

Final Drainage Report
for
Rolling Hills Ranch Filing 1
at
Meridian Ranch



EL PASO COUNTY, COLORADO

April 2020

Prepared For:

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PCD Project No. SF-19-023

CERTIFICATIONS

Design Engineer's Statement:

The attached drainage plan and report were prepared under my direction and supervision and are correct to the best of my knowledge and belief. Said drainage report has been prepared according to the criteria established by the County for drainage reports and said report is in conformity with the applicable master plan of the drainage basin. I accept responsibility for any liability caused by any negligent acts, errors or omissions on my part in preparing this report.

Thomas A. Kerby, P.E. #31429

Date

Owner/Developer's Statement:

I, the owner/developer have read and will comply with all of the requirements specified in this drainage report and plan.

Raul Guzman, Vice President
GTL Development, Inc.
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Date

El Paso County:

Filed in accordance with the requirements of the Drainage Criteria Manual, Volumes 1 & 2, El Paso County Engineering Criteria Manual and Land Development Code as amended.

Jennifer Irvine, P.E.
County Engineer / ECM Administrator

Date

Rolling Hills Ranch at Meridian Ranch PUD Final Drainage Report Report

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EXECUTIVE SUMMARY

The purpose of the following Final Drainage Report (FDR) is to present the changes to the drainage patterns as a result the Rolling Hills Ranch Filing 1 at Meridian Ranch (RHR Filing 1) development. Runoff quantities and proposed facilities have been calculated using the current City of Colorado Springs/El Paso County Drainage Criteria Manual (DCM) (1994 version) and portions of the City of Colorado Springs Drainage Criteria Manual, Volume 1 (DCM-1) ((2014 version).

This report based on the current version of the Meridian Ranch Sketch Plan amendment as adopted by the El Paso County Board of Commissioners on March 13, 2018. Hydrologic calculations follow method outlined in Chapter 6 of the 2014 version of the City of Colorado Springs Drainage Criteria Manual (COSDCM) as adopted by the El Paso County Board of County Commissioners by Resolution 15-042. Chapter 6 addresses the hydrologic calculation methods and includes an updated hydrograph to be used with storm drainage runoff. The Board adopted by the same resolution, Section 3.2.1 of Chapter 13 of the COSDCM referencing Full Spectrum Detention; the concept “provides better control of the full range of runoff rates that pass through detention facilities than the convention multi-stage concept. This section of the COSDCM identifies the necessity to provide full spectrum detention but does not prescribe a methodology to reach such the detention requirements. This report includes hydrologic models from HEC-HMS for the historic, interim and future conditions for the 2-yr, 5-yr, 10-yr, 25-yr, 50-yr, and 100-yr design storm frequencies. The interim and the future conditions include detention facilities sized and modeled such that *“frequent and infrequent inflows are released at rates approximating undeveloped conditions”*

RHR Filing 1 encompasses 95.2± acres and is located in Sections 20 and 29, Township 12 South, Range 64 West of the 6th Principal Meridian. It is approximately 12 miles northeast of the city of Colorado Springs, 2.5 miles north of the unincorporated town of Falcon, and immediately north of the Woodmen Hills development.

Rolling Hills Ranch is located within Gieck Ranch Drainage Basin. The Gieck Ranch Basin has been studied but has not received final approval from El Paso County. The developer has agreed to meet the requirements of the studied Gieck Ranch Basin but as yet to be approved Drainage Basin Study.

Based on the aforementioned design parameters the development of the project will not adversely affect downstream properties.

INTRODUCTION

Purpose

The purpose of the following Final Drainage Report Report (FDR) is to present proposed changes to the drainage patterns as a result of the development of RHR Filing 1. The report outlines the proposed drainage mitigation based on calculated developed flows in excess of allowable exiting runoff discharge.

Scope

The scope of this report includes:

- Location and description of the proposed development stating the proposed land use, density, acreage and adjacent features to the site.
- Calculations for design peak flows from all off-site tributary drainage areas.
- Calculations for design peak flows within the proposed project area for all drainage areas.
- Discussion of major drainage facilities required as a result of the development.
- Discussion and analysis of existing and proposed facilities.

Runoff quantities and proposed facilities have been calculated using the current City of Colorado Springs/El Paso County Drainage Criteria Manual (DCM) (1994 version) and those portions of the City of Colorado Springs Drainage Criteria Manual, Volume 1 (DCM-1) ((2014 version) adopted by Resolution 15-042 of the El Paso County Board of County Commissioners.

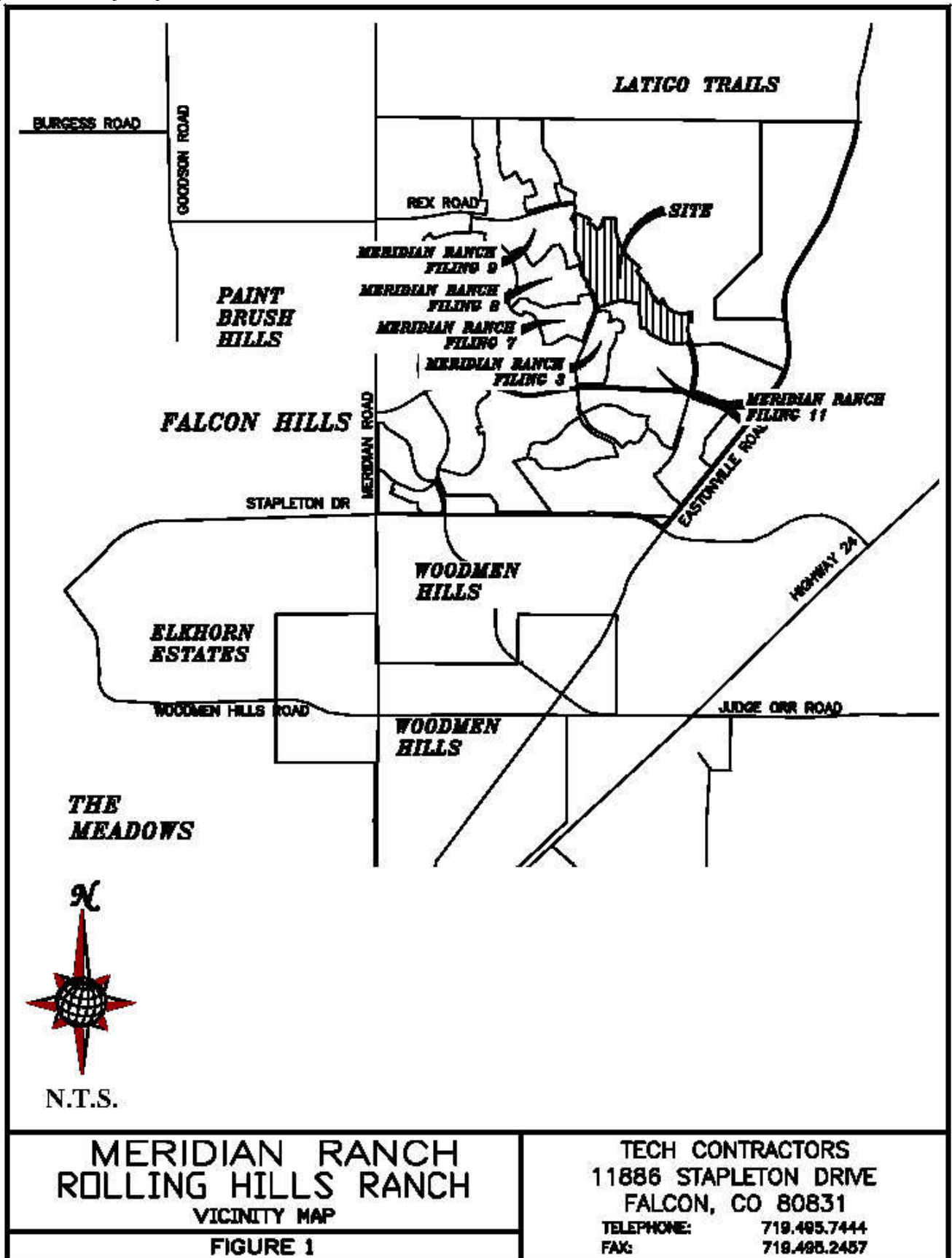
Background

On November 16, 2000 the El Paso County Board of County Commissioners approved the rezoning of the Meridian Ranch project (PUD-00-010) from A-35 to PUD with several conditions. Condition number seven stated in part that “drainage plans shall release and/or retain at approximately eight percent (80%) of historic rates.” At the time of the initial approvals there were no drainage improvements downstream of the Meridian Ranch project and the existing natural channels were shallow and undefined.

The Sketch Plan Amendment (SKP-17-001) was processed and approved in 2018 by the El Paso County Board of County Commissioners by resolution 18-104 for Meridian Ranch. The resolution eliminated the required restriction of 80% of historic peak flow rates mentioned above. The detention pond proposed with this project will release at historic or less peak flow rates as per the current El Paso County stormwater requirements.

No development has occurred downstream of this project except for portions of the Falcon Regional Park providing ballparks and associated parking. The Meridian Ranch MDDP and this report indicate the Eastonville Road culvert crossing located downstream of this project does not provide enough capacity for the historic flow rates. It is anticipated that this culvert will be upgraded at the time of the Eastonville Road construction.

Figure 1: Vicinity Map



EXISTING CONDITIONS

General Location

RHR Filing 1 project encompasses 95.2± acres and is located in Sections 20 and 29, Township 12 South, Range 64 West of the 6th Principal Meridian. It is approximately 12 miles northeast of the city of Colorado Springs, 2.5 miles north of the unincorporated town of Falcon, and immediately north of the Woodmen Hills development.

Land Use

Historically, ranching dominated the area surrounding Meridian Ranch; however, currently urbanization has occurred in the general vicinity. Most notably, urbanization is occurring to the north with Latigo Trails, to the south in the Woodmen Hills Subdivision, to the east in Four Way Ranch, to the west in the Falcon Hills subdivision, and to the northwest in the Paint Brush Hills subdivision.

Climate

Mild summers and winter, light precipitation; high evaporation and moderately high wind velocities characterize the climate of the study area. The average annual monthly temperature is 48.4 F with an average monthly low of 30.3 F in the winter and an average monthly high of 68.1 F in the summer. Two years in ten will have maximum temperature higher than 98 F and a minimum temperature lower than -16 F. Precipitation averages 15.73" annually, with 80% of this occurring during the months of April through September. The average annual Class A pan evaporation is 45 inches. (Soil Survey of El Paso County Area, Colorado).

Topography and Floodplains

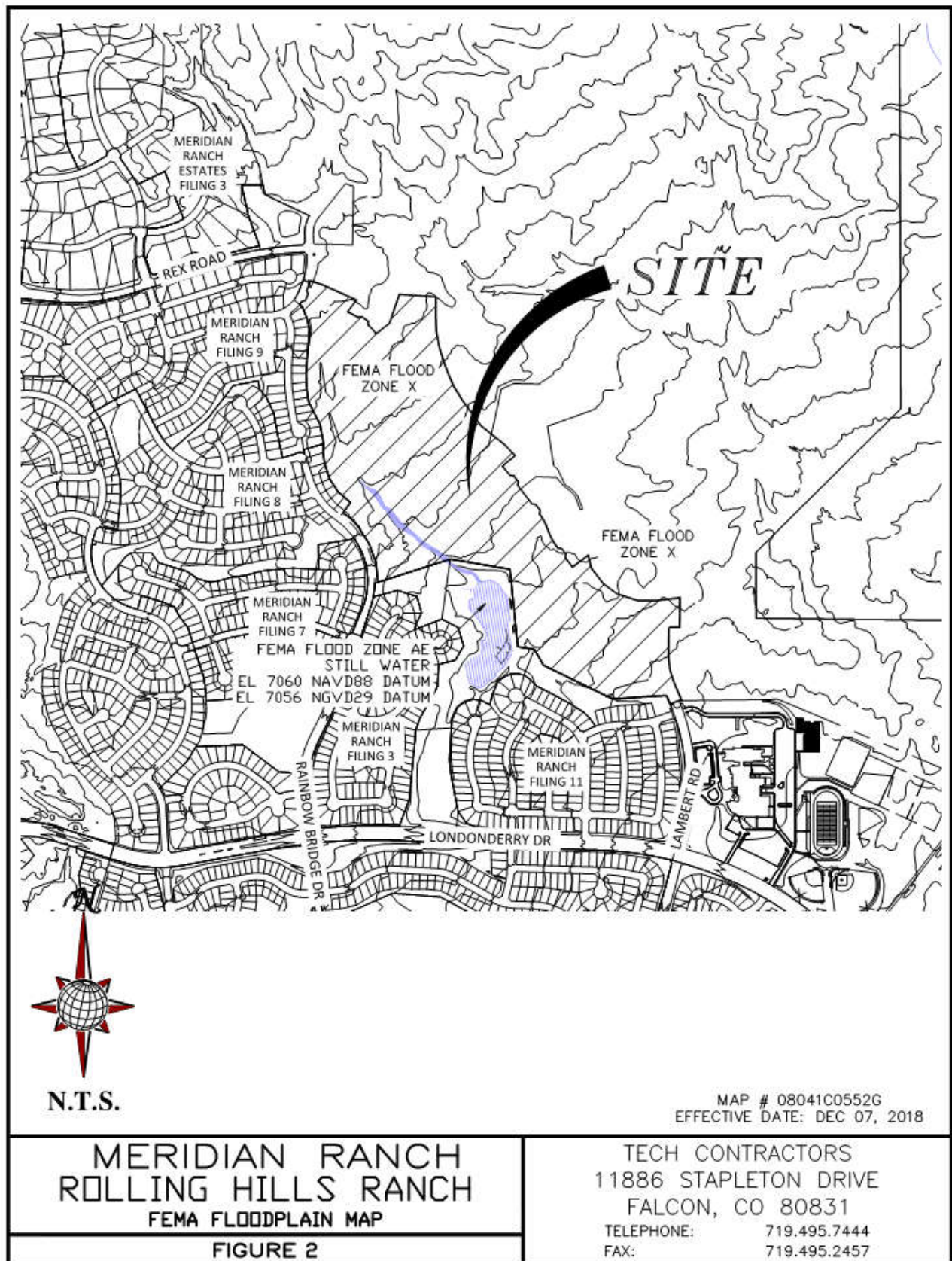
The topography of the site is typical of a high desert, short prairie grass with relatively flat slopes generally ranging from 2% to 4%. The project site drains generally from the northwest to southeast and is tributary to the Black Squirrel Creek.

The Flood Insurance Rate Maps (FIRM No. 08041C0552G, dated 12/07/2018) indicates there is a portion of the project located within a designated floodplain. Please see Figure 2: Rolling Hills Ranch PUD Federal Emergency Management Agency (FEMA) Floodplain Map.

The designated floodplain is located within a drainage open space identified as Tract C. The floodplain is identified as a Zone AE with an elevation of 7060 based on the NAVD88 Datum. The topography is based on the NGVD29 Datum, therefore an adjustment of 3.9-ft. to the base flood elevation shown in the map is required. The net result is a base flood elevation of 7056 for this location.

RHR Filing 1

Figure 2: FEMA Floodplain Map



Geology

The National Resources Conservation Service (NRCS) soil survey records indicate that the service area is predominately covered by soils classified in the Columbine (2 ac.) and Stapleton series (93 ac.). These series are categorized in the Hydrological Soil Groups A & B.

The Columbine (19) gravelly sandy loam is a deep, well-drained to excessively drained soil formed in coarse textured material on alluvial terraces, fans and flood plains. Permeability of this soil is very rapid. Available water capacity is low to moderate, surface runoff is slow, and the hazard of erosion is slight to moderate. The Columbine series is categorized as a Hydrological Soil Group A.

This soil is used mainly for grazing livestock, for wildlife habitat and for home sites. The main limitation of this soil for urban development is a hazard of flooding in some areas. The Stapleton (83) sandy loam is a deep, non-calcareous, well-drained soil formed in alluvium derived from arkosic bedrock on uplands. Permeability of this soil is rapid. Available water capacity is moderate, surface runoff is slow, and the hazard of erosion and soil blowing is moderate. The Stapleton series is categorized as a Hydrological Soil Group B.

This soil is suited to habitat for open land and rangeland wildlife. The main limitation of this soil for urban development is frost-action potential.

Typically, these soils are well-drained, gravelly sandy loams that form on alluvial terraces and fans and exhibit high permeability and low available water capacity with depth to bedrock greater than 6 feet.

Note: (#) indicates Soil Conservation Survey soil classification number. See Figure 3 RHR Filing 1 – Soils Map.

Natural Hazards Analysis

Natural hazards analysis indicates that no unusual surface or subsurface hazards are located near the vicinity. However, because the soils are cohesionless, sloughing of steep banks during drilling and/or excavation could occur. By citing improvements in a manner that provides an opportunity to lay the banks of excavations back at a 1:1 slope during construction, the problems associated with sloughing soils can be minimized.

DRAINAGE BASINS AND SUB-BASINS

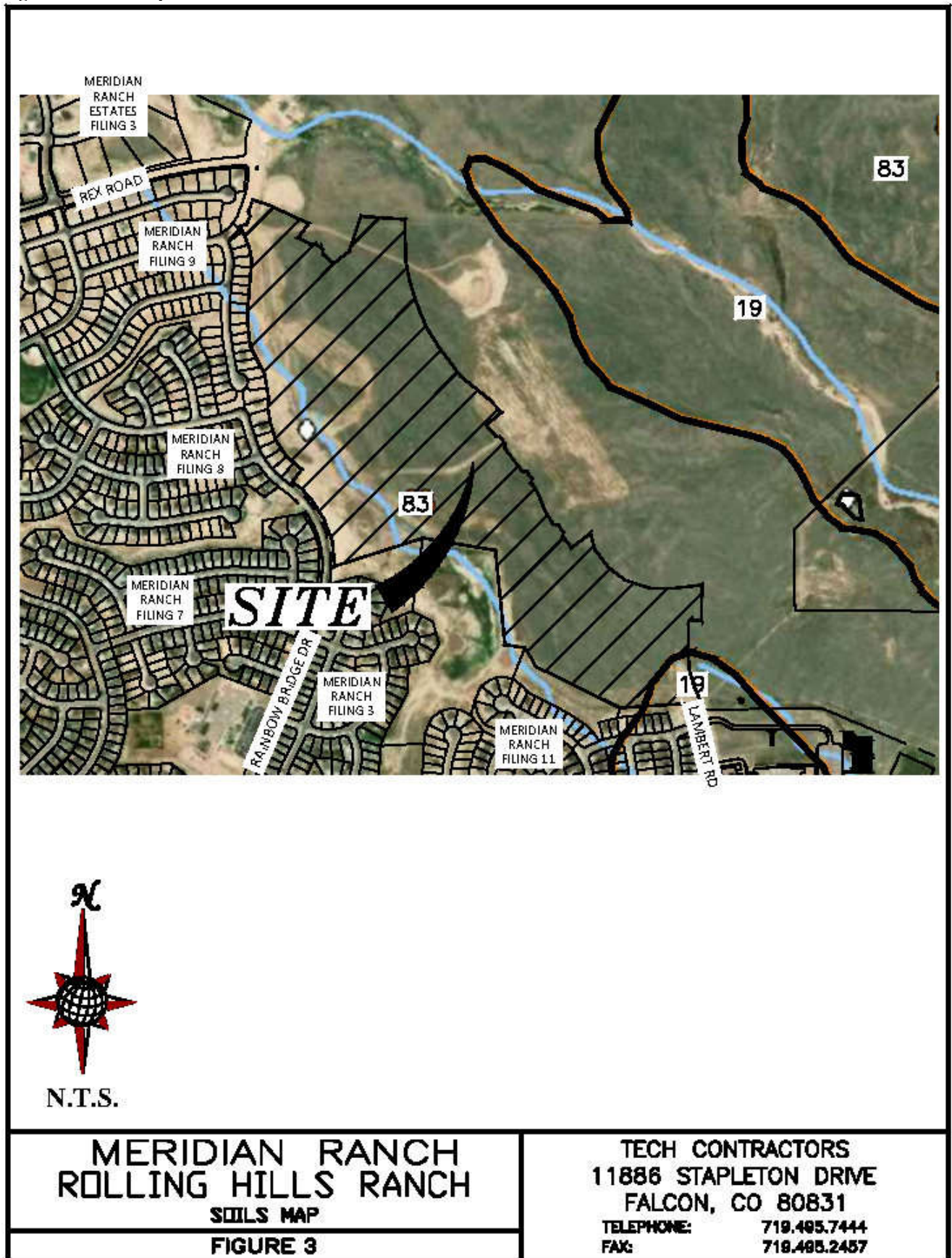
The site is near the top of the Gieck Ranch Drainage Basin and accepts flow from areas north of the project site within portions of Meridian Ranch.

Three different scenarios were analyzed for the drainage conditions for the project.

The first scenario analyzes the historic conditions for Meridian Ranch. This condition has all of Meridian Ranch in the pre-development state; where the entirety of Meridian Ranch is modeled in its undeveloped, undisturbed condition, alternatively called the historic condition.

RHR Filing 1

Figure 3: Soils Map



The second scenario is the interim conditions scenario and it consists of the current existing conditions for all tributary areas whether developed or undeveloped/historic with the addition of RHR Filing 1 in the proposed developed condition. The current existing conditions assume all approved projects tributary to Rolling Hills Ranch Filing 1 are at full buildout. This condition was analyzed to ensure the full spectrum of historic flow rates exiting the Meridian Ranch development are maintained after the development of RHR Filing 1 is completed.

The interim scenario was analyzed to ensure that the historic flow rates at the outlets of the existing Pond E (Design Points H08 & H09) located along Eastonville Road were maintained. The development flow of Rolling Hills Ranch Filing 1 is located within areas tributary to Ponds D & E.

The final scenario analyzes the future build out conditions for the entirety of Meridian Ranch to ensure the storm drain facilities located at the discharge points of the project are able to properly convey the full spectrum of historic peak flow rates as the storm drainage exits the Meridian Ranch project along Eastonville Road and/or the Falcon Regional Park.

DRAINAGE DESIGN CRITERIA

SCS Hydrograph Procedure

The US Army Corp of Engineers HEC-HMS computer program was used to model the Soil Conservation Service (SCS) Hydrograph procedure to determine final design parameters for the major drainage facilities within the project. Onsite basin areas were calculated using aerial topography of the site and approved final design data. Times of concentration were estimated using the SCS procedures described in the DCM. Based upon the hydrologic soil type, the natural conditions found in the basins and the runoff curve numbers (CN) chart from Table 6-10 of the City of Colorado Springs DCM for Antecedent Runoff Condition II (ARC II), the following CN values were used for the given conditions.

Table 1: SCS Runoff Curve Numbers

Condition	CN*		
Residential Lots (5 acre)	63	School	80
Residential Lots (2.5 acre)	66	Parks/Open Space	62
Residential Lots (1 acre)	68	Commercial	85
Residential Lots (1/2 acre)	70	Roadways	98
Residential Lots (1/3 acre)	72	Graded	67
Residential Lots (1/4 acre)	75	Golf Course	62
Residential Lots (1/5 acre)	78	Latigo Undeveloped	65
Residential Lots (1/6 acre)	80	Undeveloped	61

*Curve Numbers were interpolated and based on amount of impervious area per lot. The 24 hour storm precipitation values were selected from the NOAA Atlas 14, Volume 8, Version 2 for the Meridian Ranch location (Latitude 38.9783°, Longitude -104.5842°, Elevation 7054 ft). These numbers along with SCS information were used as input to the U.S. Army Corp of Engineers HEC-HMS computer model to determine design runoffs. See the table for all the design storm events in Appendix A. These numbers along with SCS information were used as input to the U.S. Army Corp of Engineers HEC-HMS computer model to determine design runoffs.

Full Spectrum Design

The City of Colorado Springs adopted a new Drainage Criteria Manual (DCM) in 2014 which incorporated the use of *Full Spectrum Design* for storm drainage analysis for projects located within the city limits. El Paso County adopted portions of the City's 2014 DCM by resolution in January 2015; the County resolution adopted Chapter 6 (Hydrology) and Section 3.2.1 of Chapter 13 (Full Spectrum Detention) for projects outside of the City of Colorado Springs establishing a 1 year review period to analyze the impacts of the Full Spectrum Design on the storm drainage analysis of projects. This report has incorporated the use of full spectrum in the analysis using the SCS Method to determine the size requirements for the detention pond during the interim and future conditions.

Table 2: Detention Pond Summary:

EXISTING POND D				
	PEAK INFLOW	PEAK OUTFLOW	PEAK STORAGE	PEAK ELEVATION
	CFS	CFS	AC-FT	FT
INTERIM CONDITIONS				
2-YEAR STORM	52	3.6	4.6	7053.1
5-YEAR STORM	110	11	7.1	7053.8
10-YEAR STORM	176	18	10.6	7054.6
50-YEAR STORM	402	89	19.9	7056.3
100-YEAR STORM	527	133	25.2	7057.0
FUTURE CONDITIONS				
2-YEAR STORM	52	3.7	7054.6	7053.1
5-YEAR STORM	107	11	6.9	7053.8
10-YEAR STORM	168	18	7054.6	7054.6
50-YEAR STORM	387	90	7054.6	7056.3
100-YEAR STORM	509	133	25.3	7057.0

EXISTING POND E				
	PEAK INFLOW	PEAK OUTFLOW	PEAK STORAGE	PEAK ELEVATION
	CFS	CFS	AC-FT	FT
INTERIM CONDITIONS				
2-YEAR STORM	64	5.4	9.4	6970.4
5-YEAR STORM	127	12	16.4	6971.2
10-YEAR STORM	199	25	21.5	6971.7
50-YEAR STORM	448	135	35.1	6973.0
100-YEAR STORM	589	221	40.7	6973.4
FUTURE CONDITIONS				
2-YEAR STORM	64	5.8	9.9	6970.5
5-YEAR STORM	126	14	17.2	6971.3
10-YEAR STORM	196	28	22.4	6971.8
50-YEAR STORM	432	149	36.1	6973.0
100-YEAR STORM	608	239	42.1	6973.5

The idea behind full spectrum detention is to release the developed runoff flow rates that will approximate those of the pre-developed condition. The design of existing Pond E and the outlet control structure meets or exceeds the intent and spirit of the concept.

DRAINAGE CALCULATIONS

SCS General Overview

The project is located within the Gieck Ranch Drainage Basin; storm water runoff will be conveyed across the site overland across the site along the proposed streets via curb and gutter, channels, and within existing and proposed storm drain networks to the existing detention Ponds D and E. Those portions of the site tributary the existing Detention Pond D will be discharged directly into the pond via proposed storm drain networks. For those portions of the site tributary the existing Detention Pond E; runoff will be directed along the proposed streets via curb and gutter, channels, and within the proposed storm drain network to the existing northern terminus of Lambert Road, the collected flow is then conveyed via an existing storm drain system to the pond.

The detention facilities have been adequately sized such that the developed flows detained and released will approximate the historic flow rates for the various design storm events as outlined in the El Paso County DCM and those sections of the City of Colorado Springs DCM-1 adopted by the El Paso County Board of County Commissioners. Existing facilities located downstream of the proposed development have been designed and/or constructed to accept the given release flow rates from Meridian Ranch. Those existing facilities have been reviewed sufficiently to verify the capacity to convey the storm flow rates from Meridian Ranch. See approved Meridian Ranch MDDP, dated January 2018.

The analysis shows the portion of the site tributary to existing Pond E releasing the developed peak flows below the historic flow rates for the full spectrum of design storms using the newly adopted unit hydrograph from the City DCM-1.

Figure 5: Meridian Ranch SCS Calculations – Historic Conditions Map, Figure 6: Meridian Ranch SCS Calculations – Interim Conditions Map and Figure 7: Meridian Ranch SCS Calculations – Future Conditions Map depict the historic, interim and future general drainage patterns for RHR Filing 1.

The purpose of this report is to show that the development of RHR Filing 1 will not adversely impact the existing drainage facilities adjacent to and downstream of the developed area and the existing Ponds D & E are properly sized for the anticipated future development of Rolling Hills Ranch.

SCS Calculations

Historic Drainage - SCS Calculation Method

Following is a tabulation of the surface drainage characteristics under Existing Conditions using the SCS calculation method. Please refer to Figure 5 - Meridian Ranch SCS Calculations - Historic Basin Map.

Table 3: Historic Drainage Basins – SCS

HISTORIC MDDP (Full Spectrum)							
HYDROLOGIC ELEMENT	DRAINAGE AREA (SQ. MI.)	PEAK DISCHARGE Q100 (CFS)	PEAK DISCHARGE Q50 (CFS)	PEAK DISCHARGE Q25 (CFS)	PEAK DISCHARGE Q10 (CFS)	PEAK DISCHARGE Q5 (CFS)	PEAK DISCHARGE Q2 (CFS)
OS06	0.1313	81	53	31	12	3.9	0.5
OS06-G02	0.1313	79	52	31	12	3.8	0.5
OS05	0.0578	40	26	16	5.9	1.8	0.2
OS05-G01	0.0578	38	26	16	5.7	1.8	0.2
HG01	0.0547	33	21	13	4.8	1.6	0.2
G01	0.1125	71	47	28	10	3.3	0.5
G01-G02	0.1125	70	47	27	10	3.3	0.5
HG02	0.0906	46	30	18	6.9	2.4	0.4
G02	0.3344	194	129	76	28	9.4	1.4
G02-G03	0.3344	192	127	75	28	9.3	1.4
HG03	0.1828	79	51	31	12	4.4	0.8
OS07	0.0328	25	17	11	4.6	1.7	0.3
OS07-G03	0.0328	24	17	9.9	4.4	1.7	0.3
G03	0.55	295	195	115	44	15	2.4
G03-G04	0.55	286	192	113	43	15	2.4
OS09	0.1547	92	64	41	19	8.5	2.0
OS09-G04	0.1547	91	63	41	19	8.5	2.0
HG04	0.0891	40	27	16	6.1	2.2	0.4
HG05	0.1125	50	33	19	7.6	2.7	0.5
OS08	0.0406	36	25	17	7.9	3.5	0.8
OS08-G04	0.0406	34	24	15	7.6	3.5	0.8
G04	0.9469	502	336	200	78	28	4.9
G04-G05	0.9469	496	322	193	78	28	4.9
HG06A	0.1375	50	33	20	7.8	2.9	0.5
G05	1.0844	544	355	212	86	31	5.4
G05-G06	1.0844	530	353	211	86	31	5.4
HG06B	0.1031	34	22	13	5.4	2.1	0.4
G06	1.1875	561	375	225	91	33	5.8
HG07	0.0984	47	31	18	7.1	2.4	0.4
HG07-G11	0.0984	47	31	18	7.0	2.4	0.4
HG08	0.1328	73	48	28	11	3.6	0.5
G11	0.2312	115	75	44	17	5.7	0.9
G11-G12	0.2312	114	75	44	17	5.6	0.9
HG09	0.1781	73	48	29	11	4.1	0.7
G12	0.4093	187	122	72	28	9.7	1.6
G12-H08	0.4093	183	121	71	28	9.7	1.6
HG10	0.1375	39	26	16	6.5	2.6	0.5
H08	0.5468	216	142	85	34	12	2.1
HG14	0.2297	81	53	32	13	4.8	0.9
HG13	0.0844	55	37	23	9.8	3.9	0.7
G07	0.0844	55	37	23	9.8	3.9	0.7
G07-G08	0.0844	54	37	23	9.7	3.8	0.7
G08	0.3141	119	78	48	20	7.6	1.5
HG15	0.2563	70	46	28	12	4.7	0.9
H13	0.2563	70	46	28	12	4.7	0.9
HG11	0.2047	77	51	30	12	4.5	0.8
H09	0.2047	77	51	30	12	4.5	0.8
HG12	0.1297	57	38	22	8.7	3.1	0.5
H10	0.1297	57	38	22	8.7	3.1	0.5

See approved Meridian Ranch MDDP (EPC File SKP171) dated January 2018 for complete hydrologic calculations and maps.

Interim Drainage - SCS Calculation Method

Following is a tabulation of the surface drainage characteristics for the interim conditions using the SCS calculation method. Please refer to Figure 5 - Meridian Ranch SCS Calculations – Interim Basins Map

Table 4: Interim Drainage Basins-SCS

INTERIM MDDP (Full Spectrum)							
	DRAINAGE AREA (SQ. MI.)	PEAK DISCHARGE Q100 (CFS)	PEAK DISCHARGE Q50 (CFS)	PEAK DISCHARGE Q25 (CFS)	PEAK DISCHARGE Q10 (CFS)	PEAK DISCHARGE Q5 (CFS)	PEAK DISCHARGE Q2 (CFS)
FG10A	0.0806	111	83	59	34	20.2	8.3
FG08A	0.0750	116	90	66	41	26.8	13.4
FG08A-G05	0.0750	110	86	64	41	26.5	13.1
FG08B	0.0630	86	67	49	30.9	20.1	10.2
FG08B-G05	0.0630	84	65	48	29.5	19.5	10.0
FG11	0.0625	75	59	44	28.1	18.6	9.8
FG09	0.0484	48	36	25	14.3	8.3	3.2
FG09-G05	0.0484	48	36	25	14	8.0	3.2
FG10B	0.0416	42	31	22	12	7.0	2.7
G05	0.3711	451	345	251	151.6	94.5	45.1
FG13	0.0534	34	24	15	7	4	0.9
FG12	0.0328	50	40	30	20	14	7.8
POND D IN	0.4573	527	402	292	176.2	110.1	52.4
POND D	0.4573	133	89	48	17.7	10.8	3.6
POND D-G17	0.4573	133	89	48	18	11	3.6
FG15	0.0103	15	12	9	6	4	2.1
FG15-G17A	0.0103	15	12	9	5.8	3.9	2.1
G17	0.5676	158	108.9	73.2	40.6	23.6	9.1
G17-G18	0.5676	158	108	73	40	23	8.6
FG16	0.0791	133	104	78	50	33.9	18.3
G18	0.6467	276	207	147	87	54.7	26.2
G18-POND E	0.6467	270	201	144	87	54.4	25.8
FG31	0.0922	116	92	69.5	45.4	31.0	17.2
FG30	0.0389	30	20.0	11.5	4.3	1.3	0.2
FG30-PONDHS	0.0389	28	19.0	11.3	4.2	1.2	0.2
POND HS	0.1311	112	63	40	28	19	10.0
FG17a	0.0694	101	78	57	35	23	11.7
FG17a-POND E	0.0694	99	76	56	35	22.9	11.6
FG18	0.0644	56	42	30	18	10.6	4.7
FG18-POND E	0.0644	56	42	30	17	10.6	4.6
FG19	0.0527	84	66	50	33.0	22.9	13.1
FG17c	0.0313	31	22	14	6.5	2.9	0.5
FG17b	0.0214	39	31	24	16	11	6.1
POND E IN	1.0170	589	448	325	199	127	63.7
POND E	1.0170	221	135	67.0	24.6	12.2	5.4
H08	1.0170	190	122	59	19	9	3.3
FG20	0.0109	28	23	19	15	12	8.5
H08A	1.0279	192.1	123.2	60.1	19.5	11.9	8.6
H09	0.0000	30	13	8	5	4	2.1

See approved Meridian Ranch MDDP (EPC File SKP171) dated January 2018 for complete hydrologic calculations and maps.

Future Drainage - SCS Calculation Method

Following is a tabulation of the surface drainage characteristics for the future conditions using the SCS calculation method. Please refer to Figure 6 - Meridian Ranch SCS Calculations – Future Basins Map

Table 5: Future Drainage Basins-SCS

FUTURE MDDP (Full Spectrum)							
	DRAINAGE AREA (SQ. MI.)	PEAK DISCHARGE Q100 (CFS)	PEAK DISCHARGE Q50 (CFS)	PEAK DISCHARGE Q25 (CFS)	PEAK DISCHARGE Q10 (CFS)	PEAK DISCHARGE Q5 (CFS)	PEAK DISCHARGE Q2 (CFS)
OS06	0.1313	80	52	30	12	3.8	0.5
G1a	0.1313	80	52	30	12	3.8	0.5
G1a-G2	0.1313	79	52	30	11	3.6	0.5
OS05	0.0578	39	26	15	5.6	1.8	0.2
OS05-G1	0.0578	39	25	15	5.5	1.7	0.2
FG01	0.0538	31	22	14	7.0	3.4	0.9
FG01-G1	0.0538	31	22	14	7.0	3.4	0.9
G1	0.1116	61	41	25	11	4.9	1.1
G1-G2	0.1116	61	41	25	11	4.8	1.1
FG02	0.0391	32	22	14	6.4	2.7	0.5
G2	0.2820	167	112	67	27	10	1.9
G2-G3	0.2820	163	109	66	27	10	1.9
FG03	0.0203	24	17	12	5.9	0.8	0.8
FG04	0.0172	22	16	11	5.8	3.1	0.9
G3	0.3195	185	123	74	31	11	2.4
G3-POND F	0.3195	183	121	74	31	11	2.4
FG06	0.0675	56	40	26	12	5.8	1.3
FG05	0.0580	45	33	23	12	6.7	2.4
OS07a	0.0170	14	9.2	5.7	2.5	0.9	0.1
OS07a-POND F	0.0170	13	9.0	5.7	2.4	0.9	0.1
POND F IN	0.4620	293	200	123	54	22	5.0
POND F	0.4620	179	125	63	17	8.2	2.3
POND F-G7	0.4620	179	123	63	17	8.2	2.3
FG21b	0.0170	26	20	16	10.2	7.0	4.0
FG21a	0.0072	6.1	4.1	2.4	0.9	0.3	0.0
FG21a-G7	0.0072	5.8	3.4	2.2	0.8	0.3	0.0
G7	0.4862	188	129	66	18	8.9	4.0
G7-G8	0.4862	188	129	66	18	8.9	3.8
FG22	0.1380	102	73	47	24	12	3.3
OS08	0.0406	35	25	16	7.7	3.4	0.7
OS08-G8	0.0406	34	24	15	7.5	3.4	0.7
FG23a	0.0216	21	15	10	5.2	2.7	0.8
OS07b	0.0156	15	10	6.2	2.6	1.0	0.1
OS07b-G7	0.0156	14	9.7	6.0	2.4	0.9	0.1
G8	0.7020	296	191	96	47	25	7.8
G8-G10	0.7020	293	190	95	47	24	7.8
OS09	0.1527	90	62	39	18	8.2	1.9
OS09-G10	0.1527	88	62	39	18	8.2	1.9
FG24	0.1373	105	76	50	26	13	4.0
G9	0.2900	180	125	81	38	17	4.4
G9-G10	0.2900	178	125	79	37	17	4.4
FG23b	0.0286	23	16	10	4.6	2.0	0.4
G10	1.0206	483	311	175	80	39	12
G10-G11	1.0206	479	309	174	79	39	12
FG23c	0.0122	12	8.7	5.7	3.0	1.5	0.4
G11	1.0328	484	312	176	81	40	12
FG25	0.1086	85	64	46	27	17	7.5
FG26	0.0863	78	58	40	22	12	4.6
FG26-POND G	0.0863	77	57	39	22	12	4.5
FG27	0.0500	52	40	29	17	11	5.0
FG28	0.0245	18	13	8.5	4.1	2.0	0.5

FUTURE MDDP (Full Spectrum)							
	DRAINAGE AREA (SQ. MI.)	PEAK DISCHARGE Q100 (CFS)	PEAK DISCHARGE Q50 (CFS)	PEAK DISCHARGE Q25 (CFS)	PEAK DISCHARGE Q10 (CFS)	PEAK DISCHARGE Q5 (CFS)	PEAK DISCHARGE Q2 (CFS)
POND G IN	1.3022	690	457	287	145	79	28
POND G	1.3022	476	328	170	54	21	5.2
G12	1.3022	476	328	170	54	21	5.2
G12-G06	1.3022	476	325	170	54	21	5.2
FG29	0.0997	60	39	23	8.7	2.8	0.4
FG32	0.0402	72	57	44	29	20	11
FG32-G06	0.0402	69	54	41	27	18	11
G06	1.4421	503	344	180	59	23	11
FG08A	0.0750	116	90	66	41	27	13.4
FG08A-G05	0.0750	110	86	64	41	27	13
FG08B	0.0630	86	67	49	31	20	10
FG08B-G05	0.0630	84	65	48	29	19	10
FG09	0.0484	48	36	25	14	8	3
FG09-G05	0.0484	48	36	25	14	8	3.2
FG10B	0.0416	42	31	22	12	7.0	2.7
G05	0.2280	282	215	156	94	58.8	28.7
FG10A	0.0806	81	61	43	25	15.0	6.5
FG11	0.0625	75	59	44	28	19	10
FG13	0.0534	34	24	15	7.5	3.6	0.9
FG12	0.0328	50	40	30	20	14	7.8
POND D IN	0.4573	509	387	280	168	107	52
POND D	0.4573	133	90	49	18	11	3.7
POND D-G17	0.4573	133	90	49	18	11	3.7
FG15	0.0103	15	12	9.0	5.8	3.9	2.1
FG15-G17A	0.0103	15	12	9.0	5.8	3.9	2.1
G17A	0.4676	136	91	50	18	11	3.8
FG14	0.1000	98	74	53	32	20	9.2
G17	0.5676	195	129	75	41	25	12
G17-G18	0.5676	194	128	74	41	25	12
FG16	0.0791	133	104	78	50	34	18
G18	0.6467	238	178	127	78	50	25
G18-POND E	0.6467	238	176	126	77	49	25
FG31	0.0922	116	92	69	45	31	17
FG30	0.0389	73	57	44	29	20	11
FG30-PONDHS	0.0389	70	56	42	27	18	11
POND HS	0.1311	153	106	53	36	26	15
FG17a	0.0694	101	78	57	35	23	12
FG17a-POND E	0.0694	99	76	56	35	23	12
FG18	0.0644	56	42	30	18	11	4.7
FG18-POND E	0.0644	56	42	30	17	11	4.6
FG19	0.0527	84	66	50	33	23	13
FG17c	0.0313	31	22	14	6.5	2.9	0.5
FG17b	0.0214	39	31	24	16	11	6.1
POND E IN	1.0170	608	432	317	196	126	64
POND E	1.0170	239	149	77	28	14	5.8
H08	1.0170	203	134	69	22	10	3.5
H09	0.0000	36	15	8.0	5.7	3.8	2.3
FG34	0.0600	34	23	13	5.5	2.0	0.3
G14	0.0600	34	23	13	5.5	2.0	0.3
G14-G15	0.0600	34	22	13	5.4	2.0	0.3
FG35	0.0344	20	13	8.3	3.5	1.5	0.3
G15	0.0944	53	36	21	8.7	3.3	0.6
G15-G08	0.0944	52	35	21	8.7	3.3	0.6
FG37	0.0797	41	27	16	6.0	2.0	0.3
FG36	0.0281	14	9.4	5.5	2.1	0.7	0.1
FG36-G08	0.0281	14	9.3	5.4	2.1	0.7	0.1
G08	0.2022	106	69	41	16	5.8	1.0

See approved Meridian Ranch MDDP (EPC File SKP171) dated January 2018 for complete hydrologic calculations and maps.

Rational Calculations

The Rational Hydrologic Calculation Method was used to estimate the total runoff from the 5-year and the 100-year design storm and thus establish the storm drainage system design. Using the rational calculation methodology outlined in the Hydrology Section (Ch 6) of the COSDCM coupled with the El Paso County EPCDCM an effective storm drainage design for RHR Filing 1 has been designed. The storm drainage facilities have been designed such that the minor storm will be captured by the inlets and conveyed by the storm drain pipes such that the street flow does not overtop the curbs. The storm drainage facility has been designed such that the major storm will be captured by the inlets and conveyed by the storm drain pipes such that the street flow does not exceed the right-of-way widths for residential streets and the hydraulic grade line will be less than one foot below the surface.

The site is located within the Gieck Ranch Drainage Basin; the project will discharge the collected surface flow from the project into existing downstream facilities properly sized to safely convey the storm water flows away from the project without damaging adjacent property.

Rational hydrologic and hydraulic calculations were performed for the project. The storm drain runoff will be collected by a series of inlets and storm drain pipe then conveyed through the project and discharged either into an existing storm drain system located within Lambert Road discharged into the existing Pond E or directly into existing Pond D.

Rational Narrative

The following is a detailed narrative of the storm drainage system located in RHR Filing 1. The description is organized by system beginning on the west in the Bennett Ranch portion of Rolling Hills Ranch and ending on the east side of the project in the Gieck Ranch Basin.

Storm Drain System B

Storm Drainage System B meets the requirements of as found in the El Paso County Engineering Criteria Manual I.7.1.C.5. (ECM) for storm water quality and discharge into Waters of the State. The discharge point is located upstream of a Regional Detention Facility with WQCV incorporated into the design and construction. At least 20 percent of the upstream imperviousness within the catchment must be disconnected from the storm drainage system and drain through a pervious area that makes up at least 10 percent of the disconnected impervious area. The rooftops within this catchment make up more than 20 percent of the total impervious area of the catchment and is discharged via roof downspouts and drains across the front yard pervious areas equaling more than 10 percent of the rooftop area. Please see Appendix F for information and exhibits.

- Basin B01 (2.3 acres, $Q_5 = 2.2$ CFS, $Q_{100} = 6.4$ CFS) contains lots in Rolling Hills Ranch 1 along east side of Rolling Peaks Dr. The surface runoff will sheet flow off of the residential lots and directed to the street then to a 10' Type R forced sump inlet located at I04. All of the flow is captured by this inlet and conveyed downstream via a 18" RCP to Inlet 05.

- Basin B02 (5.6 acres, $Q_5 = 5.2$ CFS, $Q_{100} = 15$ CFS) contains lots in Rolling Hills Ranch 1 along west side of Rolling Peaks Dr. The surface runoff will sheet flow off of the residential lots and directed to the street then to a 15' Type R forced sump inlet located at I05. All of the 5-year storm flow is captured by this inlet ($Q_5 = 5.2$ CFS) and most of the 100-yr storm flow is captured ($Q_{100} = 14$ CFS) with the remaining flow ($Q_{100} = 1.8$ CFS) continuing downstream to Inlet 14. The captured flow is conveyed downstream via a 24" RCP to Storm Manhole 02 then to Storm Manhole 03.
- The total pipe flow conveyed to Storm Manhole 03 is $Q_5 = 7.3$ CFS, $Q_{100} = 20$ CFS.
- Basin B03 (4.3 acres, $Q_5 = 4.2$ CFS, $Q_{100} = 12$ CFS) contains lots along Rolling Mesa Dr, Evening Creek Dr and Monument Vista Ln in Rolling Hills Ranch 1 and 3. The surface runoff will sheet flow off of the residential lots and be conveyed Design Point 1 (DP01) at the intersection of Rolling Mesa Dr and Evening Creek Dr. The crosses the intersection via a crossspan then continues along Rolling Mesa Dr through Basin B04 to inlet I06.
- Basin B04 (3.0 acres, $Q_5 = 2.9$ CFS, $Q_{100} = 8.5$ CFS) contains lots along the east side of Rolling Mesa Dr. The surface runoff will sheet flow off of the residential lots and directed to the street then to a 20' Type R forced sump inlet located at I06 where it combines with the surface runoff from DP01. All of the 5-year storm flow is captured by this inlet ($Q_5 = 6.2$ CFS) and most of the 100-yr storm flow is captured ($Q_{100} = 17$ CFS) with the remaining flow ($Q_{100} = 1.2$ CFS) continuing downstream to Inlet 10. The captured flow is conveyed downstream via an 18" RCP to Storm Manhole 03 where it is combined with flow from MH02 then conveyed to Storm Manhole 04.
- The total pipe flow conveyed from MH03 to Storm Manhole 04 via a 30" RCP is $Q_5 = 13$ CFS, $Q_{100} = 36$ CFS.
- Basin B05 (3.2 acres, $Q_5 = 3.1$ CFS, $Q_{100} = 9.1$ CFS) contains lots in Rolling Hills Ranch 1 along the west side of Rolling Mesa Dr. The surface runoff will sheet flow off of the residential lots and directed to the street then to a 10' Type R forced sump inlet located at I07. All of the flow is captured by this inlet and conveyed downstream via an 18" RCP to Storm Manhole 04.
- The total pipe flow conveyed from MH04 to Storm Manhole 05 via a 36" RCP is $Q_5 = 16$ CFS, $Q_{100} = 44$ CFS.
- Basin B06 (3.1 acres, $Q_5 = 3.3$ CFS, $Q_{100} = 9.9$ CFS) contains lots in Rolling Hills Ranch 1 along the east side of Evening Creek Dr. The surface runoff will sheet flow off of the residential lots and directed to the street then to a 10' Type R forced sump inlet located at I08. Most of the flow is captured by this inlet ($Q_5 = 3.7$ CFS, $Q_{100} = 9.2$ CFS) with the remaining ($Q_5 = 0.5$ CFS, $Q_{100} = 3.4$ CFS) continuing downstream to Inlet 12. The captured flow is conveyed downstream via an 18" RCP to Storm Manhole 05.

- The total pipe flow conveyed from MH05 to Storm Manhole 06 via a 36" RCP is $Q_5 = 18$ CFS, $Q_{100} = 51$ CFS.
- Basin B07 (4.8 acres, $Q_5 = 4.3$ CFS, $Q_{100} = 13$ CFS) contains lots in Rolling Hills Ranch 1 along the west side of Evening Creek Dr. The surface runoff will sheet flow off of the residential lots and directed to the street then to a 20' Type R flow-by inlet located at I09. All of the flow is captured by this inlet and conveyed downstream via an 18" RCP to Storm Manhole 06.
- The total pipe flow conveyed from MH06 to Storm Manhole 07, then to MH10 via a 36" RCP is $Q_5 = 22$ CFS, $Q_{100} = 59$ CFS.
- Basin B08 (2.5 acres, $Q_5 = 2.5$ CFS, $Q_{100} = 7.3$ CFS) contains lots in Rolling Hills Ranch 1 along east side of Rolling Mesa Dr. The surface runoff will sheet flow off of the residential lots and directed to the street then to a 10' Type R forced sump inlet located at I10. 100-year flow-by from inlet I06 contributes minor flows to inlet I10 for a total 100-year flow of 7.6 CFS. All of the flow is captured by this inlet and conveyed downstream via an 18" RCP to Storm Manholes 08 & 09.
- Basin B09 (2.7 acres, $Q_5 = 2.6$ CFS, $Q_{100} = 7.7$ CFS) contains lots in Rolling Hills Ranch 1 along south side of Parkland Dr. The surface runoff will sheet flow off of the residential lots and directed to the street then to a 10' Type R sump inlet located at I11. All of the flow is captured by this inlet and conveyed downstream via an 18" RCP to Storm Manhole 09.
- Basin B10 (3.3 acres, $Q_5 = 3.1$ CFS, $Q_{100} = 9.2$ CFS) contains lots in Rolling Hills Ranch 1 along west side of Rolling Mesa Dr. The surface runoff will sheet flow off of the residential lots and directed to the street then to a 20' Type R sump inlet located at I12 where it is combined with the surface flow from Basin B11. All of the flow is captured by this inlet and conveyed downstream via an 18" RCP to Storm Manhole 09.
- Basin B11 (3.1 acres, $Q_5 = 2.9$ CFS, $Q_{100} = 8.6$ CFS) contains lots in Rolling Hills Ranch 1 along east side of Evening Creek Dr. The surface runoff will sheet flow off of the residential lots and directed to the street then to a 20' Type R sump inlet located at I12 where it is combined with the surface flow from Basin B10 and flow-by from B07. All of the flow ($Q_5 = 5.4$ CFS, $Q_{100} = 18$ CFS) is captured by this inlet and conveyed downstream via an 18" RCP to Storm Manhole 09.
- The total pipe flow conveyed to Storm Manhole 09 is $Q_5 = 10$ CFS, $Q_{100} = 31$ CFS and is conveyed to Manhole 10 via a 24" RCP. At manhole 10, the flow will combine with the flow from Storm Manhole 07 for a total flow of 30 CFS for the 5-year event and 85 CFS for the 100-year event. The pipe will discharge via a 42" RCP upstream of existing Pond D constructed in 2012 with Meridian Ranch Filing 3.

Storm Drain System C

Storm Drainage System C meets the requirements of as found in the El Paso County Engineering Criteria Manual I.7.1.C.5. (ECM) for storm water quality and discharge. This catchment discharges the collected stormwater directly into a Regional Detention Facility with WQCV incorporated into the design and construction. Please see Appendix F for information and exhibits.

- Basin C01 (3.2 acres, $Q_5 = 3.1$ CFS, $Q_{100} = 9.0$ CFS) contains lots in Rolling Hills Ranch 1 along east side of Rolling Peaks Dr. The surface runoff will sheet flow off of the residential lots and directed to the street then to a 10' Type R forced sump inlet located at I13. All of the flow is captured by this inlet and conveyed downstream via an 18" RCP to Storm Manhole 11.
- Basin C02 (3.5 acres, $Q_5 = 3.4$ CFS, $Q_{100} = 10$ CFS) contains lots in Rolling Hills Ranch 1 along west side of Rolling Peaks Dr. The surface runoff will sheet flow off of the residential lots and directed to the street then to a 15' Type R forced sump inlet located at I14. All of the flow is captured by this inlet and conveyed downstream via an 18" RCP to Storm Manhole 11.
- The total pipe flow conveyed from MH11 to Storm Manhole 12 via a 24" RCP is $Q_5 = 6.0$ CFS, $Q_{100} = 18$ CFS.
- Basin C03 (1.3 acres, $Q_5 = 1.4$ CFS, $Q_{100} = 4.0$ CFS) contains lots along Rolling Peaks Dr, Parkland Dr and Crooked Hill Dr in Rolling Hills Ranch 1 and 2. The surface runoff will sheet flow off of the residential lots and be conveyed to a 5' Type R forced sump inlet located at I15. All of the flow is captured by this inlet and conveyed downstream via an 18" RCP to Storm Manhole 12.
- Basin C04 (3.1 acres, $Q_5 = 3.2$ CFS, $Q_{100} = 9.4$ CFS) contains lots along Rolling Peaks Dr, Parkland Dr and Crooked Hill Dr in Rolling Hills Ranch 1. The surface runoff will sheet flow off of the residential lots and be conveyed to a 5' Type R forced sump inlet located at I16. All of the 5-year storm flow is captured by this inlet ($Q_5 = 3.2$ CFS) and most of the 100-yr storm flow is captured ($Q_{100} = 6.3$ CFS) with the remaining flow ($Q_{100} = 3.1$ CFS) continuing downstream to Inlet 18. The captured flow is conveyed downstream via an 18" RCP to Storm Manhole 12.
- The total pipe flow conveyed from MH12 to Storm Manhole 13 via a 30" RCP is $Q_5 = 9.5$ CFS, $Q_{100} = 26$ CFS.
- Basin C05 (0.6 acres, $Q_5 = 0.6$ CFS, $Q_{100} = 1.8$ CFS) contains lots along Rolling Peaks Dr and Crooked Hill Dr in Rolling Hills Ranch 2. The surface runoff will sheet flow off of the residential lots and be conveyed to a 5' Type R sump inlet located at I17. All of the flow is captured by this inlet and conveyed downstream via an 18" RCP to Storm Manhole 13.

- Basin C06 (1.0 acres, $Q_5 = 1.0$ CFS, $Q_{100} = 3.1$ CFS) contains lots along Rolling Peaks Dr Crooked Hill Dr in Rolling Hills Ranch 1. The surface runoff will sheet flow off of the residential lots, combine with flow-by ($Q_{100} = 3.1$ CFS) from inlet I16 and be conveyed to a 5' Type R sump inlet located at I18. All of the flow ($Q_5 = 1.0$ CFS, $Q_{100} = 6.0$ CFS) is captured by this inlet and conveyed downstream via an 18" RCP to Storm Manhole 13.
- The total pipe flow conveyed from MH13 to Storm Manhole 14 via a 36" RCP is $Q_5 = 11$ CFS, $Q_{100} = 32$ CFS.
- Basin C07 (0.9 acres, $Q_5 = 0.9$ CFS, $Q_{100} = 2.5$ CFS) contains runoff from an open space tract in Rolling Hills Ranch 3. The surface runoff will sheet flow off of the adjacent residential lots and be conveyed to a Type C grated inlet located at CB1. All of the flow is captured by this inlet and conveyed downstream via an 18" RCP to Storm Manhole 14.
- The total pipe flow conveyed to Storm Manhole 14 is $Q_5 = 11$ CFS, $Q_{100} = 34$ CFS and is conveyed to Pond D via a 31" RCP.

Storm Drain System E

Storm Drainage System E meets the requirements of as found in the El Paso County Engineering Criteria Manual I.7.1.C.5. (ECM) for storm water quality and discharge. This catchment discharges the collected stormwater directly into a Regional Detention Facility with WQCV incorporated into the design and construction. Please see Appendix F for information and exhibits.

- Basin E01 (16 acres, $Q_5 = 9.9$ CFS, $Q_{100} = 33$ CFS) contains an area within the future Rolling Hills Ranch 2 that has been overlot graded with the PUD approval. The surface runoff will sheet flow off of the future residential lots and be conveyed along the rough cut future streets to a 20' Type R sump inlet located at I37. All of the flow is captured by this inlet and conveyed downstream via an 18" RCP to Storm Manhole 30.
- Basin E03 (9.0 acres, $Q_5 = 6.0$ CFS, $Q_{100} = 20$ CFS) contains an area within the future Rolling Hills Ranch 2 that has been overlot graded with the PUD approval. The surface runoff will sheet flow off of the future residential lots and be conveyed along the rough cut future streets to a 15' Type R sump inlet located at I37. All of the flow is captured by this inlet and conveyed downstream via an 18" RCP to Storm Manhole 30.
- The total pipe flow conveyed from MH30 to Storm Manhole 31 and Storm Manhole 36 via a 36" RCP is $Q_5 = 15$ CFS, $Q_{100} = 51$ CFS.
- Basin E06 (1.3 acres, $Q_5 = 1.4$ CFS, $Q_{100} = 4.2$ CFS) contains lots along Valley Peak Dr in Rolling Hills Ranch 2. The surface runoff will sheet flow off of the residential

lots and be conveyed to a 5' Type R forced sump inlet located at I38. All of the flow is captured by this inlet and conveyed downstream via an 18" RCP to Storm Manhole 32 then to Storm Manhole 33.

- Basin E07 (2.1 acres, $Q_5 = 2.5$ CFS, $Q_{100} = 6.7$ CFS) contains lots along Rolling Peaks Dr and Valley Peak Dr in Rolling Hills Ranch 2. The surface runoff will sheet flow off of the residential lots and be conveyed to a 15' Type R flow-by inlet located at I39. Most of the flow is captured by this inlet ($Q_5 = 2.0$ CFS, $Q_{100} = 4.5$ CFS) with the remaining ($Q_5 = 0.5$ CFS, $Q_{100} = 2.2$ CFS) continuing downstream to Inlet I41. The captured flow is conveyed downstream via an 18" RCP to Storm Manhole 33.
- The total pipe flow conveyed from MH33 to Storm Manhole 34 via an 18" RCP is $Q_5 = 3.5$ CFS, $Q_{100} = 8.5$ CFS.
- Basin E08 (4.2 acres, $Q_5 = 4.8$ CFS, $Q_{100} = 13$ CFS) contains lots surrounded by Rolling Peaks Dr, Valley Peak Dr, Summer Ridge Dr and Bridge Way in Rolling Hills Ranch 2. The surface runoff will sheet flow off of the residential lots and be conveyed to a 10' Type R forced sump inlet located at I40. All of the 5-year storm flow is captured by this inlet ($Q_5 = 4.8$ CFS) and most of the 100-yr storm flow is captured ($Q_{100} = 10$ CFS) with the remaining flow ($Q_{100} = 2.8$ CFS) continuing downstream to an existing inlet located at the intersection of Park Gate Dr. with Lambert Rd. The captured flow is conveyed downstream via an 18" RCP to Storm Manhole 34.
- The total pipe flow conveyed from MH34 to Storm Manhole 35 then to Storm Manhole 36 via a 24" RCP is $Q_5 = 8.0$ CFS, $Q_{100} = 18$ CFS.
- Basin E09 (5.4 acres, $Q_5 = 6.2$ CFS, $Q_{100} = 17$ CFS) contains lots along Rolling Peaks Dr in Rolling Hills Ranch 2. The surface runoff will sheet flow off of the residential lots and be conveyed to a 15' Type R sump inlet located at I41. All of the 5-year storm flow is captured by this inlet ($Q_5 = 6.2$ CFS) and most of the 100-yr storm flow is captured ($Q_{100} = 14$ CFS) with the remaining flow ($Q_{100} = 3.9$ CFS) continuing downstream to Inlet I43. The captured flow is conveyed downstream via a 24" RCP to Storm Manhole 36.
- The total combined pipe flow from MH30, MH34 and I41 is conveyed to Storm Manhole 37 via a 42" RCP is $Q_5 = 35$ CFS, $Q_{100} = 86$ CFS.
- Basin E10 (7.0 acres, $Q_5 = 7.0$ CFS, $Q_{100} = 10$ CFS) contains lots along Summer Ridge Dr in Rolling Hills Ranch 2. The surface runoff will sheet flow off of the residential lots and be conveyed to a 20' Type R sump inlet located at I42. All of the flow is captured by this inlet and conveyed downstream via a 24" RCP to Storm Manhole 37.
- The total combined pipe flow from MH37 is conveyed to Storm Manhole 38 via a 48" RCP is $Q_5 = 41$ CFS, $Q_{100} = 102$ CFS.

- Basin E11 (13 acres, $Q_5 = 6.3$ CFS, $Q_{100} = 18$ CFS) contains runoff from an open space tract in Rolling Hills Ranch 2. The surface runoff will sheet flow off of the residential lots and be conveyed to a Type C grated inlet located at CB3. All of the flow is captured by this inlet and conveyed downstream via a 24" RCP to Storm Manhole 37.
- Basin E12 (1.6 acres, $Q_5 = 3.6$ CFS, $Q_{100} = 7.5$ CFS) contains runoff from Rolling Peaks Dr and Lambert Rd in Rolling Hills Ranch 2. The surface runoff will be collected in the curb and gutter then conveyed to a 20' Type R flow-by inlet located at I43. Most of the flow is captured by this inlet ($Q_5 = 3.2$ CFS, $Q_{100} = 7.1$ CFS) with the remaining ($Q_5 = 0.4$ CFS, $Q_{100} = 2.1$ CFS) continuing downstream to Inlet I41. The captured flow is conveyed downstream via an 18" RCP to Storm Manhole 38.
- The total combined pipe flow from MH38, I43 and CB3 is conveyed to an existing Storm Manhole EJ02 via a 54" RCP is $Q_5 = 52$ CFS, $Q_{100} = 131$ CFS.
- Basin E13 (6.0 acres, $Q_5 = 8.2$ CFS, $Q_{100} = 19$ CFS) contains runoff from Park Gate Rd, Lambert Rd. found in Meridian Ranch Filing 11A and Rolling Peaks Dr in Rolling Hills Ranch 2. The surface runoff will sheet flow off of the residential lots and be conveyed to an existing 15' Type R forced sump inlet constructed with the improvements associated with Meridian Ranch Filing 11A located at EI1. All of the 5-year storm flow is captured by this inlet ($Q_5 = 6.0$ CFS) and most of the 100-yr storm flow is captured ($Q_{100} = 13$ CFS) with the remaining flow ($Q_{100} = 6.5$ CFS) continuing downstream to an existing inlet located along the west side of Lambert Rd. The captured flow is conveyed downstream via an 18" RCP to existing manhole EJ01.
- The existing storm drain system at existing manhole EJ01 conveys storm flow from other parts of Meridian Ranch Filing 11A and the discharge from Pond D. The flow rates upstream of EJ01 as from the SCS model are 12 CFS for the 5-year storm and 136 CFS for the 100-year storm. The coefficient-area (CA) figure from the approved Final Drainage Report for Meridian Ranch Filing 11A and the time of concentration was adjusted to match the flow rate from the SCS Model to replicate the flow rate in the storm drain. The total flow from Meridian Ranch Filing 11A from MH EJ01 to EJ02 is 22 CFS for the 5-year storm and 140 CFS for the 100-year storm.
- The total combined storm flow at MH EJ02 from Rolling Hills, Meridian Ranch Filing 11A and the discharge from Pond D is 39 CFS for the 5-year storm and 182 CFS for the 100-year storm. The existing storm drain located within Lambert Rd was installed with the construction of the Falcon High School in 2007. The anticipated 10-year flow rate at 128 CFS and the 100-year flow rate for the storm drain was 245 CFS per the approved 2007 Londonderry-Lambert Final Drainage Report. The approved Final Drainage Report for Meridian Ranch Filing 11A shows the 5-year flow rate at 63 CFS and 212 CFS for the 100-year storm. These calculations result in buildout flow rates ($Q_5 = 39$ CFS, $Q_{100} = 182$ CFS) below the previously approved drainage reports,

therefore this development will not have any adverse impacts on the existing storm drain located in Lambert Road.

Various Rear yard discharges to Waters of the State

There are various areas along natural and manmade drainage courses that meet the requirements of as found in the El Paso County Engineering Criteria Manual I.7.1.C.5. (ECM) for storm water quality and discharge into Waters of the State. These rear yards discharge into drainage courses located upstream of a Regional Detention Facility with WQCV incorporated into the design and construction. At least 20 percent of the upstream imperviousness within the catchment must be disconnected from the storm drainage system and drain through a pervious area that makes up at least 10 percent of the disconnected impervious area. The rooftops within this catchment make up more than 20 percent of the total impervious area of the catchment and is discharged via roof downspouts and drains across the front yard pervious areas equaling more than 10 percent of the rooftop area. Please see Appendix F for information and exhibits.

DETENTION PONDS

The storm water runoff from Rolling Hills Ranch Filing 1 is ultimately discharged into existing Detention Pond D and Pond E. The two ponds were constructed prior to the passage of Senate Bill 15-212 and are exempt from providing support calculations showing drain time compliance.

Existing Pond D Detention Storage Criteria

The existing Detention Pond D is located east of Rainbow Bridge Dr., northeast of Meridian Ranch Filing 3, and was constructed as a part of the Meridian Ranch Filing 3 Improvements; the pond is owned and maintained by the Meridian Service Metropolitan District (MSMD). It has been in operation since 2012 with no reported issues. A maintenance agreement between the Meridian Service Metropolitan District and El Paso County has been recorded as a part of the Meridian Ranch Filing 3 Final Plat process.

The SCS calculation method was used to determine inflow and outflow from the detention pond to ensure the developed runoff does not overcharge the pond and the discharges do not adversely impact drainage patterns downstream. Pond D and existing Pond E work in series such that the peak flow rates from the Meridian Ranch development do not adversely affect the drainage patterns downstream of Eastonville Road. Storm drainage runoff will enter the pond from upstream development via existing pipe networks and overland from existing rear lots adjacent to the pond. The ultimate future build-out design of the tributary areas was analyzed to ensure the sizing of the pond would be adequate after development of Meridian Ranch is complete. This SCS calculation can be found in the appendix.

An analysis of the SCS calculations show the development of Rolling Hills Ranch and the discharge flow rates from Pond D do not adversely impact the downstream drainage patterns. No additional improvements or modifications are necessary to this pond as a result of the full buildout of RHR Filing 1. Table 6 provides summary data for the various design storms for the completed development for all areas tributary to Pond D including RHR Filing 1. Rolling Hills Ranch completes the development of all areas tributary to Pond E.

A water quality capture volume (WQCV) was added to the required storage volume for the final build out condition. The purpose of the WQCV is to allow particulates to settle out and accumulate over time to improve water quality and to maintain full volume for detention during the life of the facility for a major storm event. The WQCV of 1.0 ac-ft. was added to the detention of the minor storm and half (0.5 ac-ft.) was added to the detention volume of the major storm. This was accomplished with respect to the HEC-HMS computer run by providing a starting detention volume of 1.0 ft. for the 5-year storm and 0.5 ft. for the 100-year storm. The resulting storage elevations remain well below the emergency spillway elevation. See Appendix B for more information.

The WQCV was calculated by using the equations found in Volume 2, of the Drainage Criteria Manual (DCM). The release rate from the WQCV is generally very small, which helps minimize downstream impacts. Detaining the WQCV also serves to cleanse the “first flush” of runoff from the higher initial concentration of sediment and pollutants by allowing for settlement to occur. This greatly improves the quality of runoff, leaving the facility and reduces the potential for erosion. The positive impact on water quality is expected to be significant, particularly during the construction phase of the development.

Table 6: Existing Pond D Summary Data

EXISTING POND D				
	PEAK INFLOW	PEAK OUTFLOW	PEAK STORAGE	PEAK ELEVATION
	CFS	CFS	AC-FT	FT
INTERIM CONDITIONS				
2-YEAR STORM	52	3.6	4.6	7053.1
5-YEAR STORM	110	11	7.1	7053.8
10-YEAR STORM	176	18	10.6	7054.6
50-YEAR STORM	402	89	19.9	7056.3
100-YEAR STORM	527	133	25.2	7057.0
FUTURE CONDITIONS				
2-YEAR STORM	52	3.7	7054.6	7053.1
5-YEAR STORM	107	11	6.9	7053.8
10-YEAR STORM	168	18	7054.6	7054.6
50-YEAR STORM	387	90	7054.6	7056.3
100-YEAR STORM	509	133	25.3	7057.0

Existing Pond E Detention Storage Criteria

Existing Detention Pond E is located south of Londonderry and west of Eastonville and was constructed as a part of the Meridian Ranch Filing 11 Grading, the is owned and maintained by the Meridian Service Metropolitan District (MSMD). It has been in operation since 2013 with no reported issues. A maintenance agreement between the Meridian Service Metropolitan District and El Paso County has been recorded as a part of the Meridian Ranch Filing 11A Final Plat process.

The SCS calculation method was used to determine inflow and outflow from the detention pond to ensure the developed runoff does not overcharge the pond and the discharges do not adversely impact drainage patterns downstream of Eastonville Road. Storm drainage runoff will enter the pond from upstream development via existing pipe networks and overland from existing rear lots adjacent to the pond. The ultimate future build-out design of the tributary areas was analyzed to insure the sizing of the pond would be adequate after development of Meridian Ranch is complete. This SCS calculation can be found in the appendix.

An analysis of the SCS calculations show the development of Rolling Hills Ranch and the discharge flow rates from Pond E approximate those of the historic flow rates at Eastonville Road. No additional improvements or modifications are necessary to this pond as a result of the full buildout of RHR Filing 1. Table 7 provides summary data for the various design storms for the completed development for all areas tributary to Pond E including RHR Filing 1. Rolling Hills Ranch completes the development of all areas tributary to Pond E.

Table 7: Existing Pond E Summary Data

EXISTING POND E				
	PEAK INFLOW	PEAK OUTFLOW	PEAK STORAGE	PEAK ELEVATION
	CFS	CFS	AC-FT	FT
INTERIM CONDITIONS				
2-YEAR STORM	64	5.4	9.4	6970.4
5-YEAR STORM	127	12	16.4	6971.2
10-YEAR STORM	199	25	21.5	6971.7
50-YEAR STORM	448	135	35.1	6973.0
100-YEAR STORM	589	221	40.7	6973.4
FUTURE CONDITIONS				
2-YEAR STORM	64	5.8	9.9	6970.5
5-YEAR STORM	126	14	17.2	6971.3
10-YEAR STORM	196	28	22.4	6971.8
50-YEAR STORM	432	149	36.1	6973.0
100-YEAR STORM	608	239	42.1	6973.5

A water quality capture volume (WQCV) was added to the required storage volume for the final build out condition. The purpose of the WQCV is to allow particulates to settle out and accumulate over time to improve water quality and to maintain full volume for detention during the life of the facility for a major storm event. The WQCV of 1.5 ac-ft. was added to the detention of the minor storm and half (0.75 ac-ft.) was added to the detention volume of the major storm. This was accomplished with respect to the HEC-HMS computer run by providing a starting detention volume of 1.5 ft. for the 5-year storm and 0.75 ft. for the 100-year storm. The resulting storage elevations remain well below the emergency spillway elevation. See Appendix B for more information.

The WQCV was calculated by using the equations found in Volume 2, of the Drainage Criteria Manual (DCM). The release rate from the WQCV is generally very small, which

helps minimize downstream impacts. Detaining the WQCV also serves to cleanse the “first flush” of runoff from the higher initial concentration of sediment and pollutants by allowing for settlement to occur. This greatly improves the quality of runoff, leaving the facility and reduces the potential for erosion. The positive impact on water quality is expected to be significant, particularly during the construction phase of the development.

Downstream Analysis

The outlets (DP H08 & H09) for Pond E located along Eastonville Road upstream of 4-Way Ranch Filing 1 were analyzed in detail with the 2018 MDDP associated with the most recent Meridian Ranch Sketch Plan Amendment. The information can be found in Appendix D of the January 2018 Meridian Ranch MDDP. Below you will find a summary table providing release rates of flow for each Pond E outlet. See the Downstream Channel Analysis Appendix in the WindingWalk Filing 1 Final Drainage Report for a letter to the El Paso County Engineer regarding channel stability and analysis.

Table 8: Key Design Point Comparison - SCS

MERIDIAN RANCH DISCHARGE KEY DESIGN POINTS (INTERIM)						
		Q ₁₀₀ (CFS)	Q ₅₀ (CFS)	Q ₂₅ (CFS)	Q ₁₀ (CFS)	Q ₅ (CFS)
H08 - EASTONVILLE ROAD (POND E NORTH OUTLET)	Historic	216	142	85	34	12
	Interim	190	122	59	19	9
	% of Historic	88%	86%	70%	57%	72%
H09 - EASTONVILLE ROAD (POND E SOUTH OUTLET)	Historic	77	51	30	12	4.5
	Interim	30	13	7.6	5.4	3.5
	% of Historic	39%	26%	25%	44%	78%

MERIDIAN RANCH DISCHARGE KEY DESIGN POINTS (FUTURE)						
		Q ₁₀₀ (CFS)	Q ₅₀ (CFS)	Q ₂₅ (CFS)	Q ₁₀ (CFS)	Q ₅ (CFS)
H08 - EASTONVILLE ROAD (POND E NORTH OUTLET)	Historic	216	142	85	34	12
	Future	203	134	69	22	10
	% of Historic	94%	94%	81%	66%	84%
H09 - EASTONVILLE ROAD (POND E SOUTH OUTLET)	Historic	77	51	30	12	4.5
	Future	36	15	8.0	5.7	3.8
	% of Historic	46%	30%	26%	47%	85%

The developed peak flow rate for the full spectrum of design storms are calculated to be below that of the corresponding historic peak flow rates. See Table 9 for a complete comparative list of the peak flow rates for the key design points impacted by the development of Rolling Hills Ranch Filing 1.

POND F – POND G CHANNEL

Methodology and Background

The drainage way within the proposed development is best characterized as wide sandy bottom trapezoidal/parabolic channel, with some sparse amounts of vegetation along the side embankments. The drainage way conveys the storm runoff released from existing Pond F and surrounding areas easterly to the proposed Pond G. The drainage course conveys water only during runoff events. The channel will require relocation and shaping immediately downstream of Pond F as it runs along the north side of future Rex Road. The channel will remain in its natural condition between Rex Road and Pond G. A hydraulic analysis was

completed for this channel using the HEC-RAS program in order to determine the stability of the sandy bottom channel after development occurs in the surrounding area.

Due to the nature of the existing channel, efforts were made to preserve it as closely to natural conditions as an added amenity and keep the channel outside the limits of the development. The El Paso County/City of Colorado Springs (DCM) and the Mile High Flood District (MHFD) Drainage Criteria Manuals were referenced when preparing the hydraulic analysis. The DCM references the report Design Guidelines and Criteria for Channels and Hydraulic Structures on Sandy Soils by Simons, Li and Associates for design within sandy bottom channels. The Final Drainage Report for Meridian Ranch Filing 1 relied on the Simons, Li report when the drainageways within that development was analyzed, this report was also referenced while analyzing this drainageway. The drainage course located within Rolling Hills Ranch is very similar in nature to the drainageways found in Meridian Ranch Filing 1.

“A sand-bed channel generally is continually changing its position and shape as a consequence of hydraulic forces acting on its bed and banks. Natural and man-induced changes in rivers frequently set in motion responses that can be propagated for long distances. The response of a river to natural and man-induced changes often occurs in spite of attempts to control the river environment,” Simons, Li and Associates. The design of a stable channel requires the understanding of the steady-state transport of sand sized sediments. Most factors affecting alluvial stream channel geometry are stream discharge, sediment load, longitudinal slope, vegetation, type of sediment, and manmade alterations.

This natural drainage way can be defined as a ‘straight’ channel, it does not follow sinuous course. It is not braided or excessively meandering. The drainage path does have some minor meanderings but does not have multiple channels divided by bars and islands or large alternating S-shaped bends with deep scour pools.

Development will always alter the natural drainage system, such as increasing the peak flow rates, decreasing the sediment load, encroaching into the floodplain, etc. This drainage way has experienced a decreased sediment load with the construction of Pond F at the upstream end. The developed flow rates are nearly equal the historic flow rates throughout the drainageway as a result of the decreased flow rates from Pond F. There is a short section downstream of the future storm drain outlet from Future Estates at Rolling Hills Ranch Filing 2 that will result in a higher velocities and shear from historic. This section will require a rip rap lining for about 200’ to be installed at the time of the Estates Filing 2 development.

Velocity, depth flow, and shear are considered to be important factors when working within an alluvial drainage way, with velocity being the most important. As a general rule, the sediment transport increases with flow velocity to the fourth power at low discharges and larger powers at high-flow discharges. The scouring power of the water increases in proportion to a third and fifth power of the depth.

The City/County Drainage Criteria manual offers limited guidance on evaluating sandy bottom natural drainage courses for stability. Sections 4, 5 and 7 found in Chapter 8 of the

Mile High Flood District Drainage Criteria Manual (MHFD), Open Channels, provides the best guidance toward analyzing natural drainage courses. Section 4 introduces the concept of stream stability. Section 5 applies the principles from Chapter 4 such that engineered channels can emulate natural streams. Section 7 provides guidelines on using HEC-RAS to create a hydraulic model for the channel. The Mile High Flood District DCM was the primary source document used for the evaluation of this drainage way.

Manning n Values for Sandy Bottom Channel		
(from Table 8-5 MHFD)	When Assessing Velocity and Shear	When Assessing Water Surface Elevation and Water Depth
Sand or Clay		
Sand or Clay (Smooth/Regular)	0.030	0.040
Sand or Clay (Irregular)	0.035	0.070
Overbanks		
Native Grasses	0.032	0.050
Other Typical Manning n Values (from Bentley's Flow Master)		
Type L Rip-Rap	0.0590	0.0690
Type M Rip-Rap	0.0680	0.0780

Table 9 Manning's n Values

Mannings n values for evaluating the drainage course were based on Table 8-5 of the Mile High Flood District and from Bentley's Flow Master software program. The values for the channel bottom and overbanks varied depending on the type of evaluation being considered. The two types of evaluations include an assessment for channel flow depth and another for shear and velocity. Two sets analysis were conducted for both the historic model and the developed. The Historic was used to calibrate the appropriate Manning's n values under the assumption the drainage way has achieved a stable state over the years. The second evaluation included the developed flow rates to analyze the impact the development will have on the drainageway.

The MHFD DCM provides guidance on target velocity and shear stress values for natural channel in Table 8-1 found on page 8-45 of Chapter 8. This table should be used as a guide for determining the stability of a channel. Although recommendations for maximum shear and flow velocity are provided, it may be that the maximum prudent values for the hydraulic parameters shown in the table are exceeded in the 100-year event even after the recommendations are followed. The goal would be to come as close as possible for as much of the reach as possible to the maximum prudent values for the hydraulic parameters in the 100 year event.

The UDCM suggests multiple design storms be used to perform the evaluation, this report evaluated the 2-year, 10-year and 100-year storms using HEC-RAS to determine the velocities and shear stress encountered within the channel (see Appendix E for complete results).

Design and Analysis

The area between Pond F and Rex Road will require to be reshaped into a trapezoidal channel with a 20 ft bottom width and 4:1 side slopes. The proposed channel will be lined with light rip-rap ($d_{50} = 9$ in.) along the bottom and 2 ft up the side slopes.

The future Rex Road crossing is estimated to be a 10' x 4' reinforced concrete box or equivalent size. The crossing is anticipated to be designed and constructed with the Estates at Rolling Hills Ranch Filing 2 project. During the interim period, the crossing area (channel) will be lined with light rip-rap similar to the upstream channel.

The drainage course downstream of the Rex Road crossing is to remain in its natural condition. The drainage way is approximately 3-4 in depth, moderately windy, with a sandy bottom through most of it. It is very similar to the two Bennett courses located to the west in Meridian Ranch Filing 1 prior to development occurring there.

The drainage way was evaluated for maximum flow depth using the higher Manning's n values for the various design storm events. It was further evaluated for stability using lower Manning's n values for the various design storm flow rates.

See Table 9 (above) for information on the various Manning's n values used for channel analysis. The side slopes of the natural channel have significant variations and vegetation present, therefore a value of 0.032 was used to check channel stability and flow velocity and a value of 0.050 for flow depth. The Manning's n values for the bottom of the natural drainage course were set at 0.030 for the flow velocity and shear and a value of 0.040 for the depth of flow. The calculation results show the channel is stable between future Rex Road to the proposed Pond G. There is a section downstream of a future storm drain outlet from the proposed development of Estates at Rolling Hills Ranch Filing 2 that will require a rip rap blanket with that construction.

The post developed flow rates are nearly equal to or less than the historic flow rates through this section of the drainageway. The majority of the drainage course is to remain in the natural historic state, with this in mind, the hydraulic parameters for the developed flow for the various flow rates will be compared to the historic flow rates and evaluated against the guidelines established in the MHFD criteria.

Looking at the section of the drainage way that will remain in its natural sandy bottom condition, the shear stress exhibited by the storm flow remains well below the 0.6 lbs/sf benchmark suggested by the MHFD for the 10-year and 2-year storm events. The developed shear values for the 100-year event are less than historic values in all locations where the channel is to remain natural. There is a section of the channel that will require rip-rap in the future when the Estates at Rolling Hills Ranch Filing 2 is developed. The average shear values along the natural portion of the drainageway are 0.2 #/sf for the 2-year event, 0.4 #/sf for the 10-year event and 0.9 #/sf for the 100-year event.

The suggested target velocity by the MHFD is 5 fps, this velocity is achieved for the 10-year and the 2-year storm events. The velocities for the 100-year storm event in the post development condition will be less than the historic velocities, except in the area where the future Estates at Rolling Hills Ranch Filing 2 will discharge. The drainageway in this area will be protected with rip-rap along the channel bottom and roughly 3 up the side slopes for approximately 200 LF downstream from the confluence point. The average velocities along the length of the drainageway are 1.6 FPS for the 2-year event, 2.7 FPS for the 10-year event and 5.3 FPS for the 100-year event.

MHFD suggests increasing the Manning's n value when evaluating for the flow depth. This is to emulate the increased vegetative cover over time that would cause an increased flow depth. Therefore, the Manning's n values for this analysis were increased by roughly 0.010, see Table 9 above for more information.

The HEC-RAS hydraulic analysis for the 100-year shows the highest channel depth at 2.5 feet and it can be found in the engineered trapezoidal section north of Rex Road. The average depths for each of the design storms along the entire length of the channel are 0.2 feet for the 2-year event, 0.6 feet for the 10-year event and 1.6 feet for the 100-year event. The average depths for each of the design storms along the natural length of the channel only are 0.3 feet for the 2-year event, 0.6 feet for the 10-year event and 1.3 feet for the 100-year event. The maximum depth for each of the design storms along the entire length of the channel are 0.5 feet for the 2-year event, 1.0 feet for the 10-year event and 2.5 feet for the 100-year event.

Based on the analysis of the results of the hydraulic model, it appears the drainage way is stable with little potential for erosion of the sandy bottom channel and the overbanks. However, since the drainage way is a sandy bottom channel and the unpredictability of those types of channels, no model can accurately predict how the channel will behave in post development conditions, therefore careful monitoring of the channel bottom and overbanks will need to be a part of the regular maintenance schedule every few years. Placement of additional rip-rap along the overbanks may be necessary where erosion appears. If channel bottom head cutting appears, a grade control structure may need to be installed to protect the integrity of the sandy bottom natural channel section.

EROSION CONTROL DESIGN

General Concept

Historically, erosion on this property has been held to a minimum by a variety of natural features and agricultural practices including:

- Substantial prairie grass growth
- Construction of drainage arresting berms
- Construction of multiple stock ponds along drainage courses

Existing temporary sediment ponds will also help to minimize erosion by reducing both the volume and velocity of the peak runoff.

During construction, best management practices (BMP) for erosion control will be employed based on El Paso county Criteria. BMP's will be utilized as deemed necessary by the contractor and/or engineer and are not limited to the measures shown on the construction drawing set. The contractor shall minimize the amount of area disturbed during all construction activities.

In general the following shall be applied in developing the sequence of major activities:

- Install down-slope and side-slope perimeter BMP's before the land disturbing activity occurs.
- Do not disturb an area until it is necessary for the construction activity to proceed
- Cover or stabilize as soon as possible.
- Time the construction activities to reduce the impacts from seasonal climatic changes or weather events.
- The construction of filtration BMP's should wait until the end of the construction project when upstream drainage areas have been stabilized.
- Do not remove the temporary perimeter controls until after all upstream areas are stabilized.

Four Step Process

The following four step process is recommended for selecting structural BMP's in developing urban areas:

Step 1: Employ Runoff Reduction Practices

This development incorporates wider rights-of-way than other developments, thus decreasing the amount area devoted to pavement. The rights-of-way within Meridian Ranch are 20% wider, 60 ft. instead of 50 ft., creating more landscaped area within the development.

The project has over ten acres of open space, accounting for over 20% of the entire project, creating a lower density development.

Home owners and builders are encouraged to direct roof drains to the sideyards where the runoff will travel overland to the streets and creating an opportunity to allow the runoff to infiltrate into the ground.

Step 2: Stabilize Drainageways

The drainage swale located adjacent and south of the project was designed to have a wide flat bottom and slope reducing the velocity of the concentrated flow traveling along the drainageway. The construction of the swale also included erosion control mat along the entire length of the swale. At steeper sections of the swale straw logs or rip-rap has been installed to reduce velocities and erosion.

Step 3: Provide Water Quality Capture Volume (WQCV)

An existing extended detention pond with water quality capture volume is located to the east of the project that was designed to accommodate the runoff from this development.

Step 4: Consider Need for Industrial and Commercial BMP's

This project is neither industrial nor commercial and therefore this section does not apply.

Temporary Sedimentation Pond

Temporary sedimentation ponds installed during the overlot grading process will act as the primary sediment control for the areas upstream during construction. Runoff will travel overland toward the existing sedimentation ponds, collected and diverted into the proposed storm drain system and discharged into existing downstream systems. The pond will provide initial sediment control over exposed upstream areas.

Detention Pond

The detention ponds will act as the primary water quality control for the areas within the project boundaries. Runoff will be collected by the proposed storm drainage system and diverted into the detention pond where practical. The pond will serve a dual purpose: first, by facilitating the settling of sediment in runoff during and after construction (by means of the WQCV) and, second, by maintaining runoff at or below existing levels.

Silt Fence

Silt fence will be place along downstream limits of disturbed areas. This will prevent suspended sediment from leaving the site during infrastructure construction. Silt fencing is to remain in place until vegetation is reestablished.

Erosion Bales

Erosion bales will be placed ten (10) feet from the inlet of all culverts during construction to prevent culverts from filling with sediment. Erosion bales will remain in place until vegetation is reestablished. Erosion bale checks will be used on slopes greater than 1 percent to reduce flow velocities until vegetation is reestablished.

Miscellaneous

Best erosion control practices will be utilized as deemed necessary by the Contractor or Engineer and are not limited to the measures described above.

REFERENCES

1. "City of Colorado Springs/El Paso County Drainage Criteria Manual" September 1987, Revised November 1991, Revised October 1994.
2. Chapter 6, Hydrology and Chapter 11, Storage, Section 3.2.1 of the "City of Colorado Springs Drainage Criteria Manual" May 2014.
3. "Volume 2, El Paso County/City of Colorado Springs Drainage Criteria Manual-Stormwater Quality Policies, Procedures and Best Management Practices" November 1, 2002.
4. "Urban Storm Drainage Criteria Manual" September 1969, Revised January 2016.
5. Flood Insurance Rate Study for El Paso County, Colorado and Incorporated Areas. Federal Emergency Management Agency, Revised March 17, 1997.
6. Soils Survey of El Paso County area, Natural Resources Conservation Services of Colorado.
7. Master Development Drainage Plan Meridian Ranch. August 2000. Prepared by URS Corp.
8. Revision to Master Development Drainage Plan Meridian Ranch. January 2018. Prepared by Tech Contractors.
9. Master Development Drainage Plan Latigo Trails. October 2001. Prepared by URS Corp.
10. Final Drainage Report for Meridian Ranch Filing 3. August 2011. Prepared by Tech Contractors.
11. Preliminary and Final Drainage Report for Meridian Ranch Filing 7. June 2012. Prepared by Tech Contractors.
12. Final Drainage Report for Meridian Ranch Estates Filing 2. July 2013. Prepared by Tech Contractors.
13. Final Drainage Report for Meridian Ranch Filing 11A. March 2014. Prepared by Tech Contractors.
14. Preliminary and Final Drainage Report for Meridian Ranch Filing 8. December 2014. Prepared by Tech Contractors.
15. Final Drainage Report for Meridian Ranch Filing 9. May 2015. Prepared by Tech Contractors.
16. Final Drainage Report for Meridian Ranch Estates Filing 3. October 2015. Prepared by Tech Contractors.

17. Final Drainage Report for the Vistas Filing 1 at Meridian Ranch. July 2016. Prepared by Tech Contractors.
18. Final Drainage Report for Stonebridge Filing 3 at Meridian Ranch. April 2017. Prepared by Tech Contractors.
19. Interim Drainage Report for WindingWalk Grading. February 2018. Prepared by Tech Contractors.
20. Final Drainage Report Report for WindingWalk Filings 1 & 2 PUD and Final Drainage Report for WindingWalk Filing 1 at Meridian Ranch. April 2018. Prepared by Tech Contractors.
21. Final Drainage Report for WindingWalk Filing 2 at Meridian Ranch. August 2018. Prepared by Tech Contractors.
22. Final Drainage Report for Stonebridge Filing 4 at Meridian Ranch. September 2018. Prepared by Tech Contractors.

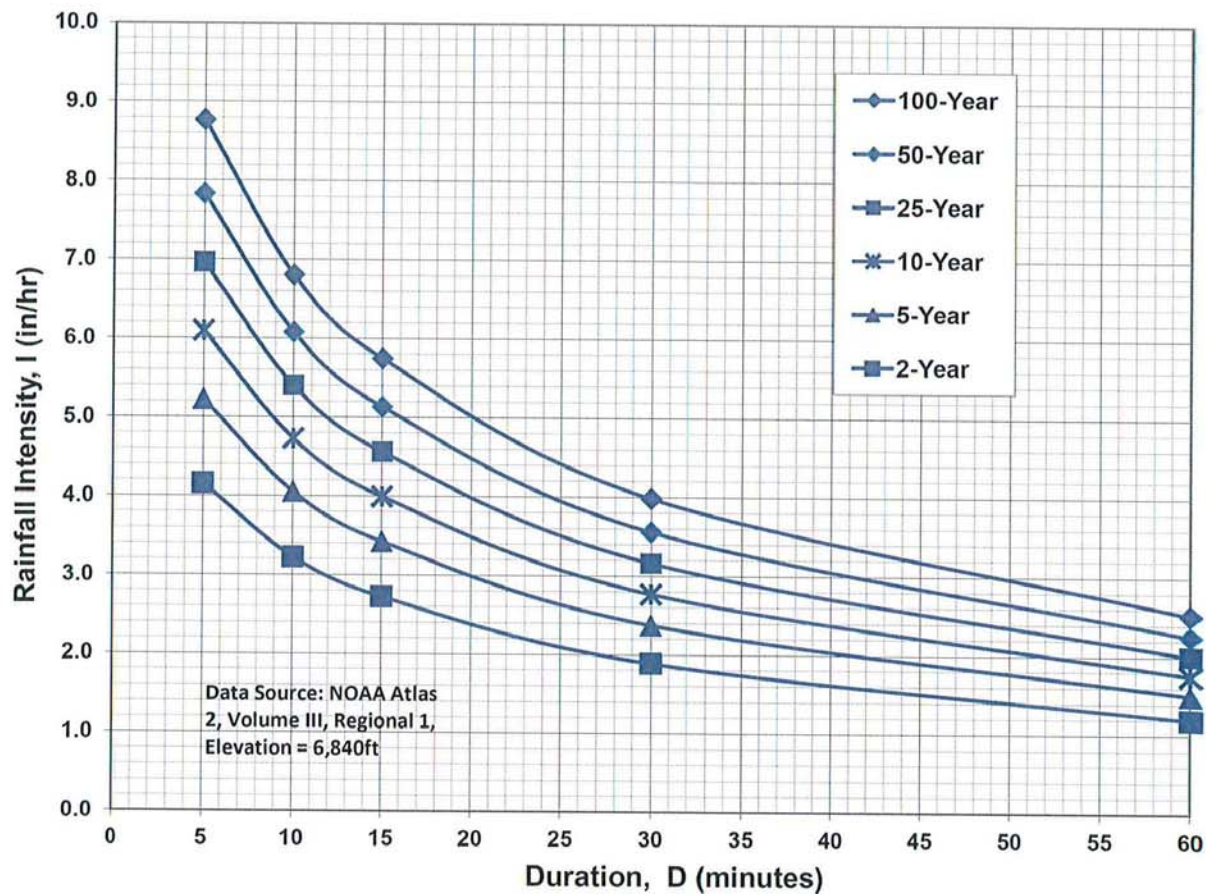
Appendices

Appendix A – Rational Calculations

Table 6-6. Runoff Coefficients for Rational Method
(Source: UDFCD 2001)

Land Use or Surface Characteristics	Percent Impervious	Runoff Coefficients											
		2-year		5-year		10-year		25-year		50-year		100-year	
		HSG A&B	HSG C&D	HSG A&B	HSG C&D	HSG A&B	HSG C&D	HSG A&B	HSG C&D	HSG A&B	HSG C&D	HSG A&B	HSG C&D
Business													
Commercial Areas	95	0.79	0.80	0.81	0.82	0.83	0.84	0.85	0.87	0.87	0.88	0.88	0.89
Neighborhood Areas	70	0.45	0.49	0.49	0.53	0.53	0.57	0.58	0.62	0.60	0.65	0.62	0.68
Residential													
1/8 Acre or less	65	0.41	0.45	0.45	0.49	0.49	0.54	0.54	0.59	0.57	0.62	0.59	0.65
1/4 Acre	40	0.23	0.28	0.30	0.35	0.36	0.42	0.42	0.50	0.46	0.54	0.50	0.58
1/3 Acre	30	0.18	0.22	0.25	0.30	0.32	0.38	0.39	0.47	0.43	0.52	0.47	0.57
1/2 Acre	25	0.15	0.20	0.22	0.28	0.30	0.36	0.37	0.46	0.41	0.51	0.46	0.56
1 Acre	20	0.12	0.17	0.20	0.26	0.27	0.34	0.35	0.44	0.40	0.50	0.44	0.55
Industrial													
Light Areas	80	0.57	0.60	0.59	0.63	0.63	0.66	0.66	0.70	0.68	0.72	0.70	0.74
Heavy Areas	90	0.71	0.73	0.73	0.75	0.75	0.77	0.78	0.80	0.80	0.82	0.81	0.83
Parks and Cemeteries	7	0.05	0.09	0.12	0.19	0.20	0.29	0.30	0.40	0.34	0.46	0.39	0.52
Playgrounds	13	0.07	0.13	0.16	0.23	0.24	0.31	0.32	0.42	0.37	0.48	0.41	0.54
Railroad Yard Areas	40	0.23	0.28	0.30	0.35	0.36	0.42	0.42	0.50	0.46	0.54	0.50	0.58
Undeveloped Areas													
Historic Flow Analysis-- Greenbelts, Agriculture	2	0.03	0.05	0.09	0.16	0.17	0.26	0.26	0.38	0.31	0.45	0.36	0.51
Pasture/Meadow	0	0.02	0.04	0.08	0.15	0.15	0.25	0.25	0.37	0.30	0.44	0.35	0.50
Forest	0	0.02	0.04	0.08	0.15	0.15	0.25	0.25	0.37	0.30	0.44	0.35	0.50
Exposed Rock	100	0.89	0.89	0.90	0.90	0.92	0.92	0.94	0.94	0.95	0.95	0.96	0.96
Offsite Flow Analysis (when landuse is undefined)	45	0.26	0.31	0.32	0.37	0.38	0.44	0.44	0.51	0.48	0.55	0.51	0.59
Streets													
Paved	100	0.89	0.89	0.90	0.90	0.92	0.92	0.94	0.94	0.95	0.95	0.96	0.96
Gravel	80	0.57	0.60	0.59	0.63	0.63	0.66	0.66	0.70	0.68	0.72	0.70	0.74
Drive and Walks	100	0.89	0.89	0.90	0.90	0.92	0.92	0.94	0.94	0.95	0.95	0.96	0.96
Roofs	90	0.71	0.73	0.73	0.75	0.75	0.77	0.78	0.80	0.80	0.82	0.81	0.83
Lawns	0	0.02	0.04	0.08	0.15	0.15	0.25	0.25	0.37	0.30	0.44	0.35	0.50

Figure 6-5. Colorado Springs Rainfall Intensity Duration Frequency



IDF Equations

$$I_{100} = -2.52 \ln(D) + 12.735$$

$$I_{50} = -2.25 \ln(D) + 11.375$$

$$I_{25} = -2.00 \ln(D) + 10.111$$

$$I_{10} = -1.75 \ln(D) + 8.847$$

$$I_5 = -1.50 \ln(D) + 7.583$$

$$I_2 = -1.19 \ln(D) + 6.035$$

Note: Values calculated by equations may not precisely duplicate values read from figure.

COMPOSITE 'C' FACTORS

PROJECT: **Rolling Hills Ranch Filing 1**

4/28/2020

BASIN DESIGNATION	AREA (AC.)							COMPOSITE FACTOR		Percent Impervious
	GRADED	3 DU/AC	4 DU/AC	5 DU/AC	STREETS	OPEN SPACE PARKS/GC	TOTAL	5-year	100-year	
B01		1.1	1.2				2.3	0.28	0.49	35.1%
B02		2.8	2.9				5.6	0.28	0.49	35.1%
B03		1.8	1.9		0.2	0.9	4.8	0.30	0.49	31.9%
B04		1.5	1.6				3.0	0.28	0.49	35.1%
B05		1.6	1.7				3.2	0.28	0.49	35.1%
B06		1.5	1.6				3.1	0.28	0.49	35.1%
B07		2.3	2.4				4.8	0.28	0.49	35.1%
B08		1.2	1.3				2.5	0.28	0.49	35.1%
B09		1.3	1.4				2.7	0.28	0.49	35.1%
B10		1.6	1.7				3.3	0.28	0.49	35.1%
B11		1.5	1.6				3.1	0.28	0.49	35.1%
SUBTOTAL		18	19			0.9	39	0.27	0.48	34.1%
C01		1.5	1.6				3.2	0.28	0.49	35.1%
C02		1.7	1.8				3.5	0.28	0.49	35.1%
C03		0.7	0.7				1.3	0.28	0.49	35.1%
C04		1.5	1.6				3.1	0.28	0.49	35.1%
C05		0.3	0.3				0.6	0.28	0.49	35.2%
C06		0.5	0.5				1.0	0.28	0.49	35.1%
C07		0.2	0.2			0.6	0.9	0.25	0.44	14.4%
SUBTOTAL		6.4	6.7			0.6	14	0.27	0.48	33.8%
E01	16						16.2	0.20	0.40	0.0%
E03	9.0						9.0	0.20	0.40	0.0%
E06			0.7	0.6			1.3	0.32	0.51	41.4%
E07			1.1	1.0			2.1	0.32	0.51	41.4%
E08			2.2	2.0			4.2	0.32	0.51	41.4%
E09			2.9	2.6			5.4	0.32	0.51	41.4%
E10			3.7	3.3			7.0	0.32	0.51	41.4%
E11			1.0	2.1		9.9	13.0	0.26	0.44	11.6%
E12					1.0	0.6	1.6	0.64	0.74	61.4%
E13			1.3	2.5	1.0	1.2	6.0	0.41	0.57	44.0%
SUBTOTAL	25		13	14	2.0	12	66	0.28	0.47	20.4%
TOTAL	25	25	39	14	2.0	13	118	0.28	0.47	26.4%

TIME OF CONCENTRATION

PROJECT: **Rolling Hills Ranch Filing 1**

DATE: 4/28/2020

TIME OF CONCENTRATION																	
SUBBASIN DATA			INIT./OVERLAND TIME (T _i)				TRAVEL TIME (T _t)							TOTAL T _i +T _t (Min.)	T _c Check (Urbanized Basins)		FINAL T _c (min)
BASIN DESIGNATION	C _s	AREA (AC)	LENGTH (FT)	ΔH	SLOPE %	T _i (Min.)*	LENGTH (FT)	ΔH	SLOPE %	CONVEYANCE		VEL. (FPS)	T _t (Min.)**		L (FT)	T _c = (L/180) + 10	
										TYPE	COEF.						
B01	0.28	2.3	242	6.0	2.5%	17.4	838	16	1.9%	P	20	2.8	5.1	22.4	1080.00	16.0	16.0
B02	0.28	5.6	300	9.0	3.0%	18.2	902	17	1.9%	P	20	2.7	5.5	23.6	1202.00	16.7	16.7
B03	0.30	4.8	280	10.0	3.6%	16.1	494	11	2.1%	P	20	2.9	2.8	18.9	774.00	14.3	14.3
B04	0.28	3.0	43	0.9	2.0%	7.9	1352	26	1.9%	P	20	2.8	8.1	16.0	1395.00	17.8	16.0
B05	0.28	3.2	130	2.6	2.0%	13.7	845	20	2.4%	P	20	3.1	4.6	18.3	975.00	15.4	15.4
B06	0.28	3.1	30	0.6	2.0%	6.6	914	19	2.1%	P	20	2.9	5.3	11.9	944.00	15.2	11.9
B07	0.28	4.8	67	1.3	2.0%	9.8	1380	25	1.8%	P	20	2.7	8.5	18.4	1447.00	18.0	18.0
B08	0.28	2.5	155	3.2	2.1%	14.8	731	16	2.2%	P	20	3.0	4.1	18.9	886.00	14.9	14.9
B09	0.28	2.7	155	3.2	2.1%	14.8	916	18	1.9%	P	20	2.8	5.5	20.3	1071.00	16.0	16.0
B10	0.28	3.3	160	3.2	2.0%	15.2	962	18	1.8%	P	20	2.7	5.9	21.1	1122.00	16.2	16.2
B11	0.28	3.1	155	3.2	2.1%	14.8	843	18	2.1%	P	20	2.9	4.9	19.7	998.00	15.5	15.5
C01	0.28	3.2	155	3.2	2.1%	14.8	745	20	2.7%	P	20	3.3	3.8	18.6	900.00	15.0	15.0
C02	0.28	3.5	160	4.2	2.6%	13.9	745	20	2.7%	P	20	3.3	3.8	17.6	905.00	15.0	15.0
C03	0.28	1.3	135	2.7	2.0%	13.9	404	4	1.0%	P	20	2.0	3.4	17.3	539.00	13.0	13.0
C04	0.28	3.1	217	4.5	2.1%	17.5	346	3	0.9%	P	20	1.9	3.1	20.6	563.00	13.1	13.1
C05	0.28	0.6	80	1.6	2.0%	10.7	334	3	0.9%	P	20	1.9	2.9	13.7	414.00	12.3	12.3
C06	0.28	1.0	50	1.0	2.0%	8.5	602	5	0.8%	P	20	1.8	5.5	14.0	652.00	13.6	13.6
C07	0.25	0.9	160	3.0	1.9%	15.9	167	2	1.0%	G	15	1.5	1.8	17.8	327.00	11.8	11.8
D01	0.29	6.9	125	2.5	2.0%	13.1	1060	23	2.2%	P	20	2.9	6.0	19.1	1185.00	16.6	16.6
D02	0.29	3.8	260	10.0	3.8%	15.2	880	16	1.8%	P	20	2.7	5.4	20.7	1140.00	16.3	16.3
D03	0.29	3.8	40	0.8	2.0%	7.4	1140	28	2.4%	P	20	3.1	6.1	13.5	1180.00	16.6	13.5
E01	0.20	16.2	145	2.9	2.0%	15.8	1772	36	2.0%	B	10	1.4	20.7	36.5	1917.00	20.7	20.7
E03	0.20	9.0	247	6.0	2.4%	19.3	985	7	0.7%	B	10	0.8	19.5	38.8	1232.00	16.8	16.8
E06	0.32	1.3	140	2.8	2.0%	13.4	307	6	2.0%	P	20	2.8	1.8	15.2	447.00	12.5	12.5
E07	0.32	2.1	280	11.0	3.9%	15.1	200	8	4.0%	P	20	4.0	0.8	15.9	480.00	12.7	12.7
E08	0.32	4.2	140	2.8	2.0%	13.4	740	16	2.2%	P	20	2.9	4.2	17.6	880.00	14.9	14.9
E09	0.32	5.4	255	8.0	3.1%	15.5	625	18	2.9%	P	20	3.4	3.1	18.6	880.00	14.9	14.9

TIME OF CONCENTRATION																	
SUBBASIN DATA			INIT./OVERLAND TIME (T _i)				TRAVEL TIME (T _t)							TOTAL T _i +T _t (Min.)	T _c Check (Urbanized Basins)		FINAL T _c (min)
BASIN DESIGNATION	C _s	AREA (AC)	LENGTH (FT)	ΔH	SLOPE %	T _i (Min.)*	LENGTH (FT)	ΔH	SLOPE %	CONVEYANCE		VEL. (FPS)	T _t (Min.)**		L (FT)	T _c = (L/180) + 10	
										TYPE	COEF.						
E10	0.32	7.0	172	6.0	3.5%	12.3	1583	35	2.2%	P	20	3.0	8.9	21.2	1755.00	19.8	19.8
E11	0.26	13.0	182	3.0	1.6%	17.5	1696	35	2.1%	L	7	1.0	28.1	45.6	NON-URBAN AREA		45.6
E12	0.64	1.6	25	0.5	2.0%	3.3	1350	12	0.9%	P	20	1.9	11.9	15.3	1375.00	17.6	15.3
E13	0.41	6.0	161	6.0	3.7%	10.3	1188	22	1.9%	P	20	2.7	7.3	17.6	1349.00	17.5	17.5

Notes:	* T _i = $\frac{0.395 (1.1-C_5)L^{0.5}}{S^{0.33}}$	
	V = C _v S _w ^{0.5}	** T _t = L x V

TYPE OF SURFACE		C _v
HEAVY MEADOW	H	2.5
TILLAGE/FIELD	T	5
RIPRAP (not buried)	R	6.5
SHORT PASTURE AND LAWNS	L	7
NEARLY BARE GROUND	B	10
GRASSED WATERWAY	G	15
PAVED AREAS	P	20

STORM DRAINAGE SYSTEM DESIGN
(RATIONAL METHOD PROCEDURE)
SURFACE ROUTING

PROJECT: **Rolling Hills Ranch Filing 1**

Date: 4/28/2020

DESIGN POINT	DIRECT RUNOFF											TOTAL RUNOFF								OVERLAND TRAVEL TIME						
	BASIN	AREA (AC)	Tc (Min.)	I (in./ hr.)		COEFF. ©		CA		Q		Sum Tc (min.)	I (in./ hr.)		CA		Q		DESTINATION DP	CONVEYANCE TYPE	COEFFICIENT C _v	SLOPE %	VEL. (FPS)	LENGTH (FT)	TRAVEL TIME Tt	
				(5 YR)	(100 YR)	(5 YR)	(100 YR)	(5 YR)	(100 YR)	(5 YR)	(100 YR)		(5 YR)	(100 YR)	(5 YR)	(100 YR)	(5 YR)	(100 YR)								
I04	B01	2.3	16.0	3.42	5.75	0.28	0.49	0.63	1.11	2.2	6.4						2.2	6.4								
I05	B02	5.6	16.7	3.36	5.64	0.28	0.49	1.55	2.73	5.2	15						5.2	15	I14	P	20.0	2.54%	3.2	865	4.5	
DP1	B03	4.8	14.3	3.59	6.03	0.30	0.49	1.43	2.36	5.1	14						5.1	14	I06	P	20.0	2.23%	3.0	963	5.4	
I06	B04	3.0	16.0	3.42	5.75	0.28	0.49	0.84	1.47	2.9	8.5	19.7	3.11	5.23	2.26	3.83	7.0	20	I10	P	20.0	2.00%	2.8	852	5.0	
I07	B05	3.2	15.4	3.48	5.84	0.28	0.49	0.89	1.56	3.1	9.1						3.1	9.1								
I08	B06	3.1	11.9	3.87	6.50	0.28	0.49	0.86	1.52	3.3	9.9						3.3	9.9								
I09	B07	4.8	18.0	3.24	5.45	0.28	0.49	1.32	2.32	4.3	13						4.3	13	I12	P	20.0	1.86%	2.7	970	5.9	
I10	B08	2.5	14.9	3.53	5.92	0.28	0.49	0.70	1.23	2.5	7.3	19.9	3.09	5.19	0.70	1.77	2.5	9.2								
I11	B09	2.7	16.0	3.43	5.76	0.28	0.49	0.76	1.33	2.6	7.7						2.6	7.7								
I12	B10	3.3	16.2	3.40	5.71	0.28	0.49	0.92	1.62	3.1	9.2						3.1	9.2								
I12	B11	3.1	15.5	3.47	5.82	0.28	0.49	0.84	1.48	2.9	8.6	24.0	2.82	4.73	1.92	3.73	5.4	18								
I13	C01	3.2	15.0	3.52	5.91	0.28	0.49	0.87	1.53	3.1	9.0						3.1	9.0								
I14	C02	3.5	15.0	3.52	5.91	0.28	0.49	0.98	1.72	3.4	10	21.2	3.00	5.04	0.98	2.04	3.4	10								
I15	C03	1.3	13.0	3.74	6.27	0.28	0.49	0.37	0.65	1.4	4.0						1.4	4.0								
I16	C04	3.1	13.1	3.72	6.25	0.28	0.49	0.85	1.50	3.2	9.4						3.2	9.4	I18	P	20.0	1.00%	2.0	165	1.4	
I17	C05	0.6	12.3	3.82	6.41	0.28	0.49	0.16	0.28	0.6	1.8						0.6	1.8								
I18	C06	1.0	13.6	3.67	6.15	0.28	0.49	0.28	0.50	1.0	3.1	14.5	3.57	6.00	0.28	1.00	1.0	6.0								
CB1	C07	0.9	11.8	3.88	6.51	0.25	0.44	0.22	0.39	0.9	2.5						0.9	2.5								
I36	E03	9.0	16.8	3.35	5.62	0.20	0.40	1.80	3.60	6.0	20						6.0	20	I36	B	10.0	0.85%	0.9	30	0.5	
I37	E01	16.2	20.7	3.04	5.11	0.20	0.40	3.24	6.48	9.9	33						9.9	33	I34	B	10.0	1.90%	1.4	315	3.8	
I38	E06	1.3	12.5	3.80	6.37	0.32	0.51	0.41	0.65	1.6	4.2						1.6	4.2								
I39	E07	2.1	12.7	3.77	6.34	0.32	0.51	0.66	1.05	2.5	6.7						2.5	6.7	I41	P	20.0	2.80%	3.3	675	3.4	
I40	E08	4.2	14.9	3.53	5.93	0.32	0.51	1.35	2.14	4.8	13						4.8	13	E11	P	20.0	2.30%	3.0	1290	7.1	
I41	E09	5.4	14.9	3.53	5.93	0.32	0.51	1.76	2.80	6.2	17	16.0	3.42	5.74	1.76	3.27	6.2	19	I43	P	20.0	1.10%	2.1	545	4.3	
I42	E10	7.0	19.8	3.11	5.22	0.32	0.51	2.26	3.59	7.0	19						7.0	19								
CB3	E11	13.0	45.6	1.85	3.11	0.26	0.44	3.42	5.69	6.3	18						6.3	18								
I43	E12	1.6	15.3	3.49	5.86	0.64	0.74	1.02	1.19	3.6	7.0	20.4	3.06	5.14	1.02	2.09	3.6	11	E13	P	20.0	1.25%	2.2	1190	8.9	
E11	E13	6.0	17.5	3.29	5.52	0.41	0.57	2.48	3.45	8.2	19	22.0	2.95	4.95	2.48	3.92	8.2	19	E12	P	20.0	1.25%	2.2	560	4.2	

TYPE OF SURFACE		C _v
HEAVY MEADOW	H	3
TILLAGE/FIELD	T	5
RIPRAP (not buried)	R	7
SHORT PASTURE AND LAWNS	L	7
NEARLY BARE GROUND	B	10
GRASSED WATERWAY	G	15
PAVED AREAS	P	20

**STORM DRAINAGE SYSTEM DESIGN
INLET CALCULATIONS**

PROJECT: **Rolling Hills Ranch Filing 1**

Date: 4/28/2020

DP	BASIN	Inlet size L(i)	Proposed or Existing	INLET TYPE	CROSS SLOPE	STREET SLOPE	T _c	Q _{Total}		Q _{Capture}				Q _{Flow-by}				DEPTH (max)		SPREAD	
								Q ₅ (cfs)	Q ₁₀₀ (cfs)	Q ₅ (cfs)	Q ₁₀₀ (cfs)	CA _{eqv.} (5-yr)	CA _{eqv.} (100-yr)	Q ₅ (cfs)	Q ₁₀₀ (cfs)	CA _{eqv.} (5-yr)	CA _{eqv.} (100-yr)	Q ₅ (ft)	Q ₁₀₀ (ft)	Q ₅ (ft)	Q ₁₀₀ (ft)
I04	B01	10	PROP	SUMP ¹	2.0%		16.0	2.2	6.4	2.2	6.4	0.63	1.11	-	-	-	-	0.47	0.47		
I05	B02	15	PROP	SUMP ¹	2.0%		16.7	5.2	15	5.2	14	1.55	2.41	-	1.8	-	0.33	0.47	0.47		
I06	B04	20	PROP	SUMP ¹	2.0%		19.7	7.0	20	7.0	17	2.26	3.30	-	2.8	-	0.53	0.47	0.47		
I07	B05	10	PROP	SUMP ¹	2.0%		15.4	3.1	9.1	3.1	9.1	0.89	1.56	-	-	-	-	0.47	0.47		
I08	B06	10	PROP	SUMP ¹	2.0%		11.9	3.3	9.9	3.3	9.9	0.86	1.52	-	-	-	-	0.47	0.47		
I09	B07	20	PROP	FLOW-BY	2.0%	1.0%	18.0	4.3	13	3.7	9.2	1.15	1.69	0.5	3.4	0.17	0.63	0.33	0.46	12.4	18.7
I10	B08	10	PROP	SUMP ¹	2.0%		19.9	2.5	9.2	2.5	9.2	0.80	1.77	-	-	-	-	0.47	0.47		
I11	B09	10	PROP	SUMP	2.0%		16.0	2.6	7.7	2.6	7.7	0.76	1.33	-	-	-	-	0.50	0.70		
I12	B10 B11	20	PROP	SUMP	2.0%		24.0	5.4	18	5.4	18	1.92	3.73	-	-	-	-	0.50	0.70		
I13	C01	10	PROP	SUMP ¹	2.0%		15.0	3.1	9.0	3.1	9.0	0.87	1.53	-	-	-	-	0.47	0.47		
I14	C02	15	PROP	SUMP ¹	2.0%		21.2	3.4	10	3.4	10	1.14	2.04	-	-	-	-	0.47	0.47		
I15	C03	5	PROP	SUMP ¹	2.0%		13.0	1.4	4.0	1.4	4.0	0.37	0.65	-	-	-	-	0.47	0.47		
I16	C04	5	PROP	SUMP ¹	2.0%		13.1	3.2	9.4	3.2	6.3	0.85	1.01	-	3.1	-	0.50	0.47	0.47		
I17	C05	5	PROP	SUMP	2.0%		12.3	0.6	1.8	0.6	1.8	0.16	0.28	-	-	-	-	0.50	0.70		
I18	C06	5	PROP	SUMP	2.0%		14.5	1.0	6.0	1.0	6.0	0.29	1.00	-	-	-	-	0.50	0.70		
CB1	C07	Type C	PROP	SUMP	2.0%		11.8	0.9	2.5	0.9	2.5	0.22	0.39	-	-	-	-	0.13	0.27		
I36	E03	15	PROP	SUMP	2.0%		16.8	6.0	20	6.0	20	1.80	3.60	-	-	-	-	1.00	1.00		
I37	E01	20	PROP	SUMP	2.0%		20.7	9.9	33	9.9	33	3.24	6.48	-	-	-	-	1.00	1.00		
I38	E06	5	PROP	SUMP ¹	2.0%		12.5	1.6	4.2	1.6	4.2	0.41	0.65	-	-	-	-	0.47	0.47		
I39	E07	15	PROP	FLOW-BY	2.0%	2.0%	12.7	2.5	6.7	2.0	4.5	0.52	0.70	0.5	2.2	0.14	0.35	0.26	0.34	8.9	12.9
I40	E08	10	PROP	SUMP ¹	2.0%		14.9	4.8	13	4.8	9.9	1.35	1.67	-	2.8	-	0.47	0.47	0.47		
I41	E09	15	PROP	SUMP ¹	2.0%		16.0	6.2	19	6.2	14	1.82	2.36	-	5.2	-	0.90	0.47	0.47		
I42	E10	20	PROP	SUMP	2.0%		19.8	7.0	19	7.0	19	2.26	3.59	-	-	-	-	0.50	0.70		
CB3	E11	Type C	PROP	SUMP	2.0%		45.6	6.3	18	6.3	18	3.42	5.69	-	-	-	-	0.45	0.70		
I43	E12	20	PROP	FLOW-BY	2.0%	1.0%	20.4	3.6	10.8	3.2	8.0	1.05	1.56	0.4	2.7	0.12	0.53	0.32	0.44	11.6	17.6
EI1	E13	15	PROP	SUMP ¹	2.0%		22.0	8.2	19	8.2	13	2.77	2.61	-	6.5	-	1.31	0.45	0.45		

¹ Forced sump at intersection

**STORM DRAINAGE SYSTEM DESIGN
(RATIONAL METHOD PROCEDURE)
PIPE ROUTING**

PROJECT: **Rolling Hills Ranch Filing 1**

Date: 4/28/2020

UPSTREAM DESIGN POINT	UPSTREAM BASIN	INLET FLOW							SYSTEM FLOW							TRAVEL TIME						
		Tc (Min.)	I (in./ hr.)		CA		Q		Sum Tc (min.)	I (in./ hr.)		CA		Q		PIPE DIA	ROUGHNESS (n)	DESTINATION DP	SLOPE %	LENGTH (FT)	VEL. (FPS) (Estimate)*	TRAVEL TIME Tt
			(5 YR)	(100 YR)	(5 YR)	(100 YR)	(5 YR)	(100 YR)		(5 YR)	(100 YR)	(5 YR)	(100 YR)	(5 YR)	(100 YR)							
I04	B01	16.0	3.42	5.75	0.63	1.11	2.2	6.4						2.2	6.4	18	0.013	I05	0.53%	75	4	0.3
I05	B02	16.7	3.36	5.64	1.55	2.41	5.2	14	16.7	3.36	5.64	2.18	3.52	7.3	20	24	0.013	J02	0.97%	5.2	7	0.0
J02									16.7	3.36	5.64	2.18	3.52	7.3	20	24	0.013	J03	0.51%	215	5	0.7
I06	B04	19.7	3.11	5.23	2.26	3.30	7.0	17						7.0	17	18	0.013	J03	19.34%	5.2	26	0.0
J03									19.7	3.11	5.23	4.45	6.82	14	36	30	0.013	J04	0.53%	75	6	0.2
I07	B05	15.4	3.48	5.84	0.89	1.56	3.1	9.1						3.1	9.1	18	0.013	J04	19.34%	5.2	26	0.0
J04									19.9	3.10	5.20	5.33	8.38	17	44	36	0.013	J05	0.51%	225	7	0.6
I08	B06	11.9	3.87	6.50	0.86	1.52	3.3	9.9						3.3	9.9	18	0.013	J05	19.34%	5.2	26	0.0
J05									20.4	3.06	5.13	6.20	9.90	19	51	36	0.013	J06	0.54%	64	7	0.2
I09	B07	18.0	3.24	5.45	1.15	1.69	3.7	9.2						3.7	9.2	18	0.013	J06	9.67%	5.2	19	0.0
J06									20.6	3.05	5.11	7.35	11.58	22	59	36	0.013	J07	1.29%	448	11	0.7
J07									21.3	3.00	5.03	7.35	11.58	22	58	36	0.013	J10	2.46%	407	15	0.5
I10	B08	19.9	3.09	5.19	0.80	1.77	2.5	9.2						2.5	9.2	18	0.013	J08	0.56%	54	4	0.2
J08									20.1	3.08	5.17	0.80	1.77	2.5	9.1	18	0.013	J09	0.75%	193	5	0.6
I11	B09	16.0	3.43	5.76	0.76	1.33	2.6	7.7						2.6	7.7	18	0.013	J09	0.99%	25	6	0.1
I12	B10 B11	24.0	2.82	4.73	1.92	3.73	5.4	18						5.4	18	18	0.013	J09	4.84%	5.2	13	0.0
J09									24.0	2.82	4.73	3.48	6.82	9.8	32	24	0.013	J10	0.60%	83	6	0.2
J10									24.2	2.80	4.70	10.82	18.41	30	87	42	0.013	OS2	2.06%	267	15	0.3
I13	C01	15.0	3.52	5.91	0.87	1.53	3.1	9.0						3.1	9.0	24	0.013	J11	1.00%	45	7	0.1
I14	C02	21.2	3.00	5.04	1.14	2.04	3.4	10						3.4	10	24	0.013	J11	2.58%	25	12	0.0
J11									21.2	3.00	5.03	2.01	3.57	6.0	18	24	0.013	J12	1.02%	295	7	0.7
I15	C03	13.0	3.74	6.27	0.37	0.65	1.4	4.0						1.4	4.0	18	0.013	J12	1.00%	45	6	0.1
I16	C04	13.1	3.72	6.25	0.85	1.01	3.2	6.3						3.2	6.3	18	0.013	J12	1.59%	25	8	0.1
J12									21.9	2.95	4.96	3.23	5.22	9.5	26	30	0.013	J13	0.64%	165	7	0.4
I17	C05	12.3	3.82	6.41	0.16	0.28	0.6	1.8						0.6	1.8	18	0.013	J13	0.99%	25	6	0.1
I18	C06	14.5	3.57	6.00	0.29	1.00	1.0	6.0						1.0	6.0	18	0.013	J13	4.84%	5.2	13	0.0
J13									22.3	2.92	4.91	3.68	6.50	11	32	36	0.013	J14	0.98%	77	9	0.1
CB1	C07	11.8	3.88	6.51	0.22	0.39	0.9	2.5						0.9	2.5	18	0.013	J14	2.81%	68	10	0.1
J14									22.5	2.92	4.89	3.91	6.89	11	34	36	0.013	OS3	1.03%	472	10	0.8
									23.3													

* Velocity estimated for calculation of travel time. Refer to Hydraulics for calculated velocity.

UPSTREAM DESIGN POINT	UPSTREAM BASIN	INLET FLOW							SYSTEM FLOW						TRAVEL TIME							
		Tc (Min.)	I (in./ hr.)		CA		Q		Sum Tc (min.)	I (in./ hr.)		CA		Q		PIPE DIA	ROUGHNESS (n)	DESTINATION DP	SLOPE %	LENGTH (FT)	VEL. (FPS) (Estimate)*	TRAVEL TIME Tt
			(5 YR)	(100 YR)	(5 YR)	(100 YR)	(5 YR)	(100 YR)		(5 YR)	(100 YR)	(5 YR)	(100 YR)	(5 YR)	(100 YR)							
I37	E01	20.7	3.04	5.11	3.24	6.48	9.9	33						9.9	33	18	0.013	J27	0.76%	7	5	0.0
I36	E03	16.8	3.35	5.62	1.80	3.60	6.0	20.2						6.0	20	18	0.013	J29	1.00%	25	6	0.1
J30									20.7	3.04	5.10	5.04	10.08	15	51	36	0.013	J31	1.03%	44	10	0.1
J31									20.7	3.03	5.09	5.04	10.08	15	51	36	0.013	J36	0.79%	272	8	0.5
I38	E06	12.5	3.80	6.37	0.41	0.65	1.6	4.2						1.6	4.2	18	0.013	J32	1.16%	90	6	0.2
J32									12.7	3.77	6.33	0.41	0.65	1.5	4.1	18	0.013	J33	4.61%	348	13	0.5
I39	E07	12.7	3.77	6.34	0.52	0.70	2.0	4.5						2.0	4.5	18	0.013	J33	3.70%	26	11	0.0
J33									13.2	3.72	6.24	0.93	1.36	3.5	8.5	18	0.013	J34	1.95%	151	8	0.3
I40	E08	14.9	3.53	5.93	1.35	1.67	4.8	9.9						4.8	9.9	18	0.013	J34	1.04%	24	6	0.1
J34									15.0	3.53	5.92	2.28	3.03	8.0	18	24	0.013	J35	3.02%	478	13	0.6
J35									15.6	3.46	5.81	2.28	3.03	8.0	18	24	0.013	J36	1.29%	62	8	0.1
I41	E09	16.0	3.42	5.74	1.82	2.36	6.2	14						6.2	14	24	0.013	J36	1.03%	24	7	0.1
J36									21.3	3.00	5.03	9.14	15.48	27	78	42	0.013	J37	1.03%	316	11	0.5
I42	E10	19.8	3.11	5.22	2.26	3.59	7.0	19						7.0	19	24	0.013	J37	1.04%	106	7	0.2
J37									21.8	2.96	4.97	11.40	19.07	34	95	48	0.013	J38	1.22%	201	13	0.3
CB3	E11	45.6	1.85	3.11	3.42	5.69	6.3	18						6.3	18	18	0.013	J38	1.52%	112	7	0.3
I43	E12	20.4	3.06	5.14	1.05	1.56	3.2	8.0						3.2	8.0	18	0.013	J38	1.14%	13	6	0.0
J38									20.4	3.06	5.14	15.87	26.32	49	135	54	0.013	EJ01	2.39%	227	19	0.2
EI1	E13	22.0	2.95	4.95	2.77	2.61	8.2	13						8.2	13	18	0.013	EJ02	2.20%	4.5	9	0.0
CA's FROM MERIDIAN RANCH FILING 11A FDR, TIME OF CONCENTRATION ADJUSTED TO MATCH FLOW RATE FROM SCS METHOD									87.5	0.88	1.47	22.47	92.72	20	136							
EJ02									87.5	0.88	1.47	25.24	95.33	22	140	54	0.013	EJ01	0.49%	67	9	0.1

* Velocity estimated for calculation of travel time. Refer to Hydraulics for calculated velocity.

STORM DRAINAGE SYSTEM DESIGN

HYDRAULICS

PROJECT: Rolling Hills Ranch Filing 1

Date: 4/28/2020

Label	Upstrm Node	Dnstrm Node	Inlet CA (acres)	Inlet Tc (min)	Inlet Flow (ft³/s)	System CA (acres)	System Flow Time (min)	System Intensity (in/hr)	Section Size (in)	Length (ft)	Slope (%)	Capacity (Full Flow) (ft³/s)	System Flow (ft³/s)	Velocity (Ave) (ft/s)	Elevation Ground (Upstrm) (ft)	Hydraulic Grade Line (Upstrm) (ft)	Invert (Upstrm) (ft)	Elevation Ground (Dnstrm) (ft)	Hydraulic Grade Line (Dnstrm) (ft)	Invert (Dnstrm) (ft)
P05	I04	I05	1.11	16.0	6.4	1.11	16.0	5.75	18	75.4	0.53%	8	6.4	3.6	7094.25	7091.9	7089.75	7094.44	7091.6	7089.35
P06	I05	J02	2.41	16.7	14	3.52	16.7	5.64	24	5.2	0.97%	22	20	6.4	7094.44	7091.6	7088.85	7094.47	7091.6	7088.80
P07	J02	J03				3.52	16.7	5.64	30	214.7	0.51%	29	20	4.1	7094.47	7091.3	7088.30	7094.28	7090.8	7087.20
P08	J03	J04				6.82	19.7	5.22	30	75.4	0.53%	30	36	7.3	7094.28	7090.7	7087.20	7094.26	7090.1	7086.80
P09	J04	J05				8.38	19.9	5.20	36	224.7	0.51%	48	44	6.2	7094.26	7090.0	7086.30	7094.27	7089.0	7085.15
P10	J05	J06				9.90	20.5	5.13	36	64.5	0.54%	49	51	7.2	7094.27	7088.6	7085.15	7093.76	7088.2	7084.80
P11	J06	J07				11.58	20.6	5.11	36	448.2	1.29%	76	60	12	7093.76	7087.3	7084.80	7084.74	7081.6	7079.00
P12	I06	J03	3.30	19.7	17	3.30	19.7	5.22	18	5.2	19.34%	46	17	9.8	7094.45	7091.6	7089.20	7094.28	7091.5	7088.20
P13	I07	J04	1.56	15.4	9.2	1.56	15.4	5.84	18	5.2	19.34%	46	9	5	7094.43	7090.6	7088.80	7094.26	7090.5	7087.80
P14	I08	J05	1.52	11.9	10	1.52	11.9	6.49	18	5.2	19.34%	46	10	5.6	7094.44	7089.2	7087.65	7094.27	7089.2	7086.65
P15	I09	J06	1.68	18.0	9.2	1.68	18.0	5.45	18	5.2	9.67%	33	9.2	16	7093.99	7088.0	7086.80	7093.76	7088.1	7086.30
P16	I10	J08	1.46	19.9	7.7	1.46	19.9	5.20	18	53.6	0.56%	8	7.7	4.3	7077.24	7075.8	7072.75	7076.93	7075.5	7072.45
P17	J08	J09				1.46	20.1	5.17	18	193.1	0.75%	9	7.6	4.3	7076.93	7075.3	7072.45	7075.53	7074.3	7071.00
P18	J09	J10				6.52	24.0	4.73	24	83.0	0.60%	18	31	9.9	7075.53	7073.7	7070.50	7076.78	7072.2	7070.00
P19	J10	OS2				18.10	24.2	4.71	42	267.0	2.06%	144	86	16	7076.78	7071.4	7068.50	7068.00	7065.0	7063.00
P20	J07	J10				11.58	21.3	5.03	36	406.9	2.46%	105	59	15	7084.74	7081.5	7079.00	7076.78	7072.3	7069.00
P22	I11	J09	1.33	16.0	7.7	1.33	16.0	5.75	18	25.2	0.99%	11	7.7	4.4	7075.76	7074.2	7071.25	7075.53	7074.0	7071.00
P23	I12	J09	3.73	24.0	18	3.73	24.0	4.73	18	5.2	4.84%	23	17.8	10.1	7075.76	7074.6	7071.25	7075.53	7074.5	7071.00
P25	I13	J11	1.53	15.0	9.1	1.53	15.0	5.91	18	45.2	1.00%	11	9.1	6.7	7072.13	7068.8	7067.60	7072.23	7068.4	7067.15
P26	J11	J12				3.57	21.2	5.03	24	295.0	1.02%	23	18.1	8.1	7072.23	7068.2	7066.65	7069.23	7065.0	7063.65
P27	J12	J13				5.23	21.9	4.96	30	165.3	0.64%	33	26.2	7.4	7069.23	7064.9	7063.15	7067.63	7063.8	7062.10
P28	J13	J14				6.51	22.2	4.92	36	76.8	0.98%	66	32.3	9.3	7067.63	7063.4	7061.60	7068.43	7063.2	7060.85
P29	J14	OS3				6.90	22.4	4.90	36	471.7	1.03%	68	34.1	9.6	7068.43	7062.8	7060.85	7061.00	7057.5	7056.00
P30	I15	J12	0.65	13.0	4.1	0.65	13.0	6.27	18	45.2	1.00%	11	4.1	5.6	7069.13	7065.4	7064.60	7069.23	7065.4	7064.15
P31	I16	J12	1.01	13.1	6.4	1.01	13.1	6.25	18	25.2	1.59%	13	6.4	7.4	7069.08	7065.5	7064.55	7069.23	7065.4	7064.15
P32	I17	J13	0.28	12.3	1.8	0.28	12.3	6.41	18	25.2	0.99%	11	1.8	4.4	7067.87	7063.9	7063.35	7067.63	7063.9	7063.10
P33	I18	J13	1.00	14.5	6.0	1.00	14.5	6.00	18	5.2	4.84%	23	6.0	11	7067.87	7064.3	7063.35	7067.63	7063.8	7063.10
P34	CB1	J14	0.39	11.8	2.6	0.39	11.8	6.52	18	67.6	2.81%	18	2.6	7.1	7067.00	7064.9	7064.25	7068.43	7062.7	7062.35
P35	I14	J11	2.04	21.2	10	2.04	21.2	5.04	18	25.2	2.58%	17	10	10	7072.33	7069.0	7067.80	7072.23	7068.4	7067.15
P74	J30	J31				10.08	20.7	5.10	36	43.7	1.03%	68	52	11	7030.40	7026.7	7024.35	7030.41	7026.0	7023.90
P75	J31	J36				10.08	20.8	5.09	42	272.0	0.79%	89	52	9.6	7030.41	7025.7	7023.40	7027.76	7024.9	7021.25
P76	I38	J32	0.65	12.5	4.2	0.65	12.5	6.37	18	90.5	1.16%	11	4.2	5.9	7063.08	7059.3	7058.55	7061.76	7058.4	7057.50
P77	J32	J33				0.65	12.8	6.32	18	347.8	4.61%	23	4.1	9.7	7061.76	7058.3	7057.50	7046.59	7042.8	7041.45
P78	J33	J34				1.35	13.4	6.20	18	151.5	1.95%	15	8.4	8.6	7046.59	7042.6	7041.45	7043.51	7039.8	7038.50
P79	J34	J35				3.02	15.0	5.92	24	478.1	3.02%	39	18	12	7043.51	7039.5	7038.00	7028.30	7025.2	7023.55
P80	J35	J36				3.02	15.6	5.81	24	62.2	1.29%	26	18	8.8	7028.30	7025.1	7023.55	7027.76	7024.9	7022.75
P81	J36	J37				15.96	23.9	4.74	42	315.8	1.03%	102	76	12	7027.76	7024.0	7021.25	7024.27	7020.3	7018.00
P82	J37	J38				19.55	24.3	4.69	48	201.2	1.22%	159	93	13	7024.27	7020.4	7017.50	7022.16	7017.3	7015.05
P83	J38	EJ01				26.79	45.8	3.10	54	226.9	2.39%	304	84	16	7022.16	7017.2	7014.55	7018.68	7012.9	7009.12
P84	EJ01	EX PIPE				122.12	86.2	1.50	60	545.8	1.14%	278	185	15	7018.68	7012.5	7008.62	7011.86	7005.4	7002.41
P87	I36	J30	3.60	16.8	20	3.60	16.8	5.63	18	24.7	1.01%	11	20	12	7030.36	7028.4	7026.10	7030.40	7027.5	7025.85
P88	I37	J30	6.48	20.7	33	6.48	20.7	5.10	18	4.7	5.35%	24	33	19	7030.36	7027.9	7026.10	7030.40	7027.5	7025.85
P89	I39	J33	0.70	12.7	4.5	0.70	12.7	6.33	18	25.7	3.70%	20	4.5	9.2	7046.92	7043.2	7042.40	7046.59	7042.7	7041.45
P90	I40	J34	1.67	14.9	10	1.67	14.9	5.93	18	24.0	1.04%	11	10	6.9	7043.24	7040.0	7038.75	7043.51	7039.8	7038.50
P91	I41	J36	2.86	23.8	14	2.86	23.8	4.75	24	24.2	1.03%	23	14	7.6	7027.99	7024.3	7023.00	7027.76	7024.1	7022.75
P92	I42	J37	3.59	19.8	19	3.59	19.8	5.21	24	106.0	1.04%	23	19	8.2	7026.54	7022.2	7020.60	7024.27	7021.3	7019.50
P93	CB3	J38	5.69	45.6	18	5.69	45.6	3.11	24	112.2	1.52%	28	18	9.4	7022.00	7020.3	7018.75	7022.16	7018.2	7017.05
P94	I43	J38	1.55	25.6	7.1	1.55	25.6	4.56	18	13.2	1.14%	11	7.1	6.7	7022.21	7018.7	7017.70	7022.16	7018.5	7017.55
P95	E11	EJ02	2.61	22.0	13	2.61	22.0	4.95	18	4.5	2.20%	16	13	7.4	7018.73	7014.7	7012.55	7019.36	7014.7	7012.45
P97	OM POND	EJ02	92.72	86.0	141	92.72	86.0	1.51	42	161.8	4.17%	206	141	23	7025.72	7020.6	7017.20	7019.36	7014.1	7010.45
P98	EJ02	EJ01				95.33	86.1	1.51	54	66.8	0.49%	138	145	9.9	7019.36	7013.7	7009.45	7018.68	7013.4	7009.12

Appendix B - HEC-HMS Data

Input Data

Rolling Hills Ranch Filing 1

BASIN	AREA		CURVE NO.	LAG TIME (min)
	(acre)	(mi ²)		
HISTORIC				
OS05	37	0.0578	61.0	15.2
OS06	84	0.1313	61.0	18.7
OS07	21	0.0328	63.1	15.4
OS08	26	0.0406	65.7	15.9
OS09	98	0.1527	65.0	29.5
HG01	35	0.0547	61.0	19.6
HG02	58	0.0906	61.0	25.4
HG03	117	0.1828	61.1	33.8
HG04	57	0.0891	61.0	30.7
HG05	72	0.1125	61.0	31.8
HG06A	88	0.1375	61.0	43.2
HG06B	66	0.1031	61.0	49.5
HG07	63	0.0984	61.0	28.3
HG08	85	0.1328	61.0	22.9
HG09	114	0.1781	61.0	35.6
HG10	88	0.1375	61.0	61.4
HG11	131	0.2047	61.0	40.4
HG12	83	0.1297	61.0	32.0
HG13	54	0.0844	63.1	21.2
HG14	147	0.2297	61.0	45.1
HG15	164	0.2563	61.0	65.1
HG18	21	0.0328	61.0	14.1
HG19	3	0.0047	61.0	6.1
HG20	1	0.0016	61.0	6.9
HG21	14	0.0219	61.0	13.8
BASIN	AREA		CURVE NO.	LAG TIME (min)
	(acre)	(mi ²)		
INTERIM				
FG08A	48	0.0750	76.8	13.3
FG08B	40	0.0630	76.7	16.6
FG09	31	0.0484	71.7	20.8
FG10a	52	0.0806	72.6	12.4

BASIN	AREA		CURVE NO.	LAG TIME (min)
	(acre)	(mi ²)		
FG10b	27	0.0416	71.4	20.0
FG11	40	0.0625	78.2	23.2
FG12	21	0.0328	80.0	16.1
FG13	34	0.0534	66.3	29.6
FG14	64	0.1000	70.3	12.8
FG15	7	0.0103	78.6	15.6
FG16	51	0.0791	78.8	13.0
FG17a	44	0.0694	76.5	14.4
FG17b	14	0.0214	79.9	11.4
FG17c	20	0.0313	65.2	11.8
FG18	41	0.0644	73.5	29.9
FG19	34	0.0527	80.3	15.3
FG20	7	0.0109	92.9	10.1
FG30	25	0.0389	61.0	12.0
FG31	59	0.0922	80.0	24.0
FUTURE				
BASIN	AREA		CURVE NO.	LAG TIME (min)
	(acre)	(mi ²)		
OS05	37	0.0578	61.0	15.2
OS06	84	0.1313	61.0	18.7
OS07a	11	0.0170	63.1	13.9
OS07b	10	0.0156	63.1	10.9
OS08	26	0.0406	65.7	15.9
OS09	98	0.1527	65.0	29.5
FG01	34	0.0538	66.4	33.8
FG02	25	0.0391	64.6	16.1
FG03	13	0.0203	68.0	11.6
FG04	11	0.0172	68.0	7.6
FG05	37	0.0580	70.1	28.7
FG06	39	0.0608	65.4	18.4
FG08A	48	0.0750	76.8	13.3
FG08B	40	0.0630	76.7	16.6
FG09	31	0.0484	71.7	20.8

BASIN	AREA		CURVE NO.	LAG TIME (min)
	(acre)	(mi ²)		
FG10a	52	0.0806	73.2	23.3
FG10b	27	0.0416	71.4	20.0
FG11	40	0.0625	78.2	23.2
FG12	21	0.0328	80.0	16.1
FG13	34	0.0534	66.3	29.6
FG14	64	0.1000	74.6	26.4
FG15	7	0.0103	78.6	15.6
FG16	51	0.0791	78.8	13.0
FG17a	44	0.0694	76.5	14.4
FG17b	14	0.0214	79.9	11.4
FG17c	20	0.0313	65.2	11.8
FG18	41	0.0644	73.5	29.9
FG19	34	0.0527	80.3	15.3
FG19a	5	0.0077	75.2	16.4
FG20	7	0.0109	92.9	10.1
FG21a	5	0.0072	63.9	10.1
FG21b	11	0.0170	78.5	15.3
FG22	88	0.1380	67.3	24.8
FG23a	14	0.0216	68.6	18.0
FG23b	18	0.0286	64.7	16.5
FG23c	8	0.0122	67.3	14.0
FG24	88	0.1373	68.1	24.9
FG25	70	0.1086	74.1	36.6
FG26	55	0.0863	70.7	23.1
FG27	32	0.0500	74.7	23.9
FG28	16	0.0245	66.6	23.0
FG29	64	0.0997	61.0	19.1
FG30	25	0.0389	80.0	10.9
FG31	59	0.0922	80.0	24.0
FG32	26	0.0402	80.0	12.1
FG33	19	0.0302	73.5	19.3
FG34	38	0.0600	62.0	23.5
FG35	22	0.0344	63.4	26.4
FG36	18	0.0281	61.0	25.0
FG37	51	0.0797	61.0	24.7



NOAA Atlas 14, Volume 8, Version 2
Location name: Peyton, Colorado, USA*
Latitude: 38.9783°, Longitude: -104.5842°
Elevation: 7054.14 ft**
* source: ESRI Maps
** source: USGS



POINT PRECIPITATION FREQUENCY ESTIMATES

Sanja Perica, Deborah Martin, Sandra Pavlovic, Ishani Roy, Michael St. Laurent, Carl Trypaluk,
Dale Unruh, Michael Yekta, Geoffery Bonnin

NOAA, National Weather Service, Silver Spring, Maryland

[PF_tabular](#) | [PF_graphical](#) | [Maps & aeriels](#)

PF tabular

PDS-based point precipitation frequency estimates with 90% confidence intervals (in inches) ¹										
Duration	Average recurrence interval (years)									
	1	2	5	10	25	50	100	200	500	1000
5-min	0.239 (0.190-0.301)	0.291 (0.232-0.367)	0.381 (0.302-0.482)	0.460 (0.363-0.585)	0.576 (0.442-0.764)	0.670 (0.501-0.899)	0.770 (0.556-1.06)	0.875 (0.606-1.23)	1.02 (0.680-1.48)	1.14 (0.737-1.66)
10-min	0.349 (0.278-0.441)	0.426 (0.339-0.538)	0.558 (0.443-0.706)	0.674 (0.532-0.857)	0.843 (0.647-1.12)	0.982 (0.734-1.32)	1.13 (0.814-1.55)	1.28 (0.888-1.80)	1.50 (0.996-2.16)	1.67 (1.08-2.44)
15-min	0.426 (0.340-0.538)	0.519 (0.413-0.656)	0.680 (0.540-0.861)	0.822 (0.648-1.04)	1.03 (0.789-1.36)	1.20 (0.895-1.61)	1.37 (0.993-1.89)	1.56 (1.08-2.20)	1.82 (1.22-2.64)	2.03 (1.31-2.97)
30-min	0.608 (0.485-0.768)	0.741 (0.590-0.936)	0.969 (0.769-1.23)	1.17 (0.923-1.49)	1.46 (1.12-1.94)	1.70 (1.27-2.28)	1.95 (1.41-2.68)	2.21 (1.53-3.12)	2.58 (1.72-3.73)	2.87 (1.86-4.20)
60-min	0.778 (0.620-0.982)	0.934 (0.744-1.18)	1.21 (0.962-1.54)	1.47 (1.16-1.86)	1.84 (1.42-2.46)	2.16 (1.62-2.91)	2.50 (1.81-3.44)	2.87 (1.99-4.05)	3.38 (2.26-4.91)	3.80 (2.46-5.56)
2-hr	0.948 (0.762-1.19)	1.13 (0.905-1.41)	1.46 (1.16-1.83)	1.76 (1.40-2.22)	2.23 (1.73-2.96)	2.62 (1.99-3.51)	3.05 (2.23-4.18)	3.52 (2.47-4.95)	4.19 (2.82-6.04)	4.73 (3.09-6.87)
3-hr	1.04 (0.839-1.29)	1.22 (0.986-1.52)	1.57 (1.26-1.96)	1.90 (1.51-2.38)	2.41 (1.90-3.21)	2.86 (2.18-3.83)	3.35 (2.47-4.59)	3.90 (2.75-5.47)	4.68 (3.18-6.75)	5.33 (3.50-7.71)
6-hr	1.21 (0.980-1.49)	1.40 (1.14-1.73)	1.78 (1.44-2.21)	2.16 (1.74-2.68)	2.76 (2.19-3.65)	3.29 (2.53-4.38)	3.88 (2.88-5.28)	4.53 (3.23-6.34)	5.49 (3.76-7.88)	6.29 (4.17-9.04)
12-hr	1.39 (1.14-1.70)	1.62 (1.33-1.98)	2.06 (1.68-2.53)	2.48 (2.02-3.06)	3.16 (2.53-4.14)	3.76 (2.92-4.96)	4.42 (3.31-5.97)	5.15 (3.70-7.14)	6.22 (4.30-8.85)	7.10 (4.75-10.1)
24-hr	1.61 (1.33-1.95)	1.88 (1.55-2.29)	2.39 (1.97-2.92)	2.88 (2.35-3.52)	3.63 (2.91-4.69)	4.27 (3.34-5.58)	4.98 (3.75-6.66)	5.75 (4.17-7.90)	6.87 (4.78-9.70)	7.79 (5.25-11.1)
2-day	1.86 (1.55-2.24)	2.19 (1.83-2.64)	2.79 (2.31-3.36)	3.33 (2.75-4.04)	4.15 (3.35-5.30)	4.85 (3.81-6.25)	5.59 (4.25-7.39)	6.40 (4.67-8.70)	7.55 (5.30-10.6)	8.49 (5.77-12.0)
3-day	2.04 (1.71-2.45)	2.41 (2.01-2.88)	3.05 (2.54-3.66)	3.63 (3.01-4.38)	4.51 (3.65-5.71)	5.24 (4.14-6.72)	6.03 (4.59-7.92)	6.87 (5.03-9.29)	8.07 (5.69-11.2)	9.04 (6.18-12.7)
4-day	2.20 (1.85-2.62)	2.58 (2.16-3.08)	3.25 (2.72-3.89)	3.86 (3.21-4.63)	4.77 (3.87-6.01)	5.53 (4.38-7.06)	6.34 (4.85-8.31)	7.22 (5.31-9.73)	8.46 (5.98-11.7)	9.46 (6.50-13.2)
7-day	2.60 (2.20-3.08)	3.00 (2.54-3.56)	3.71 (3.13-4.41)	4.36 (3.65-5.20)	5.33 (4.36-6.67)	6.14 (4.89-7.78)	7.00 (5.40-9.11)	7.93 (5.87-10.6)	9.26 (6.59-12.8)	10.3 (7.14-14.4)
10-day	2.96 (2.51-3.48)	3.39 (2.88-4.00)	4.16 (3.52-4.92)	4.85 (4.08-5.76)	5.88 (4.82-7.31)	6.73 (5.38-8.48)	7.63 (5.91-9.88)	8.61 (6.39-11.5)	9.97 (7.13-13.7)	11.1 (7.70-15.4)
20-day	3.95 (3.38-4.61)	4.55 (3.89-5.32)	5.57 (4.75-6.52)	6.44 (5.46-7.58)	7.68 (6.32-9.39)	8.67 (6.97-10.8)	9.69 (7.54-12.4)	10.8 (8.04-14.1)	12.2 (8.79-16.6)	13.3 (9.36-18.4)
30-day	4.75 (4.09-5.51)	5.49 (4.72-6.38)	6.70 (5.74-7.81)	7.72 (6.58-9.04)	9.12 (7.52-11.1)	10.2 (8.24-12.6)	11.3 (8.83-14.3)	12.4 (9.32-16.2)	13.9 (10.1-18.7)	15.0 (10.6-20.6)
45-day	5.73 (4.96-6.62)	6.62 (5.72-7.65)	8.05 (6.93-9.33)	9.21 (7.89-10.7)	10.8 (8.91-12.9)	12.0 (9.68-14.6)	13.1 (10.3-16.5)	14.3 (10.7-18.5)	15.8 (11.4-21.1)	16.9 (12.0-23.0)
60-day	6.56 (5.70-7.55)	7.55 (6.55-8.69)	9.12 (7.88-10.5)	10.4 (8.92-12.0)	12.1 (9.98-14.4)	13.3 (10.8-16.1)	14.5 (11.4-18.1)	15.6 (11.8-20.2)	17.1 (12.5-22.8)	18.2 (12.9-24.8)

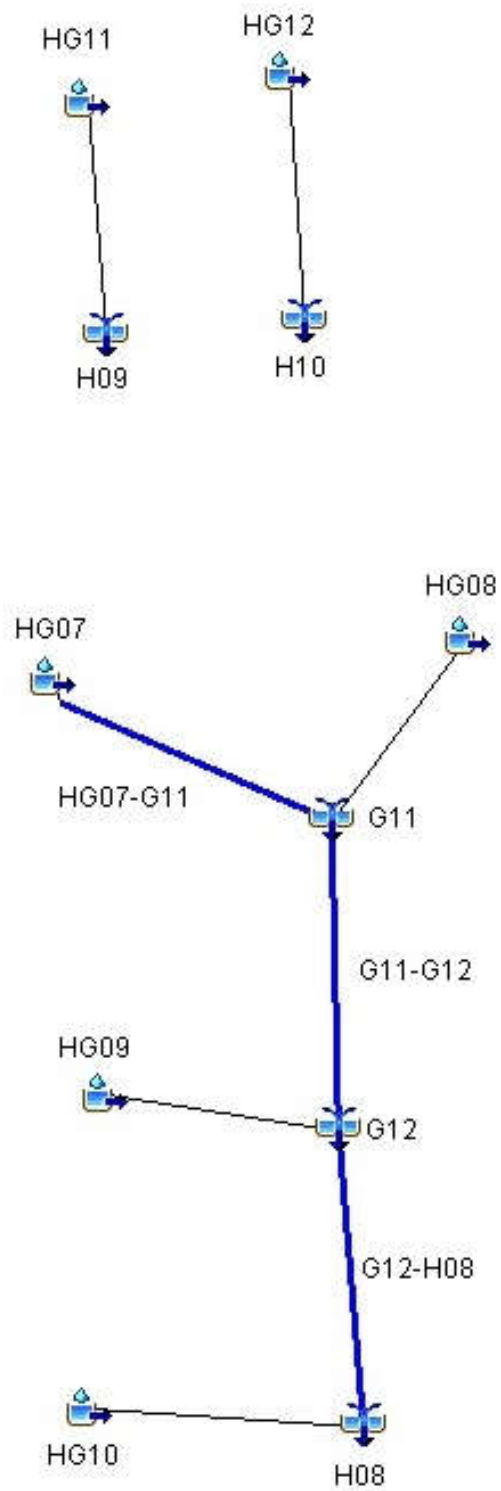
¹ Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS).
Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values.
Please refer to NOAA Atlas 14 document for more information.

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HISTORIC MDDP (100-YEAR)				
HYDROLOGIC ELEMENT	DRAINAGE AREA (SQ. MI.)	DISCHARGE PEAK Q100 (CFS)	TIME OF PEAK	TOTAL VOLUME Q100 (AC. FT.)
OS06	0.1313	81	01Jul2015, 12:12	9.4
OS06-G02	0.1313	79	01Jul2015, 12:24	9.3
OS05	0.0578	40	01Jul2015, 12:12	4.2
OS05-G01	0.0578	38	01Jul2015, 12:12	4.1
HG01	0.0547	33	01Jul2015, 12:12	3.9
G01	0.1125	71	01Jul2015, 12:12	8.0
G01-G02	0.1125	70	01Jul2015, 12:24	7.9
HG02	0.0906	46	01Jul2015, 12:24	6.5
G02	0.3344	194	01Jul2015, 12:24	23.7
G02-G03	0.3344	192	01Jul2015, 12:30	23.4
HG03	0.1828	79	01Jul2015, 12:30	13.1
OS07	0.0328	25	01Jul2015, 12:12	2.6
OS07-G03	0.0328	24	01Jul2015, 12:30	2.5
G03	0.5500	295	01Jul2015, 12:30	38.9
G03-G04	0.5500	286	01Jul2015, 12:30	38.6
OS09	0.1547	92	01Jul2015, 12:24	13.3
OS09-G04	0.1547	91	01Jul2015, 12:30	13.2
HG04	0.0891	40	01Jul2015, 12:30	6.3
HG05	0.1125	50	01Jul2015, 12:30	8.0
OS08	0.0406	36	01Jul2015, 12:12	3.6
OS08-G04	0.0406	34	01Jul2015, 12:30	3.5
G04	0.9469	502	01Jul2015, 12:30	69.6
G04-G05	0.9469	496	01Jul2015, 12:36	69.3
HG06A	0.1375	50	01Jul2015, 12:42	9.7
G05	1.0844	544	01Jul2015, 12:36	79.1
G05-G06	1.0844	530	01Jul2015, 12:36	78.6
HG06B	0.1031	34	01Jul2015, 12:48	7.3
G06	1.1875	561	01Jul2015, 12:36	85.9
HG07	0.0984	47	01Jul2015, 12:24	7.0
HG07-G11	0.0984	47	01Jul2015, 12:30	7.0
HG08	0.1328	73	01Jul2015, 12:18	9.5
G11	0.2312	115	01Jul2015, 12:24	16.5
G11-G12	0.2312	114	01Jul2015, 12:30	16.3
HG09	0.1781	73	01Jul2015, 12:30	12.7
G12	0.4093	187	01Jul2015, 12:30	29.0
G12-H08	0.4093	183	01Jul2015, 12:36	28.3
HG10	0.1375	39	01Jul2015, 13:06	9.6
H08	0.5468	216	01Jul2015, 12:42	38.0
HG14	0.2297	81	01Jul2015, 12:42	16.2
HG13	0.0844	55	01Jul2015, 12:18	6.7
G07	0.0844	55	01Jul2015, 12:18	6.7
G07-G08	0.0844	54	01Jul2015, 12:18	6.6
G08	0.3141	119	01Jul2015, 12:30	22.9
HG15	0.2563	70	01Jul2015, 13:06	17.9
H13	0.2563	70	01Jul2015, 13:06	17.9
HG11	0.2047	77	01Jul2015, 12:36	14.5
H09	0.2047	77	01Jul2015, 12:36	14.5
HG12	0.1297	57	01Jul2015, 12:30	9.2
H10	0.1297	57	01Jul2015, 12:30	9.2

Highlighted green rows reference key design points (Typical all charts this section)

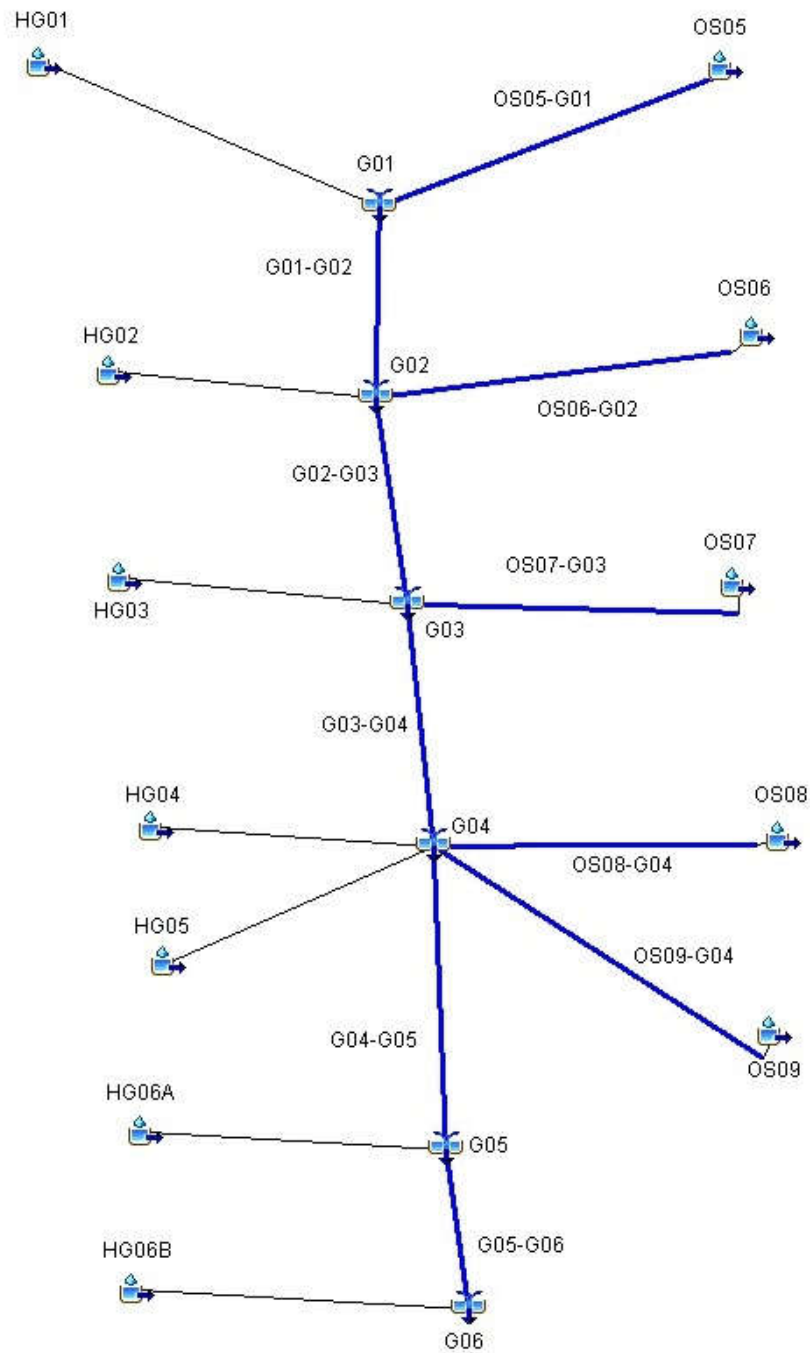
HAEGLER HISTORIC



HISTORIC MDDP (50-YEAR)				
HYDROLOGIC ELEMENT	DRAINAGE AREA (SQ. MI.)	DISCHARGE PEAK Q50 (CFS)	TIME OF PEAK	TOTAL VOLUME Q50 (AC. FT.)
OS06	0.1313	53	01Jul2015, 12:12	6.6
OS06-G02	0.1313	52	01Jul2015, 12:24	6.5
OS05	0.0578	26	01Jul2015, 12:12	2.9
OS05-G01	0.0578	26	01Jul2015, 12:18	2.9
HG01	0.0547	21	01Jul2015, 12:18	2.8
G01	0.1125	47	01Jul2015, 12:18	5.6
G01-G02	0.1125	47	01Jul2015, 12:24	5.5
HG02	0.0906	30	01Jul2015, 12:24	4.5
G02	0.3344	129	01Jul2015, 12:24	16.6
G02-G03	0.3344	127	01Jul2015, 12:30	16.3
HG03	0.1828	51	01Jul2015, 12:30	9.2
OS07	0.0328	17	01Jul2015, 12:12	1.9
OS07-G03	0.0328	17	01Jul2015, 12:30	1.8
G03	0.5500	195	01Jul2015, 12:30	27.3
G03-G04	0.5500	192	01Jul2015, 12:36	27.0
OS09	0.1547	64	01Jul2015, 12:24	9.7
OS09-G04	0.1547	63	01Jul2015, 12:36	9.5
HG04	0.0891	27	01Jul2015, 12:30	4.5
HG05	0.1125	33	01Jul2015, 12:30	5.6
OS08	0.0406	25	01Jul2015, 12:12	2.6
OS08-G04	0.0406	24	01Jul2015, 12:36	2.5
G04	0.9469	336	01Jul2015, 12:36	49.1
G04-G05	0.9469	322	01Jul2015, 12:42	48.9
HG06A	0.1375	33	01Jul2015, 12:42	6.8
G05	1.0844	355	01Jul2015, 12:42	55.7
G05-G06	1.0844	353	01Jul2015, 12:42	55.3
HG06B	0.1031	22	01Jul2015, 12:54	5.1
G06	1.1875	375	01Jul2015, 12:42	60.4
HG07	0.0984	31	01Jul2015, 12:24	4.9
HG07-G11	0.0984	31	01Jul2015, 12:30	4.9
HG08	0.1328	48	01Jul2015, 12:18	6.7
G11	0.2312	75	01Jul2015, 12:24	11.6
G11-G12	0.2312	75	01Jul2015, 12:30	11.4
HG09	0.1781	48	01Jul2015, 12:36	8.9
G12	0.4093	122	01Jul2015, 12:30	20.3
G12-H08	0.4093	121	01Jul2015, 12:42	19.8
HG10	0.1375	26	01Jul2015, 13:06	6.7
H08	0.5468	142	01Jul2015, 12:42	26.6
HG14	0.2297	53	01Jul2015, 12:48	11.4
HG13	0.0844	37	01Jul2015, 12:18	4.8
G07	0.0844	37	01Jul2015, 12:18	4.8
G07-G08	0.0844	37	01Jul2015, 12:24	4.7
G08	0.3141	78	01Jul2015, 12:30	16.1
HG15	0.2563	46	01Jul2015, 13:12	12.5
H13	0.2563	46	01Jul2015, 13:12	12.5
HG11	0.2047	51	01Jul2015, 12:42	10.2
H09	0.2047	51	01Jul2015, 12:42	10.2
HG12	0.1297	38	01Jul2015, 12:30	6.5
H10	0.1297	38	01Jul2015, 12:30	6.5

Highlighted green rows reference key design points (Typical all charts this section)

GIECK. HISTORIC



HISTORIC MDDP (25-YEAR)				
HYDROLOGIC ELEMENT	DRAINAGE AREA (SQ. MI.)	DISCHARGE PEAK Q25 (CFS)	TIME OF PEAK	TOTAL VOLUME Q25 (AC. FT.)
OS06	0.1313	31	01Jul2015, 12:18	4.4
OS06-G02	0.1313	31	01Jul2015, 12:24	4.3
OS05	0.0578	16	01Jul2015, 12:12	1.9
OS05-G01	0.0578	16	01Jul2015, 12:18	1.9
HG01	0.0547	13	01Jul2015, 12:18	1.8
G01	0.1125	28	01Jul2015, 12:18	3.7
G01-G02	0.1125	27	01Jul2015, 12:24	3.7
HG02	0.0906	18	01Jul2015, 12:24	3.0
G02	0.3344	76	01Jul2015, 12:24	11.0
G02-G03	0.3344	75	01Jul2015, 12:36	10.7
HG03	0.1828	31	01Jul2015, 12:36	6.1
OS07	0.0328	11	01Jul2015, 12:12	1.3
OS07-G03	0.0328	9.9	01Jul2015, 12:36	1.2
G03	0.5500	115	01Jul2015, 12:36	18.0
G03-G04	0.5500	113	01Jul2015, 12:42	17.8
OS09	0.1547	41	01Jul2015, 12:30	6.7
OS09-G04	0.1547	41	01Jul2015, 12:36	6.5
HG04	0.0891	16	01Jul2015, 12:30	2.9
HG05	0.1125	19	01Jul2015, 12:30	3.7
OS08	0.0406	17	01Jul2015, 12:12	1.8
OS08-G04	0.0406	15	01Jul2015, 12:42	1.8
G04	0.9469	200	01Jul2015, 12:42	32.8
G04-G05	0.9469	193	01Jul2015, 12:42	32.6
HG06A	0.1375	20	01Jul2015, 12:48	4.5
G05	1.0844	212	01Jul2015, 12:42	37.1
G05-G06	1.0844	211	01Jul2015, 12:48	36.8
HG06B	0.1031	13	01Jul2015, 12:54	3.4
G06	1.1875	225	01Jul2015, 12:48	40.2
HG07	0.0984	18	01Jul2015, 12:30	3.3
HG07-G11	0.0984	18	01Jul2015, 12:30	3.2
HG08	0.1328	28	01Jul2015, 12:18	4.4
G11	0.2312	44	01Jul2015, 12:24	7.6
G11-G12	0.2312	44	01Jul2015, 12:30	7.5
HG09	0.1781	29	01Jul2015, 12:36	5.9
G12	0.4093	72	01Jul2015, 12:36	13.4
G12-H08	0.4093	71	01Jul2015, 12:48	13.0
HG10	0.1375	16	01Jul2015, 13:06	4.5
H08	0.5468	85	01Jul2015, 12:48	17.5
HG14	0.2297	32	01Jul2015, 12:48	7.5
HG13	0.0844	23	01Jul2015, 12:18	3.2
G07	0.0844	23	01Jul2015, 12:18	3.2
G07-G08	0.0844	23	01Jul2015, 12:24	3.2
G08	0.3141	48	01Jul2015, 12:36	10.7
HG15	0.2563	28	01Jul2015, 13:12	8.3
H13	0.2563	28	01Jul2015, 13:12	8.3
HG11	0.2047	30	01Jul2015, 12:42	6.7
H09	0.2047	30	01Jul2015, 12:42	6.7
HG12	0.1297	22	01Jul2015, 12:30	4.3
H10	0.1297	22	01Jul2015, 12:30	4.3

Highlighted green rows reference key design points (Typical all charts this section)

HISTORIC MDDP (10-YEAR)				
HYDROLOGIC ELEMENT	DRAINAGE AREA (SQ. MI.)	DISCHARGE PEAK Q10 (CFS)	TIME OF PEAK	TOTAL VOLUME Q10 (AC. FT.)
OS06	0.1313	12	01Jul2015, 12:18	2.2
OS06-G02	0.1313	12	01Jul2015, 12:30	2.2
OS05	0.0578	5.9	01Jul2015, 12:12	1.0
OS05-G01	0.0578	5.7	01Jul2015, 12:24	1.0
HG01	0.0547	4.8	01Jul2015, 12:18	0.9
G01	0.1125	10	01Jul2015, 12:18	1.9
G01-G02	0.1125	10	01Jul2015, 12:36	1.8
HG02	0.0906	6.9	01Jul2015, 12:30	1.5
G02	0.3344	28	01Jul2015, 12:30	5.5
G02-G03	0.3344	28	01Jul2015, 12:48	5.4
HG03	0.1828	12	01Jul2015, 12:36	3.1
OS07	0.0328	4.6	01Jul2015, 12:12	0.7
OS07-G03	0.0328	4.4	01Jul2015, 12:42	0.7
G03	0.5500	44	01Jul2015, 12:48	9.1
G03-G04	0.5500	43	01Jul2015, 12:54	9.0
OS09	0.1547	19	01Jul2015, 12:30	3.7
OS09-G04	0.1547	19	01Jul2015, 12:42	3.6
HG04	0.0891	6.1	01Jul2015, 12:36	1.5
HG05	0.1125	7.6	01Jul2015, 12:36	1.9
OS08	0.0406	7.9	01Jul2015, 12:12	1.0
OS08-G04	0.0406	7.6	01Jul2015, 12:48	1.0
G04	0.9469	78	01Jul2015, 12:48	17.0
G04-G05	0.9469	78	01Jul2015, 12:54	16.8
HG06A	0.1375	7.8	01Jul2015, 12:54	2.3
G05	1.0844	86	01Jul2015, 12:54	19.1
G05-G06	1.0844	86	01Jul2015, 13:00	18.9
HG06B	0.1031	5.4	01Jul2015, 13:00	1.7
G06	1.1875	91	01Jul2015, 13:00	20.6
HG07	0.0984	7.1	01Jul2015, 12:30	1.6
HG07-G11	0.0984	7.0	01Jul2015, 12:36	1.6
HG08	0.1328	11	01Jul2015, 12:24	2.2
G11	0.2312	17	01Jul2015, 12:30	3.9
G11-G12	0.2312	17	01Jul2015, 12:42	3.8
HG09	0.1781	11	01Jul2015, 12:42	3.0
G12	0.4093	28	01Jul2015, 12:42	6.8
G12-H08	0.4093	28	01Jul2015, 13:00	6.5
HG10	0.1375	6.5	01Jul2015, 13:18	2.2
H08	0.5468	34	01Jul2015, 13:00	8.8
HG14	0.2297	13	01Jul2015, 12:54	3.8
HG13	0.0844	9.8	01Jul2015, 12:18	1.7
G07	0.0844	9.8	01Jul2015, 12:18	1.7
G07-G08	0.0844	9.7	01Jul2015, 12:30	1.7
G08	0.3141	20	01Jul2015, 12:36	5.5
HG15	0.2563	12	01Jul2015, 13:24	4.2
H13	0.2563	12	01Jul2015, 13:24	4.2
HG11	0.2047	12	01Jul2015, 12:48	3.4
H09	0.2047	12	01Jul2015, 12:48	3.4
HG12	0.1297	8.7	01Jul2015, 12:36	2.2
H10	0.1297	8.7	01Jul2015, 12:36	2.2

Highlighted green rows reference key design points (Typical all charts this section)

HISTORIC MDDP (5-YEAR)				
HYDROLOGIC ELEMENT	DRAINAGE AREA (SQ. MI.)	DISCHARGE PEAK Q5 (CFS)	TIME OF PEAK	TOTAL VOLUME Q5 (AC. FT.)
OS06	0.1313	3.9	01Jul2015, 12:24	1.1
OS06-G02	0.1313	3.8	01Jul2015, 12:42	1.1
OS05	0.0578	1.8	01Jul2015, 12:18	0.5
OS05-G01	0.0578	1.8	01Jul2015, 12:30	0.5
HG01	0.0547	1.6	01Jul2015, 12:24	0.5
G01	0.1125	3.3	01Jul2015, 12:30	1.0
G01-G02	0.1125	3.3	01Jul2015, 12:42	0.9
HG02	0.0906	2.4	01Jul2015, 12:36	0.8
G02	0.3344	9.4	01Jul2015, 12:42	2.8
G02-G03	0.3344	9.3	01Jul2015, 13:00	2.7
HG03	0.1828	4.4	01Jul2015, 12:48	1.6
OS07	0.0328	1.7	01Jul2015, 12:18	0.4
OS07-G03	0.0328	1.7	01Jul2015, 13:00	0.4
G03	0.5500	15	01Jul2015, 13:00	4.7
G03-G04	0.5500	15	01Jul2015, 13:12	4.5
OS09	0.1547	8.5	01Jul2015, 12:36	2.1
OS09-G04	0.1547	8.5	01Jul2015, 12:48	2.0
HG04	0.0891	2.2	01Jul2015, 12:42	0.8
HG05	0.1125	2.7	01Jul2015, 12:42	1.0
OS08	0.0406	3.5	01Jul2015, 12:12	0.6
OS08-G04	0.0406	3.5	01Jul2015, 13:00	0.6
G04	0.9469	28	01Jul2015, 13:12	8.9
G04-G05	0.9469	28	01Jul2015, 13:18	8.8
HG06A	0.1375	2.9	01Jul2015, 13:00	1.2
G05	1.0844	31	01Jul2015, 13:18	9.9
G05-G06	1.0844	31	01Jul2015, 13:24	9.8
HG06B	0.1031	2.1	01Jul2015, 13:12	0.9
G06	1.1875	33	01Jul2015, 13:24	10.6
HG07	0.0984	2.4	01Jul2015, 12:42	0.8
HG07-G11	0.0984	2.4	01Jul2015, 12:48	0.8
HG08	0.1328	3.6	01Jul2015, 12:30	1.1
G11	0.2312	5.7	01Jul2015, 12:42	2.0
G11-G12	0.2312	5.6	01Jul2015, 12:54	1.9
HG09	0.1781	4.1	01Jul2015, 12:48	1.5
G12	0.4093	9.7	01Jul2015, 12:54	3.4
G12-H08	0.4093	9.7	01Jul2015, 13:18	3.3
HG10	0.1375	2.6	01Jul2015, 13:30	1.1
H08	0.5468	12	01Jul2015, 13:18	4.4
HG14	0.2297	4.8	01Jul2015, 13:06	1.9
HG13	0.0844	3.9	01Jul2015, 12:24	0.9
G07	0.0844	3.9	01Jul2015, 12:24	0.9
G07-G08	0.0844	3.8	01Jul2015, 12:36	0.9
G08	0.3141	7.6	01Jul2015, 12:54	2.8
HG15	0.2563	4.7	01Jul2015, 13:36	2.1
H13	0.2563	4.7	01Jul2015, 13:36	2.1
HG11	0.2047	4.5	01Jul2015, 13:00	1.7
H09	0.2047	4.5	01Jul2015, 13:00	1.7
HG12	0.1297	3.1	01Jul2015, 12:42	1.1
H10	0.1297	3.1	01Jul2015, 12:42	1.1

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HISTORIC MDDP (2-YEAR)				
HYDROLOGIC ELEMENT	DRAINAGE AREA (SQ. MI.)	DISCHARGE PEAK Q2 (CFS)	TIME OF PEAK	TOTAL VOLUME Q2 (AC. FT.)
OS06	0.1313	0.5	01Jul2015, 13:30	0.4
OS06-G02	0.1313	0.5	01Jul2015, 14:00	0.3
OS05	0.0578	0.2	01Jul2015, 13:18	0.2
OS05-G01	0.0578	0.2	01Jul2015, 13:36	0.2
HG01	0.0547	0.2	01Jul2015, 13:30	0.1
G01	0.1125	0.5	01Jul2015, 13:36	0.3
G01-G02	0.1125	0.5	01Jul2015, 14:00	0.3
HG02	0.0906	0.4	01Jul2015, 13:42	0.2
G02	0.3344	1.4	01Jul2015, 13:54	0.9
G02-G03	0.3344	1.4	01Jul2015, 14:30	0.8
HG03	0.1828	0.8	01Jul2015, 13:48	0.5
OS07	0.0328	0.3	01Jul2015, 12:54	0.1
OS07-G03	0.0328	0.3	01Jul2015, 14:12	0.1
G03	0.5500	2.4	01Jul2015, 14:18	1.4
G03-G04	0.5500	2.4	01Jul2015, 14:36	1.3
OS09	0.1547	2.0	01Jul2015, 12:54	0.8
OS09-G04	0.1547	2.0	01Jul2015, 13:18	0.8
HG04	0.0891	0.4	01Jul2015, 13:48	0.2
HG05	0.1125	0.5	01Jul2015, 13:48	0.3
OS08	0.0406	0.8	01Jul2015, 12:24	0.2
OS08-G04	0.0406	0.8	01Jul2015, 13:36	0.2
G04	0.9469	4.9	01Jul2015, 14:30	2.9
G04-G05	0.9469	4.9	01Jul2015, 14:42	2.8
HG06A	0.1375	0.5	01Jul2015, 14:12	0.4
G05	1.0844	5.4	01Jul2015, 14:42	3.2
G05-G06	1.0844	5.4	01Jul2015, 14:54	3.1
HG06B	0.1031	0.4	01Jul2015, 14:24	0.3
G06	1.1875	5.8	01Jul2015, 14:54	3.4
HG07	0.0984	0.4	01Jul2015, 13:42	0.3
HG07-G11	0.0984	0.4	01Jul2015, 14:00	0.3
HG08	0.1328	0.5	01Jul2015, 13:36	0.4
G11	0.2312	0.9	01Jul2015, 13:48	0.6
G11-G12	0.2312	0.9	01Jul2015, 14:12	0.6
HG09	0.1781	0.7	01Jul2015, 13:54	0.5
G12	0.4093	1.6	01Jul2015, 14:06	1.0
G12-H08	0.4093	1.6	01Jul2015, 14:54	0.9
HG10	0.1375	0.5	01Jul2015, 14:42	0.3
H08	0.5468	2.1	01Jul2015, 14:48	1.3
HG14	0.2297	0.9	01Jul2015, 14:18	0.6
HG13	0.0844	0.7	01Jul2015, 13:00	0.3
G07	0.0844	0.7	01Jul2015, 13:00	0.3
G07-G08	0.0844	0.7	01Jul2015, 13:18	0.3
G08	0.3141	1.5	01Jul2015, 13:54	0.9
HG15	0.2563	0.9	01Jul2015, 14:48	0.6
H13	0.2563	0.9	01Jul2015, 14:48	0.6
HG11	0.2047	0.8	01Jul2015, 14:06	0.5
H09	0.2047	0.8	01Jul2015, 14:06	0.5
HG12	0.1297	0.5	01Jul2015, 13:48	0.3
H10	0.1297	0.5	01Jul2015, 13:48	0.3

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INTERIM MDDP (100-YEAR)				
HYDROLOGIC ELEMENT	DRAINAGE AREA (SQ. MI.)	PEAK DISCHARGE Q100 (CFS)	TIME OF PEAK	TOTAL VOLUME Q100 (AC. FT.)
FG10A	0.0806	111	01Jul2015, 12:06	9.5
FG08A	0.0750	116	01Jul2015, 12:06	10.2
FG08A-G05	0.0750	110	01Jul2015, 12:12	10.2
FG08B	0.0630	86	01Jul2015, 12:12	8.5
FG08B-G05	0.0630	84	01Jul2015, 12:12	8.5
FG11	0.0625	75	01Jul2015, 12:18	8.9
FG09	0.0484	48	01Jul2015, 12:12	5.5
FG09-G05	0.0484	48	01Jul2015, 12:18	5.5
FG10B	0.0416	42	01Jul2015, 12:12	4.7
G05	0.3711	451	01Jul2015, 12:12	47.1
FG13	0.0534	34	01Jul2015, 12:24	4.8
FG12	0.0328	50	01Jul2015, 12:12	5.0
POND D IN	0.4573	527	01Jul2015, 12:12	56.9
POND D	0.4573	133	01Jul2015, 12:54	46.2
POND D-G17	0.4573	133	01Jul2015, 13:00	46.1
FG15	0.0103	15	01Jul2015, 12:06	1.5
FG15-G17A	0.0103	15	01Jul2015, 12:12	1.5
G17	0.5676	158	01Jul2015, 12:42	58.3
FG16	0.0791	133	01Jul2015, 12:06	11.5
G18	0.6467	276	01Jul2015, 12:06	69.8
G18-POND E	0.6467	270	01Jul2015, 12:12	69.7
FG31	0.0922	116	01Jul2015, 12:18	13.9
FG30	0.0389	30	01Jul2015, 12:06	2.8
FG30-PONDHS	0.0389	28	01Jul2015, 12:18	2.7
POND HS	0.1311	112	01Jul2015, 12:30	16.6
FG17a	0.0694	101	01Jul2015, 12:06	9.4
FG17a-POND E	0.0694	99	01Jul2015, 12:06	9.4
FG18	0.0644	56	01Jul2015, 12:24	7.8
FG18-POND E	0.0644	56	01Jul2015, 12:24	7.8
FG19	0.0527	84	01Jul2015, 12:06	8.1
FG17c	0.0313	31	01Jul2015, 12:06	2.7
FG17b	0.0214	39	01Jul2015, 12:06	3.2
POND E IN	1.0170	589	01Jul2015, 12:12	117.4
POND E	1.0170	221	01Jul2015, 13:36	92.7
H08	1.0170	190	01Jul2015, 13:36	81.3
FG20	0.0109	28	01Jul2015, 12:06	2.4
H08A	1.0279	192	01Jul2015, 13:36	83.7
H09	0.0000	30	01Jul2015, 13:36	11.4

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INTERIM MDDP (50-YEAR)				
HYDROLOGIC ELEMENT	DRAINAGE AREA (SQ. MI.)	PEAK DISCHARGE Q50 (CFS)	TIME OF PEAK	TOTAL VOLUME Q50 (AC. FT.)
FG10A	0.0806	83	01Jul2015, 12:06	7.2
FG08A	0.0750	90	01Jul2015, 12:06	7.9
FG08A-G05	0.0750	86	01Jul2015, 12:12	7.9
FG08B	0.0630	67	01Jul2015, 12:12	6.6
FG08B-G05	0.0630	65	01Jul2015, 12:12	6.6
FG11	0.0625	59	01Jul2015, 12:18	7.0
FG09	0.0484	36	01Jul2015, 12:12	4.1
FG09-G05	0.0484	36	01Jul2015, 12:18	4.1
FG10B	0.0416	31	01Jul2015, 12:12	3.5
G05	0.3711	345	01Jul2015, 12:12	36.3
FG13	0.0534	24	01Jul2015, 12:24	3.5
FG12	0.0328	40	01Jul2015, 12:12	3.9
POND D IN	0.4573	402	01Jul2015, 12:12	43.7
POND D	0.4573	89	01Jul2015, 13:06	34.0
POND D-G17	0.4573	89	01Jul2015, 13:06	34.0
FG15	0.0103	12	01Jul2015, 12:12	1.2
FG15-G17A	0.0103	12	01Jul2015, 12:12	1.2
G17	0.5676	109	01Jul2015, 12:06	43.2
FG16	0.0791	104	01Jul2015, 12:06	9.0
G18	0.6467	207	01Jul2015, 12:06	52.2
G18-POND E	0.6467	201	01Jul2015, 12:12	52.2
FG31	0.0922	92	01Jul2015, 12:18	11.0
FG30	0.0389	20.0	01Jul2015, 12:06	1.9
FG30-PONDHS	0.0389	19	01Jul2015, 12:18	1.9
POND HS	0.1311	63	01Jul2015, 12:36	12.9
FG17a	0.0694	78	01Jul2015, 12:06	7.3
FG17a-POND E	0.0694	76	01Jul2015, 12:06	7.3
FG18	0.0644	42	01Jul2015, 12:24	5.9
FG18-POND E	0.0644	42	01Jul2015, 12:24	5.9
FG19	0.0527	66	01Jul2015, 12:06	6.4
FG17c	0.0313	22	01Jul2015, 12:06	2.0
FG17b	0.0214	31	01Jul2015, 12:06	2.6
POND E IN	1.0170	448	01Jul2015, 12:12	89.1
POND E	1.0170	135	01Jul2015, 14:06	65.2
H08	1.0170	122	01Jul2015, 14:06	57.2
FG20	0.0109	23	01Jul2015, 12:06	2.0
H08A	1.0279	123.2	01Jul2015, 14:06	59.2
H09	0.0000	13	01Jul2015, 14:06	8.0

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INTERIM MDDP (25-YEAR)				
HYDROLOGIC ELEMENT	DRAINAGE AREA (SQ. MI.)	PEAK DISCHARGE Q25 (CFS)	TIME OF PEAK	TOTAL VOLUME Q25 (AC. FT.)
FG10A	0.0806	59	01Jul2015, 12:06	5.2
FG08A	0.0750	66	01Jul2015, 12:06	5.9
FG08A-G05	0.0750	64	01Jul2015, 12:12	5.9
FG08B	0.0630	49	01Jul2015, 12:12	5.0
FG08B-G05	0.0630	48	01Jul2015, 12:12	4.9
FG11	0.0625	44	01Jul2015, 12:18	5.2
FG09	0.0484	25	01Jul2015, 12:18	3.0
FG09-G05	0.0484	25	01Jul2015, 12:18	3.0
FG10B	0.0416	22	01Jul2015, 12:12	2.5
G05	0.3711	251	01Jul2015, 12:12	26.8
FG13	0.0534	15	01Jul2015, 12:24	2.4
FG12	0.0328	30	01Jul2015, 12:12	3.0
POND D IN	0.4573	292	01Jul2015, 12:12	32.2
POND D	0.4573	48	01Jul2015, 13:24	23.7
POND D-G17	0.4573	48	01Jul2015, 13:24	23.7
FG15	0.0103	9	01Jul2015, 12:12	0.9
FG15-G17A	0.0103	9	01Jul2015, 12:12	0.9
G17	0.5676	73	01Jul2015, 12:12	30.3
FG16	0.0791	78	01Jul2015, 12:06	6.8
G18	0.6467	147	01Jul2015, 12:06	37.1
G18-POND E	0.6467	144	01Jul2015, 12:12	37.1
FG31	0.0922	69	01Jul2015, 12:18	8.4
FG30	0.0389	11.5	01Jul2015, 12:06	1.3
FG30-PONDHS	0.0389	11	01Jul2015, 12:18	1.3
POND HS	0.1311	40	01Jul2015, 12:42	9.6
FG17a	0.0694	57	01Jul2015, 12:06	5.4
FG17a-POND E	0.0694	56	01Jul2015, 12:12	5.4
FG18	0.0644	30	01Jul2015, 12:24	4.3
FG18-POND E	0.0644	30	01Jul2015, 12:24	4.3
FG19	0.0527	50	01Jul2015, 12:06	4.9
FG17c	0.0313	14	01Jul2015, 12:06	1.4
FG17b	0.0214	24	01Jul2015, 12:06	1.9
POND E IN	1.0170	325	01Jul2015, 12:12	64.6
POND E	1.0170	67	01Jul2015, 14:48	41.8
H08	1.0170	59	01Jul2015, 14:48	35.4
FG20	0.0109	19	01Jul2015, 12:06	1.6
H08A	1.0279	60.1	01Jul2015, 14:48	37.1
H09	0.0000	8	01Jul2015, 14:48	6.4

Highlighted green rows reference key design points (Typical all charts this section)

INTERIM MDDP (10-YEAR)				
HYDROLOGIC ELEMENT	DRAINAGE AREA (SQ. MI.)	PEAK DISCHARGE Q10 (CFS)	TIME OF PEAK	TOTAL VOLUME Q10 (AC. FT.)
FG10A	0.0806	34	01Jul2015, 12:06	3.2
FG08A	0.0750	41	01Jul2015, 12:06	3.8
FG08A-G05	0.0750	41	01Jul2015, 12:12	3.8
FG08B	0.0630	31	01Jul2015, 12:12	3.2
FG08B-G05	0.0630	29	01Jul2015, 12:18	3.2
FG11	0.0625	28	01Jul2015, 12:18	3.4
FG09	0.0484	14	01Jul2015, 12:18	1.8
FG09-G05	0.0484	14	01Jul2015, 12:18	1.8
FG10B	0.0416	12	01Jul2015, 12:18	1.5
G05	0.3711	152	01Jul2015, 12:12	17.0
FG13	0.0534	7	01Jul2015, 12:30	1.4
FG12	0.0328	20	01Jul2015, 12:12	2.0
POND D IN	0.4573	176	01Jul2015, 12:12	20.3
POND D	0.4573	18	01Jul2015, 14:24	13.8
POND D-G17	0.4573	18	01Jul2015, 14:30	13.8
FG15	0.0103	6	01Jul2015, 12:12	0.6
FG15-G17A	0.0103	6	01Jul2015, 12:12	0.6
G17	0.5676	41	01Jul2015, 12:06	17.8
FG16	0.0791	50	01Jul2015, 12:06	4.5
G18	0.6467	87	01Jul2015, 12:06	22.3
G18-POND E	0.6467	87	01Jul2015, 12:12	22.3
FG31	0.0922	45	01Jul2015, 12:18	5.6
FG30	0.0389	4	01Jul2015, 12:12	0.7
FG30-PONDHS	0.0389	4.2	01Jul2015, 12:24	0.6
POND HS	0.1311	28	01Jul2015, 12:42	6.2
FG17a	0.0694	35	01Jul2015, 12:06	3.5
FG17a-POND E	0.0694	35.1	01Jul2015, 12:12	3.5
FG18	0.0644	18	01Jul2015, 12:24	2.7
FG18-POND E	0.0644	17	01Jul2015, 12:30	2.7
FG19	0.0527	33	01Jul2015, 12:12	3.3
FG17c	0.0313	7	01Jul2015, 12:06	0.8
FG17b	0.0214	16	01Jul2015, 12:06	1.3
POND E IN	1.0170	198.8	01Jul2015, 12:12	40.0
POND E	1.0170	24.6	01Jul2015, 18:54	19.8
H08	1.0170	19	01Jul2015, 18:54	15.2
FG20	0.0109	15	01Jul2015, 12:06	1.2
H08A	1.0279	19.5	01Jul2015, 19:00	16.4
H09	0.0000	5	01Jul2015, 18:54	4.6

Highlighted green rows reference key design points (Typical all charts this section)

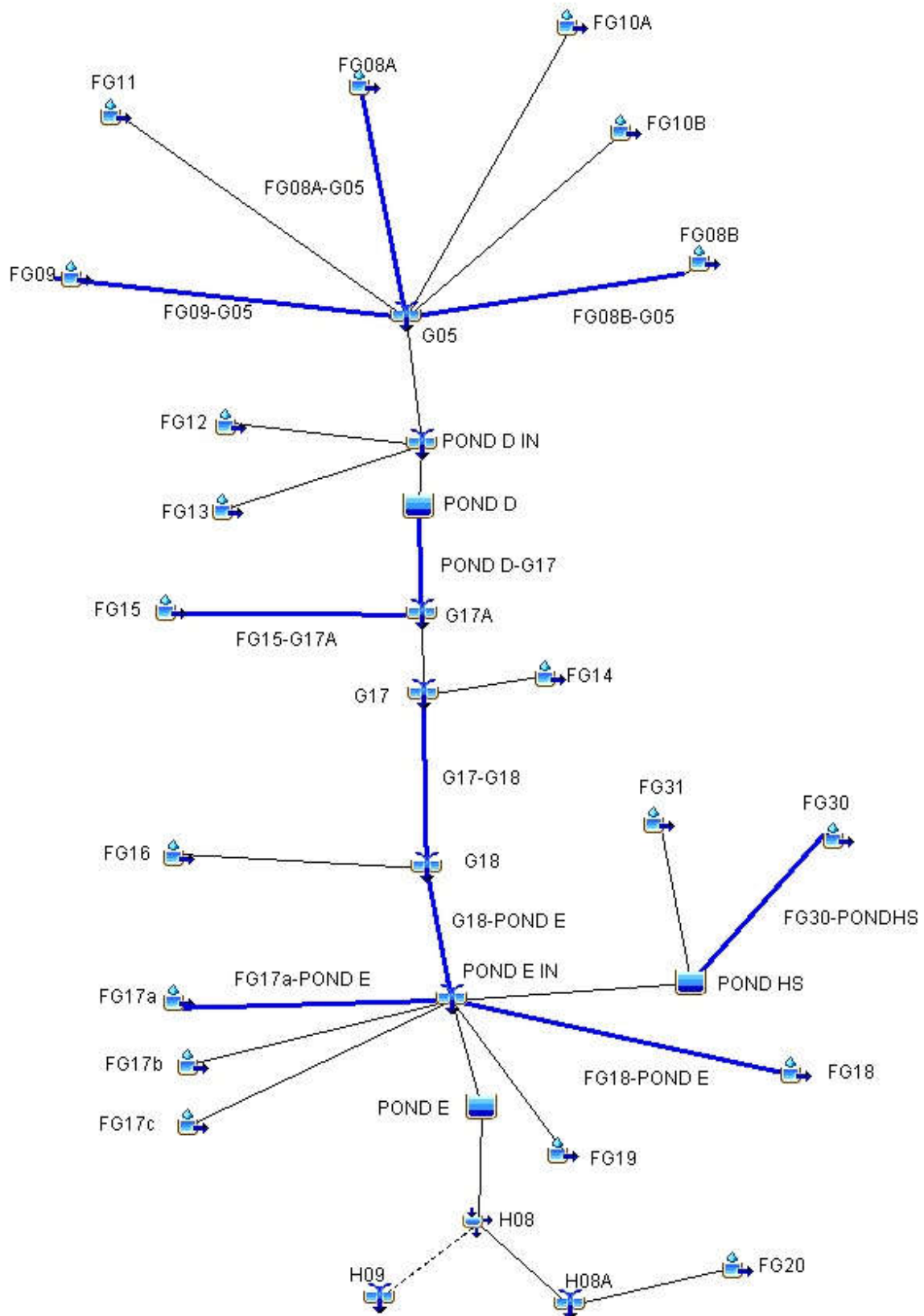
INTERIM MDDP (5-YEAR)				
HYDROLOGIC ELEMENT	DRAINAGE AREA (SQ. MI.)	PEAK DISCHARGE Q5 (CFS)	TIME OF PEAK	TOTAL VOLUME Q5 (AC. FT.)
FG10A	0.0806	20.2	01Jul2015, 12:06	2.1
FG08A	0.0750	26.8	01Jul2015, 12:06	2.6
FG08A-G05	0.0750	26.5	01Jul2015, 12:12	2.6
FG08B	0.0630	20.1	01Jul2015, 12:12	2.2
FG08B-G05	0.0630	19.5	01Jul2015, 12:18	2.2
FG11	0.0625	18.6	01Jul2015, 12:18	2.4
FG09	0.0484	8.3	01Jul2015, 12:18	1.2
FG09-G05	0.0484	8.0	01Jul2015, 12:24	1.2
FG10B	0.0416	7.0	01Jul2015, 12:18	1.0
G05	0.3711	94.5	01Jul2015, 12:12	11.4
FG13	0.0534	4	01Jul2015, 12:30	0.8
FG12	0.0328	14	01Jul2015, 12:12	1.4
POND D IN	0.4573	110.1	01Jul2015, 12:12	13.6
POND D	0.4573	10.8	01Jul2015, 14:48	8.2
POND D-G17	0.4573	11	01Jul2015, 14:48	8.1
FG15	0.0103	4	01Jul2015, 12:12	0.4
FG15-G17A	0.0103	3.9	01Jul2015, 12:12	0.4
G17	0.5676	23.6	01Jul2015, 12:12	10.7
FG16	0.0791	33.9	01Jul2015, 12:06	3.1
G18	0.6467	54.7	01Jul2015, 12:12	13.8
G18-POND E	0.6467	54.4	01Jul2015, 12:12	13.8
FG31	0.0922	31.0	01Jul2015, 12:18	3.9
FG30	0.0389	1.3	01Jul2015, 12:12	0.3
FG30-PONDHS	0.0389	1.2	01Jul2015, 12:36	0.3
POND HS	0.1311	18.8	01Jul2015, 12:42	4.3
FG17a	0.0694	23.0	01Jul2015, 12:12	2.4
FG17a-POND E	0.0694	22.9	01Jul2015, 12:12	2.4
FG18	0.0644	10.6	01Jul2015, 12:30	1.8
FG18-POND E	0.0644	10.6	01Jul2015, 12:30	1.8
FG19	0.0527	22.9	01Jul2015, 12:12	2.3
FG17c	0.0313	2.9	01Jul2015, 12:12	0.4
FG17b	0.0214	10.8	01Jul2015, 12:06	0.9
POND E IN	1.0170	127.2	01Jul2015, 12:12	25.8
POND E	1.0170	12.2	01Jul2015, 22:30	9.6
H08	1.0170	9	01Jul2015, 22:30	6.7
FG20	0.0109	12	01Jul2015, 12:06	1.0
H08A	1.0279	11.9	01Jul2015, 12:06	7.6
H09	0.0000	4	01Jul2015, 22:30	3.0

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INTERIM MDDP (2-YEAR)				
HYDROLOGIC ELEMENT	DRAINAGE AREA (SQ. MI.)	PEAK DISCHARGE Q2 (CFS)	TIME OF PEAK	TOTAL VOLUME Q2 (AC. FT.)
FG10A	0.0806	8.3	01Jul2015, 12:12	1.1
FG08A	0.0750	13.4	01Jul2015, 12:12	1.5
FG08A-G05	0.0750	13.1	01Jul2015, 12:18	1.5
FG08B	0.0630	10.2	01Jul2015, 12:12	1.2
FG08B-G05	0.0630	10.0	01Jul2015, 12:18	1.2
FG11	0.0625	9.8	01Jul2015, 12:18	1.4
FG09	0.0484	3.2	01Jul2015, 12:18	0.6
FG09-G05	0.0484	3.2	01Jul2015, 12:24	0.6
FG10B	0.0416	2.7	01Jul2015, 12:18	0.5
G05	0.3711	45.1	01Jul2015, 12:18	6.2
FG13	0.0534	0.9	01Jul2015, 12:42	0.3
FG12	0.0328	7.8	01Jul2015, 12:12	0.8
POND D IN	0.4573	52.4	01Jul2015, 12:18	7.4
POND D	0.4573	3.6	01Jul2015, 19:54	3.0
POND D-G17	0.4573	3.6	01Jul2015, 20:00	3.0
FG15	0.0103	2.1	01Jul2015, 12:12	0.2
FG15-G17A	0.0103	2.1	01Jul2015, 12:12	0.2
G17	0.5676	9.1	01Jul2015, 12:12	4.3
FG16	0.0791	18.3	01Jul2015, 12:06	1.9
G18	0.6467	26.2	01Jul2015, 12:12	6.1
G18-POND E	0.6467	25.8	01Jul2015, 12:12	6.1
FG31	0.0922	17.2	01Jul2015, 12:18	2.4
FG30	0.0389	0.2	01Jul2015, 13:18	0.1
FG30-PONDHS	0.0389	0.2	01Jul2015, 13:48	0.1
POND HS	0.1311	10.0	01Jul2015, 12:42	2.5
FG17a	0.0694	11.7	01Jul2015, 12:12	1.3
FG17a-POND E	0.0694	11.6	01Jul2015, 12:12	1.3
FG18	0.0644	4.7	01Jul2015, 12:30	0.9
FG18-POND E	0.0644	4.6	01Jul2015, 12:30	0.9
FG19	0.0527	13.1	01Jul2015, 12:12	1.4
FG17c	0.0313	0.5	01Jul2015, 12:18	0.2
FG17b	0.0214	6.1	01Jul2015, 12:06	0.6
POND E IN	1.0170	63.7	01Jul2015, 12:12	12.9
POND E	1.0170	5.4	02Jul2015, 00:00	4.6
H08	1.0170	3.3	02Jul2015, 00:00	2.7
FG20	0.0109	8.5	01Jul2015, 12:06	0.7
H08A	1.0279	8.6	01Jul2015, 12:06	3.4
H09	0.0000	2.1	02Jul2015, 00:00	1.8

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INTERIM CONDITIONS



FUTURE MDDP (100-YEAR)				
HYDROLOGIC ELEMENT	DRAINAGE AREA (SQ. MI.)	PEAK DISCHARGE Q100 (CFS)	TIME OF PEAK	TOTAL VOLUME Q100 (AC. FT.)
OS06	0.1313	80	01Jul2015, 12:12	9.3
G1a	0.1313	80	01Jul2015, 12:12	9.3
G1a-G2	0.1313	79	01Jul2015, 12:18	9.2
OS05	0.0578	39	01Jul2015, 12:12	4.1
OS05-G1	0.0578	39	01Jul2015, 12:12	4.1
FG01	0.0538	31	01Jul2015, 12:30	4.9
FG01-G1	0.0538	31	01Jul2015, 12:30	4.9
G1	0.1116	61	01Jul2015, 12:18	9.0
G1-G2	0.1116	61	01Jul2015, 12:18	9.0
FG02	0.0391	32	01Jul2015, 12:12	3.3
G2	0.2820	167	01Jul2015, 12:18	21.5
G2-G3	0.2820	163	01Jul2015, 12:18	21.3
FG03	0.0203	24	01Jul2015, 12:06	2.0
FG04	0.0172	22	01Jul2015, 12:00	1.7
G3	0.3195	185	01Jul2015, 12:18	25.0
G3-POND F	0.3195	183	01Jul2015, 12:18	25.0
FG06	0.0675	56	01Jul2015, 12:12	6.1
FG05	0.0580	45	01Jul2015, 12:24	6.1
OS07a	0.0170	14	01Jul2015, 12:06	1.3
OS07a-POND F	0.0170	13	01Jul2015, 12:18	1.3
POND F IN	0.4620	293	01Jul2015, 12:18	38.5
POND F	0.4620	179	01Jul2015, 12:42	36.3
POND F-G7	0.4620	179	01Jul2015, 12:42	36.1
FG21b	0.0170	26	01Jul2015, 12:12	2.6
FG21a	0.0072	6	01Jul2015, 12:06	0.5
FG21a-G7	0.0072	6	01Jul2015, 12:18	0.5
G7	0.4862	188	01Jul2015, 12:42	39.1
G7-G8	0.4862	188	01Jul2015, 12:42	39.1
FG22	0.1380	102	01Jul2015, 12:18	13.0
OS08	0.0406	35	01Jul2015, 12:12	3.6
OS08-G8	0.0406	34	01Jul2015, 12:12	3.6
FG23a	0.0216	21	01Jul2015, 12:12	2.2
OS07b	0.0156	15	01Jul2015, 12:06	1.2
OS07b-G7	0.0156	14	01Jul2015, 12:12	1.2
G8	0.7020	296	01Jul2015, 12:30	59.1
G8-G10	0.7020	293	01Jul2015, 12:30	58.9
OS09	0.1527	90	01Jul2015, 12:24	13.0
OS09-G10	0.1527	88	01Jul2015, 12:36	12.8
FG24	0.1373	105	01Jul2015, 12:18	13.4
G9	0.2900	180	01Jul2015, 12:24	26.2
G9-G10	0.2900	178	01Jul2015, 12:30	26.2
FG23b	0.0286	23	01Jul2015, 12:12	2.4
G10	1.0206	483	01Jul2015, 12:30	87.5
G10-G11	1.0206	479	01Jul2015, 12:30	87.3
FG23c	0.0122	12	01Jul2015, 12:06	1.2
G11	1.0328	484	01Jul2015, 12:30	88.5

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FUTURE MDDP (100-YEAR)				
HYDROLOGIC ELEMENT	DRAINAGE AREA (SQ. MI.)	PEAK DISCHARGE Q100 (CFS)	TIME OF PEAK	TOTAL VOLUME Q100 (AC. FT.)
FG25	0.1086	85	01Jul2015, 12:30	13.3
FG26	0.0863	78	01Jul2015, 12:18	9.4
FG26-POND G	0.0863	77	01Jul2015, 12:18	9.4
FG27	0.0500	52	01Jul2015, 12:18	6.3
FG28	0.0245	18	01Jul2015, 12:18	2.3
POND G IN	1.3022	690	01Jul2015, 12:30	119.7
POND G	1.3022	476	01Jul2015, 12:54	110.2
G12	1.3022	476	01Jul2015, 12:54	110.2
G12-G06	1.3022	476	01Jul2015, 13:00	109.5
FG29	0.0997	60	01Jul2015, 12:12	7.1
FG32	0.0402	72	01Jul2015, 12:06	6.1
FG32-G06	0.0402	69	01Jul2015, 12:06	6.1
G06	1.4421	503	01Jul2015, 12:54	122.6
FG08A	0.0750	116	01Jul2015, 12:06	10.2
FG08A-G05	0.0750	110	01Jul2015, 12:12	10.2
FG08B	0.0630	86	01Jul2015, 12:12	8.5
FG08B-G05	0.0630	84	01Jul2015, 12:12	8.5
FG09	0.0484	48	01Jul2015, 12:12	5.5
FG09-G05	0.0484	48	01Jul2015, 12:18	5.5
FG10B	0.0416	42	01Jul2015, 12:12	4.7
G05	0.2280	282	01Jul2015, 12:12	28.8
FG10A	0.0806	81	01Jul2015, 12:18	9.6
FG11	0.0625	75	01Jul2015, 12:18	8.9
FG13	0.0534	34	01Jul2015, 12:24	4.8
FG12	0.0328	50	01Jul2015, 12:12	5.0
POND D IN	0.4573	509	01Jul2015, 12:12	57.0
POND D	0.4573	133	01Jul2015, 13:00	46.3
POND D-G17	0.4573	133	01Jul2015, 13:00	46.2
FG15	0.0103	15	01Jul2015, 12:06	1.5
FG15-G17A	0.0103	15	01Jul2015, 12:12	1.5
G17A	0.4676	136	01Jul2015, 13:00	47.7
FG14	0.1000	98	01Jul2015, 12:18	12.5
G17	0.5676	195	01Jul2015, 12:30	60.3
G17-G18	0.5676	194	01Jul2015, 12:36	60.2
FG16	0.0791	133	01Jul2015, 12:06	11.5
G18	0.6467	238	01Jul2015, 12:24	71.7
G18-POND E	0.6467	238	01Jul2015, 12:24	71.7
FG31	0.0922	116	01Jul2015, 12:18	13.9
FG30	0.0389	73	01Jul2015, 12:06	5.9
FG30-PONDHS	0.0389	70	01Jul2015, 12:12	5.8
POND HS	0.1311	153	01Jul2015, 12:24	19.7
FG17a	0.0694	101	01Jul2015, 12:06	9.4
FG17a-POND E	0.0694	99	01Jul2015, 12:06	9.4
FG18	0.0644	56	01Jul2015, 12:24	7.8
FG18-POND E	0.0644	56	01Jul2015, 12:24	7.8
FG19	0.0527	84	01Jul2015, 12:06	8.1

Highlighted green rows reference key design points (Typical all charts this section)

FUTURE MDDP (100-YEAR)				
HYDROLOGIC ELEMENT	DRAINAGE AREA (SQ. MI.)	PEAK DISCHARGE Q100 (CFS)	TIME OF PEAK	TOTAL VOLUME Q100 (AC. FT.)
FG17c	0.0313	31	01Jul2015, 12:06	2.7
FG17b	0.0214	39	01Jul2015, 12:06	3.2
POND E IN	1.0170	608	01Jul2015, 12:18	122.4
POND E	1.0170	239	01Jul2015, 13:30	97.6
H08	1.0170	203	01Jul2015, 13:30	85.3
H09	0.0000	36	01Jul2015, 13:30	12.3
FG34	0.0600	34	01Jul2015, 12:18	4.5
G14	0.0600	34	01Jul2015, 12:18	4.5
G14-G15	0.0600	34	01Jul2015, 12:24	4.4
FG35	0.0344	20	01Jul2015, 12:24	2.7
G15	0.0944	53	01Jul2015, 12:24	7.1
G15-G08	0.0944	52	01Jul2015, 12:24	7.1
FG37	0.0797	41	01Jul2015, 12:18	5.6
FG36	0.0281	14	01Jul2015, 12:18	2.0
FG36-G08	0.0281	14	01Jul2015, 12:24	2.0
G08	0.2022	106	01Jul2015, 12:24	14.7

Highlighted green rows reference key design points (Typical all charts this section)

FUTURE MDDP (50-YEAR)				
HYDROLOGIC ELEMENT	DRAINAGE AREA (SQ. MI.)	PEAK DISCHARGE Q50 (CFS)	TIME OF PEAK	TOTAL VOLUME Q50 (AC. FT.)
OS06	0.1313	52	01Jul2015, 12:12	6.5
G1a	0.1313	52	01Jul2015, 12:12	6.5
G1a-G2	0.1313	52	01Jul2015, 12:18	6.5
OS05	0.0578	26	01Jul2015, 12:12	2.9
OS05-G1	0.0578	25	01Jul2015, 12:12	2.9
FG01	0.0538	22	01Jul2015, 12:30	3.6
FG01-G1	0.0538	22	01Jul2015, 12:30	3.6
G1	0.1116	41	01Jul2015, 12:18	6.4
G1-G2	0.1116	41	01Jul2015, 12:18	6.4
FG02	0.0391	22	01Jul2015, 12:12	2.4
G2	0.2820	112	01Jul2015, 12:18	15.3
G2-G3	0.2820	109	01Jul2015, 12:24	15.2
FG03	0.0203	17	01Jul2015, 12:06	1.5
FG04	0.0172	16	01Jul2015, 12:00	1.3
G3	0.3195	123	01Jul2015, 12:18	17.9
G3-POND F	0.3195	121	01Jul2015, 12:18	17.9
FG06	0.0675	40	01Jul2015, 12:12	4.4
FG05	0.0580	33	01Jul2015, 12:24	4.6
OS07a	0.0170	9	01Jul2015, 12:12	1.0
OS07a-POND F	0.0170	9	01Jul2015, 12:18	0.9
POND F IN	0.4620	200	01Jul2015, 12:18	27.9
POND F	0.4620	125	01Jul2015, 12:42	26.0
POND F-G7	0.4620	123	01Jul2015, 12:48	25.9
FG21b	0.0170	20	01Jul2015, 12:12	2.0
FG21a	0.0072	4	01Jul2015, 12:06	0.4
FG21a-G7	0.0072	3	01Jul2015, 12:18	0.4
G7	0.4862	129	01Jul2015, 12:48	28.2
G7-G8	0.4862	129	01Jul2015, 12:48	28.2
FG22	0.1380	73	01Jul2015, 12:18	9.6
OS08	0.0406	25	01Jul2015, 12:12	2.6
OS08-G8	0.0406	24	01Jul2015, 12:12	2.6
FG23a	0.0216	15	01Jul2015, 12:12	1.6
OS07b	0.0156	10	01Jul2015, 12:06	0.9
OS07b-G7	0.0156	10	01Jul2015, 12:12	0.9
G8	0.7020	191	01Jul2015, 12:36	42.9
G8-G10	0.7020	190	01Jul2015, 12:42	42.7
OS09	0.1527	62	01Jul2015, 12:24	9.4
OS09-G10	0.1527	62	01Jul2015, 12:36	9.3
FG24	0.1373	76	01Jul2015, 12:18	9.9
G9	0.2900	125	01Jul2015, 12:30	19.2
G9-G10	0.2900	125.0	01Jul2015, 12:30	19.2
FG23b	0.0286	16	01Jul2015, 12:12	1.8
G10	1.0206	311	01Jul2015, 12:36	63.6
G10-G11	1.0206	309	01Jul2015, 12:36	63.5
FG23c	0.0122	9	01Jul2015, 12:06	0.9
G11	1.0328	312	01Jul2015, 12:36	64.3

Highlighted green rows reference key design points (Typical all charts this section)

FUTURE MDDP (50-YEAR)				
HYDROLOGIC ELEMENT	DRAINAGE AREA (SQ. MI.)	PEAK DISCHARGE Q50 (CFS)	TIME OF PEAK	TOTAL VOLUME Q50 (AC. FT.)
FG25	0.1086	64	01Jul2015, 12:30	10.2
FG26	0.0863	58	01Jul2015, 12:18	7.1
FG26-POND G	0.0863	57	01Jul2015, 12:18	7.0
FG27	0.0500	40	01Jul2015, 12:18	4.8
FG28	0.0245	13	01Jul2015, 12:18	1.7
POND G IN	1.3022	457	01Jul2015, 12:30	88.1
POND G	1.3022	328	01Jul2015, 13:00	79.1
G12	1.3022	328	01Jul2015, 13:00	79.1
G12-G06	1.3022	325	01Jul2015, 13:06	78.6
FG29	0.0997	39	01Jul2015, 12:18	5.0
FG32	0.0402	57	01Jul2015, 12:06	4.8
FG32-G06	0.0402	54	01Jul2015, 12:06	4.8
G06	1.4421	344	01Jul2015, 13:00	88.4
FG08A	0.0750	90	01Jul2015, 12:06	7.9
FG08A-G05	0.0750	86	01Jul2015, 12:12	7.9
FG08B	0.0630	67	01Jul2015, 12:12	6.6
FG08B-G05	0.0630	65	01Jul2015, 12:12	6.6
FG09	0.0484	36	01Jul2015, 12:12	4.1
FG09-G05	0.0484	36	01Jul2015, 12:18	4.1
FG10B	0.0416	31	01Jul2015, 12:12	3.5
G05	0.2280	215	01Jul2015, 12:12	22.1
FG10A	0.0806	61	01Jul2015, 12:18	7.3
FG11	0.0625	59	01Jul2015, 12:18	7.0
FG13	0.0534	24	01Jul2015, 12:24	3.5
FG12	0.0328	40	01Jul2015, 12:12	3.9
POND D IN	0.4573	387	01Jul2015, 12:12	43.9
POND D	0.4573	90	01Jul2015, 13:06	34.2
POND D-G17	0.4573	90	01Jul2015, 13:06	34.1
FG15	0.0103	12	01Jul2015, 12:12	1.2
FG15-G17A	0.0103	12	01Jul2015, 12:12	1.2
G17A	0.4676	91	01Jul2015, 13:06	35.3
FG14	0.1000	74	01Jul2015, 12:18	9.6
G17	0.5676	129	01Jul2015, 12:36	44.9
G17-G18	0.5676	128	01Jul2015, 12:36	44.9
FG16	0.0791	104	01Jul2015, 12:06	9.0
G18	0.6467	178	01Jul2015, 12:12	53.9
G18-POND E	0.6467	176	01Jul2015, 12:12	53.9
FG31	0.0922	92	01Jul2015, 12:18	11.0
FG30	0.0389	57	01Jul2015, 12:06	4.7
FG30-PONDHS	0.0389	56	01Jul2015, 12:12	4.6
POND HS	0.1311	106	01Jul2015, 12:30	15.5
FG17a	0.0694	78	01Jul2015, 12:06	7.3
FG17a-POND E	0.0694	76	01Jul2015, 12:06	7.3
FG18	0.0644	42	01Jul2015, 12:24	5.9
FG18-POND E	0.0644	42	01Jul2015, 12:24	5.9
FG19	0.0527	66	01Jul2015, 12:06	6.4

Highlighted green rows reference key design points (Typical all charts this section)

FUTURE MDDP (50-YEAR)				
HYDROLOGIC ELEMENT	DRAINAGE AREA (SQ. MI.)	PEAK DISCHARGE Q50 (CFS)	TIME OF PEAK	TOTAL VOLUME Q50 (AC. FT.)
FG17c	0.0313	22	01Jul2015, 12:06	2.0
FG17b	0.0214	31	01Jul2015, 12:06	2.6
POND E IN	1.0170	432	01Jul2015, 12:12	93.5
POND E	1.0170	149	01Jul2015, 14:00	69.4
H08	1.0170	134	01Jul2015, 14:00	61.1
H09	0.0000	15	01Jul2015, 14:00	8.3
FG34	0.0600	23	01Jul2015, 12:18	3.2
G14	0.0600	23	01Jul2015, 12:18	3.2
G14-G15	0.0600	22	01Jul2015, 12:24	3.1
FG35	0.0344	13.4	01Jul2015, 12:24	2.0
G15	0.0944	35.6	01Jul2015, 12:24	5.1
G15-G08	0.0944	35	01Jul2015, 12:30	5.0
FG37	0.0797	27	01Jul2015, 12:24	4.0
FG36	0.0281	9	01Jul2015, 12:24	1.4
FG36-G08	0.0281	9	01Jul2015, 12:30	1.4
G08	0.2022	69	01Jul2015, 12:24	10.4

Highlighted green rows reference key design points (Typical all charts this section)

FUTURE MDDP (25-YEAR)				
HYDROLOGIC ELEMENT	DRAINAGE AREA (SQ. MI.)	PEAK DISCHARGE Q25 (CFS)	TIME OF PEAK	TOTAL VOLUME Q25 (AC. FT.)
OS06	0.1313	30	01Jul2015, 12:18	4.3
G1a	0.1313	30	01Jul2015, 12:18	4.3
G1a-G2	0.1313	30	01Jul2015, 12:18	4.2
OS05	0.0578	15	01Jul2015, 12:12	1.9
OS05-G1	0.0578	15	01Jul2015, 12:12	1.9
FG01	0.0538	14	01Jul2015, 12:30	2.5
FG01-G1	0.0538	14	01Jul2015, 12:30	2.5
G1	0.1116	25	01Jul2015, 12:18	4.4
G1-G2	0.1116	25	01Jul2015, 12:24	4.3
FG02	0.0391	14	01Jul2015, 12:12	1.6
G2	0.2820	67	01Jul2015, 12:18	10.2
G2-G3	0.2820	66	01Jul2015, 12:24	10.1
FG03	0.0203	12	01Jul2015, 12:06	1.0
FG04	0.0172	11	01Jul2015, 12:00	0.9
G3	0.3195	74	01Jul2015, 12:24	12.0
G3-POND F	0.3195	74	01Jul2015, 12:24	12.0
FG06	0.0675	26	01Jul2015, 12:12	3.1
FG05	0.0580	23	01Jul2015, 12:24	3.3
OS07a	0.0170	6	01Jul2015, 12:12	0.6
OS07a-POND F	0.0170	6	01Jul2015, 12:24	0.6
POND F IN	0.4620	123	01Jul2015, 12:24	19.0
POND F	0.4620	63	01Jul2015, 12:54	17.5
POND F-G7	0.4620	63	01Jul2015, 13:00	17.3
FG21b	0.0170	16	01Jul2015, 12:12	1.5
FG21a	0.0072	2	01Jul2015, 12:06	0.2
FG21a-G7	0.0072	2	01Jul2015, 12:24	0.2
G7	0.4862	66	01Jul2015, 13:00	19.1
G7-G8	0.4862	66	01Jul2015, 13:00	19.1
FG22	0.1380	47	01Jul2015, 12:18	6.7
OS08	0.0406	16	01Jul2015, 12:12	1.8
OS08-G8	0.0406	15	01Jul2015, 12:18	1.8
FG23a	0.0216	10	01Jul2015, 12:12	1.1
OS07b	0.0156	6	01Jul2015, 12:06	0.6
OS07b-G7	0.0156	6	01Jul2015, 12:12	0.6
G8	0.7020	96	01Jul2015, 12:54	29.3
G8-G10	0.7020	95	01Jul2015, 12:54	29.1
OS09	0.1527	39	01Jul2015, 12:30	6.5
OS09-G10	0.1527	39	01Jul2015, 12:36	6.3
FG24	0.1373	50	01Jul2015, 12:18	7.0
G9	0.2900	81	01Jul2015, 12:30	13.3
G9-G10	0.2900	79.0	01Jul2015, 12:30	13.3
FG23b	0.0286	10	01Jul2015, 12:12	1.2
G10	1.0206	175	01Jul2015, 12:30	43.6
G10-G11	1.0206	174	01Jul2015, 12:30	43.5
FG23c	0.0122	6	01Jul2015, 12:12	0.6
G11	1.0328	176	01Jul2015, 12:30	44.0

Highlighted green rows reference key design points (Typical all charts this section)

FUTURE MDDP (25-YEAR)				
HYDROLOGIC ELEMENT	DRAINAGE AREA (SQ. MI.)	PEAK DISCHARGE Q25 (CFS)	TIME OF PEAK	TOTAL VOLUME Q25 (AC. FT.)
FG25	0.1086	45.9	01Jul2015, 12:30	7.5
FG26	0.0863	40	01Jul2015, 12:18	5.1
FG26-POND G	0.0863	39	01Jul2015, 12:18	5.1
FG27	0.0500	29	01Jul2015, 12:18	3.6
FG28	0.0245	8	01Jul2015, 12:18	1.1
POND G IN	1.3022	287	01Jul2015, 12:30	61.3
POND G	1.3022	170	01Jul2015, 13:12	53.0
G12	1.3022	170	01Jul2015, 13:12	53.0
G12-G06	1.3022	170	01Jul2015, 13:18	52.6
FG29	0.0997	23	01Jul2015, 12:18	3.3
FG32	0.0402	44	01Jul2015, 12:06	3.7
FG32-G06	0.0402	41	01Jul2015, 12:06	3.7
G06	1.4421	180	01Jul2015, 13:18	59.5
FG08A	0.0750	66	01Jul2015, 12:06	5.9
FG08A-G05	0.0750	64	01Jul2015, 12:12	5.9
FG08B	0.0630	49	01Jul2015, 12:12	5.0
FG08B-G05	0.0630	48	01Jul2015, 12:12	4.9
FG09	0.0484	25	01Jul2015, 12:18	3.0
FG09-G05	0.0484	25	01Jul2015, 12:18	3.0
FG10B	0.0416	22	01Jul2015, 12:12	2.5
G05	0.2280	156	01Jul2015, 12:12	16.3
FG10A	0.0806	43	01Jul2015, 12:18	5.4
FG11	0.0625	44	01Jul2015, 12:18	5.2
FG13	0.0534	15	01Jul2015, 12:24	2.4
FG12	0.0328	30.2	01Jul2015, 12:12	3.0
POND D IN	0.4573	279.7	01Jul2015, 12:12	32.4
POND D	0.4573	49	01Jul2015, 13:24	23.8
POND D-G17	0.4573	49	01Jul2015, 13:30	23.8
FG15	0.0103	9	01Jul2015, 12:12	0.9
FG15-G17A	0.0103	9	01Jul2015, 12:12	0.9
G17A	0.4676	50	01Jul2015, 13:24	24.7
FG14	0.1000	53	01Jul2015, 12:18	7.1
G17	0.5676	75	01Jul2015, 12:24	31.8
G17-G18	0.5676	74	01Jul2015, 12:24	31.7
FG16	0.0791	78	01Jul2015, 12:06	6.8
G18	0.6467	127	01Jul2015, 12:12	38.6
G18-POND E	0.6467	126	01Jul2015, 12:12	38.5
FG31	0.0922	69	01Jul2015, 12:18	8.4
FG30	0.0389	44	01Jul2015, 12:06	3.6
FG30-PONDHS	0.0389	42	01Jul2015, 12:12	3.5
POND HS	0.1311	53	01Jul2015, 12:42	11.9
FG17a	0.0694	57	01Jul2015, 12:06	5.4
FG17a-POND E	0.0694	56	01Jul2015, 12:12	5.4
FG18	0.0644	30	01Jul2015, 12:24	4.3
FG18-POND E	0.0644	30	01Jul2015, 12:24	4.3
FG19	0.0527	50	01Jul2015, 12:06	4.9

Highlighted green rows reference key design points (Typical all charts this section)

FUTURE MDDP (25-YEAR)				
HYDROLOGIC ELEMENT	DRAINAGE AREA (SQ. MI.)	PEAK DISCHARGE Q25 (CFS)	TIME OF PEAK	TOTAL VOLUME Q25 (AC. FT.)
FG17c	0.0313	14	01Jul2015, 12:06	1.4
FG17b	0.0214	24	01Jul2015, 12:06	1.9
POND E IN	1.0170	317	01Jul2015, 12:12	68.3
POND E	1.0170	77	01Jul2015, 14:42	45.3
H08	1.0170	69	01Jul2015, 14:42	38.7
H09	0.0000	8	01Jul2015, 14:42	6.5
FG34	0.0600	13	01Jul2015, 12:24	2.1
G14	0.0600	13	01Jul2015, 12:24	2.1
G14-G15	0.0600	13	01Jul2015, 12:30	2.1
FG35	0.0344	8.3	01Jul2015, 12:24	1.3
G15	0.0944	21.3	01Jul2015, 12:30	3.4
G15-G08	0.0944	21	01Jul2015, 12:30	3.3
FG37	0.0797	16	01Jul2015, 12:24	2.6
FG36	0.0281	6	01Jul2015, 12:24	0.9
FG36-G08	0.0281	5	01Jul2015, 12:30	0.9
G08	0.2022	41	01Jul2015, 12:30	6.8

Highlighted green rows reference key design points (Typical all charts this section)

FUTURE MDDP (10-YEAR)				
HYDROLOGIC ELEMENT	DRAINAGE AREA (SQ. MI.)	PEAK DISCHARGE Q10 (CFS)	TIME OF PEAK	TOTAL VOLUME Q10 (AC. FT.)
OS06	0.1313	12	01Jul2015, 12:18	2.2
G1a	0.1313	12	01Jul2015, 12:18	2.2
G1a-G2	0.1313	11	01Jul2015, 12:24	2.1
OS05	0.0578	5.6	01Jul2015, 12:12	1.0
OS05-G1	0.0578	5.5	01Jul2015, 12:18	1.0
FG01	0.0538	7.0	01Jul2015, 12:36	1.4
FG01-G1	0.0538	7.0	01Jul2015, 12:36	1.4
G1	0.1116	11	01Jul2015, 12:24	2.3
G1-G2	0.1116	11	01Jul2015, 12:30	2.3
FG02	0.0391	6.4	01Jul2015, 12:12	0.9
G2	0.2820	27	01Jul2015, 12:24	5.4
G2-G3	0.2820	27	01Jul2015, 12:30	5.3
FG03	0.0203	5.9	01Jul2015, 12:06	0.6
FG04	0.0172	5.8	01Jul2015, 12:06	0.5
G3	0.3195	31	01Jul2015, 12:30	6.4
G3-POND F	0.3195	31	01Jul2015, 12:30	6.4
FG06	0.0675	12	01Jul2015, 12:18	1.7
FG05	0.0580	12.2	01Jul2015, 12:24	2.0
OS07a	0.0170	2	01Jul2015, 12:12	0.3
OS07a-POND F	0.0170	2	01Jul2015, 12:30	0.3
POND F IN	0.4620	53.7	01Jul2015, 12:30	10.4
POND F	0.4620	16.8	01Jul2015, 13:48	9.3
POND F-G7	0.4620	16.8	01Jul2015, 13:54	9.2
FG21b	0.0170	10.2	01Jul2015, 12:12	1.0
FG21a	0.0072	1	01Jul2015, 12:06	0.1
FG21a-G7	0.0072	1	01Jul2015, 12:30	0.1
G7	0.4862	18	01Jul2015, 13:42	10.3
G7-G8	0.4862	18.1	01Jul2015, 13:42	10.3
FG22	0.1380	24.0	01Jul2015, 12:24	3.8
OS08	0.0406	7.7	01Jul2015, 12:12	1.0
OS08-G8	0.0406	8	01Jul2015, 12:18	1.0
FG23a	0.0216	5	01Jul2015, 12:12	0.7
OS07b	0.0156	3	01Jul2015, 12:06	0.3
OS07b-G7	0.0156	2	01Jul2015, 12:18	0.3
G8	0.7020	47	01Jul2015, 12:18	16.1
G8-G10	0.7020	47	01Jul2015, 12:24	16.0
OS09	0.1527	18	01Jul2015, 12:30	3.5
OS09-G10	0.1527	18.1	01Jul2015, 12:42	3.5
FG24	0.1373	26	01Jul2015, 12:24	4.0
G9	0.2900	38	01Jul2015, 12:36	7.5
G9-G10	0.2900	36.8	01Jul2015, 12:36	7.5
FG23b	0.0286	5	01Jul2015, 12:12	0.7
G10	1.0206	80	01Jul2015, 12:30	24.1
G10-G11	1.0206	79	01Jul2015, 12:36	24.0
FG23c	0.0122	3	01Jul2015, 12:12	0.3
G11	1.0328	81	01Jul2015, 12:36	24.3

Highlighted green rows reference key design points (Typical all charts this section)

FUTURE MDDP (10-YEAR)				
HYDROLOGIC ELEMENT	DRAINAGE AREA (SQ. MI.)	PEAK DISCHARGE Q10 (CFS)	TIME OF PEAK	TOTAL VOLUME Q10 (AC. FT.)
FG25	0.1086	27.1	01Jul2015, 12:36	4.7
FG26	0.0863	22	01Jul2015, 12:18	3.0
FG26-POND G	0.0863	22	01Jul2015, 12:24	3.0
FG27	0.0500	17	01Jul2015, 12:18	2.3
FG28	0.0245	4	01Jul2015, 12:18	0.7
POND G IN	1.3022	145.4	01Jul2015, 12:30	35.0
POND G	1.3022	54	01Jul2015, 14:00	27.6
G12	1.3022	54	01Jul2015, 14:00	27.6
G12-G06	1.3022	54	01Jul2015, 14:06	27.3
FG29	0.0997	9	01Jul2015, 12:18	1.6
FG32	0.0402	29	01Jul2015, 12:06	2.5
FG32-G06	0.0402	27	01Jul2015, 12:06	2.4
G06	1.4421	59	01Jul2015, 14:00	31.4
FG08A	0.0750	41	01Jul2015, 12:06	3.8
FG08A-G05	0.0750	41	01Jul2015, 12:12	3.8
FG08B	0.0630	31	01Jul2015, 12:12	3.2
FG08B-G05	0.0630	29	01Jul2015, 12:18	3.2
FG09	0.0484	14	01Jul2015, 12:18	1.8
FG09-G05	0.0484	14	01Jul2015, 12:18	1.8
FG10B	0.0416	12.2	01Jul2015, 12:18	1.5
G05	0.2280	94	01Jul2015, 12:12	10.3
FG10A	0.0806	25	01Jul2015, 12:18	3.3
FG11	0.0625	28	01Jul2015, 12:18	3.4
FG13	0.0534	7	01Jul2015, 12:30	1.4
FG12	0.0328	19.9	01Jul2015, 12:12	2.0
POND D IN	0.4573	168.0	01Jul2015, 12:18	20.4
POND D	0.4573	18	01Jul2015, 14:30	13.9
POND D-G17	0.4573	18	01Jul2015, 14:30	13.8
FG15	0.0103	6	01Jul2015, 12:12	0.6
FG15-G17A	0.0103	6	01Jul2015, 12:12	0.6
G17A	0.4676	18	01Jul2015, 14:18	14.4
FG14	0.1000	32	01Jul2015, 12:24	4.5
G17	0.5676	41	01Jul2015, 12:30	18.9
G17-G18	0.5676	41	01Jul2015, 12:30	18.9
FG16	0.0791	50	01Jul2015, 12:06	4.5
G18	0.6467	78	01Jul2015, 12:12	23.4
G18-POND E	0.6467	77	01Jul2015, 12:12	23.3
FG31	0.0922	45	01Jul2015, 12:18	5.6
FG30	0.0389	29	01Jul2015, 12:06	2.4
FG30-PONDHS	0.0389	27	01Jul2015, 12:12	2.3
POND HS	0.1311	36	01Jul2015, 12:42	7.9
FG17a	0.0694	35	01Jul2015, 12:06	3.5
FG17a-POND E	0.0694	35.1	01Jul2015, 12:12	3.5
FG18	0.0644	18	01Jul2015, 12:24	2.7
FG18-POND E	0.0644	17	01Jul2015, 12:30	2.7
FG19	0.0527	33	01Jul2015, 12:12	3.3

Highlighted green rows reference key design points (Typical all charts this section)

FUTURE MDDP (10-YEAR)				
HYDROLOGIC ELEMENT	DRAINAGE AREA (SQ. MI.)	PEAK DISCHARGE Q10 (CFS)	TIME OF PEAK	TOTAL VOLUME Q10 (AC. FT.)
FG17c	0.0313	7	01Jul2015, 12:06	0.8
FG17b	0.0214	16	01Jul2015, 12:06	1.3
POND E IN	1.0170	196	01Jul2015, 12:12	42.7
POND E	1.0170	28	01Jul2015, 18:06	22.2
H08	1.0170	22.1	01Jul2015, 18:06	17.2
H09	0.0000	6	01Jul2015, 18:06	4.9
FG34	0.0600	5.5	01Jul2015, 12:24	1.1
G14	0.0600	5.5	01Jul2015, 12:24	1.1
G14-G15	0.0600	5.4	01Jul2015, 12:36	1.1
FG35	0.0344	3.5	01Jul2015, 12:30	0.7
G15	0.0944	8.7	01Jul2015, 12:36	1.8
G15-G08	0.0944	9	01Jul2015, 12:36	1.7
FG37	0.0797	6	01Jul2015, 12:24	1.3
FG36	0.0281	2	01Jul2015, 12:30	0.5
FG36-G08	0.0281	2	01Jul2015, 12:36	0.5
G08	0.2022	16	01Jul2015, 12:36	3.5

Highlighted green rows reference key design points (Typical all charts this section)

FUTURE MDDP (5-YEAR)				
HYDROLOGIC ELEMENT	DRAINAGE AREA (SQ. MI.)	PEAK DISCHARGE Q5 (CFS)	TIME OF PEAK	TOTAL VOLUME Q5 (AC. FT.)
OS06	0.1313	3.8	01Jul2015, 12:24	1.1
G1a	0.1313	3.8	01Jul2015, 12:24	1.1
G1a-G2	0.1313	3.6	01Jul2015, 12:36	1.1
OS05	0.0578	1.8	01Jul2015, 12:18	0.5
OS05-G1	0.0578	1.7	01Jul2015, 12:24	0.5
FG01	0.0538	3.4	01Jul2015, 12:36	0.8
FG01-G1	0.0538	3.4	01Jul2015, 12:36	0.8
G1	0.1116	4.9	01Jul2015, 12:36	1.3
G1-G2	0.1116	4.8	01Jul2015, 12:36	1.3
FG02	0.0391	2.7	01Jul2015, 12:18	0.5
G2	0.2820	10	01Jul2015, 12:30	2.9
G2-G3	0.2820	10	01Jul2015, 12:42	2.9
FG03	0.0203	0.8	01Jul2015, 12:12	0.2
FG04	0.0172	3.1	01Jul2015, 12:06	0.3
G3	0.3195	11	01Jul2015, 12:36	3.3
G3-POND F	0.3195	11	01Jul2015, 12:42	3.3
FG06	0.0675	5.8	01Jul2015, 12:18	1.0
FG05	0.0580	6.7	01Jul2015, 12:30	1.2
OS07a	0.0170	0.9	01Jul2015, 12:12	0.2
OS07a-POND F	0.0170	0.9	01Jul2015, 12:36	0.2
POND F IN	0.4620	22.3	01Jul2015, 12:36	5.7
POND F	0.4620	8.2	01Jul2015, 14:12	4.9
POND F-G7	0.4620	8.2	01Jul2015, 14:18	4.8
FG21b	0.0170	7.0	01Jul2015, 12:12	0.7
FG21a	0.0072	0.3	01Jul2015, 12:12	0.1
FG21a-G7	0.0072	0.3	01Jul2015, 12:42	0.1
G7	0.4862	9	01Jul2015, 14:12	5.6
G7-G8	0.4862	8.9	01Jul2015, 14:12	5.6
FG22	0.1380	12.0	01Jul2015, 12:24	2.3
OS08	0.0406	3.4	01Jul2015, 12:12	0.6
OS08-G8	0.0406	3	01Jul2015, 12:18	0.6
FG23a	0.0216	3	01Jul2015, 12:18	0.4
OS07b	0.0156	1.0	01Jul2015, 12:12	0.2
OS07b-G7	0.0156	0.9	01Jul2015, 12:18	0.2
G8	0.7020	25	01Jul2015, 12:18	9.0
G8-G10	0.7020	24	01Jul2015, 12:24	8.9
OS09	0.1527	8	01Jul2015, 12:36	2.0
OS09-G10	0.1527	8.2	01Jul2015, 12:48	2.0
FG24	0.1373	13	01Jul2015, 12:24	2.5
G9	0.2900	17	01Jul2015, 12:48	4.4
G9-G10	0.2900	16.9	01Jul2015, 12:48	4.4
FG23b	0.0286	2	01Jul2015, 12:18	0.4
G10	1.0206	39	01Jul2015, 12:24	13.7
G10-G11	1.0206	38.9	01Jul2015, 12:30	13.6
FG23c	0.0122	1.5	01Jul2015, 12:12	0.2
G11	1.0328	39.7	01Jul2015, 12:30	13.8

Highlighted green rows reference key design points (Typical all charts this section)

FUTURE MDDP (5-YEAR)				
HYDROLOGIC ELEMENT	DRAINAGE AREA (SQ. MI.)	PEAK DISCHARGE Q5 (CFS)	TIME OF PEAK	TOTAL VOLUME Q5 (AC. FT.)
FG25	0.1086	16.7	01Jul2015, 12:36	3.1
FG26	0.0863	12	01Jul2015, 12:24	1.9
FG26-POND G	0.0863	12	01Jul2015, 12:24	1.9
FG27	0.0500	11	01Jul2015, 12:18	1.5
FG28	0.0245	2	01Jul2015, 12:24	0.4
POND G IN	1.3022	78.6	01Jul2015, 12:30	20.7
POND G	1.3022	21	01Jul2015, 15:30	13.9
G12	1.3022	21	01Jul2015, 15:30	13.9
G12-G06	1.3022	21	01Jul2015, 15:42	13.7
FG29	0.0997	3	01Jul2015, 12:24	0.9
FG32	0.0402	20	01Jul2015, 12:06	1.7
FG32-G06	0.0402	18	01Jul2015, 12:12	1.7
G06	1.4421	23	01Jul2015, 15:30	16.2
FG08A	0.0750	27	01Jul2015, 12:06	2.6
FG08A-G05	0.0750	27	01Jul2015, 12:12	2.6
FG08B	0.0630	20.1	01Jul2015, 12:12	2.2
FG08B-G05	0.0630	19.5	01Jul2015, 12:18	2.2
FG09	0.0484	8.3	01Jul2015, 12:18	1.2
FG09-G05	0.0484	8	01Jul2015, 12:24	1.2
FG10B	0.0416	7.0	01Jul2015, 12:18	1.0
G05	0.2280	59	01Jul2015, 12:18	6.9
FG10A	0.0806	15	01Jul2015, 12:18	2.2
FG11	0.0625	19	01Jul2015, 12:18	2.4
FG13	0.0534	4	01Jul2015, 12:30	0.8
FG12	0.0328	13.7	01Jul2015, 12:12	1.4
POND D IN	0.4573	107.0	01Jul2015, 12:18	13.6
POND D	0.4573	11	01Jul2015, 14:48	8.2
POND D-G17	0.4573	11	01Jul2015, 14:54	8.2
FG15	0.0103	4	01Jul2015, 12:12	0.4
FG15-G17A	0.0103	4	01Jul2015, 12:12	0.4
G17A	0.4676	11	01Jul2015, 14:42	8.6
FG14	0.1000	20	01Jul2015, 12:24	3.0
G17	0.5676	25	01Jul2015, 12:24	11.6
G17-G18	0.5676	25	01Jul2015, 12:24	11.6
FG16	0.0791	34	01Jul2015, 12:06	3.1
G18	0.6467	50	01Jul2015, 12:12	14.7
G18-POND E	0.6467	49	01Jul2015, 12:12	14.7
FG31	0.0922	31	01Jul2015, 12:18	3.9
FG30	0.0389	20	01Jul2015, 12:06	1.7
FG30-PONDHS	0.0389	18	01Jul2015, 12:12	1.6
POND HS	0.1311	26	01Jul2015, 12:36	5.6
FG17a	0.0694	23	01Jul2015, 12:12	2.4
FG17a-POND E	0.0694	22.9	01Jul2015, 12:12	2.4
FG18	0.0644	11	01Jul2015, 12:30	1.8
FG18-POND E	0.0644	11	01Jul2015, 12:30	1.8
FG19	0.0527	23	01Jul2015, 12:12	2.3

Highlighted green rows reference key design points (Typical all charts this section)

FUTURE MDDP (5-YEAR)				
HYDROLOGIC ELEMENT	DRAINAGE AREA (SQ. MI.)	PEAK DISCHARGE Q5 (CFS)	TIME OF PEAK	TOTAL VOLUME Q5 (AC. FT.)
FG17c	0.0313	3	01Jul2015, 12:12	0.4
FG17b	0.0214	11	01Jul2015, 12:06	0.9
POND E IN	1.0170	126	01Jul2015, 12:12	28.0
POND E	1.0170	14	01Jul2015, 20:42	11.0
H08	1.0170	10.2	01Jul2015, 20:42	7.8
H09	0.0000	3.8	01Jul2015, 20:42	3.2
FG34	0.0600	2.0	01Jul2015, 12:30	0.6
G14	0.0600	2.0	01Jul2015, 12:30	0.6
G14-G15	0.0600	2.0	01Jul2015, 12:42	0.6
FG35	0.0344	1.5	01Jul2015, 12:30	0.4
G15	0.0944	3.3	01Jul2015, 12:42	0.9
G15-G08	0.0944	3.3	01Jul2015, 12:48	0.9
FG37	0.0797	2.0	01Jul2015, 12:36	0.7
FG36	0.0281	0.7	01Jul2015, 12:36	0.2
FG36-G08	0.0281	0.7	01Jul2015, 12:48	0.2
G08	0.2022	5.8	01Jul2015, 12:48	1.8

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FUTURE MDDP (2-YEAR)				
HYDROLOGIC ELEMENT	DRAINAGE AREA (SQ. MI.)	PEAK DISCHARGE Q2 (CFS)	TIME OF PEAK	TOTAL VOLUME Q2 (AC. FT.)
OS06	0.1313	0.5	01Jul2015, 13:30	0.3
G1a	0.1313	0.5	01Jul2015, 13:30	0.3
G1a-G2	0.1313	0.5	01Jul2015, 13:48	0.3
OS05	0.0578	0.2	01Jul2015, 13:24	0.2
OS05-G1	0.0578	0.2	01Jul2015, 13:30	0.2
FG01	0.0538	0.9	01Jul2015, 12:48	0.4
FG01-G1	0.0538	0.9	01Jul2015, 12:48	0.4
G1	0.1116	1.1	01Jul2015, 12:54	0.5
G1-G2	0.1116	1.1	01Jul2015, 13:00	0.5
FG02	0.0391	0.5	01Jul2015, 12:30	0.2
G2	0.2820	1.9	01Jul2015, 13:18	1.0
G2-G3	0.2820	1.9	01Jul2015, 13:30	1.0
FG03	0.0203	0.8	01Jul2015, 12:12	0.2
FG04	0.0172	0.9	01Jul2015, 12:06	0.1
G3	0.3195	2.4	01Jul2015, 13:24	1.3
G3-POND F	0.3195	2.4	01Jul2015, 13:30	1.3
FG06	0.0675	1.3	01Jul2015, 12:24	0.4
FG05	0.0580	2.4	01Jul2015, 12:30	0.6
OS07a	0.0170	0.1	01Jul2015, 12:48	0.1
OS07a-POND F	0.0170	0.1	01Jul2015, 13:30	0.1
POND F IN	0.4620	5.0	01Jul2015, 12:48	2.4
POND F	0.4620	2.3	01Jul2015, 16:48	1.7
POND F-G7	0.4620	2.3	01Jul2015, 17:00	1.7
FG21b	0.0170	4.0	01Jul2015, 12:12	0.4
FG21a	0.0072	0.0	01Jul2015, 13:06	0.0
FG21a-G7	0.0072	0.0	01Jul2015, 14:06	0.0
G7	0.4862	4.0	01Jul2015, 12:12	2.1
G7-G8	0.4862	3.8	01Jul2015, 12:12	2.1
FG22	0.1380	3.3	01Jul2015, 12:30	1.0
OS08	0.0406	0.7	01Jul2015, 12:24	0.2
OS08-G8	0.0406	0.7	01Jul2015, 12:30	0.2
FG23a	0.0216	0.8	01Jul2015, 12:18	0.2
OS07b	0.0156	0.1	01Jul2015, 12:48	0.1
OS07b-G7	0.0156	0.1	01Jul2015, 13:00	0.1
G8	0.7020	7.8	01Jul2015, 12:24	3.6
G8-G10	0.7020	7.8	01Jul2015, 12:30	3.6
OS09	0.1527	1.9	01Jul2015, 12:54	0.8
OS09-G10	0.1527	1.9	01Jul2015, 13:18	0.8
FG24	0.1373	4	01Jul2015, 12:30	1.1
G9	0.2900	4	01Jul2015, 13:12	1.9
G9-G10	0.2900	4.4	01Jul2015, 13:12	1.9
FG23b	0.0286	0	01Jul2015, 12:30	0.2
G10	1.0206	12.1	01Jul2015, 12:30	5.6
G10-G11	1.0206	12.0	01Jul2015, 12:36	5.5
FG23c	0.0122	0.4	01Jul2015, 12:18	0.1
G11	1.0328	12.3	01Jul2015, 12:36	5.6

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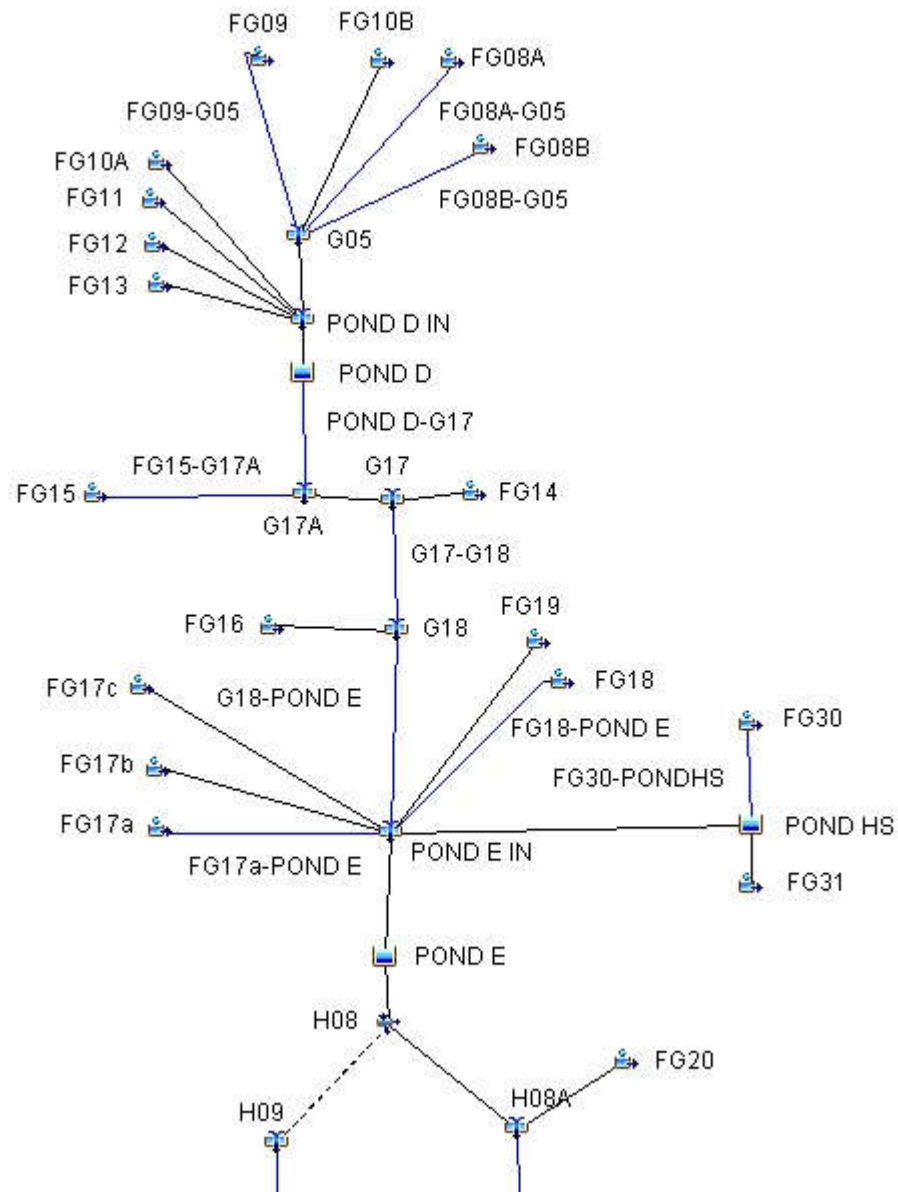
FUTURE MDDP (2-YEAR)				
HYDROLOGIC ELEMENT	DRAINAGE AREA (SQ. MI.)	PEAK DISCHARGE Q2 (CFS)	TIME OF PEAK	TOTAL VOLUME Q2 (AC. FT.)
FG25	0.1086	7.5	01Jul2015, 12:36	1.7
FG26	0.0863	5	01Jul2015, 12:24	1.0
FG26-POND G	0.0863	4.5	01Jul2015, 12:30	0.9
FG27	0.0500	5.0	01Jul2015, 12:24	0.8
FG28	0.0245	0.5	01Jul2015, 12:30	0.2
POND G IN	1.3022	28.4	01Jul2015, 12:30	9.2
POND G	1.3022	5	02Jul2015, 00:00	4.4
G12	1.3022	5	02Jul2015, 00:00	4.4
G12-G06	1.3022	5	02Jul2015, 00:00	4.3
FG29	0.0997	0.4	01Jul2015, 13:36	0.3
FG32	0.0402	11	01Jul2015, 12:06	1.0
FG32-G06	0.0402	11	01Jul2015, 12:12	1.0
G06	1.4421	11	01Jul2015, 12:12	5.6
FG08A	0.0750	13	01Jul2015, 12:12	1.5
FG08A-G05	0.0750	13.1	01Jul2015, 12:18	1.5
FG08B	0.0630	10.2	01Jul2015, 12:12	1.2
FG08B-G05	0.0630	10.0	01Jul2015, 12:18	1.2
FG09	0.0484	3.2	01Jul2015, 12:18	0.6
FG09-G05	0.0484	3	01Jul2015, 12:24	0.6
FG10B	0.0416	2.7	01Jul2015, 12:18	0.5
G05	0.2280	28.7	01Jul2015, 12:18	3.8
FG10A	0.0806	7	01Jul2015, 12:24	1.1
FG11	0.0625	9.8	01Jul2015, 12:18	1.4
FG13	0.0534	0.9	01Jul2015, 12:42	0.3
FG12	0.0328	7.8	01Jul2015, 12:12	0.8
POND D IN	0.4573	52.1	01Jul2015, 12:18	7.5
POND D	0.4573	3.7	01Jul2015, 19:54	3.0
POND D-G17	0.4573	3.7	01Jul2015, 19:54	3.0
FG15	0.0103	2	01Jul2015, 12:12	0.2
FG15-G17A	0.0103	2	01Jul2015, 12:12	0.2
G17A	0.4676	4	01Jul2015, 19:48	3.3
FG14	0.1000	9	01Jul2015, 12:24	1.6
G17	0.5676	12	01Jul2015, 12:24	4.9
G17-G18	0.5676	12	01Jul2015, 12:30	4.9
FG16	0.0791	18	01Jul2015, 12:06	1.9
G18	0.6467	25	01Jul2015, 12:12	6.7
G18-POND E	0.6467	25	01Jul2015, 12:12	6.7
FG31	0.0922	17	01Jul2015, 12:18	2.4
FG30	0.0389	11	01Jul2015, 12:06	1.0
FG30-PONDHS	0.0389	10.9	01Jul2015, 12:18	1.0
POND HS	0.1311	14.8	01Jul2015, 12:42	3.3
FG17a	0.0694	12	01Jul2015, 12:12	1.3
FG17a-POND E	0.0694	11.6	01Jul2015, 12:12	1.3
FG18	0.0644	4.7	01Jul2015, 12:30	0.9
FG18-POND E	0.0644	5	01Jul2015, 12:30	0.9
FG19	0.0527	13.1	01Jul2015, 12:12	1.4

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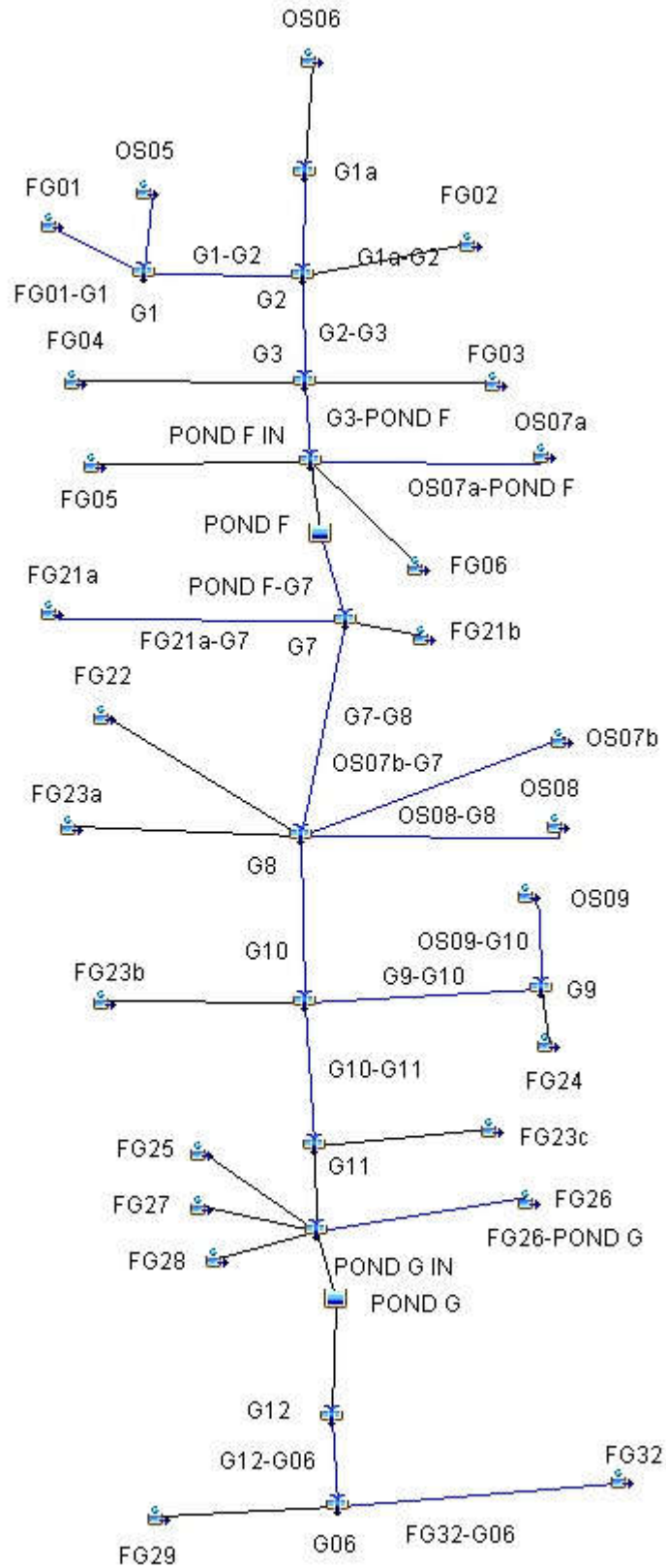
FUTURE MDDP (2-YEAR)				
HYDROLOGIC ELEMENT	DRAINAGE AREA (SQ. MI.)	PEAK DISCHARGE Q2 (CFS)	TIME OF PEAK	TOTAL VOLUME Q2 (AC. FT.)
FG17c	0.0313	0.5	01Jul2015, 12:18	0.2
FG17b	0.0214	6.1	01Jul2015, 12:06	0.6
POND E IN	1.0170	63.6	01Jul2015, 12:12	14.4
POND E	1.0170	5.8	02Jul2015, 00:00	4.9
H08	1.0170	3.5	02Jul2015, 00:00	3.0
H09	0.0000	2.3	02Jul2015, 00:00	2.0
FG34	0.0600	0.3	01Jul2015, 13:18	0.2
G14	0.0600	0.3	01Jul2015, 13:18	0.2
G14-G15	0.0600	0.3	01Jul2015, 13:48	0.2
FG35	0.0344	0.3	01Jul2015, 13:06	0.1
G15	0.0944	0.6	01Jul2015, 13:36	0.3
G15-G08	0.0944	0.6	01Jul2015, 13:48	0.3
FG37	0.0797	0.3	01Jul2015, 13:42	0.2
FG36	0.0281	0.1	01Jul2015, 13:42	0.1
FG36-G08	0.0281	0.1	01Jul2015, 14:00	0.1
G08	0.2022	1.0	01Jul2015, 13:48	0.6

Highlighted green rows reference key design points (Typical all charts this section)

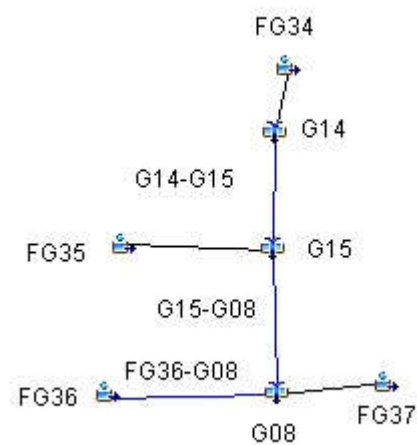
FUTURE CONDITIONS POND D & E NETWORK



FUTURE CONDITIONS POND F & G NETWORK



FUTURE CONDITIONS
ESTATES, NORTH OF REX RD



Appendix C - Detention Pond Information

STAGE/STORAGE/DISCHARGE CURVES FOR DETENTION POND ANALYSIS

Meridian Ranch Proposed Detention Pond D - Interim AS-BUILT

Geick Basin - El Paso County, Colorado

Data for spillway and embankment:

embankment length =	710
embankment elev =	7060
spillway length =	100
spillway elevation =	7058
100 year storage elev.=	7057.0
100 year storage vol.=	25.2
100 year discharge=	133
5 year storage elev.=	7053.8
5 year storage vol.=	7.1
5 year discharge=	11
WQCV storage vol.=	1.0
WQCV depth =	2.42

Data for outlet pipe and grate:

		Dimensions							
Type		Width (ft.) X Height (ft.)	Dia.(in)			(sqft)			
Rectangular	Orifice 1:	0.03	2.42		Area =	0.072	Elev to cl =	7050.21	
Circular	Orifice 2:			8	Area =	0.349	Elev to cl =	7051.42	
Rectangular	Orifice 3:	5	0.5		Area =	2.500	Elev to cl =	7053.35	
None Selected	Orifice 4:				Area =	0.000	Elev to cl =		
Stand Pipe Dimensions									
Rec Grate		6	x	4.25	Elev =	7054.9	50 year storage elev.=	7056.3	
Circ. Grate			dia.		Elev =		50 year storage vol.=	19.9	
Outlet Culvert Dimensions									
Outlet Culvert		Width (ft.)	Height (ft.)	Dia. (ft.)	Type		50 year discharge=	89	
					Circular		10 year storage elev.=	7054.6	
Area		12.6	TOP				10 year storage vol.=	10.6	
Outlet I. E.		7048.1	7052.5				10 year discharge=	18	
Wall Thick.		5	in.				2 year storage elev.=	7053.1	
							2 year storage vol.=	4.6	
							2 year discharge=	3.6	

STAGE		STORAGE				DISCHARGE										REALIZED CULVERT		TOTAL
ELEV	HEIGHT	AREA		VOLUME		TOP OF	SPILLWAY	ORIFICE (max outflow)			4	GRATE (max outflow)	PIPE		OUTFLOW	FLOW		
		sqft	acre	acft	cum acft	BANK		1	2	3		Rectangular	1	2				
7049	0	0	0.0	0.00	0.00	-	-	-	-	-	-	-	13	-	0.2	0.15		
7050	1	10705	0.2	0.1	0.12	-	-	0.2	-	-	-	-	33	-	0.3	0.31		
7051	2	36676	0.8	0.5	0.67	-	-	0.3	-	-	-	-	60	-	1.8	1.8		
7052	3	71989	1.7	1.2	1.91	-	-	0.5	1.3	-	-	-	90	-	2.7	2.7		
7053	4	133440	3.1	2.4	4.27	-	-	0.6	2.1	-	-	-	119	-	13.1	13		
7054	5	178828	4.1	3.6	7.86	-	-	0.7	2.7	9.7	-	-	139	-	21	21		
7055	6	221269	5.1	4.6	12.45	-	-	0.8	3.2	15.5	-	1.4	148	-	42	42		
7055.5	6.5	245509	5.6	2.7	15.13	-	-	0.8	3.4	17.7	-	20.2	157	-	74	74		
7056	7	269749	6.2	5.6	18.08	-	-	0.8	3.6	20	-	50	188	-	188	188		
7058	9	337508	7.7	13.9	32.03	-	-	1.0	4.3	26	-	216	214	-	214	1,063		
7060	11	405520	9.3	31.0	49.09	-	848.5	1.1	4.9	31	-	277						
						-	-	-	-	-	-	-			-	-		

- Notes:
- 1) Top-of-bank and spillway flows are weir equations from section 11.3.1 in the DCM. $Q=CLH^{1.5}$ (C=3.0)
 - 2) Orifice flows are also from section 11.3.1. $Q=CA(2gH)^{.5}$ (C=.6)
 - 3) Grate flows are determined from equations 7-2 and 7-3. Weir Flow $Q=(3PH^{1.5})/F$, Orifice Flow $Q=4.815*AH^{0.5}$
 - 4) Pipe flows use the lesser of: 1) Inlet control equations 27 & 28, page 146 of HDS No. 5 - or - 2) Allowable Pipe Flow equation on page 11-9 of the DCM. Use Table 9, page 147-148, HDS No. 5 for formulas 26 & 27.

STAGE/STORAGE/DISCHARGE CURVES FOR DETENTION POND ANALYSIS

Meridian Ranch Existing Detention Pond E- INTERIM (TOTAL FLOWS)

Gieck Basin - El Paso County, Colorado

embankment length =	1860
embankment elev =	6976
spillway length =	200
spillway elevation =	6974.5
100 year storage elev.=	6973.4
100 year storage vol.=	40.7
100 year discharge=	221
5 year storage elev.=	6971.2
5 year storage vol.=	16.4
5 year discharge=	12
WQCV storage elev.=	6968.9
WQCV storage vol.=	1.5
WQCV depth =	1.9

50 year storage elev.=	6973.0
50 year storage vol.=	35.1
50 year discharge=	135
10 year storage elev.=	6971.7
10 year storage vol.=	21.5
10 year discharge=	25
2 year storage elev.=	6970.4
2 year storage vol.=	9.4
2 year discharge=	5.4

STAGE		STORAGE				TOTAL DISCHARGE										REALIZED CULVERT OUTFLOW	TOTAL FLOW
ELEV	HEIGHT	AREA		VOLUME		TOP OF BANK	SPILLWAY	ORIFICE (max outflow)			4	GRATE (max outflow)		PIPE			
		sqft	acre	acft	cum acft			1	2	3		Rectangular	1	2			
6967	0	1808	0.04	0.0	0.00	-	-	-	-	-	-	-	-	1.4	-	-	-
6967.5	0.5	16136.5	0.37	0.1	0.10	-	-	0.0	-	-	-	-	-	13	-	0.03	0.03
6968	1	30465	0.70	0.3	0.37	-	-	0.1	-	-	-	-	-	26	-	0.11	0.11
6968.5	1.5	81028.5	1.86	0.6	1.01	-	-	0.2	-	-	-	-	-	47	-	0.23	0.23
6969	2	131592	3.02	1.2	2.23	-	-	0.4	-	-	-	-	-	77	-	0.4	0.37
6969.5	2.5	201294.5	4.62	1.9	4.14	-	-	0.5	-	3.0	-	-	-	110	-	3.5	3.5
6970	3	270997	6.22	4.6	6.85	-	-	0.6	-	4	-	-	-	146	-	5	4.9
6970.5	3.5	329360	7.56	3.4	10.30	-	-	0.6	0.2	5	-	-	-	183	-	6	6.1
6970.75	3.75	358540.75	8.23	2.0	12.27	-	-	0.7	1.2	6	-	-	-	203	-	8	7.6
6971	4	387722	8.90	7.6	14.41	-	-	0.7	3.1	6	-	-	-	218	-	10	9.8
6971.25	4.25	408751	9.38	2.3	16.70	-	-	0.7	5.5	6	0.20	-	-	236	-	13	13
6971.5	4.5	429780	9.87	4.7	19.10	-	-	0.7	8	7	3.0	-	-	252	-	18	18
6971.75	4.75	450809	10.35	2.5	21.63	-	-	0.8	10	7	7.3	-	-	266	-	25	25
6972	5	471838	10.83	5.2	24.28	-	-	0.8	12	7	13	2.4	-	280	-	35	35
6972.25	5.25	482595.75	11.08	2.7	27.02	-	-	0.8	13	8	17	16	-	292	-	54	54
6972.5	5.5	493354	11.33	5.5	29.82	-	-	0.8	14	8	20	35	-	304	-	78	78
6973	6	514869	11.82	5.8	35.60	-	-	0.9	16	9	30	87	-	327	-	142	142
6973.25	6.25	518272	11.90	3.0	38.57	-	-	0.9	17	9	35	121	-	338	-	183	183
6973.5	6.5	521675	11.98	5.9	41.55	-	-	0.9	18	9	41	163	-	349	-	232	232
6974	7	528481	12.13	12.0	47.58	-	-	1.0	20	10	53	259	-	369	-	307	307
6976	9	553685	12.71	24.8	72.42	-	1,102	1.1	25	11	83	729	-	443	-	443	1,545

Notes: 1) Top-of-bank and spillway flows are weir equations from section 11.3.1 in the DCM. $Q = CLH^{1.5}$ (C=3.0)

2) Orifice flows are also from section 11.3.1. $Q = CA(2gH)^{0.5}$ (C=.6)

3) Grate flows are determined from equations 7-2 and 7-3. Weir Flow $Q = (3PH^{1.5})/F$, Orifice Flow $Q = 4.815*AH^{0.5}$

4) Pipe flows use the lesser of: 1) Inlet control equations 27 & 28, page 146 of HDS No. 5 - or - 2) Allowable Pipe Flow equation on page 11-9 of the DCM. Use Table 9, page 147-148, HDS No. 5 for formulas 26 & 27.

STAGE/STORAGE/DISCHARGE CURVES FOR DETENTION POND ANALYSIS

Meridian Ranch Existing Detention Pond E-INTERIM (H08)

Gieck Basin - El Paso County, Colorado

Data for spillway and embankment:

embankment length =	1860
embankment elev =	6976
spillway length =	200
spillway elevation =	6974
100 year storage elev.=	6973.4
100 year storage vol.=	40.7
100 year discharge=	190
5 year storage elev.=	6971.2
5 year storage vol.=	16.4
5 year discharge=	9
WQCV storage elev.=	6968.9
WQCV storage vol.=	1.5
1/2 WQCV storage elev.=	0.0
1/2 WQCV storage vol.=	0.0

Data for outlet pipe and grate:

		Dimensions						
Type	H or V	Width (ft.)	X Height (ft.)	Dia.(in)		(sqft)		
Rectangular	Orifice 1:	V	0.0248	1.65		Area =	0.041	Invert Elev = 6967.18
Rectangular	Orifice 2:	V	2	0.8		Area =	1.600	Invert Elev = 6970.40
Circular	Orifice 3:	H		10		Area =	0.545	Invert Elev = 6969.00
Rectangular	Orifice 4:	V	6	0.7		Area =	4.200	Invert Elev = 6971.20

Stand Pipe Dimensions

Rec Grate		11	x	7	Elev =	6971.90
Circ. Grate			dia.		Elev =	6971.90

Outlet Culvert Dimensions

	Width (ft.)	Height (ft.)	Dia. (ft.)	Type
Outlet Culvert		x	3.5	Circular
Area	9.6	TOP		
Outlet I. E.	6966.8	6970.58		
Wall Thick.	4	in.		

50 year storage elev.=	6973.0
50 year discharge=	122
10 year storage elev.=	6971.7
10 year discharge=	19
2 year storage elev.=	6970.4
2 year discharge=	3.3

STAGE		STORAGE				DISCHARGE											
ELEV	HEIGHT	AREA		VOLUME		TOP OF	SPILLWAY	ORIFICE (max outflow)				GRATE (max outflow)	PIPE		REALIZED CULVERT	TOTAL	
		sqft	acre	acft	cum acft	BANK		1	2	3	4	Rectangular	1	2	OUTFLOW	FLOW	
6967	0	1808	0.04	0.0	0.0			-	-	-	-	-	0.91		-	-	
6967.5	0.5	16136.5	0.37	0.1	0.1			0.0	-	-	-	-	8.0		0.01	0.01	
6968	1	30465	0.70	0.3	0.4			0.1	-	-	-	-	18		0.06	0.06	
6968.5	1.5	81028.5	1.86	0.6	1.0			0.1	-	-	-	-	30		0.11	0.11	
6969	2	131592	3.02	1.2	2.2			0.2	-	-	-	-	52		0.2	0.2	
6969.5	2.5	201294.5	4.62	1.9	4.1			0.2	-	1.9	-	-	75		2.1	2.1	
6970	3	270997	6.22	4.6	6.9			0.3	-	2.6	-	-	97		2.9	2.9	
6970.5	3.5	329359.5	7.56	3.4	10			0.3	0.2	3.2	-	-	122		3.7	3.7	
6970.75	3.75	358540.75	8.23	2.0	12.3			0.3	1.2	3.5	-	-	135		5	5.0	
6971	4	387722	8.90	7.6	14			0.3	2.8	3.7	-	-	146		7	6.8	
6971.25	4.25	408751	9.38	2.3	17			0.4	4.7	3.9	0.2	-	157		9	9.2	
6971.5	4.5	429780	9.87	4.7	19			0.4	6.4	4	3.0	-	167		14	14	
6971.75	4.75	450809	10.35	2.5	22			0.4	7.5	4	7.3	-	176		20	20	
6972	5	471838	10.83	5.2	24			0.4	8	5	13	2	185		29	29	
6972.25	5.25	482595.75	11.08	2.7	27			0.4	9	5	17	16	193		47	47	
6972.5	5.5	493354	11.33	5.5	30			0.4	10	5	20	35	201		70	70	
6973	6	514869	11.82	5.8	36			0.4	11	5	24	87	217		128	128	
6973.25	6.25	518272	11.90	3.0	39			0.5	12	5	26	118	224		162	162	
6973.5	6.5	521675	11.98	5.9	42			0.5	13	6	28	152	231		199	199	
6974	7	528481	12.13	12.0	48			0.5	14	6	32	228	244		244	244	
6976	9	553685	12.71	24.8	72			0.6	18	7	43	623	291		291	291	

- Notes:
- 1) Top-of-bank and spillway flows are weir equations from section 11.3.1 in the DCM. $Q = CLH^{1.5}$ (C=3.0)
 - 2) Orifice flows are also from section 11.3.1. $Q = CA(2gH)^{0.5}$ (C=6)
 - 3) Grate flows are determined from equations 7-2 and 7-3. Weir Flow $Q = (3PH^{1.5})/F$, Orifice Flow $Q = 4.815*AH^{0.5}$
 - 4) Pipe flows use the lesser of: 1) Inlet control equations 27 & 28, page 146 of HDS No. 5 - or - 2) Allowable Pipe Flow equation on page 11-9 of the DCM. Use Table 9, page 147-148, HDS No. 5 for formulas 26 & 27.

STAGE/STORAGE/DISCHARGE CURVES FOR DETENTION POND ANALYSIS

Meridian Ranch Existing Detention Pond E-INTERIM (H09)

Gieck Basin - El Paso County, Colorado

Data for spillway and embankment:

embankment length =	1860
embankment elev =	6976
spillway length =	200
spillway elevation =	6974.5
100 year storage elev.=	6973.4
100 year storage vol.=	40.7
100 year discharge=	30
5 year storage elev.=	6971.2
5 year storage vol.=	16.4
5 year discharge=	3.5
WQCV storage elev.=	6968.9
WQCV storage vol.=	1.5

Data for outlet pipe and grate:

		Dimensions							
Type	H or V	Width (ft.)	X Height (ft.)	Dia.(in)		(sqft)			
Rectangular	Orifice 1:	V	0.0248	1.65		Area =	0.041	Invert Elev =	6967.18
Rectangular	Orifice 2:	V	0.75	1		Area =	0.750	Invert Elev =	6970.75
Circular	Orifice 3:	H		8		Area =	0.349	Invert Elev =	6969.00
Rectangular	Orifice 4:	V	3.5	1.25		Area =	4.375	Invert Elev =	6971.75
Stand Pipe Dimensions									
Rec Grate		4.25	x	3	Elev =	6973.00			
Circ. Grate			dia.		Elev =	6973.00			

Outlet Culvert Dimensions

	Width (ft.)		Height (ft.)	Dia. (ft.)	Type
Outlet Culvert		x		3.5	Circular
Area	9.6		TOP		
Outlet I. E.	6966.8		6970.7		
Wall Thick.	5	in.			

50 year storage elev.=	6973.0
50 year discharge=	13
10 year storage elev.=	6971.7
10 year discharge=	5.4
2 year storage elev.=	6970.4
2 year discharge=	2.1

STAGE		STORAGE				DISCHARGE										REALIZED CULVERT OUTFLOW	TOTAL FLOW
ELEV	HEIGHT	AREA		VOLUME		TOP OF BANK	SPILLWAY	ORIFICE (max outflow)			4	GRATE (max outflow)	PIPE				
		sqft	acre	acft	cum acft			1	2	3		Rectangular	1	2			
6967	0	1808	0.04	0.0	0.0			-	-	-	-	-		0.45		-	-
6967.5	0.5	16136.5	0.37	0.1	0.1			0.0	-	-	-	-	-	5.0		0.01	0.01
6968	1	30465	0.70	0.3	0.4			0.1	-	-	-	-	-	8.8		0.06	0.06
6968.5	1.5	81028.5	1.86	0.6	1.0			0.1	-	-	-	-	-	17		0.11	0.11
6969	2	131592	3.02	1.2	2.2			0.2	-	-	-	-	-	26		0.2	0.18
6969.5	2.5	201294.5	4.62	1.9	4.1			0.2	-	1.2	-	-	-	35		1.4	1.4
6970	3	270997	6.22	4.6	6.9			0.3	-	1.7	-	-	-	48		2.0	2.0
6970.5	3.5	329359.5	7.56	3.4	10.3			0.3	-	2.1	-	-	-	61		2.4	2.4
6970.75	3.75	358540.75	8.23	2.0	12.3			0.3	-	2.2	-	-	-	68		2.6	2.6
6971	4	387722	8.90	7.6	14.4			0.3	0.3	2.4	-	-	-	73		3.0	3.0
6971.25	4.25	408751	9.38	2.3	16.7			0.4	0.8	2.5	-	-	-	79		3.7	3.7
6971.5	4.5	429780	9.87	4.7	19.1			0.4	1.5	2.7	-	-	-	85		4.5	4.5
6971.75	4.75	450809	10.35	2.5	21.6			0.4	2.3	2.8	-	-	-	90		5.4	5.4
6972	5	471838	10.83	5.2	24.3			0.4	3.1	2.9	-	-	-	95		6.4	6.4
6972.25	5.25	482595.75	11.08	2.7	27.0			0.4	3.6	3.0	-	-	-	99		7.0	7.0
6972.5	5.5	493354	11.33	5.5	29.8			0.4	4.0	3.1	0.5	-	-	103		8	8.1
6973	6	514869	11.82	5.8	35.6			0.4	4.8	3.4	5.2	-	-	111		14	14
6973.25	6.25	518272	11.90	3.0	38.6			0.5	5.1	3.5	8.6	4	-	114		21	21
6973.5	6.5	521675	11.98	5.9	41.6			0.5	5.4	3.6	13	11	-	118		33	33
6974	7	528481	12.13	12.0	47.6			0.5	6.0	3.8	22	31	-	125		63	63
6976	9	553685	12.71	24.8	72.4			0.6	7.9	4.4	40	106	-	151		151	151

- Notes:
- 1) Top-of-bank and spillway flows are weir equations from section 11.3.1 in the DCM. $Q = CLH^{1.5}$ (C=3.0)
 - 2) Orifice flows are also from section 11.3.1. $Q = CA(2gH)^{0.5}$ (C=.6)
 - 3) Grate flows are determined from equations 7-2 and 7-3. Weir Flow $Q = (3PH^{1.5})/F$, Orifice Flow $Q = 4.815*AH^{0.5}$

- 4) Pipe flows use the lesser of: 1) Inlet control equations 27 & 28, page 146 of HDS No. 5 - or - 2) Allowable Pipe Flow equation on page 11-9 of the DCM. Use Table 9, page 147-148, HDS No. 5 for formulas 26 & 27.

STAGE/STORAGE/DISCHARGE CURVES FOR DETENTION POND ANALYSIS

Meridian Ranch Proposed Detention Pond D - Future AS-BUILT

Geick Basin - El Paso County, Colorado

Data for spillway and embankment:

embankment length =	710
embankment elev =	7060
spillway length =	100
spillway elevation =	7058
100 year storage elev.=	7057.0
100 year storage vol.=	25.3
100 year discharge=	133
5 year storage elev.=	7053.8
5 year storage vol.=	6.9
5 year discharge=	11
WQCV storage vol.=	1.0
WQCV depth =	2.42

Data for outlet pipe and grate:

		Dimensions					
Type		Width (ft.) X Height (ft.)		Dia.(in)		(sqft)	
Rectangular	Orifice 1:	0.03	2.42		Area =	0.072	Elev to cl = 7050.21
Circular	Orifice 2:			8	Area =	0.349	Elev to cl = 7051.42
Rectangular	Orifice 3:	5	0.5		Area =	2.500	Elev to cl = 7053.35
None Selected	Orifice 4:				Area =	0.000	Elev to cl =
Stand Pipe Dimensions							
Rec Grate		6	x	4.25	Elev =	7054.9	50 year storage elev.= 7056.3
Circ. Grate			dia.		Elev =		50 year storage vol.= 20.0
Outlet Culvert Dimensions							
		Width (ft.)		Height (ft.)		Dia. (ft.)	50 year discharge= 90
Outlet Culvert			x				10 year storage elev.= 7054.6
Area		12.6		TOP			10 year storage vol.= 10.7
Outlet I. E.		7048.1		7052.5			10 year discharge= 18
Wall Thick.		5	in.				2 year storage elev.= 7053.1
							2 year storage vol.= 4.6
							2 year discharge= 3.7

STAGE		STORAGE				DISCHARGE										
ELEV	HEIGHT	AREA		VOLUME		TOP OF	SPILLWAY	ORIFICE (max outflow)				GRATE (max outflow)	PIPE		REALIZED CULVERT	TOTAL FLOW
		sqft	acre	acft	cum acft	BANK		1	2	3	4	Rectangular	1	2	OUTFLOW	
7049	0	0	0.0	0.00	0.00			-								
7050	1	10705	0.2	0.1	0.12	-	-	0.2	-	-	-	-	13		0.2	0.15
7051	2	36676	0.8	0.5	0.67	-	-	0.3	-	-	-	-	33		0.3	0.31
7052	3	71989	1.7	1.2	1.91	-	-	0.5	1.3	-	-	-	60		1.8	1.8
7053	4	133440	3.1	2.4	4.27	-	-	0.6	2.1	-	-	-	90		2.7	2.7
7054	5	178828	4.1	3.6	7.86	-	-	0.7	2.7	9.7	-	-	119		13.1	13
7055	6	221269	5.1	4.6	12.45	-	-	0.8	3.2	15.5	-	1.4	139		21	21
7055.5	6.5	245509	5.6	2.7	15.13	-	-	0.8	3.4	17.7	-	20.2	148		42	42
7056	7	269749	6.2	5.6	18.08	-	-	0.8	3.6	20	-	50	157		74	74
7058	9	337508	7.7	13.9	32.03	-	-	1.0	4.3	26	-	216	188		188	188
7060	11	405520	9.3	31.0	49.09	-	848.5	1.1	4.9	31	-	277	214		214	1,063
						-	-	-	-	-	-	-			-	-

- Notes:
- 1) Top-of-bank and spillway flows are weir equations from section 11.3.1 in the DCM. $Q = CLH^{1.5}$ (C=3.0)
 - 2) Orifice flows are also from section 11.3.1. $Q = CA(2gH)^{0.5}$ (C=.6)
 - 3) Grate flows are determined from equations 7-2 and 7-3. Weir Flow $Q = (3PH^{1.5})/F$, Orifice Flow $Q = 4.815*AH^{0.5}$
 - 4) Pipe flows use the lesser of: 1) Inlet control equations 27 & 28, page 146 of HDS No. 5 - or - 2) Allowable Pipe Flow equation on page 11-9 of the DCM. Use Table 9, page 147-148, HDS No. 5 for formulas 26 & 27.

STAGE/STORAGE/DISCHARGE CURVES FOR DETENTION POND ANALYSIS

Meridian Ranch Existing Detention Pond E- FINAL FUTURE (TOTAL FLOWS)

Gieck Basin - El Paso County, Colorado

embankment length =	1860
embankment elev =	6976
spillway length =	200
spillway elevation =	6974.5
100 year storage elev.=	6973.5
100 year storage vol.=	42.1
100 year discharge=	239
5 year storage elev.=	6971.3
5 year storage vol.=	17.2
5 year discharge=	14
WQCV storage elev.=	6968.9
WQCV storage vol.=	1.5
WQCV depth =	1.9

50 year storage elev.=	6973.0
50 year storage vol.=	36.1
50 year discharge=	149
10 year storage elev.=	6971.8
10 year storage vol.=	22.4
10 year discharge=	28
2 year storage elev.=	6970.5
2 year storage vol.=	9.9
2 year discharge=	5.8

STAGE		STORAGE				TOTAL DISCHARGE											
ELEV	HEIGHT	AREA		VOLUME		TOP OF	SPILLWAY	ORIFICE (max outflow)				GRATE (max outflow)		PIPE		REALIZED CULVERT OUTFLOW	TOTAL FLOW
		sqft	acre	acft	cum acft	BANK		1	2	3	4	Rectangular		1	2		
6967	0	1808	0.04	0.0	0.00			-	-	-	-	-	-	1.4	-	-	-
6967.5	0.5	16136.5	0.37	0.1	0.10	-	-	0.0	-	-	-	-	-	13	-	0.03	0.03
6968	1	30465	0.70	0.3	0.37	-	-	0.1	-	-	-	-	-	26	-	0.11	0.11
6968.5	1.5	81028.5	1.86	0.6	1.01	-	-	0.2	-	-	-	-	-	47	-	0.23	0.23
6969	2	131592	3.02	1.2	2.23	-	-	0.4	-	-	-	-	-	77	-	0.4	0.37
6969.5	2.5	201294.5	4.62	1.9	4.14	-	-	0.5	-	3.0	-	-	-	110	-	3.5	3.5
6970	3	270997	6.22	4.6	6.85	-	-	0.6	-	4	-	-	-	146	-	5	4.9
6970.5	3.5	329360	7.56	3.4	10.30	-	-	0.6	0.2	5	-	-	-	183	-	6	6.1
6970.75	3.75	358540.75	8.23	2.0	12.27			0.7	1.2	6	-	-	-	203	-	8	7.6
6971	4	387722	8.90	7.6	14.41	-	-	0.7	3.1	6		-	-	218	-	10	9.8
6971.25	4.25	408751	9.38	2.3	16.70	-	-	0.7	5.5	6	0.20	-	-	236	-	13	13
6971.5	4.5	429780	9.87	4.7	19.10	-	-	0.7	8	7	3.0	-	-	252	-	18	18
6971.75	4.75	450809	10.35	2.5	21.63	-	-	0.8	10	7	7.3	-	-	266	-	25	25
6972	5	471838	10.83	5.2	24.28	-	-	0.8	12	7	13	2.4	-	280	-	35	35
6972.25	5.25	482595.75	11.08	2.7	27.02	-	-	0.8	13	8	17	16	-	292	-	54	54
6972.5	5.5	493354	11.33	5.5	29.82	-	-	0.8	14	8	20	35	-	304	-	78	78
6973	6	514869	11.82	5.8	35.60	-	-	0.9	16	9	30	87	-	327	-	142	142
6973.25	6.25	518272	11.90	3.0	38.57	-	-	0.9	17	9	35	121	-	338	-	183	183
6973.5	6.5	521675	11.98	5.9	41.55	-	-	0.9	18	9	41	163	-	349	-	232	232
6974	7	528481	12.13	12.0	47.58	-	-	1.0	20	10	53	259	-	369	-	307	307
6976	9	553685	12.71	24.8	72.42	-	1,102	1.1	25	11	83	729	-	443	-	443	1,545

- Notes:
- 1) Top-of-bank and spillway flows are weir equations from section 11.3.1 in the DCM. $Q=CLH^{1.5}$ (C=3.0)
 - 2) Orifice flows are also from section 11.3.1. $Q=CA(2gH)^{0.5}$ (C=.6)
 - 3) Grate flows are determined from equations 7-2 and 7-3. Weir Flow $Q=(3PH^{1.5})/F$, Orifice Flow $Q=4.815*AH^{0.5}$

4) Pipe flows use the lesser of: 1) Inlet control equations 27 & 28, page 146 of HDS No. 5 - or - 2) Allowable Pipe Flow equation on page 11-9 of the DCM. Use Table 9, page 147-148, HDS No. 5 for formulas 26 & 27.

STAGE/STORAGE/DISCHARGE CURVES FOR DETENTION POND ANALYSIS

Meridian Ranch Existing Detention Pond E-FINAL FUTURE (H08)

Gieck Basin - El Paso County, Colorado

Data for spillway and embankment:

embankment length =	1860
embankment elev =	6976
spillway length =	200
spillway elevation =	6974
100 year storage elev.=	6973.5
100 year storage vol.=	42.1
100 year discharge=	203
5 year storage elev.=	6971.3
5 year storage vol.=	17.2
5 year discharge=	10
WQCV storage elev.=	6968.9
WQCV storage vol.=	1.5
1/2 WQCV storage elev.=	0.0
1/2 WQCV storage vol.=	0.00

Data for outlet pipe and grate:

		Dimensions							
Type	H or V	Width (ft.)	X Height (ft.)	Dia.(in)		(sqft)			
Rectangular	Orifice 1:	V	0.0248	1.65		Area =	0.041	Invert Elev =	6967.18
Rectangular	Orifice 2:	V	2	0.8		Area =	1.600	Invert Elev =	6970.40
Circular	Orifice 3:	H		10		Area =	0.545	Invert Elev =	6969.00
Rectangular	Orifice 4:	V	6	0.7		Area =	4.200	Invert Elev =	6971.20
Stand Pipe Dimensions									
Rec Grate		11	x	7	Elev =	6971.90			
Circ. Grate			dia.		Elev =	6971.90			

50 year storage elev.=	6973.0
50 year discharge=	134
10 year storage elev.=	6971.8
10 year discharge=	22
2 year storage elev.=	6970.5
2 year discharge=	3.5

Outlet Culvert Dimensions

	Width (ft.)	Height (ft.)	Dia. (ft.)	Type
Outlet Culvert		x	3.5	Circular
Area	9.6	TOP		
Outlet I. E.	6966.8	6970.58		
Wall Thick.	4	in.		

STAGE		STORAGE				DISCHARGE										REALIZED CULVERT OUTFLOW	TOTAL FLOW
ELEV	HEIGHT	AREA		VOLUME		TOP OF BANK	SPILLWAY	ORIFICE (max outflow)			4	GRATE (max outflow)	PIPE				
		sqft	acre	acft	cum acft			1	2	3		Rectangular	1	2			
6967	0	1808	0.04	0.0	0.0			-	-	-	-	-		0.91		-	-
6967.5	0.5	16136.5	0.37	0.1	0.1			0.0	-	-	-	-		8.0		0.01	0.01
6968	1	30465	0.70	0.3	0.4			0.1	-	-	-	-		18		0.06	0.06
6968.5	1.5	81028.5	1.86	0.6	1.0			0.1	-	-	-	-		30		0.11	0.11
6969	2	131592	3.02	1.2	2.2			0.2	-	-	-	-		52		0.2	0.2
6969.5	2.5	201294.5	4.62	1.9	4.1			0.2	-	1.9	-	-		75		2.1	2.1
6970	3	270997	6.22	4.6	6.9			0.3	-	2.6	-	-		97		2.9	2.9
6970.5	3.5	329359.5	7.56	3.4	10			0.3	0.2	3.2	-	-		122		3.7	3.7
6970.75	3.75	358540.75	8.23	2.0	12.3			0.3	1.2	3.5	-	-		135		5	5.0
6971	4	387722	8.90	7.6	14			0.3	2.8	3.7	-	-		146		7	6.8
6971.25	4.25	408751	9.38	2.3	17			0.4	4.7	3.9	0.2	-		157		9	9.2
6971.5	4.5	429780	9.87	4.7	19			0.4	6.4	4	3.0	-		167		14	14
6971.75	4.75	450809	10.35	2.5	22			0.4	7.5	4	7.3	-		176		20	20
6972	5	471838	10.83	5.2	24			0.4	8	5	13	2		185		29	29
6972.25	5.25	482595.75	11.08	2.7	27			0.4	9	5	17	16		193		47	47
6972.5	5.5	493354	11.33	5.5	30			0.4	10	5	20	35		201		70	70
6973	6	514869	11.82	5.8	36			0.4	11	5	24	87		217		128	128
6973.25	6.25	518272	11.90	3.0	39			0.5	12	5	26	118		224		162	162
6973.5	6.5	521675	11.98	5.9	42			0.5	13	6	28	152		231		199	199
6974	7	528481	12.13	12.0	48			0.5	14	6	32	228		244		244	244
6976	9	553685	12.71	24.8	72			0.6	18	7	43	623		291		291	291

- Notes:
- 1) Top-of-bank and spillway flows are weir equations from section 11.3.1 in the DCM. $Q = CLH^{1.5}$ (C=3.0)
 - 2) Orifice flows are also from section 11.3.1. $Q = CA(2gH)^{0.5}$ (C=.6)
 - 3) Grate flows are determined from equations 7-2 and 7-3. Weir Flow $Q = (3PH^{1.5})/F$, Orifice Flow $Q = 4.815*AH^{0.5}$

- 4) Pipe flows use the lesser of: 1) Inlet control equations 27 & 28, page 146 of HDS No. 5 - or - 2) Allowable Pipe Flow equation on page 11-9 of the DCM. Use Table 9, page 147-148, HDS No. 5 for formulas 26 & 27.

STAGE/STORAGE/DISCHARGE CURVES FOR DETENTION POND ANALYSIS

Meridian Ranch Existing Detention Pond E-FINAL FUTURE (H09)

Gieck Basin - El Paso County, Colorado

Data for spillway and embankment:

embankment length =	1860
embankment elev =	6976
spillway length =	200
spillway elevation =	6974.5
100 year storage elev.=	6973.5
100 year storage vol.=	42.1
100 year discharge=	36
5 year storage elev.=	6971.3
5 year storage vol.=	17.2
5 year discharge=	3.8
WQCV storage elev.=	6968.9
WQCV storage vol.=	1.5
1/2 WQCV storage elev.=	0.0
1/2 WQCV storage vol.=	0.0

Data for outlet pipe and grate:

Type	H or V	Dimensions Width (ft.) X Height (ft.)	Dia.(in)	(sqft)
Rectangular	Orifice 1:	V	0.0248	1.65
Rectangular	Orifice 2:	V	0.75	1
Circular	Orifice 3:	H		8
Rectangular	Orifice 4:	V	3.5	1.25
Area =				0.041
Invert Elev =				6967.18
Area =				0.750
Invert Elev =				6970.75
Area =				0.349
Invert Elev =				6969.00
Area =				4.375
Invert Elev =				6971.75

Stand Pipe Dimensions

Rec Grate	4.25	x	3	Elev =	6973.00
Circ. Grate		dia.		Elev =	6973.00

50 year storage elev.=	6973.0
50 year discharge=	15
10 year storage elev.=	6971.8
10 year discharge=	5.7
2 year storage elev.=	6970.5
2 year discharge=	2.3

Outlet Culvert Dimensions

Outlet Culvert	Width (ft.)		Height (ft.)	Dia. (ft.)	Type
Area	9.6		TOP	3.5	Circular
Outlet I. E.	6966.8		6970.7		
Wall Thick.	5	in.			

STAGE		STORAGE				DISCHARGE										REALIZED CULVERT OUTFLOW	TOTAL FLOW
ELEV	HEIGHT	AREA		VOLUME		TOP OF BANK	SPILLWAY	ORIFICE (max outflow)			4	GRATE (max outflow)	PIPE				
		sqft	acre	acft	cum acft			1	2	3		Rectangular	1	2			
6967	0	1808	0.04	0.0	0.0			-	-	-	-	-		0.45		-	-
6967.5	0.5	16136.5	0.37	0.1	0.1			0.0	-	-	-	-		5.0		0.01	0.01
6968	1	30465	0.70	0.3	0.4			0.1	-	-	-	-		8.8		0.06	0.06
6968.5	1.5	81028.5	1.86	0.6	1.0			0.1	-	-	-	-		17		0.11	0.11
6969	2	131592	3.02	1.2	2.2			0.2	-	-	-	-		26		0.2	0.18
6969.5	2.5	201294.5	4.62	1.9	4.1			0.2	-	1.2	-	-		35		1.4	1.4
6970	3	270997	6.22	4.6	6.9			0.3	-	1.7	-	-		48		2.0	2.0
6970.5	3.5	329359.5	7.56	3.4	10.3			0.3	-	2.1	-	-		61		2.4	2.4
6970.75	3.75	358540.75	8.23	2.0	12.3			0.3	-	2.2	-	-		68		2.6	2.6
6971	4	387722	8.90	7.6	14.4			0.3	0.3	2.4	-	-		73		3.0	3.0
6971.25	4.25	408751	9.38	2.3	16.7			0.4	0.8	2.5	-	-		79		3.7	3.7
6971.5	4.5	429780	9.87	4.7	19.1			0.4	1.5	2.7	-	-		85		4.5	4.5
6971.75	4.75	450809	10.35	2.5	21.6			0.4	2.3	2.8	-	-		90		5.4	5.4
6972	5	471838	10.83	5.2	24.3			0.4	3.1	2.9	-	-		95		6.4	6.4
6972.25	5.25	482595.75	11.08	2.7	27.0			0.4	3.6	3.0	-	-		99		7.0	7.0
6972.5	5.5	493354	11.33	5.5	29.8			0.4	4.0	3.1	0.5	-		103		8	8.1
6973	6	514869	11.82	5.8	35.6			0.4	4.8	3.4	5.2	-		111		14	14
6973.25	6.25	518272	11.90	3.0	38.6			0.5	5.1	3.5	8.6	4		114		21	21
6973.5	6.5	521675	11.98	5.9	41.6			0.5	5.4	3.6	13	11		118		33	33
6974	7	528481	12.13	12.0	47.6			0.5	6.0	3.8	22	31		125		63	63
6976	9	553685	12.71	24.8	72.4			0.6	7.9	4.4	40	106		151		151	151

Notes: 1) Top-of-bank and spillway flows are weir equations from section 11.3.1 in the DCM. $Q = CLH^{1.5}$ (C=3.0)

2) Orifice flows are also from section 11.3.1. $Q = CA(2gH)^{0.5}$ (C=.6)

3) Grate flows are determined from equations 7-2 and 7-3. Weir Flow $Q = (3PH^{1.5})/F$, Orifice Flow $Q = 4.815*AH^{0.5}$

4) Pipe flows use the lesser of: 1) Inlet control equations 27 & 28, page 146 of HDS No. 5 - or - 2) Allowable Pipe Flow equation on page 11-9 of the DCM. Use Table 9, page 147-148, HDS No. 5 for formulas 26 & 27.

STAGE/STORAGE/DISCHARGE CURVES FOR DETENTION POND ANALYSIS

Meridian Ranch Proposed Detention Pond F-Final

Geick Basin - El Paso County, Colorado

Data for spillway and embankment:

embankment length =	285
embankment elev =	7138.5
spillway length =	87
spillway elevation =	7137.5
100 year storage elev.=	7136.0
100 year storage vol.=	8.9
100 year discharge=	179
5 year storage elev.=	7131.2
5 year storage vol.=	1.9
5 year discharge=	8.2
WQCV storage elev.=	7129.1
WQCV storage vol.=	0.3

Data for outlet pipe and grate:

Type	H or V	Width (ft.)	Height (ft.)	Dia.(in)	Area =	(sqft)
Rectangular	Orifice 1:	V	0.0131	1.25	Area =	0.016
Rectangular	Orifice 2:	V	4	0.5	Area =	2.000
Circular	Orifice 3:	H		8	Area =	0.349
None Selected	Orifice 4:				Area =	0.000

Stand Pipe Dimensions

Rec Grate	6	x	3	Elev =	7133
Circ. Grate		dia.		Elev =	7133

50 year storage elev.=	7135.0
50 year storage vol.=	6.8
50 year discharge=	125
10 year storage elev.=	7132.7
10 year storage vol.=	3.5
10 year discharge=	17
2 year storage elev.=	7130.1
2 year storage vol.=	0.9
2 year discharge=	2.3

Outlet Culvert Dimensions

Outlet Culvert	Width (ft.)	Height (ft.)	Dia. (ft.)	Type
Area	12.6	TOP	4	Circular
Outlet I. E.	7126.6	7131.0		
Wall Thick.	5	in.		

STAGE		STORAGE		DISCHARGE										REALIZED CULVERT OUTFLOW		TOTAL FLOW
ELEV	HEIGHT	AREA		VOLUME		TOP OF BANK	SPILLWAY	ORIFICE (max outflow)				GRATE (max outflow)	PIPE			
		sqft	acre	acft	cum acft			1	2	3	4		1	2		
7127.7	0	0	0.00	0.00	0.00	-	-	-	-	-	-	-				
7128	0.3	2170	0.05	0.01	0.01	-	-	0.0	-	-	-	-	11		0.0	0.0
7129	1.3	17730	0.41	0.23	0.24	-	-	0.1	-	-	-	-	31		0.1	0.1
7130	2.3	33290	0.76	0.59	0.82	-	-	0.1	-	1.5	-	-	57		1.6	1.6
7131	3.3	39060	0.90	0.83	1.65	-	-	0.1	4.2	2.3	-	-	117		6.6	6.6
7132	4.3	44830	1.03	0.96	2.61	-	-	0.1	10.8	2.8	-	-	117		14	14
7133	5.3	55137.5	1.27	1.15	3.76	-	-	0.2	14.4	3.3	-	-	142		18	18
7134	6.3	65445	1.50	1.38	5.15	-	-	0.2	17.4	3.7	-	36	162		57	57
7135	7.3	79535	1.83	1.66	6.81	-	-	0.2	19.9	4.0	-	102	175		126	126
7136	8.3	93625	2.15	1.99	8.80	-	-	0.2	22.1	4.4	-	150	187		177	177
7137	9.3	111620	2.56	2.36	11.15	-	-	0.2	24.1	4.7	-	173	200		200	200
7138	10.3	129615	2.98	2.77	13.92	-	92.3	0.2	25.9	5.0	-	194	211		211	303
7138.5	10.8					-	261.0	0.3	26.8	5.1	-	203	211		-	261

Notes: 1) Top-of-bank and spillway flows are weir equations from section 11.3.1 in the DCM. $Q=CLH^{1.5}$ (C=3.0)

2) Orifice flows are also from section 11.3.1. $Q=CA(2gH)^{.5}$ (C=.6)

3) Grate flows are determined from equations 7-2 and 7-3. Weir Flow $Q=(3PH^{1.5})/F$, Orifice Flow $Q=4.815*AH^{.5}$

4) Pipe flows use the lesser of: 1) Inlet control equations 27 & 28, page 146 of HDS No. 5 - or - 2) Allowable Pipe Flow equation on page 11-9 of the DCM. Use Table 9, page 147-148, HDS No. 5 for formulas 26 & 27.

STAGE/STORAGE/DISCHARGE CURVES FOR DETENTION POND ANALYSIS

Meridian Ranch Proposed Detention Pond G-FINAL FUTURE DESIGN (G12)

Gieck Basin - El Paso County, Colorado

Data for spillway and embankment:

embankment length =	500
embankment elev =	7033.5
spillway length =	130
spillway elevation =	7031.5
100 year storage elev.=	7030.3
100 year storage vol.=	25.6
100 year discharge=	476
5 year storage elev.=	7027.4
5 year storage vol.=	8.2
5 year discharge=	21
WQCV storage elev.=	7025.2
WQCV storage vol.=	0.9

Data for outlet pipe and grate:

		Dimensions					
Type	H or V	Width (ft.)	X Height (ft.)	Dia.(in)	(sqft)		
Rectangular	Orifice 1:	V	0.0263	1.90	Area =	0.050	Elev to cl = 7024.25
Rectangular	Orifice 2:	V	8.5	1.1	Area =	9.350	Elev to cl = 7027.55
Rectangular	Orifice 3:	V	2	0.43	Area =	0.860	Elev to cl = 7025.34
Rectangular	Orifice 4:	V	4	0.6	Area =	2.400	Elev to cl = 7027.80
Rectangular	Orifice 5:	V	8.5	1.1	Area =	9.350	Elev to cl = 7027.55

Stand Pipe Dimensions

Rec Grate	20	x	8	Elev =	7028.10
Circ. Grate		dia.		Elev =	7028.10

Outlet Culvert Dimensions

	Width (ft.)	Height (ft.)	Dia. (ft.)	Type
Outlet Culvert	10	x	4	Rectangular
Area	40.0	TOP		
Outlet I. E.	7022.5	7027.50		
Wall Thick.	12	in.		

50 year storage elev.=	7029.5
50 year storage vol.=	20.3
50 year discharge=	328
10 year storage elev.=	7027.9
10 year storage vol.=	10.9
10 year discharge=	54
2 year storage elev.=	7026.7
2 year storage vol.=	4.9
2 year discharge=	5.2

STAGE		STORAGE				DISCHARGE											
ELEV	HEIGHT	AREA		VOLUME		TOP OF BANK	SPILLWAY	ORIFICE (max outflow)					GRATE (max outflow)	PIPE		REALIZED CULVERT OUTFLOW	TOTAL FLOW
		sqft	acre	acft	cum acft			1	2	3	4	5	Rectangular	1	2		
7023.3	0	0	0.00	0.0	0.00			-	-	-	-	-	-	12		-	-
7024	0.7	2232	0.05	0.0	0.02	-	-	0.0	-	-	-	-	-	51		0.0	0.05
7025	1.7	39917	0.92	0.5	0.50	-	-	0.2	-	-	-	-	-	111		0.2	0.17
7026	2.7	126469	2.90	1.9	2.41	-	-	0.3	-	3.4	-	-	-	184		3.7	3.7
7026.5	3.2	166675	3.83	3.6	4.06	-	-	0.4	-	4.5	-	-	-	224		4.8	4.8
7027	3.7	206880	4.75	2.1	6.20	-	-	0.4	-	5.3	-	-	-	268		5.7	5.7
7027.5	4.2	232032	5.33	4.6	8.64	-	-	0.4	9.0	6.1	-	9.0	-	304		25	25
7028	4.7	257183	5.90	5.3	11.53	-	-	0.5	25.5	6.8	4.2	25.5	-	337		62	62
7028.5	5.2	264196	6.07	5.7	14.33	-	-	0.5	43.9	7.4	9.7	43.9	27	373		133	133
7029	5.7	271209	6.23	6.1	17.59	-	-	0.5	54.2	7.9	12.7	54.2	92	406		222	222
7029.5	6.2	276106	6.34	11.7	20.30	-	-	0.6	62.9	8.5	15.1	62.9	179	436		329	329
7030	6.7	281003	6.45	9.4	23.72	-	-	0.6	70.5	8.9	17.1	70.5	283	464		450	450
7030.5	7.2	286003	6.57	6.5	26.75	-	-	0.6	77.3	9.4	19.0	77.3	402	491		491	491
7031	7.7	291002	6.68	6.6	30.28	-	-	0.6	83.6	9.9	20.7	83.6	533	516		516	516
7031.5	8.2	296443	6.81	6.7	33.44	-	-	0.6	89.5	10.3	22.2	89.5	677	540		540	540
7032	8.7	301883	6.93	3.4	36.87	137.9	137.9	0.7	95.0	10.7	23.7	95.0	832	563		563	701
7032.5	9.2	309236	7.10	7.0	40.39	390.0	390.0	0.7	100.2	11.1	25.1	100.2	997	586		586	976
7033	9.7	316589	7.27	3.6	43.98	716.5	716.5	0.7	105.1	11.5	26.4	105.1	1,171	607		607	1,323

Notes:

- Top-of-bank and spillway flows are weir equations from section 11.3.1 in the DCM. $Q=CLH^{1.5}$ (C=3.0)
- Orifice flows are also from section 11.3.1. $Q=CA(2gH)^{0.5}$ (C=.6)
- Grate flows are determined from equations 7-2 and 7-3. Weir Flow $Q=(3PH^{1.5})/F$, Orifice Flow $Q=4.815*AH^{0.5}$
- Pipe flows use the lesser of: 1) Inlet control equations 27 & 28, page 146 of HDS No. 5 - or - 2) Allowable Pipe Flow equation on page 11-9 of the DCM. Use Table 9, page 147-148, HDS No. 5 for formulas 26 & 27.

RHR FILING 1 INTERIM CONDITION

Simulation Run: RHRF1-100 YR Reservoir: POND D

Start of Run:	01Jul2015, 00:00	Basin Model:	WW Grading
End of Run:	02Jul2015, 00:00	Meteorologic Model:	SCS TYPE IIA 100YR
Compute Time:	14Mar2018 13:11:34	Control Specifications:	24 HR-2 MIN.

Volume Units: AC-FT

Computed Results:

Peak Inflow:	509 (CFS)	Date/Time of Peak Inflow:	01Jul2015, 12:12
Peak Outflow:	134 (CFS)	Date/Time of Peak Outflow:	01Jul2015, 13:00
Total Inflow :	57.0 (AC-FT)	Peak Storage:	25.4 (AC-FT)
Total Outflow:	46.8 (AC-FT)	Peak Elevation:	7057.1 (FT)

Simulation Run: RHRF1-005 YR Reservoir: POND D

Start of Run:	01Jul2015, 00:00	Basin Model:	WW Grading
End of Run:	02Jul2015, 00:00	Meteorologic Model:	SCS TYPE IIA 005YR
Compute Time:	14Mar2018 13:11:34	Control Specifications:	24 HR-2 MIN.

Volume Units: AC-FT

Computed Results:

Peak Inflow:	107 (CFS)	Date/Time of Peak Inflow:	01Jul2015, 12:18
Peak Outflow:	12 (CFS)	Date/Time of Peak Outflow:	01Jul2015, 14:36
Total Inflow :	13.6 (AC-FT)	Peak Storage:	7.3 (AC-FT)
Total Outflow:	9.2 (AC-FT)	Peak Elevation:	7053.9 (FT)

Simulation Run: RHRF1-100 YR Reservoir: POND E

Start of Run:	01Jul2015, 00:00	Basin Model:	WW Grading
End of Run:	02Jul2015, 00:00	Meteorologic Model:	SCS TYPE IIA 100YR
Compute Time:	14Mar2018 13:11:34	Control Specifications:	24 HR-2 MIN.

Volume Units: AC-FT

Computed Results:

Peak Inflow:	590 (CFS)	Date/Time of Peak Inflow:	01Jul2015, 12:18
Peak Outflow:	224 (CFS)	Date/Time of Peak Outflow:	01Jul2015, 13:30
Total Inflow :	122.9 (AC-FT)	Peak Storage:	41.0 (AC-FT)
Total Outflow:	98.9 (AC-FT)	Peak Elevation:	6973.5 (FT)

Simulation Run: RHRF1-005 YR Reservoir: POND E

Start of Run:	01Jul2015, 00:00	Basin Model:	WW Grading
End of Run:	02Jul2015, 00:00	Meteorologic Model:	SCS TYPE IIA 005YR
Compute Time:	14Mar2018 13:11:34	Control Specifications:	24 HR-2 MIN.

Volume Units: AC-FT

Computed Results:

Peak Inflow:	128 (CFS)	Date/Time of Peak Inflow:	01Jul2015, 12:12
Peak Outflow:	14 (CFS)	Date/Time of Peak Outflow:	01Jul2015, 20:00
Total Inflow :	29.0 (AC-FT)	Peak Storage:	17.1 (AC-FT)
Total Outflow:	13.1 (AC-FT)	Peak Elevation:	6971.3 (FT)

RHR FILING 1 FUTURE CONDITION
Simulation Run: F-100 YR Reservoir: POND D

Start of Run:	01Jul2015, 00:00	Basin Model:	Future SCS
End of Run:	02Jul2015, 00:00	Meteorologic Model:	SCS TYPE IIA 100YR
Compute Time:	14Mar2018 13:11:34	Control Specifications:	24 HR-2 MIN.

Volume Units: AC-FT

Computed Results:

Peak Inflow:	509(CFS)	Date/Time of Peak Inflow:	01Jul2015, 12:12
Peak Outflow:	134 (CFS)	Date/Time of Peak Outflow:	01Jul2015, 13:00
Total Inflow :	57.0 (AC-FT)	Peak Storage:	25.5 (AC-FT)
Total Outflow:	46.8 (AC-FT)	Peak Elevation:	7057.1 (FT)

Simulation Run: F-005 YR Reservoir: POND D

Start of Run:	01Jul2015, 00:00	Basin Model:	Future SCS
End of Run:	02Jul2015, 00:00	Meteorologic Model:	SCS TYPE IIA 005YR
Compute Time:	14Mar2018 13:26:34	Control Specifications:	24 HR-2 MIN.

Volume Units: AC-FT

Computed Results:

Peak Inflow:	107 (CFS)	Date/Time of Peak Inflow:	01Jul2015, 12:18
Peak Outflow:	12 (CFS)	Date/Time of Peak Outflow:	01Jul2015, 14:36
Total Inflow :	13.6 (AC-FT)	Peak Storage:	7.5 (AC-FT)
Total Outflow:	9.2 (AC-FT)	Peak Elevation:	7053.9 (FT)

Simulation Run: F-100 YR Reservoir: POND E

Start of Run:	01Jul2015, 00:00	Basin Model:	Future SCS
End of Run:	02Jul2015, 00:00	Meteorologic Model:	SCS TYPE IIA 100YR
Compute Time:	14Mar2018 13:11:34	Control Specifications:	24 HR-2 MIN.

Volume Units: AC-FT

Computed Results:

Peak Inflow:	610 (CFS)	Date/Time of Peak Inflow:	01Jul2015, 12:18
Peak Outflow:	242 (CFS)	Date/Time of Peak Outflow:	01Jul2015, 13:30
Total Inflow :	122.9 (AC-FT)	Peak Storage:	42.4 (AC-FT)
Total Outflow:	98.9 (AC-FT)	Peak Elevation:	6973.6 (FT)

Simulation Run: F-005 YR Reservoir: POND E

Start of Run:	01Jul2015, 00:00	Basin Model:	Future SCS
End of Run:	02Jul2015, 00:00	Meteorologic Model:	SCS TYPE IIA 005YR
Compute Time:	14Mar2018 13:26:34	Control Specifications:	24 HR-2 MIN.

Volume Units: AC-FT

Computed Results:

Peak Inflow:	126 (CFS)	Date/Time of Peak Inflow:	01Jul2015, 12:12
Peak Outflow:	16 (CFS)	Date/Time of Peak Outflow:	01Jul2015, 20:00
Total Inflow :	29.0 (AC-FT)	Peak Storage:	18.0 (AC-FT)
Total Outflow:	13.1 (AC-FT)	Peak Elevation:	6971.4 (FT)

Simulation Run: F-100 YR Reservoir: POND F

Start of Run:	01Jul2015, 00:00	Basin Model:	Future SCS
End of Run:	02Jul2015, 00:00	Meteorologic Model:	SCS TYPE IIA 100YR
Compute Time:	14Mar2018 13:11:34	Control Specifications:	24 HR-2 MIN.

Volume Units: AC-FT

Computed Results:

Peak Inflow:	256(CFS)	Date/Time of Peak Inflow:	01Jul2015, 12:18
Peak Outflow:	164 (CFS)	Date/Time of Peak Outflow:	01Jul2015, 12:42
Total Inflow :	35.3 (AC-FT)	Peak Storage:	8.0 (AC-FT)
Total Outflow:	33.4 (AC-FT)	Peak Elevation:	7135.8 (FT)

Simulation Run: F-005 YR Reservoir: POND F

Start of Run:	01Jul2015, 00:00	Basin Model:	Future SCS
End of Run:	02Jul2015, 00:00	Meteorologic Model:	SCS TYPE IIA 005YR
Compute Time:	14Mar2018 13:26:34	Control Specifications:	24 HR-2 MIN.

Volume Units: AC-FT

Computed Results:

Peak Inflow:	19 (CFS)	Date/Time of Peak Inflow:	01Jul2015, 12:36
Peak Outflow:	7.2 (CFS)	Date/Time of Peak Outflow:	01Jul2015, 14:18
Total Inflow :	5.1 (AC-FT)	Peak Storage:	1.6 (AC-FT)
Total Outflow:	4.6 (AC-FT)	Peak Elevation:	7131.1 (FT)

Simulation Run: F-100 YR Reservoir: POND G

Start of Run:	01Jul2015, 00:00	Basin Model:	Future SCS
End of Run:	02Jul2015, 00:00	Meteorologic Model:	SCS TYPE IIA 100YR
Compute Time:	14Mar2018 13:11:34	Control Specifications:	24 HR-2 MIN.

Volume Units: AC-FT

Computed Results:

Peak Inflow:	694 (CFS)	Date/Time of Peak Inflow:	01Jul2015, 12:06
Peak Outflow:	479 (CFS)	Date/Time of Peak Outflow:	01Jul2015, 12:32
Total Inflow :	119.4 (AC-FT)	Peak Storage:	25.4 (AC-FT)
Total Outflow:	110.2 (AC-FT)	Peak Elevation:	7030.3 (FT)

Simulation Run: F-005 YR Reservoir: POND G

Start of Run:	01Jul2015, 00:00	Basin Model:	Future SCS
End of Run:	02Jul2015, 00:00	Meteorologic Model:	SCS TYPE IIA 005YR
Compute Time:	14Mar2018 13:26:34	Control Specifications:	24 HR-2 MIN.

Volume Units: AC-FT

Computed Results:

Peak Inflow:	73 (CFS)	Date/Time of Peak Inflow:	01Jul2015, 12:30
Peak Outflow:	21 (CFS)	Date/Time of Peak Outflow:	01Jul2015, 15:24
Total Inflow :	20.4 (AC-FT)	Peak Storage:	8.2 (AC-FT)
Total Outflow:	14.5 (AC-FT)	Peak Elevation:	7027.4 (FT)

Appendix D – Outlet Protection Design

Again, enter Figure HS-19a using the smaller d/D (or d/H) ratio to find the A/A_{full} ratio. Then,

$$A = (A/A_{full})A_{full} \quad (\text{HS-16c})$$

Finally,

$$V = Q/A \quad (\text{HS-16d})$$

In which for Equations 16a through 16d above:

A_{full} = cross-sectional area of the pipe (ft^2)

A = area of the design flow in the end of the pipe (ft^2)

n = Manning's n for the pipe full depth

Q_{full} = pipe full discharge at its slope (cfs)

R = hydraulic radius of the pipe flowing full, ft [$R_{full} = D/4$ for circular pipes, $R_{full} = A_{full}/(2H + 2w)$ for rectangular pipes, where D = diameter of a circular conduit, H = height of a rectangular conduit, and w = width of a rectangular conduit (ft)]

S_o = longitudinal slope of the pipe (ft/ft)

V = design flow velocity at the pipe outlet (ft/sec)

V_{full} = flow velocity of the pipe flowing full (ft/sec)

3.4.3.2 Riprap Size

For the design velocity, use [Figure HS-20c](#) to find the size and type of the riprap to use in the scour protection basin downstream of the pipe outlet (i.e., B18, H, M or L). First, calculate the riprap sizing design parameter, P_d , namely,

$$P_d = (V^2 + gd)^{1/2} \quad (\text{HS-16e})$$

in which:

V = design flow velocity at pipe outlet (ft/sec)

g = acceleration due to gravity = 32.2 ft/sec^2

d = design depth of flow at pipe outlet (ft)

necessary when the receiving or downstream channel may have little or no flow or tailwater at time when the pipe or culvert is in operation. Design criteria are provided in Figures HS-19a through HS-20c.

3.4.2 Objective

By providing a low tailwater basin at the end of a storm sewer conduit or culvert, the kinetic energy of the discharge is dissipated under controlled conditions without causing scour at the channel bottom.

[Photograph HS-12](#) shows a fairly large low tailwater basin.

3.4.3 Low Tailwater Basin Design

Low tailwater is defined as being equal to or less than $\frac{1}{3}$ of the height of the storm sewer, that is:

$$y_t \leq \frac{D}{3} \quad \text{or} \quad y_t \leq \frac{H}{3}$$

in which:

y_t = tailwater depth at design

D = diameter of circular pipe (ft)

H = height of rectangular pipe (ft)

3.4.3.1 Finding Flow Depth and Velocity of Storm Sewer Outlet Pipe

The first step in the design of a scour protection basin at the outlet of a storm sewer is to find the depth and velocity of flow at the outlet. Pipe-full flow can be found using Manning's equation.

$$Q_{full} = \frac{1.49}{n} A_{full} (R_{full})^{2/3} S_o^{1/2} \quad (\text{HS-16a})$$

Then and the pipe-full velocity can be found using the continuity equation.

$$V_{full} = Q_{full} / A_{full} \quad (\text{HS-16a})$$

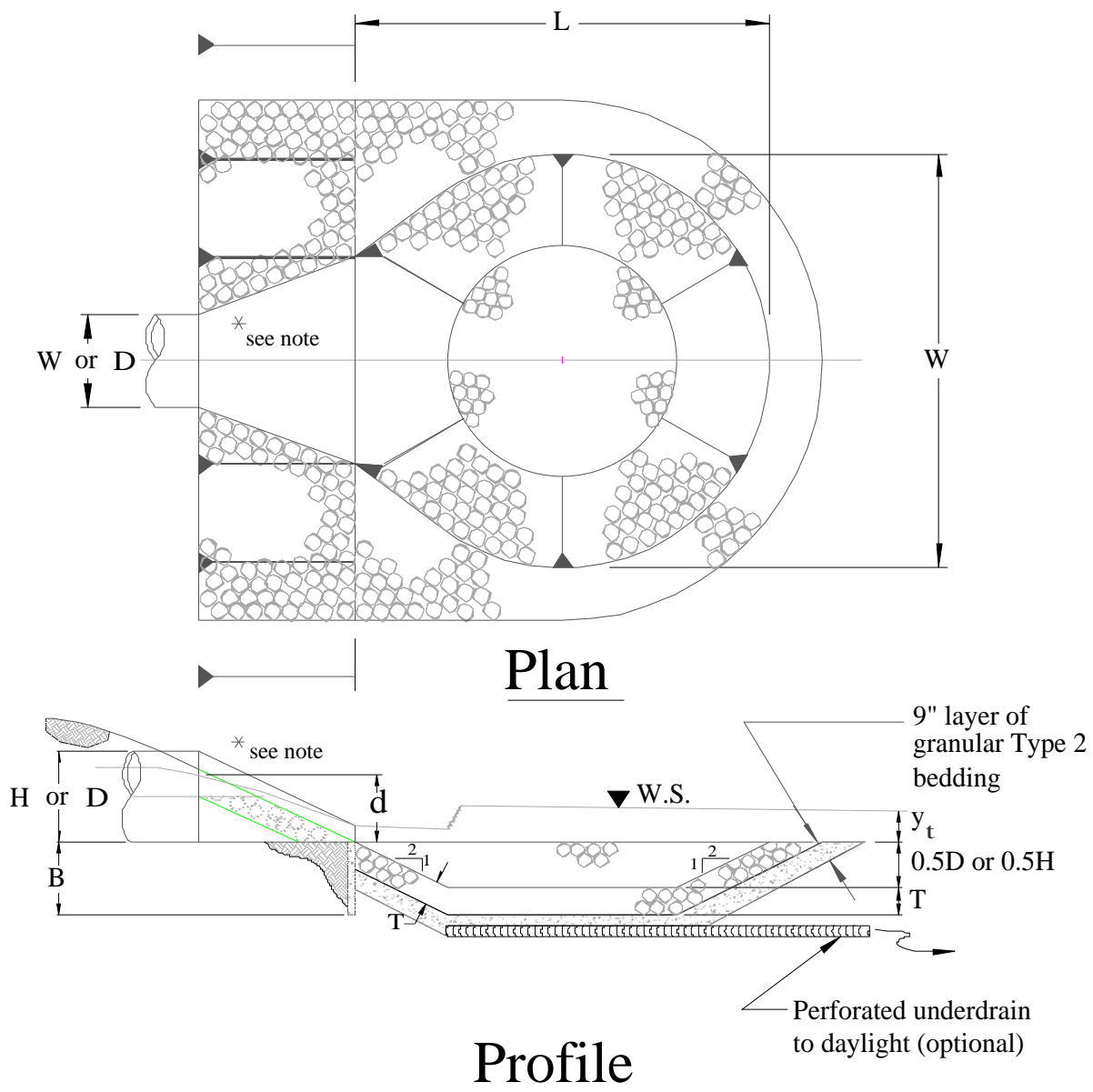
The normal depth of flow, d , and the velocity in a conduit can be found with the aid of [Figure HS-20a](#) and [Figure HS-20b](#). Using the known design discharge, Q , and the calculated pipe-full discharge, Q_{full} , enter Figure HS-20a with the value of Q/Q_{full} and find d/D for a circular pipe or d/H for a rectangular pipe.

Compare the value of d/D (or d/H) with the one obtained from Figure HS-20b using the Froude parameter.

$$Q/D^{2.5} \quad \text{or} \quad Q/(WH^{1/5}) \quad (\text{HS-16a})$$

Choose the smaller of the two (d/D or d/H) ratios to calculate the flow depth at the end of the pipe.

$$d = D(d/D) \quad \text{or} \quad d = H(d/H) \quad (\text{HS-16b})$$



* Note: For rectangular conduits use a standard design for a headwall with wingwalls, paved bottom between the wingwalls, with an end cutoff wall extending to a minimum depth equal to B

**Figure HS-19—Low Tailwater Riprap Basins for Storm Sewer Pipe Outlets—
Low Tailwater Basin at Pipe Outlets
(Stevens and Urbonas 1996)**

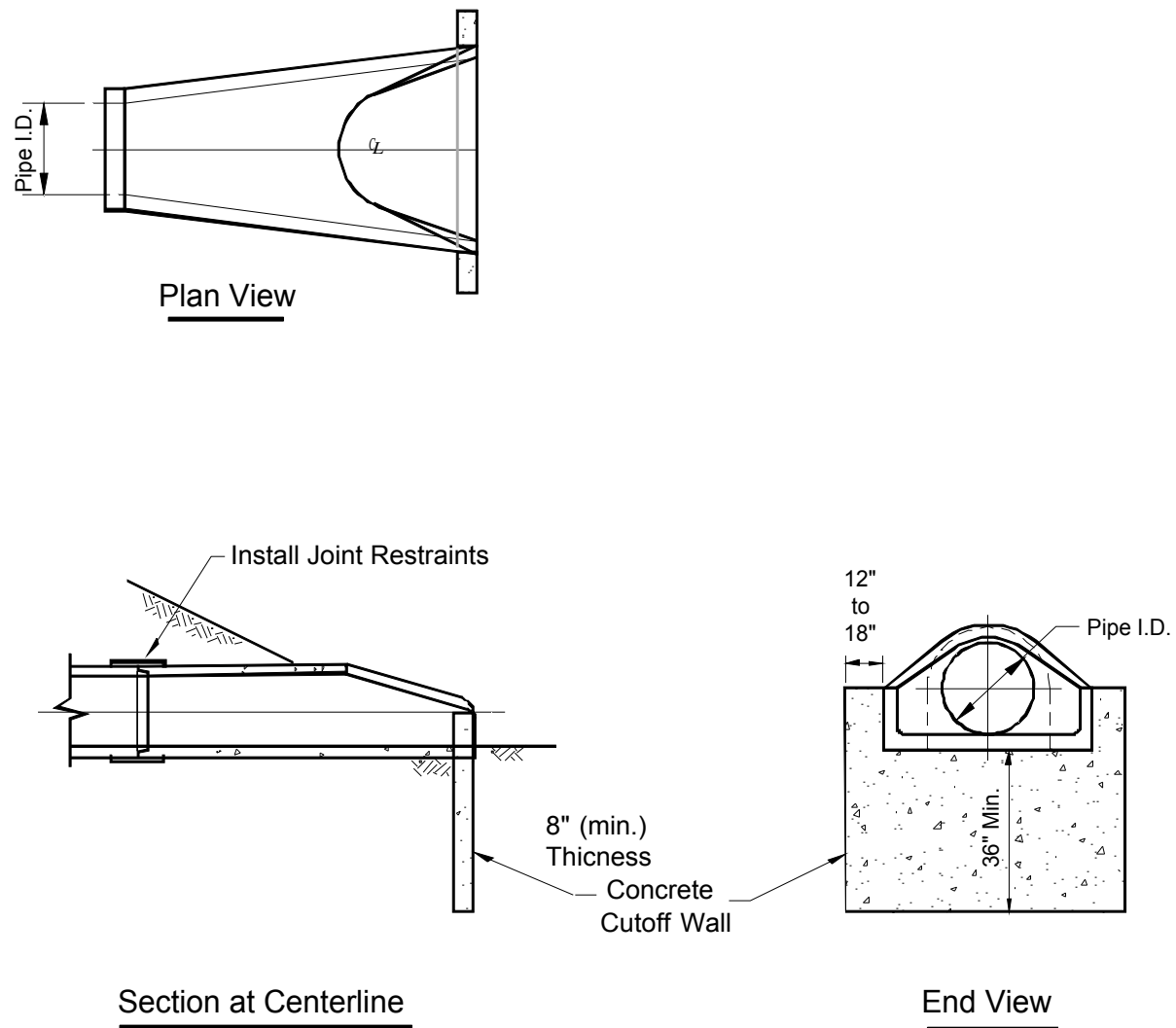


Figure HS-19a—Concrete Flared End Section with Cutoff Wall for all Pipe Outlets



Photograph HS-12—Upstream and downstream views of a low tailwater basin in Douglas County protecting downstream wetland area. Burying and revegetation of the rock would blend the structure better with the adjacent terrain.

When the riprap sizing design parameter indicates conditions that place the design above the Type H riprap line in [Figure HS-20](#), use B18, or larger, grouted boulders. An alternative to a grouted boulder or loose riprap basin is to use the standard USBR Impact Basin VI or one of its modified versions, described earlier in this Chapter of the *Manual*.

After the riprap size has been selected, the minimum thickness of the riprap layer, T , in feet, in the basin is set at:

$$T = 1.75D_{50} \quad (\text{HS-17})$$

in which:

D_{50} = the median size of the riprap (see Table HS-9.)

Table HS-9—Median (i.e., D_{50}) Size of District's Riprap/Boulder

Riprap Type	D_{50} —Median Rock Size (inches)
L	9
M	12
H	18
B18	18 (minimum dimension of grouted boulders)

3.4.3.3 Basin Length

The minimum length of the basin, L , in [Figure HS-19](#), is defined as being the greater of the following:

for circular pipe: $L = 4D$ or $L = (D)^{1/2} \left(\frac{V}{2} \right)$ (HS-18)

for rectangular pipe: $L = 4H$ or $L = (H)^{1/2} \left(\frac{V}{2} \right)$ (HS-19)

in which:

L = basin length

H = height of rectangular conduit

V = design flow velocity at outlet

D = diameter of circular conduit

3.4.3.4 Basin Width

The minimum width, W , of the basin downstream of the pipe's flared end section is set as follows:

for circular pipes: $W = 4D$ (HS-20)

for rectangular pipe: $W = w + 4H$ (HS-21)

in which,

W = basin width ([Figure HS-19](#))

D = diameter of circular conduit

w = width of rectangular conduit

3.4.3.5 Other Design Requirements

All slopes in the pre-shaped riprapped basin are 2H to 1V.

Provide pipe joint fasteners and a structural concrete cutoff wall at the end of the flared end section for a circular pipe or a headwall with wingwalls and a paved bottom between the walls, both with a cutoff wall that extends down to a depth of:

$$B = \frac{D}{2} + T \text{ or } B = \frac{H}{2} + T \quad (\text{HS-22})$$

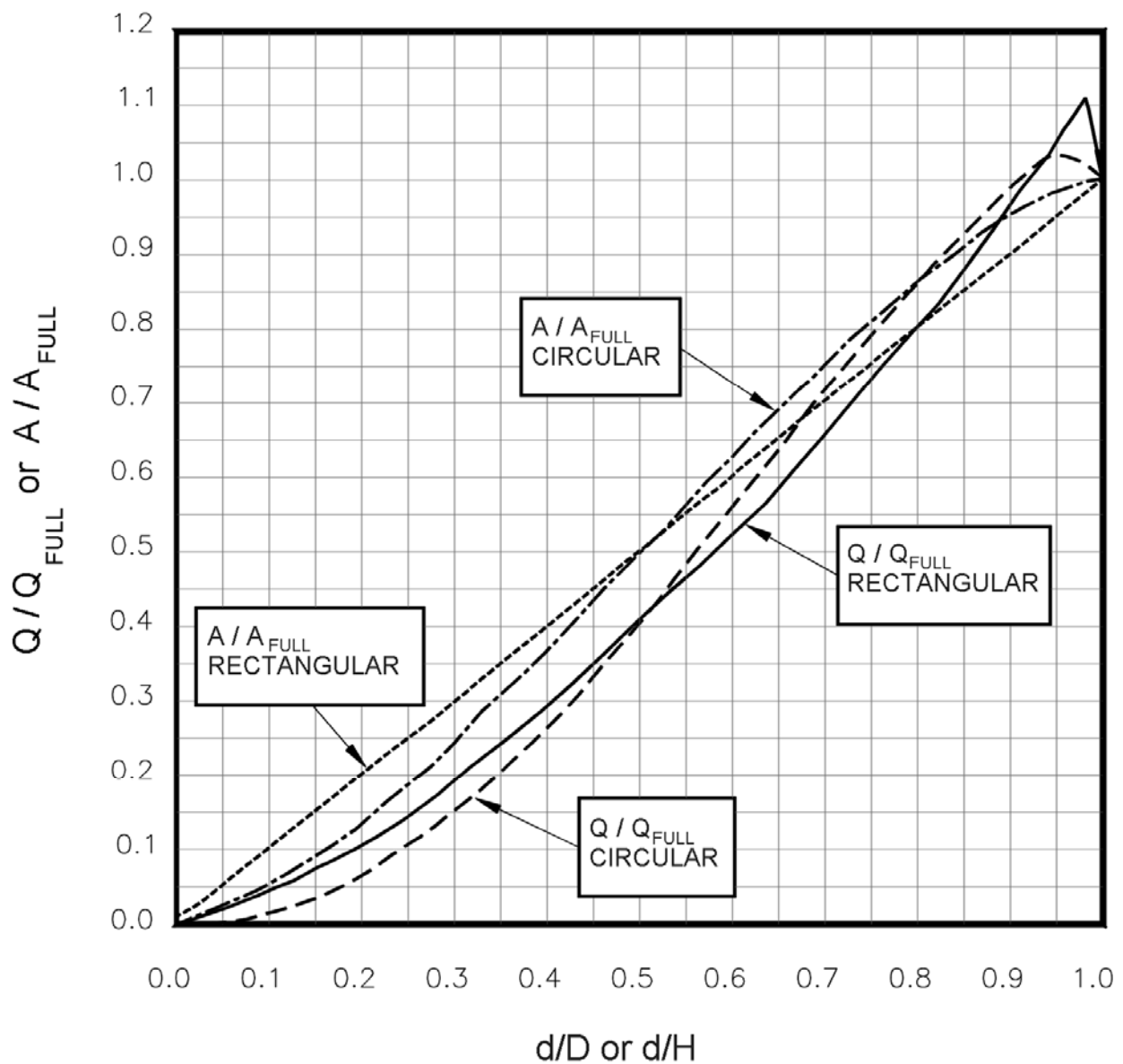
in which,

B = cutoff wall depth

D = diameter of circular conduit

T = Equation HS-17

The riprap must be extended up the outlet embankment's slope to the mid-pipe level.



**Figure HS-20a—Low Tailwater Riprap Basins for Storm Sewer Pipe Outlets—
Discharge and Flow Area Relationships for Circular and Rectangular Pipes**
(Ratios for Flow Based on Manning's n Varying With Depth)
(Stevens and Urbonas 1996)

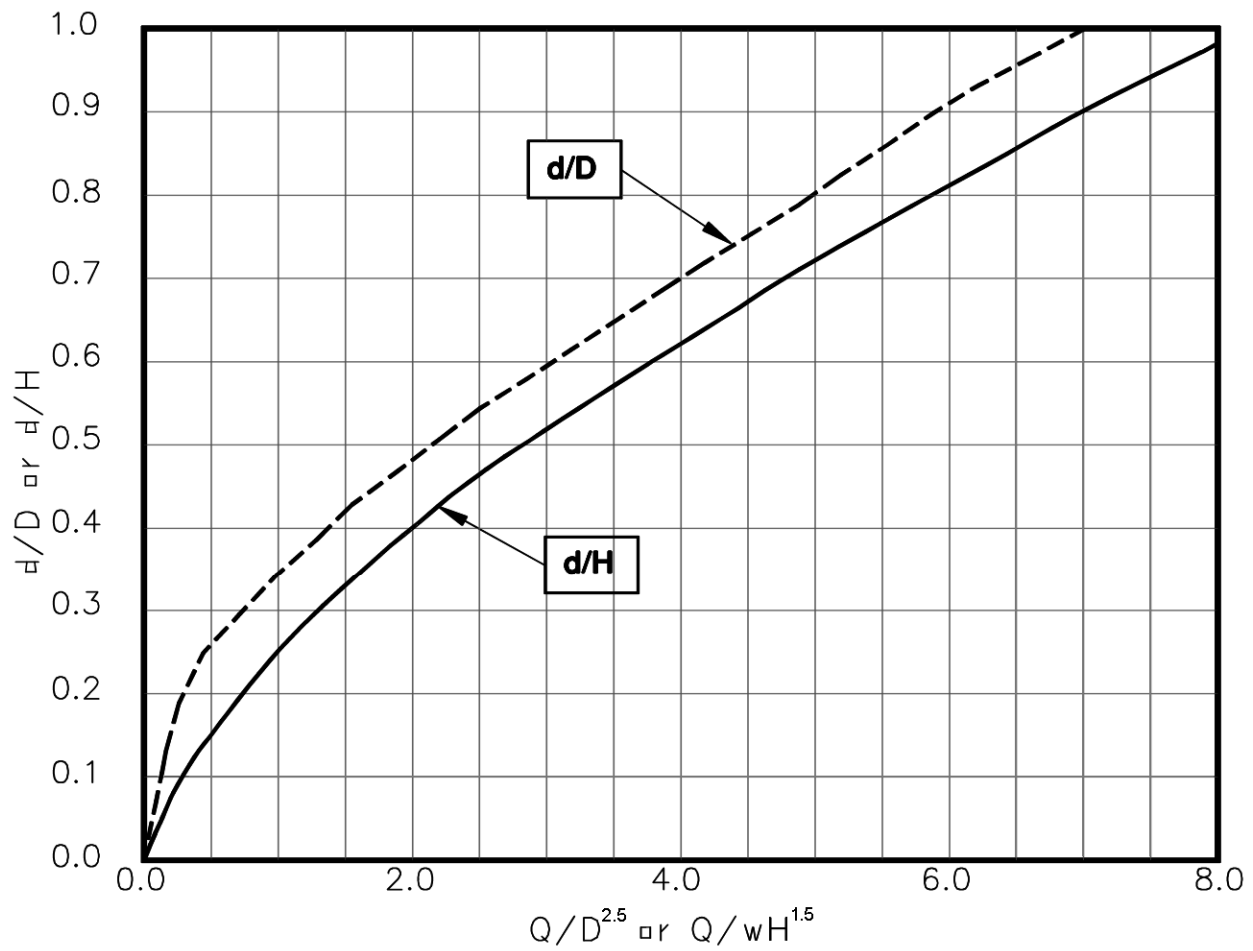


Figure HS-20b—Low Tailwater Riprap Basins for Storm Sewer Pipe Outlets—
Brink Depth for Horizontal Pipe Outlets
 (Stevens and Urbonas 1996)

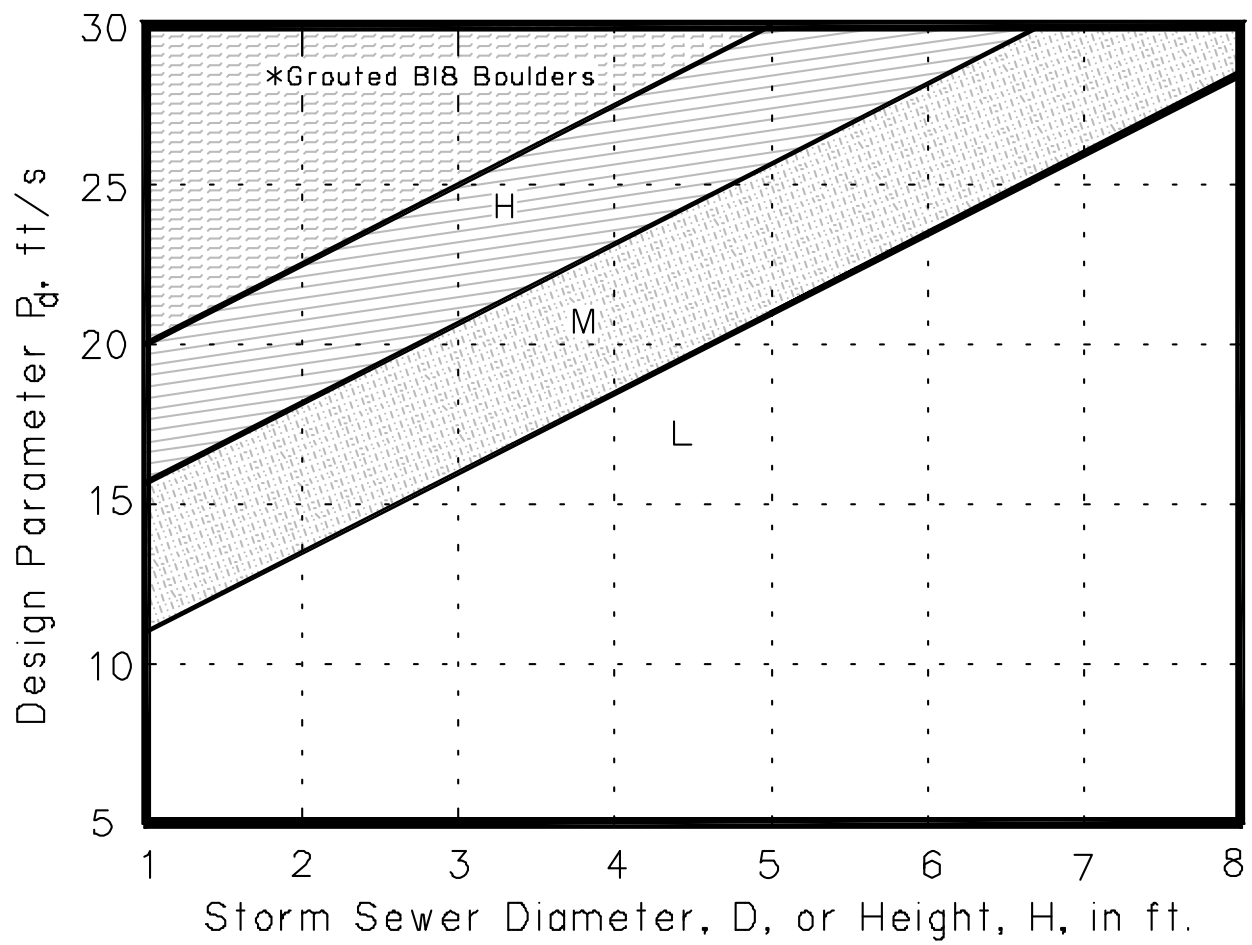


Figure HS-20c—Low Tailwater Riprap Basins for Storm Sewer Pipe Outlets—
Riprap Selection Chart for Low Tailwater Basin at Pipe Outlet
 (Stevens and Urbonas 1996)

RIP RAP PLUNGE POOL

Urban Drainage & Flood Control District Pipe Outlet Design

Low Tailwater Design ($y_t \leq D/3$)

OUTLET # OS-3

Outlet Size (D) :	36	in.	Discharge (q):	34	CFS
Capacity (Q): (full flow)	68	CFS	Flow depth (d): (calculated)	18.0	in.

Q _{full} =	68 CFS	q/Q _{full} =	0.50
A _{full} =	7.1 SF		
V _{full} =	9.6 FPS	Q/D ^{2.5} =	2.2

d/D	0.56	from HS-20a using q/Q _{full}
d/D	0.50	from HS-20b using Q/D ^{2.5}

A' (A/A _{full})	0.50	from HS-20a using smaller d/D from above	Flow Area (a=A' x A _{full})	3.5	SF
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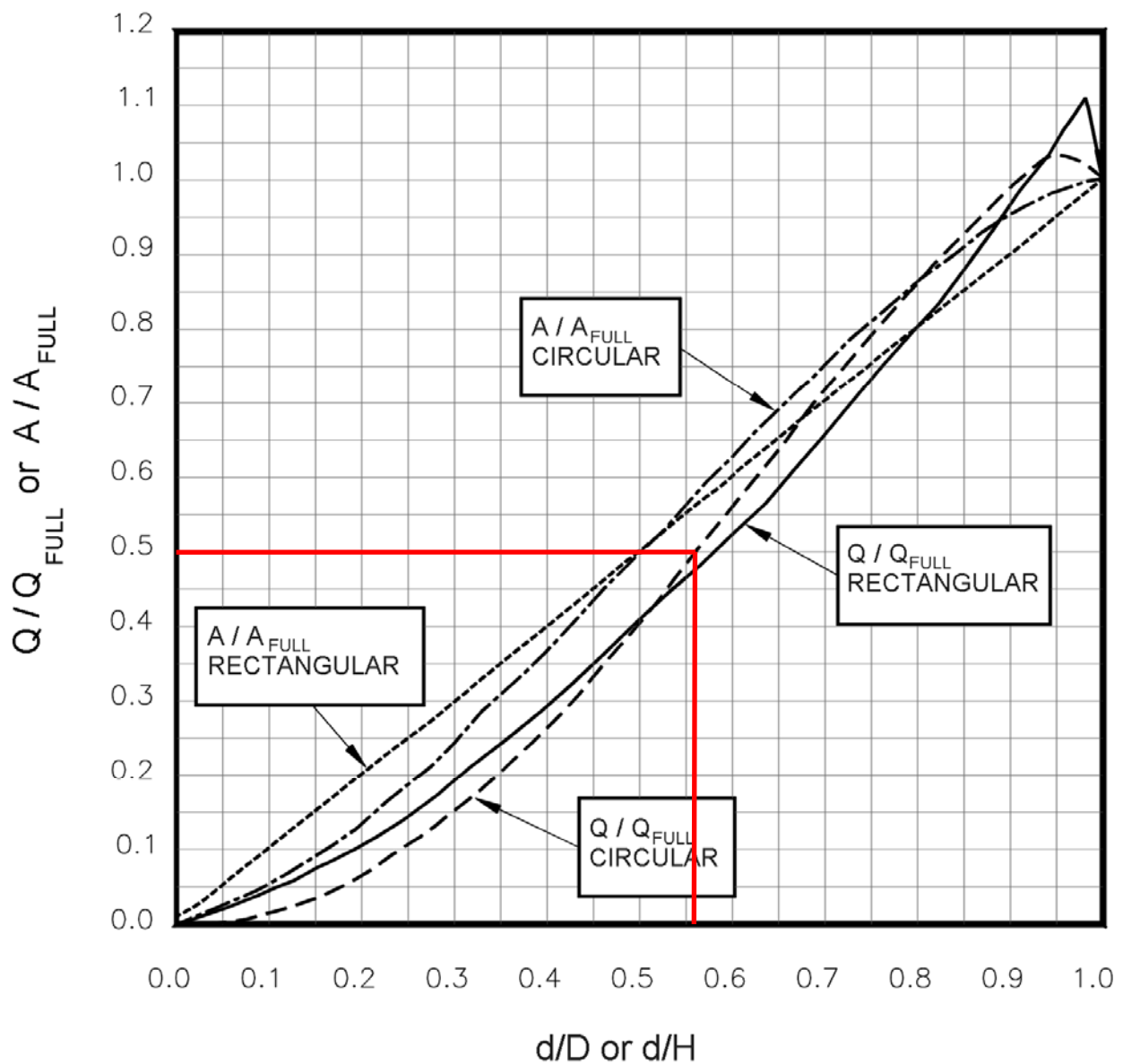
Outlet Velocity (V = q/a) 9.6 FPS

$P_d = (V^2 + gd)^{1/2} =$ 12

RIP-RAP SIZE: M from HS-20c

d₅₀ = 12 in T = 1.75 x d₅₀ 1.75 ft

Basin Length (L)	12.0 FT.	Cutoff Wall Depth	3.25	FT
Basin Width (W)	12.0 FT.	(B=D/2+T)		



**Figure HS-20a—Low Tailwater Riprap Basins for Storm Sewer Pipe Outlets—
Discharge and Flow Area Relationships for Circular and Rectangular Pipes**
(Ratios for Flow Based on Manning's n Varying With Depth)
(Stevens and Urbonas 1996)

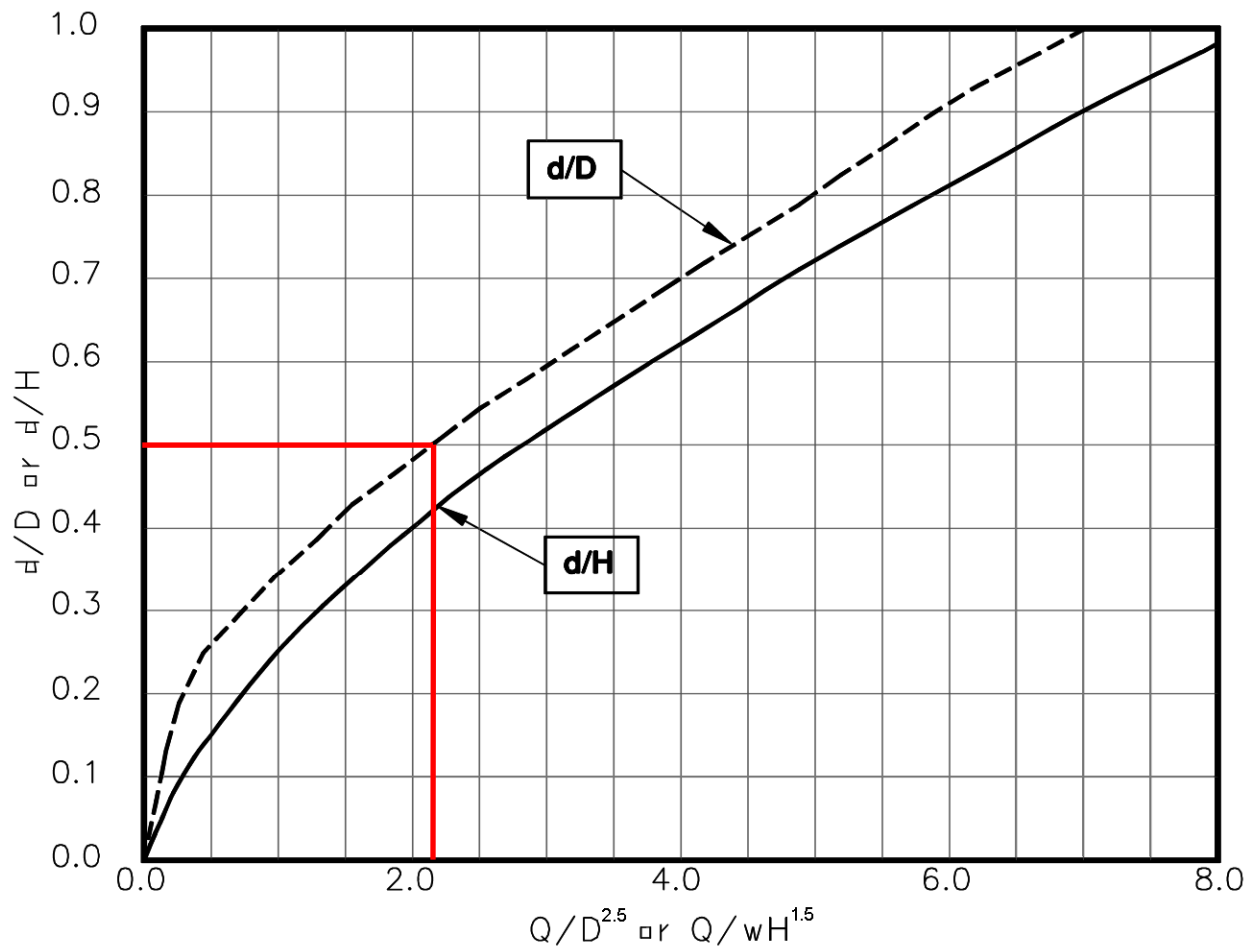


Figure HS-20b—Low Tailwater Riprap Basins for Storm Sewer Pipe Outlets—
Brink Depth for Horizontal Pipe Outlets
(Stevens and Urbonas 1996)

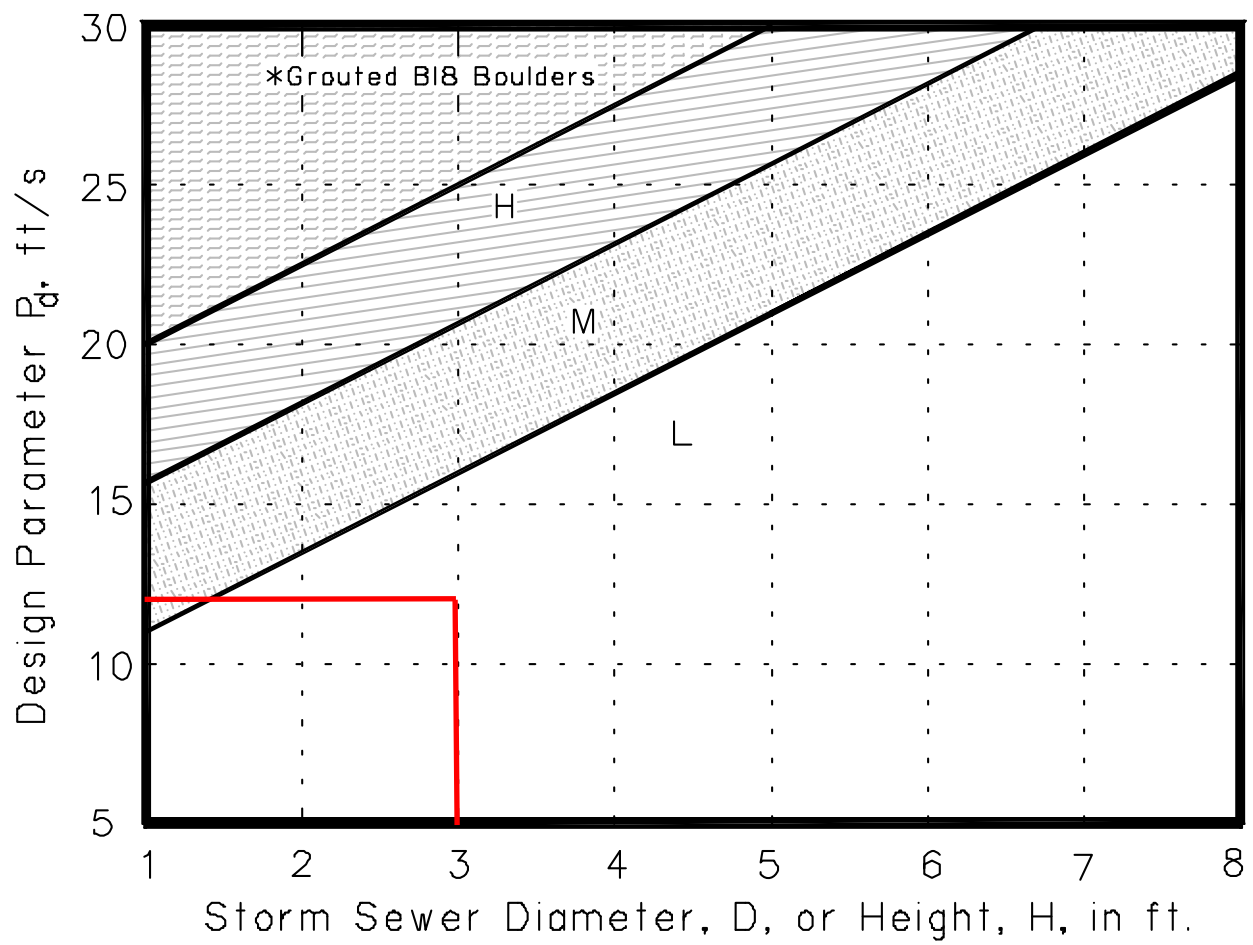


Figure HS-20c—Low Tailwater Riprap Basins for Storm Sewer Pipe Outlets—
Riprap Selection Chart for Low Tailwater Basin at Pipe Outlet
 (Stevens and Urbonas 1996)

Appendix E – HEC-RAS Hydraulic Analysis

DEVELOPED CONDITIONS - DEPTH ANALYSIS

	River Sta	Profile	Q Total (cfs)	Invert (ft)	Depth (ft)	W.S. Elev (ft)	Slope	Crit W.S. (ft)	E.G. Slope (ft/ft)	Vel Total (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude #	Shear (lb/sq ft)
RIP-RAP TRAPAZOIDAL SECTION	5710	Q100	179	7125.5	1.6	7127.1	0.053	7127.1	0.074	5.5	32.8	36.4	1.0	4.1
	5710	Q010	17	7125.5	0.6	7126.1	0.053	7126.1	0.107	3.1	5.5	18.6	1.0	1.9
	5710	Q002	2.3	7125.5	0.2	7125.7	0.053	7125.7	0.135	2.3	1.0	6.1	1.0	1.3
	5672	Q100	179	7123.5	2.5	7126.0	0.008	7125.2	0.010	2.7	66.5	46.9	0.4	0.8
	5672	Q010	17	7123.5	1.0	7124.5	0.008	7124.1	0.010	1.4	11.8	21.9	0.3	0.3
	5672	Q002	2.3	7123.5	0.4	7123.9	0.008	7123.8	0.011	0.8	2.7	12.6	0.3	0.2
	5472	Q100	179	7122.0	1.7	7123.7	0.015		0.015	3.8	46.8	33.9	0.6	1.3
	5472	Q010	17	7122.0	0.4	7122.4	0.015		0.016	1.7	9.8	23.6	0.5	0.4
	5472	Q002	2.3	7122.0	0.1	7122.1	0.015		0.020	0.9	2.6	21.0	0.4	0.2
	5341	Q100	179	7120.0	1.5	7121.5	0.029		0.029	4.8	37.6	31.7	0.8	2.1
	5341	Q010	17	7120.0	0.4	7120.4	0.029		0.029	2.1	8.0	23.0	0.6	0.6
	5341	Q002	2.3	7120.0	0.1	7120.1	0.029		0.037	1.1	2.2	20.8	0.6	0.2
	5250	Q100	179	7117.4	1.5	7118.9	0.029		0.029	4.8	37.7	31.7	0.8	2.1
	5250	Q010	17	7117.4	0.4	7117.8	0.029		0.029	2.1	8.1	23.0	0.6	0.6
	5250	Q002	2.3	7117.4	0.1	7117.5	0.029		0.022	0.9	2.5	21.0	0.5	0.2
	4857	Q100	179	7106.0	1.9	7107.9	0.011		0.011	3.5	51.7	35.0	0.5	1.0
	4857	Q010	17	7106.0	0.5	7106.5	0.011	7106.3	0.011	1.6	10.8	23.9	0.4	0.3
	4857	Q002	2.3	7106.0	0.2	7106.2	0.011	7106.1	0.009	0.7	3.3	21.3	0.3	0.1
	4682	Q100	179	7104.0	1.5	7105.5	0.035		0.028	4.7	38.0	31.8	0.8	2.1
	4682	Q010	17	7104.0	0.3	7104.3	0.035		0.039	2.3	7.3	22.7	0.7	0.8
	4682	Q002	2.3	7104.0	0.1	7104.1	0.035	7104.1	0.095	1.4	1.6	20.6	0.9	0.5
	4625	Q100	188	7102.0	1.9	7103.9	0.032		0.032	5.5	34.5	25.5	0.8	2.7
	4625	Q010	18	7102.0	0.5	7102.5	0.032		0.036	2.8	6.5	14.3	0.7	1.0
	4625	Q002	3.8	7102.0	0.2	7102.2	0.032	7102.2	0.056	1.9	2.0	11.5	0.8	0.6
	4550	Q100	188	7099.6	2.0	7101.6	0.026		0.026	5.1	36.9	26.3	0.8	2.3
	4550	Q010	18	7099.6	0.6	7100.2	0.026		0.021	2.3	7.8	15.0	0.6	0.7
	4550	Q002	3.8	7099.6	0.3	7099.9	0.026		0.015	1.2	3.1	12.2	0.4	0.2
	4500	Q100	188	7098.3	2.5	7100.8	0.011		0.011	3.8	49.0	29.8	0.5	1.1
	4500	Q010	18	7098.3	0.7	7099.0	0.011		0.011	1.9	9.7	16.0	0.4	0.4
	4500	Q002	3.8	7098.3	0.3	7098.6	0.011		0.011	1.1	3.4	12.5	0.4	0.2
	4276	Q100	188	7095.9	2.3	7098.2	0.014		0.019	4.2	44.5	28.6	0.6	1.8
	4276	Q010	18	7095.9	0.7	7096.6	0.014		0.017	2.0	9.1	15.7	0.5	0.6
	4276	Q002	3.8	7095.9	0.3	7096.2	0.014		0.015	1.1	3.4	12.4	0.4	0.3
	4150	Q100	188	7094.1	1.3	7095.4	0.060	7095.4	0.061	5.7	33.2	30.5	1.0	4.1
	4150	Q010	18	7094.1	0.3	7094.4	0.060		0.058	2.5	7.3	22.7	0.8	1.2
	4150	Q002	3.8	7094.1	0.1	7094.2	0.060		0.062	1.4	2.7	21.1	0.7	0.5
	4070	Q100	188	7089.3	1.3	7090.6	0.047	7090.5	0.044	4.8	39.3	36.6	0.8	2.9
	4070	Q010	18	7089.3	0.3	7089.6	0.047		0.054	2.3	7.8	25.6	0.7	1.0
	4070	Q002	3.8	7089.3	0.1	7089.4	0.047		0.065	1.4	2.7	22.1	0.7	0.5
	3997	Q100	188	7085.9	1.6	7087.5	0.019	7087.1	0.019	4.1	45.7	34.6	0.6	1.5
	3997	Q010	18	7085.9	0.5	7086.4	0.019	7086.2	0.018	1.7	10.3	27.9	0.5	0.4
	3997	Q002	3.8	7085.9	0.2	7086.1	0.019	7086.0	0.017	1.0	4.0	25.3	0.4	0.2

DEVELOPED CONDITIONS - DEPTH ANALYSIS

	River Sta	Profile	Q Total (cfs)	Invert (ft)	Depth (ft)	W.S. Elev (ft)	Slope	Crit W.S. (ft)	E.G. Slope (ft/ft)	Vel Total (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude #	Shear (lb/sq ft)
NATURAL SECTION	3880	Q100	188	7083.6	1.1	7084.7	0.015	7084.8	0.018	6.4	29.4	30.5	1.2	1.1
	3880	Q010	18	7083.6	0.4	7084.0	0.015	7083.9	0.013	2.5	7.3	25.0	0.8	0.2
	3880	Q002	3.8	7083.6	0.2	7083.8	0.015	7083.7	0.010	1.3	3.0	23.6	0.6	0.1

RIP-RAP	3700	Q100	293	7080.9	2.0	7082.9	0.017		0.018	4.7	62.0	37.3	0.6	1.9
LINED	3700	Q010	47	7080.9	0.8	7081.7	0.017		0.017	2.4	19.2	29.7	0.5	0.7
BOTTOM	3700	Q002	7.9	7080.9	0.3	7081.2	0.017		0.017	1.2	6.3	26.4	0.5	0.2

NATURAL SECTION	3500	Q100	293	7077.5	1.4	7078.9	0.014	7078.9	0.013	6.1	47.8	42.0	1.0	0.9
	3500	Q010	47	7077.5	0.5	7078.0	0.014		0.013	3.2	14.7	35.0	0.9	0.3
	3500	Q002	7.9	7077.5	0.3	7077.8	0.014		0.013	1.6	4.9	32.7	0.7	0.1
	3250	Q100	293	7074.1	1.2	7075.3	0.019	7075.3	0.014	5.9	49.5	49.2	1.0	0.9
	3250	Q010	47	7074.1	0.4	7074.5	0.019	7074.5	0.018	3.2	14.6	42.6	1.0	0.4
	3250	Q002	7.9	7074.1	0.2	7074.3	0.019		0.018	1.6	4.9	40.6	0.8	0.1
	3100	Q100	293	7071.3	1.2	7072.5	0.015	7072.6	0.017	6.5	44.9	43.0	1.1	1.1
	3100	Q010	47	7071.3	0.5	7071.8	0.015	7071.7	0.014	3.2	14.8	36.3	0.9	0.3
	3100	Q002	7.9	7071.3	0.2	7071.5	0.015		0.013	1.6	5.0	33.5	0.7	0.1
	3011	Q100	293	7070.0	1.2	7071.2	0.015	7071.3	0.016	6.3	46.4	45.9	1.1	1.0
	3011	Q010	47	7070.0	0.5	7070.5	0.015		0.013	3.0	15.6	39.0	0.8	0.3
	3011	Q002	7.9	7070.0	0.2	7070.2	0.015		0.012	1.5	5.3	36.3	0.7	0.1
	2887	Q100	293	7068.2	1.0	7069.2	0.015	7069.3	0.019	6.3	46.8	51.8	1.2	1.0
	2887	Q010	47	7068.2	0.3	7068.5	0.015	7068.6	0.037	3.9	12.1	46.6	1.3	0.6
	2887	Q002	7.9	7068.2	0.2	7068.4	0.015		0.012	1.4	5.7	45.6	0.7	0.1
	2740	Q100	293	7066.0	0.8	7066.8	0.022	7066.8	0.021	4.3	68.6	149.2	1.1	0.6
	2740	Q010	47	7066.0	0.4	7066.4	0.022	7066.4	0.022	2.5	18.5	89.8	1.0	0.3
	2740	Q002	7.9	7066.0	0.2	7066.2	0.022	7066.2	0.021	1.8	4.4	34.8	0.9	0.2
	2500	Q100	293	7060.8	1.3	7062.1	0.022	7062.1	0.016	5.4	54.7	66.8	1.1	0.8
	2500	Q010	47	7060.8	0.6	7061.4	0.022	7061.4	0.021	3.3	14.4	46.8	1.0	0.4
	2500	Q002	7.9	7060.8	0.3	7061.1	0.022	7061.1	0.023	2.2	3.5	21.7	1.0	0.2
	2326	Q100	293	7056.9	1.4	7058.3	0.021	7058.4	0.020	5.1	57.3	89.3	1.1	0.8
	2326	Q010	47	7056.9	0.7	7057.6	0.021	7057.7	0.021	3.5	13.3	37.7	1.1	0.5
	2326	Q002	7.9	7056.9	0.3	7057.2	0.021	7057.2	0.034	3.3	2.4	11.1	1.3	0.5
	2187	Q100	293	7054.0	1.1	7055.1	0.014	7055.2	0.021	5.8	50.1	62.3	1.2	1.0
	2187	Q010	47	7054.0	0.5	7054.5	0.014	7054.5	0.013	2.5	18.7	58.5	0.8	0.3
	2187	Q002	7.9	7054.0	0.2	7054.2	0.014	7054.2	0.137	3.6	2.2	25.0	2.2	0.7
	2045	Q100	293	7052.0	1.2	7053.2	0.018	7053.2	0.014	5.2	56.5	68.9	1.0	0.7
	2045	Q010	47	7052.0	0.6	7052.6	0.018	7052.6	0.018	2.8	17.0	62.3	0.9	0.3
	2045	Q002	7.9	7052.0	0.3	7052.3	0.018		0.019	1.8	4.3	31.1	0.9	0.2
	1899	Q100	293	7049.3	1.1	7050.4	0.022	7050.5	0.020	5.6	52.5	72.6	1.2	0.9
	1899	Q010	47	7049.3	0.5	7049.8	0.022	7049.8	0.020	3.1	15.2	52.3	1.0	0.4
	1899	Q002	7.9	7049.3	0.3	7049.6	0.022	7049.6	0.022	1.9	4.2	32.7	0.9	0.2
	1770	Q100	293	7046.5	1.0	7047.5	0.025	7047.6	0.024	6.2	47.1	63.8	1.3	1.1
	1770	Q010	47	7046.5	0.4	7046.9	0.025	7046.9	0.025	3.4	14.0	49.6	1.1	0.4
	1770	Q002	7.9	7046.5	0.2	7046.7	0.025	7046.7	0.023	1.9	4.2	34.5	0.9	0.2

DEVELOPED CONDITIONS - DEPTH ANALYSIS

	River Sta	Profile	Q Total (cfs)	Invert (ft)	Depth (ft)	W.S. Elev (ft)	Slope	Crit W.S. (ft)	E.G. Slope (ft/ft)	Vel Total (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude #	Shear (lb/sq ft)
NATURAL SECTION	1589	Q100	479	7042.0	1.3	7043.3	0.018	7043.3	0.014	5.9	81.5	81.1	1.0	0.9
	1589	Q010	79	7042.0	0.6	7042.6	0.018	7042.6	0.015	3.0	26.5	76.3	0.9	0.3
	1589	Q002	12	7042.0	0.3	7042.3	0.018	7042.3	0.017	1.8	6.6	44.7	0.8	0.2
	1354	Q100	479	7037.7	1.9	7039.6	0.013	7039.6	0.014	6.7	71.5	58.8	1.1	1.1
	1354	Q010	79	7037.7	0.9	7038.6	0.013	7038.6	0.017	3.9	20.4	43.2	1.0	0.5
	1354	Q002	12	7037.7	0.5	7038.2	0.013		0.015	2.2	5.5	25.3	0.8	0.2
	1209	Q100	479	7035.8	1.8	7037.6	0.022		0.004	4.0	120.1	76.2	0.6	0.3
	1209	Q010	79	7035.8	0.6	7036.4	0.022	7036.3	0.007	2.6	30.8	66.2	0.7	0.2
	1209	Q002	12	7035.8	0.2	7036.0	0.022		0.018	1.6	7.5	63.4	0.8	0.1
RIP-RAP TRAPAZOIDAL SECTION	1173	Q100	479	7035.0	2.4	7037.4	0.020		0.015	4.3	111.0	54.4	0.5	1.8
	1173	Q010	79	7035.0	0.8	7035.8	0.020	7035.5	0.017	2.3	33.6	44.4	0.5	0.8
	1173	Q002	12	7035.0	0.2	7035.2	0.020	7035.1	0.022	1.2	9.7	41.6	0.5	0.3
	1122	Q100	479	7034.0	2.0	7036.0	0.063		0.046	6.5	74.2	45.7	0.9	4.7
	1122	Q010	79	7034.0	0.7	7034.7	0.063		0.051	3.6	22.1	35.4	0.8	2.0
	1122	Q002	12	7034.0	0.3	7034.3	0.063		0.033	1.5	7.8	32.0	0.5	0.5
	1098	Q100	479	7032.5	2.0	7034.5	0.062	7034.5	0.061	7.1	67.4	43.9	1.0	5.7
	1098	Q010	79	7032.5	0.9	7033.4	0.062		0.058	3.7	21.2	35.1	0.8	2.2
	1098	Q002	12	7032.5	0.4	7032.9	0.062	7032.9	0.110	2.2	5.4	31.6	1.0	1.2
	1000	Q100	479	7026.4	1.8	7028.2		7028.2	0.068	7.3	65.3	44.1	1.1	6.2
	1000	Q010	79	7026.4	0.6	7027.0		7027.0	0.067	3.9	20.2	35.0	0.9	2.4
	1000	Q002	12	7026.4	0.2	7026.6		7026.6	0.117	2.3	5.3	31.4	1.0	1.2

Interpolated cross sections have been omitted from the above chart.

DEVELOPED CONDITIONS - VELOCITY AND SHEAR ANALYSIS

	River Sta	Profile	Q Total (cfs)	Invert (ft)	Depth (ft)	W.S. Elev (ft)	Slope	Crit W.S. (ft)	E.G. Slope (ft/ft)	Vel Total (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude #	Shear (lb/sq ft)
RIP-RAP TRAPAZOIDAL SECTION	5710	Q100	179	7125.5	1.6	7127.1	0.053	7127.1	0.074	5.5	32.8	36.4	1.0	4.1
	5710	Q010	17	7125.5	0.6	7126.1	0.053	7126.1	0.107	3.1	5.5	18.6	1.0	1.9
	5710	Q002	2.3	7125.5	0.2	7125.7	0.053	7125.7	0.135	2.3	1.0	6.1	1.0	1.3
	5672	Q100	179	7123.5	2.5	7126.0	0.008	7125.2	0.010	2.7	66.5	46.9	0.4	0.8
	5672	Q010	17	7123.5	1.0	7124.5	0.008	7124.1	0.010	1.4	11.8	21.9	0.3	0.3
	5672	Q002	2.3	7123.5	0.4	7123.9	0.008	7123.8	0.011	0.8	2.7	12.6	0.3	0.2
	5472	Q100	179	7122.0	1.7	7123.7	0.015		0.015	3.8	46.8	33.9	0.6	1.3
	5472	Q010	17	7122.0	0.4	7122.4	0.015		0.016	1.7	9.8	23.6	0.5	0.4
	5472	Q002	2.3	7122.0	0.1	7122.1	0.015		0.020	0.9	2.6	21.0	0.4	0.2
	5341	Q100	179	7120.0	1.5	7121.5	0.029		0.029	4.8	37.6	31.7	0.8	2.1
	5341	Q010	17	7120.0	0.4	7120.4	0.029		0.029	2.1	8.0	23.0	0.6	0.6
	5341	Q002	2.3	7120.0	0.1	7120.1	0.029		0.037	1.1	2.2	20.8	0.6	0.2
	5250	Q100	179	7117.4	1.5	7118.9	0.029		0.029	4.8	37.7	31.7	0.8	2.1
	5250	Q010	17	7117.4	0.4	7117.8	0.029		0.029	2.1	8.1	23.0	0.6	0.6
	5250	Q002	2.3	7117.4	0.1	7117.5	0.029		0.022	0.9	2.5	21.0	0.5	0.2
	4857	Q100	179	7106.0	1.9	7107.9	0.011		0.011	3.5	51.7	35.0	0.5	1.0
	4857	Q010	17	7106.0	0.5	7106.5	0.011	7106.3	0.011	1.6	10.8	23.9	0.4	0.3
	4857	Q002	2.3	7106.0	0.2	7106.2	0.011	7106.1	0.009	0.7	3.3	21.3	0.3	0.1
	4682	Q100	179	7104.0	1.5	7105.5	0.035		0.028	4.7	38.0	31.8	0.8	2.1
	4682	Q010	17	7104.0	0.3	7104.3	0.035		0.039	2.3	7.3	22.7	0.7	0.8
	4682	Q002	2.3	7104.0	0.1	7104.1	0.035	7104.1	0.095	1.4	1.6	20.6	0.9	0.5
	4625	Q100	188	7102.0	1.9	7103.9	0.032		0.032	5.5	34.5	25.5	0.8	2.7
	4625	Q010	18	7102.0	0.5	7102.5	0.032		0.036	2.8	6.5	14.3	0.7	1.0
	4625	Q002	3.8	7102.0	0.2	7102.2	0.032	7102.2	0.056	1.9	2.0	11.5	0.8	0.6
	4550	Q100	188	7099.6	2.0	7101.6	0.026		0.026	5.1	36.9	26.3	0.8	2.3
	4550	Q010	18	7099.6	0.6	7100.2	0.026		0.021	2.3	7.8	15.0	0.6	0.7
	4550	Q002	3.8	7099.6	0.3	7099.9	0.026		0.015	1.2	3.1	12.2	0.4	0.2
	4500	Q100	188	7098.3	2.5	7100.8	0.011		0.011	3.8	49.0	29.8	0.5	1.1
	4500	Q010	18	7098.3	0.7	7099.0	0.011		0.011	1.9	9.7	16.0	0.4	0.4
	4500	Q002	3.8	7098.3	0.3	7098.6	0.011		0.011	1.1	3.4	12.5	0.4	0.2
	4276	Q100	188	7095.9	2.3	7098.2	0.014		0.019	4.2	44.5	28.6	0.6	1.8
	4276	Q010	18	7095.9	0.7	7096.6	0.014		0.017	2.0	9.1	15.7	0.5	0.6
	4276	Q002	3.8	7095.9	0.3	7096.2	0.014		0.015	1.1	3.4	12.4	0.4	0.3
	4150	Q100	188	7094.1	1.3	7095.4	0.060	7095.4	0.061	5.7	33.2	30.5	1.0	4.1
	4150	Q010	18	7094.1	0.3	7094.4	0.060		0.058	2.5	7.3	22.7	0.8	1.2
	4150	Q002	3.8	7094.1	0.1	7094.2	0.060		0.062	1.4	2.7	21.1	0.7	0.5
	4070	Q100	188	7089.3	1.3	7090.6	0.047	7090.5	0.044	4.8	39.3	36.6	0.8	2.9
	4070	Q010	18	7089.3	0.3	7089.6	0.047		0.054	2.3	7.8	25.6	0.7	1.0
	4070	Q002	3.8	7089.3	0.1	7089.4	0.047		0.065	1.4	2.7	22.1	0.7	0.5
	3997	Q100	188	7085.9	1.6	7087.5	0.019	7087.1	0.019	4.1	45.7	34.6	0.6	1.5
	3997	Q010	18	7085.9	0.5	7086.4	0.019	7086.2	0.018	1.7	10.3	27.9	0.5	0.4
	3997	Q002	3.8	7085.9	0.2	7086.1	0.019	7086.0	0.017	1.0	4.0	25.3	0.4	0.2

DEVELOPED CONDITIONS - VELOCITY AND SHEAR ANALYSIS

	River Sta	Profile	Q Total (cfs)	Invert (ft)	Depth (ft)	W.S. Elev (ft)	Slope	Crit W.S. (ft)	E.G. Slope (ft/ft)	Vel Total (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude #	Shear (lb/sq ft)
NATURAL SECTION	3880	Q100	188	7083.6	1.1	7084.7	0.015	7084.8	0.018	6.4	29.4	30.5	1.2	1.1
	3880	Q010	18	7083.6	0.4	7084.0	0.015	7083.9	0.013	2.5	7.3	25.0	0.8	0.2
	3880	Q002	3.8	7083.6	0.2	7083.8	0.015	7083.7	0.010	1.3	3.0	23.6	0.6	0.1

RIP-RAP	3700	Q100	293	7080.9	2.0	7082.9	0.017		0.018	4.7	62.0	37.3	0.6	1.9
LINED	3700	Q010	47	7080.9	0.8	7081.7	0.017		0.017	2.4	19.2	29.7	0.5	0.7
BOTTOM	3700	Q002	7.9	7080.9	0.3	7081.2	0.017		0.017	1.2	6.3	26.4	0.5	0.2

NATURAL SECTION	3500	Q100	293	7077.5	1.4	7078.9	0.014	7078.9	0.013	6.1	47.8	42.0	1.0	0.9
	3500	Q010	47	7077.5	0.5	7078.0	0.014		0.013	3.2	14.7	35.0	0.9	0.3
	3500	Q002	7.9	7077.5	0.3	7077.8	0.014		0.013	1.6	4.9	32.7	0.7	0.1
	3250	Q100	293	7074.1	1.2	7075.3	0.019	7075.3	0.014	5.9	49.5	49.2	1.0	0.9
	3250	Q010	47	7074.1	0.4	7074.5	0.019	7074.5	0.018	3.2	14.6	42.6	1.0	0.4
	3250	Q002	7.9	7074.1	0.2	7074.3	0.019		0.018	1.6	4.9	40.6	0.8	0.1
	3100	Q100	293	7071.3	1.2	7072.5	0.015	7072.6	0.017	6.5	44.9	43.0	1.1	1.1
	3100	Q010	47	7071.3	0.5	7071.8	0.015	7071.7	0.014	3.2	14.8	36.3	0.9	0.3
	3100	Q002	7.9	7071.3	0.2	7071.5	0.015		0.013	1.6	5.0	33.5	0.7	0.1
	3011	Q100	293	7070.0	1.2	7071.2	0.015	7071.3	0.016	6.3	46.4	45.9	1.1	1.0
	3011	Q010	47	7070.0	0.5	7070.5	0.015		0.013	3.0	15.6	39.0	0.8	0.3
	3011	Q002	7.9	7070.0	0.2	7070.2	0.015		0.012	1.5	5.3	36.3	0.7	0.1
	2887	Q100	293	7068.2	1.0	7069.2	0.015	7069.3	0.019	6.3	46.8	51.8	1.2	1.0
	2887	Q010	47	7068.2	0.3	7068.5	0.015	7068.6	0.037	3.9	12.1	46.6	1.3	0.6
	2887	Q002	7.9	7068.2	0.2	7068.4	0.015		0.012	1.4	5.7	45.6	0.7	0.1
	2740	Q100	293	7066.0	0.8	7066.8	0.022	7066.8	0.021	4.3	68.6	149.2	1.1	0.6
	2740	Q010	47	7066.0	0.4	7066.4	0.022	7066.4	0.022	2.5	18.5	89.8	1.0	0.3
	2740	Q002	7.9	7066.0	0.2	7066.2	0.022	7066.2	0.021	1.8	4.4	34.8	0.9	0.2
	2500	Q100	293	7060.8	1.3	7062.1	0.022	7062.1	0.016	5.4	54.7	66.8	1.1	0.8
	2500	Q010	47	7060.8	0.6	7061.4	0.022	7061.4	0.021	3.3	14.4	46.8	1.0	0.4
	2500	Q002	7.9	7060.8	0.3	7061.1	0.022	7061.1	0.023	2.2	3.5	21.7	1.0	0.2
	2326	Q100	293	7056.9	1.4	7058.3	0.021	7058.4	0.020	5.1	57.3	89.3	1.1	0.8
	2326	Q010	47	7056.9	0.7	7057.6	0.021	7057.7	0.021	3.5	13.3	37.7	1.1	0.5
	2326	Q002	7.9	7056.9	0.3	7057.2	0.021	7057.2	0.034	3.3	2.4	11.1	1.3	0.5
	2187	Q100	293	7054.0	1.1	7055.1	0.014	7055.2	0.021	5.8	50.1	62.3	1.2	1.0
	2187	Q010	47	7054.0	0.5	7054.5	0.014	7054.5	0.013	2.5	18.7	58.5	0.8	0.3
	2187	Q002	7.9	7054.0	0.2	7054.2	0.014	7054.2	0.137	3.6	2.2	25.0	2.2	0.7
	2045	Q100	293	7052.0	1.2	7053.2	0.018	7053.2	0.014	5.2	56.5	68.9	1.0	0.7
	2045	Q010	47	7052.0	0.6	7052.6	0.018	7052.6	0.018	2.8	17.0	62.3	0.9	0.3
	2045	Q002	7.9	7052.0	0.3	7052.3	0.018		0.019	1.8	4.3	31.1	0.9	0.2
	1899	Q100	293	7049.3	1.1	7050.4	0.022	7050.5	0.020	5.6	52.5	72.6	1.2	0.9
	1899	Q010	47	7049.3	0.5	7049.8	0.022	7049.8	0.020	3.1	15.2	52.3	1.0	0.4
	1899	Q002	7.9	7049.3	0.3	7049.6	0.022	7049.6	0.022	1.9	4.2	32.7	0.9	0.2
	1770	Q100	293	7046.5	1.0	7047.5	0.025	7047.6	0.024	6.2	47.1	63.8	1.3	1.1
	1770	Q010	47	7046.5	0.4	7046.9	0.025	7046.9	0.025	3.4	14.0	49.6	1.1	0.4
	1770	Q002	7.9	7046.5	0.2	7046.7	0.025	7046.7	0.023	1.9	4.2	34.5	0.9	0.2

DEVELOPED CONDITIONS - VELOCITY AND SHEAR ANALYSIS

	River Sta	Profile	Q Total (cfs)	Invert (ft)	Depth (ft)	W.S. Elev (ft)	Slope	Crit W.S. (ft)	E.G. Slope (ft/ft)	Vel Total (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude #	Shear (lb/sq ft)
NATURAL SECTION	1589	Q100	479	7042.0	1.3	7043.3	0.018	7043.3	0.014	5.9	81.5	81.1	1.0	0.9
	1589	Q010	79	7042.0	0.6	7042.6	0.018	7042.6	0.015	3.0	26.5	76.3	0.9	0.3
	1589	Q002	12	7042.0	0.3	7042.3	0.018	7042.3	0.017	1.8	6.6	44.7	0.8	0.2
	1354	Q100	479	7037.7	1.9	7039.6	0.013	7039.6	0.014	6.7	71.5	58.8	1.1	1.1
	1354	Q010	79	7037.7	0.9	7038.6	0.013	7038.6	0.017	3.9	20.4	43.2	1.0	0.5
	1354	Q002	12	7037.7	0.5	7038.2	0.013		0.015	2.2	5.5	25.3	0.8	0.2
	1209	Q100	479	7035.8	1.8	7037.6	0.022		0.004	4.0	120.1	76.2	0.6	0.3
	1209	Q010	79	7035.8	0.6	7036.4	0.022	7036.3	0.007	2.6	30.8	66.2	0.7	0.2
	1209	Q002	12	7035.8	0.2	7036.0	0.022		0.018	1.6	7.5	63.4	0.8	0.1
RIP-RAP TRAPAZOIDAL SECTION	1173	Q100	479	7035.0	2.4	7037.4	0.020		0.015	4.3	111.0	54.4	0.5	1.8
	1173	Q010	79	7035.0	0.8	7035.8	0.020	7035.5	0.017	2.3	33.6	44.4	0.5	0.8
	1173	Q002	12	7035.0	0.2	7035.2	0.020	7035.1	0.022	1.2	9.7	41.6	0.5	0.3
	1122	Q100	479	7034.0	2.0	7036.0	0.063		0.046	6.5	74.2	45.7	0.9	4.7
	1122	Q010	79	7034.0	0.7	7034.7	0.063		0.051	3.6	22.1	35.4	0.8	2.0
	1122	Q002	12	7034.0	0.3	7034.3	0.063		0.033	1.5	7.8	32.0	0.5	0.5
	1098	Q100	479	7032.5	2.0	7034.5	0.062	7034.5	0.061	7.1	67.4	43.9	1.0	5.7
	1098	Q010	79	7032.5	0.9	7033.4	0.062		0.058	3.7	21.2	35.1	0.8	2.2
	1098	Q002	12	7032.5	0.4	7032.9	0.062	7032.9	0.110	2.2	5.4	31.6	1.0	1.2
	1000	Q100	479	7026.4	1.8	7028.2		7028.2	0.068	7.3	65.3	44.1	1.1	6.2
	1000	Q010	79	7026.4	0.6	7027.0		7027.0	0.067	3.9	20.2	35.0	0.9	2.4
	1000	Q002	12	7026.4	0.2	7026.6		7026.6	0.117	2.3	5.3	31.4	1.0	1.2

Interpolated cross sections have been omitted from the above chart.

HISTORIC CONDITIONS - DEPTH ANALYSIS

River Sta	Profile	Q Total (cfs)	Invert (ft)	Depth (ft)	W.S. Elev (ft)	Slope	Crit W.S. (ft)	E.G. Slope (ft/ft)	Vel Total (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude #	Shear (lb/sq ft)
4141	Q100	192	7089.2	1.2	7090.4	0.023	7090.4	0.024	5.2	36.6	41.4	1.0	1.3
4141	Q010	28	7089.2	0.5	7089.7	0.023	7089.6	0.024	2.8	10.1	29.8	0.8	0.5
4141	Q002	1.4	7089.2	0.1	7089.3	0.023	7089.3	0.031	1.1	1.2	17.3	0.7	0.1
3997	Q100	192	7085.9	1.3	7087.2	0.019	7087.1	0.019	5.3	35.9	32.9	0.9	1.3
3997	Q010	28	7085.9	0.5	7086.4	0.019		0.020	2.7	10.4	27.9	0.8	0.5
3997	Q002	1.4	7085.9	0.1	7086.0	0.019		0.016	0.8	1.7	23.5	0.5	0.1
3880	Q100	192	7083.6	1.4	7085.0	0.015		0.015	5.0	38.3	32.5	0.8	1.1
3880	Q010	28	7083.6	0.5	7084.1	0.015		0.015	2.5	11.1	26.1	0.7	0.4
3880	Q002	1.4	7083.6	0.1	7083.7	0.015		0.014	0.8	1.8	23.2	0.5	0.1
3700	Q100	192	7080.9	1.3	7082.2	0.017	7082.1	0.018	5.2	36.6	33.5	0.9	1.2
3700	Q010	28	7080.9	0.5	7081.4	0.017		0.017	2.6	10.6	26.5	0.7	0.4
3700	Q002	1.4	7080.9	0.1	7081.0	0.017		0.017	0.8	1.7	23.2	0.6	0.1
3500	Q100	192	7077.5	1.3	7078.8	0.014		0.014	4.5	42.9	41.0	0.8	0.9
3500	Q010	28	7077.5	0.5	7078.0	0.014		0.013	2.2	12.7	34.6	0.6	0.3
3500	Q002	1.4	7077.5	0.2	7077.7	0.014		0.013	0.8	1.8	24.3	0.5	0.1
3250	Q100	289	7074.1	1.3	7075.4	0.020	7075.3	0.017	5.2	55.8	50.0	0.9	1.2
3250	Q010	43	7074.1	0.5	7074.6	0.020		0.018	2.7	16.1	41.5	0.8	0.4
3250	Q002	2.4	7074.1	0.1	7074.2	0.020		0.019	0.9	2.7	38.2	0.6	0.1
3100	Q100	289	7071.1	1.9	7073.0	0.012		0.013	5.4	53.8	37.9	0.8	1.2
3100	Q010	43	7071.1	0.7	7071.8	0.012		0.012	2.8	15.4	27.3	0.7	0.4
3100	Q002	2.4	7071.1	0.2	7071.3	0.012		0.011	0.9	2.5	21.7	0.5	0.1
3011	Q100	289	7070.0	1.7	7071.7	0.015	7071.6	0.018	5.7	51.1	41.3	0.9	1.3
3011	Q010	43	7070.0	0.6	7070.6	0.015		0.014	2.9	15.0	28.9	0.7	0.5
3011	Q002	2.4	7070.0	0.2	7070.2	0.015		0.011	0.9	2.6	23.2	0.5	0.1
2887	Q100	289	7068.2	1.1	7069.3	0.015	7069.3	0.021	5.4	53.5	52.8	0.9	1.3
2887	Q010	43	7068.2	0.4	7068.6	0.015		0.014	2.3	18.4	47.6	0.7	0.3
2887	Q002	2.4	7068.2	0.1	7068.3	0.015		0.011	0.7	3.4	45.2	0.4	0.1
2740	Q100	289	7066.0	0.9	7066.9	0.022		0.020	3.5	82.2	151.2	0.8	0.7
2740	Q010	43	7066.0	0.4	7066.4	0.022		0.021	2.0	21.6	97.0	0.7	0.3
2740	Q002	2.4	7066.0	0.1	7066.1	0.022		0.022	1.0	2.4	31.8	0.6	0.1
2500	Q100	289	7060.8	1.3	7062.1	0.022	7062.1	0.022	5.0	57.7	67.0	1.0	1.2
2500	Q010	43	7060.8	0.7	7061.5	0.022	7061.4	0.022	2.6	16.4	49.9	0.8	0.4
2500	Q002	2.4	7060.8	0.2	7061.0	0.022		0.024	1.4	1.8	15.3	0.7	0.2
2326	Q100	289	7056.9	1.5	7058.4	0.021	7058.4	0.026	4.6	62.5	91.9	1.0	1.1
2326	Q010	43	7056.9	0.8	7057.7	0.021	7057.6	0.026	3.0	14.1	39.0	0.9	0.6
2326	Q002	2.4	7056.9	0.2	7057.1	0.021		0.030	1.7	1.4	10.1	0.8	0.3
2187	Q100	289	7054.0	1.3	7055.3	0.014	7055.1	0.013	4.3	66.7	64.1	0.7	0.8
2187	Q010	43	7054.0	0.6	7054.6	0.014	7054.5	0.013	2.1	20.5	58.8	0.6	0.3
2187	Q002	2.4	7054.0	0.2	7054.2	0.014		0.013	0.9	2.7	26.8	0.5	0.1
2045	Q100	289	7052.0	1.3	7053.3	0.018	7053.2	0.019	4.7	61.8	69.7	0.9	1.0
2045	Q010	43	7052.0	0.6	7052.6	0.018		0.018	2.2	19.1	62.7	0.7	0.3
2045	Q002	2.4	7052.0	0.2	7052.2	0.018		0.017	1.1	2.3	22.2	0.6	0.1

HISTORIC CONDITIONS - DEPTH ANALYSIS

River Sta	Profile	Q Total (cfs)	Invert (ft)	Depth (ft)	W.S. Elev (ft)	Slope	Crit W.S. (ft)	E.G. Slope (ft/ft)	Vel Total (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude #	Shear (lb/sq ft)
1899	Q100	289	7049.3	1.2	7050.5	0.022	7050.5	0.019	4.6	63.0	74.8	0.9	1.0
1899	Q010	43	7049.3	0.6	7049.9	0.022	7049.8	0.023	2.6	16.8	54.8	0.8	0.4
1899	Q002	2.4	7049.3	0.2	7049.5	0.022		0.025	1.1	2.2	27.8	0.7	0.1
1770	Q100	289	7046.5	1.1	7047.6	0.025	7047.6	0.025	5.3	55.0	64.6	1.0	1.3
1770	Q010	43	7046.5	0.5	7047.0	0.025		0.021	2.5	17.0	53.4	0.8	0.4
1770	Q002	2.4	7046.5	0.1	7046.6	0.025		0.019	1.0	2.5	31.1	0.6	0.1
1589	Q100	498	7042.0	1.5	7043.5	0.018		0.016	5.2	96.1	82.3	0.8	1.2
1589	Q010	78	7042.0	0.6	7042.6	0.018		0.017	2.6	29.9	76.6	0.7	0.4
1589	Q002	4.9	7042.0	0.2	7042.2	0.018		0.020	1.2	4.0	34.8	0.6	0.1
1354	Q100	498	7037.7	2.0	7039.7	0.013	7039.6	0.018	6.1	81.7	60.2	0.9	1.5
1354	Q010	78	7037.7	0.9	7038.6	0.013		0.016	3.2	24.6	43.8	0.7	0.6
1354	Q002	4.9	7037.7	0.3	7038.0	0.013		0.014	1.3	3.7	21.6	0.6	0.1
1209	Q100	498	7035.8	1.9	7037.7	0.022		0.007	4.1	121.8	76.3	0.6	0.6
1209	Q010	78	7035.8	0.7	7036.5	0.022		0.008	2.2	36.0	66.8	0.5	0.3
1209	Q002	4.9	7035.8	0.2	7036.0	0.022	7035.9	0.042	1.4	3.6	47.6	0.9	0.2
1173	Q100	498	7035.0	1.7	7036.7		7036.6	0.018	6.5	76.5	50.1	0.9	1.7
1173	Q010	78	7035.0	0.6	7035.6		7035.5	0.018	3.3	23.7	43.3	0.8	0.6
1173	Q002	4.9	7035.0	0.1	7035.1		7035.1	0.086	1.8	2.7	40.7	1.2	0.4

Interpolated cross sections have been omitted from the above chart.

HISTORIC CONDITIONS - VELOCITY AND SHEAR ANALYSIS

River Sta	Profile	Q Total (cfs)	Invert (ft)	Depth (ft)	W.S. Elev (ft)	Slope	Crit W.S. (ft)	E.G. Slope (ft/ft)	Vel Total (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude #	Shear (lb/sq ft)
4141	Q100	192	7089.2	1.1	7090.3	0.023	7090.4	0.023	6.3	30.6	39.5	1.3	1.1
4141	Q010	28	7089.2	0.4	7089.6	0.023	7089.6	0.023	3.3	8.5	28.7	1.1	0.4
4141	Q002	1.4	7089.2	0.1	7089.3	0.023	7089.3	0.028	1.3	1.0	15.8	0.9	0.1
3997	Q100	192	7085.9	1.1	7087.0	0.019	7087.1	0.021	6.7	28.5	31.5	1.2	1.2
3997	Q010	28	7085.9	0.4	7086.3	0.019	7086.3	0.024	3.4	8.2	27.4	1.1	0.4
3997	Q002	1.4	7085.9	0.1	7086.0	0.019	7086.0	0.015	1.0	1.5	23.3	0.7	0.1
3880	Q100	192	7083.6	1.1	7084.7	0.015	7084.9	0.020	6.6	28.9	30.4	1.2	1.1
3880	Q010	28	7083.6	0.4	7084.0	0.015	7084.0	0.014	3.0	9.3	25.7	0.9	0.3
3880	Q002	1.4	7083.6	0.1	7083.7	0.015	7083.7	0.015	1.0	1.5	23.1	0.7	0.1
3700	Q100	192	7080.9	1.2	7082.1	0.017	7082.1	0.016	6.0	31.8	32.7	1.1	0.9
3700	Q010	28	7080.9	0.4	7081.3	0.017	7081.3	0.016	3.1	9.0	25.9	0.9	0.4
3700	Q002	1.4	7080.9	0.1	7081.0	0.017		0.016	1.0	1.4	23.1	0.7	0.1
3500	Q100	192	7077.5	1.0	7078.5	0.014	7078.6	0.017	5.8	33.0	39.0	1.1	0.9
3500	Q010	28	7077.5	0.3	7077.8	0.014	7077.9	0.057	4.1	6.8	33.2	1.6	0.7
3500	Q002	1.4	7077.5	0.1	7077.6	0.014		0.013	0.9	1.5	21.9	0.6	0.1
3250	Q100	289	7074.1	1.2	7075.3	0.020	7075.3	0.013	5.8	50.1	48.9	1.0	0.8
3250	Q010	43	7074.1	0.4	7074.5	0.020	7074.5	0.018	3.2	13.6	40.9	1.0	0.4
3250	Q002	2.4	7074.1	0.1	7074.2	0.020		0.014	1.0	2.5	38.2	0.7	0.1
3100	Q100	289	7071.1	1.6	7072.7	0.012	7072.7	0.015	6.8	42.2	35.1	1.1	1.1
3100	Q010	43	7071.1	0.6	7071.7	0.012	7071.6	0.012	3.3	12.9	26.3	0.8	0.4
3100	Q002	2.4	7071.1	0.2	7071.3	0.012		0.011	1.1	2.1	21.5	0.6	0.1
3011	Q100	289	7070.0	1.5	7071.5	0.015	7071.6	0.015	6.5	44.7	39.3	1.1	1.0
3011	Q010	43	7070.0	0.6	7070.6	0.015		0.014	3.4	12.6	27.9	0.9	0.4
3011	Q002	2.4	7070.0	0.1	7070.1	0.015		0.012	1.1	2.1	22.9	0.6	0.1
2887	Q100	289	7068.2	1.0	7069.2	0.015	7069.3	0.020	6.3	45.6	51.7	1.2	1.1
2887	Q010	43	7068.2	0.3	7068.5	0.015	7068.6	0.033	3.6	11.9	46.6	1.3	0.5
2887	Q002	2.4	7068.2	0.1	7068.3	0.015		0.012	0.8	2.8	45.1	0.6	0.0
2740	Q100	289	7066.0	0.8	7066.8	0.022	7066.8	0.023	4.4	66.2	148.9	1.2	0.6
2740	Q010	43	7066.0	0.4	7066.4	0.022	7066.4	0.021	2.5	17.5	87.5	1.0	0.3
2740	Q002	2.4	7066.0	0.1	7066.1	0.022	7066.1	0.022	1.2	2.0	31.1	0.8	0.1
2500	Q100	289	7060.8	1.3	7062.1	0.022	7062.1	0.016	5.4	53.5	66.7	1.1	0.8
2500	Q010	43	7060.8	0.6	7061.4	0.022	7061.4	0.020	3.2	13.6	45.6	1.0	0.4
2500	Q002	2.4	7060.8	0.2	7061.0	0.022	7061.0	0.023	1.7	1.4	13.9	0.9	0.1
2326	Q100	289	7056.9	1.4	7058.3	0.021	7058.4	0.021	5.2	55.5	88.4	1.2	0.8
2326	Q010	43	7056.9	0.7	7057.6	0.021	7057.6	0.024	3.6	11.8	35.4	1.1	0.5
2326	Q002	2.4	7056.9	0.2	7057.1	0.021	7057.1	0.024	1.9	1.2	9.9	1.0	0.2
2187	Q100	289	7054.0	1.0	7055.0	0.014	7055.1	0.021	6.0	48.0	62.0	1.2	1.0
2187	Q010	43	7054.0	0.5	7054.5	0.014	7054.5	0.013	2.5	17.4	58.4	0.8	0.2
2187	Q002	2.4	7054.0	0.2	7054.2	0.014	7054.1	0.012	1.1	2.2	25.2	0.6	0.1
2045	Q100	289	7052.0	1.2	7053.2	0.018	7053.2	0.015	5.2	55.1	68.7	1.0	0.8
2045	Q010	43	7052.0	0.6	7052.6	0.018	7052.5	0.019	2.7	15.6	62.1	1.0	0.3
2045	Q002	2.4	7052.0	0.2	7052.2	0.018		0.016	1.3	1.8	19.8	0.8	0.1

HISTORIC CONDITIONS - VELOCITY AND SHEAR ANALYSIS

River Sta	Profile	Q Total (cfs)	Invert (ft)	Depth (ft)	W.S. Elev (ft)	Slope	Crit W.S. (ft)	E.G. Slope (ft/ft)	Vel Total (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude #	Shear (lb/sq ft)
1899	Q100	289	7049.3	1.1	7050.4	0.022	7050.5	0.020	5.6	52.1	72.5	1.2	0.9
1899	Q010	43	7049.3	0.4	7049.7	0.022	7049.8	0.056	4.4	9.8	43.5	1.6	0.8
1899	Q002	2.4	7049.3	0.2	7049.5	0.022	7049.5	0.023	1.3	1.9	26.3	0.9	0.1
1770	Q100	289	7046.5	1.0	7047.5	0.025	7047.6	0.024	6.2	46.6	63.7	1.3	1.1
1770	Q010	43	7046.5	0.4	7046.9	0.025	7046.9	0.021	3.1	14.1	49.7	1.0	0.4
1770	Q002	2.4	7046.5	0.1	7046.6	0.025	7046.6	0.021	1.2	2.0	30.1	0.8	0.1
1589	Q100	498	7042.0	1.3	7043.3	0.018	7043.3	0.014	6.0	83.7	81.3	1.0	0.9
1589	Q010	78	7042.0	0.5	7042.5	0.018	7042.6	0.033	3.8	20.7	75.8	1.3	0.6
1589	Q002	4.9	7042.0	0.2	7042.2	0.018	7042.2	0.018	1.5	3.3	31.8	0.8	0.1
1354	Q100	498	7037.7	1.8	7039.5	0.013	7039.6	0.015	6.9	71.9	57.8	1.1	1.1
1354	Q010	78	7037.7	0.8	7038.5	0.013	7038.5	0.016	3.8	20.4	42.4	1.0	0.5
1354	Q002	4.9	7037.7	0.2	7037.9	0.013	7037.9	0.014	1.7	3.0	20.1	0.8	0.1
1209	Q100	498	7035.8	1.8	7037.6	0.022		0.005	4.4	114.4	75.6	0.6	0.4
1209	Q010	78	7035.8	0.6	7036.4	0.022	7036.3	0.008	2.6	30.6	66.2	0.7	0.2
1209	Q002	4.9	7035.8	0.1	7035.9	0.022	7035.9	0.035	1.6	3.1	44.4	1.0	0.2
1173	Q100	498	7035.0	1.4	7036.4		7036.6	0.018	7.9	63.3	48.3	1.2	1.4
1173	Q010	78	7035.0	0.4	7035.4		7035.5	0.044	5.2	15.0	42.3	1.5	1.0
1173	Q002	4.9	7035.0	0.1	7035.1		7035.1	0.048	1.8	2.7	40.7	1.2	0.2

Interpolated cross sections have been omitted from the above chart.

DEVELOPED CONDITION

DEPTH ANALYSIS

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5710 Profile: Q100

E.G. Elev (ft)	7127.59	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.46	Wt. n-Val.		0.078	
W.S. Elev (ft)	7127.14	Reach Len. (ft)	34.00	38.00	40.00
Crit W.S. (ft)	7127.14	Flow Area (sq ft)		33.04	
E.G. Slope (ft/ft)	0.095116	Area (sq ft)		33.04	
Q Total (cfs)	179.00	Flow (cfs)		179.00	
Top Width (ft)	36.50	Top Width (ft)		36.50	
Vel Total (ft/s)	5.42	Avg. Vel. (ft/s)		5.42	
Max Chl Dpth (ft)	1.63	Hydr. Depth (ft)		0.91	
Conv. Total (cfs)	580.4	Conv. (cfs)		580.4	
Length Wtd. (ft)	38.00	Wetted Per. (ft)		37.31	
Min Ch El (ft)	7125.50	Shear (lb/sq ft)		5.26	
Alpha	1.00	Stream Power (lb/ft s)		28.49	
Frctn Loss (ft)	0.83	Cum Volume (acre-ft)	0.01	6.49	0.05
C & E Loss (ft)	0.11	Cum SA (acres)	0.03	5.64	0.12

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning:	During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5672 Profile: Q100

E.G. Elev (ft)	7126.26	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.	0.050	0.078	0.050
W.S. Elev (ft)	7126.16	Reach Len. (ft)	49.00	50.00	50.75
Crit W.S. (ft)	7125.18	Flow Area (sq ft)	0.06	72.17	0.15
E.G. Slope (ft/ft)	0.009468	Area (sq ft)	0.06	72.17	0.15
Q Total (cfs)	179.00	Flow (cfs)	0.03	178.89	0.08
Top Width (ft)	48.96	Top Width (ft)	0.79	46.30	1.87
Vel Total (ft/s)	2.47	Avg. Vel. (ft/s)	0.53	2.48	0.54
Max Chl Dpth (ft)	2.66	Hydr. Depth (ft)	0.08	1.56	0.08
Conv. Total (cfs)	1839.6	Conv. (cfs)	0.3	1838.5	0.8
Length Wtd. (ft)	50.00	Wetted Per. (ft)	0.80	46.66	1.88
Min Ch El (ft)	7123.50	Shear (lb/sq ft)	0.05	0.91	0.05
Alpha	1.00	Stream Power (lb/ft s)	0.02	2.27	0.03
Frctn Loss (ft)	0.48	Cum Volume (acre-ft)	0.01	6.44	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.03	5.60	0.12

Errors Warnings and Notes

Note:	Hydraulic jump has occurred between this cross section and the previous upstream section.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5622.00* Profile: Q100

E.G. Elev (ft)	7125.78	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.	0.050	0.078	0.050
W.S. Elev (ft)	7125.68	Reach Len. (ft)	49.00	50.00	50.75
Crit W.S. (ft)		Flow Area (sq ft)	0.07	70.37	0.11
E.G. Slope (ft/ft)	0.009544	Area (sq ft)	0.07	70.37	0.11

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5622.00* Profile: Q100 (Continued)

Q Total (cfs)	179.00	Flow (cfs)	0.04	178.90	0.06
Top Width (ft)	45.66	Top Width (ft)	0.77	43.72	1.17
Vel Total (ft/s)	2.54	Avg. Vel. (ft/s)	0.58	2.54	0.59
Max Chl Dpth (ft)	2.56	Hydr. Depth (ft)	0.09	1.61	0.09
Conv. Total (cfs)	1832.3	Conv. (cfs)	0.4	1831.2	0.6
Length Wtd. (ft)	50.00	Wetted Per. (ft)	0.79	44.08	1.19
Min Ch El (ft)	7123.12	Shear (lb/sq ft)	0.05	0.95	0.05
Alpha	1.00	Stream Power (lb/ft s)	0.03	2.42	0.03
Frctn Loss (ft)	0.49	Cum Volume (acre-ft)	0.01	6.36	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.02	5.55	0.11

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5572.00* Profile: Q100

E.G. Elev (ft)	7125.30	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.11	Wt. n-Val.	0.050	0.078	0.050
W.S. Elev (ft)	7125.19	Reach Len. (ft)	49.00	50.00	50.75
Crit W.S. (ft)		Flow Area (sq ft)	0.07	67.88	0.07
E.G. Slope (ft/ft)	0.009939	Area (sq ft)	0.07	67.88	0.07
Q Total (cfs)	179.00	Flow (cfs)	0.04	178.92	0.04
Top Width (ft)	42.60	Top Width (ft)	0.71	41.15	0.75
Vel Total (ft/s)	2.63	Avg. Vel. (ft/s)	0.60	2.64	0.60
Max Chl Dpth (ft)	2.44	Hydr. Depth (ft)	0.09	1.65	0.09
Conv. Total (cfs)	1795.5	Conv. (cfs)	0.4	1794.7	0.4
Length Wtd. (ft)	50.00	Wetted Per. (ft)	0.73	41.51	0.77
Min Ch El (ft)	7122.75	Shear (lb/sq ft)	0.06	1.01	0.06
Alpha	1.00	Stream Power (lb/ft s)	0.03	2.67	0.03
Frctn Loss (ft)	0.54	Cum Volume (acre-ft)	0.01	6.28	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.02	5.50	0.11

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5522.00* Profile: Q100

E.G. Elev (ft)	7124.75	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.13	Wt. n-Val.	0.050	0.078	0.050
W.S. Elev (ft)	7124.63	Reach Len. (ft)	49.00	50.00	50.75
Crit W.S. (ft)		Flow Area (sq ft)	0.03	62.74	0.02
E.G. Slope (ft/ft)	0.011888	Area (sq ft)	0.03	62.74	0.02
Q Total (cfs)	179.00	Flow (cfs)	0.01	178.98	0.01
Top Width (ft)	39.33	Top Width (ft)	0.43	38.58	0.32
Vel Total (ft/s)	2.85	Avg. Vel. (ft/s)	0.50	2.85	0.49
Max Chl Dpth (ft)	2.25	Hydr. Depth (ft)	0.06	1.63	0.06
Conv. Total (cfs)	1641.7	Conv. (cfs)	0.1	1641.5	0.1
Length Wtd. (ft)	50.00	Wetted Per. (ft)	0.45	38.97	0.34
Min Ch El (ft)	7122.38	Shear (lb/sq ft)	0.05	1.19	0.04
Alpha	1.00	Stream Power (lb/ft s)	0.02	3.41	0.02
Frctn Loss (ft)	0.67	Cum Volume (acre-ft)	0.01	6.20	0.05
C & E Loss (ft)	0.01	Cum SA (acres)	0.02	5.45	0.11

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5472 Profile: Q100

E.G. Elev (ft)	7124.07	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.18	Wt. n-Val.		0.069	
W.S. Elev (ft)	7123.89	Reach Len. (ft)	32.51	32.74	32.51
Crit W.S. (ft)		Flow Area (sq ft)		52.13	
E.G. Slope (ft/ft)	0.015289	Area (sq ft)		52.13	
Q Total (cfs)	179.00	Flow (cfs)		179.00	
Top Width (ft)	35.13	Top Width (ft)		35.13	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5472 Profile: Q100 (Continued)

Vel Total (ft/s)	3.43	Avg. Vel. (ft/s)		3.43	
Max Chl Dpth (ft)	1.89	Hydr. Depth (ft)		1.48	
Conv. Total (cfs)	1447.7	Conv. (cfs)		1447.7	
Length Wtd. (ft)	32.74	Wetted Per. (ft)		35.59	
Min Ch El (ft)	7122.00	Shear (lb/sq ft)		1.40	
Alpha	1.00	Stream Power (lb/ft s)		4.80	
Frctn Loss (ft)	0.50	Cum Volume (acre-ft)	0.01	6.14	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.02	5.41	0.11

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5439.25* Profile: Q100

E.G. Elev (ft)	7123.57	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.18	Wt. n-Val.		0.069	
W.S. Elev (ft)	7123.39	Reach Len. (ft)	32.51	32.74	32.51
Crit W.S. (ft)		Flow Area (sq ft)		52.09	
E.G. Slope (ft/ft)	0.015318	Area (sq ft)		52.09	
Q Total (cfs)	179.00	Flow (cfs)		179.00	
Top Width (ft)	35.12	Top Width (ft)		35.12	
Vel Total (ft/s)	3.44	Avg. Vel. (ft/s)		3.44	
Max Chl Dpth (ft)	1.89	Hydr. Depth (ft)		1.48	
Conv. Total (cfs)	1446.3	Conv. (cfs)		1446.3	
Length Wtd. (ft)	32.74	Wetted Per. (ft)		35.59	
Min Ch El (ft)	7121.50	Shear (lb/sq ft)		1.40	
Alpha	1.00	Stream Power (lb/ft s)		4.81	
Frctn Loss (ft)	0.50	Cum Volume (acre-ft)	0.01	6.10	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.02	5.38	0.11

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5406.50* Profile: Q100

E.G. Elev (ft)	7123.07	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.18	Wt. n-Val.		0.069	
W.S. Elev (ft)	7122.89	Reach Len. (ft)	32.51	32.74	32.51
Crit W.S. (ft)		Flow Area (sq ft)		52.06	
E.G. Slope (ft/ft)	0.015347	Area (sq ft)		52.06	
Q Total (cfs)	179.00	Flow (cfs)		179.00	
Top Width (ft)	35.11	Top Width (ft)		35.11	
Vel Total (ft/s)	3.44	Avg. Vel. (ft/s)		3.44	
Max Chl Dpth (ft)	1.89	Hydr. Depth (ft)		1.48	
Conv. Total (cfs)	1444.9	Conv. (cfs)		1444.9	
Length Wtd. (ft)	32.74	Wetted Per. (ft)		35.58	
Min Ch El (ft)	7121.00	Shear (lb/sq ft)		1.40	
Alpha	1.00	Stream Power (lb/ft s)		4.82	
Frctn Loss (ft)	0.51	Cum Volume (acre-ft)	0.01	6.06	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.02	5.36	0.11

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5373.75* Profile: Q100

E.G. Elev (ft)	7122.57	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.19	Wt. n-Val.		0.069	
W.S. Elev (ft)	7122.38	Reach Len. (ft)	32.51	32.74	32.51
Crit W.S. (ft)		Flow Area (sq ft)		51.68	
E.G. Slope (ft/ft)	0.015670	Area (sq ft)		51.68	
Q Total (cfs)	179.00	Flow (cfs)		179.00	
Top Width (ft)	35.03	Top Width (ft)		35.03	
Vel Total (ft/s)	3.46	Avg. Vel. (ft/s)		3.46	
Max Chl Dpth (ft)	1.88	Hydr. Depth (ft)		1.48	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5373.75* Profile: Q100 (Continued)

Conv. Total (cfs)	1429.9	Conv. (cfs)		1429.9	
Length Wtd. (ft)	32.74	Wetted Per. (ft)		35.49	
Min Ch El (ft)	7120.50	Shear (lb/sq ft)		1.42	
Alpha	1.00	Stream Power (lb/ft s)		4.93	
Frctn Loss (ft)	0.68	Cum Volume (acre-ft)	0.01	6.02	0.05
C & E Loss (ft)	0.01	Cum SA (acres)	0.02	5.33	0.11

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5341 Profile: Q100

E.G. Elev (ft)	7121.87	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.28	Wt. n-Val.		0.069	
W.S. Elev (ft)	7121.59	Reach Len. (ft)	30.67	30.33	30.33
Crit W.S. (ft)		Flow Area (sq ft)		41.92	
E.G. Slope (ft/ft)	0.028702	Area (sq ft)		41.92	
Q Total (cfs)	179.00	Flow (cfs)		179.00	
Top Width (ft)	32.72	Top Width (ft)		32.72	
Vel Total (ft/s)	4.27	Avg. Vel. (ft/s)		4.27	
Max Chl Dpth (ft)	1.59	Hydr. Depth (ft)		1.28	
Conv. Total (cfs)	1056.6	Conv. (cfs)		1056.6	
Length Wtd. (ft)	30.33	Wetted Per. (ft)		33.11	
Min Ch El (ft)	7120.00	Shear (lb/sq ft)		2.27	
Alpha	1.00	Stream Power (lb/ft s)		9.69	
Frctn Loss (ft)	0.86	Cum Volume (acre-ft)	0.01	5.99	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.02	5.31	0.11

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5310.67* Profile: Q100

E.G. Elev (ft)	7121.01	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.28	Wt. n-Val.		0.069	
W.S. Elev (ft)	7120.73	Reach Len. (ft)	30.67	30.33	30.33
Crit W.S. (ft)		Flow Area (sq ft)		42.15	
E.G. Slope (ft/ft)	0.028261	Area (sq ft)		42.15	
Q Total (cfs)	179.00	Flow (cfs)		179.00	
Top Width (ft)	32.78	Top Width (ft)		32.78	
Vel Total (ft/s)	4.25	Avg. Vel. (ft/s)		4.25	
Max Chl Dpth (ft)	1.60	Hydr. Depth (ft)		1.29	
Conv. Total (cfs)	1064.8	Conv. (cfs)		1064.8	
Length Wtd. (ft)	30.33	Wetted Per. (ft)		33.17	
Min Ch El (ft)	7119.13	Shear (lb/sq ft)		2.24	
Alpha	1.00	Stream Power (lb/ft s)		9.52	
Frctn Loss (ft)	0.86	Cum Volume (acre-ft)	0.01	5.96	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.02	5.28	0.11

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5280.33* Profile: Q100

E.G. Elev (ft)	7120.15	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.28	Wt. n-Val.		0.069	
W.S. Elev (ft)	7119.86	Reach Len. (ft)	30.67	30.33	30.33
Crit W.S. (ft)		Flow Area (sq ft)		41.99	
E.G. Slope (ft/ft)	0.028575	Area (sq ft)		41.99	
Q Total (cfs)	179.00	Flow (cfs)		179.00	
Top Width (ft)	32.74	Top Width (ft)		32.74	
Vel Total (ft/s)	4.26	Avg. Vel. (ft/s)		4.26	
Max Chl Dpth (ft)	1.59	Hydr. Depth (ft)		1.28	
Conv. Total (cfs)	1058.9	Conv. (cfs)		1058.9	
Length Wtd. (ft)	30.33	Wetted Per. (ft)		33.13	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5280.33* Profile: Q100 (Continued)

Min Ch El (ft)	7118.27	Shear (lb/sq ft)		2.26	
Alpha	1.00	Stream Power (lb/ft s)		9.64	
Frctn Loss (ft)	0.88	Cum Volume (acre-ft)	0.01	5.93	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.02	5.26	0.11

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5250 Profile: Q100

E.G. Elev (ft)	7119.27	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.29	Wt. n-Val.		0.069	
W.S. Elev (ft)	7118.98	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)		Flow Area (sq ft)		41.70	
E.G. Slope (ft/ft)	0.029152	Area (sq ft)		41.70	
Q Total (cfs)	179.00	Flow (cfs)		179.00	
Top Width (ft)	32.67	Top Width (ft)		32.67	
Vel Total (ft/s)	4.29	Avg. Vel. (ft/s)		4.29	
Max Chl Dpth (ft)	1.58	Hydr. Depth (ft)		1.28	
Conv. Total (cfs)	1048.4	Conv. (cfs)		1048.4	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		33.06	
Min Ch El (ft)	7117.40	Shear (lb/sq ft)		2.30	
Alpha	1.00	Stream Power (lb/ft s)		9.85	
Frctn Loss (ft)	0.95	Cum Volume (acre-ft)	0.01	5.90	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.02	5.24	0.11

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5217.25* Profile: Q100

E.G. Elev (ft)	7118.32	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.28	Wt. n-Val.		0.069	
W.S. Elev (ft)	7118.04	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)		Flow Area (sq ft)		41.83	
E.G. Slope (ft/ft)	0.028894	Area (sq ft)		41.83	
Q Total (cfs)	179.00	Flow (cfs)		179.00	
Top Width (ft)	32.70	Top Width (ft)		32.70	
Vel Total (ft/s)	4.28	Avg. Vel. (ft/s)		4.28	
Max Chl Dpth (ft)	1.59	Hydr. Depth (ft)		1.28	
Conv. Total (cfs)	1053.1	Conv. (cfs)		1053.1	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		33.09	
Min Ch El (ft)	7116.45	Shear (lb/sq ft)		2.28	
Alpha	1.00	Stream Power (lb/ft s)		9.76	
Frctn Loss (ft)	0.95	Cum Volume (acre-ft)	0.01	5.87	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.02	5.21	0.11

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5184.50* Profile: Q100

E.G. Elev (ft)	7117.37	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.29	Wt. n-Val.		0.069	
W.S. Elev (ft)	7117.08	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)		Flow Area (sq ft)		41.70	
E.G. Slope (ft/ft)	0.029152	Area (sq ft)		41.70	
Q Total (cfs)	179.00	Flow (cfs)		179.00	
Top Width (ft)	32.67	Top Width (ft)		32.67	
Vel Total (ft/s)	4.29	Avg. Vel. (ft/s)		4.29	
Max Chl Dpth (ft)	1.58	Hydr. Depth (ft)		1.28	
Conv. Total (cfs)	1048.4	Conv. (cfs)		1048.4	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		33.06	
Min Ch El (ft)	7115.50	Shear (lb/sq ft)		2.30	
Alpha	1.00	Stream Power (lb/ft s)		9.85	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5184.50* Profile: Q100 (Continued)

Frctn Loss (ft)	0.95	Cum Volume (acre-ft)	0.01	5.84	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.02	5.19	0.11

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5151.75* Profile: Q100

E.G. Elev (ft)	7116.42	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.28	Wt. n-Val.		0.069	
W.S. Elev (ft)	7116.14	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)		Flow Area (sq ft)		41.82	
E.G. Slope (ft/ft)	0.028899	Area (sq ft)		41.82	
Q Total (cfs)	179.00	Flow (cfs)		179.00	
Top Width (ft)	32.69	Top Width (ft)		32.69	
Vel Total (ft/s)	4.28	Avg. Vel. (ft/s)		4.28	
Max Chl Dpth (ft)	1.59	Hydr. Depth (ft)		1.28	
Conv. Total (cfs)	1053.0	Conv. (cfs)		1053.0	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		33.08	
Min Ch EI (ft)	7114.55	Shear (lb/sq ft)		2.28	
Alpha	1.00	Stream Power (lb/ft s)		9.76	
Frctn Loss (ft)	0.95	Cum Volume (acre-ft)	0.01	5.80	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.02	5.16	0.11

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5119.00* Profile: Q100

E.G. Elev (ft)	7115.47	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.29	Wt. n-Val.		0.069	
W.S. Elev (ft)	7115.18	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)		Flow Area (sq ft)		41.70	
E.G. Slope (ft/ft)	0.029152	Area (sq ft)		41.70	
Q Total (cfs)	179.00	Flow (cfs)		179.00	
Top Width (ft)	32.67	Top Width (ft)		32.67	
Vel Total (ft/s)	4.29	Avg. Vel. (ft/s)		4.29	
Max Chl Dpth (ft)	1.58	Hydr. Depth (ft)		1.28	
Conv. Total (cfs)	1048.4	Conv. (cfs)		1048.4	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		33.06	
Min Ch EI (ft)	7113.60	Shear (lb/sq ft)		2.30	
Alpha	1.00	Stream Power (lb/ft s)		9.85	
Frctn Loss (ft)	0.95	Cum Volume (acre-ft)	0.01	5.77	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.02	5.14	0.11

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5086.25* Profile: Q100

E.G. Elev (ft)	7114.52	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.28	Wt. n-Val.		0.069	
W.S. Elev (ft)	7114.24	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)		Flow Area (sq ft)		41.83	
E.G. Slope (ft/ft)	0.028894	Area (sq ft)		41.83	
Q Total (cfs)	179.00	Flow (cfs)		179.00	
Top Width (ft)	32.70	Top Width (ft)		32.70	
Vel Total (ft/s)	4.28	Avg. Vel. (ft/s)		4.28	
Max Chl Dpth (ft)	1.59	Hydr. Depth (ft)		1.28	
Conv. Total (cfs)	1053.1	Conv. (cfs)		1053.1	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		33.09	
Min Ch EI (ft)	7112.65	Shear (lb/sq ft)		2.28	
Alpha	1.00	Stream Power (lb/ft s)		9.76	
Frctn Loss (ft)	0.95	Cum Volume (acre-ft)	0.01	5.74	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.02	5.12	0.11

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5053.50* Profile: Q100

E.G. Elev (ft)	7113.57	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.29	Wt. n-Val.		0.069	
W.S. Elev (ft)	7113.28	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)		Flow Area (sq ft)		41.72	
E.G. Slope (ft/ft)	0.029120	Area (sq ft)		41.72	
Q Total (cfs)	179.00	Flow (cfs)		179.00	
Top Width (ft)	32.67	Top Width (ft)		32.67	
Vel Total (ft/s)	4.29	Avg. Vel. (ft/s)		4.29	
Max Chl Dpth (ft)	1.58	Hydr. Depth (ft)		1.28	
Conv. Total (cfs)	1049.0	Conv. (cfs)		1049.0	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		33.06	
Min Ch El (ft)	7111.70	Shear (lb/sq ft)		2.29	
Alpha	1.00	Stream Power (lb/ft s)		9.84	
Frctn Loss (ft)	0.95	Cum Volume (acre-ft)	0.01	5.71	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.02	5.09	0.11

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5020.75* Profile: Q100

E.G. Elev (ft)	7112.62	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.28	Wt. n-Val.		0.069	
W.S. Elev (ft)	7112.34	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)		Flow Area (sq ft)		41.81	
E.G. Slope (ft/ft)	0.028926	Area (sq ft)		41.81	
Q Total (cfs)	179.00	Flow (cfs)		179.00	
Top Width (ft)	32.70	Top Width (ft)		32.70	
Vel Total (ft/s)	4.28	Avg. Vel. (ft/s)		4.28	
Max Chl Dpth (ft)	1.59	Hydr. Depth (ft)		1.28	
Conv. Total (cfs)	1052.5	Conv. (cfs)		1052.5	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		33.09	
Min Ch El (ft)	7110.75	Shear (lb/sq ft)		2.28	
Alpha	1.00	Stream Power (lb/ft s)		9.77	
Frctn Loss (ft)	0.95	Cum Volume (acre-ft)	0.01	5.68	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.02	5.07	0.11

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4988.00* Profile: Q100

E.G. Elev (ft)	7111.67	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.29	Wt. n-Val.		0.069	
W.S. Elev (ft)	7111.38	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)		Flow Area (sq ft)		41.73	
E.G. Slope (ft/ft)	0.029087	Area (sq ft)		41.73	
Q Total (cfs)	179.00	Flow (cfs)		179.00	
Top Width (ft)	32.68	Top Width (ft)		32.68	
Vel Total (ft/s)	4.29	Avg. Vel. (ft/s)		4.29	
Max Chl Dpth (ft)	1.58	Hydr. Depth (ft)		1.28	
Conv. Total (cfs)	1049.5	Conv. (cfs)		1049.5	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		33.07	
Min Ch El (ft)	7109.80	Shear (lb/sq ft)		2.29	
Alpha	1.00	Stream Power (lb/ft s)		9.83	
Frctn Loss (ft)	0.95	Cum Volume (acre-ft)	0.01	5.65	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.02	5.04	0.11

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4955.25* Profile: Q100

E.G. Elev (ft)	7110.72	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.28	Wt. n-Val.		0.069	
W.S. Elev (ft)	7110.44	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)		Flow Area (sq ft)		41.81	
E.G. Slope (ft/ft)	0.028933	Area (sq ft)		41.81	
Q Total (cfs)	179.00	Flow (cfs)		179.00	
Top Width (ft)	32.70	Top Width (ft)		32.70	
Vel Total (ft/s)	4.28	Avg. Vel. (ft/s)		4.28	
Max Chl Dpth (ft)	1.59	Hydr. Depth (ft)		1.28	
Conv. Total (cfs)	1052.3	Conv. (cfs)		1052.3	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		33.09	
Min Ch El (ft)	7108.85	Shear (lb/sq ft)		2.28	
Alpha	1.00	Stream Power (lb/ft s)		9.77	
Frctn Loss (ft)	0.94	Cum Volume (acre-ft)	0.01	5.62	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.02	5.02	0.11

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4922.50* Profile: Q100

E.G. Elev (ft)	7109.77	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.28	Wt. n-Val.		0.069	
W.S. Elev (ft)	7109.49	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)		Flow Area (sq ft)		41.96	
E.G. Slope (ft/ft)	0.028639	Area (sq ft)		41.96	
Q Total (cfs)	179.00	Flow (cfs)		179.00	
Top Width (ft)	32.73	Top Width (ft)		32.73	
Vel Total (ft/s)	4.27	Avg. Vel. (ft/s)		4.27	
Max Chl Dpth (ft)	1.59	Hydr. Depth (ft)		1.28	
Conv. Total (cfs)	1057.7	Conv. (cfs)		1057.7	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		33.12	
Min Ch El (ft)	7107.90	Shear (lb/sq ft)		2.26	
Alpha	1.00	Stream Power (lb/ft s)		9.66	
Frctn Loss (ft)	0.97	Cum Volume (acre-ft)	0.01	5.58	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.02	4.99	0.11

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4889.75* Profile: Q100

E.G. Elev (ft)	7108.81	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.30	Wt. n-Val.		0.069	
W.S. Elev (ft)	7108.51	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)		Flow Area (sq ft)		41.06	
E.G. Slope (ft/ft)	0.030486	Area (sq ft)		41.06	
Q Total (cfs)	179.00	Flow (cfs)		179.00	
Top Width (ft)	32.51	Top Width (ft)		32.51	
Vel Total (ft/s)	4.36	Avg. Vel. (ft/s)		4.36	
Max Chl Dpth (ft)	1.56	Hydr. Depth (ft)		1.26	
Conv. Total (cfs)	1025.2	Conv. (cfs)		1025.2	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		32.90	
Min Ch El (ft)	7106.95	Shear (lb/sq ft)		2.38	
Alpha	1.00	Stream Power (lb/ft s)		10.36	
Frctn Loss (ft)	0.58	Cum Volume (acre-ft)	0.01	5.55	0.05
C & E Loss (ft)	0.04	Cum SA (acres)	0.02	4.97	0.11

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4857 Profile: Q100

E.G. Elev (ft)	7108.19	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.15	Wt. n-Val.	0.000	0.069	0.000
W.S. Elev (ft)	7108.04	Reach Len. (ft)	35.20	35.00	35.00
Crit W.S. (ft)		Flow Area (sq ft)	0.00	57.41	0.00
E.G. Slope (ft/ft)	0.011459	Area (sq ft)	0.00	57.41	0.00
Q Total (cfs)	179.00	Flow (cfs)	0.00	179.00	0.00
Top Width (ft)	36.31	Top Width (ft)	0.16	36.00	0.16
Vel Total (ft/s)	3.12	Avg. Vel. (ft/s)	0.23	3.12	0.23
Max Chl Dpth (ft)	2.04	Hydr. Depth (ft)	0.02	1.59	0.02
Conv. Total (cfs)	1672.2	Conv. (cfs)	0.0	1672.2	0.0
Length Wtd. (ft)	35.00	Wetted Per. (ft)	0.16	36.49	0.16
Min Ch El (ft)	7106.00	Shear (lb/sq ft)		1.13	
Alpha	1.00	Stream Power (lb/ft s)		3.51	
Frctn Loss (ft)	0.40	Cum Volume (acre-ft)	0.01	5.52	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.02	4.94	0.11

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4822.00* Profile: Q100

E.G. Elev (ft)	7107.79	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.15	Wt. n-Val.	0.000	0.069	0.000
W.S. Elev (ft)	7107.64	Reach Len. (ft)	35.20	35.00	35.00
Crit W.S. (ft)		Flow Area (sq ft)	0.00	57.34	0.00
E.G. Slope (ft/ft)	0.011506	Area (sq ft)	0.00	57.34	0.00
Q Total (cfs)	179.00	Flow (cfs)	0.00	179.00	0.00
Top Width (ft)	36.30	Top Width (ft)	0.15	36.00	0.15
Vel Total (ft/s)	3.12	Avg. Vel. (ft/s)	0.22	3.12	0.22
Max Chl Dpth (ft)	2.04	Hydr. Depth (ft)	0.02	1.59	0.02
Conv. Total (cfs)	1668.8	Conv. (cfs)	0.0	1668.7	0.0
Length Wtd. (ft)	35.00	Wetted Per. (ft)	0.15	36.49	0.15
Min Ch El (ft)	7105.60	Shear (lb/sq ft)		1.13	
Alpha	1.00	Stream Power (lb/ft s)		3.52	
Frctn Loss (ft)	0.40	Cum Volume (acre-ft)	0.01	5.47	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.02	4.91	0.11

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4787.00* Profile: Q100

E.G. Elev (ft)	7107.39	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.15	Wt. n-Val.	0.000	0.069	0.000
W.S. Elev (ft)	7107.23	Reach Len. (ft)	35.20	35.00	35.00
Crit W.S. (ft)		Flow Area (sq ft)	0.00	57.21	0.00
E.G. Slope (ft/ft)	0.011589	Area (sq ft)	0.00	57.21	0.00
Q Total (cfs)	179.00	Flow (cfs)	0.00	179.00	0.00
Top Width (ft)	36.27	Top Width (ft)	0.13	36.00	0.13
Vel Total (ft/s)	3.13	Avg. Vel. (ft/s)	0.21	3.13	0.21
Max Chl Dpth (ft)	2.03	Hydr. Depth (ft)	0.02	1.59	0.02
Conv. Total (cfs)	1662.8	Conv. (cfs)	0.0	1662.8	0.0
Length Wtd. (ft)	35.00	Wetted Per. (ft)	0.14	36.49	0.14
Min Ch El (ft)	7105.20	Shear (lb/sq ft)		1.13	
Alpha	1.00	Stream Power (lb/ft s)		3.55	
Frctn Loss (ft)	0.41	Cum Volume (acre-ft)	0.01	5.42	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.02	4.88	0.11

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4752.00* Profile: Q100

E.G. Elev (ft)	7106.98	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.15	Wt. n-Val.	0.000	0.069	0.000
W.S. Elev (ft)	7106.82	Reach Len. (ft)	35.20	35.00	35.00
Crit W.S. (ft)		Flow Area (sq ft)	0.00	56.76	0.00
E.G. Slope (ft/ft)	0.011903	Area (sq ft)	0.00	56.76	0.00
Q Total (cfs)	179.00	Flow (cfs)	0.00	179.00	0.00
Top Width (ft)	36.17	Top Width (ft)	0.08	36.00	0.08
Vel Total (ft/s)	3.15	Avg. Vel. (ft/s)	0.15	3.15	0.15
Max Chl Dpth (ft)	2.02	Hydr. Depth (ft)	0.01	1.58	0.01
Conv. Total (cfs)	1640.7	Conv. (cfs)	0.0	1640.7	0.0
Length Wtd. (ft)	35.00	Wetted Per. (ft)	0.09	36.49	0.09
Min Ch El (ft)	7104.80	Shear (lb/sq ft)		1.16	
Alpha	1.00	Stream Power (lb/ft s)		3.64	
Frctn Loss (ft)	0.44	Cum Volume (acre-ft)	0.01	5.38	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.02	4.86	0.11

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4717.00* Profile: Q100

E.G. Elev (ft)	7106.54	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.16	Wt. n-Val.		0.069	
W.S. Elev (ft)	7106.37	Reach Len. (ft)	35.20	35.00	35.00
Crit W.S. (ft)		Flow Area (sq ft)		55.07	
E.G. Slope (ft/ft)	0.013058	Area (sq ft)		55.07	
Q Total (cfs)	179.00	Flow (cfs)		179.00	
Top Width (ft)	35.79	Top Width (ft)		35.79	
Vel Total (ft/s)	3.25	Avg. Vel. (ft/s)		3.25	
Max Chl Dpth (ft)	1.97	Hydr. Depth (ft)		1.54	
Conv. Total (cfs)	1566.4	Conv. (cfs)		1566.4	
Length Wtd. (ft)	35.00	Wetted Per. (ft)		36.28	
Min Ch El (ft)	7104.40	Shear (lb/sq ft)		1.24	
Alpha	1.00	Stream Power (lb/ft s)		4.02	
Frctn Loss (ft)	0.63	Cum Volume (acre-ft)	0.01	5.33	0.05
C & E Loss (ft)	0.01	Cum SA (acres)	0.02	4.83	0.11

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4682 Profile: Q100

E.G. Elev (ft)	7105.89	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.27	Wt. n-Val.		0.069	
W.S. Elev (ft)	7105.62	Reach Len. (ft)	28.50	28.50	28.50
Crit W.S. (ft)		Flow Area (sq ft)		42.97	
E.G. Slope (ft/ft)	0.026725	Area (sq ft)		42.97	
Q Total (cfs)	179.00	Flow (cfs)		179.00	
Top Width (ft)	32.98	Top Width (ft)		32.98	
Vel Total (ft/s)	4.17	Avg. Vel. (ft/s)		4.17	
Max Chl Dpth (ft)	1.62	Hydr. Depth (ft)		1.30	
Conv. Total (cfs)	1095.0	Conv. (cfs)		1095.0	
Length Wtd. (ft)	28.50	Wetted Per. (ft)		33.38	
Min Ch El (ft)	7104.00	Shear (lb/sq ft)		2.15	
Alpha	1.00	Stream Power (lb/ft s)		8.95	
Frctn Loss (ft)	0.67	Cum Volume (acre-ft)	0.01	5.29	0.05
C & E Loss (ft)	0.01	Cum SA (acres)	0.02	4.80	0.11

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4653.50* Profile: Q100

E.G. Elev (ft)	7105.21	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.25	Wt. n-Val.		0.069	
W.S. Elev (ft)	7104.97	Reach Len. (ft)	28.50	28.50	28.50
Crit W.S. (ft)		Flow Area (sq ft)		44.92	
E.G. Slope (ft/ft)	0.021071	Area (sq ft)		44.92	
Q Total (cfs)	179.00	Flow (cfs)		179.00	
Top Width (ft)	30.72	Top Width (ft)		30.72	
Vel Total (ft/s)	3.99	Avg. Vel. (ft/s)		3.99	
Max Chl Dpth (ft)	1.96	Hydr. Depth (ft)		1.46	
Conv. Total (cfs)	1233.1	Conv. (cfs)		1233.1	
Length Wtd. (ft)	28.50	Wetted Per. (ft)		31.20	
Min Ch El (ft)	7103.00	Shear (lb/sq ft)		1.89	
Alpha	1.00	Stream Power (lb/ft s)		7.55	
Frctn Loss (ft)	0.74	Cum Volume (acre-ft)	0.01	5.27	0.05
C & E Loss (ft)	0.01	Cum SA (acres)	0.02	4.78	0.11

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4625 Profile: Q100

E.G. Elev (ft)	7104.46	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.38	Wt. n-Val.	0.050	0.069	0.050
W.S. Elev (ft)	7104.09	Reach Len. (ft)	24.67	25.00	24.33
Crit W.S. (ft)		Flow Area (sq ft)	0.01	38.21	0.01
E.G. Slope (ft/ft)	0.032029	Area (sq ft)	0.01	38.21	0.01
Q Total (cfs)	188.00	Flow (cfs)	0.01	187.98	0.01
Top Width (ft)	26.67	Top Width (ft)	0.34	26.00	0.34
Vel Total (ft/s)	4.92	Avg. Vel. (ft/s)	0.63	4.92	0.63
Max Chl Dpth (ft)	2.08	Hydr. Depth (ft)	0.04	1.47	0.04
Conv. Total (cfs)	1050.5	Conv. (cfs)	0.1	1050.4	0.1
Length Wtd. (ft)	25.00	Wetted Per. (ft)	0.35	26.49	0.35
Min Ch El (ft)	7102.00	Shear (lb/sq ft)	0.08	2.88	0.08
Alpha	1.00	Stream Power (lb/ft s)	0.05	14.19	0.05
Frctn Loss (ft)	0.80	Cum Volume (acre-ft)	0.01	5.24	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.02	4.76	0.11

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4600.00* Profile: Q100

E.G. Elev (ft)	7103.66	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.37	Wt. n-Val.	0.050	0.069	0.050
W.S. Elev (ft)	7103.29	Reach Len. (ft)	24.67	25.00	24.33
Crit W.S. (ft)		Flow Area (sq ft)	0.02	38.35	0.02
E.G. Slope (ft/ft)	0.031641	Area (sq ft)	0.02	38.35	0.02
Q Total (cfs)	188.00	Flow (cfs)	0.01	187.98	0.01
Top Width (ft)	26.73	Top Width (ft)	0.37	26.00	0.36
Vel Total (ft/s)	4.90	Avg. Vel. (ft/s)	0.66	4.90	0.66
Max Chl Dpth (ft)	2.09	Hydr. Depth (ft)	0.05	1.47	0.05
Conv. Total (cfs)	1056.9	Conv. (cfs)	0.1	1056.8	0.1
Length Wtd. (ft)	25.00	Wetted Per. (ft)	0.38	26.49	0.37
Min Ch El (ft)	7101.20	Shear (lb/sq ft)	0.09	2.86	0.09
Alpha	1.00	Stream Power (lb/ft s)	0.06	14.02	0.06
Frctn Loss (ft)	0.81	Cum Volume (acre-ft)	0.01	5.22	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.02	4.74	0.11

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4575.00* Profile: Q100

E.G. Elev (ft)	7102.85	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.38	Wt. n-Val.	0.050	0.069	0.050
W.S. Elev (ft)	7102.47	Reach Len. (ft)	24.67	25.00	24.33
Crit W.S. (ft)		Flow Area (sq ft)	0.01	37.85	0.01
E.G. Slope (ft/ft)	0.033045	Area (sq ft)	0.01	37.85	0.01
Q Total (cfs)	188.00	Flow (cfs)	0.01	187.99	0.01
Top Width (ft)	26.58	Top Width (ft)	0.29	26.00	0.29
Vel Total (ft/s)	4.96	Avg. Vel. (ft/s)	0.57	4.97	0.57
Max Chl Dpth (ft)	2.07	Hydr. Depth (ft)	0.04	1.46	0.04
Conv. Total (cfs)	1034.2	Conv. (cfs)	0.0	1034.1	0.0
Length Wtd. (ft)	25.00	Wetted Per. (ft)	0.30	26.49	0.30
Min Ch El (ft)	7100.40	Shear (lb/sq ft)	0.07	2.95	0.07
Alpha	1.00	Stream Power (lb/ft s)	0.04	14.64	0.04
Frctn Loss (ft)	0.73	Cum Volume (acre-ft)	0.01	5.19	0.05
C & E Loss (ft)	0.02	Cum SA (acres)	0.02	4.73	0.11

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4550 Profile: Q100

E.G. Elev (ft)	7102.11	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.33	Wt. n-Val.	0.050	0.069	0.050
W.S. Elev (ft)	7101.79	Reach Len. (ft)	33.50	25.00	18.00
Crit W.S. (ft)		Flow Area (sq ft)	0.07	40.80	0.07
E.G. Slope (ft/ft)	0.025708	Area (sq ft)	0.07	40.80	0.07
Q Total (cfs)	188.00	Flow (cfs)	0.07	187.87	0.07
Top Width (ft)	27.53	Top Width (ft)	0.76	26.00	0.77
Vel Total (ft/s)	4.59	Avg. Vel. (ft/s)	0.95	4.60	0.96
Max Chl Dpth (ft)	2.18	Hydr. Depth (ft)	0.09	1.57	0.09
Conv. Total (cfs)	1172.5	Conv. (cfs)	0.4	1171.7	0.4
Length Wtd. (ft)	25.00	Wetted Per. (ft)	0.79	26.49	0.79
Min Ch El (ft)	7099.60	Shear (lb/sq ft)	0.14	2.47	0.14
Alpha	1.00	Stream Power (lb/ft s)	0.14	11.38	0.14
Frctn Loss (ft)	0.58	Cum Volume (acre-ft)	0.01	5.17	0.05
C & E Loss (ft)	0.01	Cum SA (acres)	0.02	4.71	0.11

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4525.00* Profile: Q100

E.G. Elev (ft)	7101.53	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.29	Wt. n-Val.	0.050	0.069	0.050
W.S. Elev (ft)	7101.24	Reach Len. (ft)	33.50	25.00	18.00
Crit W.S. (ft)		Flow Area (sq ft)	0.17	43.40	0.17
E.G. Slope (ft/ft)	0.020864	Area (sq ft)	0.17	43.40	0.17
Q Total (cfs)	188.00	Flow (cfs)	0.19	187.62	0.19
Top Width (ft)	28.35	Top Width (ft)	1.18	26.00	1.18
Vel Total (ft/s)	4.30	Avg. Vel. (ft/s)	1.15	4.32	1.15
Max Chl Dpth (ft)	2.28	Hydr. Depth (ft)	0.14	1.67	0.14
Conv. Total (cfs)	1301.5	Conv. (cfs)	1.3	1298.9	1.3
Length Wtd. (ft)	25.01	Wetted Per. (ft)	1.21	26.49	1.21
Min Ch El (ft)	7098.95	Shear (lb/sq ft)	0.18	2.13	0.18
Alpha	1.01	Stream Power (lb/ft s)	0.21	9.22	0.21
Frctn Loss (ft)	0.36	Cum Volume (acre-ft)	0.01	5.15	0.05
C & E Loss (ft)	0.03	Cum SA (acres)	0.02	4.70	0.11

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4500 Profile: Q100

E.G. Elev (ft)	7101.13	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.19	Wt. n-Val.	0.050	0.069	0.050
W.S. Elev (ft)	7100.94	Reach Len. (ft)	28.00	28.00	28.00
Crit W.S. (ft)		Flow Area (sq ft)	0.85	52.66	0.84
E.G. Slope (ft/ft)	0.010722	Area (sq ft)	0.85	52.66	0.84
Q Total (cfs)	188.00	Flow (cfs)	1.20	185.61	1.19
Top Width (ft)	31.27	Top Width (ft)	2.64	26.00	2.63
Vel Total (ft/s)	3.46	Avg. Vel. (ft/s)	1.41	3.53	1.41
Max Chl Dpth (ft)	2.64	Hydr. Depth (ft)	0.32	2.03	0.32
Conv. Total (cfs)	1815.6	Conv. (cfs)	11.5	1792.6	11.5
Length Wtd. (ft)	28.00	Wetted Per. (ft)	2.72	26.49	2.71
Min Ch El (ft)	7098.30	Shear (lb/sq ft)	0.21	1.33	0.21
Alpha	1.03	Stream Power (lb/ft s)	0.29	4.69	0.29
Frctn Loss (ft)	0.30	Cum Volume (acre-ft)	0.01	5.12	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.02	4.68	0.11

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4472.00* Profile: Q100

E.G. Elev (ft)	7100.83	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.19	Wt. n-Val.	0.050	0.069	0.050
W.S. Elev (ft)	7100.64	Reach Len. (ft)	28.00	28.00	28.00
Crit W.S. (ft)		Flow Area (sq ft)	0.85	52.66	0.84
E.G. Slope (ft/ft)	0.010721	Area (sq ft)	0.85	52.66	0.84
Q Total (cfs)	188.00	Flow (cfs)	1.20	185.61	1.19
Top Width (ft)	31.27	Top Width (ft)	2.64	26.00	2.63
Vel Total (ft/s)	3.46	Avg. Vel. (ft/s)	1.41	3.53	1.41
Max Chl Dpth (ft)	2.64	Hydr. Depth (ft)	0.32	2.03	0.32
Conv. Total (cfs)	1815.6	Conv. (cfs)	11.5	1792.6	11.5
Length Wtd. (ft)	28.00	Wetted Per. (ft)	2.72	26.49	2.71
Min Ch El (ft)	7098.00	Shear (lb/sq ft)	0.21	1.33	0.21
Alpha	1.03	Stream Power (lb/ft s)	0.29	4.69	0.29
Frctn Loss (ft)	0.30	Cum Volume (acre-ft)	0.00	5.09	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.02	4.67	0.11

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4444.00* Profile: Q100

E.G. Elev (ft)	7100.53	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.19	Wt. n-Val.	0.050	0.069	0.050
W.S. Elev (ft)	7100.34	Reach Len. (ft)	28.00	28.00	28.00
Crit W.S. (ft)		Flow Area (sq ft)	0.85	52.62	0.84
E.G. Slope (ft/ft)	0.010747	Area (sq ft)	0.85	52.62	0.84
Q Total (cfs)	188.00	Flow (cfs)	1.20	185.61	1.19
Top Width (ft)	31.29	Top Width (ft)	2.65	26.00	2.64
Vel Total (ft/s)	3.46	Avg. Vel. (ft/s)	1.41	3.53	1.41
Max Chl Dpth (ft)	2.64	Hydr. Depth (ft)	0.32	2.02	0.32
Conv. Total (cfs)	1813.5	Conv. (cfs)	11.5	1790.4	11.5
Length Wtd. (ft)	28.00	Wetted Per. (ft)	2.73	26.49	2.71
Min Ch El (ft)	7097.70	Shear (lb/sq ft)	0.21	1.33	0.21
Alpha	1.03	Stream Power (lb/ft s)	0.29	4.70	0.29
Frctn Loss (ft)	0.30	Cum Volume (acre-ft)	0.00	5.05	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.02	4.65	0.11

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4416.00* Profile: Q100

E.G. Elev (ft)	7100.23	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.19	Wt. n-Val.	0.050	0.069	0.050
W.S. Elev (ft)	7100.04	Reach Len. (ft)	28.00	28.00	28.00
Crit W.S. (ft)		Flow Area (sq ft)	0.85	52.59	0.84
E.G. Slope (ft/ft)	0.010765	Area (sq ft)	0.85	52.59	0.84
Q Total (cfs)	188.00	Flow (cfs)	1.19	185.62	1.19
Top Width (ft)	31.29	Top Width (ft)	2.65	26.00	2.64
Vel Total (ft/s)	3.46	Avg. Vel. (ft/s)	1.41	3.53	1.41
Max Chl Dpth (ft)	2.64	Hydr. Depth (ft)	0.32	2.02	0.32
Conv. Total (cfs)	1812.0	Conv. (cfs)	11.5	1789.0	11.5
Length Wtd. (ft)	28.00	Wetted Per. (ft)	2.72	26.49	2.72
Min Ch El (ft)	7097.40	Shear (lb/sq ft)	0.21	1.33	0.21
Alpha	1.03	Stream Power (lb/ft s)	0.29	4.71	0.29
Frctn Loss (ft)	0.30	Cum Volume (acre-ft)	0.00	5.02	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.01	4.63	0.10

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4388.00* Profile: Q100

E.G. Elev (ft)	7099.93	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.19	Wt. n-Val.	0.050	0.069	0.050
W.S. Elev (ft)	7099.74	Reach Len. (ft)	28.00	28.00	28.00
Crit W.S. (ft)		Flow Area (sq ft)	0.84	52.53	0.84
E.G. Slope (ft/ft)	0.010810	Area (sq ft)	0.84	52.53	0.84
Q Total (cfs)	188.00	Flow (cfs)	1.19	185.63	1.18
Top Width (ft)	31.28	Top Width (ft)	2.64	26.00	2.64
Vel Total (ft/s)	3.47	Avg. Vel. (ft/s)	1.41	3.53	1.41
Max Chl Dpth (ft)	2.64	Hydr. Depth (ft)	0.32	2.02	0.32
Conv. Total (cfs)	1808.2	Conv. (cfs)	11.4	1785.4	11.4
Length Wtd. (ft)	28.00	Wetted Per. (ft)	2.72	26.49	2.71
Min Ch El (ft)	7097.10	Shear (lb/sq ft)	0.21	1.34	0.21
Alpha	1.03	Stream Power (lb/ft s)	0.29	4.73	0.29
Frctn Loss (ft)	0.30	Cum Volume (acre-ft)	0.00	4.98	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.01	4.62	0.10

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4360.00* Profile: Q100

E.G. Elev (ft)	7099.63	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.19	Wt. n-Val.	0.050	0.069	0.050
W.S. Elev (ft)	7099.43	Reach Len. (ft)	28.00	28.00	28.00
Crit W.S. (ft)		Flow Area (sq ft)	0.83	52.43	0.83
E.G. Slope (ft/ft)	0.010883	Area (sq ft)	0.83	52.43	0.83
Q Total (cfs)	188.00	Flow (cfs)	1.17	185.66	1.17
Top Width (ft)	31.25	Top Width (ft)	2.63	26.00	2.63
Vel Total (ft/s)	3.48	Avg. Vel. (ft/s)	1.41	3.54	1.41
Max Chl Dpth (ft)	2.63	Hydr. Depth (ft)	0.32	2.02	0.32
Conv. Total (cfs)	1802.1	Conv. (cfs)	11.2	1779.6	11.2
Length Wtd. (ft)	28.00	Wetted Per. (ft)	2.70	26.49	2.70
Min Ch El (ft)	7096.80	Shear (lb/sq ft)	0.21	1.34	0.21
Alpha	1.03	Stream Power (lb/ft s)	0.29	4.76	0.29
Frctn Loss (ft)	0.31	Cum Volume (acre-ft)	0.00	4.95	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.01	4.60	0.10

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4332.00* Profile: Q100

E.G. Elev (ft)	7099.32	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.20	Wt. n-Val.	0.050	0.069	0.050
W.S. Elev (ft)	7099.12	Reach Len. (ft)	28.00	28.00	28.00
Crit W.S. (ft)		Flow Area (sq ft)	0.81	52.14	0.81
E.G. Slope (ft/ft)	0.011084	Area (sq ft)	0.81	52.14	0.81
Q Total (cfs)	188.00	Flow (cfs)	1.14	185.73	1.13
Top Width (ft)	31.17	Top Width (ft)	2.59	25.99	2.59
Vel Total (ft/s)	3.50	Avg. Vel. (ft/s)	1.41	3.56	1.41
Max Chl Dpth (ft)	2.62	Hydr. Depth (ft)	0.31	2.01	0.31
Conv. Total (cfs)	1785.7	Conv. (cfs)	10.8	1764.1	10.8
Length Wtd. (ft)	28.00	Wetted Per. (ft)	2.67	26.48	2.66
Min Ch El (ft)	7096.50	Shear (lb/sq ft)	0.21	1.36	0.21
Alpha	1.03	Stream Power (lb/ft s)	0.29	4.85	0.29
Frctn Loss (ft)	0.32	Cum Volume (acre-ft)	0.00	4.92	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.01	4.58	0.10

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4304.00* Profile: Q100

E.G. Elev (ft)	7099.00	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.20	Wt. n-Val.	0.050	0.069	0.050
W.S. Elev (ft)	7098.80	Reach Len. (ft)	28.00	28.00	28.00
Crit W.S. (ft)		Flow Area (sq ft)	0.75	51.62	0.75
E.G. Slope (ft/ft)	0.011493	Area (sq ft)	0.75	51.62	0.75
Q Total (cfs)	188.00	Flow (cfs)	1.06	185.89	1.06
Top Width (ft)	31.02	Top Width (ft)	2.51	26.00	2.51
Vel Total (ft/s)	3.54	Avg. Vel. (ft/s)	1.40	3.60	1.40
Max Chl Dpth (ft)	2.60	Hydr. Depth (ft)	0.30	1.99	0.30
Conv. Total (cfs)	1753.6	Conv. (cfs)	9.9	1733.9	9.9
Length Wtd. (ft)	28.00	Wetted Per. (ft)	2.58	26.49	2.58
Min Ch El (ft)	7096.20	Shear (lb/sq ft)	0.21	1.40	0.21
Alpha	1.03	Stream Power (lb/ft s)	0.29	5.03	0.29
Frctn Loss (ft)	0.41	Cum Volume (acre-ft)	0.00	4.88	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.01	4.57	0.10

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4276 Profile: Q100

E.G. Elev (ft)	7098.59	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.24	Wt. n-Val.	0.050	0.078	0.050
W.S. Elev (ft)	7098.35	Reach Len. (ft)	25.00	25.20	25.00
Crit W.S. (ft)		Flow Area (sq ft)	0.43	47.73	0.43
E.G. Slope (ft/ft)	0.019235	Area (sq ft)	0.43	47.73	0.43
Q Total (cfs)	188.00	Flow (cfs)	0.64	186.72	0.64
Top Width (ft)	29.78	Top Width (ft)	1.89	26.00	1.89
Vel Total (ft/s)	3.87	Avg. Vel. (ft/s)	1.50	3.91	1.50
Max Chl Dpth (ft)	2.45	Hydr. Depth (ft)	0.23	1.84	0.23
Conv. Total (cfs)	1355.5	Conv. (cfs)	4.6	1346.3	4.6
Length Wtd. (ft)	25.20	Wetted Per. (ft)	1.94	26.49	1.94
Min Ch El (ft)	7095.90	Shear (lb/sq ft)	0.26	2.16	0.26
Alpha	1.02	Stream Power (lb/ft s)	0.40	8.46	0.40
Frctn Loss (ft)	0.48	Cum Volume (acre-ft)	0.00	4.85	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.01	4.55	0.10

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4250.80* Profile: Q100

E.G. Elev (ft)	7098.10	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.22	Wt. n-Val.	0.050	0.078	0.050
W.S. Elev (ft)	7097.88	Reach Len. (ft)	25.00	25.20	25.00
Crit W.S. (ft)		Flow Area (sq ft)	0.24	49.61	0.24
E.G. Slope (ft/ft)	0.018769	Area (sq ft)	0.24	49.61	0.24
Q Total (cfs)	188.00	Flow (cfs)	0.30	187.40	0.30
Top Width (ft)	30.84	Top Width (ft)	1.42	28.00	1.42
Vel Total (ft/s)	3.75	Avg. Vel. (ft/s)	1.23	3.78	1.23
Max Chl Dpth (ft)	2.34	Hydr. Depth (ft)	0.17	1.77	0.17
Conv. Total (cfs)	1372.3	Conv. (cfs)	2.2	1367.9	2.2
Length Wtd. (ft)	25.20	Wetted Per. (ft)	1.46	28.49	1.46
Min Ch El (ft)	7095.54	Shear (lb/sq ft)	0.20	2.04	0.20
Alpha	1.01	Stream Power (lb/ft s)	0.24	7.71	0.24
Frctn Loss (ft)	0.47	Cum Volume (acre-ft)	0.00	4.82	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.01	4.54	0.10

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4225.60* Profile: Q100

E.G. Elev (ft)	7097.63	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.21	Wt. n-Val.	0.050	0.078	0.050
W.S. Elev (ft)	7097.43	Reach Len. (ft)	25.00	25.20	25.00
Crit W.S. (ft)		Flow Area (sq ft)	0.12	51.35	0.12
E.G. Slope (ft/ft)	0.018384	Area (sq ft)	0.12	51.35	0.12
Q Total (cfs)	188.00	Flow (cfs)	0.12	187.76	0.12
Top Width (ft)	31.99	Top Width (ft)	1.00	30.00	1.00
Vel Total (ft/s)	3.64	Avg. Vel. (ft/s)	0.97	3.66	0.97
Max Chl Dpth (ft)	2.25	Hydr. Depth (ft)	0.12	1.71	0.12
Conv. Total (cfs)	1386.6	Conv. (cfs)	0.9	1384.8	0.9
Length Wtd. (ft)	25.20	Wetted Per. (ft)	1.03	30.49	1.03
Min Ch El (ft)	7095.18	Shear (lb/sq ft)	0.14	1.93	0.14
Alpha	1.01	Stream Power (lb/ft s)	0.13	7.07	0.13
Frctn Loss (ft)	0.46	Cum Volume (acre-ft)	0.00	4.79	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	4.52	0.10

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4200.40* Profile: Q100

E.G. Elev (ft)	7097.17	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.20	Wt. n-Val.	0.050	0.078	0.050
W.S. Elev (ft)	7096.98	Reach Len. (ft)	25.00	25.20	25.00
Crit W.S. (ft)		Flow Area (sq ft)	0.05	53.03	0.05
E.G. Slope (ft/ft)	0.018008	Area (sq ft)	0.05	53.03	0.05
Q Total (cfs)	188.00	Flow (cfs)	0.04	187.93	0.04
Top Width (ft)	33.25	Top Width (ft)	0.62	32.00	0.62
Vel Total (ft/s)	3.54	Avg. Vel. (ft/s)	0.72	3.54	0.72
Max Chl Dpth (ft)	2.16	Hydr. Depth (ft)	0.08	1.66	0.08
Conv. Total (cfs)	1401.0	Conv. (cfs)	0.3	1400.4	0.3
Length Wtd. (ft)	25.20	Wetted Per. (ft)	0.64	32.49	0.64
Min Ch El (ft)	7094.82	Shear (lb/sq ft)	0.09	1.83	0.09
Alpha	1.00	Stream Power (lb/ft s)	0.06	6.50	0.06
Frctn Loss (ft)	0.45	Cum Volume (acre-ft)	0.00	4.76	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	4.50	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4175.20* Profile: Q100

E.G. Elev (ft)	7096.71	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.19	Wt. n-Val.	0.050	0.078	0.050
W.S. Elev (ft)	7096.53	Reach Len. (ft)	25.00	25.20	25.00
Crit W.S. (ft)		Flow Area (sq ft)	0.01	54.29	0.01
E.G. Slope (ft/ft)	0.018045	Area (sq ft)	0.01	54.29	0.01
Q Total (cfs)	188.00	Flow (cfs)	0.00	187.99	0.00
Top Width (ft)	34.52	Top Width (ft)	0.26	34.00	0.26
Vel Total (ft/s)	3.46	Avg. Vel. (ft/s)	0.41	3.46	0.41
Max Chl Dpth (ft)	2.07	Hydr. Depth (ft)	0.03	1.60	0.03
Conv. Total (cfs)	1399.5	Conv. (cfs)	0.0	1399.5	0.0
Length Wtd. (ft)	25.20	Wetted Per. (ft)	0.27	34.49	0.27
Min Ch El (ft)	7094.46	Shear (lb/sq ft)	0.04	1.77	0.04
Alpha	1.00	Stream Power (lb/ft s)	0.01	6.14	0.01
Frctn Loss (ft)	0.77	Cum Volume (acre-ft)	0.00	4.73	0.05
C & E Loss (ft)	0.02	Cum SA (acres)	0.00	4.48	0.09

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4150 Profile: Q100

E.G. Elev (ft)	7095.93	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.42	Wt. n-Val.		0.078	
W.S. Elev (ft)	7095.51	Reach Len. (ft)	13.33	13.33	11.17
Crit W.S. (ft)		Flow Area (sq ft)		36.26	
E.G. Slope (ft/ft)	0.061783	Area (sq ft)		36.26	
Q Total (cfs)	188.00	Flow (cfs)		188.00	
Top Width (ft)	31.31	Top Width (ft)		31.31	
Vel Total (ft/s)	5.18	Avg. Vel. (ft/s)		5.18	
Max Chl Dpth (ft)	1.41	Hydr. Depth (ft)		1.16	
Conv. Total (cfs)	756.3	Conv. (cfs)		756.3	
Length Wtd. (ft)	13.33	Wetted Per. (ft)		31.66	
Min Ch El (ft)	7094.10	Shear (lb/sq ft)		4.42	
Alpha	1.00	Stream Power (lb/ft s)		22.91	
Frctn Loss (ft)	0.82	Cum Volume (acre-ft)	0.00	4.71	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	4.46	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4136.67* Profile: Q100

E.G. Elev (ft)	7095.11	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.41	Wt. n-Val.		0.078	
W.S. Elev (ft)	7094.70	Reach Len. (ft)	13.33	13.33	11.17
Crit W.S. (ft)		Flow Area (sq ft)		36.62	
E.G. Slope (ft/ft)	0.061836	Area (sq ft)		36.62	
Q Total (cfs)	188.00	Flow (cfs)		188.00	
Top Width (ft)	32.14	Top Width (ft)		32.14	
Vel Total (ft/s)	5.13	Avg. Vel. (ft/s)		5.13	
Max Chl Dpth (ft)	1.40	Hydr. Depth (ft)		1.14	
Conv. Total (cfs)	756.0	Conv. (cfs)		756.0	
Length Wtd. (ft)	13.33	Wetted Per. (ft)		32.46	
Min Ch El (ft)	7093.30	Shear (lb/sq ft)		4.35	
Alpha	1.00	Stream Power (lb/ft s)		22.36	
Frctn Loss (ft)	0.82	Cum Volume (acre-ft)	0.00	4.70	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	4.45	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4123.33* Profile: Q100

E.G. Elev (ft)	7094.28	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.40	Wt. n-Val.		0.078	
W.S. Elev (ft)	7093.88	Reach Len. (ft)	13.33	13.33	11.17
Crit W.S. (ft)		Flow Area (sq ft)		37.13	
E.G. Slope (ft/ft)	0.061217	Area (sq ft)		37.13	
Q Total (cfs)	188.00	Flow (cfs)		188.00	
Top Width (ft)	33.06	Top Width (ft)		33.06	
Vel Total (ft/s)	5.06	Avg. Vel. (ft/s)		5.06	
Max Chl Dpth (ft)	1.38	Hydr. Depth (ft)		1.12	
Conv. Total (cfs)	759.8	Conv. (cfs)		759.8	
Length Wtd. (ft)	13.33	Wetted Per. (ft)		33.36	
Min Ch El (ft)	7092.50	Shear (lb/sq ft)		4.25	
Alpha	1.00	Stream Power (lb/ft s)		21.54	
Frctn Loss (ft)	0.83	Cum Volume (acre-ft)	0.00	4.69	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	4.44	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4110.00* Profile: Q100

E.G. Elev (ft)	7093.45	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.40	Wt. n-Val.		0.078	
W.S. Elev (ft)	7093.05	Reach Len. (ft)	13.33	13.33	11.17
Crit W.S. (ft)		Flow Area (sq ft)		37.05	
E.G. Slope (ft/ft)	0.063411	Area (sq ft)		37.05	
Q Total (cfs)	188.00	Flow (cfs)		188.00	
Top Width (ft)	33.78	Top Width (ft)		33.78	
Vel Total (ft/s)	5.07	Avg. Vel. (ft/s)		5.07	
Max Chl Dpth (ft)	1.35	Hydr. Depth (ft)		1.10	
Conv. Total (cfs)	746.6	Conv. (cfs)		746.6	
Length Wtd. (ft)	13.33	Wetted Per. (ft)		34.07	
Min Ch El (ft)	7091.70	Shear (lb/sq ft)		4.31	
Alpha	1.00	Stream Power (lb/ft s)		21.85	
Frctn Loss (ft)	0.80	Cum Volume (acre-ft)	0.00	4.67	0.05
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	4.43	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4096.67* Profile: Q100

E.G. Elev (ft)	7092.64	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.37	Wt. n-Val.		0.078	
W.S. Elev (ft)	7092.27	Reach Len. (ft)	13.33	13.33	11.17
Crit W.S. (ft)		Flow Area (sq ft)		38.71	
E.G. Slope (ft/ft)	0.057228	Area (sq ft)		38.71	
Q Total (cfs)	188.00	Flow (cfs)		188.00	
Top Width (ft)	34.91	Top Width (ft)		34.91	
Vel Total (ft/s)	4.86	Avg. Vel. (ft/s)		4.86	
Max Chl Dpth (ft)	1.37	Hydr. Depth (ft)		1.11	
Conv. Total (cfs)	785.9	Conv. (cfs)		785.9	
Length Wtd. (ft)	13.33	Wetted Per. (ft)		35.20	
Min Ch El (ft)	7090.90	Shear (lb/sq ft)		3.93	
Alpha	1.00	Stream Power (lb/ft s)		19.08	
Frctn Loss (ft)	0.84	Cum Volume (acre-ft)	0.00	4.66	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	4.42	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4083.33* Profile: Q100

E.G. Elev (ft)	7091.79	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.41	Wt. n-Val.		0.078	
W.S. Elev (ft)	7091.38	Reach Len. (ft)	13.33	13.33	11.17
Crit W.S. (ft)	7091.29	Flow Area (sq ft)		36.50	
E.G. Slope (ft/ft)	0.070273	Area (sq ft)		36.50	
Q Total (cfs)	188.00	Flow (cfs)		188.00	
Top Width (ft)	35.18	Top Width (ft)		35.18	
Vel Total (ft/s)	5.15	Avg. Vel. (ft/s)		5.15	
Max Chl Dpth (ft)	1.28	Hydr. Depth (ft)		1.04	
Conv. Total (cfs)	709.2	Conv. (cfs)		709.2	
Length Wtd. (ft)	13.33	Wetted Per. (ft)		35.44	
Min Ch El (ft)	7090.10	Shear (lb/sq ft)		4.52	
Alpha	1.00	Stream Power (lb/ft s)		23.27	
Frctn Loss (ft)	0.74	Cum Volume (acre-ft)	0.00	4.65	0.05
C & E Loss (ft)	0.03	Cum SA (acres)	0.00	4.41	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4070 Profile: Q100

E.G. Elev (ft)	7091.02	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.30	Wt. n-Val.		0.078	
W.S. Elev (ft)	7090.72	Reach Len. (ft)	10.21	14.59	21.79
Crit W.S. (ft)		Flow Area (sq ft)		42.89	
E.G. Slope (ft/ft)	0.044509	Area (sq ft)		42.89	
Q Total (cfs)	188.00	Flow (cfs)		188.00	
Top Width (ft)	37.36	Top Width (ft)		37.36	
Vel Total (ft/s)	4.38	Avg. Vel. (ft/s)		4.38	
Max Chl Dpth (ft)	1.42	Hydr. Depth (ft)		1.15	
Conv. Total (cfs)	891.1	Conv. (cfs)		891.1	
Length Wtd. (ft)	14.59	Wetted Per. (ft)		37.65	
Min Ch El (ft)	7089.30	Shear (lb/sq ft)		3.17	
Alpha	1.00	Stream Power (lb/ft s)		13.87	
Frctn Loss (ft)	0.63	Cum Volume (acre-ft)	0.00	4.64	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	4.40	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4055.40* Profile: Q100

E.G. Elev (ft)	7090.38	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.34	Wt. n-Val.		0.069	
W.S. Elev (ft)	7090.04	Reach Len. (ft)	10.21	14.59	21.79
Crit W.S. (ft)		Flow Area (sq ft)		40.19	
E.G. Slope (ft/ft)	0.042521	Area (sq ft)		40.19	
Q Total (cfs)	188.00	Flow (cfs)		188.00	
Top Width (ft)	36.94	Top Width (ft)		36.94	
Vel Total (ft/s)	4.68	Avg. Vel. (ft/s)		4.68	
Max Chl Dpth (ft)	1.42	Hydr. Depth (ft)		1.09	
Conv. Total (cfs)	911.7	Conv. (cfs)		911.7	
Length Wtd. (ft)	14.59	Wetted Per. (ft)		37.17	
Min Ch El (ft)	7088.62	Shear (lb/sq ft)		2.87	
Alpha	1.00	Stream Power (lb/ft s)		13.43	
Frctn Loss (ft)	0.65	Cum Volume (acre-ft)	0.00	4.62	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	4.39	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4040.80* Profile: Q100

E.G. Elev (ft)	7089.73	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.36	Wt. n-Val.		0.069	
W.S. Elev (ft)	7089.37	Reach Len. (ft)	10.21	14.59	21.79
Crit W.S. (ft)		Flow Area (sq ft)		38.87	
E.G. Slope (ft/ft)	0.046842	Area (sq ft)		38.87	
Q Total (cfs)	188.00	Flow (cfs)		188.00	
Top Width (ft)	36.56	Top Width (ft)		36.56	
Vel Total (ft/s)	4.84	Avg. Vel. (ft/s)		4.84	
Max Chl Dpth (ft)	1.43	Hydr. Depth (ft)		1.06	
Conv. Total (cfs)	868.6	Conv. (cfs)		868.6	
Length Wtd. (ft)	14.59	Wetted Per. (ft)		36.77	
Min Ch El (ft)	7087.94	Shear (lb/sq ft)		3.09	
Alpha	1.00	Stream Power (lb/ft s)		14.95	
Frctn Loss (ft)	0.66	Cum Volume (acre-ft)	0.00	4.61	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	4.38	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4026.20* Profile: Q100

E.G. Elev (ft)	7089.07	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.35	Wt. n-Val.		0.069	
W.S. Elev (ft)	7088.72	Reach Len. (ft)	10.21	14.59	21.79
Crit W.S. (ft)	7088.54	Flow Area (sq ft)		39.60	
E.G. Slope (ft/ft)	0.043153	Area (sq ft)		39.60	
Q Total (cfs)	188.00	Flow (cfs)		188.00	
Top Width (ft)	35.97	Top Width (ft)		35.97	
Vel Total (ft/s)	4.75	Avg. Vel. (ft/s)		4.75	
Max Chl Dpth (ft)	1.46	Hydr. Depth (ft)		1.10	
Conv. Total (cfs)	905.0	Conv. (cfs)		905.0	
Length Wtd. (ft)	14.59	Wetted Per. (ft)		36.22	
Min Ch El (ft)	7087.26	Shear (lb/sq ft)		2.95	
Alpha	1.00	Stream Power (lb/ft s)		13.98	
Frctn Loss (ft)	0.72	Cum Volume (acre-ft)	0.00	4.60	0.05
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	4.36	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4011.60* Profile: Q100

E.G. Elev (ft)	7088.35	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.43	Wt. n-Val.		0.069	
W.S. Elev (ft)	7087.92	Reach Len. (ft)	10.21	14.59	21.79
Crit W.S. (ft)	7087.84	Flow Area (sq ft)		35.82	
E.G. Slope (ft/ft)	0.056423	Area (sq ft)		35.82	
Q Total (cfs)	188.00	Flow (cfs)		188.00	
Top Width (ft)	34.18	Top Width (ft)		34.18	
Vel Total (ft/s)	5.25	Avg. Vel. (ft/s)		5.25	
Max Chl Dpth (ft)	1.34	Hydr. Depth (ft)		1.05	
Conv. Total (cfs)	791.5	Conv. (cfs)		791.5	
Length Wtd. (ft)	14.59	Wetted Per. (ft)		34.46	
Min Ch El (ft)	7086.58	Shear (lb/sq ft)		3.66	
Alpha	1.00	Stream Power (lb/ft s)		19.22	
Frctn Loss (ft)	0.44	Cum Volume (acre-ft)	0.00	4.59	0.05
C & E Loss (ft)	0.06	Cum SA (acres)	0.00	4.35	0.09

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3997 Profile: Q100

E.G. Elev (ft)	7087.84	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.21	Wt. n-Val.		0.069	
W.S. Elev (ft)	7087.62	Reach Len. (ft)	20.81	19.49	18.35
Crit W.S. (ft)		Flow Area (sq ft)		50.57	
E.G. Slope (ft/ft)	0.018870	Area (sq ft)		50.57	
Q Total (cfs)	188.00	Flow (cfs)		188.00	
Top Width (ft)	35.39	Top Width (ft)		35.39	
Vel Total (ft/s)	3.72	Avg. Vel. (ft/s)		3.72	
Max Chl Dpth (ft)	1.72	Hydr. Depth (ft)		1.43	
Conv. Total (cfs)	1368.6	Conv. (cfs)		1368.6	
Length Wtd. (ft)	19.49	Wetted Per. (ft)		35.90	
Min Ch El (ft)	7085.90	Shear (lb/sq ft)		1.66	
Alpha	1.00	Stream Power (lb/ft s)		6.17	
Frctn Loss (ft)	0.37	Cum Volume (acre-ft)	0.00	4.57	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	4.34	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3977.50* Profile: Q100

E.G. Elev (ft)	7087.47	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.22	Wt. n-Val.		0.069	
W.S. Elev (ft)	7087.25	Reach Len. (ft)	20.81	19.49	18.35
Crit W.S. (ft)		Flow Area (sq ft)		50.31	
E.G. Slope (ft/ft)	0.019112	Area (sq ft)		50.31	
Q Total (cfs)	188.00	Flow (cfs)		188.00	
Top Width (ft)	35.29	Top Width (ft)		35.29	
Vel Total (ft/s)	3.74	Avg. Vel. (ft/s)		3.74	
Max Chl Dpth (ft)	1.73	Hydr. Depth (ft)		1.43	
Conv. Total (cfs)	1359.9	Conv. (cfs)		1359.9	
Length Wtd. (ft)	19.49	Wetted Per. (ft)		35.78	
Min Ch El (ft)	7085.52	Shear (lb/sq ft)		1.68	
Alpha	1.00	Stream Power (lb/ft s)		6.27	
Frctn Loss (ft)	0.38	Cum Volume (acre-ft)	0.00	4.55	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	4.32	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3958.00* Profile: Q100

E.G. Elev (ft)	7087.09	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.23	Wt. n-Val.		0.069	
W.S. Elev (ft)	7086.86	Reach Len. (ft)	20.81	19.49	18.35
Crit W.S. (ft)		Flow Area (sq ft)		49.40	
E.G. Slope (ft/ft)	0.020137	Area (sq ft)		49.40	
Q Total (cfs)	188.00	Flow (cfs)		188.00	
Top Width (ft)	35.08	Top Width (ft)		35.08	
Vel Total (ft/s)	3.81	Avg. Vel. (ft/s)		3.81	
Max Chl Dpth (ft)	1.73	Hydr. Depth (ft)		1.41	
Conv. Total (cfs)	1324.8	Conv. (cfs)		1324.8	
Length Wtd. (ft)	19.49	Wetted Per. (ft)		35.54	
Min Ch El (ft)	7085.13	Shear (lb/sq ft)		1.75	
Alpha	1.00	Stream Power (lb/ft s)		6.65	
Frctn Loss (ft)	0.47	Cum Volume (acre-ft)	0.00	4.53	0.05
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	4.31	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3938.50* Profile: Q100

E.G. Elev (ft)	7086.61	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.29	Wt. n-Val.		0.069	
W.S. Elev (ft)	7086.33	Reach Len. (ft)	20.81	19.49	18.35
Crit W.S. (ft)		Flow Area (sq ft)		43.69	
E.G. Slope (ft/ft)	0.028978	Area (sq ft)		43.69	
Q Total (cfs)	188.00	Flow (cfs)		188.00	
Top Width (ft)	33.97	Top Width (ft)		33.97	
Vel Total (ft/s)	4.30	Avg. Vel. (ft/s)		4.30	
Max Chl Dpth (ft)	1.57	Hydr. Depth (ft)		1.29	
Conv. Total (cfs)	1104.4	Conv. (cfs)		1104.4	
Length Wtd. (ft)	19.49	Wetted Per. (ft)		34.36	
Min Ch El (ft)	7084.75	Shear (lb/sq ft)		2.30	
Alpha	1.00	Stream Power (lb/ft s)		9.90	
Frctn Loss (ft)	0.46	Cum Volume (acre-ft)	0.00	4.51	0.05
C & E Loss (ft)	0.02	Cum SA (acres)	0.00	4.29	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3919.00* Profile: Q100

E.G. Elev (ft)	7086.14	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.46	Wt. n-Val.		0.040	
W.S. Elev (ft)	7085.68	Reach Len. (ft)	20.81	19.49	18.35
Crit W.S. (ft)	7085.62	Flow Area (sq ft)		34.68	
E.G. Slope (ft/ft)	0.019442	Area (sq ft)		34.68	
Q Total (cfs)	188.00	Flow (cfs)		188.00	
Top Width (ft)	32.07	Top Width (ft)		32.07	
Vel Total (ft/s)	5.42	Avg. Vel. (ft/s)		5.42	
Max Chl Dpth (ft)	1.31	Hydr. Depth (ft)		1.08	
Conv. Total (cfs)	1348.3	Conv. (cfs)		1348.3	
Length Wtd. (ft)	19.49	Wetted Per. (ft)		32.39	
Min Ch El (ft)	7084.37	Shear (lb/sq ft)		1.30	
Alpha	1.00	Stream Power (lb/ft s)		7.05	
Frctn Loss (ft)	0.38	Cum Volume (acre-ft)	0.00	4.49	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	4.28	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3899.50* Profile: Q100

E.G. Elev (ft)	7085.76	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.46	Wt. n-Val.		0.040	
W.S. Elev (ft)	7085.29	Reach Len. (ft)	20.81	19.49	18.35
Crit W.S. (ft)	7085.22	Flow Area (sq ft)		34.50	
E.G. Slope (ft/ft)	0.019603	Area (sq ft)		34.50	
Q Total (cfs)	188.00	Flow (cfs)		188.00	
Top Width (ft)	31.85	Top Width (ft)		31.85	
Vel Total (ft/s)	5.45	Avg. Vel. (ft/s)		5.45	
Max Chl Dpth (ft)	1.31	Hydr. Depth (ft)		1.08	
Conv. Total (cfs)	1342.7	Conv. (cfs)		1342.7	
Length Wtd. (ft)	19.49	Wetted Per. (ft)		32.17	
Min Ch El (ft)	7083.98	Shear (lb/sq ft)		1.31	
Alpha	1.00	Stream Power (lb/ft s)		7.15	
Frctn Loss (ft)	0.33	Cum Volume (acre-ft)	0.00	4.47	0.05
C & E Loss (ft)	0.02	Cum SA (acres)	0.00	4.26	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3880 Profile: Q100

E.G. Elev (ft)	7085.40	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.39	Wt. n-Val.		0.040	
W.S. Elev (ft)	7085.01	Reach Len. (ft)	35.00	36.00	36.60
Crit W.S. (ft)		Flow Area (sq ft)		37.64	
E.G. Slope (ft/ft)	0.015002	Area (sq ft)		37.64	
Q Total (cfs)	188.00	Flow (cfs)		188.00	
Top Width (ft)	32.36	Top Width (ft)		32.36	
Vel Total (ft/s)	4.99	Avg. Vel. (ft/s)		4.99	
Max Chl Dpth (ft)	1.41	Hydr. Depth (ft)		1.16	
Conv. Total (cfs)	1534.9	Conv. (cfs)		1534.9	
Length Wtd. (ft)	36.00	Wetted Per. (ft)		32.72	
Min Ch El (ft)	7083.60	Shear (lb/sq ft)		1.08	
Alpha	1.00	Stream Power (lb/ft s)		5.38	
Frctn Loss (ft)	0.54	Cum Volume (acre-ft)	0.00	4.46	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	4.25	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3844.00* Profile: Q100

E.G. Elev (ft)	7084.86	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.39	Wt. n-Val.		0.040	
W.S. Elev (ft)	7084.47	Reach Len. (ft)	35.00	36.00	36.60
Crit W.S. (ft)		Flow Area (sq ft)		37.56	
E.G. Slope (ft/ft)	0.015254	Area (sq ft)		37.56	
Q Total (cfs)	188.00	Flow (cfs)		188.00	
Top Width (ft)	32.64	Top Width (ft)		32.64	
Vel Total (ft/s)	5.00	Avg. Vel. (ft/s)		5.00	
Max Chl Dpth (ft)	1.41	Hydr. Depth (ft)		1.15	
Conv. Total (cfs)	1522.2	Conv. (cfs)		1522.2	
Length Wtd. (ft)	36.00	Wetted Per. (ft)		32.97	
Min Ch El (ft)	7083.06	Shear (lb/sq ft)		1.08	
Alpha	1.00	Stream Power (lb/ft s)		5.43	
Frctn Loss (ft)	0.54	Cum Volume (acre-ft)	0.00	4.43	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	4.22	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3808.00* Profile: Q100

E.G. Elev (ft)	7084.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.38	Wt. n-Val.		0.040	
W.S. Elev (ft)	7083.93	Reach Len. (ft)	35.00	36.00	36.60
Crit W.S. (ft)		Flow Area (sq ft)		37.89	
E.G. Slope (ft/ft)	0.015019	Area (sq ft)		37.89	
Q Total (cfs)	188.00	Flow (cfs)		188.00	
Top Width (ft)	32.98	Top Width (ft)		32.98	
Vel Total (ft/s)	4.96	Avg. Vel. (ft/s)		4.96	
Max Chl Dpth (ft)	1.41	Hydr. Depth (ft)		1.15	
Conv. Total (cfs)	1534.0	Conv. (cfs)		1534.0	
Length Wtd. (ft)	36.00	Wetted Per. (ft)		33.30	
Min Ch El (ft)	7082.52	Shear (lb/sq ft)		1.07	
Alpha	1.00	Stream Power (lb/ft s)		5.29	
Frctn Loss (ft)	0.39	Cum Volume (acre-ft)	0.00	4.39	0.05
C & E Loss (ft)	0.04	Cum SA (acres)	0.00	4.20	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3772.00* Profile: Q100

E.G. Elev (ft)	7083.88	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.25	Wt. n-Val.		0.040	
W.S. Elev (ft)	7083.63	Reach Len. (ft)	35.00	36.00	36.60
Crit W.S. (ft)		Flow Area (sq ft)		46.61	
E.G. Slope (ft/ft)	0.008095	Area (sq ft)		46.61	
Q Total (cfs)	188.00	Flow (cfs)		188.00	
Top Width (ft)	34.74	Top Width (ft)		34.74	
Vel Total (ft/s)	4.03	Avg. Vel. (ft/s)		4.03	
Max Chl Dpth (ft)	1.65	Hydr. Depth (ft)		1.34	
Conv. Total (cfs)	2089.5	Conv. (cfs)		2089.5	
Length Wtd. (ft)	36.00	Wetted Per. (ft)		35.16	
Min Ch El (ft)	7081.98	Shear (lb/sq ft)		0.67	
Alpha	1.00	Stream Power (lb/ft s)		2.70	
Frctn Loss (ft)	0.17	Cum Volume (acre-ft)	0.00	4.36	0.05
C & E Loss (ft)	0.04	Cum SA (acres)	0.00	4.17	0.09

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3736.00* Profile: Q100

E.G. Elev (ft)	7083.67	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.14	Wt. n-Val.	0.000	0.040	0.000
W.S. Elev (ft)	7083.54	Reach Len. (ft)	35.00	36.00	36.60
Crit W.S. (ft)		Flow Area (sq ft)	0.00	63.68	0.00
E.G. Slope (ft/ft)	0.003180	Area (sq ft)	0.00	63.68	0.00
Q Total (cfs)	188.00	Flow (cfs)	0.00	188.00	0.00
Top Width (ft)	37.55	Top Width (ft)	0.08	37.44	0.03
Vel Total (ft/s)	2.95	Avg. Vel. (ft/s)	0.07	2.95	0.06
Max Chl Dpth (ft)	2.10	Hydr. Depth (ft)	0.01	1.70	0.01
Conv. Total (cfs)	3333.8	Conv. (cfs)	0.0	3333.8	0.0
Length Wtd. (ft)	36.00	Wetted Per. (ft)	0.08	38.07	0.03
Min Ch El (ft)	7081.44	Shear (lb/sq ft)		0.33	
Alpha	1.00	Stream Power (lb/ft s)		0.98	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)	0.00	4.31	0.05
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	4.14	0.09

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3700 Profile: Q100

E.G. Elev (ft)	7083.38	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.28	Wt. n-Val.	0.050	0.069	0.050
W.S. Elev (ft)	7083.10	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)	0.03	68.50	0.01
E.G. Slope (ft/ft)	0.018236	Area (sq ft)	0.03	68.50	0.01
Q Total (cfs)	293.00	Flow (cfs)	0.01	292.98	0.00
Top Width (ft)	38.39	Top Width (ft)	0.54	37.70	0.15
Vel Total (ft/s)	4.28	Avg. Vel. (ft/s)	0.53	4.28	0.48
Max Chl Dpth (ft)	2.20	Hydr. Depth (ft)	0.05	1.82	0.05
Conv. Total (cfs)	2169.7	Conv. (cfs)	0.1	2169.6	0.0
Length Wtd. (ft)	25.00	Wetted Per. (ft)	0.55	38.41	0.18

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3700 Profile: Q100 (Continued)

Min Ch El (ft)	7080.90	Shear (lb/sq ft)	0.05	2.03	0.05
Alpha	1.00	Stream Power (lb/ft s)	0.03	8.68	0.02
Frctn Loss (ft)	0.46	Cum Volume (acre-ft)	0.00	4.26	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	4.11	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3675.00* Profile: Q100

E.G. Elev (ft)	7082.92	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.28	Wt. n-Val.	0.000	0.069	0.000
W.S. Elev (ft)	7082.65	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)	0.00	69.55	0.00
E.G. Slope (ft/ft)	0.018354	Area (sq ft)	0.00	69.55	0.00
Q Total (cfs)	293.00	Flow (cfs)	0.00	293.00	0.00
Top Width (ft)	39.63	Top Width (ft)	0.16	39.42	0.05
Vel Total (ft/s)	4.21	Avg. Vel. (ft/s)	0.23	4.21	0.21
Max Chl Dpth (ft)	2.17	Hydr. Depth (ft)	0.01	1.76	0.01
Conv. Total (cfs)	2162.7	Conv. (cfs)	0.0	2162.7	0.0
Length Wtd. (ft)	25.00	Wetted Per. (ft)	0.16	40.08	0.06
Min Ch El (ft)	7080.48	Shear (lb/sq ft)		1.99	
Alpha	1.00	Stream Power (lb/ft s)		8.38	
Frctn Loss (ft)	0.46	Cum Volume (acre-ft)	0.00	4.22	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	4.08	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3650.00* Profile: Q100

E.G. Elev (ft)	7082.46	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.27	Wt. n-Val.		0.069	
W.S. Elev (ft)	7082.20	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		70.58	
E.G. Slope (ft/ft)	0.018265	Area (sq ft)		70.58	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	40.81	Top Width (ft)		40.81	
Vel Total (ft/s)	4.15	Avg. Vel. (ft/s)		4.15	
Max Chl Dpth (ft)	2.15	Hydr. Depth (ft)		1.73	
Conv. Total (cfs)	2168.0	Conv. (cfs)		2168.0	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		41.43	
Min Ch El (ft)	7080.05	Shear (lb/sq ft)		1.94	
Alpha	1.00	Stream Power (lb/ft s)		8.07	
Frctn Loss (ft)	0.46	Cum Volume (acre-ft)	0.00	4.18	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	4.06	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3625.00* Profile: Q100

E.G. Elev (ft)	7082.01	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.26	Wt. n-Val.		0.069	
W.S. Elev (ft)	7081.75	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		71.46	
E.G. Slope (ft/ft)	0.018159	Area (sq ft)		71.46	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	41.99	Top Width (ft)		41.99	
Vel Total (ft/s)	4.10	Avg. Vel. (ft/s)		4.10	
Max Chl Dpth (ft)	2.13	Hydr. Depth (ft)		1.70	
Conv. Total (cfs)	2174.3	Conv. (cfs)		2174.3	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		42.55	
Min Ch El (ft)	7079.62	Shear (lb/sq ft)		1.90	
Alpha	1.00	Stream Power (lb/ft s)		7.81	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3625.00* Profile: Q100 (Continued)

Frctn Loss (ft)	0.45	Cum Volume (acre-ft)	0.00	4.14	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	4.04	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3600.00* Profile: Q100

E.G. Elev (ft)	7081.55	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.26	Wt. n-Val.		0.069	
W.S. Elev (ft)	7081.30	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		72.11	
E.G. Slope (ft/ft)	0.018238	Area (sq ft)		72.11	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	43.15	Top Width (ft)		43.15	
Vel Total (ft/s)	4.06	Avg. Vel. (ft/s)		4.06	
Max Chl Dpth (ft)	2.10	Hydr. Depth (ft)		1.67	
Conv. Total (cfs)	2169.6	Conv. (cfs)		2169.6	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		43.67	
Min Ch EI (ft)	7079.20	Shear (lb/sq ft)		1.88	
Alpha	1.00	Stream Power (lb/ft s)		7.64	
Frctn Loss (ft)	0.46	Cum Volume (acre-ft)	0.00	4.10	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	4.01	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3575.00* Profile: Q100

E.G. Elev (ft)	7081.10	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.25	Wt. n-Val.		0.069	
W.S. Elev (ft)	7080.84	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		72.81	
E.G. Slope (ft/ft)	0.018223	Area (sq ft)		72.81	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	44.22	Top Width (ft)		44.22	
Vel Total (ft/s)	4.02	Avg. Vel. (ft/s)		4.02	
Max Chl Dpth (ft)	2.07	Hydr. Depth (ft)		1.65	
Conv. Total (cfs)	2170.5	Conv. (cfs)		2170.5	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		44.71	
Min Ch EI (ft)	7078.77	Shear (lb/sq ft)		1.85	
Alpha	1.00	Stream Power (lb/ft s)		7.46	
Frctn Loss (ft)	0.46	Cum Volume (acre-ft)	0.00	4.06	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.99	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3550.00* Profile: Q100

E.G. Elev (ft)	7080.63	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.25	Wt. n-Val.		0.069	
W.S. Elev (ft)	7080.38	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		72.56	
E.G. Slope (ft/ft)	0.018861	Area (sq ft)		72.56	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	45.02	Top Width (ft)		45.02	
Vel Total (ft/s)	4.04	Avg. Vel. (ft/s)		4.04	
Max Chl Dpth (ft)	2.03	Hydr. Depth (ft)		1.61	
Conv. Total (cfs)	2133.5	Conv. (cfs)		2133.5	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		45.48	
Min Ch EI (ft)	7078.35	Shear (lb/sq ft)		1.88	
Alpha	1.00	Stream Power (lb/ft s)		7.59	
Frctn Loss (ft)	0.59	Cum Volume (acre-ft)	0.00	4.01	0.05
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	3.96	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3525.00* Profile: Q100

E.G. Elev (ft)	7080.03	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.35	Wt. n-Val.		0.069	
W.S. Elev (ft)	7079.68	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		62.02	
E.G. Slope (ft/ft)	0.030753	Area (sq ft)		62.02	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	43.95	Top Width (ft)		43.95	
Vel Total (ft/s)	4.72	Avg. Vel. (ft/s)		4.72	
Max Chl Dpth (ft)	1.76	Hydr. Depth (ft)		1.41	
Conv. Total (cfs)	1670.8	Conv. (cfs)		1670.8	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		44.33	
Min Ch EI (ft)	7077.92	Shear (lb/sq ft)		2.69	
Alpha	1.00	Stream Power (lb/ft s)		12.69	
Frctn Loss (ft)	0.50	Cum Volume (acre-ft)	0.00	3.98	0.05
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	3.94	0.09

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3500 Profile: Q100

E.G. Elev (ft)	7079.52	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.42	Wt. n-Val.		0.040	
W.S. Elev (ft)	7079.10	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		56.22	
E.G. Slope (ft/ft)	0.014157	Area (sq ft)		56.22	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	43.55	Top Width (ft)		43.55	
Vel Total (ft/s)	5.21	Avg. Vel. (ft/s)		5.21	
Max Chl Dpth (ft)	1.60	Hydr. Depth (ft)		1.29	
Conv. Total (cfs)	2462.5	Conv. (cfs)		2462.5	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		43.90	
Min Ch EI (ft)	7077.50	Shear (lb/sq ft)		1.13	
Alpha	1.00	Stream Power (lb/ft s)		5.90	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)	0.00	3.94	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.91	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3480.77* Profile: Q100

E.G. Elev (ft)	7079.24	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.42	Wt. n-Val.		0.040	
W.S. Elev (ft)	7078.82	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		56.28	
E.G. Slope (ft/ft)	0.014383	Area (sq ft)		56.28	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	44.23	Top Width (ft)		44.23	
Vel Total (ft/s)	5.21	Avg. Vel. (ft/s)		5.21	
Max Chl Dpth (ft)	1.58	Hydr. Depth (ft)		1.27	
Conv. Total (cfs)	2443.1	Conv. (cfs)		2443.1	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		44.55	
Min Ch EI (ft)	7077.24	Shear (lb/sq ft)		1.13	
Alpha	1.00	Stream Power (lb/ft s)		5.91	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)	0.00	3.92	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.89	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3461.54* Profile: Q100

E.G. Elev (ft)	7078.96	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.42	Wt. n-Val.		0.040	
W.S. Elev (ft)	7078.55	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		56.52	
E.G. Slope (ft/ft)	0.014461	Area (sq ft)		56.52	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	44.90	Top Width (ft)		44.90	
Vel Total (ft/s)	5.18	Avg. Vel. (ft/s)		5.18	
Max Chl Dpth (ft)	1.57	Hydr. Depth (ft)		1.26	
Conv. Total (cfs)	2436.5	Conv. (cfs)		2436.5	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		45.21	
Min Ch El (ft)	7076.98	Shear (lb/sq ft)		1.13	
Alpha	1.00	Stream Power (lb/ft s)		5.85	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)	0.00	3.89	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.87	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3442.31* Profile: Q100

E.G. Elev (ft)	7078.69	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.42	Wt. n-Val.		0.040	
W.S. Elev (ft)	7078.27	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		56.64	
E.G. Slope (ft/ft)	0.014581	Area (sq ft)		56.64	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	45.45	Top Width (ft)		45.45	
Vel Total (ft/s)	5.17	Avg. Vel. (ft/s)		5.17	
Max Chl Dpth (ft)	1.55	Hydr. Depth (ft)		1.25	
Conv. Total (cfs)	2426.5	Conv. (cfs)		2426.5	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		45.74	
Min Ch El (ft)	7076.72	Shear (lb/sq ft)		1.13	
Alpha	1.00	Stream Power (lb/ft s)		5.83	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)	0.00	3.87	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.85	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3423.08* Profile: Q100

E.G. Elev (ft)	7078.40	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.41	Wt. n-Val.		0.040	
W.S. Elev (ft)	7077.99	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		57.10	
E.G. Slope (ft/ft)	0.014461	Area (sq ft)		57.10	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	46.09	Top Width (ft)		46.09	
Vel Total (ft/s)	5.13	Avg. Vel. (ft/s)		5.13	
Max Chl Dpth (ft)	1.54	Hydr. Depth (ft)		1.24	
Conv. Total (cfs)	2436.6	Conv. (cfs)		2436.6	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		46.37	
Min Ch El (ft)	7076.45	Shear (lb/sq ft)		1.11	
Alpha	1.00	Stream Power (lb/ft s)		5.70	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)	0.00	3.84	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.83	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3403.85* Profile: Q100

E.G. Elev (ft)	7078.12	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.41	Wt. n-Val.		0.040	
W.S. Elev (ft)	7077.71	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		57.21	
E.G. Slope (ft/ft)	0.014601	Area (sq ft)		57.21	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	46.68	Top Width (ft)		46.68	
Vel Total (ft/s)	5.12	Avg. Vel. (ft/s)		5.12	
Max Chl Dpth (ft)	1.52	Hydr. Depth (ft)		1.23	
Conv. Total (cfs)	2424.8	Conv. (cfs)		2424.8	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		46.95	
Min Ch El (ft)	7076.19	Shear (lb/sq ft)		1.11	
Alpha	1.00	Stream Power (lb/ft s)		5.69	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)	0.00	3.82	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.81	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3384.62* Profile: Q100

E.G. Elev (ft)	7077.84	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.40	Wt. n-Val.		0.040	
W.S. Elev (ft)	7077.44	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		57.41	
E.G. Slope (ft/ft)	0.014674	Area (sq ft)		57.41	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	47.26	Top Width (ft)		47.26	
Vel Total (ft/s)	5.10	Avg. Vel. (ft/s)		5.10	
Max Chl Dpth (ft)	1.50	Hydr. Depth (ft)		1.21	
Conv. Total (cfs)	2418.7	Conv. (cfs)		2418.7	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		47.53	
Min Ch El (ft)	7075.93	Shear (lb/sq ft)		1.11	
Alpha	1.00	Stream Power (lb/ft s)		5.65	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)	0.00	3.79	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.79	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3365.39* Profile: Q100

E.G. Elev (ft)	7077.56	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.40	Wt. n-Val.		0.040	
W.S. Elev (ft)	7077.15	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		57.64	
E.G. Slope (ft/ft)	0.014703	Area (sq ft)		57.64	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	47.82	Top Width (ft)		47.82	
Vel Total (ft/s)	5.08	Avg. Vel. (ft/s)		5.08	
Max Chl Dpth (ft)	1.48	Hydr. Depth (ft)		1.21	
Conv. Total (cfs)	2416.3	Conv. (cfs)		2416.3	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		48.08	
Min Ch El (ft)	7075.67	Shear (lb/sq ft)		1.10	
Alpha	1.00	Stream Power (lb/ft s)		5.59	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)	0.00	3.77	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.77	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3346.15* Profile: Q100

E.G. Elev (ft)	7077.27	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.40	Wt. n-Val.		0.040	
W.S. Elev (ft)	7076.87	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		57.82	
E.G. Slope (ft/ft)	0.014764	Area (sq ft)		57.82	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	48.34	Top Width (ft)		48.34	
Vel Total (ft/s)	5.07	Avg. Vel. (ft/s)		5.07	
Max Chl Dpth (ft)	1.46	Hydr. Depth (ft)		1.20	
Conv. Total (cfs)	2411.3	Conv. (cfs)		2411.3	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		48.60	
Min Ch El (ft)	7075.41	Shear (lb/sq ft)		1.10	
Alpha	1.00	Stream Power (lb/ft s)		5.56	
Frctn Loss (ft)	0.29	Cum Volume (acre-ft)	0.00	3.74	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.75	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3326.92* Profile: Q100

E.G. Elev (ft)	7076.99	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.40	Wt. n-Val.		0.040	
W.S. Elev (ft)	7076.59	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		57.89	
E.G. Slope (ft/ft)	0.014898	Area (sq ft)		57.89	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	48.81	Top Width (ft)		48.81	
Vel Total (ft/s)	5.06	Avg. Vel. (ft/s)		5.06	
Max Chl Dpth (ft)	1.44	Hydr. Depth (ft)		1.19	
Conv. Total (cfs)	2400.5	Conv. (cfs)		2400.5	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		49.08	
Min Ch El (ft)	7075.15	Shear (lb/sq ft)		1.10	
Alpha	1.00	Stream Power (lb/ft s)		5.55	
Frctn Loss (ft)	0.29	Cum Volume (acre-ft)	0.00	3.71	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.73	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3307.69* Profile: Q100

E.G. Elev (ft)	7076.70	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.39	Wt. n-Val.		0.040	
W.S. Elev (ft)	7076.31	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		58.28	
E.G. Slope (ft/ft)	0.014791	Area (sq ft)		58.28	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	49.37	Top Width (ft)		49.37	
Vel Total (ft/s)	5.03	Avg. Vel. (ft/s)		5.03	
Max Chl Dpth (ft)	1.43	Hydr. Depth (ft)		1.18	
Conv. Total (cfs)	2409.2	Conv. (cfs)		2409.2	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		49.64	
Min Ch El (ft)	7074.88	Shear (lb/sq ft)		1.08	
Alpha	1.00	Stream Power (lb/ft s)		5.45	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)	0.00	3.69	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.71	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3288.46* Profile: Q100

E.G. Elev (ft)	7076.41	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.39	Wt. n-Val.		0.040	
W.S. Elev (ft)	7076.02	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		58.56	
E.G. Slope (ft/ft)	0.014755	Area (sq ft)		58.56	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	49.87	Top Width (ft)		49.87	
Vel Total (ft/s)	5.00	Avg. Vel. (ft/s)		5.00	
Max Chl Dpth (ft)	1.40	Hydr. Depth (ft)		1.17	
Conv. Total (cfs)	2412.1	Conv. (cfs)		2412.1	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		50.15	
Min Ch El (ft)	7074.62	Shear (lb/sq ft)		1.08	
Alpha	1.00	Stream Power (lb/ft s)		5.38	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)	0.00	3.66	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.68	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3269.23* Profile: Q100

E.G. Elev (ft)	7076.13	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.38	Wt. n-Val.		0.040	
W.S. Elev (ft)	7075.75	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		58.94	
E.G. Slope (ft/ft)	0.014655	Area (sq ft)		58.94	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	50.43	Top Width (ft)		50.43	
Vel Total (ft/s)	4.97	Avg. Vel. (ft/s)		4.97	
Max Chl Dpth (ft)	1.38	Hydr. Depth (ft)		1.17	
Conv. Total (cfs)	2420.4	Conv. (cfs)		2420.4	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		50.72	
Min Ch El (ft)	7074.36	Shear (lb/sq ft)		1.06	
Alpha	1.00	Stream Power (lb/ft s)		5.29	
Frctn Loss (ft)	0.31	Cum Volume (acre-ft)	0.00	3.64	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.66	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3250 Profile: Q100

E.G. Elev (ft)	7075.82	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.43	Wt. n-Val.		0.040	
W.S. Elev (ft)	7075.40	Reach Len. (ft)	15.00	15.00	15.00
Crit W.S. (ft)	7075.29	Flow Area (sq ft)		56.01	
E.G. Slope (ft/ft)	0.017343	Area (sq ft)		56.01	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	50.36	Top Width (ft)		50.36	
Vel Total (ft/s)	5.23	Avg. Vel. (ft/s)		5.23	
Max Chl Dpth (ft)	1.30	Hydr. Depth (ft)		1.11	
Conv. Total (cfs)	2224.9	Conv. (cfs)		2224.9	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		50.65	
Min Ch El (ft)	7074.10	Shear (lb/sq ft)		1.20	
Alpha	1.00	Stream Power (lb/ft s)		6.26	
Frctn Loss (ft)	0.26	Cum Volume (acre-ft)	0.00	3.61	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.64	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3235.00* Profile: Q100

E.G. Elev (ft)	7075.56	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.43	Wt. n-Val.		0.040	
W.S. Elev (ft)	7075.13	Reach Len. (ft)	15.00	15.00	15.00
Crit W.S. (ft)	7075.02	Flow Area (sq ft)		55.79	
E.G. Slope (ft/ft)	0.017304	Area (sq ft)		55.79	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	49.80	Top Width (ft)		49.80	
Vel Total (ft/s)	5.25	Avg. Vel. (ft/s)		5.25	
Max Chl Dpth (ft)	1.31	Hydr. Depth (ft)		1.12	
Conv. Total (cfs)	2227.4	Conv. (cfs)		2227.4	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		50.08	
Min Ch El (ft)	7073.82	Shear (lb/sq ft)		1.20	
Alpha	1.00	Stream Power (lb/ft s)		6.32	
Frctn Loss (ft)	0.26	Cum Volume (acre-ft)	0.00	3.59	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.62	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3220.00* Profile: Q100

E.G. Elev (ft)	7075.30	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.43	Wt. n-Val.		0.040	
W.S. Elev (ft)	7074.86	Reach Len. (ft)	15.00	15.00	15.00
Crit W.S. (ft)	7074.76	Flow Area (sq ft)		55.56	
E.G. Slope (ft/ft)	0.017285	Area (sq ft)		55.56	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	49.25	Top Width (ft)		49.25	
Vel Total (ft/s)	5.27	Avg. Vel. (ft/s)		5.27	
Max Chl Dpth (ft)	1.32	Hydr. Depth (ft)		1.13	
Conv. Total (cfs)	2228.6	Conv. (cfs)		2228.6	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		49.52	
Min Ch El (ft)	7073.54	Shear (lb/sq ft)		1.21	
Alpha	1.00	Stream Power (lb/ft s)		6.38	
Frctn Loss (ft)	0.26	Cum Volume (acre-ft)	0.00	3.57	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.61	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3205.00* Profile: Q100

E.G. Elev (ft)	7075.03	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.44	Wt. n-Val.		0.040	
W.S. Elev (ft)	7074.60	Reach Len. (ft)	15.00	15.00	15.00
Crit W.S. (ft)	7074.49	Flow Area (sq ft)		55.32	
E.G. Slope (ft/ft)	0.017263	Area (sq ft)		55.32	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	48.67	Top Width (ft)		48.67	
Vel Total (ft/s)	5.30	Avg. Vel. (ft/s)		5.30	
Max Chl Dpth (ft)	1.34	Hydr. Depth (ft)		1.14	
Conv. Total (cfs)	2230.0	Conv. (cfs)		2230.0	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		48.94	
Min Ch El (ft)	7073.26	Shear (lb/sq ft)		1.22	
Alpha	1.00	Stream Power (lb/ft s)		6.45	
Frctn Loss (ft)	0.26	Cum Volume (acre-ft)	0.00	3.55	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.59	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3190.00* Profile: Q100

E.G. Elev (ft)	7074.77	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.44	Wt. n-Val.		0.040	
W.S. Elev (ft)	7074.33	Reach Len. (ft)	15.00	15.00	15.00
Crit W.S. (ft)	7074.22	Flow Area (sq ft)		55.20	
E.G. Slope (ft/ft)	0.017150	Area (sq ft)		55.20	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	48.17	Top Width (ft)		48.17	
Vel Total (ft/s)	5.31	Avg. Vel. (ft/s)		5.31	
Max Chl Dpth (ft)	1.35	Hydr. Depth (ft)		1.15	
Conv. Total (cfs)	2237.4	Conv. (cfs)		2237.4	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		48.44	
Min Ch El (ft)	7072.98	Shear (lb/sq ft)		1.22	
Alpha	1.00	Stream Power (lb/ft s)		6.48	
Frctn Loss (ft)	0.26	Cum Volume (acre-ft)	0.00	3.54	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.57	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3175.00* Profile: Q100

E.G. Elev (ft)	7074.51	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.44	Wt. n-Val.		0.040	
W.S. Elev (ft)	7074.07	Reach Len. (ft)	15.00	15.00	15.00
Crit W.S. (ft)	7073.96	Flow Area (sq ft)		55.22	
E.G. Slope (ft/ft)	0.016880	Area (sq ft)		55.22	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	47.63	Top Width (ft)		47.63	
Vel Total (ft/s)	5.31	Avg. Vel. (ft/s)		5.31	
Max Chl Dpth (ft)	1.37	Hydr. Depth (ft)		1.16	
Conv. Total (cfs)	2255.2	Conv. (cfs)		2255.2	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		47.90	
Min Ch El (ft)	7072.70	Shear (lb/sq ft)		1.21	
Alpha	1.00	Stream Power (lb/ft s)		6.45	
Frctn Loss (ft)	0.26	Cum Volume (acre-ft)	0.00	3.52	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.56	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3160.00* Profile: Q100

E.G. Elev (ft)	7074.25	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.45	Wt. n-Val.		0.040	
W.S. Elev (ft)	7073.80	Reach Len. (ft)	15.00	15.00	15.00
Crit W.S. (ft)	7073.70	Flow Area (sq ft)		54.57	
E.G. Slope (ft/ft)	0.017242	Area (sq ft)		54.57	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	46.99	Top Width (ft)		46.99	
Vel Total (ft/s)	5.37	Avg. Vel. (ft/s)		5.37	
Max Chl Dpth (ft)	1.38	Hydr. Depth (ft)		1.16	
Conv. Total (cfs)	2231.4	Conv. (cfs)		2231.4	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		47.26	
Min Ch El (ft)	7072.42	Shear (lb/sq ft)		1.24	
Alpha	1.00	Stream Power (lb/ft s)		6.67	
Frctn Loss (ft)	0.26	Cum Volume (acre-ft)	0.00	3.50	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.54	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3145.00* Profile: Q100

E.G. Elev (ft)	7073.99	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.45	Wt. n-Val.		0.040	
W.S. Elev (ft)	7073.54	Reach Len. (ft)	15.00	15.00	15.00
Crit W.S. (ft)	7073.43	Flow Area (sq ft)		54.47	
E.G. Slope (ft/ft)	0.017096	Area (sq ft)		54.47	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	46.47	Top Width (ft)		46.47	
Vel Total (ft/s)	5.38	Avg. Vel. (ft/s)		5.38	
Max Chl Dpth (ft)	1.40	Hydr. Depth (ft)		1.17	
Conv. Total (cfs)	2240.9	Conv. (cfs)		2240.9	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		46.74	
Min Ch El (ft)	7072.14	Shear (lb/sq ft)		1.24	
Alpha	1.00	Stream Power (lb/ft s)		6.69	
Frctn Loss (ft)	0.26	Cum Volume (acre-ft)	0.00	3.48	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.52	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3130.00* Profile: Q100

E.G. Elev (ft)	7073.72	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.46	Wt. n-Val.		0.040	
W.S. Elev (ft)	7073.27	Reach Len. (ft)	15.00	15.00	15.00
Crit W.S. (ft)	7073.15	Flow Area (sq ft)		54.04	
E.G. Slope (ft/ft)	0.017241	Area (sq ft)		54.04	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	45.83	Top Width (ft)		45.83	
Vel Total (ft/s)	5.42	Avg. Vel. (ft/s)		5.42	
Max Chl Dpth (ft)	1.41	Hydr. Depth (ft)		1.18	
Conv. Total (cfs)	2231.4	Conv. (cfs)		2231.4	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		46.11	
Min Ch El (ft)	7071.86	Shear (lb/sq ft)		1.26	
Alpha	1.00	Stream Power (lb/ft s)		6.84	
Frctn Loss (ft)	0.26	Cum Volume (acre-ft)	0.00	3.46	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.51	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3115.00* Profile: Q100

E.G. Elev (ft)	7073.47	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.45	Wt. n-Val.		0.040	
W.S. Elev (ft)	7073.01	Reach Len. (ft)	15.00	15.00	15.00
Crit W.S. (ft)		Flow Area (sq ft)		54.23	
E.G. Slope (ft/ft)	0.016801	Area (sq ft)		54.23	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	45.34	Top Width (ft)		45.34	
Vel Total (ft/s)	5.40	Avg. Vel. (ft/s)		5.40	
Max Chl Dpth (ft)	1.43	Hydr. Depth (ft)		1.20	
Conv. Total (cfs)	2260.5	Conv. (cfs)		2260.5	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		45.63	
Min Ch El (ft)	7071.58	Shear (lb/sq ft)		1.25	
Alpha	1.00	Stream Power (lb/ft s)		6.74	
Frctn Loss (ft)	0.24	Cum Volume (acre-ft)	0.00	3.44	0.05
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	3.49	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3100 Profile: Q100

E.G. Elev (ft)	7073.22	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.42	Wt. n-Val.		0.040	
W.S. Elev (ft)	7072.80	Reach Len. (ft)	18.66	14.84	8.66
Crit W.S. (ft)		Flow Area (sq ft)		56.35	
E.G. Slope (ft/ft)	0.014753	Area (sq ft)		56.35	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	45.23	Top Width (ft)		45.23	
Vel Total (ft/s)	5.20	Avg. Vel. (ft/s)		5.20	
Max Chl Dpth (ft)	1.50	Hydr. Depth (ft)		1.25	
Conv. Total (cfs)	2412.3	Conv. (cfs)		2412.3	
Length Wtd. (ft)	14.84	Wetted Per. (ft)		45.54	
Min Ch El (ft)	7071.30	Shear (lb/sq ft)		1.14	
Alpha	1.00	Stream Power (lb/ft s)		5.93	
Frctn Loss (ft)	0.22	Cum Volume (acre-ft)	0.00	3.42	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.48	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3085.17* Profile: Q100

E.G. Elev (ft)	7073.00	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.42	Wt. n-Val.		0.040	
W.S. Elev (ft)	7072.58	Reach Len. (ft)	18.66	14.84	8.66
Crit W.S. (ft)		Flow Area (sq ft)		56.35	
E.G. Slope (ft/ft)	0.014986	Area (sq ft)		56.35	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	45.81	Top Width (ft)		45.81	
Vel Total (ft/s)	5.20	Avg. Vel. (ft/s)		5.20	
Max Chl Dpth (ft)	1.50	Hydr. Depth (ft)		1.23	
Conv. Total (cfs)	2393.5	Conv. (cfs)		2393.5	
Length Wtd. (ft)	14.84	Wetted Per. (ft)		46.10	
Min Ch El (ft)	7071.08	Shear (lb/sq ft)		1.14	
Alpha	1.00	Stream Power (lb/ft s)		5.95	
Frctn Loss (ft)	0.23	Cum Volume (acre-ft)	0.00	3.40	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.46	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3070.33* Profile: Q100

E.G. Elev (ft)	7072.77	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.42	Wt. n-Val.		0.040	
W.S. Elev (ft)	7072.35	Reach Len. (ft)	18.66	14.84	8.66
Crit W.S. (ft)		Flow Area (sq ft)		56.21	
E.G. Slope (ft/ft)	0.015366	Area (sq ft)		56.21	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	46.40	Top Width (ft)		46.40	
Vel Total (ft/s)	5.21	Avg. Vel. (ft/s)		5.21	
Max Chl Dpth (ft)	1.48	Hydr. Depth (ft)		1.21	
Conv. Total (cfs)	2363.7	Conv. (cfs)		2363.7	
Length Wtd. (ft)	14.84	Wetted Per. (ft)		46.66	
Min Ch El (ft)	7070.87	Shear (lb/sq ft)		1.16	
Alpha	1.00	Stream Power (lb/ft s)		6.02	
Frctn Loss (ft)	0.23	Cum Volume (acre-ft)	0.00	3.38	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.45	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3055.50* Profile: Q100

E.G. Elev (ft)	7072.54	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.42	Wt. n-Val.		0.040	
W.S. Elev (ft)	7072.12	Reach Len. (ft)	18.66	14.84	8.66
Crit W.S. (ft)		Flow Area (sq ft)		56.25	
E.G. Slope (ft/ft)	0.015529	Area (sq ft)		56.25	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	46.87	Top Width (ft)		46.87	
Vel Total (ft/s)	5.21	Avg. Vel. (ft/s)		5.21	
Max Chl Dpth (ft)	1.47	Hydr. Depth (ft)		1.20	
Conv. Total (cfs)	2351.2	Conv. (cfs)		2351.2	
Length Wtd. (ft)	14.84	Wetted Per. (ft)		47.12	
Min Ch El (ft)	7070.65	Shear (lb/sq ft)		1.16	
Alpha	1.00	Stream Power (lb/ft s)		6.03	
Frctn Loss (ft)	0.23	Cum Volume (acre-ft)	0.00	3.36	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.43	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3040.67* Profile: Q100

E.G. Elev (ft)	7072.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.42	Wt. n-Val.		0.040	
W.S. Elev (ft)	7071.89	Reach Len. (ft)	18.66	14.84	8.66
Crit W.S. (ft)		Flow Area (sq ft)		56.16	
E.G. Slope (ft/ft)	0.015803	Area (sq ft)		56.16	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	47.30	Top Width (ft)		47.30	
Vel Total (ft/s)	5.22	Avg. Vel. (ft/s)		5.22	
Max Chl Dpth (ft)	1.46	Hydr. Depth (ft)		1.19	
Conv. Total (cfs)	2330.7	Conv. (cfs)		2330.7	
Length Wtd. (ft)	14.84	Wetted Per. (ft)		47.56	
Min Ch El (ft)	7070.43	Shear (lb/sq ft)		1.17	
Alpha	1.00	Stream Power (lb/ft s)		6.08	
Frctn Loss (ft)	0.23	Cum Volume (acre-ft)	0.00	3.35	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.41	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3025.83* Profile: Q100

E.G. Elev (ft)	7072.08	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.42	Wt. n-Val.		0.040	
W.S. Elev (ft)	7071.66	Reach Len. (ft)	18.67	14.83	8.67
Crit W.S. (ft)		Flow Area (sq ft)		56.69	
E.G. Slope (ft/ft)	0.015532	Area (sq ft)		56.69	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	47.81	Top Width (ft)		47.81	
Vel Total (ft/s)	5.17	Avg. Vel. (ft/s)		5.17	
Max Chl Dpth (ft)	1.44	Hydr. Depth (ft)		1.19	
Conv. Total (cfs)	2351.0	Conv. (cfs)		2351.0	
Length Wtd. (ft)	14.83	Wetted Per. (ft)		48.07	
Min Ch El (ft)	7070.22	Shear (lb/sq ft)		1.14	
Alpha	1.00	Stream Power (lb/ft s)		5.91	
Frctn Loss (ft)	0.22	Cum Volume (acre-ft)	0.00	3.33	0.05
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	3.40	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3011 Profile: Q100

E.G. Elev (ft)	7071.85	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.38	Wt. n-Val.		0.040	
W.S. Elev (ft)	7071.47	Reach Len. (ft)	26.50	31.00	33.50
Crit W.S. (ft)		Flow Area (sq ft)		59.34	
E.G. Slope (ft/ft)	0.013627	Area (sq ft)		59.34	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	48.54	Top Width (ft)		48.54	
Vel Total (ft/s)	4.94	Avg. Vel. (ft/s)		4.94	
Max Chl Dpth (ft)	1.47	Hydr. Depth (ft)		1.22	
Conv. Total (cfs)	2510.0	Conv. (cfs)		2510.0	
Length Wtd. (ft)	31.00	Wetted Per. (ft)		48.83	
Min Ch El (ft)	7070.00	Shear (lb/sq ft)		1.03	
Alpha	1.00	Stream Power (lb/ft s)		5.10	
Frctn Loss (ft)	0.44	Cum Volume (acre-ft)	0.00	3.31	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.38	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2980.00* Profile: Q100

E.G. Elev (ft)	7071.41	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.39	Wt. n-Val.		0.040	
W.S. Elev (ft)	7071.02	Reach Len. (ft)	26.50	31.00	33.50
Crit W.S. (ft)		Flow Area (sq ft)		58.68	
E.G. Slope (ft/ft)	0.014768	Area (sq ft)		58.68	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	50.21	Top Width (ft)		50.21	
Vel Total (ft/s)	4.99	Avg. Vel. (ft/s)		4.99	
Max Chl Dpth (ft)	1.47	Hydr. Depth (ft)		1.17	
Conv. Total (cfs)	2411.1	Conv. (cfs)		2411.1	
Length Wtd. (ft)	31.00	Wetted Per. (ft)		50.45	
Min Ch El (ft)	7069.55	Shear (lb/sq ft)		1.07	
Alpha	1.00	Stream Power (lb/ft s)		5.35	
Frctn Loss (ft)	0.49	Cum Volume (acre-ft)	0.00	3.26	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.35	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2949.00* Profile: Q100

E.G. Elev (ft)	7070.92	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.41	Wt. n-Val.		0.040	
W.S. Elev (ft)	7070.51	Reach Len. (ft)	26.50	31.00	33.50
Crit W.S. (ft)	7070.39	Flow Area (sq ft)		56.96	
E.G. Slope (ft/ft)	0.016766	Area (sq ft)		56.96	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	51.26	Top Width (ft)		51.26	
Vel Total (ft/s)	5.14	Avg. Vel. (ft/s)		5.14	
Max Chl Dpth (ft)	1.41	Hydr. Depth (ft)		1.11	
Conv. Total (cfs)	2262.8	Conv. (cfs)		2262.8	
Length Wtd. (ft)	31.00	Wetted Per. (ft)		51.50	
Min Ch El (ft)	7069.10	Shear (lb/sq ft)		1.16	
Alpha	1.00	Stream Power (lb/ft s)		5.96	
Frctn Loss (ft)	0.53	Cum Volume (acre-ft)	0.00	3.22	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.31	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2918.00* Profile: Q100

E.G. Elev (ft)	7070.39	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.41	Wt. n-Val.		0.040	
W.S. Elev (ft)	7069.98	Reach Len. (ft)	26.50	31.00	33.50
Crit W.S. (ft)		Flow Area (sq ft)		56.89	
E.G. Slope (ft/ft)	0.017310	Area (sq ft)		56.89	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	52.31	Top Width (ft)		52.31	
Vel Total (ft/s)	5.15	Avg. Vel. (ft/s)		5.15	
Max Chl Dpth (ft)	1.33	Hydr. Depth (ft)		1.09	
Conv. Total (cfs)	2227.0	Conv. (cfs)		2227.0	
Length Wtd. (ft)	31.00	Wetted Per. (ft)		52.58	
Min Ch El (ft)	7068.65	Shear (lb/sq ft)		1.17	
Alpha	1.00	Stream Power (lb/ft s)		6.02	
Frctn Loss (ft)	0.57	Cum Volume (acre-ft)	0.00	3.18	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.27	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2887 Profile: Q100

E.G. Elev (ft)	7069.82	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.44	Wt. n-Val.		0.040	
W.S. Elev (ft)	7069.38	Reach Len. (ft)	31.40	29.40	30.40
Crit W.S. (ft)	7069.32	Flow Area (sq ft)		55.06	
E.G. Slope (ft/ft)	0.019677	Area (sq ft)		55.06	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	52.99	Top Width (ft)		52.99	
Vel Total (ft/s)	5.32	Avg. Vel. (ft/s)		5.32	
Max Chl Dpth (ft)	1.18	Hydr. Depth (ft)		1.04	
Conv. Total (cfs)	2088.8	Conv. (cfs)		2088.8	
Length Wtd. (ft)	29.40	Wetted Per. (ft)		53.36	
Min Ch El (ft)	7068.20	Shear (lb/sq ft)		1.27	
Alpha	1.00	Stream Power (lb/ft s)		6.75	
Frctn Loss (ft)	0.56	Cum Volume (acre-ft)	0.00	3.14	0.05
C & E Loss (ft)	0.03	Cum SA (acres)	0.00	3.24	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2857.60* Profile: Q100

E.G. Elev (ft)	7069.23	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.34	Wt. n-Val.		0.040	
W.S. Elev (ft)	7068.90	Reach Len. (ft)	31.40	29.40	30.40
Crit W.S. (ft)	7068.80	Flow Area (sq ft)		63.10	
E.G. Slope (ft/ft)	0.018186	Area (sq ft)		63.10	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	70.59	Top Width (ft)		70.59	
Vel Total (ft/s)	4.64	Avg. Vel. (ft/s)		4.64	
Max Chl Dpth (ft)	1.14	Hydr. Depth (ft)		0.89	
Conv. Total (cfs)	2172.7	Conv. (cfs)		2172.7	
Length Wtd. (ft)	29.40	Wetted Per. (ft)		70.71	
Min Ch El (ft)	7067.76	Shear (lb/sq ft)		1.01	
Alpha	1.00	Stream Power (lb/ft s)		4.70	
Frctn Loss (ft)	0.53	Cum Volume (acre-ft)	0.00	3.10	0.05
C & E Loss (ft)	0.02	Cum SA (acres)	0.00	3.19	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2828.20* Profile: Q100

E.G. Elev (ft)	7068.69	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.27	Wt. n-Val.		0.040	
W.S. Elev (ft)	7068.42	Reach Len. (ft)	31.40	29.40	30.40
Crit W.S. (ft)		Flow Area (sq ft)		70.49	
E.G. Slope (ft/ft)	0.017588	Area (sq ft)		70.49	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	90.90	Top Width (ft)		90.90	
Vel Total (ft/s)	4.16	Avg. Vel. (ft/s)		4.16	
Max Chl Dpth (ft)	1.10	Hydr. Depth (ft)		0.78	
Conv. Total (cfs)	2209.3	Conv. (cfs)		2209.3	
Length Wtd. (ft)	29.40	Wetted Per. (ft)		90.97	
Min Ch El (ft)	7067.32	Shear (lb/sq ft)		0.85	
Alpha	1.00	Stream Power (lb/ft s)		3.54	
Frctn Loss (ft)	0.53	Cum Volume (acre-ft)	0.00	3.06	0.05
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	3.14	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2798.80* Profile: Q100

E.G. Elev (ft)	7068.15	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.23	Wt. n-Val.		0.040	0.061
W.S. Elev (ft)	7067.92	Reach Len. (ft)	31.40	29.40	30.40
Crit W.S. (ft)		Flow Area (sq ft)		75.53	0.05
E.G. Slope (ft/ft)	0.018272	Area (sq ft)		75.53	0.05
Q Total (cfs)	293.00	Flow (cfs)		292.97	0.03
Top Width (ft)	112.03	Top Width (ft)		111.22	0.81
Vel Total (ft/s)	3.88	Avg. Vel. (ft/s)		3.88	0.54
Max Chl Dpth (ft)	1.03	Hydr. Depth (ft)		0.68	0.07
Conv. Total (cfs)	2167.6	Conv. (cfs)		2167.3	0.2
Length Wtd. (ft)	29.40	Wetted Per. (ft)		111.25	0.82
Min Ch El (ft)	7066.88	Shear (lb/sq ft)		0.77	0.08
Alpha	1.00	Stream Power (lb/ft s)		3.00	0.04
Frctn Loss (ft)	0.51	Cum Volume (acre-ft)	0.00	3.01	0.05
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	3.07	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2769.40* Profile: Q100

E.G. Elev (ft)	7067.62	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.20	Wt. n-Val.		0.040	0.065
W.S. Elev (ft)	7067.43	Reach Len. (ft)	31.40	29.40	30.40
Crit W.S. (ft)		Flow Area (sq ft)		81.70	0.59
E.G. Slope (ft/ft)	0.016781	Area (sq ft)		81.70	0.59
Q Total (cfs)	293.00	Flow (cfs)		292.42	0.58
Top Width (ft)	130.42	Top Width (ft)		127.35	3.07
Vel Total (ft/s)	3.56	Avg. Vel. (ft/s)		3.58	0.98
Max Chl Dpth (ft)	0.98	Hydr. Depth (ft)		0.64	0.19
Conv. Total (cfs)	2261.8	Conv. (cfs)		2257.4	4.5
Length Wtd. (ft)	29.41	Wetted Per. (ft)		127.38	3.10
Min Ch El (ft)	7066.44	Shear (lb/sq ft)		0.67	0.20
Alpha	1.01	Stream Power (lb/ft s)		2.40	0.20
Frctn Loss (ft)	0.54	Cum Volume (acre-ft)	0.00	2.96	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	2.99	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2740 Profile: Q100

E.G. Elev (ft)	7067.09	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.20	Wt. n-Val.		0.040	0.069
W.S. Elev (ft)	7066.89	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		81.26	1.78
E.G. Slope (ft/ft)	0.020114	Area (sq ft)		81.26	1.78
Q Total (cfs)	293.00	Flow (cfs)		290.60	2.40
Top Width (ft)	151.29	Top Width (ft)		145.26	6.03
Vel Total (ft/s)	3.53	Avg. Vel. (ft/s)		3.58	1.35
Max Chl Dpth (ft)	0.89	Hydr. Depth (ft)		0.56	0.29
Conv. Total (cfs)	2066.0	Conv. (cfs)		2049.1	16.9
Length Wtd. (ft)	20.00	Wetted Per. (ft)		145.31	6.06
Min Ch El (ft)	7066.00	Shear (lb/sq ft)		0.70	0.37
Alpha	1.02	Stream Power (lb/ft s)		2.51	0.50
Frctn Loss (ft)	0.41	Cum Volume (acre-ft)	0.00	2.90	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	2.90	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2720.00* Profile: Q100

E.G. Elev (ft)	7066.68	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.21	Wt. n-Val.		0.040	0.069
W.S. Elev (ft)	7066.47	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)	7066.41	Flow Area (sq ft)		78.87	1.72
E.G. Slope (ft/ft)	0.020620	Area (sq ft)		78.87	1.72
Q Total (cfs)	293.00	Flow (cfs)		290.65	2.35
Top Width (ft)	143.18	Top Width (ft)		137.32	5.86
Vel Total (ft/s)	3.64	Avg. Vel. (ft/s)		3.69	1.36
Max Chl Dpth (ft)	0.90	Hydr. Depth (ft)		0.57	0.29
Conv. Total (cfs)	2040.4	Conv. (cfs)		2024.0	16.4
Length Wtd. (ft)	20.00	Wetted Per. (ft)		137.36	5.89
Min Ch El (ft)	7065.57	Shear (lb/sq ft)		0.74	0.38
Alpha	1.02	Stream Power (lb/ft s)		2.72	0.51
Frctn Loss (ft)	0.41	Cum Volume (acre-ft)	0.00	2.86	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	2.83	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2700.00* Profile: Q100

E.G. Elev (ft)	7066.27	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.22	Wt. n-Val.		0.040	0.069
W.S. Elev (ft)	7066.06	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)	7065.99	Flow Area (sq ft)		77.71	1.73
E.G. Slope (ft/ft)	0.020073	Area (sq ft)		77.71	1.73
Q Total (cfs)	293.00	Flow (cfs)		290.63	2.37
Top Width (ft)	135.38	Top Width (ft)		129.68	5.70
Vel Total (ft/s)	3.69	Avg. Vel. (ft/s)		3.74	1.37
Max Chl Dpth (ft)	0.93	Hydr. Depth (ft)		0.60	0.30
Conv. Total (cfs)	2068.0	Conv. (cfs)		2051.4	16.7
Length Wtd. (ft)	20.00	Wetted Per. (ft)		129.72	5.73
Min Ch El (ft)	7065.13	Shear (lb/sq ft)		0.75	0.38
Alpha	1.02	Stream Power (lb/ft s)		2.81	0.52
Frctn Loss (ft)	0.40	Cum Volume (acre-ft)	0.00	2.83	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	2.77	0.08

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2680.00* Profile: Q100

E.G. Elev (ft)	7065.87	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.23	Wt. n-Val.		0.040	0.069
W.S. Elev (ft)	7065.65	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)	7065.58	Flow Area (sq ft)		76.01	1.76
E.G. Slope (ft/ft)	0.020004	Area (sq ft)		76.01	1.76
Q Total (cfs)	293.00	Flow (cfs)		290.55	2.45
Top Width (ft)	128.06	Top Width (ft)		122.44	5.62
Vel Total (ft/s)	3.77	Avg. Vel. (ft/s)		3.82	1.40
Max Chl Dpth (ft)	0.94	Hydr. Depth (ft)		0.62	0.31
Conv. Total (cfs)	2071.6	Conv. (cfs)		2054.3	17.3
Length Wtd. (ft)	20.00	Wetted Per. (ft)		122.47	5.66
Min Ch El (ft)	7064.70	Shear (lb/sq ft)		0.78	0.39
Alpha	1.02	Stream Power (lb/ft s)		2.96	0.54
Frctn Loss (ft)	0.39	Cum Volume (acre-ft)	0.00	2.79	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	2.71	0.08

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2660.00* Profile: Q100

E.G. Elev (ft)	7065.48	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.23	Wt. n-Val.		0.040	0.069
W.S. Elev (ft)	7065.24	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		75.01	1.80
E.G. Slope (ft/ft)	0.019463	Area (sq ft)		75.01	1.80
Q Total (cfs)	293.00	Flow (cfs)		290.47	2.53
Top Width (ft)	121.71	Top Width (ft)		116.11	5.60
Vel Total (ft/s)	3.81	Avg. Vel. (ft/s)		3.87	1.41
Max Chl Dpth (ft)	0.97	Hydr. Depth (ft)		0.65	0.32
Conv. Total (cfs)	2100.2	Conv. (cfs)		2082.0	18.2
Length Wtd. (ft)	20.00	Wetted Per. (ft)		116.14	5.63
Min Ch El (ft)	7064.27	Shear (lb/sq ft)		0.78	0.39
Alpha	1.02	Stream Power (lb/ft s)		3.04	0.55
Frctn Loss (ft)	0.39	Cum Volume (acre-ft)	0.00	2.76	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	2.66	0.08

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2640.00* Profile: Q100

E.G. Elev (ft)	7065.08	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.24	Wt. n-Val.		0.040	0.069
W.S. Elev (ft)	7064.84	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		73.54	1.85
E.G. Slope (ft/ft)	0.019643	Area (sq ft)		73.54	1.85
Q Total (cfs)	293.00	Flow (cfs)		290.30	2.70
Top Width (ft)	116.85	Top Width (ft)		111.35	5.50
Vel Total (ft/s)	3.89	Avg. Vel. (ft/s)		3.95	1.45
Max Chl Dpth (ft)	1.01	Hydr. Depth (ft)		0.66	0.34
Conv. Total (cfs)	2090.6	Conv. (cfs)		2071.3	19.2
Length Wtd. (ft)	20.00	Wetted Per. (ft)		111.38	5.54
Min Ch El (ft)	7063.83	Shear (lb/sq ft)		0.81	0.41
Alpha	1.02	Stream Power (lb/ft s)		3.20	0.60
Frctn Loss (ft)	0.39	Cum Volume (acre-ft)	0.00	2.72	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	2.61	0.08

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2620.00* Profile: Q100

E.G. Elev (ft)	7064.70	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.25	Wt. n-Val.		0.040	0.069
W.S. Elev (ft)	7064.45	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		72.37	1.91
E.G. Slope (ft/ft)	0.019239	Area (sq ft)		72.37	1.91
Q Total (cfs)	293.00	Flow (cfs)		290.19	2.81
Top Width (ft)	110.87	Top Width (ft)		105.40	5.47
Vel Total (ft/s)	3.94	Avg. Vel. (ft/s)		4.01	1.47
Max Chl Dpth (ft)	1.05	Hydr. Depth (ft)		0.69	0.35
Conv. Total (cfs)	2112.4	Conv. (cfs)		2092.1	20.3
Length Wtd. (ft)	20.00	Wetted Per. (ft)		105.43	5.52
Min Ch El (ft)	7063.40	Shear (lb/sq ft)		0.82	0.42
Alpha	1.02	Stream Power (lb/ft s)		3.31	0.61
Frctn Loss (ft)	0.38	Cum Volume (acre-ft)	0.00	2.69	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	2.56	0.07

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2600.00* Profile: Q100

E.G. Elev (ft)	7064.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.26	Wt. n-Val.		0.040	0.069
W.S. Elev (ft)	7064.06	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)	7063.98	Flow Area (sq ft)		70.76	1.98
E.G. Slope (ft/ft)	0.018916	Area (sq ft)		70.76	1.98
Q Total (cfs)	293.00	Flow (cfs)		290.04	2.96
Top Width (ft)	103.87	Top Width (ft)		98.42	5.45
Vel Total (ft/s)	4.03	Avg. Vel. (ft/s)		4.10	1.50
Max Chl Dpth (ft)	1.08	Hydr. Depth (ft)		0.72	0.36
Conv. Total (cfs)	2130.4	Conv. (cfs)		2108.9	21.5
Length Wtd. (ft)	20.00	Wetted Per. (ft)		98.46	5.50
Min Ch El (ft)	7062.97	Shear (lb/sq ft)		0.85	0.42
Alpha	1.03	Stream Power (lb/ft s)		3.48	0.64
Frctn Loss (ft)	0.37	Cum Volume (acre-ft)	0.00	2.66	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	2.51	0.07

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2580.00* Profile: Q100

E.G. Elev (ft)	7063.94	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.27	Wt. n-Val.		0.040	0.069
W.S. Elev (ft)	7063.67	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)	7063.58	Flow Area (sq ft)		69.26	2.08
E.G. Slope (ft/ft)	0.018365	Area (sq ft)		69.26	2.08
Q Total (cfs)	293.00	Flow (cfs)		289.81	3.19
Top Width (ft)	96.75	Top Width (ft)		91.36	5.39
Vel Total (ft/s)	4.11	Avg. Vel. (ft/s)		4.18	1.53
Max Chl Dpth (ft)	1.14	Hydr. Depth (ft)		0.76	0.39
Conv. Total (cfs)	2162.1	Conv. (cfs)		2138.6	23.5
Length Wtd. (ft)	20.00	Wetted Per. (ft)		91.41	5.45
Min Ch El (ft)	7062.53	Shear (lb/sq ft)		0.87	0.44
Alpha	1.03	Stream Power (lb/ft s)		3.64	0.67
Frctn Loss (ft)	0.36	Cum Volume (acre-ft)	0.00	2.63	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	2.47	0.07

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2560.00* Profile: Q100

E.G. Elev (ft)	7063.58	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.28	Wt. n-Val.		0.040	0.069
W.S. Elev (ft)	7063.30	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		67.70	2.22
E.G. Slope (ft/ft)	0.017788	Area (sq ft)		67.70	2.22
Q Total (cfs)	293.00	Flow (cfs)		289.49	3.51
Top Width (ft)	89.74	Top Width (ft)		84.37	5.38
Vel Total (ft/s)	4.19	Avg. Vel. (ft/s)		4.28	1.58
Max Chl Dpth (ft)	1.20	Hydr. Depth (ft)		0.80	0.41
Conv. Total (cfs)	2196.9	Conv. (cfs)		2170.6	26.3
Length Wtd. (ft)	20.00	Wetted Per. (ft)		84.43	5.44
Min Ch El (ft)	7062.10	Shear (lb/sq ft)		0.89	0.45
Alpha	1.03	Stream Power (lb/ft s)		3.81	0.72
Frctn Loss (ft)	0.35	Cum Volume (acre-ft)	0.00	2.59	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	2.43	0.07

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2540.00* Profile: Q100

E.G. Elev (ft)	7063.22	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.30	Wt. n-Val.		0.040	0.069
W.S. Elev (ft)	7062.93	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		65.64	2.38
E.G. Slope (ft/ft)	0.017488	Area (sq ft)		65.64	2.38
Q Total (cfs)	293.00	Flow (cfs)		289.01	3.99
Top Width (ft)	82.46	Top Width (ft)		77.29	5.18
Vel Total (ft/s)	4.31	Avg. Vel. (ft/s)		4.40	1.68
Max Chl Dpth (ft)	1.26	Hydr. Depth (ft)		0.85	0.46
Conv. Total (cfs)	2215.6	Conv. (cfs)		2185.4	30.2
Length Wtd. (ft)	20.00	Wetted Per. (ft)		77.36	5.25
Min Ch El (ft)	7061.67	Shear (lb/sq ft)		0.93	0.49
Alpha	1.03	Stream Power (lb/ft s)		4.08	0.83
Frctn Loss (ft)	0.31	Cum Volume (acre-ft)	0.00	2.56	0.04
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	2.39	0.06

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2520.00* Profile: Q100

E.G. Elev (ft)	7062.91	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.27	Wt. n-Val.		0.040	0.069
W.S. Elev (ft)	7062.64	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		68.25	2.88
E.G. Slope (ft/ft)	0.013466	Area (sq ft)		68.25	2.88
Q Total (cfs)	293.00	Flow (cfs)		288.14	4.86
Top Width (ft)	75.40	Top Width (ft)		70.30	5.09
Vel Total (ft/s)	4.12	Avg. Vel. (ft/s)		4.22	1.69
Max Chl Dpth (ft)	1.41	Hydr. Depth (ft)		0.97	0.57
Conv. Total (cfs)	2524.9	Conv. (cfs)		2483.0	41.9
Length Wtd. (ft)	20.00	Wetted Per. (ft)		70.41	5.21
Min Ch El (ft)	7061.23	Shear (lb/sq ft)		0.81	0.47
Alpha	1.04	Stream Power (lb/ft s)		3.44	0.78
Frctn Loss (ft)	0.34	Cum Volume (acre-ft)	0.00	2.53	0.04
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	2.36	0.06

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2500 Profile: Q100

E.G. Elev (ft)	7062.55	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.41	Wt. n-Val.		0.040	0.069
W.S. Elev (ft)	7062.15	Reach Len. (ft)	28.67	29.00	29.33
Crit W.S. (ft)	7062.13	Flow Area (sq ft)		55.77	2.36
E.G. Slope (ft/ft)	0.022564	Area (sq ft)		55.77	2.36
Q Total (cfs)	293.00	Flow (cfs)		288.16	4.84
Top Width (ft)	67.03	Top Width (ft)		62.46	4.58
Vel Total (ft/s)	5.04	Avg. Vel. (ft/s)		5.17	2.05
Max Chl Dpth (ft)	1.34	Hydr. Depth (ft)		0.89	0.52
Conv. Total (cfs)	1950.6	Conv. (cfs)		1918.4	32.2
Length Wtd. (ft)	29.01	Wetted Per. (ft)		62.58	4.69
Min Ch El (ft)	7060.80	Shear (lb/sq ft)		1.26	0.71
Alpha	1.04	Stream Power (lb/ft s)		6.49	1.45
Frctn Loss (ft)	0.65	Cum Volume (acre-ft)	0.00	2.50	0.04
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	2.33	0.06

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2471.00* Profile: Q100

E.G. Elev (ft)	7061.90	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.38	Wt. n-Val.		0.040	0.069
W.S. Elev (ft)	7061.51	Reach Len. (ft)	28.67	29.00	29.33
Crit W.S. (ft)	7061.49	Flow Area (sq ft)		57.61	2.35
E.G. Slope (ft/ft)	0.022120	Area (sq ft)		57.61	2.35
Q Total (cfs)	293.00	Flow (cfs)		288.09	4.91
Top Width (ft)	71.14	Top Width (ft)		66.83	4.31
Vel Total (ft/s)	4.89	Avg. Vel. (ft/s)		5.00	2.09
Max Chl Dpth (ft)	1.36	Hydr. Depth (ft)		0.86	0.54
Conv. Total (cfs)	1970.0	Conv. (cfs)		1937.0	33.0
Length Wtd. (ft)	29.01	Wetted Per. (ft)		66.92	4.44
Min Ch El (ft)	7060.15	Shear (lb/sq ft)		1.19	0.73
Alpha	1.03	Stream Power (lb/ft s)		5.95	1.53
Frctn Loss (ft)	0.64	Cum Volume (acre-ft)	0.00	2.47	0.04
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	2.28	0.06

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2442.00* Profile: Q100

E.G. Elev (ft)	7061.25	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.36	Wt. n-Val.		0.040	0.069
W.S. Elev (ft)	7060.89	Reach Len. (ft)	28.67	29.00	29.33
Crit W.S. (ft)	7060.84	Flow Area (sq ft)		59.14	2.32
E.G. Slope (ft/ft)	0.022023	Area (sq ft)		59.14	2.32
Q Total (cfs)	293.00	Flow (cfs)		288.00	5.00
Top Width (ft)	75.21	Top Width (ft)		71.17	4.04
Vel Total (ft/s)	4.77	Avg. Vel. (ft/s)		4.87	2.15
Max Chl Dpth (ft)	1.39	Hydr. Depth (ft)		0.83	0.57
Conv. Total (cfs)	1974.4	Conv. (cfs)		1940.7	33.7
Length Wtd. (ft)	29.01	Wetted Per. (ft)		71.24	4.19
Min Ch El (ft)	7059.50	Shear (lb/sq ft)		1.14	0.76
Alpha	1.03	Stream Power (lb/ft s)		5.56	1.64
Frctn Loss (ft)	0.62	Cum Volume (acre-ft)	0.00	2.43	0.03
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	2.24	0.05

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2413.00* Profile: Q100

E.G. Elev (ft)	7060.61	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.34	Wt. n-Val.		0.040	0.069
W.S. Elev (ft)	7060.28	Reach Len. (ft)	28.67	29.00	29.33
Crit W.S. (ft)	7060.23	Flow Area (sq ft)		61.45	2.39
E.G. Slope (ft/ft)	0.021006	Area (sq ft)		61.45	2.39
Q Total (cfs)	293.00	Flow (cfs)		287.71	5.29
Top Width (ft)	79.52	Top Width (ft)		75.70	3.82
Vel Total (ft/s)	4.59	Avg. Vel. (ft/s)		4.68	2.21
Max Chl Dpth (ft)	1.43	Hydr. Depth (ft)		0.81	0.62
Conv. Total (cfs)	2021.6	Conv. (cfs)		1985.1	36.5
Length Wtd. (ft)	29.01	Wetted Per. (ft)		75.77	4.00
Min Ch El (ft)	7058.85	Shear (lb/sq ft)		1.06	0.78
Alpha	1.03	Stream Power (lb/ft s)		4.98	1.73
Frctn Loss (ft)	0.63	Cum Volume (acre-ft)	0.00	2.39	0.03
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	2.19	0.05

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2384.00* Profile: Q100

E.G. Elev (ft)	7059.98	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.34	Wt. n-Val.		0.040	0.069
W.S. Elev (ft)	7059.64	Reach Len. (ft)	28.67	29.00	29.33
Crit W.S. (ft)	7059.60	Flow Area (sq ft)		61.35	2.34
E.G. Slope (ft/ft)	0.022688	Area (sq ft)		61.35	2.34
Q Total (cfs)	293.00	Flow (cfs)		287.48	5.52
Top Width (ft)	83.54	Top Width (ft)		79.99	3.56
Vel Total (ft/s)	4.60	Avg. Vel. (ft/s)		4.69	2.36
Max Chl Dpth (ft)	1.44	Hydr. Depth (ft)		0.77	0.66
Conv. Total (cfs)	1945.2	Conv. (cfs)		1908.6	36.6
Length Wtd. (ft)	29.01	Wetted Per. (ft)		80.06	3.77
Min Ch El (ft)	7058.20	Shear (lb/sq ft)		1.09	0.88
Alpha	1.02	Stream Power (lb/ft s)		5.09	2.07
Frctn Loss (ft)	0.59	Cum Volume (acre-ft)	0.00	2.35	0.03
C & E Loss (ft)	0.02	Cum SA (acres)	0.00	2.14	0.05

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2355.00* Profile: Q100

E.G. Elev (ft)	7059.37	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.28	Wt. n-Val.		0.040	0.069
W.S. Elev (ft)	7059.09	Reach Len. (ft)	28.67	29.00	29.33
Crit W.S. (ft)		Flow Area (sq ft)		67.01	2.54
E.G. Slope (ft/ft)	0.018545	Area (sq ft)		67.01	2.54
Q Total (cfs)	293.00	Flow (cfs)		287.20	5.80
Top Width (ft)	89.25	Top Width (ft)		85.84	3.41
Vel Total (ft/s)	4.21	Avg. Vel. (ft/s)		4.29	2.29
Max Chl Dpth (ft)	1.54	Hydr. Depth (ft)		0.78	0.75
Conv. Total (cfs)	2151.6	Conv. (cfs)		2108.9	42.6
Length Wtd. (ft)	29.01	Wetted Per. (ft)		85.93	3.68
Min Ch El (ft)	7057.55	Shear (lb/sq ft)		0.90	0.80
Alpha	1.02	Stream Power (lb/ft s)		3.87	1.82
Frctn Loss (ft)	0.62	Cum Volume (acre-ft)	0.00	2.30	0.03
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	2.08	0.05

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2326 Profile: Q100

E.G. Elev (ft)	7058.74	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.33	Wt. n-Val.		0.040	0.069
W.S. Elev (ft)	7058.41	Reach Len. (ft)	21.60	27.80	28.00
Crit W.S. (ft)	7058.39	Flow Area (sq ft)		62.17	2.32
E.G. Slope (ft/ft)	0.025221	Area (sq ft)		62.17	2.32
Q Total (cfs)	293.00	Flow (cfs)		286.83	6.17
Top Width (ft)	92.86	Top Width (ft)		89.78	3.08
Vel Total (ft/s)	4.54	Avg. Vel. (ft/s)		4.61	2.66
Max Chl Dpth (ft)	1.51	Hydr. Depth (ft)		0.69	0.75
Conv. Total (cfs)	1844.9	Conv. (cfs)		1806.1	38.8
Length Wtd. (ft)	27.80	Wetted Per. (ft)		89.88	3.40
Min Ch El (ft)	7056.90	Shear (lb/sq ft)		1.09	1.08
Alpha	1.02	Stream Power (lb/ft s)		5.02	2.86
Frctn Loss (ft)	0.64	Cum Volume (acre-ft)	0.00	2.26	0.03
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	2.02	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2298.20* Profile: Q100

E.G. Elev (ft)	7058.09	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.31	Wt. n-Val.		0.040	0.069
W.S. Elev (ft)	7057.78	Reach Len. (ft)	21.60	27.80	28.00
Crit W.S. (ft)	7057.72	Flow Area (sq ft)		63.29	3.13
E.G. Slope (ft/ft)	0.021226	Area (sq ft)		63.29	3.13
Q Total (cfs)	293.00	Flow (cfs)		285.25	7.75
Top Width (ft)	87.46	Top Width (ft)		83.20	4.26
Vel Total (ft/s)	4.41	Avg. Vel. (ft/s)		4.51	2.47
Max Chl Dpth (ft)	1.46	Hydr. Depth (ft)		0.76	0.74
Conv. Total (cfs)	2011.1	Conv. (cfs)		1957.9	53.2
Length Wtd. (ft)	27.81	Wetted Per. (ft)		83.28	4.48
Min Ch El (ft)	7056.32	Shear (lb/sq ft)		1.01	0.93
Alpha	1.02	Stream Power (lb/ft s)		4.54	2.29
Frctn Loss (ft)	0.64	Cum Volume (acre-ft)	0.00	2.22	0.03
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	1.97	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2270.40* Profile: Q100

E.G. Elev (ft)	7057.44	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.37	Wt. n-Val.		0.040	0.069
W.S. Elev (ft)	7057.08	Reach Len. (ft)	21.60	27.80	28.00
Crit W.S. (ft)	7057.06	Flow Area (sq ft)		57.63	3.71
E.G. Slope (ft/ft)	0.024966	Area (sq ft)		57.63	3.71
Q Total (cfs)	293.00	Flow (cfs)		283.35	9.65
Top Width (ft)	80.52	Top Width (ft)		75.10	5.42
Vel Total (ft/s)	4.78	Avg. Vel. (ft/s)		4.92	2.60
Max Chl Dpth (ft)	1.34	Hydr. Depth (ft)		0.77	0.69
Conv. Total (cfs)	1854.4	Conv. (cfs)		1793.3	61.1
Length Wtd. (ft)	27.81	Wetted Per. (ft)		75.16	5.56
Min Ch El (ft)	7055.74	Shear (lb/sq ft)		1.20	1.04
Alpha	1.03	Stream Power (lb/ft s)		5.88	2.70
Frctn Loss (ft)	0.61	Cum Volume (acre-ft)	0.00	2.18	0.02
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	1.92	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2242.60* Profile: Q100

E.G. Elev (ft)	7056.82	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.34	Wt. n-Val.		0.040	0.069
W.S. Elev (ft)	7056.49	Reach Len. (ft)	21.60	27.80	28.00
Crit W.S. (ft)	7056.41	Flow Area (sq ft)		59.48	5.06
E.G. Slope (ft/ft)	0.019356	Area (sq ft)		59.48	5.06
Q Total (cfs)	293.00	Flow (cfs)		280.98	12.02
Top Width (ft)	75.02	Top Width (ft)		67.99	7.03
Vel Total (ft/s)	4.54	Avg. Vel. (ft/s)		4.72	2.38
Max Chl Dpth (ft)	1.33	Hydr. Depth (ft)		0.87	0.72
Conv. Total (cfs)	2106.0	Conv. (cfs)		2019.6	86.4
Length Wtd. (ft)	27.81	Wetted Per. (ft)		68.06	7.15
Min Ch EI (ft)	7055.16	Shear (lb/sq ft)		1.06	0.85
Alpha	1.05	Stream Power (lb/ft s)		4.99	2.03
Frctn Loss (ft)	0.61	Cum Volume (acre-ft)	0.00	2.14	0.02
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	1.87	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2214.80* Profile: Q100

E.G. Elev (ft)	7056.20	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.43	Wt. n-Val.		0.040	0.069
W.S. Elev (ft)	7055.78	Reach Len. (ft)	21.60	27.80	28.00
Crit W.S. (ft)	7055.78	Flow Area (sq ft)		52.01	5.72
E.G. Slope (ft/ft)	0.025152	Area (sq ft)		52.01	5.72
Q Total (cfs)	293.00	Flow (cfs)		277.99	15.01
Top Width (ft)	68.53	Top Width (ft)		60.11	8.41
Vel Total (ft/s)	5.07	Avg. Vel. (ft/s)		5.34	2.62
Max Chl Dpth (ft)	1.20	Hydr. Depth (ft)		0.87	0.68
Conv. Total (cfs)	1847.5	Conv. (cfs)		1752.8	94.7
Length Wtd. (ft)	27.81	Wetted Per. (ft)		60.19	8.50
Min Ch EI (ft)	7054.58	Shear (lb/sq ft)		1.36	1.06
Alpha	1.07	Stream Power (lb/ft s)		7.25	2.77
Frctn Loss (ft)	0.49	Cum Volume (acre-ft)	0.00	2.11	0.02
C & E Loss (ft)	0.04	Cum SA (acres)	0.00	1.83	0.03

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning:	During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2187 Profile: Q100

E.G. Elev (ft)	7055.66	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.31	Wt. n-Val.		0.040	0.069
W.S. Elev (ft)	7055.35	Reach Len. (ft)	30.40	28.40	26.60
Crit W.S. (ft)	7055.15	Flow Area (sq ft)		59.44	9.42
E.G. Slope (ft/ft)	0.013159	Area (sq ft)		59.44	9.42
Q Total (cfs)	293.00	Flow (cfs)		272.47	20.53
Top Width (ft)	64.37	Top Width (ft)		53.11	11.26
Vel Total (ft/s)	4.26	Avg. Vel. (ft/s)		4.58	2.18
Max Chl Dpth (ft)	1.35	Hydr. Depth (ft)		1.12	0.84
Conv. Total (cfs)	2554.3	Conv. (cfs)		2375.2	179.0
Length Wtd. (ft)	28.30	Wetted Per. (ft)		53.27	11.36
Min Ch EI (ft)	7054.00	Shear (lb/sq ft)		0.92	0.68

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2187 Profile: Q100 (Continued)

Alpha	1.10	Stream Power (lb/ft s)		4.20	1.48
Frctn Loss (ft)	0.38	Cum Volume (acre-ft)	0.00	2.07	0.01
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	1.79	0.02

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2158.60* Profile: Q100

E.G. Elev (ft)	7055.28	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.32	Wt. n-Val.		0.040	0.069
W.S. Elev (ft)	7054.96	Reach Len. (ft)	30.40	28.40	26.60
Crit W.S. (ft)		Flow Area (sq ft)		60.58	6.75
E.G. Slope (ft/ft)	0.013844	Area (sq ft)		60.58	6.75
Q Total (cfs)	293.00	Flow (cfs)		280.28	12.72
Top Width (ft)	65.96	Top Width (ft)		55.52	10.44
Vel Total (ft/s)	4.35	Avg. Vel. (ft/s)		4.63	1.88
Max Chl Dpth (ft)	1.36	Hydr. Depth (ft)		1.09	0.65
Conv. Total (cfs)	2490.2	Conv. (cfs)		2382.1	108.1
Length Wtd. (ft)	28.34	Wetted Per. (ft)		55.64	10.53
Min Ch El (ft)	7053.60	Shear (lb/sq ft)		0.94	0.55
Alpha	1.09	Stream Power (lb/ft s)		4.35	1.04
Frctn Loss (ft)	0.40	Cum Volume (acre-ft)	0.00	2.03	0.01
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	1.76	0.02

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2130.20* Profile: Q100

E.G. Elev (ft)	7054.88	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.32	Wt. n-Val.		0.040	0.069
W.S. Elev (ft)	7054.55	Reach Len. (ft)	30.40	28.40	26.60
Crit W.S. (ft)		Flow Area (sq ft)		62.31	3.77
E.G. Slope (ft/ft)	0.014341	Area (sq ft)		62.31	3.77
Q Total (cfs)	293.00	Flow (cfs)		287.37	5.63
Top Width (ft)	67.39	Top Width (ft)		58.95	8.44
Vel Total (ft/s)	4.43	Avg. Vel. (ft/s)		4.61	1.50
Max Chl Dpth (ft)	1.35	Hydr. Depth (ft)		1.06	0.45
Conv. Total (cfs)	2446.7	Conv. (cfs)		2399.7	47.0
Length Wtd. (ft)	28.37	Wetted Per. (ft)		59.03	8.52
Min Ch El (ft)	7053.20	Shear (lb/sq ft)		0.95	0.40
Alpha	1.06	Stream Power (lb/ft s)		4.36	0.59
Frctn Loss (ft)	0.41	Cum Volume (acre-ft)	0.00	1.99	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	1.72	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2101.80* Profile: Q100

E.G. Elev (ft)	7054.46	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.32	Wt. n-Val.		0.040	0.069
W.S. Elev (ft)	7054.14	Reach Len. (ft)	30.40	28.40	26.60
Crit W.S. (ft)		Flow Area (sq ft)		63.56	2.29
E.G. Slope (ft/ft)	0.014630	Area (sq ft)		63.56	2.29
Q Total (cfs)	293.00	Flow (cfs)		289.47	3.53
Top Width (ft)	67.15	Top Width (ft)		62.24	4.91
Vel Total (ft/s)	4.45	Avg. Vel. (ft/s)		4.55	1.54
Max Chl Dpth (ft)	1.34	Hydr. Depth (ft)		1.02	0.47
Conv. Total (cfs)	2422.4	Conv. (cfs)		2393.3	29.2
Length Wtd. (ft)	28.38	Wetted Per. (ft)		62.29	5.02
Min Ch El (ft)	7052.80	Shear (lb/sq ft)		0.93	0.42
Alpha	1.04	Stream Power (lb/ft s)		4.24	0.64
Frctn Loss (ft)	0.40	Cum Volume (acre-ft)	0.00	1.95	0.00

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2101.80* Profile: Q100 (Continued)

C & E Loss (ft)	0.01	Cum SA (acres)	0.00	1.68	0.01
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2073.40* Profile: Q100

E.G. Elev (ft)	7054.06	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.30	Wt. n-Val.		0.040	0.069
W.S. Elev (ft)	7053.76	Reach Len. (ft)	30.40	28.40	26.60
Crit W.S. (ft)		Flow Area (sq ft)		66.23	1.85
E.G. Slope (ft/ft)	0.013541	Area (sq ft)		66.23	1.85
Q Total (cfs)	293.00	Flow (cfs)		290.25	2.75
Top Width (ft)	68.76	Top Width (ft)		64.83	3.93
Vel Total (ft/s)	4.30	Avg. Vel. (ft/s)		4.38	1.49
Max Chl Dpth (ft)	1.36	Hydr. Depth (ft)		1.02	0.47
Conv. Total (cfs)	2517.9	Conv. (cfs)		2494.2	23.6
Length Wtd. (ft)	28.39	Wetted Per. (ft)		64.89	4.04
Min Ch El (ft)	7052.40	Shear (lb/sq ft)		0.86	0.39
Alpha	1.03	Stream Power (lb/ft s)		3.78	0.58
Frctn Loss (ft)	0.45	Cum Volume (acre-ft)	0.00	1.91	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	1.64	0.00

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2045 Profile: Q100

E.G. Elev (ft)	7053.60	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.34	Wt. n-Val.		0.040	
W.S. Elev (ft)	7053.26	Reach Len. (ft)	35.80	29.20	28.80
Crit W.S. (ft)	7053.18	Flow Area (sq ft)		62.43	
E.G. Slope (ft/ft)	0.018589	Area (sq ft)		62.43	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	69.83	Top Width (ft)		69.83	
Vel Total (ft/s)	4.69	Avg. Vel. (ft/s)		4.69	
Max Chl Dpth (ft)	1.26	Hydr. Depth (ft)		0.89	
Conv. Total (cfs)	2149.0	Conv. (cfs)		2149.0	
Length Wtd. (ft)	29.20	Wetted Per. (ft)		69.99	
Min Ch El (ft)	7052.00	Shear (lb/sq ft)		1.04	
Alpha	1.00	Stream Power (lb/ft s)		4.86	
Frctn Loss (ft)	0.54	Cum Volume (acre-ft)	0.00	1.87	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	1.60	0.00

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2015.80* Profile: Q100

E.G. Elev (ft)	7053.06	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.34	Wt. n-Val.		0.040	
W.S. Elev (ft)	7052.72	Reach Len. (ft)	35.80	29.20	28.80
Crit W.S. (ft)	7052.63	Flow Area (sq ft)		62.89	
E.G. Slope (ft/ft)	0.018688	Area (sq ft)		62.89	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	71.45	Top Width (ft)		71.45	
Vel Total (ft/s)	4.66	Avg. Vel. (ft/s)		4.66	
Max Chl Dpth (ft)	1.26	Hydr. Depth (ft)		0.88	
Conv. Total (cfs)	2143.3	Conv. (cfs)		2143.3	
Length Wtd. (ft)	29.20	Wetted Per. (ft)		71.58	
Min Ch El (ft)	7051.46	Shear (lb/sq ft)		1.03	
Alpha	1.00	Stream Power (lb/ft s)		4.78	
Frctn Loss (ft)	0.54	Cum Volume (acre-ft)	0.00	1.83	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	1.55	0.00

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1986.60* Profile: Q100

E.G. Elev (ft)	7052.52	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.33	Wt. n-Val.		0.040	
W.S. Elev (ft)	7052.19	Reach Len. (ft)	35.80	29.20	28.80
Crit W.S. (ft)		Flow Area (sq ft)		63.54	
E.G. Slope (ft/ft)	0.018557	Area (sq ft)		63.54	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	72.96	Top Width (ft)		72.96	
Vel Total (ft/s)	4.61	Avg. Vel. (ft/s)		4.61	
Max Chl Dpth (ft)	1.27	Hydr. Depth (ft)		0.87	
Conv. Total (cfs)	2150.8	Conv. (cfs)		2150.8	
Length Wtd. (ft)	29.20	Wetted Per. (ft)		73.06	
Min Ch El (ft)	7050.92	Shear (lb/sq ft)		1.01	
Alpha	1.00	Stream Power (lb/ft s)		4.65	
Frctn Loss (ft)	0.54	Cum Volume (acre-ft)	0.00	1.78	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	1.50	0.00

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1957.40* Profile: Q100

E.G. Elev (ft)	7051.97	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.33	Wt. n-Val.		0.040	
W.S. Elev (ft)	7051.64	Reach Len. (ft)	35.80	29.20	28.80
Crit W.S. (ft)	7051.56	Flow Area (sq ft)		63.73	
E.G. Slope (ft/ft)	0.018750	Area (sq ft)		63.73	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	74.07	Top Width (ft)		74.07	
Vel Total (ft/s)	4.60	Avg. Vel. (ft/s)		4.60	
Max Chl Dpth (ft)	1.26	Hydr. Depth (ft)		0.86	
Conv. Total (cfs)	2139.8	Conv. (cfs)		2139.8	
Length Wtd. (ft)	29.20	Wetted Per. (ft)		74.16	
Min Ch El (ft)	7050.38	Shear (lb/sq ft)		1.01	
Alpha	1.00	Stream Power (lb/ft s)		4.62	
Frctn Loss (ft)	0.54	Cum Volume (acre-ft)	0.00	1.74	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	1.45	0.00

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1928.20* Profile: Q100

E.G. Elev (ft)	7051.43	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.32	Wt. n-Val.		0.040	
W.S. Elev (ft)	7051.11	Reach Len. (ft)	35.80	29.20	28.80
Crit W.S. (ft)	7051.02	Flow Area (sq ft)		64.37	
E.G. Slope (ft/ft)	0.018425	Area (sq ft)		64.37	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	74.94	Top Width (ft)		74.94	
Vel Total (ft/s)	4.55	Avg. Vel. (ft/s)		4.55	
Max Chl Dpth (ft)	1.27	Hydr. Depth (ft)		0.86	
Conv. Total (cfs)	2158.6	Conv. (cfs)		2158.6	
Length Wtd. (ft)	29.20	Wetted Per. (ft)		75.04	
Min Ch El (ft)	7049.84	Shear (lb/sq ft)		0.99	
Alpha	1.00	Stream Power (lb/ft s)		4.49	
Frctn Loss (ft)	0.55	Cum Volume (acre-ft)	0.00	1.70	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	1.40	0.00

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1899 Profile: Q100

E.G. Elev (ft)	7050.88	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.33	Wt. n-Val.		0.040	
W.S. Elev (ft)	7050.54	Reach Len. (ft)	45.67	43.00	43.67
Crit W.S. (ft)	7050.47	Flow Area (sq ft)		63.29	
E.G. Slope (ft/ft)	0.019448	Area (sq ft)		63.29	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	74.81	Top Width (ft)		74.81	
Vel Total (ft/s)	4.63	Avg. Vel. (ft/s)		4.63	
Max Chl Dpth (ft)	1.24	Hydr. Depth (ft)		0.85	
Conv. Total (cfs)	2101.0	Conv. (cfs)		2101.0	
Length Wtd. (ft)	43.00	Wetted Per. (ft)		74.91	
Min Ch El (ft)	7049.30	Shear (lb/sq ft)		1.03	
Alpha	1.00	Stream Power (lb/ft s)		4.75	
Frctn Loss (ft)	0.89	Cum Volume (acre-ft)	0.00	1.66	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	1.35	0.00

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1856.00* Profile: Q100

E.G. Elev (ft)	7049.98	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.37	Wt. n-Val.		0.040	
W.S. Elev (ft)	7049.61	Reach Len. (ft)	45.67	43.00	43.67
Crit W.S. (ft)	7049.57	Flow Area (sq ft)		60.18	
E.G. Slope (ft/ft)	0.021903	Area (sq ft)		60.18	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	72.13	Top Width (ft)		72.13	
Vel Total (ft/s)	4.87	Avg. Vel. (ft/s)		4.87	
Max Chl Dpth (ft)	1.24	Hydr. Depth (ft)		0.83	
Conv. Total (cfs)	1979.8	Conv. (cfs)		1979.8	
Length Wtd. (ft)	43.00	Wetted Per. (ft)		72.20	
Min Ch El (ft)	7048.37	Shear (lb/sq ft)		1.14	
Alpha	1.00	Stream Power (lb/ft s)		5.55	
Frctn Loss (ft)	0.94	Cum Volume (acre-ft)	0.00	1.60	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	1.28	0.00

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1813.00* Profile: Q100

E.G. Elev (ft)	7049.04	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.39	Wt. n-Val.		0.040	
W.S. Elev (ft)	7048.64	Reach Len. (ft)	45.67	43.00	43.67
Crit W.S. (ft)	7048.60	Flow Area (sq ft)		58.16	
E.G. Slope (ft/ft)	0.021620	Area (sq ft)		58.16	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	65.56	Top Width (ft)		65.56	
Vel Total (ft/s)	5.04	Avg. Vel. (ft/s)		5.04	
Max Chl Dpth (ft)	1.21	Hydr. Depth (ft)		0.89	
Conv. Total (cfs)	1992.7	Conv. (cfs)		1992.7	
Length Wtd. (ft)	43.00	Wetted Per. (ft)		65.67	
Min Ch El (ft)	7047.43	Shear (lb/sq ft)		1.20	
Alpha	1.00	Stream Power (lb/ft s)		6.02	
Frctn Loss (ft)	0.99	Cum Volume (acre-ft)	0.00	1.54	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	1.21	0.00

Errors Warnings and Notes

Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1770 Profile: Q100

E.G. Elev (ft)	7048.03	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.43	Wt. n-Val.		0.040	
W.S. Elev (ft)	7047.60	Reach Len. (ft)	45.75	45.25	62.75
Crit W.S. (ft)	7047.60	Flow Area (sq ft)		55.58	
E.G. Slope (ft/ft)	0.024729	Area (sq ft)		55.58	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	64.65	Top Width (ft)		64.65	
Vel Total (ft/s)	5.27	Avg. Vel. (ft/s)		5.27	
Max Chl Dpth (ft)	1.10	Hydr. Depth (ft)		0.86	
Conv. Total (cfs)	1863.2	Conv. (cfs)		1863.2	
Length Wtd. (ft)	45.25	Wetted Per. (ft)		64.82	
Min Ch El (ft)	7046.50	Shear (lb/sq ft)		1.32	
Alpha	1.00	Stream Power (lb/ft s)		6.98	
Frctn Loss (ft)	1.13	Cum Volume (acre-ft)	0.00	1.48	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	1.15	0.00

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning:	During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1724.75* Profile: Q100

E.G. Elev (ft)	7046.91	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.43	Wt. n-Val.		0.040	
W.S. Elev (ft)	7046.47	Reach Len. (ft)	45.75	45.25	62.75
Crit W.S. (ft)	7046.47	Flow Area (sq ft)		55.55	
E.G. Slope (ft/ft)	0.025335	Area (sq ft)		55.55	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	65.79	Top Width (ft)		65.79	
Vel Total (ft/s)	5.27	Avg. Vel. (ft/s)		5.27	
Max Chl Dpth (ft)	1.09	Hydr. Depth (ft)		0.84	
Conv. Total (cfs)	1840.8	Conv. (cfs)		1840.8	
Length Wtd. (ft)	45.25	Wetted Per. (ft)		65.93	
Min Ch El (ft)	7045.38	Shear (lb/sq ft)		1.33	
Alpha	1.00	Stream Power (lb/ft s)		7.03	
Frctn Loss (ft)	1.15	Cum Volume (acre-ft)	0.00	1.42	0.00
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	1.08	0.00

Errors Warnings and Notes

Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Note:	Program found supercritical flow starting at this cross section.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1679.50* Profile: Q100

E.G. Elev (ft)	7045.77	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.43	Wt. n-Val.		0.040	
W.S. Elev (ft)	7045.34	Reach Len. (ft)	45.75	45.25	62.75
Crit W.S. (ft)	7045.36	Flow Area (sq ft)		55.84	
E.G. Slope (ft/ft)	0.027800	Area (sq ft)		55.84	
Q Total (cfs)	293.00	Flow (cfs)		293.00	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1679.50* Profile: Q100 (Continued)

Top Width (ft)	71.51	Top Width (ft)		71.51	
Vel Total (ft/s)	5.25	Avg. Vel. (ft/s)		5.25	
Max Chl Dpth (ft)	1.09	Hydr. Depth (ft)		0.78	
Conv. Total (cfs)	1757.3	Conv. (cfs)		1757.3	
Length Wtd. (ft)	45.25	Wetted Per. (ft)		71.62	
Min Ch El (ft)	7044.25	Shear (lb/sq ft)		1.35	
Alpha	1.00	Stream Power (lb/ft s)		7.10	
Frctn Loss (ft)	0.95	Cum Volume (acre-ft)	0.00	1.37	0.00
C & E Loss (ft)	0.03	Cum SA (acres)	0.00	1.01	0.00

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program selected the water surface that had the least amount of error between computed and assumed values.
Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1634.25* Profile: Q100

E.G. Elev (ft)	7044.60	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.31	Wt. n-Val.		0.040	
W.S. Elev (ft)	7044.30	Reach Len. (ft)	45.75	45.25	62.75
Crit W.S. (ft)	7044.20	Flow Area (sq ft)		66.11	
E.G. Slope (ft/ft)	0.017651	Area (sq ft)		66.11	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	77.54	Top Width (ft)		77.54	
Vel Total (ft/s)	4.43	Avg. Vel. (ft/s)		4.43	
Max Chl Dpth (ft)	1.18	Hydr. Depth (ft)		0.85	
Conv. Total (cfs)	2205.4	Conv. (cfs)		2205.4	
Length Wtd. (ft)	45.25	Wetted Per. (ft)		77.69	
Min Ch El (ft)	7043.12	Shear (lb/sq ft)		0.94	
Alpha	1.00	Stream Power (lb/ft s)		4.16	
Frctn Loss (ft)	0.74	Cum Volume (acre-ft)	0.00	1.30	0.00
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	0.93	0.00

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Note:	Hydraulic jump has occurred between this cross section and the previous upstream section.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1589 Profile: Q100

E.G. Elev (ft)	7043.86	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.40	Wt. n-Val.		0.040	
W.S. Elev (ft)	7043.46	Reach Len. (ft)	32.43	33.57	31.14
Crit W.S. (ft)		Flow Area (sq ft)		94.60	
E.G. Slope (ft/ft)	0.015476	Area (sq ft)		94.60	
Q Total (cfs)	479.00	Flow (cfs)		479.00	
Top Width (ft)	82.19	Top Width (ft)		82.19	
Vel Total (ft/s)	5.06	Avg. Vel. (ft/s)		5.06	
Max Chl Dpth (ft)	1.46	Hydr. Depth (ft)		1.15	
Conv. Total (cfs)	3850.5	Conv. (cfs)		3850.5	
Length Wtd. (ft)	33.57	Wetted Per. (ft)		82.48	
Min Ch El (ft)	7042.00	Shear (lb/sq ft)		1.11	
Alpha	1.00	Stream Power (lb/ft s)		5.61	
Frctn Loss (ft)	0.52	Cum Volume (acre-ft)	0.00	1.22	0.00

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1589 Profile: Q100 (Continued)

C & E Loss (ft)	0.00	Cum SA (acres)	0.00	0.85	0.00
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1555.43* Profile: Q100

E.G. Elev (ft)	7043.33	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.42	Wt. n-Val.		0.040	
W.S. Elev (ft)	7042.92	Reach Len. (ft)	32.43	33.57	31.14
Crit W.S. (ft)		Flow Area (sq ft)		92.68	
E.G. Slope (ft/ft)	0.015674	Area (sq ft)		92.68	
Q Total (cfs)	479.00	Flow (cfs)		479.00	
Top Width (ft)	78.86	Top Width (ft)		78.86	
Vel Total (ft/s)	5.17	Avg. Vel. (ft/s)		5.17	
Max Chl Dpth (ft)	1.53	Hydr. Depth (ft)		1.18	
Conv. Total (cfs)	3826.0	Conv. (cfs)		3826.0	
Length Wtd. (ft)	33.57	Wetted Per. (ft)		79.12	
Min Ch El (ft)	7041.39	Shear (lb/sq ft)		1.15	
Alpha	1.00	Stream Power (lb/ft s)		5.92	
Frctn Loss (ft)	0.52	Cum Volume (acre-ft)	0.00	1.15	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	0.78	0.00

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1521.86* Profile: Q100

E.G. Elev (ft)	7042.81	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.42	Wt. n-Val.		0.040	
W.S. Elev (ft)	7042.39	Reach Len. (ft)	32.43	33.57	31.14
Crit W.S. (ft)		Flow Area (sq ft)		91.90	
E.G. Slope (ft/ft)	0.015271	Area (sq ft)		91.90	
Q Total (cfs)	479.00	Flow (cfs)		479.00	
Top Width (ft)	75.73	Top Width (ft)		75.73	
Vel Total (ft/s)	5.21	Avg. Vel. (ft/s)		5.21	
Max Chl Dpth (ft)	1.62	Hydr. Depth (ft)		1.21	
Conv. Total (cfs)	3876.2	Conv. (cfs)		3876.2	
Length Wtd. (ft)	33.57	Wetted Per. (ft)		75.96	
Min Ch El (ft)	7040.77	Shear (lb/sq ft)		1.15	
Alpha	1.00	Stream Power (lb/ft s)		6.01	
Frctn Loss (ft)	0.51	Cum Volume (acre-ft)	0.00	1.08	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	0.72	0.00

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1488.29* Profile: Q100

E.G. Elev (ft)	7042.30	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.44	Wt. n-Val.		0.040	
W.S. Elev (ft)	7041.87	Reach Len. (ft)	32.43	33.57	31.14
Crit W.S. (ft)		Flow Area (sq ft)		90.47	
E.G. Slope (ft/ft)	0.015201	Area (sq ft)		90.47	
Q Total (cfs)	479.00	Flow (cfs)		479.00	
Top Width (ft)	72.58	Top Width (ft)		72.58	
Vel Total (ft/s)	5.29	Avg. Vel. (ft/s)		5.29	
Max Chl Dpth (ft)	1.71	Hydr. Depth (ft)		1.25	
Conv. Total (cfs)	3885.1	Conv. (cfs)		3885.1	
Length Wtd. (ft)	33.57	Wetted Per. (ft)		72.80	
Min Ch El (ft)	7040.16	Shear (lb/sq ft)		1.18	
Alpha	1.00	Stream Power (lb/ft s)		6.24	
Frctn Loss (ft)	0.51	Cum Volume (acre-ft)	0.00	1.01	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	0.67	0.00

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1454.71* Profile: Q100

E.G. Elev (ft)	7041.79	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.44	Wt. n-Val.		0.040	
W.S. Elev (ft)	7041.35	Reach Len. (ft)	32.43	33.57	31.14
Crit W.S. (ft)		Flow Area (sq ft)		89.57	
E.G. Slope (ft/ft)	0.014891	Area (sq ft)		89.57	
Q Total (cfs)	479.00	Flow (cfs)		479.00	
Top Width (ft)	69.69	Top Width (ft)		69.69	
Vel Total (ft/s)	5.35	Avg. Vel. (ft/s)		5.35	
Max Chl Dpth (ft)	1.81	Hydr. Depth (ft)		1.29	
Conv. Total (cfs)	3925.3	Conv. (cfs)		3925.3	
Length Wtd. (ft)	33.57	Wetted Per. (ft)		69.90	
Min Ch El (ft)	7039.54	Shear (lb/sq ft)		1.19	
Alpha	1.00	Stream Power (lb/ft s)		6.37	
Frctn Loss (ft)	0.50	Cum Volume (acre-ft)	0.00	0.94	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	0.61	0.00

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1421.14* Profile: Q100

E.G. Elev (ft)	7041.29	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.47	Wt. n-Val.		0.040	
W.S. Elev (ft)	7040.82	Reach Len. (ft)	32.43	33.57	31.14
Crit W.S. (ft)		Flow Area (sq ft)		87.55	
E.G. Slope (ft/ft)	0.015174	Area (sq ft)		87.55	
Q Total (cfs)	479.00	Flow (cfs)		479.00	
Top Width (ft)	66.75	Top Width (ft)		66.75	
Vel Total (ft/s)	5.47	Avg. Vel. (ft/s)		5.47	
Max Chl Dpth (ft)	1.89	Hydr. Depth (ft)		1.31	
Conv. Total (cfs)	3888.6	Conv. (cfs)		3888.6	
Length Wtd. (ft)	33.57	Wetted Per. (ft)		66.96	
Min Ch El (ft)	7038.93	Shear (lb/sq ft)		1.24	
Alpha	1.00	Stream Power (lb/ft s)		6.78	
Frctn Loss (ft)	0.47	Cum Volume (acre-ft)	0.00	0.87	0.00
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	0.56	0.00

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1387.57* Profile: Q100

E.G. Elev (ft)	7040.81	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.44	Wt. n-Val.	0.050	0.040	0.050
W.S. Elev (ft)	7040.37	Reach Len. (ft)	32.43	33.57	31.14
Crit W.S. (ft)		Flow Area (sq ft)	0.01	90.17	0.02
E.G. Slope (ft/ft)	0.013088	Area (sq ft)	0.01	90.17	0.02
Q Total (cfs)	479.00	Flow (cfs)	0.00	478.99	0.01
Top Width (ft)	65.13	Top Width (ft)	0.19	64.30	0.64
Vel Total (ft/s)	5.31	Avg. Vel. (ft/s)	0.31	5.31	0.32
Max Chl Dpth (ft)	2.06	Hydr. Depth (ft)	0.03	1.40	0.03
Conv. Total (cfs)	4187.0	Conv. (cfs)	0.0	4186.9	0.1
Length Wtd. (ft)	33.57	Wetted Per. (ft)	0.20	64.52	0.64
Min Ch El (ft)	7038.31	Shear (lb/sq ft)	0.02	1.14	0.02
Alpha	1.00	Stream Power (lb/ft s)	0.01	6.07	0.01
Frctn Loss (ft)	0.52	Cum Volume (acre-ft)	0.00	0.80	0.00
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	0.51	0.00

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1354 Profile: Q100

E.G. Elev (ft)	7040.28	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.56	Wt. n-Val.	0.000	0.040	0.000
W.S. Elev (ft)	7039.71	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)	7039.63	Flow Area (sq ft)	0.00	79.52	0.00
E.G. Slope (ft/ft)	0.018440	Area (sq ft)	0.00	79.52	0.00
Q Total (cfs)	479.00	Flow (cfs)	0.00	479.00	0.00
Top Width (ft)	60.87	Top Width (ft)	0.04	60.70	0.13
Vel Total (ft/s)	6.02	Avg. Vel. (ft/s)	0.13	6.02	0.13
Max Chl Dpth (ft)	2.01	Hydr. Depth (ft)	0.01	1.31	0.01
Conv. Total (cfs)	3527.4	Conv. (cfs)	0.0	3527.4	0.0
Length Wtd. (ft)	18.12	Wetted Per. (ft)	0.04	60.93	0.13
Min Ch El (ft)	7037.70	Shear (lb/sq ft)		1.50	
Alpha	1.00	Stream Power (lb/ft s)		9.05	
Frctn Loss (ft)	0.33	Cum Volume (acre-ft)	0.00	0.73	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	0.46	0.00

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1335.88* Profile: Q100

E.G. Elev (ft)	7039.94	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.55	Wt. n-Val.		0.040	
W.S. Elev (ft)	7039.39	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)	7039.30	Flow Area (sq ft)		80.54	
E.G. Slope (ft/ft)	0.018119	Area (sq ft)		80.54	
Q Total (cfs)	479.00	Flow (cfs)		479.00	
Top Width (ft)	61.87	Top Width (ft)		61.87	
Vel Total (ft/s)	5.95	Avg. Vel. (ft/s)		5.95	
Max Chl Dpth (ft)	1.93	Hydr. Depth (ft)		1.30	
Conv. Total (cfs)	3558.5	Conv. (cfs)		3558.5	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		62.10	
Min Ch El (ft)	7037.46	Shear (lb/sq ft)		1.47	
Alpha	1.00	Stream Power (lb/ft s)		8.73	
Frctn Loss (ft)	0.33	Cum Volume (acre-ft)	0.00	0.70	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	0.44	0.00

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1317.75* Profile: Q100

E.G. Elev (ft)	7039.61	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.54	Wt. n-Val.		0.040	
W.S. Elev (ft)	7039.07	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)	7038.98	Flow Area (sq ft)		81.08	
E.G. Slope (ft/ft)	0.018149	Area (sq ft)		81.08	
Q Total (cfs)	479.00	Flow (cfs)		479.00	
Top Width (ft)	63.00	Top Width (ft)		63.00	
Vel Total (ft/s)	5.91	Avg. Vel. (ft/s)		5.91	
Max Chl Dpth (ft)	1.84	Hydr. Depth (ft)		1.29	
Conv. Total (cfs)	3555.5	Conv. (cfs)		3555.5	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		63.21	
Min Ch El (ft)	7037.23	Shear (lb/sq ft)		1.45	
Alpha	1.00	Stream Power (lb/ft s)		8.59	
Frctn Loss (ft)	0.33	Cum Volume (acre-ft)	0.00	0.67	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	0.41	0.00

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1299.63* Profile: Q100

E.G. Elev (ft)	7039.28	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.53	Wt. n-Val.		0.040	
W.S. Elev (ft)	7038.75	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)	7038.66	Flow Area (sq ft)		81.97	
E.G. Slope (ft/ft)	0.018019	Area (sq ft)		81.97	
Q Total (cfs)	479.00	Flow (cfs)		479.00	
Top Width (ft)	64.41	Top Width (ft)		64.41	
Vel Total (ft/s)	5.84	Avg. Vel. (ft/s)		5.84	
Max Chl Dpth (ft)	1.76	Hydr. Depth (ft)		1.27	
Conv. Total (cfs)	3568.3	Conv. (cfs)		3568.3	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		64.62	
Min Ch El (ft)	7036.99	Shear (lb/sq ft)		1.43	
Alpha	1.00	Stream Power (lb/ft s)		8.34	
Frctn Loss (ft)	0.32	Cum Volume (acre-ft)	0.00	0.63	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	0.38	0.00

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1281.50* Profile: Q100

E.G. Elev (ft)	7038.95	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.52	Wt. n-Val.		0.040	
W.S. Elev (ft)	7038.43	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)	7038.34	Flow Area (sq ft)		83.13	
E.G. Slope (ft/ft)	0.017768	Area (sq ft)		83.13	
Q Total (cfs)	479.00	Flow (cfs)		479.00	
Top Width (ft)	66.00	Top Width (ft)		66.00	
Vel Total (ft/s)	5.76	Avg. Vel. (ft/s)		5.76	
Max Chl Dpth (ft)	1.68	Hydr. Depth (ft)		1.26	
Conv. Total (cfs)	3593.5	Conv. (cfs)		3593.5	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		66.22	
Min Ch El (ft)	7036.75	Shear (lb/sq ft)		1.39	
Alpha	1.00	Stream Power (lb/ft s)		8.02	
Frctn Loss (ft)	0.31	Cum Volume (acre-ft)	0.00	0.60	0.00
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	0.36	0.00

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1263.38* Profile: Q100

E.G. Elev (ft)	7038.63	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.48	Wt. n-Val.		0.040	
W.S. Elev (ft)	7038.15	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)	7038.02	Flow Area (sq ft)		86.36	
E.G. Slope (ft/ft)	0.016257	Area (sq ft)		86.36	
Q Total (cfs)	479.00	Flow (cfs)		479.00	
Top Width (ft)	67.90	Top Width (ft)		67.90	
Vel Total (ft/s)	5.55	Avg. Vel. (ft/s)		5.55	
Max Chl Dpth (ft)	1.64	Hydr. Depth (ft)		1.27	
Conv. Total (cfs)	3756.8	Conv. (cfs)		3756.8	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		68.15	
Min Ch El (ft)	7036.51	Shear (lb/sq ft)		1.29	
Alpha	1.00	Stream Power (lb/ft s)		7.13	
Frctn Loss (ft)	0.25	Cum Volume (acre-ft)	0.00	0.56	0.00
C & E Loss (ft)	0.03	Cum SA (acres)	0.00	0.33	0.00

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1245.25* Profile: Q100

E.G. Elev (ft)	7038.35	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.39	Wt. n-Val.		0.040	
W.S. Elev (ft)	7037.96	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)		Flow Area (sq ft)		95.91	
E.G. Slope (ft/ft)	0.012082	Area (sq ft)		95.91	
Q Total (cfs)	479.00	Flow (cfs)		479.00	
Top Width (ft)	70.62	Top Width (ft)		70.62	
Vel Total (ft/s)	4.99	Avg. Vel. (ft/s)		4.99	
Max Chl Dpth (ft)	1.69	Hydr. Depth (ft)		1.36	
Conv. Total (cfs)	4357.8	Conv. (cfs)		4357.8	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		70.91	
Min Ch El (ft)	7036.27	Shear (lb/sq ft)		1.02	
Alpha	1.00	Stream Power (lb/ft s)		5.10	
Frctn Loss (ft)	0.17	Cum Volume (acre-ft)	0.00	0.53	0.00
C & E Loss (ft)	0.03	Cum SA (acres)	0.00	0.30	0.00

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1227.13* Profile: Q100

E.G. Elev (ft)	7038.15	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.28	Wt. n-Val.		0.040	
W.S. Elev (ft)	7037.87	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)		Flow Area (sq ft)		112.96	
E.G. Slope (ft/ft)	0.007461	Area (sq ft)		112.96	
Q Total (cfs)	479.00	Flow (cfs)		479.00	
Top Width (ft)	73.98	Top Width (ft)		73.98	
Vel Total (ft/s)	4.24	Avg. Vel. (ft/s)		4.24	
Max Chl Dpth (ft)	1.83	Hydr. Depth (ft)		1.53	
Conv. Total (cfs)	5545.3	Conv. (cfs)		5545.3	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		74.35	
Min Ch El (ft)	7036.04	Shear (lb/sq ft)		0.71	
Alpha	1.00	Stream Power (lb/ft s)		3.00	
Frctn Loss (ft)	0.10	Cum Volume (acre-ft)	0.00	0.48	0.00
C & E Loss (ft)	0.02	Cum SA (acres)	0.00	0.27	0.00

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1209 Profile: Q100

E.G. Elev (ft)	7038.02	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.20	Wt. n-Val.	0.000	0.040	0.000
W.S. Elev (ft)	7037.82	Reach Len. (ft)	17.50	18.00	16.00
Crit W.S. (ft)		Flow Area (sq ft)	0.00	134.83	0.00
E.G. Slope (ft/ft)	0.004406	Area (sq ft)	0.00	134.83	0.00
Q Total (cfs)	479.00	Flow (cfs)	0.00	479.00	0.00
Top Width (ft)	77.70	Top Width (ft)	0.12	77.50	0.07
Vel Total (ft/s)	3.55	Avg. Vel. (ft/s)	0.10	3.55	0.10
Max Chl Dpth (ft)	2.02	Hydr. Depth (ft)	0.01	1.74	0.01
Conv. Total (cfs)	7216.3	Conv. (cfs)	0.0	7216.3	0.0
Length Wtd. (ft)	18.00	Wetted Per. (ft)	0.12	77.97	0.08
Min Ch El (ft)	7035.80	Shear (lb/sq ft)		0.48	
Alpha	1.00	Stream Power (lb/ft s)		1.69	
Frctn Loss (ft)	0.09	Cum Volume (acre-ft)	0.00	0.43	0.00
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	0.24	0.00

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1191.00* Profile: Q100

E.G. Elev (ft)	7037.93	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.26	Wt. n-Val.	0.050	0.040	0.050
W.S. Elev (ft)	7037.66	Reach Len. (ft)	17.50	18.00	16.00
Crit W.S. (ft)		Flow Area (sq ft)	0.15	116.76	0.09
E.G. Slope (ft/ft)	0.005592	Area (sq ft)	0.15	116.76	0.09
Q Total (cfs)	479.00	Flow (cfs)	0.08	478.86	0.05
Top Width (ft)	66.59	Top Width (ft)	1.14	64.75	0.71
Vel Total (ft/s)	4.09	Avg. Vel. (ft/s)	0.57	4.10	0.55
Max Chl Dpth (ft)	2.26	Hydr. Depth (ft)	0.13	1.80	0.13
Conv. Total (cfs)	6405.6	Conv. (cfs)	1.1	6403.8	0.7
Length Wtd. (ft)	18.00	Wetted Per. (ft)	1.17	65.08	0.75
Min Ch El (ft)	7035.40	Shear (lb/sq ft)	0.04	0.63	0.04
Alpha	1.00	Stream Power (lb/ft s)	0.03	2.57	0.02
Frctn Loss (ft)	0.16	Cum Volume (acre-ft)	0.00	0.38	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	0.21	0.00

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1173 Profile: Q100

E.G. Elev (ft)	7037.77	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.25	Wt. n-Val.	0.050	0.078	0.050
W.S. Elev (ft)	7037.51	Reach Len. (ft)	24.50	25.50	25.00
Crit W.S. (ft)		Flow Area (sq ft)	0.53	118.41	0.33
E.G. Slope (ft/ft)	0.015241	Area (sq ft)	0.53	118.41	0.33
Q Total (cfs)	479.00	Flow (cfs)	0.77	477.77	0.47
Top Width (ft)	55.34	Top Width (ft)	2.05	52.00	1.28
Vel Total (ft/s)	4.02	Avg. Vel. (ft/s)	1.45	4.03	1.41
Max Chl Dpth (ft)	2.51	Hydr. Depth (ft)	0.26	2.28	0.26
Conv. Total (cfs)	3880.0	Conv. (cfs)	6.2	3870.0	3.8
Length Wtd. (ft)	25.50	Wetted Per. (ft)	2.12	52.69	1.38
Min Ch El (ft)	7035.00	Shear (lb/sq ft)	0.24	2.14	0.23
Alpha	1.01	Stream Power (lb/ft s)	0.34	8.63	0.32
Frctn Loss (ft)	0.41	Cum Volume (acre-ft)	0.00	0.33	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	0.18	0.00

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1147.50* Profile: Q100

E.G. Elev (ft)	7037.35	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.28	Wt. n-Val.	0.050	0.078	0.050
W.S. Elev (ft)	7037.07	Reach Len. (ft)	24.50	25.50	25.00
Crit W.S. (ft)		Flow Area (sq ft)	0.66	111.87	0.56
E.G. Slope (ft/ft)	0.016923	Area (sq ft)	0.66	111.87	0.56
Q Total (cfs)	479.00	Flow (cfs)	1.09	476.99	0.92
Top Width (ft)	53.27	Top Width (ft)	2.31	49.00	1.97
Vel Total (ft/s)	4.24	Avg. Vel. (ft/s)	1.65	4.26	1.63
Max Chl Dpth (ft)	2.57	Hydr. Depth (ft)	0.29	2.28	0.29
Conv. Total (cfs)	3682.1	Conv. (cfs)	8.4	3666.7	7.1
Length Wtd. (ft)	25.50	Wetted Per. (ft)	2.38	49.57	2.05
Min Ch El (ft)	7034.50	Shear (lb/sq ft)	0.29	2.38	0.29
Alpha	1.01	Stream Power (lb/ft s)	0.48	10.17	0.47
Frctn Loss (ft)	0.68	Cum Volume (acre-ft)	0.00	0.26	0.00
C & E Loss (ft)	0.03	Cum SA (acres)	0.00	0.16	0.00

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Errors Warnings and Notes (Continued)

	1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1122 Profile: Q100

E.G. Elev (ft)	7036.64	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.56	Wt. n-Val.	0.050	0.078	0.050
W.S. Elev (ft)	7036.08	Reach Len. (ft)	22.00	24.00	21.00
Crit W.S. (ft)		Flow Area (sq ft)	0.01	79.73	0.01
E.G. Slope (ft/ft)	0.048450	Area (sq ft)	0.01	79.73	0.01
Q Total (cfs)	479.00	Flow (cfs)	0.01	478.98	0.01
Top Width (ft)	46.65	Top Width (ft)	0.32	46.00	0.32
Vel Total (ft/s)	6.01	Avg. Vel. (ft/s)	0.76	6.01	0.76
Max Chl Dpth (ft)	2.08	Hydr. Depth (ft)	0.04	1.73	0.04
Conv. Total (cfs)	2176.1	Conv. (cfs)	0.0	2176.1	0.0
Length Wtd. (ft)	24.00	Wetted Per. (ft)	0.33	46.49	0.33
Min Ch EI (ft)	7034.00	Shear (lb/sq ft)	0.12	5.19	0.12
Alpha	1.00	Stream Power (lb/ft s)	0.09	31.16	0.09
Frctn Loss (ft)	1.29	Cum Volume (acre-ft)	0.00	0.21	0.00
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	0.13	0.00

Errors Warnings and Notes

Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1098 Profile: Q100

E.G. Elev (ft)	7035.34	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.65	Wt. n-Val.		0.078	
W.S. Elev (ft)	7034.70	Reach Len. (ft)	49.50	49.00	50.00
Crit W.S. (ft)	7034.55	Flow Area (sq ft)		74.31	
E.G. Slope (ft/ft)	0.059928	Area (sq ft)		74.31	
Q Total (cfs)	479.00	Flow (cfs)		479.00	
Top Width (ft)	45.18	Top Width (ft)		45.18	
Vel Total (ft/s)	6.45	Avg. Vel. (ft/s)		6.45	
Max Chl Dpth (ft)	2.20	Hydr. Depth (ft)		1.64	
Conv. Total (cfs)	1956.7	Conv. (cfs)		1956.7	
Length Wtd. (ft)	49.00	Wetted Per. (ft)		45.73	
Min Ch EI (ft)	7032.50	Shear (lb/sq ft)		6.08	
Alpha	1.00	Stream Power (lb/ft s)		39.18	
Frctn Loss (ft)	3.09	Cum Volume (acre-ft)		0.16	
C & E Loss (ft)	0.00	Cum SA (acres)		0.10	

Errors Warnings and Notes

Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1049.00* Profile: Q100

E.G. Elev (ft)	7032.26	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.68	Wt. n-Val.		0.078	
W.S. Elev (ft)	7031.58	Reach Len. (ft)	49.50	49.00	50.00
Crit W.S. (ft)	7031.49	Flow Area (sq ft)		72.43	
E.G. Slope (ft/ft)	0.066323	Area (sq ft)		72.43	
Q Total (cfs)	479.00	Flow (cfs)		479.00	
Top Width (ft)	45.83	Top Width (ft)		45.83	
Vel Total (ft/s)	6.61	Avg. Vel. (ft/s)		6.61	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1049.00* Profile: Q100 (Continued)

Max Chl Dpth (ft)	2.13	Hydr. Depth (ft)		1.58	
Conv. Total (cfs)	1860.0	Conv. (cfs)		1860.0	
Length Wtd. (ft)	49.00	Wetted Per. (ft)		46.28	
Min Ch El (ft)	7029.45	Shear (lb/sq ft)		6.48	
Alpha	1.00	Stream Power (lb/ft s)		42.85	
Frctn Loss (ft)	3.26	Cum Volume (acre-ft)		0.08	
C & E Loss (ft)	0.00	Cum SA (acres)		0.05	

Errors Warnings and Notes

Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1000 Profile: Q100

E.G. Elev (ft)	7029.00	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.69	Wt. n-Val.		0.078	
W.S. Elev (ft)	7028.31	Reach Len. (ft)			
Crit W.S. (ft)	7028.22	Flow Area (sq ft)		71.99	
E.G. Slope (ft/ft)	0.066695	Area (sq ft)		71.99	
Q Total (cfs)	479.00	Flow (cfs)		479.00	
Top Width (ft)	45.30	Top Width (ft)		45.30	
Vel Total (ft/s)	6.65	Avg. Vel. (ft/s)		6.65	
Max Chl Dpth (ft)	1.91	Hydr. Depth (ft)		1.59	
Conv. Total (cfs)	1854.8	Conv. (cfs)		1854.8	
Length Wtd. (ft)		Wetted Per. (ft)		45.77	
Min Ch El (ft)	7026.40	Shear (lb/sq ft)		6.55	
Alpha	1.00	Stream Power (lb/ft s)		43.58	
Frctn Loss (ft)		Cum Volume (acre-ft)			
C & E Loss (ft)		Cum SA (acres)			

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5710 Profile: Q010

E.G. Elev (ft)	7126.29	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.15	Wt. n-Val.		0.078	
W.S. Elev (ft)	7126.14	Reach Len. (ft)	34.00	38.00	40.00
Crit W.S. (ft)	7126.14	Flow Area (sq ft)		5.50	
E.G. Slope (ft/ft)	0.140598	Area (sq ft)		5.50	
Q Total (cfs)	17.00	Flow (cfs)		17.00	
Top Width (ft)	18.62	Top Width (ft)		18.62	
Vel Total (ft/s)	3.09	Avg. Vel. (ft/s)		3.09	
Max Chl Dpth (ft)	0.64	Hydr. Depth (ft)		0.30	
Conv. Total (cfs)	45.3	Conv. (cfs)		45.3	
Length Wtd. (ft)	38.00	Wetted Per. (ft)		19.31	
Min Ch El (ft)	7125.50	Shear (lb/sq ft)		2.50	
Alpha	1.00	Stream Power (lb/ft s)		7.73	
Frctn Loss (ft)	0.94	Cum Volume (acre-ft)		1.76	0.01
C & E Loss (ft)	0.04	Cum SA (acres)		4.30	0.04

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning:	During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5672 Profile: Q010

E.G. Elev (ft)	7124.54	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.078	
W.S. Elev (ft)	7124.51	Reach Len. (ft)	49.00	50.00	50.75
Crit W.S. (ft)	7124.11	Flow Area (sq ft)		13.06	
E.G. Slope (ft/ft)	0.009854	Area (sq ft)		13.06	
Q Total (cfs)	17.00	Flow (cfs)		17.00	
Top Width (ft)	22.75	Top Width (ft)		22.75	
Vel Total (ft/s)	1.30	Avg. Vel. (ft/s)		1.30	
Max Chl Dpth (ft)	1.01	Hydr. Depth (ft)		0.57	
Conv. Total (cfs)	171.3	Conv. (cfs)		171.3	
Length Wtd. (ft)	50.00	Wetted Per. (ft)		22.87	
Min Ch El (ft)	7123.50	Shear (lb/sq ft)		0.35	
Alpha	1.00	Stream Power (lb/ft s)		0.46	
Frctn Loss (ft)	0.49	Cum Volume (acre-ft)		1.75	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		4.29	0.04

Errors Warnings and Notes

Note:	Hydraulic jump has occurred between this cross section and the previous upstream section.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5622.00* Profile: Q010

E.G. Elev (ft)	7124.05	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.078	
W.S. Elev (ft)	7124.02	Reach Len. (ft)	49.00	50.00	50.75
Crit W.S. (ft)		Flow Area (sq ft)		13.11	
E.G. Slope (ft/ft)	0.009659	Area (sq ft)		13.11	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5622.00* Profile: Q010 (Continued)

Q Total (cfs)	17.00	Flow (cfs)		17.00	
Top Width (ft)	22.66	Top Width (ft)		22.66	
Vel Total (ft/s)	1.30	Avg. Vel. (ft/s)		1.30	
Max Chl Dpth (ft)	0.90	Hydr. Depth (ft)		0.58	
Conv. Total (cfs)	173.0	Conv. (cfs)		173.0	
Length Wtd. (ft)	50.00	Wetted Per. (ft)		22.76	
Min Ch El (ft)	7123.12	Shear (lb/sq ft)		0.35	
Alpha	1.00	Stream Power (lb/ft s)		0.45	
Frctn Loss (ft)	0.48	Cum Volume (acre-ft)		1.73	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		4.26	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5572.00* Profile: Q010

E.G. Elev (ft)	7123.57	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.078	
W.S. Elev (ft)	7123.55	Reach Len. (ft)	49.00	50.00	50.75
Crit W.S. (ft)		Flow Area (sq ft)		13.34	
E.G. Slope (ft/ft)	0.009353	Area (sq ft)		13.34	
Q Total (cfs)	17.00	Flow (cfs)		17.00	
Top Width (ft)	23.07	Top Width (ft)		23.07	
Vel Total (ft/s)	1.27	Avg. Vel. (ft/s)		1.27	
Max Chl Dpth (ft)	0.80	Hydr. Depth (ft)		0.58	
Conv. Total (cfs)	175.8	Conv. (cfs)		175.8	
Length Wtd. (ft)	50.00	Wetted Per. (ft)		23.17	
Min Ch El (ft)	7122.75	Shear (lb/sq ft)		0.34	
Alpha	1.00	Stream Power (lb/ft s)		0.43	
Frctn Loss (ft)	0.46	Cum Volume (acre-ft)		1.72	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		4.23	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5522.00* Profile: Q010

E.G. Elev (ft)	7123.11	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.078	
W.S. Elev (ft)	7123.08	Reach Len. (ft)	49.00	50.00	50.75
Crit W.S. (ft)		Flow Area (sq ft)		13.61	
E.G. Slope (ft/ft)	0.009033	Area (sq ft)		13.61	
Q Total (cfs)	17.00	Flow (cfs)		17.00	
Top Width (ft)	23.63	Top Width (ft)		23.63	
Vel Total (ft/s)	1.25	Avg. Vel. (ft/s)		1.25	
Max Chl Dpth (ft)	0.70	Hydr. Depth (ft)		0.58	
Conv. Total (cfs)	178.9	Conv. (cfs)		178.9	
Length Wtd. (ft)	50.00	Wetted Per. (ft)		23.75	
Min Ch El (ft)	7122.38	Shear (lb/sq ft)		0.32	
Alpha	1.00	Stream Power (lb/ft s)		0.40	
Frctn Loss (ft)	0.58	Cum Volume (acre-ft)		1.70	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		4.21	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5472 Profile: Q010

E.G. Elev (ft)	7122.53	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.069	
W.S. Elev (ft)	7122.49	Reach Len. (ft)	32.51	32.74	32.51
Crit W.S. (ft)		Flow Area (sq ft)		10.81	
E.G. Slope (ft/ft)	0.015483	Area (sq ft)		10.81	
Q Total (cfs)	17.00	Flow (cfs)		17.00	
Top Width (ft)	23.94	Top Width (ft)		23.94	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5472 Profile: Q010 (Continued)

Vel Total (ft/s)	1.57	Avg. Vel. (ft/s)		1.57	
Max Chl Dpth (ft)	0.49	Hydr. Depth (ft)		0.45	
Conv. Total (cfs)	136.6	Conv. (cfs)		136.6	
Length Wtd. (ft)	32.74	Wetted Per. (ft)		24.06	
Min Ch El (ft)	7122.00	Shear (lb/sq ft)		0.43	
Alpha	1.00	Stream Power (lb/ft s)		0.68	
Frctn Loss (ft)	0.50	Cum Volume (acre-ft)		1.69	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		4.18	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5439.25* Profile: Q010

E.G. Elev (ft)	7122.04	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.069	
W.S. Elev (ft)	7122.00	Reach Len. (ft)	32.51	32.74	32.51
Crit W.S. (ft)		Flow Area (sq ft)		10.94	
E.G. Slope (ft/ft)	0.014921	Area (sq ft)		10.94	
Q Total (cfs)	17.00	Flow (cfs)		17.00	
Top Width (ft)	23.98	Top Width (ft)		23.98	
Vel Total (ft/s)	1.55	Avg. Vel. (ft/s)		1.55	
Max Chl Dpth (ft)	0.50	Hydr. Depth (ft)		0.46	
Conv. Total (cfs)	139.2	Conv. (cfs)		139.2	
Length Wtd. (ft)	32.74	Wetted Per. (ft)		24.10	
Min Ch El (ft)	7121.50	Shear (lb/sq ft)		0.42	
Alpha	1.00	Stream Power (lb/ft s)		0.66	
Frctn Loss (ft)	0.51	Cum Volume (acre-ft)		1.68	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		4.16	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5406.50* Profile: Q010

E.G. Elev (ft)	7121.52	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.069	
W.S. Elev (ft)	7121.48	Reach Len. (ft)	32.51	32.74	32.51
Crit W.S. (ft)		Flow Area (sq ft)		10.61	
E.G. Slope (ft/ft)	0.016406	Area (sq ft)		10.61	
Q Total (cfs)	17.00	Flow (cfs)		17.00	
Top Width (ft)	23.87	Top Width (ft)		23.87	
Vel Total (ft/s)	1.60	Avg. Vel. (ft/s)		1.60	
Max Chl Dpth (ft)	0.48	Hydr. Depth (ft)		0.44	
Conv. Total (cfs)	132.7	Conv. (cfs)		132.7	
Length Wtd. (ft)	32.74	Wetted Per. (ft)		23.99	
Min Ch El (ft)	7121.00	Shear (lb/sq ft)		0.45	
Alpha	1.00	Stream Power (lb/ft s)		0.73	
Frctn Loss (ft)	0.46	Cum Volume (acre-ft)		1.67	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		4.14	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5373.75* Profile: Q010

E.G. Elev (ft)	7121.06	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.069	
W.S. Elev (ft)	7121.03	Reach Len. (ft)	32.51	32.74	32.51
Crit W.S. (ft)		Flow Area (sq ft)		11.65	
E.G. Slope (ft/ft)	0.012276	Area (sq ft)		11.65	
Q Total (cfs)	17.00	Flow (cfs)		17.00	
Top Width (ft)	24.21	Top Width (ft)		24.21	
Vel Total (ft/s)	1.46	Avg. Vel. (ft/s)		1.46	
Max Chl Dpth (ft)	0.53	Hydr. Depth (ft)		0.48	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5373.75* Profile: Q010 (Continued)

Conv. Total (cfs)	153.4	Conv. (cfs)		153.4	
Length Wtd. (ft)	32.74	Wetted Per. (ft)		24.34	
Min Ch EI (ft)	7120.50	Shear (lb/sq ft)		0.37	
Alpha	1.00	Stream Power (lb/ft s)		0.54	
Frctn Loss (ft)	0.59	Cum Volume (acre-ft)		1.66	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		4.13	0.04

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5341 Profile: Q010

E.G. Elev (ft)	7120.47	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.06	Wt. n-Val.		0.069	
W.S. Elev (ft)	7120.41	Reach Len. (ft)	30.67	30.33	30.33
Crit W.S. (ft)		Flow Area (sq ft)		8.85	
E.G. Slope (ft/ft)	0.029011	Area (sq ft)		8.85	
Q Total (cfs)	17.00	Flow (cfs)		17.00	
Top Width (ft)	23.27	Top Width (ft)		23.27	
Vel Total (ft/s)	1.92	Avg. Vel. (ft/s)		1.92	
Max Chl Dpth (ft)	0.41	Hydr. Depth (ft)		0.38	
Conv. Total (cfs)	99.8	Conv. (cfs)		99.8	
Length Wtd. (ft)	30.33	Wetted Per. (ft)		23.37	
Min Ch EI (ft)	7120.00	Shear (lb/sq ft)		0.69	
Alpha	1.00	Stream Power (lb/ft s)		1.32	
Frctn Loss (ft)	0.87	Cum Volume (acre-ft)		1.66	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		4.11	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5310.67* Profile: Q010

E.G. Elev (ft)	7119.60	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.06	Wt. n-Val.		0.069	
W.S. Elev (ft)	7119.54	Reach Len. (ft)	30.67	30.33	30.33
Crit W.S. (ft)		Flow Area (sq ft)		8.93	
E.G. Slope (ft/ft)	0.028204	Area (sq ft)		8.93	
Q Total (cfs)	17.00	Flow (cfs)		17.00	
Top Width (ft)	23.30	Top Width (ft)		23.30	
Vel Total (ft/s)	1.90	Avg. Vel. (ft/s)		1.90	
Max Chl Dpth (ft)	0.41	Hydr. Depth (ft)		0.38	
Conv. Total (cfs)	101.2	Conv. (cfs)		101.2	
Length Wtd. (ft)	30.33	Wetted Per. (ft)		23.40	
Min Ch EI (ft)	7119.13	Shear (lb/sq ft)		0.67	
Alpha	1.00	Stream Power (lb/ft s)		1.28	
Frctn Loss (ft)	0.87	Cum Volume (acre-ft)		1.65	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		4.09	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5280.33* Profile: Q010

E.G. Elev (ft)	7118.74	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.06	Wt. n-Val.		0.069	
W.S. Elev (ft)	7118.68	Reach Len. (ft)	30.67	30.33	30.33
Crit W.S. (ft)		Flow Area (sq ft)		8.83	
E.G. Slope (ft/ft)	0.029248	Area (sq ft)		8.83	
Q Total (cfs)	17.00	Flow (cfs)		17.00	
Top Width (ft)	23.27	Top Width (ft)		23.27	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5280.33* Profile: Q010 (Continued)

Vel Total (ft/s)	1.93	Avg. Vel. (ft/s)		1.93	
Max Chl Dpth (ft)	0.41	Hydr. Depth (ft)		0.38	
Conv. Total (cfs)	99.4	Conv. (cfs)		99.4	
Length Wtd. (ft)	30.33	Wetted Per. (ft)		23.37	
Min Ch El (ft)	7118.27	Shear (lb/sq ft)		0.69	
Alpha	1.00	Stream Power (lb/ft s)		1.33	
Frctn Loss (ft)	0.88	Cum Volume (acre-ft)		1.64	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		4.08	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5250 Profile: Q010

E.G. Elev (ft)	7117.87	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.06	Wt. n-Val.		0.069	
W.S. Elev (ft)	7117.81	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)		Flow Area (sq ft)		8.89	
E.G. Slope (ft/ft)	0.028662	Area (sq ft)		8.89	
Q Total (cfs)	17.00	Flow (cfs)		17.00	
Top Width (ft)	23.29	Top Width (ft)		23.29	
Vel Total (ft/s)	1.91	Avg. Vel. (ft/s)		1.91	
Max Chl Dpth (ft)	0.41	Hydr. Depth (ft)		0.38	
Conv. Total (cfs)	100.4	Conv. (cfs)		100.4	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		23.39	
Min Ch El (ft)	7117.40	Shear (lb/sq ft)		0.68	
Alpha	1.00	Stream Power (lb/ft s)		1.30	
Frctn Loss (ft)	0.95	Cum Volume (acre-ft)		1.64	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		4.06	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5217.25* Profile: Q010

E.G. Elev (ft)	7116.92	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.06	Wt. n-Val.		0.069	
W.S. Elev (ft)	7116.86	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)		Flow Area (sq ft)		8.80	
E.G. Slope (ft/ft)	0.029606	Area (sq ft)		8.80	
Q Total (cfs)	17.00	Flow (cfs)		17.00	
Top Width (ft)	23.25	Top Width (ft)		23.25	
Vel Total (ft/s)	1.93	Avg. Vel. (ft/s)		1.93	
Max Chl Dpth (ft)	0.41	Hydr. Depth (ft)		0.38	
Conv. Total (cfs)	98.8	Conv. (cfs)		98.8	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		23.35	
Min Ch El (ft)	7116.45	Shear (lb/sq ft)		0.70	
Alpha	1.00	Stream Power (lb/ft s)		1.35	
Frctn Loss (ft)	0.95	Cum Volume (acre-ft)		1.63	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		4.04	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5184.50* Profile: Q010

E.G. Elev (ft)	7115.97	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.06	Wt. n-Val.		0.069	
W.S. Elev (ft)	7115.91	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)		Flow Area (sq ft)		8.89	
E.G. Slope (ft/ft)	0.028662	Area (sq ft)		8.89	
Q Total (cfs)	17.00	Flow (cfs)		17.00	
Top Width (ft)	23.29	Top Width (ft)		23.29	
Vel Total (ft/s)	1.91	Avg. Vel. (ft/s)		1.91	
Max Chl Dpth (ft)	0.41	Hydr. Depth (ft)		0.38	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5184.50* Profile: Q010 (Continued)

Conv. Total (cfs)	100.4	Conv. (cfs)		100.4	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		23.39	
Min Ch EI (ft)	7115.50	Shear (lb/sq ft)		0.68	
Alpha	1.00	Stream Power (lb/ft s)		1.30	
Frctn Loss (ft)	0.96	Cum Volume (acre-ft)		1.63	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		4.02	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5151.75* Profile: Q010

E.G. Elev (ft)	7115.01	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.06	Wt. n-Val.		0.069	
W.S. Elev (ft)	7114.95	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)		Flow Area (sq ft)		8.74	
E.G. Slope (ft/ft)	0.030219	Area (sq ft)		8.74	
Q Total (cfs)	17.00	Flow (cfs)		17.00	
Top Width (ft)	23.23	Top Width (ft)		23.23	
Vel Total (ft/s)	1.95	Avg. Vel. (ft/s)		1.95	
Max Chl Dpth (ft)	0.40	Hydr. Depth (ft)		0.38	
Conv. Total (cfs)	97.8	Conv. (cfs)		97.8	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		23.33	
Min Ch EI (ft)	7114.55	Shear (lb/sq ft)		0.71	
Alpha	1.00	Stream Power (lb/ft s)		1.37	
Frctn Loss (ft)	0.94	Cum Volume (acre-ft)		1.62	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		4.01	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5119.00* Profile: Q010

E.G. Elev (ft)	7114.07	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.06	Wt. n-Val.		0.069	
W.S. Elev (ft)	7114.02	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)		Flow Area (sq ft)		9.00	
E.G. Slope (ft/ft)	0.027535	Area (sq ft)		9.00	
Q Total (cfs)	17.00	Flow (cfs)		17.00	
Top Width (ft)	23.32	Top Width (ft)		23.32	
Vel Total (ft/s)	1.89	Avg. Vel. (ft/s)		1.89	
Max Chl Dpth (ft)	0.42	Hydr. Depth (ft)		0.39	
Conv. Total (cfs)	102.4	Conv. (cfs)		102.4	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		23.43	
Min Ch EI (ft)	7113.60	Shear (lb/sq ft)		0.66	
Alpha	1.00	Stream Power (lb/ft s)		1.25	
Frctn Loss (ft)	0.97	Cum Volume (acre-ft)		1.61	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.99	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5086.25* Profile: Q010

E.G. Elev (ft)	7113.11	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.06	Wt. n-Val.		0.069	
W.S. Elev (ft)	7113.05	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)		Flow Area (sq ft)		8.60	
E.G. Slope (ft/ft)	0.031751	Area (sq ft)		8.60	
Q Total (cfs)	17.00	Flow (cfs)		17.00	
Top Width (ft)	23.19	Top Width (ft)		23.19	
Vel Total (ft/s)	1.98	Avg. Vel. (ft/s)		1.98	
Max Chl Dpth (ft)	0.40	Hydr. Depth (ft)		0.37	
Conv. Total (cfs)	95.4	Conv. (cfs)		95.4	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		23.29	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5086.25* Profile: Q010 (Continued)

Min Ch El (ft)	7112.65	Shear (lb/sq ft)		0.73	
Alpha	1.00	Stream Power (lb/ft s)		1.45	
Frctn Loss (ft)	0.94	Cum Volume (acre-ft)		1.61	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.97	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5053.50* Profile: Q010

E.G. Elev (ft)	7112.18	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.069	
W.S. Elev (ft)	7112.12	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)		Flow Area (sq ft)		9.17	
E.G. Slope (ft/ft)	0.025949	Area (sq ft)		9.17	
Q Total (cfs)	17.00	Flow (cfs)		17.00	
Top Width (ft)	23.38	Top Width (ft)		23.38	
Vel Total (ft/s)	1.85	Avg. Vel. (ft/s)		1.85	
Max Chl Dpth (ft)	0.42	Hydr. Depth (ft)		0.39	
Conv. Total (cfs)	105.5	Conv. (cfs)		105.5	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		23.49	
Min Ch El (ft)	7111.70	Shear (lb/sq ft)		0.63	
Alpha	1.00	Stream Power (lb/ft s)		1.17	
Frctn Loss (ft)	0.98	Cum Volume (acre-ft)		1.60	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.95	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5020.75* Profile: Q010

E.G. Elev (ft)	7111.20	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.06	Wt. n-Val.		0.069	
W.S. Elev (ft)	7111.14	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)		Flow Area (sq ft)		8.36	
E.G. Slope (ft/ft)	0.034834	Area (sq ft)		8.36	
Q Total (cfs)	17.00	Flow (cfs)		17.00	
Top Width (ft)	23.10	Top Width (ft)		23.10	
Vel Total (ft/s)	2.03	Avg. Vel. (ft/s)		2.03	
Max Chl Dpth (ft)	0.39	Hydr. Depth (ft)		0.36	
Conv. Total (cfs)	91.1	Conv. (cfs)		91.1	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		23.20	
Min Ch El (ft)	7110.75	Shear (lb/sq ft)		0.78	
Alpha	1.00	Stream Power (lb/ft s)		1.59	
Frctn Loss (ft)	0.91	Cum Volume (acre-ft)		1.59	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.94	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4988.00* Profile: Q010

E.G. Elev (ft)	7110.29	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.069	
W.S. Elev (ft)	7110.24	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)		Flow Area (sq ft)		9.57	
E.G. Slope (ft/ft)	0.022682	Area (sq ft)		9.57	
Q Total (cfs)	17.00	Flow (cfs)		17.00	
Top Width (ft)	23.52	Top Width (ft)		23.52	
Vel Total (ft/s)	1.78	Avg. Vel. (ft/s)		1.78	
Max Chl Dpth (ft)	0.44	Hydr. Depth (ft)		0.41	
Conv. Total (cfs)	112.9	Conv. (cfs)		112.9	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		23.63	
Min Ch El (ft)	7109.80	Shear (lb/sq ft)		0.57	
Alpha	1.00	Stream Power (lb/ft s)		1.02	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4988.00* Profile: Q010 (Continued)

Frctn Loss (ft)	1.00	Cum Volume (acre-ft)		1.59	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.92	0.04

Errors Warnings and Notes

Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4955.25* Profile: Q010

E.G. Elev (ft)	7109.29	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.07	Wt. n-Val.		0.069	
W.S. Elev (ft)	7109.21	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)		Flow Area (sq ft)		7.82	
E.G. Slope (ft/ft)	0.042985	Area (sq ft)		7.82	
Q Total (cfs)	17.00	Flow (cfs)		17.00	
Top Width (ft)	22.92	Top Width (ft)		22.92	
Vel Total (ft/s)	2.17	Avg. Vel. (ft/s)		2.17	
Max Chl Dpth (ft)	0.36	Hydr. Depth (ft)		0.34	
Conv. Total (cfs)	82.0	Conv. (cfs)		82.0	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		23.01	
Min Ch EI (ft)	7108.85	Shear (lb/sq ft)		0.91	
Alpha	1.00	Stream Power (lb/ft s)		1.98	
Frctn Loss (ft)	0.86	Cum Volume (acre-ft)		1.58	0.01
C & E Loss (ft)	0.01	Cum SA (acres)		3.90	0.04

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4922.50* Profile: Q010

E.G. Elev (ft)	7108.41	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.069	
W.S. Elev (ft)	7108.37	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)		Flow Area (sq ft)		10.34	
E.G. Slope (ft/ft)	0.017834	Area (sq ft)		10.34	
Q Total (cfs)	17.00	Flow (cfs)		17.00	
Top Width (ft)	23.78	Top Width (ft)		23.78	
Vel Total (ft/s)	1.64	Avg. Vel. (ft/s)		1.64	
Max Chl Dpth (ft)	0.47	Hydr. Depth (ft)		0.43	
Conv. Total (cfs)	127.3	Conv. (cfs)		127.3	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		23.89	
Min Ch EI (ft)	7107.90	Shear (lb/sq ft)		0.48	
Alpha	1.00	Stream Power (lb/ft s)		0.79	
Frctn Loss (ft)	1.04	Cum Volume (acre-ft)		1.57	0.01
C & E Loss (ft)	0.01	Cum SA (acres)		3.88	0.04

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4889.75* Profile: Q010

E.G. Elev (ft)	7107.37	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.069	
W.S. Elev (ft)	7107.26	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)	7107.23	Flow Area (sq ft)		6.66	
E.G. Slope (ft/ft)	0.071486	Area (sq ft)		6.66	
Q Total (cfs)	17.00	Flow (cfs)		17.00	
Top Width (ft)	22.51	Top Width (ft)		22.51	
Vel Total (ft/s)	2.55	Avg. Vel. (ft/s)		2.55	
Max Chl Dpth (ft)	0.31	Hydr. Depth (ft)		0.30	
Conv. Total (cfs)	63.6	Conv. (cfs)		63.6	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		22.58	
Min Ch El (ft)	7106.95	Shear (lb/sq ft)		1.32	
Alpha	1.00	Stream Power (lb/ft s)		3.36	
Frctn Loss (ft)	0.77	Cum Volume (acre-ft)		1.57	0.01
C & E Loss (ft)	0.02	Cum SA (acres)		3.87	0.04

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4857 Profile: Q010

E.G. Elev (ft)	7106.57	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.069	
W.S. Elev (ft)	7106.54	Reach Len. (ft)	35.20	35.00	35.00
Crit W.S. (ft)		Flow Area (sq ft)		11.86	
E.G. Slope (ft/ft)	0.011601	Area (sq ft)		11.86	
Q Total (cfs)	17.00	Flow (cfs)		17.00	
Top Width (ft)	24.29	Top Width (ft)		24.29	
Vel Total (ft/s)	1.43	Avg. Vel. (ft/s)		1.43	
Max Chl Dpth (ft)	0.54	Hydr. Depth (ft)		0.49	
Conv. Total (cfs)	157.8	Conv. (cfs)		157.8	
Length Wtd. (ft)	35.00	Wetted Per. (ft)		24.42	
Min Ch El (ft)	7106.00	Shear (lb/sq ft)		0.35	
Alpha	1.00	Stream Power (lb/ft s)		0.50	
Frctn Loss (ft)	0.40	Cum Volume (acre-ft)		1.56	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.85	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4822.00* Profile: Q010

E.G. Elev (ft)	7106.17	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.069	
W.S. Elev (ft)	7106.14	Reach Len. (ft)	35.20	35.00	35.00
Crit W.S. (ft)		Flow Area (sq ft)		11.92	
E.G. Slope (ft/ft)	0.011423	Area (sq ft)		11.92	
Q Total (cfs)	17.00	Flow (cfs)		17.00	
Top Width (ft)	24.30	Top Width (ft)		24.30	
Vel Total (ft/s)	1.43	Avg. Vel. (ft/s)		1.43	
Max Chl Dpth (ft)	0.54	Hydr. Depth (ft)		0.49	
Conv. Total (cfs)	159.1	Conv. (cfs)		159.1	
Length Wtd. (ft)	35.00	Wetted Per. (ft)		24.44	
Min Ch El (ft)	7105.60	Shear (lb/sq ft)		0.35	
Alpha	1.00	Stream Power (lb/ft s)		0.50	
Frctn Loss (ft)	0.40	Cum Volume (acre-ft)		1.55	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.83	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4787.00* Profile: Q010

E.G. Elev (ft)	7105.77	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.069	
W.S. Elev (ft)	7105.74	Reach Len. (ft)	35.20	35.00	35.00
Crit W.S. (ft)		Flow Area (sq ft)		11.87	
E.G. Slope (ft/ft)	0.011565	Area (sq ft)		11.87	
Q Total (cfs)	17.00	Flow (cfs)		17.00	
Top Width (ft)	24.29	Top Width (ft)		24.29	
Vel Total (ft/s)	1.43	Avg. Vel. (ft/s)		1.43	
Max Chl Dpth (ft)	0.54	Hydr. Depth (ft)		0.49	
Conv. Total (cfs)	158.1	Conv. (cfs)		158.1	
Length Wtd. (ft)	35.00	Wetted Per. (ft)		24.42	
Min Ch El (ft)	7105.20	Shear (lb/sq ft)		0.35	
Alpha	1.00	Stream Power (lb/ft s)		0.50	
Frctn Loss (ft)	0.41	Cum Volume (acre-ft)		1.54	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.81	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4752.00* Profile: Q010

E.G. Elev (ft)	7105.36	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.069	
W.S. Elev (ft)	7105.33	Reach Len. (ft)	35.20	35.00	35.00
Crit W.S. (ft)		Flow Area (sq ft)		11.74	
E.G. Slope (ft/ft)	0.011970	Area (sq ft)		11.74	
Q Total (cfs)	17.00	Flow (cfs)		17.00	
Top Width (ft)	24.25	Top Width (ft)		24.25	
Vel Total (ft/s)	1.45	Avg. Vel. (ft/s)		1.45	
Max Chl Dpth (ft)	0.53	Hydr. Depth (ft)		0.48	
Conv. Total (cfs)	155.4	Conv. (cfs)		155.4	
Length Wtd. (ft)	35.00	Wetted Per. (ft)		24.38	
Min Ch El (ft)	7104.80	Shear (lb/sq ft)		0.36	
Alpha	1.00	Stream Power (lb/ft s)		0.52	
Frctn Loss (ft)	0.36	Cum Volume (acre-ft)		1.53	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.79	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4717.00* Profile: Q010

E.G. Elev (ft)	7105.01	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.069	
W.S. Elev (ft)	7104.98	Reach Len. (ft)	35.20	35.00	35.00
Crit W.S. (ft)		Flow Area (sq ft)		12.91	
E.G. Slope (ft/ft)	0.008912	Area (sq ft)		12.91	
Q Total (cfs)	17.00	Flow (cfs)		17.00	
Top Width (ft)	24.63	Top Width (ft)		24.63	
Vel Total (ft/s)	1.32	Avg. Vel. (ft/s)		1.32	
Max Chl Dpth (ft)	0.58	Hydr. Depth (ft)		0.52	
Conv. Total (cfs)	180.1	Conv. (cfs)		180.1	
Length Wtd. (ft)	35.00	Wetted Per. (ft)		24.77	
Min Ch El (ft)	7104.40	Shear (lb/sq ft)		0.29	
Alpha	1.00	Stream Power (lb/ft s)		0.38	
Frctn Loss (ft)	0.56	Cum Volume (acre-ft)		1.52	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.77	0.04

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4682 Profile: Q010

E.G. Elev (ft)	7104.45	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.07	Wt. n-Val.		0.069	
W.S. Elev (ft)	7104.38	Reach Len. (ft)	28.50	28.50	28.50
Crit W.S. (ft)		Flow Area (sq ft)		8.17	
E.G. Slope (ft/ft)	0.037322	Area (sq ft)		8.17	
Q Total (cfs)	17.00	Flow (cfs)		17.00	
Top Width (ft)	23.04	Top Width (ft)		23.04	
Vel Total (ft/s)	2.08	Avg. Vel. (ft/s)		2.08	
Max Chl Dpth (ft)	0.38	Hydr. Depth (ft)		0.35	
Conv. Total (cfs)	88.0	Conv. (cfs)		88.0	
Length Wtd. (ft)	28.50	Wetted Per. (ft)		23.13	
Min Ch El (ft)	7104.00	Shear (lb/sq ft)		0.82	
Alpha	1.00	Stream Power (lb/ft s)		1.71	
Frctn Loss (ft)	0.90	Cum Volume (acre-ft)		1.51	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.75	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4653.50* Profile: Q010

E.G. Elev (ft)	7103.56	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.06	Wt. n-Val.		0.069	
W.S. Elev (ft)	7103.49	Reach Len. (ft)	28.50	28.50	28.50
Crit W.S. (ft)		Flow Area (sq ft)		8.35	
E.G. Slope (ft/ft)	0.026841	Area (sq ft)		8.35	
Q Total (cfs)	17.00	Flow (cfs)		17.00	
Top Width (ft)	18.94	Top Width (ft)		18.94	
Vel Total (ft/s)	2.04	Avg. Vel. (ft/s)		2.04	
Max Chl Dpth (ft)	0.49	Hydr. Depth (ft)		0.44	
Conv. Total (cfs)	103.8	Conv. (cfs)		103.8	
Length Wtd. (ft)	28.50	Wetted Per. (ft)		19.06	
Min Ch El (ft)	7103.00	Shear (lb/sq ft)		0.73	
Alpha	1.00	Stream Power (lb/ft s)		1.49	
Frctn Loss (ft)	0.86	Cum Volume (acre-ft)		1.51	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.74	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4625 Profile: Q010

E.G. Elev (ft)	7102.69	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.09	Wt. n-Val.		0.069	
W.S. Elev (ft)	7102.59	Reach Len. (ft)	24.67	25.00	24.33
Crit W.S. (ft)		Flow Area (sq ft)		7.29	
E.G. Slope (ft/ft)	0.033988	Area (sq ft)		7.29	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	14.72	Top Width (ft)		14.72	
Vel Total (ft/s)	2.47	Avg. Vel. (ft/s)		2.47	
Max Chl Dpth (ft)	0.59	Hydr. Depth (ft)		0.50	
Conv. Total (cfs)	97.6	Conv. (cfs)		97.6	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		14.86	
Min Ch El (ft)	7102.00	Shear (lb/sq ft)		1.04	
Alpha	1.00	Stream Power (lb/ft s)		2.57	
Frctn Loss (ft)	0.78	Cum Volume (acre-ft)		1.50	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.73	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4600.00* Profile: Q010

E.G. Elev (ft)	7101.90	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.09	Wt. n-Val.		0.069	
W.S. Elev (ft)	7101.82	Reach Len. (ft)	24.67	25.00	24.33
Crit W.S. (ft)		Flow Area (sq ft)		7.70	
E.G. Slope (ft/ft)	0.028952	Area (sq ft)		7.70	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	14.94	Top Width (ft)		14.94	
Vel Total (ft/s)	2.34	Avg. Vel. (ft/s)		2.34	
Max Chl Dpth (ft)	0.62	Hydr. Depth (ft)		0.52	
Conv. Total (cfs)	105.8	Conv. (cfs)		105.8	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		15.09	
Min Ch El (ft)	7101.20	Shear (lb/sq ft)		0.92	
Alpha	1.00	Stream Power (lb/ft s)		2.16	
Frctn Loss (ft)	0.84	Cum Volume (acre-ft)		1.50	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.72	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4575.00* Profile: Q010

E.G. Elev (ft)	7101.07	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.069	
W.S. Elev (ft)	7100.97	Reach Len. (ft)	24.67	25.00	24.33
Crit W.S. (ft)		Flow Area (sq ft)		6.94	
E.G. Slope (ft/ft)	0.039335	Area (sq ft)		6.94	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	14.53	Top Width (ft)		14.53	
Vel Total (ft/s)	2.59	Avg. Vel. (ft/s)		2.59	
Max Chl Dpth (ft)	0.57	Hydr. Depth (ft)		0.48	
Conv. Total (cfs)	90.8	Conv. (cfs)		90.8	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		14.67	
Min Ch El (ft)	7100.40	Shear (lb/sq ft)		1.16	
Alpha	1.00	Stream Power (lb/ft s)		3.01	
Frctn Loss (ft)	0.72	Cum Volume (acre-ft)		1.49	0.01
C & E Loss (ft)	0.01	Cum SA (acres)		3.71	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4550 Profile: Q010

E.G. Elev (ft)	7100.34	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.07	Wt. n-Val.		0.069	
W.S. Elev (ft)	7100.27	Reach Len. (ft)	33.50	25.00	18.00
Crit W.S. (ft)		Flow Area (sq ft)		8.42	
E.G. Slope (ft/ft)	0.022206	Area (sq ft)		8.42	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	15.32	Top Width (ft)		15.32	
Vel Total (ft/s)	2.14	Avg. Vel. (ft/s)		2.14	
Max Chl Dpth (ft)	0.67	Hydr. Depth (ft)		0.55	
Conv. Total (cfs)	120.8	Conv. (cfs)		120.8	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		15.48	
Min Ch El (ft)	7099.60	Shear (lb/sq ft)		0.75	
Alpha	1.00	Stream Power (lb/ft s)		1.61	
Frctn Loss (ft)	0.70	Cum Volume (acre-ft)		1.49	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.70	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4525.00* Profile: Q010

E.G. Elev (ft)	7099.63	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.069	
W.S. Elev (ft)	7099.53	Reach Len. (ft)	33.50	25.00	18.00
Crit W.S. (ft)		Flow Area (sq ft)		7.10	
E.G. Slope (ft/ft)	0.036812	Area (sq ft)		7.10	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	14.61	Top Width (ft)		14.61	
Vel Total (ft/s)	2.54	Avg. Vel. (ft/s)		2.54	
Max Chl Dpth (ft)	0.58	Hydr. Depth (ft)		0.49	
Conv. Total (cfs)	93.8	Conv. (cfs)		93.8	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		14.76	
Min Ch El (ft)	7098.95	Shear (lb/sq ft)		1.11	
Alpha	1.00	Stream Power (lb/ft s)		2.80	
Frctn Loss (ft)	0.45	Cum Volume (acre-ft)		1.48	0.01
C & E Loss (ft)	0.02	Cum SA (acres)		3.69	0.04

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4500 Profile: Q010

E.G. Elev (ft)	7099.16	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.069	
W.S. Elev (ft)	7099.11	Reach Len. (ft)	28.00	28.00	28.00
Crit W.S. (ft)		Flow Area (sq ft)		10.80	
E.G. Slope (ft/ft)	0.010731	Area (sq ft)		10.80	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	16.52	Top Width (ft)		16.52	
Vel Total (ft/s)	1.67	Avg. Vel. (ft/s)		1.67	
Max Chl Dpth (ft)	0.81	Hydr. Depth (ft)		0.65	
Conv. Total (cfs)	173.8	Conv. (cfs)		173.8	
Length Wtd. (ft)	28.00	Wetted Per. (ft)		16.72	
Min Ch El (ft)	7098.30	Shear (lb/sq ft)		0.43	
Alpha	1.00	Stream Power (lb/ft s)		0.72	
Frctn Loss (ft)	0.30	Cum Volume (acre-ft)		1.48	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.68	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4472.00* Profile: Q010

E.G. Elev (ft)	7098.86	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.069	
W.S. Elev (ft)	7098.82	Reach Len. (ft)	28.00	28.00	28.00
Crit W.S. (ft)		Flow Area (sq ft)		10.81	
E.G. Slope (ft/ft)	0.010708	Area (sq ft)		10.81	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	16.52	Top Width (ft)		16.52	
Vel Total (ft/s)	1.67	Avg. Vel. (ft/s)		1.67	
Max Chl Dpth (ft)	0.81	Hydr. Depth (ft)		0.65	
Conv. Total (cfs)	173.9	Conv. (cfs)		173.9	
Length Wtd. (ft)	28.00	Wetted Per. (ft)		16.72	
Min Ch El (ft)	7098.00	Shear (lb/sq ft)		0.43	
Alpha	1.00	Stream Power (lb/ft s)		0.72	
Frctn Loss (ft)	0.30	Cum Volume (acre-ft)		1.47	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.67	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4444.00* Profile: Q010

E.G. Elev (ft)	7098.56	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.069	
W.S. Elev (ft)	7098.52	Reach Len. (ft)	28.00	28.00	28.00
Crit W.S. (ft)		Flow Area (sq ft)		10.80	
E.G. Slope (ft/ft)	0.010731	Area (sq ft)		10.80	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	16.52	Top Width (ft)		16.52	
Vel Total (ft/s)	1.67	Avg. Vel. (ft/s)		1.67	
Max Chl Dpth (ft)	0.81	Hydr. Depth (ft)		0.65	
Conv. Total (cfs)	173.8	Conv. (cfs)		173.8	
Length Wtd. (ft)	28.00	Wetted Per. (ft)		16.72	
Min Ch El (ft)	7097.70	Shear (lb/sq ft)		0.43	
Alpha	1.00	Stream Power (lb/ft s)		0.72	
Frctn Loss (ft)	0.30	Cum Volume (acre-ft)		1.46	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.66	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4416.00* Profile: Q010

E.G. Elev (ft)	7098.26	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.069	
W.S. Elev (ft)	7098.21	Reach Len. (ft)	28.00	28.00	28.00
Crit W.S. (ft)		Flow Area (sq ft)		10.80	
E.G. Slope (ft/ft)	0.010731	Area (sq ft)		10.80	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	16.52	Top Width (ft)		16.52	
Vel Total (ft/s)	1.67	Avg. Vel. (ft/s)		1.67	
Max Chl Dpth (ft)	0.81	Hydr. Depth (ft)		0.65	
Conv. Total (cfs)	173.8	Conv. (cfs)		173.8	
Length Wtd. (ft)	28.00	Wetted Per. (ft)		16.72	
Min Ch El (ft)	7097.40	Shear (lb/sq ft)		0.43	
Alpha	1.00	Stream Power (lb/ft s)		0.72	
Frctn Loss (ft)	0.30	Cum Volume (acre-ft)		1.46	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.65	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4388.00* Profile: Q010

E.G. Elev (ft)	7097.96	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.069	
W.S. Elev (ft)	7097.92	Reach Len. (ft)	28.00	28.00	28.00
Crit W.S. (ft)		Flow Area (sq ft)		10.81	
E.G. Slope (ft/ft)	0.010708	Area (sq ft)		10.81	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	16.52	Top Width (ft)		16.52	
Vel Total (ft/s)	1.67	Avg. Vel. (ft/s)		1.67	
Max Chl Dpth (ft)	0.81	Hydr. Depth (ft)		0.65	
Conv. Total (cfs)	173.9	Conv. (cfs)		173.9	
Length Wtd. (ft)	28.00	Wetted Per. (ft)		16.72	
Min Ch El (ft)	7097.10	Shear (lb/sq ft)		0.43	
Alpha	1.00	Stream Power (lb/ft s)		0.72	
Frctn Loss (ft)	0.30	Cum Volume (acre-ft)		1.45	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.64	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4360.00* Profile: Q010

E.G. Elev (ft)	7097.66	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.069	
W.S. Elev (ft)	7097.61	Reach Len. (ft)	28.00	28.00	28.00
Crit W.S. (ft)		Flow Area (sq ft)		10.79	
E.G. Slope (ft/ft)	0.010754	Area (sq ft)		10.79	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	16.51	Top Width (ft)		16.51	
Vel Total (ft/s)	1.67	Avg. Vel. (ft/s)		1.67	
Max Chl Dpth (ft)	0.81	Hydr. Depth (ft)		0.65	
Conv. Total (cfs)	173.6	Conv. (cfs)		173.6	
Length Wtd. (ft)	28.00	Wetted Per. (ft)		16.71	
Min Ch El (ft)	7096.80	Shear (lb/sq ft)		0.43	
Alpha	1.00	Stream Power (lb/ft s)		0.72	
Frctn Loss (ft)	0.30	Cum Volume (acre-ft)		1.44	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.63	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4332.00* Profile: Q010

E.G. Elev (ft)	7097.36	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.069	
W.S. Elev (ft)	7097.32	Reach Len. (ft)	28.00	28.00	28.00
Crit W.S. (ft)		Flow Area (sq ft)		10.87	
E.G. Slope (ft/ft)	0.010526	Area (sq ft)		10.87	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	16.55	Top Width (ft)		16.55	
Vel Total (ft/s)	1.66	Avg. Vel. (ft/s)		1.66	
Max Chl Dpth (ft)	0.82	Hydr. Depth (ft)		0.66	
Conv. Total (cfs)	175.4	Conv. (cfs)		175.4	
Length Wtd. (ft)	28.00	Wetted Per. (ft)		16.75	
Min Ch El (ft)	7096.50	Shear (lb/sq ft)		0.43	
Alpha	1.00	Stream Power (lb/ft s)		0.71	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)		1.44	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.62	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4304.00* Profile: Q010

E.G. Elev (ft)	7097.08	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.069	
W.S. Elev (ft)	7097.04	Reach Len. (ft)	28.00	28.00	28.00
Crit W.S. (ft)		Flow Area (sq ft)		11.14	
E.G. Slope (ft/ft)	0.009807	Area (sq ft)		11.14	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	16.68	Top Width (ft)		16.68	
Vel Total (ft/s)	1.62	Avg. Vel. (ft/s)		1.62	
Max Chl Dpth (ft)	0.83	Hydr. Depth (ft)		0.67	
Conv. Total (cfs)	181.8	Conv. (cfs)		181.8	
Length Wtd. (ft)	28.00	Wetted Per. (ft)		16.89	
Min Ch El (ft)	7096.20	Shear (lb/sq ft)		0.40	
Alpha	1.00	Stream Power (lb/ft s)		0.65	
Frctn Loss (ft)	0.36	Cum Volume (acre-ft)		1.43	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.61	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4276 Profile: Q010

E.G. Elev (ft)	7096.72	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.078	
W.S. Elev (ft)	7096.66	Reach Len. (ft)	25.00	25.20	25.00
Crit W.S. (ft)		Flow Area (sq ft)		9.98	
E.G. Slope (ft/ft)	0.017258	Area (sq ft)		9.98	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	16.11	Top Width (ft)		16.11	
Vel Total (ft/s)	1.80	Avg. Vel. (ft/s)		1.80	
Max Chl Dpth (ft)	0.76	Hydr. Depth (ft)		0.62	
Conv. Total (cfs)	137.0	Conv. (cfs)		137.0	
Length Wtd. (ft)	25.20	Wetted Per. (ft)		16.30	
Min Ch El (ft)	7095.90	Shear (lb/sq ft)		0.66	
Alpha	1.00	Stream Power (lb/ft s)		1.19	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		1.42	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.60	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4250.80* Profile: Q010

E.G. Elev (ft)	7096.29	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.078	
W.S. Elev (ft)	7096.25	Reach Len. (ft)	25.00	25.20	25.00
Crit W.S. (ft)		Flow Area (sq ft)		10.45	
E.G. Slope (ft/ft)	0.016651	Area (sq ft)		10.45	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	17.64	Top Width (ft)		17.64	
Vel Total (ft/s)	1.72	Avg. Vel. (ft/s)		1.72	
Max Chl Dpth (ft)	0.71	Hydr. Depth (ft)		0.59	
Conv. Total (cfs)	139.5	Conv. (cfs)		139.5	
Length Wtd. (ft)	25.20	Wetted Per. (ft)		17.81	
Min Ch El (ft)	7095.54	Shear (lb/sq ft)		0.61	
Alpha	1.00	Stream Power (lb/ft s)		1.05	
Frctn Loss (ft)	0.41	Cum Volume (acre-ft)		1.42	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.59	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4225.60* Profile: Q010

E.G. Elev (ft)	7095.88	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.078	
W.S. Elev (ft)	7095.84	Reach Len. (ft)	25.00	25.20	25.00
Crit W.S. (ft)		Flow Area (sq ft)		10.91	
E.G. Slope (ft/ft)	0.016170	Area (sq ft)		10.91	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	19.25	Top Width (ft)		19.25	
Vel Total (ft/s)	1.65	Avg. Vel. (ft/s)		1.65	
Max Chl Dpth (ft)	0.66	Hydr. Depth (ft)		0.57	
Conv. Total (cfs)	141.6	Conv. (cfs)		141.6	
Length Wtd. (ft)	25.20	Wetted Per. (ft)		19.41	
Min Ch El (ft)	7095.18	Shear (lb/sq ft)		0.57	
Alpha	1.00	Stream Power (lb/ft s)		0.94	
Frctn Loss (ft)	0.41	Cum Volume (acre-ft)		1.41	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.58	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4200.40* Profile: Q010

E.G. Elev (ft)	7095.47	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.078	
W.S. Elev (ft)	7095.43	Reach Len. (ft)	25.00	25.20	25.00
Crit W.S. (ft)		Flow Area (sq ft)		11.20	
E.G. Slope (ft/ft)	0.016446	Area (sq ft)		11.20	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	20.86	Top Width (ft)		20.86	
Vel Total (ft/s)	1.61	Avg. Vel. (ft/s)		1.61	
Max Chl Dpth (ft)	0.61	Hydr. Depth (ft)		0.54	
Conv. Total (cfs)	140.4	Conv. (cfs)		140.4	
Length Wtd. (ft)	25.20	Wetted Per. (ft)		21.01	
Min Ch El (ft)	7094.82	Shear (lb/sq ft)		0.55	
Alpha	1.00	Stream Power (lb/ft s)		0.88	
Frctn Loss (ft)	0.35	Cum Volume (acre-ft)		1.40	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.57	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4175.20* Profile: Q010

E.G. Elev (ft)	7095.12	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.078	
W.S. Elev (ft)	7095.09	Reach Len. (ft)	25.00	25.20	25.00
Crit W.S. (ft)		Flow Area (sq ft)		12.88	
E.G. Slope (ft/ft)	0.011780	Area (sq ft)		12.88	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	23.02	Top Width (ft)		23.02	
Vel Total (ft/s)	1.40	Avg. Vel. (ft/s)		1.40	
Max Chl Dpth (ft)	0.63	Hydr. Depth (ft)		0.56	
Conv. Total (cfs)	165.8	Conv. (cfs)		165.8	
Length Wtd. (ft)	25.20	Wetted Per. (ft)		23.18	
Min Ch El (ft)	7094.46	Shear (lb/sq ft)		0.41	
Alpha	1.00	Stream Power (lb/ft s)		0.57	
Frctn Loss (ft)	0.57	Cum Volume (acre-ft)		1.40	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.55	0.04

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4150 Profile: Q010

E.G. Elev (ft)	7094.55	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.		0.078	
W.S. Elev (ft)	7094.47	Reach Len. (ft)	13.33	13.33	11.17
Crit W.S. (ft)		Flow Area (sq ft)		7.95	
E.G. Slope (ft/ft)	0.058400	Area (sq ft)		7.95	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	22.96	Top Width (ft)		22.96	
Vel Total (ft/s)	2.26	Avg. Vel. (ft/s)		2.26	
Max Chl Dpth (ft)	0.37	Hydr. Depth (ft)		0.35	
Conv. Total (cfs)	74.5	Conv. (cfs)		74.5	
Length Wtd. (ft)	13.33	Wetted Per. (ft)		23.05	
Min Ch El (ft)	7094.10	Shear (lb/sq ft)		1.26	
Alpha	1.00	Stream Power (lb/ft s)		2.85	
Frctn Loss (ft)	0.81	Cum Volume (acre-ft)		1.39	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.54	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4136.67* Profile: Q010

E.G. Elev (ft)	7093.74	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.		0.078	
W.S. Elev (ft)	7093.66	Reach Len. (ft)	13.33	13.33	11.17
Crit W.S. (ft)		Flow Area (sq ft)		7.81	
E.G. Slope (ft/ft)	0.062871	Area (sq ft)		7.81	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	23.25	Top Width (ft)		23.25	
Vel Total (ft/s)	2.30	Avg. Vel. (ft/s)		2.30	
Max Chl Dpth (ft)	0.36	Hydr. Depth (ft)		0.34	
Conv. Total (cfs)	71.8	Conv. (cfs)		71.8	
Length Wtd. (ft)	13.33	Wetted Per. (ft)		23.33	
Min Ch El (ft)	7093.30	Shear (lb/sq ft)		1.31	
Alpha	1.00	Stream Power (lb/ft s)		3.03	
Frctn Loss (ft)	0.80	Cum Volume (acre-ft)		1.39	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.53	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4123.33* Profile: Q010

E.G. Elev (ft)	7092.95	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.		0.078	
W.S. Elev (ft)	7092.87	Reach Len. (ft)	13.33	13.33	11.17
Crit W.S. (ft)		Flow Area (sq ft)		8.09	
E.G. Slope (ft/ft)	0.057691	Area (sq ft)		8.09	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	23.75	Top Width (ft)		23.75	
Vel Total (ft/s)	2.23	Avg. Vel. (ft/s)		2.23	
Max Chl Dpth (ft)	0.37	Hydr. Depth (ft)		0.34	
Conv. Total (cfs)	74.9	Conv. (cfs)		74.9	
Length Wtd. (ft)	13.33	Wetted Per. (ft)		23.82	
Min Ch El (ft)	7092.50	Shear (lb/sq ft)		1.22	
Alpha	1.00	Stream Power (lb/ft s)		2.72	
Frctn Loss (ft)	0.81	Cum Volume (acre-ft)		1.39	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.53	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4110.00* Profile: Q010

E.G. Elev (ft)	7092.14	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.		0.078	
W.S. Elev (ft)	7092.06	Reach Len. (ft)	13.33	13.33	11.17
Crit W.S. (ft)		Flow Area (sq ft)		7.87	
E.G. Slope (ft/ft)	0.064371	Area (sq ft)		7.87	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	24.07	Top Width (ft)		24.07	
Vel Total (ft/s)	2.29	Avg. Vel. (ft/s)		2.29	
Max Chl Dpth (ft)	0.36	Hydr. Depth (ft)		0.33	
Conv. Total (cfs)	70.9	Conv. (cfs)		70.9	
Length Wtd. (ft)	13.33	Wetted Per. (ft)		24.14	
Min Ch El (ft)	7091.70	Shear (lb/sq ft)		1.31	
Alpha	1.00	Stream Power (lb/ft s)		3.00	
Frctn Loss (ft)	0.80	Cum Volume (acre-ft)		1.38	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.52	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4096.67* Profile: Q010

E.G. Elev (ft)	7091.34	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.07	Wt. n-Val.		0.078	
W.S. Elev (ft)	7091.27	Reach Len. (ft)	13.33	13.33	11.17
Crit W.S. (ft)		Flow Area (sq ft)		8.29	
E.G. Slope (ft/ft)	0.055996	Area (sq ft)		8.29	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	24.75	Top Width (ft)		24.75	
Vel Total (ft/s)	2.17	Avg. Vel. (ft/s)		2.17	
Max Chl Dpth (ft)	0.37	Hydr. Depth (ft)		0.34	
Conv. Total (cfs)	76.1	Conv. (cfs)		76.1	
Length Wtd. (ft)	13.33	Wetted Per. (ft)		24.82	
Min Ch El (ft)	7090.90	Shear (lb/sq ft)		1.17	
Alpha	1.00	Stream Power (lb/ft s)		2.54	
Frctn Loss (ft)	0.82	Cum Volume (acre-ft)		1.38	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.51	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4083.33* Profile: Q010

E.G. Elev (ft)	7090.53	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.		0.078	
W.S. Elev (ft)	7090.45	Reach Len. (ft)	13.33	13.33	11.17
Crit W.S. (ft)		Flow Area (sq ft)		7.88	
E.G. Slope (ft/ft)	0.067551	Area (sq ft)		7.88	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	25.06	Top Width (ft)		25.06	
Vel Total (ft/s)	2.29	Avg. Vel. (ft/s)		2.29	
Max Chl Dpth (ft)	0.35	Hydr. Depth (ft)		0.31	
Conv. Total (cfs)	69.3	Conv. (cfs)		69.3	
Length Wtd. (ft)	13.33	Wetted Per. (ft)		25.12	
Min Ch El (ft)	7090.10	Shear (lb/sq ft)		1.32	
Alpha	1.00	Stream Power (lb/ft s)		3.02	
Frctn Loss (ft)	0.79	Cum Volume (acre-ft)		1.38	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.50	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4070 Profile: Q010

E.G. Elev (ft)	7089.74	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.07	Wt. n-Val.		0.078	
W.S. Elev (ft)	7089.67	Reach Len. (ft)	10.21	14.59	21.79
Crit W.S. (ft)		Flow Area (sq ft)		8.64	
E.G. Slope (ft/ft)	0.052523	Area (sq ft)		8.64	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	26.12	Top Width (ft)		26.12	
Vel Total (ft/s)	2.08	Avg. Vel. (ft/s)		2.08	
Max Chl Dpth (ft)	0.37	Hydr. Depth (ft)		0.33	
Conv. Total (cfs)	78.5	Conv. (cfs)		78.5	
Length Wtd. (ft)	14.59	Wetted Per. (ft)		26.19	
Min Ch El (ft)	7089.30	Shear (lb/sq ft)		1.08	
Alpha	1.00	Stream Power (lb/ft s)		2.25	
Frctn Loss (ft)	0.63	Cum Volume (acre-ft)		1.38	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.50	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4055.40* Profile: Q010

E.G. Elev (ft)	7089.12	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.07	Wt. n-Val.		0.069	
W.S. Elev (ft)	7089.05	Reach Len. (ft)	10.21	14.59	21.79
Crit W.S. (ft)		Flow Area (sq ft)		8.78	
E.G. Slope (ft/ft)	0.036422	Area (sq ft)		8.78	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	24.86	Top Width (ft)		24.86	
Vel Total (ft/s)	2.05	Avg. Vel. (ft/s)		2.05	
Max Chl Dpth (ft)	0.43	Hydr. Depth (ft)		0.35	
Conv. Total (cfs)	94.3	Conv. (cfs)		94.3	
Length Wtd. (ft)	14.59	Wetted Per. (ft)		24.91	
Min Ch El (ft)	7088.62	Shear (lb/sq ft)		0.80	
Alpha	1.00	Stream Power (lb/ft s)		1.64	
Frctn Loss (ft)	0.67	Cum Volume (acre-ft)		1.37	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.49	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4040.80* Profile: Q010

E.G. Elev (ft)	7088.45	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.09	Wt. n-Val.		0.069	
W.S. Elev (ft)	7088.36	Reach Len. (ft)	10.21	14.59	21.79
Crit W.S. (ft)		Flow Area (sq ft)		7.37	
E.G. Slope (ft/ft)	0.060359	Area (sq ft)		7.37	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	23.49	Top Width (ft)		23.49	
Vel Total (ft/s)	2.44	Avg. Vel. (ft/s)		2.44	
Max Chl Dpth (ft)	0.42	Hydr. Depth (ft)		0.31	
Conv. Total (cfs)	73.3	Conv. (cfs)		73.3	
Length Wtd. (ft)	14.59	Wetted Per. (ft)		23.52	
Min Ch El (ft)	7087.94	Shear (lb/sq ft)		1.18	
Alpha	1.00	Stream Power (lb/ft s)		2.88	
Frctn Loss (ft)	0.60	Cum Volume (acre-ft)		1.37	0.01
C & E Loss (ft)	0.01	Cum SA (acres)		3.48	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4026.20* Profile: Q010

E.G. Elev (ft)	7087.84	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.06	Wt. n-Val.		0.069	
W.S. Elev (ft)	7087.79	Reach Len. (ft)	10.21	14.59	21.79
Crit W.S. (ft)	7087.65	Flow Area (sq ft)		9.48	
E.G. Slope (ft/ft)	0.029817	Area (sq ft)		9.48	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	25.95	Top Width (ft)		25.95	
Vel Total (ft/s)	1.90	Avg. Vel. (ft/s)		1.90	
Max Chl Dpth (ft)	0.53	Hydr. Depth (ft)		0.37	
Conv. Total (cfs)	104.2	Conv. (cfs)		104.2	
Length Wtd. (ft)	14.59	Wetted Per. (ft)		25.98	
Min Ch El (ft)	7087.26	Shear (lb/sq ft)		0.68	
Alpha	1.00	Stream Power (lb/ft s)		1.29	
Frctn Loss (ft)	0.74	Cum Volume (acre-ft)		1.37	0.01
C & E Loss (ft)	0.01	Cum SA (acres)		3.47	0.04

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4011.60* Profile: Q010

E.G. Elev (ft)	7087.09	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.		0.069	
W.S. Elev (ft)	7086.97	Reach Len. (ft)	10.21	14.59	21.79
Crit W.S. (ft)	7086.97	Flow Area (sq ft)		6.48	
E.G. Slope (ft/ft)	0.106802	Area (sq ft)		6.48	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	26.15	Top Width (ft)		26.15	
Vel Total (ft/s)	2.78	Avg. Vel. (ft/s)		2.78	
Max Chl Dpth (ft)	0.39	Hydr. Depth (ft)		0.25	
Conv. Total (cfs)	55.1	Conv. (cfs)		55.1	
Length Wtd. (ft)	14.59	Wetted Per. (ft)		26.17	
Min Ch El (ft)	7086.58	Shear (lb/sq ft)		1.65	
Alpha	1.00	Stream Power (lb/ft s)		4.59	
Frctn Loss (ft)	0.55	Cum Volume (acre-ft)		1.37	0.01
C & E Loss (ft)	0.02	Cum SA (acres)		3.46	0.04

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Warning:	During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3997 Profile: Q010

E.G. Elev (ft)	7086.42	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.069	
W.S. Elev (ft)	7086.38	Reach Len. (ft)	20.81	19.49	18.35
Crit W.S. (ft)	7086.21	Flow Area (sq ft)		11.17	
E.G. Slope (ft/ft)	0.019202	Area (sq ft)		11.17	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	28.07	Top Width (ft)		28.07	
Vel Total (ft/s)	1.61	Avg. Vel. (ft/s)		1.61	
Max Chl Dpth (ft)	0.48	Hydr. Depth (ft)		0.40	
Conv. Total (cfs)	129.9	Conv. (cfs)		129.9	
Length Wtd. (ft)	19.49	Wetted Per. (ft)		28.16	
Min Ch El (ft)	7085.90	Shear (lb/sq ft)		0.48	
Alpha	1.00	Stream Power (lb/ft s)		0.77	
Frctn Loss (ft)	0.38	Cum Volume (acre-ft)		1.36	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.45	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3977.50* Profile: Q010

E.G. Elev (ft)	7086.05	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.069	
W.S. Elev (ft)	7086.01	Reach Len. (ft)	20.81	19.49	18.35
Crit W.S. (ft)		Flow Area (sq ft)		11.03	
E.G. Slope (ft/ft)	0.019743	Area (sq ft)		11.03	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	27.76	Top Width (ft)		27.76	
Vel Total (ft/s)	1.63	Avg. Vel. (ft/s)		1.63	
Max Chl Dpth (ft)	0.49	Hydr. Depth (ft)		0.40	
Conv. Total (cfs)	128.1	Conv. (cfs)		128.1	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3977.50* Profile: Q010 (Continued)

Length Wtd. (ft)	19.49	Wetted Per. (ft)		27.83	
Min Ch El (ft)	7085.52	Shear (lb/sq ft)		0.49	
Alpha	1.00	Stream Power (lb/ft s)		0.80	
Frctn Loss (ft)	0.36	Cum Volume (acre-ft)		1.36	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.44	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3958.00* Profile: Q010

E.G. Elev (ft)	7085.69	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.069	
W.S. Elev (ft)	7085.65	Reach Len. (ft)	20.81	19.49	18.35
Crit W.S. (ft)		Flow Area (sq ft)		11.39	
E.G. Slope (ft/ft)	0.017538	Area (sq ft)		11.39	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	27.51	Top Width (ft)		27.51	
Vel Total (ft/s)	1.58	Avg. Vel. (ft/s)		1.58	
Max Chl Dpth (ft)	0.52	Hydr. Depth (ft)		0.41	
Conv. Total (cfs)	135.9	Conv. (cfs)		135.9	
Length Wtd. (ft)	19.49	Wetted Per. (ft)		27.58	
Min Ch El (ft)	7085.13	Shear (lb/sq ft)		0.45	
Alpha	1.00	Stream Power (lb/ft s)		0.71	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		1.35	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.43	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3938.50* Profile: Q010

E.G. Elev (ft)	7085.26	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.069	
W.S. Elev (ft)	7085.21	Reach Len. (ft)	20.81	19.49	18.35
Crit W.S. (ft)		Flow Area (sq ft)		9.74	
E.G. Slope (ft/ft)	0.027898	Area (sq ft)		9.74	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	26.41	Top Width (ft)		26.41	
Vel Total (ft/s)	1.85	Avg. Vel. (ft/s)		1.85	
Max Chl Dpth (ft)	0.46	Hydr. Depth (ft)		0.37	
Conv. Total (cfs)	107.8	Conv. (cfs)		107.8	
Length Wtd. (ft)	19.49	Wetted Per. (ft)		26.47	
Min Ch El (ft)	7084.75	Shear (lb/sq ft)		0.64	
Alpha	1.00	Stream Power (lb/ft s)		1.18	
Frctn Loss (ft)	0.42	Cum Volume (acre-ft)		1.35	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.42	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3919.00* Profile: Q010

E.G. Elev (ft)	7084.84	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.		0.040	
W.S. Elev (ft)	7084.76	Reach Len. (ft)	20.81	19.49	18.35
Crit W.S. (ft)		Flow Area (sq ft)		8.01	
E.G. Slope (ft/ft)	0.017127	Area (sq ft)		8.01	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	25.46	Top Width (ft)		25.46	
Vel Total (ft/s)	2.25	Avg. Vel. (ft/s)		2.25	
Max Chl Dpth (ft)	0.39	Hydr. Depth (ft)		0.31	
Conv. Total (cfs)	137.5	Conv. (cfs)		137.5	
Length Wtd. (ft)	19.49	Wetted Per. (ft)		25.51	
Min Ch El (ft)	7084.37	Shear (lb/sq ft)		0.34	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3919.00* Profile: Q010 (Continued)

Alpha	1.00	Stream Power (lb/ft s)		0.75	
Frctn Loss (ft)	0.41	Cum Volume (acre-ft)		1.34	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.40	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3899.50* Profile: Q010

E.G. Elev (ft)	7084.43	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.040	
W.S. Elev (ft)	7084.33	Reach Len. (ft)	20.81	19.49	18.35
Crit W.S. (ft)		Flow Area (sq ft)		7.00	
E.G. Slope (ft/ft)	0.026075	Area (sq ft)		7.00	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	24.93	Top Width (ft)		24.93	
Vel Total (ft/s)	2.57	Avg. Vel. (ft/s)		2.57	
Max Chl Dpth (ft)	0.35	Hydr. Depth (ft)		0.28	
Conv. Total (cfs)	111.5	Conv. (cfs)		111.5	
Length Wtd. (ft)	19.49	Wetted Per. (ft)		24.98	
Min Ch EI (ft)	7083.98	Shear (lb/sq ft)		0.46	
Alpha	1.00	Stream Power (lb/ft s)		1.17	
Frctn Loss (ft)	0.34	Cum Volume (acre-ft)		1.34	0.01
C & E Loss (ft)	0.01	Cum SA (acres)		3.39	0.04

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3880 Profile: Q010

E.G. Elev (ft)	7084.08	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.06	Wt. n-Val.		0.040	
W.S. Elev (ft)	7084.02	Reach Len. (ft)	35.00	36.00	36.60
Crit W.S. (ft)		Flow Area (sq ft)		8.88	
E.G. Slope (ft/ft)	0.012227	Area (sq ft)		8.88	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	25.53	Top Width (ft)		25.53	
Vel Total (ft/s)	2.03	Avg. Vel. (ft/s)		2.03	
Max Chl Dpth (ft)	0.42	Hydr. Depth (ft)		0.35	
Conv. Total (cfs)	162.8	Conv. (cfs)		162.8	
Length Wtd. (ft)	36.00	Wetted Per. (ft)		25.61	
Min Ch EI (ft)	7083.60	Shear (lb/sq ft)		0.26	
Alpha	1.00	Stream Power (lb/ft s)		0.54	
Frctn Loss (ft)	0.57	Cum Volume (acre-ft)		1.34	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.38	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3844.00* Profile: Q010

E.G. Elev (ft)	7083.52	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.09	Wt. n-Val.		0.040	
W.S. Elev (ft)	7083.43	Reach Len. (ft)	35.00	36.00	36.60
Crit W.S. (ft)		Flow Area (sq ft)		7.49	
E.G. Slope (ft/ft)	0.020882	Area (sq ft)		7.49	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	24.97	Top Width (ft)		24.97	
Vel Total (ft/s)	2.40	Avg. Vel. (ft/s)		2.40	
Max Chl Dpth (ft)	0.37	Hydr. Depth (ft)		0.30	
Conv. Total (cfs)	124.6	Conv. (cfs)		124.6	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3844.00* Profile: Q010 (Continued)

Length Wtd. (ft)	36.00	Wetted Per. (ft)		25.02	
Min Ch EI (ft)	7083.06	Shear (lb/sq ft)		0.39	
Alpha	1.00	Stream Power (lb/ft s)		0.94	
Frctn Loss (ft)	0.48	Cum Volume (acre-ft)		1.33	0.01
C & E Loss (ft)	0.01	Cum SA (acres)		3.36	0.04

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3808.00* Profile: Q010

E.G. Elev (ft)	7083.04	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.040	
W.S. Elev (ft)	7082.98	Reach Len. (ft)	35.00	36.00	36.60
Crit W.S. (ft)	7082.85	Flow Area (sq ft)		9.76	
E.G. Slope (ft/ft)	0.009221	Area (sq ft)		9.76	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	26.19	Top Width (ft)		26.19	
Vel Total (ft/s)	1.84	Avg. Vel. (ft/s)		1.84	
Max Chl Dpth (ft)	0.46	Hydr. Depth (ft)		0.37	
Conv. Total (cfs)	187.5	Conv. (cfs)		187.5	
Length Wtd. (ft)	36.00	Wetted Per. (ft)		26.25	
Min Ch EI (ft)	7082.52	Shear (lb/sq ft)		0.21	
Alpha	1.00	Stream Power (lb/ft s)		0.39	
Frctn Loss (ft)	0.59	Cum Volume (acre-ft)		1.32	0.01
C & E Loss (ft)	0.01	Cum SA (acres)		3.34	0.04

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3772.00* Profile: Q010

E.G. Elev (ft)	7082.44	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.13	Wt. n-Val.		0.040	
W.S. Elev (ft)	7082.31	Reach Len. (ft)	35.00	36.00	36.60
Crit W.S. (ft)	7082.31	Flow Area (sq ft)		6.31	
E.G. Slope (ft/ft)	0.037303	Area (sq ft)		6.31	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	25.19	Top Width (ft)		25.19	
Vel Total (ft/s)	2.85	Avg. Vel. (ft/s)		2.85	
Max Chl Dpth (ft)	0.33	Hydr. Depth (ft)		0.25	
Conv. Total (cfs)	93.2	Conv. (cfs)		93.2	
Length Wtd. (ft)	36.00	Wetted Per. (ft)		25.22	
Min Ch EI (ft)	7081.98	Shear (lb/sq ft)		0.58	
Alpha	1.00	Stream Power (lb/ft s)		1.66	
Frctn Loss (ft)	0.23	Cum Volume (acre-ft)		1.32	0.01
C & E Loss (ft)	0.03	Cum SA (acres)		3.32	0.04

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Warning:	During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated

Errors Warnings and Notes (Continued)

	water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3736.00* Profile: Q010

E.G. Elev (ft)	7082.09	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7082.07	Reach Len. (ft)	35.00	36.00	36.60
Crit W.S. (ft)	7081.77	Flow Area (sq ft)		14.97	
E.G. Slope (ft/ft)	0.002493	Area (sq ft)		14.97	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	28.55	Top Width (ft)		28.55	
Vel Total (ft/s)	1.20	Avg. Vel. (ft/s)		1.20	
Max Chl Dpth (ft)	0.63	Hydr. Depth (ft)		0.52	
Conv. Total (cfs)	360.5	Conv. (cfs)		360.5	
Length Wtd. (ft)	36.00	Wetted Per. (ft)		28.67	
Min Ch EI (ft)	7081.44	Shear (lb/sq ft)		0.08	
Alpha	1.00	Stream Power (lb/ft s)		0.10	
Frctn Loss (ft)	0.29	Cum Volume (acre-ft)		1.31	0.01
C & E Loss (ft)	0.01	Cum SA (acres)		3.30	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3700 Profile: Q010

E.G. Elev (ft)	7081.80	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.		0.069	
W.S. Elev (ft)	7081.72	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		21.15	
E.G. Slope (ft/ft)	0.017260	Area (sq ft)		21.15	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	30.19	Top Width (ft)		30.19	
Vel Total (ft/s)	2.22	Avg. Vel. (ft/s)		2.22	
Max Chl Dpth (ft)	0.82	Hydr. Depth (ft)		0.70	
Conv. Total (cfs)	357.7	Conv. (cfs)		357.7	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		30.40	
Min Ch EI (ft)	7080.90	Shear (lb/sq ft)		0.75	
Alpha	1.00	Stream Power (lb/ft s)		1.67	
Frctn Loss (ft)	0.44	Cum Volume (acre-ft)		1.29	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.27	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3675.00* Profile: Q010

E.G. Elev (ft)	7081.37	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.		0.069	
W.S. Elev (ft)	7081.29	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		21.27	
E.G. Slope (ft/ft)	0.017565	Area (sq ft)		21.27	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	31.04	Top Width (ft)		31.04	
Vel Total (ft/s)	2.21	Avg. Vel. (ft/s)		2.21	
Max Chl Dpth (ft)	0.81	Hydr. Depth (ft)		0.69	
Conv. Total (cfs)	354.6	Conv. (cfs)		354.6	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		31.23	
Min Ch EI (ft)	7080.48	Shear (lb/sq ft)		0.75	
Alpha	1.00	Stream Power (lb/ft s)		1.65	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		1.28	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.26	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3650.00* Profile: Q010

E.G. Elev (ft)	7080.93	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.07	Wt. n-Val.		0.069	
W.S. Elev (ft)	7080.86	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		21.62	
E.G. Slope (ft/ft)	0.017234	Area (sq ft)		21.62	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	31.91	Top Width (ft)		31.91	
Vel Total (ft/s)	2.17	Avg. Vel. (ft/s)		2.17	
Max Chl Dpth (ft)	0.81	Hydr. Depth (ft)		0.68	
Conv. Total (cfs)	358.0	Conv. (cfs)		358.0	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		32.08	
Min Ch El (ft)	7080.05	Shear (lb/sq ft)		0.73	
Alpha	1.00	Stream Power (lb/ft s)		1.58	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		1.27	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.24	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3625.00* Profile: Q010

E.G. Elev (ft)	7080.50	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.07	Wt. n-Val.		0.069	
W.S. Elev (ft)	7080.42	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		21.77	
E.G. Slope (ft/ft)	0.017416	Area (sq ft)		21.77	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	32.73	Top Width (ft)		32.73	
Vel Total (ft/s)	2.16	Avg. Vel. (ft/s)		2.16	
Max Chl Dpth (ft)	0.80	Hydr. Depth (ft)		0.67	
Conv. Total (cfs)	356.1	Conv. (cfs)		356.1	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		32.88	
Min Ch El (ft)	7079.62	Shear (lb/sq ft)		0.72	
Alpha	1.00	Stream Power (lb/ft s)		1.55	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		1.26	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.22	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3600.00* Profile: Q010

E.G. Elev (ft)	7080.07	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.07	Wt. n-Val.		0.069	
W.S. Elev (ft)	7080.00	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		22.10	
E.G. Slope (ft/ft)	0.017172	Area (sq ft)		22.10	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	33.62	Top Width (ft)		33.62	
Vel Total (ft/s)	2.13	Avg. Vel. (ft/s)		2.13	
Max Chl Dpth (ft)	0.80	Hydr. Depth (ft)		0.66	
Conv. Total (cfs)	358.7	Conv. (cfs)		358.7	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		33.77	
Min Ch El (ft)	7079.20	Shear (lb/sq ft)		0.70	
Alpha	1.00	Stream Power (lb/ft s)		1.49	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		1.24	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.20	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3575.00* Profile: Q010

E.G. Elev (ft)	7079.63	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.07	Wt. n-Val.		0.069	
W.S. Elev (ft)	7079.56	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		22.23	
E.G. Slope (ft/ft)	0.017343	Area (sq ft)		22.23	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	34.39	Top Width (ft)		34.39	
Vel Total (ft/s)	2.11	Avg. Vel. (ft/s)		2.11	
Max Chl Dpth (ft)	0.79	Hydr. Depth (ft)		0.65	
Conv. Total (cfs)	356.9	Conv. (cfs)		356.9	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		34.53	
Min Ch El (ft)	7078.77	Shear (lb/sq ft)		0.70	
Alpha	1.00	Stream Power (lb/ft s)		1.47	
Frctn Loss (ft)	0.42	Cum Volume (acre-ft)		1.23	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.18	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3550.00* Profile: Q010

E.G. Elev (ft)	7079.21	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.06	Wt. n-Val.		0.069	
W.S. Elev (ft)	7079.15	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		23.06	
E.G. Slope (ft/ft)	0.015937	Area (sq ft)		23.06	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	35.38	Top Width (ft)		35.38	
Vel Total (ft/s)	2.04	Avg. Vel. (ft/s)		2.04	
Max Chl Dpth (ft)	0.80	Hydr. Depth (ft)		0.65	
Conv. Total (cfs)	372.3	Conv. (cfs)		372.3	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		35.52	
Min Ch El (ft)	7078.35	Shear (lb/sq ft)		0.65	
Alpha	1.00	Stream Power (lb/ft s)		1.32	
Frctn Loss (ft)	0.51	Cum Volume (acre-ft)		1.22	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.16	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3525.00* Profile: Q010

E.G. Elev (ft)	7078.70	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.09	Wt. n-Val.		0.069	
W.S. Elev (ft)	7078.61	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		19.59	
E.G. Slope (ft/ft)	0.027404	Area (sq ft)		19.59	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	35.37	Top Width (ft)		35.37	
Vel Total (ft/s)	2.40	Avg. Vel. (ft/s)		2.40	
Max Chl Dpth (ft)	0.69	Hydr. Depth (ft)		0.55	
Conv. Total (cfs)	283.9	Conv. (cfs)		283.9	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		35.49	
Min Ch El (ft)	7077.92	Shear (lb/sq ft)		0.94	
Alpha	1.00	Stream Power (lb/ft s)		2.27	
Frctn Loss (ft)	0.47	Cum Volume (acre-ft)		1.21	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.14	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3500 Profile: Q010

E.G. Elev (ft)	7078.23	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.11	Wt. n-Val.		0.040	
W.S. Elev (ft)	7078.12	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		17.47	
E.G. Slope (ft/ft)	0.013637	Area (sq ft)		17.47	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	35.68	Top Width (ft)		35.68	
Vel Total (ft/s)	2.69	Avg. Vel. (ft/s)		2.69	
Max Chl Dpth (ft)	0.62	Hydr. Depth (ft)		0.49	
Conv. Total (cfs)	402.5	Conv. (cfs)		402.5	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		35.78	
Min Ch El (ft)	7077.50	Shear (lb/sq ft)		0.42	
Alpha	1.00	Stream Power (lb/ft s)		1.12	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		1.19	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.12	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3480.77* Profile: Q010

E.G. Elev (ft)	7077.97	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.11	Wt. n-Val.		0.040	
W.S. Elev (ft)	7077.85	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		17.39	
E.G. Slope (ft/ft)	0.013974	Area (sq ft)		17.39	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	35.93	Top Width (ft)		35.93	
Vel Total (ft/s)	2.70	Avg. Vel. (ft/s)		2.70	
Max Chl Dpth (ft)	0.61	Hydr. Depth (ft)		0.48	
Conv. Total (cfs)	397.6	Conv. (cfs)		397.6	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		36.03	
Min Ch El (ft)	7077.24	Shear (lb/sq ft)		0.42	
Alpha	1.00	Stream Power (lb/ft s)		1.14	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		1.19	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.10	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3461.54* Profile: Q010

E.G. Elev (ft)	7077.70	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.11	Wt. n-Val.		0.040	
W.S. Elev (ft)	7077.59	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		17.53	
E.G. Slope (ft/ft)	0.013792	Area (sq ft)		17.53	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	36.30	Top Width (ft)		36.30	
Vel Total (ft/s)	2.68	Avg. Vel. (ft/s)		2.68	
Max Chl Dpth (ft)	0.61	Hydr. Depth (ft)		0.48	
Conv. Total (cfs)	400.2	Conv. (cfs)		400.2	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		36.39	
Min Ch El (ft)	7076.98	Shear (lb/sq ft)		0.41	
Alpha	1.00	Stream Power (lb/ft s)		1.11	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		1.18	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.09	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3442.31* Profile: Q010

E.G. Elev (ft)	7077.43	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.11	Wt. n-Val.		0.040	
W.S. Elev (ft)	7077.32	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		17.44	
E.G. Slope (ft/ft)	0.014199	Area (sq ft)		17.44	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	36.62	Top Width (ft)		36.62	
Vel Total (ft/s)	2.70	Avg. Vel. (ft/s)		2.70	
Max Chl Dpth (ft)	0.60	Hydr. Depth (ft)		0.48	
Conv. Total (cfs)	394.4	Conv. (cfs)		394.4	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		36.70	
Min Ch El (ft)	7076.72	Shear (lb/sq ft)		0.42	
Alpha	1.00	Stream Power (lb/ft s)		1.14	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		1.17	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.07	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3423.08* Profile: Q010

E.G. Elev (ft)	7077.16	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.11	Wt. n-Val.		0.040	
W.S. Elev (ft)	7077.05	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		17.65	
E.G. Slope (ft/ft)	0.013854	Area (sq ft)		17.65	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	37.07	Top Width (ft)		37.07	
Vel Total (ft/s)	2.66	Avg. Vel. (ft/s)		2.66	
Max Chl Dpth (ft)	0.60	Hydr. Depth (ft)		0.48	
Conv. Total (cfs)	399.3	Conv. (cfs)		399.3	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		37.15	
Min Ch El (ft)	7076.45	Shear (lb/sq ft)		0.41	
Alpha	1.00	Stream Power (lb/ft s)		1.09	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		1.16	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.06	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3403.85* Profile: Q010

E.G. Elev (ft)	7076.90	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.11	Wt. n-Val.		0.040	
W.S. Elev (ft)	7076.79	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		17.71	
E.G. Slope (ft/ft)	0.014004	Area (sq ft)		17.71	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	37.67	Top Width (ft)		37.67	
Vel Total (ft/s)	2.65	Avg. Vel. (ft/s)		2.65	
Max Chl Dpth (ft)	0.60	Hydr. Depth (ft)		0.47	
Conv. Total (cfs)	397.2	Conv. (cfs)		397.2	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		37.74	
Min Ch El (ft)	7076.19	Shear (lb/sq ft)		0.41	
Alpha	1.00	Stream Power (lb/ft s)		1.09	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		1.16	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.04	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3384.62* Profile: Q010

E.G. Elev (ft)	7076.63	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.11	Wt. n-Val.		0.040	
W.S. Elev (ft)	7076.52	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		17.81	
E.G. Slope (ft/ft)	0.014077	Area (sq ft)		17.81	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	38.39	Top Width (ft)		38.39	
Vel Total (ft/s)	2.64	Avg. Vel. (ft/s)		2.64	
Max Chl Dpth (ft)	0.59	Hydr. Depth (ft)		0.46	
Conv. Total (cfs)	396.1	Conv. (cfs)		396.1	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		38.45	
Min Ch El (ft)	7075.93	Shear (lb/sq ft)		0.41	
Alpha	1.00	Stream Power (lb/ft s)		1.07	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		1.15	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.02	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3365.39* Profile: Q010

E.G. Elev (ft)	7076.36	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.11	Wt. n-Val.		0.040	
W.S. Elev (ft)	7076.25	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		17.92	
E.G. Slope (ft/ft)	0.014240	Area (sq ft)		17.92	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	39.32	Top Width (ft)		39.32	
Vel Total (ft/s)	2.62	Avg. Vel. (ft/s)		2.62	
Max Chl Dpth (ft)	0.58	Hydr. Depth (ft)		0.46	
Conv. Total (cfs)	393.9	Conv. (cfs)		393.9	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		39.37	
Min Ch El (ft)	7075.67	Shear (lb/sq ft)		0.40	
Alpha	1.00	Stream Power (lb/ft s)		1.06	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		1.14	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.00	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3346.15* Profile: Q010

E.G. Elev (ft)	7076.09	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.040	
W.S. Elev (ft)	7075.99	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		18.14	
E.G. Slope (ft/ft)	0.014289	Area (sq ft)		18.14	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	40.64	Top Width (ft)		40.64	
Vel Total (ft/s)	2.59	Avg. Vel. (ft/s)		2.59	
Max Chl Dpth (ft)	0.58	Hydr. Depth (ft)		0.45	
Conv. Total (cfs)	393.2	Conv. (cfs)		393.2	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		40.69	
Min Ch El (ft)	7075.41	Shear (lb/sq ft)		0.40	
Alpha	1.00	Stream Power (lb/ft s)		1.03	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)		1.13	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.99	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3326.92* Profile: Q010

E.G. Elev (ft)	7075.82	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.040	
W.S. Elev (ft)	7075.71	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		18.22	
E.G. Slope (ft/ft)	0.014583	Area (sq ft)		18.22	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	41.75	Top Width (ft)		41.75	
Vel Total (ft/s)	2.58	Avg. Vel. (ft/s)		2.58	
Max Chl Dpth (ft)	0.56	Hydr. Depth (ft)		0.44	
Conv. Total (cfs)	389.2	Conv. (cfs)		389.2	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		41.80	
Min Ch El (ft)	7075.15	Shear (lb/sq ft)		0.40	
Alpha	1.00	Stream Power (lb/ft s)		1.02	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)		1.12	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.97	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3307.69* Profile: Q010

E.G. Elev (ft)	7075.54	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.040	
W.S. Elev (ft)	7075.43	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		18.32	
E.G. Slope (ft/ft)	0.014543	Area (sq ft)		18.32	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	42.21	Top Width (ft)		42.21	
Vel Total (ft/s)	2.57	Avg. Vel. (ft/s)		2.57	
Max Chl Dpth (ft)	0.55	Hydr. Depth (ft)		0.43	
Conv. Total (cfs)	389.7	Conv. (cfs)		389.7	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		42.27	
Min Ch El (ft)	7074.88	Shear (lb/sq ft)		0.39	
Alpha	1.00	Stream Power (lb/ft s)		1.01	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)		1.12	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.95	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3288.46* Profile: Q010

E.G. Elev (ft)	7075.26	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.040	
W.S. Elev (ft)	7075.16	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		18.40	
E.G. Slope (ft/ft)	0.014541	Area (sq ft)		18.40	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	42.64	Top Width (ft)		42.64	
Vel Total (ft/s)	2.55	Avg. Vel. (ft/s)		2.55	
Max Chl Dpth (ft)	0.54	Hydr. Depth (ft)		0.43	
Conv. Total (cfs)	389.8	Conv. (cfs)		389.8	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		42.71	
Min Ch El (ft)	7074.62	Shear (lb/sq ft)		0.39	
Alpha	1.00	Stream Power (lb/ft s)		1.00	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		1.11	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.93	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3269.23* Profile: Q010

E.G. Elev (ft)	7074.99	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.09	Wt. n-Val.		0.040	
W.S. Elev (ft)	7074.89	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		19.08	
E.G. Slope (ft/ft)	0.013092	Area (sq ft)		19.08	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	43.17	Top Width (ft)		43.17	
Vel Total (ft/s)	2.46	Avg. Vel. (ft/s)		2.46	
Max Chl Dpth (ft)	0.53	Hydr. Depth (ft)		0.44	
Conv. Total (cfs)	410.8	Conv. (cfs)		410.8	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		43.26	
Min Ch El (ft)	7074.36	Shear (lb/sq ft)		0.36	
Alpha	1.00	Stream Power (lb/ft s)		0.89	
Frctn Loss (ft)	0.30	Cum Volume (acre-ft)		1.10	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.91	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3250 Profile: Q010

E.G. Elev (ft)	7074.68	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.		0.040	
W.S. Elev (ft)	7074.57	Reach Len. (ft)	15.00	15.00	15.00
Crit W.S. (ft)		Flow Area (sq ft)		17.23	
E.G. Slope (ft/ft)	0.018396	Area (sq ft)		17.23	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	43.17	Top Width (ft)		43.17	
Vel Total (ft/s)	2.73	Avg. Vel. (ft/s)		2.73	
Max Chl Dpth (ft)	0.47	Hydr. Depth (ft)		0.40	
Conv. Total (cfs)	346.5	Conv. (cfs)		346.5	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		43.26	
Min Ch El (ft)	7074.10	Shear (lb/sq ft)		0.46	
Alpha	1.00	Stream Power (lb/ft s)		1.25	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)		1.09	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.89	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3235.00* Profile: Q010

E.G. Elev (ft)	7074.41	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.		0.040	
W.S. Elev (ft)	7074.29	Reach Len. (ft)	15.00	15.00	15.00
Crit W.S. (ft)		Flow Area (sq ft)		17.15	
E.G. Slope (ft/ft)	0.018336	Area (sq ft)		17.15	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	42.58	Top Width (ft)		42.58	
Vel Total (ft/s)	2.74	Avg. Vel. (ft/s)		2.74	
Max Chl Dpth (ft)	0.47	Hydr. Depth (ft)		0.40	
Conv. Total (cfs)	347.1	Conv. (cfs)		347.1	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		42.66	
Min Ch El (ft)	7073.82	Shear (lb/sq ft)		0.46	
Alpha	1.00	Stream Power (lb/ft s)		1.26	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)		1.09	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.88	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3220.00* Profile: Q010

E.G. Elev (ft)	7074.14	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.		0.040	
W.S. Elev (ft)	7074.02	Reach Len. (ft)	15.00	15.00	15.00
Crit W.S. (ft)		Flow Area (sq ft)		17.03	
E.G. Slope (ft/ft)	0.018390	Area (sq ft)		17.03	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	41.95	Top Width (ft)		41.95	
Vel Total (ft/s)	2.76	Avg. Vel. (ft/s)		2.76	
Max Chl Dpth (ft)	0.48	Hydr. Depth (ft)		0.41	
Conv. Total (cfs)	346.6	Conv. (cfs)		346.6	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		42.03	
Min Ch El (ft)	7073.54	Shear (lb/sq ft)		0.47	
Alpha	1.00	Stream Power (lb/ft s)		1.28	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)		1.08	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.86	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3205.00* Profile: Q010

E.G. Elev (ft)	7073.86	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.		0.040	
W.S. Elev (ft)	7073.74	Reach Len. (ft)	15.00	15.00	15.00
Crit W.S. (ft)		Flow Area (sq ft)		16.95	
E.G. Slope (ft/ft)	0.018344	Area (sq ft)		16.95	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	41.34	Top Width (ft)		41.34	
Vel Total (ft/s)	2.77	Avg. Vel. (ft/s)		2.77	
Max Chl Dpth (ft)	0.48	Hydr. Depth (ft)		0.41	
Conv. Total (cfs)	347.0	Conv. (cfs)		347.0	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		41.41	
Min Ch El (ft)	7073.26	Shear (lb/sq ft)		0.47	
Alpha	1.00	Stream Power (lb/ft s)		1.30	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)		1.07	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.85	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3190.00* Profile: Q010

E.G. Elev (ft)	7073.59	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.		0.040	
W.S. Elev (ft)	7073.47	Reach Len. (ft)	15.00	15.00	15.00
Crit W.S. (ft)		Flow Area (sq ft)		16.84	
E.G. Slope (ft/ft)	0.018373	Area (sq ft)		16.84	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	40.73	Top Width (ft)		40.73	
Vel Total (ft/s)	2.79	Avg. Vel. (ft/s)		2.79	
Max Chl Dpth (ft)	0.49	Hydr. Depth (ft)		0.41	
Conv. Total (cfs)	346.7	Conv. (cfs)		346.7	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		40.80	
Min Ch El (ft)	7072.98	Shear (lb/sq ft)		0.47	
Alpha	1.00	Stream Power (lb/ft s)		1.32	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)		1.07	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.84	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3175.00* Profile: Q010

E.G. Elev (ft)	7073.32	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.		0.040	
W.S. Elev (ft)	7073.20	Reach Len. (ft)	15.00	15.00	15.00
Crit W.S. (ft)		Flow Area (sq ft)		16.74	
E.G. Slope (ft/ft)	0.018331	Area (sq ft)		16.74	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	40.05	Top Width (ft)		40.05	
Vel Total (ft/s)	2.81	Avg. Vel. (ft/s)		2.81	
Max Chl Dpth (ft)	0.49	Hydr. Depth (ft)		0.42	
Conv. Total (cfs)	347.1	Conv. (cfs)		347.1	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		40.12	
Min Ch El (ft)	7072.70	Shear (lb/sq ft)		0.48	
Alpha	1.00	Stream Power (lb/ft s)		1.34	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		1.06	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.82	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3160.00* Profile: Q010

E.G. Elev (ft)	7073.05	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.		0.040	
W.S. Elev (ft)	7072.92	Reach Len. (ft)	15.00	15.00	15.00
Crit W.S. (ft)		Flow Area (sq ft)		16.68	
E.G. Slope (ft/ft)	0.018160	Area (sq ft)		16.68	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	39.42	Top Width (ft)		39.42	
Vel Total (ft/s)	2.82	Avg. Vel. (ft/s)		2.82	
Max Chl Dpth (ft)	0.50	Hydr. Depth (ft)		0.42	
Conv. Total (cfs)	348.8	Conv. (cfs)		348.8	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		39.49	
Min Ch El (ft)	7072.42	Shear (lb/sq ft)		0.48	
Alpha	1.00	Stream Power (lb/ft s)		1.35	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)		1.06	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.81	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3145.00* Profile: Q010

E.G. Elev (ft)	7072.77	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.13	Wt. n-Val.		0.040	
W.S. Elev (ft)	7072.65	Reach Len. (ft)	15.00	15.00	15.00
Crit W.S. (ft)		Flow Area (sq ft)		16.47	
E.G. Slope (ft/ft)	0.018523	Area (sq ft)		16.47	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	38.79	Top Width (ft)		38.79	
Vel Total (ft/s)	2.85	Avg. Vel. (ft/s)		2.85	
Max Chl Dpth (ft)	0.51	Hydr. Depth (ft)		0.42	
Conv. Total (cfs)	345.3	Conv. (cfs)		345.3	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		38.85	
Min Ch El (ft)	7072.14	Shear (lb/sq ft)		0.49	
Alpha	1.00	Stream Power (lb/ft s)		1.40	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		1.05	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.79	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3130.00* Profile: Q010

E.G. Elev (ft)	7072.50	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.		0.040	
W.S. Elev (ft)	7072.38	Reach Len. (ft)	15.00	15.00	15.00
Crit W.S. (ft)		Flow Area (sq ft)		16.60	
E.G. Slope (ft/ft)	0.017627	Area (sq ft)		16.60	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	38.11	Top Width (ft)		38.11	
Vel Total (ft/s)	2.83	Avg. Vel. (ft/s)		2.83	
Max Chl Dpth (ft)	0.52	Hydr. Depth (ft)		0.44	
Conv. Total (cfs)	354.0	Conv. (cfs)		354.0	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		38.19	
Min Ch El (ft)	7071.86	Shear (lb/sq ft)		0.48	
Alpha	1.00	Stream Power (lb/ft s)		1.35	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)		1.05	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.78	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3115.00* Profile: Q010

E.G. Elev (ft)	7072.22	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.13	Wt. n-Val.		0.040	
W.S. Elev (ft)	7072.09	Reach Len. (ft)	15.00	15.00	15.00
Crit W.S. (ft)		Flow Area (sq ft)		15.97	
E.G. Slope (ft/ft)	0.019497	Area (sq ft)		15.97	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	37.31	Top Width (ft)		37.31	
Vel Total (ft/s)	2.94	Avg. Vel. (ft/s)		2.94	
Max Chl Dpth (ft)	0.51	Hydr. Depth (ft)		0.43	
Conv. Total (cfs)	336.6	Conv. (cfs)		336.6	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		37.38	
Min Ch El (ft)	7071.58	Shear (lb/sq ft)		0.52	
Alpha	1.00	Stream Power (lb/ft s)		1.53	
Frctn Loss (ft)	0.25	Cum Volume (acre-ft)		1.04	0.01
C & E Loss (ft)	0.01	Cum SA (acres)		2.77	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3100 Profile: Q010

E.G. Elev (ft)	7071.97	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.11	Wt. n-Val.		0.040	
W.S. Elev (ft)	7071.86	Reach Len. (ft)	18.66	14.84	8.66
Crit W.S. (ft)		Flow Area (sq ft)		17.63	
E.G. Slope (ft/ft)	0.013890	Area (sq ft)		17.63	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	37.03	Top Width (ft)		37.03	
Vel Total (ft/s)	2.67	Avg. Vel. (ft/s)		2.67	
Max Chl Dpth (ft)	0.56	Hydr. Depth (ft)		0.48	
Conv. Total (cfs)	398.8	Conv. (cfs)		398.8	
Length Wtd. (ft)	14.84	Wetted Per. (ft)		37.12	
Min Ch El (ft)	7071.30	Shear (lb/sq ft)		0.41	
Alpha	1.00	Stream Power (lb/ft s)		1.10	
Frctn Loss (ft)	0.21	Cum Volume (acre-ft)		1.03	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.76	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3085.17* Profile: Q010

E.G. Elev (ft)	7071.76	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.11	Wt. n-Val.		0.040	
W.S. Elev (ft)	7071.65	Reach Len. (ft)	18.66	14.84	8.66
Crit W.S. (ft)		Flow Area (sq ft)		17.65	
E.G. Slope (ft/ft)	0.014190	Area (sq ft)		17.65	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	37.71	Top Width (ft)		37.71	
Vel Total (ft/s)	2.66	Avg. Vel. (ft/s)		2.66	
Max Chl Dpth (ft)	0.57	Hydr. Depth (ft)		0.47	
Conv. Total (cfs)	394.6	Conv. (cfs)		394.6	
Length Wtd. (ft)	14.84	Wetted Per. (ft)		37.79	
Min Ch El (ft)	7071.08	Shear (lb/sq ft)		0.41	
Alpha	1.00	Stream Power (lb/ft s)		1.10	
Frctn Loss (ft)	0.22	Cum Volume (acre-ft)		1.03	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.74	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3070.33* Profile: Q010

E.G. Elev (ft)	7071.55	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.11	Wt. n-Val.		0.040	
W.S. Elev (ft)	7071.44	Reach Len. (ft)	18.66	14.84	8.66
Crit W.S. (ft)		Flow Area (sq ft)		17.52	
E.G. Slope (ft/ft)	0.014836	Area (sq ft)		17.52	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	38.30	Top Width (ft)		38.30	
Vel Total (ft/s)	2.68	Avg. Vel. (ft/s)		2.68	
Max Chl Dpth (ft)	0.57	Hydr. Depth (ft)		0.46	
Conv. Total (cfs)	385.9	Conv. (cfs)		385.9	
Length Wtd. (ft)	14.84	Wetted Per. (ft)		38.36	
Min Ch El (ft)	7070.87	Shear (lb/sq ft)		0.42	
Alpha	1.00	Stream Power (lb/ft s)		1.13	
Frctn Loss (ft)	0.22	Cum Volume (acre-ft)		1.02	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.73	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3055.50* Profile: Q010

E.G. Elev (ft)	7071.33	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.11	Wt. n-Val.		0.040	
W.S. Elev (ft)	7071.21	Reach Len. (ft)	18.66	14.84	8.66
Crit W.S. (ft)		Flow Area (sq ft)		17.42	
E.G. Slope (ft/ft)	0.015296	Area (sq ft)		17.42	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	38.64	Top Width (ft)		38.64	
Vel Total (ft/s)	2.70	Avg. Vel. (ft/s)		2.70	
Max Chl Dpth (ft)	0.56	Hydr. Depth (ft)		0.45	
Conv. Total (cfs)	380.0	Conv. (cfs)		380.0	
Length Wtd. (ft)	14.84	Wetted Per. (ft)		38.70	
Min Ch El (ft)	7070.65	Shear (lb/sq ft)		0.43	
Alpha	1.00	Stream Power (lb/ft s)		1.16	
Frctn Loss (ft)	0.23	Cum Volume (acre-ft)		1.02	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.72	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3040.67* Profile: Q010

E.G. Elev (ft)	7071.10	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.11	Wt. n-Val.		0.040	
W.S. Elev (ft)	7070.99	Reach Len. (ft)	18.66	14.84	8.66
Crit W.S. (ft)		Flow Area (sq ft)		17.37	
E.G. Slope (ft/ft)	0.015258	Area (sq ft)		17.37	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	38.31	Top Width (ft)		38.31	
Vel Total (ft/s)	2.71	Avg. Vel. (ft/s)		2.71	
Max Chl Dpth (ft)	0.56	Hydr. Depth (ft)		0.45	
Conv. Total (cfs)	380.5	Conv. (cfs)		380.5	
Length Wtd. (ft)	14.84	Wetted Per. (ft)		38.37	
Min Ch El (ft)	7070.43	Shear (lb/sq ft)		0.43	
Alpha	1.00	Stream Power (lb/ft s)		1.17	
Frctn Loss (ft)	0.23	Cum Volume (acre-ft)		1.01	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.70	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3025.83* Profile: Q010

E.G. Elev (ft)	7070.87	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.		0.040	
W.S. Elev (ft)	7070.75	Reach Len. (ft)	18.67	14.83	8.67
Crit W.S. (ft)		Flow Area (sq ft)		17.07	
E.G. Slope (ft/ft)	0.016331	Area (sq ft)		17.07	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	38.59	Top Width (ft)		38.59	
Vel Total (ft/s)	2.75	Avg. Vel. (ft/s)		2.75	
Max Chl Dpth (ft)	0.53	Hydr. Depth (ft)		0.44	
Conv. Total (cfs)	367.8	Conv. (cfs)		367.8	
Length Wtd. (ft)	14.83	Wetted Per. (ft)		38.66	
Min Ch El (ft)	7070.22	Shear (lb/sq ft)		0.45	
Alpha	1.00	Stream Power (lb/ft s)		1.24	
Frctn Loss (ft)	0.21	Cum Volume (acre-ft)		1.00	0.01
C & E Loss (ft)	0.01	Cum SA (acres)		2.69	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3011 Profile: Q010

E.G. Elev (ft)	7070.65	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.040	
W.S. Elev (ft)	7070.55	Reach Len. (ft)	26.50	31.00	33.50
Crit W.S. (ft)		Flow Area (sq ft)		18.52	
E.G. Slope (ft/ft)	0.012920	Area (sq ft)		18.52	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	39.68	Top Width (ft)		39.68	
Vel Total (ft/s)	2.54	Avg. Vel. (ft/s)		2.54	
Max Chl Dpth (ft)	0.55	Hydr. Depth (ft)		0.47	
Conv. Total (cfs)	413.5	Conv. (cfs)		413.5	
Length Wtd. (ft)	31.00	Wetted Per. (ft)		39.77	
Min Ch El (ft)	7070.00	Shear (lb/sq ft)		0.38	
Alpha	1.00	Stream Power (lb/ft s)		0.95	
Frctn Loss (ft)	0.42	Cum Volume (acre-ft)		1.00	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.68	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2980.00* Profile: Q010

E.G. Elev (ft)	7070.23	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.11	Wt. n-Val.		0.040	
W.S. Elev (ft)	7070.12	Reach Len. (ft)	26.50	31.00	33.50
Crit W.S. (ft)		Flow Area (sq ft)		17.84	
E.G. Slope (ft/ft)	0.014223	Area (sq ft)		17.84	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	38.81	Top Width (ft)		38.81	
Vel Total (ft/s)	2.64	Avg. Vel. (ft/s)		2.64	
Max Chl Dpth (ft)	0.57	Hydr. Depth (ft)		0.46	
Conv. Total (cfs)	394.1	Conv. (cfs)		394.1	
Length Wtd. (ft)	31.00	Wetted Per. (ft)		38.88	
Min Ch El (ft)	7069.55	Shear (lb/sq ft)		0.41	
Alpha	1.00	Stream Power (lb/ft s)		1.07	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		0.99	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.65	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2949.00* Profile: Q010

E.G. Elev (ft)	7069.80	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.040	
W.S. Elev (ft)	7069.70	Reach Len. (ft)	26.50	31.00	33.50
Crit W.S. (ft)		Flow Area (sq ft)		18.46	
E.G. Slope (ft/ft)	0.013674	Area (sq ft)		18.46	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	41.07	Top Width (ft)		41.07	
Vel Total (ft/s)	2.55	Avg. Vel. (ft/s)		2.55	
Max Chl Dpth (ft)	0.60	Hydr. Depth (ft)		0.45	
Conv. Total (cfs)	401.9	Conv. (cfs)		401.9	
Length Wtd. (ft)	31.00	Wetted Per. (ft)		41.13	
Min Ch El (ft)	7069.10	Shear (lb/sq ft)		0.38	
Alpha	1.00	Stream Power (lb/ft s)		0.98	
Frctn Loss (ft)	0.51	Cum Volume (acre-ft)		0.97	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.62	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2918.00* Profile: Q010

E.G. Elev (ft)	7069.29	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.		0.040	
W.S. Elev (ft)	7069.17	Reach Len. (ft)	26.50	31.00	33.50
Crit W.S. (ft)	7069.11	Flow Area (sq ft)		17.10	
E.G. Slope (ft/ft)	0.020196	Area (sq ft)		17.10	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	45.43	Top Width (ft)		45.43	
Vel Total (ft/s)	2.75	Avg. Vel. (ft/s)		2.75	
Max Chl Dpth (ft)	0.52	Hydr. Depth (ft)		0.38	
Conv. Total (cfs)	330.7	Conv. (cfs)		330.7	
Length Wtd. (ft)	31.00	Wetted Per. (ft)		45.49	
Min Ch El (ft)	7068.65	Shear (lb/sq ft)		0.47	
Alpha	1.00	Stream Power (lb/ft s)		1.30	
Frctn Loss (ft)	0.52	Cum Volume (acre-ft)		0.96	0.01
C & E Loss (ft)	0.01	Cum SA (acres)		2.59	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2887 Profile: Q010

E.G. Elev (ft)	7068.76	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.09	Wt. n-Val.		0.040	
W.S. Elev (ft)	7068.67	Reach Len. (ft)	31.40	29.40	30.40
Crit W.S. (ft)		Flow Area (sq ft)		19.47	
E.G. Slope (ft/ft)	0.014008	Area (sq ft)		19.47	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	47.75	Top Width (ft)		47.75	
Vel Total (ft/s)	2.41	Avg. Vel. (ft/s)		2.41	
Max Chl Dpth (ft)	0.47	Hydr. Depth (ft)		0.41	
Conv. Total (cfs)	397.1	Conv. (cfs)		397.1	
Length Wtd. (ft)	29.40	Wetted Per. (ft)		47.88	
Min Ch El (ft)	7068.20	Shear (lb/sq ft)		0.36	
Alpha	1.00	Stream Power (lb/ft s)		0.86	
Frctn Loss (ft)	0.42	Cum Volume (acre-ft)		0.95	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.56	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2857.60* Profile: Q010

E.G. Elev (ft)	7068.34	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.		0.040	
W.S. Elev (ft)	7068.26	Reach Len. (ft)	31.40	29.40	30.40
Crit W.S. (ft)		Flow Area (sq ft)		21.22	
E.G. Slope (ft/ft)	0.014645	Area (sq ft)		21.22	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	61.30	Top Width (ft)		61.30	
Vel Total (ft/s)	2.22	Avg. Vel. (ft/s)		2.22	
Max Chl Dpth (ft)	0.50	Hydr. Depth (ft)		0.35	
Conv. Total (cfs)	388.4	Conv. (cfs)		388.4	
Length Wtd. (ft)	29.40	Wetted Per. (ft)		61.34	
Min Ch El (ft)	7067.76	Shear (lb/sq ft)		0.32	
Alpha	1.00	Stream Power (lb/ft s)		0.70	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		0.93	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.52	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2828.20* Profile: Q010

E.G. Elev (ft)	7067.91	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.07	Wt. n-Val.		0.040	
W.S. Elev (ft)	7067.84	Reach Len. (ft)	31.40	29.40	30.40
Crit W.S. (ft)		Flow Area (sq ft)		22.53	
E.G. Slope (ft/ft)	0.014565	Area (sq ft)		22.53	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	70.94	Top Width (ft)		70.94	
Vel Total (ft/s)	2.09	Avg. Vel. (ft/s)		2.09	
Max Chl Dpth (ft)	0.52	Hydr. Depth (ft)		0.32	
Conv. Total (cfs)	389.4	Conv. (cfs)		389.4	
Length Wtd. (ft)	29.40	Wetted Per. (ft)		70.95	
Min Ch El (ft)	7067.32	Shear (lb/sq ft)		0.29	
Alpha	1.00	Stream Power (lb/ft s)		0.60	
Frctn Loss (ft)	0.44	Cum Volume (acre-ft)		0.92	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.48	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2798.80* Profile: Q010

E.G. Elev (ft)	7067.47	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.06	Wt. n-Val.		0.040	
W.S. Elev (ft)	7067.41	Reach Len. (ft)	31.40	29.40	30.40
Crit W.S. (ft)		Flow Area (sq ft)		23.98	
E.G. Slope (ft/ft)	0.015272	Area (sq ft)		23.98	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	85.90	Top Width (ft)		85.90	
Vel Total (ft/s)	1.96	Avg. Vel. (ft/s)		1.96	
Max Chl Dpth (ft)	0.53	Hydr. Depth (ft)		0.28	
Conv. Total (cfs)	380.3	Conv. (cfs)		380.3	
Length Wtd. (ft)	29.40	Wetted Per. (ft)		85.92	
Min Ch El (ft)	7066.88	Shear (lb/sq ft)		0.27	
Alpha	1.00	Stream Power (lb/ft s)		0.52	
Frctn Loss (ft)	0.44	Cum Volume (acre-ft)		0.90	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.42	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2769.40* Profile: Q010

E.G. Elev (ft)	7067.03	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.040	
W.S. Elev (ft)	7066.99	Reach Len. (ft)	31.40	29.40	30.40
Crit W.S. (ft)		Flow Area (sq ft)		27.47	
E.G. Slope (ft/ft)	0.014740	Area (sq ft)		27.47	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	117.51	Top Width (ft)		117.51	
Vel Total (ft/s)	1.71	Avg. Vel. (ft/s)		1.71	
Max Chl Dpth (ft)	0.55	Hydr. Depth (ft)		0.23	
Conv. Total (cfs)	387.1	Conv. (cfs)		387.1	
Length Wtd. (ft)	29.40	Wetted Per. (ft)		117.53	
Min Ch El (ft)	7066.44	Shear (lb/sq ft)		0.22	
Alpha	1.00	Stream Power (lb/ft s)		0.37	
Frctn Loss (ft)	0.52	Cum Volume (acre-ft)		0.89	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.35	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2740 Profile: Q010

E.G. Elev (ft)	7066.52	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.07	Wt. n-Val.		0.040	0.069
W.S. Elev (ft)	7066.46	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		22.86	0.13
E.G. Slope (ft/ft)	0.021349	Area (sq ft)		22.86	0.13
Q Total (cfs)	47.00	Flow (cfs)		46.93	0.07
Top Width (ft)	99.91	Top Width (ft)		98.31	1.61
Vel Total (ft/s)	2.04	Avg. Vel. (ft/s)		2.05	0.58
Max Chl Dpth (ft)	0.46	Hydr. Depth (ft)		0.23	0.08
Conv. Total (cfs)	321.7	Conv. (cfs)		321.2	0.5
Length Wtd. (ft)	20.00	Wetted Per. (ft)		98.33	1.62
Min Ch El (ft)	7066.00	Shear (lb/sq ft)		0.31	0.10
Alpha	1.01	Stream Power (lb/ft s)		0.64	0.06
Frctn Loss (ft)	0.42	Cum Volume (acre-ft)		0.87	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.28	0.04

Errors Warnings and Notes

Warning:	Divided flow computed for this cross-section.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2720.00* Profile: Q010

E.G. Elev (ft)	7066.11	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.06	Wt. n-Val.		0.040	0.069
W.S. Elev (ft)	7066.04	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		23.11	0.13
E.G. Slope (ft/ft)	0.020892	Area (sq ft)		23.11	0.13
Q Total (cfs)	47.00	Flow (cfs)		46.92	0.08
Top Width (ft)	100.93	Top Width (ft)		99.31	1.61
Vel Total (ft/s)	2.02	Avg. Vel. (ft/s)		2.03	0.58
Max Chl Dpth (ft)	0.47	Hydr. Depth (ft)		0.23	0.08
Conv. Total (cfs)	325.2	Conv. (cfs)		324.6	0.5
Length Wtd. (ft)	20.00	Wetted Per. (ft)		99.33	1.62
Min Ch El (ft)	7065.57	Shear (lb/sq ft)		0.30	0.11
Alpha	1.01	Stream Power (lb/ft s)		0.62	0.06
Frctn Loss (ft)	0.42	Cum Volume (acre-ft)		0.86	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.24	0.03

Errors Warnings and Notes

Warning: Divided flow computed for this cross-section.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2700.00* Profile: Q010

E.G. Elev (ft)	7065.69	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.06	Wt. n-Val.		0.040	0.069
W.S. Elev (ft)	7065.62	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		23.60	0.14
E.G. Slope (ft/ft)	0.021589	Area (sq ft)		23.60	0.14
Q Total (cfs)	47.00	Flow (cfs)		46.91	0.09
Top Width (ft)	108.97	Top Width (ft)		107.33	1.64
Vel Total (ft/s)	1.98	Avg. Vel. (ft/s)		1.99	0.62
Max Chl Dpth (ft)	0.49	Hydr. Depth (ft)		0.22	0.09
Conv. Total (cfs)	319.9	Conv. (cfs)		319.3	0.6
Length Wtd. (ft)	20.00	Wetted Per. (ft)		107.35	1.65
Min Ch El (ft)	7065.13	Shear (lb/sq ft)		0.30	0.12
Alpha	1.01	Stream Power (lb/ft s)		0.59	0.07
Frctn Loss (ft)	0.42	Cum Volume (acre-ft)		0.85	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.19	0.03

Errors Warnings and Notes

Warning: Divided flow computed for this cross-section.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2680.00* Profile: Q010

E.G. Elev (ft)	7065.27	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.06	Wt. n-Val.		0.040	0.069
W.S. Elev (ft)	7065.21	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		24.38	0.16
E.G. Slope (ft/ft)	0.020670	Area (sq ft)		24.38	0.16
Q Total (cfs)	47.00	Flow (cfs)		46.90	0.10
Top Width (ft)	114.44	Top Width (ft)		112.75	1.68
Vel Total (ft/s)	1.92	Avg. Vel. (ft/s)		1.92	0.64
Max Chl Dpth (ft)	0.51	Hydr. Depth (ft)		0.22	0.09
Conv. Total (cfs)	326.9	Conv. (cfs)		326.2	0.7
Length Wtd. (ft)	20.00	Wetted Per. (ft)		112.78	1.69
Min Ch El (ft)	7064.70	Shear (lb/sq ft)		0.28	0.12
Alpha	1.01	Stream Power (lb/ft s)		0.54	0.08

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2680.00* Profile: Q010 (Continued)

Frctn Loss (ft)	0.42	Cum Volume (acre-ft)		0.84	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.14	0.03

Errors Warnings and Notes

Warning:	Divided flow computed for this cross-section.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2660.00* Profile: Q010

E.G. Elev (ft)	7064.84	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.06	Wt. n-Val.		0.040	0.069
W.S. Elev (ft)	7064.77	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		23.33	0.13
E.G. Slope (ft/ft)	0.021552	Area (sq ft)		23.33	0.13
Q Total (cfs)	47.00	Flow (cfs)		46.92	0.08
Top Width (ft)	105.70	Top Width (ft)		104.19	1.51
Vel Total (ft/s)	2.00	Avg. Vel. (ft/s)		2.01	0.62
Max Chl Dpth (ft)	0.50	Hydr. Depth (ft)		0.22	0.09
Conv. Total (cfs)	320.2	Conv. (cfs)		319.6	0.6
Length Wtd. (ft)	20.00	Wetted Per. (ft)		104.21	1.52
Min Ch EI (ft)	7064.27	Shear (lb/sq ft)		0.30	0.12
Alpha	1.01	Stream Power (lb/ft s)		0.61	0.07
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		0.83	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.09	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2640.00* Profile: Q010

E.G. Elev (ft)	7064.42	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.07	Wt. n-Val.		0.040	0.069
W.S. Elev (ft)	7064.35	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		22.54	0.13
E.G. Slope (ft/ft)	0.021257	Area (sq ft)		22.54	0.13
Q Total (cfs)	47.00	Flow (cfs)		46.92	0.08
Top Width (ft)	96.02	Top Width (ft)		94.57	1.45
Vel Total (ft/s)	2.07	Avg. Vel. (ft/s)		2.08	0.62
Max Chl Dpth (ft)	0.52	Hydr. Depth (ft)		0.24	0.09
Conv. Total (cfs)	322.4	Conv. (cfs)		321.8	0.5
Length Wtd. (ft)	20.00	Wetted Per. (ft)		94.59	1.46
Min Ch EI (ft)	7063.83	Shear (lb/sq ft)		0.32	0.12
Alpha	1.01	Stream Power (lb/ft s)		0.66	0.07
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		0.81	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.04	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2620.00* Profile: Q010

E.G. Elev (ft)	7063.99	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.07	Wt. n-Val.		0.040	0.069
W.S. Elev (ft)	7063.92	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		21.60	0.11
E.G. Slope (ft/ft)	0.021251	Area (sq ft)		21.60	0.11
Q Total (cfs)	47.00	Flow (cfs)		46.93	0.07
Top Width (ft)	86.27	Top Width (ft)		84.95	1.32
Vel Total (ft/s)	2.16	Avg. Vel. (ft/s)		2.17	0.60
Max Chl Dpth (ft)	0.52	Hydr. Depth (ft)		0.25	0.08
Conv. Total (cfs)	322.4	Conv. (cfs)		322.0	0.5
Length Wtd. (ft)	20.00	Wetted Per. (ft)		84.97	1.33
Min Ch EI (ft)	7063.40	Shear (lb/sq ft)		0.34	0.11

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2620.00* Profile: Q010 (Continued)

Alpha	1.01	Stream Power (lb/ft s)		0.73	0.07
Frctn Loss (ft)	0.41	Cum Volume (acre-ft)		0.80	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.00	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2600.00* Profile: Q010

E.G. Elev (ft)	7063.58	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.		0.040	0.069
W.S. Elev (ft)	7063.50	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		20.95	0.11
E.G. Slope (ft/ft)	0.020191	Area (sq ft)		20.95	0.11
Q Total (cfs)	47.00	Flow (cfs)		46.94	0.06
Top Width (ft)	77.01	Top Width (ft)		75.73	1.28
Vel Total (ft/s)	2.23	Avg. Vel. (ft/s)		2.24	0.59
Max Chl Dpth (ft)	0.53	Hydr. Depth (ft)		0.28	0.08
Conv. Total (cfs)	330.8	Conv. (cfs)		330.3	0.4
Length Wtd. (ft)	20.00	Wetted Per. (ft)		75.75	1.29
Min Ch El (ft)	7062.97	Shear (lb/sq ft)		0.35	0.11
Alpha	1.01	Stream Power (lb/ft s)		0.78	0.06
Frctn Loss (ft)	0.41	Cum Volume (acre-ft)		0.79	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		1.96	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2580.00* Profile: Q010

E.G. Elev (ft)	7063.17	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.09	Wt. n-Val.		0.040	0.069
W.S. Elev (ft)	7063.08	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		19.59	0.11
E.G. Slope (ft/ft)	0.021188	Area (sq ft)		19.59	0.11
Q Total (cfs)	47.00	Flow (cfs)		46.93	0.07
Top Width (ft)	67.64	Top Width (ft)		66.41	1.23
Vel Total (ft/s)	2.39	Avg. Vel. (ft/s)		2.40	0.62
Max Chl Dpth (ft)	0.55	Hydr. Depth (ft)		0.29	0.09
Conv. Total (cfs)	322.9	Conv. (cfs)		322.4	0.5
Length Wtd. (ft)	20.00	Wetted Per. (ft)		66.43	1.24
Min Ch El (ft)	7062.53	Shear (lb/sq ft)		0.39	0.12
Alpha	1.01	Stream Power (lb/ft s)		0.93	0.07
Frctn Loss (ft)	0.40	Cum Volume (acre-ft)		0.79	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		1.93	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2560.00* Profile: Q010

E.G. Elev (ft)	7062.77	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.09	Wt. n-Val.		0.040	0.069
W.S. Elev (ft)	7062.68	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		19.13	0.13
E.G. Slope (ft/ft)	0.018903	Area (sq ft)		19.13	0.13
Q Total (cfs)	47.00	Flow (cfs)		46.92	0.08
Top Width (ft)	58.74	Top Width (ft)		57.43	1.31
Vel Total (ft/s)	2.44	Avg. Vel. (ft/s)		2.45	0.63
Max Chl Dpth (ft)	0.58	Hydr. Depth (ft)		0.33	0.10
Conv. Total (cfs)	341.8	Conv. (cfs)		341.3	0.6
Length Wtd. (ft)	20.00	Wetted Per. (ft)		57.45	1.32
Min Ch El (ft)	7062.10	Shear (lb/sq ft)		0.39	0.11
Alpha	1.01	Stream Power (lb/ft s)		0.96	0.07
Frctn Loss (ft)	0.39	Cum Volume (acre-ft)		0.78	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2560.00* Profile: Q010 (Continued)

C & E Loss (ft)	0.00	Cum SA (acres)		1.90	0.03
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2540.00* Profile: Q010

E.G. Elev (ft)	7062.38	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.040	0.069
W.S. Elev (ft)	7062.28	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		18.34	0.17
E.G. Slope (ft/ft)	0.020075	Area (sq ft)		18.34	0.17
Q Total (cfs)	47.00	Flow (cfs)		46.88	0.12
Top Width (ft)	55.57	Top Width (ft)		54.13	1.44
Vel Total (ft/s)	2.54	Avg. Vel. (ft/s)		2.56	0.72
Max Chl Dpth (ft)	0.61	Hydr. Depth (ft)		0.34	0.12
Conv. Total (cfs)	331.7	Conv. (cfs)		330.9	0.8
Length Wtd. (ft)	20.00	Wetted Per. (ft)		54.15	1.46
Min Ch El (ft)	7061.67	Shear (lb/sq ft)		0.42	0.14
Alpha	1.01	Stream Power (lb/ft s)		1.08	0.10
Frctn Loss (ft)	0.37	Cum Volume (acre-ft)		0.77	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		1.88	0.03

Errors Warnings and Notes

Warning:	Divided flow computed for this cross-section.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2520.00* Profile: Q010

E.G. Elev (ft)	7062.01	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.09	Wt. n-Val.		0.040	0.069
W.S. Elev (ft)	7061.92	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		19.61	0.26
E.G. Slope (ft/ft)	0.017136	Area (sq ft)		19.61	0.26
Q Total (cfs)	47.00	Flow (cfs)		46.80	0.20
Top Width (ft)	58.76	Top Width (ft)		57.04	1.72
Vel Total (ft/s)	2.37	Avg. Vel. (ft/s)		2.39	0.79
Max Chl Dpth (ft)	0.69	Hydr. Depth (ft)		0.34	0.15
Conv. Total (cfs)	359.0	Conv. (cfs)		357.5	1.5
Length Wtd. (ft)	20.00	Wetted Per. (ft)		57.08	1.74
Min Ch El (ft)	7061.23	Shear (lb/sq ft)		0.37	0.16
Alpha	1.01	Stream Power (lb/ft s)		0.88	0.12
Frctn Loss (ft)	0.39	Cum Volume (acre-ft)		0.76	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		1.85	0.03

Errors Warnings and Notes

Warning:	Divided flow computed for this cross-section.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2500 Profile: Q010

E.G. Elev (ft)	7061.62	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.		0.040	0.069
W.S. Elev (ft)	7061.50	Reach Len. (ft)	28.67	29.00	29.33
Crit W.S. (ft)		Flow Area (sq ft)		17.14	0.24
E.G. Slope (ft/ft)	0.022379	Area (sq ft)		17.14	0.24
Q Total (cfs)	47.00	Flow (cfs)		46.78	0.22
Top Width (ft)	51.33	Top Width (ft)		49.71	1.61
Vel Total (ft/s)	2.70	Avg. Vel. (ft/s)		2.73	0.90
Max Chl Dpth (ft)	0.70	Hydr. Depth (ft)		0.34	0.15
Conv. Total (cfs)	314.2	Conv. (cfs)		312.7	1.5

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2500 Profile: Q010 (Continued)

Length Wtd. (ft)	29.00	Wetted Per. (ft)		49.76	1.64
Min Ch El (ft)	7060.80	Shear (lb/sq ft)		0.48	0.21
Alpha	1.01	Stream Power (lb/ft s)		1.31	0.19
Frctn Loss (ft)	0.63	Cum Volume (acre-ft)		0.75	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		1.83	0.03

Errors Warnings and Notes

Warning:	Divided flow computed for this cross-section.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2471.00* Profile: Q010

E.G. Elev (ft)	7061.00	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.040	0.069
W.S. Elev (ft)	7060.89	Reach Len. (ft)	28.67	29.00	29.33
Crit W.S. (ft)		Flow Area (sq ft)		17.89	0.35
E.G. Slope (ft/ft)	0.020924	Area (sq ft)		17.89	0.35
Q Total (cfs)	47.00	Flow (cfs)		46.64	0.36
Top Width (ft)	54.72	Top Width (ft)		52.91	1.81
Vel Total (ft/s)	2.58	Avg. Vel. (ft/s)		2.61	1.03
Max Chl Dpth (ft)	0.74	Hydr. Depth (ft)		0.34	0.19
Conv. Total (cfs)	324.9	Conv. (cfs)		322.4	2.5
Length Wtd. (ft)	29.00	Wetted Per. (ft)		52.95	1.85
Min Ch El (ft)	7060.15	Shear (lb/sq ft)		0.44	0.25
Alpha	1.02	Stream Power (lb/ft s)		1.15	0.26
Frctn Loss (ft)	0.63	Cum Volume (acre-ft)		0.74	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		1.79	0.03

Errors Warnings and Notes

Warning:	Divided flow computed for this cross-section.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2442.00* Profile: Q010

E.G. Elev (ft)	7060.37	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.11	Wt. n-Val.		0.040	0.069
W.S. Elev (ft)	7060.26	Reach Len. (ft)	28.67	29.00	29.33
Crit W.S. (ft)		Flow Area (sq ft)		17.51	0.42
E.G. Slope (ft/ft)	0.022729	Area (sq ft)		17.51	0.42
Q Total (cfs)	47.00	Flow (cfs)		46.49	0.51
Top Width (ft)	55.41	Top Width (ft)		53.57	1.84
Vel Total (ft/s)	2.62	Avg. Vel. (ft/s)		2.66	1.20
Max Chl Dpth (ft)	0.76	Hydr. Depth (ft)		0.33	0.23
Conv. Total (cfs)	311.8	Conv. (cfs)		308.4	3.4
Length Wtd. (ft)	29.00	Wetted Per. (ft)		53.61	1.90
Min Ch El (ft)	7059.50	Shear (lb/sq ft)		0.46	0.32
Alpha	1.02	Stream Power (lb/ft s)		1.23	0.38
Frctn Loss (ft)	0.62	Cum Volume (acre-ft)		0.73	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		1.76	0.02

Errors Warnings and Notes

Warning:	Divided flow computed for this cross-section.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2413.00* Profile: Q010

E.G. Elev (ft)	7059.75	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.11	Wt. n-Val.		0.040	0.069
W.S. Elev (ft)	7059.65	Reach Len. (ft)	28.67	29.00	29.33
Crit W.S. (ft)		Flow Area (sq ft)		17.71	0.53
E.G. Slope (ft/ft)	0.020405	Area (sq ft)		17.71	0.53
Q Total (cfs)	47.00	Flow (cfs)		46.34	0.66
Top Width (ft)	53.06	Top Width (ft)		51.13	1.92
Vel Total (ft/s)	2.58	Avg. Vel. (ft/s)		2.62	1.26
Max Chl Dpth (ft)	0.80	Hydr. Depth (ft)		0.35	0.27
Conv. Total (cfs)	329.0	Conv. (cfs)		324.4	4.6
Length Wtd. (ft)	29.00	Wetted Per. (ft)		51.18	2.00
Min Ch El (ft)	7058.85	Shear (lb/sq ft)		0.44	0.33
Alpha	1.02	Stream Power (lb/ft s)		1.15	0.42
Frctn Loss (ft)	0.64	Cum Volume (acre-ft)		0.72	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		1.72	0.02

Errors Warnings and Notes

Warning: Divided flow computed for this cross-section.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2384.00* Profile: Q010

E.G. Elev (ft)	7059.11	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.13	Wt. n-Val.		0.040	0.069
W.S. Elev (ft)	7058.98	Reach Len. (ft)	28.67	29.00	29.33
Crit W.S. (ft)		Flow Area (sq ft)		15.70	0.51
E.G. Slope (ft/ft)	0.023916	Area (sq ft)		15.70	0.51
Q Total (cfs)	47.00	Flow (cfs)		46.28	0.72
Top Width (ft)	44.44	Top Width (ft)		42.66	1.78
Vel Total (ft/s)	2.90	Avg. Vel. (ft/s)		2.95	1.40
Max Chl Dpth (ft)	0.77	Hydr. Depth (ft)		0.37	0.29
Conv. Total (cfs)	303.9	Conv. (cfs)		299.3	4.6
Length Wtd. (ft)	29.01	Wetted Per. (ft)		42.71	1.87
Min Ch El (ft)	7058.20	Shear (lb/sq ft)		0.55	0.41
Alpha	1.02	Stream Power (lb/ft s)		1.62	0.57
Frctn Loss (ft)	0.63	Cum Volume (acre-ft)		0.70	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		1.69	0.02

Errors Warnings and Notes

Warning: Divided flow computed for this cross-section.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2355.00* Profile: Q010

E.G. Elev (ft)	7058.48	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.		0.040	0.069
W.S. Elev (ft)	7058.36	Reach Len. (ft)	28.67	29.00	29.33
Crit W.S. (ft)		Flow Area (sq ft)		16.65	0.60
E.G. Slope (ft/ft)	0.019573	Area (sq ft)		16.65	0.60
Q Total (cfs)	47.00	Flow (cfs)		46.17	0.83
Top Width (ft)	44.47	Top Width (ft)		42.66	1.81
Vel Total (ft/s)	2.72	Avg. Vel. (ft/s)		2.77	1.39
Max Chl Dpth (ft)	0.81	Hydr. Depth (ft)		0.39	0.33
Conv. Total (cfs)	335.9	Conv. (cfs)		330.0	6.0
Length Wtd. (ft)	29.01	Wetted Per. (ft)		42.72	1.93
Min Ch El (ft)	7057.55	Shear (lb/sq ft)		0.48	0.38
Alpha	1.02	Stream Power (lb/ft s)		1.32	0.53

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2355.00* Profile: Q010 (Continued)

Frctn Loss (ft)	0.64	Cum Volume (acre-ft)		0.69	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		1.66	0.02

Errors Warnings and Notes

Warning: Divided flow computed for this cross-section.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2326 Profile: Q010

E.G. Elev (ft)	7057.84	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.15	Wt. n-Val.		0.040	0.069
W.S. Elev (ft)	7057.69	Reach Len. (ft)	21.60	27.80	28.00
Crit W.S. (ft)	7057.65	Flow Area (sq ft)		14.89	0.57
E.G. Slope (ft/ft)	0.025407	Area (sq ft)		14.89	0.57
Q Total (cfs)	47.00	Flow (cfs)		46.09	0.91
Top Width (ft)	40.96	Top Width (ft)		39.31	1.65
Vel Total (ft/s)	3.04	Avg. Vel. (ft/s)		3.10	1.60
Max Chl Dpth (ft)	0.79	Hydr. Depth (ft)		0.38	0.34
Conv. Total (cfs)	294.9	Conv. (cfs)		289.1	5.7
Length Wtd. (ft)	27.80	Wetted Per. (ft)		39.37	1.79
Min Ch El (ft)	7056.90	Shear (lb/sq ft)		0.60	0.50
Alpha	1.02	Stream Power (lb/ft s)		1.86	0.81
Frctn Loss (ft)	0.60	Cum Volume (acre-ft)		0.68	0.01
C & E Loss (ft)	0.01	Cum SA (acres)		1.64	0.02

Errors Warnings and Notes

Warning: Divided flow computed for this cross-section.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2298.20* Profile: Q010

E.G. Elev (ft)	7057.23	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.11	Wt. n-Val.		0.040	0.069
W.S. Elev (ft)	7057.13	Reach Len. (ft)	21.60	27.80	28.00
Crit W.S. (ft)		Flow Area (sq ft)		17.25	0.88
E.G. Slope (ft/ft)	0.018290	Area (sq ft)		17.25	0.88
Q Total (cfs)	47.00	Flow (cfs)		45.75	1.25
Top Width (ft)	47.42	Top Width (ft)		44.93	2.49
Vel Total (ft/s)	2.59	Avg. Vel. (ft/s)		2.65	1.42
Max Chl Dpth (ft)	0.81	Hydr. Depth (ft)		0.38	0.35
Conv. Total (cfs)	347.5	Conv. (cfs)		338.3	9.2
Length Wtd. (ft)	27.81	Wetted Per. (ft)		44.99	2.59
Min Ch El (ft)	7056.32	Shear (lb/sq ft)		0.44	0.39
Alpha	1.03	Stream Power (lb/ft s)		1.16	0.55
Frctn Loss (ft)	0.64	Cum Volume (acre-ft)		0.67	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.61	0.02

Errors Warnings and Notes

Warning: Divided flow computed for this cross-section.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2270.40* Profile: Q010

E.G. Elev (ft)	7056.59	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.13	Wt. n-Val.		0.040	0.069
W.S. Elev (ft)	7056.46	Reach Len. (ft)	21.60	27.80	28.00
Crit W.S. (ft)	7056.43	Flow Area (sq ft)		15.35	0.97
E.G. Slope (ft/ft)	0.029494	Area (sq ft)		15.35	0.97
Q Total (cfs)	47.00	Flow (cfs)		45.38	1.62

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2270.40* Profile: Q010 (Continued)

Top Width (ft)	51.80	Top Width (ft)		48.64	3.16
Vel Total (ft/s)	2.88	Avg. Vel. (ft/s)		2.96	1.67
Max Chl Dpth (ft)	0.72	Hydr. Depth (ft)		0.32	0.31
Conv. Total (cfs)	273.7	Conv. (cfs)		264.2	9.4
Length Wtd. (ft)	27.81	Wetted Per. (ft)		48.69	3.22
Min Ch EI (ft)	7055.74	Shear (lb/sq ft)		0.58	0.56
Alpha	1.03	Stream Power (lb/ft s)		1.72	0.93
Frctn Loss (ft)	0.62	Cum Volume (acre-ft)		0.66	0.00
C & E Loss (ft)	0.01	Cum SA (acres)		1.58	0.02

Errors Warnings and Notes

Warning:	Divided flow computed for this cross-section.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2242.60* Profile: Q010

E.G. Elev (ft)	7055.95	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.09	Wt. n-Val.		0.040	0.069
W.S. Elev (ft)	7055.87	Reach Len. (ft)	21.60	27.80	28.00
Crit W.S. (ft)	7055.79	Flow Area (sq ft)		19.05	1.37
E.G. Slope (ft/ft)	0.017307	Area (sq ft)		19.05	1.37
Q Total (cfs)	47.00	Flow (cfs)		45.24	1.76
Top Width (ft)	60.69	Top Width (ft)		56.21	4.48
Vel Total (ft/s)	2.30	Avg. Vel. (ft/s)		2.37	1.28
Max Chl Dpth (ft)	0.71	Hydr. Depth (ft)		0.34	0.31
Conv. Total (cfs)	357.3	Conv. (cfs)		343.9	13.4
Length Wtd. (ft)	27.81	Wetted Per. (ft)		56.23	4.52
Min Ch EI (ft)	7055.16	Shear (lb/sq ft)		0.37	0.33
Alpha	1.04	Stream Power (lb/ft s)		0.87	0.42
Frctn Loss (ft)	0.67	Cum Volume (acre-ft)		0.65	0.00
C & E Loss (ft)	0.01	Cum SA (acres)		1.55	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2214.80* Profile: Q010

E.G. Elev (ft)	7055.28	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.14	Wt. n-Val.		0.040	0.069
W.S. Elev (ft)	7055.13	Reach Len. (ft)	21.60	27.80	28.00
Crit W.S. (ft)	7055.13	Flow Area (sq ft)		14.67	1.17
E.G. Slope (ft/ft)	0.035281	Area (sq ft)		14.67	1.17
Q Total (cfs)	47.00	Flow (cfs)		45.24	1.76
Top Width (ft)	55.00	Top Width (ft)		49.89	5.11
Vel Total (ft/s)	2.97	Avg. Vel. (ft/s)		3.08	1.51
Max Chl Dpth (ft)	0.55	Hydr. Depth (ft)		0.29	0.23
Conv. Total (cfs)	250.2	Conv. (cfs)		240.9	9.4
Length Wtd. (ft)	27.81	Wetted Per. (ft)		49.90	5.13
Min Ch EI (ft)	7054.58	Shear (lb/sq ft)		0.65	0.50
Alpha	1.05	Stream Power (lb/ft s)		2.00	0.75
Frctn Loss (ft)	0.55	Cum Volume (acre-ft)		0.64	0.00
C & E Loss (ft)	0.02	Cum SA (acres)		1.51	0.01

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program used critical
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Errors Warnings and Notes (Continued)

	depth for the water surface and continued on with the calculations.
Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Warning:	During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2187 Profile: Q010

E.G. Elev (ft)	7054.67	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.07	Wt. n-Val.		0.040	0.069
W.S. Elev (ft)	7054.59	Reach Len. (ft)	30.40	28.40	26.60
Crit W.S. (ft)	7054.49	Flow Area (sq ft)		19.99	2.20
E.G. Slope (ft/ft)	0.012706	Area (sq ft)		19.99	2.20
Q Total (cfs)	47.00	Flow (cfs)		44.72	2.28
Top Width (ft)	58.97	Top Width (ft)		51.15	7.83
Vel Total (ft/s)	2.12	Avg. Vel. (ft/s)		2.24	1.04
Max Chl Dpth (ft)	0.59	Hydr. Depth (ft)		0.39	0.28
Conv. Total (cfs)	417.0	Conv. (cfs)		396.7	20.2
Length Wtd. (ft)	28.35	Wetted Per. (ft)		51.17	7.85
Min Ch El (ft)	7054.00	Shear (lb/sq ft)		0.31	0.22
Alpha	1.07	Stream Power (lb/ft s)		0.69	0.23
Frctn Loss (ft)	0.39	Cum Volume (acre-ft)		0.63	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.48	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2158.60* Profile: Q010

E.G. Elev (ft)	7054.28	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.09	Wt. n-Val.		0.040	0.069
W.S. Elev (ft)	7054.19	Reach Len. (ft)	30.40	28.40	26.60
Crit W.S. (ft)		Flow Area (sq ft)		19.19	0.64
E.G. Slope (ft/ft)	0.014649	Area (sq ft)		19.19	0.64
Q Total (cfs)	47.00	Flow (cfs)		46.48	0.52
Top Width (ft)	52.15	Top Width (ft)		48.50	3.65
Vel Total (ft/s)	2.37	Avg. Vel. (ft/s)		2.42	0.81
Max Chl Dpth (ft)	0.59	Hydr. Depth (ft)		0.40	0.17
Conv. Total (cfs)	388.3	Conv. (cfs)		384.1	4.3
Length Wtd. (ft)	28.39	Wetted Per. (ft)		48.51	3.67
Min Ch El (ft)	7053.60	Shear (lb/sq ft)		0.36	0.16
Alpha	1.03	Stream Power (lb/ft s)		0.88	0.13
Frctn Loss (ft)	0.41	Cum Volume (acre-ft)		0.62	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.45	0.00

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2130.20* Profile: Q010

E.G. Elev (ft)	7053.88	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.09	Wt. n-Val.		0.040	0.069
W.S. Elev (ft)	7053.79	Reach Len. (ft)	30.40	28.40	26.60
Crit W.S. (ft)		Flow Area (sq ft)		19.64	0.29
E.G. Slope (ft/ft)	0.014130	Area (sq ft)		19.64	0.29
Q Total (cfs)	47.00	Flow (cfs)		46.78	0.22
Top Width (ft)	51.31	Top Width (ft)		49.60	1.71
Vel Total (ft/s)	2.36	Avg. Vel. (ft/s)		2.38	0.77
Max Chl Dpth (ft)	0.59	Hydr. Depth (ft)		0.40	0.17
Conv. Total (cfs)	395.4	Conv. (cfs)		393.5	1.9
Length Wtd. (ft)	28.39	Wetted Per. (ft)		49.61	1.74

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2130.20* Profile: Q010 (Continued)

Min Ch El (ft)	7053.20	Shear (lb/sq ft)		0.35	0.15
Alpha	1.02	Stream Power (lb/ft s)		0.83	0.11
Frctn Loss (ft)	0.40	Cum Volume (acre-ft)		0.60	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.42	0.00

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2101.80* Profile: Q010

E.G. Elev (ft)	7053.48	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.		0.040	0.069
W.S. Elev (ft)	7053.40	Reach Len. (ft)	30.40	28.40	26.60
Crit W.S. (ft)		Flow Area (sq ft)		20.11	0.15
E.G. Slope (ft/ft)	0.014395	Area (sq ft)		20.11	0.15
Q Total (cfs)	47.00	Flow (cfs)		46.90	0.10
Top Width (ft)	54.26	Top Width (ft)		53.10	1.16
Vel Total (ft/s)	2.32	Avg. Vel. (ft/s)		2.33	0.65
Max Chl Dpth (ft)	0.60	Hydr. Depth (ft)		0.38	0.13
Conv. Total (cfs)	391.7	Conv. (cfs)		390.9	0.8
Length Wtd. (ft)	28.40	Wetted Per. (ft)		53.12	1.18
Min Ch El (ft)	7052.80	Shear (lb/sq ft)		0.34	0.11
Alpha	1.01	Stream Power (lb/ft s)		0.79	0.07
Frctn Loss (ft)	0.37	Cum Volume (acre-ft)		0.59	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.38	0.00

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2073.40* Profile: Q010

E.G. Elev (ft)	7053.11	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.07	Wt. n-Val.		0.040	0.069
W.S. Elev (ft)	7053.04	Reach Len. (ft)	30.40	28.40	26.60
Crit W.S. (ft)		Flow Area (sq ft)		22.12	0.10
E.G. Slope (ft/ft)	0.011763	Area (sq ft)		22.12	0.10
Q Total (cfs)	47.00	Flow (cfs)		46.95	0.05
Top Width (ft)	58.76	Top Width (ft)		57.83	0.93
Vel Total (ft/s)	2.12	Avg. Vel. (ft/s)		2.12	0.53
Max Chl Dpth (ft)	0.64	Hydr. Depth (ft)		0.38	0.11
Conv. Total (cfs)	433.4	Conv. (cfs)		432.9	0.5
Length Wtd. (ft)	28.40	Wetted Per. (ft)		57.85	0.95
Min Ch El (ft)	7052.40	Shear (lb/sq ft)		0.28	0.08
Alpha	1.01	Stream Power (lb/ft s)		0.60	0.04
Frctn Loss (ft)	0.40	Cum Volume (acre-ft)		0.58	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.35	0.00

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2045 Profile: Q010

E.G. Elev (ft)	7052.71	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.		0.040	
W.S. Elev (ft)	7052.63	Reach Len. (ft)	35.80	29.20	28.80
Crit W.S. (ft)		Flow Area (sq ft)		20.40	
E.G. Slope (ft/ft)	0.017283	Area (sq ft)		20.40	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	62.91	Top Width (ft)		62.91	
Vel Total (ft/s)	2.30	Avg. Vel. (ft/s)		2.30	
Max Chl Dpth (ft)	0.63	Hydr. Depth (ft)		0.32	
Conv. Total (cfs)	357.5	Conv. (cfs)		357.5	
Length Wtd. (ft)	29.20	Wetted Per. (ft)		62.95	
Min Ch El (ft)	7052.00	Shear (lb/sq ft)		0.35	
Alpha	1.00	Stream Power (lb/ft s)		0.81	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2045 Profile: Q010 (Continued)

Frctn Loss (ft)	0.53	Cum Volume (acre-ft)		0.56	
C & E Loss (ft)	0.00	Cum SA (acres)		1.31	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2015.80* Profile: Q010

E.G. Elev (ft)	7052.17	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.09	Wt. n-Val.		0.040	
W.S. Elev (ft)	7052.08	Reach Len. (ft)	35.80	29.20	28.80
Crit W.S. (ft)		Flow Area (sq ft)		19.58	
E.G. Slope (ft/ft)	0.019380	Area (sq ft)		19.58	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	61.93	Top Width (ft)		61.93	
Vel Total (ft/s)	2.40	Avg. Vel. (ft/s)		2.40	
Max Chl Dpth (ft)	0.62	Hydr. Depth (ft)		0.32	
Conv. Total (cfs)	337.6	Conv. (cfs)		337.6	
Length Wtd. (ft)	29.20	Wetted Per. (ft)		61.96	
Min Ch EI (ft)	7051.46	Shear (lb/sq ft)		0.38	
Alpha	1.00	Stream Power (lb/ft s)		0.92	
Frctn Loss (ft)	0.54	Cum Volume (acre-ft)		0.55	
C & E Loss (ft)	0.00	Cum SA (acres)		1.26	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1986.60* Profile: Q010

E.G. Elev (ft)	7051.64	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.09	Wt. n-Val.		0.040	
W.S. Elev (ft)	7051.55	Reach Len. (ft)	35.80	29.20	28.80
Crit W.S. (ft)		Flow Area (sq ft)		19.92	
E.G. Slope (ft/ft)	0.017792	Area (sq ft)		19.92	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	60.57	Top Width (ft)		60.57	
Vel Total (ft/s)	2.36	Avg. Vel. (ft/s)		2.36	
Max Chl Dpth (ft)	0.63	Hydr. Depth (ft)		0.33	
Conv. Total (cfs)	352.4	Conv. (cfs)		352.4	
Length Wtd. (ft)	29.20	Wetted Per. (ft)		60.59	
Min Ch EI (ft)	7050.92	Shear (lb/sq ft)		0.37	
Alpha	1.00	Stream Power (lb/ft s)		0.86	
Frctn Loss (ft)	0.56	Cum Volume (acre-ft)		0.54	
C & E Loss (ft)	0.00	Cum SA (acres)		1.22	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1957.40* Profile: Q010

E.G. Elev (ft)	7051.09	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.09	Wt. n-Val.		0.040	
W.S. Elev (ft)	7050.99	Reach Len. (ft)	35.80	29.20	28.80
Crit W.S. (ft)		Flow Area (sq ft)		19.09	
E.G. Slope (ft/ft)	0.020372	Area (sq ft)		19.09	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	60.30	Top Width (ft)		60.30	
Vel Total (ft/s)	2.46	Avg. Vel. (ft/s)		2.46	
Max Chl Dpth (ft)	0.61	Hydr. Depth (ft)		0.32	
Conv. Total (cfs)	329.3	Conv. (cfs)		329.3	
Length Wtd. (ft)	29.20	Wetted Per. (ft)		60.31	
Min Ch EI (ft)	7050.38	Shear (lb/sq ft)		0.40	
Alpha	1.00	Stream Power (lb/ft s)		0.99	
Frctn Loss (ft)	0.53	Cum Volume (acre-ft)		0.52	
C & E Loss (ft)	0.00	Cum SA (acres)		1.18	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1928.20* Profile: Q010

E.G. Elev (ft)	7050.56	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.		0.040	
W.S. Elev (ft)	7050.48	Reach Len. (ft)	35.80	29.20	28.80
Crit W.S. (ft)		Flow Area (sq ft)		20.61	
E.G. Slope (ft/ft)	0.016141	Area (sq ft)		20.61	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	61.37	Top Width (ft)		61.37	
Vel Total (ft/s)	2.28	Avg. Vel. (ft/s)		2.28	
Max Chl Dpth (ft)	0.64	Hydr. Depth (ft)		0.34	
Conv. Total (cfs)	369.9	Conv. (cfs)		369.9	
Length Wtd. (ft)	29.20	Wetted Per. (ft)		61.39	
Min Ch El (ft)	7049.84	Shear (lb/sq ft)		0.34	
Alpha	1.00	Stream Power (lb/ft s)		0.77	
Frctn Loss (ft)	0.56	Cum Volume (acre-ft)		0.51	
C & E Loss (ft)	0.00	Cum SA (acres)		1.14	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1899 Profile: Q010

E.G. Elev (ft)	7049.99	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.11	Wt. n-Val.		0.040	
W.S. Elev (ft)	7049.88	Reach Len. (ft)	45.67	43.00	43.67
Crit W.S. (ft)	7049.84	Flow Area (sq ft)		17.82	
E.G. Slope (ft/ft)	0.023457	Area (sq ft)		17.82	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	56.42	Top Width (ft)		56.42	
Vel Total (ft/s)	2.64	Avg. Vel. (ft/s)		2.64	
Max Chl Dpth (ft)	0.58	Hydr. Depth (ft)		0.32	
Conv. Total (cfs)	306.9	Conv. (cfs)		306.9	
Length Wtd. (ft)	43.00	Wetted Per. (ft)		56.44	
Min Ch El (ft)	7049.30	Shear (lb/sq ft)		0.46	
Alpha	1.00	Stream Power (lb/ft s)		1.22	
Frctn Loss (ft)	0.95	Cum Volume (acre-ft)		0.50	
C & E Loss (ft)	0.00	Cum SA (acres)		1.10	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1856.00* Profile: Q010

E.G. Elev (ft)	7049.05	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.11	Wt. n-Val.		0.040	
W.S. Elev (ft)	7048.94	Reach Len. (ft)	45.67	43.00	43.67
Crit W.S. (ft)		Flow Area (sq ft)		17.96	
E.G. Slope (ft/ft)	0.020816	Area (sq ft)		17.96	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	52.65	Top Width (ft)		52.65	
Vel Total (ft/s)	2.62	Avg. Vel. (ft/s)		2.62	
Max Chl Dpth (ft)	0.57	Hydr. Depth (ft)		0.34	
Conv. Total (cfs)	325.8	Conv. (cfs)		325.8	
Length Wtd. (ft)	43.00	Wetted Per. (ft)		52.66	
Min Ch El (ft)	7048.37	Shear (lb/sq ft)		0.44	
Alpha	1.00	Stream Power (lb/ft s)		1.16	
Frctn Loss (ft)	0.98	Cum Volume (acre-ft)		0.48	
C & E Loss (ft)	0.00	Cum SA (acres)		1.05	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1813.00* Profile: Q010

E.G. Elev (ft)	7048.08	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.		0.040	
W.S. Elev (ft)	7047.96	Reach Len. (ft)	45.67	43.00	43.67
Crit W.S. (ft)	7047.92	Flow Area (sq ft)		16.95	
E.G. Slope (ft/ft)	0.024927	Area (sq ft)		16.95	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	52.12	Top Width (ft)		52.12	
Vel Total (ft/s)	2.77	Avg. Vel. (ft/s)		2.77	
Max Chl Dpth (ft)	0.53	Hydr. Depth (ft)		0.33	
Conv. Total (cfs)	297.7	Conv. (cfs)		297.7	
Length Wtd. (ft)	43.00	Wetted Per. (ft)		52.13	
Min Ch El (ft)	7047.43	Shear (lb/sq ft)		0.51	
Alpha	1.00	Stream Power (lb/ft s)		1.40	
Frctn Loss (ft)	0.97	Cum Volume (acre-ft)		0.46	
C & E Loss (ft)	0.01	Cum SA (acres)		1.00	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1770 Profile: Q010

E.G. Elev (ft)	7047.11	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.040	
W.S. Elev (ft)	7047.01	Reach Len. (ft)	45.75	45.25	62.75
Crit W.S. (ft)		Flow Area (sq ft)		18.42	
E.G. Slope (ft/ft)	0.020335	Area (sq ft)		18.42	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	55.11	Top Width (ft)		55.11	
Vel Total (ft/s)	2.55	Avg. Vel. (ft/s)		2.55	
Max Chl Dpth (ft)	0.50	Hydr. Depth (ft)		0.33	
Conv. Total (cfs)	329.6	Conv. (cfs)		329.6	
Length Wtd. (ft)	45.25	Wetted Per. (ft)		55.13	
Min Ch El (ft)	7046.50	Shear (lb/sq ft)		0.42	
Alpha	1.00	Stream Power (lb/ft s)		1.08	
Frctn Loss (ft)	1.12	Cum Volume (acre-ft)		0.45	
C & E Loss (ft)	0.00	Cum SA (acres)		0.94	

Errors Warnings and Notes

Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1724.75* Profile: Q010

E.G. Elev (ft)	7045.98	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.13	Wt. n-Val.		0.040	
W.S. Elev (ft)	7045.85	Reach Len. (ft)	45.75	45.25	62.75
Crit W.S. (ft)	7045.83	Flow Area (sq ft)		16.20	
E.G. Slope (ft/ft)	0.030698	Area (sq ft)		16.20	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	54.43	Top Width (ft)		54.43	
Vel Total (ft/s)	2.90	Avg. Vel. (ft/s)		2.90	
Max Chl Dpth (ft)	0.46	Hydr. Depth (ft)		0.30	
Conv. Total (cfs)	268.3	Conv. (cfs)		268.3	
Length Wtd. (ft)	45.25	Wetted Per. (ft)		54.45	
Min Ch El (ft)	7045.38	Shear (lb/sq ft)		0.57	
Alpha	1.00	Stream Power (lb/ft s)		1.65	
Frctn Loss (ft)	1.09	Cum Volume (acre-ft)		0.43	
C & E Loss (ft)	0.01	Cum SA (acres)		0.89	

Errors Warnings and Notes

Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate
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Errors Warnings and Notes (Continued)

	the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1679.50* Profile: Q010

E.G. Elev (ft)	7044.87	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.09	Wt. n-Val.		0.040	
W.S. Elev (ft)	7044.78	Reach Len. (ft)	45.75	45.25	62.75
Crit W.S. (ft)	7044.71	Flow Area (sq ft)		19.43	
E.G. Slope (ft/ft)	0.019267	Area (sq ft)		19.43	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	60.44	Top Width (ft)		60.44	
Vel Total (ft/s)	2.42	Avg. Vel. (ft/s)		2.42	
Max Chl Dpth (ft)	0.53	Hydr. Depth (ft)		0.32	
Conv. Total (cfs)	338.6	Conv. (cfs)		338.6	
Length Wtd. (ft)	45.25	Wetted Per. (ft)		60.45	
Min Ch EI (ft)	7044.25	Shear (lb/sq ft)		0.39	
Alpha	1.00	Stream Power (lb/ft s)		0.94	
Frctn Loss (ft)	1.15	Cum Volume (acre-ft)		0.41	
C & E Loss (ft)	0.00	Cum SA (acres)		0.83	

Errors Warnings and Notes

Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1634.25* Profile: Q010

E.G. Elev (ft)	7043.73	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.13	Wt. n-Val.		0.040	
W.S. Elev (ft)	7043.60	Reach Len. (ft)	45.75	45.25	62.75
Crit W.S. (ft)	7043.59	Flow Area (sq ft)		16.12	
E.G. Slope (ft/ft)	0.034848	Area (sq ft)		16.12	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	59.13	Top Width (ft)		59.13	
Vel Total (ft/s)	2.92	Avg. Vel. (ft/s)		2.92	
Max Chl Dpth (ft)	0.48	Hydr. Depth (ft)		0.27	
Conv. Total (cfs)	251.8	Conv. (cfs)		251.8	
Length Wtd. (ft)	45.25	Wetted Per. (ft)		59.14	
Min Ch EI (ft)	7043.12	Shear (lb/sq ft)		0.59	
Alpha	1.00	Stream Power (lb/ft s)		1.73	
Frctn Loss (ft)	0.96	Cum Volume (acre-ft)		0.39	
C & E Loss (ft)	0.01	Cum SA (acres)		0.77	

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1589 Profile: Q010

E.G. Elev (ft)	7042.76	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.040	
W.S. Elev (ft)	7042.65	Reach Len. (ft)	32.43	33.57	31.14
Crit W.S. (ft)		Flow Area (sq ft)		30.46	
E.G. Slope (ft/ft)	0.016698	Area (sq ft)		30.46	
Q Total (cfs)	79.00	Flow (cfs)		79.00	
Top Width (ft)	76.64	Top Width (ft)		76.64	
Vel Total (ft/s)	2.59	Avg. Vel. (ft/s)		2.59	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1589 Profile: Q010 (Continued)

Max Chl Dpth (ft)	0.65	Hydr. Depth (ft)		0.40	
Conv. Total (cfs)	611.4	Conv. (cfs)		611.4	
Length Wtd. (ft)	33.57	Wetted Per. (ft)		76.69	
Min Ch El (ft)	7042.00	Shear (lb/sq ft)		0.41	
Alpha	1.00	Stream Power (lb/ft s)		1.07	
Frctn Loss (ft)	0.56	Cum Volume (acre-ft)		0.37	
C & E Loss (ft)	0.00	Cum SA (acres)		0.70	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1555.43* Profile: Q010

E.G. Elev (ft)	7042.20	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.11	Wt. n-Val.		0.040	
W.S. Elev (ft)	7042.09	Reach Len. (ft)	32.43	33.57	31.14
Crit W.S. (ft)		Flow Area (sq ft)		29.91	
E.G. Slope (ft/ft)	0.016568	Area (sq ft)		29.91	
Q Total (cfs)	79.00	Flow (cfs)		79.00	
Top Width (ft)	72.83	Top Width (ft)		72.83	
Vel Total (ft/s)	2.64	Avg. Vel. (ft/s)		2.64	
Max Chl Dpth (ft)	0.70	Hydr. Depth (ft)		0.41	
Conv. Total (cfs)	613.8	Conv. (cfs)		613.8	
Length Wtd. (ft)	33.57	Wetted Per. (ft)		72.85	
Min Ch El (ft)	7041.39	Shear (lb/sq ft)		0.42	
Alpha	1.00	Stream Power (lb/ft s)		1.12	
Frctn Loss (ft)	0.56	Cum Volume (acre-ft)		0.34	
C & E Loss (ft)	0.00	Cum SA (acres)		0.64	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1521.86* Profile: Q010

E.G. Elev (ft)	7041.64	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.		0.040	
W.S. Elev (ft)	7041.52	Reach Len. (ft)	32.43	33.57	31.14
Crit W.S. (ft)		Flow Area (sq ft)		28.87	
E.G. Slope (ft/ft)	0.016621	Area (sq ft)		28.87	
Q Total (cfs)	79.00	Flow (cfs)		79.00	
Top Width (ft)	66.85	Top Width (ft)		66.85	
Vel Total (ft/s)	2.74	Avg. Vel. (ft/s)		2.74	
Max Chl Dpth (ft)	0.75	Hydr. Depth (ft)		0.43	
Conv. Total (cfs)	612.8	Conv. (cfs)		612.8	
Length Wtd. (ft)	33.57	Wetted Per. (ft)		66.87	
Min Ch El (ft)	7040.77	Shear (lb/sq ft)		0.45	
Alpha	1.00	Stream Power (lb/ft s)		1.23	
Frctn Loss (ft)	0.56	Cum Volume (acre-ft)		0.32	
C & E Loss (ft)	0.00	Cum SA (acres)		0.58	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1488.29* Profile: Q010

E.G. Elev (ft)	7041.07	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.13	Wt. n-Val.		0.040	
W.S. Elev (ft)	7040.94	Reach Len. (ft)	32.43	33.57	31.14
Crit W.S. (ft)		Flow Area (sq ft)		27.48	
E.G. Slope (ft/ft)	0.016954	Area (sq ft)		27.48	
Q Total (cfs)	79.00	Flow (cfs)		79.00	
Top Width (ft)	59.94	Top Width (ft)		59.94	
Vel Total (ft/s)	2.87	Avg. Vel. (ft/s)		2.87	
Max Chl Dpth (ft)	0.78	Hydr. Depth (ft)		0.46	
Conv. Total (cfs)	606.7	Conv. (cfs)		606.7	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1488.29* Profile: Q010 (Continued)

Length Wtd. (ft)	33.57	Wetted Per. (ft)		59.97	
Min Ch El (ft)	7040.16	Shear (lb/sq ft)		0.48	
Alpha	1.00	Stream Power (lb/ft s)		1.39	
Frctn Loss (ft)	0.56	Cum Volume (acre-ft)		0.30	
C & E Loss (ft)	0.00	Cum SA (acres)		0.54	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1454.71* Profile: Q010

E.G. Elev (ft)	7040.51	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.14	Wt. n-Val.		0.040	
W.S. Elev (ft)	7040.37	Reach Len. (ft)	32.43	33.57	31.14
Crit W.S. (ft)		Flow Area (sq ft)		26.79	
E.G. Slope (ft/ft)	0.016565	Area (sq ft)		26.79	
Q Total (cfs)	79.00	Flow (cfs)		79.00	
Top Width (ft)	55.25	Top Width (ft)		55.25	
Vel Total (ft/s)	2.95	Avg. Vel. (ft/s)		2.95	
Max Chl Dpth (ft)	0.83	Hydr. Depth (ft)		0.48	
Conv. Total (cfs)	613.8	Conv. (cfs)		613.8	
Length Wtd. (ft)	33.57	Wetted Per. (ft)		55.29	
Min Ch El (ft)	7039.54	Shear (lb/sq ft)		0.50	
Alpha	1.00	Stream Power (lb/ft s)		1.48	
Frctn Loss (ft)	0.56	Cum Volume (acre-ft)		0.28	
C & E Loss (ft)	0.00	Cum SA (acres)		0.49	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1421.14* Profile: Q010

E.G. Elev (ft)	7039.95	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.15	Wt. n-Val.		0.040	
W.S. Elev (ft)	7039.80	Reach Len. (ft)	32.43	33.57	31.14
Crit W.S. (ft)		Flow Area (sq ft)		25.80	
E.G. Slope (ft/ft)	0.016980	Area (sq ft)		25.80	
Q Total (cfs)	79.00	Flow (cfs)		79.00	
Top Width (ft)	51.24	Top Width (ft)		51.24	
Vel Total (ft/s)	3.06	Avg. Vel. (ft/s)		3.06	
Max Chl Dpth (ft)	0.87	Hydr. Depth (ft)		0.50	
Conv. Total (cfs)	606.3	Conv. (cfs)		606.3	
Length Wtd. (ft)	33.57	Wetted Per. (ft)		51.30	
Min Ch El (ft)	7038.93	Shear (lb/sq ft)		0.53	
Alpha	1.00	Stream Power (lb/ft s)		1.63	
Frctn Loss (ft)	0.56	Cum Volume (acre-ft)		0.26	
C & E Loss (ft)	0.00	Cum SA (acres)		0.45	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1387.57* Profile: Q010

E.G. Elev (ft)	7039.39	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.15	Wt. n-Val.		0.040	
W.S. Elev (ft)	7039.24	Reach Len. (ft)	32.43	33.57	31.14
Crit W.S. (ft)		Flow Area (sq ft)		25.37	
E.G. Slope (ft/ft)	0.016419	Area (sq ft)		25.37	
Q Total (cfs)	79.00	Flow (cfs)		79.00	
Top Width (ft)	47.88	Top Width (ft)		47.88	
Vel Total (ft/s)	3.11	Avg. Vel. (ft/s)		3.11	
Max Chl Dpth (ft)	0.93	Hydr. Depth (ft)		0.53	
Conv. Total (cfs)	616.5	Conv. (cfs)		616.5	
Length Wtd. (ft)	33.57	Wetted Per. (ft)		47.95	
Min Ch El (ft)	7038.31	Shear (lb/sq ft)		0.54	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1387.57* Profile: Q010 (Continued)

Alpha	1.00	Stream Power (lb/ft s)		1.69	
Frctn Loss (ft)	0.55	Cum Volume (acre-ft)		0.24	
C & E Loss (ft)	0.00	Cum SA (acres)		0.41	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1354 Profile: Q010

E.G. Elev (ft)	7038.83	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.16	Wt. n-Val.		0.040	
W.S. Elev (ft)	7038.67	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)		Flow Area (sq ft)		24.60	
E.G. Slope (ft/ft)	0.016628	Area (sq ft)		24.60	
Q Total (cfs)	79.00	Flow (cfs)		79.00	
Top Width (ft)	44.72	Top Width (ft)		44.72	
Vel Total (ft/s)	3.21	Avg. Vel. (ft/s)		3.21	
Max Chl Dpth (ft)	0.97	Hydr. Depth (ft)		0.55	
Conv. Total (cfs)	612.7	Conv. (cfs)		612.7	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		44.81	
Min Ch El (ft)	7037.70	Shear (lb/sq ft)		0.57	
Alpha	1.00	Stream Power (lb/ft s)		1.83	
Frctn Loss (ft)	0.30	Cum Volume (acre-ft)		0.22	
C & E Loss (ft)	0.00	Cum SA (acres)		0.38	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1335.88* Profile: Q010

E.G. Elev (ft)	7038.54	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.15	Wt. n-Val.		0.040	
W.S. Elev (ft)	7038.39	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)		Flow Area (sq ft)		25.38	
E.G. Slope (ft/ft)	0.016079	Area (sq ft)		25.38	
Q Total (cfs)	79.00	Flow (cfs)		79.00	
Top Width (ft)	47.17	Top Width (ft)		47.17	
Vel Total (ft/s)	3.11	Avg. Vel. (ft/s)		3.11	
Max Chl Dpth (ft)	0.93	Hydr. Depth (ft)		0.54	
Conv. Total (cfs)	623.0	Conv. (cfs)		623.0	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		47.25	
Min Ch El (ft)	7037.46	Shear (lb/sq ft)		0.54	
Alpha	1.00	Stream Power (lb/ft s)		1.68	
Frctn Loss (ft)	0.29	Cum Volume (acre-ft)		0.21	
C & E Loss (ft)	0.00	Cum SA (acres)		0.36	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1317.75* Profile: Q010

E.G. Elev (ft)	7038.24	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.15	Wt. n-Val.		0.040	
W.S. Elev (ft)	7038.10	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)		Flow Area (sq ft)		25.79	
E.G. Slope (ft/ft)	0.016413	Area (sq ft)		25.79	
Q Total (cfs)	79.00	Flow (cfs)		79.00	
Top Width (ft)	49.87	Top Width (ft)		49.87	
Vel Total (ft/s)	3.06	Avg. Vel. (ft/s)		3.06	
Max Chl Dpth (ft)	0.87	Hydr. Depth (ft)		0.52	
Conv. Total (cfs)	616.6	Conv. (cfs)		616.6	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		49.93	
Min Ch El (ft)	7037.23	Shear (lb/sq ft)		0.53	
Alpha	1.00	Stream Power (lb/ft s)		1.62	
Frctn Loss (ft)	0.29	Cum Volume (acre-ft)		0.20	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1317.75* Profile: Q010 (Continued)

C & E Loss (ft)	0.00	Cum SA (acres)		0.34	
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1299.63* Profile: Q010

E.G. Elev (ft)	7037.95	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.14	Wt. n-Val.		0.040	
W.S. Elev (ft)	7037.81	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)		Flow Area (sq ft)		26.54	
E.G. Slope (ft/ft)	0.016103	Area (sq ft)		26.54	
Q Total (cfs)	79.00	Flow (cfs)		79.00	
Top Width (ft)	52.85	Top Width (ft)		52.85	
Vel Total (ft/s)	2.98	Avg. Vel. (ft/s)		2.98	
Max Chl Dpth (ft)	0.82	Hydr. Depth (ft)		0.50	
Conv. Total (cfs)	622.6	Conv. (cfs)		622.6	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		52.90	
Min Ch El (ft)	7036.99	Shear (lb/sq ft)		0.50	
Alpha	1.00	Stream Power (lb/ft s)		1.50	
Frctn Loss (ft)	0.29	Cum Volume (acre-ft)		0.19	
C & E Loss (ft)	0.00	Cum SA (acres)		0.32	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1281.50* Profile: Q010

E.G. Elev (ft)	7037.66	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.13	Wt. n-Val.		0.040	
W.S. Elev (ft)	7037.53	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)		Flow Area (sq ft)		27.26	
E.G. Slope (ft/ft)	0.016030	Area (sq ft)		27.26	
Q Total (cfs)	79.00	Flow (cfs)		79.00	
Top Width (ft)	56.34	Top Width (ft)		56.34	
Vel Total (ft/s)	2.90	Avg. Vel. (ft/s)		2.90	
Max Chl Dpth (ft)	0.77	Hydr. Depth (ft)		0.48	
Conv. Total (cfs)	624.0	Conv. (cfs)		624.0	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		56.38	
Min Ch El (ft)	7036.75	Shear (lb/sq ft)		0.48	
Alpha	1.00	Stream Power (lb/ft s)		1.40	
Frctn Loss (ft)	0.29	Cum Volume (acre-ft)		0.18	
C & E Loss (ft)	0.00	Cum SA (acres)		0.29	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1263.38* Profile: Q010

E.G. Elev (ft)	7037.36	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.13	Wt. n-Val.		0.040	
W.S. Elev (ft)	7037.23	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)		Flow Area (sq ft)		27.67	
E.G. Slope (ft/ft)	0.016387	Area (sq ft)		27.67	
Q Total (cfs)	79.00	Flow (cfs)		79.00	
Top Width (ft)	59.42	Top Width (ft)		59.42	
Vel Total (ft/s)	2.86	Avg. Vel. (ft/s)		2.86	
Max Chl Dpth (ft)	0.72	Hydr. Depth (ft)		0.47	
Conv. Total (cfs)	617.1	Conv. (cfs)		617.1	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		59.47	
Min Ch El (ft)	7036.51	Shear (lb/sq ft)		0.48	
Alpha	1.00	Stream Power (lb/ft s)		1.36	
Frctn Loss (ft)	0.29	Cum Volume (acre-ft)		0.16	
C & E Loss (ft)	0.00	Cum SA (acres)		0.27	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1245.25* Profile: Q010

E.G. Elev (ft)	7037.06	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.		0.040	
W.S. Elev (ft)	7036.95	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)	7036.85	Flow Area (sq ft)		28.66	
E.G. Slope (ft/ft)	0.015348	Area (sq ft)		28.66	
Q Total (cfs)	79.00	Flow (cfs)		79.00	
Top Width (ft)	61.76	Top Width (ft)		61.76	
Vel Total (ft/s)	2.76	Avg. Vel. (ft/s)		2.76	
Max Chl Dpth (ft)	0.68	Hydr. Depth (ft)		0.46	
Conv. Total (cfs)	637.7	Conv. (cfs)		637.7	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		61.82	
Min Ch EI (ft)	7036.27	Shear (lb/sq ft)		0.44	
Alpha	1.00	Stream Power (lb/ft s)		1.22	
Frctn Loss (ft)	0.30	Cum Volume (acre-ft)		0.15	
C & E Loss (ft)	0.00	Cum SA (acres)		0.24	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1227.13* Profile: Q010

E.G. Elev (ft)	7036.76	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.13	Wt. n-Val.		0.040	
W.S. Elev (ft)	7036.63	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)		Flow Area (sq ft)		27.50	
E.G. Slope (ft/ft)	0.018366	Area (sq ft)		27.50	
Q Total (cfs)	79.00	Flow (cfs)		79.00	
Top Width (ft)	63.72	Top Width (ft)		63.72	
Vel Total (ft/s)	2.87	Avg. Vel. (ft/s)		2.87	
Max Chl Dpth (ft)	0.59	Hydr. Depth (ft)		0.43	
Conv. Total (cfs)	582.9	Conv. (cfs)		582.9	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		63.79	
Min Ch EI (ft)	7036.04	Shear (lb/sq ft)		0.49	
Alpha	1.00	Stream Power (lb/ft s)		1.42	
Frctn Loss (ft)	0.22	Cum Volume (acre-ft)		0.14	
C & E Loss (ft)	0.01	Cum SA (acres)		0.22	

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1209 Profile: Q010

E.G. Elev (ft)	7036.52	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.		0.040	
W.S. Elev (ft)	7036.44	Reach Len. (ft)	17.50	18.00	16.00
Crit W.S. (ft)		Flow Area (sq ft)		35.13	
E.G. Slope (ft/ft)	0.008642	Area (sq ft)		35.13	
Q Total (cfs)	79.00	Flow (cfs)		79.00	
Top Width (ft)	66.72	Top Width (ft)		66.72	
Vel Total (ft/s)	2.25	Avg. Vel. (ft/s)		2.25	
Max Chl Dpth (ft)	0.64	Hydr. Depth (ft)		0.53	
Conv. Total (cfs)	849.8	Conv. (cfs)		849.8	
Length Wtd. (ft)	18.00	Wetted Per. (ft)		66.84	
Min Ch EI (ft)	7035.80	Shear (lb/sq ft)		0.28	
Alpha	1.00	Stream Power (lb/ft s)		0.64	
Frctn Loss (ft)	0.22	Cum Volume (acre-ft)		0.13	
C & E Loss (ft)	0.01	Cum SA (acres)		0.19	

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than
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Errors Warnings and Notes (Continued)

1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1191.00* Profile: Q010

E.G. Elev (ft)	7036.29	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.17	Wt. n-Val.		0.040	
W.S. Elev (ft)	7036.12	Reach Len. (ft)	17.50	18.00	16.00
Crit W.S. (ft)		Flow Area (sq ft)		23.99	
E.G. Slope (ft/ft)	0.019437	Area (sq ft)		23.99	
Q Total (cfs)	79.00	Flow (cfs)		79.00	
Top Width (ft)	47.29	Top Width (ft)		47.29	
Vel Total (ft/s)	3.29	Avg. Vel. (ft/s)		3.29	
Max Chl Dpth (ft)	0.72	Hydr. Depth (ft)		0.51	
Conv. Total (cfs)	566.6	Conv. (cfs)		566.6	
Length Wtd. (ft)	18.00	Wetted Per. (ft)		47.33	
Min Ch EI (ft)	7035.40	Shear (lb/sq ft)		0.62	
Alpha	1.00	Stream Power (lb/ft s)		2.03	
Frctn Loss (ft)	0.32	Cum Volume (acre-ft)		0.12	
C & E Loss (ft)	0.03	Cum SA (acres)		0.17	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1173 Profile: Q010

E.G. Elev (ft)	7035.94	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.07	Wt. n-Val.		0.078	
W.S. Elev (ft)	7035.86	Reach Len. (ft)	24.50	25.50	25.00
Crit W.S. (ft)		Flow Area (sq ft)		36.82	
E.G. Slope (ft/ft)	0.016640	Area (sq ft)		36.82	
Q Total (cfs)	79.00	Flow (cfs)		79.00	
Top Width (ft)	44.81	Top Width (ft)		44.81	
Vel Total (ft/s)	2.15	Avg. Vel. (ft/s)		2.15	
Max Chl Dpth (ft)	0.86	Hydr. Depth (ft)		0.82	
Conv. Total (cfs)	612.4	Conv. (cfs)		612.4	
Length Wtd. (ft)	25.50	Wetted Per. (ft)		45.13	
Min Ch EI (ft)	7035.00	Shear (lb/sq ft)		0.85	
Alpha	1.00	Stream Power (lb/ft s)		1.82	
Frctn Loss (ft)	0.40	Cum Volume (acre-ft)		0.10	
C & E Loss (ft)	0.00	Cum SA (acres)		0.15	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1147.50* Profile: Q010

E.G. Elev (ft)	7035.54	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.07	Wt. n-Val.		0.078	
W.S. Elev (ft)	7035.47	Reach Len. (ft)	24.50	25.50	25.00
Crit W.S. (ft)		Flow Area (sq ft)		37.13	
E.G. Slope (ft/ft)	0.014628	Area (sq ft)		37.13	
Q Total (cfs)	79.00	Flow (cfs)		79.00	
Top Width (ft)	41.54	Top Width (ft)		41.54	
Vel Total (ft/s)	2.13	Avg. Vel. (ft/s)		2.13	
Max Chl Dpth (ft)	0.97	Hydr. Depth (ft)		0.89	
Conv. Total (cfs)	653.2	Conv. (cfs)		653.2	
Length Wtd. (ft)	25.50	Wetted Per. (ft)		41.83	
Min Ch EI (ft)	7034.50	Shear (lb/sq ft)		0.81	
Alpha	1.00	Stream Power (lb/ft s)		1.72	
Frctn Loss (ft)	0.63	Cum Volume (acre-ft)		0.08	
C & E Loss (ft)	0.01	Cum SA (acres)		0.12	

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than
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Errors Warnings and Notes (Continued)

	1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1122 Profile: Q010

E.G. Elev (ft)	7034.90	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.17	Wt. n-Val.		0.078	
W.S. Elev (ft)	7034.73	Reach Len. (ft)	22.00	24.00	21.00
Crit W.S. (ft)		Flow Area (sq ft)		24.17	
E.G. Slope (ft/ft)	0.050162	Area (sq ft)		24.17	
Q Total (cfs)	79.00	Flow (cfs)		79.00	
Top Width (ft)	35.87	Top Width (ft)		35.87	
Vel Total (ft/s)	3.27	Avg. Vel. (ft/s)		3.27	
Max Chl Dpth (ft)	0.73	Hydr. Depth (ft)		0.67	
Conv. Total (cfs)	352.7	Conv. (cfs)		352.7	
Length Wtd. (ft)	24.00	Wetted Per. (ft)		36.05	
Min Ch El (ft)	7034.00	Shear (lb/sq ft)		2.10	
Alpha	1.00	Stream Power (lb/ft s)		6.86	
Frctn Loss (ft)	1.30	Cum Volume (acre-ft)		0.06	
C & E Loss (ft)	0.00	Cum SA (acres)		0.10	

Errors Warnings and Notes

Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1098 Profile: Q010

E.G. Elev (ft)	7033.60	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.18	Wt. n-Val.		0.078	
W.S. Elev (ft)	7033.42	Reach Len. (ft)	49.50	49.00	50.00
Crit W.S. (ft)		Flow Area (sq ft)		23.01	
E.G. Slope (ft/ft)	0.058235	Area (sq ft)		23.01	
Q Total (cfs)	79.00	Flow (cfs)		79.00	
Top Width (ft)	35.43	Top Width (ft)		35.43	
Vel Total (ft/s)	3.43	Avg. Vel. (ft/s)		3.43	
Max Chl Dpth (ft)	0.92	Hydr. Depth (ft)		0.65	
Conv. Total (cfs)	327.4	Conv. (cfs)		327.4	
Length Wtd. (ft)	49.00	Wetted Per. (ft)		35.65	
Min Ch El (ft)	7032.50	Shear (lb/sq ft)		2.35	
Alpha	1.00	Stream Power (lb/ft s)		8.06	
Frctn Loss (ft)	3.05	Cum Volume (acre-ft)		0.05	
C & E Loss (ft)	0.00	Cum SA (acres)		0.08	

Errors Warnings and Notes

Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1049.00* Profile: Q010

E.G. Elev (ft)	7030.55	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.20	Wt. n-Val.		0.078	
W.S. Elev (ft)	7030.35	Reach Len. (ft)	49.50	49.00	50.00
Crit W.S. (ft)	7030.24	Flow Area (sq ft)		22.06	
E.G. Slope (ft/ft)	0.066771	Area (sq ft)		22.06	
Q Total (cfs)	79.00	Flow (cfs)		79.00	
Top Width (ft)	35.40	Top Width (ft)		35.40	
Vel Total (ft/s)	3.58	Avg. Vel. (ft/s)		3.58	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1049.00* Profile: Q010 (Continued)

Max Chl Dpth (ft)	0.90	Hydr. Depth (ft)		0.62	
Conv. Total (cfs)	305.7	Conv. (cfs)		305.7	
Length Wtd. (ft)	49.00	Wetted Per. (ft)		35.55	
Min Ch El (ft)	7029.45	Shear (lb/sq ft)		2.59	
Alpha	1.00	Stream Power (lb/ft s)		9.26	
Frctn Loss (ft)	3.27	Cum Volume (acre-ft)		0.02	
C & E Loss (ft)	0.00	Cum SA (acres)		0.04	

Errors Warnings and Notes

Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1000 Profile: Q010

E.G. Elev (ft)	7027.27	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.20	Wt. n-Val.		0.078	
W.S. Elev (ft)	7027.08	Reach Len. (ft)			
Crit W.S. (ft)	7026.98	Flow Area (sq ft)		22.07	
E.G. Slope (ft/ft)	0.066746	Area (sq ft)		22.07	
Q Total (cfs)	79.00	Flow (cfs)		79.00	
Top Width (ft)	35.40	Top Width (ft)		35.40	
Vel Total (ft/s)	3.58	Avg. Vel. (ft/s)		3.58	
Max Chl Dpth (ft)	0.67	Hydr. Depth (ft)		0.62	
Conv. Total (cfs)	305.8	Conv. (cfs)		305.8	
Length Wtd. (ft)		Wetted Per. (ft)		35.56	
Min Ch El (ft)	7026.40	Shear (lb/sq ft)		2.59	
Alpha	1.00	Stream Power (lb/ft s)		9.26	
Frctn Loss (ft)		Cum Volume (acre-ft)			
C & E Loss (ft)		Cum SA (acres)			

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5710 Profile: Q002

E.G. Elev (ft)	7125.75	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.		0.078	
W.S. Elev (ft)	7125.66	Reach Len. (ft)	34.00	38.00	40.00
Crit W.S. (ft)	7125.66	Flow Area (sq ft)		0.99	
E.G. Slope (ft/ft)	0.177797	Area (sq ft)		0.99	
Q Total (cfs)	2.30	Flow (cfs)		2.30	
Top Width (ft)	6.13	Top Width (ft)		6.13	
Vel Total (ft/s)	2.33	Avg. Vel. (ft/s)		2.33	
Max Chl Dpth (ft)	0.16	Hydr. Depth (ft)		0.16	
Conv. Total (cfs)	5.5	Conv. (cfs)		5.5	
Length Wtd. (ft)	38.00	Wetted Per. (ft)		6.35	
Min Ch El (ft)	7125.50	Shear (lb/sq ft)		1.73	
Alpha	1.00	Stream Power (lb/ft s)		4.02	
Frctn Loss (ft)	1.08	Cum Volume (acre-ft)		0.52	0.00
C & E Loss (ft)	0.02	Cum SA (acres)		2.99	0.01

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning:	During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5672 Profile: Q002

E.G. Elev (ft)	7123.97	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.078	
W.S. Elev (ft)	7123.96	Reach Len. (ft)	49.00	50.00	50.75
Crit W.S. (ft)	7123.77	Flow Area (sq ft)		3.06	
E.G. Slope (ft/ft)	0.011056	Area (sq ft)		3.06	
Q Total (cfs)	2.30	Flow (cfs)		2.30	
Top Width (ft)	13.28	Top Width (ft)		13.28	
Vel Total (ft/s)	0.75	Avg. Vel. (ft/s)		0.75	
Max Chl Dpth (ft)	0.46	Hydr. Depth (ft)		0.23	
Conv. Total (cfs)	21.9	Conv. (cfs)		21.9	
Length Wtd. (ft)	50.00	Wetted Per. (ft)		13.31	
Min Ch El (ft)	7123.50	Shear (lb/sq ft)		0.16	
Alpha	1.00	Stream Power (lb/ft s)		0.12	
Frctn Loss (ft)	0.48	Cum Volume (acre-ft)		0.52	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.98	0.01

Errors Warnings and Notes

Note:	Hydraulic jump has occurred between this cross section and the previous upstream section.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5622.00* Profile: Q002

E.G. Elev (ft)	7123.49	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.078	
W.S. Elev (ft)	7123.49	Reach Len. (ft)	49.00	50.00	50.75
Crit W.S. (ft)		Flow Area (sq ft)		3.30	
E.G. Slope (ft/ft)	0.008362	Area (sq ft)		3.30	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5622.00* Profile: Q002 (Continued)

Q Total (cfs)	2.30	Flow (cfs)		2.30	
Top Width (ft)	13.04	Top Width (ft)		13.04	
Vel Total (ft/s)	0.70	Avg. Vel. (ft/s)		0.70	
Max Chl Dpth (ft)	0.37	Hydr. Depth (ft)		0.25	
Conv. Total (cfs)	25.2	Conv. (cfs)		25.2	
Length Wtd. (ft)	50.00	Wetted Per. (ft)		13.08	
Min Ch El (ft)	7123.12	Shear (lb/sq ft)		0.13	
Alpha	1.00	Stream Power (lb/ft s)		0.09	
Frctn Loss (ft)	0.47	Cum Volume (acre-ft)		0.51	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.97	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5572.00* Profile: Q002

E.G. Elev (ft)	7123.02	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.078	
W.S. Elev (ft)	7123.01	Reach Len. (ft)	49.00	50.00	50.75
Crit W.S. (ft)		Flow Area (sq ft)		3.21	
E.G. Slope (ft/ft)	0.010583	Area (sq ft)		3.21	
Q Total (cfs)	2.30	Flow (cfs)		2.30	
Top Width (ft)	14.47	Top Width (ft)		14.47	
Vel Total (ft/s)	0.72	Avg. Vel. (ft/s)		0.72	
Max Chl Dpth (ft)	0.26	Hydr. Depth (ft)		0.22	
Conv. Total (cfs)	22.4	Conv. (cfs)		22.4	
Length Wtd. (ft)	50.00	Wetted Per. (ft)		14.50	
Min Ch El (ft)	7122.75	Shear (lb/sq ft)		0.15	
Alpha	1.00	Stream Power (lb/ft s)		0.10	
Frctn Loss (ft)	0.39	Cum Volume (acre-ft)		0.51	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.95	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5522.00* Profile: Q002

E.G. Elev (ft)	7122.64	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.		0.078	
W.S. Elev (ft)	7122.63	Reach Len. (ft)	49.00	50.00	50.75
Crit W.S. (ft)	7122.47	Flow Area (sq ft)		4.18	
E.G. Slope (ft/ft)	0.005912	Area (sq ft)		4.18	
Q Total (cfs)	2.30	Flow (cfs)		2.30	
Top Width (ft)	18.12	Top Width (ft)		18.12	
Vel Total (ft/s)	0.55	Avg. Vel. (ft/s)		0.55	
Max Chl Dpth (ft)	0.25	Hydr. Depth (ft)		0.23	
Conv. Total (cfs)	29.9	Conv. (cfs)		29.9	
Length Wtd. (ft)	50.00	Wetted Per. (ft)		18.16	
Min Ch El (ft)	7122.38	Shear (lb/sq ft)		0.08	
Alpha	1.00	Stream Power (lb/ft s)		0.05	
Frctn Loss (ft)	0.49	Cum Volume (acre-ft)		0.50	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.93	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5472 Profile: Q002

E.G. Elev (ft)	7122.15	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.069	
W.S. Elev (ft)	7122.14	Reach Len. (ft)	32.51	32.74	32.51
Crit W.S. (ft)		Flow Area (sq ft)		2.87	
E.G. Slope (ft/ft)	0.019839	Area (sq ft)		2.87	
Q Total (cfs)	2.30	Flow (cfs)		2.30	
Top Width (ft)	21.12	Top Width (ft)		21.12	
Vel Total (ft/s)	0.80	Avg. Vel. (ft/s)		0.80	
Max Chl Dpth (ft)	0.14	Hydr. Depth (ft)		0.14	
Conv. Total (cfs)	16.3	Conv. (cfs)		16.3	
Length Wtd. (ft)	32.74	Wetted Per. (ft)		21.15	
Min Ch El (ft)	7122.00	Shear (lb/sq ft)		0.17	
Alpha	1.00	Stream Power (lb/ft s)		0.13	
Frctn Loss (ft)	0.49	Cum Volume (acre-ft)		0.50	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.91	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5439.25* Profile: Q002

E.G. Elev (ft)	7121.67	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.069	
W.S. Elev (ft)	7121.66	Reach Len. (ft)	32.51	32.74	32.51
Crit W.S. (ft)		Flow Area (sq ft)		3.39	
E.G. Slope (ft/ft)	0.011559	Area (sq ft)		3.39	
Q Total (cfs)	2.30	Flow (cfs)		2.30	
Top Width (ft)	21.31	Top Width (ft)		21.31	
Vel Total (ft/s)	0.68	Avg. Vel. (ft/s)		0.68	
Max Chl Dpth (ft)	0.16	Hydr. Depth (ft)		0.16	
Conv. Total (cfs)	21.4	Conv. (cfs)		21.4	
Length Wtd. (ft)	32.74	Wetted Per. (ft)		21.35	
Min Ch El (ft)	7121.50	Shear (lb/sq ft)		0.11	
Alpha	1.00	Stream Power (lb/ft s)		0.08	
Frctn Loss (ft)	0.52	Cum Volume (acre-ft)		0.50	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.89	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5406.50* Profile: Q002

E.G. Elev (ft)	7121.15	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.069	
W.S. Elev (ft)	7121.13	Reach Len. (ft)	32.51	32.74	32.51
Crit W.S. (ft)		Flow Area (sq ft)		2.75	
E.G. Slope (ft/ft)	0.022903	Area (sq ft)		2.75	
Q Total (cfs)	2.30	Flow (cfs)		2.30	
Top Width (ft)	21.07	Top Width (ft)		21.07	
Vel Total (ft/s)	0.84	Avg. Vel. (ft/s)		0.84	
Max Chl Dpth (ft)	0.13	Hydr. Depth (ft)		0.13	
Conv. Total (cfs)	15.2	Conv. (cfs)		15.2	
Length Wtd. (ft)	32.74	Wetted Per. (ft)		21.10	
Min Ch El (ft)	7121.00	Shear (lb/sq ft)		0.19	
Alpha	1.00	Stream Power (lb/ft s)		0.16	
Frctn Loss (ft)	0.47	Cum Volume (acre-ft)		0.49	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.88	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Errors Warnings and Notes (Continued)

	1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5373.75* Profile: Q002

E.G. Elev (ft)	7120.68	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.069	
W.S. Elev (ft)	7120.67	Reach Len. (ft)	32.51	32.74	32.51
Crit W.S. (ft)	7120.58	Flow Area (sq ft)		3.57	
E.G. Slope (ft/ft)	0.009794	Area (sq ft)		3.57	
Q Total (cfs)	2.30	Flow (cfs)		2.30	
Top Width (ft)	21.38	Top Width (ft)		21.38	
Vel Total (ft/s)	0.64	Avg. Vel. (ft/s)		0.64	
Max Chl Dpth (ft)	0.17	Hydr. Depth (ft)		0.17	
Conv. Total (cfs)	23.2	Conv. (cfs)		23.2	
Length Wtd. (ft)	32.74	Wetted Per. (ft)		21.42	
Min Ch EI (ft)	7120.50	Shear (lb/sq ft)		0.10	
Alpha	1.00	Stream Power (lb/ft s)		0.07	
Frctn Loss (ft)	0.55	Cum Volume (acre-ft)		0.49	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.86	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than
	1.4. This may indicate the need for additional cross sections.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5341 Profile: Q002

E.G. Elev (ft)	7120.13	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.069	
W.S. Elev (ft)	7120.12	Reach Len. (ft)	30.67	30.33	30.33
Crit W.S. (ft)		Flow Area (sq ft)		2.40	
E.G. Slope (ft/ft)	0.035696	Area (sq ft)		2.40	
Q Total (cfs)	2.30	Flow (cfs)		2.30	
Top Width (ft)	20.94	Top Width (ft)		20.94	
Vel Total (ft/s)	0.96	Avg. Vel. (ft/s)		0.96	
Max Chl Dpth (ft)	0.12	Hydr. Depth (ft)		0.11	
Conv. Total (cfs)	12.2	Conv. (cfs)		12.2	
Length Wtd. (ft)	30.33	Wetted Per. (ft)		20.97	
Min Ch EI (ft)	7120.00	Shear (lb/sq ft)		0.25	
Alpha	1.00	Stream Power (lb/ft s)		0.24	
Frctn Loss (ft)	0.85	Cum Volume (acre-ft)		0.49	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.85	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5310.67* Profile: Q002

E.G. Elev (ft)	7119.28	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.069	
W.S. Elev (ft)	7119.27	Reach Len. (ft)	30.67	30.33	30.33
Crit W.S. (ft)		Flow Area (sq ft)		2.77	
E.G. Slope (ft/ft)	0.022352	Area (sq ft)		2.77	
Q Total (cfs)	2.30	Flow (cfs)		2.30	
Top Width (ft)	21.08	Top Width (ft)		21.08	
Vel Total (ft/s)	0.83	Avg. Vel. (ft/s)		0.83	
Max Chl Dpth (ft)	0.13	Hydr. Depth (ft)		0.13	
Conv. Total (cfs)	15.4	Conv. (cfs)		15.4	
Length Wtd. (ft)	30.33	Wetted Per. (ft)		21.11	
Min Ch EI (ft)	7119.13	Shear (lb/sq ft)		0.18	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5310.67* Profile: Q002 (Continued)

Alpha	1.00	Stream Power (lb/ft s)		0.15	
Frctn Loss (ft)	0.87	Cum Volume (acre-ft)		0.49	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.83	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5280.33* Profile: Q002

E.G. Elev (ft)	7118.40	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.069	
W.S. Elev (ft)	7118.39	Reach Len. (ft)	30.67	30.33	30.33
Crit W.S. (ft)		Flow Area (sq ft)		2.36	
E.G. Slope (ft/ft)	0.037762	Area (sq ft)		2.36	
Q Total (cfs)	2.30	Flow (cfs)		2.30	
Top Width (ft)	20.92	Top Width (ft)		20.92	
Vel Total (ft/s)	0.98	Avg. Vel. (ft/s)		0.98	
Max Chl Dpth (ft)	0.12	Hydr. Depth (ft)		0.11	
Conv. Total (cfs)	11.8	Conv. (cfs)		11.8	
Length Wtd. (ft)	30.33	Wetted Per. (ft)		20.95	
Min Ch El (ft)	7118.27	Shear (lb/sq ft)		0.27	
Alpha	1.00	Stream Power (lb/ft s)		0.26	
Frctn Loss (ft)	0.85	Cum Volume (acre-ft)		0.49	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.82	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5250 Profile: Q002

E.G. Elev (ft)	7117.55	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.069	
W.S. Elev (ft)	7117.54	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)		Flow Area (sq ft)		2.79	
E.G. Slope (ft/ft)	0.021818	Area (sq ft)		2.79	
Q Total (cfs)	2.30	Flow (cfs)		2.30	
Top Width (ft)	21.09	Top Width (ft)		21.09	
Vel Total (ft/s)	0.82	Avg. Vel. (ft/s)		0.82	
Max Chl Dpth (ft)	0.14	Hydr. Depth (ft)		0.13	
Conv. Total (cfs)	15.6	Conv. (cfs)		15.6	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		21.12	
Min Ch El (ft)	7117.40	Shear (lb/sq ft)		0.18	
Alpha	1.00	Stream Power (lb/ft s)		0.15	
Frctn Loss (ft)	0.97	Cum Volume (acre-ft)		0.48	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.80	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5217.25* Profile: Q002

E.G. Elev (ft)	7116.58	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.069	
W.S. Elev (ft)	7116.56	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)		Flow Area (sq ft)		2.28	
E.G. Slope (ft/ft)	0.042383	Area (sq ft)		2.28	
Q Total (cfs)	2.30	Flow (cfs)		2.30	
Top Width (ft)	20.89	Top Width (ft)		20.89	
Vel Total (ft/s)	1.01	Avg. Vel. (ft/s)		1.01	
Max Chl Dpth (ft)	0.11	Hydr. Depth (ft)		0.11	
Conv. Total (cfs)	11.2	Conv. (cfs)		11.2	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		20.92	
Min Ch El (ft)	7116.45	Shear (lb/sq ft)		0.29	
Alpha	1.00	Stream Power (lb/ft s)		0.29	
Frctn Loss (ft)	0.94	Cum Volume (acre-ft)		0.48	0.00

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5217.25* Profile: Q002 (Continued)

C & E Loss (ft)	0.00	Cum SA (acres)		2.79	0.01
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Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5184.50* Profile: Q002

E.G. Elev (ft)	7115.65	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.069	
W.S. Elev (ft)	7115.64	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)		Flow Area (sq ft)		2.84	
E.G. Slope (ft/ft)	0.020553	Area (sq ft)		2.84	
Q Total (cfs)	2.30	Flow (cfs)		2.30	
Top Width (ft)	21.11	Top Width (ft)		21.11	
Vel Total (ft/s)	0.81	Avg. Vel. (ft/s)		0.81	
Max Chl Dpth (ft)	0.14	Hydr. Depth (ft)		0.13	
Conv. Total (cfs)	16.0	Conv. (cfs)		16.0	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		21.14	
Min Ch EI (ft)	7115.50	Shear (lb/sq ft)		0.17	
Alpha	1.00	Stream Power (lb/ft s)		0.14	
Frctn Loss (ft)	0.97	Cum Volume (acre-ft)		0.48	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.77	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5151.75* Profile: Q002

E.G. Elev (ft)	7114.68	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.069	
W.S. Elev (ft)	7114.66	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)		Flow Area (sq ft)		2.21	
E.G. Slope (ft/ft)	0.046341	Area (sq ft)		2.21	
Q Total (cfs)	2.30	Flow (cfs)		2.30	
Top Width (ft)	20.87	Top Width (ft)		20.87	
Vel Total (ft/s)	1.04	Avg. Vel. (ft/s)		1.04	
Max Chl Dpth (ft)	0.11	Hydr. Depth (ft)		0.11	
Conv. Total (cfs)	10.7	Conv. (cfs)		10.7	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		20.89	
Min Ch EI (ft)	7114.55	Shear (lb/sq ft)		0.31	
Alpha	1.00	Stream Power (lb/ft s)		0.32	
Frctn Loss (ft)	0.92	Cum Volume (acre-ft)		0.48	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.75	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5119.00* Profile: Q002

E.G. Elev (ft)	7113.75	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.069	
W.S. Elev (ft)	7113.74	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)		Flow Area (sq ft)		2.91	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5119.00* Profile: Q002 (Continued)

E.G. Slope (ft/ft)	0.018937	Area (sq ft)		2.91	
Q Total (cfs)	2.30	Flow (cfs)		2.30	
Top Width (ft)	21.13	Top Width (ft)		21.13	
Vel Total (ft/s)	0.79	Avg. Vel. (ft/s)		0.79	
Max Chl Dpth (ft)	0.14	Hydr. Depth (ft)		0.14	
Conv. Total (cfs)	16.7	Conv. (cfs)		16.7	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		21.17	
Min Ch El (ft)	7113.60	Shear (lb/sq ft)		0.16	
Alpha	1.00	Stream Power (lb/ft s)		0.13	
Frctn Loss (ft)	0.97	Cum Volume (acre-ft)		0.48	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.74	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5086.25* Profile: Q002

E.G. Elev (ft)	7112.77	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.069	
W.S. Elev (ft)	7112.75	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)		Flow Area (sq ft)		2.12	
E.G. Slope (ft/ft)	0.053225	Area (sq ft)		2.12	
Q Total (cfs)	2.30	Flow (cfs)		2.30	
Top Width (ft)	20.83	Top Width (ft)		20.83	
Vel Total (ft/s)	1.08	Avg. Vel. (ft/s)		1.08	
Max Chl Dpth (ft)	0.10	Hydr. Depth (ft)		0.10	
Conv. Total (cfs)	10.0	Conv. (cfs)		10.0	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		20.86	
Min Ch El (ft)	7112.65	Shear (lb/sq ft)		0.34	
Alpha	1.00	Stream Power (lb/ft s)		0.37	
Frctn Loss (ft)	0.92	Cum Volume (acre-ft)		0.48	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.72	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5053.50* Profile: Q002

E.G. Elev (ft)	7111.86	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.069	
W.S. Elev (ft)	7111.85	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)		Flow Area (sq ft)		2.99	
E.G. Slope (ft/ft)	0.017286	Area (sq ft)		2.99	
Q Total (cfs)	2.30	Flow (cfs)		2.30	
Top Width (ft)	21.16	Top Width (ft)		21.16	
Vel Total (ft/s)	0.77	Avg. Vel. (ft/s)		0.77	
Max Chl Dpth (ft)	0.15	Hydr. Depth (ft)		0.14	
Conv. Total (cfs)	17.5	Conv. (cfs)		17.5	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		21.20	
Min Ch El (ft)	7111.70	Shear (lb/sq ft)		0.15	
Alpha	1.00	Stream Power (lb/ft s)		0.12	
Frctn Loss (ft)	0.98	Cum Volume (acre-ft)		0.47	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.71	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Errors Warnings and Notes (Continued)

	1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5020.75* Profile: Q002

E.G. Elev (ft)	7110.87	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.069	
W.S. Elev (ft)	7110.85	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)		Flow Area (sq ft)		2.01	
E.G. Slope (ft/ft)	0.063558	Area (sq ft)		2.01	
Q Total (cfs)	2.30	Flow (cfs)		2.30	
Top Width (ft)	20.79	Top Width (ft)		20.79	
Vel Total (ft/s)	1.14	Avg. Vel. (ft/s)		1.14	
Max Chl Dpth (ft)	0.10	Hydr. Depth (ft)		0.10	
Conv. Total (cfs)	9.1	Conv. (cfs)		9.1	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		20.81	
Min Ch EI (ft)	7110.75	Shear (lb/sq ft)		0.38	
Alpha	1.00	Stream Power (lb/ft s)		0.44	
Frctn Loss (ft)	0.91	Cum Volume (acre-ft)		0.47	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.69	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than
	1.4. This may indicate the need for additional cross sections.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4988.00* Profile: Q002

E.G. Elev (ft)	7109.96	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.069	
W.S. Elev (ft)	7109.95	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)		Flow Area (sq ft)		3.10	
E.G. Slope (ft/ft)	0.015475	Area (sq ft)		3.10	
Q Total (cfs)	2.30	Flow (cfs)		2.30	
Top Width (ft)	21.20	Top Width (ft)		21.20	
Vel Total (ft/s)	0.74	Avg. Vel. (ft/s)		0.74	
Max Chl Dpth (ft)	0.15	Hydr. Depth (ft)		0.15	
Conv. Total (cfs)	18.5	Conv. (cfs)		18.5	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		21.24	
Min Ch EI (ft)	7109.80	Shear (lb/sq ft)		0.14	
Alpha	1.00	Stream Power (lb/ft s)		0.10	
Frctn Loss (ft)	0.99	Cum Volume (acre-ft)		0.47	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.68	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than
	1.4. This may indicate the need for additional cross sections.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4955.25* Profile: Q002

E.G. Elev (ft)	7108.97	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.069	
W.S. Elev (ft)	7108.94	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)		Flow Area (sq ft)		1.86	
E.G. Slope (ft/ft)	0.082193	Area (sq ft)		1.86	
Q Total (cfs)	2.30	Flow (cfs)		2.30	
Top Width (ft)	20.74	Top Width (ft)		20.74	
Vel Total (ft/s)	1.24	Avg. Vel. (ft/s)		1.24	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4955.25* Profile: Q002 (Continued)

Max Chl Dpth (ft)	0.09	Hydr. Depth (ft)		0.09	
Conv. Total (cfs)	8.0	Conv. (cfs)		8.0	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		20.76	
Min Ch El (ft)	7108.85	Shear (lb/sq ft)		0.46	
Alpha	1.00	Stream Power (lb/ft s)		0.57	
Frctn Loss (ft)	0.89	Cum Volume (acre-ft)		0.47	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.66	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4922.50* Profile: Q002

E.G. Elev (ft)	7108.07	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.069	
W.S. Elev (ft)	7108.06	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)		Flow Area (sq ft)		3.24	
E.G. Slope (ft/ft)	0.013332	Area (sq ft)		3.24	
Q Total (cfs)	2.30	Flow (cfs)		2.30	
Top Width (ft)	21.26	Top Width (ft)		21.26	
Vel Total (ft/s)	0.71	Avg. Vel. (ft/s)		0.71	
Max Chl Dpth (ft)	0.16	Hydr. Depth (ft)		0.15	
Conv. Total (cfs)	19.9	Conv. (cfs)		19.9	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		21.30	
Min Ch El (ft)	7107.90	Shear (lb/sq ft)		0.13	
Alpha	1.00	Stream Power (lb/ft s)		0.09	
Frctn Loss (ft)	1.00	Cum Volume (acre-ft)		0.47	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.64	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4889.75* Profile: Q002

E.G. Elev (ft)	7107.06	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.069	
W.S. Elev (ft)	7107.03	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)	7107.03	Flow Area (sq ft)		1.63	
E.G. Slope (ft/ft)	0.127604	Area (sq ft)		1.63	
Q Total (cfs)	2.30	Flow (cfs)		2.30	
Top Width (ft)	20.64	Top Width (ft)		20.64	
Vel Total (ft/s)	1.41	Avg. Vel. (ft/s)		1.41	
Max Chl Dpth (ft)	0.08	Hydr. Depth (ft)		0.08	
Conv. Total (cfs)	6.4	Conv. (cfs)		6.4	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		20.66	
Min Ch El (ft)	7106.95	Shear (lb/sq ft)		0.63	
Alpha	1.00	Stream Power (lb/ft s)		0.89	
Frctn Loss (ft)	0.81	Cum Volume (acre-ft)		0.46	0.00
C & E Loss (ft)	0.01	Cum SA (acres)		2.63	0.01

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program used critical
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Errors Warnings and Notes (Continued)

	depth for the water surface and continued on with the calculations.
Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Warning:	During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4857 Profile: Q002

E.G. Elev (ft)	7106.18	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.069	
W.S. Elev (ft)	7106.17	Reach Len. (ft)	35.20	35.00	35.00
Crit W.S. (ft)	7106.08	Flow Area (sq ft)		3.52	
E.G. Slope (ft/ft)	0.010176	Area (sq ft)		3.52	
Q Total (cfs)	2.30	Flow (cfs)		2.30	
Top Width (ft)	21.36	Top Width (ft)		21.36	
Vel Total (ft/s)	0.65	Avg. Vel. (ft/s)		0.65	
Max Chl Dpth (ft)	0.17	Hydr. Depth (ft)		0.16	
Conv. Total (cfs)	22.8	Conv. (cfs)		22.8	
Length Wtd. (ft)	35.00	Wetted Per. (ft)		21.41	
Min Ch El (ft)	7106.00	Shear (lb/sq ft)		0.10	
Alpha	1.00	Stream Power (lb/ft s)		0.07	
Frctn Loss (ft)	0.42	Cum Volume (acre-ft)		0.46	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.61	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4822.00* Profile: Q002

E.G. Elev (ft)	7105.76	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.069	
W.S. Elev (ft)	7105.75	Reach Len. (ft)	35.20	35.00	35.00
Crit W.S. (ft)		Flow Area (sq ft)		3.15	
E.G. Slope (ft/ft)	0.014662	Area (sq ft)		3.15	
Q Total (cfs)	2.30	Flow (cfs)		2.30	
Top Width (ft)	21.22	Top Width (ft)		21.22	
Vel Total (ft/s)	0.73	Avg. Vel. (ft/s)		0.73	
Max Chl Dpth (ft)	0.15	Hydr. Depth (ft)		0.15	
Conv. Total (cfs)	19.0	Conv. (cfs)		19.0	
Length Wtd. (ft)	35.00	Wetted Per. (ft)		21.26	
Min Ch El (ft)	7105.60	Shear (lb/sq ft)		0.14	
Alpha	1.00	Stream Power (lb/ft s)		0.10	
Frctn Loss (ft)	0.38	Cum Volume (acre-ft)		0.46	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.60	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4787.00* Profile: Q002

E.G. Elev (ft)	7105.39	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.069	
W.S. Elev (ft)	7105.38	Reach Len. (ft)	35.20	35.00	35.00
Crit W.S. (ft)		Flow Area (sq ft)		3.75	
E.G. Slope (ft/ft)	0.008289	Area (sq ft)		3.75	
Q Total (cfs)	2.30	Flow (cfs)		2.30	
Top Width (ft)	21.45	Top Width (ft)		21.45	
Vel Total (ft/s)	0.61	Avg. Vel. (ft/s)		0.61	
Max Chl Dpth (ft)	0.18	Hydr. Depth (ft)		0.18	
Conv. Total (cfs)	25.3	Conv. (cfs)		25.3	
Length Wtd. (ft)	35.00	Wetted Per. (ft)		21.49	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4787.00* Profile: Q002 (Continued)

Min Ch El (ft)	7105.20	Shear (lb/sq ft)		0.09	
Alpha	1.00	Stream Power (lb/ft s)		0.06	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		0.46	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.58	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4752.00* Profile: Q002

E.G. Elev (ft)	7104.95	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.069	
W.S. Elev (ft)	7104.94	Reach Len. (ft)	35.20	35.00	35.00
Crit W.S. (ft)		Flow Area (sq ft)		2.87	
E.G. Slope (ft/ft)	0.019839	Area (sq ft)		2.87	
Q Total (cfs)	2.30	Flow (cfs)		2.30	
Top Width (ft)	21.12	Top Width (ft)		21.12	
Vel Total (ft/s)	0.80	Avg. Vel. (ft/s)		0.80	
Max Chl Dpth (ft)	0.14	Hydr. Depth (ft)		0.14	
Conv. Total (cfs)	16.3	Conv. (cfs)		16.3	
Length Wtd. (ft)	35.00	Wetted Per. (ft)		21.15	
Min Ch El (ft)	7104.80	Shear (lb/sq ft)		0.17	
Alpha	1.00	Stream Power (lb/ft s)		0.13	
Frctn Loss (ft)	0.34	Cum Volume (acre-ft)		0.45	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.56	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4717.00* Profile: Q002

E.G. Elev (ft)	7104.61	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.		0.069	
W.S. Elev (ft)	7104.60	Reach Len. (ft)	35.20	35.00	35.00
Crit W.S. (ft)	7104.46	Flow Area (sq ft)		4.17	
E.G. Slope (ft/ft)	0.005877	Area (sq ft)		4.17	
Q Total (cfs)	2.30	Flow (cfs)		2.30	
Top Width (ft)	21.61	Top Width (ft)		21.61	
Vel Total (ft/s)	0.55	Avg. Vel. (ft/s)		0.55	
Max Chl Dpth (ft)	0.20	Hydr. Depth (ft)		0.19	
Conv. Total (cfs)	30.0	Conv. (cfs)		30.0	
Length Wtd. (ft)	35.00	Wetted Per. (ft)		21.65	
Min Ch El (ft)	7104.40	Shear (lb/sq ft)		0.07	
Alpha	1.00	Stream Power (lb/ft s)		0.04	
Frctn Loss (ft)	0.49	Cum Volume (acre-ft)		0.45	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.54	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4682 Profile: Q002

E.G. Elev (ft)	7104.12	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.069	
W.S. Elev (ft)	7104.10	Reach Len. (ft)	28.50	28.50	28.50
Crit W.S. (ft)		Flow Area (sq ft)		1.96	
E.G. Slope (ft/ft)	0.069117	Area (sq ft)		1.96	
Q Total (cfs)	2.30	Flow (cfs)		2.30	
Top Width (ft)	20.77	Top Width (ft)		20.77	
Vel Total (ft/s)	1.17	Avg. Vel. (ft/s)		1.17	
Max Chl Dpth (ft)	0.10	Hydr. Depth (ft)		0.09	
Conv. Total (cfs)	8.7	Conv. (cfs)		8.7	
Length Wtd. (ft)	28.50	Wetted Per. (ft)		20.79	
Min Ch EI (ft)	7104.00	Shear (lb/sq ft)		0.41	
Alpha	1.00	Stream Power (lb/ft s)		0.48	
Frctn Loss (ft)	0.94	Cum Volume (acre-ft)		0.45	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.53	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4653.50* Profile: Q002

E.G. Elev (ft)	7103.18	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.069	
W.S. Elev (ft)	7103.17	Reach Len. (ft)	28.50	28.50	28.50
Crit W.S. (ft)		Flow Area (sq ft)		2.62	
E.G. Slope (ft/ft)	0.019221	Area (sq ft)		2.62	
Q Total (cfs)	2.30	Flow (cfs)		2.30	
Top Width (ft)	16.34	Top Width (ft)		16.34	
Vel Total (ft/s)	0.88	Avg. Vel. (ft/s)		0.88	
Max Chl Dpth (ft)	0.17	Hydr. Depth (ft)		0.16	
Conv. Total (cfs)	16.6	Conv. (cfs)		16.6	
Length Wtd. (ft)	28.50	Wetted Per. (ft)		16.38	
Min Ch EI (ft)	7103.00	Shear (lb/sq ft)		0.19	
Alpha	1.00	Stream Power (lb/ft s)		0.17	
Frctn Loss (ft)	0.92	Cum Volume (acre-ft)		0.45	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.52	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4625 Profile: Q002

E.G. Elev (ft)	7102.26	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.069	
W.S. Elev (ft)	7102.22	Reach Len. (ft)	24.67	25.00	24.33
Crit W.S. (ft)		Flow Area (sq ft)		2.36	
E.G. Slope (ft/ft)	0.048005	Area (sq ft)		2.36	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	11.73	Top Width (ft)		11.73	
Vel Total (ft/s)	1.61	Avg. Vel. (ft/s)		1.61	
Max Chl Dpth (ft)	0.22	Hydr. Depth (ft)		0.20	
Conv. Total (cfs)	17.3	Conv. (cfs)		17.3	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		11.79	
Min Ch EI (ft)	7102.00	Shear (lb/sq ft)		0.60	
Alpha	1.00	Stream Power (lb/ft s)		0.97	
Frctn Loss (ft)	0.75	Cum Volume (acre-ft)		0.45	0.00
C & E Loss (ft)	0.01	Cum SA (acres)		2.51	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Errors Warnings and Notes (Continued)

	1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4600.00* Profile: Q002

E.G. Elev (ft)	7101.50	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.069	
W.S. Elev (ft)	7101.48	Reach Len. (ft)	24.67	25.00	24.33
Crit W.S. (ft)		Flow Area (sq ft)		3.09	
E.G. Slope (ft/ft)	0.020617	Area (sq ft)		3.09	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	12.22	Top Width (ft)		12.22	
Vel Total (ft/s)	1.23	Avg. Vel. (ft/s)		1.23	
Max Chl Dpth (ft)	0.28	Hydr. Depth (ft)		0.25	
Conv. Total (cfs)	26.5	Conv. (cfs)		26.5	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		12.29	
Min Ch EI (ft)	7101.20	Shear (lb/sq ft)		0.32	
Alpha	1.00	Stream Power (lb/ft s)		0.40	
Frctn Loss (ft)	0.84	Cum Volume (acre-ft)		0.44	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.50	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than
	1.4. This may indicate the need for additional cross sections.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4575.00* Profile: Q002

E.G. Elev (ft)	7100.65	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.069	
W.S. Elev (ft)	7100.60	Reach Len. (ft)	24.67	25.00	24.33
Crit W.S. (ft)		Flow Area (sq ft)		2.14	
E.G. Slope (ft/ft)	0.065037	Area (sq ft)		2.14	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	11.59	Top Width (ft)		11.59	
Vel Total (ft/s)	1.78	Avg. Vel. (ft/s)		1.78	
Max Chl Dpth (ft)	0.20	Hydr. Depth (ft)		0.18	
Conv. Total (cfs)	14.9	Conv. (cfs)		14.9	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		11.63	
Min Ch EI (ft)	7100.40	Shear (lb/sq ft)		0.75	
Alpha	1.00	Stream Power (lb/ft s)		1.33	
Frctn Loss (ft)	0.72	Cum Volume (acre-ft)		0.44	0.00
C & E Loss (ft)	0.01	Cum SA (acres)		2.49	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than
	1.4. This may indicate the need for additional cross sections.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4550 Profile: Q002

E.G. Elev (ft)	7099.92	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.069	
W.S. Elev (ft)	7099.90	Reach Len. (ft)	33.50	25.00	18.00
Crit W.S. (ft)		Flow Area (sq ft)		3.34	
E.G. Slope (ft/ft)	0.016159	Area (sq ft)		3.34	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	12.39	Top Width (ft)		12.39	
Vel Total (ft/s)	1.14	Avg. Vel. (ft/s)		1.14	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4550 Profile: Q002 (Continued)

Max Chl Dpth (ft)	0.30	Hydr. Depth (ft)		0.27	
Conv. Total (cfs)	29.9	Conv. (cfs)		29.9	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		12.46	
Min Ch El (ft)	7099.60	Shear (lb/sq ft)		0.27	
Alpha	1.00	Stream Power (lb/ft s)		0.31	
Frctn Loss (ft)	0.71	Cum Volume (acre-ft)		0.44	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.49	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4525.00* Profile: Q002

E.G. Elev (ft)	7099.20	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.069	
W.S. Elev (ft)	7099.15	Reach Len. (ft)	33.50	25.00	18.00
Crit W.S. (ft)		Flow Area (sq ft)		2.16	
E.G. Slope (ft/ft)	0.062910	Area (sq ft)		2.16	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	11.60	Top Width (ft)		11.60	
Vel Total (ft/s)	1.76	Avg. Vel. (ft/s)		1.76	
Max Chl Dpth (ft)	0.20	Hydr. Depth (ft)		0.19	
Conv. Total (cfs)	15.2	Conv. (cfs)		15.2	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		11.65	
Min Ch El (ft)	7098.95	Shear (lb/sq ft)		0.73	
Alpha	1.00	Stream Power (lb/ft s)		1.28	
Frctn Loss (ft)	0.54	Cum Volume (acre-ft)		0.44	0.00
C & E Loss (ft)	0.01	Cum SA (acres)		2.48	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4500 Profile: Q002

E.G. Elev (ft)	7098.65	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.069	
W.S. Elev (ft)	7098.63	Reach Len. (ft)	28.00	28.00	28.00
Crit W.S. (ft)		Flow Area (sq ft)		3.79	
E.G. Slope (ft/ft)	0.010915	Area (sq ft)		3.79	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	12.68	Top Width (ft)		12.68	
Vel Total (ft/s)	1.00	Avg. Vel. (ft/s)		1.00	
Max Chl Dpth (ft)	0.33	Hydr. Depth (ft)		0.30	
Conv. Total (cfs)	36.4	Conv. (cfs)		36.4	
Length Wtd. (ft)	28.00	Wetted Per. (ft)		12.76	
Min Ch El (ft)	7098.30	Shear (lb/sq ft)		0.20	
Alpha	1.00	Stream Power (lb/ft s)		0.20	
Frctn Loss (ft)	0.30	Cum Volume (acre-ft)		0.44	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.47	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4472.00* Profile: Q002

E.G. Elev (ft)	7098.36	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.069	
W.S. Elev (ft)	7098.34	Reach Len. (ft)	28.00	28.00	28.00
Crit W.S. (ft)		Flow Area (sq ft)		3.87	
E.G. Slope (ft/ft)	0.010282	Area (sq ft)		3.87	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	12.72	Top Width (ft)		12.72	
Vel Total (ft/s)	0.98	Avg. Vel. (ft/s)		0.98	
Max Chl Dpth (ft)	0.34	Hydr. Depth (ft)		0.30	
Conv. Total (cfs)	37.5	Conv. (cfs)		37.5	
Length Wtd. (ft)	28.00	Wetted Per. (ft)		12.81	
Min Ch El (ft)	7098.00	Shear (lb/sq ft)		0.19	
Alpha	1.00	Stream Power (lb/ft s)		0.19	
Frctn Loss (ft)	0.30	Cum Volume (acre-ft)		0.44	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.46	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4444.00* Profile: Q002

E.G. Elev (ft)	7098.05	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.069	
W.S. Elev (ft)	7098.03	Reach Len. (ft)	28.00	28.00	28.00
Crit W.S. (ft)		Flow Area (sq ft)		3.76	
E.G. Slope (ft/ft)	0.011250	Area (sq ft)		3.76	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	12.65	Top Width (ft)		12.65	
Vel Total (ft/s)	1.01	Avg. Vel. (ft/s)		1.01	
Max Chl Dpth (ft)	0.33	Hydr. Depth (ft)		0.30	
Conv. Total (cfs)	35.8	Conv. (cfs)		35.8	
Length Wtd. (ft)	28.00	Wetted Per. (ft)		12.73	
Min Ch El (ft)	7097.70	Shear (lb/sq ft)		0.21	
Alpha	1.00	Stream Power (lb/ft s)		0.21	
Frctn Loss (ft)	0.30	Cum Volume (acre-ft)		0.43	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.46	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4416.00* Profile: Q002

E.G. Elev (ft)	7097.75	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.069	
W.S. Elev (ft)	7097.74	Reach Len. (ft)	28.00	28.00	28.00
Crit W.S. (ft)		Flow Area (sq ft)		3.84	
E.G. Slope (ft/ft)	0.010488	Area (sq ft)		3.84	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	12.71	Top Width (ft)		12.71	
Vel Total (ft/s)	0.99	Avg. Vel. (ft/s)		0.99	
Max Chl Dpth (ft)	0.34	Hydr. Depth (ft)		0.30	
Conv. Total (cfs)	37.1	Conv. (cfs)		37.1	
Length Wtd. (ft)	28.00	Wetted Per. (ft)		12.79	
Min Ch El (ft)	7097.40	Shear (lb/sq ft)		0.20	
Alpha	1.00	Stream Power (lb/ft s)		0.19	
Frctn Loss (ft)	0.30	Cum Volume (acre-ft)		0.43	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.45	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4388.00* Profile: Q002

E.G. Elev (ft)	7097.45	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.069	
W.S. Elev (ft)	7097.44	Reach Len. (ft)	28.00	28.00	28.00
Crit W.S. (ft)		Flow Area (sq ft)		3.80	
E.G. Slope (ft/ft)	0.010806	Area (sq ft)		3.80	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	12.68	Top Width (ft)		12.68	
Vel Total (ft/s)	1.00	Avg. Vel. (ft/s)		1.00	
Max Chl Dpth (ft)	0.34	Hydr. Depth (ft)		0.30	
Conv. Total (cfs)	36.6	Conv. (cfs)		36.6	
Length Wtd. (ft)	28.00	Wetted Per. (ft)		12.77	
Min Ch El (ft)	7097.10	Shear (lb/sq ft)		0.20	
Alpha	1.00	Stream Power (lb/ft s)		0.20	
Frctn Loss (ft)	0.30	Cum Volume (acre-ft)		0.43	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.44	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4360.00* Profile: Q002

E.G. Elev (ft)	7097.15	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.069	
W.S. Elev (ft)	7097.14	Reach Len. (ft)	28.00	28.00	28.00
Crit W.S. (ft)		Flow Area (sq ft)		3.84	
E.G. Slope (ft/ft)	0.010540	Area (sq ft)		3.84	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	12.70	Top Width (ft)		12.70	
Vel Total (ft/s)	0.99	Avg. Vel. (ft/s)		0.99	
Max Chl Dpth (ft)	0.34	Hydr. Depth (ft)		0.30	
Conv. Total (cfs)	37.0	Conv. (cfs)		37.0	
Length Wtd. (ft)	28.00	Wetted Per. (ft)		12.79	
Min Ch El (ft)	7096.80	Shear (lb/sq ft)		0.20	
Alpha	1.00	Stream Power (lb/ft s)		0.20	
Frctn Loss (ft)	0.31	Cum Volume (acre-ft)		0.43	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.43	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4332.00* Profile: Q002

E.G. Elev (ft)	7096.85	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.069	
W.S. Elev (ft)	7096.83	Reach Len. (ft)	28.00	28.00	28.00
Crit W.S. (ft)		Flow Area (sq ft)		3.74	
E.G. Slope (ft/ft)	0.011423	Area (sq ft)		3.74	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	12.64	Top Width (ft)		12.64	
Vel Total (ft/s)	1.02	Avg. Vel. (ft/s)		1.02	
Max Chl Dpth (ft)	0.33	Hydr. Depth (ft)		0.30	
Conv. Total (cfs)	35.6	Conv. (cfs)		35.6	
Length Wtd. (ft)	28.00	Wetted Per. (ft)		12.72	
Min Ch El (ft)	7096.50	Shear (lb/sq ft)		0.21	
Alpha	1.00	Stream Power (lb/ft s)		0.21	
Frctn Loss (ft)	0.29	Cum Volume (acre-ft)		0.42	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.42	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4304.00* Profile: Q002

E.G. Elev (ft)	7096.56	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.069	
W.S. Elev (ft)	7096.55	Reach Len. (ft)	28.00	28.00	28.00
Crit W.S. (ft)		Flow Area (sq ft)		3.99	
E.G. Slope (ft/ft)	0.009328	Area (sq ft)		3.99	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	12.80	Top Width (ft)		12.80	
Vel Total (ft/s)	0.95	Avg. Vel. (ft/s)		0.95	
Max Chl Dpth (ft)	0.35	Hydr. Depth (ft)		0.31	
Conv. Total (cfs)	39.3	Conv. (cfs)		39.3	
Length Wtd. (ft)	28.00	Wetted Per. (ft)		12.89	
Min Ch El (ft)	7096.20	Shear (lb/sq ft)		0.18	
Alpha	1.00	Stream Power (lb/ft s)		0.17	
Frctn Loss (ft)	0.33	Cum Volume (acre-ft)		0.42	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.41	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4276 Profile: Q002

E.G. Elev (ft)	7096.24	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.078	
W.S. Elev (ft)	7096.22	Reach Len. (ft)	25.00	25.20	25.00
Crit W.S. (ft)		Flow Area (sq ft)		3.64	
E.G. Slope (ft/ft)	0.015766	Area (sq ft)		3.64	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	12.58	Top Width (ft)		12.58	
Vel Total (ft/s)	1.04	Avg. Vel. (ft/s)		1.04	
Max Chl Dpth (ft)	0.32	Hydr. Depth (ft)		0.29	
Conv. Total (cfs)	30.3	Conv. (cfs)		30.3	
Length Wtd. (ft)	25.20	Wetted Per. (ft)		12.66	
Min Ch El (ft)	7095.90	Shear (lb/sq ft)		0.28	
Alpha	1.00	Stream Power (lb/ft s)		0.30	
Frctn Loss (ft)	0.40	Cum Volume (acre-ft)		0.42	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.41	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4250.80* Profile: Q002

E.G. Elev (ft)	7095.85	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.078	
W.S. Elev (ft)	7095.83	Reach Len. (ft)	25.00	25.20	25.00
Crit W.S. (ft)		Flow Area (sq ft)		3.82	
E.G. Slope (ft/ft)	0.016027	Area (sq ft)		3.82	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	14.32	Top Width (ft)		14.32	
Vel Total (ft/s)	1.00	Avg. Vel. (ft/s)		1.00	
Max Chl Dpth (ft)	0.29	Hydr. Depth (ft)		0.27	
Conv. Total (cfs)	30.0	Conv. (cfs)		30.0	
Length Wtd. (ft)	25.20	Wetted Per. (ft)		14.39	
Min Ch El (ft)	7095.54	Shear (lb/sq ft)		0.27	
Alpha	1.00	Stream Power (lb/ft s)		0.26	
Frctn Loss (ft)	0.37	Cum Volume (acre-ft)		0.42	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.40	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4225.60* Profile: Q002

E.G. Elev (ft)	7095.47	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.078	
W.S. Elev (ft)	7095.46	Reach Len. (ft)	25.00	25.20	25.00
Crit W.S. (ft)		Flow Area (sq ft)		4.21	
E.G. Slope (ft/ft)	0.013682	Area (sq ft)		4.21	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	16.23	Top Width (ft)		16.23	
Vel Total (ft/s)	0.90	Avg. Vel. (ft/s)		0.90	
Max Chl Dpth (ft)	0.28	Hydr. Depth (ft)		0.26	
Conv. Total (cfs)	32.5	Conv. (cfs)		32.5	
Length Wtd. (ft)	25.20	Wetted Per. (ft)		16.30	
Min Ch El (ft)	7095.18	Shear (lb/sq ft)		0.22	
Alpha	1.00	Stream Power (lb/ft s)		0.20	
Frctn Loss (ft)	0.41	Cum Volume (acre-ft)		0.41	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.39	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4200.40* Profile: Q002

E.G. Elev (ft)	7095.06	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.078	
W.S. Elev (ft)	7095.05	Reach Len. (ft)	25.00	25.20	25.00
Crit W.S. (ft)		Flow Area (sq ft)		3.89	
E.G. Slope (ft/ft)	0.020098	Area (sq ft)		3.89	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	17.84	Top Width (ft)		17.84	
Vel Total (ft/s)	0.98	Avg. Vel. (ft/s)		0.98	
Max Chl Dpth (ft)	0.23	Hydr. Depth (ft)		0.22	
Conv. Total (cfs)	26.8	Conv. (cfs)		26.8	
Length Wtd. (ft)	25.20	Wetted Per. (ft)		17.90	
Min Ch El (ft)	7094.82	Shear (lb/sq ft)		0.27	
Alpha	1.00	Stream Power (lb/ft s)		0.27	
Frctn Loss (ft)	0.32	Cum Volume (acre-ft)		0.41	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.38	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4175.20* Profile: Q002

E.G. Elev (ft)	7094.74	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.078	
W.S. Elev (ft)	7094.74	Reach Len. (ft)	25.00	25.20	25.00
Crit W.S. (ft)		Flow Area (sq ft)		5.26	
E.G. Slope (ft/ft)	0.008687	Area (sq ft)		5.26	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	20.20	Top Width (ft)		20.20	
Vel Total (ft/s)	0.72	Avg. Vel. (ft/s)		0.72	
Max Chl Dpth (ft)	0.28	Hydr. Depth (ft)		0.26	
Conv. Total (cfs)	40.8	Conv. (cfs)		40.8	
Length Wtd. (ft)	25.20	Wetted Per. (ft)		20.27	
Min Ch El (ft)	7094.46	Shear (lb/sq ft)		0.14	
Alpha	1.00	Stream Power (lb/ft s)		0.10	
Frctn Loss (ft)	0.46	Cum Volume (acre-ft)		0.41	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.37	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Errors Warnings and Notes (Continued)

1.4. This may indicate the need for additional cross sections.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4150 Profile: Q002

E.G. Elev (ft)	7094.27	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.078	
W.S. Elev (ft)	7094.24	Reach Len. (ft)	13.33	13.33	11.17
Crit W.S. (ft)		Flow Area (sq ft)		2.96	
E.G. Slope (ft/ft)	0.062377	Area (sq ft)		2.96	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	21.15	Top Width (ft)		21.15	
Vel Total (ft/s)	1.28	Avg. Vel. (ft/s)		1.28	
Max Chl Dpth (ft)	0.14	Hydr. Depth (ft)		0.14	
Conv. Total (cfs)	15.2	Conv. (cfs)		15.2	
Length Wtd. (ft)	13.33	Wetted Per. (ft)		21.19	
Min Ch EI (ft)	7094.10	Shear (lb/sq ft)		0.54	
Alpha	1.00	Stream Power (lb/ft s)		0.70	
Frctn Loss (ft)	0.79	Cum Volume (acre-ft)		0.41	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.36	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4136.67* Profile: Q002

E.G. Elev (ft)	7093.47	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.078	
W.S. Elev (ft)	7093.45	Reach Len. (ft)	13.33	13.33	11.17
Crit W.S. (ft)		Flow Area (sq ft)		3.06	
E.G. Slope (ft/ft)	0.056861	Area (sq ft)		3.06	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	21.33	Top Width (ft)		21.33	
Vel Total (ft/s)	1.24	Avg. Vel. (ft/s)		1.24	
Max Chl Dpth (ft)	0.15	Hydr. Depth (ft)		0.14	
Conv. Total (cfs)	15.9	Conv. (cfs)		15.9	
Length Wtd. (ft)	13.33	Wetted Per. (ft)		21.36	
Min Ch EI (ft)	7093.30	Shear (lb/sq ft)		0.51	
Alpha	1.00	Stream Power (lb/ft s)		0.63	
Frctn Loss (ft)	0.80	Cum Volume (acre-ft)		0.41	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.35	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4123.33* Profile: Q002

E.G. Elev (ft)	7092.67	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.078	
W.S. Elev (ft)	7092.64	Reach Len. (ft)	13.33	13.33	11.17
Crit W.S. (ft)		Flow Area (sq ft)		2.95	
E.G. Slope (ft/ft)	0.064170	Area (sq ft)		2.95	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	21.45	Top Width (ft)		21.45	
Vel Total (ft/s)	1.29	Avg. Vel. (ft/s)		1.29	
Max Chl Dpth (ft)	0.14	Hydr. Depth (ft)		0.14	
Conv. Total (cfs)	15.0	Conv. (cfs)		15.0	
Length Wtd. (ft)	13.33	Wetted Per. (ft)		21.48	
Min Ch EI (ft)	7092.50	Shear (lb/sq ft)		0.55	
Alpha	1.00	Stream Power (lb/ft s)		0.71	
Frctn Loss (ft)	0.80	Cum Volume (acre-ft)		0.40	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.34	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4110.00* Profile: Q002

E.G. Elev (ft)	7091.87	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.078	
W.S. Elev (ft)	7091.85	Reach Len. (ft)	13.33	13.33	11.17
Crit W.S. (ft)		Flow Area (sq ft)		3.09	
E.G. Slope (ft/ft)	0.055851	Area (sq ft)		3.09	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	21.69	Top Width (ft)		21.69	
Vel Total (ft/s)	1.23	Avg. Vel. (ft/s)		1.23	
Max Chl Dpth (ft)	0.15	Hydr. Depth (ft)		0.14	
Conv. Total (cfs)	16.1	Conv. (cfs)		16.1	
Length Wtd. (ft)	13.33	Wetted Per. (ft)		21.72	
Min Ch El (ft)	7091.70	Shear (lb/sq ft)		0.50	
Alpha	1.00	Stream Power (lb/ft s)		0.61	
Frctn Loss (ft)	0.80	Cum Volume (acre-ft)		0.40	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.34	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4096.67* Profile: Q002

E.G. Elev (ft)	7091.07	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.078	
W.S. Elev (ft)	7091.04	Reach Len. (ft)	13.33	13.33	11.17
Crit W.S. (ft)		Flow Area (sq ft)		2.96	
E.G. Slope (ft/ft)	0.065196	Area (sq ft)		2.96	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	21.82	Top Width (ft)		21.82	
Vel Total (ft/s)	1.28	Avg. Vel. (ft/s)		1.28	
Max Chl Dpth (ft)	0.14	Hydr. Depth (ft)		0.14	
Conv. Total (cfs)	14.9	Conv. (cfs)		14.9	
Length Wtd. (ft)	13.33	Wetted Per. (ft)		21.84	
Min Ch El (ft)	7090.90	Shear (lb/sq ft)		0.55	
Alpha	1.00	Stream Power (lb/ft s)		0.71	
Frctn Loss (ft)	0.80	Cum Volume (acre-ft)		0.40	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.33	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4083.33* Profile: Q002

E.G. Elev (ft)	7090.27	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.078	
W.S. Elev (ft)	7090.25	Reach Len. (ft)	13.33	13.33	11.17
Crit W.S. (ft)		Flow Area (sq ft)		3.12	
E.G. Slope (ft/ft)	0.055985	Area (sq ft)		3.12	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	22.14	Top Width (ft)		22.14	
Vel Total (ft/s)	1.22	Avg. Vel. (ft/s)		1.22	
Max Chl Dpth (ft)	0.15	Hydr. Depth (ft)		0.14	
Conv. Total (cfs)	16.1	Conv. (cfs)		16.1	
Length Wtd. (ft)	13.33	Wetted Per. (ft)		22.17	
Min Ch El (ft)	7090.10	Shear (lb/sq ft)		0.49	
Alpha	1.00	Stream Power (lb/ft s)		0.60	
Frctn Loss (ft)	0.81	Cum Volume (acre-ft)		0.40	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.32	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4070 Profile: Q002

E.G. Elev (ft)	7089.47	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.078	
W.S. Elev (ft)	7089.44	Reach Len. (ft)	10.21	14.59	21.79
Crit W.S. (ft)		Flow Area (sq ft)		2.97	
E.G. Slope (ft/ft)	0.066104	Area (sq ft)		2.97	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	22.30	Top Width (ft)		22.30	
Vel Total (ft/s)	1.28	Avg. Vel. (ft/s)		1.28	
Max Chl Dpth (ft)	0.14	Hydr. Depth (ft)		0.13	
Conv. Total (cfs)	14.8	Conv. (cfs)		14.8	
Length Wtd. (ft)	14.59	Wetted Per. (ft)		22.32	
Min Ch El (ft)	7089.30	Shear (lb/sq ft)		0.55	
Alpha	1.00	Stream Power (lb/ft s)		0.70	
Frctn Loss (ft)	0.65	Cum Volume (acre-ft)		0.40	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.32	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4055.40* Profile: Q002

E.G. Elev (ft)	7088.83	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.069	
W.S. Elev (ft)	7088.80	Reach Len. (ft)	10.21	14.59	21.79
Crit W.S. (ft)		Flow Area (sq ft)		3.29	
E.G. Slope (ft/ft)	0.031666	Area (sq ft)		3.29	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	19.79	Top Width (ft)		19.79	
Vel Total (ft/s)	1.16	Avg. Vel. (ft/s)		1.16	
Max Chl Dpth (ft)	0.18	Hydr. Depth (ft)		0.17	
Conv. Total (cfs)	21.4	Conv. (cfs)		21.4	
Length Wtd. (ft)	14.59	Wetted Per. (ft)		19.81	
Min Ch El (ft)	7088.62	Shear (lb/sq ft)		0.33	
Alpha	1.00	Stream Power (lb/ft s)		0.38	
Frctn Loss (ft)	0.68	Cum Volume (acre-ft)		0.40	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.31	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4040.80* Profile: Q002

E.G. Elev (ft)	7088.15	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.069	
W.S. Elev (ft)	7088.10	Reach Len. (ft)	10.21	14.59	21.79
Crit W.S. (ft)	7088.08	Flow Area (sq ft)		2.35	
E.G. Slope (ft/ft)	0.076310	Area (sq ft)		2.35	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	16.55	Top Width (ft)		16.55	
Vel Total (ft/s)	1.62	Avg. Vel. (ft/s)		1.62	
Max Chl Dpth (ft)	0.16	Hydr. Depth (ft)		0.14	
Conv. Total (cfs)	13.8	Conv. (cfs)		13.8	
Length Wtd. (ft)	14.59	Wetted Per. (ft)		16.56	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4040.80* Profile: Q002 (Continued)

Min Ch El (ft)	7087.94	Shear (lb/sq ft)		0.68	
Alpha	1.00	Stream Power (lb/ft s)		1.09	
Frctn Loss (ft)	0.61	Cum Volume (acre-ft)		0.40	0.00
C & E Loss (ft)	0.01	Cum SA (acres)		2.30	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4026.20* Profile: Q002

E.G. Elev (ft)	7087.54	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.069	
W.S. Elev (ft)	7087.52	Reach Len. (ft)	10.21	14.59	21.79
Crit W.S. (ft)		Flow Area (sq ft)		3.37	
E.G. Slope (ft/ft)	0.026096	Area (sq ft)		3.37	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	18.23	Top Width (ft)		18.23	
Vel Total (ft/s)	1.13	Avg. Vel. (ft/s)		1.13	
Max Chl Dpth (ft)	0.26	Hydr. Depth (ft)		0.18	
Conv. Total (cfs)	23.5	Conv. (cfs)		23.5	
Length Wtd. (ft)	14.59	Wetted Per. (ft)		18.25	
Min Ch El (ft)	7087.26	Shear (lb/sq ft)		0.30	
Alpha	1.00	Stream Power (lb/ft s)		0.34	
Frctn Loss (ft)	0.71	Cum Volume (acre-ft)		0.40	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.30	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4011.60* Profile: Q002

E.G. Elev (ft)	7086.83	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.069	
W.S. Elev (ft)	7086.77	Reach Len. (ft)	10.21	14.59	21.79
Crit W.S. (ft)	7086.77	Flow Area (sq ft)		2.11	
E.G. Slope (ft/ft)	0.119811	Area (sq ft)		2.11	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	17.67	Top Width (ft)		17.67	
Vel Total (ft/s)	1.80	Avg. Vel. (ft/s)		1.80	
Max Chl Dpth (ft)	0.19	Hydr. Depth (ft)		0.12	
Conv. Total (cfs)	11.0	Conv. (cfs)		11.0	
Length Wtd. (ft)	14.59	Wetted Per. (ft)		17.68	
Min Ch El (ft)	7086.58	Shear (lb/sq ft)		0.89	
Alpha	1.00	Stream Power (lb/ft s)		1.61	
Frctn Loss (ft)	0.53	Cum Volume (acre-ft)		0.40	0.00
C & E Loss (ft)	0.01	Cum SA (acres)		2.29	0.01

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Warning:	During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The

Errors Warnings and Notes (Continued)

	program defaulted to critical depth.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3997 Profile: Q002

E.G. Elev (ft)	7086.15	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.069	
W.S. Elev (ft)	7086.13	Reach Len. (ft)	20.81	19.49	18.35
Crit W.S. (ft)	7086.05	Flow Area (sq ft)		4.38	
E.G. Slope (ft/ft)	0.017121	Area (sq ft)		4.38	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	25.65	Top Width (ft)		25.65	
Vel Total (ft/s)	0.87	Avg. Vel. (ft/s)		0.87	
Max Chl Dpth (ft)	0.23	Hydr. Depth (ft)		0.17	
Conv. Total (cfs)	29.0	Conv. (cfs)		29.0	
Length Wtd. (ft)	19.49	Wetted Per. (ft)		25.67	
Min Ch EI (ft)	7085.90	Shear (lb/sq ft)		0.18	
Alpha	1.00	Stream Power (lb/ft s)		0.16	
Frctn Loss (ft)	0.40	Cum Volume (acre-ft)		0.40	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.28	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3977.50* Profile: Q002

E.G. Elev (ft)	7085.75	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.069	
W.S. Elev (ft)	7085.74	Reach Len. (ft)	20.81	19.49	18.35
Crit W.S. (ft)		Flow Area (sq ft)		3.89	
E.G. Slope (ft/ft)	0.024384	Area (sq ft)		3.89	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	24.78	Top Width (ft)		24.78	
Vel Total (ft/s)	0.98	Avg. Vel. (ft/s)		0.98	
Max Chl Dpth (ft)	0.22	Hydr. Depth (ft)		0.16	
Conv. Total (cfs)	24.3	Conv. (cfs)		24.3	
Length Wtd. (ft)	19.49	Wetted Per. (ft)		24.79	
Min Ch EI (ft)	7085.52	Shear (lb/sq ft)		0.24	
Alpha	1.00	Stream Power (lb/ft s)		0.23	
Frctn Loss (ft)	0.36	Cum Volume (acre-ft)		0.39	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.27	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3958.00* Profile: Q002

E.G. Elev (ft)	7085.40	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.069	
W.S. Elev (ft)	7085.39	Reach Len. (ft)	20.81	19.49	18.35
Crit W.S. (ft)		Flow Area (sq ft)		4.56	
E.G. Slope (ft/ft)	0.014382	Area (sq ft)		4.56	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	24.80	Top Width (ft)		24.80	
Vel Total (ft/s)	0.83	Avg. Vel. (ft/s)		0.83	
Max Chl Dpth (ft)	0.26	Hydr. Depth (ft)		0.18	
Conv. Total (cfs)	31.7	Conv. (cfs)		31.7	
Length Wtd. (ft)	19.49	Wetted Per. (ft)		24.81	
Min Ch EI (ft)	7085.13	Shear (lb/sq ft)		0.16	
Alpha	1.00	Stream Power (lb/ft s)		0.14	
Frctn Loss (ft)	0.42	Cum Volume (acre-ft)		0.39	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.26	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than
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Errors Warnings and Notes (Continued)

	1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3938.50* Profile: Q002

E.G. Elev (ft)	7084.97	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.069	
W.S. Elev (ft)	7084.95	Reach Len. (ft)	20.81	19.49	18.35
Crit W.S. (ft)		Flow Area (sq ft)		3.39	
E.G. Slope (ft/ft)	0.035825	Area (sq ft)		3.39	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	23.49	Top Width (ft)		23.49	
Vel Total (ft/s)	1.12	Avg. Vel. (ft/s)		1.12	
Max Chl Dpth (ft)	0.20	Hydr. Depth (ft)		0.14	
Conv. Total (cfs)	20.1	Conv. (cfs)		20.1	
Length Wtd. (ft)	19.49	Wetted Per. (ft)		23.50	
Min Ch El (ft)	7084.75	Shear (lb/sq ft)		0.32	
Alpha	1.00	Stream Power (lb/ft s)		0.36	
Frctn Loss (ft)	0.39	Cum Volume (acre-ft)		0.39	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.25	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than
	1.4. This may indicate the need for additional cross sections.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3919.00* Profile: Q002

E.G. Elev (ft)	7084.59	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7084.57	Reach Len. (ft)	20.81	19.49	18.35
Crit W.S. (ft)		Flow Area (sq ft)		3.35	
E.G. Slope (ft/ft)	0.012572	Area (sq ft)		3.35	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	23.47	Top Width (ft)		23.47	
Vel Total (ft/s)	1.14	Avg. Vel. (ft/s)		1.14	
Max Chl Dpth (ft)	0.20	Hydr. Depth (ft)		0.14	
Conv. Total (cfs)	33.9	Conv. (cfs)		33.9	
Length Wtd. (ft)	19.49	Wetted Per. (ft)		23.49	
Min Ch El (ft)	7084.37	Shear (lb/sq ft)		0.11	
Alpha	1.00	Stream Power (lb/ft s)		0.13	
Frctn Loss (ft)	0.41	Cum Volume (acre-ft)		0.39	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.24	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than
	1.4. This may indicate the need for additional cross sections.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3899.50* Profile: Q002

E.G. Elev (ft)	7084.18	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.040	
W.S. Elev (ft)	7084.14	Reach Len. (ft)	20.81	19.49	18.35
Crit W.S. (ft)	7084.13	Flow Area (sq ft)		2.32	
E.G. Slope (ft/ft)	0.041599	Area (sq ft)		2.32	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	23.13	Top Width (ft)		23.13	
Vel Total (ft/s)	1.64	Avg. Vel. (ft/s)		1.64	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3899.50* Profile: Q002 (Continued)

Max Chl Dpth (ft)	0.15	Hydr. Depth (ft)		0.10	
Conv. Total (cfs)	18.6	Conv. (cfs)		18.6	
Length Wtd. (ft)	19.49	Wetted Per. (ft)		23.13	
Min Ch El (ft)	7083.98	Shear (lb/sq ft)		0.26	
Alpha	1.00	Stream Power (lb/ft s)		0.43	
Frctn Loss (ft)	0.35	Cum Volume (acre-ft)		0.39	0.00
C & E Loss (ft)	0.01	Cum SA (acres)		2.23	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3880 Profile: Q002

E.G. Elev (ft)	7083.82	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7083.81	Reach Len. (ft)	35.00	36.00	36.60
Crit W.S. (ft)		Flow Area (sq ft)		3.61	
E.G. Slope (ft/ft)	0.009966	Area (sq ft)		3.61	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	23.84	Top Width (ft)		23.84	
Vel Total (ft/s)	1.05	Avg. Vel. (ft/s)		1.05	
Max Chl Dpth (ft)	0.21	Hydr. Depth (ft)		0.15	
Conv. Total (cfs)	38.1	Conv. (cfs)		38.1	
Length Wtd. (ft)	36.00	Wetted Per. (ft)		23.87	
Min Ch El (ft)	7083.60	Shear (lb/sq ft)		0.09	
Alpha	1.00	Stream Power (lb/ft s)		0.10	
Frctn Loss (ft)	0.55	Cum Volume (acre-ft)		0.39	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.22	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3844.00* Profile: Q002

E.G. Elev (ft)	7083.26	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7083.23	Reach Len. (ft)	35.00	36.00	36.60
Crit W.S. (ft)	7083.21	Flow Area (sq ft)		2.65	
E.G. Slope (ft/ft)	0.026750	Area (sq ft)		2.65	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	23.04	Top Width (ft)		23.04	
Vel Total (ft/s)	1.44	Avg. Vel. (ft/s)		1.44	
Max Chl Dpth (ft)	0.17	Hydr. Depth (ft)		0.11	
Conv. Total (cfs)	23.2	Conv. (cfs)		23.2	
Length Wtd. (ft)	36.00	Wetted Per. (ft)		23.05	
Min Ch El (ft)	7083.06	Shear (lb/sq ft)		0.19	
Alpha	1.00	Stream Power (lb/ft s)		0.28	
Frctn Loss (ft)	0.51	Cum Volume (acre-ft)		0.38	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.20	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3808.00* Profile: Q002

E.G. Elev (ft)	7082.76	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7082.74	Reach Len. (ft)	35.00	36.00	36.60
Crit W.S. (ft)		Flow Area (sq ft)		3.71	
E.G. Slope (ft/ft)	0.008704	Area (sq ft)		3.71	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	23.12	Top Width (ft)		23.12	
Vel Total (ft/s)	1.02	Avg. Vel. (ft/s)		1.02	
Max Chl Dpth (ft)	0.22	Hydr. Depth (ft)		0.16	
Conv. Total (cfs)	40.7	Conv. (cfs)		40.7	
Length Wtd. (ft)	36.00	Wetted Per. (ft)		23.13	
Min Ch El (ft)	7082.52	Shear (lb/sq ft)		0.09	
Alpha	1.00	Stream Power (lb/ft s)		0.09	
Frctn Loss (ft)	0.57	Cum Volume (acre-ft)		0.38	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.18	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3772.00* Profile: Q002

E.G. Elev (ft)	7082.18	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.040	
W.S. Elev (ft)	7082.14	Reach Len. (ft)	35.00	36.00	36.60
Crit W.S. (ft)	7082.13	Flow Area (sq ft)		2.34	
E.G. Slope (ft/ft)	0.037087	Area (sq ft)		2.34	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	21.70	Top Width (ft)		21.70	
Vel Total (ft/s)	1.62	Avg. Vel. (ft/s)		1.62	
Max Chl Dpth (ft)	0.16	Hydr. Depth (ft)		0.11	
Conv. Total (cfs)	19.7	Conv. (cfs)		19.7	
Length Wtd. (ft)	36.00	Wetted Per. (ft)		21.71	
Min Ch El (ft)	7081.98	Shear (lb/sq ft)		0.25	
Alpha	1.00	Stream Power (lb/ft s)		0.41	
Frctn Loss (ft)	0.50	Cum Volume (acre-ft)		0.38	0.00
C & E Loss (ft)	0.01	Cum SA (acres)		2.16	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3736.00* Profile: Q002

E.G. Elev (ft)	7081.68	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7081.67	Reach Len. (ft)	35.00	36.00	36.60
Crit W.S. (ft)		Flow Area (sq ft)		4.03	
E.G. Slope (ft/ft)	0.007198	Area (sq ft)		4.03	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	24.68	Top Width (ft)		24.68	
Vel Total (ft/s)	0.94	Avg. Vel. (ft/s)		0.94	
Max Chl Dpth (ft)	0.23	Hydr. Depth (ft)		0.16	
Conv. Total (cfs)	44.8	Conv. (cfs)		44.8	
Length Wtd. (ft)	36.00	Wetted Per. (ft)		24.69	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3736.00* Profile: Q002 (Continued)

Min Ch El (ft)	7081.44	Shear (lb/sq ft)		0.07	
Alpha	1.00	Stream Power (lb/ft s)		0.07	
Frctn Loss (ft)	0.44	Cum Volume (acre-ft)		0.38	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.14	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3700 Profile: Q002

E.G. Elev (ft)	7081.24	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.069	
W.S. Elev (ft)	7081.22	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		6.96	
E.G. Slope (ft/ft)	0.016669	Area (sq ft)		6.96	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	26.59	Top Width (ft)		26.59	
Vel Total (ft/s)	1.14	Avg. Vel. (ft/s)		1.14	
Max Chl Dpth (ft)	0.32	Hydr. Depth (ft)		0.26	
Conv. Total (cfs)	61.2	Conv. (cfs)		61.2	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		26.66	
Min Ch El (ft)	7080.90	Shear (lb/sq ft)		0.27	
Alpha	1.00	Stream Power (lb/ft s)		0.31	
Frctn Loss (ft)	0.42	Cum Volume (acre-ft)		0.37	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.12	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3675.00* Profile: Q002

E.G. Elev (ft)	7080.82	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.069	
W.S. Elev (ft)	7080.80	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		7.02	
E.G. Slope (ft/ft)	0.016872	Area (sq ft)		7.02	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	27.49	Top Width (ft)		27.49	
Vel Total (ft/s)	1.12	Avg. Vel. (ft/s)		1.12	
Max Chl Dpth (ft)	0.32	Hydr. Depth (ft)		0.26	
Conv. Total (cfs)	60.8	Conv. (cfs)		60.8	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		27.54	
Min Ch El (ft)	7080.48	Shear (lb/sq ft)		0.27	
Alpha	1.00	Stream Power (lb/ft s)		0.30	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		0.37	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.11	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3650.00* Profile: Q002

E.G. Elev (ft)	7080.39	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.069	
W.S. Elev (ft)	7080.37	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		7.05	
E.G. Slope (ft/ft)	0.017291	Area (sq ft)		7.05	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	28.32	Top Width (ft)		28.32	
Vel Total (ft/s)	1.12	Avg. Vel. (ft/s)		1.12	
Max Chl Dpth (ft)	0.32	Hydr. Depth (ft)		0.25	
Conv. Total (cfs)	60.1	Conv. (cfs)		60.1	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		28.36	
Min Ch El (ft)	7080.05	Shear (lb/sq ft)		0.27	
Alpha	1.00	Stream Power (lb/ft s)		0.30	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3650.00* Profile: Q002 (Continued)

Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		0.36	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.09	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3625.00* Profile: Q002

E.G. Elev (ft)	7079.97	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.069	
W.S. Elev (ft)	7079.95	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		7.11	
E.G. Slope (ft/ft)	0.017334	Area (sq ft)		7.11	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	28.93	Top Width (ft)		28.93	
Vel Total (ft/s)	1.11	Avg. Vel. (ft/s)		1.11	
Max Chl Dpth (ft)	0.33	Hydr. Depth (ft)		0.25	
Conv. Total (cfs)	60.0	Conv. (cfs)		60.0	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		28.96	
Min Ch El (ft)	7079.62	Shear (lb/sq ft)		0.27	
Alpha	1.00	Stream Power (lb/ft s)		0.30	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		0.36	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.07	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3600.00* Profile: Q002

E.G. Elev (ft)	7079.55	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.069	
W.S. Elev (ft)	7079.53	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		7.25	
E.G. Slope (ft/ft)	0.016761	Area (sq ft)		7.25	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	29.64	Top Width (ft)		29.64	
Vel Total (ft/s)	1.09	Avg. Vel. (ft/s)		1.09	
Max Chl Dpth (ft)	0.33	Hydr. Depth (ft)		0.24	
Conv. Total (cfs)	61.0	Conv. (cfs)		61.0	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		29.67	
Min Ch El (ft)	7079.20	Shear (lb/sq ft)		0.26	
Alpha	1.00	Stream Power (lb/ft s)		0.28	
Frctn Loss (ft)	0.44	Cum Volume (acre-ft)		0.35	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.06	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3575.00* Profile: Q002

E.G. Elev (ft)	7079.12	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.069	
W.S. Elev (ft)	7079.10	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		7.14	
E.G. Slope (ft/ft)	0.018159	Area (sq ft)		7.14	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	30.35	Top Width (ft)		30.35	
Vel Total (ft/s)	1.11	Avg. Vel. (ft/s)		1.11	
Max Chl Dpth (ft)	0.33	Hydr. Depth (ft)		0.24	
Conv. Total (cfs)	58.6	Conv. (cfs)		58.6	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		30.38	
Min Ch El (ft)	7078.77	Shear (lb/sq ft)		0.27	
Alpha	1.00	Stream Power (lb/ft s)		0.29	
Frctn Loss (ft)	0.40	Cum Volume (acre-ft)		0.35	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.04	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3550.00* Profile: Q002

E.G. Elev (ft)	7078.71	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.069	
W.S. Elev (ft)	7078.69	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		7.81	
E.G. Slope (ft/ft)	0.014191	Area (sq ft)		7.81	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	31.46	Top Width (ft)		31.46	
Vel Total (ft/s)	1.01	Avg. Vel. (ft/s)		1.01	
Max Chl Dpth (ft)	0.34	Hydr. Depth (ft)		0.25	
Conv. Total (cfs)	66.3	Conv. (cfs)		66.3	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		31.50	
Min Ch El (ft)	7078.35	Shear (lb/sq ft)		0.22	
Alpha	1.00	Stream Power (lb/ft s)		0.22	
Frctn Loss (ft)	0.46	Cum Volume (acre-ft)		0.35	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.02	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3525.00* Profile: Q002

E.G. Elev (ft)	7078.25	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.069	
W.S. Elev (ft)	7078.23	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		6.63	
E.G. Slope (ft/ft)	0.025172	Area (sq ft)		6.63	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	32.11	Top Width (ft)		32.11	
Vel Total (ft/s)	1.19	Avg. Vel. (ft/s)		1.19	
Max Chl Dpth (ft)	0.31	Hydr. Depth (ft)		0.21	
Conv. Total (cfs)	49.8	Conv. (cfs)		49.8	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		32.14	
Min Ch El (ft)	7077.92	Shear (lb/sq ft)		0.32	
Alpha	1.00	Stream Power (lb/ft s)		0.39	
Frctn Loss (ft)	0.45	Cum Volume (acre-ft)		0.34	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.00	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3500 Profile: Q002

E.G. Elev (ft)	7077.81	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7077.78	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		5.83	
E.G. Slope (ft/ft)	0.013408	Area (sq ft)		5.83	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	32.94	Top Width (ft)		32.94	
Vel Total (ft/s)	1.36	Avg. Vel. (ft/s)		1.36	
Max Chl Dpth (ft)	0.28	Hydr. Depth (ft)		0.18	
Conv. Total (cfs)	68.2	Conv. (cfs)		68.2	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		32.96	
Min Ch El (ft)	7077.50	Shear (lb/sq ft)		0.15	
Alpha	1.00	Stream Power (lb/ft s)		0.20	
Frctn Loss (ft)	0.26	Cum Volume (acre-ft)		0.34	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.99	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3480.77* Profile: Q002

E.G. Elev (ft)	7077.55	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7077.52	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		5.75	
E.G. Slope (ft/ft)	0.014068	Area (sq ft)		5.75	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	32.99	Top Width (ft)		32.99	
Vel Total (ft/s)	1.37	Avg. Vel. (ft/s)		1.37	
Max Chl Dpth (ft)	0.28	Hydr. Depth (ft)		0.17	
Conv. Total (cfs)	66.6	Conv. (cfs)		66.6	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		33.01	
Min Ch El (ft)	7077.24	Shear (lb/sq ft)		0.15	
Alpha	1.00	Stream Power (lb/ft s)		0.21	
Frctn Loss (ft)	0.26	Cum Volume (acre-ft)		0.34	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.97	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3461.54* Profile: Q002

E.G. Elev (ft)	7077.28	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7077.26	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		5.89	
E.G. Slope (ft/ft)	0.013072	Area (sq ft)		5.89	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	33.12	Top Width (ft)		33.12	
Vel Total (ft/s)	1.34	Avg. Vel. (ft/s)		1.34	
Max Chl Dpth (ft)	0.27	Hydr. Depth (ft)		0.18	
Conv. Total (cfs)	69.1	Conv. (cfs)		69.1	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		33.14	
Min Ch El (ft)	7076.98	Shear (lb/sq ft)		0.14	
Alpha	1.00	Stream Power (lb/ft s)		0.19	
Frctn Loss (ft)	0.26	Cum Volume (acre-ft)		0.33	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.96	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3442.31* Profile: Q002

E.G. Elev (ft)	7077.01	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7076.98	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		5.68	
E.G. Slope (ft/ft)	0.014526	Area (sq ft)		5.68	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	32.85	Top Width (ft)		32.85	
Vel Total (ft/s)	1.39	Avg. Vel. (ft/s)		1.39	
Max Chl Dpth (ft)	0.26	Hydr. Depth (ft)		0.17	
Conv. Total (cfs)	65.5	Conv. (cfs)		65.5	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		32.86	
Min Ch El (ft)	7076.72	Shear (lb/sq ft)		0.16	
Alpha	1.00	Stream Power (lb/ft s)		0.22	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		0.33	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.94	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3423.08* Profile: Q002

E.G. Elev (ft)	7076.75	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7076.72	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		5.81	
E.G. Slope (ft/ft)	0.013381	Area (sq ft)		5.81	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	32.57	Top Width (ft)		32.57	
Vel Total (ft/s)	1.36	Avg. Vel. (ft/s)		1.36	
Max Chl Dpth (ft)	0.27	Hydr. Depth (ft)		0.18	
Conv. Total (cfs)	68.3	Conv. (cfs)		68.3	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		32.59	
Min Ch El (ft)	7076.45	Shear (lb/sq ft)		0.15	
Alpha	1.00	Stream Power (lb/ft s)		0.20	
Frctn Loss (ft)	0.26	Cum Volume (acre-ft)		0.33	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.93	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3403.85* Profile: Q002

E.G. Elev (ft)	7076.48	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7076.45	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		5.73	
E.G. Slope (ft/ft)	0.013979	Area (sq ft)		5.73	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	32.58	Top Width (ft)		32.58	
Vel Total (ft/s)	1.38	Avg. Vel. (ft/s)		1.38	
Max Chl Dpth (ft)	0.26	Hydr. Depth (ft)		0.18	
Conv. Total (cfs)	66.8	Conv. (cfs)		66.8	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		32.59	
Min Ch El (ft)	7076.19	Shear (lb/sq ft)		0.15	
Alpha	1.00	Stream Power (lb/ft s)		0.21	
Frctn Loss (ft)	0.26	Cum Volume (acre-ft)		0.33	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.91	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3384.62* Profile: Q002

E.G. Elev (ft)	7076.22	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7076.19	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		5.80	
E.G. Slope (ft/ft)	0.013485	Area (sq ft)		5.80	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	32.73	Top Width (ft)		32.73	
Vel Total (ft/s)	1.36	Avg. Vel. (ft/s)		1.36	
Max Chl Dpth (ft)	0.26	Hydr. Depth (ft)		0.18	
Conv. Total (cfs)	68.0	Conv. (cfs)		68.0	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		32.74	
Min Ch El (ft)	7075.93	Shear (lb/sq ft)		0.15	
Alpha	1.00	Stream Power (lb/ft s)		0.20	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		0.32	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.90	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3365.39* Profile: Q002

E.G. Elev (ft)	7075.95	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7075.92	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		5.70	
E.G. Slope (ft/ft)	0.014439	Area (sq ft)		5.70	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	32.93	Top Width (ft)		32.93	
Vel Total (ft/s)	1.39	Avg. Vel. (ft/s)		1.39	
Max Chl Dpth (ft)	0.25	Hydr. Depth (ft)		0.17	
Conv. Total (cfs)	65.7	Conv. (cfs)		65.7	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		32.94	
Min Ch El (ft)	7075.67	Shear (lb/sq ft)		0.16	
Alpha	1.00	Stream Power (lb/ft s)		0.22	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		0.32	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.88	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3346.15* Profile: Q002

E.G. Elev (ft)	7075.69	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7075.66	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		5.89	
E.G. Slope (ft/ft)	0.013266	Area (sq ft)		5.89	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	33.52	Top Width (ft)		33.52	
Vel Total (ft/s)	1.34	Avg. Vel. (ft/s)		1.34	
Max Chl Dpth (ft)	0.25	Hydr. Depth (ft)		0.18	
Conv. Total (cfs)	68.6	Conv. (cfs)		68.6	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		33.53	
Min Ch El (ft)	7075.41	Shear (lb/sq ft)		0.15	
Alpha	1.00	Stream Power (lb/ft s)		0.20	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		0.32	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.87	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3326.92* Profile: Q002

E.G. Elev (ft)	7075.42	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7075.39	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		5.72	
E.G. Slope (ft/ft)	0.014934	Area (sq ft)		5.72	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	34.02	Top Width (ft)		34.02	
Vel Total (ft/s)	1.38	Avg. Vel. (ft/s)		1.38	
Max Chl Dpth (ft)	0.24	Hydr. Depth (ft)		0.17	
Conv. Total (cfs)	64.6	Conv. (cfs)		64.6	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		34.03	
Min Ch El (ft)	7075.15	Shear (lb/sq ft)		0.16	
Alpha	1.00	Stream Power (lb/ft s)		0.22	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		0.32	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.86	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3307.69* Profile: Q002

E.G. Elev (ft)	7075.15	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7075.12	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		5.96	
E.G. Slope (ft/ft)	0.013474	Area (sq ft)		5.96	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	35.02	Top Width (ft)		35.02	
Vel Total (ft/s)	1.32	Avg. Vel. (ft/s)		1.32	
Max Chl Dpth (ft)	0.24	Hydr. Depth (ft)		0.17	
Conv. Total (cfs)	68.1	Conv. (cfs)		68.1	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		35.03	
Min Ch El (ft)	7074.88	Shear (lb/sq ft)		0.14	
Alpha	1.00	Stream Power (lb/ft s)		0.19	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		0.31	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.84	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3288.46* Profile: Q002

E.G. Elev (ft)	7074.88	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7074.85	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		6.00	
E.G. Slope (ft/ft)	0.014114	Area (sq ft)		6.00	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	36.77	Top Width (ft)		36.77	
Vel Total (ft/s)	1.32	Avg. Vel. (ft/s)		1.32	
Max Chl Dpth (ft)	0.23	Hydr. Depth (ft)		0.16	
Conv. Total (cfs)	66.5	Conv. (cfs)		66.5	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		36.78	
Min Ch El (ft)	7074.62	Shear (lb/sq ft)		0.14	
Alpha	1.00	Stream Power (lb/ft s)		0.19	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		0.31	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.82	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3269.23* Profile: Q002

E.G. Elev (ft)	7074.61	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7074.59	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		6.30	
E.G. Slope (ft/ft)	0.013588	Area (sq ft)		6.30	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	40.35	Top Width (ft)		40.35	
Vel Total (ft/s)	1.25	Avg. Vel. (ft/s)		1.25	
Max Chl Dpth (ft)	0.23	Hydr. Depth (ft)		0.16	
Conv. Total (cfs)	67.8	Conv. (cfs)		67.8	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		40.37	
Min Ch El (ft)	7074.36	Shear (lb/sq ft)		0.13	
Alpha	1.00	Stream Power (lb/ft s)		0.17	
Frctn Loss (ft)	0.30	Cum Volume (acre-ft)		0.31	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.81	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3250 Profile: Q002

E.G. Elev (ft)	7074.32	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7074.30	Reach Len. (ft)	15.00	15.00	15.00
Crit W.S. (ft)		Flow Area (sq ft)		5.85	
E.G. Slope (ft/ft)	0.017639	Area (sq ft)		5.85	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	40.83	Top Width (ft)		40.83	
Vel Total (ft/s)	1.35	Avg. Vel. (ft/s)		1.35	
Max Chl Dpth (ft)	0.20	Hydr. Depth (ft)		0.14	
Conv. Total (cfs)	59.5	Conv. (cfs)		59.5	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		40.85	
Min Ch El (ft)	7074.10	Shear (lb/sq ft)		0.16	
Alpha	1.00	Stream Power (lb/ft s)		0.21	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)		0.31	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.79	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3235.00* Profile: Q002

E.G. Elev (ft)	7074.04	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7074.01	Reach Len. (ft)	15.00	15.00	15.00
Crit W.S. (ft)		Flow Area (sq ft)		5.58	
E.G. Slope (ft/ft)	0.020143	Area (sq ft)		5.58	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	40.10	Top Width (ft)		40.10	
Vel Total (ft/s)	1.42	Avg. Vel. (ft/s)		1.42	
Max Chl Dpth (ft)	0.19	Hydr. Depth (ft)		0.14	
Conv. Total (cfs)	55.7	Conv. (cfs)		55.7	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		40.11	
Min Ch El (ft)	7073.82	Shear (lb/sq ft)		0.17	
Alpha	1.00	Stream Power (lb/ft s)		0.25	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)		0.30	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.78	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3220.00* Profile: Q002

E.G. Elev (ft)	7073.77	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7073.74	Reach Len. (ft)	15.00	15.00	15.00
Crit W.S. (ft)		Flow Area (sq ft)		5.83	
E.G. Slope (ft/ft)	0.016999	Area (sq ft)		5.83	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	39.46	Top Width (ft)		39.46	
Vel Total (ft/s)	1.35	Avg. Vel. (ft/s)		1.35	
Max Chl Dpth (ft)	0.20	Hydr. Depth (ft)		0.15	
Conv. Total (cfs)	60.6	Conv. (cfs)		60.6	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		39.48	
Min Ch El (ft)	7073.54	Shear (lb/sq ft)		0.16	
Alpha	1.00	Stream Power (lb/ft s)		0.21	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		0.30	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.76	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3205.00* Profile: Q002

E.G. Elev (ft)	7073.49	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7073.46	Reach Len. (ft)	15.00	15.00	15.00
Crit W.S. (ft)		Flow Area (sq ft)		5.53	
E.G. Slope (ft/ft)	0.019542	Area (sq ft)		5.53	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	38.25	Top Width (ft)		38.25	
Vel Total (ft/s)	1.43	Avg. Vel. (ft/s)		1.43	
Max Chl Dpth (ft)	0.20	Hydr. Depth (ft)		0.14	
Conv. Total (cfs)	56.5	Conv. (cfs)		56.5	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		38.26	
Min Ch El (ft)	7073.26	Shear (lb/sq ft)		0.18	
Alpha	1.00	Stream Power (lb/ft s)		0.25	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)		0.30	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.75	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3190.00* Profile: Q002

E.G. Elev (ft)	7073.22	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7073.19	Reach Len. (ft)	15.00	15.00	15.00
Crit W.S. (ft)		Flow Area (sq ft)		5.64	
E.G. Slope (ft/ft)	0.017719	Area (sq ft)		5.64	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	37.36	Top Width (ft)		37.36	
Vel Total (ft/s)	1.40	Avg. Vel. (ft/s)		1.40	
Max Chl Dpth (ft)	0.20	Hydr. Depth (ft)		0.15	
Conv. Total (cfs)	59.3	Conv. (cfs)		59.3	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		37.37	
Min Ch El (ft)	7072.98	Shear (lb/sq ft)		0.17	
Alpha	1.00	Stream Power (lb/ft s)		0.23	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)		0.30	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.74	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3175.00* Profile: Q002

E.G. Elev (ft)	7072.94	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7072.90	Reach Len. (ft)	15.00	15.00	15.00
Crit W.S. (ft)		Flow Area (sq ft)		5.42	
E.G. Slope (ft/ft)	0.019685	Area (sq ft)		5.42	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	36.57	Top Width (ft)		36.57	
Vel Total (ft/s)	1.46	Avg. Vel. (ft/s)		1.46	
Max Chl Dpth (ft)	0.20	Hydr. Depth (ft)		0.15	
Conv. Total (cfs)	56.3	Conv. (cfs)		56.3	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		36.58	
Min Ch El (ft)	7072.70	Shear (lb/sq ft)		0.18	
Alpha	1.00	Stream Power (lb/ft s)		0.27	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)		0.30	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.72	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3160.00* Profile: Q002

E.G. Elev (ft)	7072.66	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7072.63	Reach Len. (ft)	15.00	15.00	15.00
Crit W.S. (ft)		Flow Area (sq ft)		5.60	
E.G. Slope (ft/ft)	0.017228	Area (sq ft)		5.60	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	35.98	Top Width (ft)		35.98	
Vel Total (ft/s)	1.41	Avg. Vel. (ft/s)		1.41	
Max Chl Dpth (ft)	0.21	Hydr. Depth (ft)		0.16	
Conv. Total (cfs)	60.2	Conv. (cfs)		60.2	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		35.99	
Min Ch El (ft)	7072.42	Shear (lb/sq ft)		0.17	
Alpha	1.00	Stream Power (lb/ft s)		0.24	
Frctn Loss (ft)	0.29	Cum Volume (acre-ft)		0.29	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.71	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3145.00* Profile: Q002

E.G. Elev (ft)	7072.38	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.040	
W.S. Elev (ft)	7072.34	Reach Len. (ft)	15.00	15.00	15.00
Crit W.S. (ft)		Flow Area (sq ft)		5.21	
E.G. Slope (ft/ft)	0.021376	Area (sq ft)		5.21	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	35.28	Top Width (ft)		35.28	
Vel Total (ft/s)	1.52	Avg. Vel. (ft/s)		1.52	
Max Chl Dpth (ft)	0.20	Hydr. Depth (ft)		0.15	
Conv. Total (cfs)	54.0	Conv. (cfs)		54.0	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		35.29	
Min Ch El (ft)	7072.14	Shear (lb/sq ft)		0.20	
Alpha	1.00	Stream Power (lb/ft s)		0.30	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)		0.29	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.70	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3130.00* Profile: Q002

E.G. Elev (ft)	7072.11	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7072.07	Reach Len. (ft)	15.00	15.00	15.00
Crit W.S. (ft)		Flow Area (sq ft)		5.58	
E.G. Slope (ft/ft)	0.016714	Area (sq ft)		5.58	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	34.78	Top Width (ft)		34.78	
Vel Total (ft/s)	1.42	Avg. Vel. (ft/s)		1.42	
Max Chl Dpth (ft)	0.21	Hydr. Depth (ft)		0.16	
Conv. Total (cfs)	61.1	Conv. (cfs)		61.1	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		34.80	
Min Ch El (ft)	7071.86	Shear (lb/sq ft)		0.17	
Alpha	1.00	Stream Power (lb/ft s)		0.24	
Frctn Loss (ft)	0.29	Cum Volume (acre-ft)		0.29	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.69	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3115.00* Profile: Q002

E.G. Elev (ft)	7071.82	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.040	
W.S. Elev (ft)	7071.78	Reach Len. (ft)	15.00	15.00	15.00
Crit W.S. (ft)		Flow Area (sq ft)		5.01	
E.G. Slope (ft/ft)	0.023160	Area (sq ft)		5.01	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	34.05	Top Width (ft)		34.05	
Vel Total (ft/s)	1.58	Avg. Vel. (ft/s)		1.58	
Max Chl Dpth (ft)	0.20	Hydr. Depth (ft)		0.15	
Conv. Total (cfs)	51.9	Conv. (cfs)		51.9	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		34.07	
Min Ch El (ft)	7071.58	Shear (lb/sq ft)		0.21	
Alpha	1.00	Stream Power (lb/ft s)		0.34	
Frctn Loss (ft)	0.25	Cum Volume (acre-ft)		0.29	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.67	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3100 Profile: Q002

E.G. Elev (ft)	7071.56	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7071.53	Reach Len. (ft)	18.66	14.84	8.66
Crit W.S. (ft)		Flow Area (sq ft)		5.95	
E.G. Slope (ft/ft)	0.012973	Area (sq ft)		5.95	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	33.78	Top Width (ft)		33.78	
Vel Total (ft/s)	1.33	Avg. Vel. (ft/s)		1.33	
Max Chl Dpth (ft)	0.23	Hydr. Depth (ft)		0.18	
Conv. Total (cfs)	69.4	Conv. (cfs)		69.4	
Length Wtd. (ft)	14.84	Wetted Per. (ft)		33.81	
Min Ch El (ft)	7071.30	Shear (lb/sq ft)		0.14	
Alpha	1.00	Stream Power (lb/ft s)		0.19	
Frctn Loss (ft)	0.21	Cum Volume (acre-ft)		0.29	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.66	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3085.17* Profile: Q002

E.G. Elev (ft)	7071.35	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7071.32	Reach Len. (ft)	18.66	14.84	8.66
Crit W.S. (ft)		Flow Area (sq ft)		5.60	
E.G. Slope (ft/ft)	0.015548	Area (sq ft)		5.60	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	33.25	Top Width (ft)		33.25	
Vel Total (ft/s)	1.41	Avg. Vel. (ft/s)		1.41	
Max Chl Dpth (ft)	0.24	Hydr. Depth (ft)		0.17	
Conv. Total (cfs)	63.4	Conv. (cfs)		63.4	
Length Wtd. (ft)	14.84	Wetted Per. (ft)		33.27	
Min Ch El (ft)	7071.08	Shear (lb/sq ft)		0.16	
Alpha	1.00	Stream Power (lb/ft s)		0.23	
Frctn Loss (ft)	0.22	Cum Volume (acre-ft)		0.28	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.65	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3070.33* Profile: Q002

E.G. Elev (ft)	7071.14	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7071.11	Reach Len. (ft)	18.66	14.84	8.66
Crit W.S. (ft)		Flow Area (sq ft)		5.68	
E.G. Slope (ft/ft)	0.013960	Area (sq ft)		5.68	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	31.80	Top Width (ft)		31.80	
Vel Total (ft/s)	1.39	Avg. Vel. (ft/s)		1.39	
Max Chl Dpth (ft)	0.24	Hydr. Depth (ft)		0.18	
Conv. Total (cfs)	66.9	Conv. (cfs)		66.9	
Length Wtd. (ft)	14.84	Wetted Per. (ft)		31.82	
Min Ch El (ft)	7070.87	Shear (lb/sq ft)		0.16	
Alpha	1.00	Stream Power (lb/ft s)		0.22	
Frctn Loss (ft)	0.22	Cum Volume (acre-ft)		0.28	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.64	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3055.50* Profile: Q002

E.G. Elev (ft)	7070.91	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7070.88	Reach Len. (ft)	18.66	14.84	8.66
Crit W.S. (ft)		Flow Area (sq ft)		5.53	
E.G. Slope (ft/ft)	0.015352	Area (sq ft)		5.53	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	31.95	Top Width (ft)		31.95	
Vel Total (ft/s)	1.43	Avg. Vel. (ft/s)		1.43	
Max Chl Dpth (ft)	0.23	Hydr. Depth (ft)		0.17	
Conv. Total (cfs)	63.8	Conv. (cfs)		63.8	
Length Wtd. (ft)	14.84	Wetted Per. (ft)		31.96	
Min Ch El (ft)	7070.65	Shear (lb/sq ft)		0.17	
Alpha	1.00	Stream Power (lb/ft s)		0.24	
Frctn Loss (ft)	0.22	Cum Volume (acre-ft)		0.28	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.63	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3040.67* Profile: Q002

E.G. Elev (ft)	7070.70	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7070.67	Reach Len. (ft)	18.66	14.84	8.66
Crit W.S. (ft)		Flow Area (sq ft)		5.76	
E.G. Slope (ft/ft)	0.014234	Area (sq ft)		5.76	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	33.40	Top Width (ft)		33.40	
Vel Total (ft/s)	1.37	Avg. Vel. (ft/s)		1.37	
Max Chl Dpth (ft)	0.24	Hydr. Depth (ft)		0.17	
Conv. Total (cfs)	66.2	Conv. (cfs)		66.2	
Length Wtd. (ft)	14.84	Wetted Per. (ft)		33.41	
Min Ch El (ft)	7070.43	Shear (lb/sq ft)		0.15	
Alpha	1.00	Stream Power (lb/ft s)		0.21	
Frctn Loss (ft)	0.23	Cum Volume (acre-ft)		0.28	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.62	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3025.83* Profile: Q002

E.G. Elev (ft)	7070.47	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7070.44	Reach Len. (ft)	18.67	14.83	8.67
Crit W.S. (ft)		Flow Area (sq ft)		5.56	
E.G. Slope (ft/ft)	0.017080	Area (sq ft)		5.56	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	35.10	Top Width (ft)		35.10	
Vel Total (ft/s)	1.42	Avg. Vel. (ft/s)		1.42	
Max Chl Dpth (ft)	0.22	Hydr. Depth (ft)		0.16	
Conv. Total (cfs)	60.4	Conv. (cfs)		60.4	
Length Wtd. (ft)	14.83	Wetted Per. (ft)		35.12	
Min Ch El (ft)	7070.22	Shear (lb/sq ft)		0.17	
Alpha	1.00	Stream Power (lb/ft s)		0.24	
Frctn Loss (ft)	0.22	Cum Volume (acre-ft)		0.28	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.61	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3011 Profile: Q002

E.G. Elev (ft)	7070.25	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7070.22	Reach Len. (ft)	26.50	31.00	33.50
Crit W.S. (ft)		Flow Area (sq ft)		6.16	
E.G. Slope (ft/ft)	0.012794	Area (sq ft)		6.16	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	36.57	Top Width (ft)		36.57	
Vel Total (ft/s)	1.28	Avg. Vel. (ft/s)		1.28	
Max Chl Dpth (ft)	0.22	Hydr. Depth (ft)		0.17	
Conv. Total (cfs)	69.8	Conv. (cfs)		69.8	
Length Wtd. (ft)	31.00	Wetted Per. (ft)		36.60	
Min Ch El (ft)	7070.00	Shear (lb/sq ft)		0.13	
Alpha	1.00	Stream Power (lb/ft s)		0.17	
Frctn Loss (ft)	0.44	Cum Volume (acre-ft)		0.27	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.59	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2980.00* Profile: Q002

E.G. Elev (ft)	7069.81	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7069.78	Reach Len. (ft)	26.50	31.00	33.50
Crit W.S. (ft)		Flow Area (sq ft)		5.52	
E.G. Slope (ft/ft)	0.016080	Area (sq ft)		5.52	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	32.95	Top Width (ft)		32.95	
Vel Total (ft/s)	1.43	Avg. Vel. (ft/s)		1.43	
Max Chl Dpth (ft)	0.23	Hydr. Depth (ft)		0.17	
Conv. Total (cfs)	62.3	Conv. (cfs)		62.3	
Length Wtd. (ft)	31.00	Wetted Per. (ft)		32.96	
Min Ch El (ft)	7069.55	Shear (lb/sq ft)		0.17	
Alpha	1.00	Stream Power (lb/ft s)		0.24	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		0.27	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.57	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2949.00* Profile: Q002

E.G. Elev (ft)	7069.38	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7069.35	Reach Len. (ft)	26.50	31.00	33.50
Crit W.S. (ft)		Flow Area (sq ft)		5.87	
E.G. Slope (ft/ft)	0.012209	Area (sq ft)		5.87	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	31.27	Top Width (ft)		31.27	
Vel Total (ft/s)	1.35	Avg. Vel. (ft/s)		1.35	
Max Chl Dpth (ft)	0.25	Hydr. Depth (ft)		0.19	
Conv. Total (cfs)	71.5	Conv. (cfs)		71.5	
Length Wtd. (ft)	31.00	Wetted Per. (ft)		31.28	
Min Ch El (ft)	7069.10	Shear (lb/sq ft)		0.14	
Alpha	1.00	Stream Power (lb/ft s)		0.19	
Frctn Loss (ft)	0.48	Cum Volume (acre-ft)		0.27	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.55	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2918.00* Profile: Q002

E.G. Elev (ft)	7068.91	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.040	
W.S. Elev (ft)	7068.87	Reach Len. (ft)	26.50	31.00	33.50
Crit W.S. (ft)		Flow Area (sq ft)		5.18	
E.G. Slope (ft/ft)	0.019841	Area (sq ft)		5.18	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	32.86	Top Width (ft)		32.86	
Vel Total (ft/s)	1.53	Avg. Vel. (ft/s)		1.53	
Max Chl Dpth (ft)	0.22	Hydr. Depth (ft)		0.16	
Conv. Total (cfs)	56.1	Conv. (cfs)		56.1	
Length Wtd. (ft)	31.00	Wetted Per. (ft)		32.88	
Min Ch El (ft)	7068.65	Shear (lb/sq ft)		0.20	
Alpha	1.00	Stream Power (lb/ft s)		0.30	
Frctn Loss (ft)	0.49	Cum Volume (acre-ft)		0.26	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.52	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2887 Profile: Q002

E.G. Elev (ft)	7068.42	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7068.40	Reach Len. (ft)	31.40	29.40	30.40
Crit W.S. (ft)		Flow Area (sq ft)		6.72	
E.G. Slope (ft/ft)	0.012956	Area (sq ft)		6.72	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	45.73	Top Width (ft)		45.73	
Vel Total (ft/s)	1.18	Avg. Vel. (ft/s)		1.18	
Max Chl Dpth (ft)	0.20	Hydr. Depth (ft)		0.15	
Conv. Total (cfs)	69.4	Conv. (cfs)		69.4	
Length Wtd. (ft)	29.40	Wetted Per. (ft)		45.77	
Min Ch El (ft)	7068.20	Shear (lb/sq ft)		0.12	
Alpha	1.00	Stream Power (lb/ft s)		0.14	
Frctn Loss (ft)	0.39	Cum Volume (acre-ft)		0.26	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.50	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2857.60* Profile: Q002

E.G. Elev (ft)	7068.03	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7068.01	Reach Len. (ft)	31.40	29.40	30.40
Crit W.S. (ft)		Flow Area (sq ft)		6.70	
E.G. Slope (ft/ft)	0.013762	Area (sq ft)		6.70	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	47.57	Top Width (ft)		47.57	
Vel Total (ft/s)	1.18	Avg. Vel. (ft/s)		1.18	
Max Chl Dpth (ft)	0.25	Hydr. Depth (ft)		0.14	
Conv. Total (cfs)	67.3	Conv. (cfs)		67.3	
Length Wtd. (ft)	29.40	Wetted Per. (ft)		47.58	
Min Ch El (ft)	7067.76	Shear (lb/sq ft)		0.12	
Alpha	1.00	Stream Power (lb/ft s)		0.14	
Frctn Loss (ft)	0.42	Cum Volume (acre-ft)		0.25	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.46	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2828.20* Profile: Q002

E.G. Elev (ft)	7067.61	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7067.59	Reach Len. (ft)	31.40	29.40	30.40
Crit W.S. (ft)		Flow Area (sq ft)		6.71	
E.G. Slope (ft/ft)	0.014802	Area (sq ft)		6.71	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	50.43	Top Width (ft)		50.43	
Vel Total (ft/s)	1.18	Avg. Vel. (ft/s)		1.18	
Max Chl Dpth (ft)	0.27	Hydr. Depth (ft)		0.13	
Conv. Total (cfs)	64.9	Conv. (cfs)		64.9	
Length Wtd. (ft)	29.40	Wetted Per. (ft)		50.44	
Min Ch El (ft)	7067.32	Shear (lb/sq ft)		0.12	
Alpha	1.00	Stream Power (lb/ft s)		0.14	
Frctn Loss (ft)	0.47	Cum Volume (acre-ft)		0.25	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.43	0.01

Errors Warnings and Notes

Warning: Divided flow computed for this cross-section.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2798.80* Profile: Q002

E.G. Elev (ft)	7067.15	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7067.12	Reach Len. (ft)	31.40	29.40	30.40
Crit W.S. (ft)		Flow Area (sq ft)		5.43	
E.G. Slope (ft/ft)	0.017243	Area (sq ft)		5.43	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	33.33	Top Width (ft)		33.33	
Vel Total (ft/s)	1.45	Avg. Vel. (ft/s)		1.45	
Max Chl Dpth (ft)	0.24	Hydr. Depth (ft)		0.16	
Conv. Total (cfs)	60.2	Conv. (cfs)		60.2	
Length Wtd. (ft)	29.40	Wetted Per. (ft)		33.34	
Min Ch El (ft)	7066.88	Shear (lb/sq ft)		0.18	
Alpha	1.00	Stream Power (lb/ft s)		0.26	
Frctn Loss (ft)	0.42	Cum Volume (acre-ft)		0.24	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.40	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2769.40* Profile: Q002

E.G. Elev (ft)	7066.72	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7066.69	Reach Len. (ft)	31.40	29.40	30.40
Crit W.S. (ft)		Flow Area (sq ft)		6.20	
E.G. Slope (ft/ft)	0.012125	Area (sq ft)		6.20	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	35.71	Top Width (ft)		35.71	
Vel Total (ft/s)	1.27	Avg. Vel. (ft/s)		1.27	
Max Chl Dpth (ft)	0.25	Hydr. Depth (ft)		0.17	
Conv. Total (cfs)	71.7	Conv. (cfs)		71.7	
Length Wtd. (ft)	29.40	Wetted Per. (ft)		35.72	
Min Ch El (ft)	7066.44	Shear (lb/sq ft)		0.13	
Alpha	1.00	Stream Power (lb/ft s)		0.17	
Frctn Loss (ft)	0.46	Cum Volume (acre-ft)		0.24	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.38	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2740 Profile: Q002

E.G. Elev (ft)	7066.25	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7066.22	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		5.58	
E.G. Slope (ft/ft)	0.021263	Area (sq ft)		5.58	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	41.71	Top Width (ft)		41.71	
Vel Total (ft/s)	1.42	Avg. Vel. (ft/s)		1.42	
Max Chl Dpth (ft)	0.22	Hydr. Depth (ft)		0.13	
Conv. Total (cfs)	54.2	Conv. (cfs)		54.2	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		41.71	
Min Ch El (ft)	7066.00	Shear (lb/sq ft)		0.18	
Alpha	1.00	Stream Power (lb/ft s)		0.25	
Frctn Loss (ft)	0.42	Cum Volume (acre-ft)		0.24	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.35	0.01

Errors Warnings and Notes

Warning: Divided flow computed for this cross-section.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2720.00* Profile: Q002

E.G. Elev (ft)	7065.83	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7065.80	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		5.50	
E.G. Slope (ft/ft)	0.020867	Area (sq ft)		5.50	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	39.76	Top Width (ft)		39.76	
Vel Total (ft/s)	1.44	Avg. Vel. (ft/s)		1.44	
Max Chl Dpth (ft)	0.23	Hydr. Depth (ft)		0.14	
Conv. Total (cfs)	54.7	Conv. (cfs)		54.7	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		39.77	
Min Ch El (ft)	7065.57	Shear (lb/sq ft)		0.18	
Alpha	1.00	Stream Power (lb/ft s)		0.26	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		0.23	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.33	0.01

Errors Warnings and Notes

Warning: Divided flow computed for this cross-section.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2700.00* Profile: Q002

E.G. Elev (ft)	7065.40	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.040	
W.S. Elev (ft)	7065.36	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		5.12	
E.G. Slope (ft/ft)	0.021771	Area (sq ft)		5.12	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	34.35	Top Width (ft)		34.35	
Vel Total (ft/s)	1.54	Avg. Vel. (ft/s)		1.54	
Max Chl Dpth (ft)	0.23	Hydr. Depth (ft)		0.15	
Conv. Total (cfs)	53.5	Conv. (cfs)		53.5	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		34.36	
Min Ch El (ft)	7065.13	Shear (lb/sq ft)		0.20	
Alpha	1.00	Stream Power (lb/ft s)		0.31	
Frctn Loss (ft)	0.41	Cum Volume (acre-ft)		0.23	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.32	0.01

Errors Warnings and Notes

Warning:	Divided flow computed for this cross-section.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2680.00* Profile: Q002

E.G. Elev (ft)	7064.98	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.040	
W.S. Elev (ft)	7064.95	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		5.25	
E.G. Slope (ft/ft)	0.019525	Area (sq ft)		5.25	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	33.64	Top Width (ft)		33.64	
Vel Total (ft/s)	1.50	Avg. Vel. (ft/s)		1.50	
Max Chl Dpth (ft)	0.24	Hydr. Depth (ft)		0.16	
Conv. Total (cfs)	56.5	Conv. (cfs)		56.5	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		33.64	
Min Ch El (ft)	7064.70	Shear (lb/sq ft)		0.19	
Alpha	1.00	Stream Power (lb/ft s)		0.29	
Frctn Loss (ft)	0.42	Cum Volume (acre-ft)		0.23	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.30	0.01

Errors Warnings and Notes

Warning:	Divided flow computed for this cross-section.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2660.00* Profile: Q002

E.G. Elev (ft)	7064.56	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.040	
W.S. Elev (ft)	7064.51	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		4.81	
E.G. Slope (ft/ft)	0.022887	Area (sq ft)		4.81	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	30.44	Top Width (ft)		30.44	
Vel Total (ft/s)	1.64	Avg. Vel. (ft/s)		1.64	
Max Chl Dpth (ft)	0.24	Hydr. Depth (ft)		0.16	
Conv. Total (cfs)	52.2	Conv. (cfs)		52.2	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		30.44	
Min Ch El (ft)	7064.27	Shear (lb/sq ft)		0.23	
Alpha	1.00	Stream Power (lb/ft s)		0.37	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2660.00* Profile: Q002 (Continued)

Frctn Loss (ft)	0.42	Cum Volume (acre-ft)		0.23	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.29	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2640.00* Profile: Q002

E.G. Elev (ft)	7064.14	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.040	
W.S. Elev (ft)	7064.10	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		4.95	
E.G. Slope (ft/ft)	0.019703	Area (sq ft)		4.95	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	29.17	Top Width (ft)		29.17	
Vel Total (ft/s)	1.60	Avg. Vel. (ft/s)		1.60	
Max Chl Dpth (ft)	0.27	Hydr. Depth (ft)		0.17	
Conv. Total (cfs)	56.3	Conv. (cfs)		56.3	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		29.18	
Min Ch El (ft)	7063.83	Shear (lb/sq ft)		0.21	
Alpha	1.00	Stream Power (lb/ft s)		0.33	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		0.23	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.27	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2620.00* Profile: Q002

E.G. Elev (ft)	7063.71	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.040	
W.S. Elev (ft)	7063.66	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		4.53	
E.G. Slope (ft/ft)	0.024076	Area (sq ft)		4.53	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	27.22	Top Width (ft)		27.22	
Vel Total (ft/s)	1.74	Avg. Vel. (ft/s)		1.74	
Max Chl Dpth (ft)	0.26	Hydr. Depth (ft)		0.17	
Conv. Total (cfs)	50.9	Conv. (cfs)		50.9	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		27.22	
Min Ch El (ft)	7063.40	Shear (lb/sq ft)		0.25	
Alpha	1.00	Stream Power (lb/ft s)		0.44	
Frctn Loss (ft)	0.41	Cum Volume (acre-ft)		0.22	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.26	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2600.00* Profile: Q002

E.G. Elev (ft)	7063.30	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.040	
W.S. Elev (ft)	7063.26	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		4.97	
E.G. Slope (ft/ft)	0.017848	Area (sq ft)		4.97	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	27.43	Top Width (ft)		27.43	
Vel Total (ft/s)	1.59	Avg. Vel. (ft/s)		1.59	
Max Chl Dpth (ft)	0.29	Hydr. Depth (ft)		0.18	
Conv. Total (cfs)	59.1	Conv. (cfs)		59.1	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		27.44	
Min Ch El (ft)	7062.97	Shear (lb/sq ft)		0.20	
Alpha	1.00	Stream Power (lb/ft s)		0.32	
Frctn Loss (ft)	0.40	Cum Volume (acre-ft)		0.22	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.25	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2580.00* Profile: Q002

E.G. Elev (ft)	7062.90	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7062.87	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		6.27	
E.G. Slope (ft/ft)	0.022261	Area (sq ft)		6.27	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	57.74	Top Width (ft)		57.74	
Vel Total (ft/s)	1.26	Avg. Vel. (ft/s)		1.26	
Max Chl Dpth (ft)	0.34	Hydr. Depth (ft)		0.11	
Conv. Total (cfs)	52.9	Conv. (cfs)		52.9	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		57.75	
Min Ch El (ft)	7062.53	Shear (lb/sq ft)		0.15	
Alpha	1.00	Stream Power (lb/ft s)		0.19	
Frctn Loss (ft)	0.42	Cum Volume (acre-ft)		0.22	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.23	0.01

Errors Warnings and Notes

Warning:	Divided flow computed for this cross-section.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2560.00* Profile: Q002

E.G. Elev (ft)	7062.47	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7062.44	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		6.17	
E.G. Slope (ft/ft)	0.020035	Area (sq ft)		6.17	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	51.44	Top Width (ft)		51.44	
Vel Total (ft/s)	1.28	Avg. Vel. (ft/s)		1.28	
Max Chl Dpth (ft)	0.34	Hydr. Depth (ft)		0.12	
Conv. Total (cfs)	55.8	Conv. (cfs)		55.8	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		51.45	
Min Ch El (ft)	7062.10	Shear (lb/sq ft)		0.15	
Alpha	1.00	Stream Power (lb/ft s)		0.19	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		0.22	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.20	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2540.00* Profile: Q002

E.G. Elev (ft)	7062.04	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7062.00	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		5.38	
E.G. Slope (ft/ft)	0.022811	Area (sq ft)		5.38	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	40.17	Top Width (ft)		40.17	
Vel Total (ft/s)	1.47	Avg. Vel. (ft/s)		1.47	
Max Chl Dpth (ft)	0.33	Hydr. Depth (ft)		0.13	
Conv. Total (cfs)	52.3	Conv. (cfs)		52.3	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		40.18	
Min Ch El (ft)	7061.67	Shear (lb/sq ft)		0.19	
Alpha	1.00	Stream Power (lb/ft s)		0.28	
Frctn Loss (ft)	0.41	Cum Volume (acre-ft)		0.21	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.18	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2520.00* Profile: Q002

E.G. Elev (ft)	7061.62	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7061.59	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		5.31	
E.G. Slope (ft/ft)	0.018317	Area (sq ft)		5.31	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	33.01	Top Width (ft)		33.01	
Vel Total (ft/s)	1.49	Avg. Vel. (ft/s)		1.49	
Max Chl Dpth (ft)	0.36	Hydr. Depth (ft)		0.16	
Conv. Total (cfs)	58.4	Conv. (cfs)		58.4	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		33.02	
Min Ch El (ft)	7061.23	Shear (lb/sq ft)		0.18	
Alpha	1.00	Stream Power (lb/ft s)		0.27	
Frctn Loss (ft)	0.42	Cum Volume (acre-ft)		0.21	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.17	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2500 Profile: Q002

E.G. Elev (ft)	7061.21	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.040	
W.S. Elev (ft)	7061.16	Reach Len. (ft)	28.67	29.00	29.33
Crit W.S. (ft)		Flow Area (sq ft)		4.29	
E.G. Slope (ft/ft)	0.024192	Area (sq ft)		4.29	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	23.89	Top Width (ft)		23.89	
Vel Total (ft/s)	1.84	Avg. Vel. (ft/s)		1.84	
Max Chl Dpth (ft)	0.36	Hydr. Depth (ft)		0.18	
Conv. Total (cfs)	50.8	Conv. (cfs)		50.8	
Length Wtd. (ft)	29.00	Wetted Per. (ft)		23.90	
Min Ch El (ft)	7060.80	Shear (lb/sq ft)		0.27	
Alpha	1.00	Stream Power (lb/ft s)		0.50	
Frctn Loss (ft)	0.65	Cum Volume (acre-ft)		0.21	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.15	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2471.00* Profile: Q002

E.G. Elev (ft)	7060.56	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.040	0.000
W.S. Elev (ft)	7060.52	Reach Len. (ft)	28.67	29.00	29.33
Crit W.S. (ft)		Flow Area (sq ft)		4.46	0.00
E.G. Slope (ft/ft)	0.020779	Area (sq ft)		4.46	0.00
Q Total (cfs)	7.90	Flow (cfs)		7.90	0.00
Top Width (ft)	23.50	Top Width (ft)		23.43	0.07
Vel Total (ft/s)	1.77	Avg. Vel. (ft/s)		1.77	0.12
Max Chl Dpth (ft)	0.36	Hydr. Depth (ft)		0.19	0.01
Conv. Total (cfs)	54.8	Conv. (cfs)		54.8	0.0
Length Wtd. (ft)	29.00	Wetted Per. (ft)		23.44	0.07
Min Ch El (ft)	7060.15	Shear (lb/sq ft)		0.25	
Alpha	1.00	Stream Power (lb/ft s)		0.44	
Frctn Loss (ft)	0.65	Cum Volume (acre-ft)		0.21	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.14	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2442.00* Profile: Q002

E.G. Elev (ft)	7059.91	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.06	Wt. n-Val.		0.040	0.000
W.S. Elev (ft)	7059.85	Reach Len. (ft)	28.67	29.00	29.33
Crit W.S. (ft)		Flow Area (sq ft)		4.04	0.00
E.G. Slope (ft/ft)	0.024245	Area (sq ft)		4.04	0.00
Q Total (cfs)	7.90	Flow (cfs)		7.90	0.00
Top Width (ft)	20.76	Top Width (ft)		20.58	0.18
Vel Total (ft/s)	1.95	Avg. Vel. (ft/s)		1.95	0.27
Max Chl Dpth (ft)	0.35	Hydr. Depth (ft)		0.20	0.02
Conv. Total (cfs)	50.7	Conv. (cfs)		50.7	0.0
Length Wtd. (ft)	29.00	Wetted Per. (ft)		20.59	0.19
Min Ch El (ft)	7059.50	Shear (lb/sq ft)		0.30	
Alpha	1.00	Stream Power (lb/ft s)		0.58	
Frctn Loss (ft)	0.65	Cum Volume (acre-ft)		0.20	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.12	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2413.00* Profile: Q002

E.G. Elev (ft)	7059.26	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.06	Wt. n-Val.		0.040	0.069
W.S. Elev (ft)	7059.20	Reach Len. (ft)	28.67	29.00	29.33
Crit W.S. (ft)		Flow Area (sq ft)		4.05	0.02
E.G. Slope (ft/ft)	0.020476	Area (sq ft)		4.05	0.02
Q Total (cfs)	7.90	Flow (cfs)		7.89	0.01
Top Width (ft)	18.56	Top Width (ft)		18.19	0.36
Vel Total (ft/s)	1.94	Avg. Vel. (ft/s)		1.95	0.42
Max Chl Dpth (ft)	0.35	Hydr. Depth (ft)		0.22	0.05
Conv. Total (cfs)	55.2	Conv. (cfs)		55.2	0.1
Length Wtd. (ft)	29.00	Wetted Per. (ft)		18.21	0.38
Min Ch El (ft)	7058.85	Shear (lb/sq ft)		0.28	0.06
Alpha	1.01	Stream Power (lb/ft s)		0.55	0.03
Frctn Loss (ft)	0.65	Cum Volume (acre-ft)		0.20	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.11	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2384.00* Profile: Q002

E.G. Elev (ft)	7058.61	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.07	Wt. n-Val.		0.040	0.069
W.S. Elev (ft)	7058.54	Reach Len. (ft)	28.67	29.00	29.33
Crit W.S. (ft)		Flow Area (sq ft)		3.61	0.03
E.G. Slope (ft/ft)	0.024265	Area (sq ft)		3.61	0.03
Q Total (cfs)	7.90	Flow (cfs)		7.88	0.02
Top Width (ft)	16.02	Top Width (ft)		15.58	0.43
Vel Total (ft/s)	2.17	Avg. Vel. (ft/s)		2.18	0.55
Max Chl Dpth (ft)	0.34	Hydr. Depth (ft)		0.23	0.07
Conv. Total (cfs)	50.7	Conv. (cfs)		50.6	0.1
Length Wtd. (ft)	29.00	Wetted Per. (ft)		15.60	0.46
Min Ch El (ft)	7058.20	Shear (lb/sq ft)		0.35	0.10
Alpha	1.01	Stream Power (lb/ft s)		0.77	0.06
Frctn Loss (ft)	0.63	Cum Volume (acre-ft)		0.20	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.10	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2355.00* Profile: Q002

E.G. Elev (ft)	7057.99	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.06	Wt. n-Val.		0.040	0.069
W.S. Elev (ft)	7057.93	Reach Len. (ft)	28.67	29.00	29.33
Crit W.S. (ft)		Flow Area (sq ft)		3.85	0.07
E.G. Slope (ft/ft)	0.019338	Area (sq ft)		3.85	0.07
Q Total (cfs)	7.90	Flow (cfs)		7.85	0.05
Top Width (ft)	16.11	Top Width (ft)		15.48	0.62
Vel Total (ft/s)	2.02	Avg. Vel. (ft/s)		2.04	0.68
Max Chl Dpth (ft)	0.38	Hydr. Depth (ft)		0.25	0.11
Conv. Total (cfs)	56.8	Conv. (cfs)		56.5	0.3
Length Wtd. (ft)	29.00	Wetted Per. (ft)		15.50	0.66
Min Ch El (ft)	7057.55	Shear (lb/sq ft)		0.30	0.13
Alpha	1.02	Stream Power (lb/ft s)		0.61	0.09
Frctn Loss (ft)	0.63	Cum Volume (acre-ft)		0.19	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.09	0.01

Errors Warnings and Notes

Warning: Divided flow computed for this cross-section.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2326 Profile: Q002

E.G. Elev (ft)	7057.36	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.07	Wt. n-Val.		0.040	0.069
W.S. Elev (ft)	7057.29	Reach Len. (ft)	21.60	27.80	28.00
Crit W.S. (ft)		Flow Area (sq ft)		3.71	0.10
E.G. Slope (ft/ft)	0.024555	Area (sq ft)		3.71	0.10
Q Total (cfs)	7.90	Flow (cfs)		7.81	0.09
Top Width (ft)	17.76	Top Width (ft)		17.05	0.70
Vel Total (ft/s)	2.07	Avg. Vel. (ft/s)		2.10	0.89
Max Chl Dpth (ft)	0.39	Hydr. Depth (ft)		0.22	0.15
Conv. Total (cfs)	50.4	Conv. (cfs)		49.8	0.6
Length Wtd. (ft)	27.80	Wetted Per. (ft)		17.08	0.76
Min Ch El (ft)	7056.90	Shear (lb/sq ft)		0.33	0.21
Alpha	1.02	Stream Power (lb/ft s)		0.70	0.18
Frctn Loss (ft)	0.58	Cum Volume (acre-ft)		0.19	0.00
C & E Loss (ft)	0.01	Cum SA (acres)		1.08	0.01

Errors Warnings and Notes

Warning: Divided flow computed for this cross-section.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2298.20* Profile: Q002

E.G. Elev (ft)	7056.77	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.040	0.069
W.S. Elev (ft)	7056.72	Reach Len. (ft)	21.60	27.80	28.00
Crit W.S. (ft)		Flow Area (sq ft)		4.28	0.16
E.G. Slope (ft/ft)	0.018113	Area (sq ft)		4.28	0.16
Q Total (cfs)	7.90	Flow (cfs)		7.77	0.13
Top Width (ft)	20.57	Top Width (ft)		19.50	1.07
Vel Total (ft/s)	1.78	Avg. Vel. (ft/s)		1.82	0.80
Max Chl Dpth (ft)	0.40	Hydr. Depth (ft)		0.22	0.15
Conv. Total (cfs)	58.7	Conv. (cfs)		57.7	1.0
Length Wtd. (ft)	27.80	Wetted Per. (ft)		19.52	1.11
Min Ch El (ft)	7056.32	Shear (lb/sq ft)		0.25	0.16
Alpha	1.03	Stream Power (lb/ft s)		0.45	0.13

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2298.20* Profile: Q002 (Continued)

Frctn Loss (ft)	0.62	Cum Volume (acre-ft)		0.19	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.07	0.01

Errors Warnings and Notes

Warning:	Divided flow computed for this cross-section.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2270.40* Profile: Q002

E.G. Elev (ft)	7056.16	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.07	Wt. n-Val.		0.040	0.069
W.S. Elev (ft)	7056.08	Reach Len. (ft)	21.60	27.80	28.00
Crit W.S. (ft)		Flow Area (sq ft)		3.56	0.15
E.G. Slope (ft/ft)	0.028179	Area (sq ft)		3.56	0.15
Q Total (cfs)	7.90	Flow (cfs)		7.77	0.13
Top Width (ft)	18.44	Top Width (ft)		17.19	1.25
Vel Total (ft/s)	2.13	Avg. Vel. (ft/s)		2.18	0.88
Max Chl Dpth (ft)	0.34	Hydr. Depth (ft)		0.21	0.12
Conv. Total (cfs)	47.1	Conv. (cfs)		46.3	0.8
Length Wtd. (ft)	27.80	Wetted Per. (ft)		17.20	1.27
Min Ch El (ft)	7055.74	Shear (lb/sq ft)		0.36	0.21
Alpha	1.04	Stream Power (lb/ft s)		0.79	0.19
Frctn Loss (ft)	0.55	Cum Volume (acre-ft)		0.19	0.00
C & E Loss (ft)	0.01	Cum SA (acres)		1.05	0.01

Errors Warnings and Notes

Warning:	Divided flow computed for this cross-section.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2242.60* Profile: Q002

E.G. Elev (ft)	7055.58	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.040	0.069
W.S. Elev (ft)	7055.55	Reach Len. (ft)	21.60	27.80	28.00
Crit W.S. (ft)		Flow Area (sq ft)		5.01	0.31
E.G. Slope (ft/ft)	0.014706	Area (sq ft)		5.01	0.31
Q Total (cfs)	7.90	Flow (cfs)		7.68	0.22
Top Width (ft)	27.42	Top Width (ft)		25.27	2.16
Vel Total (ft/s)	1.48	Avg. Vel. (ft/s)		1.53	0.71
Max Chl Dpth (ft)	0.39	Hydr. Depth (ft)		0.20	0.14
Conv. Total (cfs)	65.1	Conv. (cfs)		63.3	1.8
Length Wtd. (ft)	27.80	Wetted Per. (ft)		25.28	2.18
Min Ch El (ft)	7055.16	Shear (lb/sq ft)		0.18	0.13
Alpha	1.04	Stream Power (lb/ft s)		0.28	0.09
Frctn Loss (ft)	0.64	Cum Volume (acre-ft)		0.18	0.00
C & E Loss (ft)	0.01	Cum SA (acres)		1.04	0.00

Errors Warnings and Notes

Warning:	Divided flow computed for this cross-section.
Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2214.80* Profile: Q002

E.G. Elev (ft)	7054.94	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.040	0.069
W.S. Elev (ft)	7054.85	Reach Len. (ft)	21.60	27.80	28.00
Crit W.S. (ft)	7054.84	Flow Area (sq ft)		3.11	0.16

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2214.80* Profile: Q002 (Continued)

E.G. Slope (ft/ft)	0.041265	Area (sq ft)		3.11	0.16
Q Total (cfs)	7.90	Flow (cfs)		7.77	0.13
Top Width (ft)	18.19	Top Width (ft)		16.30	1.90
Vel Total (ft/s)	2.42	Avg. Vel. (ft/s)		2.50	0.84
Max Chl Dpth (ft)	0.27	Hydr. Depth (ft)		0.19	0.08
Conv. Total (cfs)	38.9	Conv. (cfs)		38.2	0.7
Length Wtd. (ft)	27.80	Wetted Per. (ft)		16.30	1.90
Min Ch EI (ft)	7054.58	Shear (lb/sq ft)		0.49	0.21
Alpha	1.05	Stream Power (lb/ft s)		1.23	0.18
Frctn Loss (ft)	0.62	Cum Volume (acre-ft)		0.18	0.00
C & E Loss (ft)	0.02	Cum SA (acres)		1.03	0.00

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2187 Profile: Q002

E.G. Elev (ft)	7054.30	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	0.069
W.S. Elev (ft)	7054.28	Reach Len. (ft)	30.40	28.40	26.60
Crit W.S. (ft)		Flow Area (sq ft)		5.73	0.29
E.G. Slope (ft/ft)	0.014073	Area (sq ft)		5.73	0.29
Q Total (cfs)	7.90	Flow (cfs)		7.75	0.15
Top Width (ft)	36.88	Top Width (ft)		33.62	3.26
Vel Total (ft/s)	1.31	Avg. Vel. (ft/s)		1.35	0.51
Max Chl Dpth (ft)	0.28	Hydr. Depth (ft)		0.17	0.09
Conv. Total (cfs)	66.6	Conv. (cfs)		65.4	1.2
Length Wtd. (ft)	28.38	Wetted Per. (ft)		33.62	3.27
Min Ch EI (ft)	7054.00	Shear (lb/sq ft)		0.15	0.08
Alpha	1.05	Stream Power (lb/ft s)		0.20	0.04
Frctn Loss (ft)	0.41	Cum Volume (acre-ft)		0.18	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.01	0.00

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2158.60* Profile: Q002

E.G. Elev (ft)	7053.91	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	0.069
W.S. Elev (ft)	7053.88	Reach Len. (ft)	30.40	28.40	26.60
Crit W.S. (ft)		Flow Area (sq ft)		5.89	0.04
E.G. Slope (ft/ft)	0.014485	Area (sq ft)		5.89	0.04
Q Total (cfs)	7.90	Flow (cfs)		7.89	0.01
Top Width (ft)	36.62	Top Width (ft)		35.88	0.73
Vel Total (ft/s)	1.33	Avg. Vel. (ft/s)		1.34	0.37
Max Chl Dpth (ft)	0.28	Hydr. Depth (ft)		0.16	0.05
Conv. Total (cfs)	65.6	Conv. (cfs)		65.5	0.1
Length Wtd. (ft)	28.40	Wetted Per. (ft)		35.89	0.74
Min Ch EI (ft)	7053.60	Shear (lb/sq ft)		0.15	0.05
Alpha	1.01	Stream Power (lb/ft s)		0.20	0.02
Frctn Loss (ft)	0.38	Cum Volume (acre-ft)		0.18	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		0.99	0.00

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2130.20* Profile: Q002

E.G. Elev (ft)	7053.53	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	0.069
W.S. Elev (ft)	7053.51	Reach Len. (ft)	30.40	28.40	26.60
Crit W.S. (ft)		Flow Area (sq ft)		6.52	0.01
E.G. Slope (ft/ft)	0.012459	Area (sq ft)		6.52	0.01
Q Total (cfs)	7.90	Flow (cfs)		7.90	0.00
Top Width (ft)	41.62	Top Width (ft)		41.34	0.28
Vel Total (ft/s)	1.21	Avg. Vel. (ft/s)		1.21	0.22
Max Chl Dpth (ft)	0.31	Hydr. Depth (ft)		0.16	0.03
Conv. Total (cfs)	70.8	Conv. (cfs)		70.8	0.0
Length Wtd. (ft)	28.40	Wetted Per. (ft)		41.34	0.29
Min Ch El (ft)	7053.20	Shear (lb/sq ft)		0.12	0.02
Alpha	1.00	Stream Power (lb/ft s)		0.15	0.00
Frctn Loss (ft)	0.39	Cum Volume (acre-ft)		0.17	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		0.96	0.00

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2101.80* Profile: Q002

E.G. Elev (ft)	7053.15	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7053.13	Reach Len. (ft)	30.40	28.40	26.60
Crit W.S. (ft)		Flow Area (sq ft)		6.37	
E.G. Slope (ft/ft)	0.014932	Area (sq ft)		6.37	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	44.56	Top Width (ft)		44.56	
Vel Total (ft/s)	1.24	Avg. Vel. (ft/s)		1.24	
Max Chl Dpth (ft)	0.33	Hydr. Depth (ft)		0.14	
Conv. Total (cfs)	64.7	Conv. (cfs)		64.7	
Length Wtd. (ft)	28.40	Wetted Per. (ft)		44.56	
Min Ch El (ft)	7052.80	Shear (lb/sq ft)		0.13	
Alpha	1.00	Stream Power (lb/ft s)		0.17	
Frctn Loss (ft)	0.37	Cum Volume (acre-ft)		0.17	
C & E Loss (ft)	0.00	Cum SA (acres)		0.93	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2073.40* Profile: Q002

E.G. Elev (ft)	7052.78	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7052.76	Reach Len. (ft)	30.40	28.40	26.60
Crit W.S. (ft)		Flow Area (sq ft)		6.79	
E.G. Slope (ft/ft)	0.011512	Area (sq ft)		6.79	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	43.06	Top Width (ft)		43.06	
Vel Total (ft/s)	1.16	Avg. Vel. (ft/s)		1.16	
Max Chl Dpth (ft)	0.36	Hydr. Depth (ft)		0.16	
Conv. Total (cfs)	73.6	Conv. (cfs)		73.6	
Length Wtd. (ft)	28.40	Wetted Per. (ft)		43.07	
Min Ch El (ft)	7052.40	Shear (lb/sq ft)		0.11	
Alpha	1.00	Stream Power (lb/ft s)		0.13	
Frctn Loss (ft)	0.39	Cum Volume (acre-ft)		0.16	
C & E Loss (ft)	0.00	Cum SA (acres)		0.91	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2045 Profile: Q002

E.G. Elev (ft)	7052.39	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7052.36	Reach Len. (ft)	35.80	29.20	28.80
Crit W.S. (ft)		Flow Area (sq ft)		5.57	
E.G. Slope (ft/ft)	0.017135	Area (sq ft)		5.57	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	35.35	Top Width (ft)		35.35	
Vel Total (ft/s)	1.42	Avg. Vel. (ft/s)		1.42	
Max Chl Dpth (ft)	0.35	Hydr. Depth (ft)		0.16	
Conv. Total (cfs)	60.4	Conv. (cfs)		60.4	
Length Wtd. (ft)	29.20	Wetted Per. (ft)		35.36	
Min Ch El (ft)	7052.00	Shear (lb/sq ft)		0.17	
Alpha	1.00	Stream Power (lb/ft s)		0.24	
Frctn Loss (ft)	0.55	Cum Volume (acre-ft)		0.16	
C & E Loss (ft)	0.00	Cum SA (acres)		0.88	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2015.80* Profile: Q002

E.G. Elev (ft)	7051.83	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.040	
W.S. Elev (ft)	7051.80	Reach Len. (ft)	35.80	29.20	28.80
Crit W.S. (ft)		Flow Area (sq ft)		5.18	
E.G. Slope (ft/ft)	0.020830	Area (sq ft)		5.18	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	34.12	Top Width (ft)		34.12	
Vel Total (ft/s)	1.53	Avg. Vel. (ft/s)		1.53	
Max Chl Dpth (ft)	0.33	Hydr. Depth (ft)		0.15	
Conv. Total (cfs)	54.7	Conv. (cfs)		54.7	
Length Wtd. (ft)	29.20	Wetted Per. (ft)		34.13	
Min Ch El (ft)	7051.46	Shear (lb/sq ft)		0.20	
Alpha	1.00	Stream Power (lb/ft s)		0.30	
Frctn Loss (ft)	0.54	Cum Volume (acre-ft)		0.15	
C & E Loss (ft)	0.00	Cum SA (acres)		0.86	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1986.60* Profile: Q002

E.G. Elev (ft)	7051.29	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7051.26	Reach Len. (ft)	35.80	29.20	28.80
Crit W.S. (ft)		Flow Area (sq ft)		5.63	
E.G. Slope (ft/ft)	0.016572	Area (sq ft)		5.63	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	35.40	Top Width (ft)		35.40	
Vel Total (ft/s)	1.40	Avg. Vel. (ft/s)		1.40	
Max Chl Dpth (ft)	0.34	Hydr. Depth (ft)		0.16	
Conv. Total (cfs)	61.4	Conv. (cfs)		61.4	
Length Wtd. (ft)	29.20	Wetted Per. (ft)		35.41	
Min Ch El (ft)	7050.92	Shear (lb/sq ft)		0.16	
Alpha	1.00	Stream Power (lb/ft s)		0.23	
Frctn Loss (ft)	0.55	Cum Volume (acre-ft)		0.15	
C & E Loss (ft)	0.00	Cum SA (acres)		0.83	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1957.40* Profile: Q002

E.G. Elev (ft)	7050.73	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.040	
W.S. Elev (ft)	7050.70	Reach Len. (ft)	35.80	29.20	28.80
Crit W.S. (ft)		Flow Area (sq ft)		5.12	
E.G. Slope (ft/ft)	0.021808	Area (sq ft)		5.12	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	34.31	Top Width (ft)		34.31	
Vel Total (ft/s)	1.54	Avg. Vel. (ft/s)		1.54	
Max Chl Dpth (ft)	0.32	Hydr. Depth (ft)		0.15	
Conv. Total (cfs)	53.5	Conv. (cfs)		53.5	
Length Wtd. (ft)	29.20	Wetted Per. (ft)		34.32	
Min Ch El (ft)	7050.38	Shear (lb/sq ft)		0.20	
Alpha	1.00	Stream Power (lb/ft s)		0.31	
Frctn Loss (ft)	0.52	Cum Volume (acre-ft)		0.15	
C & E Loss (ft)	0.00	Cum SA (acres)		0.81	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1928.20* Profile: Q002

E.G. Elev (ft)	7050.20	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7050.17	Reach Len. (ft)	35.80	29.20	28.80
Crit W.S. (ft)		Flow Area (sq ft)		5.84	
E.G. Slope (ft/ft)	0.015058	Area (sq ft)		5.84	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	36.08	Top Width (ft)		36.08	
Vel Total (ft/s)	1.35	Avg. Vel. (ft/s)		1.35	
Max Chl Dpth (ft)	0.33	Hydr. Depth (ft)		0.16	
Conv. Total (cfs)	64.4	Conv. (cfs)		64.4	
Length Wtd. (ft)	29.20	Wetted Per. (ft)		36.09	
Min Ch El (ft)	7049.84	Shear (lb/sq ft)		0.15	
Alpha	1.00	Stream Power (lb/ft s)		0.21	
Frctn Loss (ft)	0.56	Cum Volume (acre-ft)		0.14	
C & E Loss (ft)	0.00	Cum SA (acres)		0.79	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1899 Profile: Q002

E.G. Elev (ft)	7049.64	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.040	
W.S. Elev (ft)	7049.60	Reach Len. (ft)	45.67	43.00	43.67
Crit W.S. (ft)		Flow Area (sq ft)		4.91	
E.G. Slope (ft/ft)	0.024928	Area (sq ft)		4.91	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	34.19	Top Width (ft)		34.19	
Vel Total (ft/s)	1.61	Avg. Vel. (ft/s)		1.61	
Max Chl Dpth (ft)	0.30	Hydr. Depth (ft)		0.14	
Conv. Total (cfs)	50.0	Conv. (cfs)		50.0	
Length Wtd. (ft)	43.00	Wetted Per. (ft)		34.20	
Min Ch El (ft)	7049.30	Shear (lb/sq ft)		0.22	
Alpha	1.00	Stream Power (lb/ft s)		0.36	
Frctn Loss (ft)	0.94	Cum Volume (acre-ft)		0.14	
C & E Loss (ft)	0.00	Cum SA (acres)		0.76	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1856.00* Profile: Q002

E.G. Elev (ft)	7048.69	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7048.66	Reach Len. (ft)	45.67	43.00	43.67
Crit W.S. (ft)		Flow Area (sq ft)		5.31	
E.G. Slope (ft/ft)	0.019473	Area (sq ft)		5.31	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	34.58	Top Width (ft)		34.58	
Vel Total (ft/s)	1.49	Avg. Vel. (ft/s)		1.49	
Max Chl Dpth (ft)	0.29	Hydr. Depth (ft)		0.15	
Conv. Total (cfs)	56.6	Conv. (cfs)		56.6	
Length Wtd. (ft)	43.00	Wetted Per. (ft)		34.58	
Min Ch El (ft)	7048.37	Shear (lb/sq ft)		0.19	
Alpha	1.00	Stream Power (lb/ft s)		0.28	
Frctn Loss (ft)	0.98	Cum Volume (acre-ft)		0.14	
C & E Loss (ft)	0.00	Cum SA (acres)		0.73	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1813.00* Profile: Q002

E.G. Elev (ft)	7047.72	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.040	
W.S. Elev (ft)	7047.68	Reach Len. (ft)	45.67	43.00	43.67
Crit W.S. (ft)	7047.65	Flow Area (sq ft)		4.78	
E.G. Slope (ft/ft)	0.027019	Area (sq ft)		4.78	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	33.96	Top Width (ft)		33.96	
Vel Total (ft/s)	1.65	Avg. Vel. (ft/s)		1.65	
Max Chl Dpth (ft)	0.24	Hydr. Depth (ft)		0.14	
Conv. Total (cfs)	48.1	Conv. (cfs)		48.1	
Length Wtd. (ft)	43.00	Wetted Per. (ft)		33.97	
Min Ch El (ft)	7047.43	Shear (lb/sq ft)		0.24	
Alpha	1.00	Stream Power (lb/ft s)		0.39	
Frctn Loss (ft)	0.95	Cum Volume (acre-ft)		0.13	
C & E Loss (ft)	0.00	Cum SA (acres)		0.70	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1770 Profile: Q002

E.G. Elev (ft)	7046.76	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7046.73	Reach Len. (ft)	45.75	45.25	62.75
Crit W.S. (ft)		Flow Area (sq ft)		5.55	
E.G. Slope (ft/ft)	0.018386	Area (sq ft)		5.55	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	36.93	Top Width (ft)		36.93	
Vel Total (ft/s)	1.42	Avg. Vel. (ft/s)		1.42	
Max Chl Dpth (ft)	0.23	Hydr. Depth (ft)		0.15	
Conv. Total (cfs)	58.3	Conv. (cfs)		58.3	
Length Wtd. (ft)	45.25	Wetted Per. (ft)		36.93	
Min Ch El (ft)	7046.50	Shear (lb/sq ft)		0.17	
Alpha	1.00	Stream Power (lb/ft s)		0.25	
Frctn Loss (ft)	1.12	Cum Volume (acre-ft)		0.13	
C & E Loss (ft)	0.00	Cum SA (acres)		0.66	

Errors Warnings and Notes

Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1724.75* Profile: Q002

E.G. Elev (ft)	7045.63	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.040	
W.S. Elev (ft)	7045.58	Reach Len. (ft)	45.75	45.25	62.75
Crit W.S. (ft)	7045.57	Flow Area (sq ft)		4.48	
E.G. Slope (ft/ft)	0.035464	Area (sq ft)		4.48	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	35.45	Top Width (ft)		35.45	
Vel Total (ft/s)	1.76	Avg. Vel. (ft/s)		1.76	
Max Chl Dpth (ft)	0.20	Hydr. Depth (ft)		0.13	
Conv. Total (cfs)	41.9	Conv. (cfs)		41.9	
Length Wtd. (ft)	45.25	Wetted Per. (ft)		35.46	
Min Ch El (ft)	7045.38	Shear (lb/sq ft)		0.28	
Alpha	1.00	Stream Power (lb/ft s)		0.49	
Frctn Loss (ft)	1.08	Cum Volume (acre-ft)		0.12	
C & E Loss (ft)	0.01	Cum SA (acres)		0.62	

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1679.50* Profile: Q002

E.G. Elev (ft)	7044.54	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7044.51	Reach Len. (ft)	45.75	45.25	62.75
Crit W.S. (ft)		Flow Area (sq ft)		5.75	
E.G. Slope (ft/ft)	0.017181	Area (sq ft)		5.75	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	38.28	Top Width (ft)		38.28	
Vel Total (ft/s)	1.38	Avg. Vel. (ft/s)		1.38	
Max Chl Dpth (ft)	0.26	Hydr. Depth (ft)		0.15	
Conv. Total (cfs)	60.3	Conv. (cfs)		60.3	
Length Wtd. (ft)	45.25	Wetted Per. (ft)		38.28	
Min Ch El (ft)	7044.25	Shear (lb/sq ft)		0.16	
Alpha	1.00	Stream Power (lb/ft s)		0.22	
Frctn Loss (ft)	1.13	Cum Volume (acre-ft)		0.11	
C & E Loss (ft)	0.00	Cum SA (acres)		0.58	

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1634.25* Profile: Q002

E.G. Elev (ft)	7043.40	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.040	
W.S. Elev (ft)	7043.35	Reach Len. (ft)	45.75	45.25	62.75
Crit W.S. (ft)	7043.34	Flow Area (sq ft)		4.31	
E.G. Slope (ft/ft)	0.039957	Area (sq ft)		4.31	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	35.23	Top Width (ft)		35.23	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1634.25* Profile: Q002 (Continued)

Vel Total (ft/s)	1.83	Avg. Vel. (ft/s)		1.83	
Max Chl Dpth (ft)	0.23	Hydr. Depth (ft)		0.12	
Conv. Total (cfs)	39.5	Conv. (cfs)		39.5	
Length Wtd. (ft)	45.25	Wetted Per. (ft)		35.23	
Min Ch EI (ft)	7043.12	Shear (lb/sq ft)		0.31	
Alpha	1.00	Stream Power (lb/ft s)		0.56	
Frctn Loss (ft)	1.04	Cum Volume (acre-ft)		0.11	
C & E Loss (ft)	0.01	Cum SA (acres)		0.55	

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1589 Profile: Q002

E.G. Elev (ft)	7042.36	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7042.33	Reach Len. (ft)	32.43	33.57	31.14
Crit W.S. (ft)		Flow Area (sq ft)		8.24	
E.G. Slope (ft/ft)	0.016992	Area (sq ft)		8.24	
Q Total (cfs)	12.00	Flow (cfs)		12.00	
Top Width (ft)	49.91	Top Width (ft)		49.91	
Vel Total (ft/s)	1.46	Avg. Vel. (ft/s)		1.46	
Max Chl Dpth (ft)	0.33	Hydr. Depth (ft)		0.17	
Conv. Total (cfs)	92.1	Conv. (cfs)		92.1	
Length Wtd. (ft)	33.57	Wetted Per. (ft)		49.91	
Min Ch EI (ft)	7042.00	Shear (lb/sq ft)		0.18	
Alpha	1.00	Stream Power (lb/ft s)		0.26	
Frctn Loss (ft)	0.59	Cum Volume (acre-ft)		0.10	
C & E Loss (ft)	0.00	Cum SA (acres)		0.50	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1555.43* Profile: Q002

E.G. Elev (ft)	7041.77	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.040	
W.S. Elev (ft)	7041.74	Reach Len. (ft)	32.43	33.57	31.14
Crit W.S. (ft)		Flow Area (sq ft)		7.82	
E.G. Slope (ft/ft)	0.017983	Area (sq ft)		7.82	
Q Total (cfs)	12.00	Flow (cfs)		12.00	
Top Width (ft)	45.67	Top Width (ft)		45.67	
Vel Total (ft/s)	1.54	Avg. Vel. (ft/s)		1.54	
Max Chl Dpth (ft)	0.34	Hydr. Depth (ft)		0.17	
Conv. Total (cfs)	89.5	Conv. (cfs)		89.5	
Length Wtd. (ft)	33.57	Wetted Per. (ft)		45.67	
Min Ch EI (ft)	7041.39	Shear (lb/sq ft)		0.19	
Alpha	1.00	Stream Power (lb/ft s)		0.29	
Frctn Loss (ft)	0.60	Cum Volume (acre-ft)		0.10	
C & E Loss (ft)	0.00	Cum SA (acres)		0.47	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1521.86* Profile: Q002

E.G. Elev (ft)	7041.18	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.040	
W.S. Elev (ft)	7041.14	Reach Len. (ft)	32.43	33.57	31.14
Crit W.S. (ft)		Flow Area (sq ft)		7.60	
E.G. Slope (ft/ft)	0.017644	Area (sq ft)		7.60	
Q Total (cfs)	12.00	Flow (cfs)		12.00	
Top Width (ft)	42.04	Top Width (ft)		42.04	
Vel Total (ft/s)	1.58	Avg. Vel. (ft/s)		1.58	
Max Chl Dpth (ft)	0.37	Hydr. Depth (ft)		0.18	
Conv. Total (cfs)	90.3	Conv. (cfs)		90.3	
Length Wtd. (ft)	33.57	Wetted Per. (ft)		42.05	
Min Ch El (ft)	7040.77	Shear (lb/sq ft)		0.20	
Alpha	1.00	Stream Power (lb/ft s)		0.31	
Frctn Loss (ft)	0.59	Cum Volume (acre-ft)		0.09	
C & E Loss (ft)	0.00	Cum SA (acres)		0.43	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1488.29* Profile: Q002

E.G. Elev (ft)	7040.59	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.040	
W.S. Elev (ft)	7040.55	Reach Len. (ft)	32.43	33.57	31.14
Crit W.S. (ft)		Flow Area (sq ft)		7.39	
E.G. Slope (ft/ft)	0.017477	Area (sq ft)		7.39	
Q Total (cfs)	12.00	Flow (cfs)		12.00	
Top Width (ft)	38.90	Top Width (ft)		38.90	
Vel Total (ft/s)	1.62	Avg. Vel. (ft/s)		1.62	
Max Chl Dpth (ft)	0.39	Hydr. Depth (ft)		0.19	
Conv. Total (cfs)	90.8	Conv. (cfs)		90.8	
Length Wtd. (ft)	33.57	Wetted Per. (ft)		38.91	
Min Ch El (ft)	7040.16	Shear (lb/sq ft)		0.21	
Alpha	1.00	Stream Power (lb/ft s)		0.34	
Frctn Loss (ft)	0.59	Cum Volume (acre-ft)		0.09	
C & E Loss (ft)	0.00	Cum SA (acres)		0.40	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1454.71* Profile: Q002

E.G. Elev (ft)	7040.01	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.040	
W.S. Elev (ft)	7039.96	Reach Len. (ft)	32.43	33.57	31.14
Crit W.S. (ft)		Flow Area (sq ft)		7.09	
E.G. Slope (ft/ft)	0.017822	Area (sq ft)		7.09	
Q Total (cfs)	12.00	Flow (cfs)		12.00	
Top Width (ft)	35.59	Top Width (ft)		35.59	
Vel Total (ft/s)	1.69	Avg. Vel. (ft/s)		1.69	
Max Chl Dpth (ft)	0.42	Hydr. Depth (ft)		0.20	
Conv. Total (cfs)	89.9	Conv. (cfs)		89.9	
Length Wtd. (ft)	33.57	Wetted Per. (ft)		35.60	
Min Ch El (ft)	7039.54	Shear (lb/sq ft)		0.22	
Alpha	1.00	Stream Power (lb/ft s)		0.38	
Frctn Loss (ft)	0.58	Cum Volume (acre-ft)		0.08	
C & E Loss (ft)	0.00	Cum SA (acres)		0.37	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1421.14* Profile: Q002

E.G. Elev (ft)	7039.43	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.040	
W.S. Elev (ft)	7039.38	Reach Len. (ft)	32.43	33.57	31.14
Crit W.S. (ft)		Flow Area (sq ft)		7.00	
E.G. Slope (ft/ft)	0.016958	Area (sq ft)		7.00	
Q Total (cfs)	12.00	Flow (cfs)		12.00	
Top Width (ft)	33.14	Top Width (ft)		33.14	
Vel Total (ft/s)	1.71	Avg. Vel. (ft/s)		1.71	
Max Chl Dpth (ft)	0.45	Hydr. Depth (ft)		0.21	
Conv. Total (cfs)	92.1	Conv. (cfs)		92.1	
Length Wtd. (ft)	33.57	Wetted Per. (ft)		33.16	
Min Ch El (ft)	7038.93	Shear (lb/sq ft)		0.22	
Alpha	1.00	Stream Power (lb/ft s)		0.38	
Frctn Loss (ft)	0.60	Cum Volume (acre-ft)		0.07	
C & E Loss (ft)	0.00	Cum SA (acres)		0.35	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1387.57* Profile: Q002

E.G. Elev (ft)	7038.84	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.040	
W.S. Elev (ft)	7038.78	Reach Len. (ft)	32.43	33.57	31.14
Crit W.S. (ft)		Flow Area (sq ft)		6.48	
E.G. Slope (ft/ft)	0.018854	Area (sq ft)		6.48	
Q Total (cfs)	12.00	Flow (cfs)		12.00	
Top Width (ft)	29.63	Top Width (ft)		29.63	
Vel Total (ft/s)	1.85	Avg. Vel. (ft/s)		1.85	
Max Chl Dpth (ft)	0.47	Hydr. Depth (ft)		0.22	
Conv. Total (cfs)	87.4	Conv. (cfs)		87.4	
Length Wtd. (ft)	33.57	Wetted Per. (ft)		29.65	
Min Ch El (ft)	7038.31	Shear (lb/sq ft)		0.26	
Alpha	1.00	Stream Power (lb/ft s)		0.48	
Frctn Loss (ft)	0.58	Cum Volume (acre-ft)		0.07	
C & E Loss (ft)	0.00	Cum SA (acres)		0.32	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1354 Profile: Q002

E.G. Elev (ft)	7038.27	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.040	
W.S. Elev (ft)	7038.22	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)		Flow Area (sq ft)		6.75	
E.G. Slope (ft/ft)	0.015681	Area (sq ft)		6.75	
Q Total (cfs)	12.00	Flow (cfs)		12.00	
Top Width (ft)	28.49	Top Width (ft)		28.49	
Vel Total (ft/s)	1.78	Avg. Vel. (ft/s)		1.78	
Max Chl Dpth (ft)	0.52	Hydr. Depth (ft)		0.24	
Conv. Total (cfs)	95.8	Conv. (cfs)		95.8	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		28.52	
Min Ch El (ft)	7037.70	Shear (lb/sq ft)		0.23	
Alpha	1.00	Stream Power (lb/ft s)		0.41	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		0.06	
C & E Loss (ft)	0.00	Cum SA (acres)		0.30	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1335.88* Profile: Q002

E.G. Elev (ft)	7038.00	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.040	
W.S. Elev (ft)	7037.95	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)		Flow Area (sq ft)		7.19	
E.G. Slope (ft/ft)	0.014586	Area (sq ft)		7.19	
Q Total (cfs)	12.00	Flow (cfs)		12.00	
Top Width (ft)	31.66	Top Width (ft)		31.66	
Vel Total (ft/s)	1.67	Avg. Vel. (ft/s)		1.67	
Max Chl Dpth (ft)	0.49	Hydr. Depth (ft)		0.23	
Conv. Total (cfs)	99.4	Conv. (cfs)		99.4	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		31.69	
Min Ch El (ft)	7037.46	Shear (lb/sq ft)		0.21	
Alpha	1.00	Stream Power (lb/ft s)		0.34	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		0.06	
C & E Loss (ft)	0.00	Cum SA (acres)		0.29	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1317.75* Profile: Q002

E.G. Elev (ft)	7037.73	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.040	
W.S. Elev (ft)	7037.68	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)		Flow Area (sq ft)		7.35	
E.G. Slope (ft/ft)	0.015136	Area (sq ft)		7.35	
Q Total (cfs)	12.00	Flow (cfs)		12.00	
Top Width (ft)	34.39	Top Width (ft)		34.39	
Vel Total (ft/s)	1.63	Avg. Vel. (ft/s)		1.63	
Max Chl Dpth (ft)	0.45	Hydr. Depth (ft)		0.21	
Conv. Total (cfs)	97.5	Conv. (cfs)		97.5	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		34.41	
Min Ch El (ft)	7037.23	Shear (lb/sq ft)		0.20	
Alpha	1.00	Stream Power (lb/ft s)		0.33	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		0.06	
C & E Loss (ft)	0.00	Cum SA (acres)		0.27	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1299.63* Profile: Q002

E.G. Elev (ft)	7037.45	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.040	
W.S. Elev (ft)	7037.41	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)		Flow Area (sq ft)		7.69	
E.G. Slope (ft/ft)	0.014952	Area (sq ft)		7.69	
Q Total (cfs)	12.00	Flow (cfs)		12.00	
Top Width (ft)	38.22	Top Width (ft)		38.22	
Vel Total (ft/s)	1.56	Avg. Vel. (ft/s)		1.56	
Max Chl Dpth (ft)	0.42	Hydr. Depth (ft)		0.20	
Conv. Total (cfs)	98.1	Conv. (cfs)		98.1	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		38.24	
Min Ch El (ft)	7036.99	Shear (lb/sq ft)		0.19	
Alpha	1.00	Stream Power (lb/ft s)		0.29	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		0.05	
C & E Loss (ft)	0.00	Cum SA (acres)		0.26	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1281.50* Profile: Q002

E.G. Elev (ft)	7037.18	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7037.15	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)		Flow Area (sq ft)		8.01	
E.G. Slope (ft/ft)	0.014858	Area (sq ft)		8.01	
Q Total (cfs)	12.00	Flow (cfs)		12.00	
Top Width (ft)	42.10	Top Width (ft)		42.10	
Vel Total (ft/s)	1.50	Avg. Vel. (ft/s)		1.50	
Max Chl Dpth (ft)	0.40	Hydr. Depth (ft)		0.19	
Conv. Total (cfs)	98.4	Conv. (cfs)		98.4	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		42.11	
Min Ch El (ft)	7036.75	Shear (lb/sq ft)		0.18	
Alpha	1.00	Stream Power (lb/ft s)		0.26	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		0.05	
C & E Loss (ft)	0.00	Cum SA (acres)		0.24	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1263.38* Profile: Q002

E.G. Elev (ft)	7036.91	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7036.87	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)		Flow Area (sq ft)		8.28	
E.G. Slope (ft/ft)	0.015450	Area (sq ft)		8.28	
Q Total (cfs)	12.00	Flow (cfs)		12.00	
Top Width (ft)	47.05	Top Width (ft)		47.05	
Vel Total (ft/s)	1.45	Avg. Vel. (ft/s)		1.45	
Max Chl Dpth (ft)	0.36	Hydr. Depth (ft)		0.18	
Conv. Total (cfs)	96.5	Conv. (cfs)		96.5	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		47.06	
Min Ch El (ft)	7036.51	Shear (lb/sq ft)		0.17	
Alpha	1.00	Stream Power (lb/ft s)		0.25	
Frctn Loss (ft)	0.29	Cum Volume (acre-ft)		0.05	
C & E Loss (ft)	0.00	Cum SA (acres)		0.22	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1245.25* Profile: Q002

E.G. Elev (ft)	7036.63	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7036.60	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)		Flow Area (sq ft)		8.39	
E.G. Slope (ft/ft)	0.016071	Area (sq ft)		8.39	
Q Total (cfs)	12.00	Flow (cfs)		12.00	
Top Width (ft)	50.05	Top Width (ft)		50.05	
Vel Total (ft/s)	1.43	Avg. Vel. (ft/s)		1.43	
Max Chl Dpth (ft)	0.33	Hydr. Depth (ft)		0.17	
Conv. Total (cfs)	94.7	Conv. (cfs)		94.7	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		50.06	
Min Ch El (ft)	7036.27	Shear (lb/sq ft)		0.17	
Alpha	1.00	Stream Power (lb/ft s)		0.24	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)		0.04	
C & E Loss (ft)	0.00	Cum SA (acres)		0.20	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1227.13* Profile: Q002

E.G. Elev (ft)	7036.36	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7036.33	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)		Flow Area (sq ft)		9.03	
E.G. Slope (ft/ft)	0.014818	Area (sq ft)		9.03	
Q Total (cfs)	12.00	Flow (cfs)		12.00	
Top Width (ft)	56.60	Top Width (ft)		56.60	
Vel Total (ft/s)	1.33	Avg. Vel. (ft/s)		1.33	
Max Chl Dpth (ft)	0.29	Hydr. Depth (ft)		0.16	
Conv. Total (cfs)	98.6	Conv. (cfs)		98.6	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		56.60	
Min Ch El (ft)	7036.04	Shear (lb/sq ft)		0.15	
Alpha	1.00	Stream Power (lb/ft s)		0.20	
Frctn Loss (ft)	0.29	Cum Volume (acre-ft)		0.04	
C & E Loss (ft)	0.00	Cum SA (acres)		0.18	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1209 Profile: Q002

E.G. Elev (ft)	7036.07	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7036.04	Reach Len. (ft)	17.50	18.00	16.00
Crit W.S. (ft)		Flow Area (sq ft)		8.99	
E.G. Slope (ft/ft)	0.017534	Area (sq ft)		8.99	
Q Total (cfs)	12.00	Flow (cfs)		12.00	
Top Width (ft)	63.53	Top Width (ft)		63.53	
Vel Total (ft/s)	1.34	Avg. Vel. (ft/s)		1.34	
Max Chl Dpth (ft)	0.24	Hydr. Depth (ft)		0.14	
Conv. Total (cfs)	90.6	Conv. (cfs)		90.6	
Length Wtd. (ft)	18.00	Wetted Per. (ft)		63.55	
Min Ch El (ft)	7035.80	Shear (lb/sq ft)		0.15	
Alpha	1.00	Stream Power (lb/ft s)		0.21	
Frctn Loss (ft)	0.36	Cum Volume (acre-ft)		0.04	
C & E Loss (ft)	0.00	Cum SA (acres)		0.15	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1191.00* Profile: Q002

E.G. Elev (ft)	7035.71	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.06	Wt. n-Val.		0.040	
W.S. Elev (ft)	7035.64	Reach Len. (ft)	17.50	18.00	16.00
Crit W.S. (ft)		Flow Area (sq ft)		6.01	
E.G. Slope (ft/ft)	0.023626	Area (sq ft)		6.01	
Q Total (cfs)	12.00	Flow (cfs)		12.00	
Top Width (ft)	29.00	Top Width (ft)		29.00	
Vel Total (ft/s)	2.00	Avg. Vel. (ft/s)		2.00	
Max Chl Dpth (ft)	0.24	Hydr. Depth (ft)		0.21	
Conv. Total (cfs)	78.1	Conv. (cfs)		78.1	
Length Wtd. (ft)	18.00	Wetted Per. (ft)		29.01	
Min Ch El (ft)	7035.40	Shear (lb/sq ft)		0.31	
Alpha	1.00	Stream Power (lb/ft s)		0.61	
Frctn Loss (ft)	0.42	Cum Volume (acre-ft)		0.03	
C & E Loss (ft)	0.01	Cum SA (acres)		0.14	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1173 Profile: Q002

E.G. Elev (ft)	7035.28	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.078	
W.S. Elev (ft)	7035.26	Reach Len. (ft)	24.50	25.50	25.00
Crit W.S. (ft)		Flow Area (sq ft)		10.46	
E.G. Slope (ft/ft)	0.022974	Area (sq ft)		10.46	
Q Total (cfs)	12.00	Flow (cfs)		12.00	
Top Width (ft)	41.70	Top Width (ft)		41.70	
Vel Total (ft/s)	1.15	Avg. Vel. (ft/s)		1.15	
Max Chl Dpth (ft)	0.25	Hydr. Depth (ft)		0.25	
Conv. Total (cfs)	79.2	Conv. (cfs)		79.2	
Length Wtd. (ft)	25.50	Wetted Per. (ft)		41.80	
Min Ch El (ft)	7035.00	Shear (lb/sq ft)		0.36	
Alpha	1.00	Stream Power (lb/ft s)		0.41	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		0.03	
C & E Loss (ft)	0.00	Cum SA (acres)		0.12	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1147.50* Profile: Q002

E.G. Elev (ft)	7034.85	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.078	
W.S. Elev (ft)	7034.83	Reach Len. (ft)	24.50	25.50	25.00
Crit W.S. (ft)		Flow Area (sq ft)		11.94	
E.G. Slope (ft/ft)	0.012787	Area (sq ft)		11.94	
Q Total (cfs)	12.00	Flow (cfs)		12.00	
Top Width (ft)	37.33	Top Width (ft)		37.33	
Vel Total (ft/s)	1.01	Avg. Vel. (ft/s)		1.01	
Max Chl Dpth (ft)	0.33	Hydr. Depth (ft)		0.32	
Conv. Total (cfs)	106.1	Conv. (cfs)		106.1	
Length Wtd. (ft)	25.50	Wetted Per. (ft)		37.43	
Min Ch El (ft)	7034.50	Shear (lb/sq ft)		0.25	
Alpha	1.00	Stream Power (lb/ft s)		0.26	
Frctn Loss (ft)	0.55	Cum Volume (acre-ft)		0.02	
C & E Loss (ft)	0.00	Cum SA (acres)		0.10	

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1122 Profile: Q002

E.G. Elev (ft)	7034.29	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.078	
W.S. Elev (ft)	7034.25	Reach Len. (ft)	22.00	24.00	21.00
Crit W.S. (ft)		Flow Area (sq ft)		7.72	
E.G. Slope (ft/ft)	0.044453	Area (sq ft)		7.72	
Q Total (cfs)	12.00	Flow (cfs)		12.00	
Top Width (ft)	31.99	Top Width (ft)		31.99	
Vel Total (ft/s)	1.55	Avg. Vel. (ft/s)		1.55	
Max Chl Dpth (ft)	0.25	Hydr. Depth (ft)		0.24	
Conv. Total (cfs)	56.9	Conv. (cfs)		56.9	
Length Wtd. (ft)	24.00	Wetted Per. (ft)		32.05	
Min Ch El (ft)	7034.00	Shear (lb/sq ft)		0.67	
Alpha	1.00	Stream Power (lb/ft s)		1.04	
Frctn Loss (ft)	1.29	Cum Volume (acre-ft)		0.02	
C & E Loss (ft)	0.00	Cum SA (acres)		0.08	

Errors Warnings and Notes

Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate
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Errors Warnings and Notes (Continued)

	the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1098 Profile: Q002

E.G. Elev (ft)	7032.99	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.078	
W.S. Elev (ft)	7032.94	Reach Len. (ft)	49.50	49.00	50.00
Crit W.S. (ft)		Flow Area (sq ft)		6.83	
E.G. Slope (ft/ft)	0.066768	Area (sq ft)		6.83	
Q Total (cfs)	12.00	Flow (cfs)		12.00	
Top Width (ft)	31.98	Top Width (ft)		31.98	
Vel Total (ft/s)	1.76	Avg. Vel. (ft/s)		1.76	
Max Chl Dpth (ft)	0.44	Hydr. Depth (ft)		0.21	
Conv. Total (cfs)	46.4	Conv. (cfs)		46.4	
Length Wtd. (ft)	49.00	Wetted Per. (ft)		32.06	
Min Ch El (ft)	7032.50	Shear (lb/sq ft)		0.89	
Alpha	1.00	Stream Power (lb/ft s)		1.56	
Frctn Loss (ft)	3.15	Cum Volume (acre-ft)		0.01	
C & E Loss (ft)	0.00	Cum SA (acres)		0.06	

Errors Warnings and Notes

Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate
	the need for additional cross sections.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1049.00* Profile: Q002

E.G. Elev (ft)	7029.84	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.06	Wt. n-Val.		0.078	
W.S. Elev (ft)	7029.78	Reach Len. (ft)	49.50	49.00	50.00
Crit W.S. (ft)	7029.70	Flow Area (sq ft)		5.97	
E.G. Slope (ft/ft)	0.062330	Area (sq ft)		5.97	
Q Total (cfs)	12.00	Flow (cfs)		12.00	
Top Width (ft)	21.63	Top Width (ft)		21.63	
Vel Total (ft/s)	2.01	Avg. Vel. (ft/s)		2.01	
Max Chl Dpth (ft)	0.33	Hydr. Depth (ft)		0.28	
Conv. Total (cfs)	48.1	Conv. (cfs)		48.1	
Length Wtd. (ft)	49.00	Wetted Per. (ft)		21.69	
Min Ch El (ft)	7029.45	Shear (lb/sq ft)		1.07	
Alpha	1.00	Stream Power (lb/ft s)		2.15	
Frctn Loss (ft)	3.16	Cum Volume (acre-ft)		0.01	
C & E Loss (ft)	0.00	Cum SA (acres)		0.03	

Errors Warnings and Notes

Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate
	the need for additional cross sections.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1000 Profile: Q002

E.G. Elev (ft)	7026.67	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.078	
W.S. Elev (ft)	7026.62	Reach Len. (ft)			
Crit W.S. (ft)	7026.57	Flow Area (sq ft)		6.82	
E.G. Slope (ft/ft)	0.066641	Area (sq ft)		6.82	
Q Total (cfs)	12.00	Flow (cfs)		12.00	
Top Width (ft)	31.77	Top Width (ft)		31.77	
Vel Total (ft/s)	1.76	Avg. Vel. (ft/s)		1.76	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1000 Profile: Q002 (Continued)

Max Chl Dpth (ft)	0.22	Hydr. Depth (ft)		0.21	
Conv. Total (cfs)	46.5	Conv. (cfs)		46.5	
Length Wtd. (ft)		Wetted Per. (ft)		31.82	
Min Ch El (ft)	7026.40	Shear (lb/sq ft)		0.89	
Alpha	1.00	Stream Power (lb/ft s)		1.57	
Frctn Loss (ft)		Cum Volume (acre-ft)			
C & E Loss (ft)		Cum SA (acres)			

DEVELOPED CONDITION

VELOCITY & SHEAR ANALYSIS

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5710 Profile: Q100

E.G. Elev (ft)	7127.59	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.46	Wt. n-Val.		0.068	
W.S. Elev (ft)	7127.13	Reach Len. (ft)	34.00	38.00	40.00
Crit W.S. (ft)	7127.13	Flow Area (sq ft)		32.77	
E.G. Slope (ft/ft)	0.073926	Area (sq ft)		32.77	
Q Total (cfs)	179.00	Flow (cfs)		179.00	
Top Width (ft)	36.37	Top Width (ft)		36.37	
Vel Total (ft/s)	5.46	Avg. Vel. (ft/s)		5.46	
Max Chl Dpth (ft)	1.63	Hydr. Depth (ft)		0.90	
Conv. Total (cfs)	658.3	Conv. (cfs)		658.3	
Length Wtd. (ft)	38.00	Wetted Per. (ft)		37.18	
Min Ch El (ft)	7125.50	Shear (lb/sq ft)		4.07	
Alpha	1.00	Stream Power (lb/ft s)		22.22	
Frctn Loss (ft)	0.78	Cum Volume (acre-ft)	0.00	5.61	0.04
C & E Loss (ft)	0.11	Cum SA (acres)	0.01	5.50	0.09

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning:	During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5672 Profile: Q100

E.G. Elev (ft)	7126.15	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.11	Wt. n-Val.	0.032	0.068	0.032
W.S. Elev (ft)	7126.04	Reach Len. (ft)	49.00	50.00	50.75
Crit W.S. (ft)	7125.18	Flow Area (sq ft)	0.00	66.45	0.01
E.G. Slope (ft/ft)	0.009487	Area (sq ft)	0.00	66.45	0.01
Q Total (cfs)	179.00	Flow (cfs)	0.00	179.00	0.00
Top Width (ft)	46.91	Top Width (ft)	0.18	46.30	0.43
Vel Total (ft/s)	2.69	Avg. Vel. (ft/s)	0.31	2.69	0.31
Max Chl Dpth (ft)	2.54	Hydr. Depth (ft)	0.02	1.44	0.02
Conv. Total (cfs)	1837.7	Conv. (cfs)	0.0	1837.7	0.0
Length Wtd. (ft)	50.00	Wetted Per. (ft)	0.18	46.66	0.43
Min Ch El (ft)	7123.50	Shear (lb/sq ft)	0.01	0.84	0.01
Alpha	1.00	Stream Power (lb/ft s)	0.00	2.27	0.00
Frctn Loss (ft)	0.48	Cum Volume (acre-ft)	0.00	5.57	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.01	5.47	0.09

Errors Warnings and Notes

Note:	Hydraulic jump has occurred between this cross section and the previous upstream section.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5622.00* Profile: Q100

E.G. Elev (ft)	7125.67	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.	0.032	0.068	0.032
W.S. Elev (ft)	7125.56	Reach Len. (ft)	49.00	50.00	50.75
Crit W.S. (ft)		Flow Area (sq ft)	0.01	64.80	0.01
E.G. Slope (ft/ft)	0.009559	Area (sq ft)	0.01	64.80	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5622.00* Profile: Q100 (Continued)

Q Total (cfs)	179.00	Flow (cfs)	0.00	178.99	0.00
Top Width (ft)	44.31	Top Width (ft)	0.23	43.72	0.36
Vel Total (ft/s)	2.76	Avg. Vel. (ft/s)	0.41	2.76	0.41
Max Chl Dpth (ft)	2.44	Hydr. Depth (ft)	0.03	1.48	0.03
Conv. Total (cfs)	1830.8	Conv. (cfs)	0.0	1830.7	0.0
Length Wtd. (ft)	50.00	Wetted Per. (ft)	0.24	44.08	0.36
Min Ch El (ft)	7123.12	Shear (lb/sq ft)	0.02	0.88	0.02
Alpha	1.00	Stream Power (lb/ft s)	0.01	2.42	0.01
Frctn Loss (ft)	0.49	Cum Volume (acre-ft)	0.00	5.50	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.01	5.41	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5572.00* Profile: Q100

E.G. Elev (ft)	7125.19	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.13	Wt. n-Val.	0.032	0.068	0.032
W.S. Elev (ft)	7125.06	Reach Len. (ft)	49.00	50.00	50.75
Crit W.S. (ft)		Flow Area (sq ft)	0.01	62.63	0.01
E.G. Slope (ft/ft)	0.009884	Area (sq ft)	0.01	62.63	0.01
Q Total (cfs)	179.00	Flow (cfs)	0.00	178.99	0.00
Top Width (ft)	41.63	Top Width (ft)	0.23	41.15	0.24
Vel Total (ft/s)	2.86	Avg. Vel. (ft/s)	0.45	2.86	0.45
Max Chl Dpth (ft)	2.31	Hydr. Depth (ft)	0.03	1.52	0.03
Conv. Total (cfs)	1800.5	Conv. (cfs)	0.0	1800.4	0.0
Length Wtd. (ft)	50.00	Wetted Per. (ft)	0.24	41.51	0.25
Min Ch El (ft)	7122.75	Shear (lb/sq ft)	0.02	0.93	0.02
Alpha	1.00	Stream Power (lb/ft s)	0.01	2.66	0.01
Frctn Loss (ft)	0.54	Cum Volume (acre-ft)	0.00	5.42	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.01	5.37	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5522.00* Profile: Q100

E.G. Elev (ft)	7124.64	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.15	Wt. n-Val.		0.068	
W.S. Elev (ft)	7124.49	Reach Len. (ft)	49.00	50.00	50.75
Crit W.S. (ft)		Flow Area (sq ft)		57.56	
E.G. Slope (ft/ft)	0.012016	Area (sq ft)		57.56	
Q Total (cfs)	179.00	Flow (cfs)		179.00	
Top Width (ft)	38.51	Top Width (ft)		38.51	
Vel Total (ft/s)	3.11	Avg. Vel. (ft/s)		3.11	
Max Chl Dpth (ft)	2.11	Hydr. Depth (ft)		1.49	
Conv. Total (cfs)	1633.0	Conv. (cfs)		1633.0	
Length Wtd. (ft)	50.00	Wetted Per. (ft)		38.90	
Min Ch El (ft)	7122.38	Shear (lb/sq ft)		1.11	
Alpha	1.00	Stream Power (lb/ft s)		3.45	
Frctn Loss (ft)	0.67	Cum Volume (acre-ft)	0.00	5.35	0.04
C & E Loss (ft)	0.01	Cum SA (acres)	0.01	5.32	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5472 Profile: Q100

E.G. Elev (ft)	7123.96	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.23	Wt. n-Val.		0.059	
W.S. Elev (ft)	7123.74	Reach Len. (ft)	32.51	32.74	32.51
Crit W.S. (ft)		Flow Area (sq ft)		46.79	
E.G. Slope (ft/ft)	0.015266	Area (sq ft)		46.79	
Q Total (cfs)	179.00	Flow (cfs)		179.00	
Top Width (ft)	33.89	Top Width (ft)		33.89	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5472 Profile: Q100 (Continued)

Vel Total (ft/s)	3.83	Avg. Vel. (ft/s)		3.83	
Max Chl Dpth (ft)	1.74	Hydr. Depth (ft)		1.38	
Conv. Total (cfs)	1448.7	Conv. (cfs)		1448.7	
Length Wtd. (ft)	32.74	Wetted Per. (ft)		34.32	
Min Ch El (ft)	7122.00	Shear (lb/sq ft)		1.30	
Alpha	1.00	Stream Power (lb/ft s)		4.97	
Frctn Loss (ft)	0.50	Cum Volume (acre-ft)	0.00	5.29	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.01	5.28	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5439.25* Profile: Q100

E.G. Elev (ft)	7123.46	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.23	Wt. n-Val.		0.059	
W.S. Elev (ft)	7123.24	Reach Len. (ft)	32.51	32.74	32.51
Crit W.S. (ft)		Flow Area (sq ft)		46.77	
E.G. Slope (ft/ft)	0.015282	Area (sq ft)		46.77	
Q Total (cfs)	179.00	Flow (cfs)		179.00	
Top Width (ft)	33.89	Top Width (ft)		33.89	
Vel Total (ft/s)	3.83	Avg. Vel. (ft/s)		3.83	
Max Chl Dpth (ft)	1.74	Hydr. Depth (ft)		1.38	
Conv. Total (cfs)	1448.0	Conv. (cfs)		1448.0	
Length Wtd. (ft)	32.74	Wetted Per. (ft)		34.31	
Min Ch El (ft)	7121.50	Shear (lb/sq ft)		1.30	
Alpha	1.00	Stream Power (lb/ft s)		4.98	
Frctn Loss (ft)	0.50	Cum Volume (acre-ft)	0.00	5.26	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.01	5.25	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5406.50* Profile: Q100

E.G. Elev (ft)	7122.97	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.23	Wt. n-Val.		0.059	
W.S. Elev (ft)	7122.74	Reach Len. (ft)	32.51	32.74	32.51
Crit W.S. (ft)		Flow Area (sq ft)		46.90	
E.G. Slope (ft/ft)	0.015158	Area (sq ft)		46.90	
Q Total (cfs)	179.00	Flow (cfs)		179.00	
Top Width (ft)	33.92	Top Width (ft)		33.92	
Vel Total (ft/s)	3.82	Avg. Vel. (ft/s)		3.82	
Max Chl Dpth (ft)	1.74	Hydr. Depth (ft)		1.38	
Conv. Total (cfs)	1453.9	Conv. (cfs)		1453.9	
Length Wtd. (ft)	32.74	Wetted Per. (ft)		34.35	
Min Ch El (ft)	7121.00	Shear (lb/sq ft)		1.29	
Alpha	1.00	Stream Power (lb/ft s)		4.93	
Frctn Loss (ft)	0.49	Cum Volume (acre-ft)	0.00	5.22	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.01	5.23	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5373.75* Profile: Q100

E.G. Elev (ft)	7122.48	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.22	Wt. n-Val.		0.059	
W.S. Elev (ft)	7122.25	Reach Len. (ft)	32.51	32.74	32.51
Crit W.S. (ft)		Flow Area (sq ft)		47.38	
E.G. Slope (ft/ft)	0.014717	Area (sq ft)		47.38	
Q Total (cfs)	179.00	Flow (cfs)		179.00	
Top Width (ft)	34.03	Top Width (ft)		34.03	
Vel Total (ft/s)	3.78	Avg. Vel. (ft/s)		3.78	
Max Chl Dpth (ft)	1.75	Hydr. Depth (ft)		1.39	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5373.75* Profile: Q100 (Continued)

Conv. Total (cfs)	1475.5	Conv. (cfs)		1475.5	
Length Wtd. (ft)	32.74	Wetted Per. (ft)		34.46	
Min Ch El (ft)	7120.50	Shear (lb/sq ft)		1.26	
Alpha	1.00	Stream Power (lb/ft s)		4.77	
Frctn Loss (ft)	0.65	Cum Volume (acre-ft)	0.00	5.19	0.04
C & E Loss (ft)	0.01	Cum SA (acres)	0.01	5.20	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5341 Profile: Q100

E.G. Elev (ft)	7121.81	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.35	Wt. n-Val.		0.059	
W.S. Elev (ft)	7121.46	Reach Len. (ft)	30.67	30.33	30.33
Crit W.S. (ft)		Flow Area (sq ft)		37.63	
E.G. Slope (ft/ft)	0.028753	Area (sq ft)		37.63	
Q Total (cfs)	179.00	Flow (cfs)		179.00	
Top Width (ft)	31.66	Top Width (ft)		31.66	
Vel Total (ft/s)	4.76	Avg. Vel. (ft/s)		4.76	
Max Chl Dpth (ft)	1.46	Hydr. Depth (ft)		1.19	
Conv. Total (cfs)	1055.6	Conv. (cfs)		1055.6	
Length Wtd. (ft)	30.33	Wetted Per. (ft)		32.01	
Min Ch El (ft)	7120.00	Shear (lb/sq ft)		2.11	
Alpha	1.00	Stream Power (lb/ft s)		10.04	
Frctn Loss (ft)	0.86	Cum Volume (acre-ft)	0.00	5.16	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.01	5.18	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5310.67* Profile: Q100

E.G. Elev (ft)	7120.94	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.35	Wt. n-Val.		0.059	
W.S. Elev (ft)	7120.59	Reach Len. (ft)	30.67	30.33	30.33
Crit W.S. (ft)		Flow Area (sq ft)		37.85	
E.G. Slope (ft/ft)	0.028275	Area (sq ft)		37.85	
Q Total (cfs)	179.00	Flow (cfs)		179.00	
Top Width (ft)	31.71	Top Width (ft)		31.71	
Vel Total (ft/s)	4.73	Avg. Vel. (ft/s)		4.73	
Max Chl Dpth (ft)	1.46	Hydr. Depth (ft)		1.19	
Conv. Total (cfs)	1064.5	Conv. (cfs)		1064.5	
Length Wtd. (ft)	30.33	Wetted Per. (ft)		32.07	
Min Ch El (ft)	7119.13	Shear (lb/sq ft)		2.08	
Alpha	1.00	Stream Power (lb/ft s)		9.85	
Frctn Loss (ft)	0.86	Cum Volume (acre-ft)	0.00	5.13	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.01	5.16	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5280.33* Profile: Q100

E.G. Elev (ft)	7120.08	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.35	Wt. n-Val.		0.059	
W.S. Elev (ft)	7119.73	Reach Len. (ft)	30.67	30.33	30.33
Crit W.S. (ft)		Flow Area (sq ft)		37.66	
E.G. Slope (ft/ft)	0.028684	Area (sq ft)		37.66	
Q Total (cfs)	179.00	Flow (cfs)		179.00	
Top Width (ft)	31.66	Top Width (ft)		31.66	
Vel Total (ft/s)	4.75	Avg. Vel. (ft/s)		4.75	
Max Chl Dpth (ft)	1.46	Hydr. Depth (ft)		1.19	
Conv. Total (cfs)	1056.9	Conv. (cfs)		1056.9	
Length Wtd. (ft)	30.33	Wetted Per. (ft)		32.02	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5280.33* Profile: Q100 (Continued)

Min Ch El (ft)	7118.27	Shear (lb/sq ft)		2.11	
Alpha	1.00	Stream Power (lb/ft s)		10.01	
Frctn Loss (ft)	0.87	Cum Volume (acre-ft)	0.00	5.10	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.01	5.13	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5250 Profile: Q100

E.G. Elev (ft)	7119.21	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.35	Wt. n-Val.		0.059	
W.S. Elev (ft)	7118.86	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)		Flow Area (sq ft)		37.66	
E.G. Slope (ft/ft)	0.028684	Area (sq ft)		37.66	
Q Total (cfs)	179.00	Flow (cfs)		179.00	
Top Width (ft)	31.66	Top Width (ft)		31.66	
Vel Total (ft/s)	4.75	Avg. Vel. (ft/s)		4.75	
Max Chl Dpth (ft)	1.46	Hydr. Depth (ft)		1.19	
Conv. Total (cfs)	1056.9	Conv. (cfs)		1056.9	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		32.02	
Min Ch El (ft)	7117.40	Shear (lb/sq ft)		2.11	
Alpha	1.00	Stream Power (lb/ft s)		10.01	
Frctn Loss (ft)	0.95	Cum Volume (acre-ft)	0.00	5.08	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.01	5.11	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5217.25* Profile: Q100

E.G. Elev (ft)	7118.26	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.36	Wt. n-Val.		0.059	
W.S. Elev (ft)	7117.90	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)		Flow Area (sq ft)		37.40	
E.G. Slope (ft/ft)	0.029277	Area (sq ft)		37.40	
Q Total (cfs)	179.00	Flow (cfs)		179.00	
Top Width (ft)	31.60	Top Width (ft)		31.60	
Vel Total (ft/s)	4.79	Avg. Vel. (ft/s)		4.79	
Max Chl Dpth (ft)	1.45	Hydr. Depth (ft)		1.18	
Conv. Total (cfs)	1046.1	Conv. (cfs)		1046.1	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		31.95	
Min Ch El (ft)	7116.45	Shear (lb/sq ft)		2.14	
Alpha	1.00	Stream Power (lb/ft s)		10.24	
Frctn Loss (ft)	0.95	Cum Volume (acre-ft)	0.00	5.05	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.01	5.09	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5184.50* Profile: Q100

E.G. Elev (ft)	7117.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.35	Wt. n-Val.		0.059	
W.S. Elev (ft)	7116.96	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)		Flow Area (sq ft)		37.60	
E.G. Slope (ft/ft)	0.028822	Area (sq ft)		37.60	
Q Total (cfs)	179.00	Flow (cfs)		179.00	
Top Width (ft)	31.65	Top Width (ft)		31.65	
Vel Total (ft/s)	4.76	Avg. Vel. (ft/s)		4.76	
Max Chl Dpth (ft)	1.46	Hydr. Depth (ft)		1.19	
Conv. Total (cfs)	1054.4	Conv. (cfs)		1054.4	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		32.01	
Min Ch El (ft)	7115.50	Shear (lb/sq ft)		2.11	
Alpha	1.00	Stream Power (lb/ft s)		10.06	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5184.50* Profile: Q100 (Continued)

Frctn Loss (ft)	0.95	Cum Volume (acre-ft)	0.00	5.02	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.01	5.06	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5151.75* Profile: Q100

E.G. Elev (ft)	7116.36	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.36	Wt. n-Val.		0.059	
W.S. Elev (ft)	7116.00	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)		Flow Area (sq ft)		37.44	
E.G. Slope (ft/ft)	0.029177	Area (sq ft)		37.44	
Q Total (cfs)	179.00	Flow (cfs)		179.00	
Top Width (ft)	31.60	Top Width (ft)		31.60	
Vel Total (ft/s)	4.78	Avg. Vel. (ft/s)		4.78	
Max Chl Dpth (ft)	1.45	Hydr. Depth (ft)		1.18	
Conv. Total (cfs)	1047.9	Conv. (cfs)		1047.9	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		31.96	
Min Ch EI (ft)	7114.55	Shear (lb/sq ft)		2.13	
Alpha	1.00	Stream Power (lb/ft s)		10.20	
Frctn Loss (ft)	0.95	Cum Volume (acre-ft)	0.00	4.99	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.01	5.04	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5119.00* Profile: Q100

E.G. Elev (ft)	7115.41	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.35	Wt. n-Val.		0.059	
W.S. Elev (ft)	7115.06	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)		Flow Area (sq ft)		37.57	
E.G. Slope (ft/ft)	0.028892	Area (sq ft)		37.57	
Q Total (cfs)	179.00	Flow (cfs)		179.00	
Top Width (ft)	31.64	Top Width (ft)		31.64	
Vel Total (ft/s)	4.76	Avg. Vel. (ft/s)		4.76	
Max Chl Dpth (ft)	1.46	Hydr. Depth (ft)		1.19	
Conv. Total (cfs)	1053.1	Conv. (cfs)		1053.1	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		32.00	
Min Ch EI (ft)	7113.60	Shear (lb/sq ft)		2.12	
Alpha	1.00	Stream Power (lb/ft s)		10.09	
Frctn Loss (ft)	0.95	Cum Volume (acre-ft)	0.00	4.96	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.01	5.02	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5086.25* Profile: Q100

E.G. Elev (ft)	7114.46	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.35	Wt. n-Val.		0.059	
W.S. Elev (ft)	7114.10	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)		Flow Area (sq ft)		37.48	
E.G. Slope (ft/ft)	0.029101	Area (sq ft)		37.48	
Q Total (cfs)	179.00	Flow (cfs)		179.00	
Top Width (ft)	31.62	Top Width (ft)		31.62	
Vel Total (ft/s)	4.78	Avg. Vel. (ft/s)		4.78	
Max Chl Dpth (ft)	1.45	Hydr. Depth (ft)		1.19	
Conv. Total (cfs)	1049.3	Conv. (cfs)		1049.3	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		31.97	
Min Ch EI (ft)	7112.65	Shear (lb/sq ft)		2.13	
Alpha	1.00	Stream Power (lb/ft s)		10.17	
Frctn Loss (ft)	0.95	Cum Volume (acre-ft)	0.00	4.94	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.01	4.99	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5053.50* Profile: Q100

E.G. Elev (ft)	7113.51	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.35	Wt. n-Val.		0.059	
W.S. Elev (ft)	7113.16	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)		Flow Area (sq ft)		37.56	
E.G. Slope (ft/ft)	0.028926	Area (sq ft)		37.56	
Q Total (cfs)	179.00	Flow (cfs)		179.00	
Top Width (ft)	31.64	Top Width (ft)		31.64	
Vel Total (ft/s)	4.77	Avg. Vel. (ft/s)		4.77	
Max Chl Dpth (ft)	1.45	Hydr. Depth (ft)		1.19	
Conv. Total (cfs)	1052.5	Conv. (cfs)		1052.5	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		31.99	
Min Ch El (ft)	7111.70	Shear (lb/sq ft)		2.12	
Alpha	1.00	Stream Power (lb/ft s)		10.10	
Frctn Loss (ft)	0.95	Cum Volume (acre-ft)	0.00	4.91	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.01	4.97	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5020.75* Profile: Q100

E.G. Elev (ft)	7112.56	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.35	Wt. n-Val.		0.059	
W.S. Elev (ft)	7112.20	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)		Flow Area (sq ft)		37.49	
E.G. Slope (ft/ft)	0.029066	Area (sq ft)		37.49	
Q Total (cfs)	179.00	Flow (cfs)		179.00	
Top Width (ft)	31.62	Top Width (ft)		31.62	
Vel Total (ft/s)	4.77	Avg. Vel. (ft/s)		4.77	
Max Chl Dpth (ft)	1.45	Hydr. Depth (ft)		1.19	
Conv. Total (cfs)	1049.9	Conv. (cfs)		1049.9	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		31.98	
Min Ch El (ft)	7110.75	Shear (lb/sq ft)		2.13	
Alpha	1.00	Stream Power (lb/ft s)		10.16	
Frctn Loss (ft)	0.94	Cum Volume (acre-ft)	0.00	4.88	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.01	4.94	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4988.00* Profile: Q100

E.G. Elev (ft)	7111.61	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.35	Wt. n-Val.		0.059	
W.S. Elev (ft)	7111.26	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)		Flow Area (sq ft)		37.71	
E.G. Slope (ft/ft)	0.028581	Area (sq ft)		37.71	
Q Total (cfs)	179.00	Flow (cfs)		179.00	
Top Width (ft)	31.68	Top Width (ft)		31.68	
Vel Total (ft/s)	4.75	Avg. Vel. (ft/s)		4.75	
Max Chl Dpth (ft)	1.46	Hydr. Depth (ft)		1.19	
Conv. Total (cfs)	1058.8	Conv. (cfs)		1058.8	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		32.04	
Min Ch El (ft)	7109.80	Shear (lb/sq ft)		2.10	
Alpha	1.00	Stream Power (lb/ft s)		9.97	
Frctn Loss (ft)	0.96	Cum Volume (acre-ft)	0.00	4.85	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.01	4.92	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4955.25* Profile: Q100

E.G. Elev (ft)	7110.65	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.36	Wt. n-Val.		0.059	
W.S. Elev (ft)	7110.29	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)		Flow Area (sq ft)		37.12	
E.G. Slope (ft/ft)	0.029932	Area (sq ft)		37.12	
Q Total (cfs)	179.00	Flow (cfs)		179.00	
Top Width (ft)	31.53	Top Width (ft)		31.53	
Vel Total (ft/s)	4.82	Avg. Vel. (ft/s)		4.82	
Max Chl Dpth (ft)	1.44	Hydr. Depth (ft)		1.18	
Conv. Total (cfs)	1034.6	Conv. (cfs)		1034.6	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		31.89	
Min Ch El (ft)	7108.85	Shear (lb/sq ft)		2.18	
Alpha	1.00	Stream Power (lb/ft s)		10.49	
Frctn Loss (ft)	0.92	Cum Volume (acre-ft)	0.00	4.82	0.04
C & E Loss (ft)	0.01	Cum SA (acres)	0.01	4.90	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4922.50* Profile: Q100

E.G. Elev (ft)	7109.72	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.33	Wt. n-Val.		0.059	
W.S. Elev (ft)	7109.39	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)		Flow Area (sq ft)		38.73	
E.G. Slope (ft/ft)	0.026426	Area (sq ft)		38.73	
Q Total (cfs)	179.00	Flow (cfs)		179.00	
Top Width (ft)	31.93	Top Width (ft)		31.93	
Vel Total (ft/s)	4.62	Avg. Vel. (ft/s)		4.62	
Max Chl Dpth (ft)	1.49	Hydr. Depth (ft)		1.21	
Conv. Total (cfs)	1101.1	Conv. (cfs)		1101.1	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		32.30	
Min Ch El (ft)	7107.90	Shear (lb/sq ft)		1.98	
Alpha	1.00	Stream Power (lb/ft s)		9.14	
Frctn Loss (ft)	0.98	Cum Volume (acre-ft)	0.00	4.80	0.04
C & E Loss (ft)	0.01	Cum SA (acres)	0.01	4.87	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4889.75* Profile: Q100

E.G. Elev (ft)	7108.73	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.40	Wt. n-Val.		0.059	
W.S. Elev (ft)	7108.33	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)		Flow Area (sq ft)		35.35	
E.G. Slope (ft/ft)	0.034537	Area (sq ft)		35.35	
Q Total (cfs)	179.00	Flow (cfs)		179.00	
Top Width (ft)	31.07	Top Width (ft)		31.07	
Vel Total (ft/s)	5.06	Avg. Vel. (ft/s)		5.06	
Max Chl Dpth (ft)	1.38	Hydr. Depth (ft)		1.14	
Conv. Total (cfs)	963.2	Conv. (cfs)		963.2	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		31.42	
Min Ch El (ft)	7106.95	Shear (lb/sq ft)		2.43	
Alpha	1.00	Stream Power (lb/ft s)		12.29	
Frctn Loss (ft)	0.60	Cum Volume (acre-ft)	0.00	4.77	0.04
C & E Loss (ft)	0.06	Cum SA (acres)	0.01	4.85	0.09

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4857 Profile: Q100

E.G. Elev (ft)	7108.07	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.19	Wt. n-Val.		0.059	
W.S. Elev (ft)	7107.88	Reach Len. (ft)	35.20	35.00	35.00
Crit W.S. (ft)		Flow Area (sq ft)		51.72	
E.G. Slope (ft/ft)	0.011436	Area (sq ft)		51.72	
Q Total (cfs)	179.00	Flow (cfs)		179.00	
Top Width (ft)	35.04	Top Width (ft)		35.04	
Vel Total (ft/s)	3.46	Avg. Vel. (ft/s)		3.46	
Max Chl Dpth (ft)	1.88	Hydr. Depth (ft)		1.48	
Conv. Total (cfs)	1673.9	Conv. (cfs)		1673.9	
Length Wtd. (ft)	35.00	Wetted Per. (ft)		35.50	
Min Ch El (ft)	7106.00	Shear (lb/sq ft)		1.04	
Alpha	1.00	Stream Power (lb/ft s)		3.60	
Frctn Loss (ft)	0.40	Cum Volume (acre-ft)	0.00	4.73	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.01	4.82	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4822.00* Profile: Q100

E.G. Elev (ft)	7107.67	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.19	Wt. n-Val.		0.059	
W.S. Elev (ft)	7107.48	Reach Len. (ft)	35.20	35.00	35.00
Crit W.S. (ft)		Flow Area (sq ft)		51.68	
E.G. Slope (ft/ft)	0.011457	Area (sq ft)		51.68	
Q Total (cfs)	179.00	Flow (cfs)		179.00	
Top Width (ft)	35.03	Top Width (ft)		35.03	
Vel Total (ft/s)	3.46	Avg. Vel. (ft/s)		3.46	
Max Chl Dpth (ft)	1.88	Hydr. Depth (ft)		1.48	
Conv. Total (cfs)	1672.3	Conv. (cfs)		1672.3	
Length Wtd. (ft)	35.00	Wetted Per. (ft)		35.49	
Min Ch El (ft)	7105.60	Shear (lb/sq ft)		1.04	
Alpha	1.00	Stream Power (lb/ft s)		3.61	
Frctn Loss (ft)	0.40	Cum Volume (acre-ft)	0.00	4.69	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.01	4.80	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4787.00* Profile: Q100

E.G. Elev (ft)	7107.26	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.19	Wt. n-Val.		0.059	
W.S. Elev (ft)	7107.08	Reach Len. (ft)	35.20	35.00	35.00
Crit W.S. (ft)		Flow Area (sq ft)		51.61	
E.G. Slope (ft/ft)	0.011501	Area (sq ft)		51.61	
Q Total (cfs)	179.00	Flow (cfs)		179.00	
Top Width (ft)	35.01	Top Width (ft)		35.01	
Vel Total (ft/s)	3.47	Avg. Vel. (ft/s)		3.47	
Max Chl Dpth (ft)	1.88	Hydr. Depth (ft)		1.47	
Conv. Total (cfs)	1669.1	Conv. (cfs)		1669.1	
Length Wtd. (ft)	35.00	Wetted Per. (ft)		35.47	
Min Ch El (ft)	7105.20	Shear (lb/sq ft)		1.04	
Alpha	1.00	Stream Power (lb/ft s)		3.62	
Frctn Loss (ft)	0.40	Cum Volume (acre-ft)	0.00	4.65	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.01	4.77	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4752.00* Profile: Q100

E.G. Elev (ft)	7106.86	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.19	Wt. n-Val.		0.059	
W.S. Elev (ft)	7106.67	Reach Len. (ft)	35.20	35.00	35.00
Crit W.S. (ft)		Flow Area (sq ft)		51.44	
E.G. Slope (ft/ft)	0.011611	Area (sq ft)		51.44	
Q Total (cfs)	179.00	Flow (cfs)		179.00	
Top Width (ft)	34.97	Top Width (ft)		34.97	
Vel Total (ft/s)	3.48	Avg. Vel. (ft/s)		3.48	
Max Chl Dpth (ft)	1.87	Hydr. Depth (ft)		1.47	
Conv. Total (cfs)	1661.2	Conv. (cfs)		1661.2	
Length Wtd. (ft)	35.00	Wetted Per. (ft)		35.43	
Min Ch El (ft)	7104.80	Shear (lb/sq ft)		1.05	
Alpha	1.00	Stream Power (lb/ft s)		3.66	
Frctn Loss (ft)	0.41	Cum Volume (acre-ft)	0.00	4.61	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.01	4.74	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4717.00* Profile: Q100

E.G. Elev (ft)	7106.44	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.19	Wt. n-Val.		0.059	
W.S. Elev (ft)	7106.25	Reach Len. (ft)	35.20	35.00	35.00
Crit W.S. (ft)		Flow Area (sq ft)		50.71	
E.G. Slope (ft/ft)	0.012101	Area (sq ft)		50.71	
Q Total (cfs)	179.00	Flow (cfs)		179.00	
Top Width (ft)	34.80	Top Width (ft)		34.80	
Vel Total (ft/s)	3.53	Avg. Vel. (ft/s)		3.53	
Max Chl Dpth (ft)	1.85	Hydr. Depth (ft)		1.46	
Conv. Total (cfs)	1627.2	Conv. (cfs)		1627.2	
Length Wtd. (ft)	35.00	Wetted Per. (ft)		35.26	
Min Ch El (ft)	7104.40	Shear (lb/sq ft)		1.09	
Alpha	1.00	Stream Power (lb/ft s)		3.84	
Frctn Loss (ft)	0.62	Cum Volume (acre-ft)	0.00	4.57	0.04
C & E Loss (ft)	0.02	Cum SA (acres)	0.01	4.71	0.09

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4682 Profile: Q100

E.G. Elev (ft)	7105.81	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.34	Wt. n-Val.		0.059	
W.S. Elev (ft)	7105.47	Reach Len. (ft)	28.50	28.50	28.50
Crit W.S. (ft)		Flow Area (sq ft)		38.02	
E.G. Slope (ft/ft)	0.027906	Area (sq ft)		38.02	
Q Total (cfs)	179.00	Flow (cfs)		179.00	
Top Width (ft)	31.75	Top Width (ft)		31.75	
Vel Total (ft/s)	4.71	Avg. Vel. (ft/s)		4.71	
Max Chl Dpth (ft)	1.47	Hydr. Depth (ft)		1.20	
Conv. Total (cfs)	1071.5	Conv. (cfs)		1071.5	
Length Wtd. (ft)	28.50	Wetted Per. (ft)		32.12	
Min Ch El (ft)	7104.00	Shear (lb/sq ft)		2.06	
Alpha	1.00	Stream Power (lb/ft s)		9.71	
Frctn Loss (ft)	0.67	Cum Volume (acre-ft)	0.00	4.53	0.04
C & E Loss (ft)	0.01	Cum SA (acres)	0.01	4.69	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4653.50* Profile: Q100

E.G. Elev (ft)	7105.13	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.30	Wt. n-Val.		0.059	
W.S. Elev (ft)	7104.84	Reach Len. (ft)	28.50	28.50	28.50
Crit W.S. (ft)		Flow Area (sq ft)		41.02	
E.G. Slope (ft/ft)	0.019902	Area (sq ft)		41.02	
Q Total (cfs)	179.00	Flow (cfs)		179.00	
Top Width (ft)	29.69	Top Width (ft)		29.69	
Vel Total (ft/s)	4.36	Avg. Vel. (ft/s)		4.36	
Max Chl Dpth (ft)	1.84	Hydr. Depth (ft)		1.38	
Conv. Total (cfs)	1268.8	Conv. (cfs)		1268.8	
Length Wtd. (ft)	28.50	Wetted Per. (ft)		30.14	
Min Ch El (ft)	7103.00	Shear (lb/sq ft)		1.69	
Alpha	1.00	Stream Power (lb/ft s)		7.38	
Frctn Loss (ft)	0.72	Cum Volume (acre-ft)	0.00	4.51	0.04
C & E Loss (ft)	0.02	Cum SA (acres)	0.01	4.67	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4625 Profile: Q100

E.G. Elev (ft)	7104.40	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.46	Wt. n-Val.		0.059	
W.S. Elev (ft)	7103.94	Reach Len. (ft)	24.67	25.00	24.33
Crit W.S. (ft)		Flow Area (sq ft)		34.47	
E.G. Slope (ft/ft)	0.032216	Area (sq ft)		34.47	
Q Total (cfs)	188.00	Flow (cfs)		188.00	
Top Width (ft)	25.52	Top Width (ft)		25.52	
Vel Total (ft/s)	5.45	Avg. Vel. (ft/s)		5.45	
Max Chl Dpth (ft)	1.94	Hydr. Depth (ft)		1.35	
Conv. Total (cfs)	1047.4	Conv. (cfs)		1047.4	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		26.00	
Min Ch El (ft)	7102.00	Shear (lb/sq ft)		2.67	
Alpha	1.00	Stream Power (lb/ft s)		14.54	
Frctn Loss (ft)	0.79	Cum Volume (acre-ft)	0.00	4.48	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.01	4.65	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4600.00* Profile: Q100

E.G. Elev (ft)	7103.61	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.45	Wt. n-Val.		0.059	
W.S. Elev (ft)	7103.16	Reach Len. (ft)	24.67	25.00	24.33
Crit W.S. (ft)		Flow Area (sq ft)		34.84	
E.G. Slope (ft/ft)	0.031268	Area (sq ft)		34.84	
Q Total (cfs)	188.00	Flow (cfs)		188.00	
Top Width (ft)	25.64	Top Width (ft)		25.64	
Vel Total (ft/s)	5.40	Avg. Vel. (ft/s)		5.40	
Max Chl Dpth (ft)	1.96	Hydr. Depth (ft)		1.36	
Conv. Total (cfs)	1063.2	Conv. (cfs)		1063.2	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		26.12	
Min Ch El (ft)	7101.20	Shear (lb/sq ft)		2.60	
Alpha	1.00	Stream Power (lb/ft s)		14.05	
Frctn Loss (ft)	0.81	Cum Volume (acre-ft)	0.00	4.46	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.01	4.63	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4575.00* Profile: Q100

E.G. Elev (ft)	7102.80	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.47	Wt. n-Val.		0.059	
W.S. Elev (ft)	7102.32	Reach Len. (ft)	24.67	25.00	24.33
Crit W.S. (ft)		Flow Area (sq ft)		34.03	
E.G. Slope (ft/ft)	0.033367	Area (sq ft)		34.03	
Q Total (cfs)	188.00	Flow (cfs)		188.00	
Top Width (ft)	25.39	Top Width (ft)		25.39	
Vel Total (ft/s)	5.52	Avg. Vel. (ft/s)		5.52	
Max Chl Dpth (ft)	1.92	Hydr. Depth (ft)		1.34	
Conv. Total (cfs)	1029.2	Conv. (cfs)		1029.2	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		25.86	
Min Ch El (ft)	7100.40	Shear (lb/sq ft)		2.74	
Alpha	1.00	Stream Power (lb/ft s)		15.14	
Frctn Loss (ft)	0.74	Cum Volume (acre-ft)	0.00	4.44	0.04
C & E Loss (ft)	0.02	Cum SA (acres)	0.01	4.62	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4550 Profile: Q100

E.G. Elev (ft)	7102.04	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.40	Wt. n-Val.	0.000	0.059	0.000
W.S. Elev (ft)	7101.63	Reach Len. (ft)	33.50	25.00	18.00
Crit W.S. (ft)		Flow Area (sq ft)	0.00	36.88	0.00
E.G. Slope (ft/ft)	0.026365	Area (sq ft)	0.00	36.88	0.00
Q Total (cfs)	188.00	Flow (cfs)	0.00	188.00	0.00
Top Width (ft)	26.28	Top Width (ft)	0.14	26.00	0.14
Vel Total (ft/s)	5.10	Avg. Vel. (ft/s)	0.49	5.10	0.49
Max Chl Dpth (ft)	2.03	Hydr. Depth (ft)	0.02	1.42	0.02
Conv. Total (cfs)	1157.8	Conv. (cfs)	0.0	1157.8	0.0
Length Wtd. (ft)	25.00	Wetted Per. (ft)	0.14	26.49	0.14
Min Ch El (ft)	7099.60	Shear (lb/sq ft)		2.29	
Alpha	1.00	Stream Power (lb/ft s)		11.68	
Frctn Loss (ft)	0.61	Cum Volume (acre-ft)	0.00	4.42	0.04
C & E Loss (ft)	0.01	Cum SA (acres)	0.01	4.60	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4525.00* Profile: Q100

E.G. Elev (ft)	7101.42	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.37	Wt. n-Val.	0.032	0.059	0.032
W.S. Elev (ft)	7101.05	Reach Len. (ft)	33.50	25.00	18.00
Crit W.S. (ft)		Flow Area (sq ft)	0.02	38.46	0.02
E.G. Slope (ft/ft)	0.022903	Area (sq ft)	0.02	38.46	0.02
Q Total (cfs)	188.00	Flow (cfs)	0.02	187.97	0.02
Top Width (ft)	26.78	Top Width (ft)	0.39	26.00	0.39
Vel Total (ft/s)	4.88	Avg. Vel. (ft/s)	0.90	4.89	0.90
Max Chl Dpth (ft)	2.09	Hydr. Depth (ft)	0.05	1.48	0.05
Conv. Total (cfs)	1242.3	Conv. (cfs)	0.1	1242.0	0.1
Length Wtd. (ft)	25.00	Wetted Per. (ft)	0.40	26.49	0.40
Min Ch El (ft)	7098.95	Shear (lb/sq ft)	0.07	2.08	0.07
Alpha	1.00	Stream Power (lb/ft s)	0.06	10.14	0.06
Frctn Loss (ft)	0.38	Cum Volume (acre-ft)	0.00	4.40	0.04
C & E Loss (ft)	0.04	Cum SA (acres)	0.01	4.59	0.09

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4500 Profile: Q100

E.G. Elev (ft)	7101.00	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.23	Wt. n-Val.	0.032	0.059	0.032
W.S. Elev (ft)	7100.76	Reach Len. (ft)	28.00	28.00	28.00
Crit W.S. (ft)		Flow Area (sq ft)	0.44	48.07	0.44
E.G. Slope (ft/ft)	0.010711	Area (sq ft)	0.44	48.07	0.44
Q Total (cfs)	188.00	Flow (cfs)	0.79	186.42	0.79
Top Width (ft)	29.82	Top Width (ft)	1.91	26.00	1.91
Vel Total (ft/s)	3.84	Avg. Vel. (ft/s)	1.78	3.88	1.78
Max Chl Dpth (ft)	2.46	Hydr. Depth (ft)	0.23	1.85	0.23
Conv. Total (cfs)	1816.5	Conv. (cfs)	7.6	1801.2	7.6
Length Wtd. (ft)	28.00	Wetted Per. (ft)	1.97	26.49	1.96
Min Ch El (ft)	7098.30	Shear (lb/sq ft)	0.15	1.21	0.15
Alpha	1.01	Stream Power (lb/ft s)	0.27	4.71	0.27
Frctn Loss (ft)	0.30	Cum Volume (acre-ft)	0.00	4.38	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.01	4.57	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4472.00* Profile: Q100

E.G. Elev (ft)	7100.70	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.23	Wt. n-Val.	0.032	0.059	0.032
W.S. Elev (ft)	7100.46	Reach Len. (ft)	28.00	28.00	28.00
Crit W.S. (ft)		Flow Area (sq ft)	0.44	48.07	0.44
E.G. Slope (ft/ft)	0.010711	Area (sq ft)	0.44	48.07	0.44
Q Total (cfs)	188.00	Flow (cfs)	0.79	186.42	0.79
Top Width (ft)	29.82	Top Width (ft)	1.91	26.00	1.91
Vel Total (ft/s)	3.84	Avg. Vel. (ft/s)	1.78	3.88	1.78
Max Chl Dpth (ft)	2.46	Hydr. Depth (ft)	0.23	1.85	0.23
Conv. Total (cfs)	1816.5	Conv. (cfs)	7.6	1801.2	7.6
Length Wtd. (ft)	28.00	Wetted Per. (ft)	1.97	26.49	1.96
Min Ch El (ft)	7098.00	Shear (lb/sq ft)	0.15	1.21	0.15
Alpha	1.01	Stream Power (lb/ft s)	0.27	4.71	0.27
Frctn Loss (ft)	0.30	Cum Volume (acre-ft)	0.00	4.35	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.01	4.56	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4444.00* Profile: Q100

E.G. Elev (ft)	7100.40	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.23	Wt. n-Val.	0.032	0.059	0.032
W.S. Elev (ft)	7100.16	Reach Len. (ft)	28.00	28.00	28.00
Crit W.S. (ft)		Flow Area (sq ft)	0.45	48.06	0.44
E.G. Slope (ft/ft)	0.010720	Area (sq ft)	0.45	48.06	0.44
Q Total (cfs)	188.00	Flow (cfs)	0.79	186.42	0.79
Top Width (ft)	29.84	Top Width (ft)	1.92	26.00	1.91
Vel Total (ft/s)	3.84	Avg. Vel. (ft/s)	1.78	3.88	1.78
Max Chl Dpth (ft)	2.46	Hydr. Depth (ft)	0.23	1.85	0.23
Conv. Total (cfs)	1815.7	Conv. (cfs)	7.7	1800.4	7.6
Length Wtd. (ft)	28.00	Wetted Per. (ft)	1.98	26.49	1.97
Min Ch El (ft)	7097.70	Shear (lb/sq ft)	0.15	1.21	0.15
Alpha	1.01	Stream Power (lb/ft s)	0.27	4.71	0.27
Frctn Loss (ft)	0.30	Cum Volume (acre-ft)	0.00	4.31	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.01	4.54	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4416.00* Profile: Q100

E.G. Elev (ft)	7100.10	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.23	Wt. n-Val.	0.032	0.059	0.032
W.S. Elev (ft)	7099.86	Reach Len. (ft)	28.00	28.00	28.00
Crit W.S. (ft)		Flow Area (sq ft)	0.45	48.07	0.45
E.G. Slope (ft/ft)	0.010710	Area (sq ft)	0.45	48.07	0.45
Q Total (cfs)	188.00	Flow (cfs)	0.80	186.41	0.79
Top Width (ft)	29.85	Top Width (ft)	1.93	26.00	1.92
Vel Total (ft/s)	3.84	Avg. Vel. (ft/s)	1.78	3.88	1.78
Max Chl Dpth (ft)	2.46	Hydr. Depth (ft)	0.23	1.85	0.23
Conv. Total (cfs)	1816.6	Conv. (cfs)	7.7	1801.2	7.7
Length Wtd. (ft)	28.00	Wetted Per. (ft)	1.98	26.49	1.98
Min Ch El (ft)	7097.40	Shear (lb/sq ft)	0.15	1.21	0.15
Alpha	1.01	Stream Power (lb/ft s)	0.27	4.70	0.27
Frctn Loss (ft)	0.30	Cum Volume (acre-ft)	0.00	4.28	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.01	4.52	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4388.00* Profile: Q100

E.G. Elev (ft)	7099.80	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.23	Wt. n-Val.	0.032	0.059	0.032
W.S. Elev (ft)	7099.56	Reach Len. (ft)	28.00	28.00	28.00
Crit W.S. (ft)		Flow Area (sq ft)	0.45	48.06	0.45
E.G. Slope (ft/ft)	0.010720	Area (sq ft)	0.45	48.06	0.45
Q Total (cfs)	188.00	Flow (cfs)	0.80	186.41	0.79
Top Width (ft)	29.85	Top Width (ft)	1.93	26.00	1.92
Vel Total (ft/s)	3.84	Avg. Vel. (ft/s)	1.78	3.88	1.78
Max Chl Dpth (ft)	2.46	Hydr. Depth (ft)	0.23	1.85	0.23
Conv. Total (cfs)	1815.8	Conv. (cfs)	7.7	1800.4	7.7
Length Wtd. (ft)	28.00	Wetted Per. (ft)	1.98	26.49	1.98
Min Ch El (ft)	7097.10	Shear (lb/sq ft)	0.15	1.21	0.15
Alpha	1.01	Stream Power (lb/ft s)	0.27	4.71	0.27
Frctn Loss (ft)	0.30	Cum Volume (acre-ft)	0.00	4.25	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.01	4.51	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4360.00* Profile: Q100

E.G. Elev (ft)	7099.50	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.23	Wt. n-Val.	0.032	0.059	0.032
W.S. Elev (ft)	7099.26	Reach Len. (ft)	28.00	28.00	28.00
Crit W.S. (ft)		Flow Area (sq ft)	0.45	48.05	0.45
E.G. Slope (ft/ft)	0.010729	Area (sq ft)	0.45	48.05	0.45
Q Total (cfs)	188.00	Flow (cfs)	0.80	186.41	0.79
Top Width (ft)	29.85	Top Width (ft)	1.93	26.00	1.93
Vel Total (ft/s)	3.84	Avg. Vel. (ft/s)	1.78	3.88	1.78
Max Chl Dpth (ft)	2.46	Hydr. Depth (ft)	0.23	1.85	0.23
Conv. Total (cfs)	1815.0	Conv. (cfs)	7.7	1799.6	7.7
Length Wtd. (ft)	28.00	Wetted Per. (ft)	1.98	26.49	1.98
Min Ch El (ft)	7096.80	Shear (lb/sq ft)	0.15	1.21	0.15
Alpha	1.01	Stream Power (lb/ft s)	0.27	4.71	0.27
Frctn Loss (ft)	0.30	Cum Volume (acre-ft)	0.00	4.22	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.01	4.49	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4332.00* Profile: Q100

E.G. Elev (ft)	7099.19	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.23	Wt. n-Val.	0.032	0.059	0.032
W.S. Elev (ft)	7098.96	Reach Len. (ft)	28.00	28.00	28.00
Crit W.S. (ft)		Flow Area (sq ft)	0.44	47.98	0.44
E.G. Slope (ft/ft)	0.010774	Area (sq ft)	0.44	47.98	0.44
Q Total (cfs)	188.00	Flow (cfs)	0.79	186.42	0.79
Top Width (ft)	29.84	Top Width (ft)	1.93	25.99	1.92
Vel Total (ft/s)	3.85	Avg. Vel. (ft/s)	1.78	3.89	1.78
Max Chl Dpth (ft)	2.46	Hydr. Depth (ft)	0.23	1.85	0.23
Conv. Total (cfs)	1811.2	Conv. (cfs)	7.6	1796.0	7.6
Length Wtd. (ft)	28.00	Wetted Per. (ft)	1.98	26.48	1.98
Min Ch El (ft)	7096.50	Shear (lb/sq ft)	0.15	1.22	0.15
Alpha	1.01	Stream Power (lb/ft s)	0.27	4.73	0.27
Frctn Loss (ft)	0.30	Cum Volume (acre-ft)	0.00	4.19	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.01	4.47	0.08

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4304.00* Profile: Q100

E.G. Elev (ft)	7098.89	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.23	Wt. n-Val.	0.032	0.059	0.032
W.S. Elev (ft)	7098.66	Reach Len. (ft)	28.00	28.00	28.00
Crit W.S. (ft)		Flow Area (sq ft)	0.44	47.87	0.44
E.G. Slope (ft/ft)	0.010868	Area (sq ft)	0.44	47.87	0.44
Q Total (cfs)	188.00	Flow (cfs)	0.77	186.45	0.77
Top Width (ft)	29.82	Top Width (ft)	1.91	26.00	1.91
Vel Total (ft/s)	3.86	Avg. Vel. (ft/s)	1.77	3.90	1.77
Max Chl Dpth (ft)	2.46	Hydr. Depth (ft)	0.23	1.84	0.23
Conv. Total (cfs)	1803.4	Conv. (cfs)	7.4	1788.6	7.4
Length Wtd. (ft)	28.00	Wetted Per. (ft)	1.96	26.49	1.96
Min Ch El (ft)	7096.20	Shear (lb/sq ft)	0.15	1.23	0.15
Alpha	1.01	Stream Power (lb/ft s)	0.27	4.78	0.27
Frctn Loss (ft)	0.40	Cum Volume (acre-ft)	0.00	4.16	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	4.46	0.08

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4276 Profile: Q100

E.G. Elev (ft)	7098.49	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.28	Wt. n-Val.	0.032	0.068	0.032
W.S. Elev (ft)	7098.21	Reach Len. (ft)	25.00	25.20	25.00
Crit W.S. (ft)		Flow Area (sq ft)	0.20	44.09	0.20
E.G. Slope (ft/ft)	0.019159	Area (sq ft)	0.20	44.09	0.20
Q Total (cfs)	188.00	Flow (cfs)	0.37	187.26	0.37
Top Width (ft)	28.61	Top Width (ft)	1.30	26.00	1.30
Vel Total (ft/s)	4.23	Avg. Vel. (ft/s)	1.82	4.25	1.82
Max Chl Dpth (ft)	2.31	Hydr. Depth (ft)	0.16	1.70	0.16
Conv. Total (cfs)	1358.2	Conv. (cfs)	2.7	1352.9	2.7
Length Wtd. (ft)	25.20	Wetted Per. (ft)	1.34	26.49	1.34
Min Ch El (ft)	7095.90	Shear (lb/sq ft)	0.18	1.99	0.18
Alpha	1.01	Stream Power (lb/ft s)	0.33	8.45	0.33
Frctn Loss (ft)	0.48	Cum Volume (acre-ft)	0.00	4.13	0.04
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	4.44	0.08

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4250.80* Profile: Q100

E.G. Elev (ft)	7098.01	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.26	Wt. n-Val.	0.032	0.068	0.032
W.S. Elev (ft)	7097.75	Reach Len. (ft)	25.00	25.20	25.00
Crit W.S. (ft)		Flow Area (sq ft)	0.09	45.85	0.09
E.G. Slope (ft/ft)	0.018620	Area (sq ft)	0.09	45.85	0.09
Q Total (cfs)	188.00	Flow (cfs)	0.12	187.75	0.12
Top Width (ft)	29.73	Top Width (ft)	0.86	28.00	0.86
Vel Total (ft/s)	4.08	Avg. Vel. (ft/s)	1.38	4.09	1.38
Max Chl Dpth (ft)	2.21	Hydr. Depth (ft)	0.10	1.64	0.10
Conv. Total (cfs)	1377.7	Conv. (cfs)	0.9	1375.9	0.9
Length Wtd. (ft)	25.20	Wetted Per. (ft)	0.89	28.49	0.89
Min Ch El (ft)	7095.54	Shear (lb/sq ft)	0.12	1.87	0.12
Alpha	1.00	Stream Power (lb/ft s)	0.16	7.66	0.16
Frctn Loss (ft)	0.46	Cum Volume (acre-ft)	0.00	4.10	0.04
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	4.42	0.08

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4225.60* Profile: Q100

E.G. Elev (ft)	7097.54	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.24	Wt. n-Val.	0.032	0.068	0.032
W.S. Elev (ft)	7097.30	Reach Len. (ft)	25.00	25.20	25.00
Crit W.S. (ft)		Flow Area (sq ft)	0.03	47.52	0.03
E.G. Slope (ft/ft)	0.018137	Area (sq ft)	0.03	47.52	0.03
Q Total (cfs)	188.00	Flow (cfs)	0.03	187.95	0.03
Top Width (ft)	30.95	Top Width (ft)	0.48	30.00	0.48
Vel Total (ft/s)	3.95	Avg. Vel. (ft/s)	0.93	3.96	0.93
Max Chl Dpth (ft)	2.12	Hydr. Depth (ft)	0.06	1.58	0.06
Conv. Total (cfs)	1396.0	Conv. (cfs)	0.2	1395.6	0.2
Length Wtd. (ft)	25.20	Wetted Per. (ft)	0.49	30.49	0.49
Min Ch El (ft)	7095.18	Shear (lb/sq ft)	0.06	1.76	0.06
Alpha	1.00	Stream Power (lb/ft s)	0.06	6.98	0.06
Frctn Loss (ft)	0.45	Cum Volume (acre-ft)	0.00	4.08	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	4.41	0.08

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4200.40* Profile: Q100

E.G. Elev (ft)	7097.09	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.23	Wt. n-Val.	0.000	0.068	0.000
W.S. Elev (ft)	7096.86	Reach Len. (ft)	25.00	25.20	25.00
Crit W.S. (ft)		Flow Area (sq ft)	0.00	49.25	0.00
E.G. Slope (ft/ft)	0.017526	Area (sq ft)	0.00	49.25	0.00
Q Total (cfs)	188.00	Flow (cfs)	0.00	188.00	0.00
Top Width (ft)	32.31	Top Width (ft)	0.16	32.00	0.16
Vel Total (ft/s)	3.82	Avg. Vel. (ft/s)	0.44	3.82	0.44
Max Chl Dpth (ft)	2.04	Hydr. Depth (ft)	0.02	1.54	0.02
Conv. Total (cfs)	1420.1	Conv. (cfs)	0.0	1420.1	0.0
Length Wtd. (ft)	25.20	Wetted Per. (ft)	0.16	32.49	0.16
Min Ch El (ft)	7094.82	Shear (lb/sq ft)		1.66	
Alpha	1.00	Stream Power (lb/ft s)		6.33	
Frctn Loss (ft)	0.42	Cum Volume (acre-ft)	0.00	4.05	0.04
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	4.39	0.08

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4175.20* Profile: Q100

E.G. Elev (ft)	7096.65	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.21	Wt. n-Val.		0.068	
W.S. Elev (ft)	7096.45	Reach Len. (ft)	25.00	25.20	25.00
Crit W.S. (ft)		Flow Area (sq ft)		51.55	
E.G. Slope (ft/ft)	0.016230	Area (sq ft)		51.55	
Q Total (cfs)	188.00	Flow (cfs)		188.00	
Top Width (ft)	33.89	Top Width (ft)		33.89	
Vel Total (ft/s)	3.65	Avg. Vel. (ft/s)		3.65	
Max Chl Dpth (ft)	1.99	Hydr. Depth (ft)		1.52	
Conv. Total (cfs)	1475.7	Conv. (cfs)		1475.7	
Length Wtd. (ft)	25.20	Wetted Per. (ft)		34.38	
Min Ch EI (ft)	7094.46	Shear (lb/sq ft)		1.52	
Alpha	1.00	Stream Power (lb/ft s)		5.54	
Frctn Loss (ft)	0.71	Cum Volume (acre-ft)	0.00	4.02	0.04
C & E Loss (ft)	0.03	Cum SA (acres)	0.00	4.37	0.08

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4150 Profile: Q100

E.G. Elev (ft)	7095.91	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.50	Wt. n-Val.		0.068	
W.S. Elev (ft)	7095.41	Reach Len. (ft)	13.33	13.33	11.17
Crit W.S. (ft)	7095.38	Flow Area (sq ft)		33.17	
E.G. Slope (ft/ft)	0.061023	Area (sq ft)		33.17	
Q Total (cfs)	188.00	Flow (cfs)		188.00	
Top Width (ft)	30.51	Top Width (ft)		30.51	
Vel Total (ft/s)	5.67	Avg. Vel. (ft/s)		5.67	
Max Chl Dpth (ft)	1.31	Hydr. Depth (ft)		1.09	
Conv. Total (cfs)	761.0	Conv. (cfs)		761.0	
Length Wtd. (ft)	13.33	Wetted Per. (ft)		30.83	
Min Ch EI (ft)	7094.10	Shear (lb/sq ft)		4.10	
Alpha	1.00	Stream Power (lb/ft s)		23.23	
Frctn Loss (ft)	0.83	Cum Volume (acre-ft)	0.00	4.00	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	4.35	0.08

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4136.67* Profile: Q100

E.G. Elev (ft)	7095.09	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.50	Wt. n-Val.		0.068	
W.S. Elev (ft)	7094.59	Reach Len. (ft)	13.33	13.33	11.17
Crit W.S. (ft)	7094.56	Flow Area (sq ft)		33.20	
E.G. Slope (ft/ft)	0.062788	Area (sq ft)		33.20	
Q Total (cfs)	188.00	Flow (cfs)		188.00	
Top Width (ft)	31.27	Top Width (ft)		31.27	
Vel Total (ft/s)	5.66	Avg. Vel. (ft/s)		5.66	
Max Chl Dpth (ft)	1.29	Hydr. Depth (ft)		1.06	
Conv. Total (cfs)	750.3	Conv. (cfs)		750.3	
Length Wtd. (ft)	13.33	Wetted Per. (ft)		31.57	
Min Ch EI (ft)	7093.30	Shear (lb/sq ft)		4.12	
Alpha	1.00	Stream Power (lb/ft s)		23.34	
Frctn Loss (ft)	0.81	Cum Volume (acre-ft)	0.00	3.99	0.04
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	4.34	0.08

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4123.33* Profile: Q100

E.G. Elev (ft)	7094.26	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.47	Wt. n-Val.		0.068	
W.S. Elev (ft)	7093.79	Reach Len. (ft)	13.33	13.33	11.17
Crit W.S. (ft)	7093.75	Flow Area (sq ft)		34.18	
E.G. Slope (ft/ft)	0.059480	Area (sq ft)		34.18	
Q Total (cfs)	188.00	Flow (cfs)		188.00	
Top Width (ft)	32.32	Top Width (ft)		32.32	
Vel Total (ft/s)	5.50	Avg. Vel. (ft/s)		5.50	
Max Chl Dpth (ft)	1.29	Hydr. Depth (ft)		1.06	
Conv. Total (cfs)	770.9	Conv. (cfs)		770.9	
Length Wtd. (ft)	13.33	Wetted Per. (ft)		32.60	
Min Ch El (ft)	7092.50	Shear (lb/sq ft)		3.89	
Alpha	1.00	Stream Power (lb/ft s)		21.41	
Frctn Loss (ft)	0.83	Cum Volume (acre-ft)	0.00	3.98	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	4.33	0.08

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4110.00* Profile: Q100

E.G. Elev (ft)	7093.44	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.49	Wt. n-Val.		0.068	
W.S. Elev (ft)	7092.95	Reach Len. (ft)	13.33	13.33	11.17
Crit W.S. (ft)	7092.93	Flow Area (sq ft)		33.58	
E.G. Slope (ft/ft)	0.064609	Area (sq ft)		33.58	
Q Total (cfs)	188.00	Flow (cfs)		188.00	
Top Width (ft)	32.93	Top Width (ft)		32.93	
Vel Total (ft/s)	5.60	Avg. Vel. (ft/s)		5.60	
Max Chl Dpth (ft)	1.25	Hydr. Depth (ft)		1.02	
Conv. Total (cfs)	739.6	Conv. (cfs)		739.6	
Length Wtd. (ft)	13.33	Wetted Per. (ft)		33.19	
Min Ch El (ft)	7091.70	Shear (lb/sq ft)		4.08	
Alpha	1.00	Stream Power (lb/ft s)		22.84	
Frctn Loss (ft)	0.80	Cum Volume (acre-ft)	0.00	3.97	0.04
C & E Loss (ft)	0.02	Cum SA (acres)	0.00	4.32	0.08

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4096.67* Profile: Q100

E.G. Elev (ft)	7092.61	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.44	Wt. n-Val.		0.068	
W.S. Elev (ft)	7092.18	Reach Len. (ft)	13.33	13.33	11.17
Crit W.S. (ft)	7092.11	Flow Area (sq ft)		35.46	
E.G. Slope (ft/ft)	0.056543	Area (sq ft)		35.46	
Q Total (cfs)	188.00	Flow (cfs)		188.00	
Top Width (ft)	34.14	Top Width (ft)		34.14	
Vel Total (ft/s)	5.30	Avg. Vel. (ft/s)		5.30	
Max Chl Dpth (ft)	1.28	Hydr. Depth (ft)		1.04	
Conv. Total (cfs)	790.6	Conv. (cfs)		790.6	
Length Wtd. (ft)	13.33	Wetted Per. (ft)		34.41	
Min Ch El (ft)	7090.90	Shear (lb/sq ft)		3.64	
Alpha	1.00	Stream Power (lb/ft s)		19.29	
Frctn Loss (ft)	0.83	Cum Volume (acre-ft)	0.00	3.95	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	4.31	0.08

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4083.33* Profile: Q100

E.G. Elev (ft)	7091.78	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.49	Wt. n-Val.		0.068	
W.S. Elev (ft)	7091.30	Reach Len. (ft)	13.33	13.33	11.17
Crit W.S. (ft)	7091.30	Flow Area (sq ft)		33.61	
E.G. Slope (ft/ft)	0.068481	Area (sq ft)		33.61	
Q Total (cfs)	188.00	Flow (cfs)		188.00	
Top Width (ft)	34.50	Top Width (ft)		34.50	
Vel Total (ft/s)	5.59	Avg. Vel. (ft/s)		5.59	
Max Chl Dpth (ft)	1.19	Hydr. Depth (ft)		0.97	
Conv. Total (cfs)	718.4	Conv. (cfs)		718.4	
Length Wtd. (ft)	13.33	Wetted Per. (ft)		34.74	
Min Ch El (ft)	7090.10	Shear (lb/sq ft)		4.14	
Alpha	1.00	Stream Power (lb/ft s)		23.14	
Frctn Loss (ft)	0.72	Cum Volume (acre-ft)	0.00	3.94	0.04
C & E Loss (ft)	0.04	Cum SA (acres)	0.00	4.30	0.08

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning:	During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4070 Profile: Q100

E.G. Elev (ft)	7090.98	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.36	Wt. n-Val.		0.068	
W.S. Elev (ft)	7090.63	Reach Len. (ft)	10.21	14.59	21.79
Crit W.S. (ft)	7090.47	Flow Area (sq ft)		39.30	
E.G. Slope (ft/ft)	0.043970	Area (sq ft)		39.30	
Q Total (cfs)	188.00	Flow (cfs)		188.00	
Top Width (ft)	36.56	Top Width (ft)		36.56	
Vel Total (ft/s)	4.78	Avg. Vel. (ft/s)		4.78	
Max Chl Dpth (ft)	1.33	Hydr. Depth (ft)		1.07	
Conv. Total (cfs)	896.6	Conv. (cfs)		896.6	
Length Wtd. (ft)	14.59	Wetted Per. (ft)		36.83	
Min Ch El (ft)	7089.30	Shear (lb/sq ft)		2.93	
Alpha	1.00	Stream Power (lb/ft s)		14.01	
Frctn Loss (ft)	0.62	Cum Volume (acre-ft)	0.00	3.93	0.04
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	4.29	0.08

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4055.40* Profile: Q100

E.G. Elev (ft)	7090.35	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.41	Wt. n-Val.		0.059	
W.S. Elev (ft)	7089.94	Reach Len. (ft)	10.21	14.59	21.79
Crit W.S. (ft)	7089.86	Flow Area (sq ft)		36.54	
E.G. Slope (ft/ft)	0.041233	Area (sq ft)		36.54	
Q Total (cfs)	188.00	Flow (cfs)		188.00	
Top Width (ft)	36.00	Top Width (ft)		36.00	
Vel Total (ft/s)	5.15	Avg. Vel. (ft/s)		5.15	
Max Chl Dpth (ft)	1.32	Hydr. Depth (ft)		1.02	
Conv. Total (cfs)	925.8	Conv. (cfs)		925.8	
Length Wtd. (ft)	14.59	Wetted Per. (ft)		36.20	
Min Ch El (ft)	7088.62	Shear (lb/sq ft)		2.60	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4055.40* Profile: Q100 (Continued)

Alpha	1.00	Stream Power (lb/ft s)		13.37	
Frctn Loss (ft)	0.64	Cum Volume (acre-ft)	0.00	3.92	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	4.28	0.08

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4040.80* Profile: Q100

E.G. Elev (ft)	7089.71	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.45	Wt. n-Val.		0.059	
W.S. Elev (ft)	7089.26	Reach Len. (ft)	10.21	14.59	21.79
Crit W.S. (ft)	7089.23	Flow Area (sq ft)		35.05	
E.G. Slope (ft/ft)	0.047008	Area (sq ft)		35.05	
Q Total (cfs)	188.00	Flow (cfs)		188.00	
Top Width (ft)	35.83	Top Width (ft)		35.83	
Vel Total (ft/s)	5.36	Avg. Vel. (ft/s)		5.36	
Max Chl Dpth (ft)	1.32	Hydr. Depth (ft)		0.98	
Conv. Total (cfs)	867.1	Conv. (cfs)		867.1	
Length Wtd. (ft)	14.59	Wetted Per. (ft)		36.01	
Min Ch EI (ft)	7087.94	Shear (lb/sq ft)		2.86	
Alpha	1.00	Stream Power (lb/ft s)		15.32	
Frctn Loss (ft)	0.66	Cum Volume (acre-ft)	0.00	3.91	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	4.27	0.08

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4026.20* Profile: Q100

E.G. Elev (ft)	7089.04	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.44	Wt. n-Val.		0.059	
W.S. Elev (ft)	7088.61	Reach Len. (ft)	10.21	14.59	21.79
Crit W.S. (ft)	7088.55	Flow Area (sq ft)		35.53	
E.G. Slope (ft/ft)	0.043990	Area (sq ft)		35.53	
Q Total (cfs)	188.00	Flow (cfs)		188.00	
Top Width (ft)	35.23	Top Width (ft)		35.23	
Vel Total (ft/s)	5.29	Avg. Vel. (ft/s)		5.29	
Max Chl Dpth (ft)	1.35	Hydr. Depth (ft)		1.01	
Conv. Total (cfs)	896.4	Conv. (cfs)		896.4	
Length Wtd. (ft)	14.59	Wetted Per. (ft)		35.45	
Min Ch EI (ft)	7087.26	Shear (lb/sq ft)		2.75	
Alpha	1.00	Stream Power (lb/ft s)		14.57	
Frctn Loss (ft)	0.70	Cum Volume (acre-ft)	0.00	3.90	0.04
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	4.25	0.08

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4011.60* Profile: Q100

E.G. Elev (ft)	7088.34	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.50	Wt. n-Val.		0.059	
W.S. Elev (ft)	7087.84	Reach Len. (ft)	10.21	14.59	21.79
Crit W.S. (ft)	7087.84	Flow Area (sq ft)		33.23	
E.G. Slope (ft/ft)	0.051943	Area (sq ft)		33.23	
Q Total (cfs)	188.00	Flow (cfs)		188.00	
Top Width (ft)	33.71	Top Width (ft)		33.71	
Vel Total (ft/s)	5.66	Avg. Vel. (ft/s)		5.66	
Max Chl Dpth (ft)	1.26	Hydr. Depth (ft)		0.99	
Conv. Total (cfs)	824.9	Conv. (cfs)		824.9	
Length Wtd. (ft)	14.59	Wetted Per. (ft)		33.96	
Min Ch EI (ft)	7086.58	Shear (lb/sq ft)		3.17	
Alpha	1.00	Stream Power (lb/ft s)		17.95	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)	0.00	3.89	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4011.60* Profile: Q100 (Continued)

C & E Loss (ft)	0.07	Cum SA (acres)	0.00	4.24	0.08
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Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Warning:	During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3997 Profile: Q100

E.G. Elev (ft)	7087.75	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.26	Wt. n-Val.		0.059	
W.S. Elev (ft)	7087.48	Reach Len. (ft)	20.81	19.49	18.35
Crit W.S. (ft)	7087.10	Flow Area (sq ft)		45.67	
E.G. Slope (ft/ft)	0.018754	Area (sq ft)		45.67	
Q Total (cfs)	188.00	Flow (cfs)		188.00	
Top Width (ft)	34.56	Top Width (ft)		34.56	
Vel Total (ft/s)	4.12	Avg. Vel. (ft/s)		4.12	
Max Chl Dpth (ft)	1.58	Hydr. Depth (ft)		1.32	
Conv. Total (cfs)	1372.8	Conv. (cfs)		1372.8	
Length Wtd. (ft)	19.49	Wetted Per. (ft)		35.02	
Min Ch El (ft)	7085.90	Shear (lb/sq ft)		1.53	
Alpha	1.00	Stream Power (lb/ft s)		6.29	
Frctn Loss (ft)	0.37	Cum Volume (acre-ft)	0.00	3.87	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	4.23	0.08

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3977.50* Profile: Q100

E.G. Elev (ft)	7087.38	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.26	Wt. n-Val.		0.059	
W.S. Elev (ft)	7087.12	Reach Len. (ft)	20.81	19.49	18.35
Crit W.S. (ft)		Flow Area (sq ft)		45.61	
E.G. Slope (ft/ft)	0.018761	Area (sq ft)		45.61	
Q Total (cfs)	188.00	Flow (cfs)		188.00	
Top Width (ft)	34.48	Top Width (ft)		34.48	
Vel Total (ft/s)	4.12	Avg. Vel. (ft/s)		4.12	
Max Chl Dpth (ft)	1.60	Hydr. Depth (ft)		1.32	
Conv. Total (cfs)	1372.6	Conv. (cfs)		1372.6	
Length Wtd. (ft)	19.49	Wetted Per. (ft)		34.92	
Min Ch El (ft)	7085.52	Shear (lb/sq ft)		1.53	
Alpha	1.00	Stream Power (lb/ft s)		6.31	
Frctn Loss (ft)	0.36	Cum Volume (acre-ft)	0.00	3.85	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	4.22	0.08

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3958.00* Profile: Q100

E.G. Elev (ft)	7087.02	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.26	Wt. n-Val.		0.059	
W.S. Elev (ft)	7086.75	Reach Len. (ft)	20.81	19.49	18.35
Crit W.S. (ft)		Flow Area (sq ft)		45.72	
E.G. Slope (ft/ft)	0.018567	Area (sq ft)		45.72	
Q Total (cfs)	188.00	Flow (cfs)		188.00	
Top Width (ft)	34.42	Top Width (ft)		34.42	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3958.00* Profile: Q100 (Continued)

Vel Total (ft/s)	4.11	Avg. Vel. (ft/s)		4.11	
Max Chl Dpth (ft)	1.62	Hydr. Depth (ft)		1.33	
Conv. Total (cfs)	1379.7	Conv. (cfs)		1379.7	
Length Wtd. (ft)	19.49	Wetted Per. (ft)		34.85	
Min Ch El (ft)	7085.13	Shear (lb/sq ft)		1.52	
Alpha	1.00	Stream Power (lb/ft s)		6.25	
Frctn Loss (ft)	0.47	Cum Volume (acre-ft)	0.00	3.83	0.04
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	4.20	0.08

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3938.50* Profile: Q100

E.G. Elev (ft)	7086.53	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.39	Wt. n-Val.		0.059	
W.S. Elev (ft)	7086.14	Reach Len. (ft)	20.81	19.49	18.35
Crit W.S. (ft)	7085.99	Flow Area (sq ft)		37.65	
E.G. Slope (ft/ft)	0.033185	Area (sq ft)		37.65	
Q Total (cfs)	188.00	Flow (cfs)		188.00	
Top Width (ft)	32.81	Top Width (ft)		32.81	
Vel Total (ft/s)	4.99	Avg. Vel. (ft/s)		4.99	
Max Chl Dpth (ft)	1.39	Hydr. Depth (ft)		1.15	
Conv. Total (cfs)	1032.0	Conv. (cfs)		1032.0	
Length Wtd. (ft)	19.49	Wetted Per. (ft)		33.15	
Min Ch El (ft)	7084.75	Shear (lb/sq ft)		2.35	
Alpha	1.00	Stream Power (lb/ft s)		11.75	
Frctn Loss (ft)	0.39	Cum Volume (acre-ft)	0.00	3.81	0.04
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	4.19	0.08

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3919.00* Profile: Q100

E.G. Elev (ft)	7086.13	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.52	Wt. n-Val.		0.030	
W.S. Elev (ft)	7085.62	Reach Len. (ft)	20.81	19.49	18.35
Crit W.S. (ft)	7085.62	Flow Area (sq ft)		32.59	
E.G. Slope (ft/ft)	0.013198	Area (sq ft)		32.59	
Q Total (cfs)	188.00	Flow (cfs)		188.00	
Top Width (ft)	31.64	Top Width (ft)		31.64	
Vel Total (ft/s)	5.77	Avg. Vel. (ft/s)		5.77	
Max Chl Dpth (ft)	1.25	Hydr. Depth (ft)		1.03	
Conv. Total (cfs)	1636.4	Conv. (cfs)		1636.4	
Length Wtd. (ft)	19.49	Wetted Per. (ft)		31.94	
Min Ch El (ft)	7084.37	Shear (lb/sq ft)		0.84	
Alpha	1.00	Stream Power (lb/ft s)		4.85	
Frctn Loss (ft)	0.32	Cum Volume (acre-ft)	0.00	3.80	0.04
C & E Loss (ft)	0.02	Cum SA (acres)	0.00	4.17	0.08

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning:	During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3899.50* Profile: Q100

E.G. Elev (ft)	7085.79	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.72	Wt. n-Val.		0.030	
W.S. Elev (ft)	7085.07	Reach Len. (ft)	20.81	19.49	18.35
Crit W.S. (ft)	7085.22	Flow Area (sq ft)		27.65	
E.G. Slope (ft/ft)	0.021602	Area (sq ft)		27.65	
Q Total (cfs)	188.00	Flow (cfs)		188.00	
Top Width (ft)	30.38	Top Width (ft)		30.38	
Vel Total (ft/s)	6.80	Avg. Vel. (ft/s)		6.80	
Max Chl Dpth (ft)	1.09	Hydr. Depth (ft)		0.91	
Conv. Total (cfs)	1279.1	Conv. (cfs)		1279.1	
Length Wtd. (ft)	19.49	Wetted Per. (ft)		30.63	
Min Ch El (ft)	7083.98	Shear (lb/sq ft)		1.22	
Alpha	1.00	Stream Power (lb/ft s)		8.28	
Frctn Loss (ft)	0.38	Cum Volume (acre-ft)	0.00	3.78	0.04
C & E Loss (ft)	0.02	Cum SA (acres)	0.00	4.16	0.08

Errors Warnings and Notes

Note:	Program found supercritical flow starting at this cross section.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3880 Profile: Q100

E.G. Elev (ft)	7085.39	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.64	Wt. n-Val.		0.030	
W.S. Elev (ft)	7084.75	Reach Len. (ft)	35.00	36.00	36.60
Crit W.S. (ft)	7084.85	Flow Area (sq ft)		29.36	
E.G. Slope (ft/ft)	0.017844	Area (sq ft)		29.36	
Q Total (cfs)	188.00	Flow (cfs)		188.00	
Top Width (ft)	30.55	Top Width (ft)		30.55	
Vel Total (ft/s)	6.40	Avg. Vel. (ft/s)		6.40	
Max Chl Dpth (ft)	1.15	Hydr. Depth (ft)		0.96	
Conv. Total (cfs)	1407.4	Conv. (cfs)		1407.4	
Length Wtd. (ft)	36.00	Wetted Per. (ft)		30.84	
Min Ch El (ft)	7083.60	Shear (lb/sq ft)		1.06	
Alpha	1.00	Stream Power (lb/ft s)		6.79	
Frctn Loss (ft)	0.55	Cum Volume (acre-ft)	0.00	3.77	0.04
C & E Loss (ft)	0.03	Cum SA (acres)	0.00	4.14	0.08

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3844.00* Profile: Q100

E.G. Elev (ft)	7084.83	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.55	Wt. n-Val.		0.030	
W.S. Elev (ft)	7084.28	Reach Len. (ft)	35.00	36.00	36.60
Crit W.S. (ft)	7084.31	Flow Area (sq ft)		31.50	
E.G. Slope (ft/ft)	0.014633	Area (sq ft)		31.50	
Q Total (cfs)	188.00	Flow (cfs)		188.00	
Top Width (ft)	31.40	Top Width (ft)		31.40	
Vel Total (ft/s)	5.97	Avg. Vel. (ft/s)		5.97	
Max Chl Dpth (ft)	1.22	Hydr. Depth (ft)		1.00	
Conv. Total (cfs)	1554.1	Conv. (cfs)		1554.1	
Length Wtd. (ft)	36.00	Wetted Per. (ft)		31.68	
Min Ch El (ft)	7083.06	Shear (lb/sq ft)		0.91	
Alpha	1.00	Stream Power (lb/ft s)		5.42	
Frctn Loss (ft)	0.55	Cum Volume (acre-ft)	0.00	3.75	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	4.12	0.08

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program selected the
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Errors Warnings and Notes (Continued)

	water surface that had the least amount of error between computed and assumed values.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3808.00* Profile: Q100

E.G. Elev (ft)	7084.29	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.58	Wt. n-Val.		0.030	
W.S. Elev (ft)	7083.71	Reach Len. (ft)	35.00	36.00	36.60
Crit W.S. (ft)	7083.76	Flow Area (sq ft)		30.84	
E.G. Slope (ft/ft)	0.015823	Area (sq ft)		30.84	
Q Total (cfs)	188.00	Flow (cfs)		188.00	
Top Width (ft)	31.61	Top Width (ft)		31.61	
Vel Total (ft/s)	6.10	Avg. Vel. (ft/s)		6.10	
Max Chl Dpth (ft)	1.19	Hydr. Depth (ft)		0.98	
Conv. Total (cfs)	1494.6	Conv. (cfs)		1494.6	
Length Wtd. (ft)	36.00	Wetted Per. (ft)		31.87	
Min Ch El (ft)	7082.52	Shear (lb/sq ft)		0.96	
Alpha	1.00	Stream Power (lb/ft s)		5.83	
Frctn Loss (ft)	0.39	Cum Volume (acre-ft)	0.00	3.72	0.04
C & E Loss (ft)	0.04	Cum SA (acres)	0.00	4.09	0.08

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3772.00* Profile: Q100

E.G. Elev (ft)	7083.75	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.39	Wt. n-Val.		0.030	
W.S. Elev (ft)	7083.35	Reach Len. (ft)	35.00	36.00	36.60
Crit W.S. (ft)	7083.22	Flow Area (sq ft)		37.32	
E.G. Slope (ft/ft)	0.008935	Area (sq ft)		37.32	
Q Total (cfs)	188.00	Flow (cfs)		188.00	
Top Width (ft)	33.11	Top Width (ft)		33.11	
Vel Total (ft/s)	5.04	Avg. Vel. (ft/s)		5.04	
Max Chl Dpth (ft)	1.37	Hydr. Depth (ft)		1.13	
Conv. Total (cfs)	1988.9	Conv. (cfs)		1988.9	
Length Wtd. (ft)	36.00	Wetted Per. (ft)		33.44	
Min Ch El (ft)	7081.98	Shear (lb/sq ft)		0.62	
Alpha	1.00	Stream Power (lb/ft s)		3.14	
Frctn Loss (ft)	0.15	Cum Volume (acre-ft)	0.00	3.69	0.04
C & E Loss (ft)	0.07	Cum SA (acres)	0.00	4.07	0.08

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Note:	Hydraulic jump has occurred between this cross section and the previous upstream section.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3736.00* Profile: Q100

E.G. Elev (ft)	7083.53	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.17	Wt. n-Val.		0.030	
W.S. Elev (ft)	7083.36	Reach Len. (ft)	35.00	36.00	36.60
Crit W.S. (ft)		Flow Area (sq ft)		57.07	
E.G. Slope (ft/ft)	0.002490	Area (sq ft)		57.07	
Q Total (cfs)	188.00	Flow (cfs)		188.00	
Top Width (ft)	36.52	Top Width (ft)		36.52	
Vel Total (ft/s)	3.29	Avg. Vel. (ft/s)		3.29	
Max Chl Dpth (ft)	1.92	Hydr. Depth (ft)		1.56	
Conv. Total (cfs)	3767.6	Conv. (cfs)		3767.6	
Length Wtd. (ft)	36.00	Wetted Per. (ft)		37.08	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3736.00* Profile: Q100 (Continued)

Min Ch El (ft)	7081.44	Shear (lb/sq ft)		0.24	
Alpha	1.00	Stream Power (lb/ft s)		0.79	
Frctn Loss (ft)	0.24	Cum Volume (acre-ft)	0.00	3.65	0.04
C & E Loss (ft)	0.02	Cum SA (acres)	0.00	4.04	0.08

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3700 Profile: Q100

E.G. Elev (ft)	7083.27	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.35	Wt. n-Val.		0.059	
W.S. Elev (ft)	7082.93	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		62.02	
E.G. Slope (ft/ft)	0.018292	Area (sq ft)		62.02	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	37.29	Top Width (ft)		37.29	
Vel Total (ft/s)	4.72	Avg. Vel. (ft/s)		4.72	
Max Chl Dpth (ft)	2.03	Hydr. Depth (ft)		1.66	
Conv. Total (cfs)	2166.4	Conv. (cfs)		2166.4	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		37.97	
Min Ch El (ft)	7080.90	Shear (lb/sq ft)		1.87	
Alpha	1.00	Stream Power (lb/ft s)		8.81	
Frctn Loss (ft)	0.46	Cum Volume (acre-ft)	0.00	3.60	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	4.01	0.08

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3675.00* Profile: Q100

E.G. Elev (ft)	7082.81	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.34	Wt. n-Val.		0.059	
W.S. Elev (ft)	7082.47	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		62.72	
E.G. Slope (ft/ft)	0.018358	Area (sq ft)		62.72	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	38.55	Top Width (ft)		38.55	
Vel Total (ft/s)	4.67	Avg. Vel. (ft/s)		4.67	
Max Chl Dpth (ft)	1.99	Hydr. Depth (ft)		1.63	
Conv. Total (cfs)	2162.5	Conv. (cfs)		2162.5	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		39.16	
Min Ch El (ft)	7080.48	Shear (lb/sq ft)		1.84	
Alpha	1.00	Stream Power (lb/ft s)		8.58	
Frctn Loss (ft)	0.46	Cum Volume (acre-ft)	0.00	3.57	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.98	0.08

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3650.00* Profile: Q100

E.G. Elev (ft)	7082.35	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.33	Wt. n-Val.		0.059	
W.S. Elev (ft)	7082.02	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		63.61	
E.G. Slope (ft/ft)	0.018184	Area (sq ft)		63.61	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	39.73	Top Width (ft)		39.73	
Vel Total (ft/s)	4.61	Avg. Vel. (ft/s)		4.61	
Max Chl Dpth (ft)	1.97	Hydr. Depth (ft)		1.60	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3650.00* Profile: Q100 (Continued)

Conv. Total (cfs)	2172.8	Conv. (cfs)		2172.8	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		40.28	
Min Ch El (ft)	7080.05	Shear (lb/sq ft)		1.79	
Alpha	1.00	Stream Power (lb/ft s)		8.26	
Frctn Loss (ft)	0.45	Cum Volume (acre-ft)	0.00	3.53	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.96	0.08

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3625.00* Profile: Q100

E.G. Elev (ft)	7081.90	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.32	Wt. n-Val.		0.059	
W.S. Elev (ft)	7081.58	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		64.46	
E.G. Slope (ft/ft)	0.018039	Area (sq ft)		64.46	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	40.88	Top Width (ft)		40.88	
Vel Total (ft/s)	4.55	Avg. Vel. (ft/s)		4.55	
Max Chl Dpth (ft)	1.96	Hydr. Depth (ft)		1.58	
Conv. Total (cfs)	2181.6	Conv. (cfs)		2181.6	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		41.38	
Min Ch El (ft)	7079.62	Shear (lb/sq ft)		1.75	
Alpha	1.00	Stream Power (lb/ft s)		7.97	
Frctn Loss (ft)	0.45	Cum Volume (acre-ft)	0.00	3.49	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.94	0.08

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3600.00* Profile: Q100

E.G. Elev (ft)	7081.45	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.32	Wt. n-Val.		0.059	
W.S. Elev (ft)	7081.13	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		65.07	
E.G. Slope (ft/ft)	0.018082	Area (sq ft)		65.07	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	41.97	Top Width (ft)		41.97	
Vel Total (ft/s)	4.50	Avg. Vel. (ft/s)		4.50	
Max Chl Dpth (ft)	1.93	Hydr. Depth (ft)		1.55	
Conv. Total (cfs)	2179.0	Conv. (cfs)		2179.0	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		42.44	
Min Ch El (ft)	7079.20	Shear (lb/sq ft)		1.73	
Alpha	1.00	Stream Power (lb/ft s)		7.79	
Frctn Loss (ft)	0.45	Cum Volume (acre-ft)	0.00	3.46	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.92	0.08

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3575.00* Profile: Q100

E.G. Elev (ft)	7080.99	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.31	Wt. n-Val.		0.059	
W.S. Elev (ft)	7080.69	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		65.95	
E.G. Slope (ft/ft)	0.017844	Area (sq ft)		65.95	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	43.02	Top Width (ft)		43.02	
Vel Total (ft/s)	4.44	Avg. Vel. (ft/s)		4.44	
Max Chl Dpth (ft)	1.92	Hydr. Depth (ft)		1.53	
Conv. Total (cfs)	2193.4	Conv. (cfs)		2193.4	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		43.46	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3575.00* Profile: Q100 (Continued)

Min Ch El (ft)	7078.77	Shear (lb/sq ft)		1.69	
Alpha	1.00	Stream Power (lb/ft s)		7.51	
Frctn Loss (ft)	0.44	Cum Volume (acre-ft)	0.00	3.42	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.89	0.08

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3550.00* Profile: Q100

E.G. Elev (ft)	7080.55	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.30	Wt. n-Val.		0.059	
W.S. Elev (ft)	7080.25	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		66.76	
E.G. Slope (ft/ft)	0.017622	Area (sq ft)		66.76	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	43.96	Top Width (ft)		43.96	
Vel Total (ft/s)	4.39	Avg. Vel. (ft/s)		4.39	
Max Chl Dpth (ft)	1.90	Hydr. Depth (ft)		1.52	
Conv. Total (cfs)	2207.2	Conv. (cfs)		2207.2	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		44.39	
Min Ch El (ft)	7078.35	Shear (lb/sq ft)		1.65	
Alpha	1.00	Stream Power (lb/ft s)		7.26	
Frctn Loss (ft)	0.56	Cum Volume (acre-ft)	0.00	3.38	0.04
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	3.87	0.08

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3525.00* Profile: Q100

E.G. Elev (ft)	7079.97	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.42	Wt. n-Val.		0.059	
W.S. Elev (ft)	7079.55	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)	7079.34	Flow Area (sq ft)		56.38	
E.G. Slope (ft/ft)	0.029895	Area (sq ft)		56.38	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	42.90	Top Width (ft)		42.90	
Vel Total (ft/s)	5.20	Avg. Vel. (ft/s)		5.20	
Max Chl Dpth (ft)	1.63	Hydr. Depth (ft)		1.31	
Conv. Total (cfs)	1694.6	Conv. (cfs)		1694.6	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		43.25	
Min Ch El (ft)	7077.92	Shear (lb/sq ft)		2.43	
Alpha	1.00	Stream Power (lb/ft s)		12.64	
Frctn Loss (ft)	0.47	Cum Volume (acre-ft)	0.00	3.35	0.04
C & E Loss (ft)	0.02	Cum SA (acres)	0.00	3.84	0.08

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3500 Profile: Q100

E.G. Elev (ft)	7079.48	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.58	Wt. n-Val.		0.030	
W.S. Elev (ft)	7078.90	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)	7078.90	Flow Area (sq ft)		47.80	
E.G. Slope (ft/ft)	0.012997	Area (sq ft)		47.80	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	41.97	Top Width (ft)		41.97	
Vel Total (ft/s)	6.13	Avg. Vel. (ft/s)		6.13	
Max Chl Dpth (ft)	1.40	Hydr. Depth (ft)		1.14	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3500 Profile: Q100 (Continued)

Conv. Total (cfs)	2570.0	Conv. (cfs)		2570.0	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		42.27	
Min Ch El (ft)	7077.50	Shear (lb/sq ft)		0.92	
Alpha	1.00	Stream Power (lb/ft s)		5.62	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)	0.00	3.32	0.04
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	3.82	0.08

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning:	During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3480.77* Profile: Q100

E.G. Elev (ft)	7079.22	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.64	Wt. n-Val.		0.030	
W.S. Elev (ft)	7078.58	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)	7078.64	Flow Area (sq ft)		45.74	
E.G. Slope (ft/ft)	0.015175	Area (sq ft)		45.74	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	42.25	Top Width (ft)		42.25	
Vel Total (ft/s)	6.41	Avg. Vel. (ft/s)		6.41	
Max Chl Dpth (ft)	1.34	Hydr. Depth (ft)		1.08	
Conv. Total (cfs)	2378.5	Conv. (cfs)		2378.5	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		42.52	
Min Ch El (ft)	7077.24	Shear (lb/sq ft)		1.02	
Alpha	1.00	Stream Power (lb/ft s)		6.53	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)	0.00	3.30	0.04
C & E Loss (ft)	0.02	Cum SA (acres)	0.00	3.80	0.08

Errors Warnings and Notes

Note:	Program found supercritical flow starting at this cross section.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3461.54* Profile: Q100

E.G. Elev (ft)	7078.93	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.58	Wt. n-Val.		0.030	
W.S. Elev (ft)	7078.35	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)	7078.37	Flow Area (sq ft)		47.92	
E.G. Slope (ft/ft)	0.013440	Area (sq ft)		47.92	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	43.36	Top Width (ft)		43.36	
Vel Total (ft/s)	6.11	Avg. Vel. (ft/s)		6.11	
Max Chl Dpth (ft)	1.37	Hydr. Depth (ft)		1.11	
Conv. Total (cfs)	2527.3	Conv. (cfs)		2527.3	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		43.61	
Min Ch El (ft)	7076.98	Shear (lb/sq ft)		0.92	
Alpha	1.00	Stream Power (lb/ft s)		5.64	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)	0.00	3.27	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.78	0.08

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3442.31* Profile: Q100

E.G. Elev (ft)	7078.66	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.62	Wt. n-Val.		0.030	
W.S. Elev (ft)	7078.04	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)	7078.10	Flow Area (sq ft)		46.42	
E.G. Slope (ft/ft)	0.015063	Area (sq ft)		46.42	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	43.64	Top Width (ft)		43.64	
Vel Total (ft/s)	6.31	Avg. Vel. (ft/s)		6.31	
Max Chl Dpth (ft)	1.32	Hydr. Depth (ft)		1.06	
Conv. Total (cfs)	2387.3	Conv. (cfs)		2387.3	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		43.88	
Min Ch El (ft)	7076.72	Shear (lb/sq ft)		0.99	
Alpha	1.00	Stream Power (lb/ft s)		6.28	
Frctn Loss (ft)	0.29	Cum Volume (acre-ft)	0.00	3.25	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.76	0.08

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3423.08* Profile: Q100

E.G. Elev (ft)	7078.37	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.60	Wt. n-Val.		0.030	
W.S. Elev (ft)	7077.77	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)	7077.83	Flow Area (sq ft)		46.96	
E.G. Slope (ft/ft)	0.014786	Area (sq ft)		46.96	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	44.32	Top Width (ft)		44.32	
Vel Total (ft/s)	6.24	Avg. Vel. (ft/s)		6.24	
Max Chl Dpth (ft)	1.32	Hydr. Depth (ft)		1.06	
Conv. Total (cfs)	2409.6	Conv. (cfs)		2409.6	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		44.55	
Min Ch El (ft)	7076.45	Shear (lb/sq ft)		0.97	
Alpha	1.00	Stream Power (lb/ft s)		6.07	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)	0.00	3.23	0.04
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	3.74	0.08

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3403.85* Profile: Q100

E.G. Elev (ft)	7078.09	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.58	Wt. n-Val.		0.030	
W.S. Elev (ft)	7077.51	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)	7077.54	Flow Area (sq ft)		47.79	
E.G. Slope (ft/ft)	0.014262	Area (sq ft)		47.79	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	45.06	Top Width (ft)		45.06	
Vel Total (ft/s)	6.13	Avg. Vel. (ft/s)		6.13	
Max Chl Dpth (ft)	1.32	Hydr. Depth (ft)		1.06	
Conv. Total (cfs)	2453.4	Conv. (cfs)		2453.4	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		45.28	
Min Ch El (ft)	7076.19	Shear (lb/sq ft)		0.94	
Alpha	1.00	Stream Power (lb/ft s)		5.76	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)	0.00	3.21	0.04
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	3.72	0.08

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3384.62* Profile: Q100

E.G. Elev (ft)	7077.81	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.56	Wt. n-Val.		0.030	
W.S. Elev (ft)	7077.25	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)	7077.27	Flow Area (sq ft)		48.77	
E.G. Slope (ft/ft)	0.013608	Area (sq ft)		48.77	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	45.79	Top Width (ft)		45.79	
Vel Total (ft/s)	6.01	Avg. Vel. (ft/s)		6.01	
Max Chl Dpth (ft)	1.32	Hydr. Depth (ft)		1.07	
Conv. Total (cfs)	2511.7	Conv. (cfs)		2511.7	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		46.01	
Min Ch El (ft)	7075.93	Shear (lb/sq ft)		0.90	
Alpha	1.00	Stream Power (lb/ft s)		5.41	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)	0.00	3.19	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.70	0.08

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3365.39* Profile: Q100

E.G. Elev (ft)	7077.53	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.60	Wt. n-Val.		0.030	
W.S. Elev (ft)	7076.93	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)	7076.99	Flow Area (sq ft)		47.30	
E.G. Slope (ft/ft)	0.015186	Area (sq ft)		47.30	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	46.06	Top Width (ft)		46.06	
Vel Total (ft/s)	6.19	Avg. Vel. (ft/s)		6.19	
Max Chl Dpth (ft)	1.26	Hydr. Depth (ft)		1.03	
Conv. Total (cfs)	2377.7	Conv. (cfs)		2377.7	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		46.27	
Min Ch El (ft)	7075.67	Shear (lb/sq ft)		0.97	
Alpha	1.00	Stream Power (lb/ft s)		6.00	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)	0.00	3.17	0.04
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	3.68	0.08

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3346.15* Profile: Q100

E.G. Elev (ft)	7077.24	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.57	Wt. n-Val.		0.030	
W.S. Elev (ft)	7076.67	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)	7076.71	Flow Area (sq ft)		48.39	
E.G. Slope (ft/ft)	0.014359	Area (sq ft)		48.39	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	46.75	Top Width (ft)		46.75	
Vel Total (ft/s)	6.05	Avg. Vel. (ft/s)		6.05	
Max Chl Dpth (ft)	1.26	Hydr. Depth (ft)		1.04	
Conv. Total (cfs)	2445.2	Conv. (cfs)		2445.2	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		46.97	
Min Ch El (ft)	7075.41	Shear (lb/sq ft)		0.92	
Alpha	1.00	Stream Power (lb/ft s)		5.59	
Frctn Loss (ft)	0.29	Cum Volume (acre-ft)	0.00	3.15	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.66	0.08

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3326.92* Profile: Q100

E.G. Elev (ft)	7076.96	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.59	Wt. n-Val.		0.030	
W.S. Elev (ft)	7076.37	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)	7076.43	Flow Area (sq ft)		47.52	
E.G. Slope (ft/ft)	0.015398	Area (sq ft)		47.52	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	47.07	Top Width (ft)		47.07	
Vel Total (ft/s)	6.17	Avg. Vel. (ft/s)		6.17	
Max Chl Dpth (ft)	1.22	Hydr. Depth (ft)		1.01	
Conv. Total (cfs)	2361.2	Conv. (cfs)		2361.2	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		47.29	
Min Ch El (ft)	7075.15	Shear (lb/sq ft)		0.97	
Alpha	1.00	Stream Power (lb/ft s)		5.96	
Frctn Loss (ft)	0.29	Cum Volume (acre-ft)	0.00	3.13	0.04
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	3.64	0.08

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3307.69* Profile: Q100

E.G. Elev (ft)	7076.67	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.57	Wt. n-Val.		0.030	
W.S. Elev (ft)	7076.10	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)	7076.14	Flow Area (sq ft)		48.37	
E.G. Slope (ft/ft)	0.014773	Area (sq ft)		48.37	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	47.70	Top Width (ft)		47.70	
Vel Total (ft/s)	6.06	Avg. Vel. (ft/s)		6.06	
Max Chl Dpth (ft)	1.22	Hydr. Depth (ft)		1.01	
Conv. Total (cfs)	2410.6	Conv. (cfs)		2410.6	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		47.92	
Min Ch El (ft)	7074.88	Shear (lb/sq ft)		0.93	
Alpha	1.00	Stream Power (lb/ft s)		5.64	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)	0.00	3.11	0.04
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	3.62	0.08

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3288.46* Profile: Q100

E.G. Elev (ft)	7076.38	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.54	Wt. n-Val.		0.030	
W.S. Elev (ft)	7075.84	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)	7075.86	Flow Area (sq ft)		49.61	
E.G. Slope (ft/ft)	0.013831	Area (sq ft)		49.61	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	48.36	Top Width (ft)		48.36	
Vel Total (ft/s)	5.91	Avg. Vel. (ft/s)		5.91	
Max Chl Dpth (ft)	1.22	Hydr. Depth (ft)		1.03	
Conv. Total (cfs)	2491.3	Conv. (cfs)		2491.3	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		48.60	
Min Ch El (ft)	7074.62	Shear (lb/sq ft)		0.88	
Alpha	1.00	Stream Power (lb/ft s)		5.21	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)	0.00	3.08	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.60	0.08

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3269.23* Profile: Q100

E.G. Elev (ft)	7076.10	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.58	Wt. n-Val.		0.030	
W.S. Elev (ft)	7075.52	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)	7075.58	Flow Area (sq ft)		48.02	
E.G. Slope (ft/ft)	0.015504	Area (sq ft)		48.02	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	48.56	Top Width (ft)		48.56	
Vel Total (ft/s)	6.10	Avg. Vel. (ft/s)		6.10	
Max Chl Dpth (ft)	1.16	Hydr. Depth (ft)		0.99	
Conv. Total (cfs)	2353.1	Conv. (cfs)		2353.1	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		48.79	
Min Ch El (ft)	7074.36	Shear (lb/sq ft)		0.95	
Alpha	1.00	Stream Power (lb/ft s)		5.81	
Frctn Loss (ft)	0.29	Cum Volume (acre-ft)	0.00	3.06	0.04
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	3.58	0.08

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3250 Profile: Q100

E.G. Elev (ft)	7075.81	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.55	Wt. n-Val.		0.030	
W.S. Elev (ft)	7075.26	Reach Len. (ft)	15.00	15.00	15.00
Crit W.S. (ft)	7075.29	Flow Area (sq ft)		49.47	
E.G. Slope (ft/ft)	0.014305	Area (sq ft)		49.47	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	49.22	Top Width (ft)		49.22	
Vel Total (ft/s)	5.92	Avg. Vel. (ft/s)		5.92	
Max Chl Dpth (ft)	1.16	Hydr. Depth (ft)		1.00	
Conv. Total (cfs)	2449.8	Conv. (cfs)		2449.8	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		49.48	
Min Ch El (ft)	7074.10	Shear (lb/sq ft)		0.89	
Alpha	1.00	Stream Power (lb/ft s)		5.29	
Frctn Loss (ft)	0.24	Cum Volume (acre-ft)	0.00	3.04	0.04
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	3.55	0.08

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3235.00* Profile: Q100

E.G. Elev (ft)	7075.56	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.64	Wt. n-Val.		0.030	
W.S. Elev (ft)	7074.92	Reach Len. (ft)	15.00	15.00	15.00
Crit W.S. (ft)	7075.03	Flow Area (sq ft)		45.72	
E.G. Slope (ft/ft)	0.018000	Area (sq ft)		45.72	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	48.03	Top Width (ft)		48.03	
Vel Total (ft/s)	6.41	Avg. Vel. (ft/s)		6.41	
Max Chl Dpth (ft)	1.10	Hydr. Depth (ft)		0.95	
Conv. Total (cfs)	2183.9	Conv. (cfs)		2183.9	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		48.26	
Min Ch El (ft)	7073.82	Shear (lb/sq ft)		1.06	
Alpha	1.00	Stream Power (lb/ft s)		6.82	
Frctn Loss (ft)	0.26	Cum Volume (acre-ft)	0.00	3.03	0.04
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	3.54	0.08

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3220.00* Profile: Q100

E.G. Elev (ft)	7075.29	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.61	Wt. n-Val.		0.030	
W.S. Elev (ft)	7074.68	Reach Len. (ft)	15.00	15.00	15.00
Crit W.S. (ft)	7074.76	Flow Area (sq ft)		46.85	
E.G. Slope (ft/ft)	0.016435	Area (sq ft)		46.85	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	47.70	Top Width (ft)		47.70	
Vel Total (ft/s)	6.25	Avg. Vel. (ft/s)		6.25	
Max Chl Dpth (ft)	1.14	Hydr. Depth (ft)		0.98	
Conv. Total (cfs)	2285.5	Conv. (cfs)		2285.5	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		47.94	
Min Ch El (ft)	7073.54	Shear (lb/sq ft)		1.00	
Alpha	1.00	Stream Power (lb/ft s)		6.27	
Frctn Loss (ft)	0.25	Cum Volume (acre-ft)	0.00	3.01	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.52	0.08

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3205.00* Profile: Q100

E.G. Elev (ft)	7075.03	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.64	Wt. n-Val.		0.030	
W.S. Elev (ft)	7074.40	Reach Len. (ft)	15.00	15.00	15.00
Crit W.S. (ft)	7074.49	Flow Area (sq ft)		45.77	
E.G. Slope (ft/ft)	0.017393	Area (sq ft)		45.77	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	46.96	Top Width (ft)		46.96	
Vel Total (ft/s)	6.40	Avg. Vel. (ft/s)		6.40	
Max Chl Dpth (ft)	1.14	Hydr. Depth (ft)		0.97	
Conv. Total (cfs)	2221.7	Conv. (cfs)		2221.7	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		47.18	
Min Ch El (ft)	7073.26	Shear (lb/sq ft)		1.05	
Alpha	1.00	Stream Power (lb/ft s)		6.74	
Frctn Loss (ft)	0.25	Cum Volume (acre-ft)	0.00	2.99	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.50	0.08

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3190.00* Profile: Q100

E.G. Elev (ft)	7074.77	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.62	Wt. n-Val.		0.030	
W.S. Elev (ft)	7074.14	Reach Len. (ft)	15.00	15.00	15.00
Crit W.S. (ft)	7074.23	Flow Area (sq ft)		46.25	
E.G. Slope (ft/ft)	0.016604	Area (sq ft)		46.25	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	46.55	Top Width (ft)		46.55	
Vel Total (ft/s)	6.33	Avg. Vel. (ft/s)		6.33	
Max Chl Dpth (ft)	1.16	Hydr. Depth (ft)		0.99	
Conv. Total (cfs)	2273.8	Conv. (cfs)		2273.8	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		46.78	
Min Ch El (ft)	7072.98	Shear (lb/sq ft)		1.02	
Alpha	1.00	Stream Power (lb/ft s)		6.49	
Frctn Loss (ft)	0.25	Cum Volume (acre-ft)	0.00	2.98	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.49	0.08

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3175.00* Profile: Q100

E.G. Elev (ft)	7074.51	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.65	Wt. n-Val.		0.030	
W.S. Elev (ft)	7073.86	Reach Len. (ft)	15.00	15.00	15.00
Crit W.S. (ft)	7073.95	Flow Area (sq ft)		45.43	
E.G. Slope (ft/ft)	0.017267	Area (sq ft)		45.43	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	45.83	Top Width (ft)		45.83	
Vel Total (ft/s)	6.45	Avg. Vel. (ft/s)		6.45	
Max Chl Dpth (ft)	1.16	Hydr. Depth (ft)		0.99	
Conv. Total (cfs)	2229.8	Conv. (cfs)		2229.8	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		46.06	
Min Ch El (ft)	7072.70	Shear (lb/sq ft)		1.06	
Alpha	1.00	Stream Power (lb/ft s)		6.86	
Frctn Loss (ft)	0.25	Cum Volume (acre-ft)	0.00	2.96	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.47	0.08

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3160.00* Profile: Q100

E.G. Elev (ft)	7074.25	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.64	Wt. n-Val.		0.030	
W.S. Elev (ft)	7073.61	Reach Len. (ft)	15.00	15.00	15.00
Crit W.S. (ft)	7073.69	Flow Area (sq ft)		45.71	
E.G. Slope (ft/ft)	0.016678	Area (sq ft)		45.71	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	45.35	Top Width (ft)		45.35	
Vel Total (ft/s)	6.41	Avg. Vel. (ft/s)		6.41	
Max Chl Dpth (ft)	1.19	Hydr. Depth (ft)		1.01	
Conv. Total (cfs)	2268.8	Conv. (cfs)		2268.8	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		45.57	
Min Ch El (ft)	7072.42	Shear (lb/sq ft)		1.04	
Alpha	1.00	Stream Power (lb/ft s)		6.69	
Frctn Loss (ft)	0.25	Cum Volume (acre-ft)	0.00	2.95	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.46	0.08

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3145.00* Profile: Q100

E.G. Elev (ft)	7073.99	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.66	Wt. n-Val.		0.030	
W.S. Elev (ft)	7073.33	Reach Len. (ft)	15.00	15.00	15.00
Crit W.S. (ft)	7073.43	Flow Area (sq ft)		44.95	
E.G. Slope (ft/ft)	0.017304	Area (sq ft)		44.95	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	44.69	Top Width (ft)		44.69	
Vel Total (ft/s)	6.52	Avg. Vel. (ft/s)		6.52	
Max Chl Dpth (ft)	1.19	Hydr. Depth (ft)		1.01	
Conv. Total (cfs)	2227.4	Conv. (cfs)		2227.4	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		44.91	
Min Ch El (ft)	7072.14	Shear (lb/sq ft)		1.08	
Alpha	1.00	Stream Power (lb/ft s)		7.05	
Frctn Loss (ft)	0.25	Cum Volume (acre-ft)	0.00	2.93	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.44	0.08

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3130.00* Profile: Q100

E.G. Elev (ft)	7073.72	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.65	Wt. n-Val.		0.030	
W.S. Elev (ft)	7073.07	Reach Len. (ft)	15.00	15.00	15.00
Crit W.S. (ft)	7073.16	Flow Area (sq ft)		45.34	
E.G. Slope (ft/ft)	0.016568	Area (sq ft)		45.34	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	44.19	Top Width (ft)		44.19	
Vel Total (ft/s)	6.46	Avg. Vel. (ft/s)		6.46	
Max Chl Dpth (ft)	1.21	Hydr. Depth (ft)		1.03	
Conv. Total (cfs)	2276.3	Conv. (cfs)		2276.3	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		44.42	
Min Ch El (ft)	7071.86	Shear (lb/sq ft)		1.06	
Alpha	1.00	Stream Power (lb/ft s)		6.82	
Frctn Loss (ft)	0.25	Cum Volume (acre-ft)	0.00	2.92	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.43	0.08

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3115.00* Profile: Q100

E.G. Elev (ft)	7073.47	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.67	Wt. n-Val.		0.030	
W.S. Elev (ft)	7072.79	Reach Len. (ft)	15.00	15.00	15.00
Crit W.S. (ft)	7072.89	Flow Area (sq ft)		44.54	
E.G. Slope (ft/ft)	0.017211	Area (sq ft)		44.54	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	43.48	Top Width (ft)		43.48	
Vel Total (ft/s)	6.58	Avg. Vel. (ft/s)		6.58	
Max Chl Dpth (ft)	1.21	Hydr. Depth (ft)		1.02	
Conv. Total (cfs)	2233.4	Conv. (cfs)		2233.4	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		43.72	
Min Ch El (ft)	7071.58	Shear (lb/sq ft)		1.09	
Alpha	1.00	Stream Power (lb/ft s)		7.20	
Frctn Loss (ft)	0.25	Cum Volume (acre-ft)	0.00	2.90	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.41	0.08

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3100 Profile: Q100

E.G. Elev (ft)	7073.20	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.66	Wt. n-Val.		0.030	
W.S. Elev (ft)	7072.54	Reach Len. (ft)	18.66	14.84	8.66
Crit W.S. (ft)	7072.63	Flow Area (sq ft)		44.86	
E.G. Slope (ft/ft)	0.016562	Area (sq ft)		44.86	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	43.01	Top Width (ft)		43.01	
Vel Total (ft/s)	6.53	Avg. Vel. (ft/s)		6.53	
Max Chl Dpth (ft)	1.24	Hydr. Depth (ft)		1.04	
Conv. Total (cfs)	2276.7	Conv. (cfs)		2276.7	
Length Wtd. (ft)	14.84	Wetted Per. (ft)		43.26	
Min Ch El (ft)	7071.30	Shear (lb/sq ft)		1.07	
Alpha	1.00	Stream Power (lb/ft s)		7.00	
Frctn Loss (ft)	0.22	Cum Volume (acre-ft)	0.00	2.88	0.04
C & E Loss (ft)	0.03	Cum SA (acres)	0.00	3.40	0.08

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3085.17* Profile: Q100

E.G. Elev (ft)	7072.97	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.58	Wt. n-Val.		0.030	
W.S. Elev (ft)	7072.39	Reach Len. (ft)	18.66	14.84	8.66
Crit W.S. (ft)	7072.41	Flow Area (sq ft)		47.96	
E.G. Slope (ft/ft)	0.013747	Area (sq ft)		47.96	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	44.21	Top Width (ft)		44.21	
Vel Total (ft/s)	6.11	Avg. Vel. (ft/s)		6.11	
Max Chl Dpth (ft)	1.31	Hydr. Depth (ft)		1.08	
Conv. Total (cfs)	2499.0	Conv. (cfs)		2499.0	
Length Wtd. (ft)	14.84	Wetted Per. (ft)		44.45	
Min Ch El (ft)	7071.08	Shear (lb/sq ft)		0.93	
Alpha	1.00	Stream Power (lb/ft s)		5.66	
Frctn Loss (ft)	0.22	Cum Volume (acre-ft)	0.00	2.87	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.38	0.08

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program selected the water surface that had the least amount of error between computed and assumed values.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3070.33* Profile: Q100

E.G. Elev (ft)	7072.75	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.62	Wt. n-Val.		0.030	
W.S. Elev (ft)	7072.14	Reach Len. (ft)	18.66	14.84	8.66
Crit W.S. (ft)	7072.19	Flow Area (sq ft)		46.48	
E.G. Slope (ft/ft)	0.015388	Area (sq ft)		46.48	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	44.52	Top Width (ft)		44.52	
Vel Total (ft/s)	6.30	Avg. Vel. (ft/s)		6.30	
Max Chl Dpth (ft)	1.27	Hydr. Depth (ft)		1.04	
Conv. Total (cfs)	2362.0	Conv. (cfs)		2362.0	
Length Wtd. (ft)	14.84	Wetted Per. (ft)		44.73	
Min Ch El (ft)	7070.87	Shear (lb/sq ft)		1.00	
Alpha	1.00	Stream Power (lb/ft s)		6.29	
Frctn Loss (ft)	0.23	Cum Volume (acre-ft)	0.00	2.85	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.37	0.08

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3055.50* Profile: Q100

E.G. Elev (ft)	7072.52	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.60	Wt. n-Val.		0.030	
W.S. Elev (ft)	7071.92	Reach Len. (ft)	18.66	14.84	8.66
Crit W.S. (ft)	7071.97	Flow Area (sq ft)		47.07	
E.G. Slope (ft/ft)	0.015010	Area (sq ft)		47.07	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	45.09	Top Width (ft)		45.09	
Vel Total (ft/s)	6.23	Avg. Vel. (ft/s)		6.23	
Max Chl Dpth (ft)	1.27	Hydr. Depth (ft)		1.04	
Conv. Total (cfs)	2391.6	Conv. (cfs)		2391.6	
Length Wtd. (ft)	14.84	Wetted Per. (ft)		45.30	
Min Ch El (ft)	7070.65	Shear (lb/sq ft)		0.97	
Alpha	1.00	Stream Power (lb/ft s)		6.06	
Frctn Loss (ft)	0.22	Cum Volume (acre-ft)	0.00	2.84	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.35	0.08

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3040.67* Profile: Q100

E.G. Elev (ft)	7072.29	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.59	Wt. n-Val.		0.030	
W.S. Elev (ft)	7071.70	Reach Len. (ft)	18.66	14.84	8.66
Crit W.S. (ft)	7071.75	Flow Area (sq ft)		47.51	
E.G. Slope (ft/ft)	0.014775	Area (sq ft)		47.51	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	45.62	Top Width (ft)		45.62	
Vel Total (ft/s)	6.17	Avg. Vel. (ft/s)		6.17	
Max Chl Dpth (ft)	1.27	Hydr. Depth (ft)		1.04	
Conv. Total (cfs)	2410.5	Conv. (cfs)		2410.5	
Length Wtd. (ft)	14.84	Wetted Per. (ft)		45.84	
Min Ch El (ft)	7070.43	Shear (lb/sq ft)		0.96	
Alpha	1.00	Stream Power (lb/ft s)		5.90	
Frctn Loss (ft)	0.22	Cum Volume (acre-ft)	0.00	2.82	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.34	0.08

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3025.83* Profile: Q100

E.G. Elev (ft)	7072.06	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.60	Wt. n-Val.		0.030	
W.S. Elev (ft)	7071.46	Reach Len. (ft)	18.67	14.83	8.67
Crit W.S. (ft)	7071.51	Flow Area (sq ft)		47.11	
E.G. Slope (ft/ft)	0.015326	Area (sq ft)		47.11	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	45.89	Top Width (ft)		45.89	
Vel Total (ft/s)	6.22	Avg. Vel. (ft/s)		6.22	
Max Chl Dpth (ft)	1.24	Hydr. Depth (ft)		1.03	
Conv. Total (cfs)	2366.8	Conv. (cfs)		2366.8	
Length Wtd. (ft)	14.83	Wetted Per. (ft)		46.11	
Min Ch El (ft)	7070.22	Shear (lb/sq ft)		0.98	
Alpha	1.00	Stream Power (lb/ft s)		6.08	
Frctn Loss (ft)	0.23	Cum Volume (acre-ft)	0.00	2.80	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.32	0.08

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3011 Profile: Q100

E.G. Elev (ft)	7071.82	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.62	Wt. n-Val.		0.030	
W.S. Elev (ft)	7071.20	Reach Len. (ft)	26.50	31.00	33.50
Crit W.S. (ft)	7071.27	Flow Area (sq ft)		46.35	
E.G. Slope (ft/ft)	0.016185	Area (sq ft)		46.35	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	45.91	Top Width (ft)		45.91	
Vel Total (ft/s)	6.32	Avg. Vel. (ft/s)		6.32	
Max Chl Dpth (ft)	1.20	Hydr. Depth (ft)		1.01	
Conv. Total (cfs)	2303.1	Conv. (cfs)		2303.1	
Length Wtd. (ft)	31.00	Wetted Per. (ft)		46.14	
Min Ch El (ft)	7070.00	Shear (lb/sq ft)		1.02	
Alpha	1.00	Stream Power (lb/ft s)		6.42	
Frctn Loss (ft)	0.46	Cum Volume (acre-ft)	0.00	2.79	0.04
C & E Loss (ft)	0.03	Cum SA (acres)	0.00	3.30	0.08

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2980.00* Profile: Q100

E.G. Elev (ft)	7071.39	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.58	Wt. n-Val.		0.030	
W.S. Elev (ft)	7070.81	Reach Len. (ft)	26.50	31.00	33.50
Crit W.S. (ft)	7070.85	Flow Area (sq ft)		48.02	
E.G. Slope (ft/ft)	0.015344	Area (sq ft)		48.02	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	48.21	Top Width (ft)		48.21	
Vel Total (ft/s)	6.10	Avg. Vel. (ft/s)		6.10	
Max Chl Dpth (ft)	1.26	Hydr. Depth (ft)		1.00	
Conv. Total (cfs)	2365.4	Conv. (cfs)		2365.4	
Length Wtd. (ft)	31.00	Wetted Per. (ft)		48.41	
Min Ch El (ft)	7069.55	Shear (lb/sq ft)		0.95	
Alpha	1.00	Stream Power (lb/ft s)		5.80	
Frctn Loss (ft)	0.47	Cum Volume (acre-ft)	0.00	2.75	0.04
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	3.27	0.08

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program selected the water surface that had the least amount of error between computed and assumed values.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2949.00* Profile: Q100

E.G. Elev (ft)	7070.91	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.55	Wt. n-Val.		0.030	
W.S. Elev (ft)	7070.36	Reach Len. (ft)	26.50	31.00	33.50
Crit W.S. (ft)	7070.39	Flow Area (sq ft)		49.25	
E.G. Slope (ft/ft)	0.014766	Area (sq ft)		49.25	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	49.91	Top Width (ft)		49.91	
Vel Total (ft/s)	5.95	Avg. Vel. (ft/s)		5.95	
Max Chl Dpth (ft)	1.26	Hydr. Depth (ft)		0.99	
Conv. Total (cfs)	2411.2	Conv. (cfs)		2411.2	
Length Wtd. (ft)	31.00	Wetted Per. (ft)		50.12	
Min Ch El (ft)	7069.10	Shear (lb/sq ft)		0.91	
Alpha	1.00	Stream Power (lb/ft s)		5.39	
Frctn Loss (ft)	0.51	Cum Volume (acre-ft)	0.00	2.72	0.04
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	3.24	0.08

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2918.00* Profile: Q100

E.G. Elev (ft)	7070.40	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.62	Wt. n-Val.		0.030	
W.S. Elev (ft)	7069.78	Reach Len. (ft)	26.50	31.00	33.50
Crit W.S. (ft)	7069.88	Flow Area (sq ft)		46.48	
E.G. Slope (ft/ft)	0.018263	Area (sq ft)		46.48	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	50.64	Top Width (ft)		50.64	
Vel Total (ft/s)	6.30	Avg. Vel. (ft/s)		6.30	
Max Chl Dpth (ft)	1.13	Hydr. Depth (ft)		0.92	
Conv. Total (cfs)	2168.1	Conv. (cfs)		2168.1	
Length Wtd. (ft)	31.00	Wetted Per. (ft)		50.86	
Min Ch El (ft)	7068.65	Shear (lb/sq ft)		1.04	
Alpha	1.00	Stream Power (lb/ft s)		6.57	
Frctn Loss (ft)	0.57	Cum Volume (acre-ft)	0.00	2.69	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.20	0.08

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2887 Profile: Q100

E.G. Elev (ft)	7069.83	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.61	Wt. n-Val.		0.030	
W.S. Elev (ft)	7069.22	Reach Len. (ft)	31.40	29.40	30.40
Crit W.S. (ft)	7069.32	Flow Area (sq ft)		46.80	
E.G. Slope (ft/ft)	0.018454	Area (sq ft)		46.80	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	51.82	Top Width (ft)		51.82	
Vel Total (ft/s)	6.26	Avg. Vel. (ft/s)		6.26	
Max Chl Dpth (ft)	1.02	Hydr. Depth (ft)		0.90	
Conv. Total (cfs)	2156.9	Conv. (cfs)		2156.9	
Length Wtd. (ft)	29.40	Wetted Per. (ft)		52.14	
Min Ch El (ft)	7068.20	Shear (lb/sq ft)		1.03	
Alpha	1.00	Stream Power (lb/ft s)		6.47	
Frctn Loss (ft)	0.56	Cum Volume (acre-ft)	0.00	2.65	0.04
C & E Loss (ft)	0.03	Cum SA (acres)	0.00	3.16	0.08

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2857.60* Profile: Q100

E.G. Elev (ft)	7069.24	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.51	Wt. n-Val.		0.030	
W.S. Elev (ft)	7068.73	Reach Len. (ft)	31.40	29.40	30.40
Crit W.S. (ft)	7068.80	Flow Area (sq ft)		51.12	
E.G. Slope (ft/ft)	0.019651	Area (sq ft)		51.12	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	68.06	Top Width (ft)		68.06	
Vel Total (ft/s)	5.73	Avg. Vel. (ft/s)		5.73	
Max Chl Dpth (ft)	0.96	Hydr. Depth (ft)		0.75	
Conv. Total (cfs)	2090.1	Conv. (cfs)		2090.1	
Length Wtd. (ft)	29.40	Wetted Per. (ft)		68.15	
Min Ch El (ft)	7067.76	Shear (lb/sq ft)		0.92	
Alpha	1.00	Stream Power (lb/ft s)		5.27	
Frctn Loss (ft)	0.52	Cum Volume (acre-ft)	0.00	2.62	0.04
C & E Loss (ft)	0.04	Cum SA (acres)	0.00	3.12	0.08

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2828.20* Profile: Q100

E.G. Elev (ft)	7068.67	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.37	Wt. n-Val.		0.030	
W.S. Elev (ft)	7068.30	Reach Len. (ft)	31.40	29.40	30.40
Crit W.S. (ft)	7068.31	Flow Area (sq ft)		60.17	
E.G. Slope (ft/ft)	0.016120	Area (sq ft)		60.17	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	88.26	Top Width (ft)		88.26	
Vel Total (ft/s)	4.87	Avg. Vel. (ft/s)		4.87	
Max Chl Dpth (ft)	0.98	Hydr. Depth (ft)		0.68	
Conv. Total (cfs)	2307.7	Conv. (cfs)		2307.7	
Length Wtd. (ft)	29.40	Wetted Per. (ft)		88.31	
Min Ch El (ft)	7067.32	Shear (lb/sq ft)		0.69	
Alpha	1.00	Stream Power (lb/ft s)		3.34	
Frctn Loss (ft)	0.54	Cum Volume (acre-ft)	0.00	2.58	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.07	0.08

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2798.80* Profile: Q100

E.G. Elev (ft)	7068.14	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.36	Wt. n-Val.		0.030	
W.S. Elev (ft)	7067.78	Reach Len. (ft)	31.40	29.40	30.40
Crit W.S. (ft)	7067.83	Flow Area (sq ft)		60.58	
E.G. Slope (ft/ft)	0.020927	Area (sq ft)		60.58	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	109.22	Top Width (ft)		109.22	
Vel Total (ft/s)	4.84	Avg. Vel. (ft/s)		4.84	
Max Chl Dpth (ft)	0.90	Hydr. Depth (ft)		0.55	
Conv. Total (cfs)	2025.4	Conv. (cfs)		2025.4	
Length Wtd. (ft)	29.40	Wetted Per. (ft)		109.25	
Min Ch El (ft)	7066.88	Shear (lb/sq ft)		0.72	
Alpha	1.00	Stream Power (lb/ft s)		3.50	
Frctn Loss (ft)	0.55	Cum Volume (acre-ft)	0.00	2.54	0.04
C & E Loss (ft)	0.02	Cum SA (acres)	0.00	3.00	0.08

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2769.40* Profile: Q100

E.G. Elev (ft)	7067.61	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.32	Wt. n-Val.		0.030	0.054
W.S. Elev (ft)	7067.29	Reach Len. (ft)	31.40	29.40	30.40
Crit W.S. (ft)	7067.32	Flow Area (sq ft)		64.38	0.24
E.G. Slope (ft/ft)	0.020461	Area (sq ft)		64.38	0.24
Q Total (cfs)	293.00	Flow (cfs)		292.76	0.24
Top Width (ft)	127.15	Top Width (ft)		125.17	1.98
Vel Total (ft/s)	4.53	Avg. Vel. (ft/s)		4.55	0.97
Max Chl Dpth (ft)	0.85	Hydr. Depth (ft)		0.51	0.12
Conv. Total (cfs)	2048.4	Conv. (cfs)		2046.7	1.7
Length Wtd. (ft)	29.40	Wetted Per. (ft)		125.20	1.99
Min Ch El (ft)	7066.44	Shear (lb/sq ft)		0.66	0.16
Alpha	1.01	Stream Power (lb/ft s)		2.99	0.15
Frctn Loss (ft)	0.54	Cum Volume (acre-ft)	0.00	2.50	0.04
C & E Loss (ft)	0.02	Cum SA (acres)	0.00	2.92	0.08

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program selected the water surface that had the least amount of error between computed and assumed values.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2740 Profile: Q100

E.G. Elev (ft)	7067.08	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.29	Wt. n-Val.		0.030	0.059
W.S. Elev (ft)	7066.79	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)	7066.83	Flow Area (sq ft)		67.34	1.24
E.G. Slope (ft/ft)	0.021048	Area (sq ft)		67.34	1.24
Q Total (cfs)	293.00	Flow (cfs)		291.22	1.78
Top Width (ft)	149.24	Top Width (ft)		144.19	5.05
Vel Total (ft/s)	4.27	Avg. Vel. (ft/s)		4.32	1.43
Max Chl Dpth (ft)	0.79	Hydr. Depth (ft)		0.47	0.25
Conv. Total (cfs)	2019.6	Conv. (cfs)		2007.3	12.3
Length Wtd. (ft)	20.00	Wetted Per. (ft)		144.23	5.07
Min Ch El (ft)	7066.00	Shear (lb/sq ft)		0.61	0.32
Alpha	1.02	Stream Power (lb/ft s)		2.65	0.46
Frctn Loss (ft)	0.41	Cum Volume (acre-ft)	0.00	2.45	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	2.83	0.08

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program selected the
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Errors Warnings and Notes (Continued)

water surface that had the least amount of error between computed and assumed values.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2720.00* Profile: Q100

E.G. Elev (ft)	7066.67	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.29	Wt. n-Val.		0.030	0.059
W.S. Elev (ft)	7066.38	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)	7066.41	Flow Area (sq ft)		66.92	1.25
E.G. Slope (ft/ft)	0.019912	Area (sq ft)		66.92	1.25
Q Total (cfs)	293.00	Flow (cfs)		291.24	1.76
Top Width (ft)	141.15	Top Width (ft)		136.16	4.99
Vel Total (ft/s)	4.30	Avg. Vel. (ft/s)		4.35	1.41
Max Chl Dpth (ft)	0.81	Hydr. Depth (ft)		0.49	0.25
Conv. Total (cfs)	2076.4	Conv. (cfs)		2063.9	12.5
Length Wtd. (ft)	20.00	Wetted Per. (ft)		136.19	5.02
Min Ch El (ft)	7065.57	Shear (lb/sq ft)		0.61	0.31
Alpha	1.02	Stream Power (lb/ft s)		2.66	0.44
Frctn Loss (ft)	0.40	Cum Volume (acre-ft)	0.00	2.42	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	2.77	0.08

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2700.00* Profile: Q100

E.G. Elev (ft)	7066.27	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.31	Wt. n-Val.		0.030	0.059
W.S. Elev (ft)	7065.96	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)	7065.99	Flow Area (sq ft)		65.12	1.21
E.G. Slope (ft/ft)	0.020105	Area (sq ft)		65.12	1.21
Q Total (cfs)	293.00	Flow (cfs)		291.27	1.73
Top Width (ft)	132.88	Top Width (ft)		128.09	4.78
Vel Total (ft/s)	4.42	Avg. Vel. (ft/s)		4.47	1.43
Max Chl Dpth (ft)	0.83	Hydr. Depth (ft)		0.51	0.25
Conv. Total (cfs)	2066.4	Conv. (cfs)		2054.2	12.2
Length Wtd. (ft)	20.00	Wetted Per. (ft)		128.13	4.81
Min Ch El (ft)	7065.13	Shear (lb/sq ft)		0.64	0.32
Alpha	1.02	Stream Power (lb/ft s)		2.85	0.45
Frctn Loss (ft)	0.40	Cum Volume (acre-ft)	0.00	2.39	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	2.71	0.07

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2680.00* Profile: Q100

E.G. Elev (ft)	7065.87	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.32	Wt. n-Val.		0.030	0.059
W.S. Elev (ft)	7065.55	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)	7065.58	Flow Area (sq ft)		64.09	1.25
E.G. Slope (ft/ft)	0.019527	Area (sq ft)		64.09	1.25
Q Total (cfs)	293.00	Flow (cfs)		291.21	1.80
Top Width (ft)	125.19	Top Width (ft)		120.45	4.74
Vel Total (ft/s)	4.48	Avg. Vel. (ft/s)		4.54	1.44
Max Chl Dpth (ft)	0.85	Hydr. Depth (ft)		0.53	0.26
Conv. Total (cfs)	2096.8	Conv. (cfs)		2083.9	12.8
Length Wtd. (ft)	20.00	Wetted Per. (ft)		120.48	4.77
Min Ch El (ft)	7064.70	Shear (lb/sq ft)		0.65	0.32
Alpha	1.02	Stream Power (lb/ft s)		2.95	0.46
Frctn Loss (ft)	0.39	Cum Volume (acre-ft)	0.00	2.36	0.03
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	2.65	0.07

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2660.00* Profile: Q100

E.G. Elev (ft)	7065.47	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.33	Wt. n-Val.		0.030	0.059
W.S. Elev (ft)	7065.14	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)	7065.18	Flow Area (sq ft)		62.63	1.25
E.G. Slope (ft/ft)	0.019428	Area (sq ft)		62.63	1.25
Q Total (cfs)	293.00	Flow (cfs)		291.19	1.81
Top Width (ft)	117.97	Top Width (ft)		113.31	4.66
Vel Total (ft/s)	4.59	Avg. Vel. (ft/s)		4.65	1.45
Max Chl Dpth (ft)	0.87	Hydr. Depth (ft)		0.55	0.27
Conv. Total (cfs)	2102.1	Conv. (cfs)		2089.1	13.0
Length Wtd. (ft)	20.00	Wetted Per. (ft)		113.34	4.69
Min Ch El (ft)	7064.27	Shear (lb/sq ft)		0.67	0.32
Alpha	1.02	Stream Power (lb/ft s)		3.12	0.47
Frctn Loss (ft)	0.38	Cum Volume (acre-ft)	0.00	2.34	0.03
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	2.60	0.07

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2640.00* Profile: Q100

E.G. Elev (ft)	7065.08	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.34	Wt. n-Val.		0.030	0.059
W.S. Elev (ft)	7064.74	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)	7064.77	Flow Area (sq ft)		61.94	1.32
E.G. Slope (ft/ft)	0.018771	Area (sq ft)		61.94	1.32
Q Total (cfs)	293.00	Flow (cfs)		291.05	1.95
Top Width (ft)	112.11	Top Width (ft)		107.47	4.64
Vel Total (ft/s)	4.63	Avg. Vel. (ft/s)		4.70	1.48
Max Chl Dpth (ft)	0.91	Hydr. Depth (ft)		0.58	0.28
Conv. Total (cfs)	2138.6	Conv. (cfs)		2124.3	14.3
Length Wtd. (ft)	20.00	Wetted Per. (ft)		107.50	4.67
Min Ch El (ft)	7063.83	Shear (lb/sq ft)		0.68	0.33
Alpha	1.02	Stream Power (lb/ft s)		3.17	0.49
Frctn Loss (ft)	0.38	Cum Volume (acre-ft)	0.00	2.31	0.03
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	2.55	0.07

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2620.00* Profile: Q100

E.G. Elev (ft)	7064.69	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.36	Wt. n-Val.		0.030	0.059
W.S. Elev (ft)	7064.34	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)	7064.37	Flow Area (sq ft)		60.64	1.35
E.G. Slope (ft/ft)	0.019145	Area (sq ft)		60.64	1.35
Q Total (cfs)	293.00	Flow (cfs)		290.94	2.06
Top Width (ft)	108.10	Top Width (ft)		103.50	4.59
Vel Total (ft/s)	4.73	Avg. Vel. (ft/s)		4.80	1.53
Max Chl Dpth (ft)	0.94	Hydr. Depth (ft)		0.59	0.29
Conv. Total (cfs)	2117.6	Conv. (cfs)		2102.7	14.9
Length Wtd. (ft)	20.00	Wetted Per. (ft)		103.53	4.63
Min Ch El (ft)	7063.40	Shear (lb/sq ft)		0.70	0.35
Alpha	1.02	Stream Power (lb/ft s)		3.36	0.53
Frctn Loss (ft)	0.38	Cum Volume (acre-ft)	0.00	2.28	0.03
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	2.50	0.06

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2600.00* Profile: Q100

E.G. Elev (ft)	7064.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.37	Wt. n-Val.		0.030	0.059
W.S. Elev (ft)	7063.94	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)	7063.98	Flow Area (sq ft)		59.70	1.41
E.G. Slope (ft/ft)	0.018647	Area (sq ft)		59.70	1.41
Q Total (cfs)	293.00	Flow (cfs)		290.81	2.19
Top Width (ft)	102.25	Top Width (ft)		97.64	4.60
Vel Total (ft/s)	4.79	Avg. Vel. (ft/s)		4.87	1.55
Max Chl Dpth (ft)	0.97	Hydr. Depth (ft)		0.61	0.31
Conv. Total (cfs)	2145.7	Conv. (cfs)		2129.6	16.0
Length Wtd. (ft)	20.00	Wetted Per. (ft)		97.67	4.64
Min Ch El (ft)	7062.97	Shear (lb/sq ft)		0.71	0.35
Alpha	1.03	Stream Power (lb/ft s)		3.47	0.55
Frctn Loss (ft)	0.37	Cum Volume (acre-ft)	0.00	2.25	0.03
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	2.45	0.06

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2580.00* Profile: Q100

E.G. Elev (ft)	7063.93	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.38	Wt. n-Val.		0.030	0.059
W.S. Elev (ft)	7063.55	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)	7063.58	Flow Area (sq ft)		58.34	1.48
E.G. Slope (ft/ft)	0.018195	Area (sq ft)		58.34	1.48
Q Total (cfs)	293.00	Flow (cfs)		290.64	2.36
Top Width (ft)	95.11	Top Width (ft)		90.56	4.55
Vel Total (ft/s)	4.90	Avg. Vel. (ft/s)		4.98	1.60
Max Chl Dpth (ft)	1.02	Hydr. Depth (ft)		0.64	0.33
Conv. Total (cfs)	2172.2	Conv. (cfs)		2154.6	17.5
Length Wtd. (ft)	20.00	Wetted Per. (ft)		90.60	4.60
Min Ch El (ft)	7062.53	Shear (lb/sq ft)		0.73	0.37
Alpha	1.03	Stream Power (lb/ft s)		3.64	0.58
Frctn Loss (ft)	0.36	Cum Volume (acre-ft)	0.00	2.22	0.03
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	2.41	0.06

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2560.00* Profile: Q100

E.G. Elev (ft)	7063.57	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.40	Wt. n-Val.		0.030	0.059
W.S. Elev (ft)	7063.17	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)	7063.20	Flow Area (sq ft)		57.00	1.58
E.G. Slope (ft/ft)	0.017632	Area (sq ft)		57.00	1.58
Q Total (cfs)	293.00	Flow (cfs)		290.42	2.58
Top Width (ft)	88.13	Top Width (ft)		83.54	4.59
Vel Total (ft/s)	5.00	Avg. Vel. (ft/s)		5.10	1.63
Max Chl Dpth (ft)	1.07	Hydr. Depth (ft)		0.68	0.34
Conv. Total (cfs)	2206.5	Conv. (cfs)		2187.1	19.4
Length Wtd. (ft)	20.00	Wetted Per. (ft)		83.59	4.64
Min Ch El (ft)	7062.10	Shear (lb/sq ft)		0.75	0.38
Alpha	1.03	Stream Power (lb/ft s)		3.82	0.61
Frctn Loss (ft)	0.36	Cum Volume (acre-ft)	0.00	2.20	0.03
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	2.37	0.06

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2540.00* Profile: Q100

E.G. Elev (ft)	7063.22	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.44	Wt. n-Val.		0.030	0.059
W.S. Elev (ft)	7062.78	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)	7062.83	Flow Area (sq ft)		54.54	1.67
E.G. Slope (ft/ft)	0.018098	Area (sq ft)		54.54	1.67
Q Total (cfs)	293.00	Flow (cfs)		290.14	2.86
Top Width (ft)	80.94	Top Width (ft)		76.38	4.56
Vel Total (ft/s)	5.21	Avg. Vel. (ft/s)		5.32	1.72
Max Chl Dpth (ft)	1.11	Hydr. Depth (ft)		0.71	0.37
Conv. Total (cfs)	2177.9	Conv. (cfs)		2156.7	21.3
Length Wtd. (ft)	20.00	Wetted Per. (ft)		76.44	4.62
Min Ch El (ft)	7061.67	Shear (lb/sq ft)		0.81	0.41
Alpha	1.03	Stream Power (lb/ft s)		4.29	0.70
Frctn Loss (ft)	0.34	Cum Volume (acre-ft)	0.00	2.17	0.03
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	2.33	0.06

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2520.00* Profile: Q100

E.G. Elev (ft)	7062.88	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.44	Wt. n-Val.		0.030	0.059
W.S. Elev (ft)	7062.44	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)	7062.47	Flow Area (sq ft)		54.21	1.91
E.G. Slope (ft/ft)	0.016243	Area (sq ft)		54.21	1.91
Q Total (cfs)	293.00	Flow (cfs)		289.66	3.34
Top Width (ft)	74.17	Top Width (ft)		69.52	4.65
Vel Total (ft/s)	5.22	Avg. Vel. (ft/s)		5.34	1.75
Max Chl Dpth (ft)	1.21	Hydr. Depth (ft)		0.78	0.41
Conv. Total (cfs)	2299.0	Conv. (cfs)		2272.8	26.2
Length Wtd. (ft)	20.00	Wetted Per. (ft)		69.60	4.72
Min Ch El (ft)	7061.23	Shear (lb/sq ft)		0.79	0.41
Alpha	1.04	Stream Power (lb/ft s)		4.22	0.72
Frctn Loss (ft)	0.32	Cum Volume (acre-ft)	0.00	2.15	0.03
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	2.30	0.05

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2500 Profile: Q100

E.G. Elev (ft)	7062.56	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.46	Wt. n-Val.		0.030	0.059
W.S. Elev (ft)	7062.09	Reach Len. (ft)	28.67	29.00	29.33
Crit W.S. (ft)	7062.12	Flow Area (sq ft)		52.57	2.13
E.G. Slope (ft/ft)	0.015486	Area (sq ft)		52.57	2.13
Q Total (cfs)	293.00	Flow (cfs)		288.99	4.01
Top Width (ft)	66.77	Top Width (ft)		62.30	4.48
Vel Total (ft/s)	5.36	Avg. Vel. (ft/s)		5.50	1.88
Max Chl Dpth (ft)	1.29	Hydr. Depth (ft)		0.84	0.48
Conv. Total (cfs)	2354.5	Conv. (cfs)		2322.3	32.2
Length Wtd. (ft)	29.00	Wetted Per. (ft)		62.41	4.58
Min Ch El (ft)	7060.80	Shear (lb/sq ft)		0.81	0.45
Alpha	1.04	Stream Power (lb/ft s)		4.48	0.85
Frctn Loss (ft)	0.59	Cum Volume (acre-ft)	0.00	2.12	0.03
C & E Loss (ft)	0.02	Cum SA (acres)	0.00	2.27	0.05

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2471.00* Profile: Q100

E.G. Elev (ft)	7061.96	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.63	Wt. n-Val.		0.030	0.059
W.S. Elev (ft)	7061.33	Reach Len. (ft)	28.67	29.00	29.33
Crit W.S. (ft)	7061.48	Flow Area (sq ft)		45.17	1.58
E.G. Slope (ft/ft)	0.027662	Area (sq ft)		45.17	1.58
Q Total (cfs)	293.00	Flow (cfs)		289.35	3.65
Top Width (ft)	69.56	Top Width (ft)		65.79	3.77
Vel Total (ft/s)	6.27	Avg. Vel. (ft/s)		6.41	2.31
Max Chl Dpth (ft)	1.18	Hydr. Depth (ft)		0.69	0.42
Conv. Total (cfs)	1761.7	Conv. (cfs)		1739.7	21.9
Length Wtd. (ft)	29.00	Wetted Per. (ft)		65.86	3.86
Min Ch El (ft)	7060.15	Shear (lb/sq ft)		1.18	0.71
Alpha	1.03	Stream Power (lb/ft s)		7.59	1.63
Frctn Loss (ft)	0.66	Cum Volume (acre-ft)	0.00	2.09	0.03
C & E Loss (ft)	0.05	Cum SA (acres)	0.00	2.23	0.05

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2442.00* Profile: Q100

E.G. Elev (ft)	7061.26	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.47	Wt. n-Val.		0.030	0.059
W.S. Elev (ft)	7060.79	Reach Len. (ft)	28.67	29.00	29.33
Crit W.S. (ft)	7060.85	Flow Area (sq ft)		52.05	1.92
E.G. Slope (ft/ft)	0.018859	Area (sq ft)		52.05	1.92
Q Total (cfs)	293.00	Flow (cfs)		288.86	4.14
Top Width (ft)	74.36	Top Width (ft)		70.56	3.80
Vel Total (ft/s)	5.43	Avg. Vel. (ft/s)		5.55	2.15
Max Chl Dpth (ft)	1.29	Hydr. Depth (ft)		0.74	0.51
Conv. Total (cfs)	2133.6	Conv. (cfs)		2103.4	30.1
Length Wtd. (ft)	29.00	Wetted Per. (ft)		70.63	3.93
Min Ch El (ft)	7059.50	Shear (lb/sq ft)		0.87	0.58
Alpha	1.03	Stream Power (lb/ft s)		4.82	1.24
Frctn Loss (ft)	0.62	Cum Volume (acre-ft)	0.00	2.06	0.03
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	2.18	0.05

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2413.00* Profile: Q100

E.G. Elev (ft)	7060.64	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.53	Wt. n-Val.		0.030	0.059
W.S. Elev (ft)	7060.11	Reach Len. (ft)	28.67	29.00	29.33
Crit W.S. (ft)	7060.23	Flow Area (sq ft)		49.12	1.79
E.G. Slope (ft/ft)	0.024313	Area (sq ft)		49.12	1.79
Q Total (cfs)	293.00	Flow (cfs)		288.55	4.45
Top Width (ft)	77.38	Top Width (ft)		73.96	3.41
Vel Total (ft/s)	5.76	Avg. Vel. (ft/s)		5.87	2.48
Max Chl Dpth (ft)	1.26	Hydr. Depth (ft)		0.66	0.52
Conv. Total (cfs)	1879.1	Conv. (cfs)		1850.5	28.5
Length Wtd. (ft)	29.01	Wetted Per. (ft)		74.03	3.56
Min Ch El (ft)	7058.85	Shear (lb/sq ft)		1.01	0.76
Alpha	1.03	Stream Power (lb/ft s)		5.92	1.90
Frctn Loss (ft)	0.63	Cum Volume (acre-ft)	0.00	2.02	0.02
C & E Loss (ft)	0.03	Cum SA (acres)	0.00	2.13	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2384.00* Profile: Q100

E.G. Elev (ft)	7059.99	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.44	Wt. n-Val.		0.030	0.059
W.S. Elev (ft)	7059.55	Reach Len. (ft)	28.67	29.00	29.33
Crit W.S. (ft)	7059.60	Flow Area (sq ft)		53.83	2.01
E.G. Slope (ft/ft)	0.019379	Area (sq ft)		53.83	2.01
Q Total (cfs)	293.00	Flow (cfs)		288.15	4.85
Top Width (ft)	81.97	Top Width (ft)		78.64	3.34
Vel Total (ft/s)	5.25	Avg. Vel. (ft/s)		5.35	2.41
Max Chl Dpth (ft)	1.35	Hydr. Depth (ft)		0.68	0.60
Conv. Total (cfs)	2104.8	Conv. (cfs)		2070.0	34.8
Length Wtd. (ft)	29.01	Wetted Per. (ft)		78.71	3.53
Min Ch El (ft)	7058.20	Shear (lb/sq ft)		0.83	0.69
Alpha	1.03	Stream Power (lb/ft s)		4.43	1.66
Frctn Loss (ft)	0.61	Cum Volume (acre-ft)	0.00	1.99	0.02
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	2.08	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2355.00* Profile: Q100

E.G. Elev (ft)	7059.38	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.47	Wt. n-Val.		0.030	0.059
W.S. Elev (ft)	7058.91	Reach Len. (ft)	28.67	29.00	29.33
Crit W.S. (ft)	7058.99	Flow Area (sq ft)		52.08	1.96
E.G. Slope (ft/ft)	0.022748	Area (sq ft)		52.08	1.96
Q Total (cfs)	293.00	Flow (cfs)		287.74	5.26
Top Width (ft)	84.88	Top Width (ft)		81.81	3.07
Vel Total (ft/s)	5.42	Avg. Vel. (ft/s)		5.52	2.68
Max Chl Dpth (ft)	1.36	Hydr. Depth (ft)		0.64	0.64
Conv. Total (cfs)	1942.6	Conv. (cfs)		1907.7	34.9
Length Wtd. (ft)	29.01	Wetted Per. (ft)		81.90	3.30
Min Ch El (ft)	7057.55	Shear (lb/sq ft)		0.90	0.84
Alpha	1.02	Stream Power (lb/ft s)		4.99	2.26
Frctn Loss (ft)	0.62	Cum Volume (acre-ft)	0.00	1.95	0.02
C & E Loss (ft)	0.02	Cum SA (acres)	0.00	2.03	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2326 Profile: Q100

E.G. Elev (ft)	7058.75	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.41	Wt. n-Val.		0.030	0.059
W.S. Elev (ft)	7058.33	Reach Len. (ft)	21.60	27.80	28.00
Crit W.S. (ft)	7058.39	Flow Area (sq ft)		55.24	2.09
E.G. Slope (ft/ft)	0.020059	Area (sq ft)		55.24	2.09
Q Total (cfs)	293.00	Flow (cfs)		287.46	5.54
Top Width (ft)	89.32	Top Width (ft)		86.37	2.95
Vel Total (ft/s)	5.11	Avg. Vel. (ft/s)		5.20	2.66
Max Chl Dpth (ft)	1.43	Hydr. Depth (ft)		0.64	0.71
Conv. Total (cfs)	2068.8	Conv. (cfs)		2029.6	39.1
Length Wtd. (ft)	27.80	Wetted Per. (ft)		86.47	3.24
Min Ch El (ft)	7056.90	Shear (lb/sq ft)		0.80	0.81
Alpha	1.02	Stream Power (lb/ft s)		4.16	2.14
Frctn Loss (ft)	0.63	Cum Volume (acre-ft)	0.00	1.92	0.02
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	1.97	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2298.20* Profile: Q100

E.G. Elev (ft)	7058.12	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.50	Wt. n-Val.		0.030	0.059
W.S. Elev (ft)	7057.61	Reach Len. (ft)	21.60	27.80	28.00
Crit W.S. (ft)	7057.71	Flow Area (sq ft)		49.85	2.46
E.G. Slope (ft/ft)	0.025472	Area (sq ft)		49.85	2.46
Q Total (cfs)	293.00	Flow (cfs)		285.91	7.09
Top Width (ft)	84.49	Top Width (ft)		80.59	3.89
Vel Total (ft/s)	5.60	Avg. Vel. (ft/s)		5.74	2.88
Max Chl Dpth (ft)	1.29	Hydr. Depth (ft)		0.62	0.63
Conv. Total (cfs)	1835.9	Conv. (cfs)		1791.5	44.4
Length Wtd. (ft)	27.81	Wetted Per. (ft)		80.67	4.07
Min Ch El (ft)	7056.32	Shear (lb/sq ft)		0.98	0.96
Alpha	1.03	Stream Power (lb/ft s)		5.64	2.77
Frctn Loss (ft)	0.64	Cum Volume (acre-ft)	0.00	1.88	0.02
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	1.92	0.04

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2270.40* Profile: Q100

E.G. Elev (ft)	7057.46	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.47	Wt. n-Val.		0.030	0.059
W.S. Elev (ft)	7056.99	Reach Len. (ft)	21.60	27.80	28.00
Crit W.S. (ft)	7057.06	Flow Area (sq ft)		50.99	3.24
E.G. Slope (ft/ft)	0.020993	Area (sq ft)		50.99	3.24
Q Total (cfs)	293.00	Flow (cfs)		284.48	8.52
Top Width (ft)	79.50	Top Width (ft)		74.32	5.17
Vel Total (ft/s)	5.40	Avg. Vel. (ft/s)		5.58	2.63
Max Chl Dpth (ft)	1.25	Hydr. Depth (ft)		0.69	0.63
Conv. Total (cfs)	2022.2	Conv. (cfs)		1963.4	58.8
Length Wtd. (ft)	27.81	Wetted Per. (ft)		74.38	5.30
Min Ch El (ft)	7055.74	Shear (lb/sq ft)		0.90	0.80
Alpha	1.04	Stream Power (lb/ft s)		5.01	2.11
Frctn Loss (ft)	0.60	Cum Volume (acre-ft)	0.00	1.85	0.02
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	1.87	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2242.60* Profile: Q100

E.G. Elev (ft)	7056.84	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.53	Wt. n-Val.		0.030	0.059
W.S. Elev (ft)	7056.32	Reach Len. (ft)	21.60	27.80	28.00
Crit W.S. (ft)	7056.41	Flow Area (sq ft)		47.81	3.89
E.G. Slope (ft/ft)	0.022378	Area (sq ft)		47.81	3.89
Q Total (cfs)	293.00	Flow (cfs)		282.66	10.34
Top Width (ft)	73.49	Top Width (ft)		67.02	6.47
Vel Total (ft/s)	5.67	Avg. Vel. (ft/s)		5.91	2.66
Max Chl Dpth (ft)	1.15	Hydr. Depth (ft)		0.71	0.60
Conv. Total (cfs)	1958.6	Conv. (cfs)		1889.5	69.1
Length Wtd. (ft)	27.81	Wetted Per. (ft)		67.07	6.56
Min Ch El (ft)	7055.16	Shear (lb/sq ft)		1.00	0.83
Alpha	1.06	Stream Power (lb/ft s)		5.89	2.20
Frctn Loss (ft)	0.61	Cum Volume (acre-ft)	0.00	1.82	0.01
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	1.82	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2214.80* Profile: Q100

E.G. Elev (ft)	7056.23	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.55	Wt. n-Val.		0.030	0.059
W.S. Elev (ft)	7055.68	Reach Len. (ft)	21.60	27.80	28.00
Crit W.S. (ft)	7055.78	Flow Area (sq ft)		46.13	4.92
E.G. Slope (ft/ft)	0.021245	Area (sq ft)		46.13	4.92
Q Total (cfs)	293.00	Flow (cfs)		280.09	12.91
Top Width (ft)	67.79	Top Width (ft)		59.74	8.05
Vel Total (ft/s)	5.74	Avg. Vel. (ft/s)		6.07	2.63
Max Chl Dpth (ft)	1.10	Hydr. Depth (ft)		0.77	0.61
Conv. Total (cfs)	2010.2	Conv. (cfs)		1921.7	88.5
Length Wtd. (ft)	27.81	Wetted Per. (ft)		59.80	8.13
Min Ch El (ft)	7054.58	Shear (lb/sq ft)		1.02	0.80
Alpha	1.08	Stream Power (lb/ft s)		6.21	2.11
Frctn Loss (ft)	0.58	Cum Volume (acre-ft)	0.00	1.79	0.01
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	1.78	0.02

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2187 Profile: Q100

E.G. Elev (ft)	7055.64	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.59	Wt. n-Val.		0.030	0.059
W.S. Elev (ft)	7055.06	Reach Len. (ft)	30.40	28.40	26.60
Crit W.S. (ft)	7055.16	Flow Area (sq ft)		43.81	6.28
E.G. Slope (ft/ft)	0.020612	Area (sq ft)		43.81	6.28
Q Total (cfs)	293.00	Flow (cfs)		276.32	16.68
Top Width (ft)	62.26	Top Width (ft)		52.34	9.91
Vel Total (ft/s)	5.85	Avg. Vel. (ft/s)		6.31	2.65
Max Chl Dpth (ft)	1.05	Hydr. Depth (ft)		0.84	0.63
Conv. Total (cfs)	2040.8	Conv. (cfs)		1924.7	116.2
Length Wtd. (ft)	28.32	Wetted Per. (ft)		52.45	9.99
Min Ch El (ft)	7054.00	Shear (lb/sq ft)		1.07	0.81
Alpha	1.11	Stream Power (lb/ft s)		6.78	2.15
Frctn Loss (ft)	0.37	Cum Volume (acre-ft)	0.00	1.76	0.01
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	1.75	0.02

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2158.60* Profile: Q100

E.G. Elev (ft)	7055.25	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.45	Wt. n-Val.		0.030	0.059
W.S. Elev (ft)	7054.80	Reach Len. (ft)	30.40	28.40	26.60
Crit W.S. (ft)	7054.80	Flow Area (sq ft)		51.78	5.15
E.G. Slope (ft/ft)	0.013272	Area (sq ft)		51.78	5.15
Q Total (cfs)	293.00	Flow (cfs)		283.28	9.72
Top Width (ft)	64.80	Top Width (ft)		55.07	9.72
Vel Total (ft/s)	5.15	Avg. Vel. (ft/s)		5.47	1.89
Max Chl Dpth (ft)	1.20	Hydr. Depth (ft)		0.94	0.53
Conv. Total (cfs)	2543.3	Conv. (cfs)		2458.9	84.4
Length Wtd. (ft)	28.36	Wetted Per. (ft)		55.16	9.79
Min Ch El (ft)	7053.60	Shear (lb/sq ft)		0.78	0.44
Alpha	1.10	Stream Power (lb/ft s)		4.26	0.82
Frctn Loss (ft)	0.39	Cum Volume (acre-ft)	0.00	1.73	0.01
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	1.71	0.01

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
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Errors Warnings and Notes (Continued)

Warning:	During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
	water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The
	program defaulted to critical depth.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2130.20* Profile: Q100

E.G. Elev (ft)	7054.85	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.47	Wt. n-Val.		0.030	0.059
W.S. Elev (ft)	7054.38	Reach Len. (ft)	30.40	28.40	26.60
Crit W.S. (ft)	7054.40	Flow Area (sq ft)		52.28	2.48
E.G. Slope (ft/ft)	0.014469	Area (sq ft)		52.28	2.48
Q Total (cfs)	293.00	Flow (cfs)		289.10	3.90
Top Width (ft)	64.99	Top Width (ft)		58.42	6.57
Vel Total (ft/s)	5.35	Avg. Vel. (ft/s)		5.53	1.57
Max Chl Dpth (ft)	1.18	Hydr. Depth (ft)		0.89	0.38
Conv. Total (cfs)	2435.8	Conv. (cfs)		2403.4	32.4
Length Wtd. (ft)	28.38	Wetted Per. (ft)		58.47	6.65
Min Ch El (ft)	7053.20	Shear (lb/sq ft)		0.81	0.34
Alpha	1.06	Stream Power (lb/ft s)		4.47	0.53
Frctn Loss (ft)	0.41	Cum Volume (acre-ft)	0.00	1.70	0.00
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	1.68	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2101.80* Profile: Q100

E.G. Elev (ft)	7054.44	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.45	Wt. n-Val.		0.030	0.059
W.S. Elev (ft)	7053.99	Reach Len. (ft)	30.40	28.40	26.60
Crit W.S. (ft)	7054.00	Flow Area (sq ft)		53.86	1.61
E.G. Slope (ft/ft)	0.014095	Area (sq ft)		53.86	1.61
Q Total (cfs)	293.00	Flow (cfs)		290.32	2.68
Top Width (ft)	65.14	Top Width (ft)		61.33	3.81
Vel Total (ft/s)	5.28	Avg. Vel. (ft/s)		5.39	1.66
Max Chl Dpth (ft)	1.19	Hydr. Depth (ft)		0.88	0.42
Conv. Total (cfs)	2468.0	Conv. (cfs)		2445.4	22.5
Length Wtd. (ft)	28.39	Wetted Per. (ft)		61.36	3.90
Min Ch El (ft)	7052.80	Shear (lb/sq ft)		0.77	0.36
Alpha	1.03	Stream Power (lb/ft s)		4.16	0.60
Frctn Loss (ft)	0.42	Cum Volume (acre-ft)	0.00	1.66	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	1.64	0.00

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2073.40* Profile: Q100

E.G. Elev (ft)	7054.02	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.46	Wt. n-Val.		0.030	0.059
W.S. Elev (ft)	7053.56	Reach Len. (ft)	30.40	28.40	26.60
Crit W.S. (ft)	7053.58	Flow Area (sq ft)		53.26	1.14
E.G. Slope (ft/ft)	0.015210	Area (sq ft)		53.26	1.14
Q Total (cfs)	293.00	Flow (cfs)		291.22	1.78
Top Width (ft)	65.94	Top Width (ft)		62.85	3.08
Vel Total (ft/s)	5.39	Avg. Vel. (ft/s)		5.47	1.57
Max Chl Dpth (ft)	1.16	Hydr. Depth (ft)		0.85	0.37
Conv. Total (cfs)	2375.8	Conv. (cfs)		2361.3	14.5
Length Wtd. (ft)	28.39	Wetted Per. (ft)		62.90	3.17
Min Ch El (ft)	7052.40	Shear (lb/sq ft)		0.80	0.34
Alpha	1.02	Stream Power (lb/ft s)		4.40	0.53
Frctn Loss (ft)	0.40	Cum Volume (acre-ft)	0.00	1.63	0.00

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2073.40* Profile: Q100 (Continued)

C & E Loss (ft)	0.00	Cum SA (acres)	0.00	1.60	0.00
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2045 Profile: Q100

E.G. Elev (ft)	7053.60	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.42	Wt. n-Val.		0.030	
W.S. Elev (ft)	7053.18	Reach Len. (ft)	35.80	29.20	28.80
Crit W.S. (ft)	7053.18	Flow Area (sq ft)		56.47	
E.G. Slope (ft/ft)	0.014345	Area (sq ft)		56.47	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	68.89	Top Width (ft)		68.89	
Vel Total (ft/s)	5.19	Avg. Vel. (ft/s)		5.19	
Max Chl Dpth (ft)	1.18	Hydr. Depth (ft)		0.82	
Conv. Total (cfs)	2446.4	Conv. (cfs)		2446.4	
Length Wtd. (ft)	29.20	Wetted Per. (ft)		69.04	
Min Ch El (ft)	7052.00	Shear (lb/sq ft)		0.73	
Alpha	1.00	Stream Power (lb/ft s)		3.80	
Frctn Loss (ft)	0.51	Cum Volume (acre-ft)	0.00	1.59	0.00
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	1.55	0.00

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning:	During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2015.80* Profile: Q100

E.G. Elev (ft)	7053.08	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.54	Wt. n-Val.		0.030	
W.S. Elev (ft)	7052.54	Reach Len. (ft)	35.80	29.20	28.80
Crit W.S. (ft)	7052.64	Flow Area (sq ft)		49.76	
E.G. Slope (ft/ft)	0.022059	Area (sq ft)		49.76	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	69.38	Top Width (ft)		69.38	
Vel Total (ft/s)	5.89	Avg. Vel. (ft/s)		5.89	
Max Chl Dpth (ft)	1.08	Hydr. Depth (ft)		0.72	
Conv. Total (cfs)	1972.8	Conv. (cfs)		1972.8	
Length Wtd. (ft)	29.20	Wetted Per. (ft)		69.48	
Min Ch El (ft)	7051.46	Shear (lb/sq ft)		0.99	
Alpha	1.00	Stream Power (lb/ft s)		5.81	
Frctn Loss (ft)	0.54	Cum Volume (acre-ft)	0.00	1.56	0.00
C & E Loss (ft)	0.03	Cum SA (acres)	0.00	1.51	0.00

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1986.60* Profile: Q100

E.G. Elev (ft)	7052.51	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.43	Wt. n-Val.		0.030	
W.S. Elev (ft)	7052.08	Reach Len. (ft)	35.80	29.20	28.80
Crit W.S. (ft)	7052.11	Flow Area (sq ft)		55.81	
E.G. Slope (ft/ft)	0.015730	Area (sq ft)		55.81	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	71.74	Top Width (ft)		71.74	
Vel Total (ft/s)	5.25	Avg. Vel. (ft/s)		5.25	
Max Chl Dpth (ft)	1.16	Hydr. Depth (ft)		0.78	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1986.60* Profile: Q100 (Continued)

Conv. Total (cfs)	2336.2	Conv. (cfs)		2336.2	
Length Wtd. (ft)	29.20	Wetted Per. (ft)		71.83	
Min Ch El (ft)	7050.92	Shear (lb/sq ft)		0.76	
Alpha	1.00	Stream Power (lb/ft s)		4.01	
Frctn Loss (ft)	0.52	Cum Volume (acre-ft)	0.00	1.52	0.00
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	1.46	0.00

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1957.40* Profile: Q100

E.G. Elev (ft)	7051.98	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.50	Wt. n-Val.		0.030	
W.S. Elev (ft)	7051.48	Reach Len. (ft)	35.80	29.20	28.80
Crit W.S. (ft)	7051.56	Flow Area (sq ft)		51.81	
E.G. Slope (ft/ft)	0.020282	Area (sq ft)		51.81	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	72.10	Top Width (ft)		72.10	
Vel Total (ft/s)	5.66	Avg. Vel. (ft/s)		5.66	
Max Chl Dpth (ft)	1.10	Hydr. Depth (ft)		0.72	
Conv. Total (cfs)	2057.4	Conv. (cfs)		2057.4	
Length Wtd. (ft)	29.20	Wetted Per. (ft)		72.17	
Min Ch El (ft)	7050.38	Shear (lb/sq ft)		0.91	
Alpha	1.00	Stream Power (lb/ft s)		5.14	
Frctn Loss (ft)	0.54	Cum Volume (acre-ft)	0.00	1.48	0.00
C & E Loss (ft)	0.02	Cum SA (acres)	0.00	1.41	0.00

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1928.20* Profile: Q100

E.G. Elev (ft)	7051.42	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.44	Wt. n-Val.		0.030	
W.S. Elev (ft)	7050.98	Reach Len. (ft)	35.80	29.20	28.80
Crit W.S. (ft)	7051.03	Flow Area (sq ft)		54.82	
E.G. Slope (ft/ft)	0.017103	Area (sq ft)		54.82	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	73.06	Top Width (ft)		73.06	
Vel Total (ft/s)	5.34	Avg. Vel. (ft/s)		5.34	
Max Chl Dpth (ft)	1.14	Hydr. Depth (ft)		0.75	
Conv. Total (cfs)	2240.4	Conv. (cfs)		2240.4	
Length Wtd. (ft)	29.20	Wetted Per. (ft)		73.13	
Min Ch El (ft)	7049.84	Shear (lb/sq ft)		0.80	
Alpha	1.00	Stream Power (lb/ft s)		4.28	
Frctn Loss (ft)	0.53	Cum Volume (acre-ft)	0.00	1.45	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	1.36	0.00

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1899 Profile: Q100

E.G. Elev (ft)	7050.88	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.48	Wt. n-Val.		0.030	
W.S. Elev (ft)	7050.40	Reach Len. (ft)	45.67	43.00	43.67
Crit W.S. (ft)	7050.47	Flow Area (sq ft)		52.46	
E.G. Slope (ft/ft)	0.019638	Area (sq ft)		52.46	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	72.59	Top Width (ft)		72.59	
Vel Total (ft/s)	5.59	Avg. Vel. (ft/s)		5.59	
Max Chl Dpth (ft)	1.10	Hydr. Depth (ft)		0.72	
Conv. Total (cfs)	2090.8	Conv. (cfs)		2090.8	
Length Wtd. (ft)	43.00	Wetted Per. (ft)		72.66	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1899 Profile: Q100 (Continued)

Min Ch El (ft)	7049.30	Shear (lb/sq ft)		0.89	
Alpha	1.00	Stream Power (lb/ft s)		4.94	
Frctn Loss (ft)	0.88	Cum Volume (acre-ft)	0.00	1.41	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	1.31	0.00

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1856.00* Profile: Q100

E.G. Elev (ft)	7050.00	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.53	Wt. n-Val.		0.030	
W.S. Elev (ft)	7049.47	Reach Len. (ft)	45.67	43.00	43.67
Crit W.S. (ft)	7049.58	Flow Area (sq ft)		50.26	
E.G. Slope (ft/ft)	0.021325	Area (sq ft)		50.26	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	69.40	Top Width (ft)		69.40	
Vel Total (ft/s)	5.83	Avg. Vel. (ft/s)		5.83	
Max Chl Dpth (ft)	1.10	Hydr. Depth (ft)		0.72	
Conv. Total (cfs)	2006.4	Conv. (cfs)		2006.4	
Length Wtd. (ft)	43.00	Wetted Per. (ft)		69.46	
Min Ch El (ft)	7048.37	Shear (lb/sq ft)		0.96	
Alpha	1.00	Stream Power (lb/ft s)		5.62	
Frctn Loss (ft)	0.93	Cum Volume (acre-ft)	0.00	1.36	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	1.24	0.00

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1813.00* Profile: Q100

E.G. Elev (ft)	7049.06	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.58	Wt. n-Val.		0.030	
W.S. Elev (ft)	7048.49	Reach Len. (ft)	45.67	43.00	43.67
Crit W.S. (ft)	7048.60	Flow Area (sq ft)		48.11	
E.G. Slope (ft/ft)	0.022058	Area (sq ft)		48.11	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	63.77	Top Width (ft)		63.77	
Vel Total (ft/s)	6.09	Avg. Vel. (ft/s)		6.09	
Max Chl Dpth (ft)	1.06	Hydr. Depth (ft)		0.75	
Conv. Total (cfs)	1972.8	Conv. (cfs)		1972.8	
Length Wtd. (ft)	43.00	Wetted Per. (ft)		63.86	
Min Ch El (ft)	7047.43	Shear (lb/sq ft)		1.04	
Alpha	1.00	Stream Power (lb/ft s)		6.32	
Frctn Loss (ft)	0.98	Cum Volume (acre-ft)	0.00	1.31	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	1.18	0.00

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1770 Profile: Q100

E.G. Elev (ft)	7048.07	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.60	Wt. n-Val.		0.030	
W.S. Elev (ft)	7047.47	Reach Len. (ft)	45.75	45.25	62.75
Crit W.S. (ft)	7047.60	Flow Area (sq ft)		47.08	
E.G. Slope (ft/ft)	0.023725	Area (sq ft)		47.08	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	63.76	Top Width (ft)		63.76	
Vel Total (ft/s)	6.22	Avg. Vel. (ft/s)		6.22	
Max Chl Dpth (ft)	0.97	Hydr. Depth (ft)		0.74	
Conv. Total (cfs)	1902.2	Conv. (cfs)		1902.2	
Length Wtd. (ft)	45.25	Wetted Per. (ft)		63.90	
Min Ch El (ft)	7046.50	Shear (lb/sq ft)		1.09	
Alpha	1.00	Stream Power (lb/ft s)		6.79	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1770 Profile: Q100 (Continued)

Frctn Loss (ft)	1.12	Cum Volume (acre-ft)	0.00	1.27	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	1.12	0.00

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1724.75* Profile: Q100

E.G. Elev (ft)	7046.96	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.63	Wt. n-Val.		0.030	
W.S. Elev (ft)	7046.33	Reach Len. (ft)	45.75	45.25	62.75
Crit W.S. (ft)	7046.48	Flow Area (sq ft)		46.19	
E.G. Slope (ft/ft)	0.025700	Area (sq ft)		46.19	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	64.59	Top Width (ft)		64.59	
Vel Total (ft/s)	6.34	Avg. Vel. (ft/s)		6.34	
Max Chl Dpth (ft)	0.95	Hydr. Depth (ft)		0.72	
Conv. Total (cfs)	1827.7	Conv. (cfs)		1827.7	
Length Wtd. (ft)	45.25	Wetted Per. (ft)		64.69	
Min Ch EI (ft)	7045.38	Shear (lb/sq ft)		1.15	
Alpha	1.00	Stream Power (lb/ft s)		7.27	
Frctn Loss (ft)	1.14	Cum Volume (acre-ft)	0.00	1.22	0.00
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	1.05	0.00

Errors Warnings and Notes

Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1679.50* Profile: Q100

E.G. Elev (ft)	7045.81	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.59	Wt. n-Val.		0.030	
W.S. Elev (ft)	7045.22	Reach Len. (ft)	45.75	45.25	62.75
Crit W.S. (ft)	7045.37	Flow Area (sq ft)		47.60	
E.G. Slope (ft/ft)	0.024596	Area (sq ft)		47.60	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	67.40	Top Width (ft)		67.40	
Vel Total (ft/s)	6.16	Avg. Vel. (ft/s)		6.16	
Max Chl Dpth (ft)	0.97	Hydr. Depth (ft)		0.71	
Conv. Total (cfs)	1868.3	Conv. (cfs)		1868.3	
Length Wtd. (ft)	45.25	Wetted Per. (ft)		67.49	
Min Ch EI (ft)	7044.25	Shear (lb/sq ft)		1.08	
Alpha	1.00	Stream Power (lb/ft s)		6.67	
Frctn Loss (ft)	1.17	Cum Volume (acre-ft)	0.00	1.17	0.00
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	0.98	0.00

Errors Warnings and Notes

Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1634.25* Profile: Q100

E.G. Elev (ft)	7044.63	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.57	Wt. n-Val.		0.030	
W.S. Elev (ft)	7044.07	Reach Len. (ft)	45.75	45.25	62.75
Crit W.S. (ft)	7044.20	Flow Area (sq ft)		48.48	
E.G. Slope (ft/ft)	0.027068	Area (sq ft)		48.48	
Q Total (cfs)	293.00	Flow (cfs)		293.00	
Top Width (ft)	75.81	Top Width (ft)		75.81	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1634.25* Profile: Q100 (Continued)

Vel Total (ft/s)	6.04	Avg. Vel. (ft/s)		6.04	
Max Chl Dpth (ft)	0.95	Hydr. Depth (ft)		0.64	
Conv. Total (cfs)	1780.9	Conv. (cfs)		1780.9	
Length Wtd. (ft)	45.25	Wetted Per. (ft)		75.89	
Min Ch EI (ft)	7043.12	Shear (lb/sq ft)		1.08	
Alpha	1.00	Stream Power (lb/ft s)		6.52	
Frctn Loss (ft)	0.79	Cum Volume (acre-ft)	0.00	1.12	0.00
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	0.91	0.00

Errors Warnings and Notes

Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1589 Profile: Q100

E.G. Elev (ft)	7043.84	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.54	Wt. n-Val.		0.030	
W.S. Elev (ft)	7043.30	Reach Len. (ft)	32.43	33.57	31.14
Crit W.S. (ft)	7043.31	Flow Area (sq ft)		81.52	
E.G. Slope (ft/ft)	0.014028	Area (sq ft)		81.52	
Q Total (cfs)	479.00	Flow (cfs)		479.00	
Top Width (ft)	81.09	Top Width (ft)		81.09	
Vel Total (ft/s)	5.88	Avg. Vel. (ft/s)		5.88	
Max Chl Dpth (ft)	1.30	Hydr. Depth (ft)		1.01	
Conv. Total (cfs)	4044.2	Conv. (cfs)		4044.2	
Length Wtd. (ft)	33.57	Wetted Per. (ft)		81.33	
Min Ch EI (ft)	7042.00	Shear (lb/sq ft)		0.88	
Alpha	1.00	Stream Power (lb/ft s)		5.16	
Frctn Loss (ft)	0.51	Cum Volume (acre-ft)	0.00	1.05	0.00
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	0.82	0.00

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1555.43* Profile: Q100

E.G. Elev (ft)	7043.32	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.61	Wt. n-Val.		0.030	
W.S. Elev (ft)	7042.71	Reach Len. (ft)	32.43	33.57	31.14
Crit W.S. (ft)	7042.78	Flow Area (sq ft)		76.36	
E.G. Slope (ft/ft)	0.016370	Area (sq ft)		76.36	
Q Total (cfs)	479.00	Flow (cfs)		479.00	
Top Width (ft)	77.34	Top Width (ft)		77.34	
Vel Total (ft/s)	6.27	Avg. Vel. (ft/s)		6.27	
Max Chl Dpth (ft)	1.32	Hydr. Depth (ft)		0.99	
Conv. Total (cfs)	3743.8	Conv. (cfs)		3743.8	
Length Wtd. (ft)	33.57	Wetted Per. (ft)		77.54	
Min Ch EI (ft)	7041.39	Shear (lb/sq ft)		1.01	
Alpha	1.00	Stream Power (lb/ft s)		6.31	
Frctn Loss (ft)	0.52	Cum Volume (acre-ft)	0.00	0.99	0.00
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	0.76	0.00

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1521.86* Profile: Q100

E.G. Elev (ft)	7042.79	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.59	Wt. n-Val.		0.030	
W.S. Elev (ft)	7042.20	Reach Len. (ft)	32.43	33.57	31.14
Crit W.S. (ft)	7042.24	Flow Area (sq ft)		77.70	
E.G. Slope (ft/ft)	0.014630	Area (sq ft)		77.70	
Q Total (cfs)	479.00	Flow (cfs)		479.00	
Top Width (ft)	74.24	Top Width (ft)		74.24	
Vel Total (ft/s)	6.17	Avg. Vel. (ft/s)		6.17	
Max Chl Dpth (ft)	1.43	Hydr. Depth (ft)		1.05	
Conv. Total (cfs)	3960.2	Conv. (cfs)		3960.2	
Length Wtd. (ft)	33.57	Wetted Per. (ft)		74.43	
Min Ch El (ft)	7040.77	Shear (lb/sq ft)		0.95	
Alpha	1.00	Stream Power (lb/ft s)		5.88	
Frctn Loss (ft)	0.50	Cum Volume (acre-ft)	0.00	0.93	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	0.71	0.00

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1488.29* Profile: Q100

E.G. Elev (ft)	7042.28	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.63	Wt. n-Val.		0.030	
W.S. Elev (ft)	7041.66	Reach Len. (ft)	32.43	33.57	31.14
Crit W.S. (ft)	7041.71	Flow Area (sq ft)		75.46	
E.G. Slope (ft/ft)	0.015130	Area (sq ft)		75.46	
Q Total (cfs)	479.00	Flow (cfs)		479.00	
Top Width (ft)	70.78	Top Width (ft)		70.78	
Vel Total (ft/s)	6.35	Avg. Vel. (ft/s)		6.35	
Max Chl Dpth (ft)	1.50	Hydr. Depth (ft)		1.07	
Conv. Total (cfs)	3894.2	Conv. (cfs)		3894.2	
Length Wtd. (ft)	33.57	Wetted Per. (ft)		70.95	
Min Ch El (ft)	7040.16	Shear (lb/sq ft)		1.00	
Alpha	1.00	Stream Power (lb/ft s)		6.38	
Frctn Loss (ft)	0.50	Cum Volume (acre-ft)	0.00	0.87	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	0.65	0.00

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1454.71* Profile: Q100

E.G. Elev (ft)	7041.77	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.64	Wt. n-Val.		0.030	
W.S. Elev (ft)	7041.13	Reach Len. (ft)	32.43	33.57	31.14
Crit W.S. (ft)	7041.19	Flow Area (sq ft)		74.72	
E.G. Slope (ft/ft)	0.014714	Area (sq ft)		74.72	
Q Total (cfs)	479.00	Flow (cfs)		479.00	
Top Width (ft)	67.63	Top Width (ft)		67.63	
Vel Total (ft/s)	6.41	Avg. Vel. (ft/s)		6.41	
Max Chl Dpth (ft)	1.59	Hydr. Depth (ft)		1.10	
Conv. Total (cfs)	3948.8	Conv. (cfs)		3948.8	
Length Wtd. (ft)	33.57	Wetted Per. (ft)		67.79	
Min Ch El (ft)	7039.54	Shear (lb/sq ft)		1.01	
Alpha	1.00	Stream Power (lb/ft s)		6.49	
Frctn Loss (ft)	0.49	Cum Volume (acre-ft)	0.00	0.82	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	0.60	0.00

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1421.14* Profile: Q100

E.G. Elev (ft)	7041.27	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.67	Wt. n-Val.		0.030	
W.S. Elev (ft)	7040.60	Reach Len. (ft)	32.43	33.57	31.14
Crit W.S. (ft)	7040.66	Flow Area (sq ft)		73.20	
E.G. Slope (ft/ft)	0.014767	Area (sq ft)		73.20	
Q Total (cfs)	479.00	Flow (cfs)		479.00	
Top Width (ft)	64.41	Top Width (ft)		64.41	
Vel Total (ft/s)	6.54	Avg. Vel. (ft/s)		6.54	
Max Chl Dpth (ft)	1.67	Hydr. Depth (ft)		1.14	
Conv. Total (cfs)	3941.8	Conv. (cfs)		3941.8	
Length Wtd. (ft)	33.57	Wetted Per. (ft)		64.57	
Min Ch El (ft)	7038.93	Shear (lb/sq ft)		1.05	
Alpha	1.00	Stream Power (lb/ft s)		6.84	
Frctn Loss (ft)	0.49	Cum Volume (acre-ft)	0.00	0.76	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	0.55	0.00

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1387.57* Profile: Q100

E.G. Elev (ft)	7040.77	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.68	Wt. n-Val.		0.030	
W.S. Elev (ft)	7040.08	Reach Len. (ft)	32.43	33.57	31.14
Crit W.S. (ft)	7040.14	Flow Area (sq ft)		72.25	
E.G. Slope (ft/ft)	0.014497	Area (sq ft)		72.25	
Q Total (cfs)	479.00	Flow (cfs)		479.00	
Top Width (ft)	61.45	Top Width (ft)		61.45	
Vel Total (ft/s)	6.63	Avg. Vel. (ft/s)		6.63	
Max Chl Dpth (ft)	1.77	Hydr. Depth (ft)		1.18	
Conv. Total (cfs)	3978.3	Conv. (cfs)		3978.3	
Length Wtd. (ft)	33.57	Wetted Per. (ft)		61.64	
Min Ch El (ft)	7038.31	Shear (lb/sq ft)		1.06	
Alpha	1.00	Stream Power (lb/ft s)		7.03	
Frctn Loss (ft)	0.48	Cum Volume (acre-ft)	0.00	0.70	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	0.50	0.00

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1354 Profile: Q100

E.G. Elev (ft)	7040.28	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.70	Wt. n-Val.		0.030	
W.S. Elev (ft)	7039.58	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)	7039.63	Flow Area (sq ft)		71.54	
E.G. Slope (ft/ft)	0.014145	Area (sq ft)		71.54	
Q Total (cfs)	479.00	Flow (cfs)		479.00	
Top Width (ft)	58.82	Top Width (ft)		58.82	
Vel Total (ft/s)	6.70	Avg. Vel. (ft/s)		6.70	
Max Chl Dpth (ft)	1.88	Hydr. Depth (ft)		1.22	
Conv. Total (cfs)	4027.5	Conv. (cfs)		4027.5	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		59.03	
Min Ch El (ft)	7037.70	Shear (lb/sq ft)		1.07	
Alpha	1.00	Stream Power (lb/ft s)		7.16	
Frctn Loss (ft)	0.29	Cum Volume (acre-ft)	0.00	0.65	0.00
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	0.45	0.00

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1335.88* Profile: Q100

E.G. Elev (ft)	7039.97	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.83	Wt. n-Val.		0.030	
W.S. Elev (ft)	7039.14	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)	7039.31	Flow Area (sq ft)		65.57	
E.G. Slope (ft/ft)	0.018791	Area (sq ft)		65.57	
Q Total (cfs)	479.00	Flow (cfs)		479.00	
Top Width (ft)	58.58	Top Width (ft)		58.58	
Vel Total (ft/s)	7.30	Avg. Vel. (ft/s)		7.30	
Max Chl Dpth (ft)	1.68	Hydr. Depth (ft)		1.12	
Conv. Total (cfs)	3494.3	Conv. (cfs)		3494.3	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		58.76	
Min Ch El (ft)	7037.46	Shear (lb/sq ft)		1.31	
Alpha	1.00	Stream Power (lb/ft s)		9.56	
Frctn Loss (ft)	0.32	Cum Volume (acre-ft)	0.00	0.62	0.00
C & E Loss (ft)	0.03	Cum SA (acres)	0.00	0.43	0.00

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1317.75* Profile: Q100

E.G. Elev (ft)	7039.62	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.75	Wt. n-Val.		0.030	
W.S. Elev (ft)	7038.87	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)	7038.99	Flow Area (sq ft)		69.17	
E.G. Slope (ft/ft)	0.016511	Area (sq ft)		69.17	
Q Total (cfs)	479.00	Flow (cfs)		479.00	
Top Width (ft)	60.77	Top Width (ft)		60.77	
Vel Total (ft/s)	6.92	Avg. Vel. (ft/s)		6.92	
Max Chl Dpth (ft)	1.64	Hydr. Depth (ft)		1.14	
Conv. Total (cfs)	3727.7	Conv. (cfs)		3727.7	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		60.95	
Min Ch El (ft)	7037.23	Shear (lb/sq ft)		1.17	
Alpha	1.00	Stream Power (lb/ft s)		8.10	
Frctn Loss (ft)	0.32	Cum Volume (acre-ft)	0.00	0.59	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	0.40	0.00

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1299.63* Profile: Q100

E.G. Elev (ft)	7039.30	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.78	Wt. n-Val.		0.030	
W.S. Elev (ft)	7038.52	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)	7038.66	Flow Area (sq ft)		67.53	
E.G. Slope (ft/ft)	0.018362	Area (sq ft)		67.53	
Q Total (cfs)	479.00	Flow (cfs)		479.00	
Top Width (ft)	61.99	Top Width (ft)		61.99	
Vel Total (ft/s)	7.09	Avg. Vel. (ft/s)		7.09	
Max Chl Dpth (ft)	1.53	Hydr. Depth (ft)		1.09	
Conv. Total (cfs)	3534.9	Conv. (cfs)		3534.9	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		62.16	
Min Ch El (ft)	7036.99	Shear (lb/sq ft)		1.25	
Alpha	1.00	Stream Power (lb/ft s)		8.83	
Frctn Loss (ft)	0.32	Cum Volume (acre-ft)	0.00	0.56	0.00
C & E Loss (ft)	0.02	Cum SA (acres)	0.00	0.38	0.00

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1281.50* Profile: Q100

E.G. Elev (ft)	7038.96	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.72	Wt. n-Val.		0.030	
W.S. Elev (ft)	7038.23	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)	7038.34	Flow Area (sq ft)		70.14	
E.G. Slope (ft/ft)	0.016904	Area (sq ft)		70.14	
Q Total (cfs)	479.00	Flow (cfs)		479.00	
Top Width (ft)	64.05	Top Width (ft)		64.05	
Vel Total (ft/s)	6.83	Avg. Vel. (ft/s)		6.83	
Max Chl Dpth (ft)	1.48	Hydr. Depth (ft)		1.10	
Conv. Total (cfs)	3684.2	Conv. (cfs)		3684.2	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		64.23	
Min Ch El (ft)	7036.75	Shear (lb/sq ft)		1.15	
Alpha	1.00	Stream Power (lb/ft s)		7.87	
Frctn Loss (ft)	0.32	Cum Volume (acre-ft)	0.00	0.53	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	0.35	0.00

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1263.38* Profile: Q100

E.G. Elev (ft)	7038.64	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.74	Wt. n-Val.		0.030	
W.S. Elev (ft)	7037.89	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)	7038.03	Flow Area (sq ft)		69.19	
E.G. Slope (ft/ft)	0.018242	Area (sq ft)		69.19	
Q Total (cfs)	479.00	Flow (cfs)		479.00	
Top Width (ft)	65.54	Top Width (ft)		65.54	
Vel Total (ft/s)	6.92	Avg. Vel. (ft/s)		6.92	
Max Chl Dpth (ft)	1.38	Hydr. Depth (ft)		1.06	
Conv. Total (cfs)	3546.5	Conv. (cfs)		3546.5	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		65.72	
Min Ch El (ft)	7036.51	Shear (lb/sq ft)		1.20	
Alpha	1.00	Stream Power (lb/ft s)		8.30	
Frctn Loss (ft)	0.32	Cum Volume (acre-ft)	0.00	0.50	0.00
C & E Loss (ft)	0.02	Cum SA (acres)	0.00	0.32	0.00

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1245.25* Profile: Q100

E.G. Elev (ft)	7038.30	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.69	Wt. n-Val.		0.030	
W.S. Elev (ft)	7037.61	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)	7037.71	Flow Area (sq ft)		71.86	
E.G. Slope (ft/ft)	0.016760	Area (sq ft)		71.86	
Q Total (cfs)	479.00	Flow (cfs)		479.00	
Top Width (ft)	67.58	Top Width (ft)		67.58	
Vel Total (ft/s)	6.67	Avg. Vel. (ft/s)		6.67	
Max Chl Dpth (ft)	1.34	Hydr. Depth (ft)		1.06	
Conv. Total (cfs)	3699.9	Conv. (cfs)		3699.9	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		67.79	
Min Ch El (ft)	7036.27	Shear (lb/sq ft)		1.11	
Alpha	1.00	Stream Power (lb/ft s)		7.39	
Frctn Loss (ft)	0.17	Cum Volume (acre-ft)	0.00	0.47	0.00
C & E Loss (ft)	0.06	Cum SA (acres)	0.00	0.29	0.00

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1227.13* Profile: Q100

E.G. Elev (ft)	7038.02	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.40	Wt. n-Val.		0.030	
W.S. Elev (ft)	7037.62	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)	7037.40	Flow Area (sq ft)		94.90	
E.G. Slope (ft/ft)	0.007220	Area (sq ft)		94.90	
Q Total (cfs)	479.00	Flow (cfs)		479.00	
Top Width (ft)	71.93	Top Width (ft)		71.93	
Vel Total (ft/s)	5.05	Avg. Vel. (ft/s)		5.05	
Max Chl Dpth (ft)	1.58	Hydr. Depth (ft)		1.32	
Conv. Total (cfs)	5637.4	Conv. (cfs)		5637.4	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		72.24	
Min Ch EI (ft)	7036.04	Shear (lb/sq ft)		0.59	
Alpha	1.00	Stream Power (lb/ft s)		2.99	
Frctn Loss (ft)	0.09	Cum Volume (acre-ft)	0.00	0.44	0.00
C & E Loss (ft)	0.04	Cum SA (acres)	0.00	0.27	0.00

Errors Warnings and Notes

Note:	Hydraulic jump has occurred between this cross section and the previous upstream section.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1209 Profile: Q100

E.G. Elev (ft)	7037.88	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.25	Wt. n-Val.		0.030	
W.S. Elev (ft)	7037.63	Reach Len. (ft)	17.50	18.00	16.00
Crit W.S. (ft)		Flow Area (sq ft)		120.15	
E.G. Slope (ft/ft)	0.003555	Area (sq ft)		120.15	
Q Total (cfs)	479.00	Flow (cfs)		479.00	
Top Width (ft)	76.18	Top Width (ft)		76.18	
Vel Total (ft/s)	3.99	Avg. Vel. (ft/s)		3.99	
Max Chl Dpth (ft)	1.83	Hydr. Depth (ft)		1.58	
Conv. Total (cfs)	8033.5	Conv. (cfs)		8033.5	
Length Wtd. (ft)	18.00	Wetted Per. (ft)		76.60	
Min Ch EI (ft)	7035.80	Shear (lb/sq ft)		0.35	
Alpha	1.00	Stream Power (lb/ft s)		1.39	
Frctn Loss (ft)	0.07	Cum Volume (acre-ft)	0.00	0.40	0.00
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	0.24	0.00

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1191.00* Profile: Q100

E.G. Elev (ft)	7037.80	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.33	Wt. n-Val.	0.032	0.030	0.032
W.S. Elev (ft)	7037.47	Reach Len. (ft)	17.50	18.00	16.00
Crit W.S. (ft)		Flow Area (sq ft)	0.01	104.30	0.01
E.G. Slope (ft/ft)	0.004584	Area (sq ft)	0.01	104.30	0.01
Q Total (cfs)	479.00	Flow (cfs)	0.00	478.99	0.00
Top Width (ft)	65.25	Top Width (ft)	0.31	64.75	0.19
Vel Total (ft/s)	4.59	Avg. Vel. (ft/s)	0.33	4.59	0.33
Max Chl Dpth (ft)	2.07	Hydr. Depth (ft)	0.04	1.61	0.04
Conv. Total (cfs)	7074.9	Conv. (cfs)	0.1	7074.8	0.0
Length Wtd. (ft)	18.00	Wetted Per. (ft)	0.32	65.08	0.20
Min Ch EI (ft)	7035.40	Shear (lb/sq ft)	0.01	0.46	0.01
Alpha	1.00	Stream Power (lb/ft s)	0.00	2.11	0.00
Frctn Loss (ft)	0.14	Cum Volume (acre-ft)	0.00	0.35	0.00
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	0.21	0.00

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than
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Errors Warnings and Notes (Continued)

	1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1173 Profile: Q100

E.G. Elev (ft)	7037.65	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.29	Wt. n-Val.	0.032	0.068	0.032
W.S. Elev (ft)	7037.36	Reach Len. (ft)	24.50	25.50	25.00
Crit W.S. (ft)		Flow Area (sq ft)	0.26	110.59	0.16
E.G. Slope (ft/ft)	0.014576	Area (sq ft)	0.26	110.59	0.16
Q Total (cfs)	479.00	Flow (cfs)	0.47	478.25	0.28
Top Width (ft)	54.36	Top Width (ft)	1.45	52.00	0.91
Vel Total (ft/s)	4.31	Avg. Vel. (ft/s)	1.76	4.32	1.71
Max Chl Dpth (ft)	2.36	Hydr. Depth (ft)	0.18	2.13	0.18
Conv. Total (cfs)	3967.5	Conv. (cfs)	3.9	3961.3	2.3
Length Wtd. (ft)	25.50	Wetted Per. (ft)	1.50	52.69	0.98
Min Ch EI (ft)	7035.00	Shear (lb/sq ft)	0.16	1.91	0.15
Alpha	1.00	Stream Power (lb/ft s)	0.28	8.26	0.26
Frctn Loss (ft)	0.38	Cum Volume (acre-ft)	0.00	0.30	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	0.18	0.00

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1147.50* Profile: Q100

E.G. Elev (ft)	7037.27	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.31	Wt. n-Val.	0.032	0.068	0.032
W.S. Elev (ft)	7036.96	Reach Len. (ft)	24.50	25.50	25.00
Crit W.S. (ft)		Flow Area (sq ft)	0.42	106.32	0.36
E.G. Slope (ft/ft)	0.015262	Area (sq ft)	0.42	106.32	0.36
Q Total (cfs)	479.00	Flow (cfs)	0.90	477.35	0.76
Top Width (ft)	52.43	Top Width (ft)	1.85	49.00	1.58
Vel Total (ft/s)	4.47	Avg. Vel. (ft/s)	2.11	4.49	2.09
Max Chl Dpth (ft)	2.46	Hydr. Depth (ft)	0.23	2.17	0.23
Conv. Total (cfs)	3877.3	Conv. (cfs)	7.2	3863.9	6.1
Length Wtd. (ft)	25.50	Wetted Per. (ft)	1.91	49.57	1.64
Min Ch EI (ft)	7034.50	Shear (lb/sq ft)	0.21	2.04	0.21
Alpha	1.01	Stream Power (lb/ft s)	0.45	9.17	0.44
Frctn Loss (ft)	0.63	Cum Volume (acre-ft)	0.00	0.24	0.00
C & E Loss (ft)	0.03	Cum SA (acres)	0.00	0.15	0.00

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than
	1.4. This may indicate the need for additional cross sections.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1122 Profile: Q100

E.G. Elev (ft)	7036.61	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.65	Wt. n-Val.		0.068	
W.S. Elev (ft)	7035.96	Reach Len. (ft)	22.00	24.00	21.00
Crit W.S. (ft)		Flow Area (sq ft)		74.21	
E.G. Slope (ft/ft)	0.046343	Area (sq ft)		74.21	
Q Total (cfs)	479.00	Flow (cfs)		479.00	
Top Width (ft)	45.69	Top Width (ft)		45.69	
Vel Total (ft/s)	6.45	Avg. Vel. (ft/s)		6.45	
Max Chl Dpth (ft)	1.96	Hydr. Depth (ft)		1.62	
Conv. Total (cfs)	2225.1	Conv. (cfs)		2225.1	
Length Wtd. (ft)	24.00	Wetted Per. (ft)		46.17	
Min Ch EI (ft)	7034.00	Shear (lb/sq ft)		4.65	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1122 Profile: Q100 (Continued)

Alpha	1.00	Stream Power (lb/ft s)		30.02	
Frctn Loss (ft)	1.27	Cum Volume (acre-ft)		0.19	
C & E Loss (ft)	0.01	Cum SA (acres)		0.12	

Errors Warnings and Notes

Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1098 Profile: Q100

E.G. Elev (ft)	7035.33	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.78	Wt. n-Val.		0.068	
W.S. Elev (ft)	7034.54	Reach Len. (ft)	49.50	49.00	50.00
Crit W.S. (ft)	7034.54	Flow Area (sq ft)		67.42	
E.G. Slope (ft/ft)	0.060686	Area (sq ft)		67.42	
Q Total (cfs)	479.00	Flow (cfs)		479.00	
Top Width (ft)	43.94	Top Width (ft)		43.94	
Vel Total (ft/s)	7.11	Avg. Vel. (ft/s)		7.11	
Max Chl Dpth (ft)	2.04	Hydr. Depth (ft)		1.53	
Conv. Total (cfs)	1944.4	Conv. (cfs)		1944.4	
Length Wtd. (ft)	49.00	Wetted Per. (ft)		44.46	
Min Ch EI (ft)	7032.50	Shear (lb/sq ft)		5.75	
Alpha	1.00	Stream Power (lb/ft s)		40.82	
Frctn Loss (ft)	3.07	Cum Volume (acre-ft)		0.15	
C & E Loss (ft)	0.00	Cum SA (acres)		0.10	

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning:	During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1049.00* Profile: Q100

E.G. Elev (ft)	7032.25	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.81	Wt. n-Val.		0.068	
W.S. Elev (ft)	7031.45	Reach Len. (ft)	49.50	49.00	50.00
Crit W.S. (ft)	7031.48	Flow Area (sq ft)		66.42	
E.G. Slope (ft/ft)	0.065175	Area (sq ft)		66.42	
Q Total (cfs)	479.00	Flow (cfs)		479.00	
Top Width (ft)	44.76	Top Width (ft)		44.76	
Vel Total (ft/s)	7.21	Avg. Vel. (ft/s)		7.21	
Max Chl Dpth (ft)	2.00	Hydr. Depth (ft)		1.48	
Conv. Total (cfs)	1876.3	Conv. (cfs)		1876.3	
Length Wtd. (ft)	49.00	Wetted Per. (ft)		45.18	
Min Ch EI (ft)	7029.45	Shear (lb/sq ft)		5.98	
Alpha	1.00	Stream Power (lb/ft s)		43.13	
Frctn Loss (ft)	3.25	Cum Volume (acre-ft)		0.07	
C & E Loss (ft)	0.00	Cum SA (acres)		0.05	

Errors Warnings and Notes

Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
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Errors Warnings and Notes (Continued)

Note:	Program found supercritical flow starting at this cross section.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1000 Profile: Q100

E.G. Elev (ft)	7029.00	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.84	Wt. n-Val.		0.068	
W.S. Elev (ft)	7028.16	Reach Len. (ft)			
Crit W.S. (ft)	7028.23	Flow Area (sq ft)		65.29	
E.G. Slope (ft/ft)	0.067685	Area (sq ft)		65.29	
Q Total (cfs)	479.00	Flow (cfs)		479.00	
Top Width (ft)	44.10	Top Width (ft)		44.10	
Vel Total (ft/s)	7.34	Avg. Vel. (ft/s)		7.34	
Max Chl Dpth (ft)	1.76	Hydr. Depth (ft)		1.48	
Conv. Total (cfs)	1841.1	Conv. (cfs)		1841.1	
Length Wtd. (ft)		Wetted Per. (ft)		44.53	
Min Ch El (ft)	7026.40	Shear (lb/sq ft)		6.20	
Alpha	1.00	Stream Power (lb/ft s)		45.45	
Frctn Loss (ft)		Cum Volume (acre-ft)			
C & E Loss (ft)		Cum SA (acres)			

Errors Warnings and Notes

Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5710 Profile: Q010

E.G. Elev (ft)	7126.29	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.15	Wt. n-Val.		0.068	
W.S. Elev (ft)	7126.14	Reach Len. (ft)	34.00	38.00	40.00
Crit W.S. (ft)	7126.14	Flow Area (sq ft)		5.50	
E.G. Slope (ft/ft)	0.106858	Area (sq ft)		5.50	
Q Total (cfs)	17.00	Flow (cfs)		17.00	
Top Width (ft)	18.62	Top Width (ft)		18.62	
Vel Total (ft/s)	3.09	Avg. Vel. (ft/s)		3.09	
Max Chl Dpth (ft)	0.64	Hydr. Depth (ft)		0.30	
Conv. Total (cfs)	52.0	Conv. (cfs)		52.0	
Length Wtd. (ft)	38.00	Wetted Per. (ft)		19.31	
Min Ch El (ft)	7125.50	Shear (lb/sq ft)		1.90	
Alpha	1.00	Stream Power (lb/ft s)		5.87	
Frctn Loss (ft)	0.88	Cum Volume (acre-ft)		1.50	0.01
C & E Loss (ft)	0.03	Cum SA (acres)		4.12	0.03

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning:	During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5672 Profile: Q010

E.G. Elev (ft)	7124.49	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.068	
W.S. Elev (ft)	7124.46	Reach Len. (ft)	49.00	50.00	50.75
Crit W.S. (ft)	7124.11	Flow Area (sq ft)		11.84	
E.G. Slope (ft/ft)	0.009839	Area (sq ft)		11.84	
Q Total (cfs)	17.00	Flow (cfs)		17.00	
Top Width (ft)	21.86	Top Width (ft)		21.86	
Vel Total (ft/s)	1.44	Avg. Vel. (ft/s)		1.44	
Max Chl Dpth (ft)	0.95	Hydr. Depth (ft)		0.54	
Conv. Total (cfs)	171.4	Conv. (cfs)		171.4	
Length Wtd. (ft)	50.00	Wetted Per. (ft)		21.96	
Min Ch El (ft)	7123.50	Shear (lb/sq ft)		0.33	
Alpha	1.00	Stream Power (lb/ft s)		0.48	
Frctn Loss (ft)	0.49	Cum Volume (acre-ft)		1.49	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		4.10	0.03

Errors Warnings and Notes

Note:	Hydraulic jump has occurred between this cross section and the previous upstream section.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5622.00* Profile: Q010

E.G. Elev (ft)	7124.00	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.068	
W.S. Elev (ft)	7123.97	Reach Len. (ft)	49.00	50.00	50.75
Crit W.S. (ft)		Flow Area (sq ft)		11.92	
E.G. Slope (ft/ft)	0.009625	Area (sq ft)		11.92	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5622.00* Profile: Q010 (Continued)

Q Total (cfs)	17.00	Flow (cfs)		17.00	
Top Width (ft)	21.86	Top Width (ft)		21.86	
Vel Total (ft/s)	1.43	Avg. Vel. (ft/s)		1.43	
Max Chl Dpth (ft)	0.85	Hydr. Depth (ft)		0.55	
Conv. Total (cfs)	173.3	Conv. (cfs)		173.3	
Length Wtd. (ft)	50.00	Wetted Per. (ft)		21.96	
Min Ch El (ft)	7123.12	Shear (lb/sq ft)		0.33	
Alpha	1.00	Stream Power (lb/ft s)		0.47	
Frctn Loss (ft)	0.47	Cum Volume (acre-ft)		1.47	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		4.08	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5572.00* Profile: Q010

E.G. Elev (ft)	7123.52	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.068	
W.S. Elev (ft)	7123.49	Reach Len. (ft)	49.00	50.00	50.75
Crit W.S. (ft)		Flow Area (sq ft)		12.14	
E.G. Slope (ft/ft)	0.009354	Area (sq ft)		12.14	
Q Total (cfs)	17.00	Flow (cfs)		17.00	
Top Width (ft)	22.40	Top Width (ft)		22.40	
Vel Total (ft/s)	1.40	Avg. Vel. (ft/s)		1.40	
Max Chl Dpth (ft)	0.74	Hydr. Depth (ft)		0.54	
Conv. Total (cfs)	175.8	Conv. (cfs)		175.8	
Length Wtd. (ft)	50.00	Wetted Per. (ft)		22.49	
Min Ch El (ft)	7122.75	Shear (lb/sq ft)		0.32	
Alpha	1.00	Stream Power (lb/ft s)		0.44	
Frctn Loss (ft)	0.45	Cum Volume (acre-ft)		1.46	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		4.05	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5522.00* Profile: Q010

E.G. Elev (ft)	7123.06	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.068	
W.S. Elev (ft)	7123.04	Reach Len. (ft)	49.00	50.00	50.75
Crit W.S. (ft)		Flow Area (sq ft)		12.49	
E.G. Slope (ft/ft)	0.008835	Area (sq ft)		12.49	
Q Total (cfs)	17.00	Flow (cfs)		17.00	
Top Width (ft)	23.05	Top Width (ft)		23.05	
Vel Total (ft/s)	1.36	Avg. Vel. (ft/s)		1.36	
Max Chl Dpth (ft)	0.66	Hydr. Depth (ft)		0.54	
Conv. Total (cfs)	180.9	Conv. (cfs)		180.9	
Length Wtd. (ft)	50.00	Wetted Per. (ft)		23.16	
Min Ch El (ft)	7122.38	Shear (lb/sq ft)		0.30	
Alpha	1.00	Stream Power (lb/ft s)		0.40	
Frctn Loss (ft)	0.58	Cum Volume (acre-ft)		1.45	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		4.02	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5472 Profile: Q010

E.G. Elev (ft)	7122.50	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.059	
W.S. Elev (ft)	7122.45	Reach Len. (ft)	32.51	32.74	32.51
Crit W.S. (ft)		Flow Area (sq ft)		9.76	
E.G. Slope (ft/ft)	0.015621	Area (sq ft)		9.76	
Q Total (cfs)	17.00	Flow (cfs)		17.00	
Top Width (ft)	23.58	Top Width (ft)		23.58	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5472 Profile: Q010 (Continued)

Vel Total (ft/s)	1.74	Avg. Vel. (ft/s)		1.74	
Max Chl Dpth (ft)	0.45	Hydr. Depth (ft)		0.41	
Conv. Total (cfs)	136.0	Conv. (cfs)		136.0	
Length Wtd. (ft)	32.74	Wetted Per. (ft)		23.69	
Min Ch El (ft)	7122.00	Shear (lb/sq ft)		0.40	
Alpha	1.00	Stream Power (lb/ft s)		0.70	
Frctn Loss (ft)	0.49	Cum Volume (acre-ft)		1.43	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		4.00	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5439.25* Profile: Q010

E.G. Elev (ft)	7122.00	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.059	
W.S. Elev (ft)	7121.96	Reach Len. (ft)	32.51	32.74	32.51
Crit W.S. (ft)		Flow Area (sq ft)		9.96	
E.G. Slope (ft/ft)	0.014621	Area (sq ft)		9.96	
Q Total (cfs)	17.00	Flow (cfs)		17.00	
Top Width (ft)	23.65	Top Width (ft)		23.65	
Vel Total (ft/s)	1.71	Avg. Vel. (ft/s)		1.71	
Max Chl Dpth (ft)	0.46	Hydr. Depth (ft)		0.42	
Conv. Total (cfs)	140.6	Conv. (cfs)		140.6	
Length Wtd. (ft)	32.74	Wetted Per. (ft)		23.76	
Min Ch El (ft)	7121.50	Shear (lb/sq ft)		0.38	
Alpha	1.00	Stream Power (lb/ft s)		0.65	
Frctn Loss (ft)	0.51	Cum Volume (acre-ft)		1.43	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.98	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5406.50* Profile: Q010

E.G. Elev (ft)	7121.49	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.059	
W.S. Elev (ft)	7121.44	Reach Len. (ft)	32.51	32.74	32.51
Crit W.S. (ft)		Flow Area (sq ft)		9.50	
E.G. Slope (ft/ft)	0.016964	Area (sq ft)		9.50	
Q Total (cfs)	17.00	Flow (cfs)		17.00	
Top Width (ft)	23.50	Top Width (ft)		23.50	
Vel Total (ft/s)	1.79	Avg. Vel. (ft/s)		1.79	
Max Chl Dpth (ft)	0.44	Hydr. Depth (ft)		0.40	
Conv. Total (cfs)	130.5	Conv. (cfs)		130.5	
Length Wtd. (ft)	32.74	Wetted Per. (ft)		23.60	
Min Ch El (ft)	7121.00	Shear (lb/sq ft)		0.43	
Alpha	1.00	Stream Power (lb/ft s)		0.76	
Frctn Loss (ft)	0.46	Cum Volume (acre-ft)		1.42	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.96	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5373.75* Profile: Q010

E.G. Elev (ft)	7121.03	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.059	
W.S. Elev (ft)	7120.99	Reach Len. (ft)	32.51	32.74	32.51
Crit W.S. (ft)		Flow Area (sq ft)		10.67	
E.G. Slope (ft/ft)	0.011792	Area (sq ft)		10.67	
Q Total (cfs)	17.00	Flow (cfs)		17.00	
Top Width (ft)	23.89	Top Width (ft)		23.89	
Vel Total (ft/s)	1.59	Avg. Vel. (ft/s)		1.59	
Max Chl Dpth (ft)	0.49	Hydr. Depth (ft)		0.45	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5373.75* Profile: Q010 (Continued)

Conv. Total (cfs)	156.6	Conv. (cfs)		156.6	
Length Wtd. (ft)	32.74	Wetted Per. (ft)		24.01	
Min Ch EI (ft)	7120.50	Shear (lb/sq ft)		0.33	
Alpha	1.00	Stream Power (lb/ft s)		0.52	
Frctn Loss (ft)	0.58	Cum Volume (acre-ft)		1.41	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.94	0.03

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5341 Profile: Q010

E.G. Elev (ft)	7120.44	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.07	Wt. n-Val.		0.059	
W.S. Elev (ft)	7120.37	Reach Len. (ft)	30.67	30.33	30.33
Crit W.S. (ft)		Flow Area (sq ft)		8.01	
E.G. Slope (ft/ft)	0.029148	Area (sq ft)		8.01	
Q Total (cfs)	17.00	Flow (cfs)		17.00	
Top Width (ft)	22.98	Top Width (ft)		22.98	
Vel Total (ft/s)	2.12	Avg. Vel. (ft/s)		2.12	
Max Chl Dpth (ft)	0.37	Hydr. Depth (ft)		0.35	
Conv. Total (cfs)	99.6	Conv. (cfs)		99.6	
Length Wtd. (ft)	30.33	Wetted Per. (ft)		23.07	
Min Ch EI (ft)	7120.00	Shear (lb/sq ft)		0.63	
Alpha	1.00	Stream Power (lb/ft s)		1.34	
Frctn Loss (ft)	0.87	Cum Volume (acre-ft)		1.40	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.93	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5310.67* Profile: Q010

E.G. Elev (ft)	7119.58	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.07	Wt. n-Val.		0.059	
W.S. Elev (ft)	7119.51	Reach Len. (ft)	30.67	30.33	30.33
Crit W.S. (ft)		Flow Area (sq ft)		8.11	
E.G. Slope (ft/ft)	0.028013	Area (sq ft)		8.11	
Q Total (cfs)	17.00	Flow (cfs)		17.00	
Top Width (ft)	23.02	Top Width (ft)		23.02	
Vel Total (ft/s)	2.10	Avg. Vel. (ft/s)		2.10	
Max Chl Dpth (ft)	0.38	Hydr. Depth (ft)		0.35	
Conv. Total (cfs)	101.6	Conv. (cfs)		101.6	
Length Wtd. (ft)	30.33	Wetted Per. (ft)		23.11	
Min Ch EI (ft)	7119.13	Shear (lb/sq ft)		0.61	
Alpha	1.00	Stream Power (lb/ft s)		1.29	
Frctn Loss (ft)	0.87	Cum Volume (acre-ft)		1.40	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.91	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5280.33* Profile: Q010

E.G. Elev (ft)	7118.71	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.07	Wt. n-Val.		0.059	
W.S. Elev (ft)	7118.64	Reach Len. (ft)	30.67	30.33	30.33
Crit W.S. (ft)		Flow Area (sq ft)		8.01	
E.G. Slope (ft/ft)	0.029148	Area (sq ft)		8.01	
Q Total (cfs)	17.00	Flow (cfs)		17.00	
Top Width (ft)	22.98	Top Width (ft)		22.98	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5280.33* Profile: Q010 (Continued)

Vel Total (ft/s)	2.12	Avg. Vel. (ft/s)		2.12	
Max Chl Dpth (ft)	0.37	Hydr. Depth (ft)		0.35	
Conv. Total (cfs)	99.6	Conv. (cfs)		99.6	
Length Wtd. (ft)	30.33	Wetted Per. (ft)		23.07	
Min Ch El (ft)	7118.27	Shear (lb/sq ft)		0.63	
Alpha	1.00	Stream Power (lb/ft s)		1.34	
Frctn Loss (ft)	0.87	Cum Volume (acre-ft)		1.39	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.89	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5250 Profile: Q010

E.G. Elev (ft)	7117.84	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.07	Wt. n-Val.		0.059	
W.S. Elev (ft)	7117.78	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)		Flow Area (sq ft)		8.06	
E.G. Slope (ft/ft)	0.028510	Area (sq ft)		8.06	
Q Total (cfs)	17.00	Flow (cfs)		17.00	
Top Width (ft)	23.00	Top Width (ft)		23.00	
Vel Total (ft/s)	2.11	Avg. Vel. (ft/s)		2.11	
Max Chl Dpth (ft)	0.38	Hydr. Depth (ft)		0.35	
Conv. Total (cfs)	100.7	Conv. (cfs)		100.7	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		23.09	
Min Ch El (ft)	7117.40	Shear (lb/sq ft)		0.62	
Alpha	1.00	Stream Power (lb/ft s)		1.31	
Frctn Loss (ft)	0.96	Cum Volume (acre-ft)		1.39	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.88	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5217.25* Profile: Q010

E.G. Elev (ft)	7116.89	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.07	Wt. n-Val.		0.059	
W.S. Elev (ft)	7116.82	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)		Flow Area (sq ft)		7.94	
E.G. Slope (ft/ft)	0.029938	Area (sq ft)		7.94	
Q Total (cfs)	17.00	Flow (cfs)		17.00	
Top Width (ft)	22.96	Top Width (ft)		22.96	
Vel Total (ft/s)	2.14	Avg. Vel. (ft/s)		2.14	
Max Chl Dpth (ft)	0.37	Hydr. Depth (ft)		0.35	
Conv. Total (cfs)	98.3	Conv. (cfs)		98.3	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		23.05	
Min Ch El (ft)	7116.45	Shear (lb/sq ft)		0.64	
Alpha	1.00	Stream Power (lb/ft s)		1.38	
Frctn Loss (ft)	0.94	Cum Volume (acre-ft)		1.38	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.86	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5184.50* Profile: Q010

E.G. Elev (ft)	7115.95	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.07	Wt. n-Val.		0.059	
W.S. Elev (ft)	7115.88	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)		Flow Area (sq ft)		8.15	
E.G. Slope (ft/ft)	0.027527	Area (sq ft)		8.15	
Q Total (cfs)	17.00	Flow (cfs)		17.00	
Top Width (ft)	23.03	Top Width (ft)		23.03	
Vel Total (ft/s)	2.09	Avg. Vel. (ft/s)		2.09	
Max Chl Dpth (ft)	0.38	Hydr. Depth (ft)		0.35	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5184.50* Profile: Q010 (Continued)

Conv. Total (cfs)	102.5	Conv. (cfs)		102.5	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		23.12	
Min Ch El (ft)	7115.50	Shear (lb/sq ft)		0.61	
Alpha	1.00	Stream Power (lb/ft s)		1.26	
Frctn Loss (ft)	0.97	Cum Volume (acre-ft)		1.38	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.84	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5151.75* Profile: Q010

E.G. Elev (ft)	7114.99	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.07	Wt. n-Val.		0.059	
W.S. Elev (ft)	7114.91	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)		Flow Area (sq ft)		7.79	
E.G. Slope (ft/ft)	0.031748	Area (sq ft)		7.79	
Q Total (cfs)	17.00	Flow (cfs)		17.00	
Top Width (ft)	22.90	Top Width (ft)		22.90	
Vel Total (ft/s)	2.18	Avg. Vel. (ft/s)		2.18	
Max Chl Dpth (ft)	0.36	Hydr. Depth (ft)		0.34	
Conv. Total (cfs)	95.4	Conv. (cfs)		95.4	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		22.99	
Min Ch El (ft)	7114.55	Shear (lb/sq ft)		0.67	
Alpha	1.00	Stream Power (lb/ft s)		1.47	
Frctn Loss (ft)	0.94	Cum Volume (acre-ft)		1.37	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.83	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5119.00* Profile: Q010

E.G. Elev (ft)	7114.05	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.07	Wt. n-Val.		0.059	
W.S. Elev (ft)	7113.98	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)		Flow Area (sq ft)		8.28	
E.G. Slope (ft/ft)	0.026245	Area (sq ft)		8.28	
Q Total (cfs)	17.00	Flow (cfs)		17.00	
Top Width (ft)	23.07	Top Width (ft)		23.07	
Vel Total (ft/s)	2.05	Avg. Vel. (ft/s)		2.05	
Max Chl Dpth (ft)	0.38	Hydr. Depth (ft)		0.36	
Conv. Total (cfs)	104.9	Conv. (cfs)		104.9	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		23.17	
Min Ch El (ft)	7113.60	Shear (lb/sq ft)		0.59	
Alpha	1.00	Stream Power (lb/ft s)		1.20	
Frctn Loss (ft)	0.97	Cum Volume (acre-ft)		1.36	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.81	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5086.25* Profile: Q010

E.G. Elev (ft)	7113.08	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.		0.059	
W.S. Elev (ft)	7113.01	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)		Flow Area (sq ft)		7.64	
E.G. Slope (ft/ft)	0.033855	Area (sq ft)		7.64	
Q Total (cfs)	17.00	Flow (cfs)		17.00	
Top Width (ft)	22.85	Top Width (ft)		22.85	
Vel Total (ft/s)	2.23	Avg. Vel. (ft/s)		2.23	
Max Chl Dpth (ft)	0.36	Hydr. Depth (ft)		0.33	
Conv. Total (cfs)	92.4	Conv. (cfs)		92.4	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		22.94	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5086.25* Profile: Q010 (Continued)

Min Ch El (ft)	7112.65	Shear (lb/sq ft)		0.70	
Alpha	1.00	Stream Power (lb/ft s)		1.57	
Frctn Loss (ft)	0.91	Cum Volume (acre-ft)		1.36	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.79	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5053.50* Profile: Q010

E.G. Elev (ft)	7112.16	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.06	Wt. n-Val.		0.059	
W.S. Elev (ft)	7112.10	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)		Flow Area (sq ft)		8.59	
E.G. Slope (ft/ft)	0.023312	Area (sq ft)		8.59	
Q Total (cfs)	17.00	Flow (cfs)		17.00	
Top Width (ft)	23.18	Top Width (ft)		23.18	
Vel Total (ft/s)	1.98	Avg. Vel. (ft/s)		1.98	
Max Chl Dpth (ft)	0.40	Hydr. Depth (ft)		0.37	
Conv. Total (cfs)	111.3	Conv. (cfs)		111.3	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		23.28	
Min Ch El (ft)	7111.70	Shear (lb/sq ft)		0.54	
Alpha	1.00	Stream Power (lb/ft s)		1.06	
Frctn Loss (ft)	0.97	Cum Volume (acre-ft)		1.35	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.77	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5020.75* Profile: Q010

E.G. Elev (ft)	7111.18	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.		0.059	
W.S. Elev (ft)	7111.09	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)		Flow Area (sq ft)		7.30	
E.G. Slope (ft/ft)	0.039019	Area (sq ft)		7.30	
Q Total (cfs)	17.00	Flow (cfs)		17.00	
Top Width (ft)	22.73	Top Width (ft)		22.73	
Vel Total (ft/s)	2.33	Avg. Vel. (ft/s)		2.33	
Max Chl Dpth (ft)	0.34	Hydr. Depth (ft)		0.32	
Conv. Total (cfs)	86.1	Conv. (cfs)		86.1	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		22.82	
Min Ch El (ft)	7110.75	Shear (lb/sq ft)		0.78	
Alpha	1.00	Stream Power (lb/ft s)		1.81	
Frctn Loss (ft)	0.90	Cum Volume (acre-ft)		1.35	0.01
C & E Loss (ft)	0.01	Cum SA (acres)		3.76	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4988.00* Profile: Q010

E.G. Elev (ft)	7110.27	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.06	Wt. n-Val.		0.059	
W.S. Elev (ft)	7110.21	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)		Flow Area (sq ft)		8.94	
E.G. Slope (ft/ft)	0.020539	Area (sq ft)		8.94	
Q Total (cfs)	17.00	Flow (cfs)		17.00	
Top Width (ft)	23.30	Top Width (ft)		23.30	
Vel Total (ft/s)	1.90	Avg. Vel. (ft/s)		1.90	
Max Chl Dpth (ft)	0.41	Hydr. Depth (ft)		0.38	
Conv. Total (cfs)	118.6	Conv. (cfs)		118.6	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		23.41	
Min Ch El (ft)	7109.80	Shear (lb/sq ft)		0.49	
Alpha	1.00	Stream Power (lb/ft s)		0.93	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4988.00* Profile: Q010 (Continued)

Frctn Loss (ft)	0.99	Cum Volume (acre-ft)		1.34	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.74	0.03

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4955.25* Profile: Q010

E.G. Elev (ft)	7109.27	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.059	
W.S. Elev (ft)	7109.17	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)	7109.13	Flow Area (sq ft)		6.79	
E.G. Slope (ft/ft)	0.049304	Area (sq ft)		6.79	
Q Total (cfs)	17.00	Flow (cfs)		17.00	
Top Width (ft)	22.56	Top Width (ft)		22.56	
Vel Total (ft/s)	2.50	Avg. Vel. (ft/s)		2.50	
Max Chl Dpth (ft)	0.32	Hydr. Depth (ft)		0.30	
Conv. Total (cfs)	76.6	Conv. (cfs)		76.6	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		22.64	
Min Ch EI (ft)	7108.85	Shear (lb/sq ft)		0.92	
Alpha	1.00	Stream Power (lb/ft s)		2.31	
Frctn Loss (ft)	0.87	Cum Volume (acre-ft)		1.33	0.01
C & E Loss (ft)	0.01	Cum SA (acres)		3.72	0.03

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4922.50* Profile: Q010

E.G. Elev (ft)	7108.39	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.059	
W.S. Elev (ft)	7108.34	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)	7108.18	Flow Area (sq ft)		9.58	
E.G. Slope (ft/ft)	0.016521	Area (sq ft)		9.58	
Q Total (cfs)	17.00	Flow (cfs)		17.00	
Top Width (ft)	23.52	Top Width (ft)		23.52	
Vel Total (ft/s)	1.77	Avg. Vel. (ft/s)		1.77	
Max Chl Dpth (ft)	0.44	Hydr. Depth (ft)		0.41	
Conv. Total (cfs)	132.3	Conv. (cfs)		132.3	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		23.63	
Min Ch EI (ft)	7107.90	Shear (lb/sq ft)		0.42	
Alpha	1.00	Stream Power (lb/ft s)		0.74	
Frctn Loss (ft)	1.02	Cum Volume (acre-ft)		1.33	0.01
C & E Loss (ft)	0.01	Cum SA (acres)		3.71	0.03

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4889.75* Profile: Q010

E.G. Elev (ft)	7107.36	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.13	Wt. n-Val.		0.059	
W.S. Elev (ft)	7107.23	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)	7107.23	Flow Area (sq ft)		5.82	
E.G. Slope (ft/ft)	0.080437	Area (sq ft)		5.82	
Q Total (cfs)	17.00	Flow (cfs)		17.00	
Top Width (ft)	22.21	Top Width (ft)		22.21	
Vel Total (ft/s)	2.92	Avg. Vel. (ft/s)		2.92	
Max Chl Dpth (ft)	0.28	Hydr. Depth (ft)		0.26	
Conv. Total (cfs)	59.9	Conv. (cfs)		59.9	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		22.27	
Min Ch EI (ft)	7106.95	Shear (lb/sq ft)		1.31	
Alpha	1.00	Stream Power (lb/ft s)		3.83	
Frctn Loss (ft)	0.79	Cum Volume (acre-ft)		1.32	0.01
C & E Loss (ft)	0.03	Cum SA (acres)		3.69	0.03

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Warning:	During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4857 Profile: Q010

E.G. Elev (ft)	7106.53	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.059	
W.S. Elev (ft)	7106.49	Reach Len. (ft)	35.20	35.00	35.00
Crit W.S. (ft)	7106.28	Flow Area (sq ft)		10.80	
E.G. Slope (ft/ft)	0.011359	Area (sq ft)		10.80	
Q Total (cfs)	17.00	Flow (cfs)		17.00	
Top Width (ft)	23.93	Top Width (ft)		23.93	
Vel Total (ft/s)	1.57	Avg. Vel. (ft/s)		1.57	
Max Chl Dpth (ft)	0.49	Hydr. Depth (ft)		0.45	
Conv. Total (cfs)	159.5	Conv. (cfs)		159.5	
Length Wtd. (ft)	35.00	Wetted Per. (ft)		24.05	
Min Ch EI (ft)	7106.00	Shear (lb/sq ft)		0.32	
Alpha	1.00	Stream Power (lb/ft s)		0.50	
Frctn Loss (ft)	0.40	Cum Volume (acre-ft)		1.31	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.67	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4822.00* Profile: Q010

E.G. Elev (ft)	7106.13	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.059	
W.S. Elev (ft)	7106.09	Reach Len. (ft)	35.20	35.00	35.00
Crit W.S. (ft)		Flow Area (sq ft)		10.77	
E.G. Slope (ft/ft)	0.011475	Area (sq ft)		10.77	
Q Total (cfs)	17.00	Flow (cfs)		17.00	
Top Width (ft)	23.92	Top Width (ft)		23.92	
Vel Total (ft/s)	1.58	Avg. Vel. (ft/s)		1.58	
Max Chl Dpth (ft)	0.49	Hydr. Depth (ft)		0.45	
Conv. Total (cfs)	158.7	Conv. (cfs)		158.7	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4822.00* Profile: Q010 (Continued)

Length Wtd. (ft)	35.00	Wetted Per. (ft)		24.04	
Min Ch El (ft)	7105.60	Shear (lb/sq ft)		0.32	
Alpha	1.00	Stream Power (lb/ft s)		0.51	
Frctn Loss (ft)	0.40	Cum Volume (acre-ft)		1.31	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.65	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4787.00* Profile: Q010

E.G. Elev (ft)	7105.73	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.059	
W.S. Elev (ft)	7105.69	Reach Len. (ft)	35.20	35.00	35.00
Crit W.S. (ft)		Flow Area (sq ft)		10.85	
E.G. Slope (ft/ft)	0.011206	Area (sq ft)		10.85	
Q Total (cfs)	17.00	Flow (cfs)		17.00	
Top Width (ft)	23.95	Top Width (ft)		23.95	
Vel Total (ft/s)	1.57	Avg. Vel. (ft/s)		1.57	
Max Chl Dpth (ft)	0.49	Hydr. Depth (ft)		0.45	
Conv. Total (cfs)	160.6	Conv. (cfs)		160.6	
Length Wtd. (ft)	35.00	Wetted Per. (ft)		24.07	
Min Ch El (ft)	7105.20	Shear (lb/sq ft)		0.32	
Alpha	1.00	Stream Power (lb/ft s)		0.49	
Frctn Loss (ft)	0.41	Cum Volume (acre-ft)		1.30	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.63	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4752.00* Profile: Q010

E.G. Elev (ft)	7105.32	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.059	
W.S. Elev (ft)	7105.28	Reach Len. (ft)	35.20	35.00	35.00
Crit W.S. (ft)		Flow Area (sq ft)		10.51	
E.G. Slope (ft/ft)	0.012374	Area (sq ft)		10.51	
Q Total (cfs)	17.00	Flow (cfs)		17.00	
Top Width (ft)	23.84	Top Width (ft)		23.84	
Vel Total (ft/s)	1.62	Avg. Vel. (ft/s)		1.62	
Max Chl Dpth (ft)	0.48	Hydr. Depth (ft)		0.44	
Conv. Total (cfs)	152.8	Conv. (cfs)		152.8	
Length Wtd. (ft)	35.00	Wetted Per. (ft)		23.95	
Min Ch El (ft)	7104.80	Shear (lb/sq ft)		0.34	
Alpha	1.00	Stream Power (lb/ft s)		0.55	
Frctn Loss (ft)	0.35	Cum Volume (acre-ft)		1.29	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.61	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4717.00* Profile: Q010

E.G. Elev (ft)	7104.97	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.059	
W.S. Elev (ft)	7104.94	Reach Len. (ft)	35.20	35.00	35.00
Crit W.S. (ft)		Flow Area (sq ft)		11.96	
E.G. Slope (ft/ft)	0.008275	Area (sq ft)		11.96	
Q Total (cfs)	17.00	Flow (cfs)		17.00	
Top Width (ft)	24.32	Top Width (ft)		24.32	
Vel Total (ft/s)	1.42	Avg. Vel. (ft/s)		1.42	
Max Chl Dpth (ft)	0.54	Hydr. Depth (ft)		0.49	
Conv. Total (cfs)	186.9	Conv. (cfs)		186.9	
Length Wtd. (ft)	35.00	Wetted Per. (ft)		24.45	
Min Ch El (ft)	7104.40	Shear (lb/sq ft)		0.25	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4717.00* Profile: Q010 (Continued)

Alpha	1.00	Stream Power (lb/ft s)		0.36	
Frctn Loss (ft)	0.54	Cum Volume (acre-ft)		1.28	0.01
C & E Loss (ft)	0.01	Cum SA (acres)		3.59	0.03

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4682 Profile: Q010

E.G. Elev (ft)	7104.43	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.		0.059	
W.S. Elev (ft)	7104.34	Reach Len. (ft)	28.50	28.50	28.50
Crit W.S. (ft)		Flow Area (sq ft)		7.33	
E.G. Slope (ft/ft)	0.038644	Area (sq ft)		7.33	
Q Total (cfs)	17.00	Flow (cfs)		17.00	
Top Width (ft)	22.74	Top Width (ft)		22.74	
Vel Total (ft/s)	2.32	Avg. Vel. (ft/s)		2.32	
Max Chl Dpth (ft)	0.34	Hydr. Depth (ft)		0.32	
Conv. Total (cfs)	86.5	Conv. (cfs)		86.5	
Length Wtd. (ft)	28.50	Wetted Per. (ft)		22.83	
Min Ch EI (ft)	7104.00	Shear (lb/sq ft)		0.77	
Alpha	1.00	Stream Power (lb/ft s)		1.80	
Frctn Loss (ft)	0.90	Cum Volume (acre-ft)		1.27	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.57	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4653.50* Profile: Q010

E.G. Elev (ft)	7103.53	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.		0.059	
W.S. Elev (ft)	7103.45	Reach Len. (ft)	28.50	28.50	28.50
Crit W.S. (ft)		Flow Area (sq ft)		7.60	
E.G. Slope (ft/ft)	0.026257	Area (sq ft)		7.60	
Q Total (cfs)	17.00	Flow (cfs)		17.00	
Top Width (ft)	18.62	Top Width (ft)		18.62	
Vel Total (ft/s)	2.24	Avg. Vel. (ft/s)		2.24	
Max Chl Dpth (ft)	0.45	Hydr. Depth (ft)		0.41	
Conv. Total (cfs)	104.9	Conv. (cfs)		104.9	
Length Wtd. (ft)	28.50	Wetted Per. (ft)		18.73	
Min Ch EI (ft)	7103.00	Shear (lb/sq ft)		0.67	
Alpha	1.00	Stream Power (lb/ft s)		1.49	
Frctn Loss (ft)	0.87	Cum Volume (acre-ft)		1.27	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.56	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4625 Profile: Q010

E.G. Elev (ft)	7102.65	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.		0.059	
W.S. Elev (ft)	7102.53	Reach Len. (ft)	24.67	25.00	24.33
Crit W.S. (ft)		Flow Area (sq ft)		6.46	
E.G. Slope (ft/ft)	0.035577	Area (sq ft)		6.46	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	14.26	Top Width (ft)		14.26	
Vel Total (ft/s)	2.79	Avg. Vel. (ft/s)		2.79	
Max Chl Dpth (ft)	0.53	Hydr. Depth (ft)		0.45	
Conv. Total (cfs)	95.4	Conv. (cfs)		95.4	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4625 Profile: Q010 (Continued)

Length Wtd. (ft)	25.00	Wetted Per. (ft)		14.39	
Min Ch El (ft)	7102.00	Shear (lb/sq ft)		1.00	
Alpha	1.00	Stream Power (lb/ft s)		2.78	
Frctn Loss (ft)	0.77	Cum Volume (acre-ft)		1.26	0.01
C & E Loss (ft)	0.01	Cum SA (acres)		3.55	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4600.00* Profile: Q010

E.G. Elev (ft)	7101.88	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.059	
W.S. Elev (ft)	7101.78	Reach Len. (ft)	24.67	25.00	24.33
Crit W.S. (ft)		Flow Area (sq ft)		7.08	
E.G. Slope (ft/ft)	0.027157	Area (sq ft)		7.08	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	14.60	Top Width (ft)		14.60	
Vel Total (ft/s)	2.54	Avg. Vel. (ft/s)		2.54	
Max Chl Dpth (ft)	0.58	Hydr. Depth (ft)		0.48	
Conv. Total (cfs)	109.2	Conv. (cfs)		109.2	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		14.74	
Min Ch El (ft)	7101.20	Shear (lb/sq ft)		0.81	
Alpha	1.00	Stream Power (lb/ft s)		2.07	
Frctn Loss (ft)	0.84	Cum Volume (acre-ft)		1.26	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.54	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4575.00* Profile: Q010

E.G. Elev (ft)	7101.04	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.13	Wt. n-Val.		0.059	
W.S. Elev (ft)	7100.91	Reach Len. (ft)	24.67	25.00	24.33
Crit W.S. (ft)		Flow Area (sq ft)		6.11	
E.G. Slope (ft/ft)	0.042081	Area (sq ft)		6.11	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	14.06	Top Width (ft)		14.06	
Vel Total (ft/s)	2.95	Avg. Vel. (ft/s)		2.95	
Max Chl Dpth (ft)	0.51	Hydr. Depth (ft)		0.43	
Conv. Total (cfs)	87.7	Conv. (cfs)		87.7	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		14.19	
Min Ch El (ft)	7100.40	Shear (lb/sq ft)		1.13	
Alpha	1.00	Stream Power (lb/ft s)		3.33	
Frctn Loss (ft)	0.71	Cum Volume (acre-ft)		1.26	0.01
C & E Loss (ft)	0.02	Cum SA (acres)		3.53	0.03

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4550 Profile: Q010

E.G. Elev (ft)	7100.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.		0.059	
W.S. Elev (ft)	7100.22	Reach Len. (ft)	33.50	25.00	18.00
Crit W.S. (ft)		Flow Area (sq ft)		7.78	
E.G. Slope (ft/ft)	0.020528	Area (sq ft)		7.78	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	14.98	Top Width (ft)		14.98	
Vel Total (ft/s)	2.31	Avg. Vel. (ft/s)		2.31	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4550 Profile: Q010 (Continued)

Max Chl Dpth (ft)	0.62	Hydr. Depth (ft)		0.52	
Conv. Total (cfs)	125.6	Conv. (cfs)		125.6	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		15.13	
Min Ch El (ft)	7099.60	Shear (lb/sq ft)		0.66	
Alpha	1.00	Stream Power (lb/ft s)		1.52	
Frctn Loss (ft)	0.71	Cum Volume (acre-ft)		1.25	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.53	0.03

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4525.00* Profile: Q010

E.G. Elev (ft)	7099.59	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.13	Wt. n-Val.		0.059	
W.S. Elev (ft)	7099.46	Reach Len. (ft)	33.50	25.00	18.00
Crit W.S. (ft)		Flow Area (sq ft)		6.15	
E.G. Slope (ft/ft)	0.041242	Area (sq ft)		6.15	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	14.09	Top Width (ft)		14.09	
Vel Total (ft/s)	2.93	Avg. Vel. (ft/s)		2.93	
Max Chl Dpth (ft)	0.51	Hydr. Depth (ft)		0.44	
Conv. Total (cfs)	88.6	Conv. (cfs)		88.6	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		14.21	
Min Ch El (ft)	7098.95	Shear (lb/sq ft)		1.11	
Alpha	1.00	Stream Power (lb/ft s)		3.26	
Frctn Loss (ft)	0.47	Cum Volume (acre-ft)		1.25	0.01
C & E Loss (ft)	0.02	Cum SA (acres)		3.52	0.03

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4500 Profile: Q010

E.G. Elev (ft)	7099.10	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.059	
W.S. Elev (ft)	7099.05	Reach Len. (ft)	28.00	28.00	28.00
Crit W.S. (ft)		Flow Area (sq ft)		9.70	
E.G. Slope (ft/ft)	0.010711	Area (sq ft)		9.70	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	15.98	Top Width (ft)		15.98	
Vel Total (ft/s)	1.86	Avg. Vel. (ft/s)		1.86	
Max Chl Dpth (ft)	0.75	Hydr. Depth (ft)		0.61	
Conv. Total (cfs)	173.9	Conv. (cfs)		173.9	
Length Wtd. (ft)	28.00	Wetted Per. (ft)		16.16	
Min Ch El (ft)	7098.30	Shear (lb/sq ft)		0.40	
Alpha	1.00	Stream Power (lb/ft s)		0.74	
Frctn Loss (ft)	0.30	Cum Volume (acre-ft)		1.24	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.51	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4472.00* Profile: Q010

E.G. Elev (ft)	7098.80	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.059	
W.S. Elev (ft)	7098.75	Reach Len. (ft)	28.00	28.00	28.00
Crit W.S. (ft)		Flow Area (sq ft)		9.70	
E.G. Slope (ft/ft)	0.010711	Area (sq ft)		9.70	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	15.98	Top Width (ft)		15.98	
Vel Total (ft/s)	1.86	Avg. Vel. (ft/s)		1.86	
Max Chl Dpth (ft)	0.75	Hydr. Depth (ft)		0.61	
Conv. Total (cfs)	173.9	Conv. (cfs)		173.9	
Length Wtd. (ft)	28.00	Wetted Per. (ft)		16.16	
Min Ch El (ft)	7098.00	Shear (lb/sq ft)		0.40	
Alpha	1.00	Stream Power (lb/ft s)		0.74	
Frctn Loss (ft)	0.30	Cum Volume (acre-ft)		1.24	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.50	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4444.00* Profile: Q010

E.G. Elev (ft)	7098.50	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.059	
W.S. Elev (ft)	7098.45	Reach Len. (ft)	28.00	28.00	28.00
Crit W.S. (ft)		Flow Area (sq ft)		9.70	
E.G. Slope (ft/ft)	0.010711	Area (sq ft)		9.70	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	15.98	Top Width (ft)		15.98	
Vel Total (ft/s)	1.86	Avg. Vel. (ft/s)		1.86	
Max Chl Dpth (ft)	0.75	Hydr. Depth (ft)		0.61	
Conv. Total (cfs)	173.9	Conv. (cfs)		173.9	
Length Wtd. (ft)	28.00	Wetted Per. (ft)		16.16	
Min Ch El (ft)	7097.70	Shear (lb/sq ft)		0.40	
Alpha	1.00	Stream Power (lb/ft s)		0.74	
Frctn Loss (ft)	0.30	Cum Volume (acre-ft)		1.23	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.49	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4416.00* Profile: Q010

E.G. Elev (ft)	7098.20	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.059	
W.S. Elev (ft)	7098.15	Reach Len. (ft)	28.00	28.00	28.00
Crit W.S. (ft)		Flow Area (sq ft)		9.69	
E.G. Slope (ft/ft)	0.010761	Area (sq ft)		9.69	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	15.97	Top Width (ft)		15.97	
Vel Total (ft/s)	1.86	Avg. Vel. (ft/s)		1.86	
Max Chl Dpth (ft)	0.75	Hydr. Depth (ft)		0.61	
Conv. Total (cfs)	173.5	Conv. (cfs)		173.5	
Length Wtd. (ft)	28.00	Wetted Per. (ft)		16.15	
Min Ch El (ft)	7097.40	Shear (lb/sq ft)		0.40	
Alpha	1.00	Stream Power (lb/ft s)		0.75	
Frctn Loss (ft)	0.30	Cum Volume (acre-ft)		1.22	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.48	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4388.00* Profile: Q010

E.G. Elev (ft)	7097.90	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.059	
W.S. Elev (ft)	7097.85	Reach Len. (ft)	28.00	28.00	28.00
Crit W.S. (ft)		Flow Area (sq ft)		9.71	
E.G. Slope (ft/ft)	0.010686	Area (sq ft)		9.71	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	15.98	Top Width (ft)		15.98	
Vel Total (ft/s)	1.85	Avg. Vel. (ft/s)		1.85	
Max Chl Dpth (ft)	0.75	Hydr. Depth (ft)		0.61	
Conv. Total (cfs)	174.1	Conv. (cfs)		174.1	
Length Wtd. (ft)	28.00	Wetted Per. (ft)		16.16	
Min Ch El (ft)	7097.10	Shear (lb/sq ft)		0.40	
Alpha	1.00	Stream Power (lb/ft s)		0.74	
Frctn Loss (ft)	0.30	Cum Volume (acre-ft)		1.22	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.47	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4360.00* Profile: Q010

E.G. Elev (ft)	7097.60	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.059	
W.S. Elev (ft)	7097.55	Reach Len. (ft)	28.00	28.00	28.00
Crit W.S. (ft)		Flow Area (sq ft)		9.68	
E.G. Slope (ft/ft)	0.010787	Area (sq ft)		9.68	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	15.96	Top Width (ft)		15.96	
Vel Total (ft/s)	1.86	Avg. Vel. (ft/s)		1.86	
Max Chl Dpth (ft)	0.75	Hydr. Depth (ft)		0.61	
Conv. Total (cfs)	173.3	Conv. (cfs)		173.3	
Length Wtd. (ft)	28.00	Wetted Per. (ft)		16.15	
Min Ch El (ft)	7096.80	Shear (lb/sq ft)		0.40	
Alpha	1.00	Stream Power (lb/ft s)		0.75	
Frctn Loss (ft)	0.30	Cum Volume (acre-ft)		1.21	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.46	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4332.00* Profile: Q010

E.G. Elev (ft)	7097.30	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.059	
W.S. Elev (ft)	7097.25	Reach Len. (ft)	28.00	28.00	28.00
Crit W.S. (ft)		Flow Area (sq ft)		9.76	
E.G. Slope (ft/ft)	0.010538	Area (sq ft)		9.76	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	16.00	Top Width (ft)		16.00	
Vel Total (ft/s)	1.84	Avg. Vel. (ft/s)		1.84	
Max Chl Dpth (ft)	0.75	Hydr. Depth (ft)		0.61	
Conv. Total (cfs)	175.3	Conv. (cfs)		175.3	
Length Wtd. (ft)	28.00	Wetted Per. (ft)		16.19	
Min Ch El (ft)	7096.50	Shear (lb/sq ft)		0.40	
Alpha	1.00	Stream Power (lb/ft s)		0.73	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)		1.21	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.45	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4304.00* Profile: Q010

E.G. Elev (ft)	7097.02	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.059	
W.S. Elev (ft)	7096.97	Reach Len. (ft)	28.00	28.00	28.00
Crit W.S. (ft)		Flow Area (sq ft)		10.10	
E.G. Slope (ft/ft)	0.009519	Area (sq ft)		10.10	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	16.18	Top Width (ft)		16.18	
Vel Total (ft/s)	1.78	Avg. Vel. (ft/s)		1.78	
Max Chl Dpth (ft)	0.77	Hydr. Depth (ft)		0.62	
Conv. Total (cfs)	184.5	Conv. (cfs)		184.5	
Length Wtd. (ft)	28.00	Wetted Per. (ft)		16.37	
Min Ch El (ft)	7096.20	Shear (lb/sq ft)		0.37	
Alpha	1.00	Stream Power (lb/ft s)		0.65	
Frctn Loss (ft)	0.35	Cum Volume (acre-ft)		1.20	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.44	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4276 Profile: Q010

E.G. Elev (ft)	7096.67	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.06	Wt. n-Val.		0.068	
W.S. Elev (ft)	7096.61	Reach Len. (ft)	25.00	25.20	25.00
Crit W.S. (ft)		Flow Area (sq ft)		9.11	
E.G. Slope (ft/ft)	0.017121	Area (sq ft)		9.11	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	15.68	Top Width (ft)		15.68	
Vel Total (ft/s)	1.98	Avg. Vel. (ft/s)		1.98	
Max Chl Dpth (ft)	0.71	Hydr. Depth (ft)		0.58	
Conv. Total (cfs)	137.6	Conv. (cfs)		137.6	
Length Wtd. (ft)	25.20	Wetted Per. (ft)		15.85	
Min Ch El (ft)	7095.90	Shear (lb/sq ft)		0.61	
Alpha	1.00	Stream Power (lb/ft s)		1.21	
Frctn Loss (ft)	0.42	Cum Volume (acre-ft)		1.19	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.43	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4250.80* Profile: Q010

E.G. Elev (ft)	7096.25	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.068	
W.S. Elev (ft)	7096.20	Reach Len. (ft)	25.00	25.20	25.00
Crit W.S. (ft)		Flow Area (sq ft)		9.60	
E.G. Slope (ft/ft)	0.016298	Area (sq ft)		9.60	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	17.25	Top Width (ft)		17.25	
Vel Total (ft/s)	1.88	Avg. Vel. (ft/s)		1.88	
Max Chl Dpth (ft)	0.66	Hydr. Depth (ft)		0.56	
Conv. Total (cfs)	141.0	Conv. (cfs)		141.0	
Length Wtd. (ft)	25.20	Wetted Per. (ft)		17.41	
Min Ch El (ft)	7095.54	Shear (lb/sq ft)		0.56	
Alpha	1.00	Stream Power (lb/ft s)		1.05	
Frctn Loss (ft)	0.41	Cum Volume (acre-ft)		1.19	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.42	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4225.60* Profile: Q010

E.G. Elev (ft)	7095.84	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.068	
W.S. Elev (ft)	7095.79	Reach Len. (ft)	25.00	25.20	25.00
Crit W.S. (ft)		Flow Area (sq ft)		9.98	
E.G. Slope (ft/ft)	0.016086	Area (sq ft)		9.98	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	18.86	Top Width (ft)		18.86	
Vel Total (ft/s)	1.80	Avg. Vel. (ft/s)		1.80	
Max Chl Dpth (ft)	0.61	Hydr. Depth (ft)		0.53	
Conv. Total (cfs)	141.9	Conv. (cfs)		141.9	
Length Wtd. (ft)	25.20	Wetted Per. (ft)		19.01	
Min Ch El (ft)	7095.18	Shear (lb/sq ft)		0.53	
Alpha	1.00	Stream Power (lb/ft s)		0.95	
Frctn Loss (ft)	0.41	Cum Volume (acre-ft)		1.18	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.41	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4200.40* Profile: Q010

E.G. Elev (ft)	7095.43	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.068	
W.S. Elev (ft)	7095.38	Reach Len. (ft)	25.00	25.20	25.00
Crit W.S. (ft)		Flow Area (sq ft)		10.20	
E.G. Slope (ft/ft)	0.016684	Area (sq ft)		10.20	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	20.47	Top Width (ft)		20.47	
Vel Total (ft/s)	1.77	Avg. Vel. (ft/s)		1.77	
Max Chl Dpth (ft)	0.56	Hydr. Depth (ft)		0.50	
Conv. Total (cfs)	139.4	Conv. (cfs)		139.4	
Length Wtd. (ft)	25.20	Wetted Per. (ft)		20.61	
Min Ch El (ft)	7094.82	Shear (lb/sq ft)		0.52	
Alpha	1.00	Stream Power (lb/ft s)		0.91	
Frctn Loss (ft)	0.34	Cum Volume (acre-ft)		1.18	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.40	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4175.20* Profile: Q010

E.G. Elev (ft)	7095.08	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.068	
W.S. Elev (ft)	7095.05	Reach Len. (ft)	25.00	25.20	25.00
Crit W.S. (ft)		Flow Area (sq ft)		11.98	
E.G. Slope (ft/ft)	0.011198	Area (sq ft)		11.98	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	22.71	Top Width (ft)		22.71	
Vel Total (ft/s)	1.50	Avg. Vel. (ft/s)		1.50	
Max Chl Dpth (ft)	0.59	Hydr. Depth (ft)		0.53	
Conv. Total (cfs)	170.1	Conv. (cfs)		170.1	
Length Wtd. (ft)	25.20	Wetted Per. (ft)		22.85	
Min Ch El (ft)	7094.46	Shear (lb/sq ft)		0.37	
Alpha	1.00	Stream Power (lb/ft s)		0.55	
Frctn Loss (ft)	0.55	Cum Volume (acre-ft)		1.17	0.01
C & E Loss (ft)	0.01	Cum SA (acres)		3.38	0.03

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4150 Profile: Q010

E.G. Elev (ft)	7094.54	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.09	Wt. n-Val.		0.068	
W.S. Elev (ft)	7094.44	Reach Len. (ft)	13.33	13.33	11.17
Crit W.S. (ft)		Flow Area (sq ft)		7.30	
E.G. Slope (ft/ft)	0.058108	Area (sq ft)		7.30	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	22.73	Top Width (ft)		22.73	
Vel Total (ft/s)	2.46	Avg. Vel. (ft/s)		2.46	
Max Chl Dpth (ft)	0.34	Hydr. Depth (ft)		0.32	
Conv. Total (cfs)	74.7	Conv. (cfs)		74.7	
Length Wtd. (ft)	13.33	Wetted Per. (ft)		22.82	
Min Ch El (ft)	7094.10	Shear (lb/sq ft)		1.16	
Alpha	1.00	Stream Power (lb/ft s)		2.86	
Frctn Loss (ft)	0.81	Cum Volume (acre-ft)		1.16	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.37	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4136.67* Profile: Q010

E.G. Elev (ft)	7093.73	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.068	
W.S. Elev (ft)	7093.63	Reach Len. (ft)	13.33	13.33	11.17
Crit W.S. (ft)		Flow Area (sq ft)		7.15	
E.G. Slope (ft/ft)	0.063333	Area (sq ft)		7.15	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	22.99	Top Width (ft)		22.99	
Vel Total (ft/s)	2.52	Avg. Vel. (ft/s)		2.52	
Max Chl Dpth (ft)	0.33	Hydr. Depth (ft)		0.31	
Conv. Total (cfs)	71.5	Conv. (cfs)		71.5	
Length Wtd. (ft)	13.33	Wetted Per. (ft)		23.07	
Min Ch El (ft)	7093.30	Shear (lb/sq ft)		1.23	
Alpha	1.00	Stream Power (lb/ft s)		3.09	
Frctn Loss (ft)	0.80	Cum Volume (acre-ft)		1.16	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.36	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4123.33* Profile: Q010

E.G. Elev (ft)	7092.93	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.09	Wt. n-Val.		0.068	
W.S. Elev (ft)	7092.84	Reach Len. (ft)	13.33	13.33	11.17
Crit W.S. (ft)		Flow Area (sq ft)		7.43	
E.G. Slope (ft/ft)	0.057226	Area (sq ft)		7.43	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	23.47	Top Width (ft)		23.47	
Vel Total (ft/s)	2.42	Avg. Vel. (ft/s)		2.42	
Max Chl Dpth (ft)	0.34	Hydr. Depth (ft)		0.32	
Conv. Total (cfs)	75.2	Conv. (cfs)		75.2	
Length Wtd. (ft)	13.33	Wetted Per. (ft)		23.54	
Min Ch El (ft)	7092.50	Shear (lb/sq ft)		1.13	
Alpha	1.00	Stream Power (lb/ft s)		2.73	
Frctn Loss (ft)	0.81	Cum Volume (acre-ft)		1.16	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.36	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4110.00* Profile: Q010

E.G. Elev (ft)	7092.13	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.068	
W.S. Elev (ft)	7092.03	Reach Len. (ft)	13.33	13.33	11.17
Crit W.S. (ft)		Flow Area (sq ft)		7.19	
E.G. Slope (ft/ft)	0.064850	Area (sq ft)		7.19	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	23.75	Top Width (ft)		23.75	
Vel Total (ft/s)	2.50	Avg. Vel. (ft/s)		2.50	
Max Chl Dpth (ft)	0.33	Hydr. Depth (ft)		0.30	
Conv. Total (cfs)	70.7	Conv. (cfs)		70.7	
Length Wtd. (ft)	13.33	Wetted Per. (ft)		23.81	
Min Ch El (ft)	7091.70	Shear (lb/sq ft)		1.22	
Alpha	1.00	Stream Power (lb/ft s)		3.06	
Frctn Loss (ft)	0.80	Cum Volume (acre-ft)		1.16	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.35	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4096.67* Profile: Q010

E.G. Elev (ft)	7091.33	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.09	Wt. n-Val.		0.068	
W.S. Elev (ft)	7091.24	Reach Len. (ft)	13.33	13.33	11.17
Crit W.S. (ft)		Flow Area (sq ft)		7.60	
E.G. Slope (ft/ft)	0.055873	Area (sq ft)		7.60	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	24.39	Top Width (ft)		24.39	
Vel Total (ft/s)	2.37	Avg. Vel. (ft/s)		2.37	
Max Chl Dpth (ft)	0.34	Hydr. Depth (ft)		0.31	
Conv. Total (cfs)	76.2	Conv. (cfs)		76.2	
Length Wtd. (ft)	13.33	Wetted Per. (ft)		24.45	
Min Ch El (ft)	7090.90	Shear (lb/sq ft)		1.08	
Alpha	1.00	Stream Power (lb/ft s)		2.57	
Frctn Loss (ft)	0.81	Cum Volume (acre-ft)		1.15	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.34	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4083.33* Profile: Q010

E.G. Elev (ft)	7090.52	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.068	
W.S. Elev (ft)	7090.42	Reach Len. (ft)	13.33	13.33	11.17
Crit W.S. (ft)	7090.38	Flow Area (sq ft)		7.23	
E.G. Slope (ft/ft)	0.066846	Area (sq ft)		7.23	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	24.69	Top Width (ft)		24.69	
Vel Total (ft/s)	2.49	Avg. Vel. (ft/s)		2.49	
Max Chl Dpth (ft)	0.32	Hydr. Depth (ft)		0.29	
Conv. Total (cfs)	69.6	Conv. (cfs)		69.6	
Length Wtd. (ft)	13.33	Wetted Per. (ft)		24.74	
Min Ch El (ft)	7090.10	Shear (lb/sq ft)		1.22	
Alpha	1.00	Stream Power (lb/ft s)		3.04	
Frctn Loss (ft)	0.80	Cum Volume (acre-ft)		1.15	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.33	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4070 Profile: Q010

E.G. Elev (ft)	7089.73	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.		0.068	
W.S. Elev (ft)	7089.64	Reach Len. (ft)	10.21	14.59	21.79
Crit W.S. (ft)		Flow Area (sq ft)		7.84	
E.G. Slope (ft/ft)	0.053676	Area (sq ft)		7.84	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	25.62	Top Width (ft)		25.62	
Vel Total (ft/s)	2.30	Avg. Vel. (ft/s)		2.30	
Max Chl Dpth (ft)	0.34	Hydr. Depth (ft)		0.31	
Conv. Total (cfs)	77.7	Conv. (cfs)		77.7	
Length Wtd. (ft)	14.59	Wetted Per. (ft)		25.68	
Min Ch El (ft)	7089.30	Shear (lb/sq ft)		1.02	
Alpha	1.00	Stream Power (lb/ft s)		2.35	
Frctn Loss (ft)	0.64	Cum Volume (acre-ft)		1.15	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.33	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4055.40* Profile: Q010

E.G. Elev (ft)	7089.09	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.		0.059	
W.S. Elev (ft)	7089.01	Reach Len. (ft)	10.21	14.59	21.79
Crit W.S. (ft)		Flow Area (sq ft)		7.88	
E.G. Slope (ft/ft)	0.036593	Area (sq ft)		7.88	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	24.11	Top Width (ft)		24.11	
Vel Total (ft/s)	2.28	Avg. Vel. (ft/s)		2.28	
Max Chl Dpth (ft)	0.39	Hydr. Depth (ft)		0.33	
Conv. Total (cfs)	94.1	Conv. (cfs)		94.1	
Length Wtd. (ft)	14.59	Wetted Per. (ft)		24.15	
Min Ch El (ft)	7088.62	Shear (lb/sq ft)		0.75	
Alpha	1.00	Stream Power (lb/ft s)		1.70	
Frctn Loss (ft)	0.66	Cum Volume (acre-ft)		1.15	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.32	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4040.80* Profile: Q010

E.G. Elev (ft)	7088.44	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.11	Wt. n-Val.		0.059	
W.S. Elev (ft)	7088.33	Reach Len. (ft)	10.21	14.59	21.79
Crit W.S. (ft)	7088.29	Flow Area (sq ft)		6.76	
E.G. Slope (ft/ft)	0.056417	Area (sq ft)		6.76	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	22.76	Top Width (ft)		22.76	
Vel Total (ft/s)	2.66	Avg. Vel. (ft/s)		2.66	
Max Chl Dpth (ft)	0.39	Hydr. Depth (ft)		0.30	
Conv. Total (cfs)	75.8	Conv. (cfs)		75.8	
Length Wtd. (ft)	14.59	Wetted Per. (ft)		22.79	
Min Ch El (ft)	7087.94	Shear (lb/sq ft)		1.05	
Alpha	1.00	Stream Power (lb/ft s)		2.78	
Frctn Loss (ft)	0.62	Cum Volume (acre-ft)		1.15	0.01
C & E Loss (ft)	0.01	Cum SA (acres)		3.31	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4026.20* Profile: Q010

E.G. Elev (ft)	7087.81	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.07	Wt. n-Val.		0.059	
W.S. Elev (ft)	7087.74	Reach Len. (ft)	10.21	14.59	21.79
Crit W.S. (ft)	7087.65	Flow Area (sq ft)		8.21	
E.G. Slope (ft/ft)	0.033082	Area (sq ft)		8.21	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	24.73	Top Width (ft)		24.73	
Vel Total (ft/s)	2.19	Avg. Vel. (ft/s)		2.19	
Max Chl Dpth (ft)	0.48	Hydr. Depth (ft)		0.33	
Conv. Total (cfs)	99.0	Conv. (cfs)		99.0	
Length Wtd. (ft)	14.59	Wetted Per. (ft)		24.76	
Min Ch El (ft)	7087.26	Shear (lb/sq ft)		0.68	
Alpha	1.00	Stream Power (lb/ft s)		1.50	
Frctn Loss (ft)	0.71	Cum Volume (acre-ft)		1.14	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.30	0.03

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4011.60* Profile: Q010

E.G. Elev (ft)	7087.09	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.		0.059	
W.S. Elev (ft)	7086.97	Reach Len. (ft)	10.21	14.59	21.79
Crit W.S. (ft)	7086.97	Flow Area (sq ft)		6.48	
E.G. Slope (ft/ft)	0.078088	Area (sq ft)		6.48	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	26.15	Top Width (ft)		26.15	
Vel Total (ft/s)	2.78	Avg. Vel. (ft/s)		2.78	
Max Chl Dpth (ft)	0.39	Hydr. Depth (ft)		0.25	
Conv. Total (cfs)	64.4	Conv. (cfs)		64.4	
Length Wtd. (ft)	14.59	Wetted Per. (ft)		26.17	
Min Ch El (ft)	7086.58	Shear (lb/sq ft)		1.21	
Alpha	1.00	Stream Power (lb/ft s)		3.35	
Frctn Loss (ft)	0.48	Cum Volume (acre-ft)		1.14	0.01
C & E Loss (ft)	0.02	Cum SA (acres)		3.29	0.03

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Warning:	During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3997 Profile: Q010

E.G. Elev (ft)	7086.40	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.059	
W.S. Elev (ft)	7086.35	Reach Len. (ft)	20.81	19.49	18.35
Crit W.S. (ft)	7086.21	Flow Area (sq ft)		10.34	
E.G. Slope (ft/ft)	0.018021	Area (sq ft)		10.34	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	27.90	Top Width (ft)		27.90	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3997 Profile: Q010 (Continued)

Vel Total (ft/s)	1.74	Avg. Vel. (ft/s)		1.74	
Max Chl Dpth (ft)	0.45	Hydr. Depth (ft)		0.37	
Conv. Total (cfs)	134.1	Conv. (cfs)		134.1	
Length Wtd. (ft)	19.49	Wetted Per. (ft)		27.97	
Min Ch El (ft)	7085.90	Shear (lb/sq ft)		0.42	
Alpha	1.00	Stream Power (lb/ft s)		0.72	
Frctn Loss (ft)	0.37	Cum Volume (acre-ft)		1.14	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.28	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3977.50* Profile: Q010

E.G. Elev (ft)	7086.02	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.059	
W.S. Elev (ft)	7085.97	Reach Len. (ft)	20.81	19.49	18.35
Crit W.S. (ft)		Flow Area (sq ft)		9.92	
E.G. Slope (ft/ft)	0.020283	Area (sq ft)		9.92	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	27.51	Top Width (ft)		27.51	
Vel Total (ft/s)	1.81	Avg. Vel. (ft/s)		1.81	
Max Chl Dpth (ft)	0.45	Hydr. Depth (ft)		0.36	
Conv. Total (cfs)	126.4	Conv. (cfs)		126.4	
Length Wtd. (ft)	19.49	Wetted Per. (ft)		27.58	
Min Ch El (ft)	7085.52	Shear (lb/sq ft)		0.46	
Alpha	1.00	Stream Power (lb/ft s)		0.83	
Frctn Loss (ft)	0.37	Cum Volume (acre-ft)		1.13	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.27	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3958.00* Profile: Q010

E.G. Elev (ft)	7085.65	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.059	
W.S. Elev (ft)	7085.61	Reach Len. (ft)	20.81	19.49	18.35
Crit W.S. (ft)		Flow Area (sq ft)		10.32	
E.G. Slope (ft/ft)	0.017473	Area (sq ft)		10.32	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	27.14	Top Width (ft)		27.14	
Vel Total (ft/s)	1.74	Avg. Vel. (ft/s)		1.74	
Max Chl Dpth (ft)	0.48	Hydr. Depth (ft)		0.38	
Conv. Total (cfs)	136.2	Conv. (cfs)		136.2	
Length Wtd. (ft)	19.49	Wetted Per. (ft)		27.20	
Min Ch El (ft)	7085.13	Shear (lb/sq ft)		0.41	
Alpha	1.00	Stream Power (lb/ft s)		0.72	
Frctn Loss (ft)	0.40	Cum Volume (acre-ft)		1.13	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.26	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3938.50* Profile: Q010

E.G. Elev (ft)	7085.25	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.06	Wt. n-Val.		0.059	
W.S. Elev (ft)	7085.19	Reach Len. (ft)	20.81	19.49	18.35
Crit W.S. (ft)	7085.08	Flow Area (sq ft)		9.23	
E.G. Slope (ft/ft)	0.024211	Area (sq ft)		9.23	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	26.23	Top Width (ft)		26.23	
Vel Total (ft/s)	1.95	Avg. Vel. (ft/s)		1.95	
Max Chl Dpth (ft)	0.44	Hydr. Depth (ft)		0.35	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3938.50* Profile: Q010 (Continued)

Conv. Total (cfs)	115.7	Conv. (cfs)		115.7	
Length Wtd. (ft)	19.49	Wetted Per. (ft)		26.29	
Min Ch El (ft)	7084.75	Shear (lb/sq ft)		0.53	
Alpha	1.00	Stream Power (lb/ft s)		1.04	
Frctn Loss (ft)	0.41	Cum Volume (acre-ft)		1.12	0.01
C & E Loss (ft)	0.01	Cum SA (acres)		3.25	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3919.00* Profile: Q010

E.G. Elev (ft)	7084.82	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.		0.030	
W.S. Elev (ft)	7084.70	Reach Len. (ft)	20.81	19.49	18.35
Crit W.S. (ft)	7084.70	Flow Area (sq ft)		6.51	
E.G. Slope (ft/ft)	0.018634	Area (sq ft)		6.51	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	24.89	Top Width (ft)		24.89	
Vel Total (ft/s)	2.76	Avg. Vel. (ft/s)		2.76	
Max Chl Dpth (ft)	0.33	Hydr. Depth (ft)		0.26	
Conv. Total (cfs)	131.9	Conv. (cfs)		131.9	
Length Wtd. (ft)	19.49	Wetted Per. (ft)		24.93	
Min Ch El (ft)	7084.37	Shear (lb/sq ft)		0.30	
Alpha	1.00	Stream Power (lb/ft s)		0.84	
Frctn Loss (ft)	0.40	Cum Volume (acre-ft)		1.12	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.24	0.03

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning:	During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3899.50* Profile: Q010

E.G. Elev (ft)	7084.43	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.13	Wt. n-Val.		0.030	
W.S. Elev (ft)	7084.30	Reach Len. (ft)	20.81	19.49	18.35
Crit W.S. (ft)	7084.30	Flow Area (sq ft)		6.15	
E.G. Slope (ft/ft)	0.022290	Area (sq ft)		6.15	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	24.61	Top Width (ft)		24.61	
Vel Total (ft/s)	2.93	Avg. Vel. (ft/s)		2.93	
Max Chl Dpth (ft)	0.31	Hydr. Depth (ft)		0.25	
Conv. Total (cfs)	120.6	Conv. (cfs)		120.6	
Length Wtd. (ft)	19.49	Wetted Per. (ft)		24.66	
Min Ch El (ft)	7083.98	Shear (lb/sq ft)		0.35	
Alpha	1.00	Stream Power (lb/ft s)		1.02	
Frctn Loss (ft)	0.31	Cum Volume (acre-ft)		1.12	0.01
C & E Loss (ft)	0.01	Cum SA (acres)		3.22	0.03

Errors Warnings and Notes

Note:	Program found supercritical flow starting at this cross section.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3880 Profile: Q010

E.G. Elev (ft)	7084.05	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.09	Wt. n-Val.		0.030	
W.S. Elev (ft)	7083.96	Reach Len. (ft)	35.00	36.00	36.60
Crit W.S. (ft)	7083.92	Flow Area (sq ft)		7.29	
E.G. Slope (ft/ft)	0.012951	Area (sq ft)		7.29	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	25.04	Top Width (ft)		25.04	
Vel Total (ft/s)	2.47	Avg. Vel. (ft/s)		2.47	
Max Chl Dpth (ft)	0.36	Hydr. Depth (ft)		0.29	
Conv. Total (cfs)	158.2	Conv. (cfs)		158.2	
Length Wtd. (ft)	36.00	Wetted Per. (ft)		25.11	
Min Ch El (ft)	7083.60	Shear (lb/sq ft)		0.23	
Alpha	1.00	Stream Power (lb/ft s)		0.58	
Frctn Loss (ft)	0.55	Cum Volume (acre-ft)		1.11	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.21	0.03

Errors Warnings and Notes

Note:	Hydraulic jump has occurred between this cross section and the previous upstream section.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3844.00* Profile: Q010

E.G. Elev (ft)	7083.51	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.		0.030	
W.S. Elev (ft)	7083.39	Reach Len. (ft)	35.00	36.00	36.60
Crit W.S. (ft)	7083.38	Flow Area (sq ft)		6.56	
E.G. Slope (ft/ft)	0.017953	Area (sq ft)		6.56	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	24.63	Top Width (ft)		24.63	
Vel Total (ft/s)	2.74	Avg. Vel. (ft/s)		2.74	
Max Chl Dpth (ft)	0.33	Hydr. Depth (ft)		0.27	
Conv. Total (cfs)	134.3	Conv. (cfs)		134.3	
Length Wtd. (ft)	36.00	Wetted Per. (ft)		24.67	
Min Ch El (ft)	7083.06	Shear (lb/sq ft)		0.30	
Alpha	1.00	Stream Power (lb/ft s)		0.82	
Frctn Loss (ft)	0.51	Cum Volume (acre-ft)		1.11	0.01
C & E Loss (ft)	0.01	Cum SA (acres)		3.19	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3808.00* Profile: Q010

E.G. Elev (ft)	7082.99	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.09	Wt. n-Val.		0.030	
W.S. Elev (ft)	7082.90	Reach Len. (ft)	35.00	36.00	36.60
Crit W.S. (ft)	7082.85	Flow Area (sq ft)		7.59	
E.G. Slope (ft/ft)	0.011400	Area (sq ft)		7.59	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	25.22	Top Width (ft)		25.22	
Vel Total (ft/s)	2.37	Avg. Vel. (ft/s)		2.37	
Max Chl Dpth (ft)	0.38	Hydr. Depth (ft)		0.30	
Conv. Total (cfs)	168.6	Conv. (cfs)		168.6	
Length Wtd. (ft)	36.00	Wetted Per. (ft)		25.26	
Min Ch El (ft)	7082.52	Shear (lb/sq ft)		0.21	
Alpha	1.00	Stream Power (lb/ft s)		0.51	
Frctn Loss (ft)	0.54	Cum Volume (acre-ft)		1.10	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.17	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3772.00* Profile: Q010

E.G. Elev (ft)	7082.44	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.13	Wt. n-Val.		0.030	
W.S. Elev (ft)	7082.31	Reach Len. (ft)	35.00	36.00	36.60
Crit W.S. (ft)	7082.31	Flow Area (sq ft)		6.31	
E.G. Slope (ft/ft)	0.020983	Area (sq ft)		6.31	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	25.19	Top Width (ft)		25.19	
Vel Total (ft/s)	2.85	Avg. Vel. (ft/s)		2.85	
Max Chl Dpth (ft)	0.33	Hydr. Depth (ft)		0.25	
Conv. Total (cfs)	124.3	Conv. (cfs)		124.3	
Length Wtd. (ft)	36.00	Wetted Per. (ft)		25.22	
Min Ch El (ft)	7081.98	Shear (lb/sq ft)		0.33	
Alpha	1.00	Stream Power (lb/ft s)		0.93	
Frctn Loss (ft)	0.18	Cum Volume (acre-ft)		1.10	0.01
C & E Loss (ft)	0.03	Cum SA (acres)		3.15	0.03

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Warning:	During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3736.00* Profile: Q010

E.G. Elev (ft)	7082.03	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.030	
W.S. Elev (ft)	7082.00	Reach Len. (ft)	35.00	36.00	36.60
Crit W.S. (ft)	7081.77	Flow Area (sq ft)		12.88	
E.G. Slope (ft/ft)	0.002254	Area (sq ft)		12.88	
Q Total (cfs)	18.00	Flow (cfs)		18.00	
Top Width (ft)	28.03	Top Width (ft)		28.03	
Vel Total (ft/s)	1.40	Avg. Vel. (ft/s)		1.40	
Max Chl Dpth (ft)	0.56	Hydr. Depth (ft)		0.46	
Conv. Total (cfs)	379.1	Conv. (cfs)		379.1	
Length Wtd. (ft)	36.00	Wetted Per. (ft)		28.13	
Min Ch El (ft)	7081.44	Shear (lb/sq ft)		0.06	
Alpha	1.00	Stream Power (lb/ft s)		0.09	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)		1.09	0.01
C & E Loss (ft)	0.01	Cum SA (acres)		3.13	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3700 Profile: Q010

E.G. Elev (ft)	7081.75	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.09	Wt. n-Val.		0.059	
W.S. Elev (ft)	7081.66	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		19.22	
E.G. Slope (ft/ft)	0.016997	Area (sq ft)		19.22	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	29.73	Top Width (ft)		29.73	
Vel Total (ft/s)	2.45	Avg. Vel. (ft/s)		2.45	
Max Chl Dpth (ft)	0.76	Hydr. Depth (ft)		0.65	
Conv. Total (cfs)	360.5	Conv. (cfs)		360.5	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3700 Profile: Q010 (Continued)

Length Wtd. (ft)	25.00	Wetted Per. (ft)		29.91	
Min Ch El (ft)	7080.90	Shear (lb/sq ft)		0.68	
Alpha	1.00	Stream Power (lb/ft s)		1.67	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		1.08	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.11	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3675.00* Profile: Q010

E.G. Elev (ft)	7081.32	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.09	Wt. n-Val.		0.059	
W.S. Elev (ft)	7081.23	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		19.37	
E.G. Slope (ft/ft)	0.017183	Area (sq ft)		19.37	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	30.59	Top Width (ft)		30.59	
Vel Total (ft/s)	2.43	Avg. Vel. (ft/s)		2.43	
Max Chl Dpth (ft)	0.75	Hydr. Depth (ft)		0.63	
Conv. Total (cfs)	358.5	Conv. (cfs)		358.5	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		30.76	
Min Ch El (ft)	7080.48	Shear (lb/sq ft)		0.68	
Alpha	1.00	Stream Power (lb/ft s)		1.64	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		1.06	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.09	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3650.00* Profile: Q010

E.G. Elev (ft)	7080.88	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.09	Wt. n-Val.		0.059	
W.S. Elev (ft)	7080.79	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		19.43	
E.G. Slope (ft/ft)	0.017603	Area (sq ft)		19.43	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	31.39	Top Width (ft)		31.39	
Vel Total (ft/s)	2.42	Avg. Vel. (ft/s)		2.42	
Max Chl Dpth (ft)	0.74	Hydr. Depth (ft)		0.62	
Conv. Total (cfs)	354.2	Conv. (cfs)		354.2	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		31.55	
Min Ch El (ft)	7080.05	Shear (lb/sq ft)		0.68	
Alpha	1.00	Stream Power (lb/ft s)		1.64	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		1.05	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.07	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3625.00* Profile: Q010

E.G. Elev (ft)	7080.45	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.09	Wt. n-Val.		0.059	
W.S. Elev (ft)	7080.36	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		19.80	
E.G. Slope (ft/ft)	0.017128	Area (sq ft)		19.80	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	32.27	Top Width (ft)		32.27	
Vel Total (ft/s)	2.37	Avg. Vel. (ft/s)		2.37	
Max Chl Dpth (ft)	0.74	Hydr. Depth (ft)		0.61	
Conv. Total (cfs)	359.1	Conv. (cfs)		359.1	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		32.41	
Min Ch El (ft)	7079.62	Shear (lb/sq ft)		0.65	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3625.00* Profile: Q010 (Continued)

Alpha	1.00	Stream Power (lb/ft s)		1.55	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		1.04	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.05	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3600.00* Profile: Q010

E.G. Elev (ft)	7080.02	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.09	Wt. n-Val.		0.059	
W.S. Elev (ft)	7079.93	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		19.88	
E.G. Slope (ft/ft)	0.017485	Area (sq ft)		19.88	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	33.11	Top Width (ft)		33.11	
Vel Total (ft/s)	2.36	Avg. Vel. (ft/s)		2.36	
Max Chl Dpth (ft)	0.73	Hydr. Depth (ft)		0.60	
Conv. Total (cfs)	355.4	Conv. (cfs)		355.4	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		33.24	
Min Ch El (ft)	7079.20	Shear (lb/sq ft)		0.65	
Alpha	1.00	Stream Power (lb/ft s)		1.54	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		1.03	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.03	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3575.00* Profile: Q010

E.G. Elev (ft)	7079.59	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.		0.059	
W.S. Elev (ft)	7079.50	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		20.21	
E.G. Slope (ft/ft)	0.017097	Area (sq ft)		20.21	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	33.93	Top Width (ft)		33.93	
Vel Total (ft/s)	2.33	Avg. Vel. (ft/s)		2.33	
Max Chl Dpth (ft)	0.73	Hydr. Depth (ft)		0.60	
Conv. Total (cfs)	359.5	Conv. (cfs)		359.5	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		34.06	
Min Ch El (ft)	7078.77	Shear (lb/sq ft)		0.63	
Alpha	1.00	Stream Power (lb/ft s)		1.47	
Frctn Loss (ft)	0.40	Cum Volume (acre-ft)		1.02	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		3.01	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3550.00* Profile: Q010

E.G. Elev (ft)	7079.17	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.		0.059	
W.S. Elev (ft)	7079.09	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		21.14	
E.G. Slope (ft/ft)	0.015317	Area (sq ft)		21.14	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	34.95	Top Width (ft)		34.95	
Vel Total (ft/s)	2.22	Avg. Vel. (ft/s)		2.22	
Max Chl Dpth (ft)	0.74	Hydr. Depth (ft)		0.60	
Conv. Total (cfs)	379.8	Conv. (cfs)		379.8	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		35.08	
Min Ch El (ft)	7078.35	Shear (lb/sq ft)		0.58	
Alpha	1.00	Stream Power (lb/ft s)		1.28	
Frctn Loss (ft)	0.50	Cum Volume (acre-ft)		1.01	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3550.00* Profile: Q010 (Continued)

C & E Loss (ft)	0.00	Cum SA (acres)		2.99	0.03
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3525.00* Profile: Q010

E.G. Elev (ft)	7078.67	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.11	Wt. n-Val.		0.059	
W.S. Elev (ft)	7078.56	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		17.74	
E.G. Slope (ft/ft)	0.027425	Area (sq ft)		17.74	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	34.93	Top Width (ft)		34.93	
Vel Total (ft/s)	2.65	Avg. Vel. (ft/s)		2.65	
Max Chl Dpth (ft)	0.64	Hydr. Depth (ft)		0.51	
Conv. Total (cfs)	283.8	Conv. (cfs)		283.8	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		35.03	
Min Ch EI (ft)	7077.92	Shear (lb/sq ft)		0.87	
Alpha	1.00	Stream Power (lb/ft s)		2.30	
Frctn Loss (ft)	0.46	Cum Volume (acre-ft)		1.00	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.97	0.03

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3500 Profile: Q010

E.G. Elev (ft)	7078.20	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.16	Wt. n-Val.		0.030	
W.S. Elev (ft)	7078.04	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		14.69	
E.G. Slope (ft/ft)	0.013336	Area (sq ft)		14.69	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	35.04	Top Width (ft)		35.04	
Vel Total (ft/s)	3.20	Avg. Vel. (ft/s)		3.20	
Max Chl Dpth (ft)	0.54	Hydr. Depth (ft)		0.42	
Conv. Total (cfs)	407.0	Conv. (cfs)		407.0	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		35.13	
Min Ch EI (ft)	7077.50	Shear (lb/sq ft)		0.35	
Alpha	1.00	Stream Power (lb/ft s)		1.11	
Frctn Loss (ft)	0.26	Cum Volume (acre-ft)		0.99	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.95	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3480.77* Profile: Q010

E.G. Elev (ft)	7077.94	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.16	Wt. n-Val.		0.030	
W.S. Elev (ft)	7077.77	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)	7077.74	Flow Area (sq ft)		14.51	
E.G. Slope (ft/ft)	0.014000	Area (sq ft)		14.51	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	35.23	Top Width (ft)		35.23	
Vel Total (ft/s)	3.24	Avg. Vel. (ft/s)		3.24	
Max Chl Dpth (ft)	0.53	Hydr. Depth (ft)		0.41	
Conv. Total (cfs)	397.2	Conv. (cfs)		397.2	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		35.30	
Min Ch EI (ft)	7077.24	Shear (lb/sq ft)		0.36	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3480.77* Profile: Q010 (Continued)

Alpha	1.00	Stream Power (lb/ft s)		1.16	
Frctn Loss (ft)	0.26	Cum Volume (acre-ft)		0.98	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.94	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3461.54* Profile: Q010

E.G. Elev (ft)	7077.67	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.16	Wt. n-Val.		0.030	
W.S. Elev (ft)	7077.51	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		14.76	
E.G. Slope (ft/ft)	0.013394	Area (sq ft)		14.76	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	35.57	Top Width (ft)		35.57	
Vel Total (ft/s)	3.18	Avg. Vel. (ft/s)		3.18	
Max Chl Dpth (ft)	0.53	Hydr. Depth (ft)		0.41	
Conv. Total (cfs)	406.1	Conv. (cfs)		406.1	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		35.64	
Min Ch El (ft)	7076.98	Shear (lb/sq ft)		0.35	
Alpha	1.00	Stream Power (lb/ft s)		1.10	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		0.97	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.92	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3442.31* Profile: Q010

E.G. Elev (ft)	7077.40	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.16	Wt. n-Val.		0.030	
W.S. Elev (ft)	7077.24	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)	7077.21	Flow Area (sq ft)		14.45	
E.G. Slope (ft/ft)	0.014475	Area (sq ft)		14.45	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	35.78	Top Width (ft)		35.78	
Vel Total (ft/s)	3.25	Avg. Vel. (ft/s)		3.25	
Max Chl Dpth (ft)	0.52	Hydr. Depth (ft)		0.40	
Conv. Total (cfs)	390.7	Conv. (cfs)		390.7	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		35.84	
Min Ch El (ft)	7076.72	Shear (lb/sq ft)		0.36	
Alpha	1.00	Stream Power (lb/ft s)		1.19	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		0.97	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.91	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3423.08* Profile: Q010

E.G. Elev (ft)	7077.13	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.16	Wt. n-Val.		0.030	
W.S. Elev (ft)	7076.98	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)	7076.94	Flow Area (sq ft)		14.75	
E.G. Slope (ft/ft)	0.013704	Area (sq ft)		14.75	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	36.18	Top Width (ft)		36.18	
Vel Total (ft/s)	3.19	Avg. Vel. (ft/s)		3.19	
Max Chl Dpth (ft)	0.52	Hydr. Depth (ft)		0.41	
Conv. Total (cfs)	401.5	Conv. (cfs)		401.5	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		36.24	
Min Ch El (ft)	7076.45	Shear (lb/sq ft)		0.35	
Alpha	1.00	Stream Power (lb/ft s)		1.11	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		0.96	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3423.08* Profile: Q010 (Continued)

C & E Loss (ft)	0.00	Cum SA (acres)		2.89	0.03
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3403.85* Profile: Q010

E.G. Elev (ft)	7076.87	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.16	Wt. n-Val.		0.030	
W.S. Elev (ft)	7076.71	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)	7076.68	Flow Area (sq ft)		14.75	
E.G. Slope (ft/ft)	0.013969	Area (sq ft)		14.75	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	36.67	Top Width (ft)		36.67	
Vel Total (ft/s)	3.19	Avg. Vel. (ft/s)		3.19	
Max Chl Dpth (ft)	0.52	Hydr. Depth (ft)		0.40	
Conv. Total (cfs)	397.7	Conv. (cfs)		397.7	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		36.72	
Min Ch El (ft)	7076.19	Shear (lb/sq ft)		0.35	
Alpha	1.00	Stream Power (lb/ft s)		1.12	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		0.96	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.88	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3384.62* Profile: Q010

E.G. Elev (ft)	7076.60	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.16	Wt. n-Val.		0.030	
W.S. Elev (ft)	7076.44	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)	7076.41	Flow Area (sq ft)		14.84	
E.G. Slope (ft/ft)	0.013986	Area (sq ft)		14.84	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	37.26	Top Width (ft)		37.26	
Vel Total (ft/s)	3.17	Avg. Vel. (ft/s)		3.17	
Max Chl Dpth (ft)	0.51	Hydr. Depth (ft)		0.40	
Conv. Total (cfs)	397.4	Conv. (cfs)		397.4	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		37.31	
Min Ch El (ft)	7075.93	Shear (lb/sq ft)		0.35	
Alpha	1.00	Stream Power (lb/ft s)		1.10	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		0.95	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.86	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3365.39* Profile: Q010

E.G. Elev (ft)	7076.33	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.15	Wt. n-Val.		0.030	
W.S. Elev (ft)	7076.18	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)	7076.15	Flow Area (sq ft)		14.95	
E.G. Slope (ft/ft)	0.014013	Area (sq ft)		14.95	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	38.06	Top Width (ft)		38.06	
Vel Total (ft/s)	3.14	Avg. Vel. (ft/s)		3.14	
Max Chl Dpth (ft)	0.51	Hydr. Depth (ft)		0.39	
Conv. Total (cfs)	397.0	Conv. (cfs)		397.0	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		38.10	
Min Ch El (ft)	7075.67	Shear (lb/sq ft)		0.34	
Alpha	1.00	Stream Power (lb/ft s)		1.08	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		0.94	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.84	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3346.15* Profile: Q010

E.G. Elev (ft)	7076.06	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.15	Wt. n-Val.		0.030	
W.S. Elev (ft)	7075.91	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)	7075.88	Flow Area (sq ft)		15.19	
E.G. Slope (ft/ft)	0.013834	Area (sq ft)		15.19	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	39.23	Top Width (ft)		39.23	
Vel Total (ft/s)	3.09	Avg. Vel. (ft/s)		3.09	
Max Chl Dpth (ft)	0.50	Hydr. Depth (ft)		0.39	
Conv. Total (cfs)	399.6	Conv. (cfs)		399.6	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		39.27	
Min Ch El (ft)	7075.41	Shear (lb/sq ft)		0.33	
Alpha	1.00	Stream Power (lb/ft s)		1.03	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		0.94	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.83	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3326.92* Profile: Q010

E.G. Elev (ft)	7075.79	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.15	Wt. n-Val.		0.030	
W.S. Elev (ft)	7075.64	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)	7075.61	Flow Area (sq ft)		15.13	
E.G. Slope (ft/ft)	0.014690	Area (sq ft)		15.13	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	40.64	Top Width (ft)		40.64	
Vel Total (ft/s)	3.11	Avg. Vel. (ft/s)		3.11	
Max Chl Dpth (ft)	0.49	Hydr. Depth (ft)		0.37	
Conv. Total (cfs)	387.8	Conv. (cfs)		387.8	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		40.68	
Min Ch El (ft)	7075.15	Shear (lb/sq ft)		0.34	
Alpha	1.00	Stream Power (lb/ft s)		1.06	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)		0.93	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.81	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3307.69* Profile: Q010

E.G. Elev (ft)	7075.51	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.14	Wt. n-Val.		0.030	
W.S. Elev (ft)	7075.37	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)	7075.34	Flow Area (sq ft)		15.51	
E.G. Slope (ft/ft)	0.013983	Area (sq ft)		15.51	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	41.66	Top Width (ft)		41.66	
Vel Total (ft/s)	3.03	Avg. Vel. (ft/s)		3.03	
Max Chl Dpth (ft)	0.49	Hydr. Depth (ft)		0.37	
Conv. Total (cfs)	397.5	Conv. (cfs)		397.5	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		41.70	
Min Ch El (ft)	7074.88	Shear (lb/sq ft)		0.32	
Alpha	1.00	Stream Power (lb/ft s)		0.98	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)		0.92	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.79	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3288.46* Profile: Q010

E.G. Elev (ft)	7075.23	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.15	Wt. n-Val.		0.030	
W.S. Elev (ft)	7075.08	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)	7075.06	Flow Area (sq ft)		15.13	
E.G. Slope (ft/ft)	0.015321	Area (sq ft)		15.13	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	41.92	Top Width (ft)		41.92	
Vel Total (ft/s)	3.11	Avg. Vel. (ft/s)		3.11	
Max Chl Dpth (ft)	0.46	Hydr. Depth (ft)		0.36	
Conv. Total (cfs)	379.7	Conv. (cfs)		379.7	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		41.97	
Min Ch El (ft)	7074.62	Shear (lb/sq ft)		0.34	
Alpha	1.00	Stream Power (lb/ft s)		1.07	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		0.92	0.01
C & E Loss (ft)	0.01	Cum SA (acres)		2.77	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3269.23* Profile: Q010

E.G. Elev (ft)	7074.96	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.13	Wt. n-Val.		0.030	
W.S. Elev (ft)	7074.83	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		16.15	
E.G. Slope (ft/ft)	0.012581	Area (sq ft)		16.15	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	42.54	Top Width (ft)		42.54	
Vel Total (ft/s)	2.91	Avg. Vel. (ft/s)		2.91	
Max Chl Dpth (ft)	0.46	Hydr. Depth (ft)		0.38	
Conv. Total (cfs)	419.0	Conv. (cfs)		419.0	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		42.61	
Min Ch El (ft)	7074.36	Shear (lb/sq ft)		0.30	
Alpha	1.00	Stream Power (lb/ft s)		0.87	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)		0.91	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.75	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3250 Profile: Q010

E.G. Elev (ft)	7074.67	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.16	Wt. n-Val.		0.030	
W.S. Elev (ft)	7074.51	Reach Len. (ft)	15.00	15.00	15.00
Crit W.S. (ft)	7074.50	Flow Area (sq ft)		14.59	
E.G. Slope (ft/ft)	0.017708	Area (sq ft)		14.59	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	42.64	Top Width (ft)		42.64	
Vel Total (ft/s)	3.22	Avg. Vel. (ft/s)		3.22	
Max Chl Dpth (ft)	0.40	Hydr. Depth (ft)		0.34	
Conv. Total (cfs)	353.2	Conv. (cfs)		353.2	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		42.71	
Min Ch El (ft)	7074.10	Shear (lb/sq ft)		0.38	
Alpha	1.00	Stream Power (lb/ft s)		1.22	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		0.90	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.73	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3235.00* Profile: Q010

E.G. Elev (ft)	7074.39	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.17	Wt. n-Val.		0.030	
W.S. Elev (ft)	7074.23	Reach Len. (ft)	15.00	15.00	15.00
Crit W.S. (ft)	7074.22	Flow Area (sq ft)		14.28	
E.G. Slope (ft/ft)	0.018632	Area (sq ft)		14.28	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	41.99	Top Width (ft)		41.99	
Vel Total (ft/s)	3.29	Avg. Vel. (ft/s)		3.29	
Max Chl Dpth (ft)	0.40	Hydr. Depth (ft)		0.34	
Conv. Total (cfs)	344.3	Conv. (cfs)		344.3	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		42.06	
Min Ch El (ft)	7073.82	Shear (lb/sq ft)		0.39	
Alpha	1.00	Stream Power (lb/ft s)		1.30	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		0.90	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.72	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3220.00* Profile: Q010

E.G. Elev (ft)	7074.12	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.16	Wt. n-Val.		0.030	
W.S. Elev (ft)	7073.96	Reach Len. (ft)	15.00	15.00	15.00
Crit W.S. (ft)	7073.95	Flow Area (sq ft)		14.43	
E.G. Slope (ft/ft)	0.017669	Area (sq ft)		14.43	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	41.41	Top Width (ft)		41.41	
Vel Total (ft/s)	3.26	Avg. Vel. (ft/s)		3.26	
Max Chl Dpth (ft)	0.42	Hydr. Depth (ft)		0.35	
Conv. Total (cfs)	353.6	Conv. (cfs)		353.6	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		41.47	
Min Ch El (ft)	7073.54	Shear (lb/sq ft)		0.38	
Alpha	1.00	Stream Power (lb/ft s)		1.25	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		0.89	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.71	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3205.00* Profile: Q010

E.G. Elev (ft)	7073.85	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.17	Wt. n-Val.		0.030	
W.S. Elev (ft)	7073.67	Reach Len. (ft)	15.00	15.00	15.00
Crit W.S. (ft)	7073.67	Flow Area (sq ft)		14.10	
E.G. Slope (ft/ft)	0.018659	Area (sq ft)		14.10	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	40.73	Top Width (ft)		40.73	
Vel Total (ft/s)	3.33	Avg. Vel. (ft/s)		3.33	
Max Chl Dpth (ft)	0.41	Hydr. Depth (ft)		0.35	
Conv. Total (cfs)	344.1	Conv. (cfs)		344.1	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		40.78	
Min Ch El (ft)	7073.26	Shear (lb/sq ft)		0.40	
Alpha	1.00	Stream Power (lb/ft s)		1.34	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		0.89	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.69	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3190.00* Profile: Q010

E.G. Elev (ft)	7073.57	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.17	Wt. n-Val.		0.030	
W.S. Elev (ft)	7073.41	Reach Len. (ft)	15.00	15.00	15.00
Crit W.S. (ft)	7073.40	Flow Area (sq ft)		14.23	
E.G. Slope (ft/ft)	0.017751	Area (sq ft)		14.23	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	40.15	Top Width (ft)		40.15	
Vel Total (ft/s)	3.30	Avg. Vel. (ft/s)		3.30	
Max Chl Dpth (ft)	0.42	Hydr. Depth (ft)		0.35	
Conv. Total (cfs)	352.8	Conv. (cfs)		352.8	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		40.20	
Min Ch El (ft)	7072.98	Shear (lb/sq ft)		0.39	
Alpha	1.00	Stream Power (lb/ft s)		1.30	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		0.88	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.68	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3175.00* Profile: Q010

E.G. Elev (ft)	7073.30	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.18	Wt. n-Val.		0.030	
W.S. Elev (ft)	7073.13	Reach Len. (ft)	15.00	15.00	15.00
Crit W.S. (ft)	7073.13	Flow Area (sq ft)		13.94	
E.G. Slope (ft/ft)	0.018552	Area (sq ft)		13.94	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	39.42	Top Width (ft)		39.42	
Vel Total (ft/s)	3.37	Avg. Vel. (ft/s)		3.37	
Max Chl Dpth (ft)	0.42	Hydr. Depth (ft)		0.35	
Conv. Total (cfs)	345.1	Conv. (cfs)		345.1	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		39.48	
Min Ch El (ft)	7072.70	Shear (lb/sq ft)		0.41	
Alpha	1.00	Stream Power (lb/ft s)		1.38	
Frctn Loss (ft)	0.29	Cum Volume (acre-ft)		0.88	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.66	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3160.00* Profile: Q010

E.G. Elev (ft)	7073.03	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.20	Wt. n-Val.		0.030	
W.S. Elev (ft)	7072.83	Reach Len. (ft)	15.00	15.00	15.00
Crit W.S. (ft)	7072.85	Flow Area (sq ft)		12.99	
E.G. Slope (ft/ft)	0.022826	Area (sq ft)		12.99	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	38.56	Top Width (ft)		38.56	
Vel Total (ft/s)	3.62	Avg. Vel. (ft/s)		3.62	
Max Chl Dpth (ft)	0.41	Hydr. Depth (ft)		0.34	
Conv. Total (cfs)	311.1	Conv. (cfs)		311.1	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		38.60	
Min Ch El (ft)	7072.42	Shear (lb/sq ft)		0.48	
Alpha	1.00	Stream Power (lb/ft s)		1.74	
Frctn Loss (ft)	0.31	Cum Volume (acre-ft)		0.87	0.01
C & E Loss (ft)	0.01	Cum SA (acres)		2.65	0.03

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program selected the water surface that had the least amount of error between computed and assumed values.
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Errors Warnings and Notes (Continued)

Note:	Program found supercritical flow starting at this cross section.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3145.00* Profile: Q010

E.G. Elev (ft)	7072.77	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.23	Wt. n-Val.		0.030	
W.S. Elev (ft)	7072.54	Reach Len. (ft)	15.00	15.00	15.00
Crit W.S. (ft)	7072.58	Flow Area (sq ft)		12.19	
E.G. Slope (ft/ft)	0.027326	Area (sq ft)		12.19	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	37.71	Top Width (ft)		37.71	
Vel Total (ft/s)	3.85	Avg. Vel. (ft/s)		3.85	
Max Chl Dpth (ft)	0.39	Hydr. Depth (ft)		0.32	
Conv. Total (cfs)	284.3	Conv. (cfs)		284.3	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		37.75	
Min Ch El (ft)	7072.14	Shear (lb/sq ft)		0.55	
Alpha	1.00	Stream Power (lb/ft s)		2.12	
Frctn Loss (ft)	0.34	Cum Volume (acre-ft)		0.87	0.01
C & E Loss (ft)	0.01	Cum SA (acres)		2.64	0.03

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program selected the water surface that had the least amount of error between computed and assumed values.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3130.00* Profile: Q010

E.G. Elev (ft)	7072.51	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.27	Wt. n-Val.		0.030	
W.S. Elev (ft)	7072.23	Reach Len. (ft)	15.00	15.00	15.00
Crit W.S. (ft)	7072.30	Flow Area (sq ft)		11.20	
E.G. Slope (ft/ft)	0.034808	Area (sq ft)		11.20	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	36.57	Top Width (ft)		36.57	
Vel Total (ft/s)	4.20	Avg. Vel. (ft/s)		4.20	
Max Chl Dpth (ft)	0.37	Hydr. Depth (ft)		0.31	
Conv. Total (cfs)	251.9	Conv. (cfs)		251.9	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		36.62	
Min Ch El (ft)	7071.86	Shear (lb/sq ft)		0.66	
Alpha	1.00	Stream Power (lb/ft s)		2.79	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		0.86	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.62	0.03

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program selected the water surface that had the least amount of error between computed and assumed values.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3115.00* Profile: Q010

E.G. Elev (ft)	7072.21	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.19	Wt. n-Val.		0.030	
W.S. Elev (ft)	7072.02	Reach Len. (ft)	15.00	15.00	15.00
Crit W.S. (ft)	7072.02	Flow Area (sq ft)		13.57	
E.G. Slope (ft/ft)	0.018409	Area (sq ft)		13.57	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	36.63	Top Width (ft)		36.63	
Vel Total (ft/s)	3.46	Avg. Vel. (ft/s)		3.46	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3115.00* Profile: Q010 (Continued)

Max Chl Dpth (ft)	0.44	Hydr. Depth (ft)		0.37	
Conv. Total (cfs)	346.4	Conv. (cfs)		346.4	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		36.69	
Min Ch El (ft)	7071.58	Shear (lb/sq ft)		0.43	
Alpha	1.00	Stream Power (lb/ft s)		1.47	
Frctn Loss (ft)	0.24	Cum Volume (acre-ft)		0.86	0.01
C & E Loss (ft)	0.01	Cum SA (acres)		2.61	0.03

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning:	During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3100 Profile: Q010

E.G. Elev (ft)	7071.94	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.16	Wt. n-Val.		0.030	
W.S. Elev (ft)	7071.78	Reach Len. (ft)	18.66	14.84	8.66
Crit W.S. (ft)	7071.75	Flow Area (sq ft)		14.75	
E.G. Slope (ft/ft)	0.013758	Area (sq ft)		14.75	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	36.25	Top Width (ft)		36.25	
Vel Total (ft/s)	3.19	Avg. Vel. (ft/s)		3.19	
Max Chl Dpth (ft)	0.48	Hydr. Depth (ft)		0.41	
Conv. Total (cfs)	400.7	Conv. (cfs)		400.7	
Length Wtd. (ft)	14.84	Wetted Per. (ft)		36.33	
Min Ch El (ft)	7071.30	Shear (lb/sq ft)		0.35	
Alpha	1.00	Stream Power (lb/ft s)		1.11	
Frctn Loss (ft)	0.21	Cum Volume (acre-ft)		0.85	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.60	0.03

Errors Warnings and Notes

Note:	Hydraulic jump has occurred between this cross section and the previous upstream section.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3085.17* Profile: Q010

E.G. Elev (ft)	7071.73	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.16	Wt. n-Val.		0.030	
W.S. Elev (ft)	7071.58	Reach Len. (ft)	18.66	14.84	8.66
Crit W.S. (ft)	7071.54	Flow Area (sq ft)		14.75	
E.G. Slope (ft/ft)	0.014104	Area (sq ft)		14.75	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	36.92	Top Width (ft)		36.92	
Vel Total (ft/s)	3.19	Avg. Vel. (ft/s)		3.19	
Max Chl Dpth (ft)	0.49	Hydr. Depth (ft)		0.40	
Conv. Total (cfs)	395.7	Conv. (cfs)		395.7	
Length Wtd. (ft)	14.84	Wetted Per. (ft)		36.98	
Min Ch El (ft)	7071.08	Shear (lb/sq ft)		0.35	
Alpha	1.00	Stream Power (lb/ft s)		1.12	
Frctn Loss (ft)	0.21	Cum Volume (acre-ft)		0.85	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.59	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3070.33* Profile: Q010

E.G. Elev (ft)	7071.52	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.16	Wt. n-Val.		0.030	
W.S. Elev (ft)	7071.37	Reach Len. (ft)	18.66	14.84	8.66
Crit W.S. (ft)	7071.34	Flow Area (sq ft)		14.83	
E.G. Slope (ft/ft)	0.014188	Area (sq ft)		14.83	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	37.62	Top Width (ft)		37.62	
Vel Total (ft/s)	3.17	Avg. Vel. (ft/s)		3.17	
Max Chl Dpth (ft)	0.50	Hydr. Depth (ft)		0.39	
Conv. Total (cfs)	394.6	Conv. (cfs)		394.6	
Length Wtd. (ft)	14.84	Wetted Per. (ft)		37.66	
Min Ch El (ft)	7070.87	Shear (lb/sq ft)		0.35	
Alpha	1.00	Stream Power (lb/ft s)		1.11	
Frctn Loss (ft)	0.22	Cum Volume (acre-ft)		0.84	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.57	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3055.50* Profile: Q010

E.G. Elev (ft)	7071.30	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.17	Wt. n-Val.		0.030	
W.S. Elev (ft)	7071.13	Reach Len. (ft)	18.66	14.84	8.66
Crit W.S. (ft)	7071.11	Flow Area (sq ft)		14.31	
E.G. Slope (ft/ft)	0.015784	Area (sq ft)		14.31	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	37.25	Top Width (ft)		37.25	
Vel Total (ft/s)	3.29	Avg. Vel. (ft/s)		3.29	
Max Chl Dpth (ft)	0.48	Hydr. Depth (ft)		0.38	
Conv. Total (cfs)	374.1	Conv. (cfs)		374.1	
Length Wtd. (ft)	14.84	Wetted Per. (ft)		37.29	
Min Ch El (ft)	7070.65	Shear (lb/sq ft)		0.38	
Alpha	1.00	Stream Power (lb/ft s)		1.24	
Frctn Loss (ft)	0.22	Cum Volume (acre-ft)		0.84	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.56	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3040.67* Profile: Q010

E.G. Elev (ft)	7071.08	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.15	Wt. n-Val.		0.030	
W.S. Elev (ft)	7070.92	Reach Len. (ft)	18.66	14.84	8.66
Crit W.S. (ft)	7070.89	Flow Area (sq ft)		14.95	
E.G. Slope (ft/ft)	0.013732	Area (sq ft)		14.95	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	37.45	Top Width (ft)		37.45	
Vel Total (ft/s)	3.14	Avg. Vel. (ft/s)		3.14	
Max Chl Dpth (ft)	0.49	Hydr. Depth (ft)		0.40	
Conv. Total (cfs)	401.1	Conv. (cfs)		401.1	
Length Wtd. (ft)	14.84	Wetted Per. (ft)		37.50	
Min Ch El (ft)	7070.43	Shear (lb/sq ft)		0.34	
Alpha	1.00	Stream Power (lb/ft s)		1.07	
Frctn Loss (ft)	0.23	Cum Volume (acre-ft)		0.83	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.55	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3025.83* Profile: Q010

E.G. Elev (ft)	7070.84	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.18	Wt. n-Val.		0.030	
W.S. Elev (ft)	7070.67	Reach Len. (ft)	18.67	14.83	8.67
Crit W.S. (ft)	7070.66	Flow Area (sq ft)		13.87	
E.G. Slope (ft/ft)	0.017752	Area (sq ft)		13.87	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	37.65	Top Width (ft)		37.65	
Vel Total (ft/s)	3.39	Avg. Vel. (ft/s)		3.39	
Max Chl Dpth (ft)	0.44	Hydr. Depth (ft)		0.37	
Conv. Total (cfs)	352.8	Conv. (cfs)		352.8	
Length Wtd. (ft)	14.83	Wetted Per. (ft)		37.71	
Min Ch El (ft)	7070.22	Shear (lb/sq ft)		0.41	
Alpha	1.00	Stream Power (lb/ft s)		1.38	
Frctn Loss (ft)	0.22	Cum Volume (acre-ft)		0.83	0.01
C & E Loss (ft)	0.01	Cum SA (acres)		2.54	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3011 Profile: Q010

E.G. Elev (ft)	7070.61	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.14	Wt. n-Val.		0.030	
W.S. Elev (ft)	7070.47	Reach Len. (ft)	26.50	31.00	33.50
Crit W.S. (ft)		Flow Area (sq ft)		15.59	
E.G. Slope (ft/ft)	0.012606	Area (sq ft)		15.59	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	38.96	Top Width (ft)		38.96	
Vel Total (ft/s)	3.02	Avg. Vel. (ft/s)		3.02	
Max Chl Dpth (ft)	0.47	Hydr. Depth (ft)		0.40	
Conv. Total (cfs)	418.6	Conv. (cfs)		418.6	
Length Wtd. (ft)	31.00	Wetted Per. (ft)		39.04	
Min Ch El (ft)	7070.00	Shear (lb/sq ft)		0.31	
Alpha	1.00	Stream Power (lb/ft s)		0.95	
Frctn Loss (ft)	0.42	Cum Volume (acre-ft)		0.82	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.52	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2980.00* Profile: Q010

E.G. Elev (ft)	7070.20	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.16	Wt. n-Val.		0.030	
W.S. Elev (ft)	7070.04	Reach Len. (ft)	26.50	31.00	33.50
Crit W.S. (ft)	7070.01	Flow Area (sq ft)		14.79	
E.G. Slope (ft/ft)	0.014314	Area (sq ft)		14.79	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	37.63	Top Width (ft)		37.63	
Vel Total (ft/s)	3.18	Avg. Vel. (ft/s)		3.18	
Max Chl Dpth (ft)	0.49	Hydr. Depth (ft)		0.39	
Conv. Total (cfs)	392.8	Conv. (cfs)		392.8	
Length Wtd. (ft)	31.00	Wetted Per. (ft)		37.68	
Min Ch El (ft)	7069.55	Shear (lb/sq ft)		0.35	
Alpha	1.00	Stream Power (lb/ft s)		1.11	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		0.81	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.50	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2949.00* Profile: Q010

E.G. Elev (ft)	7069.76	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.15	Wt. n-Val.		0.030	
W.S. Elev (ft)	7069.62	Reach Len. (ft)	26.50	31.00	33.50
Crit W.S. (ft)	7069.58	Flow Area (sq ft)		15.31	
E.G. Slope (ft/ft)	0.013439	Area (sq ft)		15.31	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	39.10	Top Width (ft)		39.10	
Vel Total (ft/s)	3.07	Avg. Vel. (ft/s)		3.07	
Max Chl Dpth (ft)	0.52	Hydr. Depth (ft)		0.39	
Conv. Total (cfs)	405.4	Conv. (cfs)		405.4	
Length Wtd. (ft)	31.00	Wetted Per. (ft)		39.14	
Min Ch El (ft)	7069.10	Shear (lb/sq ft)		0.33	
Alpha	1.00	Stream Power (lb/ft s)		1.01	
Frctn Loss (ft)	0.49	Cum Volume (acre-ft)		0.80	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.47	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2918.00* Profile: Q010

E.G. Elev (ft)	7069.27	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.16	Wt. n-Val.		0.030	
W.S. Elev (ft)	7069.11	Reach Len. (ft)	26.50	31.00	33.50
Crit W.S. (ft)	7069.11	Flow Area (sq ft)		14.63	
E.G. Slope (ft/ft)	0.018803	Area (sq ft)		14.63	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	44.89	Top Width (ft)		44.89	
Vel Total (ft/s)	3.21	Avg. Vel. (ft/s)		3.21	
Max Chl Dpth (ft)	0.46	Hydr. Depth (ft)		0.33	
Conv. Total (cfs)	342.8	Conv. (cfs)		342.8	
Length Wtd. (ft)	31.00	Wetted Per. (ft)		44.94	
Min Ch El (ft)	7068.65	Shear (lb/sq ft)		0.38	
Alpha	1.00	Stream Power (lb/ft s)		1.23	
Frctn Loss (ft)	0.60	Cum Volume (acre-ft)		0.79	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.44	0.03

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning:	During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2887 Profile: Q010

E.G. Elev (ft)	7068.75	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.23	Wt. n-Val.		0.030	
W.S. Elev (ft)	7068.52	Reach Len. (ft)	31.40	29.40	30.40
Crit W.S. (ft)	7068.57	Flow Area (sq ft)		12.15	
E.G. Slope (ft/ft)	0.036717	Area (sq ft)		12.15	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	46.60	Top Width (ft)		46.60	
Vel Total (ft/s)	3.87	Avg. Vel. (ft/s)		3.87	
Max Chl Dpth (ft)	0.32	Hydr. Depth (ft)		0.26	
Conv. Total (cfs)	245.3	Conv. (cfs)		245.3	
Length Wtd. (ft)	29.40	Wetted Per. (ft)		46.68	
Min Ch El (ft)	7068.20	Shear (lb/sq ft)		0.60	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2887 Profile: Q010 (Continued)

Alpha	1.00	Stream Power (lb/ft s)		2.31	
Frctn Loss (ft)	0.42	Cum Volume (acre-ft)		0.78	0.01
C & E Loss (ft)	0.01	Cum SA (acres)		2.41	0.03

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program selected the water surface that had the least amount of error between computed and assumed values.
Note:	Program found supercritical flow starting at this cross section.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2857.60* Profile: Q010

E.G. Elev (ft)	7068.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.11	Wt. n-Val.		0.030	
W.S. Elev (ft)	7068.20	Reach Len. (ft)	31.40	29.40	30.40
Crit W.S. (ft)	7068.18	Flow Area (sq ft)		17.68	
E.G. Slope (ft/ft)	0.014853	Area (sq ft)		17.68	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	60.46	Top Width (ft)		60.46	
Vel Total (ft/s)	2.66	Avg. Vel. (ft/s)		2.66	
Max Chl Dpth (ft)	0.44	Hydr. Depth (ft)		0.29	
Conv. Total (cfs)	385.6	Conv. (cfs)		385.6	
Length Wtd. (ft)	29.40	Wetted Per. (ft)		60.49	
Min Ch EI (ft)	7067.76	Shear (lb/sq ft)		0.27	
Alpha	1.00	Stream Power (lb/ft s)		0.72	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		0.77	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.37	0.03

Errors Warnings and Notes

Note:	Hydraulic jump has occurred between this cross section and the previous upstream section.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2828.20* Profile: Q010

E.G. Elev (ft)	7067.88	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.030	
W.S. Elev (ft)	7067.79	Reach Len. (ft)	31.40	29.40	30.40
Crit W.S. (ft)		Flow Area (sq ft)		18.64	
E.G. Slope (ft/ft)	0.014429	Area (sq ft)		18.64	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	67.53	Top Width (ft)		67.53	
Vel Total (ft/s)	2.52	Avg. Vel. (ft/s)		2.52	
Max Chl Dpth (ft)	0.47	Hydr. Depth (ft)		0.28	
Conv. Total (cfs)	391.3	Conv. (cfs)		391.3	
Length Wtd. (ft)	29.40	Wetted Per. (ft)		67.55	
Min Ch EI (ft)	7067.32	Shear (lb/sq ft)		0.25	
Alpha	1.00	Stream Power (lb/ft s)		0.63	
Frctn Loss (ft)	0.44	Cum Volume (acre-ft)		0.76	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.33	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2798.80* Profile: Q010

E.G. Elev (ft)	7067.45	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.09	Wt. n-Val.		0.030	
W.S. Elev (ft)	7067.36	Reach Len. (ft)	31.40	29.40	30.40
Crit W.S. (ft)	7067.33	Flow Area (sq ft)		19.83	
E.G. Slope (ft/ft)	0.015225	Area (sq ft)		19.83	
Q Total (cfs)	47.00	Flow (cfs)		47.00	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2798.80* Profile: Q010 (Continued)

Top Width (ft)	82.11	Top Width (ft)		82.11	
Vel Total (ft/s)	2.37	Avg. Vel. (ft/s)		2.37	
Max Chl Dpth (ft)	0.48	Hydr. Depth (ft)		0.24	
Conv. Total (cfs)	380.9	Conv. (cfs)		380.9	
Length Wtd. (ft)	29.40	Wetted Per. (ft)		82.13	
Min Ch El (ft)	7066.88	Shear (lb/sq ft)		0.23	
Alpha	1.00	Stream Power (lb/ft s)		0.54	
Frctn Loss (ft)	0.42	Cum Volume (acre-ft)		0.75	0.01
C & E Loss (ft)	0.01	Cum SA (acres)		2.28	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2769.40* Profile: Q010

E.G. Elev (ft)	7067.01	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.06	Wt. n-Val.		0.030	
W.S. Elev (ft)	7066.95	Reach Len. (ft)	31.40	29.40	30.40
Crit W.S. (ft)		Flow Area (sq ft)		23.43	
E.G. Slope (ft/ft)	0.013691	Area (sq ft)		23.43	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	115.10	Top Width (ft)		115.10	
Vel Total (ft/s)	2.01	Avg. Vel. (ft/s)		2.01	
Max Chl Dpth (ft)	0.51	Hydr. Depth (ft)		0.20	
Conv. Total (cfs)	401.7	Conv. (cfs)		401.7	
Length Wtd. (ft)	29.40	Wetted Per. (ft)		115.12	
Min Ch El (ft)	7066.44	Shear (lb/sq ft)		0.17	
Alpha	1.00	Stream Power (lb/ft s)		0.35	
Frctn Loss (ft)	0.50	Cum Volume (acre-ft)		0.73	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.21	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2740 Profile: Q010

E.G. Elev (ft)	7066.51	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.030	0.059
W.S. Elev (ft)	7066.41	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)	7066.41	Flow Area (sq ft)		18.39	0.06
E.G. Slope (ft/ft)	0.021670	Area (sq ft)		18.39	0.06
Q Total (cfs)	47.00	Flow (cfs)		46.97	0.03
Top Width (ft)	89.81	Top Width (ft)		88.69	1.12
Vel Total (ft/s)	2.55	Avg. Vel. (ft/s)		2.55	0.53
Max Chl Dpth (ft)	0.41	Hydr. Depth (ft)		0.21	0.05
Conv. Total (cfs)	319.3	Conv. (cfs)		319.1	0.2
Length Wtd. (ft)	20.00	Wetted Per. (ft)		88.71	1.12
Min Ch El (ft)	7066.00	Shear (lb/sq ft)		0.28	0.07
Alpha	1.00	Stream Power (lb/ft s)		0.72	0.04
Frctn Loss (ft)	0.42	Cum Volume (acre-ft)		0.72	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.14	0.03

Errors Warnings and Notes

Warning: Divided flow computed for this cross-section.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2720.00* Profile: Q010

E.G. Elev (ft)	7066.09	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.030	0.059
W.S. Elev (ft)	7066.00	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)	7065.99	Flow Area (sq ft)		18.87	0.07
E.G. Slope (ft/ft)	0.020136	Area (sq ft)		18.87	0.07

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2720.00* Profile: Q010 (Continued)

Q Total (cfs)	47.00	Flow (cfs)		46.96	0.04
Top Width (ft)	90.73	Top Width (ft)		89.56	1.17
Vel Total (ft/s)	2.48	Avg. Vel. (ft/s)		2.49	0.54
Max Chl Dpth (ft)	0.43	Hydr. Depth (ft)		0.21	0.06
Conv. Total (cfs)	331.2	Conv. (cfs)		331.0	0.3
Length Wtd. (ft)	20.00	Wetted Per. (ft)		89.58	1.17
Min Ch El (ft)	7065.57	Shear (lb/sq ft)		0.26	0.07
Alpha	1.00	Stream Power (lb/ft s)		0.66	0.04
Frctn Loss (ft)	0.42	Cum Volume (acre-ft)		0.71	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.10	0.03

Errors Warnings and Notes

Warning: Divided flow computed for this cross-section.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2700.00* Profile: Q010

E.G. Elev (ft)	7065.67	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.030	0.059
W.S. Elev (ft)	7065.57	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)	7065.57	Flow Area (sq ft)		18.30	0.07
E.G. Slope (ft/ft)	0.022078	Area (sq ft)		18.30	0.07
Q Total (cfs)	47.00	Flow (cfs)		46.96	0.04
Top Width (ft)	89.97	Top Width (ft)		88.85	1.13
Vel Total (ft/s)	2.56	Avg. Vel. (ft/s)		2.57	0.57
Max Chl Dpth (ft)	0.44	Hydr. Depth (ft)		0.21	0.06
Conv. Total (cfs)	316.3	Conv. (cfs)		316.1	0.3
Length Wtd. (ft)	20.00	Wetted Per. (ft)		88.87	1.13
Min Ch El (ft)	7065.13	Shear (lb/sq ft)		0.28	0.08
Alpha	1.00	Stream Power (lb/ft s)		0.73	0.05
Frctn Loss (ft)	0.46	Cum Volume (acre-ft)		0.70	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		2.06	0.03

Errors Warnings and Notes

Warning: Divided flow computed for this cross-section.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2680.00* Profile: Q010

E.G. Elev (ft)	7065.26	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.15	Wt. n-Val.		0.030	0.059
W.S. Elev (ft)	7065.11	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)	7065.15	Flow Area (sq ft)		14.97	0.04
E.G. Slope (ft/ft)	0.037442	Area (sq ft)		14.97	0.04
Q Total (cfs)	47.00	Flow (cfs)		46.98	0.02
Top Width (ft)	80.75	Top Width (ft)		79.94	0.81
Vel Total (ft/s)	3.13	Avg. Vel. (ft/s)		3.14	0.62
Max Chl Dpth (ft)	0.41	Hydr. Depth (ft)		0.19	0.05
Conv. Total (cfs)	242.9	Conv. (cfs)		242.8	0.1
Length Wtd. (ft)		Wetted Per. (ft)		79.96	0.82
Min Ch El (ft)	7064.70	Shear (lb/sq ft)		0.44	0.10
Alpha	1.00	Stream Power (lb/ft s)		1.37	0.06
Frctn Loss (ft)		Cum Volume (acre-ft)		0.69	0.01
C & E Loss (ft)		Cum SA (acres)		2.02	0.03

Errors Warnings and Notes

Warning: The energy equation could not be balanced within the specified number of iterations. The program selected the

Errors Warnings and Notes (Continued)

	water surface that had the least amount of error between computed and assumed values.
Warning:	Divided flow computed for this cross-section.
Note:	Program found supercritical flow starting at this cross section.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2660.00* Profile: Q010

E.G. Elev (ft)	7064.83	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.030	0.059
W.S. Elev (ft)	7064.73	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)	7064.73	Flow Area (sq ft)		18.59	0.07
E.G. Slope (ft/ft)	0.024434	Area (sq ft)		18.59	0.07
Q Total (cfs)	47.00	Flow (cfs)		46.95	0.05
Top Width (ft)	100.89	Top Width (ft)		99.77	1.12
Vel Total (ft/s)	2.52	Avg. Vel. (ft/s)		2.53	0.63
Max Chl Dpth (ft)	0.46	Hydr. Depth (ft)		0.19	0.06
Conv. Total (cfs)	300.7	Conv. (cfs)		300.4	0.3
Length Wtd. (ft)	20.00	Wetted Per. (ft)		99.79	1.12
Min Ch El (ft)	7064.27	Shear (lb/sq ft)		0.28	0.10
Alpha	1.00	Stream Power (lb/ft s)		0.72	0.06
Frctn Loss (ft)	0.44	Cum Volume (acre-ft)		0.69	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		1.98	0.03

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning:	Divided flow computed for this cross-section.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2640.00* Profile: Q010

E.G. Elev (ft)	7064.41	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.		0.030	0.059
W.S. Elev (ft)	7064.29	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)	7064.31	Flow Area (sq ft)		17.17	0.06
E.G. Slope (ft/ft)	0.029265	Area (sq ft)		17.17	0.06
Q Total (cfs)	47.00	Flow (cfs)		46.96	0.04
Top Width (ft)	94.59	Top Width (ft)		93.61	0.98
Vel Total (ft/s)	2.73	Avg. Vel. (ft/s)		2.74	0.66
Max Chl Dpth (ft)	0.46	Hydr. Depth (ft)		0.18	0.06
Conv. Total (cfs)	274.7	Conv. (cfs)		274.5	0.2
Length Wtd. (ft)	20.00	Wetted Per. (ft)		93.62	0.99
Min Ch El (ft)	7063.83	Shear (lb/sq ft)		0.34	0.11
Alpha	1.00	Stream Power (lb/ft s)		0.92	0.07
Frctn Loss (ft)	0.49	Cum Volume (acre-ft)		0.68	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		1.93	0.03

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program selected the water surface that had the least amount of error between computed and assumed values.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2620.00* Profile: Q010

E.G. Elev (ft)	7064.02	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.21	Wt. n-Val.		0.030	0.059
W.S. Elev (ft)	7063.81	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)	7063.88	Flow Area (sq ft)		12.79	0.02
E.G. Slope (ft/ft)	0.067407	Area (sq ft)		12.79	0.02

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2620.00* Profile: Q010 (Continued)

Q Total (cfs)	47.00	Flow (cfs)		46.99	0.01
Top Width (ft)	84.20	Top Width (ft)		83.70	0.50
Vel Total (ft/s)	3.67	Avg. Vel. (ft/s)		3.67	0.66
Max Chl Dpth (ft)	0.41	Hydr. Depth (ft)		0.15	0.03
Conv. Total (cfs)	181.0	Conv. (cfs)		181.0	0.0
Length Wtd. (ft)	20.00	Wetted Per. (ft)		83.71	0.51
Min Ch EI (ft)	7063.40	Shear (lb/sq ft)		0.64	0.13
Alpha	1.00	Stream Power (lb/ft s)		2.36	0.09
Frctn Loss (ft)	0.39	Cum Volume (acre-ft)		0.67	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		1.89	0.03

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program selected the water surface that had the least amount of error between computed and assumed values.
Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2600.00* Profile: Q010

E.G. Elev (ft)	7063.57	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.030	0.059
W.S. Elev (ft)	7063.46	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)	7063.46	Flow Area (sq ft)		18.07	0.07
E.G. Slope (ft/ft)	0.018452	Area (sq ft)		18.07	0.07
Q Total (cfs)	47.00	Flow (cfs)		46.96	0.04
Top Width (ft)	76.27	Top Width (ft)		75.28	0.99
Vel Total (ft/s)	2.59	Avg. Vel. (ft/s)		2.60	0.55
Max Chl Dpth (ft)	0.49	Hydr. Depth (ft)		0.24	0.07
Conv. Total (cfs)	346.0	Conv. (cfs)		345.7	0.3
Length Wtd. (ft)	20.00	Wetted Per. (ft)		75.30	1.00
Min Ch EI (ft)	7062.97	Shear (lb/sq ft)		0.28	0.08
Alpha	1.00	Stream Power (lb/ft s)		0.72	0.04
Frctn Loss (ft)	0.41	Cum Volume (acre-ft)		0.66	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		1.86	0.03

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning:	During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2580.00* Profile: Q010

E.G. Elev (ft)	7063.16	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.13	Wt. n-Val.		0.030	0.059
W.S. Elev (ft)	7063.02	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)	7063.03	Flow Area (sq ft)		16.01	0.05
E.G. Slope (ft/ft)	0.023076	Area (sq ft)		16.01	0.05
Q Total (cfs)	47.00	Flow (cfs)		46.97	0.03
Top Width (ft)	66.58	Top Width (ft)		65.73	0.85
Vel Total (ft/s)	2.93	Avg. Vel. (ft/s)		2.93	0.59
Max Chl Dpth (ft)	0.49	Hydr. Depth (ft)		0.24	0.06
Conv. Total (cfs)	309.4	Conv. (cfs)		309.2	0.2
Length Wtd. (ft)	20.00	Wetted Per. (ft)		65.75	0.86
Min Ch EI (ft)	7062.53	Shear (lb/sq ft)		0.35	0.09

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2580.00* Profile: Q010 (Continued)

Alpha	1.00	Stream Power (lb/ft s)		1.03	0.05
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		0.66	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		1.82	0.03

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2560.00* Profile: Q010

E.G. Elev (ft)	7062.76	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.18	Wt. n-Val.		0.030	0.059
W.S. Elev (ft)	7062.58	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)	7062.62	Flow Area (sq ft)		13.80	0.04
E.G. Slope (ft/ft)	0.030804	Area (sq ft)		13.80	0.04
Q Total (cfs)	47.00	Flow (cfs)		46.98	0.02
Top Width (ft)	56.94	Top Width (ft)		56.26	0.68
Vel Total (ft/s)	3.40	Avg. Vel. (ft/s)		3.41	0.61
Max Chl Dpth (ft)	0.48	Hydr. Depth (ft)		0.25	0.05
Conv. Total (cfs)	267.8	Conv. (cfs)		267.7	0.1
Length Wtd. (ft)	20.00	Wetted Per. (ft)		56.28	0.69
Min Ch El (ft)	7062.10	Shear (lb/sq ft)		0.47	0.10
Alpha	1.00	Stream Power (lb/ft s)		1.61	0.06
Frctn Loss (ft)	0.47	Cum Volume (acre-ft)		0.65	0.01
C & E Loss (ft)	0.01	Cum SA (acres)		1.80	0.03

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program selected the water surface that had the least amount of error between computed and assumed values.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2540.00* Profile: Q010

E.G. Elev (ft)	7062.41	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.29	Wt. n-Val.		0.030	0.059
W.S. Elev (ft)	7062.13	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)	7062.21	Flow Area (sq ft)		10.96	0.02
E.G. Slope (ft/ft)	0.051625	Area (sq ft)		10.96	0.02
Q Total (cfs)	47.00	Flow (cfs)		46.99	0.01
Top Width (ft)	47.06	Top Width (ft)		46.58	0.48
Vel Total (ft/s)	4.28	Avg. Vel. (ft/s)		4.29	0.65
Max Chl Dpth (ft)	0.46	Hydr. Depth (ft)		0.24	0.04
Conv. Total (cfs)	206.9	Conv. (cfs)		206.8	0.1
Length Wtd. (ft)	20.00	Wetted Per. (ft)		46.59	0.49
Min Ch El (ft)	7061.67	Shear (lb/sq ft)		0.76	0.12
Alpha	1.00	Stream Power (lb/ft s)		3.25	0.08
Frctn Loss (ft)	0.35	Cum Volume (acre-ft)		0.64	0.01
C & E Loss (ft)	0.01	Cum SA (acres)		1.77	0.02

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program selected the water surface that had the least amount of error between computed and assumed values.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2520.00* Profile: Q010

E.G. Elev (ft)	7061.99	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.13	Wt. n-Val.		0.030	0.059
W.S. Elev (ft)	7061.85	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)	7061.83	Flow Area (sq ft)		15.92	0.15
E.G. Slope (ft/ft)	0.016713	Area (sq ft)		15.92	0.15
Q Total (cfs)	47.00	Flow (cfs)		46.88	0.12

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2520.00* Profile: Q010 (Continued)

Top Width (ft)	52.35	Top Width (ft)		51.02	1.33
Vel Total (ft/s)	2.92	Avg. Vel. (ft/s)		2.94	0.77
Max Chl Dpth (ft)	0.62	Hydr. Depth (ft)		0.31	0.12
Conv. Total (cfs)	363.6	Conv. (cfs)		362.6	0.9
Length Wtd. (ft)	20.00	Wetted Per. (ft)		51.05	1.35
Min Ch El (ft)	7061.23	Shear (lb/sq ft)		0.33	0.12
Alpha	1.01	Stream Power (lb/ft s)		0.96	0.09
Frctn Loss (ft)	0.37	Cum Volume (acre-ft)		0.64	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		1.75	0.02

Errors Warnings and Notes

Warning:	Divided flow computed for this cross-section.
Note:	Hydraulic jump has occurred between this cross section and the previous upstream section.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2500 Profile: Q010

E.G. Elev (ft)	7061.61	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.17	Wt. n-Val.		0.030	0.059
W.S. Elev (ft)	7061.44	Reach Len. (ft)	28.67	29.00	29.33
Crit W.S. (ft)	7061.44	Flow Area (sq ft)		14.25	0.15
E.G. Slope (ft/ft)	0.020776	Area (sq ft)		14.25	0.15
Q Total (cfs)	47.00	Flow (cfs)		46.87	0.13
Top Width (ft)	46.83	Top Width (ft)		45.55	1.29
Vel Total (ft/s)	3.26	Avg. Vel. (ft/s)		3.29	0.87
Max Chl Dpth (ft)	0.64	Hydr. Depth (ft)		0.31	0.12
Conv. Total (cfs)	326.1	Conv. (cfs)		325.1	0.9
Length Wtd. (ft)	29.00	Wetted Per. (ft)		45.59	1.31
Min Ch El (ft)	7060.80	Shear (lb/sq ft)		0.41	0.15
Alpha	1.01	Stream Power (lb/ft s)		1.33	0.13
Frctn Loss (ft)	0.62	Cum Volume (acre-ft)		0.63	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		1.73	0.02

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning:	Divided flow computed for this cross-section.
Warning:	During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2471.00* Profile: Q010

E.G. Elev (ft)	7060.98	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.17	Wt. n-Val.		0.030	0.059
W.S. Elev (ft)	7060.82	Reach Len. (ft)	28.67	29.00	29.33
Crit W.S. (ft)	7060.82	Flow Area (sq ft)		14.24	0.23
E.G. Slope (ft/ft)	0.022359	Area (sq ft)		14.24	0.23
Q Total (cfs)	47.00	Flow (cfs)		46.75	0.25
Top Width (ft)	49.67	Top Width (ft)		48.20	1.47
Vel Total (ft/s)	3.25	Avg. Vel. (ft/s)		3.28	1.09
Max Chl Dpth (ft)	0.67	Hydr. Depth (ft)		0.30	0.16
Conv. Total (cfs)	314.3	Conv. (cfs)		312.6	1.7
Length Wtd. (ft)	29.00	Wetted Per. (ft)		48.23	1.51
Min Ch El (ft)	7060.15	Shear (lb/sq ft)		0.41	0.22
Alpha	1.02	Stream Power (lb/ft s)		1.35	0.24

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2471.00* Profile: Q010 (Continued)

Frctn Loss (ft)	0.63	Cum Volume (acre-ft)		0.62	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		1.70	0.02

Errors Warnings and Notes

Warning:	Divided flow computed for this cross-section.
Note:	Program found supercritical flow starting at this cross section.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2442.00* Profile: Q010

E.G. Elev (ft)	7060.36	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.16	Wt. n-Val.		0.030	0.059
W.S. Elev (ft)	7060.20	Reach Len. (ft)	28.67	29.00	29.33
Crit W.S. (ft)	7060.21	Flow Area (sq ft)		14.50	0.32
E.G. Slope (ft/ft)	0.020920	Area (sq ft)		14.50	0.32
Q Total (cfs)	47.00	Flow (cfs)		46.61	0.39
Top Width (ft)	49.81	Top Width (ft)		48.21	1.60
Vel Total (ft/s)	3.17	Avg. Vel. (ft/s)		3.21	1.22
Max Chl Dpth (ft)	0.70	Hydr. Depth (ft)		0.30	0.20
Conv. Total (cfs)	325.0	Conv. (cfs)		322.2	2.7
Length Wtd. (ft)	29.00	Wetted Per. (ft)		48.24	1.65
Min Ch El (ft)	7059.50	Shear (lb/sq ft)		0.39	0.25
Alpha	1.02	Stream Power (lb/ft s)		1.26	0.31
Frctn Loss (ft)	0.62	Cum Volume (acre-ft)		0.61	0.01
C & E Loss (ft)	0.00	Cum SA (acres)		1.67	0.02

Errors Warnings and Notes

Warning:	Divided flow computed for this cross-section.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2413.00* Profile: Q010

E.G. Elev (ft)	7059.74	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.19	Wt. n-Val.		0.030	0.059
W.S. Elev (ft)	7059.55	Reach Len. (ft)	28.67	29.00	29.33
Crit W.S. (ft)	7059.57	Flow Area (sq ft)		13.29	0.35
E.G. Slope (ft/ft)	0.021932	Area (sq ft)		13.29	0.35
Q Total (cfs)	47.00	Flow (cfs)		46.52	0.48
Top Width (ft)	41.84	Top Width (ft)		40.26	1.58
Vel Total (ft/s)	3.44	Avg. Vel. (ft/s)		3.50	1.34
Max Chl Dpth (ft)	0.70	Hydr. Depth (ft)		0.33	0.22
Conv. Total (cfs)	317.4	Conv. (cfs)		314.1	3.2
Length Wtd. (ft)	29.00	Wetted Per. (ft)		40.30	1.64
Min Ch El (ft)	7058.85	Shear (lb/sq ft)		0.45	0.30
Alpha	1.02	Stream Power (lb/ft s)		1.58	0.40
Frctn Loss (ft)	0.63	Cum Volume (acre-ft)		0.60	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.64	0.02

Errors Warnings and Notes

Warning:	Divided flow computed for this cross-section.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2384.00* Profile: Q010

E.G. Elev (ft)	7059.10	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.19	Wt. n-Val.		0.030	0.059
W.S. Elev (ft)	7058.91	Reach Len. (ft)	28.67	29.00	29.33
Crit W.S. (ft)	7058.93	Flow Area (sq ft)		13.06	0.40
E.G. Slope (ft/ft)	0.021545	Area (sq ft)		13.06	0.40

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2384.00* Profile: Q010 (Continued)

Q Total (cfs)	47.00	Flow (cfs)		46.42	0.58
Top Width (ft)	39.71	Top Width (ft)		38.13	1.57
Vel Total (ft/s)	3.49	Avg. Vel. (ft/s)		3.56	1.44
Max Chl Dpth (ft)	0.71	Hydr. Depth (ft)		0.34	0.25
Conv. Total (cfs)	320.2	Conv. (cfs)		316.3	3.9
Length Wtd. (ft)	29.00	Wetted Per. (ft)		38.18	1.65
Min Ch El (ft)	7058.20	Shear (lb/sq ft)		0.46	0.33
Alpha	1.03	Stream Power (lb/ft s)		1.64	0.47
Frctn Loss (ft)	0.64	Cum Volume (acre-ft)		0.59	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.61	0.02

Errors Warnings and Notes

Warning: Divided flow computed for this cross-section.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2355.00* Profile: Q010

E.G. Elev (ft)	7058.47	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.21	Wt. n-Val.		0.030	0.059
W.S. Elev (ft)	7058.26	Reach Len. (ft)	28.67	29.00	29.33
Crit W.S. (ft)	7058.29	Flow Area (sq ft)		12.63	0.43
E.G. Slope (ft/ft)	0.022636	Area (sq ft)		12.63	0.43
Q Total (cfs)	47.00	Flow (cfs)		46.33	0.67
Top Width (ft)	38.05	Top Width (ft)		36.51	1.54
Vel Total (ft/s)	3.60	Avg. Vel. (ft/s)		3.67	1.56
Max Chl Dpth (ft)	0.71	Hydr. Depth (ft)		0.35	0.28
Conv. Total (cfs)	312.4	Conv. (cfs)		307.9	4.5
Length Wtd. (ft)	29.01	Wetted Per. (ft)		36.56	1.64
Min Ch El (ft)	7057.55	Shear (lb/sq ft)		0.49	0.37
Alpha	1.03	Stream Power (lb/ft s)		1.79	0.58
Frctn Loss (ft)	0.64	Cum Volume (acre-ft)		0.59	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.58	0.02

Errors Warnings and Notes

Warning: Divided flow computed for this cross-section.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2326 Profile: Q010

E.G. Elev (ft)	7057.83	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.20	Wt. n-Val.		0.030	0.059
W.S. Elev (ft)	7057.63	Reach Len. (ft)	21.60	27.80	28.00
Crit W.S. (ft)	7057.65	Flow Area (sq ft)		12.78	0.48
E.G. Slope (ft/ft)	0.021378	Area (sq ft)		12.78	0.48
Q Total (cfs)	47.00	Flow (cfs)		46.22	0.78
Top Width (ft)	37.71	Top Width (ft)		36.19	1.52
Vel Total (ft/s)	3.54	Avg. Vel. (ft/s)		3.62	1.62
Max Chl Dpth (ft)	0.73	Hydr. Depth (ft)		0.35	0.32
Conv. Total (cfs)	321.4	Conv. (cfs)		316.1	5.3
Length Wtd. (ft)	27.80	Wetted Per. (ft)		36.25	1.65
Min Ch El (ft)	7056.90	Shear (lb/sq ft)		0.47	0.39
Alpha	1.03	Stream Power (lb/ft s)		1.70	0.63
Frctn Loss (ft)	0.63	Cum Volume (acre-ft)		0.58	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.56	0.02

Errors Warnings and Notes

Warning: Divided flow computed for this cross-section.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2298.20* Profile: Q010

E.G. Elev (ft)	7057.22	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.20	Wt. n-Val.		0.030	0.059
W.S. Elev (ft)	7057.01	Reach Len. (ft)	21.60	27.80	28.00
Crit W.S. (ft)	7057.04	Flow Area (sq ft)		12.55	0.62
E.G. Slope (ft/ft)	0.023774	Area (sq ft)		12.55	0.62
Q Total (cfs)	47.00	Flow (cfs)		45.96	1.04
Top Width (ft)	39.84	Top Width (ft)		37.75	2.09
Vel Total (ft/s)	3.57	Avg. Vel. (ft/s)		3.66	1.68
Max Chl Dpth (ft)	0.69	Hydr. Depth (ft)		0.33	0.30
Conv. Total (cfs)	304.8	Conv. (cfs)		298.1	6.7
Length Wtd. (ft)	27.81	Wetted Per. (ft)		37.80	2.17
Min Ch El (ft)	7056.32	Shear (lb/sq ft)		0.49	0.42
Alpha	1.03	Stream Power (lb/ft s)		1.80	0.71
Frctn Loss (ft)	0.62	Cum Volume (acre-ft)		0.57	0.00
C & E Loss (ft)	0.01	Cum SA (acres)		1.54	0.02

Errors Warnings and Notes

Warning: Divided flow computed for this cross-section.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2270.40* Profile: Q010

E.G. Elev (ft)	7056.59	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.17	Wt. n-Val.		0.030	0.059
W.S. Elev (ft)	7056.42	Reach Len. (ft)	21.60	27.80	28.00
Crit W.S. (ft)	7056.43	Flow Area (sq ft)		13.65	0.86
E.G. Slope (ft/ft)	0.021035	Area (sq ft)		13.65	0.86
Q Total (cfs)	47.00	Flow (cfs)		45.64	1.36
Top Width (ft)	45.94	Top Width (ft)		42.97	2.97
Vel Total (ft/s)	3.24	Avg. Vel. (ft/s)		3.34	1.58
Max Chl Dpth (ft)	0.68	Hydr. Depth (ft)		0.32	0.29
Conv. Total (cfs)	324.1	Conv. (cfs)		314.7	9.4
Length Wtd. (ft)	27.81	Wetted Per. (ft)		43.02	3.02
Min Ch El (ft)	7055.74	Shear (lb/sq ft)		0.42	0.37
Alpha	1.04	Stream Power (lb/ft s)		1.39	0.59
Frctn Loss (ft)	0.65	Cum Volume (acre-ft)		0.56	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.51	0.01

Errors Warnings and Notes

Warning: Divided flow computed for this cross-section.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2242.60* Profile: Q010

E.G. Elev (ft)	7055.93	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.17	Wt. n-Val.		0.030	0.059
W.S. Elev (ft)	7055.77	Reach Len. (ft)	21.60	27.80	28.00
Crit W.S. (ft)	7055.79	Flow Area (sq ft)		13.76	0.97
E.G. Slope (ft/ft)	0.026555	Area (sq ft)		13.76	0.97
Q Total (cfs)	47.00	Flow (cfs)		45.41	1.59
Top Width (ft)	56.39	Top Width (ft)		52.59	3.80
Vel Total (ft/s)	3.19	Avg. Vel. (ft/s)		3.30	1.64
Max Chl Dpth (ft)	0.61	Hydr. Depth (ft)		0.26	0.25
Conv. Total (cfs)	288.4	Conv. (cfs)		278.7	9.7
Length Wtd. (ft)	27.81	Wetted Per. (ft)		52.61	3.84
Min Ch El (ft)	7055.16	Shear (lb/sq ft)		0.43	0.42
Alpha	1.04	Stream Power (lb/ft s)		1.43	0.69

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2242.60* Profile: Q010 (Continued)

Frctn Loss (ft)	0.66	Cum Volume (acre-ft)		0.55	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.48	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2214.80* Profile: Q010

E.G. Elev (ft)	7055.28	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.15	Wt. n-Val.		0.030	0.059
W.S. Elev (ft)	7055.13	Reach Len. (ft)	21.60	27.80	28.00
Crit W.S. (ft)	7055.14	Flow Area (sq ft)		14.38	1.14
E.G. Slope (ft/ft)	0.021220	Area (sq ft)		14.38	1.14
Q Total (cfs)	47.00	Flow (cfs)		45.46	1.54
Top Width (ft)	54.58	Top Width (ft)		49.53	5.06
Vel Total (ft/s)	3.03	Avg. Vel. (ft/s)		3.16	1.35
Max Chl Dpth (ft)	0.55	Hydr. Depth (ft)		0.29	0.22
Conv. Total (cfs)	322.6	Conv. (cfs)		312.1	10.6
Length Wtd. (ft)	27.81	Wetted Per. (ft)		49.54	5.08
Min Ch EI (ft)	7054.58	Shear (lb/sq ft)		0.38	0.30
Alpha	1.06	Stream Power (lb/ft s)		1.22	0.40
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		0.54	0.00
C & E Loss (ft)	0.01	Cum SA (acres)		1.45	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2187 Profile: Q010

E.G. Elev (ft)	7054.64	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.11	Wt. n-Val.		0.030	0.059
W.S. Elev (ft)	7054.53	Reach Len. (ft)	30.40	28.40	26.60
Crit W.S. (ft)	7054.49	Flow Area (sq ft)		16.92	1.74
E.G. Slope (ft/ft)	0.012645	Area (sq ft)		16.92	1.74
Q Total (cfs)	47.00	Flow (cfs)		45.16	1.84
Top Width (ft)	58.54	Top Width (ft)		50.99	7.55
Vel Total (ft/s)	2.52	Avg. Vel. (ft/s)		2.67	1.06
Max Chl Dpth (ft)	0.53	Hydr. Depth (ft)		0.33	0.23
Conv. Total (cfs)	418.0	Conv. (cfs)		401.6	16.4
Length Wtd. (ft)	28.36	Wetted Per. (ft)		51.00	7.57
Min Ch EI (ft)	7054.00	Shear (lb/sq ft)		0.26	0.18
Alpha	1.09	Stream Power (lb/ft s)		0.70	0.19
Frctn Loss (ft)	0.39	Cum Volume (acre-ft)		0.53	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.42	0.01

Errors Warnings and Notes

Note: Hydraulic jump has occurred between this cross section and the previous upstream section.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2158.60* Profile: Q010

E.G. Elev (ft)	7054.25	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.13	Wt. n-Val.		0.030	0.059
W.S. Elev (ft)	7054.12	Reach Len. (ft)	30.40	28.40	26.60
Crit W.S. (ft)	7054.09	Flow Area (sq ft)		15.77	0.41
E.G. Slope (ft/ft)	0.014836	Area (sq ft)		15.77	0.41
Q Total (cfs)	47.00	Flow (cfs)		46.64	0.36
Top Width (ft)	48.59	Top Width (ft)		45.97	2.61
Vel Total (ft/s)	2.90	Avg. Vel. (ft/s)		2.96	0.89
Max Chl Dpth (ft)	0.52	Hydr. Depth (ft)		0.34	0.16
Conv. Total (cfs)	385.9	Conv. (cfs)		382.9	3.0
Length Wtd. (ft)	28.39	Wetted Per. (ft)		45.98	2.64
Min Ch EI (ft)	7053.60	Shear (lb/sq ft)		0.32	0.14

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2158.60* Profile: Q010 (Continued)

Alpha	1.03	Stream Power (lb/ft s)		0.94	0.13
Frctn Loss (ft)	0.40	Cum Volume (acre-ft)		0.52	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.38	0.00

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2130.20* Profile: Q010

E.G. Elev (ft)	7053.85	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.		0.030	0.059
W.S. Elev (ft)	7053.73	Reach Len. (ft)	30.40	28.40	26.60
Crit W.S. (ft)		Flow Area (sq ft)		16.75	0.20
E.G. Slope (ft/ft)	0.013112	Area (sq ft)		16.75	0.20
Q Total (cfs)	47.00	Flow (cfs)		46.85	0.15
Top Width (ft)	49.77	Top Width (ft)		48.36	1.41
Vel Total (ft/s)	2.77	Avg. Vel. (ft/s)		2.80	0.77
Max Chl Dpth (ft)	0.53	Hydr. Depth (ft)		0.35	0.14
Conv. Total (cfs)	410.5	Conv. (cfs)		409.1	1.3
Length Wtd. (ft)	28.40	Wetted Per. (ft)		48.37	1.44
Min Ch El (ft)	7053.20	Shear (lb/sq ft)		0.28	0.11
Alpha	1.01	Stream Power (lb/ft s)		0.79	0.09
Frctn Loss (ft)	0.40	Cum Volume (acre-ft)		0.51	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.35	0.00

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2101.80* Profile: Q010

E.G. Elev (ft)	7053.45	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.13	Wt. n-Val.		0.030	0.059
W.S. Elev (ft)	7053.33	Reach Len. (ft)	30.40	28.40	26.60
Crit W.S. (ft)	7053.30	Flow Area (sq ft)		16.46	0.08
E.G. Slope (ft/ft)	0.015429	Area (sq ft)		16.46	0.08
Q Total (cfs)	47.00	Flow (cfs)		46.95	0.05
Top Width (ft)	52.98	Top Width (ft)		52.14	0.84
Vel Total (ft/s)	2.84	Avg. Vel. (ft/s)		2.85	0.64
Max Chl Dpth (ft)	0.53	Hydr. Depth (ft)		0.32	0.09
Conv. Total (cfs)	378.4	Conv. (cfs)		378.0	0.4
Length Wtd. (ft)	28.40	Wetted Per. (ft)		52.15	0.86
Min Ch El (ft)	7052.80	Shear (lb/sq ft)		0.30	0.09
Alpha	1.01	Stream Power (lb/ft s)		0.87	0.06
Frctn Loss (ft)	0.36	Cum Volume (acre-ft)		0.50	0.00
C & E Loss (ft)	0.01	Cum SA (acres)		1.32	0.00

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2073.40* Profile: Q010

E.G. Elev (ft)	7053.08	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.09	Wt. n-Val.		0.030	0.059
W.S. Elev (ft)	7052.99	Reach Len. (ft)	30.40	28.40	26.60
Crit W.S. (ft)		Flow Area (sq ft)		19.00	0.06
E.G. Slope (ft/ft)	0.010862	Area (sq ft)		19.00	0.06
Q Total (cfs)	47.00	Flow (cfs)		46.97	0.03
Top Width (ft)	58.00	Top Width (ft)		57.31	0.70
Vel Total (ft/s)	2.47	Avg. Vel. (ft/s)		2.47	0.49
Max Chl Dpth (ft)	0.59	Hydr. Depth (ft)		0.33	0.08
Conv. Total (cfs)	451.0	Conv. (cfs)		450.7	0.3
Length Wtd. (ft)	28.40	Wetted Per. (ft)		57.32	0.72
Min Ch El (ft)	7052.40	Shear (lb/sq ft)		0.22	0.06
Alpha	1.00	Stream Power (lb/ft s)		0.56	0.03
Frctn Loss (ft)	0.39	Cum Volume (acre-ft)		0.49	0.00

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2073.40* Profile: Q010 (Continued)

C & E Loss (ft)	0.00	Cum SA (acres)		1.29	0.00
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2045 Profile: Q010

E.G. Elev (ft)	7052.69	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.		0.030	
W.S. Elev (ft)	7052.58	Reach Len. (ft)	35.80	29.20	28.80
Crit W.S. (ft)	7052.56	Flow Area (sq ft)		17.01	
E.G. Slope (ft/ft)	0.017603	Area (sq ft)		17.01	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	62.32	Top Width (ft)		62.32	
Vel Total (ft/s)	2.76	Avg. Vel. (ft/s)		2.76	
Max Chl Dpth (ft)	0.57	Hydr. Depth (ft)		0.27	
Conv. Total (cfs)	354.2	Conv. (cfs)		354.2	
Length Wtd. (ft)	29.20	Wetted Per. (ft)		62.34	
Min Ch El (ft)	7052.00	Shear (lb/sq ft)		0.30	
Alpha	1.00	Stream Power (lb/ft s)		0.83	
Frctn Loss (ft)	0.54	Cum Volume (acre-ft)		0.48	
C & E Loss (ft)	0.00	Cum SA (acres)		1.25	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2015.80* Profile: Q010

E.G. Elev (ft)	7052.16	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.13	Wt. n-Val.		0.030	
W.S. Elev (ft)	7052.03	Reach Len. (ft)	35.80	29.20	28.80
Crit W.S. (ft)	7052.02	Flow Area (sq ft)		16.27	
E.G. Slope (ft/ft)	0.019134	Area (sq ft)		16.27	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	59.39	Top Width (ft)		59.39	
Vel Total (ft/s)	2.89	Avg. Vel. (ft/s)		2.89	
Max Chl Dpth (ft)	0.57	Hydr. Depth (ft)		0.27	
Conv. Total (cfs)	339.8	Conv. (cfs)		339.8	
Length Wtd. (ft)	29.20	Wetted Per. (ft)		59.41	
Min Ch El (ft)	7051.46	Shear (lb/sq ft)		0.33	
Alpha	1.00	Stream Power (lb/ft s)		0.95	
Frctn Loss (ft)	0.54	Cum Volume (acre-ft)		0.47	
C & E Loss (ft)	0.00	Cum SA (acres)		1.21	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1986.60* Profile: Q010

E.G. Elev (ft)	7051.62	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.13	Wt. n-Val.		0.030	
W.S. Elev (ft)	7051.49	Reach Len. (ft)	35.80	29.20	28.80
Crit W.S. (ft)	7051.48	Flow Area (sq ft)		16.48	
E.G. Slope (ft/ft)	0.018035	Area (sq ft)		16.48	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	58.69	Top Width (ft)		58.69	
Vel Total (ft/s)	2.85	Avg. Vel. (ft/s)		2.85	
Max Chl Dpth (ft)	0.57	Hydr. Depth (ft)		0.28	
Conv. Total (cfs)	350.0	Conv. (cfs)		350.0	
Length Wtd. (ft)	29.20	Wetted Per. (ft)		58.70	
Min Ch El (ft)	7050.92	Shear (lb/sq ft)		0.32	
Alpha	1.00	Stream Power (lb/ft s)		0.90	
Frctn Loss (ft)	0.55	Cum Volume (acre-ft)		0.46	
C & E Loss (ft)	0.00	Cum SA (acres)		1.17	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1957.40* Profile: Q010

E.G. Elev (ft)	7051.07	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.14	Wt. n-Val.		0.030	
W.S. Elev (ft)	7050.93	Reach Len. (ft)	35.80	29.20	28.80
Crit W.S. (ft)	7050.93	Flow Area (sq ft)		15.72	
E.G. Slope (ft/ft)	0.019509	Area (sq ft)		15.72	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	55.36	Top Width (ft)		55.36	
Vel Total (ft/s)	2.99	Avg. Vel. (ft/s)		2.99	
Max Chl Dpth (ft)	0.55	Hydr. Depth (ft)		0.28	
Conv. Total (cfs)	336.5	Conv. (cfs)		336.5	
Length Wtd. (ft)	29.20	Wetted Per. (ft)		55.37	
Min Ch El (ft)	7050.38	Shear (lb/sq ft)		0.35	
Alpha	1.00	Stream Power (lb/ft s)		1.03	
Frctn Loss (ft)	0.54	Cum Volume (acre-ft)		0.44	
C & E Loss (ft)	0.00	Cum SA (acres)		1.13	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1928.20* Profile: Q010

E.G. Elev (ft)	7050.53	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.13	Wt. n-Val.		0.030	
W.S. Elev (ft)	7050.40	Reach Len. (ft)	35.80	29.20	28.80
Crit W.S. (ft)	7050.40	Flow Area (sq ft)		16.16	
E.G. Slope (ft/ft)	0.017583	Area (sq ft)		16.16	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	54.83	Top Width (ft)		54.83	
Vel Total (ft/s)	2.91	Avg. Vel. (ft/s)		2.91	
Max Chl Dpth (ft)	0.56	Hydr. Depth (ft)		0.29	
Conv. Total (cfs)	354.4	Conv. (cfs)		354.4	
Length Wtd. (ft)	29.20	Wetted Per. (ft)		54.84	
Min Ch El (ft)	7049.84	Shear (lb/sq ft)		0.32	
Alpha	1.00	Stream Power (lb/ft s)		0.94	
Frctn Loss (ft)	0.55	Cum Volume (acre-ft)		0.43	
C & E Loss (ft)	0.00	Cum SA (acres)		1.09	

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning:	During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1899 Profile: Q010

E.G. Elev (ft)	7049.98	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.15	Wt. n-Val.		0.030	
W.S. Elev (ft)	7049.84	Reach Len. (ft)	45.67	43.00	43.67
Crit W.S. (ft)	7049.84	Flow Area (sq ft)		15.24	
E.G. Slope (ft/ft)	0.020047	Area (sq ft)		15.24	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	52.27	Top Width (ft)		52.27	
Vel Total (ft/s)	3.08	Avg. Vel. (ft/s)		3.08	
Max Chl Dpth (ft)	0.54	Hydr. Depth (ft)		0.29	
Conv. Total (cfs)	332.0	Conv. (cfs)		332.0	
Length Wtd. (ft)	43.00	Wetted Per. (ft)		52.28	
Min Ch El (ft)	7049.30	Shear (lb/sq ft)		0.36	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1899 Profile: Q010 (Continued)

Alpha	1.00	Stream Power (lb/ft s)		1.13	
Frctn Loss (ft)	0.95	Cum Volume (acre-ft)		0.42	
C & E Loss (ft)	0.00	Cum SA (acres)		1.05	

Errors Warnings and Notes

Note:	Program found supercritical flow starting at this cross section.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1856.00* Profile: Q010

E.G. Elev (ft)	7049.04	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.18	Wt. n-Val.		0.030	
W.S. Elev (ft)	7048.86	Reach Len. (ft)	45.67	43.00	43.67
Crit W.S. (ft)	7048.89	Flow Area (sq ft)		13.96	
E.G. Slope (ft/ft)	0.024330	Area (sq ft)		13.96	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	48.53	Top Width (ft)		48.53	
Vel Total (ft/s)	3.37	Avg. Vel. (ft/s)		3.37	
Max Chl Dpth (ft)	0.49	Hydr. Depth (ft)		0.29	
Conv. Total (cfs)	301.3	Conv. (cfs)		301.3	
Length Wtd. (ft)	43.00	Wetted Per. (ft)		48.54	
Min Ch EI (ft)	7048.37	Shear (lb/sq ft)		0.44	
Alpha	1.00	Stream Power (lb/ft s)		1.47	
Frctn Loss (ft)	0.96	Cum Volume (acre-ft)		0.41	
C & E Loss (ft)	0.01	Cum SA (acres)		1.01	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1813.00* Profile: Q010

E.G. Elev (ft)	7048.07	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.16	Wt. n-Val.		0.030	
W.S. Elev (ft)	7047.91	Reach Len. (ft)	45.67	43.00	43.67
Crit W.S. (ft)	7047.92	Flow Area (sq ft)		14.74	
E.G. Slope (ft/ft)	0.020730	Area (sq ft)		14.74	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	49.32	Top Width (ft)		49.32	
Vel Total (ft/s)	3.19	Avg. Vel. (ft/s)		3.19	
Max Chl Dpth (ft)	0.48	Hydr. Depth (ft)		0.30	
Conv. Total (cfs)	326.4	Conv. (cfs)		326.4	
Length Wtd. (ft)	43.00	Wetted Per. (ft)		49.34	
Min Ch EI (ft)	7047.43	Shear (lb/sq ft)		0.39	
Alpha	1.00	Stream Power (lb/ft s)		1.23	
Frctn Loss (ft)	0.98	Cum Volume (acre-ft)		0.39	
C & E Loss (ft)	0.00	Cum SA (acres)		0.96	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1770 Profile: Q010

E.G. Elev (ft)	7047.10	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.18	Wt. n-Val.		0.030	
W.S. Elev (ft)	7046.92	Reach Len. (ft)	45.75	45.25	62.75
Crit W.S. (ft)	7046.94	Flow Area (sq ft)		13.95	
E.G. Slope (ft/ft)	0.025078	Area (sq ft)		13.95	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	49.56	Top Width (ft)		49.56	
Vel Total (ft/s)	3.37	Avg. Vel. (ft/s)		3.37	
Max Chl Dpth (ft)	0.42	Hydr. Depth (ft)		0.28	
Conv. Total (cfs)	296.8	Conv. (cfs)		296.8	
Length Wtd. (ft)	45.25	Wetted Per. (ft)		49.58	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1770 Profile: Q010 (Continued)

Min Ch El (ft)	7046.50	Shear (lb/sq ft)		0.44	
Alpha	1.00	Stream Power (lb/ft s)		1.48	
Frctn Loss (ft)	1.12	Cum Volume (acre-ft)		0.38	
C & E Loss (ft)	0.00	Cum SA (acres)		0.91	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1724.75* Profile: Q010

E.G. Elev (ft)	7045.98	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.17	Wt. n-Val.		0.030	
W.S. Elev (ft)	7045.81	Reach Len. (ft)	45.75	45.25	62.75
Crit W.S. (ft)	7045.83	Flow Area (sq ft)		14.33	
E.G. Slope (ft/ft)	0.024364	Area (sq ft)		14.33	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	51.87	Top Width (ft)		51.87	
Vel Total (ft/s)	3.28	Avg. Vel. (ft/s)		3.28	
Max Chl Dpth (ft)	0.43	Hydr. Depth (ft)		0.28	
Conv. Total (cfs)	301.1	Conv. (cfs)		301.1	
Length Wtd. (ft)	45.25	Wetted Per. (ft)		51.89	
Min Ch El (ft)	7045.38	Shear (lb/sq ft)		0.42	
Alpha	1.00	Stream Power (lb/ft s)		1.38	
Frctn Loss (ft)	1.11	Cum Volume (acre-ft)		0.37	
C & E Loss (ft)	0.00	Cum SA (acres)		0.86	

Errors Warnings and Notes

Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1679.50* Profile: Q010

E.G. Elev (ft)	7044.86	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.16	Wt. n-Val.		0.030	
W.S. Elev (ft)	7044.70	Reach Len. (ft)	45.75	45.25	62.75
Crit W.S. (ft)	7044.71	Flow Area (sq ft)		14.52	
E.G. Slope (ft/ft)	0.024830	Area (sq ft)		14.52	
Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	54.32	Top Width (ft)		54.32	
Vel Total (ft/s)	3.24	Avg. Vel. (ft/s)		3.24	
Max Chl Dpth (ft)	0.45	Hydr. Depth (ft)		0.27	
Conv. Total (cfs)	298.3	Conv. (cfs)		298.3	
Length Wtd. (ft)	45.25	Wetted Per. (ft)		54.33	
Min Ch El (ft)	7044.25	Shear (lb/sq ft)		0.41	
Alpha	1.00	Stream Power (lb/ft s)		1.34	
Frctn Loss (ft)	1.13	Cum Volume (acre-ft)		0.35	
C & E Loss (ft)	0.00	Cum SA (acres)		0.80	

Errors Warnings and Notes

Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1634.25* Profile: Q010

E.G. Elev (ft)	7043.73	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.16	Wt. n-Val.		0.030	
W.S. Elev (ft)	7043.57	Reach Len. (ft)	45.75	45.25	62.75
Crit W.S. (ft)	7043.59	Flow Area (sq ft)		14.76	
E.G. Slope (ft/ft)	0.025172	Area (sq ft)		14.76	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1634.25* Profile: Q010 (Continued)

Q Total (cfs)	47.00	Flow (cfs)		47.00	
Top Width (ft)	57.20	Top Width (ft)		57.20	
Vel Total (ft/s)	3.18	Avg. Vel. (ft/s)		3.18	
Max Chl Dpth (ft)	0.45	Hydr. Depth (ft)		0.26	
Conv. Total (cfs)	296.2	Conv. (cfs)		296.2	
Length Wtd. (ft)	45.25	Wetted Per. (ft)		57.21	
Min Ch EI (ft)	7043.12	Shear (lb/sq ft)		0.41	
Alpha	1.00	Stream Power (lb/ft s)		1.29	
Frctn Loss (ft)	0.75	Cum Volume (acre-ft)		0.34	
C & E Loss (ft)	0.00	Cum SA (acres)		0.74	

Errors Warnings and Notes

Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1589 Profile: Q010

E.G. Elev (ft)	7042.74	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.14	Wt. n-Val.		0.030	
W.S. Elev (ft)	7042.60	Reach Len. (ft)	32.43	33.57	31.14
Crit W.S. (ft)	7042.57	Flow Area (sq ft)		26.50	
E.G. Slope (ft/ft)	0.014841	Area (sq ft)		26.50	
Q Total (cfs)	79.00	Flow (cfs)		79.00	
Top Width (ft)	76.29	Top Width (ft)		76.29	
Vel Total (ft/s)	2.98	Avg. Vel. (ft/s)		2.98	
Max Chl Dpth (ft)	0.60	Hydr. Depth (ft)		0.35	
Conv. Total (cfs)	648.5	Conv. (cfs)		648.5	
Length Wtd. (ft)	33.57	Wetted Per. (ft)		76.32	
Min Ch EI (ft)	7042.00	Shear (lb/sq ft)		0.32	
Alpha	1.00	Stream Power (lb/ft s)		0.96	
Frctn Loss (ft)	0.56	Cum Volume (acre-ft)		0.31	
C & E Loss (ft)	0.00	Cum SA (acres)		0.67	

Errors Warnings and Notes

Note:	Hydraulic jump has occurred between this cross section and the previous upstream section.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1555.43* Profile: Q010

E.G. Elev (ft)	7042.18	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.17	Wt. n-Val.		0.030	
W.S. Elev (ft)	7042.01	Reach Len. (ft)	32.43	33.57	31.14
Crit W.S. (ft)	7042.00	Flow Area (sq ft)		23.86	
E.G. Slope (ft/ft)	0.018863	Area (sq ft)		23.86	
Q Total (cfs)	79.00	Flow (cfs)		79.00	
Top Width (ft)	70.22	Top Width (ft)		70.22	
Vel Total (ft/s)	3.31	Avg. Vel. (ft/s)		3.31	
Max Chl Dpth (ft)	0.62	Hydr. Depth (ft)		0.34	
Conv. Total (cfs)	575.2	Conv. (cfs)		575.2	
Length Wtd. (ft)	33.57	Wetted Per. (ft)		70.23	
Min Ch EI (ft)	7041.39	Shear (lb/sq ft)		0.40	
Alpha	1.00	Stream Power (lb/ft s)		1.32	
Frctn Loss (ft)	0.57	Cum Volume (acre-ft)		0.29	
C & E Loss (ft)	0.00	Cum SA (acres)		0.62	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1521.86* Profile: Q010

E.G. Elev (ft)	7041.61	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.17	Wt. n-Val.		0.030	
W.S. Elev (ft)	7041.45	Reach Len. (ft)	32.43	33.57	31.14
Crit W.S. (ft)	7041.42	Flow Area (sq ft)		24.24	
E.G. Slope (ft/ft)	0.015510	Area (sq ft)		24.24	
Q Total (cfs)	79.00	Flow (cfs)		79.00	
Top Width (ft)	63.11	Top Width (ft)		63.11	
Vel Total (ft/s)	3.26	Avg. Vel. (ft/s)		3.26	
Max Chl Dpth (ft)	0.68	Hydr. Depth (ft)		0.38	
Conv. Total (cfs)	634.3	Conv. (cfs)		634.3	
Length Wtd. (ft)	33.57	Wetted Per. (ft)		63.13	
Min Ch El (ft)	7040.77	Shear (lb/sq ft)		0.37	
Alpha	1.00	Stream Power (lb/ft s)		1.21	
Frctn Loss (ft)	0.56	Cum Volume (acre-ft)		0.28	
C & E Loss (ft)	0.00	Cum SA (acres)		0.56	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1488.29* Profile: Q010

E.G. Elev (ft)	7041.05	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.20	Wt. n-Val.		0.030	
W.S. Elev (ft)	7040.85	Reach Len. (ft)	32.43	33.57	31.14
Crit W.S. (ft)	7040.84	Flow Area (sq ft)		22.14	
E.G. Slope (ft/ft)	0.018112	Area (sq ft)		22.14	
Q Total (cfs)	79.00	Flow (cfs)		79.00	
Top Width (ft)	56.48	Top Width (ft)		56.48	
Vel Total (ft/s)	3.57	Avg. Vel. (ft/s)		3.57	
Max Chl Dpth (ft)	0.69	Hydr. Depth (ft)		0.39	
Conv. Total (cfs)	587.0	Conv. (cfs)		587.0	
Length Wtd. (ft)	33.57	Wetted Per. (ft)		56.51	
Min Ch El (ft)	7040.16	Shear (lb/sq ft)		0.44	
Alpha	1.00	Stream Power (lb/ft s)		1.58	
Frctn Loss (ft)	0.57	Cum Volume (acre-ft)		0.26	
C & E Loss (ft)	0.00	Cum SA (acres)		0.52	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1454.71* Profile: Q010

E.G. Elev (ft)	7040.49	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.19	Wt. n-Val.		0.030	
W.S. Elev (ft)	7040.29	Reach Len. (ft)	32.43	33.57	31.14
Crit W.S. (ft)	7040.27	Flow Area (sq ft)		22.43	
E.G. Slope (ft/ft)	0.015893	Area (sq ft)		22.43	
Q Total (cfs)	79.00	Flow (cfs)		79.00	
Top Width (ft)	52.91	Top Width (ft)		52.91	
Vel Total (ft/s)	3.52	Avg. Vel. (ft/s)		3.52	
Max Chl Dpth (ft)	0.75	Hydr. Depth (ft)		0.42	
Conv. Total (cfs)	626.6	Conv. (cfs)		626.6	
Length Wtd. (ft)	33.57	Wetted Per. (ft)		52.95	
Min Ch El (ft)	7039.54	Shear (lb/sq ft)		0.42	
Alpha	1.00	Stream Power (lb/ft s)		1.48	
Frctn Loss (ft)	0.56	Cum Volume (acre-ft)		0.24	
C & E Loss (ft)	0.00	Cum SA (acres)		0.48	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1421.14* Profile: Q010

E.G. Elev (ft)	7039.93	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.22	Wt. n-Val.		0.030	
W.S. Elev (ft)	7039.71	Reach Len. (ft)	32.43	33.57	31.14
Crit W.S. (ft)	7039.70	Flow Area (sq ft)		21.17	
E.G. Slope (ft/ft)	0.017439	Area (sq ft)		21.17	
Q Total (cfs)	79.00	Flow (cfs)		79.00	
Top Width (ft)	49.10	Top Width (ft)		49.10	
Vel Total (ft/s)	3.73	Avg. Vel. (ft/s)		3.73	
Max Chl Dpth (ft)	0.78	Hydr. Depth (ft)		0.43	
Conv. Total (cfs)	598.2	Conv. (cfs)		598.2	
Length Wtd. (ft)	33.57	Wetted Per. (ft)		49.14	
Min Ch El (ft)	7038.93	Shear (lb/sq ft)		0.47	
Alpha	1.00	Stream Power (lb/ft s)		1.75	
Frctn Loss (ft)	0.56	Cum Volume (acre-ft)		0.22	
C & E Loss (ft)	0.00	Cum SA (acres)		0.44	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1387.57* Profile: Q010

E.G. Elev (ft)	7039.36	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.22	Wt. n-Val.		0.030	
W.S. Elev (ft)	7039.15	Reach Len. (ft)	32.43	33.57	31.14
Crit W.S. (ft)	7039.13	Flow Area (sq ft)		21.12	
E.G. Slope (ft/ft)	0.016205	Area (sq ft)		21.12	
Q Total (cfs)	79.00	Flow (cfs)		79.00	
Top Width (ft)	46.17	Top Width (ft)		46.17	
Vel Total (ft/s)	3.74	Avg. Vel. (ft/s)		3.74	
Max Chl Dpth (ft)	0.84	Hydr. Depth (ft)		0.46	
Conv. Total (cfs)	620.6	Conv. (cfs)		620.6	
Length Wtd. (ft)	33.57	Wetted Per. (ft)		46.23	
Min Ch El (ft)	7038.31	Shear (lb/sq ft)		0.46	
Alpha	1.00	Stream Power (lb/ft s)		1.73	
Frctn Loss (ft)	0.55	Cum Volume (acre-ft)		0.21	
C & E Loss (ft)	0.00	Cum SA (acres)		0.40	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1354 Profile: Q010

E.G. Elev (ft)	7038.81	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.23	Wt. n-Val.		0.030	
W.S. Elev (ft)	7038.58	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)	7038.57	Flow Area (sq ft)		20.39	
E.G. Slope (ft/ft)	0.016705	Area (sq ft)		20.39	
Q Total (cfs)	79.00	Flow (cfs)		79.00	
Top Width (ft)	43.23	Top Width (ft)		43.23	
Vel Total (ft/s)	3.87	Avg. Vel. (ft/s)		3.87	
Max Chl Dpth (ft)	0.88	Hydr. Depth (ft)		0.47	
Conv. Total (cfs)	611.2	Conv. (cfs)		611.2	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		43.31	
Min Ch El (ft)	7037.70	Shear (lb/sq ft)		0.49	
Alpha	1.00	Stream Power (lb/ft s)		1.90	
Frctn Loss (ft)	0.30	Cum Volume (acre-ft)		0.19	
C & E Loss (ft)	0.00	Cum SA (acres)		0.37	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1335.88* Profile: Q010

E.G. Elev (ft)	7038.51	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.22	Wt. n-Val.		0.030	
W.S. Elev (ft)	7038.30	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)	7038.28	Flow Area (sq ft)		21.13	
E.G. Slope (ft/ft)	0.015887	Area (sq ft)		21.13	
Q Total (cfs)	79.00	Flow (cfs)		79.00	
Top Width (ft)	45.51	Top Width (ft)		45.51	
Vel Total (ft/s)	3.74	Avg. Vel. (ft/s)		3.74	
Max Chl Dpth (ft)	0.83	Hydr. Depth (ft)		0.46	
Conv. Total (cfs)	626.8	Conv. (cfs)		626.8	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		45.57	
Min Ch El (ft)	7037.46	Shear (lb/sq ft)		0.46	
Alpha	1.00	Stream Power (lb/ft s)		1.72	
Frctn Loss (ft)	0.29	Cum Volume (acre-ft)		0.18	
C & E Loss (ft)	0.00	Cum SA (acres)		0.35	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1317.75* Profile: Q010

E.G. Elev (ft)	7038.22	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.21	Wt. n-Val.		0.030	
W.S. Elev (ft)	7038.01	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)	7038.00	Flow Area (sq ft)		21.46	
E.G. Slope (ft/ft)	0.016144	Area (sq ft)		21.46	
Q Total (cfs)	79.00	Flow (cfs)		79.00	
Top Width (ft)	47.94	Top Width (ft)		47.94	
Vel Total (ft/s)	3.68	Avg. Vel. (ft/s)		3.68	
Max Chl Dpth (ft)	0.78	Hydr. Depth (ft)		0.45	
Conv. Total (cfs)	621.8	Conv. (cfs)		621.8	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		47.99	
Min Ch El (ft)	7037.23	Shear (lb/sq ft)		0.45	
Alpha	1.00	Stream Power (lb/ft s)		1.66	
Frctn Loss (ft)	0.29	Cum Volume (acre-ft)		0.17	
C & E Loss (ft)	0.00	Cum SA (acres)		0.33	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1299.63* Profile: Q010

E.G. Elev (ft)	7037.92	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.20	Wt. n-Val.		0.030	
W.S. Elev (ft)	7037.72	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)	7037.71	Flow Area (sq ft)		21.88	
E.G. Slope (ft/ft)	0.016315	Area (sq ft)		21.88	
Q Total (cfs)	79.00	Flow (cfs)		79.00	
Top Width (ft)	50.73	Top Width (ft)		50.73	
Vel Total (ft/s)	3.61	Avg. Vel. (ft/s)		3.61	
Max Chl Dpth (ft)	0.73	Hydr. Depth (ft)		0.43	
Conv. Total (cfs)	618.5	Conv. (cfs)		618.5	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		50.77	
Min Ch El (ft)	7036.99	Shear (lb/sq ft)		0.44	
Alpha	1.00	Stream Power (lb/ft s)		1.59	
Frctn Loss (ft)	0.29	Cum Volume (acre-ft)		0.17	
C & E Loss (ft)	0.00	Cum SA (acres)		0.31	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1281.50* Profile: Q010

E.G. Elev (ft)	7037.63	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.19	Wt. n-Val.		0.030	
W.S. Elev (ft)	7037.44	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)	7037.43	Flow Area (sq ft)		22.80	
E.G. Slope (ft/ft)	0.015604	Area (sq ft)		22.80	
Q Total (cfs)	79.00	Flow (cfs)		79.00	
Top Width (ft)	54.39	Top Width (ft)		54.39	
Vel Total (ft/s)	3.46	Avg. Vel. (ft/s)		3.46	
Max Chl Dpth (ft)	0.69	Hydr. Depth (ft)		0.42	
Conv. Total (cfs)	632.4	Conv. (cfs)		632.4	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		54.42	
Min Ch El (ft)	7036.75	Shear (lb/sq ft)		0.41	
Alpha	1.00	Stream Power (lb/ft s)		1.41	
Frctn Loss (ft)	0.30	Cum Volume (acre-ft)		0.16	
C & E Loss (ft)	0.00	Cum SA (acres)		0.29	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1263.38* Profile: Q010

E.G. Elev (ft)	7037.33	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.19	Wt. n-Val.		0.030	
W.S. Elev (ft)	7037.14	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)	7037.14	Flow Area (sq ft)		22.64	
E.G. Slope (ft/ft)	0.017289	Area (sq ft)		22.64	
Q Total (cfs)	79.00	Flow (cfs)		79.00	
Top Width (ft)	57.73	Top Width (ft)		57.73	
Vel Total (ft/s)	3.49	Avg. Vel. (ft/s)		3.49	
Max Chl Dpth (ft)	0.63	Hydr. Depth (ft)		0.39	
Conv. Total (cfs)	600.8	Conv. (cfs)		600.8	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		57.76	
Min Ch El (ft)	7036.51	Shear (lb/sq ft)		0.42	
Alpha	1.00	Stream Power (lb/ft s)		1.48	
Frctn Loss (ft)	0.29	Cum Volume (acre-ft)		0.15	
C & E Loss (ft)	0.01	Cum SA (acres)		0.26	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1245.25* Profile: Q010

E.G. Elev (ft)	7037.04	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.16	Wt. n-Val.		0.030	
W.S. Elev (ft)	7036.88	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)	7036.85	Flow Area (sq ft)		24.49	
E.G. Slope (ft/ft)	0.014394	Area (sq ft)		24.49	
Q Total (cfs)	79.00	Flow (cfs)		79.00	
Top Width (ft)	61.17	Top Width (ft)		61.17	
Vel Total (ft/s)	3.23	Avg. Vel. (ft/s)		3.23	
Max Chl Dpth (ft)	0.61	Hydr. Depth (ft)		0.40	
Conv. Total (cfs)	658.5	Conv. (cfs)		658.5	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		61.21	
Min Ch El (ft)	7036.27	Shear (lb/sq ft)		0.36	
Alpha	1.00	Stream Power (lb/ft s)		1.16	
Frctn Loss (ft)	0.30	Cum Volume (acre-ft)		0.14	
C & E Loss (ft)	0.00	Cum SA (acres)		0.24	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1227.13* Profile: Q010

E.G. Elev (ft)	7036.74	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.18	Wt. n-Val.		0.030	
W.S. Elev (ft)	7036.56	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)	7036.56	Flow Area (sq ft)		22.95	
E.G. Slope (ft/ft)	0.018646	Area (sq ft)		22.95	
Q Total (cfs)	79.00	Flow (cfs)		79.00	
Top Width (ft)	63.13	Top Width (ft)		63.13	
Vel Total (ft/s)	3.44	Avg. Vel. (ft/s)		3.44	
Max Chl Dpth (ft)	0.52	Hydr. Depth (ft)		0.36	
Conv. Total (cfs)	578.5	Conv. (cfs)		578.5	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		63.18	
Min Ch El (ft)	7036.04	Shear (lb/sq ft)		0.42	
Alpha	1.00	Stream Power (lb/ft s)		1.46	
Frctn Loss (ft)	0.20	Cum Volume (acre-ft)		0.13	
C & E Loss (ft)	0.02	Cum SA (acres)		0.21	

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Warning:	During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1209 Profile: Q010

E.G. Elev (ft)	7036.48	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.030	
W.S. Elev (ft)	7036.38	Reach Len. (ft)	17.50	18.00	16.00
Crit W.S. (ft)	7036.26	Flow Area (sq ft)		30.84	
E.G. Slope (ft/ft)	0.007420	Area (sq ft)		30.84	
Q Total (cfs)	79.00	Flow (cfs)		79.00	
Top Width (ft)	66.21	Top Width (ft)		66.21	
Vel Total (ft/s)	2.56	Avg. Vel. (ft/s)		2.56	
Max Chl Dpth (ft)	0.58	Hydr. Depth (ft)		0.47	
Conv. Total (cfs)	917.1	Conv. (cfs)		917.1	
Length Wtd. (ft)	18.00	Wetted Per. (ft)		66.31	
Min Ch El (ft)	7035.80	Shear (lb/sq ft)		0.22	
Alpha	1.00	Stream Power (lb/ft s)		0.55	
Frctn Loss (ft)	0.20	Cum Volume (acre-ft)		0.12	
C & E Loss (ft)	0.01	Cum SA (acres)		0.19	

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1191.00* Profile: Q010

E.G. Elev (ft)	7036.27	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.24	Wt. n-Val.		0.030	
W.S. Elev (ft)	7036.04	Reach Len. (ft)	17.50	18.00	16.00
Crit W.S. (ft)	7036.04	Flow Area (sq ft)		20.28	
E.G. Slope (ft/ft)	0.017295	Area (sq ft)		20.28	
Q Total (cfs)	79.00	Flow (cfs)		79.00	
Top Width (ft)	43.81	Top Width (ft)		43.81	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1191.00* Profile: Q010 (Continued)

Vel Total (ft/s)	3.90	Avg. Vel. (ft/s)		3.90
Max Chl Dpth (ft)	0.64	Hydr. Depth (ft)		0.46
Conv. Total (cfs)	600.7	Conv. (cfs)		600.7
Length Wtd. (ft)	18.00	Wetted Per. (ft)		43.84
Min Ch El (ft)	7035.40	Shear (lb/sq ft)		0.50
Alpha	1.00	Stream Power (lb/ft s)		1.95
Frctn Loss (ft)	0.31	Cum Volume (acre-ft)		0.11
C & E Loss (ft)	0.05	Cum SA (acres)		0.16

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning:	During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1173 Profile: Q010

E.G. Elev (ft)	7035.88	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.09	Wt. n-Val.		0.068	
W.S. Elev (ft)	7035.79	Reach Len. (ft)	24.50	25.50	25.00
Crit W.S. (ft)	7035.49	Flow Area (sq ft)		33.64	
E.G. Slope (ft/ft)	0.016895	Area (sq ft)		33.64	
Q Total (cfs)	79.00	Flow (cfs)		79.00	
Top Width (ft)	44.44	Top Width (ft)		44.44	
Vel Total (ft/s)	2.35	Avg. Vel. (ft/s)		2.35	
Max Chl Dpth (ft)	0.79	Hydr. Depth (ft)		0.76	
Conv. Total (cfs)	607.8	Conv. (cfs)		607.8	
Length Wtd. (ft)	25.50	Wetted Per. (ft)		44.74	
Min Ch El (ft)	7035.00	Shear (lb/sq ft)		0.79	
Alpha	1.00	Stream Power (lb/ft s)		1.86	
Frctn Loss (ft)	0.39	Cum Volume (acre-ft)		0.09	
C & E Loss (ft)	0.00	Cum SA (acres)		0.14	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1147.50* Profile: Q010

E.G. Elev (ft)	7035.49	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.		0.068	
W.S. Elev (ft)	7035.41	Reach Len. (ft)	24.50	25.50	25.00
Crit W.S. (ft)		Flow Area (sq ft)		34.74	
E.G. Slope (ft/ft)	0.013676	Area (sq ft)		34.74	
Q Total (cfs)	79.00	Flow (cfs)		79.00	
Top Width (ft)	41.12	Top Width (ft)		41.12	
Vel Total (ft/s)	2.27	Avg. Vel. (ft/s)		2.27	
Max Chl Dpth (ft)	0.91	Hydr. Depth (ft)		0.84	
Conv. Total (cfs)	675.5	Conv. (cfs)		675.5	
Length Wtd. (ft)	25.50	Wetted Per. (ft)		41.40	
Min Ch El (ft)	7034.50	Shear (lb/sq ft)		0.72	
Alpha	1.00	Stream Power (lb/ft s)		1.63	
Frctn Loss (ft)	0.60	Cum Volume (acre-ft)		0.07	
C & E Loss (ft)	0.01	Cum SA (acres)		0.12	

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1122 Profile: Q010

E.G. Elev (ft)	7034.88	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.20	Wt. n-Val.		0.068	
W.S. Elev (ft)	7034.68	Reach Len. (ft)	22.00	24.00	21.00
Crit W.S. (ft)		Flow Area (sq ft)		22.10	
E.G. Slope (ft/ft)	0.050480	Area (sq ft)		22.10	
Q Total (cfs)	79.00	Flow (cfs)		79.00	
Top Width (ft)	35.41	Top Width (ft)		35.41	
Vel Total (ft/s)	3.57	Avg. Vel. (ft/s)		3.57	
Max Chl Dpth (ft)	0.68	Hydr. Depth (ft)		0.62	
Conv. Total (cfs)	351.6	Conv. (cfs)		351.6	
Length Wtd. (ft)	24.00	Wetted Per. (ft)		35.57	
Min Ch El (ft)	7034.00	Shear (lb/sq ft)		1.96	
Alpha	1.00	Stream Power (lb/ft s)		7.00	
Frctn Loss (ft)	1.29	Cum Volume (acre-ft)		0.06	
C & E Loss (ft)	0.00	Cum SA (acres)		0.10	

Errors Warnings and Notes

Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1098 Profile: Q010

E.G. Elev (ft)	7033.59	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.22	Wt. n-Val.		0.068	
W.S. Elev (ft)	7033.37	Reach Len. (ft)	49.50	49.00	50.00
Crit W.S. (ft)		Flow Area (sq ft)		21.15	
E.G. Slope (ft/ft)	0.057741	Area (sq ft)		21.15	
Q Total (cfs)	79.00	Flow (cfs)		79.00	
Top Width (ft)	35.05	Top Width (ft)		35.05	
Vel Total (ft/s)	3.74	Avg. Vel. (ft/s)		3.74	
Max Chl Dpth (ft)	0.87	Hydr. Depth (ft)		0.60	
Conv. Total (cfs)	328.8	Conv. (cfs)		328.8	
Length Wtd. (ft)	49.00	Wetted Per. (ft)		35.26	
Min Ch El (ft)	7032.50	Shear (lb/sq ft)		2.16	
Alpha	1.00	Stream Power (lb/ft s)		8.08	
Frctn Loss (ft)	3.04	Cum Volume (acre-ft)		0.05	
C & E Loss (ft)	0.00	Cum SA (acres)		0.08	

Errors Warnings and Notes

Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1049.00* Profile: Q010

E.G. Elev (ft)	7030.53	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.24	Wt. n-Val.		0.068	
W.S. Elev (ft)	7030.29	Reach Len. (ft)	49.50	49.00	50.00
Crit W.S. (ft)	7030.24	Flow Area (sq ft)		19.91	
E.G. Slope (ft/ft)	0.067013	Area (sq ft)		19.91	
Q Total (cfs)	79.00	Flow (cfs)		79.00	
Top Width (ft)	33.77	Top Width (ft)		33.77	
Vel Total (ft/s)	3.97	Avg. Vel. (ft/s)		3.97	
Max Chl Dpth (ft)	0.84	Hydr. Depth (ft)		0.59	
Conv. Total (cfs)	305.2	Conv. (cfs)		305.2	
Length Wtd. (ft)	49.00	Wetted Per. (ft)		33.91	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1049.00* Profile: Q010 (Continued)

Min Ch El (ft)	7029.45	Shear (lb/sq ft)		2.46	
Alpha	1.00	Stream Power (lb/ft s)		9.75	
Frctn Loss (ft)	3.28	Cum Volume (acre-ft)		0.02	
C & E Loss (ft)	0.00	Cum SA (acres)		0.04	

Errors Warnings and Notes

Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1000 Profile: Q010

E.G. Elev (ft)	7027.26	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.24	Wt. n-Val.		0.068	
W.S. Elev (ft)	7027.02	Reach Len. (ft)			
Crit W.S. (ft)	7026.98	Flow Area (sq ft)		20.23	
E.G. Slope (ft/ft)	0.066702	Area (sq ft)		20.23	
Q Total (cfs)	79.00	Flow (cfs)		79.00	
Top Width (ft)	34.98	Top Width (ft)		34.98	
Vel Total (ft/s)	3.91	Avg. Vel. (ft/s)		3.91	
Max Chl Dpth (ft)	0.62	Hydr. Depth (ft)		0.58	
Conv. Total (cfs)	305.9	Conv. (cfs)		305.9	
Length Wtd. (ft)		Wetted Per. (ft)		35.13	
Min Ch El (ft)	7026.40	Shear (lb/sq ft)		2.40	
Alpha	1.00	Stream Power (lb/ft s)		9.36	
Frctn Loss (ft)		Cum Volume (acre-ft)			
C & E Loss (ft)		Cum SA (acres)			

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5710 Profile: Q002

E.G. Elev (ft)	7125.75	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.		0.068	
W.S. Elev (ft)	7125.66	Reach Len. (ft)	34.00	38.00	40.00
Crit W.S. (ft)	7125.66	Flow Area (sq ft)		0.99	
E.G. Slope (ft/ft)	0.135130	Area (sq ft)		0.99	
Q Total (cfs)	2.30	Flow (cfs)		2.30	
Top Width (ft)	6.13	Top Width (ft)		6.13	
Vel Total (ft/s)	2.33	Avg. Vel. (ft/s)		2.33	
Max Chl Dpth (ft)	0.16	Hydr. Depth (ft)		0.16	
Conv. Total (cfs)	6.3	Conv. (cfs)		6.3	
Length Wtd. (ft)	38.00	Wetted Per. (ft)		6.35	
Min Ch El (ft)	7125.50	Shear (lb/sq ft)		1.31	
Alpha	1.00	Stream Power (lb/ft s)		3.05	
Frctn Loss (ft)	1.03	Cum Volume (acre-ft)		0.44	0.00
C & E Loss (ft)	0.02	Cum SA (acres)		2.81	0.01

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning:	During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5672 Profile: Q002

E.G. Elev (ft)	7123.95	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.068	
W.S. Elev (ft)	7123.94	Reach Len. (ft)	49.00	50.00	50.75
Crit W.S. (ft)	7123.77	Flow Area (sq ft)		2.74	
E.G. Slope (ft/ft)	0.011233	Area (sq ft)		2.74	
Q Total (cfs)	2.30	Flow (cfs)		2.30	
Top Width (ft)	12.57	Top Width (ft)		12.57	
Vel Total (ft/s)	0.84	Avg. Vel. (ft/s)		0.84	
Max Chl Dpth (ft)	0.44	Hydr. Depth (ft)		0.22	
Conv. Total (cfs)	21.7	Conv. (cfs)		21.7	
Length Wtd. (ft)	50.00	Wetted Per. (ft)		12.60	
Min Ch El (ft)	7123.50	Shear (lb/sq ft)		0.15	
Alpha	1.00	Stream Power (lb/ft s)		0.13	
Frctn Loss (ft)	0.47	Cum Volume (acre-ft)		0.44	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.80	0.01

Errors Warnings and Notes

Note:	Hydraulic jump has occurred between this cross section and the previous upstream section.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5622.00* Profile: Q002

E.G. Elev (ft)	7123.47	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.068	
W.S. Elev (ft)	7123.47	Reach Len. (ft)	49.00	50.00	50.75
Crit W.S. (ft)		Flow Area (sq ft)		3.03	
E.G. Slope (ft/ft)	0.008084	Area (sq ft)		3.03	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5622.00* Profile: Q002 (Continued)

Q Total (cfs)	2.30	Flow (cfs)		2.30	
Top Width (ft)	12.57	Top Width (ft)		12.57	
Vel Total (ft/s)	0.76	Avg. Vel. (ft/s)		0.76	
Max Chl Dpth (ft)	0.34	Hydr. Depth (ft)		0.24	
Conv. Total (cfs)	25.6	Conv. (cfs)		25.6	
Length Wtd. (ft)	50.00	Wetted Per. (ft)		12.60	
Min Ch El (ft)	7123.12	Shear (lb/sq ft)		0.12	
Alpha	1.00	Stream Power (lb/ft s)		0.09	
Frctn Loss (ft)	0.46	Cum Volume (acre-ft)		0.43	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.79	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5572.00* Profile: Q002

E.G. Elev (ft)	7123.00	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.068	
W.S. Elev (ft)	7122.99	Reach Len. (ft)	49.00	50.00	50.75
Crit W.S. (ft)		Flow Area (sq ft)		2.91	
E.G. Slope (ft/ft)	0.010790	Area (sq ft)		2.91	
Q Total (cfs)	2.30	Flow (cfs)		2.30	
Top Width (ft)	14.12	Top Width (ft)		14.12	
Vel Total (ft/s)	0.79	Avg. Vel. (ft/s)		0.79	
Max Chl Dpth (ft)	0.24	Hydr. Depth (ft)		0.21	
Conv. Total (cfs)	22.1	Conv. (cfs)		22.1	
Length Wtd. (ft)	50.00	Wetted Per. (ft)		14.14	
Min Ch El (ft)	7122.75	Shear (lb/sq ft)		0.14	
Alpha	1.00	Stream Power (lb/ft s)		0.11	
Frctn Loss (ft)	0.39	Cum Volume (acre-ft)		0.43	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.77	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5522.00* Profile: Q002

E.G. Elev (ft)	7122.62	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.068	
W.S. Elev (ft)	7122.61	Reach Len. (ft)	49.00	50.00	50.75
Crit W.S. (ft)	7122.47	Flow Area (sq ft)		3.86	
E.G. Slope (ft/ft)	0.005789	Area (sq ft)		3.86	
Q Total (cfs)	2.30	Flow (cfs)		2.30	
Top Width (ft)	17.90	Top Width (ft)		17.90	
Vel Total (ft/s)	0.60	Avg. Vel. (ft/s)		0.60	
Max Chl Dpth (ft)	0.23	Hydr. Depth (ft)		0.22	
Conv. Total (cfs)	30.2	Conv. (cfs)		30.2	
Length Wtd. (ft)	50.00	Wetted Per. (ft)		17.94	
Min Ch El (ft)	7122.38	Shear (lb/sq ft)		0.08	
Alpha	1.00	Stream Power (lb/ft s)		0.05	
Frctn Loss (ft)	0.49	Cum Volume (acre-ft)		0.42	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.76	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5472 Profile: Q002

E.G. Elev (ft)	7122.14	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.059	
W.S. Elev (ft)	7122.13	Reach Len. (ft)	32.51	32.74	32.51
Crit W.S. (ft)		Flow Area (sq ft)		2.61	
E.G. Slope (ft/ft)	0.019707	Area (sq ft)		2.61	
Q Total (cfs)	2.30	Flow (cfs)		2.30	
Top Width (ft)	21.02	Top Width (ft)		21.02	
Vel Total (ft/s)	0.88	Avg. Vel. (ft/s)		0.88	
Max Chl Dpth (ft)	0.13	Hydr. Depth (ft)		0.12	
Conv. Total (cfs)	16.4	Conv. (cfs)		16.4	
Length Wtd. (ft)	32.74	Wetted Per. (ft)		21.05	
Min Ch El (ft)	7122.00	Shear (lb/sq ft)		0.15	
Alpha	1.00	Stream Power (lb/ft s)		0.13	
Frctn Loss (ft)	0.47	Cum Volume (acre-ft)		0.42	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.73	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5439.25* Profile: Q002

E.G. Elev (ft)	7121.66	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.059	
W.S. Elev (ft)	7121.65	Reach Len. (ft)	32.51	32.74	32.51
Crit W.S. (ft)		Flow Area (sq ft)		3.12	
E.G. Slope (ft/ft)	0.011072	Area (sq ft)		3.12	
Q Total (cfs)	2.30	Flow (cfs)		2.30	
Top Width (ft)	21.21	Top Width (ft)		21.21	
Vel Total (ft/s)	0.74	Avg. Vel. (ft/s)		0.74	
Max Chl Dpth (ft)	0.15	Hydr. Depth (ft)		0.15	
Conv. Total (cfs)	21.9	Conv. (cfs)		21.9	
Length Wtd. (ft)	32.74	Wetted Per. (ft)		21.25	
Min Ch El (ft)	7121.50	Shear (lb/sq ft)		0.10	
Alpha	1.00	Stream Power (lb/ft s)		0.07	
Frctn Loss (ft)	0.52	Cum Volume (acre-ft)		0.42	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.72	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5406.50* Profile: Q002

E.G. Elev (ft)	7121.13	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.059	
W.S. Elev (ft)	7121.12	Reach Len. (ft)	32.51	32.74	32.51
Crit W.S. (ft)		Flow Area (sq ft)		2.44	
E.G. Slope (ft/ft)	0.024694	Area (sq ft)		2.44	
Q Total (cfs)	2.30	Flow (cfs)		2.30	
Top Width (ft)	20.95	Top Width (ft)		20.95	
Vel Total (ft/s)	0.94	Avg. Vel. (ft/s)		0.94	
Max Chl Dpth (ft)	0.12	Hydr. Depth (ft)		0.12	
Conv. Total (cfs)	14.6	Conv. (cfs)		14.6	
Length Wtd. (ft)	32.74	Wetted Per. (ft)		20.98	
Min Ch El (ft)	7121.00	Shear (lb/sq ft)		0.18	
Alpha	1.00	Stream Power (lb/ft s)		0.17	
Frctn Loss (ft)	0.47	Cum Volume (acre-ft)		0.42	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.70	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Errors Warnings and Notes (Continued)

	1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5373.75* Profile: Q002

E.G. Elev (ft)	7120.67	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.059	
W.S. Elev (ft)	7120.66	Reach Len. (ft)	32.51	32.74	32.51
Crit W.S. (ft)	7120.58	Flow Area (sq ft)		3.28	
E.G. Slope (ft/ft)	0.009352	Area (sq ft)		3.28	
Q Total (cfs)	2.30	Flow (cfs)		2.30	
Top Width (ft)	21.27	Top Width (ft)		21.27	
Vel Total (ft/s)	0.70	Avg. Vel. (ft/s)		0.70	
Max Chl Dpth (ft)	0.16	Hydr. Depth (ft)		0.15	
Conv. Total (cfs)	23.8	Conv. (cfs)		23.8	
Length Wtd. (ft)	32.74	Wetted Per. (ft)		21.31	
Min Ch EI (ft)	7120.50	Shear (lb/sq ft)		0.09	
Alpha	1.00	Stream Power (lb/ft s)		0.06	
Frctn Loss (ft)	0.54	Cum Volume (acre-ft)		0.41	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.69	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than
	1.4. This may indicate the need for additional cross sections.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5341 Profile: Q002

E.G. Elev (ft)	7120.12	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.059	
W.S. Elev (ft)	7120.11	Reach Len. (ft)	30.67	30.33	30.33
Crit W.S. (ft)		Flow Area (sq ft)		2.15	
E.G. Slope (ft/ft)	0.037136	Area (sq ft)		2.15	
Q Total (cfs)	2.30	Flow (cfs)		2.30	
Top Width (ft)	20.84	Top Width (ft)		20.84	
Vel Total (ft/s)	1.07	Avg. Vel. (ft/s)		1.07	
Max Chl Dpth (ft)	0.11	Hydr. Depth (ft)		0.10	
Conv. Total (cfs)	11.9	Conv. (cfs)		11.9	
Length Wtd. (ft)	30.33	Wetted Per. (ft)		20.87	
Min Ch EI (ft)	7120.00	Shear (lb/sq ft)		0.24	
Alpha	1.00	Stream Power (lb/ft s)		0.26	
Frctn Loss (ft)	0.86	Cum Volume (acre-ft)		0.41	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.67	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5310.67* Profile: Q002

E.G. Elev (ft)	7119.27	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.059	
W.S. Elev (ft)	7119.25	Reach Len. (ft)	30.67	30.33	30.33
Crit W.S. (ft)		Flow Area (sq ft)		2.52	
E.G. Slope (ft/ft)	0.022165	Area (sq ft)		2.52	
Q Total (cfs)	2.30	Flow (cfs)		2.30	
Top Width (ft)	20.98	Top Width (ft)		20.98	
Vel Total (ft/s)	0.91	Avg. Vel. (ft/s)		0.91	
Max Chl Dpth (ft)	0.12	Hydr. Depth (ft)		0.12	
Conv. Total (cfs)	15.4	Conv. (cfs)		15.4	
Length Wtd. (ft)	30.33	Wetted Per. (ft)		21.01	
Min Ch EI (ft)	7119.13	Shear (lb/sq ft)		0.17	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5310.67* Profile: Q002 (Continued)

Alpha	1.00	Stream Power (lb/ft s)		0.15	
Frctn Loss (ft)	0.87	Cum Volume (acre-ft)		0.41	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.66	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5280.33* Profile: Q002

E.G. Elev (ft)	7118.39	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.059	
W.S. Elev (ft)	7118.38	Reach Len. (ft)	30.67	30.33	30.33
Crit W.S. (ft)		Flow Area (sq ft)		2.13	
E.G. Slope (ft/ft)	0.038310	Area (sq ft)		2.13	
Q Total (cfs)	2.30	Flow (cfs)		2.30	
Top Width (ft)	20.84	Top Width (ft)		20.84	
Vel Total (ft/s)	1.08	Avg. Vel. (ft/s)		1.08	
Max Chl Dpth (ft)	0.10	Hydr. Depth (ft)		0.10	
Conv. Total (cfs)	11.8	Conv. (cfs)		11.8	
Length Wtd. (ft)	30.33	Wetted Per. (ft)		20.86	
Min Ch El (ft)	7118.27	Shear (lb/sq ft)		0.24	
Alpha	1.00	Stream Power (lb/ft s)		0.26	
Frctn Loss (ft)	0.85	Cum Volume (acre-ft)		0.41	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.64	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5250 Profile: Q002

E.G. Elev (ft)	7117.54	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.059	
W.S. Elev (ft)	7117.52	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)		Flow Area (sq ft)		2.54	
E.G. Slope (ft/ft)	0.021586	Area (sq ft)		2.54	
Q Total (cfs)	2.30	Flow (cfs)		2.30	
Top Width (ft)	20.99	Top Width (ft)		20.99	
Vel Total (ft/s)	0.90	Avg. Vel. (ft/s)		0.90	
Max Chl Dpth (ft)	0.12	Hydr. Depth (ft)		0.12	
Conv. Total (cfs)	15.7	Conv. (cfs)		15.7	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		21.02	
Min Ch El (ft)	7117.40	Shear (lb/sq ft)		0.16	
Alpha	1.00	Stream Power (lb/ft s)		0.15	
Frctn Loss (ft)	0.96	Cum Volume (acre-ft)		0.41	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.63	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5217.25* Profile: Q002

E.G. Elev (ft)	7116.57	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.059	
W.S. Elev (ft)	7116.55	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)		Flow Area (sq ft)		2.07	
E.G. Slope (ft/ft)	0.042135	Area (sq ft)		2.07	
Q Total (cfs)	2.30	Flow (cfs)		2.30	
Top Width (ft)	20.81	Top Width (ft)		20.81	
Vel Total (ft/s)	1.11	Avg. Vel. (ft/s)		1.11	
Max Chl Dpth (ft)	0.10	Hydr. Depth (ft)		0.10	
Conv. Total (cfs)	11.2	Conv. (cfs)		11.2	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		20.84	
Min Ch El (ft)	7116.45	Shear (lb/sq ft)		0.26	
Alpha	1.00	Stream Power (lb/ft s)		0.29	
Frctn Loss (ft)	0.92	Cum Volume (acre-ft)		0.41	0.00

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5217.25* Profile: Q002 (Continued)

C & E Loss (ft)	0.00	Cum SA (acres)		2.61	0.01
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Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5184.50* Profile: Q002

E.G. Elev (ft)	7115.64	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.059	
W.S. Elev (ft)	7115.63	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)		Flow Area (sq ft)		2.59	
E.G. Slope (ft/ft)	0.020222	Area (sq ft)		2.59	
Q Total (cfs)	2.30	Flow (cfs)		2.30	
Top Width (ft)	21.01	Top Width (ft)		21.01	
Vel Total (ft/s)	0.89	Avg. Vel. (ft/s)		0.89	
Max Chl Dpth (ft)	0.13	Hydr. Depth (ft)		0.12	
Conv. Total (cfs)	16.2	Conv. (cfs)		16.2	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		21.04	
Min Ch EI (ft)	7115.50	Shear (lb/sq ft)		0.16	
Alpha	1.00	Stream Power (lb/ft s)		0.14	
Frctn Loss (ft)	0.97	Cum Volume (acre-ft)		0.40	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.60	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5151.75* Profile: Q002

E.G. Elev (ft)	7114.67	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.059	
W.S. Elev (ft)	7114.65	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)		Flow Area (sq ft)		2.00	
E.G. Slope (ft/ft)	0.047249	Area (sq ft)		2.00	
Q Total (cfs)	2.30	Flow (cfs)		2.30	
Top Width (ft)	20.78	Top Width (ft)		20.78	
Vel Total (ft/s)	1.15	Avg. Vel. (ft/s)		1.15	
Max Chl Dpth (ft)	0.10	Hydr. Depth (ft)		0.10	
Conv. Total (cfs)	10.6	Conv. (cfs)		10.6	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		20.81	
Min Ch EI (ft)	7114.55	Shear (lb/sq ft)		0.28	
Alpha	1.00	Stream Power (lb/ft s)		0.33	
Frctn Loss (ft)	0.93	Cum Volume (acre-ft)		0.40	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.58	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5119.00* Profile: Q002

E.G. Elev (ft)	7113.74	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.059	
W.S. Elev (ft)	7113.73	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)		Flow Area (sq ft)		2.64	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5119.00* Profile: Q002 (Continued)

E.G. Slope (ft/ft)	0.018967	Area (sq ft)		2.64	
Q Total (cfs)	2.30	Flow (cfs)		2.30	
Top Width (ft)	21.03	Top Width (ft)		21.03	
Vel Total (ft/s)	0.87	Avg. Vel. (ft/s)		0.87	
Max Chl Dpth (ft)	0.13	Hydr. Depth (ft)		0.13	
Conv. Total (cfs)	16.7	Conv. (cfs)		16.7	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		21.06	
Min Ch El (ft)	7113.60	Shear (lb/sq ft)		0.15	
Alpha	1.00	Stream Power (lb/ft s)		0.13	
Frctn Loss (ft)	0.97	Cum Volume (acre-ft)		0.40	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.56	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5086.25* Profile: Q002

E.G. Elev (ft)	7112.77	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.059	
W.S. Elev (ft)	7112.75	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)		Flow Area (sq ft)		1.94	
E.G. Slope (ft/ft)	0.052290	Area (sq ft)		1.94	
Q Total (cfs)	2.30	Flow (cfs)		2.30	
Top Width (ft)	20.76	Top Width (ft)		20.76	
Vel Total (ft/s)	1.19	Avg. Vel. (ft/s)		1.19	
Max Chl Dpth (ft)	0.10	Hydr. Depth (ft)		0.09	
Conv. Total (cfs)	10.1	Conv. (cfs)		10.1	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		20.79	
Min Ch El (ft)	7112.65	Shear (lb/sq ft)		0.30	
Alpha	1.00	Stream Power (lb/ft s)		0.36	
Frctn Loss (ft)	0.92	Cum Volume (acre-ft)		0.40	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.55	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5053.50* Profile: Q002

E.G. Elev (ft)	7111.84	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.059	
W.S. Elev (ft)	7111.83	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)		Flow Area (sq ft)		2.71	
E.G. Slope (ft/ft)	0.017592	Area (sq ft)		2.71	
Q Total (cfs)	2.30	Flow (cfs)		2.30	
Top Width (ft)	21.05	Top Width (ft)		21.05	
Vel Total (ft/s)	0.85	Avg. Vel. (ft/s)		0.85	
Max Chl Dpth (ft)	0.13	Hydr. Depth (ft)		0.13	
Conv. Total (cfs)	17.3	Conv. (cfs)		17.3	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		21.09	
Min Ch El (ft)	7111.70	Shear (lb/sq ft)		0.14	
Alpha	1.00	Stream Power (lb/ft s)		0.12	
Frctn Loss (ft)	0.97	Cum Volume (acre-ft)		0.40	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.53	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Errors Warnings and Notes (Continued)

	1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 5020.75* Profile: Q002

E.G. Elev (ft)	7110.87	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.059	
W.S. Elev (ft)	7110.84	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)	7110.83	Flow Area (sq ft)		1.86	
E.G. Slope (ft/ft)	0.060155	Area (sq ft)		1.86	
Q Total (cfs)	2.30	Flow (cfs)		2.30	
Top Width (ft)	20.73	Top Width (ft)		20.73	
Vel Total (ft/s)	1.24	Avg. Vel. (ft/s)		1.24	
Max Chl Dpth (ft)	0.09	Hydr. Depth (ft)		0.09	
Conv. Total (cfs)	9.4	Conv. (cfs)		9.4	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		20.75	
Min Ch El (ft)	7110.75	Shear (lb/sq ft)		0.34	
Alpha	1.00	Stream Power (lb/ft s)		0.42	
Frctn Loss (ft)	0.92	Cum Volume (acre-ft)		0.40	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.52	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than
	1.4. This may indicate the need for additional cross sections.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4988.00* Profile: Q002

E.G. Elev (ft)	7109.95	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.059	
W.S. Elev (ft)	7109.94	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)		Flow Area (sq ft)		2.78	
E.G. Slope (ft/ft)	0.016146	Area (sq ft)		2.78	
Q Total (cfs)	2.30	Flow (cfs)		2.30	
Top Width (ft)	21.08	Top Width (ft)		21.08	
Vel Total (ft/s)	0.83	Avg. Vel. (ft/s)		0.83	
Max Chl Dpth (ft)	0.14	Hydr. Depth (ft)		0.13	
Conv. Total (cfs)	18.1	Conv. (cfs)		18.1	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		21.12	
Min Ch El (ft)	7109.80	Shear (lb/sq ft)		0.13	
Alpha	1.00	Stream Power (lb/ft s)		0.11	
Frctn Loss (ft)	0.98	Cum Volume (acre-ft)		0.39	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.50	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than
	1.4. This may indicate the need for additional cross sections.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4955.25* Profile: Q002

E.G. Elev (ft)	7108.96	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.059	
W.S. Elev (ft)	7108.94	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)		Flow Area (sq ft)		1.76	
E.G. Slope (ft/ft)	0.072221	Area (sq ft)		1.76	
Q Total (cfs)	2.30	Flow (cfs)		2.30	
Top Width (ft)	20.70	Top Width (ft)		20.70	
Vel Total (ft/s)	1.31	Avg. Vel. (ft/s)		1.31	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4955.25* Profile: Q002 (Continued)

Max Chl Dpth (ft)	0.09	Hydr. Depth (ft)		0.08	
Conv. Total (cfs)	8.6	Conv. (cfs)		8.6	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		20.72	
Min Ch El (ft)	7108.85	Shear (lb/sq ft)		0.38	
Alpha	1.00	Stream Power (lb/ft s)		0.50	
Frctn Loss (ft)	0.91	Cum Volume (acre-ft)		0.39	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.49	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4922.50* Profile: Q002

E.G. Elev (ft)	7108.05	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.059	
W.S. Elev (ft)	7108.04	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)		Flow Area (sq ft)		2.86	
E.G. Slope (ft/ft)	0.014677	Area (sq ft)		2.86	
Q Total (cfs)	2.30	Flow (cfs)		2.30	
Top Width (ft)	21.11	Top Width (ft)		21.11	
Vel Total (ft/s)	0.80	Avg. Vel. (ft/s)		0.80	
Max Chl Dpth (ft)	0.14	Hydr. Depth (ft)		0.14	
Conv. Total (cfs)	19.0	Conv. (cfs)		19.0	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		21.15	
Min Ch El (ft)	7107.90	Shear (lb/sq ft)		0.12	
Alpha	1.00	Stream Power (lb/ft s)		0.10	
Frctn Loss (ft)	0.99	Cum Volume (acre-ft)		0.39	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.47	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4889.75* Profile: Q002

E.G. Elev (ft)	7107.06	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.059	
W.S. Elev (ft)	7107.03	Reach Len. (ft)	32.83	32.75	32.67
Crit W.S. (ft)	7107.03	Flow Area (sq ft)		1.63	
E.G. Slope (ft/ft)	0.093298	Area (sq ft)		1.63	
Q Total (cfs)	2.30	Flow (cfs)		2.30	
Top Width (ft)	20.64	Top Width (ft)		20.64	
Vel Total (ft/s)	1.41	Avg. Vel. (ft/s)		1.41	
Max Chl Dpth (ft)	0.08	Hydr. Depth (ft)		0.08	
Conv. Total (cfs)	7.5	Conv. (cfs)		7.5	
Length Wtd. (ft)	32.75	Wetted Per. (ft)		20.66	
Min Ch El (ft)	7106.95	Shear (lb/sq ft)		0.46	
Alpha	1.00	Stream Power (lb/ft s)		0.65	
Frctn Loss (ft)	0.70	Cum Volume (acre-ft)		0.39	0.00
C & E Loss (ft)	0.01	Cum SA (acres)		2.45	0.01

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
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Errors Warnings and Notes (Continued)

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Warning:	During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4857 Profile: Q002

E.G. Elev (ft)	7106.17	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.059	
W.S. Elev (ft)	7106.16	Reach Len. (ft)	35.20	35.00	35.00
Crit W.S. (ft)	7106.08	Flow Area (sq ft)		3.31	
E.G. Slope (ft/ft)	0.009163	Area (sq ft)		3.31	
Q Total (cfs)	2.30	Flow (cfs)		2.30	
Top Width (ft)	21.28	Top Width (ft)		21.28	
Vel Total (ft/s)	0.70	Avg. Vel. (ft/s)		0.70	
Max Chl Dpth (ft)	0.16	Hydr. Depth (ft)		0.16	
Conv. Total (cfs)	24.0	Conv. (cfs)		24.0	
Length Wtd. (ft)	35.00	Wetted Per. (ft)		21.32	
Min Ch El (ft)	7106.00	Shear (lb/sq ft)		0.09	
Alpha	1.00	Stream Power (lb/ft s)		0.06	
Frctn Loss (ft)	0.41	Cum Volume (acre-ft)		0.39	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.44	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4822.00* Profile: Q002

E.G. Elev (ft)	7105.75	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.059	
W.S. Elev (ft)	7105.74	Reach Len. (ft)	35.20	35.00	35.00
Crit W.S. (ft)		Flow Area (sq ft)		2.80	
E.G. Slope (ft/ft)	0.015761	Area (sq ft)		2.80	
Q Total (cfs)	2.30	Flow (cfs)		2.30	
Top Width (ft)	21.09	Top Width (ft)		21.09	
Vel Total (ft/s)	0.82	Avg. Vel. (ft/s)		0.82	
Max Chl Dpth (ft)	0.14	Hydr. Depth (ft)		0.13	
Conv. Total (cfs)	18.3	Conv. (cfs)		18.3	
Length Wtd. (ft)	35.00	Wetted Per. (ft)		21.12	
Min Ch El (ft)	7105.60	Shear (lb/sq ft)		0.13	
Alpha	1.00	Stream Power (lb/ft s)		0.11	
Frctn Loss (ft)	0.38	Cum Volume (acre-ft)		0.38	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.42	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4787.00* Profile: Q002

E.G. Elev (ft)	7105.37	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.059	
W.S. Elev (ft)	7105.37	Reach Len. (ft)	35.20	35.00	35.00
Crit W.S. (ft)		Flow Area (sq ft)		3.45	
E.G. Slope (ft/ft)	0.007964	Area (sq ft)		3.45	
Q Total (cfs)	2.30	Flow (cfs)		2.30	
Top Width (ft)	21.34	Top Width (ft)		21.34	
Vel Total (ft/s)	0.67	Avg. Vel. (ft/s)		0.67	
Max Chl Dpth (ft)	0.17	Hydr. Depth (ft)		0.16	
Conv. Total (cfs)	25.8	Conv. (cfs)		25.8	
Length Wtd. (ft)	35.00	Wetted Per. (ft)		21.38	
Min Ch El (ft)	7105.20	Shear (lb/sq ft)		0.08	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4787.00* Profile: Q002 (Continued)

Alpha	1.00	Stream Power (lb/ft s)		0.05	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		0.38	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.40	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4752.00* Profile: Q002

E.G. Elev (ft)	7104.94	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.059	
W.S. Elev (ft)	7104.92	Reach Len. (ft)	35.20	35.00	35.00
Crit W.S. (ft)		Flow Area (sq ft)		2.54	
E.G. Slope (ft/ft)	0.021586	Area (sq ft)		2.54	
Q Total (cfs)	2.30	Flow (cfs)		2.30	
Top Width (ft)	20.99	Top Width (ft)		20.99	
Vel Total (ft/s)	0.90	Avg. Vel. (ft/s)		0.90	
Max Chl Dpth (ft)	0.12	Hydr. Depth (ft)		0.12	
Conv. Total (cfs)	15.7	Conv. (cfs)		15.7	
Length Wtd. (ft)	35.00	Wetted Per. (ft)		21.02	
Min Ch EI (ft)	7104.80	Shear (lb/sq ft)		0.16	
Alpha	1.00	Stream Power (lb/ft s)		0.15	
Frctn Loss (ft)	0.33	Cum Volume (acre-ft)		0.38	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.39	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4717.00* Profile: Q002

E.G. Elev (ft)	7104.59	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.059	
W.S. Elev (ft)	7104.59	Reach Len. (ft)	35.20	35.00	35.00
Crit W.S. (ft)	7104.46	Flow Area (sq ft)		3.91	
E.G. Slope (ft/ft)	0.005305	Area (sq ft)		3.91	
Q Total (cfs)	2.30	Flow (cfs)		2.30	
Top Width (ft)	21.51	Top Width (ft)		21.51	
Vel Total (ft/s)	0.59	Avg. Vel. (ft/s)		0.59	
Max Chl Dpth (ft)	0.19	Hydr. Depth (ft)		0.18	
Conv. Total (cfs)	31.6	Conv. (cfs)		31.6	
Length Wtd. (ft)	35.00	Wetted Per. (ft)		21.55	
Min Ch EI (ft)	7104.40	Shear (lb/sq ft)		0.06	
Alpha	1.00	Stream Power (lb/ft s)		0.04	
Frctn Loss (ft)	0.49	Cum Volume (acre-ft)		0.38	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.37	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4682 Profile: Q002

E.G. Elev (ft)	7104.11	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.059	
W.S. Elev (ft)	7104.08	Reach Len. (ft)	28.50	28.50	28.50
Crit W.S. (ft)	7104.07	Flow Area (sq ft)		1.62	
E.G. Slope (ft/ft)	0.095225	Area (sq ft)		1.62	
Q Total (cfs)	2.30	Flow (cfs)		2.30	
Top Width (ft)	20.64	Top Width (ft)		20.64	
Vel Total (ft/s)	1.42	Avg. Vel. (ft/s)		1.42	
Max Chl Dpth (ft)	0.08	Hydr. Depth (ft)		0.08	
Conv. Total (cfs)	7.5	Conv. (cfs)		7.5	
Length Wtd. (ft)	28.50	Wetted Per. (ft)		20.66	
Min Ch EI (ft)	7104.00	Shear (lb/sq ft)		0.47	
Alpha	1.00	Stream Power (lb/ft s)		0.66	
Frctn Loss (ft)	0.94	Cum Volume (acre-ft)		0.37	0.00
C & E Loss (ft)	0.01	Cum SA (acres)		2.35	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4653.50* Profile: Q002

E.G. Elev (ft)	7103.17	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.059	
W.S. Elev (ft)	7103.16	Reach Len. (ft)	28.50	28.50	28.50
Crit W.S. (ft)		Flow Area (sq ft)		2.49	
E.G. Slope (ft/ft)	0.016510	Area (sq ft)		2.49	
Q Total (cfs)	2.30	Flow (cfs)		2.30	
Top Width (ft)	16.27	Top Width (ft)		16.27	
Vel Total (ft/s)	0.92	Avg. Vel. (ft/s)		0.92	
Max Chl Dpth (ft)	0.16	Hydr. Depth (ft)		0.15	
Conv. Total (cfs)	17.9	Conv. (cfs)		17.9	
Length Wtd. (ft)	28.50	Wetted Per. (ft)		16.31	
Min Ch EI (ft)	7103.00	Shear (lb/sq ft)		0.16	
Alpha	1.00	Stream Power (lb/ft s)		0.15	
Frctn Loss (ft)	0.92	Cum Volume (acre-ft)		0.37	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.34	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4625 Profile: Q002

E.G. Elev (ft)	7102.24	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.059	
W.S. Elev (ft)	7102.19	Reach Len. (ft)	24.67	25.00	24.33
Crit W.S. (ft)	7102.17	Flow Area (sq ft)		2.04	
E.G. Slope (ft/ft)	0.055452	Area (sq ft)		2.04	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	11.52	Top Width (ft)		11.52	
Vel Total (ft/s)	1.86	Avg. Vel. (ft/s)		1.86	
Max Chl Dpth (ft)	0.19	Hydr. Depth (ft)		0.18	
Conv. Total (cfs)	16.1	Conv. (cfs)		16.1	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		11.56	
Min Ch EI (ft)	7102.00	Shear (lb/sq ft)		0.61	
Alpha	1.00	Stream Power (lb/ft s)		1.14	
Frctn Loss (ft)	0.76	Cum Volume (acre-ft)		0.37	0.00
C & E Loss (ft)	0.01	Cum SA (acres)		2.33	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than
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Errors Warnings and Notes (Continued)

	1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4600.00* Profile: Q002

E.G. Elev (ft)	7101.49	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.059	
W.S. Elev (ft)	7101.46	Reach Len. (ft)	24.67	25.00	24.33
Crit W.S. (ft)		Flow Area (sq ft)		2.87	
E.G. Slope (ft/ft)	0.018965	Area (sq ft)		2.87	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	12.08	Top Width (ft)		12.08	
Vel Total (ft/s)	1.33	Avg. Vel. (ft/s)		1.33	
Max Chl Dpth (ft)	0.26	Hydr. Depth (ft)		0.24	
Conv. Total (cfs)	27.6	Conv. (cfs)		27.6	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		12.14	
Min Ch EI (ft)	7101.20	Shear (lb/sq ft)		0.28	
Alpha	1.00	Stream Power (lb/ft s)		0.37	
Frctn Loss (ft)	0.84	Cum Volume (acre-ft)		0.37	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.33	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than
	1.4. This may indicate the need for additional cross sections.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4575.00* Profile: Q002

E.G. Elev (ft)	7100.64	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.07	Wt. n-Val.		0.059	
W.S. Elev (ft)	7100.57	Reach Len. (ft)	24.67	25.00	24.33
Crit W.S. (ft)	7100.56	Flow Area (sq ft)		1.85	
E.G. Slope (ft/ft)	0.075639	Area (sq ft)		1.85	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	11.38	Top Width (ft)		11.38	
Vel Total (ft/s)	2.06	Avg. Vel. (ft/s)		2.06	
Max Chl Dpth (ft)	0.17	Hydr. Depth (ft)		0.16	
Conv. Total (cfs)	13.8	Conv. (cfs)		13.8	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		11.43	
Min Ch EI (ft)	7100.40	Shear (lb/sq ft)		0.76	
Alpha	1.00	Stream Power (lb/ft s)		1.57	
Frctn Loss (ft)	0.72	Cum Volume (acre-ft)		0.37	0.00
C & E Loss (ft)	0.01	Cum SA (acres)		2.32	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than
	1.4. This may indicate the need for additional cross sections.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4550 Profile: Q002

E.G. Elev (ft)	7099.90	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.059	
W.S. Elev (ft)	7099.88	Reach Len. (ft)	33.50	25.00	18.00
Crit W.S. (ft)		Flow Area (sq ft)		3.09	
E.G. Slope (ft/ft)	0.015074	Area (sq ft)		3.09	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	12.22	Top Width (ft)		12.22	
Vel Total (ft/s)	1.23	Avg. Vel. (ft/s)		1.23	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4550 Profile: Q002 (Continued)

Max Chl Dpth (ft)	0.28	Hydr. Depth (ft)		0.25	
Conv. Total (cfs)	31.0	Conv. (cfs)		31.0	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		12.29	
Min Ch El (ft)	7099.60	Shear (lb/sq ft)		0.24	
Alpha	1.00	Stream Power (lb/ft s)		0.29	
Frctn Loss (ft)	0.71	Cum Volume (acre-ft)		0.37	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.31	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4525.00* Profile: Q002

E.G. Elev (ft)	7099.19	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.06	Wt. n-Val.		0.059	
W.S. Elev (ft)	7099.13	Reach Len. (ft)	33.50	25.00	18.00
Crit W.S. (ft)	7099.11	Flow Area (sq ft)		1.88	
E.G. Slope (ft/ft)	0.071458	Area (sq ft)		1.88	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	11.41	Top Width (ft)		11.41	
Vel Total (ft/s)	2.02	Avg. Vel. (ft/s)		2.02	
Max Chl Dpth (ft)	0.18	Hydr. Depth (ft)		0.16	
Conv. Total (cfs)	14.2	Conv. (cfs)		14.2	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		11.45	
Min Ch El (ft)	7098.95	Shear (lb/sq ft)		0.73	
Alpha	1.00	Stream Power (lb/ft s)		1.48	
Frctn Loss (ft)	0.56	Cum Volume (acre-ft)		0.37	0.00
C & E Loss (ft)	0.01	Cum SA (acres)		2.31	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4500 Profile: Q002

E.G. Elev (ft)	7098.63	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.059	
W.S. Elev (ft)	7098.61	Reach Len. (ft)	28.00	28.00	28.00
Crit W.S. (ft)		Flow Area (sq ft)		3.45	
E.G. Slope (ft/ft)	0.010695	Area (sq ft)		3.45	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	12.46	Top Width (ft)		12.46	
Vel Total (ft/s)	1.10	Avg. Vel. (ft/s)		1.10	
Max Chl Dpth (ft)	0.31	Hydr. Depth (ft)		0.28	
Conv. Total (cfs)	36.7	Conv. (cfs)		36.7	
Length Wtd. (ft)	28.00	Wetted Per. (ft)		12.53	
Min Ch El (ft)	7098.30	Shear (lb/sq ft)		0.18	
Alpha	1.00	Stream Power (lb/ft s)		0.20	
Frctn Loss (ft)	0.30	Cum Volume (acre-ft)		0.36	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.30	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4472.00* Profile: Q002

E.G. Elev (ft)	7098.33	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.059	
W.S. Elev (ft)	7098.31	Reach Len. (ft)	28.00	28.00	28.00
Crit W.S. (ft)		Flow Area (sq ft)		3.44	
E.G. Slope (ft/ft)	0.010754	Area (sq ft)		3.44	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	12.45	Top Width (ft)		12.45	
Vel Total (ft/s)	1.10	Avg. Vel. (ft/s)		1.10	
Max Chl Dpth (ft)	0.31	Hydr. Depth (ft)		0.28	
Conv. Total (cfs)	36.6	Conv. (cfs)		36.6	
Length Wtd. (ft)	28.00	Wetted Per. (ft)		12.53	
Min Ch El (ft)	7098.00	Shear (lb/sq ft)		0.18	
Alpha	1.00	Stream Power (lb/ft s)		0.20	
Frctn Loss (ft)	0.31	Cum Volume (acre-ft)		0.36	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.29	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4444.00* Profile: Q002

E.G. Elev (ft)	7098.02	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.059	
W.S. Elev (ft)	7098.00	Reach Len. (ft)	28.00	28.00	28.00
Crit W.S. (ft)		Flow Area (sq ft)		3.39	
E.G. Slope (ft/ft)	0.011237	Area (sq ft)		3.39	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	12.42	Top Width (ft)		12.42	
Vel Total (ft/s)	1.12	Avg. Vel. (ft/s)		1.12	
Max Chl Dpth (ft)	0.30	Hydr. Depth (ft)		0.27	
Conv. Total (cfs)	35.8	Conv. (cfs)		35.8	
Length Wtd. (ft)	28.00	Wetted Per. (ft)		12.50	
Min Ch El (ft)	7097.70	Shear (lb/sq ft)		0.19	
Alpha	1.00	Stream Power (lb/ft s)		0.21	
Frctn Loss (ft)	0.30	Cum Volume (acre-ft)		0.36	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.28	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4416.00* Profile: Q002

E.G. Elev (ft)	7097.73	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.059	
W.S. Elev (ft)	7097.71	Reach Len. (ft)	28.00	28.00	28.00
Crit W.S. (ft)		Flow Area (sq ft)		3.49	
E.G. Slope (ft/ft)	0.010353	Area (sq ft)		3.49	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	12.48	Top Width (ft)		12.48	
Vel Total (ft/s)	1.09	Avg. Vel. (ft/s)		1.09	
Max Chl Dpth (ft)	0.31	Hydr. Depth (ft)		0.28	
Conv. Total (cfs)	37.3	Conv. (cfs)		37.3	
Length Wtd. (ft)	28.00	Wetted Per. (ft)		12.56	
Min Ch El (ft)	7097.40	Shear (lb/sq ft)		0.18	
Alpha	1.00	Stream Power (lb/ft s)		0.20	
Frctn Loss (ft)	0.30	Cum Volume (acre-ft)		0.36	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.27	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4388.00* Profile: Q002

E.G. Elev (ft)	7097.43	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.059	
W.S. Elev (ft)	7097.41	Reach Len. (ft)	28.00	28.00	28.00
Crit W.S. (ft)		Flow Area (sq ft)		3.43	
E.G. Slope (ft/ft)	0.010872	Area (sq ft)		3.43	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	12.45	Top Width (ft)		12.45	
Vel Total (ft/s)	1.11	Avg. Vel. (ft/s)		1.11	
Max Chl Dpth (ft)	0.31	Hydr. Depth (ft)		0.28	
Conv. Total (cfs)	36.4	Conv. (cfs)		36.4	
Length Wtd. (ft)	28.00	Wetted Per. (ft)		12.52	
Min Ch El (ft)	7097.10	Shear (lb/sq ft)		0.19	
Alpha	1.00	Stream Power (lb/ft s)		0.21	
Frctn Loss (ft)	0.30	Cum Volume (acre-ft)		0.36	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.27	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4360.00* Profile: Q002

E.G. Elev (ft)	7097.13	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.059	
W.S. Elev (ft)	7097.11	Reach Len. (ft)	28.00	28.00	28.00
Crit W.S. (ft)		Flow Area (sq ft)		3.47	
E.G. Slope (ft/ft)	0.010522	Area (sq ft)		3.47	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	12.47	Top Width (ft)		12.47	
Vel Total (ft/s)	1.10	Avg. Vel. (ft/s)		1.10	
Max Chl Dpth (ft)	0.31	Hydr. Depth (ft)		0.28	
Conv. Total (cfs)	37.0	Conv. (cfs)		37.0	
Length Wtd. (ft)	28.00	Wetted Per. (ft)		12.54	
Min Ch El (ft)	7096.80	Shear (lb/sq ft)		0.18	
Alpha	1.00	Stream Power (lb/ft s)		0.20	
Frctn Loss (ft)	0.31	Cum Volume (acre-ft)		0.35	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.26	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4332.00* Profile: Q002

E.G. Elev (ft)	7096.82	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.059	
W.S. Elev (ft)	7096.80	Reach Len. (ft)	28.00	28.00	28.00
Crit W.S. (ft)		Flow Area (sq ft)		3.38	
E.G. Slope (ft/ft)	0.011426	Area (sq ft)		3.38	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	12.41	Top Width (ft)		12.41	
Vel Total (ft/s)	1.13	Avg. Vel. (ft/s)		1.13	
Max Chl Dpth (ft)	0.30	Hydr. Depth (ft)		0.27	
Conv. Total (cfs)	35.5	Conv. (cfs)		35.5	
Length Wtd. (ft)	28.00	Wetted Per. (ft)		12.48	
Min Ch El (ft)	7096.50	Shear (lb/sq ft)		0.19	
Alpha	1.00	Stream Power (lb/ft s)		0.22	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)		0.35	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.25	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4304.00* Profile: Q002

E.G. Elev (ft)	7096.54	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.059	
W.S. Elev (ft)	7096.53	Reach Len. (ft)	28.00	28.00	28.00
Crit W.S. (ft)		Flow Area (sq ft)		3.68	
E.G. Slope (ft/ft)	0.008745	Area (sq ft)		3.68	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	12.61	Top Width (ft)		12.61	
Vel Total (ft/s)	1.03	Avg. Vel. (ft/s)		1.03	
Max Chl Dpth (ft)	0.33	Hydr. Depth (ft)		0.29	
Conv. Total (cfs)	40.6	Conv. (cfs)		40.6	
Length Wtd. (ft)	28.00	Wetted Per. (ft)		12.69	
Min Ch El (ft)	7096.20	Shear (lb/sq ft)		0.16	
Alpha	1.00	Stream Power (lb/ft s)		0.16	
Frctn Loss (ft)	0.32	Cum Volume (acre-ft)		0.35	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.24	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4276 Profile: Q002

E.G. Elev (ft)	7096.22	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.068	
W.S. Elev (ft)	7096.20	Reach Len. (ft)	25.00	25.20	25.00
Crit W.S. (ft)		Flow Area (sq ft)		3.38	
E.G. Slope (ft/ft)	0.015093	Area (sq ft)		3.38	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	12.41	Top Width (ft)		12.41	
Vel Total (ft/s)	1.12	Avg. Vel. (ft/s)		1.12	
Max Chl Dpth (ft)	0.30	Hydr. Depth (ft)		0.27	
Conv. Total (cfs)	30.9	Conv. (cfs)		30.9	
Length Wtd. (ft)	25.20	Wetted Per. (ft)		12.49	
Min Ch El (ft)	7095.90	Shear (lb/sq ft)		0.26	
Alpha	1.00	Stream Power (lb/ft s)		0.29	
Frctn Loss (ft)	0.40	Cum Volume (acre-ft)		0.35	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.23	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4250.80* Profile: Q002

E.G. Elev (ft)	7095.82	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.068	
W.S. Elev (ft)	7095.81	Reach Len. (ft)	25.00	25.20	25.00
Crit W.S. (ft)		Flow Area (sq ft)		3.47	
E.G. Slope (ft/ft)	0.016429	Area (sq ft)		3.47	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	14.13	Top Width (ft)		14.13	
Vel Total (ft/s)	1.10	Avg. Vel. (ft/s)		1.10	
Max Chl Dpth (ft)	0.27	Hydr. Depth (ft)		0.25	
Conv. Total (cfs)	29.6	Conv. (cfs)		29.6	
Length Wtd. (ft)	25.20	Wetted Per. (ft)		14.19	
Min Ch El (ft)	7095.54	Shear (lb/sq ft)		0.25	
Alpha	1.00	Stream Power (lb/ft s)		0.27	
Frctn Loss (ft)	0.36	Cum Volume (acre-ft)		0.34	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.23	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4225.60* Profile: Q002

E.G. Elev (ft)	7095.46	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.068	
W.S. Elev (ft)	7095.44	Reach Len. (ft)	25.00	25.20	25.00
Crit W.S. (ft)		Flow Area (sq ft)		3.95	
E.G. Slope (ft/ft)	0.012728	Area (sq ft)		3.95	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	16.10	Top Width (ft)		16.10	
Vel Total (ft/s)	0.96	Avg. Vel. (ft/s)		0.96	
Max Chl Dpth (ft)	0.26	Hydr. Depth (ft)		0.25	
Conv. Total (cfs)	33.7	Conv. (cfs)		33.7	
Length Wtd. (ft)	25.20	Wetted Per. (ft)		16.16	
Min Ch El (ft)	7095.18	Shear (lb/sq ft)		0.19	
Alpha	1.00	Stream Power (lb/ft s)		0.19	
Frctn Loss (ft)	0.41	Cum Volume (acre-ft)		0.34	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.22	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4200.40* Profile: Q002

E.G. Elev (ft)	7095.05	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.068	
W.S. Elev (ft)	7095.03	Reach Len. (ft)	25.00	25.20	25.00
Crit W.S. (ft)		Flow Area (sq ft)		3.53	
E.G. Slope (ft/ft)	0.020928	Area (sq ft)		3.53	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	17.68	Top Width (ft)		17.68	
Vel Total (ft/s)	1.08	Avg. Vel. (ft/s)		1.08	
Max Chl Dpth (ft)	0.21	Hydr. Depth (ft)		0.20	
Conv. Total (cfs)	26.3	Conv. (cfs)		26.3	
Length Wtd. (ft)	25.20	Wetted Per. (ft)		17.73	
Min Ch El (ft)	7094.82	Shear (lb/sq ft)		0.26	
Alpha	1.00	Stream Power (lb/ft s)		0.28	
Frctn Loss (ft)	0.32	Cum Volume (acre-ft)		0.34	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.21	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4175.20* Profile: Q002

E.G. Elev (ft)	7094.72	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.068	
W.S. Elev (ft)	7094.71	Reach Len. (ft)	25.00	25.20	25.00
Crit W.S. (ft)		Flow Area (sq ft)		4.84	
E.G. Slope (ft/ft)	0.008628	Area (sq ft)		4.84	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	20.04	Top Width (ft)		20.04	
Vel Total (ft/s)	0.79	Avg. Vel. (ft/s)		0.79	
Max Chl Dpth (ft)	0.25	Hydr. Depth (ft)		0.24	
Conv. Total (cfs)	40.9	Conv. (cfs)		40.9	
Length Wtd. (ft)	25.20	Wetted Per. (ft)		20.10	
Min Ch El (ft)	7094.46	Shear (lb/sq ft)		0.13	
Alpha	1.00	Stream Power (lb/ft s)		0.10	
Frctn Loss (ft)	0.46	Cum Volume (acre-ft)		0.34	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.20	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Errors Warnings and Notes (Continued)

1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4150 Profile: Q002

E.G. Elev (ft)	7094.26	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.068	
W.S. Elev (ft)	7094.23	Reach Len. (ft)	13.33	13.33	11.17
Crit W.S. (ft)		Flow Area (sq ft)		2.73	
E.G. Slope (ft/ft)	0.062229	Area (sq ft)		2.73	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	21.06	Top Width (ft)		21.06	
Vel Total (ft/s)	1.39	Avg. Vel. (ft/s)		1.39	
Max Chl Dpth (ft)	0.13	Hydr. Depth (ft)		0.13	
Conv. Total (cfs)	15.2	Conv. (cfs)		15.2	
Length Wtd. (ft)	13.33	Wetted Per. (ft)		21.10	
Min Ch EI (ft)	7094.10	Shear (lb/sq ft)		0.50	
Alpha	1.00	Stream Power (lb/ft s)		0.70	
Frctn Loss (ft)	0.80	Cum Volume (acre-ft)		0.34	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.19	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4136.67* Profile: Q002

E.G. Elev (ft)	7093.46	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.068	
W.S. Elev (ft)	7093.44	Reach Len. (ft)	13.33	13.33	11.17
Crit W.S. (ft)		Flow Area (sq ft)		2.79	
E.G. Slope (ft/ft)	0.058391	Area (sq ft)		2.79	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	21.22	Top Width (ft)		21.22	
Vel Total (ft/s)	1.36	Avg. Vel. (ft/s)		1.36	
Max Chl Dpth (ft)	0.14	Hydr. Depth (ft)		0.13	
Conv. Total (cfs)	15.7	Conv. (cfs)		15.7	
Length Wtd. (ft)	13.33	Wetted Per. (ft)		21.25	
Min Ch EI (ft)	7093.30	Shear (lb/sq ft)		0.48	
Alpha	1.00	Stream Power (lb/ft s)		0.65	
Frctn Loss (ft)	0.81	Cum Volume (acre-ft)		0.34	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.18	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4123.33* Profile: Q002

E.G. Elev (ft)	7092.66	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.068	
W.S. Elev (ft)	7092.63	Reach Len. (ft)	13.33	13.33	11.17
Crit W.S. (ft)		Flow Area (sq ft)		2.74	
E.G. Slope (ft/ft)	0.062658	Area (sq ft)		2.74	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	21.34	Top Width (ft)		21.34	
Vel Total (ft/s)	1.39	Avg. Vel. (ft/s)		1.39	
Max Chl Dpth (ft)	0.13	Hydr. Depth (ft)		0.13	
Conv. Total (cfs)	15.2	Conv. (cfs)		15.2	
Length Wtd. (ft)	13.33	Wetted Per. (ft)		21.37	
Min Ch EI (ft)	7092.50	Shear (lb/sq ft)		0.50	
Alpha	1.00	Stream Power (lb/ft s)		0.70	
Frctn Loss (ft)	0.80	Cum Volume (acre-ft)		0.33	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.17	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4110.00* Profile: Q002

E.G. Elev (ft)	7091.86	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.068	
W.S. Elev (ft)	7091.84	Reach Len. (ft)	13.33	13.33	11.17
Crit W.S. (ft)		Flow Area (sq ft)		2.82	
E.G. Slope (ft/ft)	0.057331	Area (sq ft)		2.82	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	21.55	Top Width (ft)		21.55	
Vel Total (ft/s)	1.35	Avg. Vel. (ft/s)		1.35	
Max Chl Dpth (ft)	0.14	Hydr. Depth (ft)		0.13	
Conv. Total (cfs)	15.9	Conv. (cfs)		15.9	
Length Wtd. (ft)	13.33	Wetted Per. (ft)		21.57	
Min Ch El (ft)	7091.70	Shear (lb/sq ft)		0.47	
Alpha	1.00	Stream Power (lb/ft s)		0.63	
Frctn Loss (ft)	0.81	Cum Volume (acre-ft)		0.33	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.17	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4096.67* Profile: Q002

E.G. Elev (ft)	7091.06	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.068	
W.S. Elev (ft)	7091.03	Reach Len. (ft)	13.33	13.33	11.17
Crit W.S. (ft)		Flow Area (sq ft)		2.73	
E.G. Slope (ft/ft)	0.064613	Area (sq ft)		2.73	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	21.68	Top Width (ft)		21.68	
Vel Total (ft/s)	1.39	Avg. Vel. (ft/s)		1.39	
Max Chl Dpth (ft)	0.13	Hydr. Depth (ft)		0.13	
Conv. Total (cfs)	14.9	Conv. (cfs)		14.9	
Length Wtd. (ft)	13.33	Wetted Per. (ft)		21.70	
Min Ch El (ft)	7090.90	Shear (lb/sq ft)		0.51	
Alpha	1.00	Stream Power (lb/ft s)		0.71	
Frctn Loss (ft)	0.80	Cum Volume (acre-ft)		0.33	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.16	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4083.33* Profile: Q002

E.G. Elev (ft)	7090.26	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.068	
W.S. Elev (ft)	7090.24	Reach Len. (ft)	13.33	13.33	11.17
Crit W.S. (ft)		Flow Area (sq ft)		2.87	
E.G. Slope (ft/ft)	0.055522	Area (sq ft)		2.87	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	21.98	Top Width (ft)		21.98	
Vel Total (ft/s)	1.32	Avg. Vel. (ft/s)		1.32	
Max Chl Dpth (ft)	0.14	Hydr. Depth (ft)		0.13	
Conv. Total (cfs)	16.1	Conv. (cfs)		16.1	
Length Wtd. (ft)	13.33	Wetted Per. (ft)		22.00	
Min Ch El (ft)	7090.10	Shear (lb/sq ft)		0.45	
Alpha	1.00	Stream Power (lb/ft s)		0.60	
Frctn Loss (ft)	0.80	Cum Volume (acre-ft)		0.33	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.15	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4070 Profile: Q002

E.G. Elev (ft)	7089.46	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.068	
W.S. Elev (ft)	7089.43	Reach Len. (ft)	10.21	14.59	21.79
Crit W.S. (ft)		Flow Area (sq ft)		2.75	
E.G. Slope (ft/ft)	0.064863	Area (sq ft)		2.75	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	22.13	Top Width (ft)		22.13	
Vel Total (ft/s)	1.38	Avg. Vel. (ft/s)		1.38	
Max Chl Dpth (ft)	0.13	Hydr. Depth (ft)		0.12	
Conv. Total (cfs)	14.9	Conv. (cfs)		14.9	
Length Wtd. (ft)	14.59	Wetted Per. (ft)		22.15	
Min Ch El (ft)	7089.30	Shear (lb/sq ft)		0.50	
Alpha	1.00	Stream Power (lb/ft s)		0.69	
Frctn Loss (ft)	0.65	Cum Volume (acre-ft)		0.33	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.15	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4055.40* Profile: Q002

E.G. Elev (ft)	7088.81	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.059	
W.S. Elev (ft)	7088.79	Reach Len. (ft)	10.21	14.59	21.79
Crit W.S. (ft)		Flow Area (sq ft)		2.94	
E.G. Slope (ft/ft)	0.032679	Area (sq ft)		2.94	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	19.42	Top Width (ft)		19.42	
Vel Total (ft/s)	1.29	Avg. Vel. (ft/s)		1.29	
Max Chl Dpth (ft)	0.17	Hydr. Depth (ft)		0.15	
Conv. Total (cfs)	21.0	Conv. (cfs)		21.0	
Length Wtd. (ft)	14.59	Wetted Per. (ft)		19.44	
Min Ch El (ft)	7088.62	Shear (lb/sq ft)		0.31	
Alpha	1.00	Stream Power (lb/ft s)		0.40	
Frctn Loss (ft)	0.67	Cum Volume (acre-ft)		0.33	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.14	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4040.80* Profile: Q002

E.G. Elev (ft)	7088.14	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.059	
W.S. Elev (ft)	7088.09	Reach Len. (ft)	10.21	14.59	21.79
Crit W.S. (ft)	7088.08	Flow Area (sq ft)		2.18	
E.G. Slope (ft/ft)	0.069847	Area (sq ft)		2.18	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	16.27	Top Width (ft)		16.27	
Vel Total (ft/s)	1.74	Avg. Vel. (ft/s)		1.74	
Max Chl Dpth (ft)	0.15	Hydr. Depth (ft)		0.13	
Conv. Total (cfs)	14.4	Conv. (cfs)		14.4	
Length Wtd. (ft)	14.59	Wetted Per. (ft)		16.28	
Min Ch El (ft)	7087.94	Shear (lb/sq ft)		0.58	
Alpha	1.00	Stream Power (lb/ft s)		1.02	
Frctn Loss (ft)	0.63	Cum Volume (acre-ft)		0.33	0.00
C & E Loss (ft)	0.01	Cum SA (acres)		2.13	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than
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Errors Warnings and Notes (Continued)

	1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4026.20* Profile: Q002

E.G. Elev (ft)	7087.52	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.059	
W.S. Elev (ft)	7087.49	Reach Len. (ft)	10.21	14.59	21.79
Crit W.S. (ft)		Flow Area (sq ft)		2.89	
E.G. Slope (ft/ft)	0.029222	Area (sq ft)		2.89	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	17.16	Top Width (ft)		17.16	
Vel Total (ft/s)	1.31	Avg. Vel. (ft/s)		1.31	
Max Chl Dpth (ft)	0.23	Hydr. Depth (ft)		0.17	
Conv. Total (cfs)	22.2	Conv. (cfs)		22.2	
Length Wtd. (ft)	14.59	Wetted Per. (ft)		17.18	
Min Ch EI (ft)	7087.26	Shear (lb/sq ft)		0.31	
Alpha	1.00	Stream Power (lb/ft s)		0.40	
Frctn Loss (ft)	0.69	Cum Volume (acre-ft)		0.33	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.13	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than
	1.4. This may indicate the need for additional cross sections.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 4011.60* Profile: Q002

E.G. Elev (ft)	7086.83	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.059	
W.S. Elev (ft)	7086.77	Reach Len. (ft)	10.21	14.59	21.79
Crit W.S. (ft)	7086.77	Flow Area (sq ft)		2.11	
E.G. Slope (ft/ft)	0.087600	Area (sq ft)		2.11	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	17.67	Top Width (ft)		17.67	
Vel Total (ft/s)	1.80	Avg. Vel. (ft/s)		1.80	
Max Chl Dpth (ft)	0.19	Hydr. Depth (ft)		0.12	
Conv. Total (cfs)	12.8	Conv. (cfs)		12.8	
Length Wtd. (ft)	14.59	Wetted Per. (ft)		17.68	
Min Ch EI (ft)	7086.58	Shear (lb/sq ft)		0.65	
Alpha	1.00	Stream Power (lb/ft s)		1.18	
Frctn Loss (ft)	0.48	Cum Volume (acre-ft)		0.33	0.00
C & E Loss (ft)	0.01	Cum SA (acres)		2.12	0.01

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program used critical
	depth for the water surface and continued on with the calculations.
Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than
	1.4. This may indicate the need for additional cross sections.
Warning:	During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
	water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The
	program defaulted to critical depth.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3997 Profile: Q002

E.G. Elev (ft)	7086.13	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.059	
W.S. Elev (ft)	7086.12	Reach Len. (ft)	20.81	19.49	18.35
Crit W.S. (ft)	7086.05	Flow Area (sq ft)		3.96	
E.G. Slope (ft/ft)	0.017258	Area (sq ft)		3.96	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	25.32	Top Width (ft)		25.32	
Vel Total (ft/s)	0.96	Avg. Vel. (ft/s)		0.96	
Max Chl Dpth (ft)	0.22	Hydr. Depth (ft)		0.16	
Conv. Total (cfs)	28.9	Conv. (cfs)		28.9	
Length Wtd. (ft)	19.49	Wetted Per. (ft)		25.33	
Min Ch El (ft)	7085.90	Shear (lb/sq ft)		0.17	
Alpha	1.00	Stream Power (lb/ft s)		0.16	
Frctn Loss (ft)	0.39	Cum Volume (acre-ft)		0.33	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.11	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3977.50* Profile: Q002

E.G. Elev (ft)	7085.74	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.059	
W.S. Elev (ft)	7085.72	Reach Len. (ft)	20.81	19.49	18.35
Crit W.S. (ft)		Flow Area (sq ft)		3.54	
E.G. Slope (ft/ft)	0.024007	Area (sq ft)		3.54	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	24.49	Top Width (ft)		24.49	
Vel Total (ft/s)	1.07	Avg. Vel. (ft/s)		1.07	
Max Chl Dpth (ft)	0.20	Hydr. Depth (ft)		0.14	
Conv. Total (cfs)	24.5	Conv. (cfs)		24.5	
Length Wtd. (ft)	19.49	Wetted Per. (ft)		24.50	
Min Ch El (ft)	7085.52	Shear (lb/sq ft)		0.22	
Alpha	1.00	Stream Power (lb/ft s)		0.23	
Frctn Loss (ft)	0.36	Cum Volume (acre-ft)		0.32	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.10	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3958.00* Profile: Q002

E.G. Elev (ft)	7085.38	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.059	
W.S. Elev (ft)	7085.37	Reach Len. (ft)	20.81	19.49	18.35
Crit W.S. (ft)		Flow Area (sq ft)		4.08	
E.G. Slope (ft/ft)	0.014881	Area (sq ft)		4.08	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	24.36	Top Width (ft)		24.36	
Vel Total (ft/s)	0.93	Avg. Vel. (ft/s)		0.93	
Max Chl Dpth (ft)	0.24	Hydr. Depth (ft)		0.17	
Conv. Total (cfs)	31.2	Conv. (cfs)		31.2	
Length Wtd. (ft)	19.49	Wetted Per. (ft)		24.37	
Min Ch El (ft)	7085.13	Shear (lb/sq ft)		0.16	
Alpha	1.00	Stream Power (lb/ft s)		0.14	
Frctn Loss (ft)	0.41	Cum Volume (acre-ft)		0.32	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.09	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3938.50* Profile: Q002

E.G. Elev (ft)	7084.97	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.059	
W.S. Elev (ft)	7084.94	Reach Len. (ft)	20.81	19.49	18.35
Crit W.S. (ft)		Flow Area (sq ft)		3.17	
E.G. Slope (ft/ft)	0.032369	Area (sq ft)		3.17	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	23.34	Top Width (ft)		23.34	
Vel Total (ft/s)	1.20	Avg. Vel. (ft/s)		1.20	
Max Chl Dpth (ft)	0.19	Hydr. Depth (ft)		0.14	
Conv. Total (cfs)	21.1	Conv. (cfs)		21.1	
Length Wtd. (ft)	19.49	Wetted Per. (ft)		23.34	
Min Ch El (ft)	7084.75	Shear (lb/sq ft)		0.27	
Alpha	1.00	Stream Power (lb/ft s)		0.33	
Frctn Loss (ft)	0.39	Cum Volume (acre-ft)		0.32	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.08	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3919.00* Profile: Q002

E.G. Elev (ft)	7084.57	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.030	
W.S. Elev (ft)	7084.54	Reach Len. (ft)	20.81	19.49	18.35
Crit W.S. (ft)	7084.52	Flow Area (sq ft)		2.72	
E.G. Slope (ft/ft)	0.013851	Area (sq ft)		2.72	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	23.15	Top Width (ft)		23.15	
Vel Total (ft/s)	1.40	Avg. Vel. (ft/s)		1.40	
Max Chl Dpth (ft)	0.17	Hydr. Depth (ft)		0.12	
Conv. Total (cfs)	32.3	Conv. (cfs)		32.3	
Length Wtd. (ft)	19.49	Wetted Per. (ft)		23.16	
Min Ch El (ft)	7084.37	Shear (lb/sq ft)		0.10	
Alpha	1.00	Stream Power (lb/ft s)		0.14	
Frctn Loss (ft)	0.39	Cum Volume (acre-ft)		0.32	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.07	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3899.50* Profile: Q002

E.G. Elev (ft)	7084.18	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.030	
W.S. Elev (ft)	7084.13	Reach Len. (ft)	20.81	19.49	18.35
Crit W.S. (ft)	7084.13	Flow Area (sq ft)		2.14	
E.G. Slope (ft/ft)	0.030505	Area (sq ft)		2.14	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	23.05	Top Width (ft)		23.05	
Vel Total (ft/s)	1.77	Avg. Vel. (ft/s)		1.77	
Max Chl Dpth (ft)	0.15	Hydr. Depth (ft)		0.09	
Conv. Total (cfs)	21.8	Conv. (cfs)		21.8	
Length Wtd. (ft)	19.49	Wetted Per. (ft)		23.06	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3899.50* Profile: Q002 (Continued)

Min Ch El (ft)	7083.98	Shear (lb/sq ft)		0.18	
Alpha	1.00	Stream Power (lb/ft s)		0.31	
Frctn Loss (ft)	0.32	Cum Volume (acre-ft)		0.32	0.00
C & E Loss (ft)	0.01	Cum SA (acres)		2.06	0.01

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Warning:	During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3880 Profile: Q002

E.G. Elev (ft)	7083.81	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.030	
W.S. Elev (ft)	7083.78	Reach Len. (ft)	35.00	36.00	36.60
Crit W.S. (ft)	7083.74	Flow Area (sq ft)		3.02	
E.G. Slope (ft/ft)	0.010059	Area (sq ft)		3.02	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	23.64	Top Width (ft)		23.64	
Vel Total (ft/s)	1.26	Avg. Vel. (ft/s)		1.26	
Max Chl Dpth (ft)	0.18	Hydr. Depth (ft)		0.13	
Conv. Total (cfs)	37.9	Conv. (cfs)		37.9	
Length Wtd. (ft)	36.00	Wetted Per. (ft)		23.66	
Min Ch El (ft)	7083.60	Shear (lb/sq ft)		0.08	
Alpha	1.00	Stream Power (lb/ft s)		0.10	
Frctn Loss (ft)	0.55	Cum Volume (acre-ft)		0.32	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.05	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3844.00* Profile: Q002

E.G. Elev (ft)	7083.26	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.030	
W.S. Elev (ft)	7083.21	Reach Len. (ft)	35.00	36.00	36.60
Crit W.S. (ft)	7083.21	Flow Area (sq ft)		2.24	
E.G. Slope (ft/ft)	0.025543	Area (sq ft)		2.24	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	22.47	Top Width (ft)		22.47	
Vel Total (ft/s)	1.70	Avg. Vel. (ft/s)		1.70	
Max Chl Dpth (ft)	0.15	Hydr. Depth (ft)		0.10	
Conv. Total (cfs)	23.8	Conv. (cfs)		23.8	
Length Wtd. (ft)	36.00	Wetted Per. (ft)		22.48	
Min Ch El (ft)	7083.06	Shear (lb/sq ft)		0.16	
Alpha	1.00	Stream Power (lb/ft s)		0.27	
Frctn Loss (ft)	0.52	Cum Volume (acre-ft)		0.32	0.00
C & E Loss (ft)	0.01	Cum SA (acres)		2.03	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than
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Errors Warnings and Notes (Continued)

	1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3808.00* Profile: Q002

E.G. Elev (ft)	7082.73	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.030	
W.S. Elev (ft)	7082.71	Reach Len. (ft)	35.00	36.00	36.60
Crit W.S. (ft)	7082.67	Flow Area (sq ft)		3.03	
E.G. Slope (ft/ft)	0.009241	Area (sq ft)		3.03	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	22.47	Top Width (ft)		22.47	
Vel Total (ft/s)	1.25	Avg. Vel. (ft/s)		1.25	
Max Chl Dpth (ft)	0.19	Hydr. Depth (ft)		0.13	
Conv. Total (cfs)	39.5	Conv. (cfs)		39.5	
Length Wtd. (ft)	36.00	Wetted Per. (ft)		22.48	
Min Ch EI (ft)	7082.52	Shear (lb/sq ft)		0.08	
Alpha	1.00	Stream Power (lb/ft s)		0.10	
Frctn Loss (ft)	0.54	Cum Volume (acre-ft)		0.31	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		2.01	0.01

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than
	1.4. This may indicate the need for additional cross sections.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3772.00* Profile: Q002

E.G. Elev (ft)	7082.18	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.030	
W.S. Elev (ft)	7082.13	Reach Len. (ft)	35.00	36.00	36.60
Crit W.S. (ft)	7082.13	Flow Area (sq ft)		2.11	
E.G. Slope (ft/ft)	0.029093	Area (sq ft)		2.11	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	21.47	Top Width (ft)		21.47	
Vel Total (ft/s)	1.80	Avg. Vel. (ft/s)		1.80	
Max Chl Dpth (ft)	0.15	Hydr. Depth (ft)		0.10	
Conv. Total (cfs)	22.3	Conv. (cfs)		22.3	
Length Wtd. (ft)	36.00	Wetted Per. (ft)		21.47	
Min Ch EI (ft)	7081.98	Shear (lb/sq ft)		0.18	
Alpha	1.00	Stream Power (lb/ft s)		0.32	
Frctn Loss (ft)	0.47	Cum Volume (acre-ft)		0.31	0.00
C & E Loss (ft)	0.01	Cum SA (acres)		1.99	0.01

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program used critical
	depth for the water surface and continued on with the calculations.
Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than
	1.4. This may indicate the need for additional cross sections.
Warning:	During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
	water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The
	program defaulted to critical depth.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3736.00* Profile: Q002

E.G. Elev (ft)	7081.66	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.030	
W.S. Elev (ft)	7081.64	Reach Len. (ft)	35.00	36.00	36.60
Crit W.S. (ft)	7081.58	Flow Area (sq ft)		3.34	
E.G. Slope (ft/ft)	0.007280	Area (sq ft)		3.34	
Q Total (cfs)	3.80	Flow (cfs)		3.80	
Top Width (ft)	23.82	Top Width (ft)		23.82	
Vel Total (ft/s)	1.14	Avg. Vel. (ft/s)		1.14	
Max Chl Dpth (ft)	0.20	Hydr. Depth (ft)		0.14	
Conv. Total (cfs)	44.5	Conv. (cfs)		44.5	
Length Wtd. (ft)	36.00	Wetted Per. (ft)		23.83	
Min Ch El (ft)	7081.44	Shear (lb/sq ft)		0.06	
Alpha	1.00	Stream Power (lb/ft s)		0.07	
Frctn Loss (ft)	0.44	Cum Volume (acre-ft)		0.31	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.98	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3700 Profile: Q002

E.G. Elev (ft)	7081.22	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.059	
W.S. Elev (ft)	7081.20	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		6.32	
E.G. Slope (ft/ft)	0.016610	Area (sq ft)		6.32	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	26.42	Top Width (ft)		26.42	
Vel Total (ft/s)	1.25	Avg. Vel. (ft/s)		1.25	
Max Chl Dpth (ft)	0.30	Hydr. Depth (ft)		0.24	
Conv. Total (cfs)	61.3	Conv. (cfs)		61.3	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		26.48	
Min Ch El (ft)	7080.90	Shear (lb/sq ft)		0.25	
Alpha	1.00	Stream Power (lb/ft s)		0.31	
Frctn Loss (ft)	0.42	Cum Volume (acre-ft)		0.31	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.95	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3675.00* Profile: Q002

E.G. Elev (ft)	7080.80	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.059	
W.S. Elev (ft)	7080.78	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		6.35	
E.G. Slope (ft/ft)	0.017068	Area (sq ft)		6.35	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	27.31	Top Width (ft)		27.31	
Vel Total (ft/s)	1.24	Avg. Vel. (ft/s)		1.24	
Max Chl Dpth (ft)	0.30	Hydr. Depth (ft)		0.23	
Conv. Total (cfs)	60.5	Conv. (cfs)		60.5	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		27.36	
Min Ch El (ft)	7080.48	Shear (lb/sq ft)		0.25	
Alpha	1.00	Stream Power (lb/ft s)		0.31	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		0.30	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.94	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3650.00* Profile: Q002

E.G. Elev (ft)	7080.38	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.059	
W.S. Elev (ft)	7080.35	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		6.42	
E.G. Slope (ft/ft)	0.017165	Area (sq ft)		6.42	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	28.15	Top Width (ft)		28.15	
Vel Total (ft/s)	1.23	Avg. Vel. (ft/s)		1.23	
Max Chl Dpth (ft)	0.30	Hydr. Depth (ft)		0.23	
Conv. Total (cfs)	60.3	Conv. (cfs)		60.3	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		28.18	
Min Ch El (ft)	7080.05	Shear (lb/sq ft)		0.24	
Alpha	1.00	Stream Power (lb/ft s)		0.30	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		0.30	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.92	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3625.00* Profile: Q002

E.G. Elev (ft)	7079.95	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.059	
W.S. Elev (ft)	7079.93	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		6.46	
E.G. Slope (ft/ft)	0.017182	Area (sq ft)		6.46	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	28.64	Top Width (ft)		28.64	
Vel Total (ft/s)	1.22	Avg. Vel. (ft/s)		1.22	
Max Chl Dpth (ft)	0.31	Hydr. Depth (ft)		0.23	
Conv. Total (cfs)	60.3	Conv. (cfs)		60.3	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		28.67	
Min Ch El (ft)	7079.62	Shear (lb/sq ft)		0.24	
Alpha	1.00	Stream Power (lb/ft s)		0.30	
Frctn Loss (ft)	0.42	Cum Volume (acre-ft)		0.29	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.91	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3600.00* Profile: Q002

E.G. Elev (ft)	7079.53	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.059	
W.S. Elev (ft)	7079.51	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		6.60	
E.G. Slope (ft/ft)	0.016563	Area (sq ft)		6.60	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	29.39	Top Width (ft)		29.39	
Vel Total (ft/s)	1.20	Avg. Vel. (ft/s)		1.20	
Max Chl Dpth (ft)	0.31	Hydr. Depth (ft)		0.22	
Conv. Total (cfs)	61.4	Conv. (cfs)		61.4	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		29.42	
Min Ch El (ft)	7079.20	Shear (lb/sq ft)		0.23	
Alpha	1.00	Stream Power (lb/ft s)		0.28	
Frctn Loss (ft)	0.44	Cum Volume (acre-ft)		0.29	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.89	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3575.00* Profile: Q002

E.G. Elev (ft)	7079.10	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.059	
W.S. Elev (ft)	7079.07	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		6.47	
E.G. Slope (ft/ft)	0.018339	Area (sq ft)		6.47	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	30.13	Top Width (ft)		30.13	
Vel Total (ft/s)	1.22	Avg. Vel. (ft/s)		1.22	
Max Chl Dpth (ft)	0.30	Hydr. Depth (ft)		0.21	
Conv. Total (cfs)	58.3	Conv. (cfs)		58.3	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		30.15	
Min Ch El (ft)	7078.77	Shear (lb/sq ft)		0.25	
Alpha	1.00	Stream Power (lb/ft s)		0.30	
Frctn Loss (ft)	0.40	Cum Volume (acre-ft)		0.29	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.87	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3550.00* Profile: Q002

E.G. Elev (ft)	7078.69	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.059	
W.S. Elev (ft)	7078.67	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		7.09	
E.G. Slope (ft/ft)	0.014194	Area (sq ft)		7.09	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	31.26	Top Width (ft)		31.26	
Vel Total (ft/s)	1.11	Avg. Vel. (ft/s)		1.11	
Max Chl Dpth (ft)	0.32	Hydr. Depth (ft)		0.23	
Conv. Total (cfs)	66.3	Conv. (cfs)		66.3	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		31.29	
Min Ch El (ft)	7078.35	Shear (lb/sq ft)		0.20	
Alpha	1.00	Stream Power (lb/ft s)		0.22	
Frctn Loss (ft)	0.46	Cum Volume (acre-ft)		0.28	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.86	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3525.00* Profile: Q002

E.G. Elev (ft)	7078.24	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.059	
W.S. Elev (ft)	7078.21	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		6.08	
E.G. Slope (ft/ft)	0.024383	Area (sq ft)		6.08	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	31.97	Top Width (ft)		31.97	
Vel Total (ft/s)	1.30	Avg. Vel. (ft/s)		1.30	
Max Chl Dpth (ft)	0.29	Hydr. Depth (ft)		0.19	
Conv. Total (cfs)	50.6	Conv. (cfs)		50.6	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		31.99	
Min Ch El (ft)	7077.92	Shear (lb/sq ft)		0.29	
Alpha	1.00	Stream Power (lb/ft s)		0.38	
Frctn Loss (ft)	0.44	Cum Volume (acre-ft)		0.28	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.84	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3500 Profile: Q002

E.G. Elev (ft)	7077.79	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.030	
W.S. Elev (ft)	7077.75	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		4.90	
E.G. Slope (ft/ft)	0.013330	Area (sq ft)		4.90	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	32.71	Top Width (ft)		32.71	
Vel Total (ft/s)	1.61	Avg. Vel. (ft/s)		1.61	
Max Chl Dpth (ft)	0.25	Hydr. Depth (ft)		0.15	
Conv. Total (cfs)	68.4	Conv. (cfs)		68.4	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		32.73	
Min Ch El (ft)	7077.50	Shear (lb/sq ft)		0.12	
Alpha	1.00	Stream Power (lb/ft s)		0.20	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		0.28	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.82	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3480.77* Profile: Q002

E.G. Elev (ft)	7077.53	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.030	
W.S. Elev (ft)	7077.49	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		4.77	
E.G. Slope (ft/ft)	0.014582	Area (sq ft)		4.77	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	32.73	Top Width (ft)		32.73	
Vel Total (ft/s)	1.66	Avg. Vel. (ft/s)		1.66	
Max Chl Dpth (ft)	0.25	Hydr. Depth (ft)		0.15	
Conv. Total (cfs)	65.4	Conv. (cfs)		65.4	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		32.74	
Min Ch El (ft)	7077.24	Shear (lb/sq ft)		0.13	
Alpha	1.00	Stream Power (lb/ft s)		0.22	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		0.27	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.80	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3461.54* Profile: Q002

E.G. Elev (ft)	7077.27	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.030	
W.S. Elev (ft)	7077.23	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		4.89	
E.G. Slope (ft/ft)	0.013414	Area (sq ft)		4.89	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	32.68	Top Width (ft)		32.68	
Vel Total (ft/s)	1.62	Avg. Vel. (ft/s)		1.62	
Max Chl Dpth (ft)	0.24	Hydr. Depth (ft)		0.15	
Conv. Total (cfs)	68.2	Conv. (cfs)		68.2	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		32.69	
Min Ch El (ft)	7076.98	Shear (lb/sq ft)		0.13	
Alpha	1.00	Stream Power (lb/ft s)		0.20	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		0.27	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.79	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3442.31* Profile: Q002

E.G. Elev (ft)	7077.00	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.030	
W.S. Elev (ft)	7076.95	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		4.67	
E.G. Slope (ft/ft)	0.015150	Area (sq ft)		4.67	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	31.96	Top Width (ft)		31.96	
Vel Total (ft/s)	1.69	Avg. Vel. (ft/s)		1.69	
Max Chl Dpth (ft)	0.23	Hydr. Depth (ft)		0.15	
Conv. Total (cfs)	64.2	Conv. (cfs)		64.2	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		31.97	
Min Ch El (ft)	7076.72	Shear (lb/sq ft)		0.14	
Alpha	1.00	Stream Power (lb/ft s)		0.23	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)		0.27	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.78	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3423.08* Profile: Q002

E.G. Elev (ft)	7076.73	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.030	
W.S. Elev (ft)	7076.69	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		4.80	
E.G. Slope (ft/ft)	0.013760	Area (sq ft)		4.80	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	31.82	Top Width (ft)		31.82	
Vel Total (ft/s)	1.65	Avg. Vel. (ft/s)		1.65	
Max Chl Dpth (ft)	0.23	Hydr. Depth (ft)		0.15	
Conv. Total (cfs)	67.3	Conv. (cfs)		67.3	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		31.83	
Min Ch El (ft)	7076.45	Shear (lb/sq ft)		0.13	
Alpha	1.00	Stream Power (lb/ft s)		0.21	
Frctn Loss (ft)	0.26	Cum Volume (acre-ft)		0.27	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.76	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3403.85* Profile: Q002

E.G. Elev (ft)	7076.46	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.030	
W.S. Elev (ft)	7076.42	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		4.80	
E.G. Slope (ft/ft)	0.013790	Area (sq ft)		4.80	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	31.91	Top Width (ft)		31.91	
Vel Total (ft/s)	1.65	Avg. Vel. (ft/s)		1.65	
Max Chl Dpth (ft)	0.23	Hydr. Depth (ft)		0.15	
Conv. Total (cfs)	67.3	Conv. (cfs)		67.3	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		31.92	
Min Ch El (ft)	7076.19	Shear (lb/sq ft)		0.13	
Alpha	1.00	Stream Power (lb/ft s)		0.21	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		0.27	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.75	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3384.62* Profile: Q002

E.G. Elev (ft)	7076.20	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.030	
W.S. Elev (ft)	7076.16	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		4.74	
E.G. Slope (ft/ft)	0.014411	Area (sq ft)		4.74	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	32.01	Top Width (ft)		32.01	
Vel Total (ft/s)	1.67	Avg. Vel. (ft/s)		1.67	
Max Chl Dpth (ft)	0.22	Hydr. Depth (ft)		0.15	
Conv. Total (cfs)	65.8	Conv. (cfs)		65.8	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		32.02	
Min Ch El (ft)	7075.93	Shear (lb/sq ft)		0.13	
Alpha	1.00	Stream Power (lb/ft s)		0.22	
Frctn Loss (ft)	0.26	Cum Volume (acre-ft)		0.26	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.73	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3365.39* Profile: Q002

E.G. Elev (ft)	7075.93	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.030	
W.S. Elev (ft)	7075.89	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		4.92	
E.G. Slope (ft/ft)	0.012988	Area (sq ft)		4.92	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	32.39	Top Width (ft)		32.39	
Vel Total (ft/s)	1.61	Avg. Vel. (ft/s)		1.61	
Max Chl Dpth (ft)	0.22	Hydr. Depth (ft)		0.15	
Conv. Total (cfs)	69.3	Conv. (cfs)		69.3	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		32.40	
Min Ch El (ft)	7075.67	Shear (lb/sq ft)		0.12	
Alpha	1.00	Stream Power (lb/ft s)		0.20	
Frctn Loss (ft)	0.26	Cum Volume (acre-ft)		0.26	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.72	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3346.15* Profile: Q002

E.G. Elev (ft)	7075.67	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.030	
W.S. Elev (ft)	7075.62	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		4.77	
E.G. Slope (ft/ft)	0.014550	Area (sq ft)		4.77	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	32.72	Top Width (ft)		32.72	
Vel Total (ft/s)	1.66	Avg. Vel. (ft/s)		1.66	
Max Chl Dpth (ft)	0.21	Hydr. Depth (ft)		0.15	
Conv. Total (cfs)	65.5	Conv. (cfs)		65.5	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		32.73	
Min Ch El (ft)	7075.41	Shear (lb/sq ft)		0.13	
Alpha	1.00	Stream Power (lb/ft s)		0.22	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		0.26	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.71	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3326.92* Profile: Q002

E.G. Elev (ft)	7075.40	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.030	
W.S. Elev (ft)	7075.36	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		4.94	
E.G. Slope (ft/ft)	0.013311	Area (sq ft)		4.94	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	33.40	Top Width (ft)		33.40	
Vel Total (ft/s)	1.60	Avg. Vel. (ft/s)		1.60	
Max Chl Dpth (ft)	0.21	Hydr. Depth (ft)		0.15	
Conv. Total (cfs)	68.5	Conv. (cfs)		68.5	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		33.41	
Min Ch El (ft)	7075.15	Shear (lb/sq ft)		0.12	
Alpha	1.00	Stream Power (lb/ft s)		0.20	
Frctn Loss (ft)	0.26	Cum Volume (acre-ft)		0.26	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.69	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3307.69* Profile: Q002

E.G. Elev (ft)	7075.13	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.030	
W.S. Elev (ft)	7075.09	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		4.89	
E.G. Slope (ft/ft)	0.014181	Area (sq ft)		4.89	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	34.02	Top Width (ft)		34.02	
Vel Total (ft/s)	1.62	Avg. Vel. (ft/s)		1.62	
Max Chl Dpth (ft)	0.21	Hydr. Depth (ft)		0.14	
Conv. Total (cfs)	66.3	Conv. (cfs)		66.3	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		34.03	
Min Ch El (ft)	7074.88	Shear (lb/sq ft)		0.13	
Alpha	1.00	Stream Power (lb/ft s)		0.21	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		0.25	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.68	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3288.46* Profile: Q002

E.G. Elev (ft)	7074.86	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.030	
W.S. Elev (ft)	7074.83	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		5.03	
E.G. Slope (ft/ft)	0.013717	Area (sq ft)		5.03	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	35.62	Top Width (ft)		35.62	
Vel Total (ft/s)	1.57	Avg. Vel. (ft/s)		1.57	
Max Chl Dpth (ft)	0.20	Hydr. Depth (ft)		0.14	
Conv. Total (cfs)	67.5	Conv. (cfs)		67.5	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		35.63	
Min Ch El (ft)	7074.62	Shear (lb/sq ft)		0.12	
Alpha	1.00	Stream Power (lb/ft s)		0.19	
Frctn Loss (ft)	0.26	Cum Volume (acre-ft)		0.25	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.66	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3269.23* Profile: Q002

E.G. Elev (ft)	7074.60	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.030	
W.S. Elev (ft)	7074.56	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		5.32	
E.G. Slope (ft/ft)	0.013133	Area (sq ft)		5.32	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	39.66	Top Width (ft)		39.66	
Vel Total (ft/s)	1.49	Avg. Vel. (ft/s)		1.49	
Max Chl Dpth (ft)	0.20	Hydr. Depth (ft)		0.13	
Conv. Total (cfs)	68.9	Conv. (cfs)		68.9	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		39.67	
Min Ch El (ft)	7074.36	Shear (lb/sq ft)		0.11	
Alpha	1.00	Stream Power (lb/ft s)		0.16	
Frctn Loss (ft)	0.29	Cum Volume (acre-ft)		0.25	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.64	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3250 Profile: Q002

E.G. Elev (ft)	7074.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.030	
W.S. Elev (ft)	7074.27	Reach Len. (ft)	15.00	15.00	15.00
Crit W.S. (ft)		Flow Area (sq ft)		4.90	
E.G. Slope (ft/ft)	0.017844	Area (sq ft)		4.90	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	40.62	Top Width (ft)		40.62	
Vel Total (ft/s)	1.61	Avg. Vel. (ft/s)		1.61	
Max Chl Dpth (ft)	0.17	Hydr. Depth (ft)		0.12	
Conv. Total (cfs)	59.1	Conv. (cfs)		59.1	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		40.64	
Min Ch El (ft)	7074.10	Shear (lb/sq ft)		0.13	
Alpha	1.00	Stream Power (lb/ft s)		0.22	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)		0.25	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.63	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3235.00* Profile: Q002

E.G. Elev (ft)	7074.04	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.030	
W.S. Elev (ft)	7073.99	Reach Len. (ft)	15.00	15.00	15.00
Crit W.S. (ft)	7073.98	Flow Area (sq ft)		4.72	
E.G. Slope (ft/ft)	0.019649	Area (sq ft)		4.72	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	39.90	Top Width (ft)		39.90	
Vel Total (ft/s)	1.67	Avg. Vel. (ft/s)		1.67	
Max Chl Dpth (ft)	0.17	Hydr. Depth (ft)		0.12	
Conv. Total (cfs)	56.4	Conv. (cfs)		56.4	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		39.91	
Min Ch El (ft)	7073.82	Shear (lb/sq ft)		0.15	
Alpha	1.00	Stream Power (lb/ft s)		0.24	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)		0.25	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.61	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3220.00* Profile: Q002

E.G. Elev (ft)	7073.76	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.030	
W.S. Elev (ft)	7073.72	Reach Len. (ft)	15.00	15.00	15.00
Crit W.S. (ft)		Flow Area (sq ft)		4.80	
E.G. Slope (ft/ft)	0.017982	Area (sq ft)		4.80	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	38.90	Top Width (ft)		38.90	
Vel Total (ft/s)	1.65	Avg. Vel. (ft/s)		1.65	
Max Chl Dpth (ft)	0.18	Hydr. Depth (ft)		0.12	
Conv. Total (cfs)	58.9	Conv. (cfs)		58.9	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		38.91	
Min Ch El (ft)	7073.54	Shear (lb/sq ft)		0.14	
Alpha	1.00	Stream Power (lb/ft s)		0.23	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)		0.24	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.60	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3205.00* Profile: Q002

E.G. Elev (ft)	7073.48	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.030	
W.S. Elev (ft)	7073.43	Reach Len. (ft)	15.00	15.00	15.00
Crit W.S. (ft)	7073.42	Flow Area (sq ft)		4.58	
E.G. Slope (ft/ft)	0.020075	Area (sq ft)		4.58	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	37.61	Top Width (ft)		37.61	
Vel Total (ft/s)	1.72	Avg. Vel. (ft/s)		1.72	
Max Chl Dpth (ft)	0.17	Hydr. Depth (ft)		0.12	
Conv. Total (cfs)	55.8	Conv. (cfs)		55.8	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		37.62	
Min Ch El (ft)	7073.26	Shear (lb/sq ft)		0.15	
Alpha	1.00	Stream Power (lb/ft s)		0.26	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)		0.24	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.59	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3190.00* Profile: Q002

E.G. Elev (ft)	7073.20	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.030	
W.S. Elev (ft)	7073.16	Reach Len. (ft)	15.00	15.00	15.00
Crit W.S. (ft)		Flow Area (sq ft)		4.77	
E.G. Slope (ft/ft)	0.017107	Area (sq ft)		4.77	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	36.86	Top Width (ft)		36.86	
Vel Total (ft/s)	1.66	Avg. Vel. (ft/s)		1.66	
Max Chl Dpth (ft)	0.18	Hydr. Depth (ft)		0.13	
Conv. Total (cfs)	60.4	Conv. (cfs)		60.4	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		36.86	
Min Ch El (ft)	7072.98	Shear (lb/sq ft)		0.14	
Alpha	1.00	Stream Power (lb/ft s)		0.23	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)		0.24	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.57	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3175.00* Profile: Q002

E.G. Elev (ft)	7072.92	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.030	
W.S. Elev (ft)	7072.88	Reach Len. (ft)	15.00	15.00	15.00
Crit W.S. (ft)	7072.86	Flow Area (sq ft)		4.44	
E.G. Slope (ft/ft)	0.021021	Area (sq ft)		4.44	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	36.02	Top Width (ft)		36.02	
Vel Total (ft/s)	1.78	Avg. Vel. (ft/s)		1.78	
Max Chl Dpth (ft)	0.17	Hydr. Depth (ft)		0.12	
Conv. Total (cfs)	54.5	Conv. (cfs)		54.5	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		36.03	
Min Ch El (ft)	7072.70	Shear (lb/sq ft)		0.16	
Alpha	1.00	Stream Power (lb/ft s)		0.29	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)		0.24	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.56	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3160.00* Profile: Q002

E.G. Elev (ft)	7072.65	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.030	
W.S. Elev (ft)	7072.61	Reach Len. (ft)	15.00	15.00	15.00
Crit W.S. (ft)		Flow Area (sq ft)		4.78	
E.G. Slope (ft/ft)	0.016246	Area (sq ft)		4.78	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	35.65	Top Width (ft)		35.65	
Vel Total (ft/s)	1.65	Avg. Vel. (ft/s)		1.65	
Max Chl Dpth (ft)	0.19	Hydr. Depth (ft)		0.13	
Conv. Total (cfs)	62.0	Conv. (cfs)		62.0	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		35.66	
Min Ch El (ft)	7072.42	Shear (lb/sq ft)		0.14	
Alpha	1.00	Stream Power (lb/ft s)		0.22	
Frctn Loss (ft)	0.29	Cum Volume (acre-ft)		0.24	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.55	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3145.00* Profile: Q002

E.G. Elev (ft)	7072.37	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.030	
W.S. Elev (ft)	7072.32	Reach Len. (ft)	15.00	15.00	15.00
Crit W.S. (ft)	7072.31	Flow Area (sq ft)		4.27	
E.G. Slope (ft/ft)	0.023093	Area (sq ft)		4.27	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	34.94	Top Width (ft)		34.94	
Vel Total (ft/s)	1.85	Avg. Vel. (ft/s)		1.85	
Max Chl Dpth (ft)	0.18	Hydr. Depth (ft)		0.12	
Conv. Total (cfs)	52.0	Conv. (cfs)		52.0	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		34.95	
Min Ch El (ft)	7072.14	Shear (lb/sq ft)		0.18	
Alpha	1.00	Stream Power (lb/ft s)		0.33	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		0.24	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.54	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3130.00* Profile: Q002

E.G. Elev (ft)	7072.09	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.030	
W.S. Elev (ft)	7072.05	Reach Len. (ft)	15.00	15.00	15.00
Crit W.S. (ft)	7072.03	Flow Area (sq ft)		4.85	
E.G. Slope (ft/ft)	0.014846	Area (sq ft)		4.85	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	34.54	Top Width (ft)		34.54	
Vel Total (ft/s)	1.63	Avg. Vel. (ft/s)		1.63	
Max Chl Dpth (ft)	0.19	Hydr. Depth (ft)		0.14	
Conv. Total (cfs)	64.8	Conv. (cfs)		64.8	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		34.55	
Min Ch El (ft)	7071.86	Shear (lb/sq ft)		0.13	
Alpha	1.00	Stream Power (lb/ft s)		0.21	
Frctn Loss (ft)	0.29	Cum Volume (acre-ft)		0.24	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.52	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3115.00* Profile: Q002

E.G. Elev (ft)	7071.81	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.06	Wt. n-Val.		0.030	
W.S. Elev (ft)	7071.75	Reach Len. (ft)	15.00	15.00	15.00
Crit W.S. (ft)	7071.75	Flow Area (sq ft)		4.07	
E.G. Slope (ft/ft)	0.025798	Area (sq ft)		4.07	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	33.75	Top Width (ft)		33.75	
Vel Total (ft/s)	1.94	Avg. Vel. (ft/s)		1.94	
Max Chl Dpth (ft)	0.17	Hydr. Depth (ft)		0.12	
Conv. Total (cfs)	49.2	Conv. (cfs)		49.2	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		33.77	
Min Ch El (ft)	7071.58	Shear (lb/sq ft)		0.19	
Alpha	1.00	Stream Power (lb/ft s)		0.38	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		0.23	0.00
C & E Loss (ft)	0.01	Cum SA (acres)		1.51	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3100 Profile: Q002

E.G. Elev (ft)	7071.54	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.030	
W.S. Elev (ft)	7071.50	Reach Len. (ft)	18.66	14.84	8.66
Crit W.S. (ft)		Flow Area (sq ft)		4.98	
E.G. Slope (ft/ft)	0.013053	Area (sq ft)		4.98	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	33.50	Top Width (ft)		33.50	
Vel Total (ft/s)	1.59	Avg. Vel. (ft/s)		1.59	
Max Chl Dpth (ft)	0.20	Hydr. Depth (ft)		0.15	
Conv. Total (cfs)	69.1	Conv. (cfs)		69.1	
Length Wtd. (ft)	14.84	Wetted Per. (ft)		33.52	
Min Ch El (ft)	7071.30	Shear (lb/sq ft)		0.12	
Alpha	1.00	Stream Power (lb/ft s)		0.19	
Frctn Loss (ft)	0.21	Cum Volume (acre-ft)		0.23	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.50	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3085.17* Profile: Q002

E.G. Elev (ft)	7071.33	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.030	
W.S. Elev (ft)	7071.29	Reach Len. (ft)	18.66	14.84	8.66
Crit W.S. (ft)		Flow Area (sq ft)		4.67	
E.G. Slope (ft/ft)	0.015189	Area (sq ft)		4.67	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	32.04	Top Width (ft)		32.04	
Vel Total (ft/s)	1.69	Avg. Vel. (ft/s)		1.69	
Max Chl Dpth (ft)	0.21	Hydr. Depth (ft)		0.15	
Conv. Total (cfs)	64.1	Conv. (cfs)		64.1	
Length Wtd. (ft)	14.84	Wetted Per. (ft)		32.05	
Min Ch El (ft)	7071.08	Shear (lb/sq ft)		0.14	
Alpha	1.00	Stream Power (lb/ft s)		0.23	
Frctn Loss (ft)	0.22	Cum Volume (acre-ft)		0.23	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.49	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3070.33* Profile: Q002

E.G. Elev (ft)	7071.12	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.030	
W.S. Elev (ft)	7071.08	Reach Len. (ft)	18.66	14.84	8.66
Crit W.S. (ft)		Flow Area (sq ft)		4.71	
E.G. Slope (ft/ft)	0.014079	Area (sq ft)		4.71	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	30.94	Top Width (ft)		30.94	
Vel Total (ft/s)	1.68	Avg. Vel. (ft/s)		1.68	
Max Chl Dpth (ft)	0.21	Hydr. Depth (ft)		0.15	
Conv. Total (cfs)	66.6	Conv. (cfs)		66.6	
Length Wtd. (ft)	14.84	Wetted Per. (ft)		30.95	
Min Ch El (ft)	7070.87	Shear (lb/sq ft)		0.13	
Alpha	1.00	Stream Power (lb/ft s)		0.22	
Frctn Loss (ft)	0.23	Cum Volume (acre-ft)		0.23	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.48	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3055.50* Profile: Q002

E.G. Elev (ft)	7070.90	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.030	
W.S. Elev (ft)	7070.85	Reach Len. (ft)	18.66	14.84	8.66
Crit W.S. (ft)		Flow Area (sq ft)		4.51	
E.G. Slope (ft/ft)	0.016428	Area (sq ft)		4.51	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	31.14	Top Width (ft)		31.14	
Vel Total (ft/s)	1.75	Avg. Vel. (ft/s)		1.75	
Max Chl Dpth (ft)	0.20	Hydr. Depth (ft)		0.14	
Conv. Total (cfs)	61.6	Conv. (cfs)		61.6	
Length Wtd. (ft)	14.84	Wetted Per. (ft)		31.15	
Min Ch El (ft)	7070.65	Shear (lb/sq ft)		0.15	
Alpha	1.00	Stream Power (lb/ft s)		0.26	
Frctn Loss (ft)	0.22	Cum Volume (acre-ft)		0.23	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.47	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3040.67* Profile: Q002

E.G. Elev (ft)	7070.68	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.030	
W.S. Elev (ft)	7070.64	Reach Len. (ft)	18.66	14.84	8.66
Crit W.S. (ft)		Flow Area (sq ft)		4.92	
E.G. Slope (ft/ft)	0.013134	Area (sq ft)		4.92	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	32.66	Top Width (ft)		32.66	
Vel Total (ft/s)	1.61	Avg. Vel. (ft/s)		1.61	
Max Chl Dpth (ft)	0.21	Hydr. Depth (ft)		0.15	
Conv. Total (cfs)	68.9	Conv. (cfs)		68.9	
Length Wtd. (ft)	14.84	Wetted Per. (ft)		32.67	
Min Ch El (ft)	7070.43	Shear (lb/sq ft)		0.12	
Alpha	1.00	Stream Power (lb/ft s)		0.20	
Frctn Loss (ft)	0.23	Cum Volume (acre-ft)		0.23	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.46	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3025.83* Profile: Q002

E.G. Elev (ft)	7070.45	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.030	
W.S. Elev (ft)	7070.41	Reach Len. (ft)	18.67	14.83	8.67
Crit W.S. (ft)	7070.39	Flow Area (sq ft)		4.54	
E.G. Slope (ft/ft)	0.018691	Area (sq ft)		4.54	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	34.77	Top Width (ft)		34.77	
Vel Total (ft/s)	1.74	Avg. Vel. (ft/s)		1.74	
Max Chl Dpth (ft)	0.19	Hydr. Depth (ft)		0.13	
Conv. Total (cfs)	57.8	Conv. (cfs)		57.8	
Length Wtd. (ft)	14.83	Wetted Per. (ft)		34.78	
Min Ch El (ft)	7070.22	Shear (lb/sq ft)		0.15	
Alpha	1.00	Stream Power (lb/ft s)		0.27	
Frctn Loss (ft)	0.22	Cum Volume (acre-ft)		0.22	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.45	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 3011 Profile: Q002

E.G. Elev (ft)	7070.23	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.030	
W.S. Elev (ft)	7070.20	Reach Len. (ft)	26.50	31.00	33.50
Crit W.S. (ft)		Flow Area (sq ft)		5.26	
E.G. Slope (ft/ft)	0.012130	Area (sq ft)		5.26	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	36.33	Top Width (ft)		36.33	
Vel Total (ft/s)	1.50	Avg. Vel. (ft/s)		1.50	
Max Chl Dpth (ft)	0.20	Hydr. Depth (ft)		0.14	
Conv. Total (cfs)	71.7	Conv. (cfs)		71.7	
Length Wtd. (ft)	31.00	Wetted Per. (ft)		36.35	
Min Ch El (ft)	7070.00	Shear (lb/sq ft)		0.11	
Alpha	1.00	Stream Power (lb/ft s)		0.16	
Frctn Loss (ft)	0.44	Cum Volume (acre-ft)		0.22	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.43	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2980.00* Profile: Q002

E.G. Elev (ft)	7069.79	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.030	
W.S. Elev (ft)	7069.75	Reach Len. (ft)	26.50	31.00	33.50
Crit W.S. (ft)		Flow Area (sq ft)		4.49	
E.G. Slope (ft/ft)	0.017194	Area (sq ft)		4.49	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	31.86	Top Width (ft)		31.86	
Vel Total (ft/s)	1.76	Avg. Vel. (ft/s)		1.76	
Max Chl Dpth (ft)	0.20	Hydr. Depth (ft)		0.14	
Conv. Total (cfs)	60.2	Conv. (cfs)		60.2	
Length Wtd. (ft)	31.00	Wetted Per. (ft)		31.87	
Min Ch El (ft)	7069.55	Shear (lb/sq ft)		0.15	
Alpha	1.00	Stream Power (lb/ft s)		0.27	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		0.22	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.41	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2949.00* Profile: Q002

E.G. Elev (ft)	7069.36	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.030	
W.S. Elev (ft)	7069.32	Reach Len. (ft)	26.50	31.00	33.50
Crit W.S. (ft)		Flow Area (sq ft)		4.97	
E.G. Slope (ft/ft)	0.011522	Area (sq ft)		4.97	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	30.37	Top Width (ft)		30.37	
Vel Total (ft/s)	1.59	Avg. Vel. (ft/s)		1.59	
Max Chl Dpth (ft)	0.22	Hydr. Depth (ft)		0.16	
Conv. Total (cfs)	73.6	Conv. (cfs)		73.6	
Length Wtd. (ft)	31.00	Wetted Per. (ft)		30.38	
Min Ch El (ft)	7069.10	Shear (lb/sq ft)		0.12	
Alpha	1.00	Stream Power (lb/ft s)		0.19	
Frctn Loss (ft)	0.47	Cum Volume (acre-ft)		0.22	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.39	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2918.00* Profile: Q002

E.G. Elev (ft)	7068.90	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.030	
W.S. Elev (ft)	7068.84	Reach Len. (ft)	26.50	31.00	33.50
Crit W.S. (ft)	7068.82	Flow Area (sq ft)		4.21	
E.G. Slope (ft/ft)	0.020813	Area (sq ft)		4.21	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	31.22	Top Width (ft)		31.22	
Vel Total (ft/s)	1.88	Avg. Vel. (ft/s)		1.88	
Max Chl Dpth (ft)	0.19	Hydr. Depth (ft)		0.13	
Conv. Total (cfs)	54.8	Conv. (cfs)		54.8	
Length Wtd. (ft)	31.00	Wetted Per. (ft)		31.24	
Min Ch El (ft)	7068.65	Shear (lb/sq ft)		0.18	
Alpha	1.00	Stream Power (lb/ft s)		0.33	
Frctn Loss (ft)	0.49	Cum Volume (acre-ft)		0.21	0.00
C & E Loss (ft)	0.01	Cum SA (acres)		1.36	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2887 Profile: Q002

E.G. Elev (ft)	7068.41	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.030	
W.S. Elev (ft)	7068.38	Reach Len. (ft)	31.40	29.40	30.40
Crit W.S. (ft)		Flow Area (sq ft)		5.71	
E.G. Slope (ft/ft)	0.012434	Area (sq ft)		5.71	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	45.57	Top Width (ft)		45.57	
Vel Total (ft/s)	1.38	Avg. Vel. (ft/s)		1.38	
Max Chl Dpth (ft)	0.18	Hydr. Depth (ft)		0.13	
Conv. Total (cfs)	70.8	Conv. (cfs)		70.8	
Length Wtd. (ft)	29.40	Wetted Per. (ft)		45.60	
Min Ch El (ft)	7068.20	Shear (lb/sq ft)		0.10	
Alpha	1.00	Stream Power (lb/ft s)		0.13	
Frctn Loss (ft)	0.40	Cum Volume (acre-ft)		0.21	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.34	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2857.60* Profile: Q002

E.G. Elev (ft)	7068.01	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.030	
W.S. Elev (ft)	7067.98	Reach Len. (ft)	31.40	29.40	30.40
Crit W.S. (ft)		Flow Area (sq ft)		5.34	
E.G. Slope (ft/ft)	0.015342	Area (sq ft)		5.34	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	45.11	Top Width (ft)		45.11	
Vel Total (ft/s)	1.48	Avg. Vel. (ft/s)		1.48	
Max Chl Dpth (ft)	0.22	Hydr. Depth (ft)		0.12	
Conv. Total (cfs)	63.8	Conv. (cfs)		63.8	
Length Wtd. (ft)	29.40	Wetted Per. (ft)		45.12	
Min Ch El (ft)	7067.76	Shear (lb/sq ft)		0.11	
Alpha	1.00	Stream Power (lb/ft s)		0.17	
Frctn Loss (ft)	0.42	Cum Volume (acre-ft)		0.20	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.31	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2828.20* Profile: Q002

E.G. Elev (ft)	7067.59	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.030	
W.S. Elev (ft)	7067.55	Reach Len. (ft)	31.40	29.40	30.40
Crit W.S. (ft)	7067.51	Flow Area (sq ft)		4.87	
E.G. Slope (ft/ft)	0.013479	Area (sq ft)		4.87	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	32.48	Top Width (ft)		32.48	
Vel Total (ft/s)	1.62	Avg. Vel. (ft/s)		1.62	
Max Chl Dpth (ft)	0.23	Hydr. Depth (ft)		0.15	
Conv. Total (cfs)	68.0	Conv. (cfs)		68.0	
Length Wtd. (ft)	29.40	Wetted Per. (ft)		32.48	
Min Ch El (ft)	7067.32	Shear (lb/sq ft)		0.13	
Alpha	1.00	Stream Power (lb/ft s)		0.20	
Frctn Loss (ft)	0.46	Cum Volume (acre-ft)		0.20	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.28	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2798.80* Profile: Q002

E.G. Elev (ft)	7067.13	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.030	
W.S. Elev (ft)	7067.08	Reach Len. (ft)	31.40	29.40	30.40
Crit W.S. (ft)	7067.07	Flow Area (sq ft)		4.34	
E.G. Slope (ft/ft)	0.018675	Area (sq ft)		4.34	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	31.18	Top Width (ft)		31.18	
Vel Total (ft/s)	1.82	Avg. Vel. (ft/s)		1.82	
Max Chl Dpth (ft)	0.20	Hydr. Depth (ft)		0.14	
Conv. Total (cfs)	57.8	Conv. (cfs)		57.8	
Length Wtd. (ft)	29.40	Wetted Per. (ft)		31.18	
Min Ch El (ft)	7066.88	Shear (lb/sq ft)		0.16	
Alpha	1.00	Stream Power (lb/ft s)		0.30	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		0.20	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.26	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2769.40* Profile: Q002

E.G. Elev (ft)	7066.70	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.030	
W.S. Elev (ft)	7066.66	Reach Len. (ft)	31.40	29.40	30.40
Crit W.S. (ft)	7066.62	Flow Area (sq ft)		5.15	
E.G. Slope (ft/ft)	0.011891	Area (sq ft)		5.15	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	34.00	Top Width (ft)		34.00	
Vel Total (ft/s)	1.53	Avg. Vel. (ft/s)		1.53	
Max Chl Dpth (ft)	0.22	Hydr. Depth (ft)		0.15	
Conv. Total (cfs)	72.4	Conv. (cfs)		72.4	
Length Wtd. (ft)	29.40	Wetted Per. (ft)		34.01	
Min Ch El (ft)	7066.44	Shear (lb/sq ft)		0.11	
Alpha	1.00	Stream Power (lb/ft s)		0.17	
Frctn Loss (ft)	0.46	Cum Volume (acre-ft)		0.20	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.24	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2740 Profile: Q002

E.G. Elev (ft)	7066.24	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.030	
W.S. Elev (ft)	7066.19	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)	7066.18	Flow Area (sq ft)		4.36	
E.G. Slope (ft/ft)	0.021325	Area (sq ft)		4.36	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	34.77	Top Width (ft)		34.77	
Vel Total (ft/s)	1.81	Avg. Vel. (ft/s)		1.81	
Max Chl Dpth (ft)	0.19	Hydr. Depth (ft)		0.13	
Conv. Total (cfs)	54.1	Conv. (cfs)		54.1	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		34.77	
Min Ch El (ft)	7066.00	Shear (lb/sq ft)		0.17	
Alpha	1.00	Stream Power (lb/ft s)		0.30	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		0.19	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.21	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2720.00* Profile: Q002

E.G. Elev (ft)	7065.82	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.030	
W.S. Elev (ft)	7065.76	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)	7065.75	Flow Area (sq ft)		4.26	
E.G. Slope (ft/ft)	0.021766	Area (sq ft)		4.26	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	33.29	Top Width (ft)		33.29	
Vel Total (ft/s)	1.86	Avg. Vel. (ft/s)		1.86	
Max Chl Dpth (ft)	0.19	Hydr. Depth (ft)		0.13	
Conv. Total (cfs)	53.5	Conv. (cfs)		53.5	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		33.30	
Min Ch El (ft)	7065.57	Shear (lb/sq ft)		0.17	
Alpha	1.00	Stream Power (lb/ft s)		0.32	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		0.19	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.20	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2700.00* Profile: Q002

E.G. Elev (ft)	7065.39	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.030	
W.S. Elev (ft)	7065.34	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)	7065.33	Flow Area (sq ft)		4.20	
E.G. Slope (ft/ft)	0.021502	Area (sq ft)		4.20	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	31.86	Top Width (ft)		31.86	
Vel Total (ft/s)	1.88	Avg. Vel. (ft/s)		1.88	
Max Chl Dpth (ft)	0.21	Hydr. Depth (ft)		0.13	
Conv. Total (cfs)	53.9	Conv. (cfs)		53.9	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		31.86	
Min Ch El (ft)	7065.13	Shear (lb/sq ft)		0.18	
Alpha	1.00	Stream Power (lb/ft s)		0.33	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		0.19	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.18	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2680.00* Profile: Q002

E.G. Elev (ft)	7064.97	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.06	Wt. n-Val.		0.030	
W.S. Elev (ft)	7064.91	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)	7064.90	Flow Area (sq ft)		4.15	
E.G. Slope (ft/ft)	0.021121	Area (sq ft)		4.15	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	30.42	Top Width (ft)		30.42	
Vel Total (ft/s)	1.91	Avg. Vel. (ft/s)		1.91	
Max Chl Dpth (ft)	0.21	Hydr. Depth (ft)		0.14	
Conv. Total (cfs)	54.4	Conv. (cfs)		54.4	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		30.42	
Min Ch El (ft)	7064.70	Shear (lb/sq ft)		0.18	
Alpha	1.00	Stream Power (lb/ft s)		0.34	
Frctn Loss (ft)	0.42	Cum Volume (acre-ft)		0.19	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.17	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2660.00* Profile: Q002

E.G. Elev (ft)	7064.55	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.06	Wt. n-Val.		0.030	
W.S. Elev (ft)	7064.49	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)	7064.48	Flow Area (sq ft)		4.06	
E.G. Slope (ft/ft)	0.021163	Area (sq ft)		4.06	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	28.87	Top Width (ft)		28.87	
Vel Total (ft/s)	1.95	Avg. Vel. (ft/s)		1.95	
Max Chl Dpth (ft)	0.22	Hydr. Depth (ft)		0.14	
Conv. Total (cfs)	54.3	Conv. (cfs)		54.3	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		28.87	
Min Ch El (ft)	7064.27	Shear (lb/sq ft)		0.19	
Alpha	1.00	Stream Power (lb/ft s)		0.36	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		0.18	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.16	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2640.00* Profile: Q002

E.G. Elev (ft)	7064.12	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.06	Wt. n-Val.		0.030	
W.S. Elev (ft)	7064.06	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)	7064.05	Flow Area (sq ft)		3.92	
E.G. Slope (ft/ft)	0.021690	Area (sq ft)		3.92	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	26.96	Top Width (ft)		26.96	
Vel Total (ft/s)	2.02	Avg. Vel. (ft/s)		2.02	
Max Chl Dpth (ft)	0.23	Hydr. Depth (ft)		0.15	
Conv. Total (cfs)	53.6	Conv. (cfs)		53.6	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		26.97	
Min Ch El (ft)	7063.83	Shear (lb/sq ft)		0.20	
Alpha	1.00	Stream Power (lb/ft s)		0.40	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		0.18	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.14	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2620.00* Profile: Q002

E.G. Elev (ft)	7063.70	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.06	Wt. n-Val.		0.030	
W.S. Elev (ft)	7063.64	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)	7063.63	Flow Area (sq ft)		3.88	
E.G. Slope (ft/ft)	0.021095	Area (sq ft)		3.88	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	25.81	Top Width (ft)		25.81	
Vel Total (ft/s)	2.03	Avg. Vel. (ft/s)		2.03	
Max Chl Dpth (ft)	0.24	Hydr. Depth (ft)		0.15	
Conv. Total (cfs)	54.4	Conv. (cfs)		54.4	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		25.82	
Min Ch El (ft)	7063.40	Shear (lb/sq ft)		0.20	
Alpha	1.00	Stream Power (lb/ft s)		0.40	
Frctn Loss (ft)	0.42	Cum Volume (acre-ft)		0.18	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.13	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2600.00* Profile: Q002

E.G. Elev (ft)	7063.28	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.07	Wt. n-Val.		0.030	
W.S. Elev (ft)	7063.22	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)	7063.21	Flow Area (sq ft)		3.80	
E.G. Slope (ft/ft)	0.021303	Area (sq ft)		3.80	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	24.68	Top Width (ft)		24.68	
Vel Total (ft/s)	2.08	Avg. Vel. (ft/s)		2.08	
Max Chl Dpth (ft)	0.25	Hydr. Depth (ft)		0.15	
Conv. Total (cfs)	54.1	Conv. (cfs)		54.1	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		24.69	
Min Ch El (ft)	7062.97	Shear (lb/sq ft)		0.20	
Alpha	1.00	Stream Power (lb/ft s)		0.43	
Frctn Loss (ft)	0.42	Cum Volume (acre-ft)		0.18	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.12	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2580.00* Profile: Q002

E.G. Elev (ft)	7062.86	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.07	Wt. n-Val.		0.030	
W.S. Elev (ft)	7062.79	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)	7062.78	Flow Area (sq ft)		3.73	
E.G. Slope (ft/ft)	0.021070	Area (sq ft)		3.73	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	23.40	Top Width (ft)		23.40	
Vel Total (ft/s)	2.12	Avg. Vel. (ft/s)		2.12	
Max Chl Dpth (ft)	0.26	Hydr. Depth (ft)		0.16	
Conv. Total (cfs)	54.4	Conv. (cfs)		54.4	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		23.40	
Min Ch El (ft)	7062.53	Shear (lb/sq ft)		0.21	
Alpha	1.00	Stream Power (lb/ft s)		0.44	
Frctn Loss (ft)	0.41	Cum Volume (acre-ft)		0.18	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.11	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2560.00* Profile: Q002

E.G. Elev (ft)	7062.45	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.06	Wt. n-Val.		0.030	
W.S. Elev (ft)	7062.39	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)	7062.37	Flow Area (sq ft)		3.99	
E.G. Slope (ft/ft)	0.020092	Area (sq ft)		3.99	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	26.59	Top Width (ft)		26.59	
Vel Total (ft/s)	1.98	Avg. Vel. (ft/s)		1.98	
Max Chl Dpth (ft)	0.29	Hydr. Depth (ft)		0.15	
Conv. Total (cfs)	55.7	Conv. (cfs)		55.7	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		26.61	
Min Ch El (ft)	7062.10	Shear (lb/sq ft)		0.19	
Alpha	1.00	Stream Power (lb/ft s)		0.37	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		0.18	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.10	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2540.00* Profile: Q002

E.G. Elev (ft)	7062.03	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.06	Wt. n-Val.		0.030	
W.S. Elev (ft)	7061.97	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)	7061.96	Flow Area (sq ft)		4.14	
E.G. Slope (ft/ft)	0.022824	Area (sq ft)		4.14	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	32.21	Top Width (ft)		32.21	
Vel Total (ft/s)	1.91	Avg. Vel. (ft/s)		1.91	
Max Chl Dpth (ft)	0.30	Hydr. Depth (ft)		0.13	
Conv. Total (cfs)	52.3	Conv. (cfs)		52.3	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		32.22	
Min Ch El (ft)	7061.67	Shear (lb/sq ft)		0.18	
Alpha	1.00	Stream Power (lb/ft s)		0.35	
Frctn Loss (ft)	0.41	Cum Volume (acre-ft)		0.17	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.08	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2520.00* Profile: Q002

E.G. Elev (ft)	7061.61	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.06	Wt. n-Val.		0.030	
W.S. Elev (ft)	7061.55	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)	7061.54	Flow Area (sq ft)		4.17	
E.G. Slope (ft/ft)	0.018912	Area (sq ft)		4.17	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	28.45	Top Width (ft)		28.45	
Vel Total (ft/s)	1.89	Avg. Vel. (ft/s)		1.89	
Max Chl Dpth (ft)	0.32	Hydr. Depth (ft)		0.15	
Conv. Total (cfs)	57.4	Conv. (cfs)		57.4	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		28.46	
Min Ch El (ft)	7061.23	Shear (lb/sq ft)		0.17	
Alpha	1.00	Stream Power (lb/ft s)		0.33	
Frctn Loss (ft)	0.41	Cum Volume (acre-ft)		0.17	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.07	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2500 Profile: Q002

E.G. Elev (ft)	7061.20	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.		0.030	
W.S. Elev (ft)	7061.12	Reach Len. (ft)	28.67	29.00	29.33
Crit W.S. (ft)	7061.12	Flow Area (sq ft)		3.54	
E.G. Slope (ft/ft)	0.022833	Area (sq ft)		3.54	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	21.69	Top Width (ft)		21.69	
Vel Total (ft/s)	2.23	Avg. Vel. (ft/s)		2.23	
Max Chl Dpth (ft)	0.32	Hydr. Depth (ft)		0.16	
Conv. Total (cfs)	52.3	Conv. (cfs)		52.3	
Length Wtd. (ft)	29.00	Wetted Per. (ft)		21.71	
Min Ch El (ft)	7060.80	Shear (lb/sq ft)		0.23	
Alpha	1.00	Stream Power (lb/ft s)		0.52	
Frctn Loss (ft)	0.65	Cum Volume (acre-ft)		0.17	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.06	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2471.00* Profile: Q002

E.G. Elev (ft)	7060.55	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.		0.030	
W.S. Elev (ft)	7060.48	Reach Len. (ft)	28.67	29.00	29.33
Crit W.S. (ft)	7060.47	Flow Area (sq ft)		3.57	
E.G. Slope (ft/ft)	0.022152	Area (sq ft)		3.57	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	21.68	Top Width (ft)		21.68	
Vel Total (ft/s)	2.21	Avg. Vel. (ft/s)		2.21	
Max Chl Dpth (ft)	0.33	Hydr. Depth (ft)		0.16	
Conv. Total (cfs)	53.1	Conv. (cfs)		53.1	
Length Wtd. (ft)	29.00	Wetted Per. (ft)		21.70	
Min Ch El (ft)	7060.15	Shear (lb/sq ft)		0.23	
Alpha	1.00	Stream Power (lb/ft s)		0.50	
Frctn Loss (ft)	0.66	Cum Volume (acre-ft)		0.17	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.04	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2442.00* Profile: Q002

E.G. Elev (ft)	7059.90	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.		0.030	0.000
W.S. Elev (ft)	7059.82	Reach Len. (ft)	28.67	29.00	29.33
Crit W.S. (ft)	7059.82	Flow Area (sq ft)		3.41	0.00
E.G. Slope (ft/ft)	0.023465	Area (sq ft)		3.41	0.00
Q Total (cfs)	7.90	Flow (cfs)		7.90	0.00
Top Width (ft)	20.33	Top Width (ft)		20.27	0.06
Vel Total (ft/s)	2.31	Avg. Vel. (ft/s)		2.31	0.15
Max Chl Dpth (ft)	0.31	Hydr. Depth (ft)		0.17	0.01
Conv. Total (cfs)	51.6	Conv. (cfs)		51.6	0.0
Length Wtd. (ft)	29.00	Wetted Per. (ft)		20.28	0.06
Min Ch El (ft)	7059.50	Shear (lb/sq ft)		0.25	
Alpha	1.00	Stream Power (lb/ft s)		0.57	
Frctn Loss (ft)	0.65	Cum Volume (acre-ft)		0.17	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.03	0.01

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2413.00* Profile: Q002

E.G. Elev (ft)	7059.25	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.09	Wt. n-Val.		0.030	0.059
W.S. Elev (ft)	7059.16	Reach Len. (ft)	28.67	29.00	29.33
Crit W.S. (ft)	7059.16	Flow Area (sq ft)		3.33	0.01
E.G. Slope (ft/ft)	0.021381	Area (sq ft)		3.33	0.01
Q Total (cfs)	7.90	Flow (cfs)		7.90	0.00
Top Width (ft)	18.04	Top Width (ft)		17.82	0.23
Vel Total (ft/s)	2.36	Avg. Vel. (ft/s)		2.37	0.36
Max Chl Dpth (ft)	0.31	Hydr. Depth (ft)		0.19	0.03
Conv. Total (cfs)	54.0	Conv. (cfs)		54.0	0.0
Length Wtd. (ft)	29.00	Wetted Per. (ft)		17.83	0.23
Min Ch El (ft)	7058.85	Shear (lb/sq ft)		0.25	0.04
Alpha	1.00	Stream Power (lb/ft s)		0.59	0.01
Frctn Loss (ft)	0.64	Cum Volume (acre-ft)		0.16	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.02	0.00

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
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Errors Warnings and Notes (Continued)

Warning:	During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
	water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The
	program defaulted to critical depth.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2384.00* Profile: Q002

E.G. Elev (ft)	7058.61	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.030	0.059
W.S. Elev (ft)	7058.50	Reach Len. (ft)	28.67	29.00	29.33
Crit W.S. (ft)	7058.51	Flow Area (sq ft)		3.06	0.02
E.G. Slope (ft/ft)	0.022986	Area (sq ft)		3.06	0.02
Q Total (cfs)	7.90	Flow (cfs)		7.89	0.01
Top Width (ft)	15.55	Top Width (ft)		15.23	0.32
Vel Total (ft/s)	2.56	Avg. Vel. (ft/s)		2.58	0.52
Max Chl Dpth (ft)	0.30	Hydr. Depth (ft)		0.20	0.05
Conv. Total (cfs)	52.1	Conv. (cfs)		52.0	0.1
Length Wtd. (ft)	29.00	Wetted Per. (ft)		15.25	0.34
Min Ch EI (ft)	7058.20	Shear (lb/sq ft)		0.29	0.07
Alpha	1.01	Stream Power (lb/ft s)		0.74	0.04
Frctn Loss (ft)	0.64	Cum Volume (acre-ft)		0.16	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		1.01	0.00

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2355.00* Profile: Q002

E.G. Elev (ft)	7057.98	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.		0.030	0.059
W.S. Elev (ft)	7057.85	Reach Len. (ft)	28.67	29.00	29.33
Crit W.S. (ft)	7057.86	Flow Area (sq ft)		2.80	0.03
E.G. Slope (ft/ft)	0.024758	Area (sq ft)		2.80	0.03
Q Total (cfs)	7.90	Flow (cfs)		7.88	0.02
Top Width (ft)	13.35	Top Width (ft)		12.93	0.41
Vel Total (ft/s)	2.79	Avg. Vel. (ft/s)		2.81	0.68
Max Chl Dpth (ft)	0.30	Hydr. Depth (ft)		0.22	0.08
Conv. Total (cfs)	50.2	Conv. (cfs)		50.1	0.1
Length Wtd. (ft)	29.00	Wetted Per. (ft)		12.95	0.44
Min Ch EI (ft)	7057.55	Shear (lb/sq ft)		0.33	0.11
Alpha	1.01	Stream Power (lb/ft s)		0.94	0.08
Frctn Loss (ft)	0.67	Cum Volume (acre-ft)		0.16	0.00
C & E Loss (ft)	0.01	Cum SA (acres)		1.00	0.00

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program selected the
	water surface that had the least amount of error between computed and assumed values.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2326 Profile: Q002

E.G. Elev (ft)	7057.37	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.17	Wt. n-Val.		0.030	0.059
W.S. Elev (ft)	7057.19	Reach Len. (ft)	21.60	27.80	28.00
Crit W.S. (ft)	7057.25	Flow Area (sq ft)		2.35	0.04
E.G. Slope (ft/ft)	0.034251	Area (sq ft)		2.35	0.04
Q Total (cfs)	7.90	Flow (cfs)		7.86	0.04
Top Width (ft)	11.07	Top Width (ft)		10.60	0.46
Vel Total (ft/s)	3.30	Avg. Vel. (ft/s)		3.35	0.93
Max Chl Dpth (ft)	0.29	Hydr. Depth (ft)		0.22	0.10
Conv. Total (cfs)	42.7	Conv. (cfs)		42.5	0.2

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2326 Profile: Q002 (Continued)

Length Wtd. (ft)	27.80	Wetted Per. (ft)		10.62	0.50
Min Ch El (ft)	7056.90	Shear (lb/sq ft)		0.47	0.19
Alpha	1.02	Stream Power (lb/ft s)		1.58	0.18
Frctn Loss (ft)	0.59	Cum Volume (acre-ft)		0.16	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		0.99	0.00

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program selected the water surface that had the least amount of error between computed and assumed values.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2298.20* Profile: Q002

E.G. Elev (ft)	7056.75	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.030	0.059
W.S. Elev (ft)	7056.65	Reach Len. (ft)	21.60	27.80	28.00
Crit W.S. (ft)	7056.65	Flow Area (sq ft)		3.01	0.09
E.G. Slope (ft/ft)	0.021129	Area (sq ft)		3.01	0.09
Q Total (cfs)	7.90	Flow (cfs)		7.82	0.08
Top Width (ft)	14.67	Top Width (ft)		13.86	0.80
Vel Total (ft/s)	2.55	Avg. Vel. (ft/s)		2.60	0.84
Max Chl Dpth (ft)	0.33	Hydr. Depth (ft)		0.22	0.11
Conv. Total (cfs)	54.3	Conv. (cfs)		53.8	0.5
Length Wtd. (ft)	27.80	Wetted Per. (ft)		13.88	0.84
Min Ch El (ft)	7056.32	Shear (lb/sq ft)		0.29	0.14
Alpha	1.03	Stream Power (lb/ft s)		0.74	0.12
Frctn Loss (ft)	0.60	Cum Volume (acre-ft)		0.16	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		0.98	0.00

Errors Warnings and Notes

Warning:	Divided flow computed for this cross-section.
Note:	Hydraulic jump has occurred between this cross section and the previous upstream section.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2270.40* Profile: Q002

E.G. Elev (ft)	7056.15	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.030	0.059
W.S. Elev (ft)	7056.05	Reach Len. (ft)	21.60	27.80	28.00
Crit W.S. (ft)	7056.05	Flow Area (sq ft)		2.99	0.11
E.G. Slope (ft/ft)	0.021947	Area (sq ft)		2.99	0.11
Q Total (cfs)	7.90	Flow (cfs)		7.81	0.09
Top Width (ft)	15.18	Top Width (ft)		14.11	1.07
Vel Total (ft/s)	2.54	Avg. Vel. (ft/s)		2.61	0.81
Max Chl Dpth (ft)	0.31	Hydr. Depth (ft)		0.21	0.10
Conv. Total (cfs)	53.3	Conv. (cfs)		52.7	0.6
Length Wtd. (ft)	27.80	Wetted Per. (ft)		14.13	1.09
Min Ch El (ft)	7055.74	Shear (lb/sq ft)		0.29	0.14
Alpha	1.04	Stream Power (lb/ft s)		0.76	0.11
Frctn Loss (ft)	0.63	Cum Volume (acre-ft)		0.15	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		0.97	0.00

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning:	Divided flow computed for this cross-section.
Warning:	During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated

Errors Warnings and Notes (Continued)

	water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The
	program defaulted to critical depth.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2242.60* Profile: Q002

E.G. Elev (ft)	7055.56	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.16	Wt. n-Val.		0.030	0.059
W.S. Elev (ft)	7055.41	Reach Len. (ft)	21.60	27.80	28.00
Crit W.S. (ft)	7055.44	Flow Area (sq ft)		2.47	0.08
E.G. Slope (ft/ft)	0.039449	Area (sq ft)		2.47	0.08
Q Total (cfs)	7.90	Flow (cfs)		7.83	0.07
Top Width (ft)	14.56	Top Width (ft)		13.46	1.10
Vel Total (ft/s)	3.10	Avg. Vel. (ft/s)		3.17	0.88
Max Chl Dpth (ft)	0.25	Hydr. Depth (ft)		0.18	0.07
Conv. Total (cfs)	39.8	Conv. (cfs)		39.4	0.4
Length Wtd. (ft)	27.80	Wetted Per. (ft)		13.46	1.11
Min Ch EI (ft)	7055.16	Shear (lb/sq ft)		0.45	0.18
Alpha	1.04	Stream Power (lb/ft s)		1.43	0.16
Frctn Loss (ft)	0.61	Cum Volume (acre-ft)		0.15	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		0.96	0.00

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program selected the
	water surface that had the least amount of error between computed and assumed values.
Note:	Program found supercritical flow starting at this cross section.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2214.80* Profile: Q002

E.G. Elev (ft)	7054.94	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.030	0.059
W.S. Elev (ft)	7054.84	Reach Len. (ft)	21.60	27.80	28.00
Crit W.S. (ft)	7054.84	Flow Area (sq ft)		3.00	0.15
E.G. Slope (ft/ft)	0.026034	Area (sq ft)		3.00	0.15
Q Total (cfs)	7.90	Flow (cfs)		7.79	0.11
Top Width (ft)	17.97	Top Width (ft)		16.15	1.82
Vel Total (ft/s)	2.51	Avg. Vel. (ft/s)		2.60	0.75
Max Chl Dpth (ft)	0.26	Hydr. Depth (ft)		0.19	0.08
Conv. Total (cfs)	49.0	Conv. (cfs)		48.3	0.7
Length Wtd. (ft)	27.80	Wetted Per. (ft)		16.16	1.83
Min Ch EI (ft)	7054.58	Shear (lb/sq ft)		0.30	0.13
Alpha	1.06	Stream Power (lb/ft s)		0.78	0.10
Frctn Loss (ft)	0.72	Cum Volume (acre-ft)		0.15	0.00
C & E Loss (ft)	0.01	Cum SA (acres)		0.95	0.00

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program used critical
	depth for the water surface and continued on with the calculations.
Warning:	During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
	water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The
	program defaulted to critical depth.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2187 Profile: Q002

E.G. Elev (ft)	7054.36	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.21	Wt. n-Val.		0.030	0.059
W.S. Elev (ft)	7054.15	Reach Len. (ft)	30.40	28.40	26.60
Crit W.S. (ft)	7054.22	Flow Area (sq ft)		2.15	0.03
E.G. Slope (ft/ft)	0.136582	Area (sq ft)		2.15	0.03
Q Total (cfs)	7.90	Flow (cfs)		7.88	0.02
Top Width (ft)	25.00	Top Width (ft)		24.04	0.97
Vel Total (ft/s)	3.63	Avg. Vel. (ft/s)		3.66	0.82
Max Chl Dpth (ft)	0.15	Hydr. Depth (ft)		0.09	0.03
Conv. Total (cfs)	21.4	Conv. (cfs)		21.3	0.1
Length Wtd. (ft)	28.39	Wetted Per. (ft)		24.04	0.97
Min Ch El (ft)	7054.00	Shear (lb/sq ft)		0.76	0.22
Alpha	1.02	Stream Power (lb/ft s)		2.79	0.18
Frctn Loss (ft)	0.40	Cum Volume (acre-ft)		0.15	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		0.94	0.00

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program selected the water surface that had the least amount of error between computed and assumed values.
Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2158.60* Profile: Q002

E.G. Elev (ft)	7053.89	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.030	0.059
W.S. Elev (ft)	7053.85	Reach Len. (ft)	30.40	28.40	26.60
Crit W.S. (ft)	7053.82	Flow Area (sq ft)		4.76	0.02
E.G. Slope (ft/ft)	0.015284	Area (sq ft)		4.76	0.02
Q Total (cfs)	7.90	Flow (cfs)		7.89	0.01
Top Width (ft)	34.34	Top Width (ft)		33.83	0.52
Vel Total (ft/s)	1.65	Avg. Vel. (ft/s)		1.66	0.35
Max Chl Dpth (ft)	0.25	Hydr. Depth (ft)		0.14	0.04
Conv. Total (cfs)	63.9	Conv. (cfs)		63.8	0.1
Length Wtd. (ft)	28.40	Wetted Per. (ft)		33.83	0.52
Min Ch El (ft)	7053.60	Shear (lb/sq ft)		0.13	0.04
Alpha	1.01	Stream Power (lb/ft s)		0.22	0.01
Frctn Loss (ft)	0.38	Cum Volume (acre-ft)		0.15	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		0.92	0.00

Errors Warnings and Notes

Note:	Hydraulic jump has occurred between this cross section and the previous upstream section.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2130.20* Profile: Q002

E.G. Elev (ft)	7053.51	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.030	0.000
W.S. Elev (ft)	7053.48	Reach Len. (ft)	30.40	28.40	26.60
Crit W.S. (ft)		Flow Area (sq ft)		5.55	0.00
E.G. Slope (ft/ft)	0.011534	Area (sq ft)		5.55	0.00
Q Total (cfs)	7.90	Flow (cfs)		7.90	0.00
Top Width (ft)	40.25	Top Width (ft)		40.08	0.16
Vel Total (ft/s)	1.42	Avg. Vel. (ft/s)		1.42	0.17
Max Chl Dpth (ft)	0.28	Hydr. Depth (ft)		0.14	0.02
Conv. Total (cfs)	73.6	Conv. (cfs)		73.6	0.0

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2130.20* Profile: Q002 (Continued)

Length Wtd. (ft)	28.40	Wetted Per. (ft)		40.09	0.17
Min Ch El (ft)	7053.20	Shear (lb/sq ft)		0.10	
Alpha	1.00	Stream Power (lb/ft s)		0.14	
Frctn Loss (ft)	0.39	Cum Volume (acre-ft)		0.14	0.00
C & E Loss (ft)	0.00	Cum SA (acres)		0.90	0.00

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2101.80* Profile: Q002

E.G. Elev (ft)	7053.13	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.030	
W.S. Elev (ft)	7053.09	Reach Len. (ft)	30.40	28.40	26.60
Crit W.S. (ft)		Flow Area (sq ft)		4.85	
E.G. Slope (ft/ft)	0.016437	Area (sq ft)		4.85	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	37.30	Top Width (ft)		37.30	
Vel Total (ft/s)	1.63	Avg. Vel. (ft/s)		1.63	
Max Chl Dpth (ft)	0.29	Hydr. Depth (ft)		0.13	
Conv. Total (cfs)	61.6	Conv. (cfs)		61.6	
Length Wtd. (ft)	28.40	Wetted Per. (ft)		37.31	
Min Ch El (ft)	7052.80	Shear (lb/sq ft)		0.13	
Alpha	1.00	Stream Power (lb/ft s)		0.22	
Frctn Loss (ft)	0.38	Cum Volume (acre-ft)		0.14	
C & E Loss (ft)	0.00	Cum SA (acres)		0.87	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2073.40* Profile: Q002

E.G. Elev (ft)	7052.76	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.030	
W.S. Elev (ft)	7052.73	Reach Len. (ft)	30.40	28.40	26.60
Crit W.S. (ft)		Flow Area (sq ft)		5.42	
E.G. Slope (ft/ft)	0.010868	Area (sq ft)		5.42	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	36.14	Top Width (ft)		36.14	
Vel Total (ft/s)	1.46	Avg. Vel. (ft/s)		1.46	
Max Chl Dpth (ft)	0.33	Hydr. Depth (ft)		0.15	
Conv. Total (cfs)	75.8	Conv. (cfs)		75.8	
Length Wtd. (ft)	28.40	Wetted Per. (ft)		36.15	
Min Ch El (ft)	7052.40	Shear (lb/sq ft)		0.10	
Alpha	1.00	Stream Power (lb/ft s)		0.15	
Frctn Loss (ft)	0.40	Cum Volume (acre-ft)		0.14	
C & E Loss (ft)	0.00	Cum SA (acres)		0.85	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2045 Profile: Q002

E.G. Elev (ft)	7052.37	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.030	
W.S. Elev (ft)	7052.32	Reach Len. (ft)	35.80	29.20	28.80
Crit W.S. (ft)		Flow Area (sq ft)		4.34	
E.G. Slope (ft/ft)	0.018684	Area (sq ft)		4.34	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	31.08	Top Width (ft)		31.08	
Vel Total (ft/s)	1.82	Avg. Vel. (ft/s)		1.82	
Max Chl Dpth (ft)	0.32	Hydr. Depth (ft)		0.14	
Conv. Total (cfs)	57.8	Conv. (cfs)		57.8	
Length Wtd. (ft)	29.20	Wetted Per. (ft)		31.08	
Min Ch El (ft)	7052.00	Shear (lb/sq ft)		0.16	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2045 Profile: Q002 (Continued)

Alpha	1.00	Stream Power (lb/ft s)		0.30	
Frctn Loss (ft)	0.56	Cum Volume (acre-ft)		0.13	
C & E Loss (ft)	0.00	Cum SA (acres)		0.83	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 2015.80* Profile: Q002

E.G. Elev (ft)	7051.82	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.030	
W.S. Elev (ft)	7051.77	Reach Len. (ft)	35.80	29.20	28.80
Crit W.S. (ft)	7051.75	Flow Area (sq ft)		4.31	
E.G. Slope (ft/ft)	0.019348	Area (sq ft)		4.31	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	31.48	Top Width (ft)		31.48	
Vel Total (ft/s)	1.83	Avg. Vel. (ft/s)		1.83	
Max Chl Dpth (ft)	0.31	Hydr. Depth (ft)		0.14	
Conv. Total (cfs)	56.8	Conv. (cfs)		56.8	
Length Wtd. (ft)	29.20	Wetted Per. (ft)		31.49	
Min Ch El (ft)	7051.46	Shear (lb/sq ft)		0.17	
Alpha	1.00	Stream Power (lb/ft s)		0.30	
Frctn Loss (ft)	0.55	Cum Volume (acre-ft)		0.13	
C & E Loss (ft)	0.00	Cum SA (acres)		0.81	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1986.60* Profile: Q002

E.G. Elev (ft)	7051.27	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.030	
W.S. Elev (ft)	7051.23	Reach Len. (ft)	35.80	29.20	28.80
Crit W.S. (ft)	7051.21	Flow Area (sq ft)		4.44	
E.G. Slope (ft/ft)	0.018168	Area (sq ft)		4.44	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	32.26	Top Width (ft)		32.26	
Vel Total (ft/s)	1.78	Avg. Vel. (ft/s)		1.78	
Max Chl Dpth (ft)	0.31	Hydr. Depth (ft)		0.14	
Conv. Total (cfs)	58.6	Conv. (cfs)		58.6	
Length Wtd. (ft)	29.20	Wetted Per. (ft)		32.27	
Min Ch El (ft)	7050.92	Shear (lb/sq ft)		0.16	
Alpha	1.00	Stream Power (lb/ft s)		0.28	
Frctn Loss (ft)	0.55	Cum Volume (acre-ft)		0.13	
C & E Loss (ft)	0.00	Cum SA (acres)		0.78	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1957.40* Profile: Q002

E.G. Elev (ft)	7050.72	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.030	
W.S. Elev (ft)	7050.67	Reach Len. (ft)	35.80	29.20	28.80
Crit W.S. (ft)	7050.66	Flow Area (sq ft)		4.34	
E.G. Slope (ft/ft)	0.019736	Area (sq ft)		4.34	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	32.39	Top Width (ft)		32.39	
Vel Total (ft/s)	1.82	Avg. Vel. (ft/s)		1.82	
Max Chl Dpth (ft)	0.29	Hydr. Depth (ft)		0.13	
Conv. Total (cfs)	56.2	Conv. (cfs)		56.2	
Length Wtd. (ft)	29.20	Wetted Per. (ft)		32.40	
Min Ch El (ft)	7050.38	Shear (lb/sq ft)		0.16	
Alpha	1.00	Stream Power (lb/ft s)		0.30	
Frctn Loss (ft)	0.53	Cum Volume (acre-ft)		0.12	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1957.40* Profile: Q002 (Continued)

C & E Loss (ft)	0.00	Cum SA (acres)		0.76	
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1928.20* Profile: Q002

E.G. Elev (ft)	7050.18	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.030	
W.S. Elev (ft)	7050.14	Reach Len. (ft)	35.80	29.20	28.80
Crit W.S. (ft)	7050.11	Flow Area (sq ft)		4.60	
E.G. Slope (ft/ft)	0.016826	Area (sq ft)		4.60	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	33.30	Top Width (ft)		33.30	
Vel Total (ft/s)	1.72	Avg. Vel. (ft/s)		1.72	
Max Chl Dpth (ft)	0.30	Hydr. Depth (ft)		0.14	
Conv. Total (cfs)	60.9	Conv. (cfs)		60.9	
Length Wtd. (ft)	29.20	Wetted Per. (ft)		33.31	
Min Ch El (ft)	7049.84	Shear (lb/sq ft)		0.15	
Alpha	1.00	Stream Power (lb/ft s)		0.25	
Frctn Loss (ft)	0.56	Cum Volume (acre-ft)		0.12	
C & E Loss (ft)	0.00	Cum SA (acres)		0.74	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1899 Profile: Q002

E.G. Elev (ft)	7049.63	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.030	
W.S. Elev (ft)	7049.58	Reach Len. (ft)	45.67	43.00	43.67
Crit W.S. (ft)	7049.56	Flow Area (sq ft)		4.21	
E.G. Slope (ft/ft)	0.022052	Area (sq ft)		4.21	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	32.66	Top Width (ft)		32.66	
Vel Total (ft/s)	1.88	Avg. Vel. (ft/s)		1.88	
Max Chl Dpth (ft)	0.28	Hydr. Depth (ft)		0.13	
Conv. Total (cfs)	53.2	Conv. (cfs)		53.2	
Length Wtd. (ft)	43.00	Wetted Per. (ft)		32.67	
Min Ch El (ft)	7049.30	Shear (lb/sq ft)		0.18	
Alpha	1.00	Stream Power (lb/ft s)		0.33	
Frctn Loss (ft)	0.96	Cum Volume (acre-ft)		0.12	
C & E Loss (ft)	0.00	Cum SA (acres)		0.72	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1856.00* Profile: Q002

E.G. Elev (ft)	7048.68	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.06	Wt. n-Val.		0.030	
W.S. Elev (ft)	7048.62	Reach Len. (ft)	45.67	43.00	43.67
Crit W.S. (ft)	7048.61	Flow Area (sq ft)		4.16	
E.G. Slope (ft/ft)	0.022386	Area (sq ft)		4.16	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	32.00	Top Width (ft)		32.00	
Vel Total (ft/s)	1.90	Avg. Vel. (ft/s)		1.90	
Max Chl Dpth (ft)	0.25	Hydr. Depth (ft)		0.13	
Conv. Total (cfs)	52.8	Conv. (cfs)		52.8	
Length Wtd. (ft)	43.00	Wetted Per. (ft)		32.01	
Min Ch El (ft)	7048.37	Shear (lb/sq ft)		0.18	
Alpha	1.00	Stream Power (lb/ft s)		0.34	
Frctn Loss (ft)	0.96	Cum Volume (acre-ft)		0.11	
C & E Loss (ft)	0.00	Cum SA (acres)		0.69	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1813.00* Profile: Q002

E.G. Elev (ft)	7047.71	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.030	
W.S. Elev (ft)	7047.66	Reach Len. (ft)	45.67	43.00	43.67
Crit W.S. (ft)	7047.65	Flow Area (sq ft)		4.21	
E.G. Slope (ft/ft)	0.022227	Area (sq ft)		4.21	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	32.86	Top Width (ft)		32.86	
Vel Total (ft/s)	1.88	Avg. Vel. (ft/s)		1.88	
Max Chl Dpth (ft)	0.23	Hydr. Depth (ft)		0.13	
Conv. Total (cfs)	53.0	Conv. (cfs)		53.0	
Length Wtd. (ft)	43.00	Wetted Per. (ft)		32.87	
Min Ch El (ft)	7047.43	Shear (lb/sq ft)		0.18	
Alpha	1.00	Stream Power (lb/ft s)		0.33	
Frctn Loss (ft)	0.98	Cum Volume (acre-ft)		0.11	
C & E Loss (ft)	0.00	Cum SA (acres)		0.65	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1770 Profile: Q002

E.G. Elev (ft)	7046.74	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.030	
W.S. Elev (ft)	7046.69	Reach Len. (ft)	45.75	45.25	62.75
Crit W.S. (ft)	7046.68	Flow Area (sq ft)		4.24	
E.G. Slope (ft/ft)	0.023193	Area (sq ft)		4.24	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	34.54	Top Width (ft)		34.54	
Vel Total (ft/s)	1.86	Avg. Vel. (ft/s)		1.86	
Max Chl Dpth (ft)	0.19	Hydr. Depth (ft)		0.12	
Conv. Total (cfs)	51.9	Conv. (cfs)		51.9	
Length Wtd. (ft)	45.25	Wetted Per. (ft)		34.55	
Min Ch El (ft)	7046.50	Shear (lb/sq ft)		0.18	
Alpha	1.00	Stream Power (lb/ft s)		0.33	
Frctn Loss (ft)	1.12	Cum Volume (acre-ft)		0.11	
C & E Loss (ft)	0.00	Cum SA (acres)		0.62	

Errors Warnings and Notes

Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1724.75* Profile: Q002

E.G. Elev (ft)	7045.63	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.06	Wt. n-Val.		0.030	
W.S. Elev (ft)	7045.57	Reach Len. (ft)	45.75	45.25	62.75
Crit W.S. (ft)	7045.57	Flow Area (sq ft)		4.09	
E.G. Slope (ft/ft)	0.026268	Area (sq ft)		4.09	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	34.64	Top Width (ft)		34.64	
Vel Total (ft/s)	1.93	Avg. Vel. (ft/s)		1.93	
Max Chl Dpth (ft)	0.19	Hydr. Depth (ft)		0.12	
Conv. Total (cfs)	48.7	Conv. (cfs)		48.7	
Length Wtd. (ft)	45.25	Wetted Per. (ft)		34.64	
Min Ch El (ft)	7045.38	Shear (lb/sq ft)		0.19	
Alpha	1.00	Stream Power (lb/ft s)		0.37	
Frctn Loss (ft)	1.11	Cum Volume (acre-ft)		0.10	
C & E Loss (ft)	0.00	Cum SA (acres)		0.59	

Errors Warnings and Notes

Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate
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Errors Warnings and Notes (Continued)

	the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1679.50* Profile: Q002

E.G. Elev (ft)	7044.52	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.030	
W.S. Elev (ft)	7044.47	Reach Len. (ft)	45.75	45.25	62.75
Crit W.S. (ft)	7044.45	Flow Area (sq ft)		4.26	
E.G. Slope (ft/ft)	0.023044	Area (sq ft)		4.26	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	34.84	Top Width (ft)		34.84	
Vel Total (ft/s)	1.85	Avg. Vel. (ft/s)		1.85	
Max Chl Dpth (ft)	0.22	Hydr. Depth (ft)		0.12	
Conv. Total (cfs)	52.0	Conv. (cfs)		52.0	
Length Wtd. (ft)	45.25	Wetted Per. (ft)		34.85	
Min Ch EI (ft)	7044.25	Shear (lb/sq ft)		0.18	
Alpha	1.00	Stream Power (lb/ft s)		0.33	
Frctn Loss (ft)	1.12	Cum Volume (acre-ft)		0.10	
C & E Loss (ft)	0.00	Cum SA (acres)		0.55	

Errors Warnings and Notes

Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1634.25* Profile: Q002

E.G. Elev (ft)	7043.40	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.06	Wt. n-Val.		0.030	
W.S. Elev (ft)	7043.34	Reach Len. (ft)	45.75	45.25	62.75
Crit W.S. (ft)	7043.34	Flow Area (sq ft)		4.06	
E.G. Slope (ft/ft)	0.026749	Area (sq ft)		4.06	
Q Total (cfs)	7.90	Flow (cfs)		7.90	
Top Width (ft)	34.47	Top Width (ft)		34.47	
Vel Total (ft/s)	1.95	Avg. Vel. (ft/s)		1.95	
Max Chl Dpth (ft)	0.22	Hydr. Depth (ft)		0.12	
Conv. Total (cfs)	48.3	Conv. (cfs)		48.3	
Length Wtd. (ft)	45.25	Wetted Per. (ft)		34.47	
Min Ch EI (ft)	7043.12	Shear (lb/sq ft)		0.20	
Alpha	1.00	Stream Power (lb/ft s)		0.38	
Frctn Loss (ft)	0.92	Cum Volume (acre-ft)		0.09	
C & E Loss (ft)	0.00	Cum SA (acres)		0.51	

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning:	During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1589 Profile: Q002

E.G. Elev (ft)	7042.35	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.030	
W.S. Elev (ft)	7042.30	Reach Len. (ft)	32.43	33.57	31.14
Crit W.S. (ft)	7042.28	Flow Area (sq ft)		6.60	
E.G. Slope (ft/ft)	0.017274	Area (sq ft)		6.60	
Q Total (cfs)	12.00	Flow (cfs)		12.00	
Top Width (ft)	44.67	Top Width (ft)		44.67	
Vel Total (ft/s)	1.82	Avg. Vel. (ft/s)		1.82	
Max Chl Dpth (ft)	0.30	Hydr. Depth (ft)		0.15	
Conv. Total (cfs)	91.3	Conv. (cfs)		91.3	
Length Wtd. (ft)	33.57	Wetted Per. (ft)		44.67	
Min Ch El (ft)	7042.00	Shear (lb/sq ft)		0.16	
Alpha	1.00	Stream Power (lb/ft s)		0.29	
Frctn Loss (ft)	0.58	Cum Volume (acre-ft)		0.09	
C & E Loss (ft)	0.00	Cum SA (acres)		0.47	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1555.43* Profile: Q002

E.G. Elev (ft)	7041.76	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.030	
W.S. Elev (ft)	7041.70	Reach Len. (ft)	32.43	33.57	31.14
Crit W.S. (ft)	7041.68	Flow Area (sq ft)		6.40	
E.G. Slope (ft/ft)	0.017568	Area (sq ft)		6.40	
Q Total (cfs)	12.00	Flow (cfs)		12.00	
Top Width (ft)	41.98	Top Width (ft)		41.98	
Vel Total (ft/s)	1.87	Avg. Vel. (ft/s)		1.87	
Max Chl Dpth (ft)	0.31	Hydr. Depth (ft)		0.15	
Conv. Total (cfs)	90.5	Conv. (cfs)		90.5	
Length Wtd. (ft)	33.57	Wetted Per. (ft)		41.98	
Min Ch El (ft)	7041.39	Shear (lb/sq ft)		0.17	
Alpha	1.00	Stream Power (lb/ft s)		0.31	
Frctn Loss (ft)	0.60	Cum Volume (acre-ft)		0.08	
C & E Loss (ft)	0.00	Cum SA (acres)		0.44	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1521.86* Profile: Q002

E.G. Elev (ft)	7041.16	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.06	Wt. n-Val.		0.030	
W.S. Elev (ft)	7041.10	Reach Len. (ft)	32.43	33.57	31.14
Crit W.S. (ft)	7041.09	Flow Area (sq ft)		6.09	
E.G. Slope (ft/ft)	0.018394	Area (sq ft)		6.09	
Q Total (cfs)	12.00	Flow (cfs)		12.00	
Top Width (ft)	38.37	Top Width (ft)		38.37	
Vel Total (ft/s)	1.97	Avg. Vel. (ft/s)		1.97	
Max Chl Dpth (ft)	0.33	Hydr. Depth (ft)		0.16	
Conv. Total (cfs)	88.5	Conv. (cfs)		88.5	
Length Wtd. (ft)	33.57	Wetted Per. (ft)		38.38	
Min Ch El (ft)	7040.77	Shear (lb/sq ft)		0.18	
Alpha	1.00	Stream Power (lb/ft s)		0.36	
Frctn Loss (ft)	0.58	Cum Volume (acre-ft)		0.08	
C & E Loss (ft)	0.00	Cum SA (acres)		0.41	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1488.29* Profile: Q002

E.G. Elev (ft)	7040.58	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.06	Wt. n-Val.		0.030	
W.S. Elev (ft)	7040.52	Reach Len. (ft)	32.43	33.57	31.14
Crit W.S. (ft)	7040.49	Flow Area (sq ft)		6.13	
E.G. Slope (ft/ft)	0.016515	Area (sq ft)		6.13	
Q Total (cfs)	12.00	Flow (cfs)		12.00	
Top Width (ft)	35.96	Top Width (ft)		35.96	
Vel Total (ft/s)	1.96	Avg. Vel. (ft/s)		1.96	
Max Chl Dpth (ft)	0.36	Hydr. Depth (ft)		0.17	
Conv. Total (cfs)	93.4	Conv. (cfs)		93.4	
Length Wtd. (ft)	33.57	Wetted Per. (ft)		35.97	
Min Ch El (ft)	7040.16	Shear (lb/sq ft)		0.18	
Alpha	1.00	Stream Power (lb/ft s)		0.34	
Frctn Loss (ft)	0.59	Cum Volume (acre-ft)		0.07	
C & E Loss (ft)	0.00	Cum SA (acres)		0.38	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1454.71* Profile: Q002

E.G. Elev (ft)	7039.99	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.07	Wt. n-Val.		0.030	
W.S. Elev (ft)	7039.92	Reach Len. (ft)	32.43	33.57	31.14
Crit W.S. (ft)	7039.91	Flow Area (sq ft)		5.66	
E.G. Slope (ft/ft)	0.018611	Area (sq ft)		5.66	
Q Total (cfs)	12.00	Flow (cfs)		12.00	
Top Width (ft)	32.12	Top Width (ft)		32.12	
Vel Total (ft/s)	2.12	Avg. Vel. (ft/s)		2.12	
Max Chl Dpth (ft)	0.38	Hydr. Depth (ft)		0.18	
Conv. Total (cfs)	88.0	Conv. (cfs)		88.0	
Length Wtd. (ft)	33.57	Wetted Per. (ft)		32.13	
Min Ch El (ft)	7039.54	Shear (lb/sq ft)		0.20	
Alpha	1.00	Stream Power (lb/ft s)		0.43	
Frctn Loss (ft)	0.58	Cum Volume (acre-ft)		0.07	
C & E Loss (ft)	0.00	Cum SA (acres)		0.35	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1421.14* Profile: Q002

E.G. Elev (ft)	7039.41	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.07	Wt. n-Val.		0.030	
W.S. Elev (ft)	7039.34	Reach Len. (ft)	32.43	33.57	31.14
Crit W.S. (ft)	7039.31	Flow Area (sq ft)		5.76	
E.G. Slope (ft/ft)	0.016106	Area (sq ft)		5.76	
Q Total (cfs)	12.00	Flow (cfs)		12.00	
Top Width (ft)	30.19	Top Width (ft)		30.19	
Vel Total (ft/s)	2.08	Avg. Vel. (ft/s)		2.08	
Max Chl Dpth (ft)	0.41	Hydr. Depth (ft)		0.19	
Conv. Total (cfs)	94.6	Conv. (cfs)		94.6	
Length Wtd. (ft)	33.57	Wetted Per. (ft)		30.20	
Min Ch El (ft)	7038.93	Shear (lb/sq ft)		0.19	
Alpha	1.00	Stream Power (lb/ft s)		0.40	
Frctn Loss (ft)	0.60	Cum Volume (acre-ft)		0.06	
C & E Loss (ft)	0.00	Cum SA (acres)		0.33	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1387.57* Profile: Q002

E.G. Elev (ft)	7038.82	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.09	Wt. n-Val.		0.030	
W.S. Elev (ft)	7038.73	Reach Len. (ft)	32.43	33.57	31.14
Crit W.S. (ft)	7038.72	Flow Area (sq ft)		5.12	
E.G. Slope (ft/ft)	0.019750	Area (sq ft)		5.12	
Q Total (cfs)	12.00	Flow (cfs)		12.00	
Top Width (ft)	26.18	Top Width (ft)		26.18	
Vel Total (ft/s)	2.34	Avg. Vel. (ft/s)		2.34	
Max Chl Dpth (ft)	0.42	Hydr. Depth (ft)		0.20	
Conv. Total (cfs)	85.4	Conv. (cfs)		85.4	
Length Wtd. (ft)	33.57	Wetted Per. (ft)		26.21	
Min Ch El (ft)	7038.31	Shear (lb/sq ft)		0.24	
Alpha	1.00	Stream Power (lb/ft s)		0.56	
Frctn Loss (ft)	0.58	Cum Volume (acre-ft)		0.06	
C & E Loss (ft)	0.00	Cum SA (acres)		0.31	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1354 Profile: Q002

E.G. Elev (ft)	7038.25	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.07	Wt. n-Val.		0.030	
W.S. Elev (ft)	7038.17	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)		Flow Area (sq ft)		5.47	
E.G. Slope (ft/ft)	0.015178	Area (sq ft)		5.47	
Q Total (cfs)	12.00	Flow (cfs)		12.00	
Top Width (ft)	25.35	Top Width (ft)		25.35	
Vel Total (ft/s)	2.19	Avg. Vel. (ft/s)		2.19	
Max Chl Dpth (ft)	0.47	Hydr. Depth (ft)		0.22	
Conv. Total (cfs)	97.4	Conv. (cfs)		97.4	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		25.38	
Min Ch El (ft)	7037.70	Shear (lb/sq ft)		0.20	
Alpha	1.00	Stream Power (lb/ft s)		0.45	
Frctn Loss (ft)	0.26	Cum Volume (acre-ft)		0.06	
C & E Loss (ft)	0.00	Cum SA (acres)		0.29	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1335.88* Profile: Q002

E.G. Elev (ft)	7037.98	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.06	Wt. n-Val.		0.030	
W.S. Elev (ft)	7037.91	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)		Flow Area (sq ft)		5.93	
E.G. Slope (ft/ft)	0.013599	Area (sq ft)		5.93	
Q Total (cfs)	12.00	Flow (cfs)		12.00	
Top Width (ft)	28.53	Top Width (ft)		28.53	
Vel Total (ft/s)	2.02	Avg. Vel. (ft/s)		2.02	
Max Chl Dpth (ft)	0.45	Hydr. Depth (ft)		0.21	
Conv. Total (cfs)	102.9	Conv. (cfs)		102.9	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		28.55	
Min Ch El (ft)	7037.46	Shear (lb/sq ft)		0.18	
Alpha	1.00	Stream Power (lb/ft s)		0.36	
Frctn Loss (ft)	0.26	Cum Volume (acre-ft)		0.05	
C & E Loss (ft)	0.00	Cum SA (acres)		0.28	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1317.75* Profile: Q002

E.G. Elev (ft)	7037.70	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.07	Wt. n-Val.		0.030	
W.S. Elev (ft)	7037.64	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)		Flow Area (sq ft)		5.84	
E.G. Slope (ft/ft)	0.015617	Area (sq ft)		5.84	
Q Total (cfs)	12.00	Flow (cfs)		12.00	
Top Width (ft)	30.55	Top Width (ft)		30.55	
Vel Total (ft/s)	2.05	Avg. Vel. (ft/s)		2.05	
Max Chl Dpth (ft)	0.41	Hydr. Depth (ft)		0.19	
Conv. Total (cfs)	96.0	Conv. (cfs)		96.0	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		30.57	
Min Ch El (ft)	7037.23	Shear (lb/sq ft)		0.19	
Alpha	1.00	Stream Power (lb/ft s)		0.38	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)		0.05	
C & E Loss (ft)	0.00	Cum SA (acres)		0.26	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1299.63* Profile: Q002

E.G. Elev (ft)	7037.43	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.06	Wt. n-Val.		0.030	
W.S. Elev (ft)	7037.37	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)		Flow Area (sq ft)		6.20	
E.G. Slope (ft/ft)	0.014977	Area (sq ft)		6.20	
Q Total (cfs)	12.00	Flow (cfs)		12.00	
Top Width (ft)	34.41	Top Width (ft)		34.41	
Vel Total (ft/s)	1.93	Avg. Vel. (ft/s)		1.93	
Max Chl Dpth (ft)	0.38	Hydr. Depth (ft)		0.18	
Conv. Total (cfs)	98.1	Conv. (cfs)		98.1	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		34.42	
Min Ch El (ft)	7036.99	Shear (lb/sq ft)		0.17	
Alpha	1.00	Stream Power (lb/ft s)		0.33	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		0.05	
C & E Loss (ft)	0.00	Cum SA (acres)		0.25	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1281.50* Profile: Q002

E.G. Elev (ft)	7037.16	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.030	
W.S. Elev (ft)	7037.11	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)		Flow Area (sq ft)		6.49	
E.G. Slope (ft/ft)	0.014781	Area (sq ft)		6.49	
Q Total (cfs)	12.00	Flow (cfs)		12.00	
Top Width (ft)	38.06	Top Width (ft)		38.06	
Vel Total (ft/s)	1.85	Avg. Vel. (ft/s)		1.85	
Max Chl Dpth (ft)	0.36	Hydr. Depth (ft)		0.17	
Conv. Total (cfs)	98.7	Conv. (cfs)		98.7	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		38.07	
Min Ch El (ft)	7036.75	Shear (lb/sq ft)		0.16	
Alpha	1.00	Stream Power (lb/ft s)		0.29	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		0.05	
C & E Loss (ft)	0.00	Cum SA (acres)		0.24	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1263.38* Profile: Q002

E.G. Elev (ft)	7036.89	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.030	
W.S. Elev (ft)	7036.84	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)		Flow Area (sq ft)		6.72	
E.G. Slope (ft/ft)	0.015364	Area (sq ft)		6.72	
Q Total (cfs)	12.00	Flow (cfs)		12.00	
Top Width (ft)	42.80	Top Width (ft)		42.80	
Vel Total (ft/s)	1.79	Avg. Vel. (ft/s)		1.79	
Max Chl Dpth (ft)	0.33	Hydr. Depth (ft)		0.16	
Conv. Total (cfs)	96.8	Conv. (cfs)		96.8	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		42.81	
Min Ch El (ft)	7036.51	Shear (lb/sq ft)		0.15	
Alpha	1.00	Stream Power (lb/ft s)		0.27	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)		0.04	
C & E Loss (ft)	0.00	Cum SA (acres)		0.22	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1245.25* Profile: Q002

E.G. Elev (ft)	7036.62	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.030	
W.S. Elev (ft)	7036.57	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)		Flow Area (sq ft)		7.02	
E.G. Slope (ft/ft)	0.015587	Area (sq ft)		7.02	
Q Total (cfs)	12.00	Flow (cfs)		12.00	
Top Width (ft)	48.24	Top Width (ft)		48.24	
Vel Total (ft/s)	1.71	Avg. Vel. (ft/s)		1.71	
Max Chl Dpth (ft)	0.30	Hydr. Depth (ft)		0.15	
Conv. Total (cfs)	96.1	Conv. (cfs)		96.1	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		48.25	
Min Ch El (ft)	7036.27	Shear (lb/sq ft)		0.14	
Alpha	1.00	Stream Power (lb/ft s)		0.24	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		0.04	
C & E Loss (ft)	0.00	Cum SA (acres)		0.20	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1227.13* Profile: Q002

E.G. Elev (ft)	7036.34	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.030	
W.S. Elev (ft)	7036.30	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)		Flow Area (sq ft)		7.47	
E.G. Slope (ft/ft)	0.014573	Area (sq ft)		7.47	
Q Total (cfs)	12.00	Flow (cfs)		12.00	
Top Width (ft)	53.55	Top Width (ft)		53.55	
Vel Total (ft/s)	1.61	Avg. Vel. (ft/s)		1.61	
Max Chl Dpth (ft)	0.26	Hydr. Depth (ft)		0.14	
Conv. Total (cfs)	99.4	Conv. (cfs)		99.4	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		53.56	
Min Ch El (ft)	7036.04	Shear (lb/sq ft)		0.13	
Alpha	1.00	Stream Power (lb/ft s)		0.20	
Frctn Loss (ft)	0.29	Cum Volume (acre-ft)		0.04	
C & E Loss (ft)	0.00	Cum SA (acres)		0.18	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1209 Profile: Q002

E.G. Elev (ft)	7036.06	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.030	
W.S. Elev (ft)	7036.02	Reach Len. (ft)	17.50	18.00	16.00
Crit W.S. (ft)		Flow Area (sq ft)		7.53	
E.G. Slope (ft/ft)	0.017707	Area (sq ft)		7.53	
Q Total (cfs)	12.00	Flow (cfs)		12.00	
Top Width (ft)	63.35	Top Width (ft)		63.35	
Vel Total (ft/s)	1.59	Avg. Vel. (ft/s)		1.59	
Max Chl Dpth (ft)	0.22	Hydr. Depth (ft)		0.12	
Conv. Total (cfs)	90.2	Conv. (cfs)		90.2	
Length Wtd. (ft)	18.00	Wetted Per. (ft)		63.36	
Min Ch El (ft)	7035.80	Shear (lb/sq ft)		0.13	
Alpha	1.00	Stream Power (lb/ft s)		0.21	
Frctn Loss (ft)	0.36	Cum Volume (acre-ft)		0.03	
C & E Loss (ft)	0.00	Cum SA (acres)		0.15	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1191.00* Profile: Q002

E.G. Elev (ft)	7035.70	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.09	Wt. n-Val.		0.030	
W.S. Elev (ft)	7035.61	Reach Len. (ft)	17.50	18.00	16.00
Crit W.S. (ft)	7035.61	Flow Area (sq ft)		5.02	
E.G. Slope (ft/ft)	0.022747	Area (sq ft)		5.02	
Q Total (cfs)	12.00	Flow (cfs)		12.00	
Top Width (ft)	27.75	Top Width (ft)		27.75	
Vel Total (ft/s)	2.39	Avg. Vel. (ft/s)		2.39	
Max Chl Dpth (ft)	0.21	Hydr. Depth (ft)		0.18	
Conv. Total (cfs)	79.6	Conv. (cfs)		79.6	
Length Wtd. (ft)	18.00	Wetted Per. (ft)		27.76	
Min Ch El (ft)	7035.40	Shear (lb/sq ft)		0.26	
Alpha	1.00	Stream Power (lb/ft s)		0.61	
Frctn Loss (ft)	0.41	Cum Volume (acre-ft)		0.03	
C & E Loss (ft)	0.02	Cum SA (acres)		0.14	

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning:	During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1173 Profile: Q002

E.G. Elev (ft)	7035.26	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.068	
W.S. Elev (ft)	7035.24	Reach Len. (ft)	24.50	25.50	25.00
Crit W.S. (ft)	7035.14	Flow Area (sq ft)		9.71	
E.G. Slope (ft/ft)	0.022323	Area (sq ft)		9.71	
Q Total (cfs)	12.00	Flow (cfs)		12.00	
Top Width (ft)	41.61	Top Width (ft)		41.61	
Vel Total (ft/s)	1.24	Avg. Vel. (ft/s)		1.24	
Max Chl Dpth (ft)	0.24	Hydr. Depth (ft)		0.23	
Conv. Total (cfs)	80.3	Conv. (cfs)		80.3	
Length Wtd. (ft)	25.50	Wetted Per. (ft)		41.70	
Min Ch El (ft)	7035.00	Shear (lb/sq ft)		0.32	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1173 Profile: Q002 (Continued)

Alpha	1.00	Stream Power (lb/ft s)		0.40	
Frctn Loss (ft)	0.45	Cum Volume (acre-ft)		0.03	
C & E Loss (ft)	0.00	Cum SA (acres)		0.12	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1147.50* Profile: Q002

E.G. Elev (ft)	7034.81	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.068	
W.S. Elev (ft)	7034.79	Reach Len. (ft)	24.50	25.50	25.00
Crit W.S. (ft)	7034.65	Flow Area (sq ft)		10.59	
E.G. Slope (ft/ft)	0.014349	Area (sq ft)		10.59	
Q Total (cfs)	12.00	Flow (cfs)		12.00	
Top Width (ft)	37.10	Top Width (ft)		37.10	
Vel Total (ft/s)	1.13	Avg. Vel. (ft/s)		1.13	
Max Chl Dpth (ft)	0.29	Hydr. Depth (ft)		0.29	
Conv. Total (cfs)	100.2	Conv. (cfs)		100.2	
Length Wtd. (ft)	25.50	Wetted Per. (ft)		37.19	
Min Ch EI (ft)	7034.50	Shear (lb/sq ft)		0.26	
Alpha	1.00	Stream Power (lb/ft s)		0.29	
Frctn Loss (ft)	0.53	Cum Volume (acre-ft)		0.02	
C & E Loss (ft)	0.00	Cum SA (acres)		0.10	

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1122 Profile: Q002

E.G. Elev (ft)	7034.29	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.068	
W.S. Elev (ft)	7034.25	Reach Len. (ft)	22.00	24.00	21.00
Crit W.S. (ft)		Flow Area (sq ft)		7.80	
E.G. Slope (ft/ft)	0.032698	Area (sq ft)		7.80	
Q Total (cfs)	12.00	Flow (cfs)		12.00	
Top Width (ft)	32.01	Top Width (ft)		32.01	
Vel Total (ft/s)	1.54	Avg. Vel. (ft/s)		1.54	
Max Chl Dpth (ft)	0.25	Hydr. Depth (ft)		0.24	
Conv. Total (cfs)	66.4	Conv. (cfs)		66.4	
Length Wtd. (ft)	24.00	Wetted Per. (ft)		32.07	
Min Ch EI (ft)	7034.00	Shear (lb/sq ft)		0.50	
Alpha	1.00	Stream Power (lb/ft s)		0.76	
Frctn Loss (ft)	1.32	Cum Volume (acre-ft)		0.02	
C & E Loss (ft)	0.00	Cum SA (acres)		0.08	

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1098 Profile: Q002

E.G. Elev (ft)	7032.97	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.		0.068	
W.S. Elev (ft)	7032.90	Reach Len. (ft)	49.50	49.00	50.00
Crit W.S. (ft)	7032.88	Flow Area (sq ft)		5.39	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1098 Profile: Q002 (Continued)

E.G. Slope (ft/ft)	0.110428	Area (sq ft)		5.39	
Q Total (cfs)	12.00	Flow (cfs)		12.00	
Top Width (ft)	31.65	Top Width (ft)		31.65	
Vel Total (ft/s)	2.23	Avg. Vel. (ft/s)		2.23	
Max Chl Dpth (ft)	0.40	Hydr. Depth (ft)		0.17	
Conv. Total (cfs)	36.1	Conv. (cfs)		36.1	
Length Wtd. (ft)	49.00	Wetted Per. (ft)		31.72	
Min Ch El (ft)	7032.50	Shear (lb/sq ft)		1.17	
Alpha	1.00	Stream Power (lb/ft s)		2.61	
Frctn Loss (ft)	3.13	Cum Volume (acre-ft)		0.01	
C & E Loss (ft)	0.01	Cum SA (acres)		0.06	

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1049.00* Profile: Q002

E.G. Elev (ft)	7029.85	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.06	Wt. n-Val.		0.068	
W.S. Elev (ft)	7029.79	Reach Len. (ft)	49.50	49.00	50.00
Crit W.S. (ft)	7029.70	Flow Area (sq ft)		6.23	
E.G. Slope (ft/ft)	0.041603	Area (sq ft)		6.23	
Q Total (cfs)	12.00	Flow (cfs)		12.00	
Top Width (ft)	21.88	Top Width (ft)		21.88	
Vel Total (ft/s)	1.93	Avg. Vel. (ft/s)		1.93	
Max Chl Dpth (ft)	0.34	Hydr. Depth (ft)		0.28	
Conv. Total (cfs)	58.8	Conv. (cfs)		58.8	
Length Wtd. (ft)	49.00	Wetted Per. (ft)		21.94	
Min Ch El (ft)	7029.45	Shear (lb/sq ft)		0.74	
Alpha	1.00	Stream Power (lb/ft s)		1.42	
Frctn Loss (ft)	3.20	Cum Volume (acre-ft)		0.01	
C & E Loss (ft)	0.00	Cum SA (acres)		0.03	

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1000 Profile: Q002

E.G. Elev (ft)	7026.65	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.		0.068	
W.S. Elev (ft)	7026.57	Reach Len. (ft)			
Crit W.S. (ft)	7026.57	Flow Area (sq ft)		5.27	
E.G. Slope (ft/ft)	0.117049	Area (sq ft)		5.27	
Q Total (cfs)	12.00	Flow (cfs)		12.00	
Top Width (ft)	31.37	Top Width (ft)		31.37	
Vel Total (ft/s)	2.28	Avg. Vel. (ft/s)		2.28	
Max Chl Dpth (ft)	0.17	Hydr. Depth (ft)		0.17	
Conv. Total (cfs)	35.1	Conv. (cfs)		35.1	
Length Wtd. (ft)		Wetted Per. (ft)		31.42	

Plan: Plan 12 POND F-G CHANNEL MAIN CHANNEL RS: 1000 Profile: Q002 (Continued)

Min Ch El (ft)	7026.40	Shear (lb/sq ft)		1.23	
Alpha	1.00	Stream Power (lb/ft s)		2.79	
Frctn Loss (ft)		Cum Volume (acre-ft)			
C & E Loss (ft)		Cum SA (acres)			

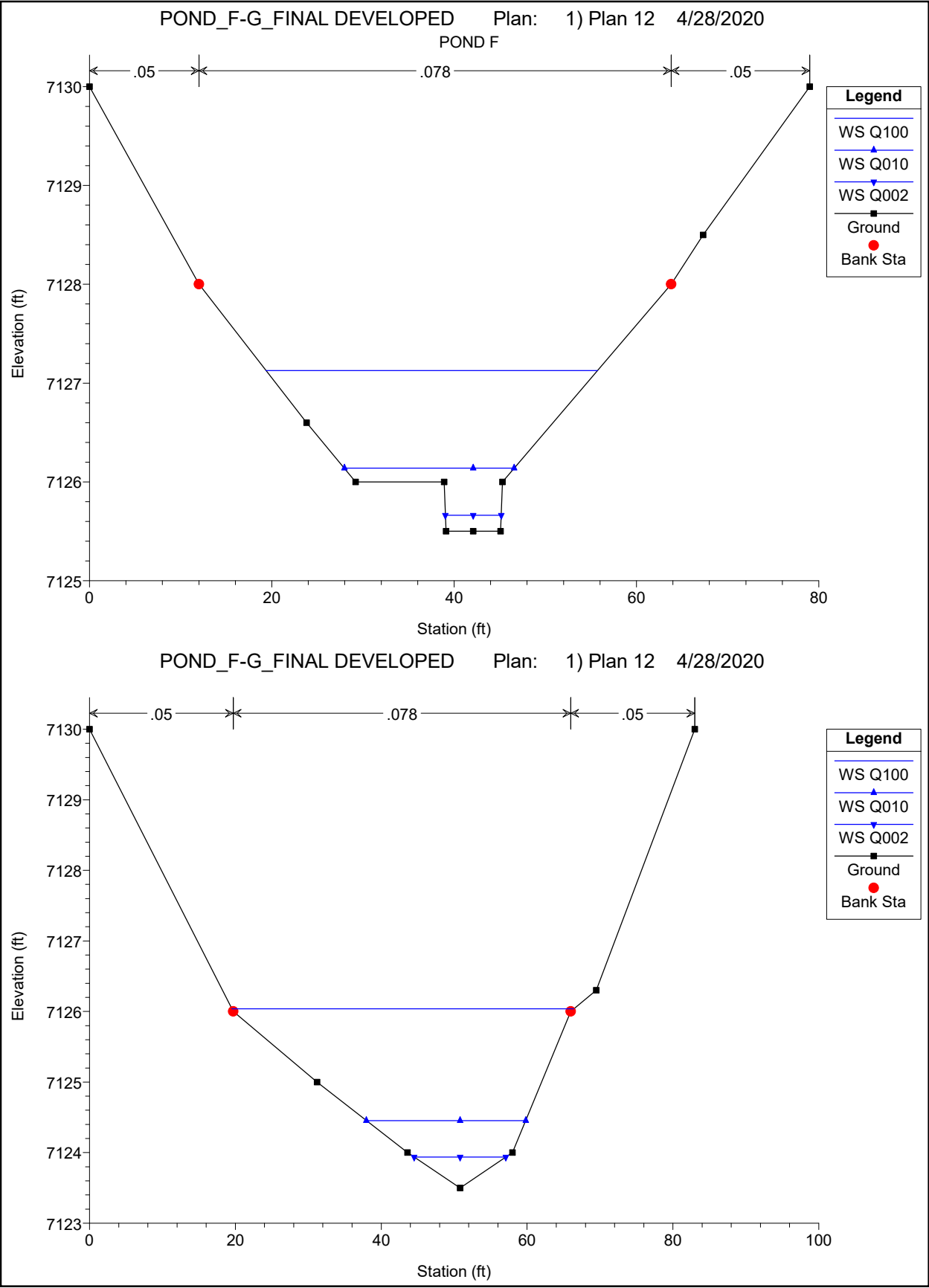
Errors Warnings and Notes

Warning:	Slope-Area method could not converge on a starting water surface elevation within the specified number of trials.
	The program used critical depth as the starting water surface.

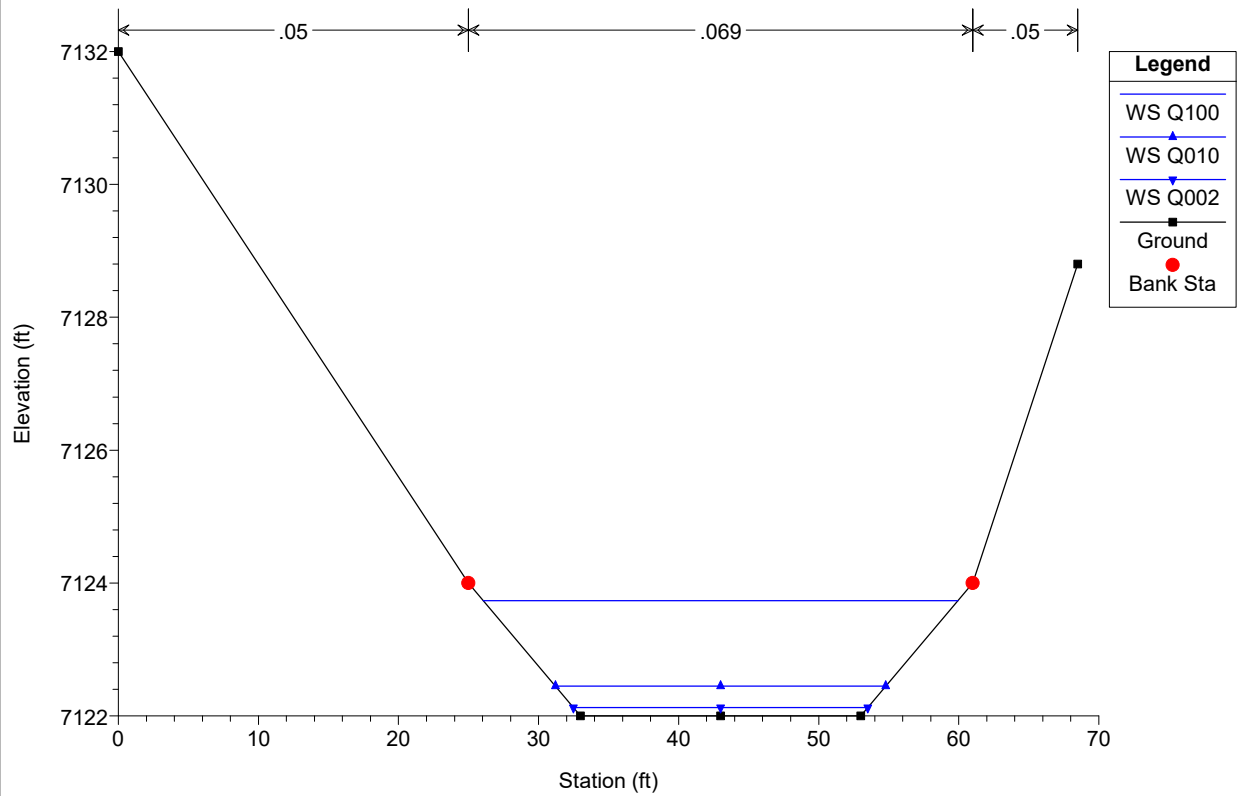
DEVELOPED CONDITION

PROFILES

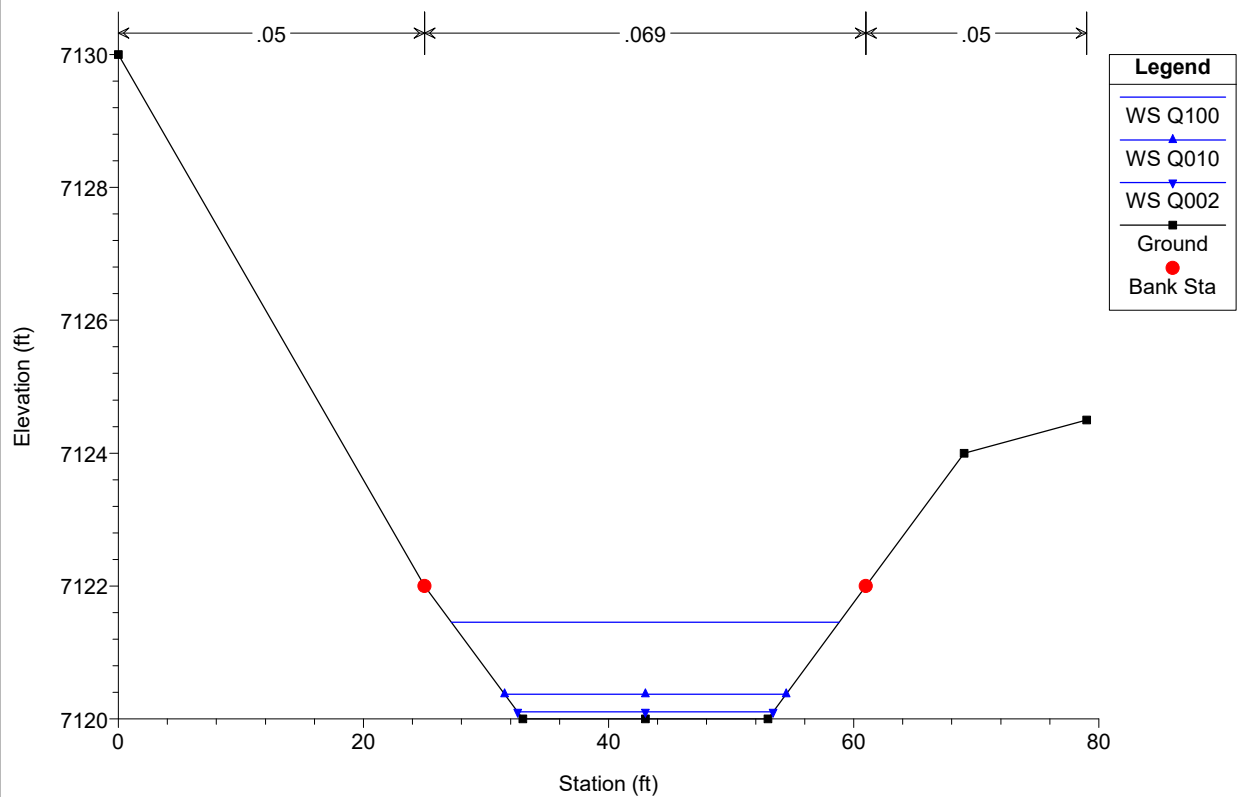
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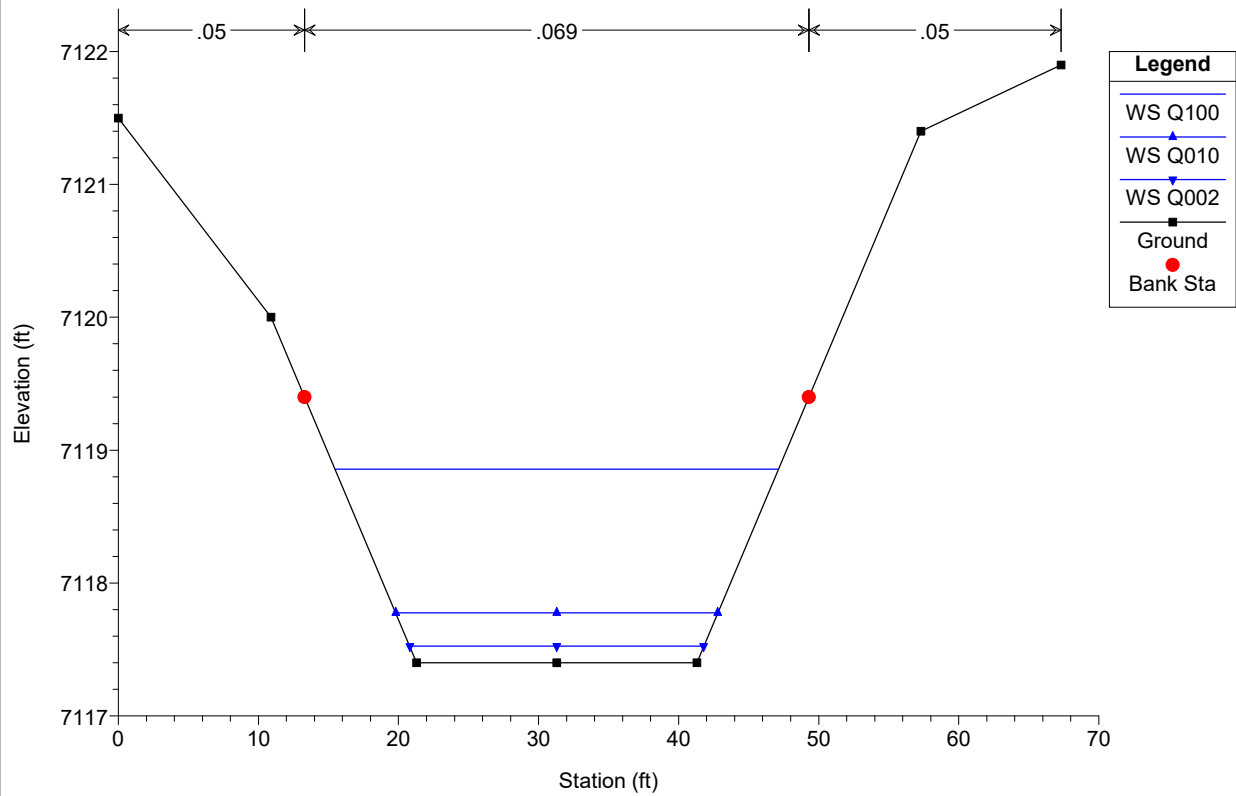
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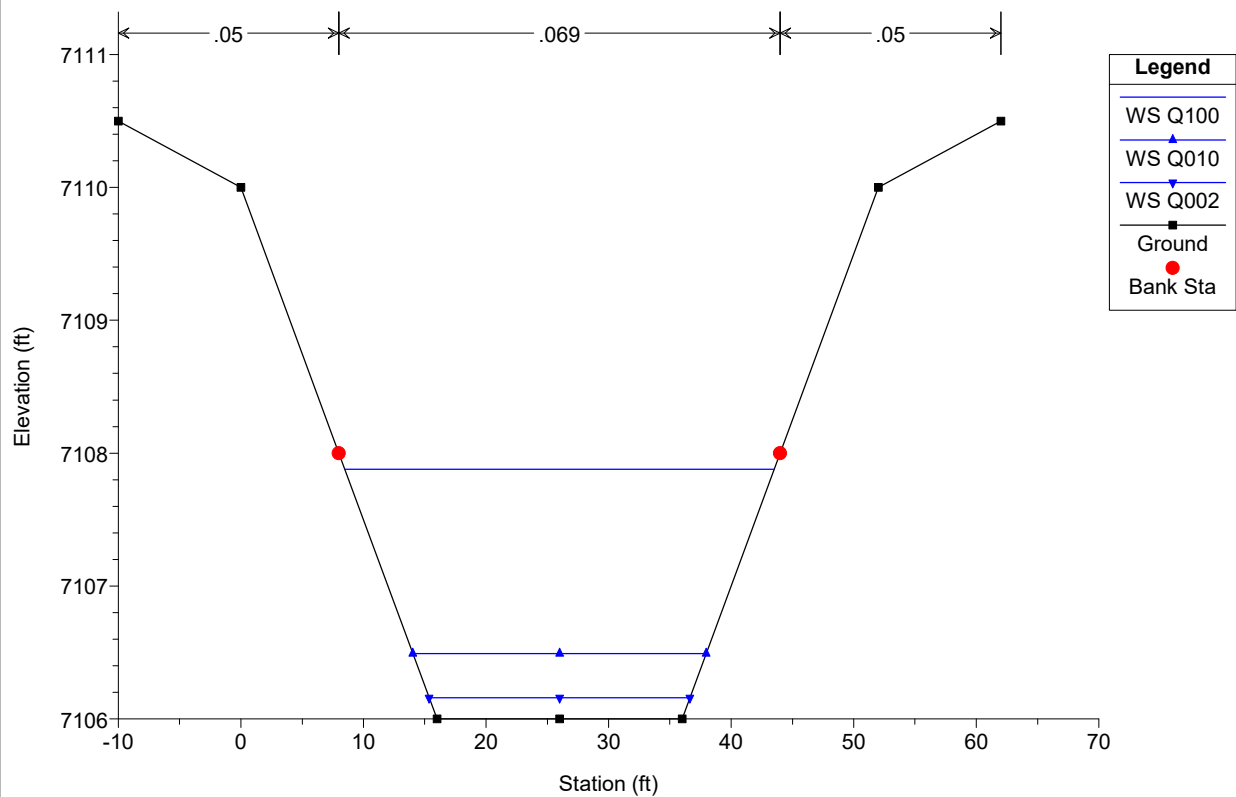
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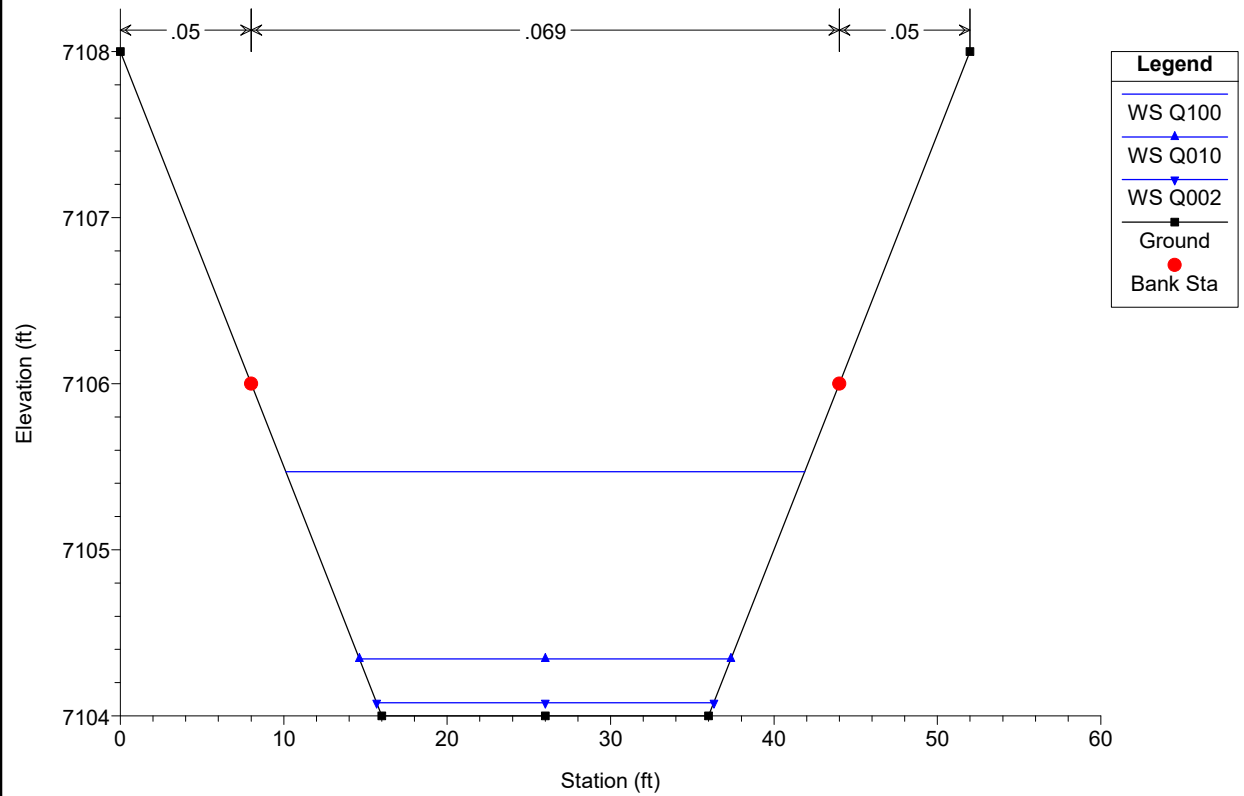
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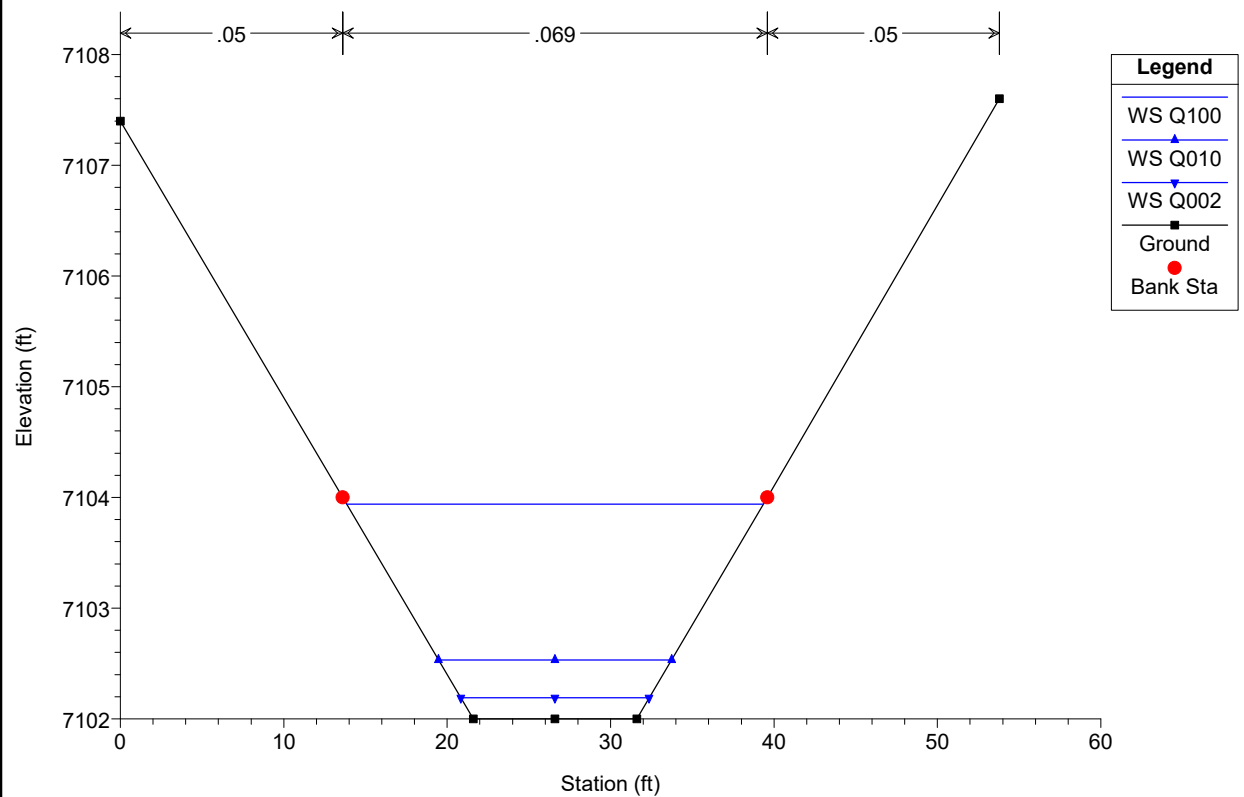
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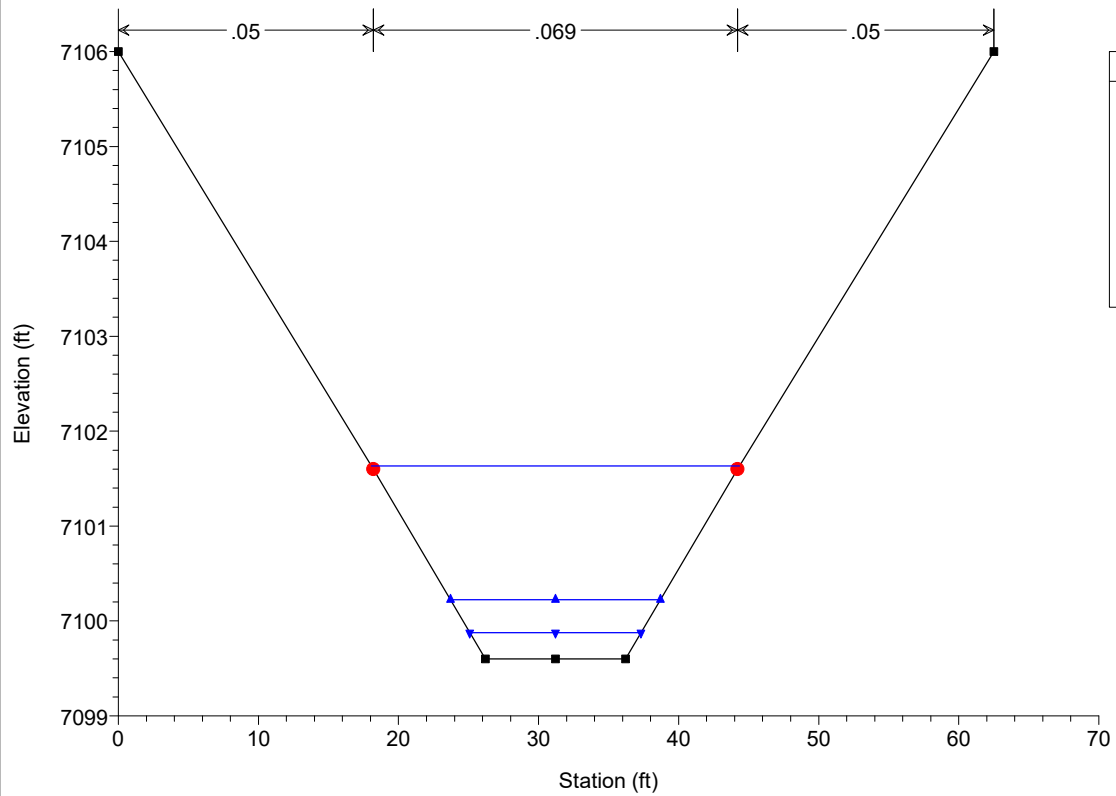
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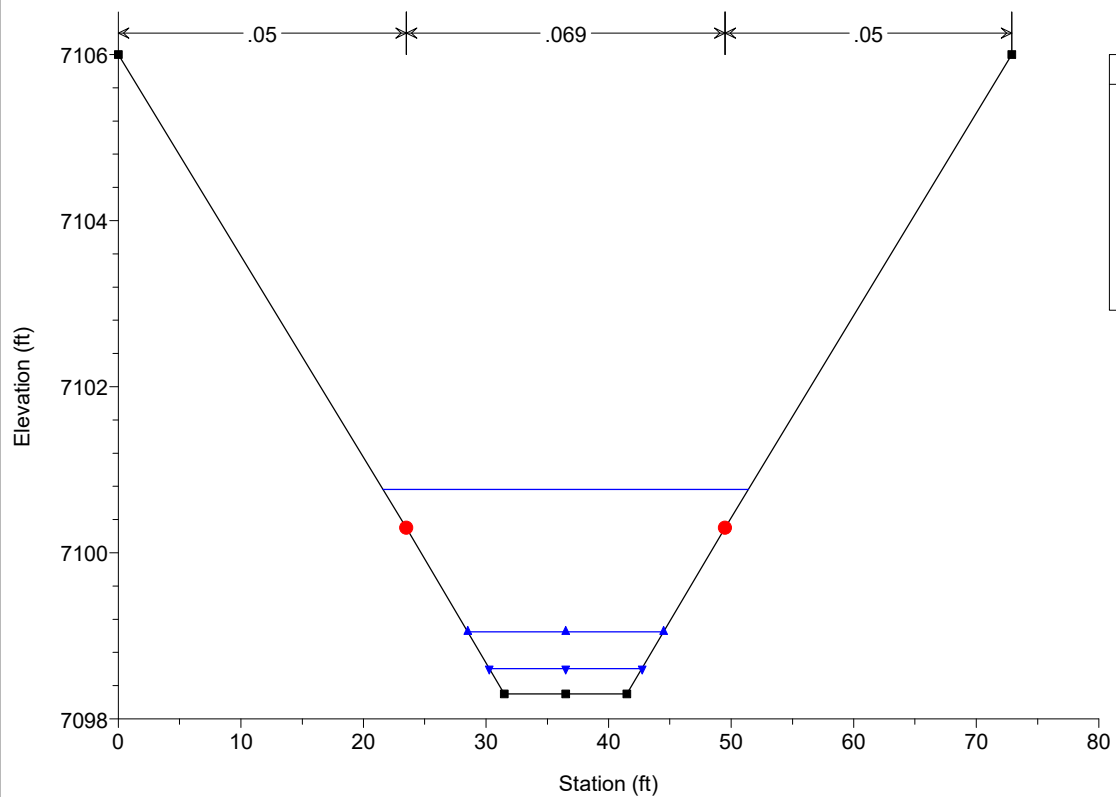
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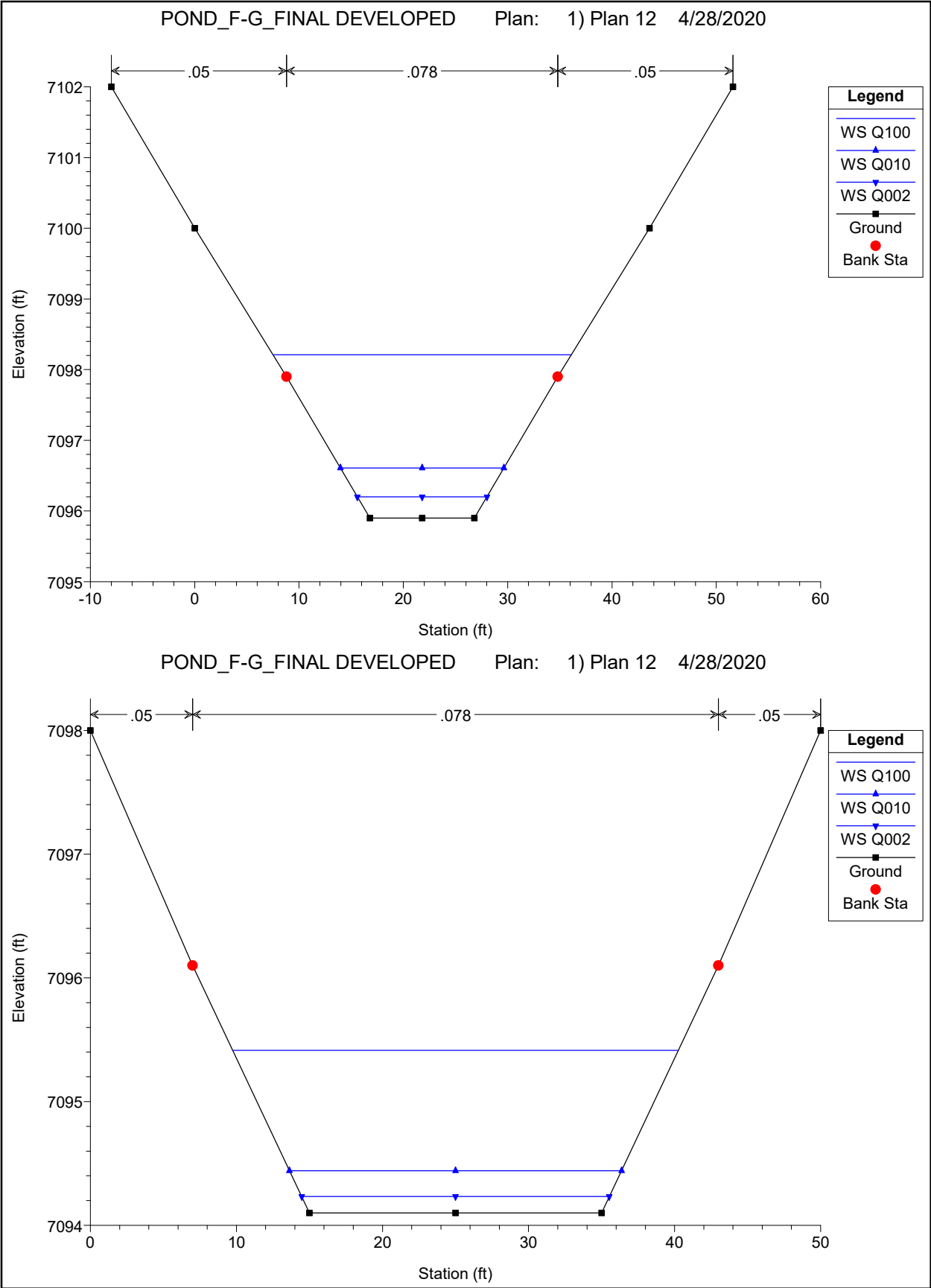


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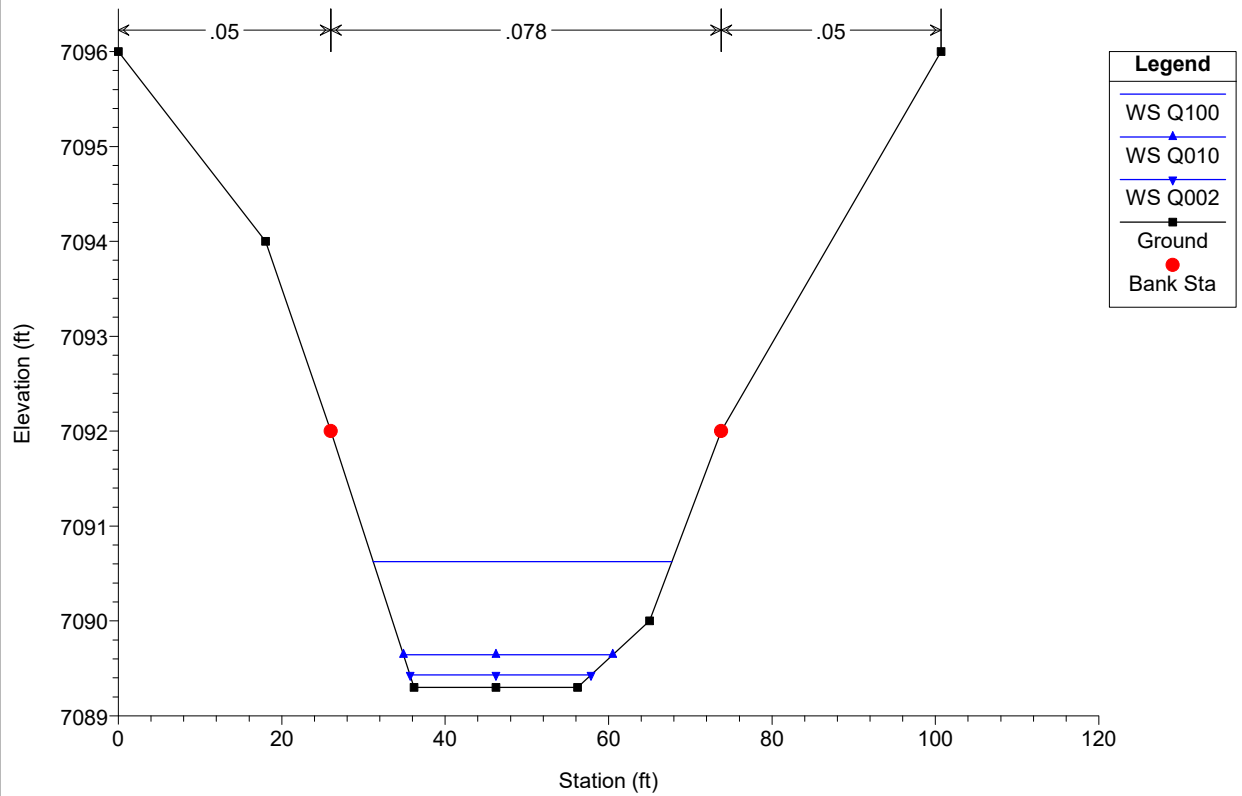


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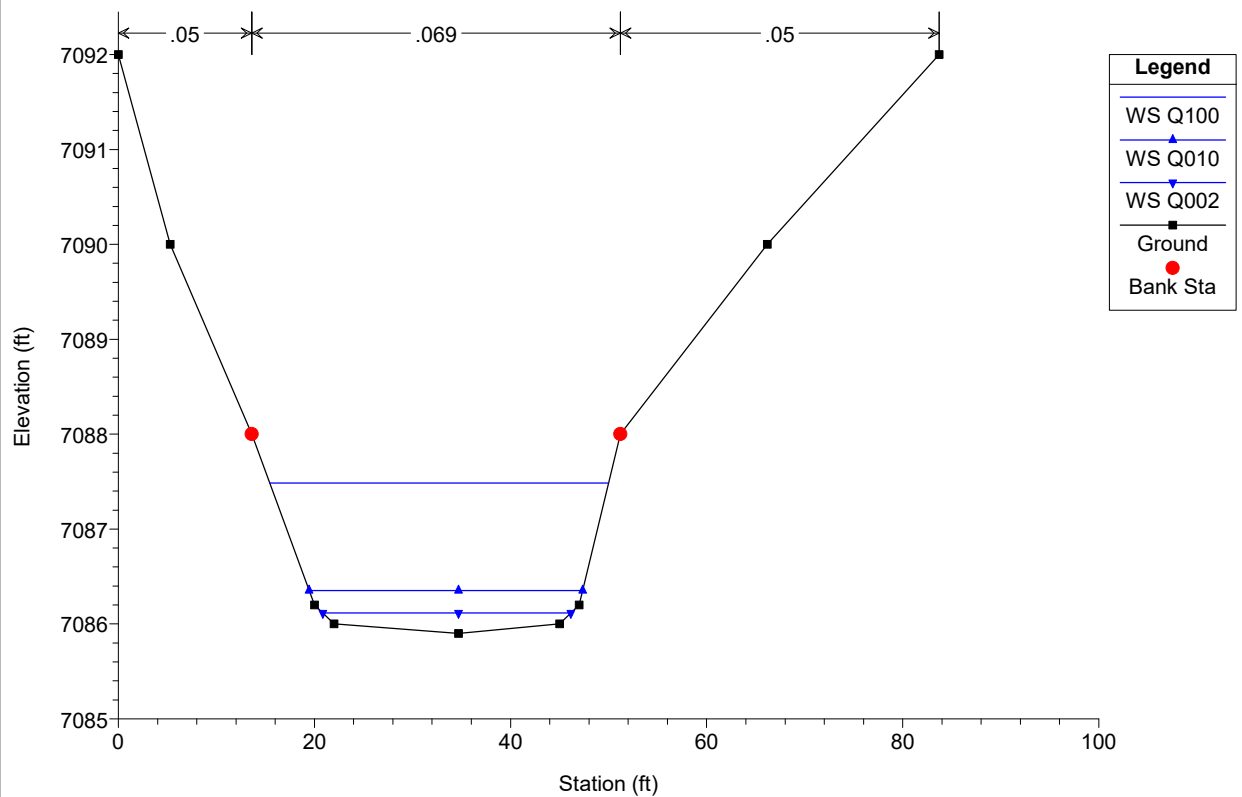


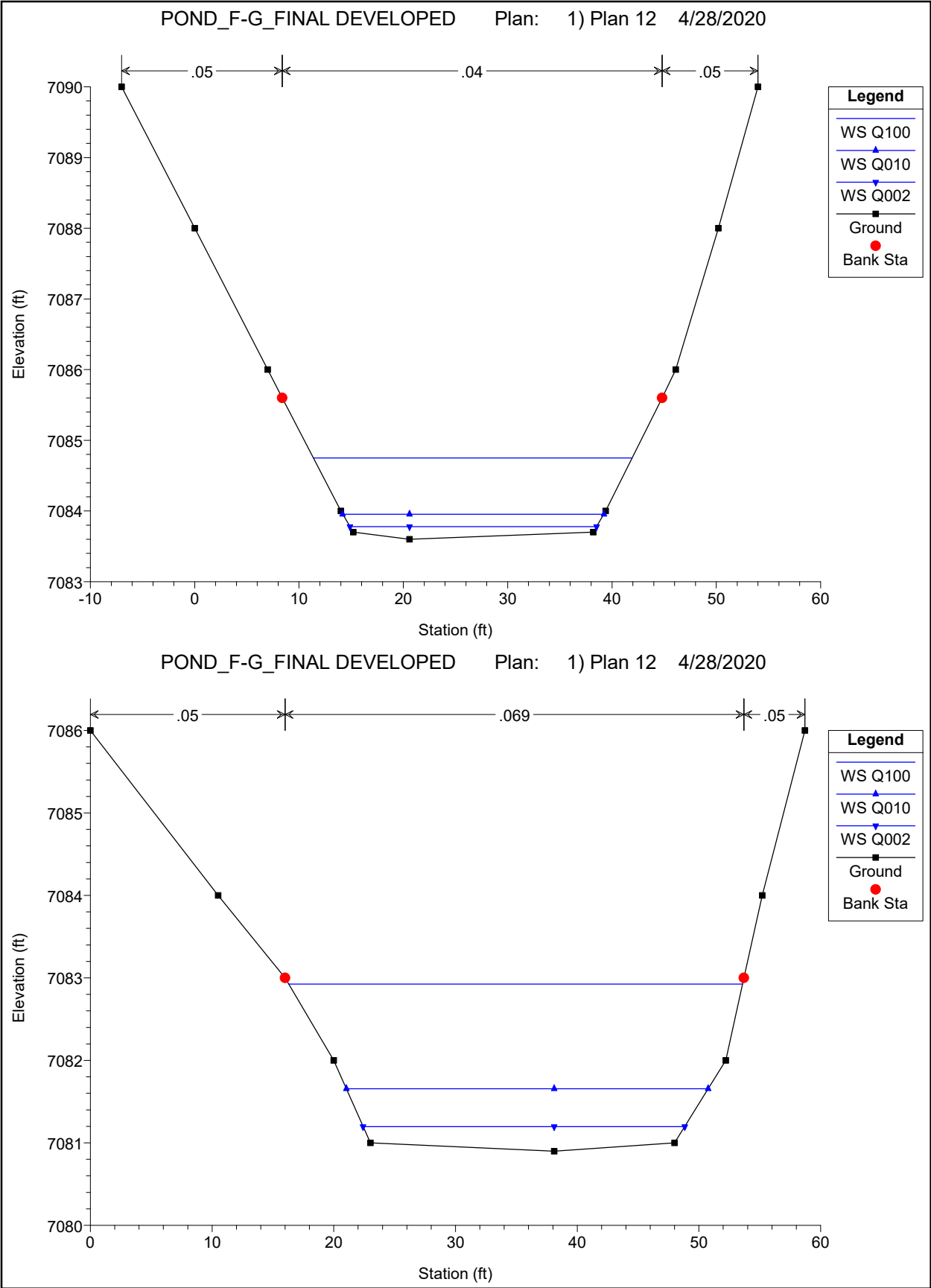


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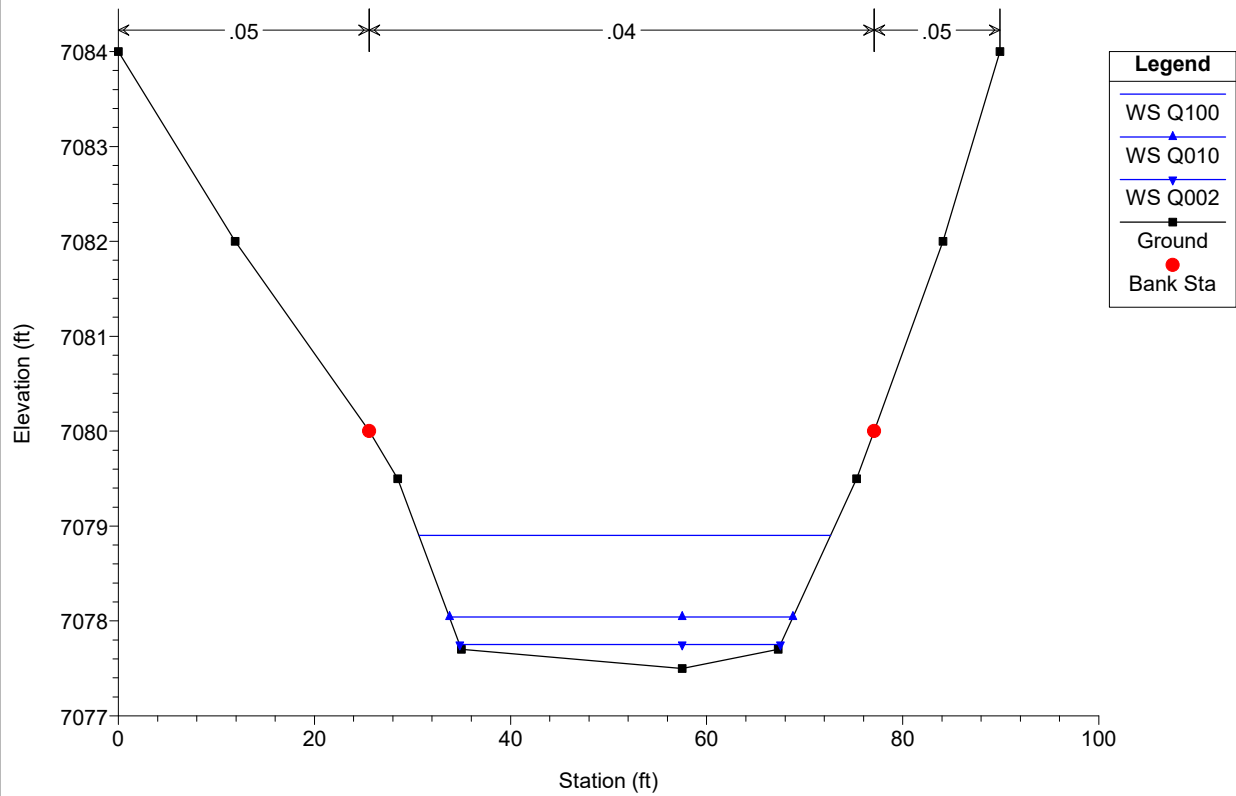


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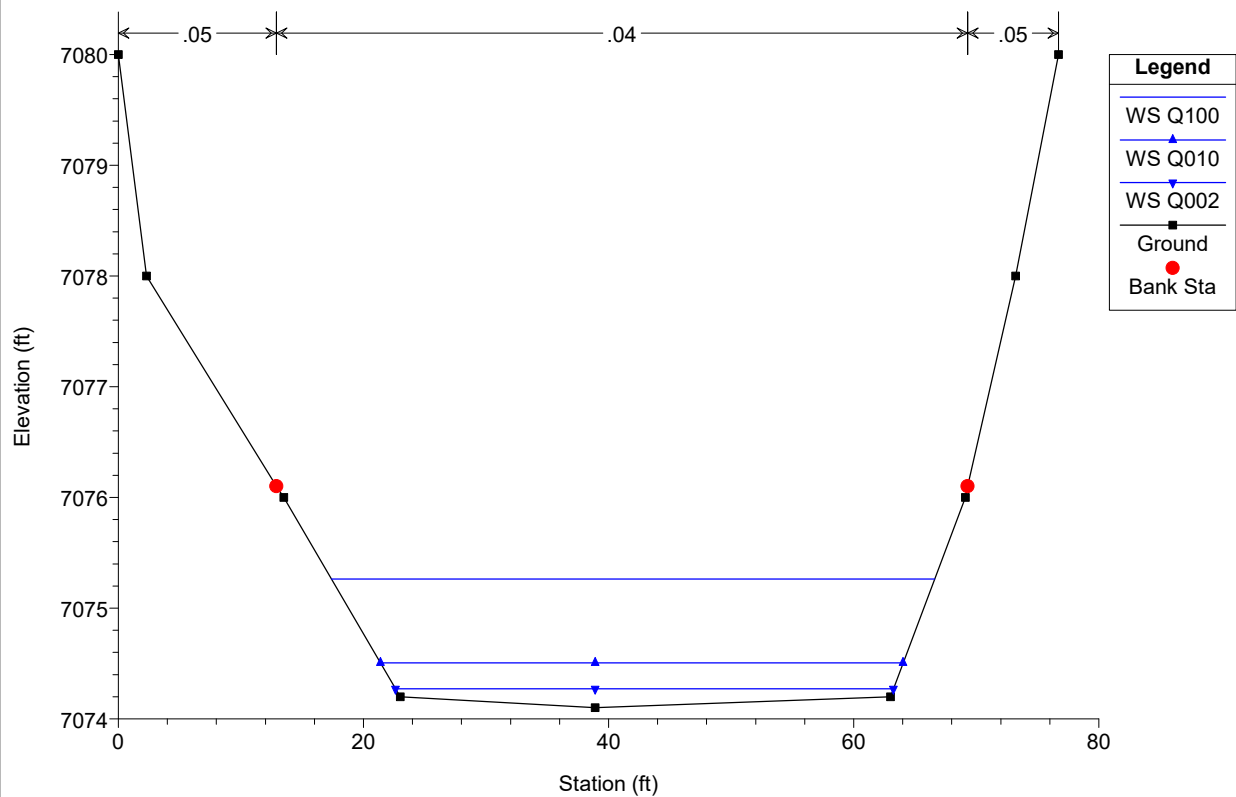


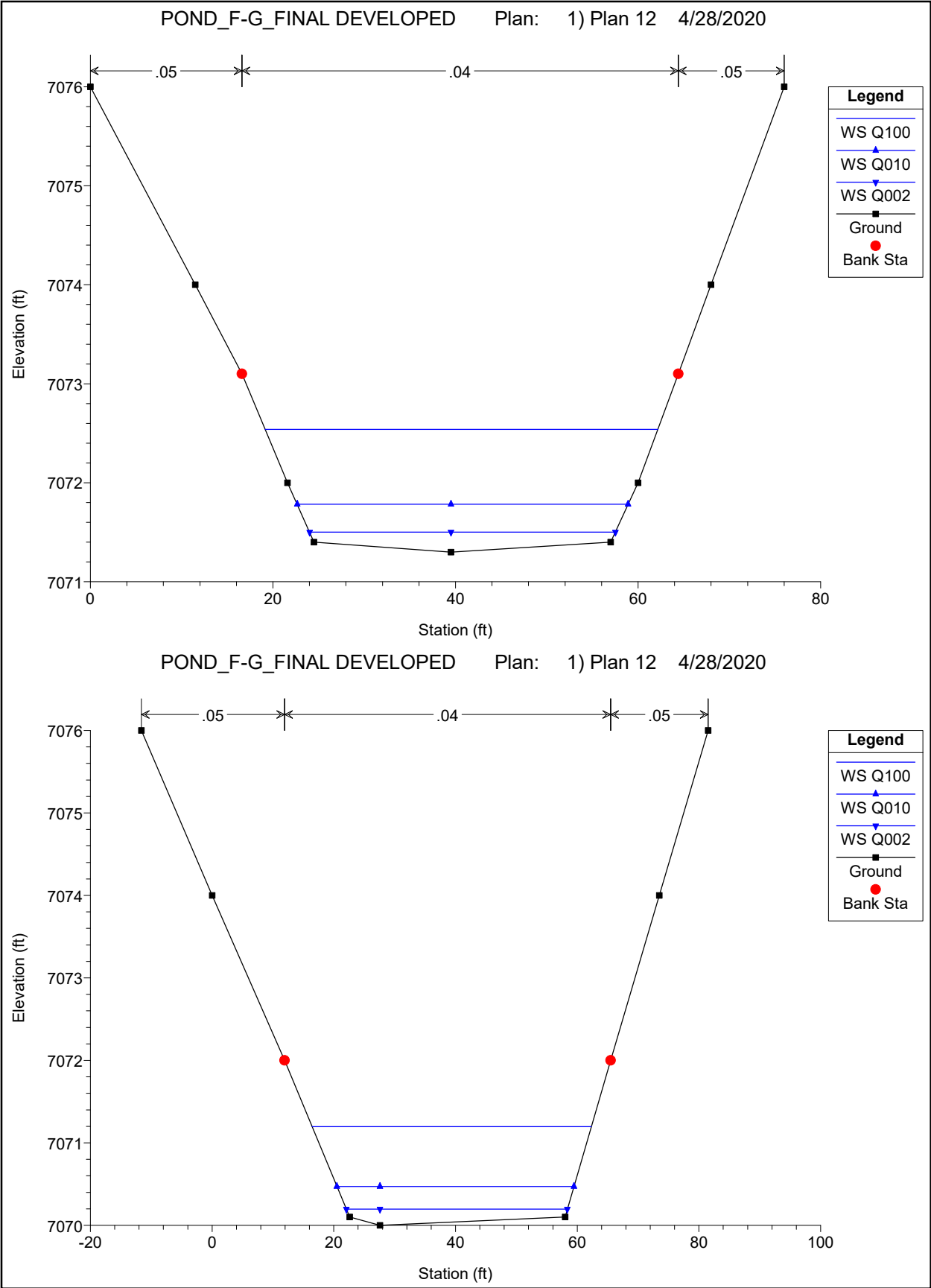


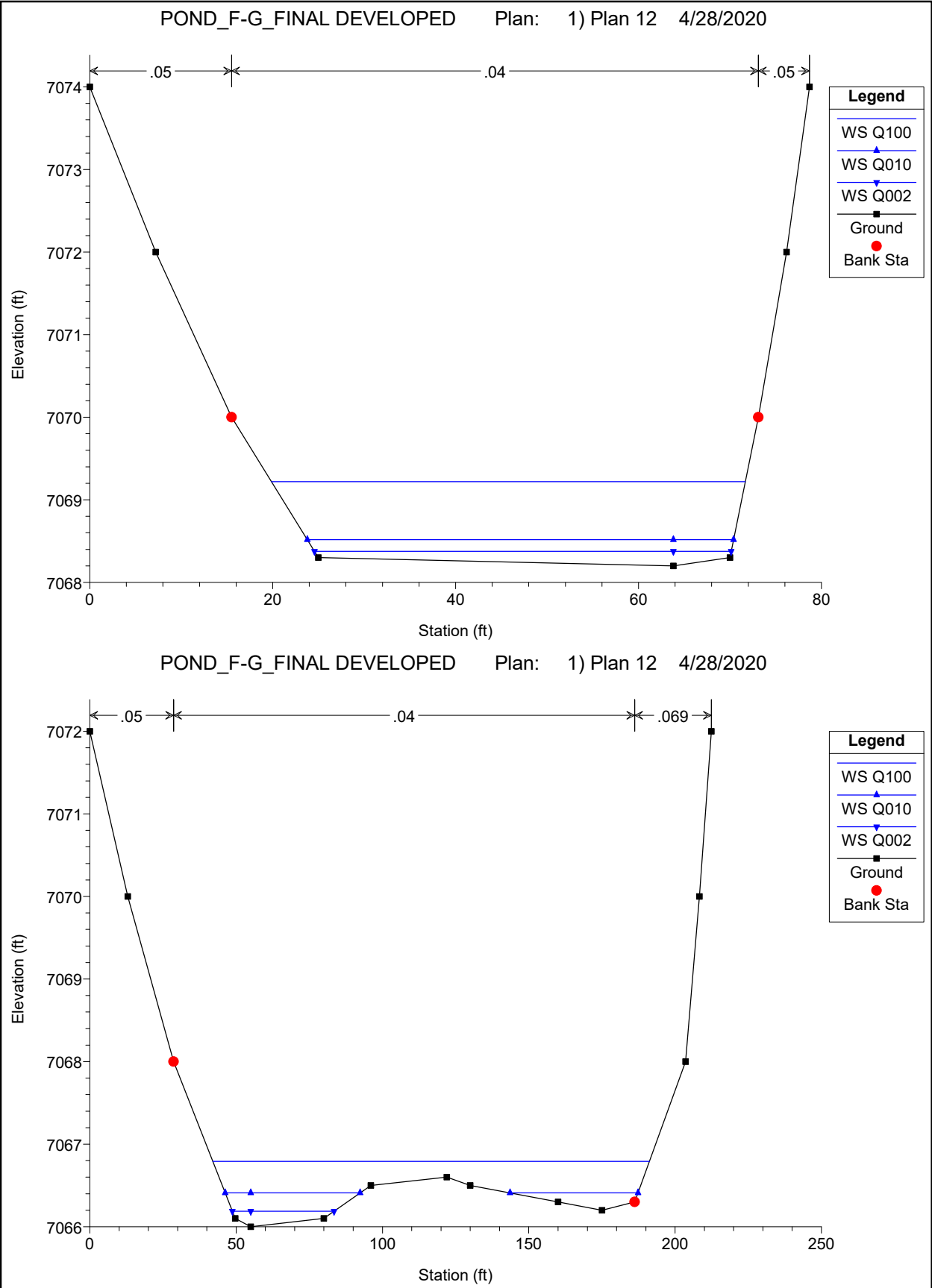
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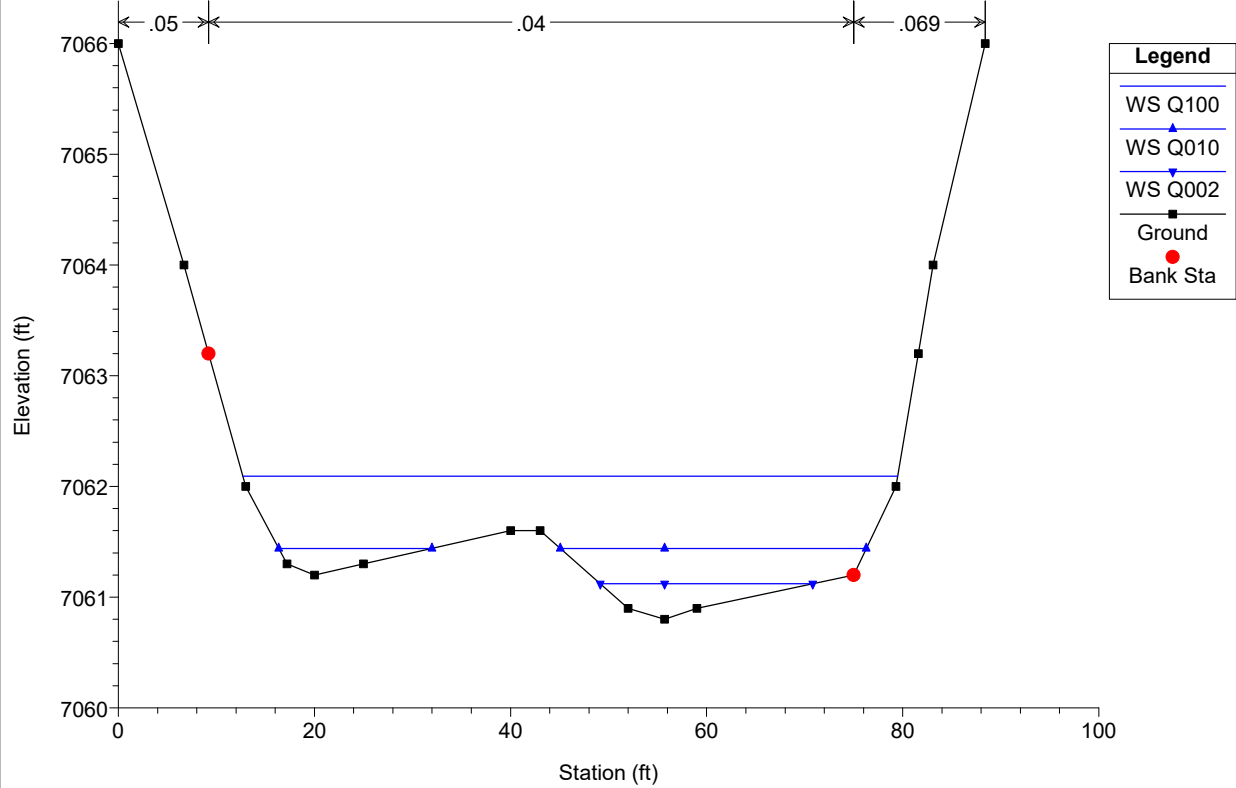
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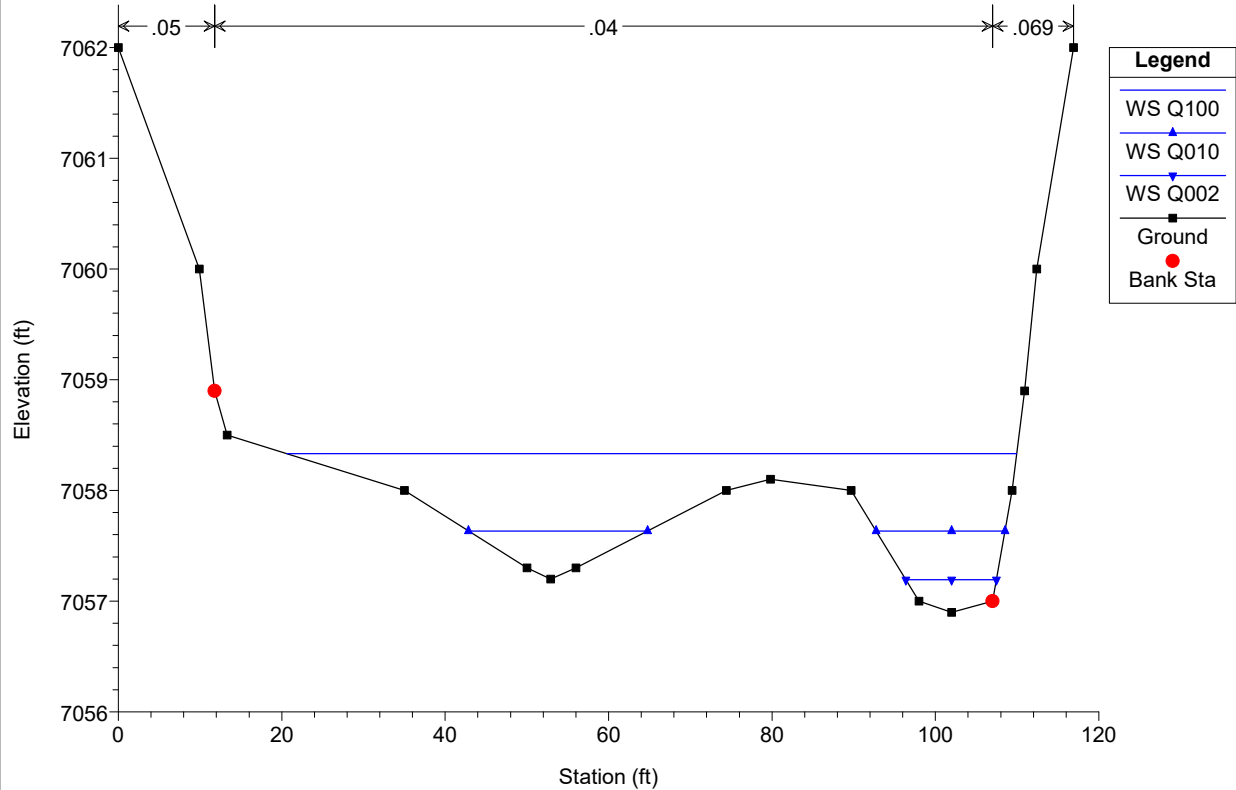


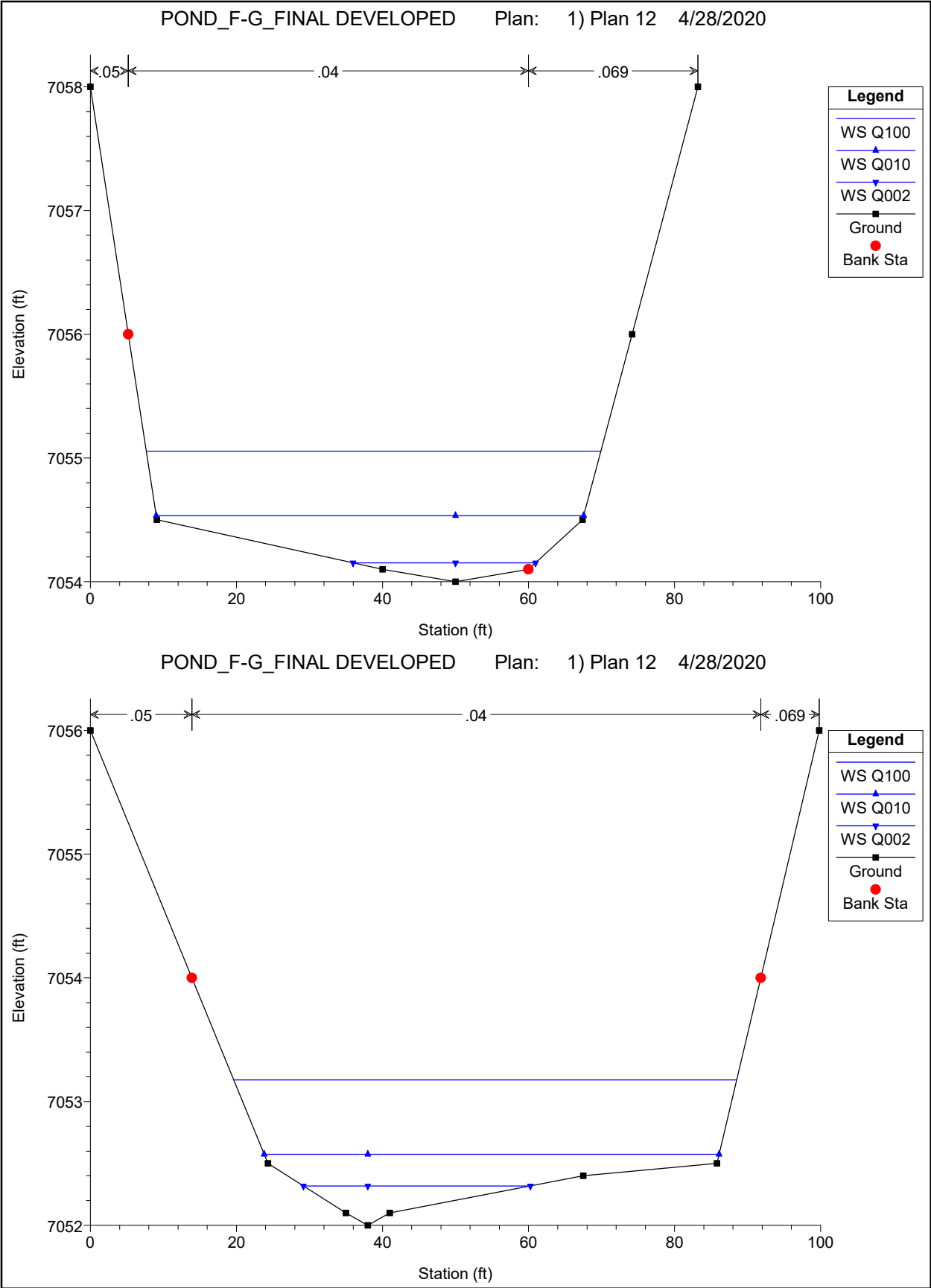


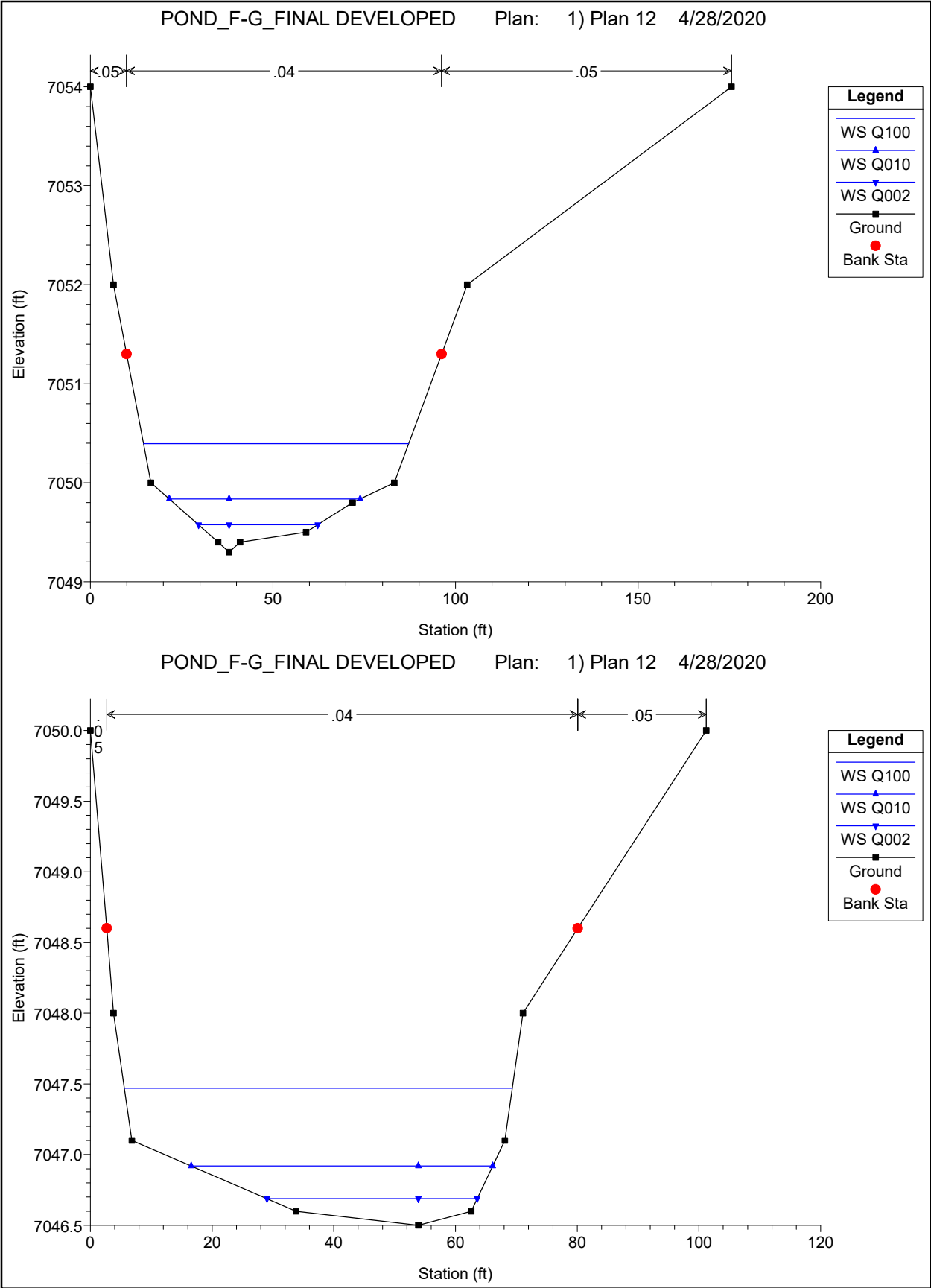
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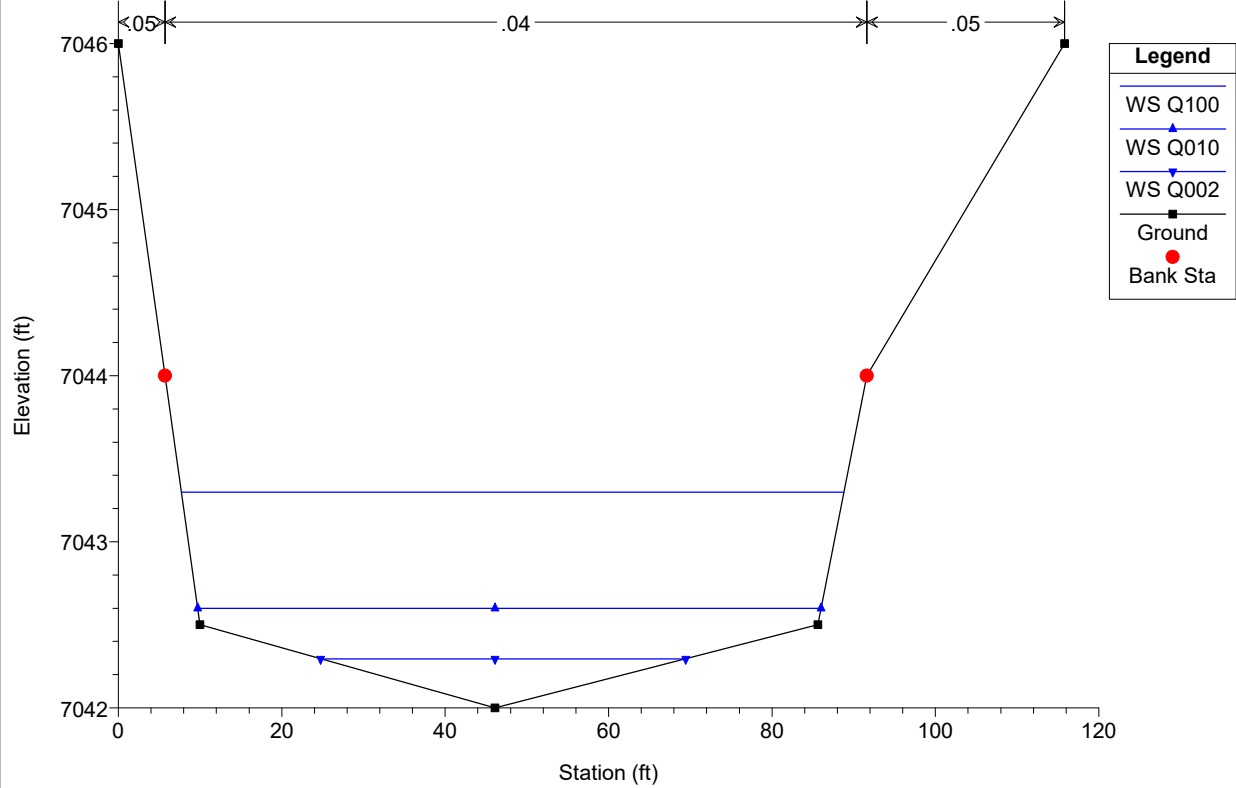
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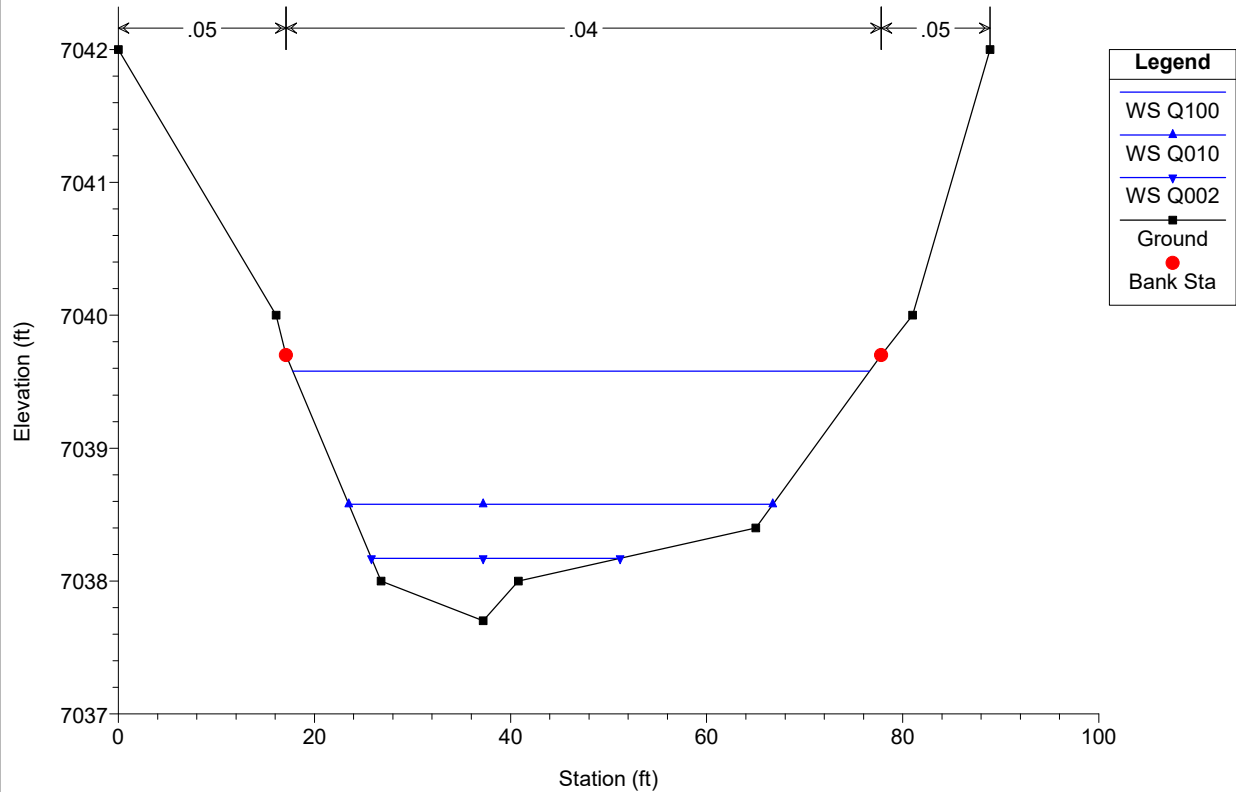


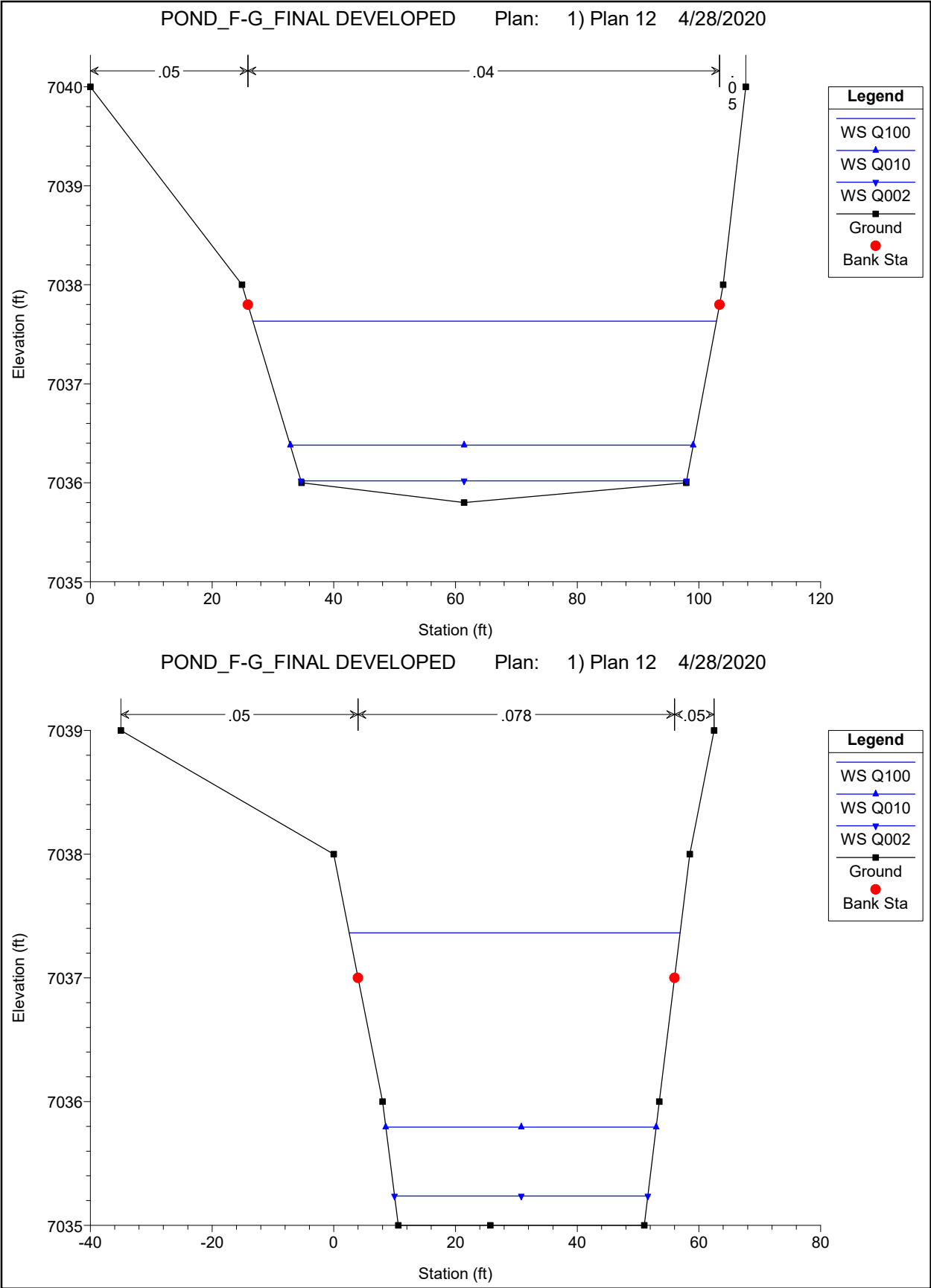


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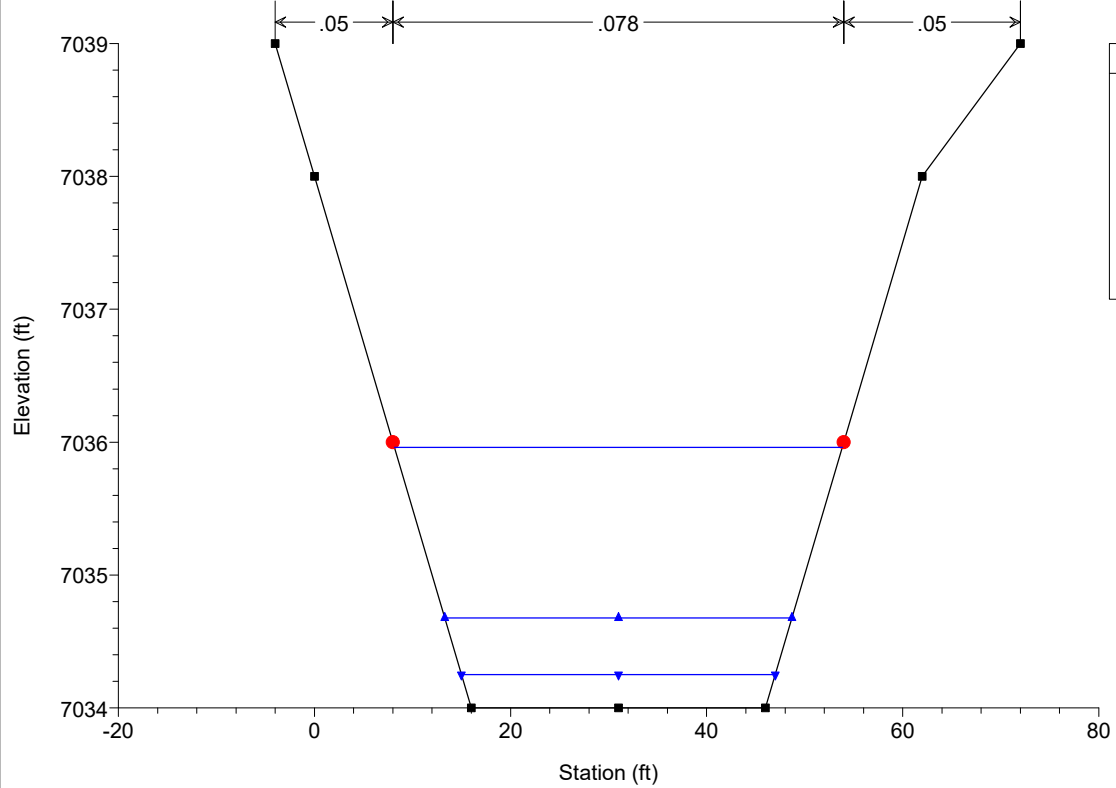


POND_F-G_FINAL DEVELOPED Plan: 1) Plan 12 4/28/2020

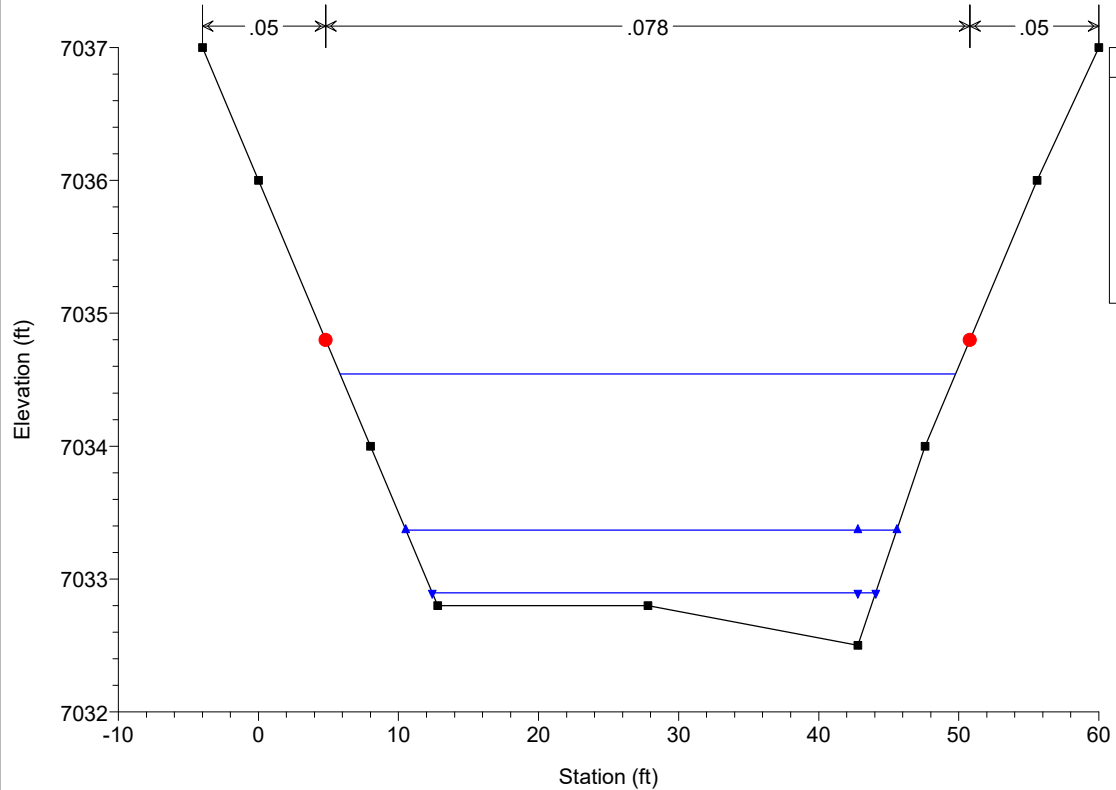




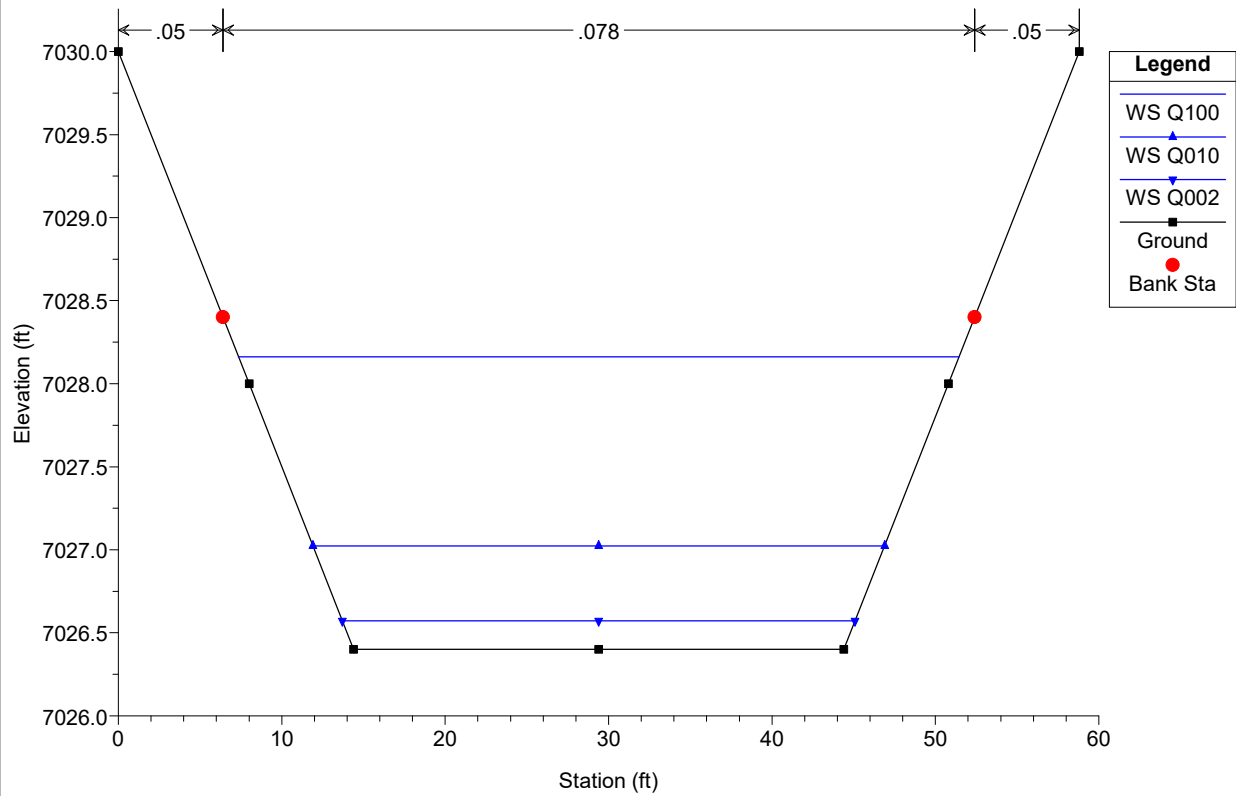
POND_F-G_FINAL DEVELOPED Plan: 1) Plan 12 4/28/2020



POND_F-G_FINAL DEVELOPED Plan: 1) Plan 12 4/28/2020



POND_F-G_FINAL DEVELOPED Plan: 1) Plan 12 4/28/2020



HISTORIC CONDITION

DEPTH ANALYSIS

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 4141 Profile: Q100

E.G. Elev (ft)	7090.84	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.43	Wt. n-Val.		0.040	
W.S. Elev (ft)	7090.42	Reach Len. (ft)	26.60	28.80	30.40
Crit W.S. (ft)	7090.40	Flow Area (sq ft)		36.61	
E.G. Slope (ft/ft)	0.023555	Area (sq ft)		36.61	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	41.36	Top Width (ft)		41.36	
Vel Total (ft/s)	5.24	Avg. Vel. (ft/s)		5.24	
Max Chl Dpth (ft)	1.22	Hydr. Depth (ft)		0.89	
Conv. Total (cfs)	1251.0	Conv. (cfs)		1251.0	
Length Wtd. (ft)	28.80	Wetted Per. (ft)		41.50	
Min Ch El (ft)	7089.20	Shear (lb/sq ft)		1.30	
Alpha	1.00	Stream Power (lb/ft s)		6.80	
Frctn Loss (ft)	0.65	Cum Volume (acre-ft)	0.00	4.09	0.00
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	4.29	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 4112.20* Profile: Q100

E.G. Elev (ft)	7090.19	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.41	Wt. n-Val.		0.040	
W.S. Elev (ft)	7089.79	Reach Len. (ft)	26.60	28.80	30.40
Crit W.S. (ft)	7089.74	Flow Area (sq ft)		37.56	
E.G. Slope (ft/ft)	0.021349	Area (sq ft)		37.56	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	40.94	Top Width (ft)		40.94	
Vel Total (ft/s)	5.11	Avg. Vel. (ft/s)		5.11	
Max Chl Dpth (ft)	1.25	Hydr. Depth (ft)		0.92	
Conv. Total (cfs)	1314.1	Conv. (cfs)		1314.1	
Length Wtd. (ft)	28.80	Wetted Per. (ft)		41.09	
Min Ch El (ft)	7088.54	Shear (lb/sq ft)		1.22	
Alpha	1.00	Stream Power (lb/ft s)		6.23	
Frctn Loss (ft)	0.65	Cum Volume (acre-ft)	0.00	4.07	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	4.26	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 4083.40* Profile: Q100

E.G. Elev (ft)	7089.54	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.45	Wt. n-Val.		0.040	
W.S. Elev (ft)	7089.09	Reach Len. (ft)	26.60	28.80	30.40
Crit W.S. (ft)	7089.08	Flow Area (sq ft)		35.67	
E.G. Slope (ft/ft)	0.023846	Area (sq ft)		35.67	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	39.09	Top Width (ft)		39.09	
Vel Total (ft/s)	5.38	Avg. Vel. (ft/s)		5.38	
Max Chl Dpth (ft)	1.21	Hydr. Depth (ft)		0.91	
Conv. Total (cfs)	1243.3	Conv. (cfs)		1243.3	
Length Wtd. (ft)	28.80	Wetted Per. (ft)		39.25	
Min Ch El (ft)	7087.88	Shear (lb/sq ft)		1.35	
Alpha	1.00	Stream Power (lb/ft s)		7.28	
Frctn Loss (ft)	0.64	Cum Volume (acre-ft)	0.00	4.04	0.00
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	4.24	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 4054.60* Profile: Q100

E.G. Elev (ft)	7088.90	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.43	Wt. n-Val.		0.040	
W.S. Elev (ft)	7088.47	Reach Len. (ft)	26.60	28.80	30.40
Crit W.S. (ft)	7088.42	Flow Area (sq ft)		36.65	
E.G. Slope (ft/ft)	0.020617	Area (sq ft)		36.65	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	37.46	Top Width (ft)		37.46	
Vel Total (ft/s)	5.24	Avg. Vel. (ft/s)		5.24	
Max Chl Dpth (ft)	1.25	Hydr. Depth (ft)		0.98	
Conv. Total (cfs)	1337.2	Conv. (cfs)		1337.2	
Length Wtd. (ft)	28.80	Wetted Per. (ft)		37.66	
Min Ch El (ft)	7087.22	Shear (lb/sq ft)		1.25	
Alpha	1.00	Stream Power (lb/ft s)		6.56	
Frctn Loss (ft)	0.64	Cum Volume (acre-ft)	0.00	4.02	0.00
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	4.21	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 4025.80* Profile: Q100

E.G. Elev (ft)	7088.26	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.49	Wt. n-Val.		0.040	
W.S. Elev (ft)	7087.77	Reach Len. (ft)	26.60	28.80	30.40
Crit W.S. (ft)	7087.76	Flow Area (sq ft)		34.19	
E.G. Slope (ft/ft)	0.023665	Area (sq ft)		34.19	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	34.86	Top Width (ft)		34.86	
Vel Total (ft/s)	5.62	Avg. Vel. (ft/s)		5.62	
Max Chl Dpth (ft)	1.21	Hydr. Depth (ft)		0.98	
Conv. Total (cfs)	1248.1	Conv. (cfs)		1248.1	
Length Wtd. (ft)	28.80	Wetted Per. (ft)		35.10	
Min Ch El (ft)	7086.56	Shear (lb/sq ft)		1.44	
Alpha	1.00	Stream Power (lb/ft s)		8.08	
Frctn Loss (ft)	0.60	Cum Volume (acre-ft)	0.00	3.99	0.00
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	4.19	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3997 Profile: Q100

E.G. Elev (ft)	7087.64	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.44	Wt. n-Val.		0.040	
W.S. Elev (ft)	7087.19	Reach Len. (ft)	20.83	19.50	18.33
Crit W.S. (ft)	7087.12	Flow Area (sq ft)		35.89	
E.G. Slope (ft/ft)	0.018699	Area (sq ft)		35.89	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	32.85	Top Width (ft)		32.85	
Vel Total (ft/s)	5.35	Avg. Vel. (ft/s)		5.35	
Max Chl Dpth (ft)	1.29	Hydr. Depth (ft)		1.09	
Conv. Total (cfs)	1404.1	Conv. (cfs)		1404.1	
Length Wtd. (ft)	19.50	Wetted Per. (ft)		33.21	
Min Ch El (ft)	7085.90	Shear (lb/sq ft)		1.26	
Alpha	1.00	Stream Power (lb/ft s)		6.75	
Frctn Loss (ft)	0.36	Cum Volume (acre-ft)	0.00	3.97	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	4.17	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3977.50* Profile: Q100

E.G. Elev (ft)	7087.27	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.44	Wt. n-Val.		0.040	
W.S. Elev (ft)	7086.83	Reach Len. (ft)	20.83	19.50	18.33
Crit W.S. (ft)	7086.74	Flow Area (sq ft)		35.93	
E.G. Slope (ft/ft)	0.018539	Area (sq ft)		35.93	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	32.74	Top Width (ft)		32.74	
Vel Total (ft/s)	5.34	Avg. Vel. (ft/s)		5.34	
Max Chl Dpth (ft)	1.31	Hydr. Depth (ft)		1.10	
Conv. Total (cfs)	1410.1	Conv. (cfs)		1410.1	
Length Wtd. (ft)	19.50	Wetted Per. (ft)		33.08	
Min Ch El (ft)	7085.52	Shear (lb/sq ft)		1.26	
Alpha	1.00	Stream Power (lb/ft s)		6.72	
Frctn Loss (ft)	0.37	Cum Volume (acre-ft)	0.00	3.96	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	4.15	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3958.00* Profile: Q100

E.G. Elev (ft)	7086.90	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.45	Wt. n-Val.		0.040	
W.S. Elev (ft)	7086.45	Reach Len. (ft)	20.83	19.50	18.33
Crit W.S. (ft)	7086.38	Flow Area (sq ft)		35.61	
E.G. Slope (ft/ft)	0.018934	Area (sq ft)		35.61	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	32.55	Top Width (ft)		32.55	
Vel Total (ft/s)	5.39	Avg. Vel. (ft/s)		5.39	
Max Chl Dpth (ft)	1.32	Hydr. Depth (ft)		1.09	
Conv. Total (cfs)	1395.3	Conv. (cfs)		1395.3	
Length Wtd. (ft)	19.50	Wetted Per. (ft)		32.88	
Min Ch El (ft)	7085.13	Shear (lb/sq ft)		1.28	
Alpha	1.00	Stream Power (lb/ft s)		6.90	
Frctn Loss (ft)	0.37	Cum Volume (acre-ft)	0.00	3.94	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	4.14	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3938.50* Profile: Q100

E.G. Elev (ft)	7086.53	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.45	Wt. n-Val.		0.040	
W.S. Elev (ft)	7086.08	Reach Len. (ft)	20.83	19.50	18.33
Crit W.S. (ft)	7086.00	Flow Area (sq ft)		35.55	
E.G. Slope (ft/ft)	0.018930	Area (sq ft)		35.55	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	32.40	Top Width (ft)		32.40	
Vel Total (ft/s)	5.40	Avg. Vel. (ft/s)		5.40	
Max Chl Dpth (ft)	1.33	Hydr. Depth (ft)		1.10	
Conv. Total (cfs)	1395.5	Conv. (cfs)		1395.5	
Length Wtd. (ft)	19.50	Wetted Per. (ft)		32.72	
Min Ch El (ft)	7084.75	Shear (lb/sq ft)		1.28	
Alpha	1.00	Stream Power (lb/ft s)		6.93	
Frctn Loss (ft)	0.37	Cum Volume (acre-ft)	0.00	3.92	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	4.12	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3919.00* Profile: Q100

E.G. Elev (ft)	7086.16	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.46	Wt. n-Val.		0.040	
W.S. Elev (ft)	7085.70	Reach Len. (ft)	20.83	19.50	18.33
Crit W.S. (ft)	7085.63	Flow Area (sq ft)		35.17	
E.G. Slope (ft/ft)	0.019442	Area (sq ft)		35.17	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	32.17	Top Width (ft)		32.17	
Vel Total (ft/s)	5.46	Avg. Vel. (ft/s)		5.46	
Max Chl Dpth (ft)	1.33	Hydr. Depth (ft)		1.09	
Conv. Total (cfs)	1377.0	Conv. (cfs)		1377.0	
Length Wtd. (ft)	19.50	Wetted Per. (ft)		32.49	
Min Ch El (ft)	7084.37	Shear (lb/sq ft)		1.31	
Alpha	1.00	Stream Power (lb/ft s)		7.17	
Frctn Loss (ft)	0.38	Cum Volume (acre-ft)	0.00	3.91	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	4.11	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3899.50* Profile: Q100

E.G. Elev (ft)	7085.78	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.47	Wt. n-Val.		0.040	
W.S. Elev (ft)	7085.31	Reach Len. (ft)	20.83	19.50	18.33
Crit W.S. (ft)	7085.25	Flow Area (sq ft)		35.02	
E.G. Slope (ft/ft)	0.019554	Area (sq ft)		35.02	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	31.96	Top Width (ft)		31.96	
Vel Total (ft/s)	5.48	Avg. Vel. (ft/s)		5.48	
Max Chl Dpth (ft)	1.33	Hydr. Depth (ft)		1.10	
Conv. Total (cfs)	1373.0	Conv. (cfs)		1373.0	
Length Wtd. (ft)	19.50	Wetted Per. (ft)		32.29	
Min Ch El (ft)	7083.98	Shear (lb/sq ft)		1.32	
Alpha	1.00	Stream Power (lb/ft s)		7.26	
Frctn Loss (ft)	0.33	Cum Volume (acre-ft)	0.00	3.89	0.00
C & E Loss (ft)	0.02	Cum SA (acres)	0.00	4.09	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3880 Profile: Q100

E.G. Elev (ft)	7085.42	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.39	Wt. n-Val.		0.040	
W.S. Elev (ft)	7085.03	Reach Len. (ft)	35.00	36.00	36.60
Crit W.S. (ft)		Flow Area (sq ft)		38.29	
E.G. Slope (ft/ft)	0.014866	Area (sq ft)		38.29	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	32.50	Top Width (ft)		32.50	
Vel Total (ft/s)	5.01	Avg. Vel. (ft/s)		5.01	
Max Chl Dpth (ft)	1.43	Hydr. Depth (ft)		1.18	
Conv. Total (cfs)	1574.7	Conv. (cfs)		1574.7	
Length Wtd. (ft)	36.00	Wetted Per. (ft)		32.87	
Min Ch El (ft)	7083.60	Shear (lb/sq ft)		1.08	
Alpha	1.00	Stream Power (lb/ft s)		5.42	
Frctn Loss (ft)	0.54	Cum Volume (acre-ft)	0.00	3.88	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	4.08	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3844.00* Profile: Q100

E.G. Elev (ft)	7084.88	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.39	Wt. n-Val.		0.040	
W.S. Elev (ft)	7084.49	Reach Len. (ft)	35.00	36.00	36.60
Crit W.S. (ft)		Flow Area (sq ft)		38.21	
E.G. Slope (ft/ft)	0.015133	Area (sq ft)		38.21	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	32.80	Top Width (ft)		32.80	
Vel Total (ft/s)	5.03	Avg. Vel. (ft/s)		5.03	
Max Chl Dpth (ft)	1.43	Hydr. Depth (ft)		1.16	
Conv. Total (cfs)	1560.8	Conv. (cfs)		1560.8	
Length Wtd. (ft)	36.00	Wetted Per. (ft)		33.13	
Min Ch El (ft)	7083.06	Shear (lb/sq ft)		1.09	
Alpha	1.00	Stream Power (lb/ft s)		5.47	
Frctn Loss (ft)	0.54	Cum Volume (acre-ft)	0.00	3.84	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	4.05	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3808.00* Profile: Q100

E.G. Elev (ft)	7084.34	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.39	Wt. n-Val.		0.040	
W.S. Elev (ft)	7083.95	Reach Len. (ft)	35.00	36.00	36.60
Crit W.S. (ft)		Flow Area (sq ft)		38.41	
E.G. Slope (ft/ft)	0.015064	Area (sq ft)		38.41	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	33.13	Top Width (ft)		33.13	
Vel Total (ft/s)	5.00	Avg. Vel. (ft/s)		5.00	
Max Chl Dpth (ft)	1.43	Hydr. Depth (ft)		1.16	
Conv. Total (cfs)	1564.3	Conv. (cfs)		1564.3	
Length Wtd. (ft)	36.00	Wetted Per. (ft)		33.45	
Min Ch El (ft)	7082.52	Shear (lb/sq ft)		1.08	
Alpha	1.00	Stream Power (lb/ft s)		5.40	
Frctn Loss (ft)	0.55	Cum Volume (acre-ft)	0.00	3.81	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	4.02	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3772.00* Profile: Q100

E.G. Elev (ft)	7083.79	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.39	Wt. n-Val.		0.040	
W.S. Elev (ft)	7083.40	Reach Len. (ft)	35.00	36.00	36.60
Crit W.S. (ft)		Flow Area (sq ft)		38.21	
E.G. Slope (ft/ft)	0.015463	Area (sq ft)		38.21	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	33.36	Top Width (ft)		33.36	
Vel Total (ft/s)	5.03	Avg. Vel. (ft/s)		5.03	
Max Chl Dpth (ft)	1.42	Hydr. Depth (ft)		1.15	
Conv. Total (cfs)	1544.0	Conv. (cfs)		1544.0	
Length Wtd. (ft)	36.00	Wetted Per. (ft)		33.67	
Min Ch El (ft)	7081.98	Shear (lb/sq ft)		1.10	
Alpha	1.00	Stream Power (lb/ft s)		5.50	
Frctn Loss (ft)	0.54	Cum Volume (acre-ft)	0.00	3.78	0.00
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	4.00	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3736.00* Profile: Q100

E.G. Elev (ft)	7083.25	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.37	Wt. n-Val.		0.040	
W.S. Elev (ft)	7082.88	Reach Len. (ft)	35.00	36.00	36.60
Crit W.S. (ft)		Flow Area (sq ft)		39.31	
E.G. Slope (ft/ft)	0.014311	Area (sq ft)		39.31	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	33.78	Top Width (ft)		33.78	
Vel Total (ft/s)	4.88	Avg. Vel. (ft/s)		4.88	
Max Chl Dpth (ft)	1.44	Hydr. Depth (ft)		1.16	
Conv. Total (cfs)	1605.0	Conv. (cfs)		1605.0	
Length Wtd. (ft)	36.00	Wetted Per. (ft)		34.11	
Min Ch El (ft)	7081.44	Shear (lb/sq ft)		1.03	
Alpha	1.00	Stream Power (lb/ft s)		5.03	
Frctn Loss (ft)	0.58	Cum Volume (acre-ft)	0.00	3.75	0.00
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	3.97	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3700 Profile: Q100

E.G. Elev (ft)	7082.67	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.43	Wt. n-Val.		0.040	
W.S. Elev (ft)	7082.24	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)	7082.15	Flow Area (sq ft)		36.60	
E.G. Slope (ft/ft)	0.017963	Area (sq ft)		36.60	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	33.51	Top Width (ft)		33.51	
Vel Total (ft/s)	5.25	Avg. Vel. (ft/s)		5.25	
Max Chl Dpth (ft)	1.34	Hydr. Depth (ft)		1.09	
Conv. Total (cfs)	1432.6	Conv. (cfs)		1432.6	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		33.83	
Min Ch El (ft)	7080.90	Shear (lb/sq ft)		1.21	
Alpha	1.00	Stream Power (lb/ft s)		6.36	
Frctn Loss (ft)	0.45	Cum Volume (acre-ft)	0.00	3.72	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.94	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3675.00* Profile: Q100

E.G. Elev (ft)	7082.22	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.42	Wt. n-Val.		0.040	
W.S. Elev (ft)	7081.80	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)	7081.71	Flow Area (sq ft)		37.10	
E.G. Slope (ft/ft)	0.017923	Area (sq ft)		37.10	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	34.67	Top Width (ft)		34.67	
Vel Total (ft/s)	5.18	Avg. Vel. (ft/s)		5.18	
Max Chl Dpth (ft)	1.32	Hydr. Depth (ft)		1.07	
Conv. Total (cfs)	1434.2	Conv. (cfs)		1434.2	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		34.95	
Min Ch El (ft)	7080.48	Shear (lb/sq ft)		1.19	
Alpha	1.00	Stream Power (lb/ft s)		6.15	
Frctn Loss (ft)	0.45	Cum Volume (acre-ft)	0.00	3.70	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.92	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3650.00* Profile: Q100

E.G. Elev (ft)	7081.76	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.41	Wt. n-Val.		0.040	
W.S. Elev (ft)	7081.36	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)	7081.26	Flow Area (sq ft)		37.44	
E.G. Slope (ft/ft)	0.018064	Area (sq ft)		37.44	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	35.72	Top Width (ft)		35.72	
Vel Total (ft/s)	5.13	Avg. Vel. (ft/s)		5.13	
Max Chl Dpth (ft)	1.31	Hydr. Depth (ft)		1.05	
Conv. Total (cfs)	1428.5	Conv. (cfs)		1428.5	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		35.97	
Min Ch El (ft)	7080.05	Shear (lb/sq ft)		1.17	
Alpha	1.00	Stream Power (lb/ft s)		6.02	
Frctn Loss (ft)	0.45	Cum Volume (acre-ft)	0.00	3.67	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.90	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3625.00* Profile: Q100

E.G. Elev (ft)	7081.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.40	Wt. n-Val.		0.040	
W.S. Elev (ft)	7080.91	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)	7080.82	Flow Area (sq ft)		37.85	
E.G. Slope (ft/ft)	0.017913	Area (sq ft)		37.85	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	36.50	Top Width (ft)		36.50	
Vel Total (ft/s)	5.07	Avg. Vel. (ft/s)		5.07	
Max Chl Dpth (ft)	1.29	Hydr. Depth (ft)		1.04	
Conv. Total (cfs)	1434.5	Conv. (cfs)		1434.5	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		36.74	
Min Ch El (ft)	7079.62	Shear (lb/sq ft)		1.15	
Alpha	1.00	Stream Power (lb/ft s)		5.84	
Frctn Loss (ft)	0.45	Cum Volume (acre-ft)	0.00	3.65	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.88	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3600.00* Profile: Q100

E.G. Elev (ft)	7080.86	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.39	Wt. n-Val.		0.040	
W.S. Elev (ft)	7080.47	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)	7080.37	Flow Area (sq ft)		38.13	
E.G. Slope (ft/ft)	0.017978	Area (sq ft)		38.13	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	37.28	Top Width (ft)		37.28	
Vel Total (ft/s)	5.04	Avg. Vel. (ft/s)		5.04	
Max Chl Dpth (ft)	1.27	Hydr. Depth (ft)		1.02	
Conv. Total (cfs)	1432.0	Conv. (cfs)		1432.0	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		37.51	
Min Ch El (ft)	7079.20	Shear (lb/sq ft)		1.14	
Alpha	1.00	Stream Power (lb/ft s)		5.75	
Frctn Loss (ft)	0.45	Cum Volume (acre-ft)	0.00	3.63	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.86	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3575.00* Profile: Q100

E.G. Elev (ft)	7080.41	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.39	Wt. n-Val.		0.040	
W.S. Elev (ft)	7080.03	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)	7079.93	Flow Area (sq ft)		38.50	
E.G. Slope (ft/ft)	0.017875	Area (sq ft)		38.50	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	38.03	Top Width (ft)		38.03	
Vel Total (ft/s)	4.99	Avg. Vel. (ft/s)		4.99	
Max Chl Dpth (ft)	1.26	Hydr. Depth (ft)		1.01	
Conv. Total (cfs)	1436.1	Conv. (cfs)		1436.1	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		38.26	
Min Ch El (ft)	7078.77	Shear (lb/sq ft)		1.12	
Alpha	1.00	Stream Power (lb/ft s)		5.60	
Frctn Loss (ft)	0.45	Cum Volume (acre-ft)	0.00	3.61	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.84	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3550.00* Profile: Q100

E.G. Elev (ft)	7079.96	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.38	Wt. n-Val.		0.040	
W.S. Elev (ft)	7079.58	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		38.75	
E.G. Slope (ft/ft)	0.017962	Area (sq ft)		38.75	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	38.80	Top Width (ft)		38.80	
Vel Total (ft/s)	4.95	Avg. Vel. (ft/s)		4.95	
Max Chl Dpth (ft)	1.23	Hydr. Depth (ft)		1.00	
Conv. Total (cfs)	1432.6	Conv. (cfs)		1432.6	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		39.03	
Min Ch El (ft)	7078.35	Shear (lb/sq ft)		1.11	
Alpha	1.00	Stream Power (lb/ft s)		5.52	
Frctn Loss (ft)	0.45	Cum Volume (acre-ft)	0.00	3.59	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.82	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3525.00* Profile: Q100

E.G. Elev (ft)	7079.51	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.38	Wt. n-Val.		0.040	
W.S. Elev (ft)	7079.13	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)	7079.03	Flow Area (sq ft)		38.84	
E.G. Slope (ft/ft)	0.018245	Area (sq ft)		38.84	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	39.48	Top Width (ft)		39.48	
Vel Total (ft/s)	4.94	Avg. Vel. (ft/s)		4.94	
Max Chl Dpth (ft)	1.21	Hydr. Depth (ft)		0.98	
Conv. Total (cfs)	1421.4	Conv. (cfs)		1421.4	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		39.72	
Min Ch El (ft)	7077.92	Shear (lb/sq ft)		1.11	
Alpha	1.00	Stream Power (lb/ft s)		5.51	
Frctn Loss (ft)	0.39	Cum Volume (acre-ft)	0.00	3.56	0.00
C & E Loss (ft)	0.02	Cum SA (acres)	0.00	3.79	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3500 Profile: Q100

E.G. Elev (ft)	7079.09	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.31	Wt. n-Val.		0.040	
W.S. Elev (ft)	7078.78	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		42.90	
E.G. Slope (ft/ft)	0.013793	Area (sq ft)		42.90	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	41.02	Top Width (ft)		41.02	
Vel Total (ft/s)	4.48	Avg. Vel. (ft/s)		4.48	
Max Chl Dpth (ft)	1.28	Hydr. Depth (ft)		1.05	
Conv. Total (cfs)	1634.8	Conv. (cfs)		1634.8	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		41.29	
Min Ch El (ft)	7077.50	Shear (lb/sq ft)		0.89	
Alpha	1.00	Stream Power (lb/ft s)		4.00	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)	0.00	3.54	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.77	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3480.77* Profile: Q100

E.G. Elev (ft)	7078.83	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.31	Wt. n-Val.		0.040	
W.S. Elev (ft)	7078.52	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		43.05	
E.G. Slope (ft/ft)	0.013928	Area (sq ft)		43.05	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	41.70	Top Width (ft)		41.70	
Vel Total (ft/s)	4.46	Avg. Vel. (ft/s)		4.46	
Max Chl Dpth (ft)	1.28	Hydr. Depth (ft)		1.03	
Conv. Total (cfs)	1626.9	Conv. (cfs)		1626.9	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		41.95	
Min Ch El (ft)	7077.24	Shear (lb/sq ft)		0.89	
Alpha	1.00	Stream Power (lb/ft s)		3.98	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)	0.00	3.52	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.75	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3461.54* Profile: Q100

E.G. Elev (ft)	7078.56	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.31	Wt. n-Val.		0.040	
W.S. Elev (ft)	7078.25	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		43.21	
E.G. Slope (ft/ft)	0.014071	Area (sq ft)		43.21	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	42.46	Top Width (ft)		42.46	
Vel Total (ft/s)	4.44	Avg. Vel. (ft/s)		4.44	
Max Chl Dpth (ft)	1.27	Hydr. Depth (ft)		1.02	
Conv. Total (cfs)	1618.6	Conv. (cfs)		1618.6	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		42.68	
Min Ch El (ft)	7076.98	Shear (lb/sq ft)		0.89	
Alpha	1.00	Stream Power (lb/ft s)		3.95	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)	0.00	3.50	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.73	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3442.31* Profile: Q100

E.G. Elev (ft)	7078.28	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.31	Wt. n-Val.		0.040	
W.S. Elev (ft)	7077.98	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		43.24	
E.G. Slope (ft/ft)	0.014295	Area (sq ft)		43.24	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	43.05	Top Width (ft)		43.05	
Vel Total (ft/s)	4.44	Avg. Vel. (ft/s)		4.44	
Max Chl Dpth (ft)	1.26	Hydr. Depth (ft)		1.00	
Conv. Total (cfs)	1605.8	Conv. (cfs)		1605.8	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		43.26	
Min Ch El (ft)	7076.72	Shear (lb/sq ft)		0.89	
Alpha	1.00	Stream Power (lb/ft s)		3.96	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)	0.00	3.48	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.71	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3423.08* Profile: Q100

E.G. Elev (ft)	7078.01	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.30	Wt. n-Val.		0.040	
W.S. Elev (ft)	7077.71	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		43.53	
E.G. Slope (ft/ft)	0.014242	Area (sq ft)		43.53	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	43.66	Top Width (ft)		43.66	
Vel Total (ft/s)	4.41	Avg. Vel. (ft/s)		4.41	
Max Chl Dpth (ft)	1.26	Hydr. Depth (ft)		1.00	
Conv. Total (cfs)	1608.9	Conv. (cfs)		1608.9	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		43.86	
Min Ch El (ft)	7076.45	Shear (lb/sq ft)		0.88	
Alpha	1.00	Stream Power (lb/ft s)		3.89	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)	0.00	3.47	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.70	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3403.85* Profile: Q100

E.G. Elev (ft)	7077.73	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.30	Wt. n-Val.		0.040	
W.S. Elev (ft)	7077.44	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		43.83	
E.G. Slope (ft/ft)	0.014173	Area (sq ft)		43.83	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	44.27	Top Width (ft)		44.27	
Vel Total (ft/s)	4.38	Avg. Vel. (ft/s)		4.38	
Max Chl Dpth (ft)	1.25	Hydr. Depth (ft)		0.99	
Conv. Total (cfs)	1612.8	Conv. (cfs)		1612.8	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		44.46	
Min Ch El (ft)	7076.19	Shear (lb/sq ft)		0.87	
Alpha	1.00	Stream Power (lb/ft s)		3.82	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)	0.00	3.45	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.68	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3384.62* Profile: Q100

E.G. Elev (ft)	7077.46	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.30	Wt. n-Val.		0.040	
W.S. Elev (ft)	7077.16	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		43.80	
E.G. Slope (ft/ft)	0.014426	Area (sq ft)		43.80	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	44.80	Top Width (ft)		44.80	
Vel Total (ft/s)	4.38	Avg. Vel. (ft/s)		4.38	
Max Chl Dpth (ft)	1.23	Hydr. Depth (ft)		0.98	
Conv. Total (cfs)	1598.6	Conv. (cfs)		1598.6	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		44.99	
Min Ch El (ft)	7075.93	Shear (lb/sq ft)		0.88	
Alpha	1.00	Stream Power (lb/ft s)		3.84	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)	0.00	3.43	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.66	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3365.39* Profile: Q100

E.G. Elev (ft)	7077.18	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.30	Wt. n-Val.		0.040	
W.S. Elev (ft)	7076.88	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		43.96	
E.G. Slope (ft/ft)	0.014474	Area (sq ft)		43.96	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	45.33	Top Width (ft)		45.33	
Vel Total (ft/s)	4.37	Avg. Vel. (ft/s)		4.37	
Max Chl Dpth (ft)	1.21	Hydr. Depth (ft)		0.97	
Conv. Total (cfs)	1595.9	Conv. (cfs)		1595.9	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		45.51	
Min Ch El (ft)	7075.67	Shear (lb/sq ft)		0.87	
Alpha	1.00	Stream Power (lb/ft s)		3.81	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)	0.00	3.41	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.64	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3346.15* Profile: Q100

E.G. Elev (ft)	7076.90	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.29	Wt. n-Val.		0.040	
W.S. Elev (ft)	7076.61	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		44.16	
E.G. Slope (ft/ft)	0.014463	Area (sq ft)		44.16	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	45.82	Top Width (ft)		45.82	
Vel Total (ft/s)	4.35	Avg. Vel. (ft/s)		4.35	
Max Chl Dpth (ft)	1.20	Hydr. Depth (ft)		0.96	
Conv. Total (cfs)	1596.5	Conv. (cfs)		1596.5	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		46.00	
Min Ch El (ft)	7075.41	Shear (lb/sq ft)		0.87	
Alpha	1.00	Stream Power (lb/ft s)		3.77	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)	0.00	3.39	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.62	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3326.92* Profile: Q100

E.G. Elev (ft)	7076.62	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.28	Wt. n-Val.		0.040	
W.S. Elev (ft)	7076.34	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		44.85	
E.G. Slope (ft/ft)	0.013960	Area (sq ft)		44.85	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	46.37	Top Width (ft)		46.37	
Vel Total (ft/s)	4.28	Avg. Vel. (ft/s)		4.28	
Max Chl Dpth (ft)	1.19	Hydr. Depth (ft)		0.97	
Conv. Total (cfs)	1625.0	Conv. (cfs)		1625.0	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		46.55	
Min Ch El (ft)	7075.15	Shear (lb/sq ft)		0.84	
Alpha	1.00	Stream Power (lb/ft s)		3.59	
Frctn Loss (ft)	0.24	Cum Volume (acre-ft)	0.00	3.37	0.00
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	3.60	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3307.69* Profile: Q100

E.G. Elev (ft)	7076.37	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.25	Wt. n-Val.		0.040	
W.S. Elev (ft)	7076.12	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		47.79	
E.G. Slope (ft/ft)	0.011611	Area (sq ft)		47.79	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	47.33	Top Width (ft)		47.33	
Vel Total (ft/s)	4.02	Avg. Vel. (ft/s)		4.02	
Max Chl Dpth (ft)	1.24	Hydr. Depth (ft)		1.01	
Conv. Total (cfs)	1781.8	Conv. (cfs)		1781.8	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		47.54	
Min Ch El (ft)	7074.88	Shear (lb/sq ft)		0.73	
Alpha	1.00	Stream Power (lb/ft s)		2.93	
Frctn Loss (ft)	0.18	Cum Volume (acre-ft)	0.00	3.35	0.00
C & E Loss (ft)	0.02	Cum SA (acres)	0.00	3.58	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3288.46* Profile: Q100

E.G. Elev (ft)	7076.17	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.19	Wt. n-Val.		0.040	
W.S. Elev (ft)	7075.98	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		54.86	
E.G. Slope (ft/ft)	0.007691	Area (sq ft)		54.86	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	49.03	Top Width (ft)		49.03	
Vel Total (ft/s)	3.50	Avg. Vel. (ft/s)		3.50	
Max Chl Dpth (ft)	1.36	Hydr. Depth (ft)		1.12	
Conv. Total (cfs)	2189.3	Conv. (cfs)		2189.3	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		49.28	
Min Ch El (ft)	7074.62	Shear (lb/sq ft)		0.53	
Alpha	1.00	Stream Power (lb/ft s)		1.87	
Frctn Loss (ft)	0.11	Cum Volume (acre-ft)	0.00	3.32	0.00
C & E Loss (ft)	0.02	Cum SA (acres)	0.00	3.55	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3269.23* Profile: Q100

E.G. Elev (ft)	7076.04	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.13	Wt. n-Val.		0.040	
W.S. Elev (ft)	7075.91	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		65.68	
E.G. Slope (ft/ft)	0.004511	Area (sq ft)		65.68	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	51.48	Top Width (ft)		51.48	
Vel Total (ft/s)	2.92	Avg. Vel. (ft/s)		2.92	
Max Chl Dpth (ft)	1.55	Hydr. Depth (ft)		1.28	
Conv. Total (cfs)	2858.7	Conv. (cfs)		2858.7	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		51.78	
Min Ch El (ft)	7074.36	Shear (lb/sq ft)		0.36	
Alpha	1.00	Stream Power (lb/ft s)		1.04	
Frctn Loss (ft)	0.17	Cum Volume (acre-ft)	0.00	3.30	0.00
C & E Loss (ft)	0.03	Cum SA (acres)	0.00	3.53	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3250 Profile: Q100

E.G. Elev (ft)	7075.84	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.42	Wt. n-Val.		0.040	
W.S. Elev (ft)	7075.43	Reach Len. (ft)	14.70	15.00	15.70
Crit W.S. (ft)	7075.31	Flow Area (sq ft)		55.82	
E.G. Slope (ft/ft)	0.016889	Area (sq ft)		55.82	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	49.98	Top Width (ft)		49.98	
Vel Total (ft/s)	5.18	Avg. Vel. (ft/s)		5.18	
Max Chl Dpth (ft)	1.33	Hydr. Depth (ft)		1.12	
Conv. Total (cfs)	2223.8	Conv. (cfs)		2223.8	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		50.26	
Min Ch El (ft)	7074.10	Shear (lb/sq ft)		1.17	
Alpha	1.00	Stream Power (lb/ft s)		6.06	
Frctn Loss (ft)	0.25	Cum Volume (acre-ft)	0.00	3.27	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.51	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3235.00* Profile: Q100

E.G. Elev (ft)	7075.59	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.42	Wt. n-Val.		0.040	
W.S. Elev (ft)	7075.17	Reach Len. (ft)	14.70	15.00	15.70
Crit W.S. (ft)		Flow Area (sq ft)		55.69	
E.G. Slope (ft/ft)	0.016482	Area (sq ft)		55.69	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	48.78	Top Width (ft)		48.78	
Vel Total (ft/s)	5.19	Avg. Vel. (ft/s)		5.19	
Max Chl Dpth (ft)	1.37	Hydr. Depth (ft)		1.14	
Conv. Total (cfs)	2251.1	Conv. (cfs)		2251.1	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		49.05	
Min Ch El (ft)	7073.80	Shear (lb/sq ft)		1.17	
Alpha	1.00	Stream Power (lb/ft s)		6.06	
Frctn Loss (ft)	0.25	Cum Volume (acre-ft)	0.00	3.25	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.49	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3220.00* Profile: Q100

E.G. Elev (ft)	7075.34	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.43	Wt. n-Val.		0.040	
W.S. Elev (ft)	7074.90	Reach Len. (ft)	14.70	15.00	15.70
Crit W.S. (ft)	7074.79	Flow Area (sq ft)		54.71	
E.G. Slope (ft/ft)	0.016817	Area (sq ft)		54.71	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	47.39	Top Width (ft)		47.39	
Vel Total (ft/s)	5.28	Avg. Vel. (ft/s)		5.28	
Max Chl Dpth (ft)	1.40	Hydr. Depth (ft)		1.15	
Conv. Total (cfs)	2228.6	Conv. (cfs)		2228.6	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		47.65	
Min Ch El (ft)	7073.50	Shear (lb/sq ft)		1.21	
Alpha	1.00	Stream Power (lb/ft s)		6.37	
Frctn Loss (ft)	0.25	Cum Volume (acre-ft)	0.00	3.23	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.48	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3205.00* Profile: Q100

E.G. Elev (ft)	7075.09	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.43	Wt. n-Val.		0.040	
W.S. Elev (ft)	7074.65	Reach Len. (ft)	14.70	15.00	15.70
Crit W.S. (ft)		Flow Area (sq ft)		54.67	
E.G. Slope (ft/ft)	0.016297	Area (sq ft)		54.67	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	46.18	Top Width (ft)		46.18	
Vel Total (ft/s)	5.29	Avg. Vel. (ft/s)		5.29	
Max Chl Dpth (ft)	1.45	Hydr. Depth (ft)		1.18	
Conv. Total (cfs)	2263.8	Conv. (cfs)		2263.8	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		46.44	
Min Ch El (ft)	7073.20	Shear (lb/sq ft)		1.20	
Alpha	1.00	Stream Power (lb/ft s)		6.33	
Frctn Loss (ft)	0.25	Cum Volume (acre-ft)	0.00	3.21	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.46	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3190.00* Profile: Q100

E.G. Elev (ft)	7074.84	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.45	Wt. n-Val.		0.040	
W.S. Elev (ft)	7074.39	Reach Len. (ft)	14.70	15.00	15.70
Crit W.S. (ft)	7074.26	Flow Area (sq ft)		53.85	
E.G. Slope (ft/ft)	0.016457	Area (sq ft)		53.85	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	44.79	Top Width (ft)		44.79	
Vel Total (ft/s)	5.37	Avg. Vel. (ft/s)		5.37	
Max Chl Dpth (ft)	1.49	Hydr. Depth (ft)		1.20	
Conv. Total (cfs)	2252.8	Conv. (cfs)		2252.8	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		45.06	
Min Ch El (ft)	7072.90	Shear (lb/sq ft)		1.23	
Alpha	1.00	Stream Power (lb/ft s)		6.59	
Frctn Loss (ft)	0.24	Cum Volume (acre-ft)	0.00	3.20	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.44	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3175.00* Profile: Q100

E.G. Elev (ft)	7074.59	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.45	Wt. n-Val.		0.040	
W.S. Elev (ft)	7074.15	Reach Len. (ft)	14.70	15.00	15.70
Crit W.S. (ft)		Flow Area (sq ft)		53.78	
E.G. Slope (ft/ft)	0.015964	Area (sq ft)		53.78	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	43.63	Top Width (ft)		43.63	
Vel Total (ft/s)	5.37	Avg. Vel. (ft/s)		5.37	
Max Chl Dpth (ft)	1.54	Hydr. Depth (ft)		1.23	
Conv. Total (cfs)	2287.3	Conv. (cfs)		2287.3	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		43.90	
Min Ch El (ft)	7072.60	Shear (lb/sq ft)		1.22	
Alpha	1.00	Stream Power (lb/ft s)		6.56	
Frctn Loss (ft)	0.24	Cum Volume (acre-ft)	0.00	3.18	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.43	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3160.00* Profile: Q100

E.G. Elev (ft)	7074.35	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.46	Wt. n-Val.		0.040	
W.S. Elev (ft)	7073.88	Reach Len. (ft)	14.70	15.00	15.70
Crit W.S. (ft)	7073.75	Flow Area (sq ft)		52.84	
E.G. Slope (ft/ft)	0.016221	Area (sq ft)		52.84	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	42.23	Top Width (ft)		42.23	
Vel Total (ft/s)	5.47	Avg. Vel. (ft/s)		5.47	
Max Chl Dpth (ft)	1.58	Hydr. Depth (ft)		1.25	
Conv. Total (cfs)	2269.1	Conv. (cfs)		2269.1	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		42.51	
Min Ch El (ft)	7072.30	Shear (lb/sq ft)		1.26	
Alpha	1.00	Stream Power (lb/ft s)		6.88	
Frctn Loss (ft)	0.24	Cum Volume (acre-ft)	0.00	3.16	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.41	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3145.00* Profile: Q100

E.G. Elev (ft)	7074.11	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.47	Wt. n-Val.		0.040	
W.S. Elev (ft)	7073.64	Reach Len. (ft)	14.70	15.00	15.70
Crit W.S. (ft)		Flow Area (sq ft)		52.77	
E.G. Slope (ft/ft)	0.015696	Area (sq ft)		52.77	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	41.03	Top Width (ft)		41.03	
Vel Total (ft/s)	5.48	Avg. Vel. (ft/s)		5.48	
Max Chl Dpth (ft)	1.64	Hydr. Depth (ft)		1.29	
Conv. Total (cfs)	2306.8	Conv. (cfs)		2306.8	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		41.33	
Min Ch El (ft)	7072.00	Shear (lb/sq ft)		1.25	
Alpha	1.00	Stream Power (lb/ft s)		6.85	
Frctn Loss (ft)	0.24	Cum Volume (acre-ft)	0.00	3.14	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.40	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3130.00* Profile: Q100

E.G. Elev (ft)	7073.87	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.48	Wt. n-Val.		0.040	
W.S. Elev (ft)	7073.39	Reach Len. (ft)	14.70	15.00	15.70
Crit W.S. (ft)	7073.23	Flow Area (sq ft)		52.10	
E.G. Slope (ft/ft)	0.015688	Area (sq ft)		52.10	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	39.72	Top Width (ft)		39.72	
Vel Total (ft/s)	5.55	Avg. Vel. (ft/s)		5.55	
Max Chl Dpth (ft)	1.69	Hydr. Depth (ft)		1.31	
Conv. Total (cfs)	2307.4	Conv. (cfs)		2307.4	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		40.03	
Min Ch El (ft)	7071.70	Shear (lb/sq ft)		1.27	
Alpha	1.00	Stream Power (lb/ft s)		7.07	
Frctn Loss (ft)	0.23	Cum Volume (acre-ft)	0.00	3.12	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.39	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3115.00* Profile: Q100

E.G. Elev (ft)	7073.63	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.47	Wt. n-Val.		0.040	
W.S. Elev (ft)	7073.16	Reach Len. (ft)	14.70	15.00	15.70
Crit W.S. (ft)		Flow Area (sq ft)		52.39	
E.G. Slope (ft/ft)	0.014882	Area (sq ft)		52.39	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	38.68	Top Width (ft)		38.68	
Vel Total (ft/s)	5.52	Avg. Vel. (ft/s)		5.52	
Max Chl Dpth (ft)	1.76	Hydr. Depth (ft)		1.35	
Conv. Total (cfs)	2369.0	Conv. (cfs)		2369.0	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		39.02	
Min Ch El (ft)	7071.40	Shear (lb/sq ft)		1.25	
Alpha	1.00	Stream Power (lb/ft s)		6.88	
Frctn Loss (ft)	0.21	Cum Volume (acre-ft)	0.00	3.10	0.00
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	3.37	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3100 Profile: Q100

E.G. Elev (ft)	7073.42	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.45	Wt. n-Val.		0.040	
W.S. Elev (ft)	7072.97	Reach Len. (ft)	18.67	14.83	9.50
Crit W.S. (ft)		Flow Area (sq ft)		53.82	
E.G. Slope (ft/ft)	0.013250	Area (sq ft)		53.82	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	37.86	Top Width (ft)		37.86	
Vel Total (ft/s)	5.37	Avg. Vel. (ft/s)		5.37	
Max Chl Dpth (ft)	1.87	Hydr. Depth (ft)		1.42	
Conv. Total (cfs)	2510.7	Conv. (cfs)		2510.7	
Length Wtd. (ft)	14.83	Wetted Per. (ft)		38.24	
Min Ch El (ft)	7071.10	Shear (lb/sq ft)		1.16	
Alpha	1.00	Stream Power (lb/ft s)		6.25	
Frctn Loss (ft)	0.20	Cum Volume (acre-ft)	0.00	3.09	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.36	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3085.17* Profile: Q100

E.G. Elev (ft)	7073.22	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.45	Wt. n-Val.		0.040	
W.S. Elev (ft)	7072.77	Reach Len. (ft)	18.67	14.83	9.50
Crit W.S. (ft)		Flow Area (sq ft)		53.98	
E.G. Slope (ft/ft)	0.013481	Area (sq ft)		53.98	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	38.68	Top Width (ft)		38.68	
Vel Total (ft/s)	5.35	Avg. Vel. (ft/s)		5.35	
Max Chl Dpth (ft)	1.85	Hydr. Depth (ft)		1.40	
Conv. Total (cfs)	2489.1	Conv. (cfs)		2489.1	
Length Wtd. (ft)	14.83	Wetted Per. (ft)		39.03	
Min Ch El (ft)	7070.92	Shear (lb/sq ft)		1.16	
Alpha	1.00	Stream Power (lb/ft s)		6.23	
Frctn Loss (ft)	0.20	Cum Volume (acre-ft)	0.00	3.07	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.35	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3070.33* Profile: Q100

E.G. Elev (ft)	7073.02	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.44	Wt. n-Val.		0.040	
W.S. Elev (ft)	7072.58	Reach Len. (ft)	18.67	14.83	9.50
Crit W.S. (ft)		Flow Area (sq ft)		54.50	
E.G. Slope (ft/ft)	0.013450	Area (sq ft)		54.50	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	39.58	Top Width (ft)		39.58	
Vel Total (ft/s)	5.30	Avg. Vel. (ft/s)		5.30	
Max Chl Dpth (ft)	1.85	Hydr. Depth (ft)		1.38	
Conv. Total (cfs)	2492.0	Conv. (cfs)		2492.0	
Length Wtd. (ft)	14.83	Wetted Per. (ft)		39.91	
Min Ch El (ft)	7070.73	Shear (lb/sq ft)		1.15	
Alpha	1.00	Stream Power (lb/ft s)		6.08	
Frctn Loss (ft)	0.20	Cum Volume (acre-ft)	0.00	3.05	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.33	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3055.50* Profile: Q100

E.G. Elev (ft)	7072.81	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.43	Wt. n-Val.		0.040	
W.S. Elev (ft)	7072.38	Reach Len. (ft)	18.67	14.83	9.50
Crit W.S. (ft)		Flow Area (sq ft)		54.71	
E.G. Slope (ft/ft)	0.013606	Area (sq ft)		54.71	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	40.34	Top Width (ft)		40.34	
Vel Total (ft/s)	5.28	Avg. Vel. (ft/s)		5.28	
Max Chl Dpth (ft)	1.83	Hydr. Depth (ft)		1.36	
Conv. Total (cfs)	2477.6	Conv. (cfs)		2477.6	
Length Wtd. (ft)	14.83	Wetted Per. (ft)		40.65	
Min Ch El (ft)	7070.55	Shear (lb/sq ft)		1.14	
Alpha	1.00	Stream Power (lb/ft s)		6.04	
Frctn Loss (ft)	0.20	Cum Volume (acre-ft)	0.00	3.03	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.32	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3040.67* Profile: Q100

E.G. Elev (ft)	7072.61	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.43	Wt. n-Val.		0.040	
W.S. Elev (ft)	7072.18	Reach Len. (ft)	18.67	14.83	9.50
Crit W.S. (ft)		Flow Area (sq ft)		55.04	
E.G. Slope (ft/ft)	0.013654	Area (sq ft)		55.04	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	41.08	Top Width (ft)		41.08	
Vel Total (ft/s)	5.25	Avg. Vel. (ft/s)		5.25	
Max Chl Dpth (ft)	1.81	Hydr. Depth (ft)		1.34	
Conv. Total (cfs)	2473.2	Conv. (cfs)		2473.2	
Length Wtd. (ft)	14.83	Wetted Per. (ft)		41.37	
Min Ch El (ft)	7070.37	Shear (lb/sq ft)		1.13	
Alpha	1.00	Stream Power (lb/ft s)		5.95	
Frctn Loss (ft)	0.20	Cum Volume (acre-ft)	0.00	3.01	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.31	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3025.83* Profile: Q100

E.G. Elev (ft)	7072.40	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.43	Wt. n-Val.		0.040	
W.S. Elev (ft)	7071.98	Reach Len. (ft)	18.67	14.83	9.50
Crit W.S. (ft)		Flow Area (sq ft)		55.17	
E.G. Slope (ft/ft)	0.013869	Area (sq ft)		55.17	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	41.82	Top Width (ft)		41.82	
Vel Total (ft/s)	5.24	Avg. Vel. (ft/s)		5.24	
Max Chl Dpth (ft)	1.79	Hydr. Depth (ft)		1.32	
Conv. Total (cfs)	2454.0	Conv. (cfs)		2454.0	
Length Wtd. (ft)	14.83	Wetted Per. (ft)		42.10	
Min Ch El (ft)	7070.18	Shear (lb/sq ft)		1.13	
Alpha	1.00	Stream Power (lb/ft s)		5.94	
Frctn Loss (ft)	0.23	Cum Volume (acre-ft)	0.00	2.99	0.00
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	3.29	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3011 Profile: Q100

E.G. Elev (ft)	7072.17	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.50	Wt. n-Val.		0.040	
W.S. Elev (ft)	7071.67	Reach Len. (ft)	26.50	31.00	33.50
Crit W.S. (ft)	7071.57	Flow Area (sq ft)		51.13	
E.G. Slope (ft/ft)	0.017536	Area (sq ft)		51.13	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	41.26	Top Width (ft)		41.26	
Vel Total (ft/s)	5.65	Avg. Vel. (ft/s)		5.65	
Max Chl Dpth (ft)	1.67	Hydr. Depth (ft)		1.24	
Conv. Total (cfs)	2182.4	Conv. (cfs)		2182.4	
Length Wtd. (ft)	31.00	Wetted Per. (ft)		41.52	
Min Ch El (ft)	7070.00	Shear (lb/sq ft)		1.35	
Alpha	1.00	Stream Power (lb/ft s)		7.62	
Frctn Loss (ft)	0.56	Cum Volume (acre-ft)	0.00	2.98	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.28	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2980.00* Profile: Q100

E.G. Elev (ft)	7071.61	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.48	Wt. n-Val.		0.040	
W.S. Elev (ft)	7071.13	Reach Len. (ft)	26.50	31.00	33.50
Crit W.S. (ft)	7071.04	Flow Area (sq ft)		51.88	
E.G. Slope (ft/ft)	0.018329	Area (sq ft)		51.88	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	44.28	Top Width (ft)		44.28	
Vel Total (ft/s)	5.57	Avg. Vel. (ft/s)		5.57	
Max Chl Dpth (ft)	1.58	Hydr. Depth (ft)		1.17	
Conv. Total (cfs)	2134.7	Conv. (cfs)		2134.7	
Length Wtd. (ft)	31.00	Wetted Per. (ft)		44.50	
Min Ch El (ft)	7069.55	Shear (lb/sq ft)		1.33	
Alpha	1.00	Stream Power (lb/ft s)		7.43	
Frctn Loss (ft)	0.58	Cum Volume (acre-ft)	0.00	2.94	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.25	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2949.00* Profile: Q100

E.G. Elev (ft)	7071.03	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.47	Wt. n-Val.		0.040	
W.S. Elev (ft)	7070.56	Reach Len. (ft)	26.50	31.00	33.50
Crit W.S. (ft)	7070.48	Flow Area (sq ft)		52.59	
E.G. Slope (ft/ft)	0.019034	Area (sq ft)		52.59	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	47.14	Top Width (ft)		47.14	
Vel Total (ft/s)	5.49	Avg. Vel. (ft/s)		5.49	
Max Chl Dpth (ft)	1.46	Hydr. Depth (ft)		1.12	
Conv. Total (cfs)	2094.8	Conv. (cfs)		2094.8	
Length Wtd. (ft)	31.00	Wetted Per. (ft)		47.37	
Min Ch El (ft)	7069.10	Shear (lb/sq ft)		1.32	
Alpha	1.00	Stream Power (lb/ft s)		7.25	
Frctn Loss (ft)	0.60	Cum Volume (acre-ft)	0.00	2.90	0.00
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	3.21	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2918.00* Profile: Q100

E.G. Elev (ft)	7070.43	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.45	Wt. n-Val.		0.040	
W.S. Elev (ft)	7069.97	Reach Len. (ft)	26.50	31.00	33.50
Crit W.S. (ft)	7069.91	Flow Area (sq ft)		53.59	
E.G. Slope (ft/ft)	0.019377	Area (sq ft)		53.59	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	50.03	Top Width (ft)		50.03	
Vel Total (ft/s)	5.39	Avg. Vel. (ft/s)		5.39	
Max Chl Dpth (ft)	1.32	Hydr. Depth (ft)		1.07	
Conv. Total (cfs)	2076.1	Conv. (cfs)		2076.1	
Length Wtd. (ft)	31.00	Wetted Per. (ft)		50.31	
Min Ch El (ft)	7068.65	Shear (lb/sq ft)		1.29	
Alpha	1.00	Stream Power (lb/ft s)		6.95	
Frctn Loss (ft)	0.62	Cum Volume (acre-ft)	0.00	2.86	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.18	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2887 Profile: Q100

E.G. Elev (ft)	7069.80	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.45	Wt. n-Val.		0.040	
W.S. Elev (ft)	7069.35	Reach Len. (ft)	31.40	29.40	30.40
Crit W.S. (ft)	7069.31	Flow Area (sq ft)		53.54	
E.G. Slope (ft/ft)	0.020903	Area (sq ft)		53.54	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	52.78	Top Width (ft)		52.78	
Vel Total (ft/s)	5.40	Avg. Vel. (ft/s)		5.40	
Max Chl Dpth (ft)	1.15	Hydr. Depth (ft)		1.01	
Conv. Total (cfs)	1998.9	Conv. (cfs)		1998.9	
Length Wtd. (ft)	29.40	Wetted Per. (ft)		53.14	
Min Ch El (ft)	7068.20	Shear (lb/sq ft)		1.31	
Alpha	1.00	Stream Power (lb/ft s)		7.10	
Frctn Loss (ft)	0.58	Cum Volume (acre-ft)	0.00	2.83	0.00
C & E Loss (ft)	0.04	Cum SA (acres)	0.00	3.14	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2857.60* Profile: Q100

E.G. Elev (ft)	7069.18	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.33	Wt. n-Val.		0.040	
W.S. Elev (ft)	7068.85	Reach Len. (ft)	31.40	29.40	30.40
Crit W.S. (ft)	7068.77	Flow Area (sq ft)		62.59	
E.G. Slope (ft/ft)	0.018886	Area (sq ft)		62.59	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	72.65	Top Width (ft)		72.65	
Vel Total (ft/s)	4.62	Avg. Vel. (ft/s)		4.62	
Max Chl Dpth (ft)	1.09	Hydr. Depth (ft)		0.86	
Conv. Total (cfs)	2102.9	Conv. (cfs)		2102.9	
Length Wtd. (ft)	29.40	Wetted Per. (ft)		72.76	
Min Ch El (ft)	7067.76	Shear (lb/sq ft)		1.01	
Alpha	1.00	Stream Power (lb/ft s)		4.68	
Frctn Loss (ft)	0.53	Cum Volume (acre-ft)	0.00	2.79	0.00
C & E Loss (ft)	0.02	Cum SA (acres)	0.00	3.10	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2828.20* Profile: Q100

E.G. Elev (ft)	7068.63	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.26	Wt. n-Val.		0.040	
W.S. Elev (ft)	7068.37	Reach Len. (ft)	31.40	29.40	30.40
Crit W.S. (ft)		Flow Area (sq ft)		70.79	
E.G. Slope (ft/ft)	0.017431	Area (sq ft)		70.79	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	93.13	Top Width (ft)		93.13	
Vel Total (ft/s)	4.08	Avg. Vel. (ft/s)		4.08	
Max Chl Dpth (ft)	1.05	Hydr. Depth (ft)		0.76	
Conv. Total (cfs)	2189.0	Conv. (cfs)		2189.0	
Length Wtd. (ft)	29.40	Wetted Per. (ft)		93.20	
Min Ch El (ft)	7067.32	Shear (lb/sq ft)		0.83	
Alpha	1.00	Stream Power (lb/ft s)		3.37	
Frctn Loss (ft)	0.52	Cum Volume (acre-ft)	0.00	2.74	0.00
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	3.04	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2798.80* Profile: Q100

E.G. Elev (ft)	7068.10	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.23	Wt. n-Val.		0.040	
W.S. Elev (ft)	7067.87	Reach Len. (ft)	31.40	29.40	30.40
Crit W.S. (ft)		Flow Area (sq ft)		75.49	
E.G. Slope (ft/ft)	0.018258	Area (sq ft)		75.49	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	113.28	Top Width (ft)		113.28	
Vel Total (ft/s)	3.83	Avg. Vel. (ft/s)		3.83	
Max Chl Dpth (ft)	0.99	Hydr. Depth (ft)		0.67	
Conv. Total (cfs)	2138.8	Conv. (cfs)		2138.8	
Length Wtd. (ft)	29.40	Wetted Per. (ft)		113.33	
Min Ch El (ft)	7066.88	Shear (lb/sq ft)		0.76	
Alpha	1.00	Stream Power (lb/ft s)		2.91	
Frctn Loss (ft)	0.49	Cum Volume (acre-ft)	0.00	2.69	0.00
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	2.98	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2769.40* Profile: Q100

E.G. Elev (ft)	7067.59	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.18	Wt. n-Val.		0.040	
W.S. Elev (ft)	7067.41	Reach Len. (ft)	31.40	29.40	30.40
Crit W.S. (ft)		Flow Area (sq ft)		84.48	
E.G. Slope (ft/ft)	0.015321	Area (sq ft)		84.48	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	131.58	Top Width (ft)		131.58	
Vel Total (ft/s)	3.42	Avg. Vel. (ft/s)		3.42	
Max Chl Dpth (ft)	0.97	Hydr. Depth (ft)		0.64	
Conv. Total (cfs)	2334.8	Conv. (cfs)		2334.8	
Length Wtd. (ft)	29.40	Wetted Per. (ft)		131.64	
Min Ch El (ft)	7066.44	Shear (lb/sq ft)		0.61	
Alpha	1.00	Stream Power (lb/ft s)		2.10	
Frctn Loss (ft)	0.52	Cum Volume (acre-ft)	0.00	2.64	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	2.89	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2740 Profile: Q100

E.G. Elev (ft)	7067.08	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.19	Wt. n-Val.		0.040	
W.S. Elev (ft)	7066.88	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		82.15	
E.G. Slope (ft/ft)	0.020234	Area (sq ft)		82.15	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	151.17	Top Width (ft)		151.17	
Vel Total (ft/s)	3.52	Avg. Vel. (ft/s)		3.52	
Max Chl Dpth (ft)	0.88	Hydr. Depth (ft)		0.54	
Conv. Total (cfs)	2031.7	Conv. (cfs)		2031.7	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		151.24	
Min Ch El (ft)	7066.00	Shear (lb/sq ft)		0.69	
Alpha	1.00	Stream Power (lb/ft s)		2.41	
Frctn Loss (ft)	0.40	Cum Volume (acre-ft)	0.00	2.58	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	2.80	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2720.00* Profile: Q100

E.G. Elev (ft)	7066.67	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.20	Wt. n-Val.		0.040	
W.S. Elev (ft)	7066.47	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		80.62	
E.G. Slope (ft/ft)	0.020021	Area (sq ft)		80.62	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	143.07	Top Width (ft)		143.07	
Vel Total (ft/s)	3.58	Avg. Vel. (ft/s)		3.58	
Max Chl Dpth (ft)	0.90	Hydr. Depth (ft)		0.56	
Conv. Total (cfs)	2042.5	Conv. (cfs)		2042.5	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		143.13	
Min Ch El (ft)	7065.57	Shear (lb/sq ft)		0.70	
Alpha	1.00	Stream Power (lb/ft s)		2.52	
Frctn Loss (ft)	0.40	Cum Volume (acre-ft)	0.00	2.54	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	2.73	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2700.00* Profile: Q100

E.G. Elev (ft)	7066.27	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.21	Wt. n-Val.		0.040	
W.S. Elev (ft)	7066.07	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		79.08	
E.G. Slope (ft/ft)	0.019818	Area (sq ft)		79.08	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	135.30	Top Width (ft)		135.30	
Vel Total (ft/s)	3.65	Avg. Vel. (ft/s)		3.65	
Max Chl Dpth (ft)	0.94	Hydr. Depth (ft)		0.58	
Conv. Total (cfs)	2052.9	Conv. (cfs)		2052.9	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		135.36	
Min Ch El (ft)	7065.13	Shear (lb/sq ft)		0.72	
Alpha	1.00	Stream Power (lb/ft s)		2.64	
Frctn Loss (ft)	0.40	Cum Volume (acre-ft)	0.00	2.51	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	2.67	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2680.00* Profile: Q100

E.G. Elev (ft)	7065.88	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.22	Wt. n-Val.		0.040	
W.S. Elev (ft)	7065.66	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		77.22	
E.G. Slope (ft/ft)	0.019929	Area (sq ft)		77.22	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	128.02	Top Width (ft)		128.02	
Vel Total (ft/s)	3.74	Avg. Vel. (ft/s)		3.74	
Max Chl Dpth (ft)	0.96	Hydr. Depth (ft)		0.60	
Conv. Total (cfs)	2047.2	Conv. (cfs)		2047.2	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		128.07	
Min Ch El (ft)	7064.70	Shear (lb/sq ft)		0.75	
Alpha	1.00	Stream Power (lb/ft s)		2.81	
Frctn Loss (ft)	0.39	Cum Volume (acre-ft)	0.00	2.47	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	2.61	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2660.00* Profile: Q100

E.G. Elev (ft)	7065.48	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.22	Wt. n-Val.		0.040	
W.S. Elev (ft)	7065.26	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		76.16	
E.G. Slope (ft/ft)	0.019493	Area (sq ft)		76.16	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	121.64	Top Width (ft)		121.64	
Vel Total (ft/s)	3.79	Avg. Vel. (ft/s)		3.79	
Max Chl Dpth (ft)	0.99	Hydr. Depth (ft)		0.63	
Conv. Total (cfs)	2069.9	Conv. (cfs)		2069.9	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		121.69	
Min Ch El (ft)	7064.27	Shear (lb/sq ft)		0.76	
Alpha	1.00	Stream Power (lb/ft s)		2.89	
Frctn Loss (ft)	0.39	Cum Volume (acre-ft)	0.00	2.44	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	2.55	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2640.00* Profile: Q100

E.G. Elev (ft)	7065.10	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.23	Wt. n-Val.		0.040	
W.S. Elev (ft)	7064.87	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		75.16	
E.G. Slope (ft/ft)	0.019290	Area (sq ft)		75.16	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	116.75	Top Width (ft)		116.75	
Vel Total (ft/s)	3.85	Avg. Vel. (ft/s)		3.85	
Max Chl Dpth (ft)	1.04	Hydr. Depth (ft)		0.64	
Conv. Total (cfs)	2080.8	Conv. (cfs)		2080.8	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		116.80	
Min Ch El (ft)	7063.83	Shear (lb/sq ft)		0.77	
Alpha	1.00	Stream Power (lb/ft s)		2.98	
Frctn Loss (ft)	0.39	Cum Volume (acre-ft)	0.00	2.40	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	2.49	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2620.00* Profile: Q100

E.G. Elev (ft)	7064.71	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.24	Wt. n-Val.		0.040	
W.S. Elev (ft)	7064.47	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		73.45	
E.G. Slope (ft/ft)	0.019352	Area (sq ft)		73.45	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	110.50	Top Width (ft)		110.50	
Vel Total (ft/s)	3.93	Avg. Vel. (ft/s)		3.93	
Max Chl Dpth (ft)	1.07	Hydr. Depth (ft)		0.66	
Conv. Total (cfs)	2077.5	Conv. (cfs)		2077.5	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		110.56	
Min Ch El (ft)	7063.40	Shear (lb/sq ft)		0.80	
Alpha	1.00	Stream Power (lb/ft s)		3.16	
Frctn Loss (ft)	0.38	Cum Volume (acre-ft)	0.00	2.37	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	2.44	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2600.00* Profile: Q100

E.G. Elev (ft)	7064.33	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.25	Wt. n-Val.		0.040	
W.S. Elev (ft)	7064.08	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		72.04	
E.G. Slope (ft/ft)	0.018922	Area (sq ft)		72.04	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	103.48	Top Width (ft)		103.48	
Vel Total (ft/s)	4.01	Avg. Vel. (ft/s)		4.01	
Max Chl Dpth (ft)	1.11	Hydr. Depth (ft)		0.70	
Conv. Total (cfs)	2101.0	Conv. (cfs)		2101.0	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		103.56	
Min Ch El (ft)	7062.97	Shear (lb/sq ft)		0.82	
Alpha	1.00	Stream Power (lb/ft s)		3.30	
Frctn Loss (ft)	0.38	Cum Volume (acre-ft)	0.00	2.33	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	2.39	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2580.00* Profile: Q100

E.G. Elev (ft)	7063.95	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.26	Wt. n-Val.		0.040	
W.S. Elev (ft)	7063.69	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		70.23	
E.G. Slope (ft/ft)	0.018716	Area (sq ft)		70.23	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	96.29	Top Width (ft)		96.29	
Vel Total (ft/s)	4.12	Avg. Vel. (ft/s)		4.12	
Max Chl Dpth (ft)	1.16	Hydr. Depth (ft)		0.73	
Conv. Total (cfs)	2112.5	Conv. (cfs)		2112.5	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		96.38	
Min Ch El (ft)	7062.53	Shear (lb/sq ft)		0.85	
Alpha	1.00	Stream Power (lb/ft s)		3.50	
Frctn Loss (ft)	0.37	Cum Volume (acre-ft)	0.00	2.30	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	2.35	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2560.00* Profile: Q100

E.G. Elev (ft)	7063.58	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.27	Wt. n-Val.		0.040	
W.S. Elev (ft)	7063.31	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		69.10	
E.G. Slope (ft/ft)	0.017870	Area (sq ft)		69.10	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	89.28	Top Width (ft)		89.28	
Vel Total (ft/s)	4.18	Avg. Vel. (ft/s)		4.18	
Max Chl Dpth (ft)	1.21	Hydr. Depth (ft)		0.77	
Conv. Total (cfs)	2161.9	Conv. (cfs)		2161.9	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		89.39	
Min Ch El (ft)	7062.10	Shear (lb/sq ft)		0.86	
Alpha	1.00	Stream Power (lb/ft s)		3.61	
Frctn Loss (ft)	0.36	Cum Volume (acre-ft)	0.00	2.27	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	2.30	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2540.00* Profile: Q100

E.G. Elev (ft)	7063.22	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.29	Wt. n-Val.		0.040	
W.S. Elev (ft)	7062.93	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		66.53	
E.G. Slope (ft/ft)	0.018127	Area (sq ft)		66.53	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	82.06	Top Width (ft)		82.06	
Vel Total (ft/s)	4.34	Avg. Vel. (ft/s)		4.34	
Max Chl Dpth (ft)	1.26	Hydr. Depth (ft)		0.81	
Conv. Total (cfs)	2146.5	Conv. (cfs)		2146.5	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		82.19	
Min Ch El (ft)	7061.67	Shear (lb/sq ft)		0.92	
Alpha	1.00	Stream Power (lb/ft s)		3.98	
Frctn Loss (ft)	0.32	Cum Volume (acre-ft)	0.00	2.24	0.00
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	2.26	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2520.00* Profile: Q100

E.G. Elev (ft)	7062.89	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.27	Wt. n-Val.		0.040	
W.S. Elev (ft)	7062.62	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		68.91	
E.G. Slope (ft/ft)	0.014359	Area (sq ft)		68.91	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	75.15	Top Width (ft)		75.15	
Vel Total (ft/s)	4.19	Avg. Vel. (ft/s)		4.19	
Max Chl Dpth (ft)	1.39	Hydr. Depth (ft)		0.92	
Conv. Total (cfs)	2411.8	Conv. (cfs)		2411.8	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		75.34	
Min Ch El (ft)	7061.23	Shear (lb/sq ft)		0.82	
Alpha	1.00	Stream Power (lb/ft s)		3.44	
Frctn Loss (ft)	0.35	Cum Volume (acre-ft)	0.00	2.21	0.00
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	2.23	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2500 Profile: Q100

E.G. Elev (ft)	7062.53	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.39	Wt. n-Val.		0.040	
W.S. Elev (ft)	7062.14	Reach Len. (ft)	28.66	29.02	29.34
Crit W.S. (ft)	7062.11	Flow Area (sq ft)		57.70	
E.G. Slope (ft/ft)	0.022287	Area (sq ft)		57.70	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	67.00	Top Width (ft)		67.00	
Vel Total (ft/s)	5.01	Avg. Vel. (ft/s)		5.01	
Max Chl Dpth (ft)	1.34	Hydr. Depth (ft)		0.86	
Conv. Total (cfs)	1935.9	Conv. (cfs)		1935.9	
Length Wtd. (ft)	29.02	Wetted Per. (ft)		67.23	
Min Ch El (ft)	7060.80	Shear (lb/sq ft)		1.19	
Alpha	1.00	Stream Power (lb/ft s)		5.98	
Frctn Loss (ft)	0.64	Cum Volume (acre-ft)	0.00	2.18	0.00
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	2.20	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2471.00* Profile: Q100

E.G. Elev (ft)	7061.88	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.37	Wt. n-Val.		0.040	
W.S. Elev (ft)	7061.51	Reach Len. (ft)	28.66	29.02	29.34
Crit W.S. (ft)	7061.47	Flow Area (sq ft)		59.39	
E.G. Slope (ft/ft)	0.021899	Area (sq ft)		59.39	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	71.12	Top Width (ft)		71.12	
Vel Total (ft/s)	4.87	Avg. Vel. (ft/s)		4.87	
Max Chl Dpth (ft)	1.36	Hydr. Depth (ft)		0.84	
Conv. Total (cfs)	1952.9	Conv. (cfs)		1952.9	
Length Wtd. (ft)	29.02	Wetted Per. (ft)		71.32	
Min Ch El (ft)	7060.15	Shear (lb/sq ft)		1.14	
Alpha	1.00	Stream Power (lb/ft s)		5.54	
Frctn Loss (ft)	0.64	Cum Volume (acre-ft)	0.00	2.14	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	2.15	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2442.00* Profile: Q100

E.G. Elev (ft)	7061.23	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.35	Wt. n-Val.		0.040	
W.S. Elev (ft)	7060.88	Reach Len. (ft)	28.66	29.02	29.34
Crit W.S. (ft)	7060.84	Flow Area (sq ft)		60.53	
E.G. Slope (ft/ft)	0.022120	Area (sq ft)		60.53	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	75.17	Top Width (ft)		75.17	
Vel Total (ft/s)	4.77	Avg. Vel. (ft/s)		4.77	
Max Chl Dpth (ft)	1.38	Hydr. Depth (ft)		0.81	
Conv. Total (cfs)	1943.1	Conv. (cfs)		1943.1	
Length Wtd. (ft)	29.02	Wetted Per. (ft)		75.36	
Min Ch El (ft)	7059.50	Shear (lb/sq ft)		1.11	
Alpha	1.00	Stream Power (lb/ft s)		5.30	
Frctn Loss (ft)	0.62	Cum Volume (acre-ft)	0.00	2.10	0.00
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	2.10	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2413.00* Profile: Q100

E.G. Elev (ft)	7060.60	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.33	Wt. n-Val.		0.040	
W.S. Elev (ft)	7060.28	Reach Len. (ft)	28.66	29.02	29.34
Crit W.S. (ft)	7060.22	Flow Area (sq ft)		63.15	
E.G. Slope (ft/ft)	0.020705	Area (sq ft)		63.15	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	79.51	Top Width (ft)		79.51	
Vel Total (ft/s)	4.58	Avg. Vel. (ft/s)		4.58	
Max Chl Dpth (ft)	1.43	Hydr. Depth (ft)		0.79	
Conv. Total (cfs)	2008.5	Conv. (cfs)		2008.5	
Length Wtd. (ft)	29.02	Wetted Per. (ft)		79.73	
Min Ch El (ft)	7058.85	Shear (lb/sq ft)		1.02	
Alpha	1.00	Stream Power (lb/ft s)		4.69	
Frctn Loss (ft)	0.63	Cum Volume (acre-ft)	0.00	2.06	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	2.05	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2384.00* Profile: Q100

E.G. Elev (ft)	7059.97	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.33	Wt. n-Val.		0.040	
W.S. Elev (ft)	7059.64	Reach Len. (ft)	28.66	29.02	29.34
Crit W.S. (ft)	7059.62	Flow Area (sq ft)		62.44	
E.G. Slope (ft/ft)	0.022931	Area (sq ft)		62.44	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	83.43	Top Width (ft)		83.43	
Vel Total (ft/s)	4.63	Avg. Vel. (ft/s)		4.63	
Max Chl Dpth (ft)	1.44	Hydr. Depth (ft)		0.75	
Conv. Total (cfs)	1908.5	Conv. (cfs)		1908.5	
Length Wtd. (ft)	29.02	Wetted Per. (ft)		83.67	
Min Ch El (ft)	7058.20	Shear (lb/sq ft)		1.07	
Alpha	1.00	Stream Power (lb/ft s)		4.94	
Frctn Loss (ft)	0.59	Cum Volume (acre-ft)	0.00	2.02	0.00
C & E Loss (ft)	0.02	Cum SA (acres)	0.00	1.99	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2355.00* Profile: Q100

E.G. Elev (ft)	7059.36	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.28	Wt. n-Val.		0.040	
W.S. Elev (ft)	7059.08	Reach Len. (ft)	28.66	29.02	29.34
Crit W.S. (ft)		Flow Area (sq ft)		68.65	
E.G. Slope (ft/ft)	0.018277	Area (sq ft)		68.65	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	89.13	Top Width (ft)		89.13	
Vel Total (ft/s)	4.21	Avg. Vel. (ft/s)		4.21	
Max Chl Dpth (ft)	1.53	Hydr. Depth (ft)		0.77	
Conv. Total (cfs)	2137.7	Conv. (cfs)		2137.7	
Length Wtd. (ft)	29.02	Wetted Per. (ft)		89.45	
Min Ch El (ft)	7057.55	Shear (lb/sq ft)		0.88	
Alpha	1.00	Stream Power (lb/ft s)		3.69	
Frctn Loss (ft)	0.63	Cum Volume (acre-ft)	0.00	1.97	0.00
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	1.94	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2326 Profile: Q100

E.G. Elev (ft)	7058.72	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.33	Wt. n-Val.		0.040	
W.S. Elev (ft)	7058.39	Reach Len. (ft)	21.60	27.80	28.00
Crit W.S. (ft)	7058.37	Flow Area (sq ft)		62.50	
E.G. Slope (ft/ft)	0.026052	Area (sq ft)		62.50	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	91.89	Top Width (ft)		91.89	
Vel Total (ft/s)	4.62	Avg. Vel. (ft/s)		4.62	
Max Chl Dpth (ft)	1.49	Hydr. Depth (ft)		0.68	
Conv. Total (cfs)	1790.5	Conv. (cfs)		1790.5	
Length Wtd. (ft)	27.80	Wetted Per. (ft)		92.30	
Min Ch El (ft)	7056.90	Shear (lb/sq ft)		1.10	
Alpha	1.00	Stream Power (lb/ft s)		5.09	
Frctn Loss (ft)	0.66	Cum Volume (acre-ft)	0.00	1.93	0.00
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	1.88	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2298.20* Profile: Q100

E.G. Elev (ft)	7058.06	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.31	Wt. n-Val.		0.040	
W.S. Elev (ft)	7057.75	Reach Len. (ft)	21.60	27.80	28.00
Crit W.S. (ft)	7057.70	Flow Area (sq ft)		64.64	
E.G. Slope (ft/ft)	0.021759	Area (sq ft)		64.64	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	87.42	Top Width (ft)		87.42	
Vel Total (ft/s)	4.47	Avg. Vel. (ft/s)		4.47	
Max Chl Dpth (ft)	1.43	Hydr. Depth (ft)		0.74	
Conv. Total (cfs)	1959.2	Conv. (cfs)		1959.2	
Length Wtd. (ft)	27.80	Wetted Per. (ft)		87.71	
Min Ch El (ft)	7056.32	Shear (lb/sq ft)		1.00	
Alpha	1.00	Stream Power (lb/ft s)		4.48	
Frctn Loss (ft)	0.65	Cum Volume (acre-ft)	0.00	1.89	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	1.82	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2270.40* Profile: Q100

E.G. Elev (ft)	7057.41	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.36	Wt. n-Val.		0.040	
W.S. Elev (ft)	7057.05	Reach Len. (ft)	21.60	27.80	28.00
Crit W.S. (ft)	7057.03	Flow Area (sq ft)		60.03	
E.G. Slope (ft/ft)	0.025096	Area (sq ft)		60.03	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	80.91	Top Width (ft)		80.91	
Vel Total (ft/s)	4.81	Avg. Vel. (ft/s)		4.81	
Max Chl Dpth (ft)	1.31	Hydr. Depth (ft)		0.74	
Conv. Total (cfs)	1824.3	Conv. (cfs)		1824.3	
Length Wtd. (ft)	27.80	Wetted Per. (ft)		81.11	
Min Ch El (ft)	7055.74	Shear (lb/sq ft)		1.16	
Alpha	1.00	Stream Power (lb/ft s)		5.58	
Frctn Loss (ft)	0.62	Cum Volume (acre-ft)	0.00	1.85	0.00
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	1.77	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2242.60* Profile: Q100

E.G. Elev (ft)	7056.78	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.33	Wt. n-Val.		0.040	
W.S. Elev (ft)	7056.45	Reach Len. (ft)	21.60	27.80	28.00
Crit W.S. (ft)	7056.38	Flow Area (sq ft)		62.59	
E.G. Slope (ft/ft)	0.019873	Area (sq ft)		62.59	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	75.42	Top Width (ft)		75.42	
Vel Total (ft/s)	4.62	Avg. Vel. (ft/s)		4.62	
Max Chl Dpth (ft)	1.29	Hydr. Depth (ft)		0.83	
Conv. Total (cfs)	2050.1	Conv. (cfs)		2050.1	
Length Wtd. (ft)	27.80	Wetted Per. (ft)		75.60	
Min Ch El (ft)	7055.16	Shear (lb/sq ft)		1.03	
Alpha	1.00	Stream Power (lb/ft s)		4.74	
Frctn Loss (ft)	0.62	Cum Volume (acre-ft)	0.00	1.81	0.00
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	1.72	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2214.80* Profile: Q100

E.G. Elev (ft)	7056.15	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.41	Wt. n-Val.		0.040	
W.S. Elev (ft)	7055.75	Reach Len. (ft)	21.60	27.80	28.00
Crit W.S. (ft)	7055.75	Flow Area (sq ft)		56.31	
E.G. Slope (ft/ft)	0.025025	Area (sq ft)		56.31	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	68.83	Top Width (ft)		68.83	
Vel Total (ft/s)	5.13	Avg. Vel. (ft/s)		5.13	
Max Chl Dpth (ft)	1.17	Hydr. Depth (ft)		0.82	
Conv. Total (cfs)	1826.9	Conv. (cfs)		1826.9	
Length Wtd. (ft)	27.80	Wetted Per. (ft)		68.99	
Min Ch El (ft)	7054.58	Shear (lb/sq ft)		1.28	
Alpha	1.00	Stream Power (lb/ft s)		6.54	
Frctn Loss (ft)	0.49	Cum Volume (acre-ft)	0.00	1.77	0.00
C & E Loss (ft)	0.04	Cum SA (acres)	0.00	1.67	0.00

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning:	During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2187 Profile: Q100

E.G. Elev (ft)	7055.61	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.29	Wt. n-Val.		0.040	
W.S. Elev (ft)	7055.32	Reach Len. (ft)	30.40	28.40	26.60
Crit W.S. (ft)	7055.13	Flow Area (sq ft)		66.66	
E.G. Slope (ft/ft)	0.013002	Area (sq ft)		66.66	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	64.13	Top Width (ft)		64.13	
Vel Total (ft/s)	4.34	Avg. Vel. (ft/s)		4.34	
Max Chl Dpth (ft)	1.32	Hydr. Depth (ft)		1.04	
Conv. Total (cfs)	2534.5	Conv. (cfs)		2534.5	
Length Wtd. (ft)	28.40	Wetted Per. (ft)		64.38	
Min Ch El (ft)	7054.00	Shear (lb/sq ft)		0.84	
Alpha	1.00	Stream Power (lb/ft s)		3.64	
Frctn Loss (ft)	0.37	Cum Volume (acre-ft)	0.00	1.73	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	1.63	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2158.60* Profile: Q100

E.G. Elev (ft)	7055.24	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.29	Wt. n-Val.		0.040	
W.S. Elev (ft)	7054.95	Reach Len. (ft)	30.40	28.40	26.60
Crit W.S. (ft)		Flow Area (sq ft)		66.95	
E.G. Slope (ft/ft)	0.013328	Area (sq ft)		66.95	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	66.12	Top Width (ft)		66.12	
Vel Total (ft/s)	4.32	Avg. Vel. (ft/s)		4.32	
Max Chl Dpth (ft)	1.35	Hydr. Depth (ft)		1.01	
Conv. Total (cfs)	2503.4	Conv. (cfs)		2503.4	
Length Wtd. (ft)	28.40	Wetted Per. (ft)		66.31	
Min Ch El (ft)	7053.60	Shear (lb/sq ft)		0.84	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2158.60* Profile: Q100 (Continued)

Alpha	1.00	Stream Power (lb/ft s)		3.63	
Frctn Loss (ft)	0.39	Cum Volume (acre-ft)	0.00	1.69	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	1.59	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2130.20* Profile: Q100

E.G. Elev (ft)	7054.85	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.29	Wt. n-Val.		0.040	
W.S. Elev (ft)	7054.56	Reach Len. (ft)	30.40	28.40	26.60
Crit W.S. (ft)		Flow Area (sq ft)		66.86	
E.G. Slope (ft/ft)	0.013851	Area (sq ft)		66.86	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	67.87	Top Width (ft)		67.87	
Vel Total (ft/s)	4.32	Avg. Vel. (ft/s)		4.32	
Max Chl Dpth (ft)	1.36	Hydr. Depth (ft)		0.99	
Conv. Total (cfs)	2455.6	Conv. (cfs)		2455.6	
Length Wtd. (ft)	28.40	Wetted Per. (ft)		68.02	
Min Ch El (ft)	7053.20	Shear (lb/sq ft)		0.85	
Alpha	1.00	Stream Power (lb/ft s)		3.67	
Frctn Loss (ft)	0.40	Cum Volume (acre-ft)	0.00	1.65	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	1.54	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2101.80* Profile: Q100

E.G. Elev (ft)	7054.45	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.29	Wt. n-Val.		0.040	
W.S. Elev (ft)	7054.16	Reach Len. (ft)	30.40	28.40	26.60
Crit W.S. (ft)		Flow Area (sq ft)		66.66	
E.G. Slope (ft/ft)	0.014400	Area (sq ft)		66.66	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	69.37	Top Width (ft)		69.37	
Vel Total (ft/s)	4.34	Avg. Vel. (ft/s)		4.34	
Max Chl Dpth (ft)	1.36	Hydr. Depth (ft)		0.96	
Conv. Total (cfs)	2408.3	Conv. (cfs)		2408.3	
Length Wtd. (ft)	28.40	Wetted Per. (ft)		69.49	
Min Ch El (ft)	7052.80	Shear (lb/sq ft)		0.86	
Alpha	1.00	Stream Power (lb/ft s)		3.74	
Frctn Loss (ft)	0.40	Cum Volume (acre-ft)	0.00	1.60	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	1.50	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2073.40* Profile: Q100

E.G. Elev (ft)	7054.05	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.28	Wt. n-Val.		0.040	
W.S. Elev (ft)	7053.77	Reach Len. (ft)	30.40	28.40	26.60
Crit W.S. (ft)		Flow Area (sq ft)		68.31	
E.G. Slope (ft/ft)	0.013490	Area (sq ft)		68.31	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	70.22	Top Width (ft)		70.22	
Vel Total (ft/s)	4.23	Avg. Vel. (ft/s)		4.23	
Max Chl Dpth (ft)	1.37	Hydr. Depth (ft)		0.97	
Conv. Total (cfs)	2488.2	Conv. (cfs)		2488.2	
Length Wtd. (ft)	28.40	Wetted Per. (ft)		70.36	
Min Ch El (ft)	7052.40	Shear (lb/sq ft)		0.82	
Alpha	1.00	Stream Power (lb/ft s)		3.46	
Frctn Loss (ft)	0.45	Cum Volume (acre-ft)	0.00	1.56	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2073.40* Profile: Q100 (Continued)

C & E Loss (ft)	0.01	Cum SA (acres)	0.00	1.45	0.00
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2045 Profile: Q100

E.G. Elev (ft)	7053.59	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.34	Wt. n-Val.		0.040	
W.S. Elev (ft)	7053.25	Reach Len. (ft)	35.80	29.20	28.80
Crit W.S. (ft)	7053.17	Flow Area (sq ft)		61.78	
E.G. Slope (ft/ft)	0.018688	Area (sq ft)		61.78	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	69.73	Top Width (ft)		69.73	
Vel Total (ft/s)	4.68	Avg. Vel. (ft/s)		4.68	
Max Chl Dpth (ft)	1.25	Hydr. Depth (ft)		0.89	
Conv. Total (cfs)	2114.1	Conv. (cfs)		2114.1	
Length Wtd. (ft)	29.20	Wetted Per. (ft)		69.89	
Min Ch El (ft)	7052.00	Shear (lb/sq ft)		1.03	
Alpha	1.00	Stream Power (lb/ft s)		4.82	
Frctn Loss (ft)	0.54	Cum Volume (acre-ft)	0.00	1.52	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	1.41	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2015.80* Profile: Q100

E.G. Elev (ft)	7053.05	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.33	Wt. n-Val.		0.040	
W.S. Elev (ft)	7052.72	Reach Len. (ft)	35.80	29.20	28.80
Crit W.S. (ft)	7052.63	Flow Area (sq ft)		62.44	
E.G. Slope (ft/ft)	0.018601	Area (sq ft)		62.44	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	71.38	Top Width (ft)		71.38	
Vel Total (ft/s)	4.63	Avg. Vel. (ft/s)		4.63	
Max Chl Dpth (ft)	1.26	Hydr. Depth (ft)		0.87	
Conv. Total (cfs)	2119.0	Conv. (cfs)		2119.0	
Length Wtd. (ft)	29.20	Wetted Per. (ft)		71.51	
Min Ch El (ft)	7051.46	Shear (lb/sq ft)		1.01	
Alpha	1.00	Stream Power (lb/ft s)		4.69	
Frctn Loss (ft)	0.54	Cum Volume (acre-ft)	0.00	1.47	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	1.36	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1986.60* Profile: Q100

E.G. Elev (ft)	7052.51	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.33	Wt. n-Val.		0.040	
W.S. Elev (ft)	7052.18	Reach Len. (ft)	35.80	29.20	28.80
Crit W.S. (ft)	7052.10	Flow Area (sq ft)		62.83	
E.G. Slope (ft/ft)	0.018707	Area (sq ft)		62.83	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	72.84	Top Width (ft)		72.84	
Vel Total (ft/s)	4.60	Avg. Vel. (ft/s)		4.60	
Max Chl Dpth (ft)	1.26	Hydr. Depth (ft)		0.86	
Conv. Total (cfs)	2113.0	Conv. (cfs)		2113.0	
Length Wtd. (ft)	29.20	Wetted Per. (ft)		72.95	
Min Ch El (ft)	7050.92	Shear (lb/sq ft)		1.01	
Alpha	1.00	Stream Power (lb/ft s)		4.63	
Frctn Loss (ft)	0.55	Cum Volume (acre-ft)	0.00	1.43	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	1.31	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1957.40* Profile: Q100

E.G. Elev (ft)	7051.96	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.32	Wt. n-Val.		0.040	
W.S. Elev (ft)	7051.64	Reach Len. (ft)	35.80	29.20	28.80
Crit W.S. (ft)	7051.56	Flow Area (sq ft)		63.22	
E.G. Slope (ft/ft)	0.018704	Area (sq ft)		63.22	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	73.99	Top Width (ft)		73.99	
Vel Total (ft/s)	4.57	Avg. Vel. (ft/s)		4.57	
Max Chl Dpth (ft)	1.26	Hydr. Depth (ft)		0.85	
Conv. Total (cfs)	2113.1	Conv. (cfs)		2113.1	
Length Wtd. (ft)	29.20	Wetted Per. (ft)		74.08	
Min Ch El (ft)	7050.38	Shear (lb/sq ft)		1.00	
Alpha	1.00	Stream Power (lb/ft s)		4.56	
Frctn Loss (ft)	0.55	Cum Volume (acre-ft)	0.00	1.39	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	1.26	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1928.20* Profile: Q100

E.G. Elev (ft)	7051.42	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.32	Wt. n-Val.		0.040	
W.S. Elev (ft)	7051.10	Reach Len. (ft)	35.80	29.20	28.80
Crit W.S. (ft)	7051.01	Flow Area (sq ft)		63.56	
E.G. Slope (ft/ft)	0.018645	Area (sq ft)		63.56	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	74.80	Top Width (ft)		74.80	
Vel Total (ft/s)	4.55	Avg. Vel. (ft/s)		4.55	
Max Chl Dpth (ft)	1.25	Hydr. Depth (ft)		0.85	
Conv. Total (cfs)	2116.5	Conv. (cfs)		2116.5	
Length Wtd. (ft)	29.20	Wetted Per. (ft)		74.89	
Min Ch El (ft)	7049.84	Shear (lb/sq ft)		0.99	
Alpha	1.00	Stream Power (lb/ft s)		4.49	
Frctn Loss (ft)	0.55	Cum Volume (acre-ft)	0.00	1.35	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	1.21	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1899 Profile: Q100

E.G. Elev (ft)	7050.87	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.33	Wt. n-Val.		0.040	
W.S. Elev (ft)	7050.54	Reach Len. (ft)	45.67	43.00	43.67
Crit W.S. (ft)	7050.46	Flow Area (sq ft)		63.03	
E.G. Slope (ft/ft)	0.019159	Area (sq ft)		63.03	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	74.76	Top Width (ft)		74.76	
Vel Total (ft/s)	4.58	Avg. Vel. (ft/s)		4.58	
Max Chl Dpth (ft)	1.24	Hydr. Depth (ft)		0.84	
Conv. Total (cfs)	2087.9	Conv. (cfs)		2087.9	
Length Wtd. (ft)	43.00	Wetted Per. (ft)		74.86	
Min Ch El (ft)	7049.30	Shear (lb/sq ft)		1.01	
Alpha	1.00	Stream Power (lb/ft s)		4.62	
Frctn Loss (ft)	0.89	Cum Volume (acre-ft)	0.00	1.30	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	1.16	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1856.00* Profile: Q100

E.G. Elev (ft)	7049.97	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.37	Wt. n-Val.		0.040	
W.S. Elev (ft)	7049.60	Reach Len. (ft)	45.67	43.00	43.67
Crit W.S. (ft)	7049.56	Flow Area (sq ft)		59.26	
E.G. Slope (ft/ft)	0.022328	Area (sq ft)		59.26	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	71.90	Top Width (ft)		71.90	
Vel Total (ft/s)	4.88	Avg. Vel. (ft/s)		4.88	
Max Chl Dpth (ft)	1.23	Hydr. Depth (ft)		0.82	
Conv. Total (cfs)	1934.1	Conv. (cfs)		1934.1	
Length Wtd. (ft)	43.00	Wetted Per. (ft)		71.97	
Min Ch El (ft)	7048.37	Shear (lb/sq ft)		1.15	
Alpha	1.00	Stream Power (lb/ft s)		5.60	
Frctn Loss (ft)	0.94	Cum Volume (acre-ft)	0.00	1.24	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	1.09	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1813.00* Profile: Q100

E.G. Elev (ft)	7049.02	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.39	Wt. n-Val.		0.040	
W.S. Elev (ft)	7048.63	Reach Len. (ft)	45.67	43.00	43.67
Crit W.S. (ft)	7048.59	Flow Area (sq ft)		57.65	
E.G. Slope (ft/ft)	0.021565	Area (sq ft)		57.65	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	65.34	Top Width (ft)		65.34	
Vel Total (ft/s)	5.01	Avg. Vel. (ft/s)		5.01	
Max Chl Dpth (ft)	1.20	Hydr. Depth (ft)		0.88	
Conv. Total (cfs)	1968.0	Conv. (cfs)		1968.0	
Length Wtd. (ft)	43.00	Wetted Per. (ft)		65.45	
Min Ch El (ft)	7047.43	Shear (lb/sq ft)		1.19	
Alpha	1.00	Stream Power (lb/ft s)		5.94	
Frctn Loss (ft)	0.99	Cum Volume (acre-ft)	0.00	1.19	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	1.02	0.00

Errors Warnings and Notes

Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1770 Profile: Q100

E.G. Elev (ft)	7048.02	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.43	Wt. n-Val.		0.040	
W.S. Elev (ft)	7047.59	Reach Len. (ft)	45.74	45.26	62.76
Crit W.S. (ft)	7047.59	Flow Area (sq ft)		55.04	
E.G. Slope (ft/ft)	0.024819	Area (sq ft)		55.04	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	64.59	Top Width (ft)		64.59	
Vel Total (ft/s)	5.25	Avg. Vel. (ft/s)		5.25	
Max Chl Dpth (ft)	1.09	Hydr. Depth (ft)		0.85	
Conv. Total (cfs)	1834.4	Conv. (cfs)		1834.4	
Length Wtd. (ft)	45.26	Wetted Per. (ft)		64.76	
Min Ch El (ft)	7046.50	Shear (lb/sq ft)		1.32	
Alpha	1.00	Stream Power (lb/ft s)		6.91	
Frctn Loss (ft)	1.14	Cum Volume (acre-ft)	0.00	1.13	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	0.96	0.00

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program used critical
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Errors Warnings and Notes (Continued)

	depth for the water surface and continued on with the calculations.
Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning:	During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1724.75* Profile: Q100

E.G. Elev (ft)	7046.90	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.45	Wt. n-Val.		0.040	
W.S. Elev (ft)	7046.45	Reach Len. (ft)	45.74	45.26	62.76
Crit W.S. (ft)	7046.47	Flow Area (sq ft)		53.98	
E.G. Slope (ft/ft)	0.027009	Area (sq ft)		53.98	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	65.59	Top Width (ft)		65.59	
Vel Total (ft/s)	5.35	Avg. Vel. (ft/s)		5.35	
Max Chl Dpth (ft)	1.07	Hydr. Depth (ft)		0.82	
Conv. Total (cfs)	1758.5	Conv. (cfs)		1758.5	
Length Wtd. (ft)	45.26	Wetted Per. (ft)		65.72	
Min Ch El (ft)	7045.38	Shear (lb/sq ft)		1.38	
Alpha	1.00	Stream Power (lb/ft s)		7.41	
Frctn Loss (ft)	1.18	Cum Volume (acre-ft)	0.00	1.07	0.00
C & E Loss (ft)	0.02	Cum SA (acres)	0.00	0.89	0.00

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program selected the water surface that had the least amount of error between computed and assumed values.
Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Note:	Program found supercritical flow starting at this cross section.

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1679.50* Profile: Q100

E.G. Elev (ft)	7045.76	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.46	Wt. n-Val.		0.040	
W.S. Elev (ft)	7045.31	Reach Len. (ft)	45.74	45.26	62.76
Crit W.S. (ft)	7045.36	Flow Area (sq ft)		53.38	
E.G. Slope (ft/ft)	0.030720	Area (sq ft)		53.38	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	70.31	Top Width (ft)		70.31	
Vel Total (ft/s)	5.41	Avg. Vel. (ft/s)		5.41	
Max Chl Dpth (ft)	1.06	Hydr. Depth (ft)		0.76	
Conv. Total (cfs)	1648.9	Conv. (cfs)		1648.9	
Length Wtd. (ft)	45.26	Wetted Per. (ft)		70.41	
Min Ch El (ft)	7044.25	Shear (lb/sq ft)		1.45	
Alpha	1.00	Stream Power (lb/ft s)		7.87	
Frctn Loss (ft)	0.86	Cum Volume (acre-ft)	0.00	1.02	0.00
C & E Loss (ft)	0.04	Cum SA (acres)	0.00	0.82	0.00

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program selected the water surface that had the least amount of error between computed and assumed values.
Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1634.25* Profile: Q100

E.G. Elev (ft)	7044.61	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.27	Wt. n-Val.		0.040	
W.S. Elev (ft)	7044.34	Reach Len. (ft)	45.74	45.26	62.76
Crit W.S. (ft)	7044.20	Flow Area (sq ft)		69.41	
E.G. Slope (ft/ft)	0.014682	Area (sq ft)		69.41	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	77.86	Top Width (ft)		77.86	
Vel Total (ft/s)	4.16	Avg. Vel. (ft/s)		4.16	
Max Chl Dpth (ft)	1.22	Hydr. Depth (ft)		0.89	
Conv. Total (cfs)	2385.1	Conv. (cfs)		2385.1	
Length Wtd. (ft)	45.26	Wetted Per. (ft)		78.02	
Min Ch El (ft)	7043.12	Shear (lb/sq ft)		0.82	
Alpha	1.00	Stream Power (lb/ft s)		3.40	
Frctn Loss (ft)	0.70	Cum Volume (acre-ft)	0.00	0.95	0.00
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	0.74	0.00

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Note:	Hydraulic jump has occurred between this cross section and the previous upstream section.

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1589 Profile: Q100

E.G. Elev (ft)	7043.90	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.42	Wt. n-Val.		0.040	
W.S. Elev (ft)	7043.48	Reach Len. (ft)	32.44	33.58	31.14
Crit W.S. (ft)		Flow Area (sq ft)		96.08	
E.G. Slope (ft/ft)	0.015914	Area (sq ft)		96.08	
Q Total (cfs)	498.00	Flow (cfs)		498.00	
Top Width (ft)	82.31	Top Width (ft)		82.31	
Vel Total (ft/s)	5.18	Avg. Vel. (ft/s)		5.18	
Max Chl Dpth (ft)	1.48	Hydr. Depth (ft)		1.17	
Conv. Total (cfs)	3947.7	Conv. (cfs)		3947.7	
Length Wtd. (ft)	33.58	Wetted Per. (ft)		82.61	
Min Ch El (ft)	7042.00	Shear (lb/sq ft)		1.16	
Alpha	1.00	Stream Power (lb/ft s)		5.99	
Frctn Loss (ft)	0.53	Cum Volume (acre-ft)	0.00	0.87	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	0.66	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1555.43* Profile: Q100

E.G. Elev (ft)	7043.36	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.43	Wt. n-Val.		0.040	
W.S. Elev (ft)	7042.93	Reach Len. (ft)	32.44	33.58	31.14
Crit W.S. (ft)		Flow Area (sq ft)		94.55	
E.G. Slope (ft/ft)	0.015877	Area (sq ft)		94.55	
Q Total (cfs)	498.00	Flow (cfs)		498.00	
Top Width (ft)	78.95	Top Width (ft)		78.95	
Vel Total (ft/s)	5.27	Avg. Vel. (ft/s)		5.27	
Max Chl Dpth (ft)	1.54	Hydr. Depth (ft)		1.20	
Conv. Total (cfs)	3952.2	Conv. (cfs)		3952.2	
Length Wtd. (ft)	33.58	Wetted Per. (ft)		79.21	
Min Ch El (ft)	7041.39	Shear (lb/sq ft)		1.18	
Alpha	1.00	Stream Power (lb/ft s)		6.23	
Frctn Loss (ft)	0.53	Cum Volume (acre-ft)	0.00	0.80	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1555.43* Profile: Q100 (Continued)

C & E Loss (ft)	0.00	Cum SA (acres)	0.00	0.60	0.00
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1521.86* Profile: Q100

E.G. Elev (ft)	7042.83	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.44	Wt. n-Val.		0.040	
W.S. Elev (ft)	7042.39	Reach Len. (ft)	32.44	33.58	31.14
Crit W.S. (ft)		Flow Area (sq ft)		93.63	
E.G. Slope (ft/ft)	0.015520	Area (sq ft)		93.63	
Q Total (cfs)	498.00	Flow (cfs)		498.00	
Top Width (ft)	75.75	Top Width (ft)		75.75	
Vel Total (ft/s)	5.32	Avg. Vel. (ft/s)		5.32	
Max Chl Dpth (ft)	1.62	Hydr. Depth (ft)		1.24	
Conv. Total (cfs)	3997.5	Conv. (cfs)		3997.5	
Length Wtd. (ft)	33.58	Wetted Per. (ft)		75.99	
Min Ch El (ft)	7040.77	Shear (lb/sq ft)		1.19	
Alpha	1.00	Stream Power (lb/ft s)		6.35	
Frctn Loss (ft)	0.52	Cum Volume (acre-ft)	0.00	0.72	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	0.54	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1488.29* Profile: Q100

E.G. Elev (ft)	7042.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.46	Wt. n-Val.		0.040	
W.S. Elev (ft)	7041.85	Reach Len. (ft)	32.44	33.58	31.14
Crit W.S. (ft)	7041.71	Flow Area (sq ft)		91.64	
E.G. Slope (ft/ft)	0.015707	Area (sq ft)		91.64	
Q Total (cfs)	498.00	Flow (cfs)		498.00	
Top Width (ft)	72.44	Top Width (ft)		72.44	
Vel Total (ft/s)	5.43	Avg. Vel. (ft/s)		5.43	
Max Chl Dpth (ft)	1.69	Hydr. Depth (ft)		1.26	
Conv. Total (cfs)	3973.6	Conv. (cfs)		3973.6	
Length Wtd. (ft)	33.58	Wetted Per. (ft)		72.66	
Min Ch El (ft)	7040.16	Shear (lb/sq ft)		1.24	
Alpha	1.00	Stream Power (lb/ft s)		6.72	
Frctn Loss (ft)	0.52	Cum Volume (acre-ft)	0.00	0.65	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	0.48	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1454.71* Profile: Q100

E.G. Elev (ft)	7041.79	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.47	Wt. n-Val.		0.040	
W.S. Elev (ft)	7041.32	Reach Len. (ft)	32.44	33.58	31.14
Crit W.S. (ft)		Flow Area (sq ft)		90.86	
E.G. Slope (ft/ft)	0.015266	Area (sq ft)		90.86	
Q Total (cfs)	498.00	Flow (cfs)		498.00	
Top Width (ft)	69.41	Top Width (ft)		69.41	
Vel Total (ft/s)	5.48	Avg. Vel. (ft/s)		5.48	
Max Chl Dpth (ft)	1.78	Hydr. Depth (ft)		1.31	
Conv. Total (cfs)	4030.6	Conv. (cfs)		4030.6	
Length Wtd. (ft)	33.58	Wetted Per. (ft)		69.63	
Min Ch El (ft)	7039.54	Shear (lb/sq ft)		1.24	
Alpha	1.00	Stream Power (lb/ft s)		6.82	
Frctn Loss (ft)	0.51	Cum Volume (acre-ft)	0.00	0.58	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	0.42	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1421.14* Profile: Q100

E.G. Elev (ft)	7041.27	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.48	Wt. n-Val.		0.040	
W.S. Elev (ft)	7040.79	Reach Len. (ft)	32.44	33.58	31.14
Crit W.S. (ft)		Flow Area (sq ft)		89.19	
E.G. Slope (ft/ft)	0.015304	Area (sq ft)		89.19	
Q Total (cfs)	498.00	Flow (cfs)		498.00	
Top Width (ft)	66.38	Top Width (ft)		66.38	
Vel Total (ft/s)	5.58	Avg. Vel. (ft/s)		5.58	
Max Chl Dpth (ft)	1.86	Hydr. Depth (ft)		1.34	
Conv. Total (cfs)	4025.6	Conv. (cfs)		4025.6	
Length Wtd. (ft)	33.58	Wetted Per. (ft)		66.60	
Min Ch El (ft)	7038.93	Shear (lb/sq ft)		1.28	
Alpha	1.00	Stream Power (lb/ft s)		7.14	
Frctn Loss (ft)	0.48	Cum Volume (acre-ft)	0.00	0.51	0.00
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	0.37	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1387.57* Profile: Q100

E.G. Elev (ft)	7040.78	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.46	Wt. n-Val.		0.040	0.000
W.S. Elev (ft)	7040.32	Reach Len. (ft)	32.44	33.58	31.14
Crit W.S. (ft)		Flow Area (sq ft)		91.34	0.00
E.G. Slope (ft/ft)	0.013559	Area (sq ft)	0.00	91.34	0.00
Q Total (cfs)	498.00	Flow (cfs)		498.00	0.00
Top Width (ft)	64.42	Top Width (ft)	0.03	64.30	0.09
Vel Total (ft/s)	5.45	Avg. Vel. (ft/s)		5.45	0.09
Max Chl Dpth (ft)	2.01	Hydr. Depth (ft)		1.42	0.00
Conv. Total (cfs)	4276.7	Conv. (cfs)		4276.7	0.0
Length Wtd. (ft)	33.58	Wetted Per. (ft)		64.54	0.09
Min Ch El (ft)	7038.31	Shear (lb/sq ft)		1.20	
Alpha	1.00	Stream Power (lb/ft s)		6.53	
Frctn Loss (ft)	0.52	Cum Volume (acre-ft)	0.00	0.44	0.00
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	0.32	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1354 Profile: Q100

E.G. Elev (ft)	7040.25	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.58	Wt. n-Val.		0.040	
W.S. Elev (ft)	7039.67	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)	7039.59	Flow Area (sq ft)		81.71	
E.G. Slope (ft/ft)	0.018029	Area (sq ft)		81.71	
Q Total (cfs)	498.00	Flow (cfs)		498.00	
Top Width (ft)	60.24	Top Width (ft)		60.24	
Vel Total (ft/s)	6.09	Avg. Vel. (ft/s)		6.09	
Max Chl Dpth (ft)	1.97	Hydr. Depth (ft)		1.36	
Conv. Total (cfs)	3708.9	Conv. (cfs)		3708.9	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		60.50	
Min Ch El (ft)	7037.70	Shear (lb/sq ft)		1.52	
Alpha	1.00	Stream Power (lb/ft s)		9.27	
Frctn Loss (ft)	0.32	Cum Volume (acre-ft)		0.38	
C & E Loss (ft)	0.00	Cum SA (acres)		0.27	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1335.88* Profile: Q100

E.G. Elev (ft)	7039.92	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.56	Wt. n-Val.		0.040	
W.S. Elev (ft)	7039.36	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)	7039.26	Flow Area (sq ft)		82.84	
E.G. Slope (ft/ft)	0.017683	Area (sq ft)		82.84	
Q Total (cfs)	498.00	Flow (cfs)		498.00	
Top Width (ft)	61.47	Top Width (ft)		61.47	
Vel Total (ft/s)	6.01	Avg. Vel. (ft/s)		6.01	
Max Chl Dpth (ft)	1.90	Hydr. Depth (ft)		1.35	
Conv. Total (cfs)	3745.0	Conv. (cfs)		3745.0	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		61.70	
Min Ch El (ft)	7037.46	Shear (lb/sq ft)		1.48	
Alpha	1.00	Stream Power (lb/ft s)		8.91	
Frctn Loss (ft)	0.32	Cum Volume (acre-ft)		0.34	
C & E Loss (ft)	0.00	Cum SA (acres)		0.25	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1317.75* Profile: Q100

E.G. Elev (ft)	7039.59	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.55	Wt. n-Val.		0.040	
W.S. Elev (ft)	7039.05	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)	7038.94	Flow Area (sq ft)		83.87	
E.G. Slope (ft/ft)	0.017467	Area (sq ft)		83.87	
Q Total (cfs)	498.00	Flow (cfs)		498.00	
Top Width (ft)	62.83	Top Width (ft)		62.83	
Vel Total (ft/s)	5.94	Avg. Vel. (ft/s)		5.94	
Max Chl Dpth (ft)	1.82	Hydr. Depth (ft)		1.33	
Conv. Total (cfs)	3768.1	Conv. (cfs)		3768.1	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		63.06	
Min Ch El (ft)	7037.23	Shear (lb/sq ft)		1.45	
Alpha	1.00	Stream Power (lb/ft s)		8.61	
Frctn Loss (ft)	0.32	Cum Volume (acre-ft)		0.31	
C & E Loss (ft)	0.00	Cum SA (acres)		0.22	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1299.63* Profile: Q100

E.G. Elev (ft)	7039.27	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.54	Wt. n-Val.		0.040	
W.S. Elev (ft)	7038.74	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)	7038.65	Flow Area (sq ft)		84.79	
E.G. Slope (ft/ft)	0.017400	Area (sq ft)		84.79	
Q Total (cfs)	498.00	Flow (cfs)		498.00	
Top Width (ft)	64.39	Top Width (ft)		64.39	
Vel Total (ft/s)	5.87	Avg. Vel. (ft/s)		5.87	
Max Chl Dpth (ft)	1.75	Hydr. Depth (ft)		1.32	
Conv. Total (cfs)	3775.4	Conv. (cfs)		3775.4	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		64.61	
Min Ch El (ft)	7036.99	Shear (lb/sq ft)		1.43	
Alpha	1.00	Stream Power (lb/ft s)		8.37	
Frctn Loss (ft)	0.32	Cum Volume (acre-ft)		0.27	
C & E Loss (ft)	0.00	Cum SA (acres)		0.20	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1281.50* Profile: Q100

E.G. Elev (ft)	7038.95	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.53	Wt. n-Val.		0.040	
W.S. Elev (ft)	7038.43	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)		Flow Area (sq ft)		85.66	
E.G. Slope (ft/ft)	0.017388	Area (sq ft)		85.66	
Q Total (cfs)	498.00	Flow (cfs)		498.00	
Top Width (ft)	66.02	Top Width (ft)		66.02	
Vel Total (ft/s)	5.81	Avg. Vel. (ft/s)		5.81	
Max Chl Dpth (ft)	1.68	Hydr. Depth (ft)		1.30	
Conv. Total (cfs)	3776.6	Conv. (cfs)		3776.6	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		66.25	
Min Ch El (ft)	7036.75	Shear (lb/sq ft)		1.40	
Alpha	1.00	Stream Power (lb/ft s)		8.16	
Frctn Loss (ft)	0.31	Cum Volume (acre-ft)		0.24	
C & E Loss (ft)	0.01	Cum SA (acres)		0.17	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1263.38* Profile: Q100

E.G. Elev (ft)	7038.64	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.50	Wt. n-Val.		0.040	
W.S. Elev (ft)	7038.14	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)		Flow Area (sq ft)		87.59	
E.G. Slope (ft/ft)	0.016736	Area (sq ft)		87.59	
Q Total (cfs)	498.00	Flow (cfs)		498.00	
Top Width (ft)	67.82	Top Width (ft)		67.82	
Vel Total (ft/s)	5.69	Avg. Vel. (ft/s)		5.69	
Max Chl Dpth (ft)	1.63	Hydr. Depth (ft)		1.29	
Conv. Total (cfs)	3849.5	Conv. (cfs)		3849.5	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		68.07	
Min Ch El (ft)	7036.51	Shear (lb/sq ft)		1.34	
Alpha	1.00	Stream Power (lb/ft s)		7.64	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)		0.20	
C & E Loss (ft)	0.02	Cum SA (acres)		0.14	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1245.25* Profile: Q100

E.G. Elev (ft)	7038.34	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.45	Wt. n-Val.		0.040	
W.S. Elev (ft)	7037.89	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)		Flow Area (sq ft)		92.54	
E.G. Slope (ft/ft)	0.014553	Area (sq ft)		92.54	
Q Total (cfs)	498.00	Flow (cfs)		498.00	
Top Width (ft)	70.04	Top Width (ft)		70.04	
Vel Total (ft/s)	5.38	Avg. Vel. (ft/s)		5.38	
Max Chl Dpth (ft)	1.62	Hydr. Depth (ft)		1.32	
Conv. Total (cfs)	4128.1	Conv. (cfs)		4128.1	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		70.32	
Min Ch El (ft)	7036.27	Shear (lb/sq ft)		1.20	
Alpha	1.00	Stream Power (lb/ft s)		6.43	
Frctn Loss (ft)	0.22	Cum Volume (acre-ft)		0.16	
C & E Loss (ft)	0.03	Cum SA (acres)		0.11	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1227.13* Profile: Q100

E.G. Elev (ft)	7038.09	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.36	Wt. n-Val.		0.040	
W.S. Elev (ft)	7037.74	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)		Flow Area (sq ft)		103.92	
E.G. Slope (ft/ft)	0.010435	Area (sq ft)		103.92	
Q Total (cfs)	498.00	Flow (cfs)		498.00	
Top Width (ft)	72.89	Top Width (ft)		72.89	
Vel Total (ft/s)	4.79	Avg. Vel. (ft/s)		4.79	
Max Chl Dpth (ft)	1.69	Hydr. Depth (ft)		1.43	
Conv. Total (cfs)	4875.0	Conv. (cfs)		4875.0	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		73.23	
Min Ch EI (ft)	7036.04	Shear (lb/sq ft)		0.92	
Alpha	1.00	Stream Power (lb/ft s)		4.43	
Frctn Loss (ft)	0.15	Cum Volume (acre-ft)		0.12	
C & E Loss (ft)	0.03	Cum SA (acres)		0.08	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1209 Profile: Q100

E.G. Elev (ft)	7037.92	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.26	Wt. n-Val.		0.040	
W.S. Elev (ft)	7037.66	Reach Len. (ft)	17.50	18.00	16.00
Crit W.S. (ft)		Flow Area (sq ft)		121.79	
E.G. Slope (ft/ft)	0.006550	Area (sq ft)		121.79	
Q Total (cfs)	498.00	Flow (cfs)		498.00	
Top Width (ft)	76.35	Top Width (ft)		76.35	
Vel Total (ft/s)	4.09	Avg. Vel. (ft/s)		4.09	
Max Chl Dpth (ft)	1.85	Hydr. Depth (ft)		1.60	
Conv. Total (cfs)	6153.2	Conv. (cfs)		6153.2	
Length Wtd. (ft)	18.00	Wetted Per. (ft)		76.78	
Min Ch EI (ft)	7035.80	Shear (lb/sq ft)		0.65	
Alpha	1.00	Stream Power (lb/ft s)		2.65	
Frctn Loss (ft)	0.19	Cum Volume (acre-ft)		0.07	
C & E Loss (ft)	0.03	Cum SA (acres)		0.05	

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1191.00* Profile: Q100

E.G. Elev (ft)	7037.69	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.58	Wt. n-Val.		0.040	
W.S. Elev (ft)	7037.11	Reach Len. (ft)	17.50	18.00	16.00
Crit W.S. (ft)	7037.05	Flow Area (sq ft)		81.38	
E.G. Slope (ft/ft)	0.019197	Area (sq ft)		81.38	
Q Total (cfs)	498.00	Flow (cfs)		498.00	
Top Width (ft)	62.53	Top Width (ft)		62.53	
Vel Total (ft/s)	6.12	Avg. Vel. (ft/s)		6.12	
Max Chl Dpth (ft)	1.71	Hydr. Depth (ft)		1.30	
Conv. Total (cfs)	3594.3	Conv. (cfs)		3594.3	
Length Wtd. (ft)	18.00	Wetted Per. (ft)		62.78	
Min Ch EI (ft)	7035.40	Shear (lb/sq ft)		1.55	
Alpha	1.00	Stream Power (lb/ft s)		9.51	
Frctn Loss (ft)	0.33	Cum Volume (acre-ft)		0.03	
C & E Loss (ft)	0.01	Cum SA (acres)		0.02	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1173 Profile: Q100

E.G. Elev (ft)	7037.36	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.66	Wt. n-Val.		0.040	
W.S. Elev (ft)	7036.70	Reach Len. (ft)			
Crit W.S. (ft)	7036.62	Flow Area (sq ft)		76.52	
E.G. Slope (ft/ft)	0.017710	Area (sq ft)		76.52	
Q Total (cfs)	498.00	Flow (cfs)		498.00	
Top Width (ft)	50.07	Top Width (ft)		50.07	
Vel Total (ft/s)	6.51	Avg. Vel. (ft/s)		6.51	
Max Chl Dpth (ft)	1.70	Hydr. Depth (ft)		1.53	
Conv. Total (cfs)	3742.1	Conv. (cfs)		3742.1	
Length Wtd. (ft)		Wetted Per. (ft)		50.67	
Min Ch El (ft)	7035.00	Shear (lb/sq ft)		1.67	
Alpha	1.00	Stream Power (lb/ft s)		10.87	
Frctn Loss (ft)		Cum Volume (acre-ft)			
C & E Loss (ft)		Cum SA (acres)			

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 4141 Profile: Q010

E.G. Elev (ft)	7089.81	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.		0.040	
W.S. Elev (ft)	7089.69	Reach Len. (ft)	26.60	28.80	30.40
Crit W.S. (ft)	7089.65	Flow Area (sq ft)		10.08	
E.G. Slope (ft/ft)	0.023758	Area (sq ft)		10.08	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	29.81	Top Width (ft)		29.81	
Vel Total (ft/s)	2.78	Avg. Vel. (ft/s)		2.78	
Max Chl Dpth (ft)	0.49	Hydr. Depth (ft)		0.34	
Conv. Total (cfs)	181.7	Conv. (cfs)		181.7	
Length Wtd. (ft)	28.80	Wetted Per. (ft)		29.84	
Min Ch El (ft)	7089.20	Shear (lb/sq ft)		0.50	
Alpha	1.00	Stream Power (lb/ft s)		1.39	
Frctn Loss (ft)	0.66	Cum Volume (acre-ft)		1.17	
C & E Loss (ft)	0.00	Cum SA (acres)		3.32	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 4112.20* Profile: Q010

E.G. Elev (ft)	7089.15	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.11	Wt. n-Val.		0.040	
W.S. Elev (ft)	7089.04	Reach Len. (ft)	26.60	28.80	30.40
Crit W.S. (ft)		Flow Area (sq ft)		10.33	
E.G. Slope (ft/ft)	0.021964	Area (sq ft)		10.33	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	29.86	Top Width (ft)		29.86	
Vel Total (ft/s)	2.71	Avg. Vel. (ft/s)		2.71	
Max Chl Dpth (ft)	0.50	Hydr. Depth (ft)		0.35	
Conv. Total (cfs)	188.9	Conv. (cfs)		188.9	
Length Wtd. (ft)	28.80	Wetted Per. (ft)		29.90	
Min Ch El (ft)	7088.54	Shear (lb/sq ft)		0.47	
Alpha	1.00	Stream Power (lb/ft s)		1.28	
Frctn Loss (ft)	0.67	Cum Volume (acre-ft)		1.17	
C & E Loss (ft)	0.00	Cum SA (acres)		3.30	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 4083.40* Profile: Q010

E.G. Elev (ft)	7088.48	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.		0.040	
W.S. Elev (ft)	7088.36	Reach Len. (ft)	26.60	28.80	30.40
Crit W.S. (ft)	7088.32	Flow Area (sq ft)		9.92	
E.G. Slope (ft/ft)	0.025041	Area (sq ft)		9.92	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	29.82	Top Width (ft)		29.82	
Vel Total (ft/s)	2.82	Avg. Vel. (ft/s)		2.82	
Max Chl Dpth (ft)	0.48	Hydr. Depth (ft)		0.33	
Conv. Total (cfs)	176.9	Conv. (cfs)		176.9	
Length Wtd. (ft)	28.80	Wetted Per. (ft)		29.85	
Min Ch El (ft)	7087.88	Shear (lb/sq ft)		0.52	
Alpha	1.00	Stream Power (lb/ft s)		1.47	
Frctn Loss (ft)	0.65	Cum Volume (acre-ft)		1.16	
C & E Loss (ft)	0.00	Cum SA (acres)		3.28	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 4054.60* Profile: Q010

E.G. Elev (ft)	7087.82	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.11	Wt. n-Val.		0.040	
W.S. Elev (ft)	7087.71	Reach Len. (ft)	26.60	28.80	30.40
Crit W.S. (ft)	7087.66	Flow Area (sq ft)		10.61	
E.G. Slope (ft/ft)	0.020331	Area (sq ft)		10.61	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	30.14	Top Width (ft)		30.14	
Vel Total (ft/s)	2.64	Avg. Vel. (ft/s)		2.64	
Max Chl Dpth (ft)	0.49	Hydr. Depth (ft)		0.35	
Conv. Total (cfs)	196.4	Conv. (cfs)		196.4	
Length Wtd. (ft)	28.80	Wetted Per. (ft)		30.18	
Min Ch El (ft)	7087.22	Shear (lb/sq ft)		0.45	
Alpha	1.00	Stream Power (lb/ft s)		1.18	
Frctn Loss (ft)	0.68	Cum Volume (acre-ft)		1.15	
C & E Loss (ft)	0.00	Cum SA (acres)		3.26	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 4025.80* Profile: Q010

E.G. Elev (ft)	7087.14	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.13	Wt. n-Val.		0.040	
W.S. Elev (ft)	7087.00	Reach Len. (ft)	26.60	28.80	30.40
Crit W.S. (ft)	7086.98	Flow Area (sq ft)		9.57	
E.G. Slope (ft/ft)	0.027563	Area (sq ft)		9.57	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	29.22	Top Width (ft)		29.22	
Vel Total (ft/s)	2.93	Avg. Vel. (ft/s)		2.93	
Max Chl Dpth (ft)	0.44	Hydr. Depth (ft)		0.33	
Conv. Total (cfs)	168.7	Conv. (cfs)		168.7	
Length Wtd. (ft)	28.80	Wetted Per. (ft)		29.25	
Min Ch El (ft)	7086.56	Shear (lb/sq ft)		0.56	
Alpha	1.00	Stream Power (lb/ft s)		1.65	
Frctn Loss (ft)	0.66	Cum Volume (acre-ft)		1.15	
C & E Loss (ft)	0.01	Cum SA (acres)		3.24	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3997 Profile: Q010

E.G. Elev (ft)	7086.47	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.11	Wt. n-Val.		0.040	
W.S. Elev (ft)	7086.36	Reach Len. (ft)	20.83	19.50	18.33
Crit W.S. (ft)		Flow Area (sq ft)		10.42	
E.G. Slope (ft/ft)	0.019541	Area (sq ft)		10.42	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	27.91	Top Width (ft)		27.91	
Vel Total (ft/s)	2.69	Avg. Vel. (ft/s)		2.69	
Max Chl Dpth (ft)	0.46	Hydr. Depth (ft)		0.37	
Conv. Total (cfs)	200.3	Conv. (cfs)		200.3	
Length Wtd. (ft)	19.50	Wetted Per. (ft)		27.99	
Min Ch El (ft)	7085.90	Shear (lb/sq ft)		0.45	
Alpha	1.00	Stream Power (lb/ft s)		1.22	
Frctn Loss (ft)	0.37	Cum Volume (acre-ft)		1.14	
C & E Loss (ft)	0.00	Cum SA (acres)		3.23	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3977.50* Profile: Q010

E.G. Elev (ft)	7086.10	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.11	Wt. n-Val.		0.040	
W.S. Elev (ft)	7085.99	Reach Len. (ft)	20.83	19.50	18.33
Crit W.S. (ft)		Flow Area (sq ft)		10.57	
E.G. Slope (ft/ft)	0.018411	Area (sq ft)		10.57	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	27.66	Top Width (ft)		27.66	
Vel Total (ft/s)	2.65	Avg. Vel. (ft/s)		2.65	
Max Chl Dpth (ft)	0.47	Hydr. Depth (ft)		0.38	
Conv. Total (cfs)	206.4	Conv. (cfs)		206.4	
Length Wtd. (ft)	19.50	Wetted Per. (ft)		27.73	
Min Ch El (ft)	7085.52	Shear (lb/sq ft)		0.44	
Alpha	1.00	Stream Power (lb/ft s)		1.16	
Frctn Loss (ft)	0.37	Cum Volume (acre-ft)		1.13	
C & E Loss (ft)	0.00	Cum SA (acres)		3.21	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3958.00* Profile: Q010

E.G. Elev (ft)	7085.72	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.11	Wt. n-Val.		0.040	
W.S. Elev (ft)	7085.61	Reach Len. (ft)	20.83	19.50	18.33
Crit W.S. (ft)		Flow Area (sq ft)		10.30	
E.G. Slope (ft/ft)	0.019513	Area (sq ft)		10.30	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	27.13	Top Width (ft)		27.13	
Vel Total (ft/s)	2.72	Avg. Vel. (ft/s)		2.72	
Max Chl Dpth (ft)	0.48	Hydr. Depth (ft)		0.38	
Conv. Total (cfs)	200.4	Conv. (cfs)		200.4	
Length Wtd. (ft)	19.50	Wetted Per. (ft)		27.20	
Min Ch El (ft)	7085.13	Shear (lb/sq ft)		0.46	
Alpha	1.00	Stream Power (lb/ft s)		1.25	
Frctn Loss (ft)	0.39	Cum Volume (acre-ft)		1.13	
C & E Loss (ft)	0.00	Cum SA (acres)		3.20	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3938.50* Profile: Q010

E.G. Elev (ft)	7085.34	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.		0.040	
W.S. Elev (ft)	7085.22	Reach Len. (ft)	20.83	19.50	18.33
Crit W.S. (ft)		Flow Area (sq ft)		10.11	
E.G. Slope (ft/ft)	0.020221	Area (sq ft)		10.11	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	26.53	Top Width (ft)		26.53	
Vel Total (ft/s)	2.77	Avg. Vel. (ft/s)		2.77	
Max Chl Dpth (ft)	0.47	Hydr. Depth (ft)		0.38	
Conv. Total (cfs)	196.9	Conv. (cfs)		196.9	
Length Wtd. (ft)	19.50	Wetted Per. (ft)		26.60	
Min Ch El (ft)	7084.75	Shear (lb/sq ft)		0.48	
Alpha	1.00	Stream Power (lb/ft s)		1.33	
Frctn Loss (ft)	0.37	Cum Volume (acre-ft)		1.13	
C & E Loss (ft)	0.00	Cum SA (acres)		3.19	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3919.00* Profile: Q010

E.G. Elev (ft)	7084.96	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.11	Wt. n-Val.		0.040	
W.S. Elev (ft)	7084.85	Reach Len. (ft)	20.83	19.50	18.33
Crit W.S. (ft)		Flow Area (sq ft)		10.38	
E.G. Slope (ft/ft)	0.018278	Area (sq ft)		10.38	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	26.27	Top Width (ft)		26.27	
Vel Total (ft/s)	2.70	Avg. Vel. (ft/s)		2.70	
Max Chl Dpth (ft)	0.48	Hydr. Depth (ft)		0.40	
Conv. Total (cfs)	207.1	Conv. (cfs)		207.1	
Length Wtd. (ft)	19.50	Wetted Per. (ft)		26.34	
Min Ch El (ft)	7084.37	Shear (lb/sq ft)		0.45	
Alpha	1.00	Stream Power (lb/ft s)		1.21	
Frctn Loss (ft)	0.40	Cum Volume (acre-ft)		1.12	
C & E Loss (ft)	0.00	Cum SA (acres)		3.18	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3899.50* Profile: Q010

E.G. Elev (ft)	7084.56	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.13	Wt. n-Val.		0.040	
W.S. Elev (ft)	7084.43	Reach Len. (ft)	20.83	19.50	18.33
Crit W.S. (ft)		Flow Area (sq ft)		9.61	
E.G. Slope (ft/ft)	0.023059	Area (sq ft)		9.61	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	25.78	Top Width (ft)		25.78	
Vel Total (ft/s)	2.92	Avg. Vel. (ft/s)		2.92	
Max Chl Dpth (ft)	0.45	Hydr. Depth (ft)		0.37	
Conv. Total (cfs)	184.4	Conv. (cfs)		184.4	
Length Wtd. (ft)	19.50	Wetted Per. (ft)		25.86	
Min Ch El (ft)	7083.98	Shear (lb/sq ft)		0.53	
Alpha	1.00	Stream Power (lb/ft s)		1.56	
Frctn Loss (ft)	0.35	Cum Volume (acre-ft)		1.12	
C & E Loss (ft)	0.01	Cum SA (acres)		3.17	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3880 Profile: Q010

E.G. Elev (ft)	7084.20	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.040	
W.S. Elev (ft)	7084.11	Reach Len. (ft)	35.00	36.00	36.60
Crit W.S. (ft)		Flow Area (sq ft)		11.11	
E.G. Slope (ft/ft)	0.014464	Area (sq ft)		11.11	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	26.12	Top Width (ft)		26.12	
Vel Total (ft/s)	2.52	Avg. Vel. (ft/s)		2.52	
Max Chl Dpth (ft)	0.50	Hydr. Depth (ft)		0.43	
Conv. Total (cfs)	232.8	Conv. (cfs)		232.8	
Length Wtd. (ft)	36.00	Wetted Per. (ft)		26.23	
Min Ch El (ft)	7083.60	Shear (lb/sq ft)		0.38	
Alpha	1.00	Stream Power (lb/ft s)		0.96	
Frctn Loss (ft)	0.53	Cum Volume (acre-ft)		1.11	
C & E Loss (ft)	0.00	Cum SA (acres)		3.15	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3844.00* Profile: Q010

E.G. Elev (ft)	7083.67	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.040	
W.S. Elev (ft)	7083.57	Reach Len. (ft)	35.00	36.00	36.60
Crit W.S. (ft)		Flow Area (sq ft)		10.97	
E.G. Slope (ft/ft)	0.015137	Area (sq ft)		10.97	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	26.18	Top Width (ft)		26.18	
Vel Total (ft/s)	2.55	Avg. Vel. (ft/s)		2.55	
Max Chl Dpth (ft)	0.51	Hydr. Depth (ft)		0.42	
Conv. Total (cfs)	227.6	Conv. (cfs)		227.6	
Length Wtd. (ft)	36.00	Wetted Per. (ft)		26.26	
Min Ch El (ft)	7083.06	Shear (lb/sq ft)		0.39	
Alpha	1.00	Stream Power (lb/ft s)		1.01	
Frctn Loss (ft)	0.53	Cum Volume (acre-ft)		1.10	
C & E Loss (ft)	0.00	Cum SA (acres)		3.13	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3808.00* Profile: Q010

E.G. Elev (ft)	7083.14	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.040	
W.S. Elev (ft)	7083.04	Reach Len. (ft)	35.00	36.00	36.60
Crit W.S. (ft)		Flow Area (sq ft)		11.12	
E.G. Slope (ft/ft)	0.014547	Area (sq ft)		11.12	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	26.33	Top Width (ft)		26.33	
Vel Total (ft/s)	2.52	Avg. Vel. (ft/s)		2.52	
Max Chl Dpth (ft)	0.52	Hydr. Depth (ft)		0.42	
Conv. Total (cfs)	232.1	Conv. (cfs)		232.1	
Length Wtd. (ft)	36.00	Wetted Per. (ft)		26.41	
Min Ch El (ft)	7082.52	Shear (lb/sq ft)		0.38	
Alpha	1.00	Stream Power (lb/ft s)		0.96	
Frctn Loss (ft)	0.54	Cum Volume (acre-ft)		1.09	
C & E Loss (ft)	0.00	Cum SA (acres)		3.11	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3772.00* Profile: Q010

E.G. Elev (ft)	7082.59	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.040	
W.S. Elev (ft)	7082.49	Reach Len. (ft)	35.00	36.00	36.60
Crit W.S. (ft)		Flow Area (sq ft)		10.87	
E.G. Slope (ft/ft)	0.015730	Area (sq ft)		10.87	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	26.37	Top Width (ft)		26.37	
Vel Total (ft/s)	2.58	Avg. Vel. (ft/s)		2.58	
Max Chl Dpth (ft)	0.51	Hydr. Depth (ft)		0.41	
Conv. Total (cfs)	223.3	Conv. (cfs)		223.3	
Length Wtd. (ft)	36.00	Wetted Per. (ft)		26.44	
Min Ch El (ft)	7081.98	Shear (lb/sq ft)		0.40	
Alpha	1.00	Stream Power (lb/ft s)		1.04	
Frctn Loss (ft)	0.54	Cum Volume (acre-ft)		1.08	
C & E Loss (ft)	0.00	Cum SA (acres)		3.09	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3736.00* Profile: Q010

E.G. Elev (ft)	7082.05	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.040	
W.S. Elev (ft)	7081.96	Reach Len. (ft)	35.00	36.00	36.60
Crit W.S. (ft)		Flow Area (sq ft)		11.20	
E.G. Slope (ft/ft)	0.014431	Area (sq ft)		11.20	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	26.62	Top Width (ft)		26.62	
Vel Total (ft/s)	2.50	Avg. Vel. (ft/s)		2.50	
Max Chl Dpth (ft)	0.51	Hydr. Depth (ft)		0.42	
Conv. Total (cfs)	233.1	Conv. (cfs)		233.1	
Length Wtd. (ft)	36.00	Wetted Per. (ft)		26.69	
Min Ch El (ft)	7081.44	Shear (lb/sq ft)		0.38	
Alpha	1.00	Stream Power (lb/ft s)		0.95	
Frctn Loss (ft)	0.57	Cum Volume (acre-ft)		1.08	
C & E Loss (ft)	0.00	Cum SA (acres)		3.07	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3700 Profile: Q010

E.G. Elev (ft)	7081.49	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.11	Wt. n-Val.		0.040	
W.S. Elev (ft)	7081.38	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		10.62	
E.G. Slope (ft/ft)	0.017152	Area (sq ft)		10.62	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	26.52	Top Width (ft)		26.52	
Vel Total (ft/s)	2.64	Avg. Vel. (ft/s)		2.64	
Max Chl Dpth (ft)	0.48	Hydr. Depth (ft)		0.40	
Conv. Total (cfs)	213.8	Conv. (cfs)		213.8	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		26.60	
Min Ch El (ft)	7080.90	Shear (lb/sq ft)		0.43	
Alpha	1.00	Stream Power (lb/ft s)		1.13	
Frctn Loss (ft)	0.42	Cum Volume (acre-ft)		1.07	
C & E Loss (ft)	0.00	Cum SA (acres)		3.04	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3675.00* Profile: Q010

E.G. Elev (ft)	7081.07	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.040	
W.S. Elev (ft)	7080.96	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		10.91	
E.G. Slope (ft/ft)	0.016524	Area (sq ft)		10.91	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	27.61	Top Width (ft)		27.61	
Vel Total (ft/s)	2.57	Avg. Vel. (ft/s)		2.57	
Max Chl Dpth (ft)	0.48	Hydr. Depth (ft)		0.40	
Conv. Total (cfs)	217.8	Conv. (cfs)		217.8	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		27.68	
Min Ch El (ft)	7080.48	Shear (lb/sq ft)		0.41	
Alpha	1.00	Stream Power (lb/ft s)		1.04	
Frctn Loss (ft)	0.42	Cum Volume (acre-ft)		1.06	
C & E Loss (ft)	0.00	Cum SA (acres)		3.03	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3650.00* Profile: Q010

E.G. Elev (ft)	7080.64	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.040	
W.S. Elev (ft)	7080.53	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		10.93	
E.G. Slope (ft/ft)	0.017208	Area (sq ft)		10.93	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	28.63	Top Width (ft)		28.63	
Vel Total (ft/s)	2.56	Avg. Vel. (ft/s)		2.56	
Max Chl Dpth (ft)	0.48	Hydr. Depth (ft)		0.38	
Conv. Total (cfs)	213.4	Conv. (cfs)		213.4	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		28.69	
Min Ch El (ft)	7080.05	Shear (lb/sq ft)		0.41	
Alpha	1.00	Stream Power (lb/ft s)		1.05	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		1.05	
C & E Loss (ft)	0.00	Cum SA (acres)		3.01	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3625.00* Profile: Q010

E.G. Elev (ft)	7080.20	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.040	
W.S. Elev (ft)	7080.10	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		11.07	
E.G. Slope (ft/ft)	0.017278	Area (sq ft)		11.07	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	29.65	Top Width (ft)		29.65	
Vel Total (ft/s)	2.53	Avg. Vel. (ft/s)		2.53	
Max Chl Dpth (ft)	0.48	Hydr. Depth (ft)		0.37	
Conv. Total (cfs)	213.0	Conv. (cfs)		213.0	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		29.70	
Min Ch El (ft)	7079.62	Shear (lb/sq ft)		0.40	
Alpha	1.00	Stream Power (lb/ft s)		1.02	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		1.05	
C & E Loss (ft)	0.00	Cum SA (acres)		3.00	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3600.00* Profile: Q010

E.G. Elev (ft)	7079.77	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.040	
W.S. Elev (ft)	7079.68	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		11.28	
E.G. Slope (ft/ft)	0.016947	Area (sq ft)		11.28	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	30.65	Top Width (ft)		30.65	
Vel Total (ft/s)	2.48	Avg. Vel. (ft/s)		2.48	
Max Chl Dpth (ft)	0.48	Hydr. Depth (ft)		0.37	
Conv. Total (cfs)	215.1	Conv. (cfs)		215.1	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		30.70	
Min Ch El (ft)	7079.20	Shear (lb/sq ft)		0.39	
Alpha	1.00	Stream Power (lb/ft s)		0.97	
Frctn Loss (ft)	0.44	Cum Volume (acre-ft)		1.04	
C & E Loss (ft)	0.00	Cum SA (acres)		2.98	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3575.00* Profile: Q010

E.G. Elev (ft)	7079.34	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.040	
W.S. Elev (ft)	7079.24	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		11.21	
E.G. Slope (ft/ft)	0.017895	Area (sq ft)		11.21	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	31.42	Top Width (ft)		31.42	
Vel Total (ft/s)	2.50	Avg. Vel. (ft/s)		2.50	
Max Chl Dpth (ft)	0.47	Hydr. Depth (ft)		0.36	
Conv. Total (cfs)	209.3	Conv. (cfs)		209.3	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		31.47	
Min Ch El (ft)	7078.77	Shear (lb/sq ft)		0.40	
Alpha	1.00	Stream Power (lb/ft s)		0.99	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		1.03	
C & E Loss (ft)	0.00	Cum SA (acres)		2.96	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3550.00* Profile: Q010

E.G. Elev (ft)	7078.91	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.09	Wt. n-Val.		0.040	
W.S. Elev (ft)	7078.82	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		11.65	
E.G. Slope (ft/ft)	0.016411	Area (sq ft)		11.65	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	32.40	Top Width (ft)		32.40	
Vel Total (ft/s)	2.40	Avg. Vel. (ft/s)		2.40	
Max Chl Dpth (ft)	0.47	Hydr. Depth (ft)		0.36	
Conv. Total (cfs)	218.6	Conv. (cfs)		218.6	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		32.45	
Min Ch El (ft)	7078.35	Shear (lb/sq ft)		0.37	
Alpha	1.00	Stream Power (lb/ft s)		0.88	
Frctn Loss (ft)	0.45	Cum Volume (acre-ft)		1.03	
C & E Loss (ft)	0.00	Cum SA (acres)		2.94	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3525.00* Profile: Q010

E.G. Elev (ft)	7078.47	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.040	
W.S. Elev (ft)	7078.37	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		11.13	
E.G. Slope (ft/ft)	0.019740	Area (sq ft)		11.13	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	33.19	Top Width (ft)		33.19	
Vel Total (ft/s)	2.52	Avg. Vel. (ft/s)		2.52	
Max Chl Dpth (ft)	0.45	Hydr. Depth (ft)		0.34	
Conv. Total (cfs)	199.3	Conv. (cfs)		199.3	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		33.24	
Min Ch El (ft)	7077.92	Shear (lb/sq ft)		0.41	
Alpha	1.00	Stream Power (lb/ft s)		1.04	
Frctn Loss (ft)	0.40	Cum Volume (acre-ft)		1.02	
C & E Loss (ft)	0.01	Cum SA (acres)		2.92	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3500 Profile: Q010

E.G. Elev (ft)	7078.06	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.		0.040	
W.S. Elev (ft)	7077.98	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		12.72	
E.G. Slope (ft/ft)	0.013361	Area (sq ft)		12.72	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	34.59	Top Width (ft)		34.59	
Vel Total (ft/s)	2.20	Avg. Vel. (ft/s)		2.20	
Max Chl Dpth (ft)	0.48	Hydr. Depth (ft)		0.37	
Conv. Total (cfs)	242.2	Conv. (cfs)		242.2	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		34.66	
Min Ch El (ft)	7077.50	Shear (lb/sq ft)		0.31	
Alpha	1.00	Stream Power (lb/ft s)		0.67	
Frctn Loss (ft)	0.26	Cum Volume (acre-ft)		1.01	
C & E Loss (ft)	0.00	Cum SA (acres)		2.90	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3480.77* Profile: Q010

E.G. Elev (ft)	7077.80	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.		0.040	
W.S. Elev (ft)	7077.72	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		12.59	
E.G. Slope (ft/ft)	0.013908	Area (sq ft)		12.59	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	34.74	Top Width (ft)		34.74	
Vel Total (ft/s)	2.22	Avg. Vel. (ft/s)		2.22	
Max Chl Dpth (ft)	0.48	Hydr. Depth (ft)		0.36	
Conv. Total (cfs)	237.4	Conv. (cfs)		237.4	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		34.80	
Min Ch El (ft)	7077.24	Shear (lb/sq ft)		0.31	
Alpha	1.00	Stream Power (lb/ft s)		0.70	
Frctn Loss (ft)	0.26	Cum Volume (acre-ft)		1.01	
C & E Loss (ft)	0.00	Cum SA (acres)		2.89	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3461.54* Profile: Q010

E.G. Elev (ft)	7077.54	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.		0.040	
W.S. Elev (ft)	7077.46	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		12.73	
E.G. Slope (ft/ft)	0.013498	Area (sq ft)		12.73	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	34.95	Top Width (ft)		34.95	
Vel Total (ft/s)	2.20	Avg. Vel. (ft/s)		2.20	
Max Chl Dpth (ft)	0.48	Hydr. Depth (ft)		0.36	
Conv. Total (cfs)	241.0	Conv. (cfs)		241.0	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		35.00	
Min Ch El (ft)	7076.98	Shear (lb/sq ft)		0.31	
Alpha	1.00	Stream Power (lb/ft s)		0.67	
Frctn Loss (ft)	0.26	Cum Volume (acre-ft)		1.00	
C & E Loss (ft)	0.00	Cum SA (acres)		2.87	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3442.31* Profile: Q010

E.G. Elev (ft)	7077.27	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.		0.040	
W.S. Elev (ft)	7077.20	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		12.68	
E.G. Slope (ft/ft)	0.013807	Area (sq ft)		12.68	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	35.20	Top Width (ft)		35.20	
Vel Total (ft/s)	2.21	Avg. Vel. (ft/s)		2.21	
Max Chl Dpth (ft)	0.48	Hydr. Depth (ft)		0.36	
Conv. Total (cfs)	238.3	Conv. (cfs)		238.3	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		35.25	
Min Ch El (ft)	7076.72	Shear (lb/sq ft)		0.31	
Alpha	1.00	Stream Power (lb/ft s)		0.68	
Frctn Loss (ft)	0.26	Cum Volume (acre-ft)		1.00	
C & E Loss (ft)	0.00	Cum SA (acres)		2.86	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3423.08* Profile: Q010

E.G. Elev (ft)	7077.01	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.07	Wt. n-Val.		0.040	
W.S. Elev (ft)	7076.93	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		12.81	
E.G. Slope (ft/ft)	0.013487	Area (sq ft)		12.81	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	35.45	Top Width (ft)		35.45	
Vel Total (ft/s)	2.19	Avg. Vel. (ft/s)		2.19	
Max Chl Dpth (ft)	0.48	Hydr. Depth (ft)		0.36	
Conv. Total (cfs)	241.1	Conv. (cfs)		241.1	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		35.49	
Min Ch El (ft)	7076.45	Shear (lb/sq ft)		0.30	
Alpha	1.00	Stream Power (lb/ft s)		0.66	
Frctn Loss (ft)	0.26	Cum Volume (acre-ft)		0.99	
C & E Loss (ft)	0.00	Cum SA (acres)		2.84	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3403.85* Profile: Q010

E.G. Elev (ft)	7076.74	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.		0.040	
W.S. Elev (ft)	7076.67	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		12.71	
E.G. Slope (ft/ft)	0.013988	Area (sq ft)		12.71	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	35.76	Top Width (ft)		35.76	
Vel Total (ft/s)	2.20	Avg. Vel. (ft/s)		2.20	
Max Chl Dpth (ft)	0.48	Hydr. Depth (ft)		0.36	
Conv. Total (cfs)	236.7	Conv. (cfs)		236.7	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		35.79	
Min Ch El (ft)	7076.19	Shear (lb/sq ft)		0.31	
Alpha	1.00	Stream Power (lb/ft s)		0.68	
Frctn Loss (ft)	0.26	Cum Volume (acre-ft)		0.99	
C & E Loss (ft)	0.00	Cum SA (acres)		2.83	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3384.62* Profile: Q010

E.G. Elev (ft)	7076.48	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.07	Wt. n-Val.		0.040	
W.S. Elev (ft)	7076.41	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		12.92	
E.G. Slope (ft/ft)	0.013496	Area (sq ft)		12.92	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	36.29	Top Width (ft)		36.29	
Vel Total (ft/s)	2.17	Avg. Vel. (ft/s)		2.17	
Max Chl Dpth (ft)	0.48	Hydr. Depth (ft)		0.36	
Conv. Total (cfs)	241.0	Conv. (cfs)		241.0	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		36.32	
Min Ch El (ft)	7075.93	Shear (lb/sq ft)		0.30	
Alpha	1.00	Stream Power (lb/ft s)		0.65	
Frctn Loss (ft)	0.26	Cum Volume (acre-ft)		0.98	
C & E Loss (ft)	0.00	Cum SA (acres)		2.81	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3365.39* Profile: Q010

E.G. Elev (ft)	7076.21	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.07	Wt. n-Val.		0.040	
W.S. Elev (ft)	7076.14	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		12.83	
E.G. Slope (ft/ft)	0.013893	Area (sq ft)		12.83	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	36.45	Top Width (ft)		36.45	
Vel Total (ft/s)	2.18	Avg. Vel. (ft/s)		2.18	
Max Chl Dpth (ft)	0.47	Hydr. Depth (ft)		0.35	
Conv. Total (cfs)	237.6	Conv. (cfs)		237.6	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		36.48	
Min Ch El (ft)	7075.67	Shear (lb/sq ft)		0.31	
Alpha	1.00	Stream Power (lb/ft s)		0.67	
Frctn Loss (ft)	0.26	Cum Volume (acre-ft)		0.98	
C & E Loss (ft)	0.00	Cum SA (acres)		2.80	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3346.15* Profile: Q010

E.G. Elev (ft)	7075.95	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.07	Wt. n-Val.		0.040	
W.S. Elev (ft)	7075.88	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		13.07	
E.G. Slope (ft/ft)	0.013463	Area (sq ft)		13.07	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	37.26	Top Width (ft)		37.26	
Vel Total (ft/s)	2.14	Avg. Vel. (ft/s)		2.14	
Max Chl Dpth (ft)	0.46	Hydr. Depth (ft)		0.35	
Conv. Total (cfs)	241.3	Conv. (cfs)		241.3	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		37.28	
Min Ch El (ft)	7075.41	Shear (lb/sq ft)		0.29	
Alpha	1.00	Stream Power (lb/ft s)		0.63	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		0.97	
C & E Loss (ft)	0.00	Cum SA (acres)		2.78	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3326.92* Profile: Q010

E.G. Elev (ft)	7075.67	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.07	Wt. n-Val.		0.040	
W.S. Elev (ft)	7075.60	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		12.89	
E.G. Slope (ft/ft)	0.014551	Area (sq ft)		12.89	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	38.17	Top Width (ft)		38.17	
Vel Total (ft/s)	2.17	Avg. Vel. (ft/s)		2.17	
Max Chl Dpth (ft)	0.45	Hydr. Depth (ft)		0.34	
Conv. Total (cfs)	232.1	Conv. (cfs)		232.1	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		38.20	
Min Ch EI (ft)	7075.15	Shear (lb/sq ft)		0.31	
Alpha	1.00	Stream Power (lb/ft s)		0.67	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		0.96	
C & E Loss (ft)	0.00	Cum SA (acres)		2.76	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3307.69* Profile: Q010

E.G. Elev (ft)	7075.40	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.07	Wt. n-Val.		0.040	
W.S. Elev (ft)	7075.33	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		13.39	
E.G. Slope (ft/ft)	0.013507	Area (sq ft)		13.39	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	39.72	Top Width (ft)		39.72	
Vel Total (ft/s)	2.09	Avg. Vel. (ft/s)		2.09	
Max Chl Dpth (ft)	0.45	Hydr. Depth (ft)		0.34	
Conv. Total (cfs)	240.9	Conv. (cfs)		240.9	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		39.75	
Min Ch EI (ft)	7074.88	Shear (lb/sq ft)		0.28	
Alpha	1.00	Stream Power (lb/ft s)		0.59	
Frctn Loss (ft)	0.29	Cum Volume (acre-ft)		0.96	
C & E Loss (ft)	0.00	Cum SA (acres)		2.75	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3288.46* Profile: Q010

E.G. Elev (ft)	7075.11	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.		0.040	
W.S. Elev (ft)	7075.03	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		12.44	
E.G. Slope (ft/ft)	0.017300	Area (sq ft)		12.44	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	39.78	Top Width (ft)		39.78	
Vel Total (ft/s)	2.25	Avg. Vel. (ft/s)		2.25	
Max Chl Dpth (ft)	0.41	Hydr. Depth (ft)		0.31	
Conv. Total (cfs)	212.9	Conv. (cfs)		212.9	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		39.81	
Min Ch EI (ft)	7074.62	Shear (lb/sq ft)		0.34	
Alpha	1.00	Stream Power (lb/ft s)		0.76	
Frctn Loss (ft)	0.20	Cum Volume (acre-ft)		0.95	
C & E Loss (ft)	0.01	Cum SA (acres)		2.73	

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3269.23* Profile: Q010

E.G. Elev (ft)	7074.90	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.040	
W.S. Elev (ft)	7074.86	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		16.68	
E.G. Slope (ft/ft)	0.006849	Area (sq ft)		16.68	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	41.29	Top Width (ft)		41.29	
Vel Total (ft/s)	1.68	Avg. Vel. (ft/s)		1.68	
Max Chl Dpth (ft)	0.50	Hydr. Depth (ft)		0.40	
Conv. Total (cfs)	338.3	Conv. (cfs)		338.3	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		41.36	
Min Ch El (ft)	7074.36	Shear (lb/sq ft)		0.17	
Alpha	1.00	Stream Power (lb/ft s)		0.29	
Frctn Loss (ft)	0.22	Cum Volume (acre-ft)		0.95	
C & E Loss (ft)	0.01	Cum SA (acres)		2.71	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3250 Profile: Q010

E.G. Elev (ft)	7074.67	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.11	Wt. n-Val.		0.040	
W.S. Elev (ft)	7074.56	Reach Len. (ft)	14.70	15.00	15.70
Crit W.S. (ft)		Flow Area (sq ft)		16.13	
E.G. Slope (ft/ft)	0.018207	Area (sq ft)		16.13	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	41.50	Top Width (ft)		41.50	
Vel Total (ft/s)	2.67	Avg. Vel. (ft/s)		2.67	
Max Chl Dpth (ft)	0.46	Hydr. Depth (ft)		0.39	
Conv. Total (cfs)	318.7	Conv. (cfs)		318.7	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		41.58	
Min Ch El (ft)	7074.10	Shear (lb/sq ft)		0.44	
Alpha	1.00	Stream Power (lb/ft s)		1.18	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)		0.94	
C & E Loss (ft)	0.00	Cum SA (acres)		2.69	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3235.00* Profile: Q010

E.G. Elev (ft)	7074.39	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.		0.040	
W.S. Elev (ft)	7074.28	Reach Len. (ft)	14.70	15.00	15.70
Crit W.S. (ft)		Flow Area (sq ft)		15.80	
E.G. Slope (ft/ft)	0.018600	Area (sq ft)		15.80	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	40.06	Top Width (ft)		40.06	
Vel Total (ft/s)	2.72	Avg. Vel. (ft/s)		2.72	
Max Chl Dpth (ft)	0.48	Hydr. Depth (ft)		0.39	
Conv. Total (cfs)	315.3	Conv. (cfs)		315.3	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		40.13	
Min Ch El (ft)	7073.80	Shear (lb/sq ft)		0.46	
Alpha	1.00	Stream Power (lb/ft s)		1.24	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)		0.93	
C & E Loss (ft)	0.00	Cum SA (acres)		2.68	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3220.00* Profile: Q010

E.G. Elev (ft)	7074.11	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.		0.040	
W.S. Elev (ft)	7073.99	Reach Len. (ft)	14.70	15.00	15.70
Crit W.S. (ft)		Flow Area (sq ft)		15.60	
E.G. Slope (ft/ft)	0.018464	Area (sq ft)		15.60	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	38.60	Top Width (ft)		38.60	
Vel Total (ft/s)	2.76	Avg. Vel. (ft/s)		2.76	
Max Chl Dpth (ft)	0.49	Hydr. Depth (ft)		0.40	
Conv. Total (cfs)	316.4	Conv. (cfs)		316.4	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		38.66	
Min Ch El (ft)	7073.50	Shear (lb/sq ft)		0.47	
Alpha	1.00	Stream Power (lb/ft s)		1.28	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)		0.93	
C & E Loss (ft)	0.00	Cum SA (acres)		2.66	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3205.00* Profile: Q010

E.G. Elev (ft)	7073.83	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.		0.040	
W.S. Elev (ft)	7073.71	Reach Len. (ft)	14.70	15.00	15.70
Crit W.S. (ft)		Flow Area (sq ft)		15.26	
E.G. Slope (ft/ft)	0.018861	Area (sq ft)		15.26	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	37.09	Top Width (ft)		37.09	
Vel Total (ft/s)	2.82	Avg. Vel. (ft/s)		2.82	
Max Chl Dpth (ft)	0.51	Hydr. Depth (ft)		0.41	
Conv. Total (cfs)	313.1	Conv. (cfs)		313.1	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		37.15	
Min Ch El (ft)	7073.20	Shear (lb/sq ft)		0.48	
Alpha	1.00	Stream Power (lb/ft s)		1.36	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)		0.92	
C & E Loss (ft)	0.00	Cum SA (acres)		2.65	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3190.00* Profile: Q010

E.G. Elev (ft)	7073.55	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.		0.040	
W.S. Elev (ft)	7073.43	Reach Len. (ft)	14.70	15.00	15.70
Crit W.S. (ft)		Flow Area (sq ft)		15.18	
E.G. Slope (ft/ft)	0.018220	Area (sq ft)		15.18	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	35.68	Top Width (ft)		35.68	
Vel Total (ft/s)	2.83	Avg. Vel. (ft/s)		2.83	
Max Chl Dpth (ft)	0.53	Hydr. Depth (ft)		0.43	
Conv. Total (cfs)	318.6	Conv. (cfs)		318.6	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		35.73	
Min Ch El (ft)	7072.90	Shear (lb/sq ft)		0.48	
Alpha	1.00	Stream Power (lb/ft s)		1.37	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)		0.92	
C & E Loss (ft)	0.00	Cum SA (acres)		2.64	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3175.00* Profile: Q010

E.G. Elev (ft)	7073.28	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.13	Wt. n-Val.		0.040	
W.S. Elev (ft)	7073.14	Reach Len. (ft)	14.70	15.00	15.70
Crit W.S. (ft)		Flow Area (sq ft)		14.77	
E.G. Slope (ft/ft)	0.018779	Area (sq ft)		14.77	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	34.09	Top Width (ft)		34.09	
Vel Total (ft/s)	2.91	Avg. Vel. (ft/s)		2.91	
Max Chl Dpth (ft)	0.54	Hydr. Depth (ft)		0.43	
Conv. Total (cfs)	313.8	Conv. (cfs)		313.8	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		34.15	
Min Ch El (ft)	7072.60	Shear (lb/sq ft)		0.51	
Alpha	1.00	Stream Power (lb/ft s)		1.48	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)		0.91	
C & E Loss (ft)	0.00	Cum SA (acres)		2.63	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3160.00* Profile: Q010

E.G. Elev (ft)	7073.00	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.14	Wt. n-Val.		0.040	
W.S. Elev (ft)	7072.86	Reach Len. (ft)	14.70	15.00	15.70
Crit W.S. (ft)		Flow Area (sq ft)		14.51	
E.G. Slope (ft/ft)	0.018515	Area (sq ft)		14.51	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	32.24	Top Width (ft)		32.24	
Vel Total (ft/s)	2.96	Avg. Vel. (ft/s)		2.96	
Max Chl Dpth (ft)	0.56	Hydr. Depth (ft)		0.45	
Conv. Total (cfs)	316.0	Conv. (cfs)		316.0	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		32.30	
Min Ch El (ft)	7072.30	Shear (lb/sq ft)		0.52	
Alpha	1.00	Stream Power (lb/ft s)		1.54	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)		0.91	
C & E Loss (ft)	0.00	Cum SA (acres)		2.61	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3145.00* Profile: Q010

E.G. Elev (ft)	7072.71	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.14	Wt. n-Val.		0.040	
W.S. Elev (ft)	7072.57	Reach Len. (ft)	14.70	15.00	15.70
Crit W.S. (ft)		Flow Area (sq ft)		14.10	
E.G. Slope (ft/ft)	0.018981	Area (sq ft)		14.10	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	30.56	Top Width (ft)		30.56	
Vel Total (ft/s)	3.05	Avg. Vel. (ft/s)		3.05	
Max Chl Dpth (ft)	0.57	Hydr. Depth (ft)		0.46	
Conv. Total (cfs)	312.1	Conv. (cfs)		312.1	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		30.63	
Min Ch El (ft)	7072.00	Shear (lb/sq ft)		0.55	
Alpha	1.00	Stream Power (lb/ft s)		1.66	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)		0.90	
C & E Loss (ft)	0.00	Cum SA (acres)		2.60	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3130.00* Profile: Q010

E.G. Elev (ft)	7072.44	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.15	Wt. n-Val.		0.040	
W.S. Elev (ft)	7072.29	Reach Len. (ft)	14.70	15.00	15.70
Crit W.S. (ft)		Flow Area (sq ft)		14.04	
E.G. Slope (ft/ft)	0.018049	Area (sq ft)		14.04	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	29.15	Top Width (ft)		29.15	
Vel Total (ft/s)	3.06	Avg. Vel. (ft/s)		3.06	
Max Chl Dpth (ft)	0.59	Hydr. Depth (ft)		0.48	
Conv. Total (cfs)	320.1	Conv. (cfs)		320.1	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		29.23	
Min Ch El (ft)	7071.70	Shear (lb/sq ft)		0.54	
Alpha	1.00	Stream Power (lb/ft s)		1.66	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)		0.90	
C & E Loss (ft)	0.00	Cum SA (acres)		2.59	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3115.00* Profile: Q010

E.G. Elev (ft)	7072.16	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.16	Wt. n-Val.		0.040	
W.S. Elev (ft)	7072.00	Reach Len. (ft)	14.70	15.00	15.70
Crit W.S. (ft)		Flow Area (sq ft)		13.43	
E.G. Slope (ft/ft)	0.019544	Area (sq ft)		13.43	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	27.67	Top Width (ft)		27.67	
Vel Total (ft/s)	3.20	Avg. Vel. (ft/s)		3.20	
Max Chl Dpth (ft)	0.60	Hydr. Depth (ft)		0.49	
Conv. Total (cfs)	307.6	Conv. (cfs)		307.6	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		27.76	
Min Ch El (ft)	7071.40	Shear (lb/sq ft)		0.59	
Alpha	1.00	Stream Power (lb/ft s)		1.89	
Frctn Loss (ft)	0.23	Cum Volume (acre-ft)		0.89	
C & E Loss (ft)	0.01	Cum SA (acres)		2.58	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3100 Profile: Q010

E.G. Elev (ft)	7071.92	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.		0.040	
W.S. Elev (ft)	7071.80	Reach Len. (ft)	18.67	14.83	9.50
Crit W.S. (ft)		Flow Area (sq ft)		15.42	
E.G. Slope (ft/ft)	0.012101	Area (sq ft)		15.42	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	27.26	Top Width (ft)		27.26	
Vel Total (ft/s)	2.79	Avg. Vel. (ft/s)		2.79	
Max Chl Dpth (ft)	0.70	Hydr. Depth (ft)		0.57	
Conv. Total (cfs)	390.9	Conv. (cfs)		390.9	
Length Wtd. (ft)	14.83	Wetted Per. (ft)		27.37	
Min Ch El (ft)	7071.10	Shear (lb/sq ft)		0.43	
Alpha	1.00	Stream Power (lb/ft s)		1.19	
Frctn Loss (ft)	0.18	Cum Volume (acre-ft)		0.89	
C & E Loss (ft)	0.00	Cum SA (acres)		2.57	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3085.17* Profile: Q010

E.G. Elev (ft)	7071.73	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.		0.040	
W.S. Elev (ft)	7071.61	Reach Len. (ft)	18.67	14.83	9.50
Crit W.S. (ft)		Flow Area (sq ft)		15.24	
E.G. Slope (ft/ft)	0.012768	Area (sq ft)		15.24	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	27.56	Top Width (ft)		27.56	
Vel Total (ft/s)	2.82	Avg. Vel. (ft/s)		2.82	
Max Chl Dpth (ft)	0.69	Hydr. Depth (ft)		0.55	
Conv. Total (cfs)	380.5	Conv. (cfs)		380.5	
Length Wtd. (ft)	14.83	Wetted Per. (ft)		27.66	
Min Ch El (ft)	7070.92	Shear (lb/sq ft)		0.44	
Alpha	1.00	Stream Power (lb/ft s)		1.24	
Frctn Loss (ft)	0.19	Cum Volume (acre-ft)		0.88	
C & E Loss (ft)	0.00	Cum SA (acres)		2.57	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3070.33* Profile: Q010

E.G. Elev (ft)	7071.55	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.		0.040	
W.S. Elev (ft)	7071.42	Reach Len. (ft)	18.67	14.83	9.50
Crit W.S. (ft)		Flow Area (sq ft)		15.39	
E.G. Slope (ft/ft)	0.012570	Area (sq ft)		15.39	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	27.90	Top Width (ft)		27.90	
Vel Total (ft/s)	2.79	Avg. Vel. (ft/s)		2.79	
Max Chl Dpth (ft)	0.69	Hydr. Depth (ft)		0.55	
Conv. Total (cfs)	383.5	Conv. (cfs)		383.5	
Length Wtd. (ft)	14.83	Wetted Per. (ft)		27.99	
Min Ch El (ft)	7070.73	Shear (lb/sq ft)		0.43	
Alpha	1.00	Stream Power (lb/ft s)		1.21	
Frctn Loss (ft)	0.19	Cum Volume (acre-ft)		0.88	
C & E Loss (ft)	0.00	Cum SA (acres)		2.56	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3055.50* Profile: Q010

E.G. Elev (ft)	7071.36	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.		0.040	
W.S. Elev (ft)	7071.23	Reach Len. (ft)	18.67	14.83	9.50
Crit W.S. (ft)		Flow Area (sq ft)		15.33	
E.G. Slope (ft/ft)	0.012902	Area (sq ft)		15.33	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	28.19	Top Width (ft)		28.19	
Vel Total (ft/s)	2.81	Avg. Vel. (ft/s)		2.81	
Max Chl Dpth (ft)	0.68	Hydr. Depth (ft)		0.54	
Conv. Total (cfs)	378.6	Conv. (cfs)		378.6	
Length Wtd. (ft)	14.83	Wetted Per. (ft)		28.28	
Min Ch El (ft)	7070.55	Shear (lb/sq ft)		0.44	
Alpha	1.00	Stream Power (lb/ft s)		1.22	
Frctn Loss (ft)	0.19	Cum Volume (acre-ft)		0.87	
C & E Loss (ft)	0.00	Cum SA (acres)		2.55	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3040.67* Profile: Q010

E.G. Elev (ft)	7071.16	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.		0.040	
W.S. Elev (ft)	7071.04	Reach Len. (ft)	18.67	14.83	9.50
Crit W.S. (ft)		Flow Area (sq ft)		15.34	
E.G. Slope (ft/ft)	0.013044	Area (sq ft)		15.34	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	28.49	Top Width (ft)		28.49	
Vel Total (ft/s)	2.80	Avg. Vel. (ft/s)		2.80	
Max Chl Dpth (ft)	0.67	Hydr. Depth (ft)		0.54	
Conv. Total (cfs)	376.5	Conv. (cfs)		376.5	
Length Wtd. (ft)	14.83	Wetted Per. (ft)		28.58	
Min Ch El (ft)	7070.37	Shear (lb/sq ft)		0.44	
Alpha	1.00	Stream Power (lb/ft s)		1.23	
Frctn Loss (ft)	0.19	Cum Volume (acre-ft)		0.87	
C & E Loss (ft)	0.00	Cum SA (acres)		2.54	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3025.83* Profile: Q010

E.G. Elev (ft)	7070.97	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.		0.040	
W.S. Elev (ft)	7070.85	Reach Len. (ft)	18.67	14.83	9.50
Crit W.S. (ft)		Flow Area (sq ft)		15.44	
E.G. Slope (ft/ft)	0.012956	Area (sq ft)		15.44	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	28.79	Top Width (ft)		28.79	
Vel Total (ft/s)	2.79	Avg. Vel. (ft/s)		2.79	
Max Chl Dpth (ft)	0.67	Hydr. Depth (ft)		0.54	
Conv. Total (cfs)	377.8	Conv. (cfs)		377.8	
Length Wtd. (ft)	14.83	Wetted Per. (ft)		28.88	
Min Ch El (ft)	7070.18	Shear (lb/sq ft)		0.43	
Alpha	1.00	Stream Power (lb/ft s)		1.20	
Frctn Loss (ft)	0.20	Cum Volume (acre-ft)		0.86	
C & E Loss (ft)	0.00	Cum SA (acres)		2.53	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3011 Profile: Q010

E.G. Elev (ft)	7070.77	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.13	Wt. n-Val.		0.040	
W.S. Elev (ft)	7070.64	Reach Len. (ft)	26.50	31.00	33.50
Crit W.S. (ft)		Flow Area (sq ft)		14.97	
E.G. Slope (ft/ft)	0.014427	Area (sq ft)		14.97	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	28.88	Top Width (ft)		28.88	
Vel Total (ft/s)	2.87	Avg. Vel. (ft/s)		2.87	
Max Chl Dpth (ft)	0.64	Hydr. Depth (ft)		0.52	
Conv. Total (cfs)	358.0	Conv. (cfs)		358.0	
Length Wtd. (ft)	31.00	Wetted Per. (ft)		28.97	
Min Ch El (ft)	7070.00	Shear (lb/sq ft)		0.47	
Alpha	1.00	Stream Power (lb/ft s)		1.34	
Frctn Loss (ft)	0.47	Cum Volume (acre-ft)		0.86	
C & E Loss (ft)	0.00	Cum SA (acres)		2.52	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2980.00* Profile: Q010

E.G. Elev (ft)	7070.29	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.13	Wt. n-Val.		0.040	
W.S. Elev (ft)	7070.16	Reach Len. (ft)	26.50	31.00	33.50
Crit W.S. (ft)		Flow Area (sq ft)		14.97	
E.G. Slope (ft/ft)	0.015940	Area (sq ft)		14.97	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	31.15	Top Width (ft)		31.15	
Vel Total (ft/s)	2.87	Avg. Vel. (ft/s)		2.87	
Max Chl Dpth (ft)	0.61	Hydr. Depth (ft)		0.48	
Conv. Total (cfs)	340.6	Conv. (cfs)		340.6	
Length Wtd. (ft)	31.00	Wetted Per. (ft)		31.22	
Min Ch El (ft)	7069.55	Shear (lb/sq ft)		0.48	
Alpha	1.00	Stream Power (lb/ft s)		1.37	
Frctn Loss (ft)	0.47	Cum Volume (acre-ft)		0.85	
C & E Loss (ft)	0.01	Cum SA (acres)		2.50	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2949.00* Profile: Q010

E.G. Elev (ft)	7069.82	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.11	Wt. n-Val.		0.040	
W.S. Elev (ft)	7069.71	Reach Len. (ft)	26.50	31.00	33.50
Crit W.S. (ft)		Flow Area (sq ft)		16.36	
E.G. Slope (ft/ft)	0.014492	Area (sq ft)		16.36	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	36.24	Top Width (ft)		36.24	
Vel Total (ft/s)	2.63	Avg. Vel. (ft/s)		2.63	
Max Chl Dpth (ft)	0.61	Hydr. Depth (ft)		0.45	
Conv. Total (cfs)	357.2	Conv. (cfs)		357.2	
Length Wtd. (ft)	31.00	Wetted Per. (ft)		36.31	
Min Ch El (ft)	7069.10	Shear (lb/sq ft)		0.41	
Alpha	1.00	Stream Power (lb/ft s)		1.07	
Frctn Loss (ft)	0.54	Cum Volume (acre-ft)		0.83	
C & E Loss (ft)	0.00	Cum SA (acres)		2.47	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2918.00* Profile: Q010

E.G. Elev (ft)	7069.28	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.		0.040	
W.S. Elev (ft)	7069.16	Reach Len. (ft)	26.50	31.00	33.50
Crit W.S. (ft)	7069.10	Flow Area (sq ft)		15.59	
E.G. Slope (ft/ft)	0.021455	Area (sq ft)		15.59	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	43.11	Top Width (ft)		43.11	
Vel Total (ft/s)	2.76	Avg. Vel. (ft/s)		2.76	
Max Chl Dpth (ft)	0.51	Hydr. Depth (ft)		0.36	
Conv. Total (cfs)	293.6	Conv. (cfs)		293.6	
Length Wtd. (ft)	31.00	Wetted Per. (ft)		43.18	
Min Ch El (ft)	7068.65	Shear (lb/sq ft)		0.48	
Alpha	1.00	Stream Power (lb/ft s)		1.33	
Frctn Loss (ft)	0.53	Cum Volume (acre-ft)		0.82	
C & E Loss (ft)	0.01	Cum SA (acres)		2.44	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2887 Profile: Q010

E.G. Elev (ft)	7068.73	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.		0.040	
W.S. Elev (ft)	7068.65	Reach Len. (ft)	31.40	29.40	30.40
Crit W.S. (ft)		Flow Area (sq ft)		18.40	
E.G. Slope (ft/ft)	0.014089	Area (sq ft)		18.40	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	47.59	Top Width (ft)		47.59	
Vel Total (ft/s)	2.34	Avg. Vel. (ft/s)		2.34	
Max Chl Dpth (ft)	0.45	Hydr. Depth (ft)		0.39	
Conv. Total (cfs)	362.3	Conv. (cfs)		362.3	
Length Wtd. (ft)	29.40	Wetted Per. (ft)		47.71	
Min Ch El (ft)	7068.20	Shear (lb/sq ft)		0.34	
Alpha	1.00	Stream Power (lb/ft s)		0.79	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		0.81	
C & E Loss (ft)	0.00	Cum SA (acres)		2.41	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2857.60* Profile: Q010

E.G. Elev (ft)	7068.30	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.07	Wt. n-Val.		0.040	
W.S. Elev (ft)	7068.23	Reach Len. (ft)	31.40	29.40	30.40
Crit W.S. (ft)		Flow Area (sq ft)		20.18	
E.G. Slope (ft/ft)	0.015218	Area (sq ft)		20.18	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	63.61	Top Width (ft)		63.61	
Vel Total (ft/s)	2.13	Avg. Vel. (ft/s)		2.13	
Max Chl Dpth (ft)	0.47	Hydr. Depth (ft)		0.32	
Conv. Total (cfs)	348.6	Conv. (cfs)		348.6	
Length Wtd. (ft)	29.40	Wetted Per. (ft)		63.64	
Min Ch El (ft)	7067.76	Shear (lb/sq ft)		0.30	
Alpha	1.00	Stream Power (lb/ft s)		0.64	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		0.80	
C & E Loss (ft)	0.00	Cum SA (acres)		2.37	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2828.20* Profile: Q010

E.G. Elev (ft)	7067.87	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.06	Wt. n-Val.		0.040	
W.S. Elev (ft)	7067.81	Reach Len. (ft)	31.40	29.40	30.40
Crit W.S. (ft)		Flow Area (sq ft)		22.08	
E.G. Slope (ft/ft)	0.014091	Area (sq ft)		22.08	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	75.26	Top Width (ft)		75.26	
Vel Total (ft/s)	1.95	Avg. Vel. (ft/s)		1.95	
Max Chl Dpth (ft)	0.49	Hydr. Depth (ft)		0.29	
Conv. Total (cfs)	362.2	Conv. (cfs)		362.2	
Length Wtd. (ft)	29.40	Wetted Per. (ft)		75.27	
Min Ch El (ft)	7067.32	Shear (lb/sq ft)		0.26	
Alpha	1.00	Stream Power (lb/ft s)		0.50	
Frctn Loss (ft)	0.44	Cum Volume (acre-ft)		0.78	
C & E Loss (ft)	0.00	Cum SA (acres)		2.33	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2798.80* Profile: Q010

E.G. Elev (ft)	7067.42	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.040	
W.S. Elev (ft)	7067.37	Reach Len. (ft)	31.40	29.40	30.40
Crit W.S. (ft)		Flow Area (sq ft)		23.22	
E.G. Slope (ft/ft)	0.015892	Area (sq ft)		23.22	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	93.39	Top Width (ft)		93.39	
Vel Total (ft/s)	1.85	Avg. Vel. (ft/s)		1.85	
Max Chl Dpth (ft)	0.49	Hydr. Depth (ft)		0.25	
Conv. Total (cfs)	341.1	Conv. (cfs)		341.1	
Length Wtd. (ft)	29.40	Wetted Per. (ft)		93.41	
Min Ch El (ft)	7066.88	Shear (lb/sq ft)		0.25	
Alpha	1.00	Stream Power (lb/ft s)		0.46	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		0.77	
C & E Loss (ft)	0.00	Cum SA (acres)		2.27	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2769.40* Profile: Q010

E.G. Elev (ft)	7066.99	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.040	
W.S. Elev (ft)	7066.95	Reach Len. (ft)	31.40	29.40	30.40
Crit W.S. (ft)		Flow Area (sq ft)		26.88	
E.G. Slope (ft/ft)	0.013625	Area (sq ft)		26.88	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	119.94	Top Width (ft)		119.94	
Vel Total (ft/s)	1.60	Avg. Vel. (ft/s)		1.60	
Max Chl Dpth (ft)	0.51	Hydr. Depth (ft)		0.22	
Conv. Total (cfs)	368.4	Conv. (cfs)		368.4	
Length Wtd. (ft)	29.40	Wetted Per. (ft)		119.96	
Min Ch El (ft)	7066.44	Shear (lb/sq ft)		0.19	
Alpha	1.00	Stream Power (lb/ft s)		0.30	
Frctn Loss (ft)	0.49	Cum Volume (acre-ft)		0.75	
C & E Loss (ft)	0.00	Cum SA (acres)		2.20	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2740 Profile: Q010

E.G. Elev (ft)	7066.51	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.06	Wt. n-Val.		0.040	
W.S. Elev (ft)	7066.44	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		21.64	
E.G. Slope (ft/ft)	0.021149	Area (sq ft)		21.64	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	97.03	Top Width (ft)		97.03	
Vel Total (ft/s)	1.99	Avg. Vel. (ft/s)		1.99	
Max Chl Dpth (ft)	0.44	Hydr. Depth (ft)		0.22	
Conv. Total (cfs)	295.7	Conv. (cfs)		295.7	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		97.06	
Min Ch El (ft)	7066.00	Shear (lb/sq ft)		0.29	
Alpha	1.00	Stream Power (lb/ft s)		0.58	
Frctn Loss (ft)	0.42	Cum Volume (acre-ft)		0.74	
C & E Loss (ft)	0.00	Cum SA (acres)		2.12	

Errors Warnings and Notes

Warning:	Divided flow computed for this cross-section.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2720.00* Profile: Q010

E.G. Elev (ft)	7066.09	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.06	Wt. n-Val.		0.040	
W.S. Elev (ft)	7066.04	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		22.03	
E.G. Slope (ft/ft)	0.020419	Area (sq ft)		22.03	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	98.77	Top Width (ft)		98.77	
Vel Total (ft/s)	1.95	Avg. Vel. (ft/s)		1.95	
Max Chl Dpth (ft)	0.47	Hydr. Depth (ft)		0.22	
Conv. Total (cfs)	300.9	Conv. (cfs)		300.9	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		98.80	
Min Ch El (ft)	7065.57	Shear (lb/sq ft)		0.28	
Alpha	1.00	Stream Power (lb/ft s)		0.55	
Frctn Loss (ft)	0.42	Cum Volume (acre-ft)		0.73	
C & E Loss (ft)	0.00	Cum SA (acres)		2.08	

Errors Warnings and Notes

Warning:	Divided flow computed for this cross-section.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2700.00* Profile: Q010

E.G. Elev (ft)	7065.68	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.06	Wt. n-Val.		0.040	
W.S. Elev (ft)	7065.63	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		22.53	
E.G. Slope (ft/ft)	0.021180	Area (sq ft)		22.53	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	107.45	Top Width (ft)		107.45	
Vel Total (ft/s)	1.91	Avg. Vel. (ft/s)		1.91	
Max Chl Dpth (ft)	0.50	Hydr. Depth (ft)		0.21	
Conv. Total (cfs)	295.5	Conv. (cfs)		295.5	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		107.47	
Min Ch El (ft)	7065.13	Shear (lb/sq ft)		0.28	
Alpha	1.00	Stream Power (lb/ft s)		0.53	
Frctn Loss (ft)	0.42	Cum Volume (acre-ft)		0.72	
C & E Loss (ft)	0.00	Cum SA (acres)		2.03	

Errors Warnings and Notes

Warning:	Divided flow computed for this cross-section.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2680.00* Profile: Q010

E.G. Elev (ft)	7065.27	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.040	
W.S. Elev (ft)	7065.22	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		23.28	
E.G. Slope (ft/ft)	0.020764	Area (sq ft)		23.28	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	114.88	Top Width (ft)		114.88	
Vel Total (ft/s)	1.85	Avg. Vel. (ft/s)		1.85	
Max Chl Dpth (ft)	0.51	Hydr. Depth (ft)		0.20	
Conv. Total (cfs)	298.4	Conv. (cfs)		298.4	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		114.91	
Min Ch El (ft)	7064.70	Shear (lb/sq ft)		0.26	
Alpha	1.00	Stream Power (lb/ft s)		0.49	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2680.00* Profile: Q010 (Continued)

Frctn Loss (ft)	0.42	Cum Volume (acre-ft)		0.70	
C & E Loss (ft)	0.00	Cum SA (acres)		1.98	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2660.00* Profile: Q010

E.G. Elev (ft)	7064.84	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.06	Wt. n-Val.		0.040	
W.S. Elev (ft)	7064.78	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		22.14	
E.G. Slope (ft/ft)	0.021491	Area (sq ft)		22.14	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	103.96	Top Width (ft)		103.96	
Vel Total (ft/s)	1.94	Avg. Vel. (ft/s)		1.94	
Max Chl Dpth (ft)	0.51	Hydr. Depth (ft)		0.21	
Conv. Total (cfs)	293.3	Conv. (cfs)		293.3	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		103.98	
Min Ch El (ft)	7064.27	Shear (lb/sq ft)		0.29	
Alpha	1.00	Stream Power (lb/ft s)		0.55	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		0.69	
C & E Loss (ft)	0.00	Cum SA (acres)		1.93	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2640.00* Profile: Q010

E.G. Elev (ft)	7064.42	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.06	Wt. n-Val.		0.040	
W.S. Elev (ft)	7064.36	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		21.25	
E.G. Slope (ft/ft)	0.021279	Area (sq ft)		21.25	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	93.08	Top Width (ft)		93.08	
Vel Total (ft/s)	2.02	Avg. Vel. (ft/s)		2.02	
Max Chl Dpth (ft)	0.53	Hydr. Depth (ft)		0.23	
Conv. Total (cfs)	294.8	Conv. (cfs)		294.8	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		93.10	
Min Ch El (ft)	7063.83	Shear (lb/sq ft)		0.30	
Alpha	1.00	Stream Power (lb/ft s)		0.61	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		0.68	
C & E Loss (ft)	0.00	Cum SA (acres)		1.89	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2620.00* Profile: Q010

E.G. Elev (ft)	7064.00	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.07	Wt. n-Val.		0.040	
W.S. Elev (ft)	7063.93	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		20.21	
E.G. Slope (ft/ft)	0.021449	Area (sq ft)		20.21	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	82.61	Top Width (ft)		82.61	
Vel Total (ft/s)	2.13	Avg. Vel. (ft/s)		2.13	
Max Chl Dpth (ft)	0.53	Hydr. Depth (ft)		0.24	
Conv. Total (cfs)	293.6	Conv. (cfs)		293.6	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		82.63	
Min Ch El (ft)	7063.40	Shear (lb/sq ft)		0.33	
Alpha	1.00	Stream Power (lb/ft s)		0.70	
Frctn Loss (ft)	0.42	Cum Volume (acre-ft)		0.67	
C & E Loss (ft)	0.00	Cum SA (acres)		1.85	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2600.00* Profile: Q010

E.G. Elev (ft)	7063.59	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.07	Wt. n-Val.		0.040	
W.S. Elev (ft)	7063.51	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		19.65	
E.G. Slope (ft/ft)	0.020100	Area (sq ft)		19.65	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	73.37	Top Width (ft)		73.37	
Vel Total (ft/s)	2.19	Avg. Vel. (ft/s)		2.19	
Max Chl Dpth (ft)	0.54	Hydr. Depth (ft)		0.27	
Conv. Total (cfs)	303.3	Conv. (cfs)		303.3	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		73.40	
Min Ch EI (ft)	7062.97	Shear (lb/sq ft)		0.34	
Alpha	1.00	Stream Power (lb/ft s)		0.74	
Frctn Loss (ft)	0.42	Cum Volume (acre-ft)		0.67	
C & E Loss (ft)	0.00	Cum SA (acres)		1.81	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2580.00* Profile: Q010

E.G. Elev (ft)	7063.17	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.09	Wt. n-Val.		0.040	
W.S. Elev (ft)	7063.08	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		18.20	
E.G. Slope (ft/ft)	0.021661	Area (sq ft)		18.20	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	64.07	Top Width (ft)		64.07	
Vel Total (ft/s)	2.36	Avg. Vel. (ft/s)		2.36	
Max Chl Dpth (ft)	0.55	Hydr. Depth (ft)		0.28	
Conv. Total (cfs)	292.2	Conv. (cfs)		292.2	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		64.10	
Min Ch EI (ft)	7062.53	Shear (lb/sq ft)		0.38	
Alpha	1.00	Stream Power (lb/ft s)		0.91	
Frctn Loss (ft)	0.41	Cum Volume (acre-ft)		0.66	
C & E Loss (ft)	0.00	Cum SA (acres)		1.78	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2560.00* Profile: Q010

E.G. Elev (ft)	7062.77	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.09	Wt. n-Val.		0.040	
W.S. Elev (ft)	7062.68	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		17.93	
E.G. Slope (ft/ft)	0.018975	Area (sq ft)		17.93	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	55.86	Top Width (ft)		55.86	
Vel Total (ft/s)	2.40	Avg. Vel. (ft/s)		2.40	
Max Chl Dpth (ft)	0.58	Hydr. Depth (ft)		0.32	
Conv. Total (cfs)	312.2	Conv. (cfs)		312.2	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		55.89	
Min Ch EI (ft)	7062.10	Shear (lb/sq ft)		0.38	
Alpha	1.00	Stream Power (lb/ft s)		0.91	
Frctn Loss (ft)	0.39	Cum Volume (acre-ft)		0.65	
C & E Loss (ft)	0.00	Cum SA (acres)		1.75	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2540.00* Profile: Q010

E.G. Elev (ft)	7062.38	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.040	
W.S. Elev (ft)	7062.28	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		17.17	
E.G. Slope (ft/ft)	0.020505	Area (sq ft)		17.17	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	53.13	Top Width (ft)		53.13	
Vel Total (ft/s)	2.50	Avg. Vel. (ft/s)		2.50	
Max Chl Dpth (ft)	0.61	Hydr. Depth (ft)		0.32	
Conv. Total (cfs)	300.3	Conv. (cfs)		300.3	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		53.17	
Min Ch El (ft)	7061.67	Shear (lb/sq ft)		0.41	
Alpha	1.00	Stream Power (lb/ft s)		1.04	
Frctn Loss (ft)	0.38	Cum Volume (acre-ft)		0.64	
C & E Loss (ft)	0.00	Cum SA (acres)		1.73	

Errors Warnings and Notes

Warning: Divided flow computed for this cross-section.

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2520.00* Profile: Q010

E.G. Elev (ft)	7061.99	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.		0.040	
W.S. Elev (ft)	7061.91	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		18.43	
E.G. Slope (ft/ft)	0.017599	Area (sq ft)		18.43	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	56.55	Top Width (ft)		56.55	
Vel Total (ft/s)	2.33	Avg. Vel. (ft/s)		2.33	
Max Chl Dpth (ft)	0.68	Hydr. Depth (ft)		0.33	
Conv. Total (cfs)	324.1	Conv. (cfs)		324.1	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		56.61	
Min Ch El (ft)	7061.23	Shear (lb/sq ft)		0.36	
Alpha	1.00	Stream Power (lb/ft s)		0.83	
Frctn Loss (ft)	0.39	Cum Volume (acre-ft)		0.63	
C & E Loss (ft)	0.00	Cum SA (acres)		1.70	

Errors Warnings and Notes

Warning: Divided flow computed for this cross-section.

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2500 Profile: Q010

E.G. Elev (ft)	7061.59	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.11	Wt. n-Val.		0.040	
W.S. Elev (ft)	7061.48	Reach Len. (ft)	28.66	29.02	29.34
Crit W.S. (ft)	7061.42	Flow Area (sq ft)		16.44	
E.G. Slope (ft/ft)	0.021868	Area (sq ft)		16.44	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	49.95	Top Width (ft)		49.95	
Vel Total (ft/s)	2.62	Avg. Vel. (ft/s)		2.62	
Max Chl Dpth (ft)	0.68	Hydr. Depth (ft)		0.33	
Conv. Total (cfs)	290.8	Conv. (cfs)		290.8	
Length Wtd. (ft)	29.02	Wetted Per. (ft)		50.02	
Min Ch El (ft)	7060.80	Shear (lb/sq ft)		0.45	
Alpha	1.00	Stream Power (lb/ft s)		1.17	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2500 Profile: Q010 (Continued)

Frctn Loss (ft)	0.62	Cum Volume (acre-ft)		0.62	
C & E Loss (ft)	0.00	Cum SA (acres)		1.68	

Errors Warnings and Notes

Warning:	Divided flow computed for this cross-section.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2471.00* Profile: Q010

E.G. Elev (ft)	7060.97	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.040	
W.S. Elev (ft)	7060.88	Reach Len. (ft)	28.66	29.02	29.34
Crit W.S. (ft)		Flow Area (sq ft)		17.19	
E.G. Slope (ft/ft)	0.020686	Area (sq ft)		17.19	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	53.59	Top Width (ft)		53.59	
Vel Total (ft/s)	2.50	Avg. Vel. (ft/s)		2.50	
Max Chl Dpth (ft)	0.73	Hydr. Depth (ft)		0.32	
Conv. Total (cfs)	299.0	Conv. (cfs)		299.0	
Length Wtd. (ft)	29.02	Wetted Per. (ft)		53.65	
Min Ch El (ft)	7060.15	Shear (lb/sq ft)		0.41	
Alpha	1.00	Stream Power (lb/ft s)		1.04	
Frctn Loss (ft)	0.63	Cum Volume (acre-ft)		0.61	
C & E Loss (ft)	0.00	Cum SA (acres)		1.64	

Errors Warnings and Notes

Warning:	Divided flow computed for this cross-section.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2442.00* Profile: Q010

E.G. Elev (ft)	7060.35	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.040	
W.S. Elev (ft)	7060.25	Reach Len. (ft)	28.66	29.02	29.34
Crit W.S. (ft)	7060.19	Flow Area (sq ft)		16.75	
E.G. Slope (ft/ft)	0.022729	Area (sq ft)		16.75	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	53.92	Top Width (ft)		53.92	
Vel Total (ft/s)	2.57	Avg. Vel. (ft/s)		2.57	
Max Chl Dpth (ft)	0.75	Hydr. Depth (ft)		0.31	
Conv. Total (cfs)	285.2	Conv. (cfs)		285.2	
Length Wtd. (ft)	29.02	Wetted Per. (ft)		53.99	
Min Ch El (ft)	7059.50	Shear (lb/sq ft)		0.44	
Alpha	1.00	Stream Power (lb/ft s)		1.13	
Frctn Loss (ft)	0.62	Cum Volume (acre-ft)		0.60	
C & E Loss (ft)	0.00	Cum SA (acres)		1.61	

Errors Warnings and Notes

Warning:	Divided flow computed for this cross-section.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2413.00* Profile: Q010

E.G. Elev (ft)	7059.73	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.040	
W.S. Elev (ft)	7059.63	Reach Len. (ft)	28.66	29.02	29.34
Crit W.S. (ft)		Flow Area (sq ft)		17.08	
E.G. Slope (ft/ft)	0.020089	Area (sq ft)		17.08	
Q Total (cfs)	43.00	Flow (cfs)		43.00	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2413.00* Profile: Q010 (Continued)

Top Width (ft)	51.54	Top Width (ft)		51.54	
Vel Total (ft/s)	2.52	Avg. Vel. (ft/s)		2.52	
Max Chl Dpth (ft)	0.78	Hydr. Depth (ft)		0.33	
Conv. Total (cfs)	303.4	Conv. (cfs)		303.4	
Length Wtd. (ft)	29.02	Wetted Per. (ft)		51.63	
Min Ch El (ft)	7058.85	Shear (lb/sq ft)		0.41	
Alpha	1.00	Stream Power (lb/ft s)		1.04	
Frctn Loss (ft)	0.64	Cum Volume (acre-ft)		0.59	
C & E Loss (ft)	0.00	Cum SA (acres)		1.57	

Errors Warnings and Notes

Warning:	Divided flow computed for this cross-section.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2384.00* Profile: Q010

E.G. Elev (ft)	7059.09	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.13	Wt. n-Val.		0.040	
W.S. Elev (ft)	7058.96	Reach Len. (ft)	28.66	29.02	29.34
Crit W.S. (ft)	7058.91	Flow Area (sq ft)		15.04	
E.G. Slope (ft/ft)	0.024147	Area (sq ft)		15.04	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	43.01	Top Width (ft)		43.01	
Vel Total (ft/s)	2.86	Avg. Vel. (ft/s)		2.86	
Max Chl Dpth (ft)	0.76	Hydr. Depth (ft)		0.35	
Conv. Total (cfs)	276.7	Conv. (cfs)		276.7	
Length Wtd. (ft)	29.02	Wetted Per. (ft)		43.12	
Min Ch El (ft)	7058.20	Shear (lb/sq ft)		0.53	
Alpha	1.00	Stream Power (lb/ft s)		1.50	
Frctn Loss (ft)	0.63	Cum Volume (acre-ft)		0.58	
C & E Loss (ft)	0.00	Cum SA (acres)		1.54	

Errors Warnings and Notes

Warning:	Divided flow computed for this cross-section.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2355.00* Profile: Q010

E.G. Elev (ft)	7058.46	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.11	Wt. n-Val.		0.040	
W.S. Elev (ft)	7058.34	Reach Len. (ft)	28.66	29.02	29.34
Crit W.S. (ft)		Flow Area (sq ft)		15.97	
E.G. Slope (ft/ft)	0.019716	Area (sq ft)		15.97	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	42.91	Top Width (ft)		42.91	
Vel Total (ft/s)	2.69	Avg. Vel. (ft/s)		2.69	
Max Chl Dpth (ft)	0.79	Hydr. Depth (ft)		0.37	
Conv. Total (cfs)	306.2	Conv. (cfs)		306.2	
Length Wtd. (ft)	29.02	Wetted Per. (ft)		43.06	
Min Ch El (ft)	7057.55	Shear (lb/sq ft)		0.46	
Alpha	1.00	Stream Power (lb/ft s)		1.23	
Frctn Loss (ft)	0.66	Cum Volume (acre-ft)		0.57	
C & E Loss (ft)	0.00	Cum SA (acres)		1.51	

Errors Warnings and Notes

Warning:	Divided flow computed for this cross-section.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2326 Profile: Q010

E.G. Elev (ft)	7057.80	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.14	Wt. n-Val.		0.040	
W.S. Elev (ft)	7057.66	Reach Len. (ft)	21.60	27.80	28.00
Crit W.S. (ft)	7057.62	Flow Area (sq ft)		14.13	
E.G. Slope (ft/ft)	0.026183	Area (sq ft)		14.13	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	39.02	Top Width (ft)		39.02	
Vel Total (ft/s)	3.04	Avg. Vel. (ft/s)		3.04	
Max Chl Dpth (ft)	0.76	Hydr. Depth (ft)		0.36	
Conv. Total (cfs)	265.7	Conv. (cfs)		265.7	
Length Wtd. (ft)	27.80	Wetted Per. (ft)		39.22	
Min Ch El (ft)	7056.90	Shear (lb/sq ft)		0.59	
Alpha	1.00	Stream Power (lb/ft s)		1.79	
Frctn Loss (ft)	0.60	Cum Volume (acre-ft)		0.56	
C & E Loss (ft)	0.01	Cum SA (acres)		1.48	

Errors Warnings and Notes

Warning:	Divided flow computed for this cross-section.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2298.20* Profile: Q010

E.G. Elev (ft)	7057.19	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.040	
W.S. Elev (ft)	7057.09	Reach Len. (ft)	21.60	27.80	28.00
Crit W.S. (ft)		Flow Area (sq ft)		16.74	
E.G. Slope (ft/ft)	0.018164	Area (sq ft)		16.74	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	45.44	Top Width (ft)		45.44	
Vel Total (ft/s)	2.57	Avg. Vel. (ft/s)		2.57	
Max Chl Dpth (ft)	0.77	Hydr. Depth (ft)		0.37	
Conv. Total (cfs)	319.1	Conv. (cfs)		319.1	
Length Wtd. (ft)	27.80	Wetted Per. (ft)		45.58	
Min Ch El (ft)	7056.32	Shear (lb/sq ft)		0.42	
Alpha	1.00	Stream Power (lb/ft s)		1.07	
Frctn Loss (ft)	0.64	Cum Volume (acre-ft)		0.55	
C & E Loss (ft)	0.00	Cum SA (acres)		1.46	

Errors Warnings and Notes

Warning:	Divided flow computed for this cross-section.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2270.40* Profile: Q010

E.G. Elev (ft)	7056.54	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.14	Wt. n-Val.		0.040	
W.S. Elev (ft)	7056.41	Reach Len. (ft)	21.60	27.80	28.00
Crit W.S. (ft)	7056.38	Flow Area (sq ft)		14.46	
E.G. Slope (ft/ft)	0.029920	Area (sq ft)		14.46	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	45.88	Top Width (ft)		45.88	
Vel Total (ft/s)	2.97	Avg. Vel. (ft/s)		2.97	
Max Chl Dpth (ft)	0.66	Hydr. Depth (ft)		0.32	
Conv. Total (cfs)	248.6	Conv. (cfs)		248.6	
Length Wtd. (ft)	27.80	Wetted Per. (ft)		45.97	
Min Ch El (ft)	7055.74	Shear (lb/sq ft)		0.59	
Alpha	1.00	Stream Power (lb/ft s)		1.75	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2270.40* Profile: Q010 (Continued)

Frctn Loss (ft)	0.62	Cum Volume (acre-ft)		0.54	
C & E Loss (ft)	0.02	Cum SA (acres)		1.43	

Errors Warnings and Notes

Warning:	Divided flow computed for this cross-section.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2242.60* Profile: Q010

E.G. Elev (ft)	7055.91	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.		0.040	
W.S. Elev (ft)	7055.83	Reach Len. (ft)	21.60	27.80	28.00
Crit W.S. (ft)	7055.76	Flow Area (sq ft)		18.92	
E.G. Slope (ft/ft)	0.017407	Area (sq ft)		18.92	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	59.85	Top Width (ft)		59.85	
Vel Total (ft/s)	2.27	Avg. Vel. (ft/s)		2.27	
Max Chl Dpth (ft)	0.67	Hydr. Depth (ft)		0.32	
Conv. Total (cfs)	325.9	Conv. (cfs)		325.9	
Length Wtd. (ft)	27.80	Wetted Per. (ft)		59.92	
Min Ch El (ft)	7055.16	Shear (lb/sq ft)		0.34	
Alpha	1.00	Stream Power (lb/ft s)		0.78	
Frctn Loss (ft)	0.66	Cum Volume (acre-ft)		0.53	
C & E Loss (ft)	0.00	Cum SA (acres)		1.39	

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2214.80* Profile: Q010

E.G. Elev (ft)	7055.24	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.13	Wt. n-Val.		0.040	
W.S. Elev (ft)	7055.11	Reach Len. (ft)	21.60	27.80	28.00
Crit W.S. (ft)	7055.11	Flow Area (sq ft)		14.85	
E.G. Slope (ft/ft)	0.034488	Area (sq ft)		14.85	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	54.60	Top Width (ft)		54.60	
Vel Total (ft/s)	2.90	Avg. Vel. (ft/s)		2.90	
Max Chl Dpth (ft)	0.53	Hydr. Depth (ft)		0.27	
Conv. Total (cfs)	231.5	Conv. (cfs)		231.5	
Length Wtd. (ft)	27.80	Wetted Per. (ft)		54.63	
Min Ch El (ft)	7054.58	Shear (lb/sq ft)		0.59	
Alpha	1.00	Stream Power (lb/ft s)		1.69	
Frctn Loss (ft)	0.55	Cum Volume (acre-ft)		0.52	
C & E Loss (ft)	0.02	Cum SA (acres)		1.36	

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Warning:	During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2187 Profile: Q010

E.G. Elev (ft)	7054.63	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.07	Wt. n-Val.		0.040	
W.S. Elev (ft)	7054.57	Reach Len. (ft)	30.40	28.40	26.60
Crit W.S. (ft)	7054.46	Flow Area (sq ft)		20.52	
E.G. Slope (ft/ft)	0.012962	Area (sq ft)		20.52	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	58.77	Top Width (ft)		58.77	
Vel Total (ft/s)	2.10	Avg. Vel. (ft/s)		2.10	
Max Chl Dpth (ft)	0.57	Hydr. Depth (ft)		0.35	
Conv. Total (cfs)	377.7	Conv. (cfs)		377.7	
Length Wtd. (ft)	28.40	Wetted Per. (ft)		58.80	
Min Ch El (ft)	7054.00	Shear (lb/sq ft)		0.28	
Alpha	1.00	Stream Power (lb/ft s)		0.59	
Frctn Loss (ft)	0.38	Cum Volume (acre-ft)		0.51	
C & E Loss (ft)	0.00	Cum SA (acres)		1.32	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2158.60* Profile: Q010

E.G. Elev (ft)	7054.26	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.		0.040	
W.S. Elev (ft)	7054.18	Reach Len. (ft)	30.40	28.40	26.60
Crit W.S. (ft)		Flow Area (sq ft)		19.54	
E.G. Slope (ft/ft)	0.013599	Area (sq ft)		19.54	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	53.92	Top Width (ft)		53.92	
Vel Total (ft/s)	2.20	Avg. Vel. (ft/s)		2.20	
Max Chl Dpth (ft)	0.58	Hydr. Depth (ft)		0.36	
Conv. Total (cfs)	368.7	Conv. (cfs)		368.7	
Length Wtd. (ft)	28.40	Wetted Per. (ft)		53.94	
Min Ch El (ft)	7053.60	Shear (lb/sq ft)		0.31	
Alpha	1.00	Stream Power (lb/ft s)		0.68	
Frctn Loss (ft)	0.38	Cum Volume (acre-ft)		0.49	
C & E Loss (ft)	0.00	Cum SA (acres)		1.28	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2130.20* Profile: Q010

E.G. Elev (ft)	7053.88	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.		0.040	
W.S. Elev (ft)	7053.80	Reach Len. (ft)	30.40	28.40	26.60
Crit W.S. (ft)		Flow Area (sq ft)		19.48	
E.G. Slope (ft/ft)	0.013281	Area (sq ft)		19.48	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	52.63	Top Width (ft)		52.63	
Vel Total (ft/s)	2.21	Avg. Vel. (ft/s)		2.21	
Max Chl Dpth (ft)	0.60	Hydr. Depth (ft)		0.37	
Conv. Total (cfs)	373.1	Conv. (cfs)		373.1	
Length Wtd. (ft)	28.40	Wetted Per. (ft)		52.65	
Min Ch El (ft)	7053.20	Shear (lb/sq ft)		0.31	
Alpha	1.00	Stream Power (lb/ft s)		0.68	
Frctn Loss (ft)	0.39	Cum Volume (acre-ft)		0.48	
C & E Loss (ft)	0.00	Cum SA (acres)		1.25	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2101.80* Profile: Q010

E.G. Elev (ft)	7053.48	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.		0.040	
W.S. Elev (ft)	7053.41	Reach Len. (ft)	30.40	28.40	26.60
Crit W.S. (ft)		Flow Area (sq ft)		19.16	
E.G. Slope (ft/ft)	0.014406	Area (sq ft)		19.16	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	53.61	Top Width (ft)		53.61	
Vel Total (ft/s)	2.24	Avg. Vel. (ft/s)		2.24	
Max Chl Dpth (ft)	0.60	Hydr. Depth (ft)		0.36	
Conv. Total (cfs)	358.3	Conv. (cfs)		358.3	
Length Wtd. (ft)	28.40	Wetted Per. (ft)		53.63	
Min Ch El (ft)	7052.80	Shear (lb/sq ft)		0.32	
Alpha	1.00	Stream Power (lb/ft s)		0.72	
Frctn Loss (ft)	0.38	Cum Volume (acre-ft)		0.47	
C & E Loss (ft)	0.00	Cum SA (acres)		1.21	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2073.40* Profile: Q010

E.G. Elev (ft)	7053.11	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.07	Wt. n-Val.		0.040	
W.S. Elev (ft)	7053.04	Reach Len. (ft)	30.40	28.40	26.60
Crit W.S. (ft)		Flow Area (sq ft)		20.90	
E.G. Slope (ft/ft)	0.012224	Area (sq ft)		20.90	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	58.91	Top Width (ft)		58.91	
Vel Total (ft/s)	2.06	Avg. Vel. (ft/s)		2.06	
Max Chl Dpth (ft)	0.64	Hydr. Depth (ft)		0.35	
Conv. Total (cfs)	388.9	Conv. (cfs)		388.9	
Length Wtd. (ft)	28.40	Wetted Per. (ft)		58.94	
Min Ch El (ft)	7052.40	Shear (lb/sq ft)		0.27	
Alpha	1.00	Stream Power (lb/ft s)		0.56	
Frctn Loss (ft)	0.42	Cum Volume (acre-ft)		0.46	
C & E Loss (ft)	0.00	Cum SA (acres)		1.18	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2045 Profile: Q010

E.G. Elev (ft)	7052.69	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.		0.040	
W.S. Elev (ft)	7052.61	Reach Len. (ft)	35.80	29.20	28.80
Crit W.S. (ft)		Flow Area (sq ft)		19.14	
E.G. Slope (ft/ft)	0.017799	Area (sq ft)		19.14	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	62.69	Top Width (ft)		62.69	
Vel Total (ft/s)	2.25	Avg. Vel. (ft/s)		2.25	
Max Chl Dpth (ft)	0.61	Hydr. Depth (ft)		0.31	
Conv. Total (cfs)	322.3	Conv. (cfs)		322.3	
Length Wtd. (ft)	29.20	Wetted Per. (ft)		62.72	
Min Ch El (ft)	7052.00	Shear (lb/sq ft)		0.34	
Alpha	1.00	Stream Power (lb/ft s)		0.76	
Frctn Loss (ft)	0.54	Cum Volume (acre-ft)		0.44	
C & E Loss (ft)	0.00	Cum SA (acres)		1.14	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2015.80* Profile: Q010

E.G. Elev (ft)	7052.15	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.		0.040	
W.S. Elev (ft)	7052.07	Reach Len. (ft)	35.80	29.20	28.80
Crit W.S. (ft)		Flow Area (sq ft)		18.56	
E.G. Slope (ft/ft)	0.019072	Area (sq ft)		18.56	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	61.16	Top Width (ft)		61.16	
Vel Total (ft/s)	2.32	Avg. Vel. (ft/s)		2.32	
Max Chl Dpth (ft)	0.61	Hydr. Depth (ft)		0.30	
Conv. Total (cfs)	311.4	Conv. (cfs)		311.4	
Length Wtd. (ft)	29.20	Wetted Per. (ft)		61.18	
Min Ch El (ft)	7051.46	Shear (lb/sq ft)		0.36	
Alpha	1.00	Stream Power (lb/ft s)		0.84	
Frctn Loss (ft)	0.54	Cum Volume (acre-ft)		0.43	
C & E Loss (ft)	0.00	Cum SA (acres)		1.10	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1986.60* Profile: Q010

E.G. Elev (ft)	7051.61	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.		0.040	
W.S. Elev (ft)	7051.53	Reach Len. (ft)	35.80	29.20	28.80
Crit W.S. (ft)		Flow Area (sq ft)		18.77	
E.G. Slope (ft/ft)	0.017901	Area (sq ft)		18.77	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	59.95	Top Width (ft)		59.95	
Vel Total (ft/s)	2.29	Avg. Vel. (ft/s)		2.29	
Max Chl Dpth (ft)	0.61	Hydr. Depth (ft)		0.31	
Conv. Total (cfs)	321.4	Conv. (cfs)		321.4	
Length Wtd. (ft)	29.20	Wetted Per. (ft)		59.97	
Min Ch El (ft)	7050.92	Shear (lb/sq ft)		0.35	
Alpha	1.00	Stream Power (lb/ft s)		0.80	
Frctn Loss (ft)	0.56	Cum Volume (acre-ft)		0.42	
C & E Loss (ft)	0.00	Cum SA (acres)		1.06	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1957.40* Profile: Q010

E.G. Elev (ft)	7051.06	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.09	Wt. n-Val.		0.040	
W.S. Elev (ft)	7050.97	Reach Len. (ft)	35.80	29.20	28.80
Crit W.S. (ft)		Flow Area (sq ft)		17.90	
E.G. Slope (ft/ft)	0.020383	Area (sq ft)		17.90	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	58.67	Top Width (ft)		58.67	
Vel Total (ft/s)	2.40	Avg. Vel. (ft/s)		2.40	
Max Chl Dpth (ft)	0.59	Hydr. Depth (ft)		0.31	
Conv. Total (cfs)	301.2	Conv. (cfs)		301.2	
Length Wtd. (ft)	29.20	Wetted Per. (ft)		58.69	
Min Ch El (ft)	7050.38	Shear (lb/sq ft)		0.39	
Alpha	1.00	Stream Power (lb/ft s)		0.93	
Frctn Loss (ft)	0.54	Cum Volume (acre-ft)		0.40	
C & E Loss (ft)	0.00	Cum SA (acres)		1.02	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1928.20* Profile: Q010

E.G. Elev (ft)	7050.53	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.		0.040	
W.S. Elev (ft)	7050.45	Reach Len. (ft)	35.80	29.20	28.80
Crit W.S. (ft)		Flow Area (sq ft)		19.11	
E.G. Slope (ft/ft)	0.016586	Area (sq ft)		19.11	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	59.25	Top Width (ft)		59.25	
Vel Total (ft/s)	2.25	Avg. Vel. (ft/s)		2.25	
Max Chl Dpth (ft)	0.61	Hydr. Depth (ft)		0.32	
Conv. Total (cfs)	333.9	Conv. (cfs)		333.9	
Length Wtd. (ft)	29.20	Wetted Per. (ft)		59.26	
Min Ch El (ft)	7049.84	Shear (lb/sq ft)		0.33	
Alpha	1.00	Stream Power (lb/ft s)		0.75	
Frctn Loss (ft)	0.57	Cum Volume (acre-ft)		0.39	
C & E Loss (ft)	0.00	Cum SA (acres)		0.98	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1899 Profile: Q010

E.G. Elev (ft)	7049.97	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.040	
W.S. Elev (ft)	7049.87	Reach Len. (ft)	45.67	43.00	43.67
Crit W.S. (ft)	7049.82	Flow Area (sq ft)		16.81	
E.G. Slope (ft/ft)	0.022940	Area (sq ft)		16.81	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	54.84	Top Width (ft)		54.84	
Vel Total (ft/s)	2.56	Avg. Vel. (ft/s)		2.56	
Max Chl Dpth (ft)	0.57	Hydr. Depth (ft)		0.31	
Conv. Total (cfs)	283.9	Conv. (cfs)		283.9	
Length Wtd. (ft)	43.00	Wetted Per. (ft)		54.85	
Min Ch El (ft)	7049.30	Shear (lb/sq ft)		0.44	
Alpha	1.00	Stream Power (lb/ft s)		1.12	
Frctn Loss (ft)	0.95	Cum Volume (acre-ft)		0.38	
C & E Loss (ft)	0.00	Cum SA (acres)		0.94	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1856.00* Profile: Q010

E.G. Elev (ft)	7049.02	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.040	
W.S. Elev (ft)	7048.92	Reach Len. (ft)	45.67	43.00	43.67
Crit W.S. (ft)		Flow Area (sq ft)		16.79	
E.G. Slope (ft/ft)	0.021163	Area (sq ft)		16.79	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	51.48	Top Width (ft)		51.48	
Vel Total (ft/s)	2.56	Avg. Vel. (ft/s)		2.56	
Max Chl Dpth (ft)	0.55	Hydr. Depth (ft)		0.33	
Conv. Total (cfs)	295.6	Conv. (cfs)		295.6	
Length Wtd. (ft)	43.00	Wetted Per. (ft)		51.49	
Min Ch El (ft)	7048.37	Shear (lb/sq ft)		0.43	
Alpha	1.00	Stream Power (lb/ft s)		1.10	
Frctn Loss (ft)	0.97	Cum Volume (acre-ft)		0.36	
C & E Loss (ft)	0.00	Cum SA (acres)		0.89	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1813.00* Profile: Q010

E.G. Elev (ft)	7048.05	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.11	Wt. n-Val.		0.040	
W.S. Elev (ft)	7047.94	Reach Len. (ft)	45.67	43.00	43.67
Crit W.S. (ft)		Flow Area (sq ft)		16.04	
E.G. Slope (ft/ft)	0.024337	Area (sq ft)		16.04	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	50.99	Top Width (ft)		50.99	
Vel Total (ft/s)	2.68	Avg. Vel. (ft/s)		2.68	
Max Chl Dpth (ft)	0.51	Hydr. Depth (ft)		0.31	
Conv. Total (cfs)	275.6	Conv. (cfs)		275.6	
Length Wtd. (ft)	43.00	Wetted Per. (ft)		51.00	
Min Ch El (ft)	7047.43	Shear (lb/sq ft)		0.48	
Alpha	1.00	Stream Power (lb/ft s)		1.28	
Frctn Loss (ft)	0.98	Cum Volume (acre-ft)		0.35	
C & E Loss (ft)	0.00	Cum SA (acres)		0.84	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1770 Profile: Q010

E.G. Elev (ft)	7047.08	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.040	
W.S. Elev (ft)	7046.98	Reach Len. (ft)	45.74	45.26	62.76
Crit W.S. (ft)		Flow Area (sq ft)		17.02	
E.G. Slope (ft/ft)	0.021272	Area (sq ft)		17.02	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	53.43	Top Width (ft)		53.43	
Vel Total (ft/s)	2.53	Avg. Vel. (ft/s)		2.53	
Max Chl Dpth (ft)	0.48	Hydr. Depth (ft)		0.32	
Conv. Total (cfs)	294.8	Conv. (cfs)		294.8	
Length Wtd. (ft)	45.26	Wetted Per. (ft)		53.45	
Min Ch El (ft)	7046.50	Shear (lb/sq ft)		0.42	
Alpha	1.00	Stream Power (lb/ft s)		1.07	
Frctn Loss (ft)	1.13	Cum Volume (acre-ft)		0.33	
C & E Loss (ft)	0.00	Cum SA (acres)		0.78	

Errors Warnings and Notes

Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1724.75* Profile: Q010

E.G. Elev (ft)	7045.95	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.		0.040	
W.S. Elev (ft)	7045.83	Reach Len. (ft)	45.74	45.26	62.76
Crit W.S. (ft)	7045.81	Flow Area (sq ft)		15.41	
E.G. Slope (ft/ft)	0.029561	Area (sq ft)		15.41	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	53.37	Top Width (ft)		53.37	
Vel Total (ft/s)	2.79	Avg. Vel. (ft/s)		2.79	
Max Chl Dpth (ft)	0.45	Hydr. Depth (ft)		0.29	
Conv. Total (cfs)	250.1	Conv. (cfs)		250.1	
Length Wtd. (ft)	45.26	Wetted Per. (ft)		53.38	
Min Ch El (ft)	7045.38	Shear (lb/sq ft)		0.53	
Alpha	1.00	Stream Power (lb/ft s)		1.49	
Frctn Loss (ft)	1.09	Cum Volume (acre-ft)		0.31	
C & E Loss (ft)	0.01	Cum SA (acres)		0.73	

Errors Warnings and Notes

Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate
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Errors Warnings and Notes (Continued)

	the need for additional cross sections.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1679.50* Profile: Q010

E.G. Elev (ft)	7044.85	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.09	Wt. n-Val.		0.040	
W.S. Elev (ft)	7044.76	Reach Len. (ft)	45.74	45.26	62.76
Crit W.S. (ft)		Flow Area (sq ft)		17.97	
E.G. Slope (ft/ft)	0.020132	Area (sq ft)		17.97	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	58.76	Top Width (ft)		58.76	
Vel Total (ft/s)	2.39	Avg. Vel. (ft/s)		2.39	
Max Chl Dpth (ft)	0.51	Hydr. Depth (ft)		0.31	
Conv. Total (cfs)	303.1	Conv. (cfs)		303.1	
Length Wtd. (ft)	45.26	Wetted Per. (ft)		58.77	
Min Ch EI (ft)	7044.25	Shear (lb/sq ft)		0.38	
Alpha	1.00	Stream Power (lb/ft s)		0.92	
Frctn Loss (ft)	1.13	Cum Volume (acre-ft)		0.30	
C & E Loss (ft)	0.00	Cum SA (acres)		0.67	

Errors Warnings and Notes

Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1634.25* Profile: Q010

E.G. Elev (ft)	7043.71	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.		0.040	
W.S. Elev (ft)	7043.59	Reach Len. (ft)	45.74	45.26	62.76
Crit W.S. (ft)	7043.57	Flow Area (sq ft)		15.66	
E.G. Slope (ft/ft)	0.031653	Area (sq ft)		15.66	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	58.49	Top Width (ft)		58.49	
Vel Total (ft/s)	2.75	Avg. Vel. (ft/s)		2.75	
Max Chl Dpth (ft)	0.47	Hydr. Depth (ft)		0.27	
Conv. Total (cfs)	241.7	Conv. (cfs)		241.7	
Length Wtd. (ft)	45.26	Wetted Per. (ft)		58.50	
Min Ch EI (ft)	7043.12	Shear (lb/sq ft)		0.53	
Alpha	1.00	Stream Power (lb/ft s)		1.45	
Frctn Loss (ft)	0.95	Cum Volume (acre-ft)		0.28	
C & E Loss (ft)	0.00	Cum SA (acres)		0.61	

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1589 Profile: Q010

E.G. Elev (ft)	7042.75	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.11	Wt. n-Val.		0.040	
W.S. Elev (ft)	7042.65	Reach Len. (ft)	32.44	33.58	31.14
Crit W.S. (ft)		Flow Area (sq ft)		29.90	
E.G. Slope (ft/ft)	0.017303	Area (sq ft)		29.90	
Q Total (cfs)	78.00	Flow (cfs)		78.00	
Top Width (ft)	76.59	Top Width (ft)		76.59	
Vel Total (ft/s)	2.61	Avg. Vel. (ft/s)		2.61	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1589 Profile: Q010 (Continued)

Max Chl Dpth (ft)	0.64	Hydr. Depth (ft)		0.39	
Conv. Total (cfs)	593.0	Conv. (cfs)		593.0	
Length Wtd. (ft)	33.58	Wetted Per. (ft)		76.64	
Min Ch El (ft)	7042.00	Shear (lb/sq ft)		0.42	
Alpha	1.00	Stream Power (lb/ft s)		1.10	
Frctn Loss (ft)	0.58	Cum Volume (acre-ft)		0.26	
C & E Loss (ft)	0.00	Cum SA (acres)		0.54	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1555.43* Profile: Q010

E.G. Elev (ft)	7042.18	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.11	Wt. n-Val.		0.040	
W.S. Elev (ft)	7042.07	Reach Len. (ft)	32.44	33.58	31.14
Crit W.S. (ft)		Flow Area (sq ft)		29.25	
E.G. Slope (ft/ft)	0.017359	Area (sq ft)		29.25	
Q Total (cfs)	78.00	Flow (cfs)		78.00	
Top Width (ft)	72.69	Top Width (ft)		72.69	
Vel Total (ft/s)	2.67	Avg. Vel. (ft/s)		2.67	
Max Chl Dpth (ft)	0.68	Hydr. Depth (ft)		0.40	
Conv. Total (cfs)	592.0	Conv. (cfs)		592.0	
Length Wtd. (ft)	33.58	Wetted Per. (ft)		72.71	
Min Ch El (ft)	7041.39	Shear (lb/sq ft)		0.44	
Alpha	1.00	Stream Power (lb/ft s)		1.16	
Frctn Loss (ft)	0.58	Cum Volume (acre-ft)		0.23	
C & E Loss (ft)	0.00	Cum SA (acres)		0.48	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1521.86* Profile: Q010

E.G. Elev (ft)	7041.60	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.		0.040	
W.S. Elev (ft)	7041.48	Reach Len. (ft)	32.44	33.58	31.14
Crit W.S. (ft)		Flow Area (sq ft)		28.03	
E.G. Slope (ft/ft)	0.017355	Area (sq ft)		28.03	
Q Total (cfs)	78.00	Flow (cfs)		78.00	
Top Width (ft)	65.34	Top Width (ft)		65.34	
Vel Total (ft/s)	2.78	Avg. Vel. (ft/s)		2.78	
Max Chl Dpth (ft)	0.71	Hydr. Depth (ft)		0.43	
Conv. Total (cfs)	592.1	Conv. (cfs)		592.1	
Length Wtd. (ft)	33.58	Wetted Per. (ft)		65.36	
Min Ch El (ft)	7040.77	Shear (lb/sq ft)		0.46	
Alpha	1.00	Stream Power (lb/ft s)		1.29	
Frctn Loss (ft)	0.58	Cum Volume (acre-ft)		0.21	
C & E Loss (ft)	0.00	Cum SA (acres)		0.43	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1488.29* Profile: Q010

E.G. Elev (ft)	7041.02	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.13	Wt. n-Val.		0.040	
W.S. Elev (ft)	7040.90	Reach Len. (ft)	32.44	33.58	31.14
Crit W.S. (ft)		Flow Area (sq ft)		27.04	
E.G. Slope (ft/ft)	0.017016	Area (sq ft)		27.04	
Q Total (cfs)	78.00	Flow (cfs)		78.00	
Top Width (ft)	58.83	Top Width (ft)		58.83	
Vel Total (ft/s)	2.88	Avg. Vel. (ft/s)		2.88	
Max Chl Dpth (ft)	0.73	Hydr. Depth (ft)		0.46	
Conv. Total (cfs)	598.0	Conv. (cfs)		598.0	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1488.29* Profile: Q010 (Continued)

Length Wtd. (ft)	33.58	Wetted Per. (ft)		58.86	
Min Ch El (ft)	7040.16	Shear (lb/sq ft)		0.49	
Alpha	1.00	Stream Power (lb/ft s)		1.41	
Frctn Loss (ft)	0.58	Cum Volume (acre-ft)		0.19	
C & E Loss (ft)	0.00	Cum SA (acres)		0.38	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1454.71* Profile: Q010

E.G. Elev (ft)	7040.44	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.14	Wt. n-Val.		0.040	
W.S. Elev (ft)	7040.30	Reach Len. (ft)	32.44	33.58	31.14
Crit W.S. (ft)		Flow Area (sq ft)		25.74	
E.G. Slope (ft/ft)	0.017794	Area (sq ft)		25.74	
Q Total (cfs)	78.00	Flow (cfs)		78.00	
Top Width (ft)	53.78	Top Width (ft)		53.78	
Vel Total (ft/s)	3.03	Avg. Vel. (ft/s)		3.03	
Max Chl Dpth (ft)	0.75	Hydr. Depth (ft)		0.48	
Conv. Total (cfs)	584.7	Conv. (cfs)		584.7	
Length Wtd. (ft)	33.58	Wetted Per. (ft)		53.82	
Min Ch El (ft)	7039.54	Shear (lb/sq ft)		0.53	
Alpha	1.00	Stream Power (lb/ft s)		1.61	
Frctn Loss (ft)	0.57	Cum Volume (acre-ft)		0.17	
C & E Loss (ft)	0.00	Cum SA (acres)		0.34	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1421.14* Profile: Q010

E.G. Elev (ft)	7039.87	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.14	Wt. n-Val.		0.040	
W.S. Elev (ft)	7039.72	Reach Len. (ft)	32.44	33.58	31.14
Crit W.S. (ft)		Flow Area (sq ft)		25.63	
E.G. Slope (ft/ft)	0.016481	Area (sq ft)		25.63	
Q Total (cfs)	78.00	Flow (cfs)		78.00	
Top Width (ft)	50.20	Top Width (ft)		50.20	
Vel Total (ft/s)	3.04	Avg. Vel. (ft/s)		3.04	
Max Chl Dpth (ft)	0.79	Hydr. Depth (ft)		0.51	
Conv. Total (cfs)	607.6	Conv. (cfs)		607.6	
Length Wtd. (ft)	33.58	Wetted Per. (ft)		50.26	
Min Ch El (ft)	7038.93	Shear (lb/sq ft)		0.52	
Alpha	1.00	Stream Power (lb/ft s)		1.60	
Frctn Loss (ft)	0.58	Cum Volume (acre-ft)		0.15	
C & E Loss (ft)	0.00	Cum SA (acres)		0.30	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1387.57* Profile: Q010

E.G. Elev (ft)	7039.29	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.16	Wt. n-Val.		0.040	
W.S. Elev (ft)	7039.13	Reach Len. (ft)	32.44	33.58	31.14
Crit W.S. (ft)		Flow Area (sq ft)		24.26	
E.G. Slope (ft/ft)	0.017894	Area (sq ft)		24.26	
Q Total (cfs)	78.00	Flow (cfs)		78.00	
Top Width (ft)	46.57	Top Width (ft)		46.57	
Vel Total (ft/s)	3.21	Avg. Vel. (ft/s)		3.21	
Max Chl Dpth (ft)	0.82	Hydr. Depth (ft)		0.52	
Conv. Total (cfs)	583.1	Conv. (cfs)		583.1	
Length Wtd. (ft)	33.58	Wetted Per. (ft)		46.64	
Min Ch El (ft)	7038.31	Shear (lb/sq ft)		0.58	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1387.57* Profile: Q010 (Continued)

Alpha	1.00	Stream Power (lb/ft s)		1.87	
Frctn Loss (ft)	0.56	Cum Volume (acre-ft)		0.13	
C & E Loss (ft)	0.00	Cum SA (acres)		0.26	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1354 Profile: Q010

E.G. Elev (ft)	7038.73	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.16	Wt. n-Val.		0.040	
W.S. Elev (ft)	7038.57	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)		Flow Area (sq ft)		24.63	
E.G. Slope (ft/ft)	0.015715	Area (sq ft)		24.63	
Q Total (cfs)	78.00	Flow (cfs)		78.00	
Top Width (ft)	43.85	Top Width (ft)		43.85	
Vel Total (ft/s)	3.17	Avg. Vel. (ft/s)		3.17	
Max Chl Dpth (ft)	0.87	Hydr. Depth (ft)		0.56	
Conv. Total (cfs)	622.2	Conv. (cfs)		622.2	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		43.94	
Min Ch El (ft)	7037.70	Shear (lb/sq ft)		0.55	
Alpha	1.00	Stream Power (lb/ft s)		1.74	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)		0.11	
C & E Loss (ft)	0.00	Cum SA (acres)		0.22	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1335.88* Profile: Q010

E.G. Elev (ft)	7038.44	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.15	Wt. n-Val.		0.040	
W.S. Elev (ft)	7038.30	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)		Flow Area (sq ft)		25.22	
E.G. Slope (ft/ft)	0.015571	Area (sq ft)		25.22	
Q Total (cfs)	78.00	Flow (cfs)		78.00	
Top Width (ft)	46.21	Top Width (ft)		46.21	
Vel Total (ft/s)	3.09	Avg. Vel. (ft/s)		3.09	
Max Chl Dpth (ft)	0.84	Hydr. Depth (ft)		0.55	
Conv. Total (cfs)	625.1	Conv. (cfs)		625.1	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		46.29	
Min Ch El (ft)	7037.46	Shear (lb/sq ft)		0.53	
Alpha	1.00	Stream Power (lb/ft s)		1.64	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)		0.10	
C & E Loss (ft)	0.00	Cum SA (acres)		0.21	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1317.75* Profile: Q010

E.G. Elev (ft)	7038.17	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.14	Wt. n-Val.		0.040	
W.S. Elev (ft)	7038.02	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)		Flow Area (sq ft)		25.93	
E.G. Slope (ft/ft)	0.015337	Area (sq ft)		25.93	
Q Total (cfs)	78.00	Flow (cfs)		78.00	
Top Width (ft)	48.97	Top Width (ft)		48.97	
Vel Total (ft/s)	3.01	Avg. Vel. (ft/s)		3.01	
Max Chl Dpth (ft)	0.79	Hydr. Depth (ft)		0.53	
Conv. Total (cfs)	629.8	Conv. (cfs)		629.8	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		49.03	
Min Ch El (ft)	7037.23	Shear (lb/sq ft)		0.51	
Alpha	1.00	Stream Power (lb/ft s)		1.52	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)		0.09	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1317.75* Profile: Q010 (Continued)

C & E Loss (ft)	0.00	Cum SA (acres)		0.19	
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1299.63* Profile: Q010

E.G. Elev (ft)	7037.88	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.14	Wt. n-Val.		0.040	
W.S. Elev (ft)	7037.75	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)		Flow Area (sq ft)		26.43	
E.G. Slope (ft/ft)	0.015557	Area (sq ft)		26.43	
Q Total (cfs)	78.00	Flow (cfs)		78.00	
Top Width (ft)	51.92	Top Width (ft)		51.92	
Vel Total (ft/s)	2.95	Avg. Vel. (ft/s)		2.95	
Max Chl Dpth (ft)	0.76	Hydr. Depth (ft)		0.51	
Conv. Total (cfs)	625.4	Conv. (cfs)		625.4	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		51.97	
Min Ch El (ft)	7036.99	Shear (lb/sq ft)		0.49	
Alpha	1.00	Stream Power (lb/ft s)		1.46	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)		0.08	
C & E Loss (ft)	0.00	Cum SA (acres)		0.17	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1281.50* Profile: Q010

E.G. Elev (ft)	7037.60	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.13	Wt. n-Val.		0.040	
W.S. Elev (ft)	7037.47	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)		Flow Area (sq ft)		27.03	
E.G. Slope (ft/ft)	0.015701	Area (sq ft)		27.03	
Q Total (cfs)	78.00	Flow (cfs)		78.00	
Top Width (ft)	55.33	Top Width (ft)		55.33	
Vel Total (ft/s)	2.89	Avg. Vel. (ft/s)		2.89	
Max Chl Dpth (ft)	0.72	Hydr. Depth (ft)		0.49	
Conv. Total (cfs)	622.5	Conv. (cfs)		622.5	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		55.37	
Min Ch El (ft)	7036.75	Shear (lb/sq ft)		0.48	
Alpha	1.00	Stream Power (lb/ft s)		1.38	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)		0.07	
C & E Loss (ft)	0.00	Cum SA (acres)		0.14	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1263.38* Profile: Q010

E.G. Elev (ft)	7037.32	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.		0.040	
W.S. Elev (ft)	7037.20	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)		Flow Area (sq ft)		27.82	
E.G. Slope (ft/ft)	0.015650	Area (sq ft)		27.82	
Q Total (cfs)	78.00	Flow (cfs)		78.00	
Top Width (ft)	59.30	Top Width (ft)		59.30	
Vel Total (ft/s)	2.80	Avg. Vel. (ft/s)		2.80	
Max Chl Dpth (ft)	0.69	Hydr. Depth (ft)		0.47	
Conv. Total (cfs)	623.5	Conv. (cfs)		623.5	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		59.34	
Min Ch El (ft)	7036.51	Shear (lb/sq ft)		0.46	
Alpha	1.00	Stream Power (lb/ft s)		1.28	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)		0.06	
C & E Loss (ft)	0.00	Cum SA (acres)		0.12	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1245.25* Profile: Q010

E.G. Elev (ft)	7037.04	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.		0.040	
W.S. Elev (ft)	7036.92	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)		Flow Area (sq ft)		28.37	
E.G. Slope (ft/ft)	0.015434	Area (sq ft)		28.37	
Q Total (cfs)	78.00	Flow (cfs)		78.00	
Top Width (ft)	61.64	Top Width (ft)		61.64	
Vel Total (ft/s)	2.75	Avg. Vel. (ft/s)		2.75	
Max Chl Dpth (ft)	0.65	Hydr. Depth (ft)		0.46	
Conv. Total (cfs)	627.8	Conv. (cfs)		627.8	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		61.69	
Min Ch El (ft)	7036.27	Shear (lb/sq ft)		0.44	
Alpha	1.00	Stream Power (lb/ft s)		1.22	
Frctn Loss (ft)	0.29	Cum Volume (acre-ft)		0.05	
C & E Loss (ft)	0.00	Cum SA (acres)		0.09	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1227.13* Profile: Q010

E.G. Elev (ft)	7036.74	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.		0.040	
W.S. Elev (ft)	7036.62	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)		Flow Area (sq ft)		27.97	
E.G. Slope (ft/ft)	0.016918	Area (sq ft)		27.97	
Q Total (cfs)	78.00	Flow (cfs)		78.00	
Top Width (ft)	63.73	Top Width (ft)		63.73	
Vel Total (ft/s)	2.79	Avg. Vel. (ft/s)		2.79	
Max Chl Dpth (ft)	0.58	Hydr. Depth (ft)		0.44	
Conv. Total (cfs)	599.7	Conv. (cfs)		599.7	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		63.80	
Min Ch El (ft)	7036.04	Shear (lb/sq ft)		0.46	
Alpha	1.00	Stream Power (lb/ft s)		1.29	
Frctn Loss (ft)	0.20	Cum Volume (acre-ft)		0.03	
C & E Loss (ft)	0.01	Cum SA (acres)		0.07	

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1209 Profile: Q010

E.G. Elev (ft)	7036.53	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.07	Wt. n-Val.		0.040	
W.S. Elev (ft)	7036.46	Reach Len. (ft)	17.50	18.00	16.00
Crit W.S. (ft)		Flow Area (sq ft)		36.01	
E.G. Slope (ft/ft)	0.007774	Area (sq ft)		36.01	
Q Total (cfs)	78.00	Flow (cfs)		78.00	
Top Width (ft)	66.83	Top Width (ft)		66.83	
Vel Total (ft/s)	2.17	Avg. Vel. (ft/s)		2.17	
Max Chl Dpth (ft)	0.66	Hydr. Depth (ft)		0.54	
Conv. Total (cfs)	884.6	Conv. (cfs)		884.6	
Length Wtd. (ft)	18.00	Wetted Per. (ft)		66.95	
Min Ch El (ft)	7035.80	Shear (lb/sq ft)		0.26	
Alpha	1.00	Stream Power (lb/ft s)		0.57	
Frctn Loss (ft)	0.25	Cum Volume (acre-ft)		0.02	
C & E Loss (ft)	0.02	Cum SA (acres)		0.04	

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than
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Errors Warnings and Notes (Continued)

	1.4. This may indicate the need for additional cross sections.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1191.00* Profile: Q010

E.G. Elev (ft)	7036.27	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.23	Wt. n-Val.		0.040	
W.S. Elev (ft)	7036.03	Reach Len. (ft)	17.50	18.00	16.00
Crit W.S. (ft)	7036.03	Flow Area (sq ft)		20.09	
E.G. Slope (ft/ft)	0.030764	Area (sq ft)		20.09	
Q Total (cfs)	78.00	Flow (cfs)		78.00	
Top Width (ft)	43.62	Top Width (ft)		43.62	
Vel Total (ft/s)	3.88	Avg. Vel. (ft/s)		3.88	
Max Chl Dpth (ft)	0.63	Hydr. Depth (ft)		0.46	
Conv. Total (cfs)	444.7	Conv. (cfs)		444.7	
Length Wtd. (ft)	18.00	Wetted Per. (ft)		43.66	
Min Ch EI (ft)	7035.40	Shear (lb/sq ft)		0.88	
Alpha	1.00	Stream Power (lb/ft s)		3.43	
Frctn Loss (ft)	0.41	Cum Volume (acre-ft)		0.01	
C & E Loss (ft)	0.02	Cum SA (acres)		0.02	

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning:	During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1173 Profile: Q010

E.G. Elev (ft)	7035.73	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.17	Wt. n-Val.		0.040	
W.S. Elev (ft)	7035.57	Reach Len. (ft)			
Crit W.S. (ft)	7035.48	Flow Area (sq ft)		23.68	
E.G. Slope (ft/ft)	0.017690	Area (sq ft)		23.68	
Q Total (cfs)	78.00	Flow (cfs)		78.00	
Top Width (ft)	43.29	Top Width (ft)		43.29	
Vel Total (ft/s)	3.29	Avg. Vel. (ft/s)		3.29	
Max Chl Dpth (ft)	0.57	Hydr. Depth (ft)		0.55	
Conv. Total (cfs)	586.5	Conv. (cfs)		586.5	
Length Wtd. (ft)		Wetted Per. (ft)		43.50	
Min Ch EI (ft)	7035.00	Shear (lb/sq ft)		0.60	
Alpha	1.00	Stream Power (lb/ft s)		1.98	
Frctn Loss (ft)		Cum Volume (acre-ft)			
C & E Loss (ft)		Cum SA (acres)			

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 4141 Profile: Q002

E.G. Elev (ft)	7089.36	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7089.34	Reach Len. (ft)	26.60	28.80	30.40
Crit W.S. (ft)	7089.33	Flow Area (sq ft)		1.25	
E.G. Slope (ft/ft)	0.030500	Area (sq ft)		1.25	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	17.31	Top Width (ft)		17.31	
Vel Total (ft/s)	1.12	Avg. Vel. (ft/s)		1.12	
Max Chl Dpth (ft)	0.14	Hydr. Depth (ft)		0.07	
Conv. Total (cfs)	8.0	Conv. (cfs)		8.0	
Length Wtd. (ft)	28.80	Wetted Per. (ft)		17.31	
Min Ch El (ft)	7089.20	Shear (lb/sq ft)		0.14	
Alpha	1.00	Stream Power (lb/ft s)		0.15	
Frctn Loss (ft)	0.66	Cum Volume (acre-ft)		0.16	
C & E Loss (ft)	0.00	Cum SA (acres)		1.69	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 4112.20* Profile: Q002

E.G. Elev (ft)	7088.71	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7088.70	Reach Len. (ft)	26.60	28.80	30.40
Crit W.S. (ft)		Flow Area (sq ft)		1.55	
E.G. Slope (ft/ft)	0.017677	Area (sq ft)		1.55	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	19.96	Top Width (ft)		19.96	
Vel Total (ft/s)	0.90	Avg. Vel. (ft/s)		0.90	
Max Chl Dpth (ft)	0.16	Hydr. Depth (ft)		0.08	
Conv. Total (cfs)	10.5	Conv. (cfs)		10.5	
Length Wtd. (ft)	28.80	Wetted Per. (ft)		19.96	
Min Ch El (ft)	7088.54	Shear (lb/sq ft)		0.09	
Alpha	1.00	Stream Power (lb/ft s)		0.08	
Frctn Loss (ft)	0.67	Cum Volume (acre-ft)		0.16	
C & E Loss (ft)	0.00	Cum SA (acres)		1.68	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 4083.40* Profile: Q002

E.G. Elev (ft)	7088.03	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7088.01	Reach Len. (ft)	26.60	28.80	30.40
Crit W.S. (ft)		Flow Area (sq ft)		1.27	
E.G. Slope (ft/ft)	0.032364	Area (sq ft)		1.27	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	19.12	Top Width (ft)		19.12	
Vel Total (ft/s)	1.10	Avg. Vel. (ft/s)		1.10	
Max Chl Dpth (ft)	0.13	Hydr. Depth (ft)		0.07	
Conv. Total (cfs)	7.8	Conv. (cfs)		7.8	
Length Wtd. (ft)	28.80	Wetted Per. (ft)		19.12	
Min Ch El (ft)	7087.88	Shear (lb/sq ft)		0.13	
Alpha	1.00	Stream Power (lb/ft s)		0.15	
Frctn Loss (ft)	0.66	Cum Volume (acre-ft)		0.16	
C & E Loss (ft)	0.00	Cum SA (acres)		1.67	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 4054.60* Profile: Q002

E.G. Elev (ft)	7087.38	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7087.36	Reach Len. (ft)	26.60	28.80	30.40
Crit W.S. (ft)		Flow Area (sq ft)		1.57	
E.G. Slope (ft/ft)	0.017012	Area (sq ft)		1.57	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	19.93	Top Width (ft)		19.93	
Vel Total (ft/s)	0.89	Avg. Vel. (ft/s)		0.89	
Max Chl Dpth (ft)	0.14	Hydr. Depth (ft)		0.08	
Conv. Total (cfs)	10.7	Conv. (cfs)		10.7	
Length Wtd. (ft)	28.80	Wetted Per. (ft)		19.93	
Min Ch El (ft)	7087.22	Shear (lb/sq ft)		0.08	
Alpha	1.00	Stream Power (lb/ft s)		0.07	
Frctn Loss (ft)	0.68	Cum Volume (acre-ft)		0.16	
C & E Loss (ft)	0.00	Cum SA (acres)		1.65	

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 4025.80* Profile: Q002

E.G. Elev (ft)	7086.70	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7086.68	Reach Len. (ft)	26.60	28.80	30.40
Crit W.S. (ft)	7086.66	Flow Area (sq ft)		1.24	
E.G. Slope (ft/ft)	0.034520	Area (sq ft)		1.24	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	18.90	Top Width (ft)		18.90	
Vel Total (ft/s)	1.13	Avg. Vel. (ft/s)		1.13	
Max Chl Dpth (ft)	0.12	Hydr. Depth (ft)		0.07	
Conv. Total (cfs)	7.5	Conv. (cfs)		7.5	
Length Wtd. (ft)	28.80	Wetted Per. (ft)		18.91	
Min Ch El (ft)	7086.56	Shear (lb/sq ft)		0.14	
Alpha	1.00	Stream Power (lb/ft s)		0.16	
Frctn Loss (ft)	0.66	Cum Volume (acre-ft)		0.16	
C & E Loss (ft)	0.00	Cum SA (acres)		1.64	

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3997 Profile: Q002

E.G. Elev (ft)	7086.03	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7086.02	Reach Len. (ft)	20.83	19.50	18.33
Crit W.S. (ft)		Flow Area (sq ft)		1.70	
E.G. Slope (ft/ft)	0.016417	Area (sq ft)		1.70	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	23.47	Top Width (ft)		23.47	
Vel Total (ft/s)	0.83	Avg. Vel. (ft/s)		0.83	
Max Chl Dpth (ft)	0.12	Hydr. Depth (ft)		0.07	
Conv. Total (cfs)	10.9	Conv. (cfs)		10.9	
Length Wtd. (ft)	19.50	Wetted Per. (ft)		23.47	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3997 Profile: Q002 (Continued)

Min Ch El (ft)	7085.90	Shear (lb/sq ft)		0.07	
Alpha	1.00	Stream Power (lb/ft s)		0.06	
Frctn Loss (ft)	0.38	Cum Volume (acre-ft)		0.15	
C & E Loss (ft)	0.00	Cum SA (acres)		1.63	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3977.50* Profile: Q002

E.G. Elev (ft)	7085.65	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7085.63	Reach Len. (ft)	20.83	19.50	18.33
Crit W.S. (ft)		Flow Area (sq ft)		1.46	
E.G. Slope (ft/ft)	0.023779	Area (sq ft)		1.46	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	21.24	Top Width (ft)		21.24	
Vel Total (ft/s)	0.96	Avg. Vel. (ft/s)		0.96	
Max Chl Dpth (ft)	0.11	Hydr. Depth (ft)		0.07	
Conv. Total (cfs)	9.1	Conv. (cfs)		9.1	
Length Wtd. (ft)	19.50	Wetted Per. (ft)		21.24	
Min Ch El (ft)	7085.52	Shear (lb/sq ft)		0.10	
Alpha	1.00	Stream Power (lb/ft s)		0.10	
Frctn Loss (ft)	0.38	Cum Volume (acre-ft)		0.15	
C & E Loss (ft)	0.00	Cum SA (acres)		1.62	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3958.00* Profile: Q002

E.G. Elev (ft)	7085.27	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7085.26	Reach Len. (ft)	20.83	19.50	18.33
Crit W.S. (ft)		Flow Area (sq ft)		1.63	
E.G. Slope (ft/ft)	0.016187	Area (sq ft)		1.63	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	21.03	Top Width (ft)		21.03	
Vel Total (ft/s)	0.86	Avg. Vel. (ft/s)		0.86	
Max Chl Dpth (ft)	0.13	Hydr. Depth (ft)		0.08	
Conv. Total (cfs)	11.0	Conv. (cfs)		11.0	
Length Wtd. (ft)	19.50	Wetted Per. (ft)		21.03	
Min Ch El (ft)	7085.13	Shear (lb/sq ft)		0.08	
Alpha	1.00	Stream Power (lb/ft s)		0.07	
Frctn Loss (ft)	0.39	Cum Volume (acre-ft)		0.15	
C & E Loss (ft)	0.00	Cum SA (acres)		1.61	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3938.50* Profile: Q002

E.G. Elev (ft)	7084.88	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7084.87	Reach Len. (ft)	20.83	19.50	18.33
Crit W.S. (ft)		Flow Area (sq ft)		1.43	
E.G. Slope (ft/ft)	0.024707	Area (sq ft)		1.43	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	20.88	Top Width (ft)		20.88	
Vel Total (ft/s)	0.98	Avg. Vel. (ft/s)		0.98	
Max Chl Dpth (ft)	0.12	Hydr. Depth (ft)		0.07	
Conv. Total (cfs)	8.9	Conv. (cfs)		8.9	
Length Wtd. (ft)	19.50	Wetted Per. (ft)		20.88	
Min Ch El (ft)	7084.75	Shear (lb/sq ft)		0.11	
Alpha	1.00	Stream Power (lb/ft s)		0.10	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3938.50* Profile: Q002 (Continued)

Frctn Loss (ft)	0.37	Cum Volume (acre-ft)		0.15	
C & E Loss (ft)	0.00	Cum SA (acres)		1.60	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3919.00* Profile: Q002

E.G. Elev (ft)	7084.51	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7084.50	Reach Len. (ft)	20.83	19.50	18.33
Crit W.S. (ft)		Flow Area (sq ft)		1.70	
E.G. Slope (ft/ft)	0.014855	Area (sq ft)		1.70	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	21.89	Top Width (ft)		21.89	
Vel Total (ft/s)	0.82	Avg. Vel. (ft/s)		0.82	
Max Chl Dpth (ft)	0.13	Hydr. Depth (ft)		0.08	
Conv. Total (cfs)	11.5	Conv. (cfs)		11.5	
Length Wtd. (ft)	19.50	Wetted Per. (ft)		21.89	
Min Ch El (ft)	7084.37	Shear (lb/sq ft)		0.07	
Alpha	1.00	Stream Power (lb/ft s)		0.06	
Frctn Loss (ft)	0.39	Cum Volume (acre-ft)		0.15	
C & E Loss (ft)	0.00	Cum SA (acres)		1.59	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3899.50* Profile: Q002

E.G. Elev (ft)	7084.11	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7084.09	Reach Len. (ft)	20.83	19.50	18.33
Crit W.S. (ft)		Flow Area (sq ft)		1.39	
E.G. Slope (ft/ft)	0.029046	Area (sq ft)		1.39	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	21.85	Top Width (ft)		21.85	
Vel Total (ft/s)	1.01	Avg. Vel. (ft/s)		1.01	
Max Chl Dpth (ft)	0.11	Hydr. Depth (ft)		0.06	
Conv. Total (cfs)	8.2	Conv. (cfs)		8.2	
Length Wtd. (ft)	19.50	Wetted Per. (ft)		21.86	
Min Ch El (ft)	7083.98	Shear (lb/sq ft)		0.12	
Alpha	1.00	Stream Power (lb/ft s)		0.12	
Frctn Loss (ft)	0.38	Cum Volume (acre-ft)		0.15	
C & E Loss (ft)	0.00	Cum SA (acres)		1.58	

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3880 Profile: Q002

E.G. Elev (ft)	7083.74	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7083.73	Reach Len. (ft)	35.00	36.00	36.60
Crit W.S. (ft)		Flow Area (sq ft)		1.78	
E.G. Slope (ft/ft)	0.013694	Area (sq ft)		1.78	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	23.22	Top Width (ft)		23.22	
Vel Total (ft/s)	0.79	Avg. Vel. (ft/s)		0.79	
Max Chl Dpth (ft)	0.13	Hydr. Depth (ft)		0.08	
Conv. Total (cfs)	12.0	Conv. (cfs)		12.0	
Length Wtd. (ft)	36.00	Wetted Per. (ft)		23.23	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3880 Profile: Q002 (Continued)

Min Ch El (ft)	7083.60	Shear (lb/sq ft)		0.07	
Alpha	1.00	Stream Power (lb/ft s)		0.05	
Frctn Loss (ft)	0.54	Cum Volume (acre-ft)		0.15	
C & E Loss (ft)	0.00	Cum SA (acres)		1.57	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3844.00* Profile: Q002

E.G. Elev (ft)	7083.20	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7083.19	Reach Len. (ft)	35.00	36.00	36.60
Crit W.S. (ft)		Flow Area (sq ft)		1.64	
E.G. Slope (ft/ft)	0.016392	Area (sq ft)		1.64	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	21.62	Top Width (ft)		21.62	
Vel Total (ft/s)	0.85	Avg. Vel. (ft/s)		0.85	
Max Chl Dpth (ft)	0.13	Hydr. Depth (ft)		0.08	
Conv. Total (cfs)	10.9	Conv. (cfs)		10.9	
Length Wtd. (ft)	36.00	Wetted Per. (ft)		21.63	
Min Ch El (ft)	7083.06	Shear (lb/sq ft)		0.08	
Alpha	1.00	Stream Power (lb/ft s)		0.07	
Frctn Loss (ft)	0.54	Cum Volume (acre-ft)		0.15	
C & E Loss (ft)	0.00	Cum SA (acres)		1.55	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3808.00* Profile: Q002

E.G. Elev (ft)	7082.66	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7082.65	Reach Len. (ft)	35.00	36.00	36.60
Crit W.S. (ft)		Flow Area (sq ft)		1.71	
E.G. Slope (ft/ft)	0.013822	Area (sq ft)		1.71	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	21.14	Top Width (ft)		21.14	
Vel Total (ft/s)	0.82	Avg. Vel. (ft/s)		0.82	
Max Chl Dpth (ft)	0.13	Hydr. Depth (ft)		0.08	
Conv. Total (cfs)	11.9	Conv. (cfs)		11.9	
Length Wtd. (ft)	36.00	Wetted Per. (ft)		21.14	
Min Ch El (ft)	7082.52	Shear (lb/sq ft)		0.07	
Alpha	1.00	Stream Power (lb/ft s)		0.06	
Frctn Loss (ft)	0.54	Cum Volume (acre-ft)		0.15	
C & E Loss (ft)	0.00	Cum SA (acres)		1.53	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3772.00* Profile: Q002

E.G. Elev (ft)	7082.12	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7082.11	Reach Len. (ft)	35.00	36.00	36.60
Crit W.S. (ft)		Flow Area (sq ft)		1.61	
E.G. Slope (ft/ft)	0.016622	Area (sq ft)		1.61	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	20.95	Top Width (ft)		20.95	
Vel Total (ft/s)	0.87	Avg. Vel. (ft/s)		0.87	
Max Chl Dpth (ft)	0.13	Hydr. Depth (ft)		0.08	
Conv. Total (cfs)	10.9	Conv. (cfs)		10.9	
Length Wtd. (ft)	36.00	Wetted Per. (ft)		20.95	
Min Ch El (ft)	7081.98	Shear (lb/sq ft)		0.08	
Alpha	1.00	Stream Power (lb/ft s)		0.07	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3772.00* Profile: Q002 (Continued)

Frctn Loss (ft)	0.54	Cum Volume (acre-ft)		0.15	
C & E Loss (ft)	0.00	Cum SA (acres)		1.52	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3736.00* Profile: Q002

E.G. Elev (ft)	7081.58	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7081.57	Reach Len. (ft)	35.00	36.00	36.60
Crit W.S. (ft)	7081.54	Flow Area (sq ft)		1.74	
E.G. Slope (ft/ft)	0.013505	Area (sq ft)		1.74	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	21.51	Top Width (ft)		21.51	
Vel Total (ft/s)	0.81	Avg. Vel. (ft/s)		0.81	
Max Chl Dpth (ft)	0.13	Hydr. Depth (ft)		0.08	
Conv. Total (cfs)	12.0	Conv. (cfs)		12.0	
Length Wtd. (ft)	36.00	Wetted Per. (ft)		21.51	
Min Ch El (ft)	7081.44	Shear (lb/sq ft)		0.07	
Alpha	1.00	Stream Power (lb/ft s)		0.05	
Frctn Loss (ft)	0.54	Cum Volume (acre-ft)		0.14	
C & E Loss (ft)	0.00	Cum SA (acres)		1.50	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3700 Profile: Q002

E.G. Elev (ft)	7081.03	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7081.02	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		1.67	
E.G. Slope (ft/ft)	0.017018	Area (sq ft)		1.67	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	23.21	Top Width (ft)		23.21	
Vel Total (ft/s)	0.84	Avg. Vel. (ft/s)		0.84	
Max Chl Dpth (ft)	0.12	Hydr. Depth (ft)		0.07	
Conv. Total (cfs)	10.7	Conv. (cfs)		10.7	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		23.21	
Min Ch El (ft)	7080.90	Shear (lb/sq ft)		0.08	
Alpha	1.00	Stream Power (lb/ft s)		0.06	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		0.14	
C & E Loss (ft)	0.00	Cum SA (acres)		1.48	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3675.00* Profile: Q002

E.G. Elev (ft)	7080.61	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7080.60	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		1.65	
E.G. Slope (ft/ft)	0.017200	Area (sq ft)		1.65	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	22.81	Top Width (ft)		22.81	
Vel Total (ft/s)	0.85	Avg. Vel. (ft/s)		0.85	
Max Chl Dpth (ft)	0.12	Hydr. Depth (ft)		0.07	
Conv. Total (cfs)	10.7	Conv. (cfs)		10.7	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		22.81	
Min Ch El (ft)	7080.48	Shear (lb/sq ft)		0.08	
Alpha	1.00	Stream Power (lb/ft s)		0.07	
Frctn Loss (ft)	0.42	Cum Volume (acre-ft)		0.14	
C & E Loss (ft)	0.00	Cum SA (acres)		1.47	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3650.00* Profile: Q002

E.G. Elev (ft)	7080.19	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7080.18	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		1.68	
E.G. Slope (ft/ft)	0.016566	Area (sq ft)		1.68	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	23.24	Top Width (ft)		23.24	
Vel Total (ft/s)	0.83	Avg. Vel. (ft/s)		0.83	
Max Chl Dpth (ft)	0.13	Hydr. Depth (ft)		0.07	
Conv. Total (cfs)	10.9	Conv. (cfs)		10.9	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		23.24	
Min Ch El (ft)	7080.05	Shear (lb/sq ft)		0.07	
Alpha	1.00	Stream Power (lb/ft s)		0.06	
Frctn Loss (ft)	0.42	Cum Volume (acre-ft)		0.14	
C & E Loss (ft)	0.00	Cum SA (acres)		1.45	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3625.00* Profile: Q002

E.G. Elev (ft)	7079.77	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7079.76	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		1.70	
E.G. Slope (ft/ft)	0.016749	Area (sq ft)		1.70	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	23.95	Top Width (ft)		23.95	
Vel Total (ft/s)	0.82	Avg. Vel. (ft/s)		0.82	
Max Chl Dpth (ft)	0.14	Hydr. Depth (ft)		0.07	
Conv. Total (cfs)	10.8	Conv. (cfs)		10.8	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		23.95	
Min Ch El (ft)	7079.62	Shear (lb/sq ft)		0.07	
Alpha	1.00	Stream Power (lb/ft s)		0.06	
Frctn Loss (ft)	0.41	Cum Volume (acre-ft)		0.14	
C & E Loss (ft)	0.00	Cum SA (acres)		1.44	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3600.00* Profile: Q002

E.G. Elev (ft)	7079.35	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7079.34	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		1.74	
E.G. Slope (ft/ft)	0.016192	Area (sq ft)		1.74	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	24.69	Top Width (ft)		24.69	
Vel Total (ft/s)	0.81	Avg. Vel. (ft/s)		0.81	
Max Chl Dpth (ft)	0.14	Hydr. Depth (ft)		0.07	
Conv. Total (cfs)	11.0	Conv. (cfs)		11.0	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		24.69	
Min Ch El (ft)	7079.20	Shear (lb/sq ft)		0.07	
Alpha	1.00	Stream Power (lb/ft s)		0.06	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		0.14	
C & E Loss (ft)	0.00	Cum SA (acres)		1.43	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3575.00* Profile: Q002

E.G. Elev (ft)	7078.92	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7078.91	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		1.63	
E.G. Slope (ft/ft)	0.018718	Area (sq ft)		1.63	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	23.40	Top Width (ft)		23.40	
Vel Total (ft/s)	0.86	Avg. Vel. (ft/s)		0.86	
Max Chl Dpth (ft)	0.14	Hydr. Depth (ft)		0.07	
Conv. Total (cfs)	10.2	Conv. (cfs)		10.2	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		23.41	
Min Ch El (ft)	7078.77	Shear (lb/sq ft)		0.08	
Alpha	1.00	Stream Power (lb/ft s)		0.07	
Frctn Loss (ft)	0.42	Cum Volume (acre-ft)		0.14	
C & E Loss (ft)	0.00	Cum SA (acres)		1.41	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3550.00* Profile: Q002

E.G. Elev (ft)	7078.50	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7078.49	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		1.78	
E.G. Slope (ft/ft)	0.015027	Area (sq ft)		1.78	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	24.66	Top Width (ft)		24.66	
Vel Total (ft/s)	0.79	Avg. Vel. (ft/s)		0.79	
Max Chl Dpth (ft)	0.14	Hydr. Depth (ft)		0.07	
Conv. Total (cfs)	11.4	Conv. (cfs)		11.4	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		24.66	
Min Ch El (ft)	7078.35	Shear (lb/sq ft)		0.07	
Alpha	1.00	Stream Power (lb/ft s)		0.05	
Frctn Loss (ft)	0.44	Cum Volume (acre-ft)		0.14	
C & E Loss (ft)	0.00	Cum SA (acres)		1.40	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3525.00* Profile: Q002

E.G. Elev (ft)	7078.07	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7078.06	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		1.56	
E.G. Slope (ft/ft)	0.020486	Area (sq ft)		1.56	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	22.63	Top Width (ft)		22.63	
Vel Total (ft/s)	0.90	Avg. Vel. (ft/s)		0.90	
Max Chl Dpth (ft)	0.14	Hydr. Depth (ft)		0.07	
Conv. Total (cfs)	9.8	Conv. (cfs)		9.8	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		22.64	
Min Ch El (ft)	7077.92	Shear (lb/sq ft)		0.09	
Alpha	1.00	Stream Power (lb/ft s)		0.08	
Frctn Loss (ft)	0.41	Cum Volume (acre-ft)		0.14	
C & E Loss (ft)	0.00	Cum SA (acres)		1.38	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3500 Profile: Q002

E.G. Elev (ft)	7077.66	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7077.65	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		1.82	
E.G. Slope (ft/ft)	0.013444	Area (sq ft)		1.82	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	24.26	Top Width (ft)		24.26	
Vel Total (ft/s)	0.77	Avg. Vel. (ft/s)		0.77	
Max Chl Dpth (ft)	0.15	Hydr. Depth (ft)		0.08	
Conv. Total (cfs)	12.1	Conv. (cfs)		12.1	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		24.27	
Min Ch El (ft)	7077.50	Shear (lb/sq ft)		0.06	
Alpha	1.00	Stream Power (lb/ft s)		0.05	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		0.14	
C & E Loss (ft)	0.00	Cum SA (acres)		1.37	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3480.77* Profile: Q002

E.G. Elev (ft)	7077.40	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7077.39	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		1.78	
E.G. Slope (ft/ft)	0.014633	Area (sq ft)		1.78	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	24.30	Top Width (ft)		24.30	
Vel Total (ft/s)	0.79	Avg. Vel. (ft/s)		0.79	
Max Chl Dpth (ft)	0.15	Hydr. Depth (ft)		0.07	
Conv. Total (cfs)	11.6	Conv. (cfs)		11.6	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		24.30	
Min Ch El (ft)	7077.24	Shear (lb/sq ft)		0.07	
Alpha	1.00	Stream Power (lb/ft s)		0.05	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		0.13	
C & E Loss (ft)	0.00	Cum SA (acres)		1.36	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3461.54* Profile: Q002

E.G. Elev (ft)	7077.13	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7077.13	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		1.86	
E.G. Slope (ft/ft)	0.013265	Area (sq ft)		1.86	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	25.30	Top Width (ft)		25.30	
Vel Total (ft/s)	0.75	Avg. Vel. (ft/s)		0.75	
Max Chl Dpth (ft)	0.15	Hydr. Depth (ft)		0.07	
Conv. Total (cfs)	12.2	Conv. (cfs)		12.2	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		25.30	
Min Ch El (ft)	7076.98	Shear (lb/sq ft)		0.06	
Alpha	1.00	Stream Power (lb/ft s)		0.05	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		0.13	
C & E Loss (ft)	0.00	Cum SA (acres)		1.35	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3442.31* Profile: Q002

E.G. Elev (ft)	7076.87	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7076.86	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		1.83	
E.G. Slope (ft/ft)	0.014697	Area (sq ft)		1.83	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	26.03	Top Width (ft)		26.03	
Vel Total (ft/s)	0.77	Avg. Vel. (ft/s)		0.77	
Max Chl Dpth (ft)	0.14	Hydr. Depth (ft)		0.07	
Conv. Total (cfs)	11.5	Conv. (cfs)		11.5	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		26.03	
Min Ch El (ft)	7076.72	Shear (lb/sq ft)		0.06	
Alpha	1.00	Stream Power (lb/ft s)		0.05	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		0.13	
C & E Loss (ft)	0.00	Cum SA (acres)		1.34	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3423.08* Profile: Q002

E.G. Elev (ft)	7076.60	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7076.59	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		1.87	
E.G. Slope (ft/ft)	0.013675	Area (sq ft)		1.87	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	26.29	Top Width (ft)		26.29	
Vel Total (ft/s)	0.75	Avg. Vel. (ft/s)		0.75	
Max Chl Dpth (ft)	0.14	Hydr. Depth (ft)		0.07	
Conv. Total (cfs)	12.0	Conv. (cfs)		12.0	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		26.30	
Min Ch El (ft)	7076.45	Shear (lb/sq ft)		0.06	
Alpha	1.00	Stream Power (lb/ft s)		0.05	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		0.13	
C & E Loss (ft)	0.00	Cum SA (acres)		1.33	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3403.85* Profile: Q002

E.G. Elev (ft)	7076.33	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7076.33	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		1.84	
E.G. Slope (ft/ft)	0.014851	Area (sq ft)		1.84	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	26.64	Top Width (ft)		26.64	
Vel Total (ft/s)	0.76	Avg. Vel. (ft/s)		0.76	
Max Chl Dpth (ft)	0.14	Hydr. Depth (ft)		0.07	
Conv. Total (cfs)	11.5	Conv. (cfs)		11.5	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		26.64	
Min Ch El (ft)	7076.19	Shear (lb/sq ft)		0.06	
Alpha	1.00	Stream Power (lb/ft s)		0.05	
Frctn Loss (ft)	0.26	Cum Volume (acre-ft)		0.13	
C & E Loss (ft)	0.00	Cum SA (acres)		1.32	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3384.62* Profile: Q002

E.G. Elev (ft)	7076.08	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7076.07	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		1.98	
E.G. Slope (ft/ft)	0.012251	Area (sq ft)		1.98	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	27.88	Top Width (ft)		27.88	
Vel Total (ft/s)	0.71	Avg. Vel. (ft/s)		0.71	
Max Chl Dpth (ft)	0.14	Hydr. Depth (ft)		0.07	
Conv. Total (cfs)	12.6	Conv. (cfs)		12.6	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		27.88	
Min Ch El (ft)	7075.93	Shear (lb/sq ft)		0.05	
Alpha	1.00	Stream Power (lb/ft s)		0.04	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		0.13	
C & E Loss (ft)	0.00	Cum SA (acres)		1.30	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3365.39* Profile: Q002

E.G. Elev (ft)	7075.81	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7075.80	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		1.82	
E.G. Slope (ft/ft)	0.016425	Area (sq ft)		1.82	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	27.86	Top Width (ft)		27.86	
Vel Total (ft/s)	0.77	Avg. Vel. (ft/s)		0.77	
Max Chl Dpth (ft)	0.13	Hydr. Depth (ft)		0.07	
Conv. Total (cfs)	10.9	Conv. (cfs)		10.9	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		27.86	
Min Ch El (ft)	7075.67	Shear (lb/sq ft)		0.07	
Alpha	1.00	Stream Power (lb/ft s)		0.05	
Frctn Loss (ft)	0.26	Cum Volume (acre-ft)		0.13	
C & E Loss (ft)	0.00	Cum SA (acres)		1.29	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3346.15* Profile: Q002

E.G. Elev (ft)	7075.55	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7075.54	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		2.03	
E.G. Slope (ft/ft)	0.011702	Area (sq ft)		2.03	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	28.64	Top Width (ft)		28.64	
Vel Total (ft/s)	0.69	Avg. Vel. (ft/s)		0.69	
Max Chl Dpth (ft)	0.13	Hydr. Depth (ft)		0.07	
Conv. Total (cfs)	12.9	Conv. (cfs)		12.9	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		28.64	
Min Ch El (ft)	7075.41	Shear (lb/sq ft)		0.05	
Alpha	1.00	Stream Power (lb/ft s)		0.04	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)		0.13	
C & E Loss (ft)	0.00	Cum SA (acres)		1.28	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3326.92* Profile: Q002

E.G. Elev (ft)	7075.27	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7075.27	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		1.77	
E.G. Slope (ft/ft)	0.018721	Area (sq ft)		1.77	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	28.73	Top Width (ft)		28.73	
Vel Total (ft/s)	0.79	Avg. Vel. (ft/s)		0.79	
Max Chl Dpth (ft)	0.11	Hydr. Depth (ft)		0.06	
Conv. Total (cfs)	10.2	Conv. (cfs)		10.2	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		28.73	
Min Ch EI (ft)	7075.15	Shear (lb/sq ft)		0.07	
Alpha	1.00	Stream Power (lb/ft s)		0.06	
Frctn Loss (ft)	0.25	Cum Volume (acre-ft)		0.13	
C & E Loss (ft)	0.00	Cum SA (acres)		1.27	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3307.69* Profile: Q002

E.G. Elev (ft)	7075.02	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7075.01	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		2.20	
E.G. Slope (ft/ft)	0.009270	Area (sq ft)		2.20	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	29.48	Top Width (ft)		29.48	
Vel Total (ft/s)	0.63	Avg. Vel. (ft/s)		0.63	
Max Chl Dpth (ft)	0.13	Hydr. Depth (ft)		0.07	
Conv. Total (cfs)	14.5	Conv. (cfs)		14.5	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		29.48	
Min Ch EI (ft)	7074.88	Shear (lb/sq ft)		0.04	
Alpha	1.00	Stream Power (lb/ft s)		0.03	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		0.13	
C & E Loss (ft)	0.00	Cum SA (acres)		1.25	

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3288.46* Profile: Q002

E.G. Elev (ft)	7074.74	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7074.73	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		1.63	
E.G. Slope (ft/ft)	0.024693	Area (sq ft)		1.63	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	28.91	Top Width (ft)		28.91	
Vel Total (ft/s)	0.86	Avg. Vel. (ft/s)		0.86	
Max Chl Dpth (ft)	0.11	Hydr. Depth (ft)		0.06	
Conv. Total (cfs)	8.9	Conv. (cfs)		8.9	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		28.91	
Min Ch EI (ft)	7074.62	Shear (lb/sq ft)		0.09	
Alpha	1.00	Stream Power (lb/ft s)		0.07	
Frctn Loss (ft)	0.25	Cum Volume (acre-ft)		0.13	
C & E Loss (ft)	0.00	Cum SA (acres)		1.24	

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than
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Errors Warnings and Notes (Continued)

1.4. This may indicate the need for additional cross sections.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3269.23* Profile: Q002

E.G. Elev (ft)	7074.49	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7074.49	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)	7074.45	Flow Area (sq ft)		2.37	
E.G. Slope (ft/ft)	0.008136	Area (sq ft)		2.37	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	32.17	Top Width (ft)		32.17	
Vel Total (ft/s)	0.59	Avg. Vel. (ft/s)		0.59	
Max Chl Dpth (ft)	0.13	Hydr. Depth (ft)		0.07	
Conv. Total (cfs)	15.5	Conv. (cfs)		15.5	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		32.17	
Min Ch EI (ft)	7074.36	Shear (lb/sq ft)		0.04	
Alpha	1.00	Stream Power (lb/ft s)		0.02	
Frctn Loss (ft)	0.25	Cum Volume (acre-ft)		0.13	
C & E Loss (ft)	0.00	Cum SA (acres)		1.23	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3250 Profile: Q002

E.G. Elev (ft)	7074.23	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7074.22	Reach Len. (ft)	14.70	15.00	15.70
Crit W.S. (ft)		Flow Area (sq ft)		2.74	
E.G. Slope (ft/ft)	0.018687	Area (sq ft)		2.74	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	38.21	Top Width (ft)		38.21	
Vel Total (ft/s)	0.88	Avg. Vel. (ft/s)		0.88	
Max Chl Dpth (ft)	0.12	Hydr. Depth (ft)		0.07	
Conv. Total (cfs)	17.6	Conv. (cfs)		17.6	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		38.22	
Min Ch EI (ft)	7074.10	Shear (lb/sq ft)		0.08	
Alpha	1.00	Stream Power (lb/ft s)		0.07	
Frctn Loss (ft)	0.30	Cum Volume (acre-ft)		0.12	
C & E Loss (ft)	0.00	Cum SA (acres)		1.21	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3235.00* Profile: Q002

E.G. Elev (ft)	7073.94	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7073.93	Reach Len. (ft)	14.70	15.00	15.70
Crit W.S. (ft)		Flow Area (sq ft)		2.48	
E.G. Slope (ft/ft)	0.021382	Area (sq ft)		2.48	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	33.01	Top Width (ft)		33.01	
Vel Total (ft/s)	0.97	Avg. Vel. (ft/s)		0.97	
Max Chl Dpth (ft)	0.13	Hydr. Depth (ft)		0.08	
Conv. Total (cfs)	16.4	Conv. (cfs)		16.4	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		33.01	
Min Ch EI (ft)	7073.80	Shear (lb/sq ft)		0.10	
Alpha	1.00	Stream Power (lb/ft s)		0.10	
Frctn Loss (ft)	0.29	Cum Volume (acre-ft)		0.12	
C & E Loss (ft)	0.00	Cum SA (acres)		1.20	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3220.00* Profile: Q002

E.G. Elev (ft)	7073.65	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7073.63	Reach Len. (ft)	14.70	15.00	15.70
Crit W.S. (ft)		Flow Area (sq ft)		2.57	
E.G. Slope (ft/ft)	0.017590	Area (sq ft)		2.57	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	31.01	Top Width (ft)		31.01	
Vel Total (ft/s)	0.94	Avg. Vel. (ft/s)		0.94	
Max Chl Dpth (ft)	0.13	Hydr. Depth (ft)		0.08	
Conv. Total (cfs)	18.1	Conv. (cfs)		18.1	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		31.01	
Min Ch El (ft)	7073.50	Shear (lb/sq ft)		0.09	
Alpha	1.00	Stream Power (lb/ft s)		0.08	
Frctn Loss (ft)	0.31	Cum Volume (acre-ft)		0.12	
C & E Loss (ft)	0.00	Cum SA (acres)		1.19	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3205.00* Profile: Q002

E.G. Elev (ft)	7073.34	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7073.33	Reach Len. (ft)	14.70	15.00	15.70
Crit W.S. (ft)		Flow Area (sq ft)		2.27	
E.G. Slope (ft/ft)	0.024469	Area (sq ft)		2.27	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	29.20	Top Width (ft)		29.20	
Vel Total (ft/s)	1.06	Avg. Vel. (ft/s)		1.06	
Max Chl Dpth (ft)	0.13	Hydr. Depth (ft)		0.08	
Conv. Total (cfs)	15.3	Conv. (cfs)		15.3	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		29.20	
Min Ch El (ft)	7073.20	Shear (lb/sq ft)		0.12	
Alpha	1.00	Stream Power (lb/ft s)		0.13	
Frctn Loss (ft)	0.29	Cum Volume (acre-ft)		0.12	
C & E Loss (ft)	0.00	Cum SA (acres)		1.18	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3190.00* Profile: Q002

E.G. Elev (ft)	7073.05	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7073.04	Reach Len. (ft)	14.70	15.00	15.70
Crit W.S. (ft)		Flow Area (sq ft)		2.55	
E.G. Slope (ft/ft)	0.015955	Area (sq ft)		2.55	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	28.32	Top Width (ft)		28.32	
Vel Total (ft/s)	0.94	Avg. Vel. (ft/s)		0.94	
Max Chl Dpth (ft)	0.14	Hydr. Depth (ft)		0.09	
Conv. Total (cfs)	19.0	Conv. (cfs)		19.0	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		28.32	
Min Ch El (ft)	7072.90	Shear (lb/sq ft)		0.09	
Alpha	1.00	Stream Power (lb/ft s)		0.08	
Frctn Loss (ft)	0.31	Cum Volume (acre-ft)		0.12	
C & E Loss (ft)	0.00	Cum SA (acres)		1.17	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3175.00* Profile: Q002

E.G. Elev (ft)	7072.75	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7072.73	Reach Len. (ft)	14.70	15.00	15.70
Crit W.S. (ft)		Flow Area (sq ft)		2.11	
E.G. Slope (ft/ft)	0.027648	Area (sq ft)		2.11	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	26.70	Top Width (ft)		26.70	
Vel Total (ft/s)	1.14	Avg. Vel. (ft/s)		1.14	
Max Chl Dpth (ft)	0.13	Hydr. Depth (ft)		0.08	
Conv. Total (cfs)	14.4	Conv. (cfs)		14.4	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		26.70	
Min Ch El (ft)	7072.60	Shear (lb/sq ft)		0.14	
Alpha	1.00	Stream Power (lb/ft s)		0.16	
Frctn Loss (ft)	0.29	Cum Volume (acre-ft)		0.12	
C & E Loss (ft)	0.00	Cum SA (acres)		1.16	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3160.00* Profile: Q002

E.G. Elev (ft)	7072.46	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7072.45	Reach Len. (ft)	14.70	15.00	15.70
Crit W.S. (ft)		Flow Area (sq ft)		2.54	
E.G. Slope (ft/ft)	0.014349	Area (sq ft)		2.54	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	25.96	Top Width (ft)		25.96	
Vel Total (ft/s)	0.94	Avg. Vel. (ft/s)		0.94	
Max Chl Dpth (ft)	0.15	Hydr. Depth (ft)		0.10	
Conv. Total (cfs)	20.0	Conv. (cfs)		20.0	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		25.96	
Min Ch El (ft)	7072.30	Shear (lb/sq ft)		0.09	
Alpha	1.00	Stream Power (lb/ft s)		0.08	
Frctn Loss (ft)	0.30	Cum Volume (acre-ft)		0.12	
C & E Loss (ft)	0.00	Cum SA (acres)		1.15	

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3145.00* Profile: Q002

E.G. Elev (ft)	7072.15	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7072.13	Reach Len. (ft)	14.70	15.00	15.70
Crit W.S. (ft)		Flow Area (sq ft)		1.99	
E.G. Slope (ft/ft)	0.029793	Area (sq ft)		1.99	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	24.49	Top Width (ft)		24.49	
Vel Total (ft/s)	1.20	Avg. Vel. (ft/s)		1.20	
Max Chl Dpth (ft)	0.13	Hydr. Depth (ft)		0.08	
Conv. Total (cfs)	13.9	Conv. (cfs)		13.9	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		24.49	
Min Ch El (ft)	7072.00	Shear (lb/sq ft)		0.15	
Alpha	1.00	Stream Power (lb/ft s)		0.18	
Frctn Loss (ft)	0.29	Cum Volume (acre-ft)		0.12	
C & E Loss (ft)	0.00	Cum SA (acres)		1.14	

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Errors Warnings and Notes (Continued)

	1.4. This may indicate the need for additional cross sections.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3130.00* Profile: Q002

E.G. Elev (ft)	7071.87	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7071.86	Reach Len. (ft)	14.70	15.00	15.70
Crit W.S. (ft)		Flow Area (sq ft)		2.50	
E.G. Slope (ft/ft)	0.013443	Area (sq ft)		2.50	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	23.77	Top Width (ft)		23.77	
Vel Total (ft/s)	0.96	Avg. Vel. (ft/s)		0.96	
Max Chl Dpth (ft)	0.16	Hydr. Depth (ft)		0.11	
Conv. Total (cfs)	20.7	Conv. (cfs)		20.7	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		23.78	
Min Ch EI (ft)	7071.70	Shear (lb/sq ft)		0.09	
Alpha	1.00	Stream Power (lb/ft s)		0.08	
Frctn Loss (ft)	0.30	Cum Volume (acre-ft)		0.12	
C & E Loss (ft)	0.00	Cum SA (acres)		1.13	

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than
	1.4. This may indicate the need for additional cross sections.

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3115.00* Profile: Q002

E.G. Elev (ft)	7071.56	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7071.54	Reach Len. (ft)	14.70	15.00	15.70
Crit W.S. (ft)		Flow Area (sq ft)		1.87	
E.G. Slope (ft/ft)	0.032824	Area (sq ft)		1.87	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	22.38	Top Width (ft)		22.38	
Vel Total (ft/s)	1.29	Avg. Vel. (ft/s)		1.29	
Max Chl Dpth (ft)	0.13	Hydr. Depth (ft)		0.08	
Conv. Total (cfs)	13.2	Conv. (cfs)		13.2	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		22.38	
Min Ch EI (ft)	7071.40	Shear (lb/sq ft)		0.17	
Alpha	1.00	Stream Power (lb/ft s)		0.22	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		0.12	
C & E Loss (ft)	0.00	Cum SA (acres)		1.12	

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than
	1.4. This may indicate the need for additional cross sections.

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3100 Profile: Q002

E.G. Elev (ft)	7071.28	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7071.27	Reach Len. (ft)	18.67	14.83	9.50
Crit W.S. (ft)		Flow Area (sq ft)		2.53	
E.G. Slope (ft/ft)	0.011444	Area (sq ft)		2.53	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	21.73	Top Width (ft)		21.73	
Vel Total (ft/s)	0.95	Avg. Vel. (ft/s)		0.95	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3100 Profile: Q002 (Continued)

Max Chl Dpth (ft)	0.17	Hydr. Depth (ft)		0.12	
Conv. Total (cfs)	22.4	Conv. (cfs)		22.4	
Length Wtd. (ft)	14.83	Wetted Per. (ft)		21.74	
Min Ch El (ft)	7071.10	Shear (lb/sq ft)		0.08	
Alpha	1.00	Stream Power (lb/ft s)		0.08	
Frctn Loss (ft)	0.18	Cum Volume (acre-ft)		0.12	
C & E Loss (ft)	0.00	Cum SA (acres)		1.12	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3085.17* Profile: Q002

E.G. Elev (ft)	7071.11	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7071.09	Reach Len. (ft)	18.67	14.83	9.50
Crit W.S. (ft)		Flow Area (sq ft)		2.45	
E.G. Slope (ft/ft)	0.012524	Area (sq ft)		2.45	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	21.50	Top Width (ft)		21.50	
Vel Total (ft/s)	0.98	Avg. Vel. (ft/s)		0.98	
Max Chl Dpth (ft)	0.17	Hydr. Depth (ft)		0.11	
Conv. Total (cfs)	21.4	Conv. (cfs)		21.4	
Length Wtd. (ft)	14.83	Wetted Per. (ft)		21.51	
Min Ch El (ft)	7070.92	Shear (lb/sq ft)		0.09	
Alpha	1.00	Stream Power (lb/ft s)		0.09	
Frctn Loss (ft)	0.18	Cum Volume (acre-ft)		0.12	
C & E Loss (ft)	0.00	Cum SA (acres)		1.11	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3070.33* Profile: Q002

E.G. Elev (ft)	7070.92	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7070.90	Reach Len. (ft)	18.67	14.83	9.50
Crit W.S. (ft)		Flow Area (sq ft)		2.43	
E.G. Slope (ft/ft)	0.012309	Area (sq ft)		2.43	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	20.76	Top Width (ft)		20.76	
Vel Total (ft/s)	0.99	Avg. Vel. (ft/s)		0.99	
Max Chl Dpth (ft)	0.17	Hydr. Depth (ft)		0.12	
Conv. Total (cfs)	21.6	Conv. (cfs)		21.6	
Length Wtd. (ft)	14.83	Wetted Per. (ft)		20.77	
Min Ch El (ft)	7070.73	Shear (lb/sq ft)		0.09	
Alpha	1.00	Stream Power (lb/ft s)		0.09	
Frctn Loss (ft)	0.19	Cum Volume (acre-ft)		0.11	
C & E Loss (ft)	0.00	Cum SA (acres)		1.10	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3055.50* Profile: Q002

E.G. Elev (ft)	7070.73	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7070.72	Reach Len. (ft)	18.67	14.83	9.50
Crit W.S. (ft)		Flow Area (sq ft)		2.42	
E.G. Slope (ft/ft)	0.012774	Area (sq ft)		2.42	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	21.07	Top Width (ft)		21.07	
Vel Total (ft/s)	0.99	Avg. Vel. (ft/s)		0.99	
Max Chl Dpth (ft)	0.17	Hydr. Depth (ft)		0.11	
Conv. Total (cfs)	21.2	Conv. (cfs)		21.2	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3055.50* Profile: Q002 (Continued)

Length Wtd. (ft)	14.83	Wetted Per. (ft)		21.08	
Min Ch El (ft)	7070.55	Shear (lb/sq ft)		0.09	
Alpha	1.00	Stream Power (lb/ft s)		0.09	
Frctn Loss (ft)	0.19	Cum Volume (acre-ft)		0.11	
C & E Loss (ft)	0.00	Cum SA (acres)		1.09	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3040.67* Profile: Q002

E.G. Elev (ft)	7070.55	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7070.53	Reach Len. (ft)	18.67	14.83	9.50
Crit W.S. (ft)		Flow Area (sq ft)		2.44	
E.G. Slope (ft/ft)	0.012888	Area (sq ft)		2.44	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	21.64	Top Width (ft)		21.64	
Vel Total (ft/s)	0.98	Avg. Vel. (ft/s)		0.98	
Max Chl Dpth (ft)	0.16	Hydr. Depth (ft)		0.11	
Conv. Total (cfs)	21.1	Conv. (cfs)		21.1	
Length Wtd. (ft)	14.83	Wetted Per. (ft)		21.65	
Min Ch El (ft)	7070.37	Shear (lb/sq ft)		0.09	
Alpha	1.00	Stream Power (lb/ft s)		0.09	
Frctn Loss (ft)	0.19	Cum Volume (acre-ft)		0.11	
C & E Loss (ft)	0.00	Cum SA (acres)		1.09	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3025.83* Profile: Q002

E.G. Elev (ft)	7070.36	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7070.34	Reach Len. (ft)	18.67	14.83	9.50
Crit W.S. (ft)		Flow Area (sq ft)		2.45	
E.G. Slope (ft/ft)	0.013256	Area (sq ft)		2.45	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	22.31	Top Width (ft)		22.31	
Vel Total (ft/s)	0.98	Avg. Vel. (ft/s)		0.98	
Max Chl Dpth (ft)	0.16	Hydr. Depth (ft)		0.11	
Conv. Total (cfs)	20.8	Conv. (cfs)		20.8	
Length Wtd. (ft)	14.83	Wetted Per. (ft)		22.32	
Min Ch El (ft)	7070.18	Shear (lb/sq ft)		0.09	
Alpha	1.00	Stream Power (lb/ft s)		0.09	
Frctn Loss (ft)	0.18	Cum Volume (acre-ft)		0.11	
C & E Loss (ft)	0.00	Cum SA (acres)		1.08	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3011 Profile: Q002

E.G. Elev (ft)	7070.18	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7070.17	Reach Len. (ft)	26.50	31.00	33.50
Crit W.S. (ft)		Flow Area (sq ft)		2.60	
E.G. Slope (ft/ft)	0.011406	Area (sq ft)		2.60	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	23.18	Top Width (ft)		23.18	
Vel Total (ft/s)	0.92	Avg. Vel. (ft/s)		0.92	
Max Chl Dpth (ft)	0.17	Hydr. Depth (ft)		0.11	
Conv. Total (cfs)	22.5	Conv. (cfs)		22.5	
Length Wtd. (ft)	31.00	Wetted Per. (ft)		23.19	
Min Ch El (ft)	7070.00	Shear (lb/sq ft)		0.08	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3011 Profile: Q002 (Continued)

Alpha	1.00	Stream Power (lb/ft s)		0.07	
Frctn Loss (ft)	0.46	Cum Volume (acre-ft)		0.11	
C & E Loss (ft)	0.00	Cum SA (acres)		1.07	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2980.00* Profile: Q002

E.G. Elev (ft)	7069.71	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7069.69	Reach Len. (ft)	26.50	31.00	33.50
Crit W.S. (ft)		Flow Area (sq ft)		2.19	
E.G. Slope (ft/ft)	0.020184	Area (sq ft)		2.19	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	23.05	Top Width (ft)		23.05	
Vel Total (ft/s)	1.10	Avg. Vel. (ft/s)		1.10	
Max Chl Dpth (ft)	0.14	Hydr. Depth (ft)		0.09	
Conv. Total (cfs)	16.9	Conv. (cfs)		16.9	
Length Wtd. (ft)	31.00	Wetted Per. (ft)		23.06	
Min Ch El (ft)	7069.55	Shear (lb/sq ft)		0.12	
Alpha	1.00	Stream Power (lb/ft s)		0.13	
Frctn Loss (ft)	0.45	Cum Volume (acre-ft)		0.11	
C & E Loss (ft)	0.00	Cum SA (acres)		1.06	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2949.00* Profile: Q002

E.G. Elev (ft)	7069.27	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7069.26	Reach Len. (ft)	26.50	31.00	33.50
Crit W.S. (ft)		Flow Area (sq ft)		2.69	
E.G. Slope (ft/ft)	0.010745	Area (sq ft)		2.69	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	24.14	Top Width (ft)		24.14	
Vel Total (ft/s)	0.89	Avg. Vel. (ft/s)		0.89	
Max Chl Dpth (ft)	0.16	Hydr. Depth (ft)		0.11	
Conv. Total (cfs)	23.2	Conv. (cfs)		23.2	
Length Wtd. (ft)	31.00	Wetted Per. (ft)		24.15	
Min Ch El (ft)	7069.10	Shear (lb/sq ft)		0.07	
Alpha	1.00	Stream Power (lb/ft s)		0.07	
Frctn Loss (ft)	0.47	Cum Volume (acre-ft)		0.11	
C & E Loss (ft)	0.00	Cum SA (acres)		1.04	

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2918.00* Profile: Q002

E.G. Elev (ft)	7068.80	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7068.78	Reach Len. (ft)	26.50	31.00	33.50
Crit W.S. (ft)		Flow Area (sq ft)		2.20	
E.G. Slope (ft/ft)	0.022508	Area (sq ft)		2.20	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	25.45	Top Width (ft)		25.45	
Vel Total (ft/s)	1.09	Avg. Vel. (ft/s)		1.09	
Max Chl Dpth (ft)	0.13	Hydr. Depth (ft)		0.09	
Conv. Total (cfs)	16.0	Conv. (cfs)		16.0	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2918.00* Profile: Q002 (Continued)

Length Wtd. (ft)	31.00	Wetted Per. (ft)		25.45	
Min Ch El (ft)	7068.65	Shear (lb/sq ft)		0.12	
Alpha	1.00	Stream Power (lb/ft s)		0.13	
Frctn Loss (ft)	0.47	Cum Volume (acre-ft)		0.11	
C & E Loss (ft)	0.00	Cum SA (acres)		1.02	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2887 Profile: Q002

E.G. Elev (ft)	7068.33	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7068.33	Reach Len. (ft)	31.40	29.40	30.40
Crit W.S. (ft)		Flow Area (sq ft)		3.43	
E.G. Slope (ft/ft)	0.011041	Area (sq ft)		3.43	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	45.20	Top Width (ft)		45.20	
Vel Total (ft/s)	0.70	Avg. Vel. (ft/s)		0.70	
Max Chl Dpth (ft)	0.13	Hydr. Depth (ft)		0.08	
Conv. Total (cfs)	22.8	Conv. (cfs)		22.8	
Length Wtd. (ft)	29.40	Wetted Per. (ft)		45.21	
Min Ch El (ft)	7068.20	Shear (lb/sq ft)		0.05	
Alpha	1.00	Stream Power (lb/ft s)		0.04	
Frctn Loss (ft)	0.41	Cum Volume (acre-ft)		0.10	
C & E Loss (ft)	0.00	Cum SA (acres)		1.00	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2857.60* Profile: Q002

E.G. Elev (ft)	7067.92	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7067.90	Reach Len. (ft)	31.40	29.40	30.40
Crit W.S. (ft)		Flow Area (sq ft)		2.46	
E.G. Slope (ft/ft)	0.018194	Area (sq ft)		2.46	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	28.57	Top Width (ft)		28.57	
Vel Total (ft/s)	0.98	Avg. Vel. (ft/s)		0.98	
Max Chl Dpth (ft)	0.14	Hydr. Depth (ft)		0.09	
Conv. Total (cfs)	17.8	Conv. (cfs)		17.8	
Length Wtd. (ft)	29.40	Wetted Per. (ft)		28.57	
Min Ch El (ft)	7067.76	Shear (lb/sq ft)		0.10	
Alpha	1.00	Stream Power (lb/ft s)		0.10	
Frctn Loss (ft)	0.44	Cum Volume (acre-ft)		0.10	
C & E Loss (ft)	0.00	Cum SA (acres)		0.97	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2828.20* Profile: Q002

E.G. Elev (ft)	7067.49	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7067.47	Reach Len. (ft)	31.40	29.40	30.40
Crit W.S. (ft)		Flow Area (sq ft)		2.69	
E.G. Slope (ft/ft)	0.012280	Area (sq ft)		2.69	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	26.60	Top Width (ft)		26.60	
Vel Total (ft/s)	0.89	Avg. Vel. (ft/s)		0.89	
Max Chl Dpth (ft)	0.15	Hydr. Depth (ft)		0.10	
Conv. Total (cfs)	21.7	Conv. (cfs)		21.7	
Length Wtd. (ft)	29.40	Wetted Per. (ft)		26.60	
Min Ch El (ft)	7067.32	Shear (lb/sq ft)		0.08	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2828.20* Profile: Q002 (Continued)

Alpha	1.00	Stream Power (lb/ft s)		0.07	
Frctn Loss (ft)	0.45	Cum Volume (acre-ft)		0.10	
C & E Loss (ft)	0.00	Cum SA (acres)		0.95	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2798.80* Profile: Q002

E.G. Elev (ft)	7067.03	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7067.01	Reach Len. (ft)	31.40	29.40	30.40
Crit W.S. (ft)		Flow Area (sq ft)		2.34	
E.G. Slope (ft/ft)	0.019550	Area (sq ft)		2.34	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	26.68	Top Width (ft)		26.68	
Vel Total (ft/s)	1.03	Avg. Vel. (ft/s)		1.03	
Max Chl Dpth (ft)	0.13	Hydr. Depth (ft)		0.09	
Conv. Total (cfs)	17.2	Conv. (cfs)		17.2	
Length Wtd. (ft)	29.40	Wetted Per. (ft)		26.68	
Min Ch El (ft)	7066.88	Shear (lb/sq ft)		0.11	
Alpha	1.00	Stream Power (lb/ft s)		0.11	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		0.10	
C & E Loss (ft)	0.00	Cum SA (acres)		0.93	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2769.40* Profile: Q002

E.G. Elev (ft)	7066.60	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7066.58	Reach Len. (ft)	31.40	29.40	30.40
Crit W.S. (ft)	7066.55	Flow Area (sq ft)		2.88	
E.G. Slope (ft/ft)	0.011439	Area (sq ft)		2.88	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	30.05	Top Width (ft)		30.05	
Vel Total (ft/s)	0.83	Avg. Vel. (ft/s)		0.83	
Max Chl Dpth (ft)	0.14	Hydr. Depth (ft)		0.10	
Conv. Total (cfs)	22.4	Conv. (cfs)		22.4	
Length Wtd. (ft)	29.40	Wetted Per. (ft)		30.05	
Min Ch El (ft)	7066.44	Shear (lb/sq ft)		0.07	
Alpha	1.00	Stream Power (lb/ft s)		0.06	
Frctn Loss (ft)	0.45	Cum Volume (acre-ft)		0.10	
C & E Loss (ft)	0.00	Cum SA (acres)		0.92	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2740 Profile: Q002

E.G. Elev (ft)	7066.15	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7066.13	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		2.44	
E.G. Slope (ft/ft)	0.021477	Area (sq ft)		2.44	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	31.82	Top Width (ft)		31.82	
Vel Total (ft/s)	0.98	Avg. Vel. (ft/s)		0.98	
Max Chl Dpth (ft)	0.13	Hydr. Depth (ft)		0.08	
Conv. Total (cfs)	16.4	Conv. (cfs)		16.4	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		31.83	
Min Ch El (ft)	7066.00	Shear (lb/sq ft)		0.10	
Alpha	1.00	Stream Power (lb/ft s)		0.10	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		0.09	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2740 Profile: Q002 (Continued)

C & E Loss (ft)	0.00	Cum SA (acres)		0.89	
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2720.00* Profile: Q002

E.G. Elev (ft)	7065.72	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7065.70	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		2.38	
E.G. Slope (ft/ft)	0.021725	Area (sq ft)		2.38	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	30.19	Top Width (ft)		30.19	
Vel Total (ft/s)	1.01	Avg. Vel. (ft/s)		1.01	
Max Chl Dpth (ft)	0.13	Hydr. Depth (ft)		0.08	
Conv. Total (cfs)	16.3	Conv. (cfs)		16.3	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		30.19	
Min Ch El (ft)	7065.57	Shear (lb/sq ft)		0.11	
Alpha	1.00	Stream Power (lb/ft s)		0.11	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		0.09	
C & E Loss (ft)	0.00	Cum SA (acres)		0.88	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2700.00* Profile: Q002

E.G. Elev (ft)	7065.29	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7065.27	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		2.31	
E.G. Slope (ft/ft)	0.021440	Area (sq ft)		2.31	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	27.74	Top Width (ft)		27.74	
Vel Total (ft/s)	1.04	Avg. Vel. (ft/s)		1.04	
Max Chl Dpth (ft)	0.14	Hydr. Depth (ft)		0.08	
Conv. Total (cfs)	16.4	Conv. (cfs)		16.4	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		27.74	
Min Ch El (ft)	7065.13	Shear (lb/sq ft)		0.11	
Alpha	1.00	Stream Power (lb/ft s)		0.12	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		0.09	
C & E Loss (ft)	0.00	Cum SA (acres)		0.87	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2680.00* Profile: Q002

E.G. Elev (ft)	7064.86	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7064.85	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		2.24	
E.G. Slope (ft/ft)	0.021748	Area (sq ft)		2.24	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	26.01	Top Width (ft)		26.01	
Vel Total (ft/s)	1.07	Avg. Vel. (ft/s)		1.07	
Max Chl Dpth (ft)	0.14	Hydr. Depth (ft)		0.09	
Conv. Total (cfs)	16.3	Conv. (cfs)		16.3	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		26.01	
Min Ch El (ft)	7064.70	Shear (lb/sq ft)		0.12	
Alpha	1.00	Stream Power (lb/ft s)		0.13	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		0.09	
C & E Loss (ft)	0.00	Cum SA (acres)		0.85	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2660.00* Profile: Q002

E.G. Elev (ft)	7064.44	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7064.42	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		2.23	
E.G. Slope (ft/ft)	0.020907	Area (sq ft)		2.23	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	24.75	Top Width (ft)		24.75	
Vel Total (ft/s)	1.08	Avg. Vel. (ft/s)		1.08	
Max Chl Dpth (ft)	0.15	Hydr. Depth (ft)		0.09	
Conv. Total (cfs)	16.6	Conv. (cfs)		16.6	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		24.75	
Min Ch El (ft)	7064.27	Shear (lb/sq ft)		0.12	
Alpha	1.00	Stream Power (lb/ft s)		0.13	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		0.09	
C & E Loss (ft)	0.00	Cum SA (acres)		0.84	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2640.00* Profile: Q002

E.G. Elev (ft)	7064.01	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7063.99	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		2.14	
E.G. Slope (ft/ft)	0.021629	Area (sq ft)		2.14	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	22.90	Top Width (ft)		22.90	
Vel Total (ft/s)	1.12	Avg. Vel. (ft/s)		1.12	
Max Chl Dpth (ft)	0.16	Hydr. Depth (ft)		0.09	
Conv. Total (cfs)	16.3	Conv. (cfs)		16.3	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		22.90	
Min Ch El (ft)	7063.83	Shear (lb/sq ft)		0.13	
Alpha	1.00	Stream Power (lb/ft s)		0.14	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		0.09	
C & E Loss (ft)	0.00	Cum SA (acres)		0.83	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2620.00* Profile: Q002

E.G. Elev (ft)	7063.59	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7063.57	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		2.10	
E.G. Slope (ft/ft)	0.021018	Area (sq ft)		2.10	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	21.56	Top Width (ft)		21.56	
Vel Total (ft/s)	1.14	Avg. Vel. (ft/s)		1.14	
Max Chl Dpth (ft)	0.17	Hydr. Depth (ft)		0.10	
Conv. Total (cfs)	16.6	Conv. (cfs)		16.6	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		21.56	
Min Ch El (ft)	7063.40	Shear (lb/sq ft)		0.13	
Alpha	1.00	Stream Power (lb/ft s)		0.15	
Frctn Loss (ft)	0.42	Cum Volume (acre-ft)		0.09	
C & E Loss (ft)	0.00	Cum SA (acres)		0.82	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2600.00* Profile: Q002

E.G. Elev (ft)	7063.16	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7063.14	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		2.06	
E.G. Slope (ft/ft)	0.020625	Area (sq ft)		2.06	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	20.29	Top Width (ft)		20.29	
Vel Total (ft/s)	1.16	Avg. Vel. (ft/s)		1.16	
Max Chl Dpth (ft)	0.17	Hydr. Depth (ft)		0.10	
Conv. Total (cfs)	16.7	Conv. (cfs)		16.7	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		20.29	
Min Ch El (ft)	7062.97	Shear (lb/sq ft)		0.13	
Alpha	1.00	Stream Power (lb/ft s)		0.15	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		0.09	
C & E Loss (ft)	0.00	Cum SA (acres)		0.81	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2580.00* Profile: Q002

E.G. Elev (ft)	7062.73	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7062.71	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		1.95	
E.G. Slope (ft/ft)	0.022092	Area (sq ft)		1.95	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	18.61	Top Width (ft)		18.61	
Vel Total (ft/s)	1.23	Avg. Vel. (ft/s)		1.23	
Max Chl Dpth (ft)	0.18	Hydr. Depth (ft)		0.10	
Conv. Total (cfs)	16.1	Conv. (cfs)		16.1	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		18.61	
Min Ch El (ft)	7062.53	Shear (lb/sq ft)		0.14	
Alpha	1.00	Stream Power (lb/ft s)		0.18	
Frctn Loss (ft)	0.42	Cum Volume (acre-ft)		0.09	
C & E Loss (ft)	0.00	Cum SA (acres)		0.80	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2560.00* Profile: Q002

E.G. Elev (ft)	7062.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7062.29	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		1.99	
E.G. Slope (ft/ft)	0.019714	Area (sq ft)		1.99	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	17.93	Top Width (ft)		17.93	
Vel Total (ft/s)	1.20	Avg. Vel. (ft/s)		1.20	
Max Chl Dpth (ft)	0.19	Hydr. Depth (ft)		0.11	
Conv. Total (cfs)	17.1	Conv. (cfs)		17.1	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		17.94	
Min Ch El (ft)	7062.10	Shear (lb/sq ft)		0.14	
Alpha	1.00	Stream Power (lb/ft s)		0.16	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		0.09	
C & E Loss (ft)	0.00	Cum SA (acres)		0.79	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2540.00* Profile: Q002

E.G. Elev (ft)	7061.89	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7061.87	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		1.84	
E.G. Slope (ft/ft)	0.023038	Area (sq ft)		1.84	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	16.64	Top Width (ft)		16.64	
Vel Total (ft/s)	1.30	Avg. Vel. (ft/s)		1.30	
Max Chl Dpth (ft)	0.20	Hydr. Depth (ft)		0.11	
Conv. Total (cfs)	15.8	Conv. (cfs)		15.8	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		16.65	
Min Ch El (ft)	7061.67	Shear (lb/sq ft)		0.16	
Alpha	1.00	Stream Power (lb/ft s)		0.21	
Frctn Loss (ft)	0.42	Cum Volume (acre-ft)		0.09	
C & E Loss (ft)	0.00	Cum SA (acres)		0.79	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2520.00* Profile: Q002

E.G. Elev (ft)	7061.48	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7061.45	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		1.96	
E.G. Slope (ft/ft)	0.019115	Area (sq ft)		1.96	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	16.86	Top Width (ft)		16.86	
Vel Total (ft/s)	1.22	Avg. Vel. (ft/s)		1.22	
Max Chl Dpth (ft)	0.22	Hydr. Depth (ft)		0.12	
Conv. Total (cfs)	17.4	Conv. (cfs)		17.4	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		16.87	
Min Ch El (ft)	7061.23	Shear (lb/sq ft)		0.14	
Alpha	1.00	Stream Power (lb/ft s)		0.17	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		0.08	
C & E Loss (ft)	0.00	Cum SA (acres)		0.78	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2500 Profile: Q002

E.G. Elev (ft)	7061.06	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7061.03	Reach Len. (ft)	28.66	29.02	29.34
Crit W.S. (ft)		Flow Area (sq ft)		1.76	
E.G. Slope (ft/ft)	0.024310	Area (sq ft)		1.76	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	15.33	Top Width (ft)		15.33	
Vel Total (ft/s)	1.37	Avg. Vel. (ft/s)		1.37	
Max Chl Dpth (ft)	0.23	Hydr. Depth (ft)		0.11	
Conv. Total (cfs)	15.4	Conv. (cfs)		15.4	
Length Wtd. (ft)	29.02	Wetted Per. (ft)		15.34	
Min Ch El (ft)	7060.80	Shear (lb/sq ft)		0.17	
Alpha	1.00	Stream Power (lb/ft s)		0.24	
Frctn Loss (ft)	0.64	Cum Volume (acre-ft)		0.08	
C & E Loss (ft)	0.00	Cum SA (acres)		0.77	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2471.00* Profile: Q002

E.G. Elev (ft)	7060.41	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7060.39	Reach Len. (ft)	28.66	29.02	29.34
Crit W.S. (ft)		Flow Area (sq ft)		1.89	
E.G. Slope (ft/ft)	0.019851	Area (sq ft)		1.89	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	15.75	Top Width (ft)		15.75	
Vel Total (ft/s)	1.27	Avg. Vel. (ft/s)		1.27	
Max Chl Dpth (ft)	0.24	Hydr. Depth (ft)		0.12	
Conv. Total (cfs)	17.0	Conv. (cfs)		17.0	
Length Wtd. (ft)	29.02	Wetted Per. (ft)		15.76	
Min Ch El (ft)	7060.15	Shear (lb/sq ft)		0.15	
Alpha	1.00	Stream Power (lb/ft s)		0.19	
Frctn Loss (ft)	0.66	Cum Volume (acre-ft)		0.08	
C & E Loss (ft)	0.00	Cum SA (acres)		0.76	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2442.00* Profile: Q002

E.G. Elev (ft)	7059.75	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7059.72	Reach Len. (ft)	28.66	29.02	29.34
Crit W.S. (ft)		Flow Area (sq ft)		1.69	
E.G. Slope (ft/ft)	0.026689	Area (sq ft)		1.69	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	14.97	Top Width (ft)		14.97	
Vel Total (ft/s)	1.42	Avg. Vel. (ft/s)		1.42	
Max Chl Dpth (ft)	0.22	Hydr. Depth (ft)		0.11	
Conv. Total (cfs)	14.7	Conv. (cfs)		14.7	
Length Wtd. (ft)	29.02	Wetted Per. (ft)		14.98	
Min Ch El (ft)	7059.50	Shear (lb/sq ft)		0.19	
Alpha	1.00	Stream Power (lb/ft s)		0.27	
Frctn Loss (ft)	0.64	Cum Volume (acre-ft)		0.08	
C & E Loss (ft)	0.00	Cum SA (acres)		0.75	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2413.00* Profile: Q002

E.G. Elev (ft)	7059.11	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7059.08	Reach Len. (ft)	28.66	29.02	29.34
Crit W.S. (ft)		Flow Area (sq ft)		1.87	
E.G. Slope (ft/ft)	0.018739	Area (sq ft)		1.87	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	14.70	Top Width (ft)		14.70	
Vel Total (ft/s)	1.28	Avg. Vel. (ft/s)		1.28	
Max Chl Dpth (ft)	0.23	Hydr. Depth (ft)		0.13	
Conv. Total (cfs)	17.5	Conv. (cfs)		17.5	
Length Wtd. (ft)	29.02	Wetted Per. (ft)		14.71	
Min Ch El (ft)	7058.85	Shear (lb/sq ft)		0.15	
Alpha	1.00	Stream Power (lb/ft s)		0.19	
Frctn Loss (ft)	0.66	Cum Volume (acre-ft)		0.08	
C & E Loss (ft)	0.00	Cum SA (acres)		0.74	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2384.00* Profile: Q002

E.G. Elev (ft)	7058.44	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.040	
W.S. Elev (ft)	7058.41	Reach Len. (ft)	28.66	29.02	29.34
Crit W.S. (ft)		Flow Area (sq ft)		1.57	
E.G. Slope (ft/ft)	0.027871	Area (sq ft)		1.57	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	12.91	Top Width (ft)		12.91	
Vel Total (ft/s)	1.52	Avg. Vel. (ft/s)		1.52	
Max Chl Dpth (ft)	0.21	Hydr. Depth (ft)		0.12	
Conv. Total (cfs)	14.4	Conv. (cfs)		14.4	
Length Wtd. (ft)	29.02	Wetted Per. (ft)		12.92	
Min Ch El (ft)	7058.20	Shear (lb/sq ft)		0.21	
Alpha	1.00	Stream Power (lb/ft s)		0.32	
Frctn Loss (ft)	0.64	Cum Volume (acre-ft)		0.08	
C & E Loss (ft)	0.00	Cum SA (acres)		0.73	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2355.00* Profile: Q002

E.G. Elev (ft)	7057.80	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7057.77	Reach Len. (ft)	28.66	29.02	29.34
Crit W.S. (ft)		Flow Area (sq ft)		1.73	
E.G. Slope (ft/ft)	0.017896	Area (sq ft)		1.73	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	11.76	Top Width (ft)		11.76	
Vel Total (ft/s)	1.38	Avg. Vel. (ft/s)		1.38	
Max Chl Dpth (ft)	0.22	Hydr. Depth (ft)		0.15	
Conv. Total (cfs)	17.9	Conv. (cfs)		17.9	
Length Wtd. (ft)	29.02	Wetted Per. (ft)		11.78	
Min Ch El (ft)	7057.55	Shear (lb/sq ft)		0.16	
Alpha	1.00	Stream Power (lb/ft s)		0.23	
Frctn Loss (ft)	0.66	Cum Volume (acre-ft)		0.08	
C & E Loss (ft)	0.00	Cum SA (acres)		0.72	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2326 Profile: Q002

E.G. Elev (ft)	7057.15	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.040	
W.S. Elev (ft)	7057.10	Reach Len. (ft)	21.60	27.80	28.00
Crit W.S. (ft)		Flow Area (sq ft)		1.40	
E.G. Slope (ft/ft)	0.029662	Area (sq ft)		1.40	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	10.07	Top Width (ft)		10.07	
Vel Total (ft/s)	1.71	Avg. Vel. (ft/s)		1.71	
Max Chl Dpth (ft)	0.20	Hydr. Depth (ft)		0.14	
Conv. Total (cfs)	13.9	Conv. (cfs)		13.9	
Length Wtd. (ft)	27.80	Wetted Per. (ft)		10.09	
Min Ch El (ft)	7056.90	Shear (lb/sq ft)		0.26	
Alpha	1.00	Stream Power (lb/ft s)		0.44	
Frctn Loss (ft)	0.58	Cum Volume (acre-ft)		0.08	
C & E Loss (ft)	0.01	Cum SA (acres)		0.72	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2298.20* Profile: Q002

E.G. Elev (ft)	7056.57	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7056.54	Reach Len. (ft)	21.60	27.80	28.00
Crit W.S. (ft)		Flow Area (sq ft)		1.82	
E.G. Slope (ft/ft)	0.015433	Area (sq ft)		1.82	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	11.89	Top Width (ft)		11.89	
Vel Total (ft/s)	1.32	Avg. Vel. (ft/s)		1.32	
Max Chl Dpth (ft)	0.22	Hydr. Depth (ft)		0.15	
Conv. Total (cfs)	19.3	Conv. (cfs)		19.3	
Length Wtd. (ft)	27.80	Wetted Per. (ft)		11.91	
Min Ch El (ft)	7056.32	Shear (lb/sq ft)		0.15	
Alpha	1.00	Stream Power (lb/ft s)		0.19	
Frctn Loss (ft)	0.61	Cum Volume (acre-ft)		0.08	
C & E Loss (ft)	0.00	Cum SA (acres)		0.71	

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2270.40* Profile: Q002

E.G. Elev (ft)	7055.96	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.040	
W.S. Elev (ft)	7055.92	Reach Len. (ft)	21.60	27.80	28.00
Crit W.S. (ft)	7055.90	Flow Area (sq ft)		1.48	
E.G. Slope (ft/ft)	0.033505	Area (sq ft)		1.48	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	12.76	Top Width (ft)		12.76	
Vel Total (ft/s)	1.62	Avg. Vel. (ft/s)		1.62	
Max Chl Dpth (ft)	0.18	Hydr. Depth (ft)		0.12	
Conv. Total (cfs)	13.1	Conv. (cfs)		13.1	
Length Wtd. (ft)	27.80	Wetted Per. (ft)		12.77	
Min Ch El (ft)	7055.74	Shear (lb/sq ft)		0.24	
Alpha	1.00	Stream Power (lb/ft s)		0.39	
Frctn Loss (ft)	0.56	Cum Volume (acre-ft)		0.07	
C & E Loss (ft)	0.01	Cum SA (acres)		0.70	

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2242.60* Profile: Q002

E.G. Elev (ft)	7055.39	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7055.37	Reach Len. (ft)	21.60	27.80	28.00
Crit W.S. (ft)		Flow Area (sq ft)		2.08	
E.G. Slope (ft/ft)	0.013389	Area (sq ft)		2.08	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	14.92	Top Width (ft)		14.92	
Vel Total (ft/s)	1.15	Avg. Vel. (ft/s)		1.15	
Max Chl Dpth (ft)	0.21	Hydr. Depth (ft)		0.14	
Conv. Total (cfs)	20.7	Conv. (cfs)		20.7	
Length Wtd. (ft)	27.80	Wetted Per. (ft)		14.93	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2242.60* Profile: Q002 (Continued)

Min Ch El (ft)	7055.16	Shear (lb/sq ft)		0.12	
Alpha	1.00	Stream Power (lb/ft s)		0.13	
Frctn Loss (ft)	0.61	Cum Volume (acre-ft)		0.07	
C & E Loss (ft)	0.00	Cum SA (acres)		0.69	

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2214.80* Profile: Q002

E.G. Elev (ft)	7054.78	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.040	
W.S. Elev (ft)	7054.74	Reach Len. (ft)	21.60	27.80	28.00
Crit W.S. (ft)	7054.73	Flow Area (sq ft)		1.47	
E.G. Slope (ft/ft)	0.042059	Area (sq ft)		1.47	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	14.82	Top Width (ft)		14.82	
Vel Total (ft/s)	1.63	Avg. Vel. (ft/s)		1.63	
Max Chl Dpth (ft)	0.16	Hydr. Depth (ft)		0.10	
Conv. Total (cfs)	11.7	Conv. (cfs)		11.7	
Length Wtd. (ft)	27.80	Wetted Per. (ft)		14.83	
Min Ch El (ft)	7054.58	Shear (lb/sq ft)		0.26	
Alpha	1.00	Stream Power (lb/ft s)		0.42	
Frctn Loss (ft)	0.59	Cum Volume (acre-ft)		0.07	
C & E Loss (ft)	0.01	Cum SA (acres)		0.68	

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2187 Profile: Q002

E.G. Elev (ft)	7054.18	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7054.17	Reach Len. (ft)	30.40	28.40	26.60
Crit W.S. (ft)		Flow Area (sq ft)		2.67	
E.G. Slope (ft/ft)	0.012695	Area (sq ft)		2.67	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	26.83	Top Width (ft)		26.83	
Vel Total (ft/s)	0.90	Avg. Vel. (ft/s)		0.90	
Max Chl Dpth (ft)	0.17	Hydr. Depth (ft)		0.10	
Conv. Total (cfs)	21.3	Conv. (cfs)		21.3	
Length Wtd. (ft)	28.40	Wetted Per. (ft)		26.83	
Min Ch El (ft)	7054.00	Shear (lb/sq ft)		0.08	
Alpha	1.00	Stream Power (lb/ft s)		0.07	
Frctn Loss (ft)	0.39	Cum Volume (acre-ft)		0.07	
C & E Loss (ft)	0.00	Cum SA (acres)		0.67	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2158.60* Profile: Q002

E.G. Elev (ft)	7053.79	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7053.78	Reach Len. (ft)	30.40	28.40	26.60
Crit W.S. (ft)		Flow Area (sq ft)		2.53	
E.G. Slope (ft/ft)	0.014700	Area (sq ft)		2.53	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2158.60* Profile: Q002 (Continued)

Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	26.30	Top Width (ft)		26.30	
Vel Total (ft/s)	0.95	Avg. Vel. (ft/s)		0.95	
Max Chl Dpth (ft)	0.18	Hydr. Depth (ft)		0.10	
Conv. Total (cfs)	19.8	Conv. (cfs)		19.8	
Length Wtd. (ft)	28.40	Wetted Per. (ft)		26.30	
Min Ch El (ft)	7053.60	Shear (lb/sq ft)		0.09	
Alpha	1.00	Stream Power (lb/ft s)		0.08	
Frctn Loss (ft)	0.38	Cum Volume (acre-ft)		0.07	
C & E Loss (ft)	0.00	Cum SA (acres)		0.65	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2130.20* Profile: Q002

E.G. Elev (ft)	7053.42	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7053.40	Reach Len. (ft)	30.40	28.40	26.60
Crit W.S. (ft)		Flow Area (sq ft)		2.69	
E.G. Slope (ft/ft)	0.012516	Area (sq ft)		2.69	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	26.92	Top Width (ft)		26.92	
Vel Total (ft/s)	0.89	Avg. Vel. (ft/s)		0.89	
Max Chl Dpth (ft)	0.20	Hydr. Depth (ft)		0.10	
Conv. Total (cfs)	21.5	Conv. (cfs)		21.5	
Length Wtd. (ft)	28.40	Wetted Per. (ft)		26.92	
Min Ch El (ft)	7053.20	Shear (lb/sq ft)		0.08	
Alpha	1.00	Stream Power (lb/ft s)		0.07	
Frctn Loss (ft)	0.39	Cum Volume (acre-ft)		0.07	
C & E Loss (ft)	0.00	Cum SA (acres)		0.64	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2101.80* Profile: Q002

E.G. Elev (ft)	7053.03	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7053.01	Reach Len. (ft)	30.40	28.40	26.60
Crit W.S. (ft)		Flow Area (sq ft)		2.49	
E.G. Slope (ft/ft)	0.015206	Area (sq ft)		2.49	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	25.68	Top Width (ft)		25.68	
Vel Total (ft/s)	0.97	Avg. Vel. (ft/s)		0.97	
Max Chl Dpth (ft)	0.21	Hydr. Depth (ft)		0.10	
Conv. Total (cfs)	19.5	Conv. (cfs)		19.5	
Length Wtd. (ft)	28.40	Wetted Per. (ft)		25.69	
Min Ch El (ft)	7052.80	Shear (lb/sq ft)		0.09	
Alpha	1.00	Stream Power (lb/ft s)		0.09	
Frctn Loss (ft)	0.38	Cum Volume (acre-ft)		0.07	
C & E Loss (ft)	0.00	Cum SA (acres)		0.62	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2073.40* Profile: Q002

E.G. Elev (ft)	7052.65	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7052.64	Reach Len. (ft)	30.40	28.40	26.60
Crit W.S. (ft)	7052.58	Flow Area (sq ft)		2.65	
E.G. Slope (ft/ft)	0.011930	Area (sq ft)		2.65	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	25.23	Top Width (ft)		25.23	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2073.40* Profile: Q002 (Continued)

Vel Total (ft/s)	0.90	Avg. Vel. (ft/s)		0.90	
Max Chl Dpth (ft)	0.24	Hydr. Depth (ft)		0.11	
Conv. Total (cfs)	22.0	Conv. (cfs)		22.0	
Length Wtd. (ft)	28.40	Wetted Per. (ft)		25.23	
Min Ch El (ft)	7052.40	Shear (lb/sq ft)		0.08	
Alpha	1.00	Stream Power (lb/ft s)		0.07	
Frctn Loss (ft)	0.40	Cum Volume (acre-ft)		0.06	
C & E Loss (ft)	0.00	Cum SA (acres)		0.60	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2045 Profile: Q002

E.G. Elev (ft)	7052.26	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7052.24	Reach Len. (ft)	35.80	29.20	28.80
Crit W.S. (ft)		Flow Area (sq ft)		2.28	
E.G. Slope (ft/ft)	0.016631	Area (sq ft)		2.28	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	22.19	Top Width (ft)		22.19	
Vel Total (ft/s)	1.05	Avg. Vel. (ft/s)		1.05	
Max Chl Dpth (ft)	0.24	Hydr. Depth (ft)		0.10	
Conv. Total (cfs)	18.6	Conv. (cfs)		18.6	
Length Wtd. (ft)	29.20	Wetted Per. (ft)		22.20	
Min Ch El (ft)	7052.00	Shear (lb/sq ft)		0.11	
Alpha	1.00	Stream Power (lb/ft s)		0.11	
Frctn Loss (ft)	0.54	Cum Volume (acre-ft)		0.06	
C & E Loss (ft)	0.00	Cum SA (acres)		0.59	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2015.80* Profile: Q002

E.G. Elev (ft)	7051.71	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7051.69	Reach Len. (ft)	35.80	29.20	28.80
Crit W.S. (ft)		Flow Area (sq ft)		2.14	
E.G. Slope (ft/ft)	0.020934	Area (sq ft)		2.14	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	22.37	Top Width (ft)		22.37	
Vel Total (ft/s)	1.12	Avg. Vel. (ft/s)		1.12	
Max Chl Dpth (ft)	0.23	Hydr. Depth (ft)		0.10	
Conv. Total (cfs)	16.6	Conv. (cfs)		16.6	
Length Wtd. (ft)	29.20	Wetted Per. (ft)		22.38	
Min Ch El (ft)	7051.46	Shear (lb/sq ft)		0.12	
Alpha	1.00	Stream Power (lb/ft s)		0.14	
Frctn Loss (ft)	0.53	Cum Volume (acre-ft)		0.06	
C & E Loss (ft)	0.00	Cum SA (acres)		0.57	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1986.60* Profile: Q002

E.G. Elev (ft)	7051.17	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7051.16	Reach Len. (ft)	35.80	29.20	28.80
Crit W.S. (ft)		Flow Area (sq ft)		2.44	
E.G. Slope (ft/ft)	0.016033	Area (sq ft)		2.44	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	25.39	Top Width (ft)		25.39	
Vel Total (ft/s)	0.99	Avg. Vel. (ft/s)		0.99	
Max Chl Dpth (ft)	0.24	Hydr. Depth (ft)		0.10	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1986.60* Profile: Q002 (Continued)

Conv. Total (cfs)	19.0	Conv. (cfs)		19.0	
Length Wtd. (ft)	29.20	Wetted Per. (ft)		25.40	
Min Ch El (ft)	7050.92	Shear (lb/sq ft)		0.10	
Alpha	1.00	Stream Power (lb/ft s)		0.09	
Frctn Loss (ft)	0.55	Cum Volume (acre-ft)		0.06	
C & E Loss (ft)	0.00	Cum SA (acres)		0.56	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1957.40* Profile: Q002

E.G. Elev (ft)	7050.62	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7050.60	Reach Len. (ft)	35.80	29.20	28.80
Crit W.S. (ft)		Flow Area (sq ft)		2.20	
E.G. Slope (ft/ft)	0.022685	Area (sq ft)		2.20	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	25.61	Top Width (ft)		25.61	
Vel Total (ft/s)	1.09	Avg. Vel. (ft/s)		1.09	
Max Chl Dpth (ft)	0.22	Hydr. Depth (ft)		0.09	
Conv. Total (cfs)	15.9	Conv. (cfs)		15.9	
Length Wtd. (ft)	29.20	Wetted Per. (ft)		25.62	
Min Ch El (ft)	7050.38	Shear (lb/sq ft)		0.12	
Alpha	1.00	Stream Power (lb/ft s)		0.13	
Frctn Loss (ft)	0.53	Cum Volume (acre-ft)		0.06	
C & E Loss (ft)	0.00	Cum SA (acres)		0.54	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1928.20* Profile: Q002

E.G. Elev (ft)	7050.08	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7050.07	Reach Len. (ft)	35.80	29.20	28.80
Crit W.S. (ft)	7050.03	Flow Area (sq ft)		2.59	
E.G. Slope (ft/ft)	0.015024	Area (sq ft)		2.59	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	28.19	Top Width (ft)		28.19	
Vel Total (ft/s)	0.93	Avg. Vel. (ft/s)		0.93	
Max Chl Dpth (ft)	0.23	Hydr. Depth (ft)		0.09	
Conv. Total (cfs)	19.6	Conv. (cfs)		19.6	
Length Wtd. (ft)	29.20	Wetted Per. (ft)		28.20	
Min Ch El (ft)	7049.84	Shear (lb/sq ft)		0.09	
Alpha	1.00	Stream Power (lb/ft s)		0.08	
Frctn Loss (ft)	0.56	Cum Volume (acre-ft)		0.06	
C & E Loss (ft)	0.00	Cum SA (acres)		0.52	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1899 Profile: Q002

E.G. Elev (ft)	7049.53	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7049.51	Reach Len. (ft)	45.67	43.00	43.67
Crit W.S. (ft)		Flow Area (sq ft)		2.20	
E.G. Slope (ft/ft)	0.025326	Area (sq ft)		2.20	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	27.81	Top Width (ft)		27.81	
Vel Total (ft/s)	1.09	Avg. Vel. (ft/s)		1.09	
Max Chl Dpth (ft)	0.21	Hydr. Depth (ft)		0.08	
Conv. Total (cfs)	15.1	Conv. (cfs)		15.1	
Length Wtd. (ft)	43.00	Wetted Per. (ft)		27.82	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1899 Profile: Q002 (Continued)

Min Ch El (ft)	7049.30	Shear (lb/sq ft)		0.13	
Alpha	1.00	Stream Power (lb/ft s)		0.14	
Frctn Loss (ft)	0.96	Cum Volume (acre-ft)		0.05	
C & E Loss (ft)	0.00	Cum SA (acres)		0.50	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1856.00* Profile: Q002

E.G. Elev (ft)	7048.58	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7048.56	Reach Len. (ft)	45.67	43.00	43.67
Crit W.S. (ft)		Flow Area (sq ft)		2.35	
E.G. Slope (ft/ft)	0.019686	Area (sq ft)		2.35	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	27.14	Top Width (ft)		27.14	
Vel Total (ft/s)	1.02	Avg. Vel. (ft/s)		1.02	
Max Chl Dpth (ft)	0.19	Hydr. Depth (ft)		0.09	
Conv. Total (cfs)	17.1	Conv. (cfs)		17.1	
Length Wtd. (ft)	43.00	Wetted Per. (ft)		27.14	
Min Ch El (ft)	7048.37	Shear (lb/sq ft)		0.11	
Alpha	1.00	Stream Power (lb/ft s)		0.11	
Frctn Loss (ft)	0.97	Cum Volume (acre-ft)		0.05	
C & E Loss (ft)	0.00	Cum SA (acres)		0.47	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1813.00* Profile: Q002

E.G. Elev (ft)	7047.61	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7047.59	Reach Len. (ft)	45.67	43.00	43.67
Crit W.S. (ft)	7047.57	Flow Area (sq ft)		2.16	
E.G. Slope (ft/ft)	0.026243	Area (sq ft)		2.16	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	27.25	Top Width (ft)		27.25	
Vel Total (ft/s)	1.11	Avg. Vel. (ft/s)		1.11	
Max Chl Dpth (ft)	0.16	Hydr. Depth (ft)		0.08	
Conv. Total (cfs)	14.8	Conv. (cfs)		14.8	
Length Wtd. (ft)	43.00	Wetted Per. (ft)		27.25	
Min Ch El (ft)	7047.43	Shear (lb/sq ft)		0.13	
Alpha	1.00	Stream Power (lb/ft s)		0.14	
Frctn Loss (ft)	0.95	Cum Volume (acre-ft)		0.05	
C & E Loss (ft)	0.00	Cum SA (acres)		0.45	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1770 Profile: Q002

E.G. Elev (ft)	7046.65	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7046.64	Reach Len. (ft)	45.74	45.26	62.76
Crit W.S. (ft)		Flow Area (sq ft)		2.51	
E.G. Slope (ft/ft)	0.019030	Area (sq ft)		2.51	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	31.12	Top Width (ft)		31.12	
Vel Total (ft/s)	0.96	Avg. Vel. (ft/s)		0.96	
Max Chl Dpth (ft)	0.14	Hydr. Depth (ft)		0.08	
Conv. Total (cfs)	17.4	Conv. (cfs)		17.4	
Length Wtd. (ft)	45.26	Wetted Per. (ft)		31.12	
Min Ch El (ft)	7046.50	Shear (lb/sq ft)		0.10	
Alpha	1.00	Stream Power (lb/ft s)		0.09	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1770 Profile: Q002 (Continued)

Frctn Loss (ft)	1.12	Cum Volume (acre-ft)		0.05	
C & E Loss (ft)	0.00	Cum SA (acres)		0.42	

Errors Warnings and Notes

Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1724.75* Profile: Q002

E.G. Elev (ft)	7045.53	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7045.51	Reach Len. (ft)	45.74	45.26	62.76
Crit W.S. (ft)		Flow Area (sq ft)		2.10	
E.G. Slope (ft/ft)	0.033240	Area (sq ft)		2.10	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	30.16	Top Width (ft)		30.16	
Vel Total (ft/s)	1.14	Avg. Vel. (ft/s)		1.14	
Max Chl Dpth (ft)	0.13	Hydr. Depth (ft)		0.07	
Conv. Total (cfs)	13.2	Conv. (cfs)		13.2	
Length Wtd. (ft)	45.26	Wetted Per. (ft)		30.16	
Min Ch EI (ft)	7045.38	Shear (lb/sq ft)		0.14	
Alpha	1.00	Stream Power (lb/ft s)		0.17	
Frctn Loss (ft)	1.11	Cum Volume (acre-ft)		0.05	
C & E Loss (ft)	0.00	Cum SA (acres)		0.39	

Errors Warnings and Notes

Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1679.50* Profile: Q002

E.G. Elev (ft)	7044.43	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7044.41	Reach Len. (ft)	45.74	45.26	62.76
Crit W.S. (ft)		Flow Area (sq ft)		2.48	
E.G. Slope (ft/ft)	0.018910	Area (sq ft)		2.48	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	30.21	Top Width (ft)		30.21	
Vel Total (ft/s)	0.97	Avg. Vel. (ft/s)		0.97	
Max Chl Dpth (ft)	0.16	Hydr. Depth (ft)		0.08	
Conv. Total (cfs)	17.5	Conv. (cfs)		17.5	
Length Wtd. (ft)	45.26	Wetted Per. (ft)		30.21	
Min Ch EI (ft)	7044.25	Shear (lb/sq ft)		0.10	
Alpha	1.00	Stream Power (lb/ft s)		0.09	
Frctn Loss (ft)	1.12	Cum Volume (acre-ft)		0.04	
C & E Loss (ft)	0.00	Cum SA (acres)		0.36	

Errors Warnings and Notes

Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1634.25* Profile: Q002

E.G. Elev (ft)	7043.30	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7043.27	Reach Len. (ft)	45.74	45.26	62.76
Crit W.S. (ft)	7043.26	Flow Area (sq ft)		1.96	
E.G. Slope (ft/ft)	0.033779	Area (sq ft)		1.96	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	25.68	Top Width (ft)		25.68	
Vel Total (ft/s)	1.23	Avg. Vel. (ft/s)		1.23	
Max Chl Dpth (ft)	0.15	Hydr. Depth (ft)		0.08	
Conv. Total (cfs)	13.1	Conv. (cfs)		13.1	
Length Wtd. (ft)	45.26	Wetted Per. (ft)		25.69	
Min Ch El (ft)	7043.12	Shear (lb/sq ft)		0.16	
Alpha	1.00	Stream Power (lb/ft s)		0.20	
Frctn Loss (ft)	1.04	Cum Volume (acre-ft)		0.04	
C & E Loss (ft)	0.00	Cum SA (acres)		0.33	

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1589 Profile: Q002

E.G. Elev (ft)	7042.25	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7042.23	Reach Len. (ft)	32.44	33.58	31.14
Crit W.S. (ft)		Flow Area (sq ft)		4.00	
E.G. Slope (ft/ft)	0.019463	Area (sq ft)		4.00	
Q Total (cfs)	4.90	Flow (cfs)		4.90	
Top Width (ft)	34.77	Top Width (ft)		34.77	
Vel Total (ft/s)	1.23	Avg. Vel. (ft/s)		1.23	
Max Chl Dpth (ft)	0.23	Hydr. Depth (ft)		0.11	
Conv. Total (cfs)	35.1	Conv. (cfs)		35.1	
Length Wtd. (ft)	33.58	Wetted Per. (ft)		34.78	
Min Ch El (ft)	7042.00	Shear (lb/sq ft)		0.14	
Alpha	1.00	Stream Power (lb/ft s)		0.17	
Frctn Loss (ft)	0.59	Cum Volume (acre-ft)		0.04	
C & E Loss (ft)	0.00	Cum SA (acres)		0.30	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1555.43* Profile: Q002

E.G. Elev (ft)	7041.65	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7041.63	Reach Len. (ft)	32.44	33.58	31.14
Crit W.S. (ft)		Flow Area (sq ft)		4.25	
E.G. Slope (ft/ft)	0.016117	Area (sq ft)		4.25	
Q Total (cfs)	4.90	Flow (cfs)		4.90	
Top Width (ft)	35.15	Top Width (ft)		35.15	
Vel Total (ft/s)	1.15	Avg. Vel. (ft/s)		1.15	
Max Chl Dpth (ft)	0.24	Hydr. Depth (ft)		0.12	
Conv. Total (cfs)	38.6	Conv. (cfs)		38.6	
Length Wtd. (ft)	33.58	Wetted Per. (ft)		35.16	
Min Ch El (ft)	7041.39	Shear (lb/sq ft)		0.12	
Alpha	1.00	Stream Power (lb/ft s)		0.14	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1555.43* Profile: Q002 (Continued)

Frctn Loss (ft)	0.62	Cum Volume (acre-ft)		0.03	
C & E Loss (ft)	0.00	Cum SA (acres)		0.27	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1521.86* Profile: Q002

E.G. Elev (ft)	7041.03	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7041.01	Reach Len. (ft)	32.44	33.58	31.14
Crit W.S. (ft)		Flow Area (sq ft)		3.76	
E.G. Slope (ft/ft)	0.021560	Area (sq ft)		3.76	
Q Total (cfs)	4.90	Flow (cfs)		4.90	
Top Width (ft)	32.23	Top Width (ft)		32.23	
Vel Total (ft/s)	1.30	Avg. Vel. (ft/s)		1.30	
Max Chl Dpth (ft)	0.24	Hydr. Depth (ft)		0.12	
Conv. Total (cfs)	33.4	Conv. (cfs)		33.4	
Length Wtd. (ft)	33.58	Wetted Per. (ft)		32.24	
Min Ch EI (ft)	7040.77	Shear (lb/sq ft)		0.16	
Alpha	1.00	Stream Power (lb/ft s)		0.20	
Frctn Loss (ft)	0.61	Cum Volume (acre-ft)		0.03	
C & E Loss (ft)	0.00	Cum SA (acres)		0.24	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1488.29* Profile: Q002

E.G. Elev (ft)	7040.43	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7040.41	Reach Len. (ft)	32.44	33.58	31.14
Crit W.S. (ft)		Flow Area (sq ft)		4.09	
E.G. Slope (ft/ft)	0.015549	Area (sq ft)		4.09	
Q Total (cfs)	4.90	Flow (cfs)		4.90	
Top Width (ft)	31.10	Top Width (ft)		31.10	
Vel Total (ft/s)	1.20	Avg. Vel. (ft/s)		1.20	
Max Chl Dpth (ft)	0.25	Hydr. Depth (ft)		0.13	
Conv. Total (cfs)	39.3	Conv. (cfs)		39.3	
Length Wtd. (ft)	33.58	Wetted Per. (ft)		31.10	
Min Ch EI (ft)	7040.16	Shear (lb/sq ft)		0.13	
Alpha	1.00	Stream Power (lb/ft s)		0.15	
Frctn Loss (ft)	0.62	Cum Volume (acre-ft)		0.03	
C & E Loss (ft)	0.00	Cum SA (acres)		0.22	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1454.71* Profile: Q002

E.G. Elev (ft)	7039.80	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7039.77	Reach Len. (ft)	32.44	33.58	31.14
Crit W.S. (ft)		Flow Area (sq ft)		3.47	
E.G. Slope (ft/ft)	0.022545	Area (sq ft)		3.47	
Q Total (cfs)	4.90	Flow (cfs)		4.90	
Top Width (ft)	27.21	Top Width (ft)		27.21	
Vel Total (ft/s)	1.41	Avg. Vel. (ft/s)		1.41	
Max Chl Dpth (ft)	0.23	Hydr. Depth (ft)		0.13	
Conv. Total (cfs)	32.6	Conv. (cfs)		32.6	
Length Wtd. (ft)	33.58	Wetted Per. (ft)		27.21	
Min Ch EI (ft)	7039.54	Shear (lb/sq ft)		0.18	
Alpha	1.00	Stream Power (lb/ft s)		0.25	
Frctn Loss (ft)	0.61	Cum Volume (acre-ft)		0.03	
C & E Loss (ft)	0.00	Cum SA (acres)		0.20	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1421.14* Profile: Q002

E.G. Elev (ft)	7039.21	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7039.18	Reach Len. (ft)	32.44	33.58	31.14
Crit W.S. (ft)		Flow Area (sq ft)		3.87	
E.G. Slope (ft/ft)	0.014771	Area (sq ft)		3.87	
Q Total (cfs)	4.90	Flow (cfs)		4.90	
Top Width (ft)	26.07	Top Width (ft)		26.07	
Vel Total (ft/s)	1.27	Avg. Vel. (ft/s)		1.27	
Max Chl Dpth (ft)	0.25	Hydr. Depth (ft)		0.15	
Conv. Total (cfs)	40.3	Conv. (cfs)		40.3	
Length Wtd. (ft)	33.58	Wetted Per. (ft)		26.08	
Min Ch El (ft)	7038.93	Shear (lb/sq ft)		0.14	
Alpha	1.00	Stream Power (lb/ft s)		0.17	
Frctn Loss (ft)	0.62	Cum Volume (acre-ft)		0.02	
C & E Loss (ft)	0.00	Cum SA (acres)		0.17	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1387.57* Profile: Q002

E.G. Elev (ft)	7038.58	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.040	
W.S. Elev (ft)	7038.55	Reach Len. (ft)	32.44	33.58	31.14
Crit W.S. (ft)		Flow Area (sq ft)		3.13	
E.G. Slope (ft/ft)	0.024081	Area (sq ft)		3.13	
Q Total (cfs)	4.90	Flow (cfs)		4.90	
Top Width (ft)	22.18	Top Width (ft)		22.18	
Vel Total (ft/s)	1.56	Avg. Vel. (ft/s)		1.56	
Max Chl Dpth (ft)	0.23	Hydr. Depth (ft)		0.14	
Conv. Total (cfs)	31.6	Conv. (cfs)		31.6	
Length Wtd. (ft)	33.58	Wetted Per. (ft)		22.19	
Min Ch El (ft)	7038.31	Shear (lb/sq ft)		0.21	
Alpha	1.00	Stream Power (lb/ft s)		0.33	
Frctn Loss (ft)	0.59	Cum Volume (acre-ft)		0.02	
C & E Loss (ft)	0.00	Cum SA (acres)		0.16	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1354 Profile: Q002

E.G. Elev (ft)	7038.00	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7037.97	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)		Flow Area (sq ft)		3.69	
E.G. Slope (ft/ft)	0.013527	Area (sq ft)		3.69	
Q Total (cfs)	4.90	Flow (cfs)		4.90	
Top Width (ft)	21.63	Top Width (ft)		21.63	
Vel Total (ft/s)	1.33	Avg. Vel. (ft/s)		1.33	
Max Chl Dpth (ft)	0.27	Hydr. Depth (ft)		0.17	
Conv. Total (cfs)	42.1	Conv. (cfs)		42.1	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		21.65	
Min Ch El (ft)	7037.70	Shear (lb/sq ft)		0.14	
Alpha	1.00	Stream Power (lb/ft s)		0.19	
Frctn Loss (ft)	0.25	Cum Volume (acre-ft)		0.02	
C & E Loss (ft)	0.00	Cum SA (acres)		0.14	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1335.88* Profile: Q002

E.G. Elev (ft)	7037.74	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7037.72	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)		Flow Area (sq ft)		3.76	
E.G. Slope (ft/ft)	0.014112	Area (sq ft)		3.76	
Q Total (cfs)	4.90	Flow (cfs)		4.90	
Top Width (ft)	23.46	Top Width (ft)		23.46	
Vel Total (ft/s)	1.30	Avg. Vel. (ft/s)		1.30	
Max Chl Dpth (ft)	0.26	Hydr. Depth (ft)		0.16	
Conv. Total (cfs)	41.2	Conv. (cfs)		41.2	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		23.48	
Min Ch El (ft)	7037.46	Shear (lb/sq ft)		0.14	
Alpha	1.00	Stream Power (lb/ft s)		0.18	
Frctn Loss (ft)	0.26	Cum Volume (acre-ft)		0.02	
C & E Loss (ft)	0.00	Cum SA (acres)		0.13	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1317.75* Profile: Q002

E.G. Elev (ft)	7037.49	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7037.47	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)		Flow Area (sq ft)		3.88	
E.G. Slope (ft/ft)	0.014311	Area (sq ft)		3.88	
Q Total (cfs)	4.90	Flow (cfs)		4.90	
Top Width (ft)	25.56	Top Width (ft)		25.56	
Vel Total (ft/s)	1.26	Avg. Vel. (ft/s)		1.26	
Max Chl Dpth (ft)	0.24	Hydr. Depth (ft)		0.15	
Conv. Total (cfs)	41.0	Conv. (cfs)		41.0	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		25.57	
Min Ch El (ft)	7037.23	Shear (lb/sq ft)		0.14	
Alpha	1.00	Stream Power (lb/ft s)		0.17	
Frctn Loss (ft)	0.25	Cum Volume (acre-ft)		0.01	
C & E Loss (ft)	0.00	Cum SA (acres)		0.12	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1299.63* Profile: Q002

E.G. Elev (ft)	7037.25	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7037.23	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)		Flow Area (sq ft)		4.15	
E.G. Slope (ft/ft)	0.013065	Area (sq ft)		4.15	
Q Total (cfs)	4.90	Flow (cfs)		4.90	
Top Width (ft)	28.26	Top Width (ft)		28.26	
Vel Total (ft/s)	1.18	Avg. Vel. (ft/s)		1.18	
Max Chl Dpth (ft)	0.24	Hydr. Depth (ft)		0.15	
Conv. Total (cfs)	42.9	Conv. (cfs)		42.9	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		28.27	
Min Ch El (ft)	7036.99	Shear (lb/sq ft)		0.12	
Alpha	1.00	Stream Power (lb/ft s)		0.14	
Frctn Loss (ft)	0.26	Cum Volume (acre-ft)		0.01	
C & E Loss (ft)	0.00	Cum SA (acres)		0.11	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1281.50* Profile: Q002

E.G. Elev (ft)	7037.00	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7036.97	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)		Flow Area (sq ft)		4.01	
E.G. Slope (ft/ft)	0.016056	Area (sq ft)		4.01	
Q Total (cfs)	4.90	Flow (cfs)		4.90	
Top Width (ft)	30.26	Top Width (ft)		30.26	
Vel Total (ft/s)	1.22	Avg. Vel. (ft/s)		1.22	
Max Chl Dpth (ft)	0.22	Hydr. Depth (ft)		0.13	
Conv. Total (cfs)	38.7	Conv. (cfs)		38.7	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		30.27	
Min Ch El (ft)	7036.75	Shear (lb/sq ft)		0.13	
Alpha	1.00	Stream Power (lb/ft s)		0.16	
Frctn Loss (ft)	0.23	Cum Volume (acre-ft)		0.01	
C & E Loss (ft)	0.00	Cum SA (acres)		0.10	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1263.38* Profile: Q002

E.G. Elev (ft)	7036.76	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7036.75	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)		Flow Area (sq ft)		4.87	
E.G. Slope (ft/ft)	0.010454	Area (sq ft)		4.87	
Q Total (cfs)	4.90	Flow (cfs)		4.90	
Top Width (ft)	35.79	Top Width (ft)		35.79	
Vel Total (ft/s)	1.01	Avg. Vel. (ft/s)		1.01	
Max Chl Dpth (ft)	0.24	Hydr. Depth (ft)		0.14	
Conv. Total (cfs)	47.9	Conv. (cfs)		47.9	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		35.79	
Min Ch El (ft)	7036.51	Shear (lb/sq ft)		0.09	
Alpha	1.00	Stream Power (lb/ft s)		0.09	
Frctn Loss (ft)	0.26	Cum Volume (acre-ft)		0.01	
C & E Loss (ft)	0.00	Cum SA (acres)		0.08	

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1245.25* Profile: Q002

E.G. Elev (ft)	7036.49	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7036.47	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)		Flow Area (sq ft)		4.00	
E.G. Slope (ft/ft)	0.020929	Area (sq ft)		4.00	
Q Total (cfs)	4.90	Flow (cfs)		4.90	
Top Width (ft)	36.68	Top Width (ft)		36.68	
Vel Total (ft/s)	1.23	Avg. Vel. (ft/s)		1.23	
Max Chl Dpth (ft)	0.20	Hydr. Depth (ft)		0.11	
Conv. Total (cfs)	33.9	Conv. (cfs)		33.9	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		36.69	
Min Ch El (ft)	7036.27	Shear (lb/sq ft)		0.14	
Alpha	1.00	Stream Power (lb/ft s)		0.17	
Frctn Loss (ft)	0.22	Cum Volume (acre-ft)		0.01	
C & E Loss (ft)	0.00	Cum SA (acres)		0.07	

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Errors Warnings and Notes (Continued)

	1.4. This may indicate the need for additional cross sections.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1227.13* Profile: Q002

E.G. Elev (ft)	7036.27	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7036.26	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)		Flow Area (sq ft)		6.00	
E.G. Slope (ft/ft)	0.008191	Area (sq ft)		6.00	
Q Total (cfs)	4.90	Flow (cfs)		4.90	
Top Width (ft)	50.18	Top Width (ft)		50.18	
Vel Total (ft/s)	0.82	Avg. Vel. (ft/s)		0.82	
Max Chl Dpth (ft)	0.22	Hydr. Depth (ft)		0.12	
Conv. Total (cfs)	54.1	Conv. (cfs)		54.1	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		50.18	
Min Ch EI (ft)	7036.04	Shear (lb/sq ft)		0.06	
Alpha	1.00	Stream Power (lb/ft s)		0.05	
Frctn Loss (ft)	0.29	Cum Volume (acre-ft)		0.00	
C & E Loss (ft)	0.00	Cum SA (acres)		0.05	

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than
	1.4. This may indicate the need for additional cross sections.

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1209 Profile: Q002

E.G. Elev (ft)	7035.98	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7035.95	Reach Len. (ft)	17.50	18.00	16.00
Crit W.S. (ft)	7035.94	Flow Area (sq ft)		3.59	
E.G. Slope (ft/ft)	0.042275	Area (sq ft)		3.59	
Q Total (cfs)	4.90	Flow (cfs)		4.90	
Top Width (ft)	47.63	Top Width (ft)		47.63	
Vel Total (ft/s)	1.36	Avg. Vel. (ft/s)		1.36	
Max Chl Dpth (ft)	0.15	Hydr. Depth (ft)		0.08	
Conv. Total (cfs)	23.8	Conv. (cfs)		23.8	
Length Wtd. (ft)	18.00	Wetted Per. (ft)		47.63	
Min Ch EI (ft)	7035.80	Shear (lb/sq ft)		0.20	
Alpha	1.00	Stream Power (lb/ft s)		0.27	
Frctn Loss (ft)	0.38	Cum Volume (acre-ft)		0.00	
C & E Loss (ft)	0.00	Cum SA (acres)		0.03	

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than
	1.4. This may indicate the need for additional cross sections.

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1191.00* Profile: Q002

E.G. Elev (ft)	7035.60	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7035.57	Reach Len. (ft)	17.50	18.00	16.00
Crit W.S. (ft)		Flow Area (sq ft)		4.07	
E.G. Slope (ft/ft)	0.012778	Area (sq ft)		4.07	
Q Total (cfs)	4.90	Flow (cfs)		4.90	
Top Width (ft)	26.48	Top Width (ft)		26.48	
Vel Total (ft/s)	1.20	Avg. Vel. (ft/s)		1.20	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1191.00* Profile: Q002 (Continued)

Max Chl Dpth (ft)	0.17	Hydr. Depth (ft)		0.15	
Conv. Total (cfs)	43.3	Conv. (cfs)		43.3	
Length Wtd. (ft)	18.00	Wetted Per. (ft)		26.49	
Min Ch EI (ft)	7035.40	Shear (lb/sq ft)		0.12	
Alpha	1.00	Stream Power (lb/ft s)		0.15	
Frctn Loss (ft)	0.48	Cum Volume (acre-ft)		0.00	
C & E Loss (ft)	0.00	Cum SA (acres)		0.01	

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1173 Profile: Q002

E.G. Elev (ft)	7035.12	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.040	
W.S. Elev (ft)	7035.07	Reach Len. (ft)			
Crit W.S. (ft)	7035.07	Flow Area (sq ft)		2.73	
E.G. Slope (ft/ft)	0.085451	Area (sq ft)		2.73	
Q Total (cfs)	4.90	Flow (cfs)		4.90	
Top Width (ft)	40.74	Top Width (ft)		40.74	
Vel Total (ft/s)	1.79	Avg. Vel. (ft/s)		1.79	
Max Chl Dpth (ft)	0.07	Hydr. Depth (ft)		0.07	
Conv. Total (cfs)	16.8	Conv. (cfs)		16.8	
Length Wtd. (ft)		Wetted Per. (ft)		40.77	
Min Ch EI (ft)	7035.00	Shear (lb/sq ft)		0.36	
Alpha	1.00	Stream Power (lb/ft s)		0.64	
Frctn Loss (ft)		Cum Volume (acre-ft)			
C & E Loss (ft)		Cum SA (acres)			

Errors Warnings and Notes

Warning:	Slope-Area method could not converge on a starting water surface elevation within the specified number of trials.
	The program used critical depth as the starting water surface.

HISTORIC CONDITION

VELOCITY & SHEAR ANALYSIS

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 4141 Profile: Q100

E.G. Elev (ft)	7090.84	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.43	Wt. n-Val.		0.040	
W.S. Elev (ft)	7090.42	Reach Len. (ft)	26.60	28.80	30.40
Crit W.S. (ft)	7090.40	Flow Area (sq ft)		36.61	
E.G. Slope (ft/ft)	0.023555	Area (sq ft)		36.61	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	41.36	Top Width (ft)		41.36	
Vel Total (ft/s)	5.24	Avg. Vel. (ft/s)		5.24	
Max Chl Dpth (ft)	1.22	Hydr. Depth (ft)		0.89	
Conv. Total (cfs)	1251.0	Conv. (cfs)		1251.0	
Length Wtd. (ft)	28.80	Wetted Per. (ft)		41.50	
Min Ch El (ft)	7089.20	Shear (lb/sq ft)		1.30	
Alpha	1.00	Stream Power (lb/ft s)		6.80	
Frctn Loss (ft)	0.65	Cum Volume (acre-ft)	0.00	4.09	0.00
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	4.29	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 4112.20* Profile: Q100

E.G. Elev (ft)	7090.19	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.41	Wt. n-Val.		0.040	
W.S. Elev (ft)	7089.79	Reach Len. (ft)	26.60	28.80	30.40
Crit W.S. (ft)	7089.74	Flow Area (sq ft)		37.56	
E.G. Slope (ft/ft)	0.021349	Area (sq ft)		37.56	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	40.94	Top Width (ft)		40.94	
Vel Total (ft/s)	5.11	Avg. Vel. (ft/s)		5.11	
Max Chl Dpth (ft)	1.25	Hydr. Depth (ft)		0.92	
Conv. Total (cfs)	1314.1	Conv. (cfs)		1314.1	
Length Wtd. (ft)	28.80	Wetted Per. (ft)		41.09	
Min Ch El (ft)	7088.54	Shear (lb/sq ft)		1.22	
Alpha	1.00	Stream Power (lb/ft s)		6.23	
Frctn Loss (ft)	0.65	Cum Volume (acre-ft)	0.00	4.07	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	4.26	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 4083.40* Profile: Q100

E.G. Elev (ft)	7089.54	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.45	Wt. n-Val.		0.040	
W.S. Elev (ft)	7089.09	Reach Len. (ft)	26.60	28.80	30.40
Crit W.S. (ft)	7089.08	Flow Area (sq ft)		35.67	
E.G. Slope (ft/ft)	0.023846	Area (sq ft)		35.67	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	39.09	Top Width (ft)		39.09	
Vel Total (ft/s)	5.38	Avg. Vel. (ft/s)		5.38	
Max Chl Dpth (ft)	1.21	Hydr. Depth (ft)		0.91	
Conv. Total (cfs)	1243.3	Conv. (cfs)		1243.3	
Length Wtd. (ft)	28.80	Wetted Per. (ft)		39.25	
Min Ch El (ft)	7087.88	Shear (lb/sq ft)		1.35	
Alpha	1.00	Stream Power (lb/ft s)		7.28	
Frctn Loss (ft)	0.64	Cum Volume (acre-ft)	0.00	4.04	0.00
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	4.24	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 4054.60* Profile: Q100

E.G. Elev (ft)	7088.90	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.43	Wt. n-Val.		0.040	
W.S. Elev (ft)	7088.47	Reach Len. (ft)	26.60	28.80	30.40
Crit W.S. (ft)	7088.42	Flow Area (sq ft)		36.65	
E.G. Slope (ft/ft)	0.020617	Area (sq ft)		36.65	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	37.46	Top Width (ft)		37.46	
Vel Total (ft/s)	5.24	Avg. Vel. (ft/s)		5.24	
Max Chl Dpth (ft)	1.25	Hydr. Depth (ft)		0.98	
Conv. Total (cfs)	1337.2	Conv. (cfs)		1337.2	
Length Wtd. (ft)	28.80	Wetted Per. (ft)		37.66	
Min Ch El (ft)	7087.22	Shear (lb/sq ft)		1.25	
Alpha	1.00	Stream Power (lb/ft s)		6.56	
Frctn Loss (ft)	0.64	Cum Volume (acre-ft)	0.00	4.02	0.00
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	4.21	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 4025.80* Profile: Q100

E.G. Elev (ft)	7088.26	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.49	Wt. n-Val.		0.040	
W.S. Elev (ft)	7087.77	Reach Len. (ft)	26.60	28.80	30.40
Crit W.S. (ft)	7087.76	Flow Area (sq ft)		34.19	
E.G. Slope (ft/ft)	0.023665	Area (sq ft)		34.19	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	34.86	Top Width (ft)		34.86	
Vel Total (ft/s)	5.62	Avg. Vel. (ft/s)		5.62	
Max Chl Dpth (ft)	1.21	Hydr. Depth (ft)		0.98	
Conv. Total (cfs)	1248.1	Conv. (cfs)		1248.1	
Length Wtd. (ft)	28.80	Wetted Per. (ft)		35.10	
Min Ch El (ft)	7086.56	Shear (lb/sq ft)		1.44	
Alpha	1.00	Stream Power (lb/ft s)		8.08	
Frctn Loss (ft)	0.60	Cum Volume (acre-ft)	0.00	3.99	0.00
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	4.19	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3997 Profile: Q100

E.G. Elev (ft)	7087.64	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.44	Wt. n-Val.		0.040	
W.S. Elev (ft)	7087.19	Reach Len. (ft)	20.83	19.50	18.33
Crit W.S. (ft)	7087.12	Flow Area (sq ft)		35.89	
E.G. Slope (ft/ft)	0.018699	Area (sq ft)		35.89	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	32.85	Top Width (ft)		32.85	
Vel Total (ft/s)	5.35	Avg. Vel. (ft/s)		5.35	
Max Chl Dpth (ft)	1.29	Hydr. Depth (ft)		1.09	
Conv. Total (cfs)	1404.1	Conv. (cfs)		1404.1	
Length Wtd. (ft)	19.50	Wetted Per. (ft)		33.21	
Min Ch El (ft)	7085.90	Shear (lb/sq ft)		1.26	
Alpha	1.00	Stream Power (lb/ft s)		6.75	
Frctn Loss (ft)	0.36	Cum Volume (acre-ft)	0.00	3.97	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	4.17	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3977.50* Profile: Q100

E.G. Elev (ft)	7087.27	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.44	Wt. n-Val.		0.040	
W.S. Elev (ft)	7086.83	Reach Len. (ft)	20.83	19.50	18.33
Crit W.S. (ft)	7086.74	Flow Area (sq ft)		35.93	
E.G. Slope (ft/ft)	0.018539	Area (sq ft)		35.93	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	32.74	Top Width (ft)		32.74	
Vel Total (ft/s)	5.34	Avg. Vel. (ft/s)		5.34	
Max Chl Dpth (ft)	1.31	Hydr. Depth (ft)		1.10	
Conv. Total (cfs)	1410.1	Conv. (cfs)		1410.1	
Length Wtd. (ft)	19.50	Wetted Per. (ft)		33.08	
Min Ch El (ft)	7085.52	Shear (lb/sq ft)		1.26	
Alpha	1.00	Stream Power (lb/ft s)		6.72	
Frctn Loss (ft)	0.37	Cum Volume (acre-ft)	0.00	3.96	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	4.15	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3958.00* Profile: Q100

E.G. Elev (ft)	7086.90	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.45	Wt. n-Val.		0.040	
W.S. Elev (ft)	7086.45	Reach Len. (ft)	20.83	19.50	18.33
Crit W.S. (ft)	7086.38	Flow Area (sq ft)		35.61	
E.G. Slope (ft/ft)	0.018934	Area (sq ft)		35.61	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	32.55	Top Width (ft)		32.55	
Vel Total (ft/s)	5.39	Avg. Vel. (ft/s)		5.39	
Max Chl Dpth (ft)	1.32	Hydr. Depth (ft)		1.09	
Conv. Total (cfs)	1395.3	Conv. (cfs)		1395.3	
Length Wtd. (ft)	19.50	Wetted Per. (ft)		32.88	
Min Ch El (ft)	7085.13	Shear (lb/sq ft)		1.28	
Alpha	1.00	Stream Power (lb/ft s)		6.90	
Frctn Loss (ft)	0.37	Cum Volume (acre-ft)	0.00	3.94	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	4.14	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3938.50* Profile: Q100

E.G. Elev (ft)	7086.53	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.45	Wt. n-Val.		0.040	
W.S. Elev (ft)	7086.08	Reach Len. (ft)	20.83	19.50	18.33
Crit W.S. (ft)	7086.00	Flow Area (sq ft)		35.55	
E.G. Slope (ft/ft)	0.018930	Area (sq ft)		35.55	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	32.40	Top Width (ft)		32.40	
Vel Total (ft/s)	5.40	Avg. Vel. (ft/s)		5.40	
Max Chl Dpth (ft)	1.33	Hydr. Depth (ft)		1.10	
Conv. Total (cfs)	1395.5	Conv. (cfs)		1395.5	
Length Wtd. (ft)	19.50	Wetted Per. (ft)		32.72	
Min Ch El (ft)	7084.75	Shear (lb/sq ft)		1.28	
Alpha	1.00	Stream Power (lb/ft s)		6.93	
Frctn Loss (ft)	0.37	Cum Volume (acre-ft)	0.00	3.92	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	4.12	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3919.00* Profile: Q100

E.G. Elev (ft)	7086.16	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.46	Wt. n-Val.		0.040	
W.S. Elev (ft)	7085.70	Reach Len. (ft)	20.83	19.50	18.33
Crit W.S. (ft)	7085.63	Flow Area (sq ft)		35.17	
E.G. Slope (ft/ft)	0.019442	Area (sq ft)		35.17	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	32.17	Top Width (ft)		32.17	
Vel Total (ft/s)	5.46	Avg. Vel. (ft/s)		5.46	
Max Chl Dpth (ft)	1.33	Hydr. Depth (ft)		1.09	
Conv. Total (cfs)	1377.0	Conv. (cfs)		1377.0	
Length Wtd. (ft)	19.50	Wetted Per. (ft)		32.49	
Min Ch El (ft)	7084.37	Shear (lb/sq ft)		1.31	
Alpha	1.00	Stream Power (lb/ft s)		7.17	
Frctn Loss (ft)	0.38	Cum Volume (acre-ft)	0.00	3.91	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	4.11	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3899.50* Profile: Q100

E.G. Elev (ft)	7085.78	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.47	Wt. n-Val.		0.040	
W.S. Elev (ft)	7085.31	Reach Len. (ft)	20.83	19.50	18.33
Crit W.S. (ft)	7085.25	Flow Area (sq ft)		35.02	
E.G. Slope (ft/ft)	0.019554	Area (sq ft)		35.02	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	31.96	Top Width (ft)		31.96	
Vel Total (ft/s)	5.48	Avg. Vel. (ft/s)		5.48	
Max Chl Dpth (ft)	1.33	Hydr. Depth (ft)		1.10	
Conv. Total (cfs)	1373.0	Conv. (cfs)		1373.0	
Length Wtd. (ft)	19.50	Wetted Per. (ft)		32.29	
Min Ch El (ft)	7083.98	Shear (lb/sq ft)		1.32	
Alpha	1.00	Stream Power (lb/ft s)		7.26	
Frctn Loss (ft)	0.33	Cum Volume (acre-ft)	0.00	3.89	0.00
C & E Loss (ft)	0.02	Cum SA (acres)	0.00	4.09	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3880 Profile: Q100

E.G. Elev (ft)	7085.42	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.39	Wt. n-Val.		0.040	
W.S. Elev (ft)	7085.03	Reach Len. (ft)	35.00	36.00	36.60
Crit W.S. (ft)		Flow Area (sq ft)		38.29	
E.G. Slope (ft/ft)	0.014866	Area (sq ft)		38.29	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	32.50	Top Width (ft)		32.50	
Vel Total (ft/s)	5.01	Avg. Vel. (ft/s)		5.01	
Max Chl Dpth (ft)	1.43	Hydr. Depth (ft)		1.18	
Conv. Total (cfs)	1574.7	Conv. (cfs)		1574.7	
Length Wtd. (ft)	36.00	Wetted Per. (ft)		32.87	
Min Ch El (ft)	7083.60	Shear (lb/sq ft)		1.08	
Alpha	1.00	Stream Power (lb/ft s)		5.42	
Frctn Loss (ft)	0.54	Cum Volume (acre-ft)	0.00	3.88	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	4.08	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3844.00* Profile: Q100

E.G. Elev (ft)	7084.88	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.39	Wt. n-Val.		0.040	
W.S. Elev (ft)	7084.49	Reach Len. (ft)	35.00	36.00	36.60
Crit W.S. (ft)		Flow Area (sq ft)		38.21	
E.G. Slope (ft/ft)	0.015133	Area (sq ft)		38.21	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	32.80	Top Width (ft)		32.80	
Vel Total (ft/s)	5.03	Avg. Vel. (ft/s)		5.03	
Max Chl Dpth (ft)	1.43	Hydr. Depth (ft)		1.16	
Conv. Total (cfs)	1560.8	Conv. (cfs)		1560.8	
Length Wtd. (ft)	36.00	Wetted Per. (ft)		33.13	
Min Ch El (ft)	7083.06	Shear (lb/sq ft)		1.09	
Alpha	1.00	Stream Power (lb/ft s)		5.47	
Frctn Loss (ft)	0.54	Cum Volume (acre-ft)	0.00	3.84	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	4.05	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3808.00* Profile: Q100

E.G. Elev (ft)	7084.34	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.39	Wt. n-Val.		0.040	
W.S. Elev (ft)	7083.95	Reach Len. (ft)	35.00	36.00	36.60
Crit W.S. (ft)		Flow Area (sq ft)		38.41	
E.G. Slope (ft/ft)	0.015064	Area (sq ft)		38.41	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	33.13	Top Width (ft)		33.13	
Vel Total (ft/s)	5.00	Avg. Vel. (ft/s)		5.00	
Max Chl Dpth (ft)	1.43	Hydr. Depth (ft)		1.16	
Conv. Total (cfs)	1564.3	Conv. (cfs)		1564.3	
Length Wtd. (ft)	36.00	Wetted Per. (ft)		33.45	
Min Ch El (ft)	7082.52	Shear (lb/sq ft)		1.08	
Alpha	1.00	Stream Power (lb/ft s)		5.40	
Frctn Loss (ft)	0.55	Cum Volume (acre-ft)	0.00	3.81	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	4.02	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3772.00* Profile: Q100

E.G. Elev (ft)	7083.79	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.39	Wt. n-Val.		0.040	
W.S. Elev (ft)	7083.40	Reach Len. (ft)	35.00	36.00	36.60
Crit W.S. (ft)		Flow Area (sq ft)		38.21	
E.G. Slope (ft/ft)	0.015463	Area (sq ft)		38.21	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	33.36	Top Width (ft)		33.36	
Vel Total (ft/s)	5.03	Avg. Vel. (ft/s)		5.03	
Max Chl Dpth (ft)	1.42	Hydr. Depth (ft)		1.15	
Conv. Total (cfs)	1544.0	Conv. (cfs)		1544.0	
Length Wtd. (ft)	36.00	Wetted Per. (ft)		33.67	
Min Ch El (ft)	7081.98	Shear (lb/sq ft)		1.10	
Alpha	1.00	Stream Power (lb/ft s)		5.50	
Frctn Loss (ft)	0.54	Cum Volume (acre-ft)	0.00	3.78	0.00
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	4.00	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3736.00* Profile: Q100

E.G. Elev (ft)	7083.25	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.37	Wt. n-Val.		0.040	
W.S. Elev (ft)	7082.88	Reach Len. (ft)	35.00	36.00	36.60
Crit W.S. (ft)		Flow Area (sq ft)		39.31	
E.G. Slope (ft/ft)	0.014311	Area (sq ft)		39.31	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	33.78	Top Width (ft)		33.78	
Vel Total (ft/s)	4.88	Avg. Vel. (ft/s)		4.88	
Max Chl Dpth (ft)	1.44	Hydr. Depth (ft)		1.16	
Conv. Total (cfs)	1605.0	Conv. (cfs)		1605.0	
Length Wtd. (ft)	36.00	Wetted Per. (ft)		34.11	
Min Ch El (ft)	7081.44	Shear (lb/sq ft)		1.03	
Alpha	1.00	Stream Power (lb/ft s)		5.03	
Frctn Loss (ft)	0.58	Cum Volume (acre-ft)	0.00	3.75	0.00
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	3.97	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3700 Profile: Q100

E.G. Elev (ft)	7082.67	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.43	Wt. n-Val.		0.040	
W.S. Elev (ft)	7082.24	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)	7082.15	Flow Area (sq ft)		36.60	
E.G. Slope (ft/ft)	0.017963	Area (sq ft)		36.60	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	33.51	Top Width (ft)		33.51	
Vel Total (ft/s)	5.25	Avg. Vel. (ft/s)		5.25	
Max Chl Dpth (ft)	1.34	Hydr. Depth (ft)		1.09	
Conv. Total (cfs)	1432.6	Conv. (cfs)		1432.6	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		33.83	
Min Ch El (ft)	7080.90	Shear (lb/sq ft)		1.21	
Alpha	1.00	Stream Power (lb/ft s)		6.36	
Frctn Loss (ft)	0.45	Cum Volume (acre-ft)	0.00	3.72	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.94	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3675.00* Profile: Q100

E.G. Elev (ft)	7082.22	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.42	Wt. n-Val.		0.040	
W.S. Elev (ft)	7081.80	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)	7081.71	Flow Area (sq ft)		37.10	
E.G. Slope (ft/ft)	0.017923	Area (sq ft)		37.10	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	34.67	Top Width (ft)		34.67	
Vel Total (ft/s)	5.18	Avg. Vel. (ft/s)		5.18	
Max Chl Dpth (ft)	1.32	Hydr. Depth (ft)		1.07	
Conv. Total (cfs)	1434.2	Conv. (cfs)		1434.2	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		34.95	
Min Ch El (ft)	7080.48	Shear (lb/sq ft)		1.19	
Alpha	1.00	Stream Power (lb/ft s)		6.15	
Frctn Loss (ft)	0.45	Cum Volume (acre-ft)	0.00	3.70	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.92	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3650.00* Profile: Q100

E.G. Elev (ft)	7081.76	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.41	Wt. n-Val.		0.040	
W.S. Elev (ft)	7081.36	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)	7081.26	Flow Area (sq ft)		37.44	
E.G. Slope (ft/ft)	0.018064	Area (sq ft)		37.44	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	35.72	Top Width (ft)		35.72	
Vel Total (ft/s)	5.13	Avg. Vel. (ft/s)		5.13	
Max Chl Dpth (ft)	1.31	Hydr. Depth (ft)		1.05	
Conv. Total (cfs)	1428.5	Conv. (cfs)		1428.5	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		35.97	
Min Ch El (ft)	7080.05	Shear (lb/sq ft)		1.17	
Alpha	1.00	Stream Power (lb/ft s)		6.02	
Frctn Loss (ft)	0.45	Cum Volume (acre-ft)	0.00	3.67	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.90	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3625.00* Profile: Q100

E.G. Elev (ft)	7081.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.40	Wt. n-Val.		0.040	
W.S. Elev (ft)	7080.91	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)	7080.82	Flow Area (sq ft)		37.85	
E.G. Slope (ft/ft)	0.017913	Area (sq ft)		37.85	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	36.50	Top Width (ft)		36.50	
Vel Total (ft/s)	5.07	Avg. Vel. (ft/s)		5.07	
Max Chl Dpth (ft)	1.29	Hydr. Depth (ft)		1.04	
Conv. Total (cfs)	1434.5	Conv. (cfs)		1434.5	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		36.74	
Min Ch El (ft)	7079.62	Shear (lb/sq ft)		1.15	
Alpha	1.00	Stream Power (lb/ft s)		5.84	
Frctn Loss (ft)	0.45	Cum Volume (acre-ft)	0.00	3.65	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.88	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3600.00* Profile: Q100

E.G. Elev (ft)	7080.86	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.39	Wt. n-Val.		0.040	
W.S. Elev (ft)	7080.47	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)	7080.37	Flow Area (sq ft)		38.13	
E.G. Slope (ft/ft)	0.017978	Area (sq ft)		38.13	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	37.28	Top Width (ft)		37.28	
Vel Total (ft/s)	5.04	Avg. Vel. (ft/s)		5.04	
Max Chl Dpth (ft)	1.27	Hydr. Depth (ft)		1.02	
Conv. Total (cfs)	1432.0	Conv. (cfs)		1432.0	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		37.51	
Min Ch El (ft)	7079.20	Shear (lb/sq ft)		1.14	
Alpha	1.00	Stream Power (lb/ft s)		5.75	
Frctn Loss (ft)	0.45	Cum Volume (acre-ft)	0.00	3.63	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.86	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3575.00* Profile: Q100

E.G. Elev (ft)	7080.41	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.39	Wt. n-Val.		0.040	
W.S. Elev (ft)	7080.03	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)	7079.93	Flow Area (sq ft)		38.50	
E.G. Slope (ft/ft)	0.017875	Area (sq ft)		38.50	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	38.03	Top Width (ft)		38.03	
Vel Total (ft/s)	4.99	Avg. Vel. (ft/s)		4.99	
Max Chl Dpth (ft)	1.26	Hydr. Depth (ft)		1.01	
Conv. Total (cfs)	1436.1	Conv. (cfs)		1436.1	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		38.26	
Min Ch El (ft)	7078.77	Shear (lb/sq ft)		1.12	
Alpha	1.00	Stream Power (lb/ft s)		5.60	
Frctn Loss (ft)	0.45	Cum Volume (acre-ft)	0.00	3.61	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.84	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3550.00* Profile: Q100

E.G. Elev (ft)	7079.96	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.38	Wt. n-Val.		0.040	
W.S. Elev (ft)	7079.58	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		38.75	
E.G. Slope (ft/ft)	0.017962	Area (sq ft)		38.75	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	38.80	Top Width (ft)		38.80	
Vel Total (ft/s)	4.95	Avg. Vel. (ft/s)		4.95	
Max Chl Dpth (ft)	1.23	Hydr. Depth (ft)		1.00	
Conv. Total (cfs)	1432.6	Conv. (cfs)		1432.6	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		39.03	
Min Ch El (ft)	7078.35	Shear (lb/sq ft)		1.11	
Alpha	1.00	Stream Power (lb/ft s)		5.52	
Frctn Loss (ft)	0.45	Cum Volume (acre-ft)	0.00	3.59	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.82	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3525.00* Profile: Q100

E.G. Elev (ft)	7079.51	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.38	Wt. n-Val.		0.040	
W.S. Elev (ft)	7079.13	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)	7079.03	Flow Area (sq ft)		38.84	
E.G. Slope (ft/ft)	0.018245	Area (sq ft)		38.84	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	39.48	Top Width (ft)		39.48	
Vel Total (ft/s)	4.94	Avg. Vel. (ft/s)		4.94	
Max Chl Dpth (ft)	1.21	Hydr. Depth (ft)		0.98	
Conv. Total (cfs)	1421.4	Conv. (cfs)		1421.4	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		39.72	
Min Ch El (ft)	7077.92	Shear (lb/sq ft)		1.11	
Alpha	1.00	Stream Power (lb/ft s)		5.51	
Frctn Loss (ft)	0.39	Cum Volume (acre-ft)	0.00	3.56	0.00
C & E Loss (ft)	0.02	Cum SA (acres)	0.00	3.79	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3500 Profile: Q100

E.G. Elev (ft)	7079.09	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.31	Wt. n-Val.		0.040	
W.S. Elev (ft)	7078.78	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		42.90	
E.G. Slope (ft/ft)	0.013793	Area (sq ft)		42.90	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	41.02	Top Width (ft)		41.02	
Vel Total (ft/s)	4.48	Avg. Vel. (ft/s)		4.48	
Max Chl Dpth (ft)	1.28	Hydr. Depth (ft)		1.05	
Conv. Total (cfs)	1634.8	Conv. (cfs)		1634.8	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		41.29	
Min Ch El (ft)	7077.50	Shear (lb/sq ft)		0.89	
Alpha	1.00	Stream Power (lb/ft s)		4.00	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)	0.00	3.54	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.77	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3480.77* Profile: Q100

E.G. Elev (ft)	7078.83	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.31	Wt. n-Val.		0.040	
W.S. Elev (ft)	7078.52	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		43.05	
E.G. Slope (ft/ft)	0.013928	Area (sq ft)		43.05	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	41.70	Top Width (ft)		41.70	
Vel Total (ft/s)	4.46	Avg. Vel. (ft/s)		4.46	
Max Chl Dpth (ft)	1.28	Hydr. Depth (ft)		1.03	
Conv. Total (cfs)	1626.9	Conv. (cfs)		1626.9	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		41.95	
Min Ch El (ft)	7077.24	Shear (lb/sq ft)		0.89	
Alpha	1.00	Stream Power (lb/ft s)		3.98	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)	0.00	3.52	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.75	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3461.54* Profile: Q100

E.G. Elev (ft)	7078.56	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.31	Wt. n-Val.		0.040	
W.S. Elev (ft)	7078.25	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		43.21	
E.G. Slope (ft/ft)	0.014071	Area (sq ft)		43.21	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	42.46	Top Width (ft)		42.46	
Vel Total (ft/s)	4.44	Avg. Vel. (ft/s)		4.44	
Max Chl Dpth (ft)	1.27	Hydr. Depth (ft)		1.02	
Conv. Total (cfs)	1618.6	Conv. (cfs)		1618.6	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		42.68	
Min Ch El (ft)	7076.98	Shear (lb/sq ft)		0.89	
Alpha	1.00	Stream Power (lb/ft s)		3.95	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)	0.00	3.50	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.73	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3442.31* Profile: Q100

E.G. Elev (ft)	7078.28	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.31	Wt. n-Val.		0.040	
W.S. Elev (ft)	7077.98	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		43.24	
E.G. Slope (ft/ft)	0.014295	Area (sq ft)		43.24	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	43.05	Top Width (ft)		43.05	
Vel Total (ft/s)	4.44	Avg. Vel. (ft/s)		4.44	
Max Chl Dpth (ft)	1.26	Hydr. Depth (ft)		1.00	
Conv. Total (cfs)	1605.8	Conv. (cfs)		1605.8	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		43.26	
Min Ch EI (ft)	7076.72	Shear (lb/sq ft)		0.89	
Alpha	1.00	Stream Power (lb/ft s)		3.96	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)	0.00	3.48	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.71	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3423.08* Profile: Q100

E.G. Elev (ft)	7078.01	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.30	Wt. n-Val.		0.040	
W.S. Elev (ft)	7077.71	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		43.53	
E.G. Slope (ft/ft)	0.014242	Area (sq ft)		43.53	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	43.66	Top Width (ft)		43.66	
Vel Total (ft/s)	4.41	Avg. Vel. (ft/s)		4.41	
Max Chl Dpth (ft)	1.26	Hydr. Depth (ft)		1.00	
Conv. Total (cfs)	1608.9	Conv. (cfs)		1608.9	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		43.86	
Min Ch EI (ft)	7076.45	Shear (lb/sq ft)		0.88	
Alpha	1.00	Stream Power (lb/ft s)		3.89	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)	0.00	3.47	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.70	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3403.85* Profile: Q100

E.G. Elev (ft)	7077.73	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.30	Wt. n-Val.		0.040	
W.S. Elev (ft)	7077.44	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		43.83	
E.G. Slope (ft/ft)	0.014173	Area (sq ft)		43.83	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	44.27	Top Width (ft)		44.27	
Vel Total (ft/s)	4.38	Avg. Vel. (ft/s)		4.38	
Max Chl Dpth (ft)	1.25	Hydr. Depth (ft)		0.99	
Conv. Total (cfs)	1612.8	Conv. (cfs)		1612.8	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		44.46	
Min Ch EI (ft)	7076.19	Shear (lb/sq ft)		0.87	
Alpha	1.00	Stream Power (lb/ft s)		3.82	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)	0.00	3.45	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.68	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3384.62* Profile: Q100

E.G. Elev (ft)	7077.46	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.30	Wt. n-Val.		0.040	
W.S. Elev (ft)	7077.16	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		43.80	
E.G. Slope (ft/ft)	0.014426	Area (sq ft)		43.80	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	44.80	Top Width (ft)		44.80	
Vel Total (ft/s)	4.38	Avg. Vel. (ft/s)		4.38	
Max Chl Dpth (ft)	1.23	Hydr. Depth (ft)		0.98	
Conv. Total (cfs)	1598.6	Conv. (cfs)		1598.6	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		44.99	
Min Ch El (ft)	7075.93	Shear (lb/sq ft)		0.88	
Alpha	1.00	Stream Power (lb/ft s)		3.84	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)	0.00	3.43	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.66	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3365.39* Profile: Q100

E.G. Elev (ft)	7077.18	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.30	Wt. n-Val.		0.040	
W.S. Elev (ft)	7076.88	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		43.96	
E.G. Slope (ft/ft)	0.014474	Area (sq ft)		43.96	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	45.33	Top Width (ft)		45.33	
Vel Total (ft/s)	4.37	Avg. Vel. (ft/s)		4.37	
Max Chl Dpth (ft)	1.21	Hydr. Depth (ft)		0.97	
Conv. Total (cfs)	1595.9	Conv. (cfs)		1595.9	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		45.51	
Min Ch El (ft)	7075.67	Shear (lb/sq ft)		0.87	
Alpha	1.00	Stream Power (lb/ft s)		3.81	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)	0.00	3.41	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.64	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3346.15* Profile: Q100

E.G. Elev (ft)	7076.90	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.29	Wt. n-Val.		0.040	
W.S. Elev (ft)	7076.61	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		44.16	
E.G. Slope (ft/ft)	0.014463	Area (sq ft)		44.16	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	45.82	Top Width (ft)		45.82	
Vel Total (ft/s)	4.35	Avg. Vel. (ft/s)		4.35	
Max Chl Dpth (ft)	1.20	Hydr. Depth (ft)		0.96	
Conv. Total (cfs)	1596.5	Conv. (cfs)		1596.5	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		46.00	
Min Ch El (ft)	7075.41	Shear (lb/sq ft)		0.87	
Alpha	1.00	Stream Power (lb/ft s)		3.77	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)	0.00	3.39	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.62	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3326.92* Profile: Q100

E.G. Elev (ft)	7076.62	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.28	Wt. n-Val.		0.040	
W.S. Elev (ft)	7076.34	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		44.85	
E.G. Slope (ft/ft)	0.013960	Area (sq ft)		44.85	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	46.37	Top Width (ft)		46.37	
Vel Total (ft/s)	4.28	Avg. Vel. (ft/s)		4.28	
Max Chl Dpth (ft)	1.19	Hydr. Depth (ft)		0.97	
Conv. Total (cfs)	1625.0	Conv. (cfs)		1625.0	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		46.55	
Min Ch El (ft)	7075.15	Shear (lb/sq ft)		0.84	
Alpha	1.00	Stream Power (lb/ft s)		3.59	
Frctn Loss (ft)	0.24	Cum Volume (acre-ft)	0.00	3.37	0.00
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	3.60	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3307.69* Profile: Q100

E.G. Elev (ft)	7076.37	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.25	Wt. n-Val.		0.040	
W.S. Elev (ft)	7076.12	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		47.79	
E.G. Slope (ft/ft)	0.011611	Area (sq ft)		47.79	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	47.33	Top Width (ft)		47.33	
Vel Total (ft/s)	4.02	Avg. Vel. (ft/s)		4.02	
Max Chl Dpth (ft)	1.24	Hydr. Depth (ft)		1.01	
Conv. Total (cfs)	1781.8	Conv. (cfs)		1781.8	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		47.54	
Min Ch El (ft)	7074.88	Shear (lb/sq ft)		0.73	
Alpha	1.00	Stream Power (lb/ft s)		2.93	
Frctn Loss (ft)	0.18	Cum Volume (acre-ft)	0.00	3.35	0.00
C & E Loss (ft)	0.02	Cum SA (acres)	0.00	3.58	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3288.46* Profile: Q100

E.G. Elev (ft)	7076.17	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.19	Wt. n-Val.		0.040	
W.S. Elev (ft)	7075.98	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		54.86	
E.G. Slope (ft/ft)	0.007691	Area (sq ft)		54.86	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	49.03	Top Width (ft)		49.03	
Vel Total (ft/s)	3.50	Avg. Vel. (ft/s)		3.50	
Max Chl Dpth (ft)	1.36	Hydr. Depth (ft)		1.12	
Conv. Total (cfs)	2189.3	Conv. (cfs)		2189.3	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		49.28	
Min Ch El (ft)	7074.62	Shear (lb/sq ft)		0.53	
Alpha	1.00	Stream Power (lb/ft s)		1.87	
Frctn Loss (ft)	0.11	Cum Volume (acre-ft)	0.00	3.32	0.00
C & E Loss (ft)	0.02	Cum SA (acres)	0.00	3.55	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3269.23* Profile: Q100

E.G. Elev (ft)	7076.04	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.13	Wt. n-Val.		0.040	
W.S. Elev (ft)	7075.91	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		65.68	
E.G. Slope (ft/ft)	0.004511	Area (sq ft)		65.68	
Q Total (cfs)	192.00	Flow (cfs)		192.00	
Top Width (ft)	51.48	Top Width (ft)		51.48	
Vel Total (ft/s)	2.92	Avg. Vel. (ft/s)		2.92	
Max Chl Dpth (ft)	1.55	Hydr. Depth (ft)		1.28	
Conv. Total (cfs)	2858.7	Conv. (cfs)		2858.7	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		51.78	
Min Ch El (ft)	7074.36	Shear (lb/sq ft)		0.36	
Alpha	1.00	Stream Power (lb/ft s)		1.04	
Frctn Loss (ft)	0.17	Cum Volume (acre-ft)	0.00	3.30	0.00
C & E Loss (ft)	0.03	Cum SA (acres)	0.00	3.53	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3250 Profile: Q100

E.G. Elev (ft)	7075.84	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.42	Wt. n-Val.		0.040	
W.S. Elev (ft)	7075.43	Reach Len. (ft)	14.70	15.00	15.70
Crit W.S. (ft)	7075.31	Flow Area (sq ft)		55.82	
E.G. Slope (ft/ft)	0.016889	Area (sq ft)		55.82	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	49.98	Top Width (ft)		49.98	
Vel Total (ft/s)	5.18	Avg. Vel. (ft/s)		5.18	
Max Chl Dpth (ft)	1.33	Hydr. Depth (ft)		1.12	
Conv. Total (cfs)	2223.8	Conv. (cfs)		2223.8	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		50.26	
Min Ch El (ft)	7074.10	Shear (lb/sq ft)		1.17	
Alpha	1.00	Stream Power (lb/ft s)		6.06	
Frctn Loss (ft)	0.25	Cum Volume (acre-ft)	0.00	3.27	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.51	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3235.00* Profile: Q100

E.G. Elev (ft)	7075.59	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.42	Wt. n-Val.		0.040	
W.S. Elev (ft)	7075.17	Reach Len. (ft)	14.70	15.00	15.70
Crit W.S. (ft)		Flow Area (sq ft)		55.69	
E.G. Slope (ft/ft)	0.016482	Area (sq ft)		55.69	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	48.78	Top Width (ft)		48.78	
Vel Total (ft/s)	5.19	Avg. Vel. (ft/s)		5.19	
Max Chl Dpth (ft)	1.37	Hydr. Depth (ft)		1.14	
Conv. Total (cfs)	2251.1	Conv. (cfs)		2251.1	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		49.05	
Min Ch El (ft)	7073.80	Shear (lb/sq ft)		1.17	
Alpha	1.00	Stream Power (lb/ft s)		6.06	
Frctn Loss (ft)	0.25	Cum Volume (acre-ft)	0.00	3.25	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.49	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3220.00* Profile: Q100

E.G. Elev (ft)	7075.34	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.43	Wt. n-Val.		0.040	
W.S. Elev (ft)	7074.90	Reach Len. (ft)	14.70	15.00	15.70
Crit W.S. (ft)	7074.79	Flow Area (sq ft)		54.71	
E.G. Slope (ft/ft)	0.016817	Area (sq ft)		54.71	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	47.39	Top Width (ft)		47.39	
Vel Total (ft/s)	5.28	Avg. Vel. (ft/s)		5.28	
Max Chl Dpth (ft)	1.40	Hydr. Depth (ft)		1.15	
Conv. Total (cfs)	2228.6	Conv. (cfs)		2228.6	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		47.65	
Min Ch El (ft)	7073.50	Shear (lb/sq ft)		1.21	
Alpha	1.00	Stream Power (lb/ft s)		6.37	
Frctn Loss (ft)	0.25	Cum Volume (acre-ft)	0.00	3.23	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.48	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3205.00* Profile: Q100

E.G. Elev (ft)	7075.09	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.43	Wt. n-Val.		0.040	
W.S. Elev (ft)	7074.65	Reach Len. (ft)	14.70	15.00	15.70
Crit W.S. (ft)		Flow Area (sq ft)		54.67	
E.G. Slope (ft/ft)	0.016297	Area (sq ft)		54.67	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	46.18	Top Width (ft)		46.18	
Vel Total (ft/s)	5.29	Avg. Vel. (ft/s)		5.29	
Max Chl Dpth (ft)	1.45	Hydr. Depth (ft)		1.18	
Conv. Total (cfs)	2263.8	Conv. (cfs)		2263.8	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		46.44	
Min Ch El (ft)	7073.20	Shear (lb/sq ft)		1.20	
Alpha	1.00	Stream Power (lb/ft s)		6.33	
Frctn Loss (ft)	0.25	Cum Volume (acre-ft)	0.00	3.21	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.46	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3190.00* Profile: Q100

E.G. Elev (ft)	7074.84	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.45	Wt. n-Val.		0.040	
W.S. Elev (ft)	7074.39	Reach Len. (ft)	14.70	15.00	15.70
Crit W.S. (ft)	7074.26	Flow Area (sq ft)		53.85	
E.G. Slope (ft/ft)	0.016457	Area (sq ft)		53.85	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	44.79	Top Width (ft)		44.79	
Vel Total (ft/s)	5.37	Avg. Vel. (ft/s)		5.37	
Max Chl Dpth (ft)	1.49	Hydr. Depth (ft)		1.20	
Conv. Total (cfs)	2252.8	Conv. (cfs)		2252.8	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		45.06	
Min Ch El (ft)	7072.90	Shear (lb/sq ft)		1.23	
Alpha	1.00	Stream Power (lb/ft s)		6.59	
Frctn Loss (ft)	0.24	Cum Volume (acre-ft)	0.00	3.20	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.44	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3175.00* Profile: Q100

E.G. Elev (ft)	7074.59	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.45	Wt. n-Val.		0.040	
W.S. Elev (ft)	7074.15	Reach Len. (ft)	14.70	15.00	15.70
Crit W.S. (ft)		Flow Area (sq ft)		53.78	
E.G. Slope (ft/ft)	0.015964	Area (sq ft)		53.78	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	43.63	Top Width (ft)		43.63	
Vel Total (ft/s)	5.37	Avg. Vel. (ft/s)		5.37	
Max Chl Dpth (ft)	1.54	Hydr. Depth (ft)		1.23	
Conv. Total (cfs)	2287.3	Conv. (cfs)		2287.3	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		43.90	
Min Ch El (ft)	7072.60	Shear (lb/sq ft)		1.22	
Alpha	1.00	Stream Power (lb/ft s)		6.56	
Frctn Loss (ft)	0.24	Cum Volume (acre-ft)	0.00	3.18	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.43	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3160.00* Profile: Q100

E.G. Elev (ft)	7074.35	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.46	Wt. n-Val.		0.040	
W.S. Elev (ft)	7073.88	Reach Len. (ft)	14.70	15.00	15.70
Crit W.S. (ft)	7073.75	Flow Area (sq ft)		52.84	
E.G. Slope (ft/ft)	0.016221	Area (sq ft)		52.84	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	42.23	Top Width (ft)		42.23	
Vel Total (ft/s)	5.47	Avg. Vel. (ft/s)		5.47	
Max Chl Dpth (ft)	1.58	Hydr. Depth (ft)		1.25	
Conv. Total (cfs)	2269.1	Conv. (cfs)		2269.1	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		42.51	
Min Ch El (ft)	7072.30	Shear (lb/sq ft)		1.26	
Alpha	1.00	Stream Power (lb/ft s)		6.88	
Frctn Loss (ft)	0.24	Cum Volume (acre-ft)	0.00	3.16	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.41	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3145.00* Profile: Q100

E.G. Elev (ft)	7074.11	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.47	Wt. n-Val.		0.040	
W.S. Elev (ft)	7073.64	Reach Len. (ft)	14.70	15.00	15.70
Crit W.S. (ft)		Flow Area (sq ft)		52.77	
E.G. Slope (ft/ft)	0.015696	Area (sq ft)		52.77	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	41.03	Top Width (ft)		41.03	
Vel Total (ft/s)	5.48	Avg. Vel. (ft/s)		5.48	
Max Chl Dpth (ft)	1.64	Hydr. Depth (ft)		1.29	
Conv. Total (cfs)	2306.8	Conv. (cfs)		2306.8	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		41.33	
Min Ch El (ft)	7072.00	Shear (lb/sq ft)		1.25	
Alpha	1.00	Stream Power (lb/ft s)		6.85	
Frctn Loss (ft)	0.24	Cum Volume (acre-ft)	0.00	3.14	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.40	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3130.00* Profile: Q100

E.G. Elev (ft)	7073.87	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.48	Wt. n-Val.		0.040	
W.S. Elev (ft)	7073.39	Reach Len. (ft)	14.70	15.00	15.70
Crit W.S. (ft)	7073.23	Flow Area (sq ft)		52.10	
E.G. Slope (ft/ft)	0.015688	Area (sq ft)		52.10	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	39.72	Top Width (ft)		39.72	
Vel Total (ft/s)	5.55	Avg. Vel. (ft/s)		5.55	
Max Chl Dpth (ft)	1.69	Hydr. Depth (ft)		1.31	
Conv. Total (cfs)	2307.4	Conv. (cfs)		2307.4	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		40.03	
Min Ch El (ft)	7071.70	Shear (lb/sq ft)		1.27	
Alpha	1.00	Stream Power (lb/ft s)		7.07	
Frctn Loss (ft)	0.23	Cum Volume (acre-ft)	0.00	3.12	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.39	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3115.00* Profile: Q100

E.G. Elev (ft)	7073.63	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.47	Wt. n-Val.		0.040	
W.S. Elev (ft)	7073.16	Reach Len. (ft)	14.70	15.00	15.70
Crit W.S. (ft)		Flow Area (sq ft)		52.39	
E.G. Slope (ft/ft)	0.014882	Area (sq ft)		52.39	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	38.68	Top Width (ft)		38.68	
Vel Total (ft/s)	5.52	Avg. Vel. (ft/s)		5.52	
Max Chl Dpth (ft)	1.76	Hydr. Depth (ft)		1.35	
Conv. Total (cfs)	2369.0	Conv. (cfs)		2369.0	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		39.02	
Min Ch El (ft)	7071.40	Shear (lb/sq ft)		1.25	
Alpha	1.00	Stream Power (lb/ft s)		6.88	
Frctn Loss (ft)	0.21	Cum Volume (acre-ft)	0.00	3.10	0.00
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	3.37	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3100 Profile: Q100

E.G. Elev (ft)	7073.42	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.45	Wt. n-Val.		0.040	
W.S. Elev (ft)	7072.97	Reach Len. (ft)	18.67	14.83	9.50
Crit W.S. (ft)		Flow Area (sq ft)		53.82	
E.G. Slope (ft/ft)	0.013250	Area (sq ft)		53.82	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	37.86	Top Width (ft)		37.86	
Vel Total (ft/s)	5.37	Avg. Vel. (ft/s)		5.37	
Max Chl Dpth (ft)	1.87	Hydr. Depth (ft)		1.42	
Conv. Total (cfs)	2510.7	Conv. (cfs)		2510.7	
Length Wtd. (ft)	14.83	Wetted Per. (ft)		38.24	
Min Ch El (ft)	7071.10	Shear (lb/sq ft)		1.16	
Alpha	1.00	Stream Power (lb/ft s)		6.25	
Frctn Loss (ft)	0.20	Cum Volume (acre-ft)	0.00	3.09	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.36	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3085.17* Profile: Q100

E.G. Elev (ft)	7073.22	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.45	Wt. n-Val.		0.040	
W.S. Elev (ft)	7072.77	Reach Len. (ft)	18.67	14.83	9.50
Crit W.S. (ft)		Flow Area (sq ft)		53.98	
E.G. Slope (ft/ft)	0.013481	Area (sq ft)		53.98	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	38.68	Top Width (ft)		38.68	
Vel Total (ft/s)	5.35	Avg. Vel. (ft/s)		5.35	
Max Chl Dpth (ft)	1.85	Hydr. Depth (ft)		1.40	
Conv. Total (cfs)	2489.1	Conv. (cfs)		2489.1	
Length Wtd. (ft)	14.83	Wetted Per. (ft)		39.03	
Min Ch El (ft)	7070.92	Shear (lb/sq ft)		1.16	
Alpha	1.00	Stream Power (lb/ft s)		6.23	
Frctn Loss (ft)	0.20	Cum Volume (acre-ft)	0.00	3.07	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.35	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3070.33* Profile: Q100

E.G. Elev (ft)	7073.02	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.44	Wt. n-Val.		0.040	
W.S. Elev (ft)	7072.58	Reach Len. (ft)	18.67	14.83	9.50
Crit W.S. (ft)		Flow Area (sq ft)		54.50	
E.G. Slope (ft/ft)	0.013450	Area (sq ft)		54.50	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	39.58	Top Width (ft)		39.58	
Vel Total (ft/s)	5.30	Avg. Vel. (ft/s)		5.30	
Max Chl Dpth (ft)	1.85	Hydr. Depth (ft)		1.38	
Conv. Total (cfs)	2492.0	Conv. (cfs)		2492.0	
Length Wtd. (ft)	14.83	Wetted Per. (ft)		39.91	
Min Ch El (ft)	7070.73	Shear (lb/sq ft)		1.15	
Alpha	1.00	Stream Power (lb/ft s)		6.08	
Frctn Loss (ft)	0.20	Cum Volume (acre-ft)	0.00	3.05	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.33	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3055.50* Profile: Q100

E.G. Elev (ft)	7072.81	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.43	Wt. n-Val.		0.040	
W.S. Elev (ft)	7072.38	Reach Len. (ft)	18.67	14.83	9.50
Crit W.S. (ft)		Flow Area (sq ft)		54.71	
E.G. Slope (ft/ft)	0.013606	Area (sq ft)		54.71	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	40.34	Top Width (ft)		40.34	
Vel Total (ft/s)	5.28	Avg. Vel. (ft/s)		5.28	
Max Chl Dpth (ft)	1.83	Hydr. Depth (ft)		1.36	
Conv. Total (cfs)	2477.6	Conv. (cfs)		2477.6	
Length Wtd. (ft)	14.83	Wetted Per. (ft)		40.65	
Min Ch El (ft)	7070.55	Shear (lb/sq ft)		1.14	
Alpha	1.00	Stream Power (lb/ft s)		6.04	
Frctn Loss (ft)	0.20	Cum Volume (acre-ft)	0.00	3.03	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.32	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3040.67* Profile: Q100

E.G. Elev (ft)	7072.61	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.43	Wt. n-Val.		0.040	
W.S. Elev (ft)	7072.18	Reach Len. (ft)	18.67	14.83	9.50
Crit W.S. (ft)		Flow Area (sq ft)		55.04	
E.G. Slope (ft/ft)	0.013654	Area (sq ft)		55.04	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	41.08	Top Width (ft)		41.08	
Vel Total (ft/s)	5.25	Avg. Vel. (ft/s)		5.25	
Max Chl Dpth (ft)	1.81	Hydr. Depth (ft)		1.34	
Conv. Total (cfs)	2473.2	Conv. (cfs)		2473.2	
Length Wtd. (ft)	14.83	Wetted Per. (ft)		41.37	
Min Ch El (ft)	7070.37	Shear (lb/sq ft)		1.13	
Alpha	1.00	Stream Power (lb/ft s)		5.95	
Frctn Loss (ft)	0.20	Cum Volume (acre-ft)	0.00	3.01	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.31	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3025.83* Profile: Q100

E.G. Elev (ft)	7072.40	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.43	Wt. n-Val.		0.040	
W.S. Elev (ft)	7071.98	Reach Len. (ft)	18.67	14.83	9.50
Crit W.S. (ft)		Flow Area (sq ft)		55.17	
E.G. Slope (ft/ft)	0.013869	Area (sq ft)		55.17	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	41.82	Top Width (ft)		41.82	
Vel Total (ft/s)	5.24	Avg. Vel. (ft/s)		5.24	
Max Chl Dpth (ft)	1.79	Hydr. Depth (ft)		1.32	
Conv. Total (cfs)	2454.0	Conv. (cfs)		2454.0	
Length Wtd. (ft)	14.83	Wetted Per. (ft)		42.10	
Min Ch El (ft)	7070.18	Shear (lb/sq ft)		1.13	
Alpha	1.00	Stream Power (lb/ft s)		5.94	
Frctn Loss (ft)	0.23	Cum Volume (acre-ft)	0.00	2.99	0.00
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	3.29	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3011 Profile: Q100

E.G. Elev (ft)	7072.17	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.50	Wt. n-Val.		0.040	
W.S. Elev (ft)	7071.67	Reach Len. (ft)	26.50	31.00	33.50
Crit W.S. (ft)	7071.57	Flow Area (sq ft)		51.13	
E.G. Slope (ft/ft)	0.017536	Area (sq ft)		51.13	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	41.26	Top Width (ft)		41.26	
Vel Total (ft/s)	5.65	Avg. Vel. (ft/s)		5.65	
Max Chl Dpth (ft)	1.67	Hydr. Depth (ft)		1.24	
Conv. Total (cfs)	2182.4	Conv. (cfs)		2182.4	
Length Wtd. (ft)	31.00	Wetted Per. (ft)		41.52	
Min Ch El (ft)	7070.00	Shear (lb/sq ft)		1.35	
Alpha	1.00	Stream Power (lb/ft s)		7.62	
Frctn Loss (ft)	0.56	Cum Volume (acre-ft)	0.00	2.98	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.28	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2980.00* Profile: Q100

E.G. Elev (ft)	7071.61	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.48	Wt. n-Val.		0.040	
W.S. Elev (ft)	7071.13	Reach Len. (ft)	26.50	31.00	33.50
Crit W.S. (ft)	7071.04	Flow Area (sq ft)		51.88	
E.G. Slope (ft/ft)	0.018329	Area (sq ft)		51.88	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	44.28	Top Width (ft)		44.28	
Vel Total (ft/s)	5.57	Avg. Vel. (ft/s)		5.57	
Max Chl Dpth (ft)	1.58	Hydr. Depth (ft)		1.17	
Conv. Total (cfs)	2134.7	Conv. (cfs)		2134.7	
Length Wtd. (ft)	31.00	Wetted Per. (ft)		44.50	
Min Ch El (ft)	7069.55	Shear (lb/sq ft)		1.33	
Alpha	1.00	Stream Power (lb/ft s)		7.43	
Frctn Loss (ft)	0.58	Cum Volume (acre-ft)	0.00	2.94	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.25	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2949.00* Profile: Q100

E.G. Elev (ft)	7071.03	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.47	Wt. n-Val.		0.040	
W.S. Elev (ft)	7070.56	Reach Len. (ft)	26.50	31.00	33.50
Crit W.S. (ft)	7070.48	Flow Area (sq ft)		52.59	
E.G. Slope (ft/ft)	0.019034	Area (sq ft)		52.59	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	47.14	Top Width (ft)		47.14	
Vel Total (ft/s)	5.49	Avg. Vel. (ft/s)		5.49	
Max Chl Dpth (ft)	1.46	Hydr. Depth (ft)		1.12	
Conv. Total (cfs)	2094.8	Conv. (cfs)		2094.8	
Length Wtd. (ft)	31.00	Wetted Per. (ft)		47.37	
Min Ch El (ft)	7069.10	Shear (lb/sq ft)		1.32	
Alpha	1.00	Stream Power (lb/ft s)		7.25	
Frctn Loss (ft)	0.60	Cum Volume (acre-ft)	0.00	2.90	0.00
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	3.21	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2918.00* Profile: Q100

E.G. Elev (ft)	7070.43	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.45	Wt. n-Val.		0.040	
W.S. Elev (ft)	7069.97	Reach Len. (ft)	26.50	31.00	33.50
Crit W.S. (ft)	7069.91	Flow Area (sq ft)		53.59	
E.G. Slope (ft/ft)	0.019377	Area (sq ft)		53.59	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	50.03	Top Width (ft)		50.03	
Vel Total (ft/s)	5.39	Avg. Vel. (ft/s)		5.39	
Max Chl Dpth (ft)	1.32	Hydr. Depth (ft)		1.07	
Conv. Total (cfs)	2076.1	Conv. (cfs)		2076.1	
Length Wtd. (ft)	31.00	Wetted Per. (ft)		50.31	
Min Ch El (ft)	7068.65	Shear (lb/sq ft)		1.29	
Alpha	1.00	Stream Power (lb/ft s)		6.95	
Frctn Loss (ft)	0.62	Cum Volume (acre-ft)	0.00	2.86	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	3.18	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2887 Profile: Q100

E.G. Elev (ft)	7069.80	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.45	Wt. n-Val.		0.040	
W.S. Elev (ft)	7069.35	Reach Len. (ft)	31.40	29.40	30.40
Crit W.S. (ft)	7069.31	Flow Area (sq ft)		53.54	
E.G. Slope (ft/ft)	0.020903	Area (sq ft)		53.54	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	52.78	Top Width (ft)		52.78	
Vel Total (ft/s)	5.40	Avg. Vel. (ft/s)		5.40	
Max Chl Dpth (ft)	1.15	Hydr. Depth (ft)		1.01	
Conv. Total (cfs)	1998.9	Conv. (cfs)		1998.9	
Length Wtd. (ft)	29.40	Wetted Per. (ft)		53.14	
Min Ch El (ft)	7068.20	Shear (lb/sq ft)		1.31	
Alpha	1.00	Stream Power (lb/ft s)		7.10	
Frctn Loss (ft)	0.58	Cum Volume (acre-ft)	0.00	2.83	0.00
C & E Loss (ft)	0.04	Cum SA (acres)	0.00	3.14	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2857.60* Profile: Q100

E.G. Elev (ft)	7069.18	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.33	Wt. n-Val.		0.040	
W.S. Elev (ft)	7068.85	Reach Len. (ft)	31.40	29.40	30.40
Crit W.S. (ft)	7068.77	Flow Area (sq ft)		62.59	
E.G. Slope (ft/ft)	0.018886	Area (sq ft)		62.59	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	72.65	Top Width (ft)		72.65	
Vel Total (ft/s)	4.62	Avg. Vel. (ft/s)		4.62	
Max Chl Dpth (ft)	1.09	Hydr. Depth (ft)		0.86	
Conv. Total (cfs)	2102.9	Conv. (cfs)		2102.9	
Length Wtd. (ft)	29.40	Wetted Per. (ft)		72.76	
Min Ch El (ft)	7067.76	Shear (lb/sq ft)		1.01	
Alpha	1.00	Stream Power (lb/ft s)		4.68	
Frctn Loss (ft)	0.53	Cum Volume (acre-ft)	0.00	2.79	0.00
C & E Loss (ft)	0.02	Cum SA (acres)	0.00	3.10	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2828.20* Profile: Q100

E.G. Elev (ft)	7068.63	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.26	Wt. n-Val.		0.040	
W.S. Elev (ft)	7068.37	Reach Len. (ft)	31.40	29.40	30.40
Crit W.S. (ft)		Flow Area (sq ft)		70.79	
E.G. Slope (ft/ft)	0.017431	Area (sq ft)		70.79	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	93.13	Top Width (ft)		93.13	
Vel Total (ft/s)	4.08	Avg. Vel. (ft/s)		4.08	
Max Chl Dpth (ft)	1.05	Hydr. Depth (ft)		0.76	
Conv. Total (cfs)	2189.0	Conv. (cfs)		2189.0	
Length Wtd. (ft)	29.40	Wetted Per. (ft)		93.20	
Min Ch El (ft)	7067.32	Shear (lb/sq ft)		0.83	
Alpha	1.00	Stream Power (lb/ft s)		3.37	
Frctn Loss (ft)	0.52	Cum Volume (acre-ft)	0.00	2.74	0.00
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	3.04	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2798.80* Profile: Q100

E.G. Elev (ft)	7068.10	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.23	Wt. n-Val.		0.040	
W.S. Elev (ft)	7067.87	Reach Len. (ft)	31.40	29.40	30.40
Crit W.S. (ft)		Flow Area (sq ft)		75.49	
E.G. Slope (ft/ft)	0.018258	Area (sq ft)		75.49	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	113.28	Top Width (ft)		113.28	
Vel Total (ft/s)	3.83	Avg. Vel. (ft/s)		3.83	
Max Chl Dpth (ft)	0.99	Hydr. Depth (ft)		0.67	
Conv. Total (cfs)	2138.8	Conv. (cfs)		2138.8	
Length Wtd. (ft)	29.40	Wetted Per. (ft)		113.33	
Min Ch El (ft)	7066.88	Shear (lb/sq ft)		0.76	
Alpha	1.00	Stream Power (lb/ft s)		2.91	
Frctn Loss (ft)	0.49	Cum Volume (acre-ft)	0.00	2.69	0.00
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	2.98	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2769.40* Profile: Q100

E.G. Elev (ft)	7067.59	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.18	Wt. n-Val.		0.040	
W.S. Elev (ft)	7067.41	Reach Len. (ft)	31.40	29.40	30.40
Crit W.S. (ft)		Flow Area (sq ft)		84.48	
E.G. Slope (ft/ft)	0.015321	Area (sq ft)		84.48	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	131.58	Top Width (ft)		131.58	
Vel Total (ft/s)	3.42	Avg. Vel. (ft/s)		3.42	
Max Chl Dpth (ft)	0.97	Hydr. Depth (ft)		0.64	
Conv. Total (cfs)	2334.8	Conv. (cfs)		2334.8	
Length Wtd. (ft)	29.40	Wetted Per. (ft)		131.64	
Min Ch El (ft)	7066.44	Shear (lb/sq ft)		0.61	
Alpha	1.00	Stream Power (lb/ft s)		2.10	
Frctn Loss (ft)	0.52	Cum Volume (acre-ft)	0.00	2.64	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	2.89	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2740 Profile: Q100

E.G. Elev (ft)	7067.08	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.19	Wt. n-Val.		0.040	
W.S. Elev (ft)	7066.88	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		82.15	
E.G. Slope (ft/ft)	0.020234	Area (sq ft)		82.15	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	151.17	Top Width (ft)		151.17	
Vel Total (ft/s)	3.52	Avg. Vel. (ft/s)		3.52	
Max Chl Dpth (ft)	0.88	Hydr. Depth (ft)		0.54	
Conv. Total (cfs)	2031.7	Conv. (cfs)		2031.7	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		151.24	
Min Ch El (ft)	7066.00	Shear (lb/sq ft)		0.69	
Alpha	1.00	Stream Power (lb/ft s)		2.41	
Frctn Loss (ft)	0.40	Cum Volume (acre-ft)	0.00	2.58	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	2.80	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2720.00* Profile: Q100

E.G. Elev (ft)	7066.67	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.20	Wt. n-Val.		0.040	
W.S. Elev (ft)	7066.47	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		80.62	
E.G. Slope (ft/ft)	0.020021	Area (sq ft)		80.62	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	143.07	Top Width (ft)		143.07	
Vel Total (ft/s)	3.58	Avg. Vel. (ft/s)		3.58	
Max Chl Dpth (ft)	0.90	Hydr. Depth (ft)		0.56	
Conv. Total (cfs)	2042.5	Conv. (cfs)		2042.5	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		143.13	
Min Ch El (ft)	7065.57	Shear (lb/sq ft)		0.70	
Alpha	1.00	Stream Power (lb/ft s)		2.52	
Frctn Loss (ft)	0.40	Cum Volume (acre-ft)	0.00	2.54	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	2.73	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2700.00* Profile: Q100

E.G. Elev (ft)	7066.27	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.21	Wt. n-Val.		0.040	
W.S. Elev (ft)	7066.07	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		79.08	
E.G. Slope (ft/ft)	0.019818	Area (sq ft)		79.08	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	135.30	Top Width (ft)		135.30	
Vel Total (ft/s)	3.65	Avg. Vel. (ft/s)		3.65	
Max Chl Dpth (ft)	0.94	Hydr. Depth (ft)		0.58	
Conv. Total (cfs)	2052.9	Conv. (cfs)		2052.9	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		135.36	
Min Ch El (ft)	7065.13	Shear (lb/sq ft)		0.72	
Alpha	1.00	Stream Power (lb/ft s)		2.64	
Frctn Loss (ft)	0.40	Cum Volume (acre-ft)	0.00	2.51	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	2.67	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2680.00* Profile: Q100

E.G. Elev (ft)	7065.88	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.22	Wt. n-Val.		0.040	
W.S. Elev (ft)	7065.66	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		77.22	
E.G. Slope (ft/ft)	0.019929	Area (sq ft)		77.22	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	128.02	Top Width (ft)		128.02	
Vel Total (ft/s)	3.74	Avg. Vel. (ft/s)		3.74	
Max Chl Dpth (ft)	0.96	Hydr. Depth (ft)		0.60	
Conv. Total (cfs)	2047.2	Conv. (cfs)		2047.2	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		128.07	
Min Ch El (ft)	7064.70	Shear (lb/sq ft)		0.75	
Alpha	1.00	Stream Power (lb/ft s)		2.81	
Frctn Loss (ft)	0.39	Cum Volume (acre-ft)	0.00	2.47	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	2.61	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2660.00* Profile: Q100

E.G. Elev (ft)	7065.48	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.22	Wt. n-Val.		0.040	
W.S. Elev (ft)	7065.26	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		76.16	
E.G. Slope (ft/ft)	0.019493	Area (sq ft)		76.16	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	121.64	Top Width (ft)		121.64	
Vel Total (ft/s)	3.79	Avg. Vel. (ft/s)		3.79	
Max Chl Dpth (ft)	0.99	Hydr. Depth (ft)		0.63	
Conv. Total (cfs)	2069.9	Conv. (cfs)		2069.9	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		121.69	
Min Ch El (ft)	7064.27	Shear (lb/sq ft)		0.76	
Alpha	1.00	Stream Power (lb/ft s)		2.89	
Frctn Loss (ft)	0.39	Cum Volume (acre-ft)	0.00	2.44	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	2.55	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2640.00* Profile: Q100

E.G. Elev (ft)	7065.10	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.23	Wt. n-Val.		0.040	
W.S. Elev (ft)	7064.87	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		75.16	
E.G. Slope (ft/ft)	0.019290	Area (sq ft)		75.16	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	116.75	Top Width (ft)		116.75	
Vel Total (ft/s)	3.85	Avg. Vel. (ft/s)		3.85	
Max Chl Dpth (ft)	1.04	Hydr. Depth (ft)		0.64	
Conv. Total (cfs)	2080.8	Conv. (cfs)		2080.8	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		116.80	
Min Ch El (ft)	7063.83	Shear (lb/sq ft)		0.77	
Alpha	1.00	Stream Power (lb/ft s)		2.98	
Frctn Loss (ft)	0.39	Cum Volume (acre-ft)	0.00	2.40	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	2.49	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2620.00* Profile: Q100

E.G. Elev (ft)	7064.71	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.24	Wt. n-Val.		0.040	
W.S. Elev (ft)	7064.47	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		73.45	
E.G. Slope (ft/ft)	0.019352	Area (sq ft)		73.45	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	110.50	Top Width (ft)		110.50	
Vel Total (ft/s)	3.93	Avg. Vel. (ft/s)		3.93	
Max Chl Dpth (ft)	1.07	Hydr. Depth (ft)		0.66	
Conv. Total (cfs)	2077.5	Conv. (cfs)		2077.5	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		110.56	
Min Ch El (ft)	7063.40	Shear (lb/sq ft)		0.80	
Alpha	1.00	Stream Power (lb/ft s)		3.16	
Frctn Loss (ft)	0.38	Cum Volume (acre-ft)	0.00	2.37	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	2.44	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2600.00* Profile: Q100

E.G. Elev (ft)	7064.33	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.25	Wt. n-Val.		0.040	
W.S. Elev (ft)	7064.08	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		72.04	
E.G. Slope (ft/ft)	0.018922	Area (sq ft)		72.04	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	103.48	Top Width (ft)		103.48	
Vel Total (ft/s)	4.01	Avg. Vel. (ft/s)		4.01	
Max Chl Dpth (ft)	1.11	Hydr. Depth (ft)		0.70	
Conv. Total (cfs)	2101.0	Conv. (cfs)		2101.0	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		103.56	
Min Ch El (ft)	7062.97	Shear (lb/sq ft)		0.82	
Alpha	1.00	Stream Power (lb/ft s)		3.30	
Frctn Loss (ft)	0.38	Cum Volume (acre-ft)	0.00	2.33	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	2.39	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2580.00* Profile: Q100

E.G. Elev (ft)	7063.95	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.26	Wt. n-Val.		0.040	
W.S. Elev (ft)	7063.69	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		70.23	
E.G. Slope (ft/ft)	0.018716	Area (sq ft)		70.23	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	96.29	Top Width (ft)		96.29	
Vel Total (ft/s)	4.12	Avg. Vel. (ft/s)		4.12	
Max Chl Dpth (ft)	1.16	Hydr. Depth (ft)		0.73	
Conv. Total (cfs)	2112.5	Conv. (cfs)		2112.5	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		96.38	
Min Ch El (ft)	7062.53	Shear (lb/sq ft)		0.85	
Alpha	1.00	Stream Power (lb/ft s)		3.50	
Frctn Loss (ft)	0.37	Cum Volume (acre-ft)	0.00	2.30	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	2.35	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2560.00* Profile: Q100

E.G. Elev (ft)	7063.58	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.27	Wt. n-Val.		0.040	
W.S. Elev (ft)	7063.31	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		69.10	
E.G. Slope (ft/ft)	0.017870	Area (sq ft)		69.10	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	89.28	Top Width (ft)		89.28	
Vel Total (ft/s)	4.18	Avg. Vel. (ft/s)		4.18	
Max Chl Dpth (ft)	1.21	Hydr. Depth (ft)		0.77	
Conv. Total (cfs)	2161.9	Conv. (cfs)		2161.9	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		89.39	
Min Ch El (ft)	7062.10	Shear (lb/sq ft)		0.86	
Alpha	1.00	Stream Power (lb/ft s)		3.61	
Frctn Loss (ft)	0.36	Cum Volume (acre-ft)	0.00	2.27	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	2.30	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2540.00* Profile: Q100

E.G. Elev (ft)	7063.22	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.29	Wt. n-Val.		0.040	
W.S. Elev (ft)	7062.93	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		66.53	
E.G. Slope (ft/ft)	0.018127	Area (sq ft)		66.53	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	82.06	Top Width (ft)		82.06	
Vel Total (ft/s)	4.34	Avg. Vel. (ft/s)		4.34	
Max Chl Dpth (ft)	1.26	Hydr. Depth (ft)		0.81	
Conv. Total (cfs)	2146.5	Conv. (cfs)		2146.5	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		82.19	
Min Ch El (ft)	7061.67	Shear (lb/sq ft)		0.92	
Alpha	1.00	Stream Power (lb/ft s)		3.98	
Frctn Loss (ft)	0.32	Cum Volume (acre-ft)	0.00	2.24	0.00
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	2.26	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2520.00* Profile: Q100

E.G. Elev (ft)	7062.89	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.27	Wt. n-Val.		0.040	
W.S. Elev (ft)	7062.62	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		68.91	
E.G. Slope (ft/ft)	0.014359	Area (sq ft)		68.91	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	75.15	Top Width (ft)		75.15	
Vel Total (ft/s)	4.19	Avg. Vel. (ft/s)		4.19	
Max Chl Dpth (ft)	1.39	Hydr. Depth (ft)		0.92	
Conv. Total (cfs)	2411.8	Conv. (cfs)		2411.8	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		75.34	
Min Ch El (ft)	7061.23	Shear (lb/sq ft)		0.82	
Alpha	1.00	Stream Power (lb/ft s)		3.44	
Frctn Loss (ft)	0.35	Cum Volume (acre-ft)	0.00	2.21	0.00
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	2.23	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2500 Profile: Q100

E.G. Elev (ft)	7062.53	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.39	Wt. n-Val.		0.040	
W.S. Elev (ft)	7062.14	Reach Len. (ft)	28.66	29.02	29.34
Crit W.S. (ft)	7062.11	Flow Area (sq ft)		57.70	
E.G. Slope (ft/ft)	0.022287	Area (sq ft)		57.70	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	67.00	Top Width (ft)		67.00	
Vel Total (ft/s)	5.01	Avg. Vel. (ft/s)		5.01	
Max Chl Dpth (ft)	1.34	Hydr. Depth (ft)		0.86	
Conv. Total (cfs)	1935.9	Conv. (cfs)		1935.9	
Length Wtd. (ft)	29.02	Wetted Per. (ft)		67.23	
Min Ch El (ft)	7060.80	Shear (lb/sq ft)		1.19	
Alpha	1.00	Stream Power (lb/ft s)		5.98	
Frctn Loss (ft)	0.64	Cum Volume (acre-ft)	0.00	2.18	0.00
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	2.20	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2471.00* Profile: Q100

E.G. Elev (ft)	7061.88	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.37	Wt. n-Val.		0.040	
W.S. Elev (ft)	7061.51	Reach Len. (ft)	28.66	29.02	29.34
Crit W.S. (ft)	7061.47	Flow Area (sq ft)		59.39	
E.G. Slope (ft/ft)	0.021899	Area (sq ft)		59.39	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	71.12	Top Width (ft)		71.12	
Vel Total (ft/s)	4.87	Avg. Vel. (ft/s)		4.87	
Max Chl Dpth (ft)	1.36	Hydr. Depth (ft)		0.84	
Conv. Total (cfs)	1952.9	Conv. (cfs)		1952.9	
Length Wtd. (ft)	29.02	Wetted Per. (ft)		71.32	
Min Ch El (ft)	7060.15	Shear (lb/sq ft)		1.14	
Alpha	1.00	Stream Power (lb/ft s)		5.54	
Frctn Loss (ft)	0.64	Cum Volume (acre-ft)	0.00	2.14	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	2.15	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2442.00* Profile: Q100

E.G. Elev (ft)	7061.23	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.35	Wt. n-Val.		0.040	
W.S. Elev (ft)	7060.88	Reach Len. (ft)	28.66	29.02	29.34
Crit W.S. (ft)	7060.84	Flow Area (sq ft)		60.53	
E.G. Slope (ft/ft)	0.022120	Area (sq ft)		60.53	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	75.17	Top Width (ft)		75.17	
Vel Total (ft/s)	4.77	Avg. Vel. (ft/s)		4.77	
Max Chl Dpth (ft)	1.38	Hydr. Depth (ft)		0.81	
Conv. Total (cfs)	1943.1	Conv. (cfs)		1943.1	
Length Wtd. (ft)	29.02	Wetted Per. (ft)		75.36	
Min Ch El (ft)	7059.50	Shear (lb/sq ft)		1.11	
Alpha	1.00	Stream Power (lb/ft s)		5.30	
Frctn Loss (ft)	0.62	Cum Volume (acre-ft)	0.00	2.10	0.00
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	2.10	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2413.00* Profile: Q100

E.G. Elev (ft)	7060.60	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.33	Wt. n-Val.		0.040	
W.S. Elev (ft)	7060.28	Reach Len. (ft)	28.66	29.02	29.34
Crit W.S. (ft)	7060.22	Flow Area (sq ft)		63.15	
E.G. Slope (ft/ft)	0.020705	Area (sq ft)		63.15	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	79.51	Top Width (ft)		79.51	
Vel Total (ft/s)	4.58	Avg. Vel. (ft/s)		4.58	
Max Chl Dpth (ft)	1.43	Hydr. Depth (ft)		0.79	
Conv. Total (cfs)	2008.5	Conv. (cfs)		2008.5	
Length Wtd. (ft)	29.02	Wetted Per. (ft)		79.73	
Min Ch El (ft)	7058.85	Shear (lb/sq ft)		1.02	
Alpha	1.00	Stream Power (lb/ft s)		4.69	
Frctn Loss (ft)	0.63	Cum Volume (acre-ft)	0.00	2.06	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	2.05	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2384.00* Profile: Q100

E.G. Elev (ft)	7059.97	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.33	Wt. n-Val.		0.040	
W.S. Elev (ft)	7059.64	Reach Len. (ft)	28.66	29.02	29.34
Crit W.S. (ft)	7059.62	Flow Area (sq ft)		62.44	
E.G. Slope (ft/ft)	0.022931	Area (sq ft)		62.44	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	83.43	Top Width (ft)		83.43	
Vel Total (ft/s)	4.63	Avg. Vel. (ft/s)		4.63	
Max Chl Dpth (ft)	1.44	Hydr. Depth (ft)		0.75	
Conv. Total (cfs)	1908.5	Conv. (cfs)		1908.5	
Length Wtd. (ft)	29.02	Wetted Per. (ft)		83.67	
Min Ch El (ft)	7058.20	Shear (lb/sq ft)		1.07	
Alpha	1.00	Stream Power (lb/ft s)		4.94	
Frctn Loss (ft)	0.59	Cum Volume (acre-ft)	0.00	2.02	0.00
C & E Loss (ft)	0.02	Cum SA (acres)	0.00	1.99	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2355.00* Profile: Q100

E.G. Elev (ft)	7059.36	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.28	Wt. n-Val.		0.040	
W.S. Elev (ft)	7059.08	Reach Len. (ft)	28.66	29.02	29.34
Crit W.S. (ft)		Flow Area (sq ft)		68.65	
E.G. Slope (ft/ft)	0.018277	Area (sq ft)		68.65	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	89.13	Top Width (ft)		89.13	
Vel Total (ft/s)	4.21	Avg. Vel. (ft/s)		4.21	
Max Chl Dpth (ft)	1.53	Hydr. Depth (ft)		0.77	
Conv. Total (cfs)	2137.7	Conv. (cfs)		2137.7	
Length Wtd. (ft)	29.02	Wetted Per. (ft)		89.45	
Min Ch El (ft)	7057.55	Shear (lb/sq ft)		0.88	
Alpha	1.00	Stream Power (lb/ft s)		3.69	
Frctn Loss (ft)	0.63	Cum Volume (acre-ft)	0.00	1.97	0.00
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	1.94	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2326 Profile: Q100

E.G. Elev (ft)	7058.72	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.33	Wt. n-Val.		0.040	
W.S. Elev (ft)	7058.39	Reach Len. (ft)	21.60	27.80	28.00
Crit W.S. (ft)	7058.37	Flow Area (sq ft)		62.50	
E.G. Slope (ft/ft)	0.026052	Area (sq ft)		62.50	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	91.89	Top Width (ft)		91.89	
Vel Total (ft/s)	4.62	Avg. Vel. (ft/s)		4.62	
Max Chl Dpth (ft)	1.49	Hydr. Depth (ft)		0.68	
Conv. Total (cfs)	1790.5	Conv. (cfs)		1790.5	
Length Wtd. (ft)	27.80	Wetted Per. (ft)		92.30	
Min Ch El (ft)	7056.90	Shear (lb/sq ft)		1.10	
Alpha	1.00	Stream Power (lb/ft s)		5.09	
Frctn Loss (ft)	0.66	Cum Volume (acre-ft)	0.00	1.93	0.00
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	1.88	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2298.20* Profile: Q100

E.G. Elev (ft)	7058.06	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.31	Wt. n-Val.		0.040	
W.S. Elev (ft)	7057.75	Reach Len. (ft)	21.60	27.80	28.00
Crit W.S. (ft)	7057.70	Flow Area (sq ft)		64.64	
E.G. Slope (ft/ft)	0.021759	Area (sq ft)		64.64	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	87.42	Top Width (ft)		87.42	
Vel Total (ft/s)	4.47	Avg. Vel. (ft/s)		4.47	
Max Chl Dpth (ft)	1.43	Hydr. Depth (ft)		0.74	
Conv. Total (cfs)	1959.2	Conv. (cfs)		1959.2	
Length Wtd. (ft)	27.80	Wetted Per. (ft)		87.71	
Min Ch El (ft)	7056.32	Shear (lb/sq ft)		1.00	
Alpha	1.00	Stream Power (lb/ft s)		4.48	
Frctn Loss (ft)	0.65	Cum Volume (acre-ft)	0.00	1.89	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	1.82	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2270.40* Profile: Q100

E.G. Elev (ft)	7057.41	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.36	Wt. n-Val.		0.040	
W.S. Elev (ft)	7057.05	Reach Len. (ft)	21.60	27.80	28.00
Crit W.S. (ft)	7057.03	Flow Area (sq ft)		60.03	
E.G. Slope (ft/ft)	0.025096	Area (sq ft)		60.03	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	80.91	Top Width (ft)		80.91	
Vel Total (ft/s)	4.81	Avg. Vel. (ft/s)		4.81	
Max Chl Dpth (ft)	1.31	Hydr. Depth (ft)		0.74	
Conv. Total (cfs)	1824.3	Conv. (cfs)		1824.3	
Length Wtd. (ft)	27.80	Wetted Per. (ft)		81.11	
Min Ch El (ft)	7055.74	Shear (lb/sq ft)		1.16	
Alpha	1.00	Stream Power (lb/ft s)		5.58	
Frctn Loss (ft)	0.62	Cum Volume (acre-ft)	0.00	1.85	0.00
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	1.77	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2242.60* Profile: Q100

E.G. Elev (ft)	7056.78	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.33	Wt. n-Val.		0.040	
W.S. Elev (ft)	7056.45	Reach Len. (ft)	21.60	27.80	28.00
Crit W.S. (ft)	7056.38	Flow Area (sq ft)		62.59	
E.G. Slope (ft/ft)	0.019873	Area (sq ft)		62.59	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	75.42	Top Width (ft)		75.42	
Vel Total (ft/s)	4.62	Avg. Vel. (ft/s)		4.62	
Max Chl Dpth (ft)	1.29	Hydr. Depth (ft)		0.83	
Conv. Total (cfs)	2050.1	Conv. (cfs)		2050.1	
Length Wtd. (ft)	27.80	Wetted Per. (ft)		75.60	
Min Ch El (ft)	7055.16	Shear (lb/sq ft)		1.03	
Alpha	1.00	Stream Power (lb/ft s)		4.74	
Frctn Loss (ft)	0.62	Cum Volume (acre-ft)	0.00	1.81	0.00
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	1.72	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2214.80* Profile: Q100

E.G. Elev (ft)	7056.15	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.41	Wt. n-Val.		0.040	
W.S. Elev (ft)	7055.75	Reach Len. (ft)	21.60	27.80	28.00
Crit W.S. (ft)	7055.75	Flow Area (sq ft)		56.31	
E.G. Slope (ft/ft)	0.025025	Area (sq ft)		56.31	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	68.83	Top Width (ft)		68.83	
Vel Total (ft/s)	5.13	Avg. Vel. (ft/s)		5.13	
Max Chl Dpth (ft)	1.17	Hydr. Depth (ft)		0.82	
Conv. Total (cfs)	1826.9	Conv. (cfs)		1826.9	
Length Wtd. (ft)	27.80	Wetted Per. (ft)		68.99	
Min Ch El (ft)	7054.58	Shear (lb/sq ft)		1.28	
Alpha	1.00	Stream Power (lb/ft s)		6.54	
Frctn Loss (ft)	0.49	Cum Volume (acre-ft)	0.00	1.77	0.00
C & E Loss (ft)	0.04	Cum SA (acres)	0.00	1.67	0.00

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning:	During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2187 Profile: Q100

E.G. Elev (ft)	7055.61	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.29	Wt. n-Val.		0.040	
W.S. Elev (ft)	7055.32	Reach Len. (ft)	30.40	28.40	26.60
Crit W.S. (ft)	7055.13	Flow Area (sq ft)		66.66	
E.G. Slope (ft/ft)	0.013002	Area (sq ft)		66.66	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	64.13	Top Width (ft)		64.13	
Vel Total (ft/s)	4.34	Avg. Vel. (ft/s)		4.34	
Max Chl Dpth (ft)	1.32	Hydr. Depth (ft)		1.04	
Conv. Total (cfs)	2534.5	Conv. (cfs)		2534.5	
Length Wtd. (ft)	28.40	Wetted Per. (ft)		64.38	
Min Ch El (ft)	7054.00	Shear (lb/sq ft)		0.84	
Alpha	1.00	Stream Power (lb/ft s)		3.64	
Frctn Loss (ft)	0.37	Cum Volume (acre-ft)	0.00	1.73	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	1.63	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2158.60* Profile: Q100

E.G. Elev (ft)	7055.24	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.29	Wt. n-Val.		0.040	
W.S. Elev (ft)	7054.95	Reach Len. (ft)	30.40	28.40	26.60
Crit W.S. (ft)		Flow Area (sq ft)		66.95	
E.G. Slope (ft/ft)	0.013328	Area (sq ft)		66.95	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	66.12	Top Width (ft)		66.12	
Vel Total (ft/s)	4.32	Avg. Vel. (ft/s)		4.32	
Max Chl Dpth (ft)	1.35	Hydr. Depth (ft)		1.01	
Conv. Total (cfs)	2503.4	Conv. (cfs)		2503.4	
Length Wtd. (ft)	28.40	Wetted Per. (ft)		66.31	
Min Ch El (ft)	7053.60	Shear (lb/sq ft)		0.84	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2158.60* Profile: Q100 (Continued)

Alpha	1.00	Stream Power (lb/ft s)		3.63	
Frctn Loss (ft)	0.39	Cum Volume (acre-ft)	0.00	1.69	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	1.59	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2130.20* Profile: Q100

E.G. Elev (ft)	7054.85	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.29	Wt. n-Val.		0.040	
W.S. Elev (ft)	7054.56	Reach Len. (ft)	30.40	28.40	26.60
Crit W.S. (ft)		Flow Area (sq ft)		66.86	
E.G. Slope (ft/ft)	0.013851	Area (sq ft)		66.86	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	67.87	Top Width (ft)		67.87	
Vel Total (ft/s)	4.32	Avg. Vel. (ft/s)		4.32	
Max Chl Dpth (ft)	1.36	Hydr. Depth (ft)		0.99	
Conv. Total (cfs)	2455.6	Conv. (cfs)		2455.6	
Length Wtd. (ft)	28.40	Wetted Per. (ft)		68.02	
Min Ch El (ft)	7053.20	Shear (lb/sq ft)		0.85	
Alpha	1.00	Stream Power (lb/ft s)		3.67	
Frctn Loss (ft)	0.40	Cum Volume (acre-ft)	0.00	1.65	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	1.54	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2101.80* Profile: Q100

E.G. Elev (ft)	7054.45	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.29	Wt. n-Val.		0.040	
W.S. Elev (ft)	7054.16	Reach Len. (ft)	30.40	28.40	26.60
Crit W.S. (ft)		Flow Area (sq ft)		66.66	
E.G. Slope (ft/ft)	0.014400	Area (sq ft)		66.66	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	69.37	Top Width (ft)		69.37	
Vel Total (ft/s)	4.34	Avg. Vel. (ft/s)		4.34	
Max Chl Dpth (ft)	1.36	Hydr. Depth (ft)		0.96	
Conv. Total (cfs)	2408.3	Conv. (cfs)		2408.3	
Length Wtd. (ft)	28.40	Wetted Per. (ft)		69.49	
Min Ch El (ft)	7052.80	Shear (lb/sq ft)		0.86	
Alpha	1.00	Stream Power (lb/ft s)		3.74	
Frctn Loss (ft)	0.40	Cum Volume (acre-ft)	0.00	1.60	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	1.50	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2073.40* Profile: Q100

E.G. Elev (ft)	7054.05	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.28	Wt. n-Val.		0.040	
W.S. Elev (ft)	7053.77	Reach Len. (ft)	30.40	28.40	26.60
Crit W.S. (ft)		Flow Area (sq ft)		68.31	
E.G. Slope (ft/ft)	0.013490	Area (sq ft)		68.31	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	70.22	Top Width (ft)		70.22	
Vel Total (ft/s)	4.23	Avg. Vel. (ft/s)		4.23	
Max Chl Dpth (ft)	1.37	Hydr. Depth (ft)		0.97	
Conv. Total (cfs)	2488.2	Conv. (cfs)		2488.2	
Length Wtd. (ft)	28.40	Wetted Per. (ft)		70.36	
Min Ch El (ft)	7052.40	Shear (lb/sq ft)		0.82	
Alpha	1.00	Stream Power (lb/ft s)		3.46	
Frctn Loss (ft)	0.45	Cum Volume (acre-ft)	0.00	1.56	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2073.40* Profile: Q100 (Continued)

C & E Loss (ft)	0.01	Cum SA (acres)	0.00	1.45	0.00
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2045 Profile: Q100

E.G. Elev (ft)	7053.59	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.34	Wt. n-Val.		0.040	
W.S. Elev (ft)	7053.25	Reach Len. (ft)	35.80	29.20	28.80
Crit W.S. (ft)	7053.17	Flow Area (sq ft)		61.78	
E.G. Slope (ft/ft)	0.018688	Area (sq ft)		61.78	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	69.73	Top Width (ft)		69.73	
Vel Total (ft/s)	4.68	Avg. Vel. (ft/s)		4.68	
Max Chl Dpth (ft)	1.25	Hydr. Depth (ft)		0.89	
Conv. Total (cfs)	2114.1	Conv. (cfs)		2114.1	
Length Wtd. (ft)	29.20	Wetted Per. (ft)		69.89	
Min Ch El (ft)	7052.00	Shear (lb/sq ft)		1.03	
Alpha	1.00	Stream Power (lb/ft s)		4.82	
Frctn Loss (ft)	0.54	Cum Volume (acre-ft)	0.00	1.52	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	1.41	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2015.80* Profile: Q100

E.G. Elev (ft)	7053.05	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.33	Wt. n-Val.		0.040	
W.S. Elev (ft)	7052.72	Reach Len. (ft)	35.80	29.20	28.80
Crit W.S. (ft)	7052.63	Flow Area (sq ft)		62.44	
E.G. Slope (ft/ft)	0.018601	Area (sq ft)		62.44	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	71.38	Top Width (ft)		71.38	
Vel Total (ft/s)	4.63	Avg. Vel. (ft/s)		4.63	
Max Chl Dpth (ft)	1.26	Hydr. Depth (ft)		0.87	
Conv. Total (cfs)	2119.0	Conv. (cfs)		2119.0	
Length Wtd. (ft)	29.20	Wetted Per. (ft)		71.51	
Min Ch El (ft)	7051.46	Shear (lb/sq ft)		1.01	
Alpha	1.00	Stream Power (lb/ft s)		4.69	
Frctn Loss (ft)	0.54	Cum Volume (acre-ft)	0.00	1.47	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	1.36	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1986.60* Profile: Q100

E.G. Elev (ft)	7052.51	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.33	Wt. n-Val.		0.040	
W.S. Elev (ft)	7052.18	Reach Len. (ft)	35.80	29.20	28.80
Crit W.S. (ft)	7052.10	Flow Area (sq ft)		62.83	
E.G. Slope (ft/ft)	0.018707	Area (sq ft)		62.83	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	72.84	Top Width (ft)		72.84	
Vel Total (ft/s)	4.60	Avg. Vel. (ft/s)		4.60	
Max Chl Dpth (ft)	1.26	Hydr. Depth (ft)		0.86	
Conv. Total (cfs)	2113.0	Conv. (cfs)		2113.0	
Length Wtd. (ft)	29.20	Wetted Per. (ft)		72.95	
Min Ch El (ft)	7050.92	Shear (lb/sq ft)		1.01	
Alpha	1.00	Stream Power (lb/ft s)		4.63	
Frctn Loss (ft)	0.55	Cum Volume (acre-ft)	0.00	1.43	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	1.31	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1957.40* Profile: Q100

E.G. Elev (ft)	7051.96	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.32	Wt. n-Val.		0.040	
W.S. Elev (ft)	7051.64	Reach Len. (ft)	35.80	29.20	28.80
Crit W.S. (ft)	7051.56	Flow Area (sq ft)		63.22	
E.G. Slope (ft/ft)	0.018704	Area (sq ft)		63.22	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	73.99	Top Width (ft)		73.99	
Vel Total (ft/s)	4.57	Avg. Vel. (ft/s)		4.57	
Max Chl Dpth (ft)	1.26	Hydr. Depth (ft)		0.85	
Conv. Total (cfs)	2113.1	Conv. (cfs)		2113.1	
Length Wtd. (ft)	29.20	Wetted Per. (ft)		74.08	
Min Ch El (ft)	7050.38	Shear (lb/sq ft)		1.00	
Alpha	1.00	Stream Power (lb/ft s)		4.56	
Frctn Loss (ft)	0.55	Cum Volume (acre-ft)	0.00	1.39	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	1.26	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1928.20* Profile: Q100

E.G. Elev (ft)	7051.42	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.32	Wt. n-Val.		0.040	
W.S. Elev (ft)	7051.10	Reach Len. (ft)	35.80	29.20	28.80
Crit W.S. (ft)	7051.01	Flow Area (sq ft)		63.56	
E.G. Slope (ft/ft)	0.018645	Area (sq ft)		63.56	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	74.80	Top Width (ft)		74.80	
Vel Total (ft/s)	4.55	Avg. Vel. (ft/s)		4.55	
Max Chl Dpth (ft)	1.25	Hydr. Depth (ft)		0.85	
Conv. Total (cfs)	2116.5	Conv. (cfs)		2116.5	
Length Wtd. (ft)	29.20	Wetted Per. (ft)		74.89	
Min Ch El (ft)	7049.84	Shear (lb/sq ft)		0.99	
Alpha	1.00	Stream Power (lb/ft s)		4.49	
Frctn Loss (ft)	0.55	Cum Volume (acre-ft)	0.00	1.35	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	1.21	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1899 Profile: Q100

E.G. Elev (ft)	7050.87	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.33	Wt. n-Val.		0.040	
W.S. Elev (ft)	7050.54	Reach Len. (ft)	45.67	43.00	43.67
Crit W.S. (ft)	7050.46	Flow Area (sq ft)		63.03	
E.G. Slope (ft/ft)	0.019159	Area (sq ft)		63.03	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	74.76	Top Width (ft)		74.76	
Vel Total (ft/s)	4.58	Avg. Vel. (ft/s)		4.58	
Max Chl Dpth (ft)	1.24	Hydr. Depth (ft)		0.84	
Conv. Total (cfs)	2087.9	Conv. (cfs)		2087.9	
Length Wtd. (ft)	43.00	Wetted Per. (ft)		74.86	
Min Ch El (ft)	7049.30	Shear (lb/sq ft)		1.01	
Alpha	1.00	Stream Power (lb/ft s)		4.62	
Frctn Loss (ft)	0.89	Cum Volume (acre-ft)	0.00	1.30	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	1.16	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1856.00* Profile: Q100

E.G. Elev (ft)	7049.97	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.37	Wt. n-Val.		0.040	
W.S. Elev (ft)	7049.60	Reach Len. (ft)	45.67	43.00	43.67
Crit W.S. (ft)	7049.56	Flow Area (sq ft)		59.26	
E.G. Slope (ft/ft)	0.022328	Area (sq ft)		59.26	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	71.90	Top Width (ft)		71.90	
Vel Total (ft/s)	4.88	Avg. Vel. (ft/s)		4.88	
Max Chl Dpth (ft)	1.23	Hydr. Depth (ft)		0.82	
Conv. Total (cfs)	1934.1	Conv. (cfs)		1934.1	
Length Wtd. (ft)	43.00	Wetted Per. (ft)		71.97	
Min Ch El (ft)	7048.37	Shear (lb/sq ft)		1.15	
Alpha	1.00	Stream Power (lb/ft s)		5.60	
Frctn Loss (ft)	0.94	Cum Volume (acre-ft)	0.00	1.24	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	1.09	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1813.00* Profile: Q100

E.G. Elev (ft)	7049.02	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.39	Wt. n-Val.		0.040	
W.S. Elev (ft)	7048.63	Reach Len. (ft)	45.67	43.00	43.67
Crit W.S. (ft)	7048.59	Flow Area (sq ft)		57.65	
E.G. Slope (ft/ft)	0.021565	Area (sq ft)		57.65	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	65.34	Top Width (ft)		65.34	
Vel Total (ft/s)	5.01	Avg. Vel. (ft/s)		5.01	
Max Chl Dpth (ft)	1.20	Hydr. Depth (ft)		0.88	
Conv. Total (cfs)	1968.0	Conv. (cfs)		1968.0	
Length Wtd. (ft)	43.00	Wetted Per. (ft)		65.45	
Min Ch El (ft)	7047.43	Shear (lb/sq ft)		1.19	
Alpha	1.00	Stream Power (lb/ft s)		5.94	
Frctn Loss (ft)	0.99	Cum Volume (acre-ft)	0.00	1.19	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	1.02	0.00

Errors Warnings and Notes

Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1770 Profile: Q100

E.G. Elev (ft)	7048.02	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.43	Wt. n-Val.		0.040	
W.S. Elev (ft)	7047.59	Reach Len. (ft)	45.74	45.26	62.76
Crit W.S. (ft)	7047.59	Flow Area (sq ft)		55.04	
E.G. Slope (ft/ft)	0.024819	Area (sq ft)		55.04	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	64.59	Top Width (ft)		64.59	
Vel Total (ft/s)	5.25	Avg. Vel. (ft/s)		5.25	
Max Chl Dpth (ft)	1.09	Hydr. Depth (ft)		0.85	
Conv. Total (cfs)	1834.4	Conv. (cfs)		1834.4	
Length Wtd. (ft)	45.26	Wetted Per. (ft)		64.76	
Min Ch El (ft)	7046.50	Shear (lb/sq ft)		1.32	
Alpha	1.00	Stream Power (lb/ft s)		6.91	
Frctn Loss (ft)	1.14	Cum Volume (acre-ft)	0.00	1.13	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	0.96	0.00

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program used critical
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Errors Warnings and Notes (Continued)

	depth for the water surface and continued on with the calculations.
Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning:	During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1724.75* Profile: Q100

E.G. Elev (ft)	7046.90	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.45	Wt. n-Val.		0.040	
W.S. Elev (ft)	7046.45	Reach Len. (ft)	45.74	45.26	62.76
Crit W.S. (ft)	7046.47	Flow Area (sq ft)		53.98	
E.G. Slope (ft/ft)	0.027009	Area (sq ft)		53.98	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	65.59	Top Width (ft)		65.59	
Vel Total (ft/s)	5.35	Avg. Vel. (ft/s)		5.35	
Max Chl Dpth (ft)	1.07	Hydr. Depth (ft)		0.82	
Conv. Total (cfs)	1758.5	Conv. (cfs)		1758.5	
Length Wtd. (ft)	45.26	Wetted Per. (ft)		65.72	
Min Ch El (ft)	7045.38	Shear (lb/sq ft)		1.38	
Alpha	1.00	Stream Power (lb/ft s)		7.41	
Frctn Loss (ft)	1.18	Cum Volume (acre-ft)	0.00	1.07	0.00
C & E Loss (ft)	0.02	Cum SA (acres)	0.00	0.89	0.00

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program selected the water surface that had the least amount of error between computed and assumed values.
Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Note:	Program found supercritical flow starting at this cross section.

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1679.50* Profile: Q100

E.G. Elev (ft)	7045.76	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.46	Wt. n-Val.		0.040	
W.S. Elev (ft)	7045.31	Reach Len. (ft)	45.74	45.26	62.76
Crit W.S. (ft)	7045.36	Flow Area (sq ft)		53.38	
E.G. Slope (ft/ft)	0.030720	Area (sq ft)		53.38	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	70.31	Top Width (ft)		70.31	
Vel Total (ft/s)	5.41	Avg. Vel. (ft/s)		5.41	
Max Chl Dpth (ft)	1.06	Hydr. Depth (ft)		0.76	
Conv. Total (cfs)	1648.9	Conv. (cfs)		1648.9	
Length Wtd. (ft)	45.26	Wetted Per. (ft)		70.41	
Min Ch El (ft)	7044.25	Shear (lb/sq ft)		1.45	
Alpha	1.00	Stream Power (lb/ft s)		7.87	
Frctn Loss (ft)	0.86	Cum Volume (acre-ft)	0.00	1.02	0.00
C & E Loss (ft)	0.04	Cum SA (acres)	0.00	0.82	0.00

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program selected the water surface that had the least amount of error between computed and assumed values.
Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1634.25* Profile: Q100

E.G. Elev (ft)	7044.61	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.27	Wt. n-Val.		0.040	
W.S. Elev (ft)	7044.34	Reach Len. (ft)	45.74	45.26	62.76
Crit W.S. (ft)	7044.20	Flow Area (sq ft)		69.41	
E.G. Slope (ft/ft)	0.014682	Area (sq ft)		69.41	
Q Total (cfs)	289.00	Flow (cfs)		289.00	
Top Width (ft)	77.86	Top Width (ft)		77.86	
Vel Total (ft/s)	4.16	Avg. Vel. (ft/s)		4.16	
Max Chl Dpth (ft)	1.22	Hydr. Depth (ft)		0.89	
Conv. Total (cfs)	2385.1	Conv. (cfs)		2385.1	
Length Wtd. (ft)	45.26	Wetted Per. (ft)		78.02	
Min Ch El (ft)	7043.12	Shear (lb/sq ft)		0.82	
Alpha	1.00	Stream Power (lb/ft s)		3.40	
Frctn Loss (ft)	0.70	Cum Volume (acre-ft)	0.00	0.95	0.00
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	0.74	0.00

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Note:	Hydraulic jump has occurred between this cross section and the previous upstream section.

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1589 Profile: Q100

E.G. Elev (ft)	7043.90	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.42	Wt. n-Val.		0.040	
W.S. Elev (ft)	7043.48	Reach Len. (ft)	32.44	33.58	31.14
Crit W.S. (ft)		Flow Area (sq ft)		96.08	
E.G. Slope (ft/ft)	0.015914	Area (sq ft)		96.08	
Q Total (cfs)	498.00	Flow (cfs)		498.00	
Top Width (ft)	82.31	Top Width (ft)		82.31	
Vel Total (ft/s)	5.18	Avg. Vel. (ft/s)		5.18	
Max Chl Dpth (ft)	1.48	Hydr. Depth (ft)		1.17	
Conv. Total (cfs)	3947.7	Conv. (cfs)		3947.7	
Length Wtd. (ft)	33.58	Wetted Per. (ft)		82.61	
Min Ch El (ft)	7042.00	Shear (lb/sq ft)		1.16	
Alpha	1.00	Stream Power (lb/ft s)		5.99	
Frctn Loss (ft)	0.53	Cum Volume (acre-ft)	0.00	0.87	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	0.66	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1555.43* Profile: Q100

E.G. Elev (ft)	7043.36	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.43	Wt. n-Val.		0.040	
W.S. Elev (ft)	7042.93	Reach Len. (ft)	32.44	33.58	31.14
Crit W.S. (ft)		Flow Area (sq ft)		94.55	
E.G. Slope (ft/ft)	0.015877	Area (sq ft)		94.55	
Q Total (cfs)	498.00	Flow (cfs)		498.00	
Top Width (ft)	78.95	Top Width (ft)		78.95	
Vel Total (ft/s)	5.27	Avg. Vel. (ft/s)		5.27	
Max Chl Dpth (ft)	1.54	Hydr. Depth (ft)		1.20	
Conv. Total (cfs)	3952.2	Conv. (cfs)		3952.2	
Length Wtd. (ft)	33.58	Wetted Per. (ft)		79.21	
Min Ch El (ft)	7041.39	Shear (lb/sq ft)		1.18	
Alpha	1.00	Stream Power (lb/ft s)		6.23	
Frctn Loss (ft)	0.53	Cum Volume (acre-ft)	0.00	0.80	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1555.43* Profile: Q100 (Continued)

C & E Loss (ft)	0.00	Cum SA (acres)	0.00	0.60	0.00
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1521.86* Profile: Q100

E.G. Elev (ft)	7042.83	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.44	Wt. n-Val.		0.040	
W.S. Elev (ft)	7042.39	Reach Len. (ft)	32.44	33.58	31.14
Crit W.S. (ft)		Flow Area (sq ft)		93.63	
E.G. Slope (ft/ft)	0.015520	Area (sq ft)		93.63	
Q Total (cfs)	498.00	Flow (cfs)		498.00	
Top Width (ft)	75.75	Top Width (ft)		75.75	
Vel Total (ft/s)	5.32	Avg. Vel. (ft/s)		5.32	
Max Chl Dpth (ft)	1.62	Hydr. Depth (ft)		1.24	
Conv. Total (cfs)	3997.5	Conv. (cfs)		3997.5	
Length Wtd. (ft)	33.58	Wetted Per. (ft)		75.99	
Min Ch El (ft)	7040.77	Shear (lb/sq ft)		1.19	
Alpha	1.00	Stream Power (lb/ft s)		6.35	
Frctn Loss (ft)	0.52	Cum Volume (acre-ft)	0.00	0.72	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	0.54	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1488.29* Profile: Q100

E.G. Elev (ft)	7042.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.46	Wt. n-Val.		0.040	
W.S. Elev (ft)	7041.85	Reach Len. (ft)	32.44	33.58	31.14
Crit W.S. (ft)	7041.71	Flow Area (sq ft)		91.64	
E.G. Slope (ft/ft)	0.015707	Area (sq ft)		91.64	
Q Total (cfs)	498.00	Flow (cfs)		498.00	
Top Width (ft)	72.44	Top Width (ft)		72.44	
Vel Total (ft/s)	5.43	Avg. Vel. (ft/s)		5.43	
Max Chl Dpth (ft)	1.69	Hydr. Depth (ft)		1.26	
Conv. Total (cfs)	3973.6	Conv. (cfs)		3973.6	
Length Wtd. (ft)	33.58	Wetted Per. (ft)		72.66	
Min Ch El (ft)	7040.16	Shear (lb/sq ft)		1.24	
Alpha	1.00	Stream Power (lb/ft s)		6.72	
Frctn Loss (ft)	0.52	Cum Volume (acre-ft)	0.00	0.65	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	0.48	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1454.71* Profile: Q100

E.G. Elev (ft)	7041.79	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.47	Wt. n-Val.		0.040	
W.S. Elev (ft)	7041.32	Reach Len. (ft)	32.44	33.58	31.14
Crit W.S. (ft)		Flow Area (sq ft)		90.86	
E.G. Slope (ft/ft)	0.015266	Area (sq ft)		90.86	
Q Total (cfs)	498.00	Flow (cfs)		498.00	
Top Width (ft)	69.41	Top Width (ft)		69.41	
Vel Total (ft/s)	5.48	Avg. Vel. (ft/s)		5.48	
Max Chl Dpth (ft)	1.78	Hydr. Depth (ft)		1.31	
Conv. Total (cfs)	4030.6	Conv. (cfs)		4030.6	
Length Wtd. (ft)	33.58	Wetted Per. (ft)		69.63	
Min Ch El (ft)	7039.54	Shear (lb/sq ft)		1.24	
Alpha	1.00	Stream Power (lb/ft s)		6.82	
Frctn Loss (ft)	0.51	Cum Volume (acre-ft)	0.00	0.58	0.00
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	0.42	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1421.14* Profile: Q100

E.G. Elev (ft)	7041.27	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.48	Wt. n-Val.		0.040	
W.S. Elev (ft)	7040.79	Reach Len. (ft)	32.44	33.58	31.14
Crit W.S. (ft)		Flow Area (sq ft)		89.19	
E.G. Slope (ft/ft)	0.015304	Area (sq ft)		89.19	
Q Total (cfs)	498.00	Flow (cfs)		498.00	
Top Width (ft)	66.38	Top Width (ft)		66.38	
Vel Total (ft/s)	5.58	Avg. Vel. (ft/s)		5.58	
Max Chl Dpth (ft)	1.86	Hydr. Depth (ft)		1.34	
Conv. Total (cfs)	4025.6	Conv. (cfs)		4025.6	
Length Wtd. (ft)	33.58	Wetted Per. (ft)		66.60	
Min Ch El (ft)	7038.93	Shear (lb/sq ft)		1.28	
Alpha	1.00	Stream Power (lb/ft s)		7.14	
Frctn Loss (ft)	0.48	Cum Volume (acre-ft)	0.00	0.51	0.00
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	0.37	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1387.57* Profile: Q100

E.G. Elev (ft)	7040.78	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.46	Wt. n-Val.		0.040	0.000
W.S. Elev (ft)	7040.32	Reach Len. (ft)	32.44	33.58	31.14
Crit W.S. (ft)		Flow Area (sq ft)		91.34	0.00
E.G. Slope (ft/ft)	0.013559	Area (sq ft)	0.00	91.34	0.00
Q Total (cfs)	498.00	Flow (cfs)		498.00	0.00
Top Width (ft)	64.42	Top Width (ft)	0.03	64.30	0.09
Vel Total (ft/s)	5.45	Avg. Vel. (ft/s)		5.45	0.09
Max Chl Dpth (ft)	2.01	Hydr. Depth (ft)		1.42	0.00
Conv. Total (cfs)	4276.7	Conv. (cfs)		4276.7	0.0
Length Wtd. (ft)	33.58	Wetted Per. (ft)		64.54	0.09
Min Ch El (ft)	7038.31	Shear (lb/sq ft)		1.20	
Alpha	1.00	Stream Power (lb/ft s)		6.53	
Frctn Loss (ft)	0.52	Cum Volume (acre-ft)	0.00	0.44	0.00
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	0.32	0.00

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1354 Profile: Q100

E.G. Elev (ft)	7040.25	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.58	Wt. n-Val.		0.040	
W.S. Elev (ft)	7039.67	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)	7039.59	Flow Area (sq ft)		81.71	
E.G. Slope (ft/ft)	0.018029	Area (sq ft)		81.71	
Q Total (cfs)	498.00	Flow (cfs)		498.00	
Top Width (ft)	60.24	Top Width (ft)		60.24	
Vel Total (ft/s)	6.09	Avg. Vel. (ft/s)		6.09	
Max Chl Dpth (ft)	1.97	Hydr. Depth (ft)		1.36	
Conv. Total (cfs)	3708.9	Conv. (cfs)		3708.9	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		60.50	
Min Ch El (ft)	7037.70	Shear (lb/sq ft)		1.52	
Alpha	1.00	Stream Power (lb/ft s)		9.27	
Frctn Loss (ft)	0.32	Cum Volume (acre-ft)		0.38	
C & E Loss (ft)	0.00	Cum SA (acres)		0.27	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1335.88* Profile: Q100

E.G. Elev (ft)	7039.92	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.56	Wt. n-Val.		0.040	
W.S. Elev (ft)	7039.36	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)	7039.26	Flow Area (sq ft)		82.84	
E.G. Slope (ft/ft)	0.017683	Area (sq ft)		82.84	
Q Total (cfs)	498.00	Flow (cfs)		498.00	
Top Width (ft)	61.47	Top Width (ft)		61.47	
Vel Total (ft/s)	6.01	Avg. Vel. (ft/s)		6.01	
Max Chl Dpth (ft)	1.90	Hydr. Depth (ft)		1.35	
Conv. Total (cfs)	3745.0	Conv. (cfs)		3745.0	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		61.70	
Min Ch El (ft)	7037.46	Shear (lb/sq ft)		1.48	
Alpha	1.00	Stream Power (lb/ft s)		8.91	
Frctn Loss (ft)	0.32	Cum Volume (acre-ft)		0.34	
C & E Loss (ft)	0.00	Cum SA (acres)		0.25	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1317.75* Profile: Q100

E.G. Elev (ft)	7039.59	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.55	Wt. n-Val.		0.040	
W.S. Elev (ft)	7039.05	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)	7038.94	Flow Area (sq ft)		83.87	
E.G. Slope (ft/ft)	0.017467	Area (sq ft)		83.87	
Q Total (cfs)	498.00	Flow (cfs)		498.00	
Top Width (ft)	62.83	Top Width (ft)		62.83	
Vel Total (ft/s)	5.94	Avg. Vel. (ft/s)		5.94	
Max Chl Dpth (ft)	1.82	Hydr. Depth (ft)		1.33	
Conv. Total (cfs)	3768.1	Conv. (cfs)		3768.1	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		63.06	
Min Ch El (ft)	7037.23	Shear (lb/sq ft)		1.45	
Alpha	1.00	Stream Power (lb/ft s)		8.61	
Frctn Loss (ft)	0.32	Cum Volume (acre-ft)		0.31	
C & E Loss (ft)	0.00	Cum SA (acres)		0.22	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1299.63* Profile: Q100

E.G. Elev (ft)	7039.27	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.54	Wt. n-Val.		0.040	
W.S. Elev (ft)	7038.74	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)	7038.65	Flow Area (sq ft)		84.79	
E.G. Slope (ft/ft)	0.017400	Area (sq ft)		84.79	
Q Total (cfs)	498.00	Flow (cfs)		498.00	
Top Width (ft)	64.39	Top Width (ft)		64.39	
Vel Total (ft/s)	5.87	Avg. Vel. (ft/s)		5.87	
Max Chl Dpth (ft)	1.75	Hydr. Depth (ft)		1.32	
Conv. Total (cfs)	3775.4	Conv. (cfs)		3775.4	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		64.61	
Min Ch El (ft)	7036.99	Shear (lb/sq ft)		1.43	
Alpha	1.00	Stream Power (lb/ft s)		8.37	
Frctn Loss (ft)	0.32	Cum Volume (acre-ft)		0.27	
C & E Loss (ft)	0.00	Cum SA (acres)		0.20	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1281.50* Profile: Q100

E.G. Elev (ft)	7038.95	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.53	Wt. n-Val.		0.040	
W.S. Elev (ft)	7038.43	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)		Flow Area (sq ft)		85.66	
E.G. Slope (ft/ft)	0.017388	Area (sq ft)		85.66	
Q Total (cfs)	498.00	Flow (cfs)		498.00	
Top Width (ft)	66.02	Top Width (ft)		66.02	
Vel Total (ft/s)	5.81	Avg. Vel. (ft/s)		5.81	
Max Chl Dpth (ft)	1.68	Hydr. Depth (ft)		1.30	
Conv. Total (cfs)	3776.6	Conv. (cfs)		3776.6	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		66.25	
Min Ch El (ft)	7036.75	Shear (lb/sq ft)		1.40	
Alpha	1.00	Stream Power (lb/ft s)		8.16	
Frctn Loss (ft)	0.31	Cum Volume (acre-ft)		0.24	
C & E Loss (ft)	0.01	Cum SA (acres)		0.17	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1263.38* Profile: Q100

E.G. Elev (ft)	7038.64	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.50	Wt. n-Val.		0.040	
W.S. Elev (ft)	7038.14	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)		Flow Area (sq ft)		87.59	
E.G. Slope (ft/ft)	0.016736	Area (sq ft)		87.59	
Q Total (cfs)	498.00	Flow (cfs)		498.00	
Top Width (ft)	67.82	Top Width (ft)		67.82	
Vel Total (ft/s)	5.69	Avg. Vel. (ft/s)		5.69	
Max Chl Dpth (ft)	1.63	Hydr. Depth (ft)		1.29	
Conv. Total (cfs)	3849.5	Conv. (cfs)		3849.5	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		68.07	
Min Ch El (ft)	7036.51	Shear (lb/sq ft)		1.34	
Alpha	1.00	Stream Power (lb/ft s)		7.64	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)		0.20	
C & E Loss (ft)	0.02	Cum SA (acres)		0.14	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1245.25* Profile: Q100

E.G. Elev (ft)	7038.34	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.45	Wt. n-Val.		0.040	
W.S. Elev (ft)	7037.89	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)		Flow Area (sq ft)		92.54	
E.G. Slope (ft/ft)	0.014553	Area (sq ft)		92.54	
Q Total (cfs)	498.00	Flow (cfs)		498.00	
Top Width (ft)	70.04	Top Width (ft)		70.04	
Vel Total (ft/s)	5.38	Avg. Vel. (ft/s)		5.38	
Max Chl Dpth (ft)	1.62	Hydr. Depth (ft)		1.32	
Conv. Total (cfs)	4128.1	Conv. (cfs)		4128.1	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		70.32	
Min Ch El (ft)	7036.27	Shear (lb/sq ft)		1.20	
Alpha	1.00	Stream Power (lb/ft s)		6.43	
Frctn Loss (ft)	0.22	Cum Volume (acre-ft)		0.16	
C & E Loss (ft)	0.03	Cum SA (acres)		0.11	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1227.13* Profile: Q100

E.G. Elev (ft)	7038.09	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.36	Wt. n-Val.		0.040	
W.S. Elev (ft)	7037.74	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)		Flow Area (sq ft)		103.92	
E.G. Slope (ft/ft)	0.010435	Area (sq ft)		103.92	
Q Total (cfs)	498.00	Flow (cfs)		498.00	
Top Width (ft)	72.89	Top Width (ft)		72.89	
Vel Total (ft/s)	4.79	Avg. Vel. (ft/s)		4.79	
Max Chl Dpth (ft)	1.69	Hydr. Depth (ft)		1.43	
Conv. Total (cfs)	4875.0	Conv. (cfs)		4875.0	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		73.23	
Min Ch EI (ft)	7036.04	Shear (lb/sq ft)		0.92	
Alpha	1.00	Stream Power (lb/ft s)		4.43	
Frctn Loss (ft)	0.15	Cum Volume (acre-ft)		0.12	
C & E Loss (ft)	0.03	Cum SA (acres)		0.08	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1209 Profile: Q100

E.G. Elev (ft)	7037.92	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.26	Wt. n-Val.		0.040	
W.S. Elev (ft)	7037.66	Reach Len. (ft)	17.50	18.00	16.00
Crit W.S. (ft)		Flow Area (sq ft)		121.79	
E.G. Slope (ft/ft)	0.006550	Area (sq ft)		121.79	
Q Total (cfs)	498.00	Flow (cfs)		498.00	
Top Width (ft)	76.35	Top Width (ft)		76.35	
Vel Total (ft/s)	4.09	Avg. Vel. (ft/s)		4.09	
Max Chl Dpth (ft)	1.85	Hydr. Depth (ft)		1.60	
Conv. Total (cfs)	6153.2	Conv. (cfs)		6153.2	
Length Wtd. (ft)	18.00	Wetted Per. (ft)		76.78	
Min Ch EI (ft)	7035.80	Shear (lb/sq ft)		0.65	
Alpha	1.00	Stream Power (lb/ft s)		2.65	
Frctn Loss (ft)	0.19	Cum Volume (acre-ft)		0.07	
C & E Loss (ft)	0.03	Cum SA (acres)		0.05	

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1191.00* Profile: Q100

E.G. Elev (ft)	7037.69	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.58	Wt. n-Val.		0.040	
W.S. Elev (ft)	7037.11	Reach Len. (ft)	17.50	18.00	16.00
Crit W.S. (ft)	7037.05	Flow Area (sq ft)		81.38	
E.G. Slope (ft/ft)	0.019197	Area (sq ft)		81.38	
Q Total (cfs)	498.00	Flow (cfs)		498.00	
Top Width (ft)	62.53	Top Width (ft)		62.53	
Vel Total (ft/s)	6.12	Avg. Vel. (ft/s)		6.12	
Max Chl Dpth (ft)	1.71	Hydr. Depth (ft)		1.30	
Conv. Total (cfs)	3594.3	Conv. (cfs)		3594.3	
Length Wtd. (ft)	18.00	Wetted Per. (ft)		62.78	
Min Ch EI (ft)	7035.40	Shear (lb/sq ft)		1.55	
Alpha	1.00	Stream Power (lb/ft s)		9.51	
Frctn Loss (ft)	0.33	Cum Volume (acre-ft)		0.03	
C & E Loss (ft)	0.01	Cum SA (acres)		0.02	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1173 Profile: Q100

E.G. Elev (ft)	7037.36	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.66	Wt. n-Val.		0.040	
W.S. Elev (ft)	7036.70	Reach Len. (ft)			
Crit W.S. (ft)	7036.62	Flow Area (sq ft)		76.52	
E.G. Slope (ft/ft)	0.017710	Area (sq ft)		76.52	
Q Total (cfs)	498.00	Flow (cfs)		498.00	
Top Width (ft)	50.07	Top Width (ft)		50.07	
Vel Total (ft/s)	6.51	Avg. Vel. (ft/s)		6.51	
Max Chl Dpth (ft)	1.70	Hydr. Depth (ft)		1.53	
Conv. Total (cfs)	3742.1	Conv. (cfs)		3742.1	
Length Wtd. (ft)		Wetted Per. (ft)		50.67	
Min Ch El (ft)	7035.00	Shear (lb/sq ft)		1.67	
Alpha	1.00	Stream Power (lb/ft s)		10.87	
Frctn Loss (ft)		Cum Volume (acre-ft)			
C & E Loss (ft)		Cum SA (acres)			

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 4141 Profile: Q010

E.G. Elev (ft)	7089.81	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.		0.040	
W.S. Elev (ft)	7089.69	Reach Len. (ft)	26.60	28.80	30.40
Crit W.S. (ft)	7089.65	Flow Area (sq ft)		10.08	
E.G. Slope (ft/ft)	0.023758	Area (sq ft)		10.08	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	29.81	Top Width (ft)		29.81	
Vel Total (ft/s)	2.78	Avg. Vel. (ft/s)		2.78	
Max Chl Dpth (ft)	0.49	Hydr. Depth (ft)		0.34	
Conv. Total (cfs)	181.7	Conv. (cfs)		181.7	
Length Wtd. (ft)	28.80	Wetted Per. (ft)		29.84	
Min Ch El (ft)	7089.20	Shear (lb/sq ft)		0.50	
Alpha	1.00	Stream Power (lb/ft s)		1.39	
Frctn Loss (ft)	0.66	Cum Volume (acre-ft)		1.17	
C & E Loss (ft)	0.00	Cum SA (acres)		3.32	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 4112.20* Profile: Q010

E.G. Elev (ft)	7089.15	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.11	Wt. n-Val.		0.040	
W.S. Elev (ft)	7089.04	Reach Len. (ft)	26.60	28.80	30.40
Crit W.S. (ft)		Flow Area (sq ft)		10.33	
E.G. Slope (ft/ft)	0.021964	Area (sq ft)		10.33	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	29.86	Top Width (ft)		29.86	
Vel Total (ft/s)	2.71	Avg. Vel. (ft/s)		2.71	
Max Chl Dpth (ft)	0.50	Hydr. Depth (ft)		0.35	
Conv. Total (cfs)	188.9	Conv. (cfs)		188.9	
Length Wtd. (ft)	28.80	Wetted Per. (ft)		29.90	
Min Ch El (ft)	7088.54	Shear (lb/sq ft)		0.47	
Alpha	1.00	Stream Power (lb/ft s)		1.28	
Frctn Loss (ft)	0.67	Cum Volume (acre-ft)		1.17	
C & E Loss (ft)	0.00	Cum SA (acres)		3.30	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 4083.40* Profile: Q010

E.G. Elev (ft)	7088.48	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.		0.040	
W.S. Elev (ft)	7088.36	Reach Len. (ft)	26.60	28.80	30.40
Crit W.S. (ft)	7088.32	Flow Area (sq ft)		9.92	
E.G. Slope (ft/ft)	0.025041	Area (sq ft)		9.92	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	29.82	Top Width (ft)		29.82	
Vel Total (ft/s)	2.82	Avg. Vel. (ft/s)		2.82	
Max Chl Dpth (ft)	0.48	Hydr. Depth (ft)		0.33	
Conv. Total (cfs)	176.9	Conv. (cfs)		176.9	
Length Wtd. (ft)	28.80	Wetted Per. (ft)		29.85	
Min Ch El (ft)	7087.88	Shear (lb/sq ft)		0.52	
Alpha	1.00	Stream Power (lb/ft s)		1.47	
Frctn Loss (ft)	0.65	Cum Volume (acre-ft)		1.16	
C & E Loss (ft)	0.00	Cum SA (acres)		3.28	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 4054.60* Profile: Q010

E.G. Elev (ft)	7087.82	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.11	Wt. n-Val.		0.040	
W.S. Elev (ft)	7087.71	Reach Len. (ft)	26.60	28.80	30.40
Crit W.S. (ft)	7087.66	Flow Area (sq ft)		10.61	
E.G. Slope (ft/ft)	0.020331	Area (sq ft)		10.61	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	30.14	Top Width (ft)		30.14	
Vel Total (ft/s)	2.64	Avg. Vel. (ft/s)		2.64	
Max Chl Dpth (ft)	0.49	Hydr. Depth (ft)		0.35	
Conv. Total (cfs)	196.4	Conv. (cfs)		196.4	
Length Wtd. (ft)	28.80	Wetted Per. (ft)		30.18	
Min Ch El (ft)	7087.22	Shear (lb/sq ft)		0.45	
Alpha	1.00	Stream Power (lb/ft s)		1.18	
Frctn Loss (ft)	0.68	Cum Volume (acre-ft)		1.15	
C & E Loss (ft)	0.00	Cum SA (acres)		3.26	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 4025.80* Profile: Q010

E.G. Elev (ft)	7087.14	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.13	Wt. n-Val.		0.040	
W.S. Elev (ft)	7087.00	Reach Len. (ft)	26.60	28.80	30.40
Crit W.S. (ft)	7086.98	Flow Area (sq ft)		9.57	
E.G. Slope (ft/ft)	0.027563	Area (sq ft)		9.57	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	29.22	Top Width (ft)		29.22	
Vel Total (ft/s)	2.93	Avg. Vel. (ft/s)		2.93	
Max Chl Dpth (ft)	0.44	Hydr. Depth (ft)		0.33	
Conv. Total (cfs)	168.7	Conv. (cfs)		168.7	
Length Wtd. (ft)	28.80	Wetted Per. (ft)		29.25	
Min Ch El (ft)	7086.56	Shear (lb/sq ft)		0.56	
Alpha	1.00	Stream Power (lb/ft s)		1.65	
Frctn Loss (ft)	0.66	Cum Volume (acre-ft)		1.15	
C & E Loss (ft)	0.01	Cum SA (acres)		3.24	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3997 Profile: Q010

E.G. Elev (ft)	7086.47	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.11	Wt. n-Val.		0.040	
W.S. Elev (ft)	7086.36	Reach Len. (ft)	20.83	19.50	18.33
Crit W.S. (ft)		Flow Area (sq ft)		10.42	
E.G. Slope (ft/ft)	0.019541	Area (sq ft)		10.42	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	27.91	Top Width (ft)		27.91	
Vel Total (ft/s)	2.69	Avg. Vel. (ft/s)		2.69	
Max Chl Dpth (ft)	0.46	Hydr. Depth (ft)		0.37	
Conv. Total (cfs)	200.3	Conv. (cfs)		200.3	
Length Wtd. (ft)	19.50	Wetted Per. (ft)		27.99	
Min Ch El (ft)	7085.90	Shear (lb/sq ft)		0.45	
Alpha	1.00	Stream Power (lb/ft s)		1.22	
Frctn Loss (ft)	0.37	Cum Volume (acre-ft)		1.14	
C & E Loss (ft)	0.00	Cum SA (acres)		3.23	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3977.50* Profile: Q010

E.G. Elev (ft)	7086.10	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.11	Wt. n-Val.		0.040	
W.S. Elev (ft)	7085.99	Reach Len. (ft)	20.83	19.50	18.33
Crit W.S. (ft)		Flow Area (sq ft)		10.57	
E.G. Slope (ft/ft)	0.018411	Area (sq ft)		10.57	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	27.66	Top Width (ft)		27.66	
Vel Total (ft/s)	2.65	Avg. Vel. (ft/s)		2.65	
Max Chl Dpth (ft)	0.47	Hydr. Depth (ft)		0.38	
Conv. Total (cfs)	206.4	Conv. (cfs)		206.4	
Length Wtd. (ft)	19.50	Wetted Per. (ft)		27.73	
Min Ch El (ft)	7085.52	Shear (lb/sq ft)		0.44	
Alpha	1.00	Stream Power (lb/ft s)		1.16	
Frctn Loss (ft)	0.37	Cum Volume (acre-ft)		1.13	
C & E Loss (ft)	0.00	Cum SA (acres)		3.21	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3958.00* Profile: Q010

E.G. Elev (ft)	7085.72	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.11	Wt. n-Val.		0.040	
W.S. Elev (ft)	7085.61	Reach Len. (ft)	20.83	19.50	18.33
Crit W.S. (ft)		Flow Area (sq ft)		10.30	
E.G. Slope (ft/ft)	0.019513	Area (sq ft)		10.30	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	27.13	Top Width (ft)		27.13	
Vel Total (ft/s)	2.72	Avg. Vel. (ft/s)		2.72	
Max Chl Dpth (ft)	0.48	Hydr. Depth (ft)		0.38	
Conv. Total (cfs)	200.4	Conv. (cfs)		200.4	
Length Wtd. (ft)	19.50	Wetted Per. (ft)		27.20	
Min Ch El (ft)	7085.13	Shear (lb/sq ft)		0.46	
Alpha	1.00	Stream Power (lb/ft s)		1.25	
Frctn Loss (ft)	0.39	Cum Volume (acre-ft)		1.13	
C & E Loss (ft)	0.00	Cum SA (acres)		3.20	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3938.50* Profile: Q010

E.G. Elev (ft)	7085.34	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.		0.040	
W.S. Elev (ft)	7085.22	Reach Len. (ft)	20.83	19.50	18.33
Crit W.S. (ft)		Flow Area (sq ft)		10.11	
E.G. Slope (ft/ft)	0.020221	Area (sq ft)		10.11	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	26.53	Top Width (ft)		26.53	
Vel Total (ft/s)	2.77	Avg. Vel. (ft/s)		2.77	
Max Chl Dpth (ft)	0.47	Hydr. Depth (ft)		0.38	
Conv. Total (cfs)	196.9	Conv. (cfs)		196.9	
Length Wtd. (ft)	19.50	Wetted Per. (ft)		26.60	
Min Ch El (ft)	7084.75	Shear (lb/sq ft)		0.48	
Alpha	1.00	Stream Power (lb/ft s)		1.33	
Frctn Loss (ft)	0.37	Cum Volume (acre-ft)		1.13	
C & E Loss (ft)	0.00	Cum SA (acres)		3.19	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3919.00* Profile: Q010

E.G. Elev (ft)	7084.96	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.11	Wt. n-Val.		0.040	
W.S. Elev (ft)	7084.85	Reach Len. (ft)	20.83	19.50	18.33
Crit W.S. (ft)		Flow Area (sq ft)		10.38	
E.G. Slope (ft/ft)	0.018278	Area (sq ft)		10.38	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	26.27	Top Width (ft)		26.27	
Vel Total (ft/s)	2.70	Avg. Vel. (ft/s)		2.70	
Max Chl Dpth (ft)	0.48	Hydr. Depth (ft)		0.40	
Conv. Total (cfs)	207.1	Conv. (cfs)		207.1	
Length Wtd. (ft)	19.50	Wetted Per. (ft)		26.34	
Min Ch El (ft)	7084.37	Shear (lb/sq ft)		0.45	
Alpha	1.00	Stream Power (lb/ft s)		1.21	
Frctn Loss (ft)	0.40	Cum Volume (acre-ft)		1.12	
C & E Loss (ft)	0.00	Cum SA (acres)		3.18	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3899.50* Profile: Q010

E.G. Elev (ft)	7084.56	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.13	Wt. n-Val.		0.040	
W.S. Elev (ft)	7084.43	Reach Len. (ft)	20.83	19.50	18.33
Crit W.S. (ft)		Flow Area (sq ft)		9.61	
E.G. Slope (ft/ft)	0.023059	Area (sq ft)		9.61	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	25.78	Top Width (ft)		25.78	
Vel Total (ft/s)	2.92	Avg. Vel. (ft/s)		2.92	
Max Chl Dpth (ft)	0.45	Hydr. Depth (ft)		0.37	
Conv. Total (cfs)	184.4	Conv. (cfs)		184.4	
Length Wtd. (ft)	19.50	Wetted Per. (ft)		25.86	
Min Ch El (ft)	7083.98	Shear (lb/sq ft)		0.53	
Alpha	1.00	Stream Power (lb/ft s)		1.56	
Frctn Loss (ft)	0.35	Cum Volume (acre-ft)		1.12	
C & E Loss (ft)	0.01	Cum SA (acres)		3.17	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3880 Profile: Q010

E.G. Elev (ft)	7084.20	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.040	
W.S. Elev (ft)	7084.11	Reach Len. (ft)	35.00	36.00	36.60
Crit W.S. (ft)		Flow Area (sq ft)		11.11	
E.G. Slope (ft/ft)	0.014464	Area (sq ft)		11.11	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	26.12	Top Width (ft)		26.12	
Vel Total (ft/s)	2.52	Avg. Vel. (ft/s)		2.52	
Max Chl Dpth (ft)	0.50	Hydr. Depth (ft)		0.43	
Conv. Total (cfs)	232.8	Conv. (cfs)		232.8	
Length Wtd. (ft)	36.00	Wetted Per. (ft)		26.23	
Min Ch El (ft)	7083.60	Shear (lb/sq ft)		0.38	
Alpha	1.00	Stream Power (lb/ft s)		0.96	
Frctn Loss (ft)	0.53	Cum Volume (acre-ft)		1.11	
C & E Loss (ft)	0.00	Cum SA (acres)		3.15	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3844.00* Profile: Q010

E.G. Elev (ft)	7083.67	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.040	
W.S. Elev (ft)	7083.57	Reach Len. (ft)	35.00	36.00	36.60
Crit W.S. (ft)		Flow Area (sq ft)		10.97	
E.G. Slope (ft/ft)	0.015137	Area (sq ft)		10.97	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	26.18	Top Width (ft)		26.18	
Vel Total (ft/s)	2.55	Avg. Vel. (ft/s)		2.55	
Max Chl Dpth (ft)	0.51	Hydr. Depth (ft)		0.42	
Conv. Total (cfs)	227.6	Conv. (cfs)		227.6	
Length Wtd. (ft)	36.00	Wetted Per. (ft)		26.26	
Min Ch El (ft)	7083.06	Shear (lb/sq ft)		0.39	
Alpha	1.00	Stream Power (lb/ft s)		1.01	
Frctn Loss (ft)	0.53	Cum Volume (acre-ft)		1.10	
C & E Loss (ft)	0.00	Cum SA (acres)		3.13	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3808.00* Profile: Q010

E.G. Elev (ft)	7083.14	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.040	
W.S. Elev (ft)	7083.04	Reach Len. (ft)	35.00	36.00	36.60
Crit W.S. (ft)		Flow Area (sq ft)		11.12	
E.G. Slope (ft/ft)	0.014547	Area (sq ft)		11.12	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	26.33	Top Width (ft)		26.33	
Vel Total (ft/s)	2.52	Avg. Vel. (ft/s)		2.52	
Max Chl Dpth (ft)	0.52	Hydr. Depth (ft)		0.42	
Conv. Total (cfs)	232.1	Conv. (cfs)		232.1	
Length Wtd. (ft)	36.00	Wetted Per. (ft)		26.41	
Min Ch El (ft)	7082.52	Shear (lb/sq ft)		0.38	
Alpha	1.00	Stream Power (lb/ft s)		0.96	
Frctn Loss (ft)	0.54	Cum Volume (acre-ft)		1.09	
C & E Loss (ft)	0.00	Cum SA (acres)		3.11	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3772.00* Profile: Q010

E.G. Elev (ft)	7082.59	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.040	
W.S. Elev (ft)	7082.49	Reach Len. (ft)	35.00	36.00	36.60
Crit W.S. (ft)		Flow Area (sq ft)		10.87	
E.G. Slope (ft/ft)	0.015730	Area (sq ft)		10.87	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	26.37	Top Width (ft)		26.37	
Vel Total (ft/s)	2.58	Avg. Vel. (ft/s)		2.58	
Max Chl Dpth (ft)	0.51	Hydr. Depth (ft)		0.41	
Conv. Total (cfs)	223.3	Conv. (cfs)		223.3	
Length Wtd. (ft)	36.00	Wetted Per. (ft)		26.44	
Min Ch El (ft)	7081.98	Shear (lb/sq ft)		0.40	
Alpha	1.00	Stream Power (lb/ft s)		1.04	
Frctn Loss (ft)	0.54	Cum Volume (acre-ft)		1.08	
C & E Loss (ft)	0.00	Cum SA (acres)		3.09	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3736.00* Profile: Q010

E.G. Elev (ft)	7082.05	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.040	
W.S. Elev (ft)	7081.96	Reach Len. (ft)	35.00	36.00	36.60
Crit W.S. (ft)		Flow Area (sq ft)		11.20	
E.G. Slope (ft/ft)	0.014431	Area (sq ft)		11.20	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	26.62	Top Width (ft)		26.62	
Vel Total (ft/s)	2.50	Avg. Vel. (ft/s)		2.50	
Max Chl Dpth (ft)	0.51	Hydr. Depth (ft)		0.42	
Conv. Total (cfs)	233.1	Conv. (cfs)		233.1	
Length Wtd. (ft)	36.00	Wetted Per. (ft)		26.69	
Min Ch El (ft)	7081.44	Shear (lb/sq ft)		0.38	
Alpha	1.00	Stream Power (lb/ft s)		0.95	
Frctn Loss (ft)	0.57	Cum Volume (acre-ft)		1.08	
C & E Loss (ft)	0.00	Cum SA (acres)		3.07	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3700 Profile: Q010

E.G. Elev (ft)	7081.49	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.11	Wt. n-Val.		0.040	
W.S. Elev (ft)	7081.38	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		10.62	
E.G. Slope (ft/ft)	0.017152	Area (sq ft)		10.62	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	26.52	Top Width (ft)		26.52	
Vel Total (ft/s)	2.64	Avg. Vel. (ft/s)		2.64	
Max Chl Dpth (ft)	0.48	Hydr. Depth (ft)		0.40	
Conv. Total (cfs)	213.8	Conv. (cfs)		213.8	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		26.60	
Min Ch El (ft)	7080.90	Shear (lb/sq ft)		0.43	
Alpha	1.00	Stream Power (lb/ft s)		1.13	
Frctn Loss (ft)	0.42	Cum Volume (acre-ft)		1.07	
C & E Loss (ft)	0.00	Cum SA (acres)		3.04	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3675.00* Profile: Q010

E.G. Elev (ft)	7081.07	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.040	
W.S. Elev (ft)	7080.96	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		10.91	
E.G. Slope (ft/ft)	0.016524	Area (sq ft)		10.91	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	27.61	Top Width (ft)		27.61	
Vel Total (ft/s)	2.57	Avg. Vel. (ft/s)		2.57	
Max Chl Dpth (ft)	0.48	Hydr. Depth (ft)		0.40	
Conv. Total (cfs)	217.8	Conv. (cfs)		217.8	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		27.68	
Min Ch El (ft)	7080.48	Shear (lb/sq ft)		0.41	
Alpha	1.00	Stream Power (lb/ft s)		1.04	
Frctn Loss (ft)	0.42	Cum Volume (acre-ft)		1.06	
C & E Loss (ft)	0.00	Cum SA (acres)		3.03	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3650.00* Profile: Q010

E.G. Elev (ft)	7080.64	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.040	
W.S. Elev (ft)	7080.53	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		10.93	
E.G. Slope (ft/ft)	0.017208	Area (sq ft)		10.93	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	28.63	Top Width (ft)		28.63	
Vel Total (ft/s)	2.56	Avg. Vel. (ft/s)		2.56	
Max Chl Dpth (ft)	0.48	Hydr. Depth (ft)		0.38	
Conv. Total (cfs)	213.4	Conv. (cfs)		213.4	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		28.69	
Min Ch El (ft)	7080.05	Shear (lb/sq ft)		0.41	
Alpha	1.00	Stream Power (lb/ft s)		1.05	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		1.05	
C & E Loss (ft)	0.00	Cum SA (acres)		3.01	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3625.00* Profile: Q010

E.G. Elev (ft)	7080.20	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.040	
W.S. Elev (ft)	7080.10	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		11.07	
E.G. Slope (ft/ft)	0.017278	Area (sq ft)		11.07	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	29.65	Top Width (ft)		29.65	
Vel Total (ft/s)	2.53	Avg. Vel. (ft/s)		2.53	
Max Chl Dpth (ft)	0.48	Hydr. Depth (ft)		0.37	
Conv. Total (cfs)	213.0	Conv. (cfs)		213.0	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		29.70	
Min Ch El (ft)	7079.62	Shear (lb/sq ft)		0.40	
Alpha	1.00	Stream Power (lb/ft s)		1.02	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		1.05	
C & E Loss (ft)	0.00	Cum SA (acres)		3.00	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3600.00* Profile: Q010

E.G. Elev (ft)	7079.77	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.040	
W.S. Elev (ft)	7079.68	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		11.28	
E.G. Slope (ft/ft)	0.016947	Area (sq ft)		11.28	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	30.65	Top Width (ft)		30.65	
Vel Total (ft/s)	2.48	Avg. Vel. (ft/s)		2.48	
Max Chl Dpth (ft)	0.48	Hydr. Depth (ft)		0.37	
Conv. Total (cfs)	215.1	Conv. (cfs)		215.1	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		30.70	
Min Ch El (ft)	7079.20	Shear (lb/sq ft)		0.39	
Alpha	1.00	Stream Power (lb/ft s)		0.97	
Frctn Loss (ft)	0.44	Cum Volume (acre-ft)		1.04	
C & E Loss (ft)	0.00	Cum SA (acres)		2.98	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3575.00* Profile: Q010

E.G. Elev (ft)	7079.34	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.040	
W.S. Elev (ft)	7079.24	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		11.21	
E.G. Slope (ft/ft)	0.017895	Area (sq ft)		11.21	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	31.42	Top Width (ft)		31.42	
Vel Total (ft/s)	2.50	Avg. Vel. (ft/s)		2.50	
Max Chl Dpth (ft)	0.47	Hydr. Depth (ft)		0.36	
Conv. Total (cfs)	209.3	Conv. (cfs)		209.3	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		31.47	
Min Ch El (ft)	7078.77	Shear (lb/sq ft)		0.40	
Alpha	1.00	Stream Power (lb/ft s)		0.99	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		1.03	
C & E Loss (ft)	0.00	Cum SA (acres)		2.96	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3550.00* Profile: Q010

E.G. Elev (ft)	7078.91	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.09	Wt. n-Val.		0.040	
W.S. Elev (ft)	7078.82	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		11.65	
E.G. Slope (ft/ft)	0.016411	Area (sq ft)		11.65	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	32.40	Top Width (ft)		32.40	
Vel Total (ft/s)	2.40	Avg. Vel. (ft/s)		2.40	
Max Chl Dpth (ft)	0.47	Hydr. Depth (ft)		0.36	
Conv. Total (cfs)	218.6	Conv. (cfs)		218.6	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		32.45	
Min Ch El (ft)	7078.35	Shear (lb/sq ft)		0.37	
Alpha	1.00	Stream Power (lb/ft s)		0.88	
Frctn Loss (ft)	0.45	Cum Volume (acre-ft)		1.03	
C & E Loss (ft)	0.00	Cum SA (acres)		2.94	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3525.00* Profile: Q010

E.G. Elev (ft)	7078.47	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.040	
W.S. Elev (ft)	7078.37	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		11.13	
E.G. Slope (ft/ft)	0.019740	Area (sq ft)		11.13	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	33.19	Top Width (ft)		33.19	
Vel Total (ft/s)	2.52	Avg. Vel. (ft/s)		2.52	
Max Chl Dpth (ft)	0.45	Hydr. Depth (ft)		0.34	
Conv. Total (cfs)	199.3	Conv. (cfs)		199.3	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		33.24	
Min Ch El (ft)	7077.92	Shear (lb/sq ft)		0.41	
Alpha	1.00	Stream Power (lb/ft s)		1.04	
Frctn Loss (ft)	0.40	Cum Volume (acre-ft)		1.02	
C & E Loss (ft)	0.01	Cum SA (acres)		2.92	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3500 Profile: Q010

E.G. Elev (ft)	7078.06	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.		0.040	
W.S. Elev (ft)	7077.98	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		12.72	
E.G. Slope (ft/ft)	0.013361	Area (sq ft)		12.72	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	34.59	Top Width (ft)		34.59	
Vel Total (ft/s)	2.20	Avg. Vel. (ft/s)		2.20	
Max Chl Dpth (ft)	0.48	Hydr. Depth (ft)		0.37	
Conv. Total (cfs)	242.2	Conv. (cfs)		242.2	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		34.66	
Min Ch El (ft)	7077.50	Shear (lb/sq ft)		0.31	
Alpha	1.00	Stream Power (lb/ft s)		0.67	
Frctn Loss (ft)	0.26	Cum Volume (acre-ft)		1.01	
C & E Loss (ft)	0.00	Cum SA (acres)		2.90	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3480.77* Profile: Q010

E.G. Elev (ft)	7077.80	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.		0.040	
W.S. Elev (ft)	7077.72	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		12.59	
E.G. Slope (ft/ft)	0.013908	Area (sq ft)		12.59	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	34.74	Top Width (ft)		34.74	
Vel Total (ft/s)	2.22	Avg. Vel. (ft/s)		2.22	
Max Chl Dpth (ft)	0.48	Hydr. Depth (ft)		0.36	
Conv. Total (cfs)	237.4	Conv. (cfs)		237.4	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		34.80	
Min Ch El (ft)	7077.24	Shear (lb/sq ft)		0.31	
Alpha	1.00	Stream Power (lb/ft s)		0.70	
Frctn Loss (ft)	0.26	Cum Volume (acre-ft)		1.01	
C & E Loss (ft)	0.00	Cum SA (acres)		2.89	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3461.54* Profile: Q010

E.G. Elev (ft)	7077.54	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.		0.040	
W.S. Elev (ft)	7077.46	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		12.73	
E.G. Slope (ft/ft)	0.013498	Area (sq ft)		12.73	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	34.95	Top Width (ft)		34.95	
Vel Total (ft/s)	2.20	Avg. Vel. (ft/s)		2.20	
Max Chl Dpth (ft)	0.48	Hydr. Depth (ft)		0.36	
Conv. Total (cfs)	241.0	Conv. (cfs)		241.0	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		35.00	
Min Ch El (ft)	7076.98	Shear (lb/sq ft)		0.31	
Alpha	1.00	Stream Power (lb/ft s)		0.67	
Frctn Loss (ft)	0.26	Cum Volume (acre-ft)		1.00	
C & E Loss (ft)	0.00	Cum SA (acres)		2.87	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3442.31* Profile: Q010

E.G. Elev (ft)	7077.27	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.		0.040	
W.S. Elev (ft)	7077.20	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		12.68	
E.G. Slope (ft/ft)	0.013807	Area (sq ft)		12.68	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	35.20	Top Width (ft)		35.20	
Vel Total (ft/s)	2.21	Avg. Vel. (ft/s)		2.21	
Max Chl Dpth (ft)	0.48	Hydr. Depth (ft)		0.36	
Conv. Total (cfs)	238.3	Conv. (cfs)		238.3	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		35.25	
Min Ch El (ft)	7076.72	Shear (lb/sq ft)		0.31	
Alpha	1.00	Stream Power (lb/ft s)		0.68	
Frctn Loss (ft)	0.26	Cum Volume (acre-ft)		1.00	
C & E Loss (ft)	0.00	Cum SA (acres)		2.86	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3423.08* Profile: Q010

E.G. Elev (ft)	7077.01	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.07	Wt. n-Val.		0.040	
W.S. Elev (ft)	7076.93	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		12.81	
E.G. Slope (ft/ft)	0.013487	Area (sq ft)		12.81	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	35.45	Top Width (ft)		35.45	
Vel Total (ft/s)	2.19	Avg. Vel. (ft/s)		2.19	
Max Chl Dpth (ft)	0.48	Hydr. Depth (ft)		0.36	
Conv. Total (cfs)	241.1	Conv. (cfs)		241.1	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		35.49	
Min Ch El (ft)	7076.45	Shear (lb/sq ft)		0.30	
Alpha	1.00	Stream Power (lb/ft s)		0.66	
Frctn Loss (ft)	0.26	Cum Volume (acre-ft)		0.99	
C & E Loss (ft)	0.00	Cum SA (acres)		2.84	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3403.85* Profile: Q010

E.G. Elev (ft)	7076.74	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.		0.040	
W.S. Elev (ft)	7076.67	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		12.71	
E.G. Slope (ft/ft)	0.013988	Area (sq ft)		12.71	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	35.76	Top Width (ft)		35.76	
Vel Total (ft/s)	2.20	Avg. Vel. (ft/s)		2.20	
Max Chl Dpth (ft)	0.48	Hydr. Depth (ft)		0.36	
Conv. Total (cfs)	236.7	Conv. (cfs)		236.7	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		35.79	
Min Ch El (ft)	7076.19	Shear (lb/sq ft)		0.31	
Alpha	1.00	Stream Power (lb/ft s)		0.68	
Frctn Loss (ft)	0.26	Cum Volume (acre-ft)		0.99	
C & E Loss (ft)	0.00	Cum SA (acres)		2.83	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3384.62* Profile: Q010

E.G. Elev (ft)	7076.48	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.07	Wt. n-Val.		0.040	
W.S. Elev (ft)	7076.41	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		12.92	
E.G. Slope (ft/ft)	0.013496	Area (sq ft)		12.92	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	36.29	Top Width (ft)		36.29	
Vel Total (ft/s)	2.17	Avg. Vel. (ft/s)		2.17	
Max Chl Dpth (ft)	0.48	Hydr. Depth (ft)		0.36	
Conv. Total (cfs)	241.0	Conv. (cfs)		241.0	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		36.32	
Min Ch El (ft)	7075.93	Shear (lb/sq ft)		0.30	
Alpha	1.00	Stream Power (lb/ft s)		0.65	
Frctn Loss (ft)	0.26	Cum Volume (acre-ft)		0.98	
C & E Loss (ft)	0.00	Cum SA (acres)		2.81	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3365.39* Profile: Q010

E.G. Elev (ft)	7076.21	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.07	Wt. n-Val.		0.040	
W.S. Elev (ft)	7076.14	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		12.83	
E.G. Slope (ft/ft)	0.013893	Area (sq ft)		12.83	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	36.45	Top Width (ft)		36.45	
Vel Total (ft/s)	2.18	Avg. Vel. (ft/s)		2.18	
Max Chl Dpth (ft)	0.47	Hydr. Depth (ft)		0.35	
Conv. Total (cfs)	237.6	Conv. (cfs)		237.6	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		36.48	
Min Ch El (ft)	7075.67	Shear (lb/sq ft)		0.31	
Alpha	1.00	Stream Power (lb/ft s)		0.67	
Frctn Loss (ft)	0.26	Cum Volume (acre-ft)		0.98	
C & E Loss (ft)	0.00	Cum SA (acres)		2.80	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3346.15* Profile: Q010

E.G. Elev (ft)	7075.95	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.07	Wt. n-Val.		0.040	
W.S. Elev (ft)	7075.88	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		13.07	
E.G. Slope (ft/ft)	0.013463	Area (sq ft)		13.07	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	37.26	Top Width (ft)		37.26	
Vel Total (ft/s)	2.14	Avg. Vel. (ft/s)		2.14	
Max Chl Dpth (ft)	0.46	Hydr. Depth (ft)		0.35	
Conv. Total (cfs)	241.3	Conv. (cfs)		241.3	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		37.28	
Min Ch El (ft)	7075.41	Shear (lb/sq ft)		0.29	
Alpha	1.00	Stream Power (lb/ft s)		0.63	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		0.97	
C & E Loss (ft)	0.00	Cum SA (acres)		2.78	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3326.92* Profile: Q010

E.G. Elev (ft)	7075.67	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.07	Wt. n-Val.		0.040	
W.S. Elev (ft)	7075.60	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		12.89	
E.G. Slope (ft/ft)	0.014551	Area (sq ft)		12.89	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	38.17	Top Width (ft)		38.17	
Vel Total (ft/s)	2.17	Avg. Vel. (ft/s)		2.17	
Max Chl Dpth (ft)	0.45	Hydr. Depth (ft)		0.34	
Conv. Total (cfs)	232.1	Conv. (cfs)		232.1	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		38.20	
Min Ch El (ft)	7075.15	Shear (lb/sq ft)		0.31	
Alpha	1.00	Stream Power (lb/ft s)		0.67	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		0.96	
C & E Loss (ft)	0.00	Cum SA (acres)		2.76	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3307.69* Profile: Q010

E.G. Elev (ft)	7075.40	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.07	Wt. n-Val.		0.040	
W.S. Elev (ft)	7075.33	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		13.39	
E.G. Slope (ft/ft)	0.013507	Area (sq ft)		13.39	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	39.72	Top Width (ft)		39.72	
Vel Total (ft/s)	2.09	Avg. Vel. (ft/s)		2.09	
Max Chl Dpth (ft)	0.45	Hydr. Depth (ft)		0.34	
Conv. Total (cfs)	240.9	Conv. (cfs)		240.9	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		39.75	
Min Ch El (ft)	7074.88	Shear (lb/sq ft)		0.28	
Alpha	1.00	Stream Power (lb/ft s)		0.59	
Frctn Loss (ft)	0.29	Cum Volume (acre-ft)		0.96	
C & E Loss (ft)	0.00	Cum SA (acres)		2.75	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3288.46* Profile: Q010

E.G. Elev (ft)	7075.11	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.		0.040	
W.S. Elev (ft)	7075.03	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		12.44	
E.G. Slope (ft/ft)	0.017300	Area (sq ft)		12.44	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	39.78	Top Width (ft)		39.78	
Vel Total (ft/s)	2.25	Avg. Vel. (ft/s)		2.25	
Max Chl Dpth (ft)	0.41	Hydr. Depth (ft)		0.31	
Conv. Total (cfs)	212.9	Conv. (cfs)		212.9	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		39.81	
Min Ch El (ft)	7074.62	Shear (lb/sq ft)		0.34	
Alpha	1.00	Stream Power (lb/ft s)		0.76	
Frctn Loss (ft)	0.20	Cum Volume (acre-ft)		0.95	
C & E Loss (ft)	0.01	Cum SA (acres)		2.73	

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3269.23* Profile: Q010

E.G. Elev (ft)	7074.90	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.040	
W.S. Elev (ft)	7074.86	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		16.68	
E.G. Slope (ft/ft)	0.006849	Area (sq ft)		16.68	
Q Total (cfs)	28.00	Flow (cfs)		28.00	
Top Width (ft)	41.29	Top Width (ft)		41.29	
Vel Total (ft/s)	1.68	Avg. Vel. (ft/s)		1.68	
Max Chl Dpth (ft)	0.50	Hydr. Depth (ft)		0.40	
Conv. Total (cfs)	338.3	Conv. (cfs)		338.3	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		41.36	
Min Ch El (ft)	7074.36	Shear (lb/sq ft)		0.17	
Alpha	1.00	Stream Power (lb/ft s)		0.29	
Frctn Loss (ft)	0.22	Cum Volume (acre-ft)		0.95	
C & E Loss (ft)	0.01	Cum SA (acres)		2.71	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3250 Profile: Q010

E.G. Elev (ft)	7074.67	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.11	Wt. n-Val.		0.040	
W.S. Elev (ft)	7074.56	Reach Len. (ft)	14.70	15.00	15.70
Crit W.S. (ft)		Flow Area (sq ft)		16.13	
E.G. Slope (ft/ft)	0.018207	Area (sq ft)		16.13	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	41.50	Top Width (ft)		41.50	
Vel Total (ft/s)	2.67	Avg. Vel. (ft/s)		2.67	
Max Chl Dpth (ft)	0.46	Hydr. Depth (ft)		0.39	
Conv. Total (cfs)	318.7	Conv. (cfs)		318.7	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		41.58	
Min Ch El (ft)	7074.10	Shear (lb/sq ft)		0.44	
Alpha	1.00	Stream Power (lb/ft s)		1.18	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)		0.94	
C & E Loss (ft)	0.00	Cum SA (acres)		2.69	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3235.00* Profile: Q010

E.G. Elev (ft)	7074.39	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.		0.040	
W.S. Elev (ft)	7074.28	Reach Len. (ft)	14.70	15.00	15.70
Crit W.S. (ft)		Flow Area (sq ft)		15.80	
E.G. Slope (ft/ft)	0.018600	Area (sq ft)		15.80	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	40.06	Top Width (ft)		40.06	
Vel Total (ft/s)	2.72	Avg. Vel. (ft/s)		2.72	
Max Chl Dpth (ft)	0.48	Hydr. Depth (ft)		0.39	
Conv. Total (cfs)	315.3	Conv. (cfs)		315.3	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		40.13	
Min Ch El (ft)	7073.80	Shear (lb/sq ft)		0.46	
Alpha	1.00	Stream Power (lb/ft s)		1.24	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)		0.93	
C & E Loss (ft)	0.00	Cum SA (acres)		2.68	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3220.00* Profile: Q010

E.G. Elev (ft)	7074.11	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.		0.040	
W.S. Elev (ft)	7073.99	Reach Len. (ft)	14.70	15.00	15.70
Crit W.S. (ft)		Flow Area (sq ft)		15.60	
E.G. Slope (ft/ft)	0.018464	Area (sq ft)		15.60	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	38.60	Top Width (ft)		38.60	
Vel Total (ft/s)	2.76	Avg. Vel. (ft/s)		2.76	
Max Chl Dpth (ft)	0.49	Hydr. Depth (ft)		0.40	
Conv. Total (cfs)	316.4	Conv. (cfs)		316.4	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		38.66	
Min Ch El (ft)	7073.50	Shear (lb/sq ft)		0.47	
Alpha	1.00	Stream Power (lb/ft s)		1.28	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)		0.93	
C & E Loss (ft)	0.00	Cum SA (acres)		2.66	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3205.00* Profile: Q010

E.G. Elev (ft)	7073.83	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.		0.040	
W.S. Elev (ft)	7073.71	Reach Len. (ft)	14.70	15.00	15.70
Crit W.S. (ft)		Flow Area (sq ft)		15.26	
E.G. Slope (ft/ft)	0.018861	Area (sq ft)		15.26	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	37.09	Top Width (ft)		37.09	
Vel Total (ft/s)	2.82	Avg. Vel. (ft/s)		2.82	
Max Chl Dpth (ft)	0.51	Hydr. Depth (ft)		0.41	
Conv. Total (cfs)	313.1	Conv. (cfs)		313.1	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		37.15	
Min Ch El (ft)	7073.20	Shear (lb/sq ft)		0.48	
Alpha	1.00	Stream Power (lb/ft s)		1.36	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)		0.92	
C & E Loss (ft)	0.00	Cum SA (acres)		2.65	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3190.00* Profile: Q010

E.G. Elev (ft)	7073.55	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.		0.040	
W.S. Elev (ft)	7073.43	Reach Len. (ft)	14.70	15.00	15.70
Crit W.S. (ft)		Flow Area (sq ft)		15.18	
E.G. Slope (ft/ft)	0.018220	Area (sq ft)		15.18	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	35.68	Top Width (ft)		35.68	
Vel Total (ft/s)	2.83	Avg. Vel. (ft/s)		2.83	
Max Chl Dpth (ft)	0.53	Hydr. Depth (ft)		0.43	
Conv. Total (cfs)	318.6	Conv. (cfs)		318.6	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		35.73	
Min Ch El (ft)	7072.90	Shear (lb/sq ft)		0.48	
Alpha	1.00	Stream Power (lb/ft s)		1.37	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)		0.92	
C & E Loss (ft)	0.00	Cum SA (acres)		2.64	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3175.00* Profile: Q010

E.G. Elev (ft)	7073.28	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.13	Wt. n-Val.		0.040	
W.S. Elev (ft)	7073.14	Reach Len. (ft)	14.70	15.00	15.70
Crit W.S. (ft)		Flow Area (sq ft)		14.77	
E.G. Slope (ft/ft)	0.018779	Area (sq ft)		14.77	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	34.09	Top Width (ft)		34.09	
Vel Total (ft/s)	2.91	Avg. Vel. (ft/s)		2.91	
Max Chl Dpth (ft)	0.54	Hydr. Depth (ft)		0.43	
Conv. Total (cfs)	313.8	Conv. (cfs)		313.8	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		34.15	
Min Ch El (ft)	7072.60	Shear (lb/sq ft)		0.51	
Alpha	1.00	Stream Power (lb/ft s)		1.48	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)		0.91	
C & E Loss (ft)	0.00	Cum SA (acres)		2.63	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3160.00* Profile: Q010

E.G. Elev (ft)	7073.00	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.14	Wt. n-Val.		0.040	
W.S. Elev (ft)	7072.86	Reach Len. (ft)	14.70	15.00	15.70
Crit W.S. (ft)		Flow Area (sq ft)		14.51	
E.G. Slope (ft/ft)	0.018515	Area (sq ft)		14.51	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	32.24	Top Width (ft)		32.24	
Vel Total (ft/s)	2.96	Avg. Vel. (ft/s)		2.96	
Max Chl Dpth (ft)	0.56	Hydr. Depth (ft)		0.45	
Conv. Total (cfs)	316.0	Conv. (cfs)		316.0	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		32.30	
Min Ch El (ft)	7072.30	Shear (lb/sq ft)		0.52	
Alpha	1.00	Stream Power (lb/ft s)		1.54	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)		0.91	
C & E Loss (ft)	0.00	Cum SA (acres)		2.61	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3145.00* Profile: Q010

E.G. Elev (ft)	7072.71	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.14	Wt. n-Val.		0.040	
W.S. Elev (ft)	7072.57	Reach Len. (ft)	14.70	15.00	15.70
Crit W.S. (ft)		Flow Area (sq ft)		14.10	
E.G. Slope (ft/ft)	0.018981	Area (sq ft)		14.10	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	30.56	Top Width (ft)		30.56	
Vel Total (ft/s)	3.05	Avg. Vel. (ft/s)		3.05	
Max Chl Dpth (ft)	0.57	Hydr. Depth (ft)		0.46	
Conv. Total (cfs)	312.1	Conv. (cfs)		312.1	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		30.63	
Min Ch El (ft)	7072.00	Shear (lb/sq ft)		0.55	
Alpha	1.00	Stream Power (lb/ft s)		1.66	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)		0.90	
C & E Loss (ft)	0.00	Cum SA (acres)		2.60	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3130.00* Profile: Q010

E.G. Elev (ft)	7072.44	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.15	Wt. n-Val.		0.040	
W.S. Elev (ft)	7072.29	Reach Len. (ft)	14.70	15.00	15.70
Crit W.S. (ft)		Flow Area (sq ft)		14.04	
E.G. Slope (ft/ft)	0.018049	Area (sq ft)		14.04	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	29.15	Top Width (ft)		29.15	
Vel Total (ft/s)	3.06	Avg. Vel. (ft/s)		3.06	
Max Chl Dpth (ft)	0.59	Hydr. Depth (ft)		0.48	
Conv. Total (cfs)	320.1	Conv. (cfs)		320.1	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		29.23	
Min Ch El (ft)	7071.70	Shear (lb/sq ft)		0.54	
Alpha	1.00	Stream Power (lb/ft s)		1.66	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)		0.90	
C & E Loss (ft)	0.00	Cum SA (acres)		2.59	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3115.00* Profile: Q010

E.G. Elev (ft)	7072.16	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.16	Wt. n-Val.		0.040	
W.S. Elev (ft)	7072.00	Reach Len. (ft)	14.70	15.00	15.70
Crit W.S. (ft)		Flow Area (sq ft)		13.43	
E.G. Slope (ft/ft)	0.019544	Area (sq ft)		13.43	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	27.67	Top Width (ft)		27.67	
Vel Total (ft/s)	3.20	Avg. Vel. (ft/s)		3.20	
Max Chl Dpth (ft)	0.60	Hydr. Depth (ft)		0.49	
Conv. Total (cfs)	307.6	Conv. (cfs)		307.6	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		27.76	
Min Ch El (ft)	7071.40	Shear (lb/sq ft)		0.59	
Alpha	1.00	Stream Power (lb/ft s)		1.89	
Frctn Loss (ft)	0.23	Cum Volume (acre-ft)		0.89	
C & E Loss (ft)	0.01	Cum SA (acres)		2.58	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3100 Profile: Q010

E.G. Elev (ft)	7071.92	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.		0.040	
W.S. Elev (ft)	7071.80	Reach Len. (ft)	18.67	14.83	9.50
Crit W.S. (ft)		Flow Area (sq ft)		15.42	
E.G. Slope (ft/ft)	0.012101	Area (sq ft)		15.42	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	27.26	Top Width (ft)		27.26	
Vel Total (ft/s)	2.79	Avg. Vel. (ft/s)		2.79	
Max Chl Dpth (ft)	0.70	Hydr. Depth (ft)		0.57	
Conv. Total (cfs)	390.9	Conv. (cfs)		390.9	
Length Wtd. (ft)	14.83	Wetted Per. (ft)		27.37	
Min Ch El (ft)	7071.10	Shear (lb/sq ft)		0.43	
Alpha	1.00	Stream Power (lb/ft s)		1.19	
Frctn Loss (ft)	0.18	Cum Volume (acre-ft)		0.89	
C & E Loss (ft)	0.00	Cum SA (acres)		2.57	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3085.17* Profile: Q010

E.G. Elev (ft)	7071.73	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.		0.040	
W.S. Elev (ft)	7071.61	Reach Len. (ft)	18.67	14.83	9.50
Crit W.S. (ft)		Flow Area (sq ft)		15.24	
E.G. Slope (ft/ft)	0.012768	Area (sq ft)		15.24	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	27.56	Top Width (ft)		27.56	
Vel Total (ft/s)	2.82	Avg. Vel. (ft/s)		2.82	
Max Chl Dpth (ft)	0.69	Hydr. Depth (ft)		0.55	
Conv. Total (cfs)	380.5	Conv. (cfs)		380.5	
Length Wtd. (ft)	14.83	Wetted Per. (ft)		27.66	
Min Ch El (ft)	7070.92	Shear (lb/sq ft)		0.44	
Alpha	1.00	Stream Power (lb/ft s)		1.24	
Frctn Loss (ft)	0.19	Cum Volume (acre-ft)		0.88	
C & E Loss (ft)	0.00	Cum SA (acres)		2.57	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3070.33* Profile: Q010

E.G. Elev (ft)	7071.55	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.		0.040	
W.S. Elev (ft)	7071.42	Reach Len. (ft)	18.67	14.83	9.50
Crit W.S. (ft)		Flow Area (sq ft)		15.39	
E.G. Slope (ft/ft)	0.012570	Area (sq ft)		15.39	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	27.90	Top Width (ft)		27.90	
Vel Total (ft/s)	2.79	Avg. Vel. (ft/s)		2.79	
Max Chl Dpth (ft)	0.69	Hydr. Depth (ft)		0.55	
Conv. Total (cfs)	383.5	Conv. (cfs)		383.5	
Length Wtd. (ft)	14.83	Wetted Per. (ft)		27.99	
Min Ch El (ft)	7070.73	Shear (lb/sq ft)		0.43	
Alpha	1.00	Stream Power (lb/ft s)		1.21	
Frctn Loss (ft)	0.19	Cum Volume (acre-ft)		0.88	
C & E Loss (ft)	0.00	Cum SA (acres)		2.56	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3055.50* Profile: Q010

E.G. Elev (ft)	7071.36	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.		0.040	
W.S. Elev (ft)	7071.23	Reach Len. (ft)	18.67	14.83	9.50
Crit W.S. (ft)		Flow Area (sq ft)		15.33	
E.G. Slope (ft/ft)	0.012902	Area (sq ft)		15.33	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	28.19	Top Width (ft)		28.19	
Vel Total (ft/s)	2.81	Avg. Vel. (ft/s)		2.81	
Max Chl Dpth (ft)	0.68	Hydr. Depth (ft)		0.54	
Conv. Total (cfs)	378.6	Conv. (cfs)		378.6	
Length Wtd. (ft)	14.83	Wetted Per. (ft)		28.28	
Min Ch El (ft)	7070.55	Shear (lb/sq ft)		0.44	
Alpha	1.00	Stream Power (lb/ft s)		1.22	
Frctn Loss (ft)	0.19	Cum Volume (acre-ft)		0.87	
C & E Loss (ft)	0.00	Cum SA (acres)		2.55	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3040.67* Profile: Q010

E.G. Elev (ft)	7071.16	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.		0.040	
W.S. Elev (ft)	7071.04	Reach Len. (ft)	18.67	14.83	9.50
Crit W.S. (ft)		Flow Area (sq ft)		15.34	
E.G. Slope (ft/ft)	0.013044	Area (sq ft)		15.34	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	28.49	Top Width (ft)		28.49	
Vel Total (ft/s)	2.80	Avg. Vel. (ft/s)		2.80	
Max Chl Dpth (ft)	0.67	Hydr. Depth (ft)		0.54	
Conv. Total (cfs)	376.5	Conv. (cfs)		376.5	
Length Wtd. (ft)	14.83	Wetted Per. (ft)		28.58	
Min Ch El (ft)	7070.37	Shear (lb/sq ft)		0.44	
Alpha	1.00	Stream Power (lb/ft s)		1.23	
Frctn Loss (ft)	0.19	Cum Volume (acre-ft)		0.87	
C & E Loss (ft)	0.00	Cum SA (acres)		2.54	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3025.83* Profile: Q010

E.G. Elev (ft)	7070.97	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.		0.040	
W.S. Elev (ft)	7070.85	Reach Len. (ft)	18.67	14.83	9.50
Crit W.S. (ft)		Flow Area (sq ft)		15.44	
E.G. Slope (ft/ft)	0.012956	Area (sq ft)		15.44	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	28.79	Top Width (ft)		28.79	
Vel Total (ft/s)	2.79	Avg. Vel. (ft/s)		2.79	
Max Chl Dpth (ft)	0.67	Hydr. Depth (ft)		0.54	
Conv. Total (cfs)	377.8	Conv. (cfs)		377.8	
Length Wtd. (ft)	14.83	Wetted Per. (ft)		28.88	
Min Ch El (ft)	7070.18	Shear (lb/sq ft)		0.43	
Alpha	1.00	Stream Power (lb/ft s)		1.20	
Frctn Loss (ft)	0.20	Cum Volume (acre-ft)		0.86	
C & E Loss (ft)	0.00	Cum SA (acres)		2.53	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3011 Profile: Q010

E.G. Elev (ft)	7070.77	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.13	Wt. n-Val.		0.040	
W.S. Elev (ft)	7070.64	Reach Len. (ft)	26.50	31.00	33.50
Crit W.S. (ft)		Flow Area (sq ft)		14.97	
E.G. Slope (ft/ft)	0.014427	Area (sq ft)		14.97	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	28.88	Top Width (ft)		28.88	
Vel Total (ft/s)	2.87	Avg. Vel. (ft/s)		2.87	
Max Chl Dpth (ft)	0.64	Hydr. Depth (ft)		0.52	
Conv. Total (cfs)	358.0	Conv. (cfs)		358.0	
Length Wtd. (ft)	31.00	Wetted Per. (ft)		28.97	
Min Ch El (ft)	7070.00	Shear (lb/sq ft)		0.47	
Alpha	1.00	Stream Power (lb/ft s)		1.34	
Frctn Loss (ft)	0.47	Cum Volume (acre-ft)		0.86	
C & E Loss (ft)	0.00	Cum SA (acres)		2.52	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2980.00* Profile: Q010

E.G. Elev (ft)	7070.29	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.13	Wt. n-Val.		0.040	
W.S. Elev (ft)	7070.16	Reach Len. (ft)	26.50	31.00	33.50
Crit W.S. (ft)		Flow Area (sq ft)		14.97	
E.G. Slope (ft/ft)	0.015940	Area (sq ft)		14.97	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	31.15	Top Width (ft)		31.15	
Vel Total (ft/s)	2.87	Avg. Vel. (ft/s)		2.87	
Max Chl Dpth (ft)	0.61	Hydr. Depth (ft)		0.48	
Conv. Total (cfs)	340.6	Conv. (cfs)		340.6	
Length Wtd. (ft)	31.00	Wetted Per. (ft)		31.22	
Min Ch El (ft)	7069.55	Shear (lb/sq ft)		0.48	
Alpha	1.00	Stream Power (lb/ft s)		1.37	
Frctn Loss (ft)	0.47	Cum Volume (acre-ft)		0.85	
C & E Loss (ft)	0.01	Cum SA (acres)		2.50	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2949.00* Profile: Q010

E.G. Elev (ft)	7069.82	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.11	Wt. n-Val.		0.040	
W.S. Elev (ft)	7069.71	Reach Len. (ft)	26.50	31.00	33.50
Crit W.S. (ft)		Flow Area (sq ft)		16.36	
E.G. Slope (ft/ft)	0.014492	Area (sq ft)		16.36	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	36.24	Top Width (ft)		36.24	
Vel Total (ft/s)	2.63	Avg. Vel. (ft/s)		2.63	
Max Chl Dpth (ft)	0.61	Hydr. Depth (ft)		0.45	
Conv. Total (cfs)	357.2	Conv. (cfs)		357.2	
Length Wtd. (ft)	31.00	Wetted Per. (ft)		36.31	
Min Ch El (ft)	7069.10	Shear (lb/sq ft)		0.41	
Alpha	1.00	Stream Power (lb/ft s)		1.07	
Frctn Loss (ft)	0.54	Cum Volume (acre-ft)		0.83	
C & E Loss (ft)	0.00	Cum SA (acres)		2.47	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2918.00* Profile: Q010

E.G. Elev (ft)	7069.28	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.		0.040	
W.S. Elev (ft)	7069.16	Reach Len. (ft)	26.50	31.00	33.50
Crit W.S. (ft)	7069.10	Flow Area (sq ft)		15.59	
E.G. Slope (ft/ft)	0.021455	Area (sq ft)		15.59	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	43.11	Top Width (ft)		43.11	
Vel Total (ft/s)	2.76	Avg. Vel. (ft/s)		2.76	
Max Chl Dpth (ft)	0.51	Hydr. Depth (ft)		0.36	
Conv. Total (cfs)	293.6	Conv. (cfs)		293.6	
Length Wtd. (ft)	31.00	Wetted Per. (ft)		43.18	
Min Ch El (ft)	7068.65	Shear (lb/sq ft)		0.48	
Alpha	1.00	Stream Power (lb/ft s)		1.33	
Frctn Loss (ft)	0.53	Cum Volume (acre-ft)		0.82	
C & E Loss (ft)	0.01	Cum SA (acres)		2.44	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2887 Profile: Q010

E.G. Elev (ft)	7068.73	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.		0.040	
W.S. Elev (ft)	7068.65	Reach Len. (ft)	31.40	29.40	30.40
Crit W.S. (ft)		Flow Area (sq ft)		18.40	
E.G. Slope (ft/ft)	0.014089	Area (sq ft)		18.40	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	47.59	Top Width (ft)		47.59	
Vel Total (ft/s)	2.34	Avg. Vel. (ft/s)		2.34	
Max Chl Dpth (ft)	0.45	Hydr. Depth (ft)		0.39	
Conv. Total (cfs)	362.3	Conv. (cfs)		362.3	
Length Wtd. (ft)	29.40	Wetted Per. (ft)		47.71	
Min Ch El (ft)	7068.20	Shear (lb/sq ft)		0.34	
Alpha	1.00	Stream Power (lb/ft s)		0.79	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		0.81	
C & E Loss (ft)	0.00	Cum SA (acres)		2.41	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2857.60* Profile: Q010

E.G. Elev (ft)	7068.30	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.07	Wt. n-Val.		0.040	
W.S. Elev (ft)	7068.23	Reach Len. (ft)	31.40	29.40	30.40
Crit W.S. (ft)		Flow Area (sq ft)		20.18	
E.G. Slope (ft/ft)	0.015218	Area (sq ft)		20.18	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	63.61	Top Width (ft)		63.61	
Vel Total (ft/s)	2.13	Avg. Vel. (ft/s)		2.13	
Max Chl Dpth (ft)	0.47	Hydr. Depth (ft)		0.32	
Conv. Total (cfs)	348.6	Conv. (cfs)		348.6	
Length Wtd. (ft)	29.40	Wetted Per. (ft)		63.64	
Min Ch El (ft)	7067.76	Shear (lb/sq ft)		0.30	
Alpha	1.00	Stream Power (lb/ft s)		0.64	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		0.80	
C & E Loss (ft)	0.00	Cum SA (acres)		2.37	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2828.20* Profile: Q010

E.G. Elev (ft)	7067.87	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.06	Wt. n-Val.		0.040	
W.S. Elev (ft)	7067.81	Reach Len. (ft)	31.40	29.40	30.40
Crit W.S. (ft)		Flow Area (sq ft)		22.08	
E.G. Slope (ft/ft)	0.014091	Area (sq ft)		22.08	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	75.26	Top Width (ft)		75.26	
Vel Total (ft/s)	1.95	Avg. Vel. (ft/s)		1.95	
Max Chl Dpth (ft)	0.49	Hydr. Depth (ft)		0.29	
Conv. Total (cfs)	362.2	Conv. (cfs)		362.2	
Length Wtd. (ft)	29.40	Wetted Per. (ft)		75.27	
Min Ch El (ft)	7067.32	Shear (lb/sq ft)		0.26	
Alpha	1.00	Stream Power (lb/ft s)		0.50	
Frctn Loss (ft)	0.44	Cum Volume (acre-ft)		0.78	
C & E Loss (ft)	0.00	Cum SA (acres)		2.33	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2798.80* Profile: Q010

E.G. Elev (ft)	7067.42	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.040	
W.S. Elev (ft)	7067.37	Reach Len. (ft)	31.40	29.40	30.40
Crit W.S. (ft)		Flow Area (sq ft)		23.22	
E.G. Slope (ft/ft)	0.015892	Area (sq ft)		23.22	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	93.39	Top Width (ft)		93.39	
Vel Total (ft/s)	1.85	Avg. Vel. (ft/s)		1.85	
Max Chl Dpth (ft)	0.49	Hydr. Depth (ft)		0.25	
Conv. Total (cfs)	341.1	Conv. (cfs)		341.1	
Length Wtd. (ft)	29.40	Wetted Per. (ft)		93.41	
Min Ch El (ft)	7066.88	Shear (lb/sq ft)		0.25	
Alpha	1.00	Stream Power (lb/ft s)		0.46	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		0.77	
C & E Loss (ft)	0.00	Cum SA (acres)		2.27	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2769.40* Profile: Q010

E.G. Elev (ft)	7066.99	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.040	
W.S. Elev (ft)	7066.95	Reach Len. (ft)	31.40	29.40	30.40
Crit W.S. (ft)		Flow Area (sq ft)		26.88	
E.G. Slope (ft/ft)	0.013625	Area (sq ft)		26.88	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	119.94	Top Width (ft)		119.94	
Vel Total (ft/s)	1.60	Avg. Vel. (ft/s)		1.60	
Max Chl Dpth (ft)	0.51	Hydr. Depth (ft)		0.22	
Conv. Total (cfs)	368.4	Conv. (cfs)		368.4	
Length Wtd. (ft)	29.40	Wetted Per. (ft)		119.96	
Min Ch El (ft)	7066.44	Shear (lb/sq ft)		0.19	
Alpha	1.00	Stream Power (lb/ft s)		0.30	
Frctn Loss (ft)	0.49	Cum Volume (acre-ft)		0.75	
C & E Loss (ft)	0.00	Cum SA (acres)		2.20	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2740 Profile: Q010

E.G. Elev (ft)	7066.51	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.06	Wt. n-Val.		0.040	
W.S. Elev (ft)	7066.44	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		21.64	
E.G. Slope (ft/ft)	0.021149	Area (sq ft)		21.64	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	97.03	Top Width (ft)		97.03	
Vel Total (ft/s)	1.99	Avg. Vel. (ft/s)		1.99	
Max Chl Dpth (ft)	0.44	Hydr. Depth (ft)		0.22	
Conv. Total (cfs)	295.7	Conv. (cfs)		295.7	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		97.06	
Min Ch El (ft)	7066.00	Shear (lb/sq ft)		0.29	
Alpha	1.00	Stream Power (lb/ft s)		0.58	
Frctn Loss (ft)	0.42	Cum Volume (acre-ft)		0.74	
C & E Loss (ft)	0.00	Cum SA (acres)		2.12	

Errors Warnings and Notes

Warning:	Divided flow computed for this cross-section.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2720.00* Profile: Q010

E.G. Elev (ft)	7066.09	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.06	Wt. n-Val.		0.040	
W.S. Elev (ft)	7066.04	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		22.03	
E.G. Slope (ft/ft)	0.020419	Area (sq ft)		22.03	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	98.77	Top Width (ft)		98.77	
Vel Total (ft/s)	1.95	Avg. Vel. (ft/s)		1.95	
Max Chl Dpth (ft)	0.47	Hydr. Depth (ft)		0.22	
Conv. Total (cfs)	300.9	Conv. (cfs)		300.9	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		98.80	
Min Ch El (ft)	7065.57	Shear (lb/sq ft)		0.28	
Alpha	1.00	Stream Power (lb/ft s)		0.55	
Frctn Loss (ft)	0.42	Cum Volume (acre-ft)		0.73	
C & E Loss (ft)	0.00	Cum SA (acres)		2.08	

Errors Warnings and Notes

Warning:	Divided flow computed for this cross-section.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2700.00* Profile: Q010

E.G. Elev (ft)	7065.68	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.06	Wt. n-Val.		0.040	
W.S. Elev (ft)	7065.63	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		22.53	
E.G. Slope (ft/ft)	0.021180	Area (sq ft)		22.53	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	107.45	Top Width (ft)		107.45	
Vel Total (ft/s)	1.91	Avg. Vel. (ft/s)		1.91	
Max Chl Dpth (ft)	0.50	Hydr. Depth (ft)		0.21	
Conv. Total (cfs)	295.5	Conv. (cfs)		295.5	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		107.47	
Min Ch El (ft)	7065.13	Shear (lb/sq ft)		0.28	
Alpha	1.00	Stream Power (lb/ft s)		0.53	
Frctn Loss (ft)	0.42	Cum Volume (acre-ft)		0.72	
C & E Loss (ft)	0.00	Cum SA (acres)		2.03	

Errors Warnings and Notes

Warning:	Divided flow computed for this cross-section.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2680.00* Profile: Q010

E.G. Elev (ft)	7065.27	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.040	
W.S. Elev (ft)	7065.22	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		23.28	
E.G. Slope (ft/ft)	0.020764	Area (sq ft)		23.28	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	114.88	Top Width (ft)		114.88	
Vel Total (ft/s)	1.85	Avg. Vel. (ft/s)		1.85	
Max Chl Dpth (ft)	0.51	Hydr. Depth (ft)		0.20	
Conv. Total (cfs)	298.4	Conv. (cfs)		298.4	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		114.91	
Min Ch El (ft)	7064.70	Shear (lb/sq ft)		0.26	
Alpha	1.00	Stream Power (lb/ft s)		0.49	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2680.00* Profile: Q010 (Continued)

Frctn Loss (ft)	0.42	Cum Volume (acre-ft)		0.70	
C & E Loss (ft)	0.00	Cum SA (acres)		1.98	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2660.00* Profile: Q010

E.G. Elev (ft)	7064.84	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.06	Wt. n-Val.		0.040	
W.S. Elev (ft)	7064.78	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		22.14	
E.G. Slope (ft/ft)	0.021491	Area (sq ft)		22.14	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	103.96	Top Width (ft)		103.96	
Vel Total (ft/s)	1.94	Avg. Vel. (ft/s)		1.94	
Max Chl Dpth (ft)	0.51	Hydr. Depth (ft)		0.21	
Conv. Total (cfs)	293.3	Conv. (cfs)		293.3	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		103.98	
Min Ch El (ft)	7064.27	Shear (lb/sq ft)		0.29	
Alpha	1.00	Stream Power (lb/ft s)		0.55	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		0.69	
C & E Loss (ft)	0.00	Cum SA (acres)		1.93	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2640.00* Profile: Q010

E.G. Elev (ft)	7064.42	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.06	Wt. n-Val.		0.040	
W.S. Elev (ft)	7064.36	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		21.25	
E.G. Slope (ft/ft)	0.021279	Area (sq ft)		21.25	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	93.08	Top Width (ft)		93.08	
Vel Total (ft/s)	2.02	Avg. Vel. (ft/s)		2.02	
Max Chl Dpth (ft)	0.53	Hydr. Depth (ft)		0.23	
Conv. Total (cfs)	294.8	Conv. (cfs)		294.8	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		93.10	
Min Ch El (ft)	7063.83	Shear (lb/sq ft)		0.30	
Alpha	1.00	Stream Power (lb/ft s)		0.61	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		0.68	
C & E Loss (ft)	0.00	Cum SA (acres)		1.89	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2620.00* Profile: Q010

E.G. Elev (ft)	7064.00	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.07	Wt. n-Val.		0.040	
W.S. Elev (ft)	7063.93	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		20.21	
E.G. Slope (ft/ft)	0.021449	Area (sq ft)		20.21	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	82.61	Top Width (ft)		82.61	
Vel Total (ft/s)	2.13	Avg. Vel. (ft/s)		2.13	
Max Chl Dpth (ft)	0.53	Hydr. Depth (ft)		0.24	
Conv. Total (cfs)	293.6	Conv. (cfs)		293.6	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		82.63	
Min Ch El (ft)	7063.40	Shear (lb/sq ft)		0.33	
Alpha	1.00	Stream Power (lb/ft s)		0.70	
Frctn Loss (ft)	0.42	Cum Volume (acre-ft)		0.67	
C & E Loss (ft)	0.00	Cum SA (acres)		1.85	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2600.00* Profile: Q010

E.G. Elev (ft)	7063.59	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.07	Wt. n-Val.		0.040	
W.S. Elev (ft)	7063.51	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		19.65	
E.G. Slope (ft/ft)	0.020100	Area (sq ft)		19.65	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	73.37	Top Width (ft)		73.37	
Vel Total (ft/s)	2.19	Avg. Vel. (ft/s)		2.19	
Max Chl Dpth (ft)	0.54	Hydr. Depth (ft)		0.27	
Conv. Total (cfs)	303.3	Conv. (cfs)		303.3	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		73.40	
Min Ch El (ft)	7062.97	Shear (lb/sq ft)		0.34	
Alpha	1.00	Stream Power (lb/ft s)		0.74	
Frctn Loss (ft)	0.42	Cum Volume (acre-ft)		0.67	
C & E Loss (ft)	0.00	Cum SA (acres)		1.81	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2580.00* Profile: Q010

E.G. Elev (ft)	7063.17	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.09	Wt. n-Val.		0.040	
W.S. Elev (ft)	7063.08	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		18.20	
E.G. Slope (ft/ft)	0.021661	Area (sq ft)		18.20	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	64.07	Top Width (ft)		64.07	
Vel Total (ft/s)	2.36	Avg. Vel. (ft/s)		2.36	
Max Chl Dpth (ft)	0.55	Hydr. Depth (ft)		0.28	
Conv. Total (cfs)	292.2	Conv. (cfs)		292.2	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		64.10	
Min Ch El (ft)	7062.53	Shear (lb/sq ft)		0.38	
Alpha	1.00	Stream Power (lb/ft s)		0.91	
Frctn Loss (ft)	0.41	Cum Volume (acre-ft)		0.66	
C & E Loss (ft)	0.00	Cum SA (acres)		1.78	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2560.00* Profile: Q010

E.G. Elev (ft)	7062.77	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.09	Wt. n-Val.		0.040	
W.S. Elev (ft)	7062.68	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		17.93	
E.G. Slope (ft/ft)	0.018975	Area (sq ft)		17.93	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	55.86	Top Width (ft)		55.86	
Vel Total (ft/s)	2.40	Avg. Vel. (ft/s)		2.40	
Max Chl Dpth (ft)	0.58	Hydr. Depth (ft)		0.32	
Conv. Total (cfs)	312.2	Conv. (cfs)		312.2	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		55.89	
Min Ch El (ft)	7062.10	Shear (lb/sq ft)		0.38	
Alpha	1.00	Stream Power (lb/ft s)		0.91	
Frctn Loss (ft)	0.39	Cum Volume (acre-ft)		0.65	
C & E Loss (ft)	0.00	Cum SA (acres)		1.75	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2540.00* Profile: Q010

E.G. Elev (ft)	7062.38	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.040	
W.S. Elev (ft)	7062.28	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		17.17	
E.G. Slope (ft/ft)	0.020505	Area (sq ft)		17.17	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	53.13	Top Width (ft)		53.13	
Vel Total (ft/s)	2.50	Avg. Vel. (ft/s)		2.50	
Max Chl Dpth (ft)	0.61	Hydr. Depth (ft)		0.32	
Conv. Total (cfs)	300.3	Conv. (cfs)		300.3	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		53.17	
Min Ch El (ft)	7061.67	Shear (lb/sq ft)		0.41	
Alpha	1.00	Stream Power (lb/ft s)		1.04	
Frctn Loss (ft)	0.38	Cum Volume (acre-ft)		0.64	
C & E Loss (ft)	0.00	Cum SA (acres)		1.73	

Errors Warnings and Notes

Warning:	Divided flow computed for this cross-section.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2520.00* Profile: Q010

E.G. Elev (ft)	7061.99	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.		0.040	
W.S. Elev (ft)	7061.91	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		18.43	
E.G. Slope (ft/ft)	0.017599	Area (sq ft)		18.43	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	56.55	Top Width (ft)		56.55	
Vel Total (ft/s)	2.33	Avg. Vel. (ft/s)		2.33	
Max Chl Dpth (ft)	0.68	Hydr. Depth (ft)		0.33	
Conv. Total (cfs)	324.1	Conv. (cfs)		324.1	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		56.61	
Min Ch El (ft)	7061.23	Shear (lb/sq ft)		0.36	
Alpha	1.00	Stream Power (lb/ft s)		0.83	
Frctn Loss (ft)	0.39	Cum Volume (acre-ft)		0.63	
C & E Loss (ft)	0.00	Cum SA (acres)		1.70	

Errors Warnings and Notes

Warning:	Divided flow computed for this cross-section.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2500 Profile: Q010

E.G. Elev (ft)	7061.59	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.11	Wt. n-Val.		0.040	
W.S. Elev (ft)	7061.48	Reach Len. (ft)	28.66	29.02	29.34
Crit W.S. (ft)	7061.42	Flow Area (sq ft)		16.44	
E.G. Slope (ft/ft)	0.021868	Area (sq ft)		16.44	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	49.95	Top Width (ft)		49.95	
Vel Total (ft/s)	2.62	Avg. Vel. (ft/s)		2.62	
Max Chl Dpth (ft)	0.68	Hydr. Depth (ft)		0.33	
Conv. Total (cfs)	290.8	Conv. (cfs)		290.8	
Length Wtd. (ft)	29.02	Wetted Per. (ft)		50.02	
Min Ch El (ft)	7060.80	Shear (lb/sq ft)		0.45	
Alpha	1.00	Stream Power (lb/ft s)		1.17	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2500 Profile: Q010 (Continued)

Frctn Loss (ft)	0.62	Cum Volume (acre-ft)		0.62	
C & E Loss (ft)	0.00	Cum SA (acres)		1.68	

Errors Warnings and Notes

Warning:	Divided flow computed for this cross-section.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2471.00* Profile: Q010

E.G. Elev (ft)	7060.97	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.040	
W.S. Elev (ft)	7060.88	Reach Len. (ft)	28.66	29.02	29.34
Crit W.S. (ft)		Flow Area (sq ft)		17.19	
E.G. Slope (ft/ft)	0.020686	Area (sq ft)		17.19	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	53.59	Top Width (ft)		53.59	
Vel Total (ft/s)	2.50	Avg. Vel. (ft/s)		2.50	
Max Chl Dpth (ft)	0.73	Hydr. Depth (ft)		0.32	
Conv. Total (cfs)	299.0	Conv. (cfs)		299.0	
Length Wtd. (ft)	29.02	Wetted Per. (ft)		53.65	
Min Ch El (ft)	7060.15	Shear (lb/sq ft)		0.41	
Alpha	1.00	Stream Power (lb/ft s)		1.04	
Frctn Loss (ft)	0.63	Cum Volume (acre-ft)		0.61	
C & E Loss (ft)	0.00	Cum SA (acres)		1.64	

Errors Warnings and Notes

Warning:	Divided flow computed for this cross-section.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2442.00* Profile: Q010

E.G. Elev (ft)	7060.35	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.040	
W.S. Elev (ft)	7060.25	Reach Len. (ft)	28.66	29.02	29.34
Crit W.S. (ft)	7060.19	Flow Area (sq ft)		16.75	
E.G. Slope (ft/ft)	0.022729	Area (sq ft)		16.75	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	53.92	Top Width (ft)		53.92	
Vel Total (ft/s)	2.57	Avg. Vel. (ft/s)		2.57	
Max Chl Dpth (ft)	0.75	Hydr. Depth (ft)		0.31	
Conv. Total (cfs)	285.2	Conv. (cfs)		285.2	
Length Wtd. (ft)	29.02	Wetted Per. (ft)		53.99	
Min Ch El (ft)	7059.50	Shear (lb/sq ft)		0.44	
Alpha	1.00	Stream Power (lb/ft s)		1.13	
Frctn Loss (ft)	0.62	Cum Volume (acre-ft)		0.60	
C & E Loss (ft)	0.00	Cum SA (acres)		1.61	

Errors Warnings and Notes

Warning:	Divided flow computed for this cross-section.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2413.00* Profile: Q010

E.G. Elev (ft)	7059.73	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.040	
W.S. Elev (ft)	7059.63	Reach Len. (ft)	28.66	29.02	29.34
Crit W.S. (ft)		Flow Area (sq ft)		17.08	
E.G. Slope (ft/ft)	0.020089	Area (sq ft)		17.08	
Q Total (cfs)	43.00	Flow (cfs)		43.00	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2413.00* Profile: Q010 (Continued)

Top Width (ft)	51.54	Top Width (ft)		51.54	
Vel Total (ft/s)	2.52	Avg. Vel. (ft/s)		2.52	
Max Chl Dpth (ft)	0.78	Hydr. Depth (ft)		0.33	
Conv. Total (cfs)	303.4	Conv. (cfs)		303.4	
Length Wtd. (ft)	29.02	Wetted Per. (ft)		51.63	
Min Ch El (ft)	7058.85	Shear (lb/sq ft)		0.41	
Alpha	1.00	Stream Power (lb/ft s)		1.04	
Frctn Loss (ft)	0.64	Cum Volume (acre-ft)		0.59	
C & E Loss (ft)	0.00	Cum SA (acres)		1.57	

Errors Warnings and Notes

Warning:	Divided flow computed for this cross-section.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2384.00* Profile: Q010

E.G. Elev (ft)	7059.09	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.13	Wt. n-Val.		0.040	
W.S. Elev (ft)	7058.96	Reach Len. (ft)	28.66	29.02	29.34
Crit W.S. (ft)	7058.91	Flow Area (sq ft)		15.04	
E.G. Slope (ft/ft)	0.024147	Area (sq ft)		15.04	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	43.01	Top Width (ft)		43.01	
Vel Total (ft/s)	2.86	Avg. Vel. (ft/s)		2.86	
Max Chl Dpth (ft)	0.76	Hydr. Depth (ft)		0.35	
Conv. Total (cfs)	276.7	Conv. (cfs)		276.7	
Length Wtd. (ft)	29.02	Wetted Per. (ft)		43.12	
Min Ch El (ft)	7058.20	Shear (lb/sq ft)		0.53	
Alpha	1.00	Stream Power (lb/ft s)		1.50	
Frctn Loss (ft)	0.63	Cum Volume (acre-ft)		0.58	
C & E Loss (ft)	0.00	Cum SA (acres)		1.54	

Errors Warnings and Notes

Warning:	Divided flow computed for this cross-section.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2355.00* Profile: Q010

E.G. Elev (ft)	7058.46	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.11	Wt. n-Val.		0.040	
W.S. Elev (ft)	7058.34	Reach Len. (ft)	28.66	29.02	29.34
Crit W.S. (ft)		Flow Area (sq ft)		15.97	
E.G. Slope (ft/ft)	0.019716	Area (sq ft)		15.97	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	42.91	Top Width (ft)		42.91	
Vel Total (ft/s)	2.69	Avg. Vel. (ft/s)		2.69	
Max Chl Dpth (ft)	0.79	Hydr. Depth (ft)		0.37	
Conv. Total (cfs)	306.2	Conv. (cfs)		306.2	
Length Wtd. (ft)	29.02	Wetted Per. (ft)		43.06	
Min Ch El (ft)	7057.55	Shear (lb/sq ft)		0.46	
Alpha	1.00	Stream Power (lb/ft s)		1.23	
Frctn Loss (ft)	0.66	Cum Volume (acre-ft)		0.57	
C & E Loss (ft)	0.00	Cum SA (acres)		1.51	

Errors Warnings and Notes

Warning:	Divided flow computed for this cross-section.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2326 Profile: Q010

E.G. Elev (ft)	7057.80	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.14	Wt. n-Val.		0.040	
W.S. Elev (ft)	7057.66	Reach Len. (ft)	21.60	27.80	28.00
Crit W.S. (ft)	7057.62	Flow Area (sq ft)		14.13	
E.G. Slope (ft/ft)	0.026183	Area (sq ft)		14.13	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	39.02	Top Width (ft)		39.02	
Vel Total (ft/s)	3.04	Avg. Vel. (ft/s)		3.04	
Max Chl Dpth (ft)	0.76	Hydr. Depth (ft)		0.36	
Conv. Total (cfs)	265.7	Conv. (cfs)		265.7	
Length Wtd. (ft)	27.80	Wetted Per. (ft)		39.22	
Min Ch El (ft)	7056.90	Shear (lb/sq ft)		0.59	
Alpha	1.00	Stream Power (lb/ft s)		1.79	
Frctn Loss (ft)	0.60	Cum Volume (acre-ft)		0.56	
C & E Loss (ft)	0.01	Cum SA (acres)		1.48	

Errors Warnings and Notes

Warning:	Divided flow computed for this cross-section.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2298.20* Profile: Q010

E.G. Elev (ft)	7057.19	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.040	
W.S. Elev (ft)	7057.09	Reach Len. (ft)	21.60	27.80	28.00
Crit W.S. (ft)		Flow Area (sq ft)		16.74	
E.G. Slope (ft/ft)	0.018164	Area (sq ft)		16.74	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	45.44	Top Width (ft)		45.44	
Vel Total (ft/s)	2.57	Avg. Vel. (ft/s)		2.57	
Max Chl Dpth (ft)	0.77	Hydr. Depth (ft)		0.37	
Conv. Total (cfs)	319.1	Conv. (cfs)		319.1	
Length Wtd. (ft)	27.80	Wetted Per. (ft)		45.58	
Min Ch El (ft)	7056.32	Shear (lb/sq ft)		0.42	
Alpha	1.00	Stream Power (lb/ft s)		1.07	
Frctn Loss (ft)	0.64	Cum Volume (acre-ft)		0.55	
C & E Loss (ft)	0.00	Cum SA (acres)		1.46	

Errors Warnings and Notes

Warning:	Divided flow computed for this cross-section.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2270.40* Profile: Q010

E.G. Elev (ft)	7056.54	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.14	Wt. n-Val.		0.040	
W.S. Elev (ft)	7056.41	Reach Len. (ft)	21.60	27.80	28.00
Crit W.S. (ft)	7056.38	Flow Area (sq ft)		14.46	
E.G. Slope (ft/ft)	0.029920	Area (sq ft)		14.46	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	45.88	Top Width (ft)		45.88	
Vel Total (ft/s)	2.97	Avg. Vel. (ft/s)		2.97	
Max Chl Dpth (ft)	0.66	Hydr. Depth (ft)		0.32	
Conv. Total (cfs)	248.6	Conv. (cfs)		248.6	
Length Wtd. (ft)	27.80	Wetted Per. (ft)		45.97	
Min Ch El (ft)	7055.74	Shear (lb/sq ft)		0.59	
Alpha	1.00	Stream Power (lb/ft s)		1.75	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2270.40* Profile: Q010 (Continued)

Frctn Loss (ft)	0.62	Cum Volume (acre-ft)		0.54	
C & E Loss (ft)	0.02	Cum SA (acres)		1.43	

Errors Warnings and Notes

Warning:	Divided flow computed for this cross-section.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2242.60* Profile: Q010

E.G. Elev (ft)	7055.91	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.		0.040	
W.S. Elev (ft)	7055.83	Reach Len. (ft)	21.60	27.80	28.00
Crit W.S. (ft)	7055.76	Flow Area (sq ft)		18.92	
E.G. Slope (ft/ft)	0.017407	Area (sq ft)		18.92	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	59.85	Top Width (ft)		59.85	
Vel Total (ft/s)	2.27	Avg. Vel. (ft/s)		2.27	
Max Chl Dpth (ft)	0.67	Hydr. Depth (ft)		0.32	
Conv. Total (cfs)	325.9	Conv. (cfs)		325.9	
Length Wtd. (ft)	27.80	Wetted Per. (ft)		59.92	
Min Ch El (ft)	7055.16	Shear (lb/sq ft)		0.34	
Alpha	1.00	Stream Power (lb/ft s)		0.78	
Frctn Loss (ft)	0.66	Cum Volume (acre-ft)		0.53	
C & E Loss (ft)	0.00	Cum SA (acres)		1.39	

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2214.80* Profile: Q010

E.G. Elev (ft)	7055.24	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.13	Wt. n-Val.		0.040	
W.S. Elev (ft)	7055.11	Reach Len. (ft)	21.60	27.80	28.00
Crit W.S. (ft)	7055.11	Flow Area (sq ft)		14.85	
E.G. Slope (ft/ft)	0.034488	Area (sq ft)		14.85	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	54.60	Top Width (ft)		54.60	
Vel Total (ft/s)	2.90	Avg. Vel. (ft/s)		2.90	
Max Chl Dpth (ft)	0.53	Hydr. Depth (ft)		0.27	
Conv. Total (cfs)	231.5	Conv. (cfs)		231.5	
Length Wtd. (ft)	27.80	Wetted Per. (ft)		54.63	
Min Ch El (ft)	7054.58	Shear (lb/sq ft)		0.59	
Alpha	1.00	Stream Power (lb/ft s)		1.69	
Frctn Loss (ft)	0.55	Cum Volume (acre-ft)		0.52	
C & E Loss (ft)	0.02	Cum SA (acres)		1.36	

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Warning:	During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2187 Profile: Q010

E.G. Elev (ft)	7054.63	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.07	Wt. n-Val.		0.040	
W.S. Elev (ft)	7054.57	Reach Len. (ft)	30.40	28.40	26.60
Crit W.S. (ft)	7054.46	Flow Area (sq ft)		20.52	
E.G. Slope (ft/ft)	0.012962	Area (sq ft)		20.52	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	58.77	Top Width (ft)		58.77	
Vel Total (ft/s)	2.10	Avg. Vel. (ft/s)		2.10	
Max Chl Dpth (ft)	0.57	Hydr. Depth (ft)		0.35	
Conv. Total (cfs)	377.7	Conv. (cfs)		377.7	
Length Wtd. (ft)	28.40	Wetted Per. (ft)		58.80	
Min Ch El (ft)	7054.00	Shear (lb/sq ft)		0.28	
Alpha	1.00	Stream Power (lb/ft s)		0.59	
Frctn Loss (ft)	0.38	Cum Volume (acre-ft)		0.51	
C & E Loss (ft)	0.00	Cum SA (acres)		1.32	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2158.60* Profile: Q010

E.G. Elev (ft)	7054.26	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.		0.040	
W.S. Elev (ft)	7054.18	Reach Len. (ft)	30.40	28.40	26.60
Crit W.S. (ft)		Flow Area (sq ft)		19.54	
E.G. Slope (ft/ft)	0.013599	Area (sq ft)		19.54	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	53.92	Top Width (ft)		53.92	
Vel Total (ft/s)	2.20	Avg. Vel. (ft/s)		2.20	
Max Chl Dpth (ft)	0.58	Hydr. Depth (ft)		0.36	
Conv. Total (cfs)	368.7	Conv. (cfs)		368.7	
Length Wtd. (ft)	28.40	Wetted Per. (ft)		53.94	
Min Ch El (ft)	7053.60	Shear (lb/sq ft)		0.31	
Alpha	1.00	Stream Power (lb/ft s)		0.68	
Frctn Loss (ft)	0.38	Cum Volume (acre-ft)		0.49	
C & E Loss (ft)	0.00	Cum SA (acres)		1.28	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2130.20* Profile: Q010

E.G. Elev (ft)	7053.88	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.		0.040	
W.S. Elev (ft)	7053.80	Reach Len. (ft)	30.40	28.40	26.60
Crit W.S. (ft)		Flow Area (sq ft)		19.48	
E.G. Slope (ft/ft)	0.013281	Area (sq ft)		19.48	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	52.63	Top Width (ft)		52.63	
Vel Total (ft/s)	2.21	Avg. Vel. (ft/s)		2.21	
Max Chl Dpth (ft)	0.60	Hydr. Depth (ft)		0.37	
Conv. Total (cfs)	373.1	Conv. (cfs)		373.1	
Length Wtd. (ft)	28.40	Wetted Per. (ft)		52.65	
Min Ch El (ft)	7053.20	Shear (lb/sq ft)		0.31	
Alpha	1.00	Stream Power (lb/ft s)		0.68	
Frctn Loss (ft)	0.39	Cum Volume (acre-ft)		0.48	
C & E Loss (ft)	0.00	Cum SA (acres)		1.25	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2101.80* Profile: Q010

E.G. Elev (ft)	7053.48	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.		0.040	
W.S. Elev (ft)	7053.41	Reach Len. (ft)	30.40	28.40	26.60
Crit W.S. (ft)		Flow Area (sq ft)		19.16	
E.G. Slope (ft/ft)	0.014406	Area (sq ft)		19.16	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	53.61	Top Width (ft)		53.61	
Vel Total (ft/s)	2.24	Avg. Vel. (ft/s)		2.24	
Max Chl Dpth (ft)	0.60	Hydr. Depth (ft)		0.36	
Conv. Total (cfs)	358.3	Conv. (cfs)		358.3	
Length Wtd. (ft)	28.40	Wetted Per. (ft)		53.63	
Min Ch El (ft)	7052.80	Shear (lb/sq ft)		0.32	
Alpha	1.00	Stream Power (lb/ft s)		0.72	
Frctn Loss (ft)	0.38	Cum Volume (acre-ft)		0.47	
C & E Loss (ft)	0.00	Cum SA (acres)		1.21	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2073.40* Profile: Q010

E.G. Elev (ft)	7053.11	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.07	Wt. n-Val.		0.040	
W.S. Elev (ft)	7053.04	Reach Len. (ft)	30.40	28.40	26.60
Crit W.S. (ft)		Flow Area (sq ft)		20.90	
E.G. Slope (ft/ft)	0.012224	Area (sq ft)		20.90	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	58.91	Top Width (ft)		58.91	
Vel Total (ft/s)	2.06	Avg. Vel. (ft/s)		2.06	
Max Chl Dpth (ft)	0.64	Hydr. Depth (ft)		0.35	
Conv. Total (cfs)	388.9	Conv. (cfs)		388.9	
Length Wtd. (ft)	28.40	Wetted Per. (ft)		58.94	
Min Ch El (ft)	7052.40	Shear (lb/sq ft)		0.27	
Alpha	1.00	Stream Power (lb/ft s)		0.56	
Frctn Loss (ft)	0.42	Cum Volume (acre-ft)		0.46	
C & E Loss (ft)	0.00	Cum SA (acres)		1.18	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2045 Profile: Q010

E.G. Elev (ft)	7052.69	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.		0.040	
W.S. Elev (ft)	7052.61	Reach Len. (ft)	35.80	29.20	28.80
Crit W.S. (ft)		Flow Area (sq ft)		19.14	
E.G. Slope (ft/ft)	0.017799	Area (sq ft)		19.14	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	62.69	Top Width (ft)		62.69	
Vel Total (ft/s)	2.25	Avg. Vel. (ft/s)		2.25	
Max Chl Dpth (ft)	0.61	Hydr. Depth (ft)		0.31	
Conv. Total (cfs)	322.3	Conv. (cfs)		322.3	
Length Wtd. (ft)	29.20	Wetted Per. (ft)		62.72	
Min Ch El (ft)	7052.00	Shear (lb/sq ft)		0.34	
Alpha	1.00	Stream Power (lb/ft s)		0.76	
Frctn Loss (ft)	0.54	Cum Volume (acre-ft)		0.44	
C & E Loss (ft)	0.00	Cum SA (acres)		1.14	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2015.80* Profile: Q010

E.G. Elev (ft)	7052.15	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.		0.040	
W.S. Elev (ft)	7052.07	Reach Len. (ft)	35.80	29.20	28.80
Crit W.S. (ft)		Flow Area (sq ft)		18.56	
E.G. Slope (ft/ft)	0.019072	Area (sq ft)		18.56	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	61.16	Top Width (ft)		61.16	
Vel Total (ft/s)	2.32	Avg. Vel. (ft/s)		2.32	
Max Chl Dpth (ft)	0.61	Hydr. Depth (ft)		0.30	
Conv. Total (cfs)	311.4	Conv. (cfs)		311.4	
Length Wtd. (ft)	29.20	Wetted Per. (ft)		61.18	
Min Ch El (ft)	7051.46	Shear (lb/sq ft)		0.36	
Alpha	1.00	Stream Power (lb/ft s)		0.84	
Frctn Loss (ft)	0.54	Cum Volume (acre-ft)		0.43	
C & E Loss (ft)	0.00	Cum SA (acres)		1.10	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1986.60* Profile: Q010

E.G. Elev (ft)	7051.61	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.		0.040	
W.S. Elev (ft)	7051.53	Reach Len. (ft)	35.80	29.20	28.80
Crit W.S. (ft)		Flow Area (sq ft)		18.77	
E.G. Slope (ft/ft)	0.017901	Area (sq ft)		18.77	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	59.95	Top Width (ft)		59.95	
Vel Total (ft/s)	2.29	Avg. Vel. (ft/s)		2.29	
Max Chl Dpth (ft)	0.61	Hydr. Depth (ft)		0.31	
Conv. Total (cfs)	321.4	Conv. (cfs)		321.4	
Length Wtd. (ft)	29.20	Wetted Per. (ft)		59.97	
Min Ch El (ft)	7050.92	Shear (lb/sq ft)		0.35	
Alpha	1.00	Stream Power (lb/ft s)		0.80	
Frctn Loss (ft)	0.56	Cum Volume (acre-ft)		0.42	
C & E Loss (ft)	0.00	Cum SA (acres)		1.06	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1957.40* Profile: Q010

E.G. Elev (ft)	7051.06	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.09	Wt. n-Val.		0.040	
W.S. Elev (ft)	7050.97	Reach Len. (ft)	35.80	29.20	28.80
Crit W.S. (ft)		Flow Area (sq ft)		17.90	
E.G. Slope (ft/ft)	0.020383	Area (sq ft)		17.90	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	58.67	Top Width (ft)		58.67	
Vel Total (ft/s)	2.40	Avg. Vel. (ft/s)		2.40	
Max Chl Dpth (ft)	0.59	Hydr. Depth (ft)		0.31	
Conv. Total (cfs)	301.2	Conv. (cfs)		301.2	
Length Wtd. (ft)	29.20	Wetted Per. (ft)		58.69	
Min Ch El (ft)	7050.38	Shear (lb/sq ft)		0.39	
Alpha	1.00	Stream Power (lb/ft s)		0.93	
Frctn Loss (ft)	0.54	Cum Volume (acre-ft)		0.40	
C & E Loss (ft)	0.00	Cum SA (acres)		1.02	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1928.20* Profile: Q010

E.G. Elev (ft)	7050.53	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.		0.040	
W.S. Elev (ft)	7050.45	Reach Len. (ft)	35.80	29.20	28.80
Crit W.S. (ft)		Flow Area (sq ft)		19.11	
E.G. Slope (ft/ft)	0.016586	Area (sq ft)		19.11	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	59.25	Top Width (ft)		59.25	
Vel Total (ft/s)	2.25	Avg. Vel. (ft/s)		2.25	
Max Chl Dpth (ft)	0.61	Hydr. Depth (ft)		0.32	
Conv. Total (cfs)	333.9	Conv. (cfs)		333.9	
Length Wtd. (ft)	29.20	Wetted Per. (ft)		59.26	
Min Ch El (ft)	7049.84	Shear (lb/sq ft)		0.33	
Alpha	1.00	Stream Power (lb/ft s)		0.75	
Frctn Loss (ft)	0.57	Cum Volume (acre-ft)		0.39	
C & E Loss (ft)	0.00	Cum SA (acres)		0.98	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1899 Profile: Q010

E.G. Elev (ft)	7049.97	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.040	
W.S. Elev (ft)	7049.87	Reach Len. (ft)	45.67	43.00	43.67
Crit W.S. (ft)	7049.82	Flow Area (sq ft)		16.81	
E.G. Slope (ft/ft)	0.022940	Area (sq ft)		16.81	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	54.84	Top Width (ft)		54.84	
Vel Total (ft/s)	2.56	Avg. Vel. (ft/s)		2.56	
Max Chl Dpth (ft)	0.57	Hydr. Depth (ft)		0.31	
Conv. Total (cfs)	283.9	Conv. (cfs)		283.9	
Length Wtd. (ft)	43.00	Wetted Per. (ft)		54.85	
Min Ch El (ft)	7049.30	Shear (lb/sq ft)		0.44	
Alpha	1.00	Stream Power (lb/ft s)		1.12	
Frctn Loss (ft)	0.95	Cum Volume (acre-ft)		0.38	
C & E Loss (ft)	0.00	Cum SA (acres)		0.94	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1856.00* Profile: Q010

E.G. Elev (ft)	7049.02	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.040	
W.S. Elev (ft)	7048.92	Reach Len. (ft)	45.67	43.00	43.67
Crit W.S. (ft)		Flow Area (sq ft)		16.79	
E.G. Slope (ft/ft)	0.021163	Area (sq ft)		16.79	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	51.48	Top Width (ft)		51.48	
Vel Total (ft/s)	2.56	Avg. Vel. (ft/s)		2.56	
Max Chl Dpth (ft)	0.55	Hydr. Depth (ft)		0.33	
Conv. Total (cfs)	295.6	Conv. (cfs)		295.6	
Length Wtd. (ft)	43.00	Wetted Per. (ft)		51.49	
Min Ch El (ft)	7048.37	Shear (lb/sq ft)		0.43	
Alpha	1.00	Stream Power (lb/ft s)		1.10	
Frctn Loss (ft)	0.97	Cum Volume (acre-ft)		0.36	
C & E Loss (ft)	0.00	Cum SA (acres)		0.89	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1813.00* Profile: Q010

E.G. Elev (ft)	7048.05	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.11	Wt. n-Val.		0.040	
W.S. Elev (ft)	7047.94	Reach Len. (ft)	45.67	43.00	43.67
Crit W.S. (ft)		Flow Area (sq ft)		16.04	
E.G. Slope (ft/ft)	0.024337	Area (sq ft)		16.04	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	50.99	Top Width (ft)		50.99	
Vel Total (ft/s)	2.68	Avg. Vel. (ft/s)		2.68	
Max Chl Dpth (ft)	0.51	Hydr. Depth (ft)		0.31	
Conv. Total (cfs)	275.6	Conv. (cfs)		275.6	
Length Wtd. (ft)	43.00	Wetted Per. (ft)		51.00	
Min Ch El (ft)	7047.43	Shear (lb/sq ft)		0.48	
Alpha	1.00	Stream Power (lb/ft s)		1.28	
Frctn Loss (ft)	0.98	Cum Volume (acre-ft)		0.35	
C & E Loss (ft)	0.00	Cum SA (acres)		0.84	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1770 Profile: Q010

E.G. Elev (ft)	7047.08	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.		0.040	
W.S. Elev (ft)	7046.98	Reach Len. (ft)	45.74	45.26	62.76
Crit W.S. (ft)		Flow Area (sq ft)		17.02	
E.G. Slope (ft/ft)	0.021272	Area (sq ft)		17.02	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	53.43	Top Width (ft)		53.43	
Vel Total (ft/s)	2.53	Avg. Vel. (ft/s)		2.53	
Max Chl Dpth (ft)	0.48	Hydr. Depth (ft)		0.32	
Conv. Total (cfs)	294.8	Conv. (cfs)		294.8	
Length Wtd. (ft)	45.26	Wetted Per. (ft)		53.45	
Min Ch El (ft)	7046.50	Shear (lb/sq ft)		0.42	
Alpha	1.00	Stream Power (lb/ft s)		1.07	
Frctn Loss (ft)	1.13	Cum Volume (acre-ft)		0.33	
C & E Loss (ft)	0.00	Cum SA (acres)		0.78	

Errors Warnings and Notes

Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1724.75* Profile: Q010

E.G. Elev (ft)	7045.95	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.		0.040	
W.S. Elev (ft)	7045.83	Reach Len. (ft)	45.74	45.26	62.76
Crit W.S. (ft)	7045.81	Flow Area (sq ft)		15.41	
E.G. Slope (ft/ft)	0.029561	Area (sq ft)		15.41	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	53.37	Top Width (ft)		53.37	
Vel Total (ft/s)	2.79	Avg. Vel. (ft/s)		2.79	
Max Chl Dpth (ft)	0.45	Hydr. Depth (ft)		0.29	
Conv. Total (cfs)	250.1	Conv. (cfs)		250.1	
Length Wtd. (ft)	45.26	Wetted Per. (ft)		53.38	
Min Ch El (ft)	7045.38	Shear (lb/sq ft)		0.53	
Alpha	1.00	Stream Power (lb/ft s)		1.49	
Frctn Loss (ft)	1.09	Cum Volume (acre-ft)		0.31	
C & E Loss (ft)	0.01	Cum SA (acres)		0.73	

Errors Warnings and Notes

Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate
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Errors Warnings and Notes (Continued)

	the need for additional cross sections.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1679.50* Profile: Q010

E.G. Elev (ft)	7044.85	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.09	Wt. n-Val.		0.040	
W.S. Elev (ft)	7044.76	Reach Len. (ft)	45.74	45.26	62.76
Crit W.S. (ft)		Flow Area (sq ft)		17.97	
E.G. Slope (ft/ft)	0.020132	Area (sq ft)		17.97	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	58.76	Top Width (ft)		58.76	
Vel Total (ft/s)	2.39	Avg. Vel. (ft/s)		2.39	
Max Chl Dpth (ft)	0.51	Hydr. Depth (ft)		0.31	
Conv. Total (cfs)	303.1	Conv. (cfs)		303.1	
Length Wtd. (ft)	45.26	Wetted Per. (ft)		58.77	
Min Ch EI (ft)	7044.25	Shear (lb/sq ft)		0.38	
Alpha	1.00	Stream Power (lb/ft s)		0.92	
Frctn Loss (ft)	1.13	Cum Volume (acre-ft)		0.30	
C & E Loss (ft)	0.00	Cum SA (acres)		0.67	

Errors Warnings and Notes

Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1634.25* Profile: Q010

E.G. Elev (ft)	7043.71	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.		0.040	
W.S. Elev (ft)	7043.59	Reach Len. (ft)	45.74	45.26	62.76
Crit W.S. (ft)	7043.57	Flow Area (sq ft)		15.66	
E.G. Slope (ft/ft)	0.031653	Area (sq ft)		15.66	
Q Total (cfs)	43.00	Flow (cfs)		43.00	
Top Width (ft)	58.49	Top Width (ft)		58.49	
Vel Total (ft/s)	2.75	Avg. Vel. (ft/s)		2.75	
Max Chl Dpth (ft)	0.47	Hydr. Depth (ft)		0.27	
Conv. Total (cfs)	241.7	Conv. (cfs)		241.7	
Length Wtd. (ft)	45.26	Wetted Per. (ft)		58.50	
Min Ch EI (ft)	7043.12	Shear (lb/sq ft)		0.53	
Alpha	1.00	Stream Power (lb/ft s)		1.45	
Frctn Loss (ft)	0.95	Cum Volume (acre-ft)		0.28	
C & E Loss (ft)	0.00	Cum SA (acres)		0.61	

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1589 Profile: Q010

E.G. Elev (ft)	7042.75	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.11	Wt. n-Val.		0.040	
W.S. Elev (ft)	7042.65	Reach Len. (ft)	32.44	33.58	31.14
Crit W.S. (ft)		Flow Area (sq ft)		29.90	
E.G. Slope (ft/ft)	0.017303	Area (sq ft)		29.90	
Q Total (cfs)	78.00	Flow (cfs)		78.00	
Top Width (ft)	76.59	Top Width (ft)		76.59	
Vel Total (ft/s)	2.61	Avg. Vel. (ft/s)		2.61	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1589 Profile: Q010 (Continued)

Max Chl Dpth (ft)	0.64	Hydr. Depth (ft)		0.39	
Conv. Total (cfs)	593.0	Conv. (cfs)		593.0	
Length Wtd. (ft)	33.58	Wetted Per. (ft)		76.64	
Min Ch El (ft)	7042.00	Shear (lb/sq ft)		0.42	
Alpha	1.00	Stream Power (lb/ft s)		1.10	
Frctn Loss (ft)	0.58	Cum Volume (acre-ft)		0.26	
C & E Loss (ft)	0.00	Cum SA (acres)		0.54	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1555.43* Profile: Q010

E.G. Elev (ft)	7042.18	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.11	Wt. n-Val.		0.040	
W.S. Elev (ft)	7042.07	Reach Len. (ft)	32.44	33.58	31.14
Crit W.S. (ft)		Flow Area (sq ft)		29.25	
E.G. Slope (ft/ft)	0.017359	Area (sq ft)		29.25	
Q Total (cfs)	78.00	Flow (cfs)		78.00	
Top Width (ft)	72.69	Top Width (ft)		72.69	
Vel Total (ft/s)	2.67	Avg. Vel. (ft/s)		2.67	
Max Chl Dpth (ft)	0.68	Hydr. Depth (ft)		0.40	
Conv. Total (cfs)	592.0	Conv. (cfs)		592.0	
Length Wtd. (ft)	33.58	Wetted Per. (ft)		72.71	
Min Ch El (ft)	7041.39	Shear (lb/sq ft)		0.44	
Alpha	1.00	Stream Power (lb/ft s)		1.16	
Frctn Loss (ft)	0.58	Cum Volume (acre-ft)		0.23	
C & E Loss (ft)	0.00	Cum SA (acres)		0.48	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1521.86* Profile: Q010

E.G. Elev (ft)	7041.60	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.		0.040	
W.S. Elev (ft)	7041.48	Reach Len. (ft)	32.44	33.58	31.14
Crit W.S. (ft)		Flow Area (sq ft)		28.03	
E.G. Slope (ft/ft)	0.017355	Area (sq ft)		28.03	
Q Total (cfs)	78.00	Flow (cfs)		78.00	
Top Width (ft)	65.34	Top Width (ft)		65.34	
Vel Total (ft/s)	2.78	Avg. Vel. (ft/s)		2.78	
Max Chl Dpth (ft)	0.71	Hydr. Depth (ft)		0.43	
Conv. Total (cfs)	592.1	Conv. (cfs)		592.1	
Length Wtd. (ft)	33.58	Wetted Per. (ft)		65.36	
Min Ch El (ft)	7040.77	Shear (lb/sq ft)		0.46	
Alpha	1.00	Stream Power (lb/ft s)		1.29	
Frctn Loss (ft)	0.58	Cum Volume (acre-ft)		0.21	
C & E Loss (ft)	0.00	Cum SA (acres)		0.43	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1488.29* Profile: Q010

E.G. Elev (ft)	7041.02	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.13	Wt. n-Val.		0.040	
W.S. Elev (ft)	7040.90	Reach Len. (ft)	32.44	33.58	31.14
Crit W.S. (ft)		Flow Area (sq ft)		27.04	
E.G. Slope (ft/ft)	0.017016	Area (sq ft)		27.04	
Q Total (cfs)	78.00	Flow (cfs)		78.00	
Top Width (ft)	58.83	Top Width (ft)		58.83	
Vel Total (ft/s)	2.88	Avg. Vel. (ft/s)		2.88	
Max Chl Dpth (ft)	0.73	Hydr. Depth (ft)		0.46	
Conv. Total (cfs)	598.0	Conv. (cfs)		598.0	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1488.29* Profile: Q010 (Continued)

Length Wtd. (ft)	33.58	Wetted Per. (ft)		58.86	
Min Ch El (ft)	7040.16	Shear (lb/sq ft)		0.49	
Alpha	1.00	Stream Power (lb/ft s)		1.41	
Frctn Loss (ft)	0.58	Cum Volume (acre-ft)		0.19	
C & E Loss (ft)	0.00	Cum SA (acres)		0.38	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1454.71* Profile: Q010

E.G. Elev (ft)	7040.44	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.14	Wt. n-Val.		0.040	
W.S. Elev (ft)	7040.30	Reach Len. (ft)	32.44	33.58	31.14
Crit W.S. (ft)		Flow Area (sq ft)		25.74	
E.G. Slope (ft/ft)	0.017794	Area (sq ft)		25.74	
Q Total (cfs)	78.00	Flow (cfs)		78.00	
Top Width (ft)	53.78	Top Width (ft)		53.78	
Vel Total (ft/s)	3.03	Avg. Vel. (ft/s)		3.03	
Max Chl Dpth (ft)	0.75	Hydr. Depth (ft)		0.48	
Conv. Total (cfs)	584.7	Conv. (cfs)		584.7	
Length Wtd. (ft)	33.58	Wetted Per. (ft)		53.82	
Min Ch El (ft)	7039.54	Shear (lb/sq ft)		0.53	
Alpha	1.00	Stream Power (lb/ft s)		1.61	
Frctn Loss (ft)	0.57	Cum Volume (acre-ft)		0.17	
C & E Loss (ft)	0.00	Cum SA (acres)		0.34	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1421.14* Profile: Q010

E.G. Elev (ft)	7039.87	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.14	Wt. n-Val.		0.040	
W.S. Elev (ft)	7039.72	Reach Len. (ft)	32.44	33.58	31.14
Crit W.S. (ft)		Flow Area (sq ft)		25.63	
E.G. Slope (ft/ft)	0.016481	Area (sq ft)		25.63	
Q Total (cfs)	78.00	Flow (cfs)		78.00	
Top Width (ft)	50.20	Top Width (ft)		50.20	
Vel Total (ft/s)	3.04	Avg. Vel. (ft/s)		3.04	
Max Chl Dpth (ft)	0.79	Hydr. Depth (ft)		0.51	
Conv. Total (cfs)	607.6	Conv. (cfs)		607.6	
Length Wtd. (ft)	33.58	Wetted Per. (ft)		50.26	
Min Ch El (ft)	7038.93	Shear (lb/sq ft)		0.52	
Alpha	1.00	Stream Power (lb/ft s)		1.60	
Frctn Loss (ft)	0.58	Cum Volume (acre-ft)		0.15	
C & E Loss (ft)	0.00	Cum SA (acres)		0.30	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1387.57* Profile: Q010

E.G. Elev (ft)	7039.29	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.16	Wt. n-Val.		0.040	
W.S. Elev (ft)	7039.13	Reach Len. (ft)	32.44	33.58	31.14
Crit W.S. (ft)		Flow Area (sq ft)		24.26	
E.G. Slope (ft/ft)	0.017894	Area (sq ft)		24.26	
Q Total (cfs)	78.00	Flow (cfs)		78.00	
Top Width (ft)	46.57	Top Width (ft)		46.57	
Vel Total (ft/s)	3.21	Avg. Vel. (ft/s)		3.21	
Max Chl Dpth (ft)	0.82	Hydr. Depth (ft)		0.52	
Conv. Total (cfs)	583.1	Conv. (cfs)		583.1	
Length Wtd. (ft)	33.58	Wetted Per. (ft)		46.64	
Min Ch El (ft)	7038.31	Shear (lb/sq ft)		0.58	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1387.57* Profile: Q010 (Continued)

Alpha	1.00	Stream Power (lb/ft s)		1.87	
Frctn Loss (ft)	0.56	Cum Volume (acre-ft)		0.13	
C & E Loss (ft)	0.00	Cum SA (acres)		0.26	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1354 Profile: Q010

E.G. Elev (ft)	7038.73	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.16	Wt. n-Val.		0.040	
W.S. Elev (ft)	7038.57	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)		Flow Area (sq ft)		24.63	
E.G. Slope (ft/ft)	0.015715	Area (sq ft)		24.63	
Q Total (cfs)	78.00	Flow (cfs)		78.00	
Top Width (ft)	43.85	Top Width (ft)		43.85	
Vel Total (ft/s)	3.17	Avg. Vel. (ft/s)		3.17	
Max Chl Dpth (ft)	0.87	Hydr. Depth (ft)		0.56	
Conv. Total (cfs)	622.2	Conv. (cfs)		622.2	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		43.94	
Min Ch El (ft)	7037.70	Shear (lb/sq ft)		0.55	
Alpha	1.00	Stream Power (lb/ft s)		1.74	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)		0.11	
C & E Loss (ft)	0.00	Cum SA (acres)		0.22	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1335.88* Profile: Q010

E.G. Elev (ft)	7038.44	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.15	Wt. n-Val.		0.040	
W.S. Elev (ft)	7038.30	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)		Flow Area (sq ft)		25.22	
E.G. Slope (ft/ft)	0.015571	Area (sq ft)		25.22	
Q Total (cfs)	78.00	Flow (cfs)		78.00	
Top Width (ft)	46.21	Top Width (ft)		46.21	
Vel Total (ft/s)	3.09	Avg. Vel. (ft/s)		3.09	
Max Chl Dpth (ft)	0.84	Hydr. Depth (ft)		0.55	
Conv. Total (cfs)	625.1	Conv. (cfs)		625.1	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		46.29	
Min Ch El (ft)	7037.46	Shear (lb/sq ft)		0.53	
Alpha	1.00	Stream Power (lb/ft s)		1.64	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)		0.10	
C & E Loss (ft)	0.00	Cum SA (acres)		0.21	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1317.75* Profile: Q010

E.G. Elev (ft)	7038.17	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.14	Wt. n-Val.		0.040	
W.S. Elev (ft)	7038.02	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)		Flow Area (sq ft)		25.93	
E.G. Slope (ft/ft)	0.015337	Area (sq ft)		25.93	
Q Total (cfs)	78.00	Flow (cfs)		78.00	
Top Width (ft)	48.97	Top Width (ft)		48.97	
Vel Total (ft/s)	3.01	Avg. Vel. (ft/s)		3.01	
Max Chl Dpth (ft)	0.79	Hydr. Depth (ft)		0.53	
Conv. Total (cfs)	629.8	Conv. (cfs)		629.8	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		49.03	
Min Ch El (ft)	7037.23	Shear (lb/sq ft)		0.51	
Alpha	1.00	Stream Power (lb/ft s)		1.52	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)		0.09	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1317.75* Profile: Q010 (Continued)

C & E Loss (ft)	0.00	Cum SA (acres)		0.19	
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1299.63* Profile: Q010

E.G. Elev (ft)	7037.88	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.14	Wt. n-Val.		0.040	
W.S. Elev (ft)	7037.75	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)		Flow Area (sq ft)		26.43	
E.G. Slope (ft/ft)	0.015557	Area (sq ft)		26.43	
Q Total (cfs)	78.00	Flow (cfs)		78.00	
Top Width (ft)	51.92	Top Width (ft)		51.92	
Vel Total (ft/s)	2.95	Avg. Vel. (ft/s)		2.95	
Max Chl Dpth (ft)	0.76	Hydr. Depth (ft)		0.51	
Conv. Total (cfs)	625.4	Conv. (cfs)		625.4	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		51.97	
Min Ch El (ft)	7036.99	Shear (lb/sq ft)		0.49	
Alpha	1.00	Stream Power (lb/ft s)		1.46	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)		0.08	
C & E Loss (ft)	0.00	Cum SA (acres)		0.17	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1281.50* Profile: Q010

E.G. Elev (ft)	7037.60	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.13	Wt. n-Val.		0.040	
W.S. Elev (ft)	7037.47	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)		Flow Area (sq ft)		27.03	
E.G. Slope (ft/ft)	0.015701	Area (sq ft)		27.03	
Q Total (cfs)	78.00	Flow (cfs)		78.00	
Top Width (ft)	55.33	Top Width (ft)		55.33	
Vel Total (ft/s)	2.89	Avg. Vel. (ft/s)		2.89	
Max Chl Dpth (ft)	0.72	Hydr. Depth (ft)		0.49	
Conv. Total (cfs)	622.5	Conv. (cfs)		622.5	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		55.37	
Min Ch El (ft)	7036.75	Shear (lb/sq ft)		0.48	
Alpha	1.00	Stream Power (lb/ft s)		1.38	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)		0.07	
C & E Loss (ft)	0.00	Cum SA (acres)		0.14	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1263.38* Profile: Q010

E.G. Elev (ft)	7037.32	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.		0.040	
W.S. Elev (ft)	7037.20	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)		Flow Area (sq ft)		27.82	
E.G. Slope (ft/ft)	0.015650	Area (sq ft)		27.82	
Q Total (cfs)	78.00	Flow (cfs)		78.00	
Top Width (ft)	59.30	Top Width (ft)		59.30	
Vel Total (ft/s)	2.80	Avg. Vel. (ft/s)		2.80	
Max Chl Dpth (ft)	0.69	Hydr. Depth (ft)		0.47	
Conv. Total (cfs)	623.5	Conv. (cfs)		623.5	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		59.34	
Min Ch El (ft)	7036.51	Shear (lb/sq ft)		0.46	
Alpha	1.00	Stream Power (lb/ft s)		1.28	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)		0.06	
C & E Loss (ft)	0.00	Cum SA (acres)		0.12	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1245.25* Profile: Q010

E.G. Elev (ft)	7037.04	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.		0.040	
W.S. Elev (ft)	7036.92	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)		Flow Area (sq ft)		28.37	
E.G. Slope (ft/ft)	0.015434	Area (sq ft)		28.37	
Q Total (cfs)	78.00	Flow (cfs)		78.00	
Top Width (ft)	61.64	Top Width (ft)		61.64	
Vel Total (ft/s)	2.75	Avg. Vel. (ft/s)		2.75	
Max Chl Dpth (ft)	0.65	Hydr. Depth (ft)		0.46	
Conv. Total (cfs)	627.8	Conv. (cfs)		627.8	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		61.69	
Min Ch EI (ft)	7036.27	Shear (lb/sq ft)		0.44	
Alpha	1.00	Stream Power (lb/ft s)		1.22	
Frctn Loss (ft)	0.29	Cum Volume (acre-ft)		0.05	
C & E Loss (ft)	0.00	Cum SA (acres)		0.09	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1227.13* Profile: Q010

E.G. Elev (ft)	7036.74	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.		0.040	
W.S. Elev (ft)	7036.62	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)		Flow Area (sq ft)		27.97	
E.G. Slope (ft/ft)	0.016918	Area (sq ft)		27.97	
Q Total (cfs)	78.00	Flow (cfs)		78.00	
Top Width (ft)	63.73	Top Width (ft)		63.73	
Vel Total (ft/s)	2.79	Avg. Vel. (ft/s)		2.79	
Max Chl Dpth (ft)	0.58	Hydr. Depth (ft)		0.44	
Conv. Total (cfs)	599.7	Conv. (cfs)		599.7	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		63.80	
Min Ch EI (ft)	7036.04	Shear (lb/sq ft)		0.46	
Alpha	1.00	Stream Power (lb/ft s)		1.29	
Frctn Loss (ft)	0.20	Cum Volume (acre-ft)		0.03	
C & E Loss (ft)	0.01	Cum SA (acres)		0.07	

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1209 Profile: Q010

E.G. Elev (ft)	7036.53	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.07	Wt. n-Val.		0.040	
W.S. Elev (ft)	7036.46	Reach Len. (ft)	17.50	18.00	16.00
Crit W.S. (ft)		Flow Area (sq ft)		36.01	
E.G. Slope (ft/ft)	0.007774	Area (sq ft)		36.01	
Q Total (cfs)	78.00	Flow (cfs)		78.00	
Top Width (ft)	66.83	Top Width (ft)		66.83	
Vel Total (ft/s)	2.17	Avg. Vel. (ft/s)		2.17	
Max Chl Dpth (ft)	0.66	Hydr. Depth (ft)		0.54	
Conv. Total (cfs)	884.6	Conv. (cfs)		884.6	
Length Wtd. (ft)	18.00	Wetted Per. (ft)		66.95	
Min Ch EI (ft)	7035.80	Shear (lb/sq ft)		0.26	
Alpha	1.00	Stream Power (lb/ft s)		0.57	
Frctn Loss (ft)	0.25	Cum Volume (acre-ft)		0.02	
C & E Loss (ft)	0.02	Cum SA (acres)		0.04	

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Errors Warnings and Notes (Continued)

	1.4. This may indicate the need for additional cross sections.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1191.00* Profile: Q010

E.G. Elev (ft)	7036.27	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.23	Wt. n-Val.		0.040	
W.S. Elev (ft)	7036.03	Reach Len. (ft)	17.50	18.00	16.00
Crit W.S. (ft)	7036.03	Flow Area (sq ft)		20.09	
E.G. Slope (ft/ft)	0.030764	Area (sq ft)		20.09	
Q Total (cfs)	78.00	Flow (cfs)		78.00	
Top Width (ft)	43.62	Top Width (ft)		43.62	
Vel Total (ft/s)	3.88	Avg. Vel. (ft/s)		3.88	
Max Chl Dpth (ft)	0.63	Hydr. Depth (ft)		0.46	
Conv. Total (cfs)	444.7	Conv. (cfs)		444.7	
Length Wtd. (ft)	18.00	Wetted Per. (ft)		43.66	
Min Ch EI (ft)	7035.40	Shear (lb/sq ft)		0.88	
Alpha	1.00	Stream Power (lb/ft s)		3.43	
Frctn Loss (ft)	0.41	Cum Volume (acre-ft)		0.01	
C & E Loss (ft)	0.02	Cum SA (acres)		0.02	

Errors Warnings and Notes

Warning:	The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning:	During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1173 Profile: Q010

E.G. Elev (ft)	7035.73	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.17	Wt. n-Val.		0.040	
W.S. Elev (ft)	7035.57	Reach Len. (ft)			
Crit W.S. (ft)	7035.48	Flow Area (sq ft)		23.68	
E.G. Slope (ft/ft)	0.017690	Area (sq ft)		23.68	
Q Total (cfs)	78.00	Flow (cfs)		78.00	
Top Width (ft)	43.29	Top Width (ft)		43.29	
Vel Total (ft/s)	3.29	Avg. Vel. (ft/s)		3.29	
Max Chl Dpth (ft)	0.57	Hydr. Depth (ft)		0.55	
Conv. Total (cfs)	586.5	Conv. (cfs)		586.5	
Length Wtd. (ft)		Wetted Per. (ft)		43.50	
Min Ch EI (ft)	7035.00	Shear (lb/sq ft)		0.60	
Alpha	1.00	Stream Power (lb/ft s)		1.98	
Frctn Loss (ft)		Cum Volume (acre-ft)			
C & E Loss (ft)		Cum SA (acres)			

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 4141 Profile: Q002

E.G. Elev (ft)	7089.36	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7089.34	Reach Len. (ft)	26.60	28.80	30.40
Crit W.S. (ft)	7089.33	Flow Area (sq ft)		1.25	
E.G. Slope (ft/ft)	0.030500	Area (sq ft)		1.25	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	17.31	Top Width (ft)		17.31	
Vel Total (ft/s)	1.12	Avg. Vel. (ft/s)		1.12	
Max Chl Dpth (ft)	0.14	Hydr. Depth (ft)		0.07	
Conv. Total (cfs)	8.0	Conv. (cfs)		8.0	
Length Wtd. (ft)	28.80	Wetted Per. (ft)		17.31	
Min Ch El (ft)	7089.20	Shear (lb/sq ft)		0.14	
Alpha	1.00	Stream Power (lb/ft s)		0.15	
Frctn Loss (ft)	0.66	Cum Volume (acre-ft)		0.16	
C & E Loss (ft)	0.00	Cum SA (acres)		1.69	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 4112.20* Profile: Q002

E.G. Elev (ft)	7088.71	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7088.70	Reach Len. (ft)	26.60	28.80	30.40
Crit W.S. (ft)		Flow Area (sq ft)		1.55	
E.G. Slope (ft/ft)	0.017677	Area (sq ft)		1.55	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	19.96	Top Width (ft)		19.96	
Vel Total (ft/s)	0.90	Avg. Vel. (ft/s)		0.90	
Max Chl Dpth (ft)	0.16	Hydr. Depth (ft)		0.08	
Conv. Total (cfs)	10.5	Conv. (cfs)		10.5	
Length Wtd. (ft)	28.80	Wetted Per. (ft)		19.96	
Min Ch El (ft)	7088.54	Shear (lb/sq ft)		0.09	
Alpha	1.00	Stream Power (lb/ft s)		0.08	
Frctn Loss (ft)	0.67	Cum Volume (acre-ft)		0.16	
C & E Loss (ft)	0.00	Cum SA (acres)		1.68	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 4083.40* Profile: Q002

E.G. Elev (ft)	7088.03	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7088.01	Reach Len. (ft)	26.60	28.80	30.40
Crit W.S. (ft)		Flow Area (sq ft)		1.27	
E.G. Slope (ft/ft)	0.032364	Area (sq ft)		1.27	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	19.12	Top Width (ft)		19.12	
Vel Total (ft/s)	1.10	Avg. Vel. (ft/s)		1.10	
Max Chl Dpth (ft)	0.13	Hydr. Depth (ft)		0.07	
Conv. Total (cfs)	7.8	Conv. (cfs)		7.8	
Length Wtd. (ft)	28.80	Wetted Per. (ft)		19.12	
Min Ch El (ft)	7087.88	Shear (lb/sq ft)		0.13	
Alpha	1.00	Stream Power (lb/ft s)		0.15	
Frctn Loss (ft)	0.66	Cum Volume (acre-ft)		0.16	
C & E Loss (ft)	0.00	Cum SA (acres)		1.67	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 4054.60* Profile: Q002

E.G. Elev (ft)	7087.38	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7087.36	Reach Len. (ft)	26.60	28.80	30.40
Crit W.S. (ft)		Flow Area (sq ft)		1.57	
E.G. Slope (ft/ft)	0.017012	Area (sq ft)		1.57	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	19.93	Top Width (ft)		19.93	
Vel Total (ft/s)	0.89	Avg. Vel. (ft/s)		0.89	
Max Chl Dpth (ft)	0.14	Hydr. Depth (ft)		0.08	
Conv. Total (cfs)	10.7	Conv. (cfs)		10.7	
Length Wtd. (ft)	28.80	Wetted Per. (ft)		19.93	
Min Ch El (ft)	7087.22	Shear (lb/sq ft)		0.08	
Alpha	1.00	Stream Power (lb/ft s)		0.07	
Frctn Loss (ft)	0.68	Cum Volume (acre-ft)		0.16	
C & E Loss (ft)	0.00	Cum SA (acres)		1.65	

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 4025.80* Profile: Q002

E.G. Elev (ft)	7086.70	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7086.68	Reach Len. (ft)	26.60	28.80	30.40
Crit W.S. (ft)	7086.66	Flow Area (sq ft)		1.24	
E.G. Slope (ft/ft)	0.034520	Area (sq ft)		1.24	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	18.90	Top Width (ft)		18.90	
Vel Total (ft/s)	1.13	Avg. Vel. (ft/s)		1.13	
Max Chl Dpth (ft)	0.12	Hydr. Depth (ft)		0.07	
Conv. Total (cfs)	7.5	Conv. (cfs)		7.5	
Length Wtd. (ft)	28.80	Wetted Per. (ft)		18.91	
Min Ch El (ft)	7086.56	Shear (lb/sq ft)		0.14	
Alpha	1.00	Stream Power (lb/ft s)		0.16	
Frctn Loss (ft)	0.66	Cum Volume (acre-ft)		0.16	
C & E Loss (ft)	0.00	Cum SA (acres)		1.64	

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3997 Profile: Q002

E.G. Elev (ft)	7086.03	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7086.02	Reach Len. (ft)	20.83	19.50	18.33
Crit W.S. (ft)		Flow Area (sq ft)		1.70	
E.G. Slope (ft/ft)	0.016417	Area (sq ft)		1.70	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	23.47	Top Width (ft)		23.47	
Vel Total (ft/s)	0.83	Avg. Vel. (ft/s)		0.83	
Max Chl Dpth (ft)	0.12	Hydr. Depth (ft)		0.07	
Conv. Total (cfs)	10.9	Conv. (cfs)		10.9	
Length Wtd. (ft)	19.50	Wetted Per. (ft)		23.47	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3997 Profile: Q002 (Continued)

Min Ch El (ft)	7085.90	Shear (lb/sq ft)		0.07	
Alpha	1.00	Stream Power (lb/ft s)		0.06	
Frctn Loss (ft)	0.38	Cum Volume (acre-ft)		0.15	
C & E Loss (ft)	0.00	Cum SA (acres)		1.63	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3977.50* Profile: Q002

E.G. Elev (ft)	7085.65	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7085.63	Reach Len. (ft)	20.83	19.50	18.33
Crit W.S. (ft)		Flow Area (sq ft)		1.46	
E.G. Slope (ft/ft)	0.023779	Area (sq ft)		1.46	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	21.24	Top Width (ft)		21.24	
Vel Total (ft/s)	0.96	Avg. Vel. (ft/s)		0.96	
Max Chl Dpth (ft)	0.11	Hydr. Depth (ft)		0.07	
Conv. Total (cfs)	9.1	Conv. (cfs)		9.1	
Length Wtd. (ft)	19.50	Wetted Per. (ft)		21.24	
Min Ch El (ft)	7085.52	Shear (lb/sq ft)		0.10	
Alpha	1.00	Stream Power (lb/ft s)		0.10	
Frctn Loss (ft)	0.38	Cum Volume (acre-ft)		0.15	
C & E Loss (ft)	0.00	Cum SA (acres)		1.62	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3958.00* Profile: Q002

E.G. Elev (ft)	7085.27	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7085.26	Reach Len. (ft)	20.83	19.50	18.33
Crit W.S. (ft)		Flow Area (sq ft)		1.63	
E.G. Slope (ft/ft)	0.016187	Area (sq ft)		1.63	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	21.03	Top Width (ft)		21.03	
Vel Total (ft/s)	0.86	Avg. Vel. (ft/s)		0.86	
Max Chl Dpth (ft)	0.13	Hydr. Depth (ft)		0.08	
Conv. Total (cfs)	11.0	Conv. (cfs)		11.0	
Length Wtd. (ft)	19.50	Wetted Per. (ft)		21.03	
Min Ch El (ft)	7085.13	Shear (lb/sq ft)		0.08	
Alpha	1.00	Stream Power (lb/ft s)		0.07	
Frctn Loss (ft)	0.39	Cum Volume (acre-ft)		0.15	
C & E Loss (ft)	0.00	Cum SA (acres)		1.61	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3938.50* Profile: Q002

E.G. Elev (ft)	7084.88	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7084.87	Reach Len. (ft)	20.83	19.50	18.33
Crit W.S. (ft)		Flow Area (sq ft)		1.43	
E.G. Slope (ft/ft)	0.024707	Area (sq ft)		1.43	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	20.88	Top Width (ft)		20.88	
Vel Total (ft/s)	0.98	Avg. Vel. (ft/s)		0.98	
Max Chl Dpth (ft)	0.12	Hydr. Depth (ft)		0.07	
Conv. Total (cfs)	8.9	Conv. (cfs)		8.9	
Length Wtd. (ft)	19.50	Wetted Per. (ft)		20.88	
Min Ch El (ft)	7084.75	Shear (lb/sq ft)		0.11	
Alpha	1.00	Stream Power (lb/ft s)		0.10	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3938.50* Profile: Q002 (Continued)

Frctn Loss (ft)	0.37	Cum Volume (acre-ft)		0.15	
C & E Loss (ft)	0.00	Cum SA (acres)		1.60	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3919.00* Profile: Q002

E.G. Elev (ft)	7084.51	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7084.50	Reach Len. (ft)	20.83	19.50	18.33
Crit W.S. (ft)		Flow Area (sq ft)		1.70	
E.G. Slope (ft/ft)	0.014855	Area (sq ft)		1.70	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	21.89	Top Width (ft)		21.89	
Vel Total (ft/s)	0.82	Avg. Vel. (ft/s)		0.82	
Max Chl Dpth (ft)	0.13	Hydr. Depth (ft)		0.08	
Conv. Total (cfs)	11.5	Conv. (cfs)		11.5	
Length Wtd. (ft)	19.50	Wetted Per. (ft)		21.89	
Min Ch El (ft)	7084.37	Shear (lb/sq ft)		0.07	
Alpha	1.00	Stream Power (lb/ft s)		0.06	
Frctn Loss (ft)	0.39	Cum Volume (acre-ft)		0.15	
C & E Loss (ft)	0.00	Cum SA (acres)		1.59	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3899.50* Profile: Q002

E.G. Elev (ft)	7084.11	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7084.09	Reach Len. (ft)	20.83	19.50	18.33
Crit W.S. (ft)		Flow Area (sq ft)		1.39	
E.G. Slope (ft/ft)	0.029046	Area (sq ft)		1.39	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	21.85	Top Width (ft)		21.85	
Vel Total (ft/s)	1.01	Avg. Vel. (ft/s)		1.01	
Max Chl Dpth (ft)	0.11	Hydr. Depth (ft)		0.06	
Conv. Total (cfs)	8.2	Conv. (cfs)		8.2	
Length Wtd. (ft)	19.50	Wetted Per. (ft)		21.86	
Min Ch El (ft)	7083.98	Shear (lb/sq ft)		0.12	
Alpha	1.00	Stream Power (lb/ft s)		0.12	
Frctn Loss (ft)	0.38	Cum Volume (acre-ft)		0.15	
C & E Loss (ft)	0.00	Cum SA (acres)		1.58	

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3880 Profile: Q002

E.G. Elev (ft)	7083.74	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7083.73	Reach Len. (ft)	35.00	36.00	36.60
Crit W.S. (ft)		Flow Area (sq ft)		1.78	
E.G. Slope (ft/ft)	0.013694	Area (sq ft)		1.78	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	23.22	Top Width (ft)		23.22	
Vel Total (ft/s)	0.79	Avg. Vel. (ft/s)		0.79	
Max Chl Dpth (ft)	0.13	Hydr. Depth (ft)		0.08	
Conv. Total (cfs)	12.0	Conv. (cfs)		12.0	
Length Wtd. (ft)	36.00	Wetted Per. (ft)		23.23	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3880 Profile: Q002 (Continued)

Min Ch El (ft)	7083.60	Shear (lb/sq ft)		0.07	
Alpha	1.00	Stream Power (lb/ft s)		0.05	
Frctn Loss (ft)	0.54	Cum Volume (acre-ft)		0.15	
C & E Loss (ft)	0.00	Cum SA (acres)		1.57	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3844.00* Profile: Q002

E.G. Elev (ft)	7083.20	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7083.19	Reach Len. (ft)	35.00	36.00	36.60
Crit W.S. (ft)		Flow Area (sq ft)		1.64	
E.G. Slope (ft/ft)	0.016392	Area (sq ft)		1.64	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	21.62	Top Width (ft)		21.62	
Vel Total (ft/s)	0.85	Avg. Vel. (ft/s)		0.85	
Max Chl Dpth (ft)	0.13	Hydr. Depth (ft)		0.08	
Conv. Total (cfs)	10.9	Conv. (cfs)		10.9	
Length Wtd. (ft)	36.00	Wetted Per. (ft)		21.63	
Min Ch El (ft)	7083.06	Shear (lb/sq ft)		0.08	
Alpha	1.00	Stream Power (lb/ft s)		0.07	
Frctn Loss (ft)	0.54	Cum Volume (acre-ft)		0.15	
C & E Loss (ft)	0.00	Cum SA (acres)		1.55	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3808.00* Profile: Q002

E.G. Elev (ft)	7082.66	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7082.65	Reach Len. (ft)	35.00	36.00	36.60
Crit W.S. (ft)		Flow Area (sq ft)		1.71	
E.G. Slope (ft/ft)	0.013822	Area (sq ft)		1.71	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	21.14	Top Width (ft)		21.14	
Vel Total (ft/s)	0.82	Avg. Vel. (ft/s)		0.82	
Max Chl Dpth (ft)	0.13	Hydr. Depth (ft)		0.08	
Conv. Total (cfs)	11.9	Conv. (cfs)		11.9	
Length Wtd. (ft)	36.00	Wetted Per. (ft)		21.14	
Min Ch El (ft)	7082.52	Shear (lb/sq ft)		0.07	
Alpha	1.00	Stream Power (lb/ft s)		0.06	
Frctn Loss (ft)	0.54	Cum Volume (acre-ft)		0.15	
C & E Loss (ft)	0.00	Cum SA (acres)		1.53	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3772.00* Profile: Q002

E.G. Elev (ft)	7082.12	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7082.11	Reach Len. (ft)	35.00	36.00	36.60
Crit W.S. (ft)		Flow Area (sq ft)		1.61	
E.G. Slope (ft/ft)	0.016622	Area (sq ft)		1.61	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	20.95	Top Width (ft)		20.95	
Vel Total (ft/s)	0.87	Avg. Vel. (ft/s)		0.87	
Max Chl Dpth (ft)	0.13	Hydr. Depth (ft)		0.08	
Conv. Total (cfs)	10.9	Conv. (cfs)		10.9	
Length Wtd. (ft)	36.00	Wetted Per. (ft)		20.95	
Min Ch El (ft)	7081.98	Shear (lb/sq ft)		0.08	
Alpha	1.00	Stream Power (lb/ft s)		0.07	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3772.00* Profile: Q002 (Continued)

Frctn Loss (ft)	0.54	Cum Volume (acre-ft)		0.15	
C & E Loss (ft)	0.00	Cum SA (acres)		1.52	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3736.00* Profile: Q002

E.G. Elev (ft)	7081.58	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7081.57	Reach Len. (ft)	35.00	36.00	36.60
Crit W.S. (ft)	7081.54	Flow Area (sq ft)		1.74	
E.G. Slope (ft/ft)	0.013505	Area (sq ft)		1.74	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	21.51	Top Width (ft)		21.51	
Vel Total (ft/s)	0.81	Avg. Vel. (ft/s)		0.81	
Max Chl Dpth (ft)	0.13	Hydr. Depth (ft)		0.08	
Conv. Total (cfs)	12.0	Conv. (cfs)		12.0	
Length Wtd. (ft)	36.00	Wetted Per. (ft)		21.51	
Min Ch El (ft)	7081.44	Shear (lb/sq ft)		0.07	
Alpha	1.00	Stream Power (lb/ft s)		0.05	
Frctn Loss (ft)	0.54	Cum Volume (acre-ft)		0.14	
C & E Loss (ft)	0.00	Cum SA (acres)		1.50	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3700 Profile: Q002

E.G. Elev (ft)	7081.03	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7081.02	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		1.67	
E.G. Slope (ft/ft)	0.017018	Area (sq ft)		1.67	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	23.21	Top Width (ft)		23.21	
Vel Total (ft/s)	0.84	Avg. Vel. (ft/s)		0.84	
Max Chl Dpth (ft)	0.12	Hydr. Depth (ft)		0.07	
Conv. Total (cfs)	10.7	Conv. (cfs)		10.7	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		23.21	
Min Ch El (ft)	7080.90	Shear (lb/sq ft)		0.08	
Alpha	1.00	Stream Power (lb/ft s)		0.06	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		0.14	
C & E Loss (ft)	0.00	Cum SA (acres)		1.48	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3675.00* Profile: Q002

E.G. Elev (ft)	7080.61	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7080.60	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		1.65	
E.G. Slope (ft/ft)	0.017200	Area (sq ft)		1.65	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	22.81	Top Width (ft)		22.81	
Vel Total (ft/s)	0.85	Avg. Vel. (ft/s)		0.85	
Max Chl Dpth (ft)	0.12	Hydr. Depth (ft)		0.07	
Conv. Total (cfs)	10.7	Conv. (cfs)		10.7	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		22.81	
Min Ch El (ft)	7080.48	Shear (lb/sq ft)		0.08	
Alpha	1.00	Stream Power (lb/ft s)		0.07	
Frctn Loss (ft)	0.42	Cum Volume (acre-ft)		0.14	
C & E Loss (ft)	0.00	Cum SA (acres)		1.47	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3650.00* Profile: Q002

E.G. Elev (ft)	7080.19	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7080.18	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		1.68	
E.G. Slope (ft/ft)	0.016566	Area (sq ft)		1.68	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	23.24	Top Width (ft)		23.24	
Vel Total (ft/s)	0.83	Avg. Vel. (ft/s)		0.83	
Max Chl Dpth (ft)	0.13	Hydr. Depth (ft)		0.07	
Conv. Total (cfs)	10.9	Conv. (cfs)		10.9	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		23.24	
Min Ch El (ft)	7080.05	Shear (lb/sq ft)		0.07	
Alpha	1.00	Stream Power (lb/ft s)		0.06	
Frctn Loss (ft)	0.42	Cum Volume (acre-ft)		0.14	
C & E Loss (ft)	0.00	Cum SA (acres)		1.45	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3625.00* Profile: Q002

E.G. Elev (ft)	7079.77	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7079.76	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		1.70	
E.G. Slope (ft/ft)	0.016749	Area (sq ft)		1.70	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	23.95	Top Width (ft)		23.95	
Vel Total (ft/s)	0.82	Avg. Vel. (ft/s)		0.82	
Max Chl Dpth (ft)	0.14	Hydr. Depth (ft)		0.07	
Conv. Total (cfs)	10.8	Conv. (cfs)		10.8	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		23.95	
Min Ch El (ft)	7079.62	Shear (lb/sq ft)		0.07	
Alpha	1.00	Stream Power (lb/ft s)		0.06	
Frctn Loss (ft)	0.41	Cum Volume (acre-ft)		0.14	
C & E Loss (ft)	0.00	Cum SA (acres)		1.44	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3600.00* Profile: Q002

E.G. Elev (ft)	7079.35	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7079.34	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		1.74	
E.G. Slope (ft/ft)	0.016192	Area (sq ft)		1.74	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	24.69	Top Width (ft)		24.69	
Vel Total (ft/s)	0.81	Avg. Vel. (ft/s)		0.81	
Max Chl Dpth (ft)	0.14	Hydr. Depth (ft)		0.07	
Conv. Total (cfs)	11.0	Conv. (cfs)		11.0	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		24.69	
Min Ch El (ft)	7079.20	Shear (lb/sq ft)		0.07	
Alpha	1.00	Stream Power (lb/ft s)		0.06	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		0.14	
C & E Loss (ft)	0.00	Cum SA (acres)		1.43	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3575.00* Profile: Q002

E.G. Elev (ft)	7078.92	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7078.91	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		1.63	
E.G. Slope (ft/ft)	0.018718	Area (sq ft)		1.63	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	23.40	Top Width (ft)		23.40	
Vel Total (ft/s)	0.86	Avg. Vel. (ft/s)		0.86	
Max Chl Dpth (ft)	0.14	Hydr. Depth (ft)		0.07	
Conv. Total (cfs)	10.2	Conv. (cfs)		10.2	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		23.41	
Min Ch El (ft)	7078.77	Shear (lb/sq ft)		0.08	
Alpha	1.00	Stream Power (lb/ft s)		0.07	
Frctn Loss (ft)	0.42	Cum Volume (acre-ft)		0.14	
C & E Loss (ft)	0.00	Cum SA (acres)		1.41	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3550.00* Profile: Q002

E.G. Elev (ft)	7078.50	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7078.49	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		1.78	
E.G. Slope (ft/ft)	0.015027	Area (sq ft)		1.78	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	24.66	Top Width (ft)		24.66	
Vel Total (ft/s)	0.79	Avg. Vel. (ft/s)		0.79	
Max Chl Dpth (ft)	0.14	Hydr. Depth (ft)		0.07	
Conv. Total (cfs)	11.4	Conv. (cfs)		11.4	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		24.66	
Min Ch El (ft)	7078.35	Shear (lb/sq ft)		0.07	
Alpha	1.00	Stream Power (lb/ft s)		0.05	
Frctn Loss (ft)	0.44	Cum Volume (acre-ft)		0.14	
C & E Loss (ft)	0.00	Cum SA (acres)		1.40	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3525.00* Profile: Q002

E.G. Elev (ft)	7078.07	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7078.06	Reach Len. (ft)	25.12	25.00	24.50
Crit W.S. (ft)		Flow Area (sq ft)		1.56	
E.G. Slope (ft/ft)	0.020486	Area (sq ft)		1.56	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	22.63	Top Width (ft)		22.63	
Vel Total (ft/s)	0.90	Avg. Vel. (ft/s)		0.90	
Max Chl Dpth (ft)	0.14	Hydr. Depth (ft)		0.07	
Conv. Total (cfs)	9.8	Conv. (cfs)		9.8	
Length Wtd. (ft)	25.00	Wetted Per. (ft)		22.64	
Min Ch El (ft)	7077.92	Shear (lb/sq ft)		0.09	
Alpha	1.00	Stream Power (lb/ft s)		0.08	
Frctn Loss (ft)	0.41	Cum Volume (acre-ft)		0.14	
C & E Loss (ft)	0.00	Cum SA (acres)		1.38	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3500 Profile: Q002

E.G. Elev (ft)	7077.66	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7077.65	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		1.82	
E.G. Slope (ft/ft)	0.013444	Area (sq ft)		1.82	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	24.26	Top Width (ft)		24.26	
Vel Total (ft/s)	0.77	Avg. Vel. (ft/s)		0.77	
Max Chl Dpth (ft)	0.15	Hydr. Depth (ft)		0.08	
Conv. Total (cfs)	12.1	Conv. (cfs)		12.1	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		24.27	
Min Ch El (ft)	7077.50	Shear (lb/sq ft)		0.06	
Alpha	1.00	Stream Power (lb/ft s)		0.05	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		0.14	
C & E Loss (ft)	0.00	Cum SA (acres)		1.37	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3480.77* Profile: Q002

E.G. Elev (ft)	7077.40	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7077.39	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		1.78	
E.G. Slope (ft/ft)	0.014633	Area (sq ft)		1.78	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	24.30	Top Width (ft)		24.30	
Vel Total (ft/s)	0.79	Avg. Vel. (ft/s)		0.79	
Max Chl Dpth (ft)	0.15	Hydr. Depth (ft)		0.07	
Conv. Total (cfs)	11.6	Conv. (cfs)		11.6	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		24.30	
Min Ch El (ft)	7077.24	Shear (lb/sq ft)		0.07	
Alpha	1.00	Stream Power (lb/ft s)		0.05	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		0.13	
C & E Loss (ft)	0.00	Cum SA (acres)		1.36	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3461.54* Profile: Q002

E.G. Elev (ft)	7077.13	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7077.13	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		1.86	
E.G. Slope (ft/ft)	0.013265	Area (sq ft)		1.86	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	25.30	Top Width (ft)		25.30	
Vel Total (ft/s)	0.75	Avg. Vel. (ft/s)		0.75	
Max Chl Dpth (ft)	0.15	Hydr. Depth (ft)		0.07	
Conv. Total (cfs)	12.2	Conv. (cfs)		12.2	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		25.30	
Min Ch El (ft)	7076.98	Shear (lb/sq ft)		0.06	
Alpha	1.00	Stream Power (lb/ft s)		0.05	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		0.13	
C & E Loss (ft)	0.00	Cum SA (acres)		1.35	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3442.31* Profile: Q002

E.G. Elev (ft)	7076.87	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7076.86	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		1.83	
E.G. Slope (ft/ft)	0.014697	Area (sq ft)		1.83	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	26.03	Top Width (ft)		26.03	
Vel Total (ft/s)	0.77	Avg. Vel. (ft/s)		0.77	
Max Chl Dpth (ft)	0.14	Hydr. Depth (ft)		0.07	
Conv. Total (cfs)	11.5	Conv. (cfs)		11.5	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		26.03	
Min Ch El (ft)	7076.72	Shear (lb/sq ft)		0.06	
Alpha	1.00	Stream Power (lb/ft s)		0.05	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		0.13	
C & E Loss (ft)	0.00	Cum SA (acres)		1.34	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3423.08* Profile: Q002

E.G. Elev (ft)	7076.60	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7076.59	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		1.87	
E.G. Slope (ft/ft)	0.013675	Area (sq ft)		1.87	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	26.29	Top Width (ft)		26.29	
Vel Total (ft/s)	0.75	Avg. Vel. (ft/s)		0.75	
Max Chl Dpth (ft)	0.14	Hydr. Depth (ft)		0.07	
Conv. Total (cfs)	12.0	Conv. (cfs)		12.0	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		26.30	
Min Ch El (ft)	7076.45	Shear (lb/sq ft)		0.06	
Alpha	1.00	Stream Power (lb/ft s)		0.05	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		0.13	
C & E Loss (ft)	0.00	Cum SA (acres)		1.33	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3403.85* Profile: Q002

E.G. Elev (ft)	7076.33	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7076.33	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		1.84	
E.G. Slope (ft/ft)	0.014851	Area (sq ft)		1.84	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	26.64	Top Width (ft)		26.64	
Vel Total (ft/s)	0.76	Avg. Vel. (ft/s)		0.76	
Max Chl Dpth (ft)	0.14	Hydr. Depth (ft)		0.07	
Conv. Total (cfs)	11.5	Conv. (cfs)		11.5	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		26.64	
Min Ch El (ft)	7076.19	Shear (lb/sq ft)		0.06	
Alpha	1.00	Stream Power (lb/ft s)		0.05	
Frctn Loss (ft)	0.26	Cum Volume (acre-ft)		0.13	
C & E Loss (ft)	0.00	Cum SA (acres)		1.32	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3384.62* Profile: Q002

E.G. Elev (ft)	7076.08	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7076.07	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		1.98	
E.G. Slope (ft/ft)	0.012251	Area (sq ft)		1.98	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	27.88	Top Width (ft)		27.88	
Vel Total (ft/s)	0.71	Avg. Vel. (ft/s)		0.71	
Max Chl Dpth (ft)	0.14	Hydr. Depth (ft)		0.07	
Conv. Total (cfs)	12.6	Conv. (cfs)		12.6	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		27.88	
Min Ch El (ft)	7075.93	Shear (lb/sq ft)		0.05	
Alpha	1.00	Stream Power (lb/ft s)		0.04	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		0.13	
C & E Loss (ft)	0.00	Cum SA (acres)		1.30	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3365.39* Profile: Q002

E.G. Elev (ft)	7075.81	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7075.80	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		1.82	
E.G. Slope (ft/ft)	0.016425	Area (sq ft)		1.82	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	27.86	Top Width (ft)		27.86	
Vel Total (ft/s)	0.77	Avg. Vel. (ft/s)		0.77	
Max Chl Dpth (ft)	0.13	Hydr. Depth (ft)		0.07	
Conv. Total (cfs)	10.9	Conv. (cfs)		10.9	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		27.86	
Min Ch El (ft)	7075.67	Shear (lb/sq ft)		0.07	
Alpha	1.00	Stream Power (lb/ft s)		0.05	
Frctn Loss (ft)	0.26	Cum Volume (acre-ft)		0.13	
C & E Loss (ft)	0.00	Cum SA (acres)		1.29	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3346.15* Profile: Q002

E.G. Elev (ft)	7075.55	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7075.54	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		2.03	
E.G. Slope (ft/ft)	0.011702	Area (sq ft)		2.03	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	28.64	Top Width (ft)		28.64	
Vel Total (ft/s)	0.69	Avg. Vel. (ft/s)		0.69	
Max Chl Dpth (ft)	0.13	Hydr. Depth (ft)		0.07	
Conv. Total (cfs)	12.9	Conv. (cfs)		12.9	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		28.64	
Min Ch El (ft)	7075.41	Shear (lb/sq ft)		0.05	
Alpha	1.00	Stream Power (lb/ft s)		0.04	
Frctn Loss (ft)	0.28	Cum Volume (acre-ft)		0.13	
C & E Loss (ft)	0.00	Cum SA (acres)		1.28	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3326.92* Profile: Q002

E.G. Elev (ft)	7075.27	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7075.27	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		1.77	
E.G. Slope (ft/ft)	0.018721	Area (sq ft)		1.77	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	28.73	Top Width (ft)		28.73	
Vel Total (ft/s)	0.79	Avg. Vel. (ft/s)		0.79	
Max Chl Dpth (ft)	0.11	Hydr. Depth (ft)		0.06	
Conv. Total (cfs)	10.2	Conv. (cfs)		10.2	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		28.73	
Min Ch El (ft)	7075.15	Shear (lb/sq ft)		0.07	
Alpha	1.00	Stream Power (lb/ft s)		0.06	
Frctn Loss (ft)	0.25	Cum Volume (acre-ft)		0.13	
C & E Loss (ft)	0.00	Cum SA (acres)		1.27	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3307.69* Profile: Q002

E.G. Elev (ft)	7075.02	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7075.01	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		2.20	
E.G. Slope (ft/ft)	0.009270	Area (sq ft)		2.20	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	29.48	Top Width (ft)		29.48	
Vel Total (ft/s)	0.63	Avg. Vel. (ft/s)		0.63	
Max Chl Dpth (ft)	0.13	Hydr. Depth (ft)		0.07	
Conv. Total (cfs)	14.5	Conv. (cfs)		14.5	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		29.48	
Min Ch El (ft)	7074.88	Shear (lb/sq ft)		0.04	
Alpha	1.00	Stream Power (lb/ft s)		0.03	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		0.13	
C & E Loss (ft)	0.00	Cum SA (acres)		1.25	

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3288.46* Profile: Q002

E.G. Elev (ft)	7074.74	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7074.73	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)		Flow Area (sq ft)		1.63	
E.G. Slope (ft/ft)	0.024693	Area (sq ft)		1.63	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	28.91	Top Width (ft)		28.91	
Vel Total (ft/s)	0.86	Avg. Vel. (ft/s)		0.86	
Max Chl Dpth (ft)	0.11	Hydr. Depth (ft)		0.06	
Conv. Total (cfs)	8.9	Conv. (cfs)		8.9	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		28.91	
Min Ch El (ft)	7074.62	Shear (lb/sq ft)		0.09	
Alpha	1.00	Stream Power (lb/ft s)		0.07	
Frctn Loss (ft)	0.25	Cum Volume (acre-ft)		0.13	
C & E Loss (ft)	0.00	Cum SA (acres)		1.24	

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Errors Warnings and Notes (Continued)

1.4. This may indicate the need for additional cross sections.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3269.23* Profile: Q002

E.G. Elev (ft)	7074.49	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7074.49	Reach Len. (ft)	19.69	19.23	19.15
Crit W.S. (ft)	7074.45	Flow Area (sq ft)		2.37	
E.G. Slope (ft/ft)	0.008136	Area (sq ft)		2.37	
Q Total (cfs)	1.40	Flow (cfs)		1.40	
Top Width (ft)	32.17	Top Width (ft)		32.17	
Vel Total (ft/s)	0.59	Avg. Vel. (ft/s)		0.59	
Max Chl Dpth (ft)	0.13	Hydr. Depth (ft)		0.07	
Conv. Total (cfs)	15.5	Conv. (cfs)		15.5	
Length Wtd. (ft)	19.23	Wetted Per. (ft)		32.17	
Min Ch EI (ft)	7074.36	Shear (lb/sq ft)		0.04	
Alpha	1.00	Stream Power (lb/ft s)		0.02	
Frctn Loss (ft)	0.25	Cum Volume (acre-ft)		0.13	
C & E Loss (ft)	0.00	Cum SA (acres)		1.23	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3250 Profile: Q002

E.G. Elev (ft)	7074.23	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7074.22	Reach Len. (ft)	14.70	15.00	15.70
Crit W.S. (ft)		Flow Area (sq ft)		2.74	
E.G. Slope (ft/ft)	0.018687	Area (sq ft)		2.74	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	38.21	Top Width (ft)		38.21	
Vel Total (ft/s)	0.88	Avg. Vel. (ft/s)		0.88	
Max Chl Dpth (ft)	0.12	Hydr. Depth (ft)		0.07	
Conv. Total (cfs)	17.6	Conv. (cfs)		17.6	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		38.22	
Min Ch EI (ft)	7074.10	Shear (lb/sq ft)		0.08	
Alpha	1.00	Stream Power (lb/ft s)		0.07	
Frctn Loss (ft)	0.30	Cum Volume (acre-ft)		0.12	
C & E Loss (ft)	0.00	Cum SA (acres)		1.21	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3235.00* Profile: Q002

E.G. Elev (ft)	7073.94	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7073.93	Reach Len. (ft)	14.70	15.00	15.70
Crit W.S. (ft)		Flow Area (sq ft)		2.48	
E.G. Slope (ft/ft)	0.021382	Area (sq ft)		2.48	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	33.01	Top Width (ft)		33.01	
Vel Total (ft/s)	0.97	Avg. Vel. (ft/s)		0.97	
Max Chl Dpth (ft)	0.13	Hydr. Depth (ft)		0.08	
Conv. Total (cfs)	16.4	Conv. (cfs)		16.4	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		33.01	
Min Ch EI (ft)	7073.80	Shear (lb/sq ft)		0.10	
Alpha	1.00	Stream Power (lb/ft s)		0.10	
Frctn Loss (ft)	0.29	Cum Volume (acre-ft)		0.12	
C & E Loss (ft)	0.00	Cum SA (acres)		1.20	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3220.00* Profile: Q002

E.G. Elev (ft)	7073.65	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7073.63	Reach Len. (ft)	14.70	15.00	15.70
Crit W.S. (ft)		Flow Area (sq ft)		2.57	
E.G. Slope (ft/ft)	0.017590	Area (sq ft)		2.57	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	31.01	Top Width (ft)		31.01	
Vel Total (ft/s)	0.94	Avg. Vel. (ft/s)		0.94	
Max Chl Dpth (ft)	0.13	Hydr. Depth (ft)		0.08	
Conv. Total (cfs)	18.1	Conv. (cfs)		18.1	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		31.01	
Min Ch El (ft)	7073.50	Shear (lb/sq ft)		0.09	
Alpha	1.00	Stream Power (lb/ft s)		0.08	
Frctn Loss (ft)	0.31	Cum Volume (acre-ft)		0.12	
C & E Loss (ft)	0.00	Cum SA (acres)		1.19	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3205.00* Profile: Q002

E.G. Elev (ft)	7073.34	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7073.33	Reach Len. (ft)	14.70	15.00	15.70
Crit W.S. (ft)		Flow Area (sq ft)		2.27	
E.G. Slope (ft/ft)	0.024469	Area (sq ft)		2.27	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	29.20	Top Width (ft)		29.20	
Vel Total (ft/s)	1.06	Avg. Vel. (ft/s)		1.06	
Max Chl Dpth (ft)	0.13	Hydr. Depth (ft)		0.08	
Conv. Total (cfs)	15.3	Conv. (cfs)		15.3	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		29.20	
Min Ch El (ft)	7073.20	Shear (lb/sq ft)		0.12	
Alpha	1.00	Stream Power (lb/ft s)		0.13	
Frctn Loss (ft)	0.29	Cum Volume (acre-ft)		0.12	
C & E Loss (ft)	0.00	Cum SA (acres)		1.18	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3190.00* Profile: Q002

E.G. Elev (ft)	7073.05	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7073.04	Reach Len. (ft)	14.70	15.00	15.70
Crit W.S. (ft)		Flow Area (sq ft)		2.55	
E.G. Slope (ft/ft)	0.015955	Area (sq ft)		2.55	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	28.32	Top Width (ft)		28.32	
Vel Total (ft/s)	0.94	Avg. Vel. (ft/s)		0.94	
Max Chl Dpth (ft)	0.14	Hydr. Depth (ft)		0.09	
Conv. Total (cfs)	19.0	Conv. (cfs)		19.0	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		28.32	
Min Ch El (ft)	7072.90	Shear (lb/sq ft)		0.09	
Alpha	1.00	Stream Power (lb/ft s)		0.08	
Frctn Loss (ft)	0.31	Cum Volume (acre-ft)		0.12	
C & E Loss (ft)	0.00	Cum SA (acres)		1.17	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3175.00* Profile: Q002

E.G. Elev (ft)	7072.75	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7072.73	Reach Len. (ft)	14.70	15.00	15.70
Crit W.S. (ft)		Flow Area (sq ft)		2.11	
E.G. Slope (ft/ft)	0.027648	Area (sq ft)		2.11	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	26.70	Top Width (ft)		26.70	
Vel Total (ft/s)	1.14	Avg. Vel. (ft/s)		1.14	
Max Chl Dpth (ft)	0.13	Hydr. Depth (ft)		0.08	
Conv. Total (cfs)	14.4	Conv. (cfs)		14.4	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		26.70	
Min Ch El (ft)	7072.60	Shear (lb/sq ft)		0.14	
Alpha	1.00	Stream Power (lb/ft s)		0.16	
Frctn Loss (ft)	0.29	Cum Volume (acre-ft)		0.12	
C & E Loss (ft)	0.00	Cum SA (acres)		1.16	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3160.00* Profile: Q002

E.G. Elev (ft)	7072.46	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7072.45	Reach Len. (ft)	14.70	15.00	15.70
Crit W.S. (ft)		Flow Area (sq ft)		2.54	
E.G. Slope (ft/ft)	0.014349	Area (sq ft)		2.54	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	25.96	Top Width (ft)		25.96	
Vel Total (ft/s)	0.94	Avg. Vel. (ft/s)		0.94	
Max Chl Dpth (ft)	0.15	Hydr. Depth (ft)		0.10	
Conv. Total (cfs)	20.0	Conv. (cfs)		20.0	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		25.96	
Min Ch El (ft)	7072.30	Shear (lb/sq ft)		0.09	
Alpha	1.00	Stream Power (lb/ft s)		0.08	
Frctn Loss (ft)	0.30	Cum Volume (acre-ft)		0.12	
C & E Loss (ft)	0.00	Cum SA (acres)		1.15	

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3145.00* Profile: Q002

E.G. Elev (ft)	7072.15	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7072.13	Reach Len. (ft)	14.70	15.00	15.70
Crit W.S. (ft)		Flow Area (sq ft)		1.99	
E.G. Slope (ft/ft)	0.029793	Area (sq ft)		1.99	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	24.49	Top Width (ft)		24.49	
Vel Total (ft/s)	1.20	Avg. Vel. (ft/s)		1.20	
Max Chl Dpth (ft)	0.13	Hydr. Depth (ft)		0.08	
Conv. Total (cfs)	13.9	Conv. (cfs)		13.9	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		24.49	
Min Ch El (ft)	7072.00	Shear (lb/sq ft)		0.15	
Alpha	1.00	Stream Power (lb/ft s)		0.18	
Frctn Loss (ft)	0.29	Cum Volume (acre-ft)		0.12	
C & E Loss (ft)	0.00	Cum SA (acres)		1.14	

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Errors Warnings and Notes (Continued)

	1.4. This may indicate the need for additional cross sections.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3130.00* Profile: Q002

E.G. Elev (ft)	7071.87	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7071.86	Reach Len. (ft)	14.70	15.00	15.70
Crit W.S. (ft)		Flow Area (sq ft)		2.50	
E.G. Slope (ft/ft)	0.013443	Area (sq ft)		2.50	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	23.77	Top Width (ft)		23.77	
Vel Total (ft/s)	0.96	Avg. Vel. (ft/s)		0.96	
Max Chl Dpth (ft)	0.16	Hydr. Depth (ft)		0.11	
Conv. Total (cfs)	20.7	Conv. (cfs)		20.7	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		23.78	
Min Ch EI (ft)	7071.70	Shear (lb/sq ft)		0.09	
Alpha	1.00	Stream Power (lb/ft s)		0.08	
Frctn Loss (ft)	0.30	Cum Volume (acre-ft)		0.12	
C & E Loss (ft)	0.00	Cum SA (acres)		1.13	

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than
	1.4. This may indicate the need for additional cross sections.

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3115.00* Profile: Q002

E.G. Elev (ft)	7071.56	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7071.54	Reach Len. (ft)	14.70	15.00	15.70
Crit W.S. (ft)		Flow Area (sq ft)		1.87	
E.G. Slope (ft/ft)	0.032824	Area (sq ft)		1.87	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	22.38	Top Width (ft)		22.38	
Vel Total (ft/s)	1.29	Avg. Vel. (ft/s)		1.29	
Max Chl Dpth (ft)	0.13	Hydr. Depth (ft)		0.08	
Conv. Total (cfs)	13.2	Conv. (cfs)		13.2	
Length Wtd. (ft)	15.00	Wetted Per. (ft)		22.38	
Min Ch EI (ft)	7071.40	Shear (lb/sq ft)		0.17	
Alpha	1.00	Stream Power (lb/ft s)		0.22	
Frctn Loss (ft)	0.27	Cum Volume (acre-ft)		0.12	
C & E Loss (ft)	0.00	Cum SA (acres)		1.12	

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than
	1.4. This may indicate the need for additional cross sections.

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3100 Profile: Q002

E.G. Elev (ft)	7071.28	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7071.27	Reach Len. (ft)	18.67	14.83	9.50
Crit W.S. (ft)		Flow Area (sq ft)		2.53	
E.G. Slope (ft/ft)	0.011444	Area (sq ft)		2.53	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	21.73	Top Width (ft)		21.73	
Vel Total (ft/s)	0.95	Avg. Vel. (ft/s)		0.95	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3100 Profile: Q002 (Continued)

Max Chl Dpth (ft)	0.17	Hydr. Depth (ft)		0.12	
Conv. Total (cfs)	22.4	Conv. (cfs)		22.4	
Length Wtd. (ft)	14.83	Wetted Per. (ft)		21.74	
Min Ch El (ft)	7071.10	Shear (lb/sq ft)		0.08	
Alpha	1.00	Stream Power (lb/ft s)		0.08	
Frctn Loss (ft)	0.18	Cum Volume (acre-ft)		0.12	
C & E Loss (ft)	0.00	Cum SA (acres)		1.12	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3085.17* Profile: Q002

E.G. Elev (ft)	7071.11	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7071.09	Reach Len. (ft)	18.67	14.83	9.50
Crit W.S. (ft)		Flow Area (sq ft)		2.45	
E.G. Slope (ft/ft)	0.012524	Area (sq ft)		2.45	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	21.50	Top Width (ft)		21.50	
Vel Total (ft/s)	0.98	Avg. Vel. (ft/s)		0.98	
Max Chl Dpth (ft)	0.17	Hydr. Depth (ft)		0.11	
Conv. Total (cfs)	21.4	Conv. (cfs)		21.4	
Length Wtd. (ft)	14.83	Wetted Per. (ft)		21.51	
Min Ch El (ft)	7070.92	Shear (lb/sq ft)		0.09	
Alpha	1.00	Stream Power (lb/ft s)		0.09	
Frctn Loss (ft)	0.18	Cum Volume (acre-ft)		0.12	
C & E Loss (ft)	0.00	Cum SA (acres)		1.11	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3070.33* Profile: Q002

E.G. Elev (ft)	7070.92	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7070.90	Reach Len. (ft)	18.67	14.83	9.50
Crit W.S. (ft)		Flow Area (sq ft)		2.43	
E.G. Slope (ft/ft)	0.012309	Area (sq ft)		2.43	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	20.76	Top Width (ft)		20.76	
Vel Total (ft/s)	0.99	Avg. Vel. (ft/s)		0.99	
Max Chl Dpth (ft)	0.17	Hydr. Depth (ft)		0.12	
Conv. Total (cfs)	21.6	Conv. (cfs)		21.6	
Length Wtd. (ft)	14.83	Wetted Per. (ft)		20.77	
Min Ch El (ft)	7070.73	Shear (lb/sq ft)		0.09	
Alpha	1.00	Stream Power (lb/ft s)		0.09	
Frctn Loss (ft)	0.19	Cum Volume (acre-ft)		0.11	
C & E Loss (ft)	0.00	Cum SA (acres)		1.10	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3055.50* Profile: Q002

E.G. Elev (ft)	7070.73	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7070.72	Reach Len. (ft)	18.67	14.83	9.50
Crit W.S. (ft)		Flow Area (sq ft)		2.42	
E.G. Slope (ft/ft)	0.012774	Area (sq ft)		2.42	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	21.07	Top Width (ft)		21.07	
Vel Total (ft/s)	0.99	Avg. Vel. (ft/s)		0.99	
Max Chl Dpth (ft)	0.17	Hydr. Depth (ft)		0.11	
Conv. Total (cfs)	21.2	Conv. (cfs)		21.2	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3055.50* Profile: Q002 (Continued)

Length Wtd. (ft)	14.83	Wetted Per. (ft)		21.08	
Min Ch El (ft)	7070.55	Shear (lb/sq ft)		0.09	
Alpha	1.00	Stream Power (lb/ft s)		0.09	
Frctn Loss (ft)	0.19	Cum Volume (acre-ft)		0.11	
C & E Loss (ft)	0.00	Cum SA (acres)		1.09	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3040.67* Profile: Q002

E.G. Elev (ft)	7070.55	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7070.53	Reach Len. (ft)	18.67	14.83	9.50
Crit W.S. (ft)		Flow Area (sq ft)		2.44	
E.G. Slope (ft/ft)	0.012888	Area (sq ft)		2.44	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	21.64	Top Width (ft)		21.64	
Vel Total (ft/s)	0.98	Avg. Vel. (ft/s)		0.98	
Max Chl Dpth (ft)	0.16	Hydr. Depth (ft)		0.11	
Conv. Total (cfs)	21.1	Conv. (cfs)		21.1	
Length Wtd. (ft)	14.83	Wetted Per. (ft)		21.65	
Min Ch El (ft)	7070.37	Shear (lb/sq ft)		0.09	
Alpha	1.00	Stream Power (lb/ft s)		0.09	
Frctn Loss (ft)	0.19	Cum Volume (acre-ft)		0.11	
C & E Loss (ft)	0.00	Cum SA (acres)		1.09	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3025.83* Profile: Q002

E.G. Elev (ft)	7070.36	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7070.34	Reach Len. (ft)	18.67	14.83	9.50
Crit W.S. (ft)		Flow Area (sq ft)		2.45	
E.G. Slope (ft/ft)	0.013256	Area (sq ft)		2.45	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	22.31	Top Width (ft)		22.31	
Vel Total (ft/s)	0.98	Avg. Vel. (ft/s)		0.98	
Max Chl Dpth (ft)	0.16	Hydr. Depth (ft)		0.11	
Conv. Total (cfs)	20.8	Conv. (cfs)		20.8	
Length Wtd. (ft)	14.83	Wetted Per. (ft)		22.32	
Min Ch El (ft)	7070.18	Shear (lb/sq ft)		0.09	
Alpha	1.00	Stream Power (lb/ft s)		0.09	
Frctn Loss (ft)	0.18	Cum Volume (acre-ft)		0.11	
C & E Loss (ft)	0.00	Cum SA (acres)		1.08	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3011 Profile: Q002

E.G. Elev (ft)	7070.18	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7070.17	Reach Len. (ft)	26.50	31.00	33.50
Crit W.S. (ft)		Flow Area (sq ft)		2.60	
E.G. Slope (ft/ft)	0.011406	Area (sq ft)		2.60	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	23.18	Top Width (ft)		23.18	
Vel Total (ft/s)	0.92	Avg. Vel. (ft/s)		0.92	
Max Chl Dpth (ft)	0.17	Hydr. Depth (ft)		0.11	
Conv. Total (cfs)	22.5	Conv. (cfs)		22.5	
Length Wtd. (ft)	31.00	Wetted Per. (ft)		23.19	
Min Ch El (ft)	7070.00	Shear (lb/sq ft)		0.08	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 3011 Profile: Q002 (Continued)

Alpha	1.00	Stream Power (lb/ft s)		0.07	
Frctn Loss (ft)	0.46	Cum Volume (acre-ft)		0.11	
C & E Loss (ft)	0.00	Cum SA (acres)		1.07	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2980.00* Profile: Q002

E.G. Elev (ft)	7069.71	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7069.69	Reach Len. (ft)	26.50	31.00	33.50
Crit W.S. (ft)		Flow Area (sq ft)		2.19	
E.G. Slope (ft/ft)	0.020184	Area (sq ft)		2.19	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	23.05	Top Width (ft)		23.05	
Vel Total (ft/s)	1.10	Avg. Vel. (ft/s)		1.10	
Max Chl Dpth (ft)	0.14	Hydr. Depth (ft)		0.09	
Conv. Total (cfs)	16.9	Conv. (cfs)		16.9	
Length Wtd. (ft)	31.00	Wetted Per. (ft)		23.06	
Min Ch El (ft)	7069.55	Shear (lb/sq ft)		0.12	
Alpha	1.00	Stream Power (lb/ft s)		0.13	
Frctn Loss (ft)	0.45	Cum Volume (acre-ft)		0.11	
C & E Loss (ft)	0.00	Cum SA (acres)		1.06	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2949.00* Profile: Q002

E.G. Elev (ft)	7069.27	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7069.26	Reach Len. (ft)	26.50	31.00	33.50
Crit W.S. (ft)		Flow Area (sq ft)		2.69	
E.G. Slope (ft/ft)	0.010745	Area (sq ft)		2.69	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	24.14	Top Width (ft)		24.14	
Vel Total (ft/s)	0.89	Avg. Vel. (ft/s)		0.89	
Max Chl Dpth (ft)	0.16	Hydr. Depth (ft)		0.11	
Conv. Total (cfs)	23.2	Conv. (cfs)		23.2	
Length Wtd. (ft)	31.00	Wetted Per. (ft)		24.15	
Min Ch El (ft)	7069.10	Shear (lb/sq ft)		0.07	
Alpha	1.00	Stream Power (lb/ft s)		0.07	
Frctn Loss (ft)	0.47	Cum Volume (acre-ft)		0.11	
C & E Loss (ft)	0.00	Cum SA (acres)		1.04	

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2918.00* Profile: Q002

E.G. Elev (ft)	7068.80	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7068.78	Reach Len. (ft)	26.50	31.00	33.50
Crit W.S. (ft)		Flow Area (sq ft)		2.20	
E.G. Slope (ft/ft)	0.022508	Area (sq ft)		2.20	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	25.45	Top Width (ft)		25.45	
Vel Total (ft/s)	1.09	Avg. Vel. (ft/s)		1.09	
Max Chl Dpth (ft)	0.13	Hydr. Depth (ft)		0.09	
Conv. Total (cfs)	16.0	Conv. (cfs)		16.0	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2918.00* Profile: Q002 (Continued)

Length Wtd. (ft)	31.00	Wetted Per. (ft)		25.45	
Min Ch El (ft)	7068.65	Shear (lb/sq ft)		0.12	
Alpha	1.00	Stream Power (lb/ft s)		0.13	
Frctn Loss (ft)	0.47	Cum Volume (acre-ft)		0.11	
C & E Loss (ft)	0.00	Cum SA (acres)		1.02	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2887 Profile: Q002

E.G. Elev (ft)	7068.33	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7068.33	Reach Len. (ft)	31.40	29.40	30.40
Crit W.S. (ft)		Flow Area (sq ft)		3.43	
E.G. Slope (ft/ft)	0.011041	Area (sq ft)		3.43	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	45.20	Top Width (ft)		45.20	
Vel Total (ft/s)	0.70	Avg. Vel. (ft/s)		0.70	
Max Chl Dpth (ft)	0.13	Hydr. Depth (ft)		0.08	
Conv. Total (cfs)	22.8	Conv. (cfs)		22.8	
Length Wtd. (ft)	29.40	Wetted Per. (ft)		45.21	
Min Ch El (ft)	7068.20	Shear (lb/sq ft)		0.05	
Alpha	1.00	Stream Power (lb/ft s)		0.04	
Frctn Loss (ft)	0.41	Cum Volume (acre-ft)		0.10	
C & E Loss (ft)	0.00	Cum SA (acres)		1.00	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2857.60* Profile: Q002

E.G. Elev (ft)	7067.92	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7067.90	Reach Len. (ft)	31.40	29.40	30.40
Crit W.S. (ft)		Flow Area (sq ft)		2.46	
E.G. Slope (ft/ft)	0.018194	Area (sq ft)		2.46	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	28.57	Top Width (ft)		28.57	
Vel Total (ft/s)	0.98	Avg. Vel. (ft/s)		0.98	
Max Chl Dpth (ft)	0.14	Hydr. Depth (ft)		0.09	
Conv. Total (cfs)	17.8	Conv. (cfs)		17.8	
Length Wtd. (ft)	29.40	Wetted Per. (ft)		28.57	
Min Ch El (ft)	7067.76	Shear (lb/sq ft)		0.10	
Alpha	1.00	Stream Power (lb/ft s)		0.10	
Frctn Loss (ft)	0.44	Cum Volume (acre-ft)		0.10	
C & E Loss (ft)	0.00	Cum SA (acres)		0.97	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2828.20* Profile: Q002

E.G. Elev (ft)	7067.49	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7067.47	Reach Len. (ft)	31.40	29.40	30.40
Crit W.S. (ft)		Flow Area (sq ft)		2.69	
E.G. Slope (ft/ft)	0.012280	Area (sq ft)		2.69	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	26.60	Top Width (ft)		26.60	
Vel Total (ft/s)	0.89	Avg. Vel. (ft/s)		0.89	
Max Chl Dpth (ft)	0.15	Hydr. Depth (ft)		0.10	
Conv. Total (cfs)	21.7	Conv. (cfs)		21.7	
Length Wtd. (ft)	29.40	Wetted Per. (ft)		26.60	
Min Ch El (ft)	7067.32	Shear (lb/sq ft)		0.08	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2828.20* Profile: Q002 (Continued)

Alpha	1.00	Stream Power (lb/ft s)		0.07	
Frctn Loss (ft)	0.45	Cum Volume (acre-ft)		0.10	
C & E Loss (ft)	0.00	Cum SA (acres)		0.95	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2798.80* Profile: Q002

E.G. Elev (ft)	7067.03	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7067.01	Reach Len. (ft)	31.40	29.40	30.40
Crit W.S. (ft)		Flow Area (sq ft)		2.34	
E.G. Slope (ft/ft)	0.019550	Area (sq ft)		2.34	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	26.68	Top Width (ft)		26.68	
Vel Total (ft/s)	1.03	Avg. Vel. (ft/s)		1.03	
Max Chl Dpth (ft)	0.13	Hydr. Depth (ft)		0.09	
Conv. Total (cfs)	17.2	Conv. (cfs)		17.2	
Length Wtd. (ft)	29.40	Wetted Per. (ft)		26.68	
Min Ch El (ft)	7066.88	Shear (lb/sq ft)		0.11	
Alpha	1.00	Stream Power (lb/ft s)		0.11	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		0.10	
C & E Loss (ft)	0.00	Cum SA (acres)		0.93	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2769.40* Profile: Q002

E.G. Elev (ft)	7066.60	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7066.58	Reach Len. (ft)	31.40	29.40	30.40
Crit W.S. (ft)	7066.55	Flow Area (sq ft)		2.88	
E.G. Slope (ft/ft)	0.011439	Area (sq ft)		2.88	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	30.05	Top Width (ft)		30.05	
Vel Total (ft/s)	0.83	Avg. Vel. (ft/s)		0.83	
Max Chl Dpth (ft)	0.14	Hydr. Depth (ft)		0.10	
Conv. Total (cfs)	22.4	Conv. (cfs)		22.4	
Length Wtd. (ft)	29.40	Wetted Per. (ft)		30.05	
Min Ch El (ft)	7066.44	Shear (lb/sq ft)		0.07	
Alpha	1.00	Stream Power (lb/ft s)		0.06	
Frctn Loss (ft)	0.45	Cum Volume (acre-ft)		0.10	
C & E Loss (ft)	0.00	Cum SA (acres)		0.92	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2740 Profile: Q002

E.G. Elev (ft)	7066.15	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7066.13	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		2.44	
E.G. Slope (ft/ft)	0.021477	Area (sq ft)		2.44	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	31.82	Top Width (ft)		31.82	
Vel Total (ft/s)	0.98	Avg. Vel. (ft/s)		0.98	
Max Chl Dpth (ft)	0.13	Hydr. Depth (ft)		0.08	
Conv. Total (cfs)	16.4	Conv. (cfs)		16.4	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		31.83	
Min Ch El (ft)	7066.00	Shear (lb/sq ft)		0.10	
Alpha	1.00	Stream Power (lb/ft s)		0.10	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		0.09	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2740 Profile: Q002 (Continued)

C & E Loss (ft)	0.00	Cum SA (acres)		0.89	
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2720.00* Profile: Q002

E.G. Elev (ft)	7065.72	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7065.70	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		2.38	
E.G. Slope (ft/ft)	0.021725	Area (sq ft)		2.38	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	30.19	Top Width (ft)		30.19	
Vel Total (ft/s)	1.01	Avg. Vel. (ft/s)		1.01	
Max Chl Dpth (ft)	0.13	Hydr. Depth (ft)		0.08	
Conv. Total (cfs)	16.3	Conv. (cfs)		16.3	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		30.19	
Min Ch El (ft)	7065.57	Shear (lb/sq ft)		0.11	
Alpha	1.00	Stream Power (lb/ft s)		0.11	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		0.09	
C & E Loss (ft)	0.00	Cum SA (acres)		0.88	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2700.00* Profile: Q002

E.G. Elev (ft)	7065.29	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7065.27	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		2.31	
E.G. Slope (ft/ft)	0.021440	Area (sq ft)		2.31	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	27.74	Top Width (ft)		27.74	
Vel Total (ft/s)	1.04	Avg. Vel. (ft/s)		1.04	
Max Chl Dpth (ft)	0.14	Hydr. Depth (ft)		0.08	
Conv. Total (cfs)	16.4	Conv. (cfs)		16.4	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		27.74	
Min Ch El (ft)	7065.13	Shear (lb/sq ft)		0.11	
Alpha	1.00	Stream Power (lb/ft s)		0.12	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		0.09	
C & E Loss (ft)	0.00	Cum SA (acres)		0.87	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2680.00* Profile: Q002

E.G. Elev (ft)	7064.86	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7064.85	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		2.24	
E.G. Slope (ft/ft)	0.021748	Area (sq ft)		2.24	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	26.01	Top Width (ft)		26.01	
Vel Total (ft/s)	1.07	Avg. Vel. (ft/s)		1.07	
Max Chl Dpth (ft)	0.14	Hydr. Depth (ft)		0.09	
Conv. Total (cfs)	16.3	Conv. (cfs)		16.3	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		26.01	
Min Ch El (ft)	7064.70	Shear (lb/sq ft)		0.12	
Alpha	1.00	Stream Power (lb/ft s)		0.13	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		0.09	
C & E Loss (ft)	0.00	Cum SA (acres)		0.85	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2660.00* Profile: Q002

E.G. Elev (ft)	7064.44	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7064.42	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		2.23	
E.G. Slope (ft/ft)	0.020907	Area (sq ft)		2.23	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	24.75	Top Width (ft)		24.75	
Vel Total (ft/s)	1.08	Avg. Vel. (ft/s)		1.08	
Max Chl Dpth (ft)	0.15	Hydr. Depth (ft)		0.09	
Conv. Total (cfs)	16.6	Conv. (cfs)		16.6	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		24.75	
Min Ch El (ft)	7064.27	Shear (lb/sq ft)		0.12	
Alpha	1.00	Stream Power (lb/ft s)		0.13	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		0.09	
C & E Loss (ft)	0.00	Cum SA (acres)		0.84	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2640.00* Profile: Q002

E.G. Elev (ft)	7064.01	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7063.99	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		2.14	
E.G. Slope (ft/ft)	0.021629	Area (sq ft)		2.14	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	22.90	Top Width (ft)		22.90	
Vel Total (ft/s)	1.12	Avg. Vel. (ft/s)		1.12	
Max Chl Dpth (ft)	0.16	Hydr. Depth (ft)		0.09	
Conv. Total (cfs)	16.3	Conv. (cfs)		16.3	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		22.90	
Min Ch El (ft)	7063.83	Shear (lb/sq ft)		0.13	
Alpha	1.00	Stream Power (lb/ft s)		0.14	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		0.09	
C & E Loss (ft)	0.00	Cum SA (acres)		0.83	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2620.00* Profile: Q002

E.G. Elev (ft)	7063.59	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7063.57	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		2.10	
E.G. Slope (ft/ft)	0.021018	Area (sq ft)		2.10	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	21.56	Top Width (ft)		21.56	
Vel Total (ft/s)	1.14	Avg. Vel. (ft/s)		1.14	
Max Chl Dpth (ft)	0.17	Hydr. Depth (ft)		0.10	
Conv. Total (cfs)	16.6	Conv. (cfs)		16.6	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		21.56	
Min Ch El (ft)	7063.40	Shear (lb/sq ft)		0.13	
Alpha	1.00	Stream Power (lb/ft s)		0.15	
Frctn Loss (ft)	0.42	Cum Volume (acre-ft)		0.09	
C & E Loss (ft)	0.00	Cum SA (acres)		0.82	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2600.00* Profile: Q002

E.G. Elev (ft)	7063.16	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7063.14	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		2.06	
E.G. Slope (ft/ft)	0.020625	Area (sq ft)		2.06	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	20.29	Top Width (ft)		20.29	
Vel Total (ft/s)	1.16	Avg. Vel. (ft/s)		1.16	
Max Chl Dpth (ft)	0.17	Hydr. Depth (ft)		0.10	
Conv. Total (cfs)	16.7	Conv. (cfs)		16.7	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		20.29	
Min Ch El (ft)	7062.97	Shear (lb/sq ft)		0.13	
Alpha	1.00	Stream Power (lb/ft s)		0.15	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		0.09	
C & E Loss (ft)	0.00	Cum SA (acres)		0.81	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2580.00* Profile: Q002

E.G. Elev (ft)	7062.73	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7062.71	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		1.95	
E.G. Slope (ft/ft)	0.022092	Area (sq ft)		1.95	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	18.61	Top Width (ft)		18.61	
Vel Total (ft/s)	1.23	Avg. Vel. (ft/s)		1.23	
Max Chl Dpth (ft)	0.18	Hydr. Depth (ft)		0.10	
Conv. Total (cfs)	16.1	Conv. (cfs)		16.1	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		18.61	
Min Ch El (ft)	7062.53	Shear (lb/sq ft)		0.14	
Alpha	1.00	Stream Power (lb/ft s)		0.18	
Frctn Loss (ft)	0.42	Cum Volume (acre-ft)		0.09	
C & E Loss (ft)	0.00	Cum SA (acres)		0.80	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2560.00* Profile: Q002

E.G. Elev (ft)	7062.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7062.29	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		1.99	
E.G. Slope (ft/ft)	0.019714	Area (sq ft)		1.99	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	17.93	Top Width (ft)		17.93	
Vel Total (ft/s)	1.20	Avg. Vel. (ft/s)		1.20	
Max Chl Dpth (ft)	0.19	Hydr. Depth (ft)		0.11	
Conv. Total (cfs)	17.1	Conv. (cfs)		17.1	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		17.94	
Min Ch El (ft)	7062.10	Shear (lb/sq ft)		0.14	
Alpha	1.00	Stream Power (lb/ft s)		0.16	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		0.09	
C & E Loss (ft)	0.00	Cum SA (acres)		0.79	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2540.00* Profile: Q002

E.G. Elev (ft)	7061.89	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7061.87	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		1.84	
E.G. Slope (ft/ft)	0.023038	Area (sq ft)		1.84	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	16.64	Top Width (ft)		16.64	
Vel Total (ft/s)	1.30	Avg. Vel. (ft/s)		1.30	
Max Chl Dpth (ft)	0.20	Hydr. Depth (ft)		0.11	
Conv. Total (cfs)	15.8	Conv. (cfs)		15.8	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		16.65	
Min Ch El (ft)	7061.67	Shear (lb/sq ft)		0.16	
Alpha	1.00	Stream Power (lb/ft s)		0.21	
Frctn Loss (ft)	0.42	Cum Volume (acre-ft)		0.09	
C & E Loss (ft)	0.00	Cum SA (acres)		0.79	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2520.00* Profile: Q002

E.G. Elev (ft)	7061.48	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7061.45	Reach Len. (ft)	19.33	20.00	19.92
Crit W.S. (ft)		Flow Area (sq ft)		1.96	
E.G. Slope (ft/ft)	0.019115	Area (sq ft)		1.96	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	16.86	Top Width (ft)		16.86	
Vel Total (ft/s)	1.22	Avg. Vel. (ft/s)		1.22	
Max Chl Dpth (ft)	0.22	Hydr. Depth (ft)		0.12	
Conv. Total (cfs)	17.4	Conv. (cfs)		17.4	
Length Wtd. (ft)	20.00	Wetted Per. (ft)		16.87	
Min Ch El (ft)	7061.23	Shear (lb/sq ft)		0.14	
Alpha	1.00	Stream Power (lb/ft s)		0.17	
Frctn Loss (ft)	0.43	Cum Volume (acre-ft)		0.08	
C & E Loss (ft)	0.00	Cum SA (acres)		0.78	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2500 Profile: Q002

E.G. Elev (ft)	7061.06	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7061.03	Reach Len. (ft)	28.66	29.02	29.34
Crit W.S. (ft)		Flow Area (sq ft)		1.76	
E.G. Slope (ft/ft)	0.024310	Area (sq ft)		1.76	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	15.33	Top Width (ft)		15.33	
Vel Total (ft/s)	1.37	Avg. Vel. (ft/s)		1.37	
Max Chl Dpth (ft)	0.23	Hydr. Depth (ft)		0.11	
Conv. Total (cfs)	15.4	Conv. (cfs)		15.4	
Length Wtd. (ft)	29.02	Wetted Per. (ft)		15.34	
Min Ch El (ft)	7060.80	Shear (lb/sq ft)		0.17	
Alpha	1.00	Stream Power (lb/ft s)		0.24	
Frctn Loss (ft)	0.64	Cum Volume (acre-ft)		0.08	
C & E Loss (ft)	0.00	Cum SA (acres)		0.77	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2471.00* Profile: Q002

E.G. Elev (ft)	7060.41	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7060.39	Reach Len. (ft)	28.66	29.02	29.34
Crit W.S. (ft)		Flow Area (sq ft)		1.89	
E.G. Slope (ft/ft)	0.019851	Area (sq ft)		1.89	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	15.75	Top Width (ft)		15.75	
Vel Total (ft/s)	1.27	Avg. Vel. (ft/s)		1.27	
Max Chl Dpth (ft)	0.24	Hydr. Depth (ft)		0.12	
Conv. Total (cfs)	17.0	Conv. (cfs)		17.0	
Length Wtd. (ft)	29.02	Wetted Per. (ft)		15.76	
Min Ch El (ft)	7060.15	Shear (lb/sq ft)		0.15	
Alpha	1.00	Stream Power (lb/ft s)		0.19	
Frctn Loss (ft)	0.66	Cum Volume (acre-ft)		0.08	
C & E Loss (ft)	0.00	Cum SA (acres)		0.76	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2442.00* Profile: Q002

E.G. Elev (ft)	7059.75	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7059.72	Reach Len. (ft)	28.66	29.02	29.34
Crit W.S. (ft)		Flow Area (sq ft)		1.69	
E.G. Slope (ft/ft)	0.026689	Area (sq ft)		1.69	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	14.97	Top Width (ft)		14.97	
Vel Total (ft/s)	1.42	Avg. Vel. (ft/s)		1.42	
Max Chl Dpth (ft)	0.22	Hydr. Depth (ft)		0.11	
Conv. Total (cfs)	14.7	Conv. (cfs)		14.7	
Length Wtd. (ft)	29.02	Wetted Per. (ft)		14.98	
Min Ch El (ft)	7059.50	Shear (lb/sq ft)		0.19	
Alpha	1.00	Stream Power (lb/ft s)		0.27	
Frctn Loss (ft)	0.64	Cum Volume (acre-ft)		0.08	
C & E Loss (ft)	0.00	Cum SA (acres)		0.75	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2413.00* Profile: Q002

E.G. Elev (ft)	7059.11	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7059.08	Reach Len. (ft)	28.66	29.02	29.34
Crit W.S. (ft)		Flow Area (sq ft)		1.87	
E.G. Slope (ft/ft)	0.018739	Area (sq ft)		1.87	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	14.70	Top Width (ft)		14.70	
Vel Total (ft/s)	1.28	Avg. Vel. (ft/s)		1.28	
Max Chl Dpth (ft)	0.23	Hydr. Depth (ft)		0.13	
Conv. Total (cfs)	17.5	Conv. (cfs)		17.5	
Length Wtd. (ft)	29.02	Wetted Per. (ft)		14.71	
Min Ch El (ft)	7058.85	Shear (lb/sq ft)		0.15	
Alpha	1.00	Stream Power (lb/ft s)		0.19	
Frctn Loss (ft)	0.66	Cum Volume (acre-ft)		0.08	
C & E Loss (ft)	0.00	Cum SA (acres)		0.74	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2384.00* Profile: Q002

E.G. Elev (ft)	7058.44	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.040	
W.S. Elev (ft)	7058.41	Reach Len. (ft)	28.66	29.02	29.34
Crit W.S. (ft)		Flow Area (sq ft)		1.57	
E.G. Slope (ft/ft)	0.027871	Area (sq ft)		1.57	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	12.91	Top Width (ft)		12.91	
Vel Total (ft/s)	1.52	Avg. Vel. (ft/s)		1.52	
Max Chl Dpth (ft)	0.21	Hydr. Depth (ft)		0.12	
Conv. Total (cfs)	14.4	Conv. (cfs)		14.4	
Length Wtd. (ft)	29.02	Wetted Per. (ft)		12.92	
Min Ch El (ft)	7058.20	Shear (lb/sq ft)		0.21	
Alpha	1.00	Stream Power (lb/ft s)		0.32	
Frctn Loss (ft)	0.64	Cum Volume (acre-ft)		0.08	
C & E Loss (ft)	0.00	Cum SA (acres)		0.73	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2355.00* Profile: Q002

E.G. Elev (ft)	7057.80	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7057.77	Reach Len. (ft)	28.66	29.02	29.34
Crit W.S. (ft)		Flow Area (sq ft)		1.73	
E.G. Slope (ft/ft)	0.017896	Area (sq ft)		1.73	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	11.76	Top Width (ft)		11.76	
Vel Total (ft/s)	1.38	Avg. Vel. (ft/s)		1.38	
Max Chl Dpth (ft)	0.22	Hydr. Depth (ft)		0.15	
Conv. Total (cfs)	17.9	Conv. (cfs)		17.9	
Length Wtd. (ft)	29.02	Wetted Per. (ft)		11.78	
Min Ch El (ft)	7057.55	Shear (lb/sq ft)		0.16	
Alpha	1.00	Stream Power (lb/ft s)		0.23	
Frctn Loss (ft)	0.66	Cum Volume (acre-ft)		0.08	
C & E Loss (ft)	0.00	Cum SA (acres)		0.72	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2326 Profile: Q002

E.G. Elev (ft)	7057.15	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.040	
W.S. Elev (ft)	7057.10	Reach Len. (ft)	21.60	27.80	28.00
Crit W.S. (ft)		Flow Area (sq ft)		1.40	
E.G. Slope (ft/ft)	0.029662	Area (sq ft)		1.40	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	10.07	Top Width (ft)		10.07	
Vel Total (ft/s)	1.71	Avg. Vel. (ft/s)		1.71	
Max Chl Dpth (ft)	0.20	Hydr. Depth (ft)		0.14	
Conv. Total (cfs)	13.9	Conv. (cfs)		13.9	
Length Wtd. (ft)	27.80	Wetted Per. (ft)		10.09	
Min Ch El (ft)	7056.90	Shear (lb/sq ft)		0.26	
Alpha	1.00	Stream Power (lb/ft s)		0.44	
Frctn Loss (ft)	0.58	Cum Volume (acre-ft)		0.08	
C & E Loss (ft)	0.01	Cum SA (acres)		0.72	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2298.20* Profile: Q002

E.G. Elev (ft)	7056.57	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7056.54	Reach Len. (ft)	21.60	27.80	28.00
Crit W.S. (ft)		Flow Area (sq ft)		1.82	
E.G. Slope (ft/ft)	0.015433	Area (sq ft)		1.82	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	11.89	Top Width (ft)		11.89	
Vel Total (ft/s)	1.32	Avg. Vel. (ft/s)		1.32	
Max Chl Dpth (ft)	0.22	Hydr. Depth (ft)		0.15	
Conv. Total (cfs)	19.3	Conv. (cfs)		19.3	
Length Wtd. (ft)	27.80	Wetted Per. (ft)		11.91	
Min Ch El (ft)	7056.32	Shear (lb/sq ft)		0.15	
Alpha	1.00	Stream Power (lb/ft s)		0.19	
Frctn Loss (ft)	0.61	Cum Volume (acre-ft)		0.08	
C & E Loss (ft)	0.00	Cum SA (acres)		0.71	

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2270.40* Profile: Q002

E.G. Elev (ft)	7055.96	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.040	
W.S. Elev (ft)	7055.92	Reach Len. (ft)	21.60	27.80	28.00
Crit W.S. (ft)	7055.90	Flow Area (sq ft)		1.48	
E.G. Slope (ft/ft)	0.033505	Area (sq ft)		1.48	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	12.76	Top Width (ft)		12.76	
Vel Total (ft/s)	1.62	Avg. Vel. (ft/s)		1.62	
Max Chl Dpth (ft)	0.18	Hydr. Depth (ft)		0.12	
Conv. Total (cfs)	13.1	Conv. (cfs)		13.1	
Length Wtd. (ft)	27.80	Wetted Per. (ft)		12.77	
Min Ch El (ft)	7055.74	Shear (lb/sq ft)		0.24	
Alpha	1.00	Stream Power (lb/ft s)		0.39	
Frctn Loss (ft)	0.56	Cum Volume (acre-ft)		0.07	
C & E Loss (ft)	0.01	Cum SA (acres)		0.70	

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2242.60* Profile: Q002

E.G. Elev (ft)	7055.39	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7055.37	Reach Len. (ft)	21.60	27.80	28.00
Crit W.S. (ft)		Flow Area (sq ft)		2.08	
E.G. Slope (ft/ft)	0.013389	Area (sq ft)		2.08	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	14.92	Top Width (ft)		14.92	
Vel Total (ft/s)	1.15	Avg. Vel. (ft/s)		1.15	
Max Chl Dpth (ft)	0.21	Hydr. Depth (ft)		0.14	
Conv. Total (cfs)	20.7	Conv. (cfs)		20.7	
Length Wtd. (ft)	27.80	Wetted Per. (ft)		14.93	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2242.60* Profile: Q002 (Continued)

Min Ch El (ft)	7055.16	Shear (lb/sq ft)		0.12	
Alpha	1.00	Stream Power (lb/ft s)		0.13	
Frctn Loss (ft)	0.61	Cum Volume (acre-ft)		0.07	
C & E Loss (ft)	0.00	Cum SA (acres)		0.69	

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2214.80* Profile: Q002

E.G. Elev (ft)	7054.78	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.040	
W.S. Elev (ft)	7054.74	Reach Len. (ft)	21.60	27.80	28.00
Crit W.S. (ft)	7054.73	Flow Area (sq ft)		1.47	
E.G. Slope (ft/ft)	0.042059	Area (sq ft)		1.47	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	14.82	Top Width (ft)		14.82	
Vel Total (ft/s)	1.63	Avg. Vel. (ft/s)		1.63	
Max Chl Dpth (ft)	0.16	Hydr. Depth (ft)		0.10	
Conv. Total (cfs)	11.7	Conv. (cfs)		11.7	
Length Wtd. (ft)	27.80	Wetted Per. (ft)		14.83	
Min Ch El (ft)	7054.58	Shear (lb/sq ft)		0.26	
Alpha	1.00	Stream Power (lb/ft s)		0.42	
Frctn Loss (ft)	0.59	Cum Volume (acre-ft)		0.07	
C & E Loss (ft)	0.01	Cum SA (acres)		0.68	

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2187 Profile: Q002

E.G. Elev (ft)	7054.18	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7054.17	Reach Len. (ft)	30.40	28.40	26.60
Crit W.S. (ft)		Flow Area (sq ft)		2.67	
E.G. Slope (ft/ft)	0.012695	Area (sq ft)		2.67	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	26.83	Top Width (ft)		26.83	
Vel Total (ft/s)	0.90	Avg. Vel. (ft/s)		0.90	
Max Chl Dpth (ft)	0.17	Hydr. Depth (ft)		0.10	
Conv. Total (cfs)	21.3	Conv. (cfs)		21.3	
Length Wtd. (ft)	28.40	Wetted Per. (ft)		26.83	
Min Ch El (ft)	7054.00	Shear (lb/sq ft)		0.08	
Alpha	1.00	Stream Power (lb/ft s)		0.07	
Frctn Loss (ft)	0.39	Cum Volume (acre-ft)		0.07	
C & E Loss (ft)	0.00	Cum SA (acres)		0.67	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2158.60* Profile: Q002

E.G. Elev (ft)	7053.79	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7053.78	Reach Len. (ft)	30.40	28.40	26.60
Crit W.S. (ft)		Flow Area (sq ft)		2.53	
E.G. Slope (ft/ft)	0.014700	Area (sq ft)		2.53	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2158.60* Profile: Q002 (Continued)

Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	26.30	Top Width (ft)		26.30	
Vel Total (ft/s)	0.95	Avg. Vel. (ft/s)		0.95	
Max Chl Dpth (ft)	0.18	Hydr. Depth (ft)		0.10	
Conv. Total (cfs)	19.8	Conv. (cfs)		19.8	
Length Wtd. (ft)	28.40	Wetted Per. (ft)		26.30	
Min Ch El (ft)	7053.60	Shear (lb/sq ft)		0.09	
Alpha	1.00	Stream Power (lb/ft s)		0.08	
Frctn Loss (ft)	0.38	Cum Volume (acre-ft)		0.07	
C & E Loss (ft)	0.00	Cum SA (acres)		0.65	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2130.20* Profile: Q002

E.G. Elev (ft)	7053.42	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7053.40	Reach Len. (ft)	30.40	28.40	26.60
Crit W.S. (ft)		Flow Area (sq ft)		2.69	
E.G. Slope (ft/ft)	0.012516	Area (sq ft)		2.69	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	26.92	Top Width (ft)		26.92	
Vel Total (ft/s)	0.89	Avg. Vel. (ft/s)		0.89	
Max Chl Dpth (ft)	0.20	Hydr. Depth (ft)		0.10	
Conv. Total (cfs)	21.5	Conv. (cfs)		21.5	
Length Wtd. (ft)	28.40	Wetted Per. (ft)		26.92	
Min Ch El (ft)	7053.20	Shear (lb/sq ft)		0.08	
Alpha	1.00	Stream Power (lb/ft s)		0.07	
Frctn Loss (ft)	0.39	Cum Volume (acre-ft)		0.07	
C & E Loss (ft)	0.00	Cum SA (acres)		0.64	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2101.80* Profile: Q002

E.G. Elev (ft)	7053.03	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7053.01	Reach Len. (ft)	30.40	28.40	26.60
Crit W.S. (ft)		Flow Area (sq ft)		2.49	
E.G. Slope (ft/ft)	0.015206	Area (sq ft)		2.49	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	25.68	Top Width (ft)		25.68	
Vel Total (ft/s)	0.97	Avg. Vel. (ft/s)		0.97	
Max Chl Dpth (ft)	0.21	Hydr. Depth (ft)		0.10	
Conv. Total (cfs)	19.5	Conv. (cfs)		19.5	
Length Wtd. (ft)	28.40	Wetted Per. (ft)		25.69	
Min Ch El (ft)	7052.80	Shear (lb/sq ft)		0.09	
Alpha	1.00	Stream Power (lb/ft s)		0.09	
Frctn Loss (ft)	0.38	Cum Volume (acre-ft)		0.07	
C & E Loss (ft)	0.00	Cum SA (acres)		0.62	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2073.40* Profile: Q002

E.G. Elev (ft)	7052.65	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7052.64	Reach Len. (ft)	30.40	28.40	26.60
Crit W.S. (ft)	7052.58	Flow Area (sq ft)		2.65	
E.G. Slope (ft/ft)	0.011930	Area (sq ft)		2.65	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	25.23	Top Width (ft)		25.23	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2073.40* Profile: Q002 (Continued)

Vel Total (ft/s)	0.90	Avg. Vel. (ft/s)		0.90	
Max Chl Dpth (ft)	0.24	Hydr. Depth (ft)		0.11	
Conv. Total (cfs)	22.0	Conv. (cfs)		22.0	
Length Wtd. (ft)	28.40	Wetted Per. (ft)		25.23	
Min Ch El (ft)	7052.40	Shear (lb/sq ft)		0.08	
Alpha	1.00	Stream Power (lb/ft s)		0.07	
Frctn Loss (ft)	0.40	Cum Volume (acre-ft)		0.06	
C & E Loss (ft)	0.00	Cum SA (acres)		0.60	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2045 Profile: Q002

E.G. Elev (ft)	7052.26	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7052.24	Reach Len. (ft)	35.80	29.20	28.80
Crit W.S. (ft)		Flow Area (sq ft)		2.28	
E.G. Slope (ft/ft)	0.016631	Area (sq ft)		2.28	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	22.19	Top Width (ft)		22.19	
Vel Total (ft/s)	1.05	Avg. Vel. (ft/s)		1.05	
Max Chl Dpth (ft)	0.24	Hydr. Depth (ft)		0.10	
Conv. Total (cfs)	18.6	Conv. (cfs)		18.6	
Length Wtd. (ft)	29.20	Wetted Per. (ft)		22.20	
Min Ch El (ft)	7052.00	Shear (lb/sq ft)		0.11	
Alpha	1.00	Stream Power (lb/ft s)		0.11	
Frctn Loss (ft)	0.54	Cum Volume (acre-ft)		0.06	
C & E Loss (ft)	0.00	Cum SA (acres)		0.59	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 2015.80* Profile: Q002

E.G. Elev (ft)	7051.71	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7051.69	Reach Len. (ft)	35.80	29.20	28.80
Crit W.S. (ft)		Flow Area (sq ft)		2.14	
E.G. Slope (ft/ft)	0.020934	Area (sq ft)		2.14	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	22.37	Top Width (ft)		22.37	
Vel Total (ft/s)	1.12	Avg. Vel. (ft/s)		1.12	
Max Chl Dpth (ft)	0.23	Hydr. Depth (ft)		0.10	
Conv. Total (cfs)	16.6	Conv. (cfs)		16.6	
Length Wtd. (ft)	29.20	Wetted Per. (ft)		22.38	
Min Ch El (ft)	7051.46	Shear (lb/sq ft)		0.12	
Alpha	1.00	Stream Power (lb/ft s)		0.14	
Frctn Loss (ft)	0.53	Cum Volume (acre-ft)		0.06	
C & E Loss (ft)	0.00	Cum SA (acres)		0.57	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1986.60* Profile: Q002

E.G. Elev (ft)	7051.17	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7051.16	Reach Len. (ft)	35.80	29.20	28.80
Crit W.S. (ft)		Flow Area (sq ft)		2.44	
E.G. Slope (ft/ft)	0.016033	Area (sq ft)		2.44	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	25.39	Top Width (ft)		25.39	
Vel Total (ft/s)	0.99	Avg. Vel. (ft/s)		0.99	
Max Chl Dpth (ft)	0.24	Hydr. Depth (ft)		0.10	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1986.60* Profile: Q002 (Continued)

Conv. Total (cfs)	19.0	Conv. (cfs)		19.0	
Length Wtd. (ft)	29.20	Wetted Per. (ft)		25.40	
Min Ch El (ft)	7050.92	Shear (lb/sq ft)		0.10	
Alpha	1.00	Stream Power (lb/ft s)		0.09	
Frctn Loss (ft)	0.55	Cum Volume (acre-ft)		0.06	
C & E Loss (ft)	0.00	Cum SA (acres)		0.56	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1957.40* Profile: Q002

E.G. Elev (ft)	7050.62	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7050.60	Reach Len. (ft)	35.80	29.20	28.80
Crit W.S. (ft)		Flow Area (sq ft)		2.20	
E.G. Slope (ft/ft)	0.022685	Area (sq ft)		2.20	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	25.61	Top Width (ft)		25.61	
Vel Total (ft/s)	1.09	Avg. Vel. (ft/s)		1.09	
Max Chl Dpth (ft)	0.22	Hydr. Depth (ft)		0.09	
Conv. Total (cfs)	15.9	Conv. (cfs)		15.9	
Length Wtd. (ft)	29.20	Wetted Per. (ft)		25.62	
Min Ch El (ft)	7050.38	Shear (lb/sq ft)		0.12	
Alpha	1.00	Stream Power (lb/ft s)		0.13	
Frctn Loss (ft)	0.53	Cum Volume (acre-ft)		0.06	
C & E Loss (ft)	0.00	Cum SA (acres)		0.54	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1928.20* Profile: Q002

E.G. Elev (ft)	7050.08	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7050.07	Reach Len. (ft)	35.80	29.20	28.80
Crit W.S. (ft)	7050.03	Flow Area (sq ft)		2.59	
E.G. Slope (ft/ft)	0.015024	Area (sq ft)		2.59	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	28.19	Top Width (ft)		28.19	
Vel Total (ft/s)	0.93	Avg. Vel. (ft/s)		0.93	
Max Chl Dpth (ft)	0.23	Hydr. Depth (ft)		0.09	
Conv. Total (cfs)	19.6	Conv. (cfs)		19.6	
Length Wtd. (ft)	29.20	Wetted Per. (ft)		28.20	
Min Ch El (ft)	7049.84	Shear (lb/sq ft)		0.09	
Alpha	1.00	Stream Power (lb/ft s)		0.08	
Frctn Loss (ft)	0.56	Cum Volume (acre-ft)		0.06	
C & E Loss (ft)	0.00	Cum SA (acres)		0.52	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1899 Profile: Q002

E.G. Elev (ft)	7049.53	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7049.51	Reach Len. (ft)	45.67	43.00	43.67
Crit W.S. (ft)		Flow Area (sq ft)		2.20	
E.G. Slope (ft/ft)	0.025326	Area (sq ft)		2.20	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	27.81	Top Width (ft)		27.81	
Vel Total (ft/s)	1.09	Avg. Vel. (ft/s)		1.09	
Max Chl Dpth (ft)	0.21	Hydr. Depth (ft)		0.08	
Conv. Total (cfs)	15.1	Conv. (cfs)		15.1	
Length Wtd. (ft)	43.00	Wetted Per. (ft)		27.82	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1899 Profile: Q002 (Continued)

Min Ch El (ft)	7049.30	Shear (lb/sq ft)		0.13	
Alpha	1.00	Stream Power (lb/ft s)		0.14	
Frctn Loss (ft)	0.96	Cum Volume (acre-ft)		0.05	
C & E Loss (ft)	0.00	Cum SA (acres)		0.50	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1856.00* Profile: Q002

E.G. Elev (ft)	7048.58	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7048.56	Reach Len. (ft)	45.67	43.00	43.67
Crit W.S. (ft)		Flow Area (sq ft)		2.35	
E.G. Slope (ft/ft)	0.019686	Area (sq ft)		2.35	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	27.14	Top Width (ft)		27.14	
Vel Total (ft/s)	1.02	Avg. Vel. (ft/s)		1.02	
Max Chl Dpth (ft)	0.19	Hydr. Depth (ft)		0.09	
Conv. Total (cfs)	17.1	Conv. (cfs)		17.1	
Length Wtd. (ft)	43.00	Wetted Per. (ft)		27.14	
Min Ch El (ft)	7048.37	Shear (lb/sq ft)		0.11	
Alpha	1.00	Stream Power (lb/ft s)		0.11	
Frctn Loss (ft)	0.97	Cum Volume (acre-ft)		0.05	
C & E Loss (ft)	0.00	Cum SA (acres)		0.47	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1813.00* Profile: Q002

E.G. Elev (ft)	7047.61	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7047.59	Reach Len. (ft)	45.67	43.00	43.67
Crit W.S. (ft)	7047.57	Flow Area (sq ft)		2.16	
E.G. Slope (ft/ft)	0.026243	Area (sq ft)		2.16	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	27.25	Top Width (ft)		27.25	
Vel Total (ft/s)	1.11	Avg. Vel. (ft/s)		1.11	
Max Chl Dpth (ft)	0.16	Hydr. Depth (ft)		0.08	
Conv. Total (cfs)	14.8	Conv. (cfs)		14.8	
Length Wtd. (ft)	43.00	Wetted Per. (ft)		27.25	
Min Ch El (ft)	7047.43	Shear (lb/sq ft)		0.13	
Alpha	1.00	Stream Power (lb/ft s)		0.14	
Frctn Loss (ft)	0.95	Cum Volume (acre-ft)		0.05	
C & E Loss (ft)	0.00	Cum SA (acres)		0.45	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1770 Profile: Q002

E.G. Elev (ft)	7046.65	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7046.64	Reach Len. (ft)	45.74	45.26	62.76
Crit W.S. (ft)		Flow Area (sq ft)		2.51	
E.G. Slope (ft/ft)	0.019030	Area (sq ft)		2.51	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	31.12	Top Width (ft)		31.12	
Vel Total (ft/s)	0.96	Avg. Vel. (ft/s)		0.96	
Max Chl Dpth (ft)	0.14	Hydr. Depth (ft)		0.08	
Conv. Total (cfs)	17.4	Conv. (cfs)		17.4	
Length Wtd. (ft)	45.26	Wetted Per. (ft)		31.12	
Min Ch El (ft)	7046.50	Shear (lb/sq ft)		0.10	
Alpha	1.00	Stream Power (lb/ft s)		0.09	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1770 Profile: Q002 (Continued)

Frctn Loss (ft)	1.12	Cum Volume (acre-ft)		0.05	
C & E Loss (ft)	0.00	Cum SA (acres)		0.42	

Errors Warnings and Notes

Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1724.75* Profile: Q002

E.G. Elev (ft)	7045.53	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7045.51	Reach Len. (ft)	45.74	45.26	62.76
Crit W.S. (ft)		Flow Area (sq ft)		2.10	
E.G. Slope (ft/ft)	0.033240	Area (sq ft)		2.10	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	30.16	Top Width (ft)		30.16	
Vel Total (ft/s)	1.14	Avg. Vel. (ft/s)		1.14	
Max Chl Dpth (ft)	0.13	Hydr. Depth (ft)		0.07	
Conv. Total (cfs)	13.2	Conv. (cfs)		13.2	
Length Wtd. (ft)	45.26	Wetted Per. (ft)		30.16	
Min Ch EI (ft)	7045.38	Shear (lb/sq ft)		0.14	
Alpha	1.00	Stream Power (lb/ft s)		0.17	
Frctn Loss (ft)	1.11	Cum Volume (acre-ft)		0.05	
C & E Loss (ft)	0.00	Cum SA (acres)		0.39	

Errors Warnings and Notes

Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1679.50* Profile: Q002

E.G. Elev (ft)	7044.43	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7044.41	Reach Len. (ft)	45.74	45.26	62.76
Crit W.S. (ft)		Flow Area (sq ft)		2.48	
E.G. Slope (ft/ft)	0.018910	Area (sq ft)		2.48	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	30.21	Top Width (ft)		30.21	
Vel Total (ft/s)	0.97	Avg. Vel. (ft/s)		0.97	
Max Chl Dpth (ft)	0.16	Hydr. Depth (ft)		0.08	
Conv. Total (cfs)	17.5	Conv. (cfs)		17.5	
Length Wtd. (ft)	45.26	Wetted Per. (ft)		30.21	
Min Ch EI (ft)	7044.25	Shear (lb/sq ft)		0.10	
Alpha	1.00	Stream Power (lb/ft s)		0.09	
Frctn Loss (ft)	1.12	Cum Volume (acre-ft)		0.04	
C & E Loss (ft)	0.00	Cum SA (acres)		0.36	

Errors Warnings and Notes

Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1634.25* Profile: Q002

E.G. Elev (ft)	7043.30	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7043.27	Reach Len. (ft)	45.74	45.26	62.76
Crit W.S. (ft)	7043.26	Flow Area (sq ft)		1.96	
E.G. Slope (ft/ft)	0.033779	Area (sq ft)		1.96	
Q Total (cfs)	2.40	Flow (cfs)		2.40	
Top Width (ft)	25.68	Top Width (ft)		25.68	
Vel Total (ft/s)	1.23	Avg. Vel. (ft/s)		1.23	
Max Chl Dpth (ft)	0.15	Hydr. Depth (ft)		0.08	
Conv. Total (cfs)	13.1	Conv. (cfs)		13.1	
Length Wtd. (ft)	45.26	Wetted Per. (ft)		25.69	
Min Ch El (ft)	7043.12	Shear (lb/sq ft)		0.16	
Alpha	1.00	Stream Power (lb/ft s)		0.20	
Frctn Loss (ft)	1.04	Cum Volume (acre-ft)		0.04	
C & E Loss (ft)	0.00	Cum SA (acres)		0.33	

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Warning:	The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1589 Profile: Q002

E.G. Elev (ft)	7042.25	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7042.23	Reach Len. (ft)	32.44	33.58	31.14
Crit W.S. (ft)		Flow Area (sq ft)		4.00	
E.G. Slope (ft/ft)	0.019463	Area (sq ft)		4.00	
Q Total (cfs)	4.90	Flow (cfs)		4.90	
Top Width (ft)	34.77	Top Width (ft)		34.77	
Vel Total (ft/s)	1.23	Avg. Vel. (ft/s)		1.23	
Max Chl Dpth (ft)	0.23	Hydr. Depth (ft)		0.11	
Conv. Total (cfs)	35.1	Conv. (cfs)		35.1	
Length Wtd. (ft)	33.58	Wetted Per. (ft)		34.78	
Min Ch El (ft)	7042.00	Shear (lb/sq ft)		0.14	
Alpha	1.00	Stream Power (lb/ft s)		0.17	
Frctn Loss (ft)	0.59	Cum Volume (acre-ft)		0.04	
C & E Loss (ft)	0.00	Cum SA (acres)		0.30	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1555.43* Profile: Q002

E.G. Elev (ft)	7041.65	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7041.63	Reach Len. (ft)	32.44	33.58	31.14
Crit W.S. (ft)		Flow Area (sq ft)		4.25	
E.G. Slope (ft/ft)	0.016117	Area (sq ft)		4.25	
Q Total (cfs)	4.90	Flow (cfs)		4.90	
Top Width (ft)	35.15	Top Width (ft)		35.15	
Vel Total (ft/s)	1.15	Avg. Vel. (ft/s)		1.15	
Max Chl Dpth (ft)	0.24	Hydr. Depth (ft)		0.12	
Conv. Total (cfs)	38.6	Conv. (cfs)		38.6	
Length Wtd. (ft)	33.58	Wetted Per. (ft)		35.16	
Min Ch El (ft)	7041.39	Shear (lb/sq ft)		0.12	
Alpha	1.00	Stream Power (lb/ft s)		0.14	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1555.43* Profile: Q002 (Continued)

Frctn Loss (ft)	0.62	Cum Volume (acre-ft)		0.03	
C & E Loss (ft)	0.00	Cum SA (acres)		0.27	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1521.86* Profile: Q002

E.G. Elev (ft)	7041.03	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7041.01	Reach Len. (ft)	32.44	33.58	31.14
Crit W.S. (ft)		Flow Area (sq ft)		3.76	
E.G. Slope (ft/ft)	0.021560	Area (sq ft)		3.76	
Q Total (cfs)	4.90	Flow (cfs)		4.90	
Top Width (ft)	32.23	Top Width (ft)		32.23	
Vel Total (ft/s)	1.30	Avg. Vel. (ft/s)		1.30	
Max Chl Dpth (ft)	0.24	Hydr. Depth (ft)		0.12	
Conv. Total (cfs)	33.4	Conv. (cfs)		33.4	
Length Wtd. (ft)	33.58	Wetted Per. (ft)		32.24	
Min Ch El (ft)	7040.77	Shear (lb/sq ft)		0.16	
Alpha	1.00	Stream Power (lb/ft s)		0.20	
Frctn Loss (ft)	0.61	Cum Volume (acre-ft)		0.03	
C & E Loss (ft)	0.00	Cum SA (acres)		0.24	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1488.29* Profile: Q002

E.G. Elev (ft)	7040.43	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7040.41	Reach Len. (ft)	32.44	33.58	31.14
Crit W.S. (ft)		Flow Area (sq ft)		4.09	
E.G. Slope (ft/ft)	0.015549	Area (sq ft)		4.09	
Q Total (cfs)	4.90	Flow (cfs)		4.90	
Top Width (ft)	31.10	Top Width (ft)		31.10	
Vel Total (ft/s)	1.20	Avg. Vel. (ft/s)		1.20	
Max Chl Dpth (ft)	0.25	Hydr. Depth (ft)		0.13	
Conv. Total (cfs)	39.3	Conv. (cfs)		39.3	
Length Wtd. (ft)	33.58	Wetted Per. (ft)		31.10	
Min Ch El (ft)	7040.16	Shear (lb/sq ft)		0.13	
Alpha	1.00	Stream Power (lb/ft s)		0.15	
Frctn Loss (ft)	0.62	Cum Volume (acre-ft)		0.03	
C & E Loss (ft)	0.00	Cum SA (acres)		0.22	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1454.71* Profile: Q002

E.G. Elev (ft)	7039.80	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7039.77	Reach Len. (ft)	32.44	33.58	31.14
Crit W.S. (ft)		Flow Area (sq ft)		3.47	
E.G. Slope (ft/ft)	0.022545	Area (sq ft)		3.47	
Q Total (cfs)	4.90	Flow (cfs)		4.90	
Top Width (ft)	27.21	Top Width (ft)		27.21	
Vel Total (ft/s)	1.41	Avg. Vel. (ft/s)		1.41	
Max Chl Dpth (ft)	0.23	Hydr. Depth (ft)		0.13	
Conv. Total (cfs)	32.6	Conv. (cfs)		32.6	
Length Wtd. (ft)	33.58	Wetted Per. (ft)		27.21	
Min Ch El (ft)	7039.54	Shear (lb/sq ft)		0.18	
Alpha	1.00	Stream Power (lb/ft s)		0.25	
Frctn Loss (ft)	0.61	Cum Volume (acre-ft)		0.03	
C & E Loss (ft)	0.00	Cum SA (acres)		0.20	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1421.14* Profile: Q002

E.G. Elev (ft)	7039.21	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7039.18	Reach Len. (ft)	32.44	33.58	31.14
Crit W.S. (ft)		Flow Area (sq ft)		3.87	
E.G. Slope (ft/ft)	0.014771	Area (sq ft)		3.87	
Q Total (cfs)	4.90	Flow (cfs)		4.90	
Top Width (ft)	26.07	Top Width (ft)		26.07	
Vel Total (ft/s)	1.27	Avg. Vel. (ft/s)		1.27	
Max Chl Dpth (ft)	0.25	Hydr. Depth (ft)		0.15	
Conv. Total (cfs)	40.3	Conv. (cfs)		40.3	
Length Wtd. (ft)	33.58	Wetted Per. (ft)		26.08	
Min Ch El (ft)	7038.93	Shear (lb/sq ft)		0.14	
Alpha	1.00	Stream Power (lb/ft s)		0.17	
Frctn Loss (ft)	0.62	Cum Volume (acre-ft)		0.02	
C & E Loss (ft)	0.00	Cum SA (acres)		0.17	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1387.57* Profile: Q002

E.G. Elev (ft)	7038.58	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.		0.040	
W.S. Elev (ft)	7038.55	Reach Len. (ft)	32.44	33.58	31.14
Crit W.S. (ft)		Flow Area (sq ft)		3.13	
E.G. Slope (ft/ft)	0.024081	Area (sq ft)		3.13	
Q Total (cfs)	4.90	Flow (cfs)		4.90	
Top Width (ft)	22.18	Top Width (ft)		22.18	
Vel Total (ft/s)	1.56	Avg. Vel. (ft/s)		1.56	
Max Chl Dpth (ft)	0.23	Hydr. Depth (ft)		0.14	
Conv. Total (cfs)	31.6	Conv. (cfs)		31.6	
Length Wtd. (ft)	33.58	Wetted Per. (ft)		22.19	
Min Ch El (ft)	7038.31	Shear (lb/sq ft)		0.21	
Alpha	1.00	Stream Power (lb/ft s)		0.33	
Frctn Loss (ft)	0.59	Cum Volume (acre-ft)		0.02	
C & E Loss (ft)	0.00	Cum SA (acres)		0.16	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1354 Profile: Q002

E.G. Elev (ft)	7038.00	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7037.97	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)		Flow Area (sq ft)		3.69	
E.G. Slope (ft/ft)	0.013527	Area (sq ft)		3.69	
Q Total (cfs)	4.90	Flow (cfs)		4.90	
Top Width (ft)	21.63	Top Width (ft)		21.63	
Vel Total (ft/s)	1.33	Avg. Vel. (ft/s)		1.33	
Max Chl Dpth (ft)	0.27	Hydr. Depth (ft)		0.17	
Conv. Total (cfs)	42.1	Conv. (cfs)		42.1	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		21.65	
Min Ch El (ft)	7037.70	Shear (lb/sq ft)		0.14	
Alpha	1.00	Stream Power (lb/ft s)		0.19	
Frctn Loss (ft)	0.25	Cum Volume (acre-ft)		0.02	
C & E Loss (ft)	0.00	Cum SA (acres)		0.14	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1335.88* Profile: Q002

E.G. Elev (ft)	7037.74	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7037.72	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)		Flow Area (sq ft)		3.76	
E.G. Slope (ft/ft)	0.014112	Area (sq ft)		3.76	
Q Total (cfs)	4.90	Flow (cfs)		4.90	
Top Width (ft)	23.46	Top Width (ft)		23.46	
Vel Total (ft/s)	1.30	Avg. Vel. (ft/s)		1.30	
Max Chl Dpth (ft)	0.26	Hydr. Depth (ft)		0.16	
Conv. Total (cfs)	41.2	Conv. (cfs)		41.2	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		23.48	
Min Ch El (ft)	7037.46	Shear (lb/sq ft)		0.14	
Alpha	1.00	Stream Power (lb/ft s)		0.18	
Frctn Loss (ft)	0.26	Cum Volume (acre-ft)		0.02	
C & E Loss (ft)	0.00	Cum SA (acres)		0.13	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1317.75* Profile: Q002

E.G. Elev (ft)	7037.49	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7037.47	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)		Flow Area (sq ft)		3.88	
E.G. Slope (ft/ft)	0.014311	Area (sq ft)		3.88	
Q Total (cfs)	4.90	Flow (cfs)		4.90	
Top Width (ft)	25.56	Top Width (ft)		25.56	
Vel Total (ft/s)	1.26	Avg. Vel. (ft/s)		1.26	
Max Chl Dpth (ft)	0.24	Hydr. Depth (ft)		0.15	
Conv. Total (cfs)	41.0	Conv. (cfs)		41.0	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		25.57	
Min Ch El (ft)	7037.23	Shear (lb/sq ft)		0.14	
Alpha	1.00	Stream Power (lb/ft s)		0.17	
Frctn Loss (ft)	0.25	Cum Volume (acre-ft)		0.01	
C & E Loss (ft)	0.00	Cum SA (acres)		0.12	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1299.63* Profile: Q002

E.G. Elev (ft)	7037.25	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7037.23	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)		Flow Area (sq ft)		4.15	
E.G. Slope (ft/ft)	0.013065	Area (sq ft)		4.15	
Q Total (cfs)	4.90	Flow (cfs)		4.90	
Top Width (ft)	28.26	Top Width (ft)		28.26	
Vel Total (ft/s)	1.18	Avg. Vel. (ft/s)		1.18	
Max Chl Dpth (ft)	0.24	Hydr. Depth (ft)		0.15	
Conv. Total (cfs)	42.9	Conv. (cfs)		42.9	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		28.27	
Min Ch El (ft)	7036.99	Shear (lb/sq ft)		0.12	
Alpha	1.00	Stream Power (lb/ft s)		0.14	
Frctn Loss (ft)	0.26	Cum Volume (acre-ft)		0.01	
C & E Loss (ft)	0.00	Cum SA (acres)		0.11	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1281.50* Profile: Q002

E.G. Elev (ft)	7037.00	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7036.97	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)		Flow Area (sq ft)		4.01	
E.G. Slope (ft/ft)	0.016056	Area (sq ft)		4.01	
Q Total (cfs)	4.90	Flow (cfs)		4.90	
Top Width (ft)	30.26	Top Width (ft)		30.26	
Vel Total (ft/s)	1.22	Avg. Vel. (ft/s)		1.22	
Max Chl Dpth (ft)	0.22	Hydr. Depth (ft)		0.13	
Conv. Total (cfs)	38.7	Conv. (cfs)		38.7	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		30.27	
Min Ch El (ft)	7036.75	Shear (lb/sq ft)		0.13	
Alpha	1.00	Stream Power (lb/ft s)		0.16	
Frctn Loss (ft)	0.23	Cum Volume (acre-ft)		0.01	
C & E Loss (ft)	0.00	Cum SA (acres)		0.10	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1263.38* Profile: Q002

E.G. Elev (ft)	7036.76	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7036.75	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)		Flow Area (sq ft)		4.87	
E.G. Slope (ft/ft)	0.010454	Area (sq ft)		4.87	
Q Total (cfs)	4.90	Flow (cfs)		4.90	
Top Width (ft)	35.79	Top Width (ft)		35.79	
Vel Total (ft/s)	1.01	Avg. Vel. (ft/s)		1.01	
Max Chl Dpth (ft)	0.24	Hydr. Depth (ft)		0.14	
Conv. Total (cfs)	47.9	Conv. (cfs)		47.9	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		35.79	
Min Ch El (ft)	7036.51	Shear (lb/sq ft)		0.09	
Alpha	1.00	Stream Power (lb/ft s)		0.09	
Frctn Loss (ft)	0.26	Cum Volume (acre-ft)		0.01	
C & E Loss (ft)	0.00	Cum SA (acres)		0.08	

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1245.25* Profile: Q002

E.G. Elev (ft)	7036.49	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7036.47	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)		Flow Area (sq ft)		4.00	
E.G. Slope (ft/ft)	0.020929	Area (sq ft)		4.00	
Q Total (cfs)	4.90	Flow (cfs)		4.90	
Top Width (ft)	36.68	Top Width (ft)		36.68	
Vel Total (ft/s)	1.23	Avg. Vel. (ft/s)		1.23	
Max Chl Dpth (ft)	0.20	Hydr. Depth (ft)		0.11	
Conv. Total (cfs)	33.9	Conv. (cfs)		33.9	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		36.69	
Min Ch El (ft)	7036.27	Shear (lb/sq ft)		0.14	
Alpha	1.00	Stream Power (lb/ft s)		0.17	
Frctn Loss (ft)	0.22	Cum Volume (acre-ft)		0.01	
C & E Loss (ft)	0.00	Cum SA (acres)		0.07	

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Errors Warnings and Notes (Continued)

	1.4. This may indicate the need for additional cross sections.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1227.13* Profile: Q002

E.G. Elev (ft)	7036.27	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.040	
W.S. Elev (ft)	7036.26	Reach Len. (ft)	17.88	18.12	20.75
Crit W.S. (ft)		Flow Area (sq ft)		6.00	
E.G. Slope (ft/ft)	0.008191	Area (sq ft)		6.00	
Q Total (cfs)	4.90	Flow (cfs)		4.90	
Top Width (ft)	50.18	Top Width (ft)		50.18	
Vel Total (ft/s)	0.82	Avg. Vel. (ft/s)		0.82	
Max Chl Dpth (ft)	0.22	Hydr. Depth (ft)		0.12	
Conv. Total (cfs)	54.1	Conv. (cfs)		54.1	
Length Wtd. (ft)	18.12	Wetted Per. (ft)		50.18	
Min Ch EI (ft)	7036.04	Shear (lb/sq ft)		0.06	
Alpha	1.00	Stream Power (lb/ft s)		0.05	
Frctn Loss (ft)	0.29	Cum Volume (acre-ft)		0.00	
C & E Loss (ft)	0.00	Cum SA (acres)		0.05	

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than
	1.4. This may indicate the need for additional cross sections.

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1209 Profile: Q002

E.G. Elev (ft)	7035.98	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.		0.040	
W.S. Elev (ft)	7035.95	Reach Len. (ft)	17.50	18.00	16.00
Crit W.S. (ft)	7035.94	Flow Area (sq ft)		3.59	
E.G. Slope (ft/ft)	0.042275	Area (sq ft)		3.59	
Q Total (cfs)	4.90	Flow (cfs)		4.90	
Top Width (ft)	47.63	Top Width (ft)		47.63	
Vel Total (ft/s)	1.36	Avg. Vel. (ft/s)		1.36	
Max Chl Dpth (ft)	0.15	Hydr. Depth (ft)		0.08	
Conv. Total (cfs)	23.8	Conv. (cfs)		23.8	
Length Wtd. (ft)	18.00	Wetted Per. (ft)		47.63	
Min Ch EI (ft)	7035.80	Shear (lb/sq ft)		0.20	
Alpha	1.00	Stream Power (lb/ft s)		0.27	
Frctn Loss (ft)	0.38	Cum Volume (acre-ft)		0.00	
C & E Loss (ft)	0.00	Cum SA (acres)		0.03	

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than
	1.4. This may indicate the need for additional cross sections.

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1191.00* Profile: Q002

E.G. Elev (ft)	7035.60	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.040	
W.S. Elev (ft)	7035.57	Reach Len. (ft)	17.50	18.00	16.00
Crit W.S. (ft)		Flow Area (sq ft)		4.07	
E.G. Slope (ft/ft)	0.012778	Area (sq ft)		4.07	
Q Total (cfs)	4.90	Flow (cfs)		4.90	
Top Width (ft)	26.48	Top Width (ft)		26.48	
Vel Total (ft/s)	1.20	Avg. Vel. (ft/s)		1.20	

Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1191.00* Profile: Q002 (Continued)

Max Chl Dpth (ft)	0.17	Hydr. Depth (ft)		0.15	
Conv. Total (cfs)	43.3	Conv. (cfs)		43.3	
Length Wtd. (ft)	18.00	Wetted Per. (ft)		26.49	
Min Ch El (ft)	7035.40	Shear (lb/sq ft)		0.12	
Alpha	1.00	Stream Power (lb/ft s)		0.15	
Frctn Loss (ft)	0.48	Cum Volume (acre-ft)		0.00	
C & E Loss (ft)	0.00	Cum SA (acres)		0.01	

Errors Warnings and Notes

Warning:	The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
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Plan: Plan 07 POND F-G CHANNEL MAIN CHANNEL RS: 1173 Profile: Q002

E.G. Elev (ft)	7035.12	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.		0.040	
W.S. Elev (ft)	7035.07	Reach Len. (ft)			
Crit W.S. (ft)	7035.07	Flow Area (sq ft)		2.73	
E.G. Slope (ft/ft)	0.085451	Area (sq ft)		2.73	
Q Total (cfs)	4.90	Flow (cfs)		4.90	
Top Width (ft)	40.74	Top Width (ft)		40.74	
Vel Total (ft/s)	1.79	Avg. Vel. (ft/s)		1.79	
Max Chl Dpth (ft)	0.07	Hydr. Depth (ft)		0.07	
Conv. Total (cfs)	16.8	Conv. (cfs)		16.8	
Length Wtd. (ft)		Wetted Per. (ft)		40.77	
Min Ch El (ft)	7035.00	Shear (lb/sq ft)		0.36	
Alpha	1.00	Stream Power (lb/ft s)		0.64	
Frctn Loss (ft)		Cum Volume (acre-ft)			
C & E Loss (ft)		Cum SA (acres)			

Errors Warnings and Notes

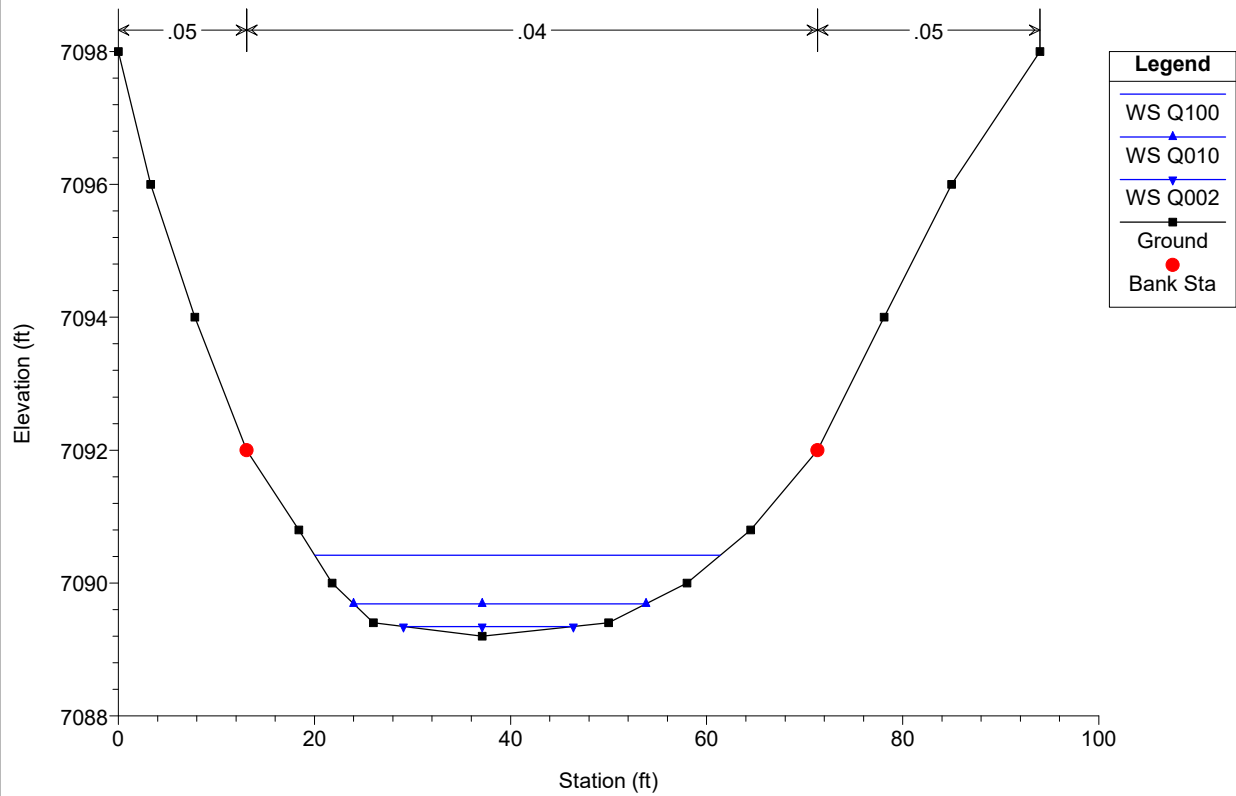
Warning:	Slope-Area method could not converge on a starting water surface elevation within the specified number of trials.
	The program used critical depth as the starting water surface.

HISTORIC CONDITION

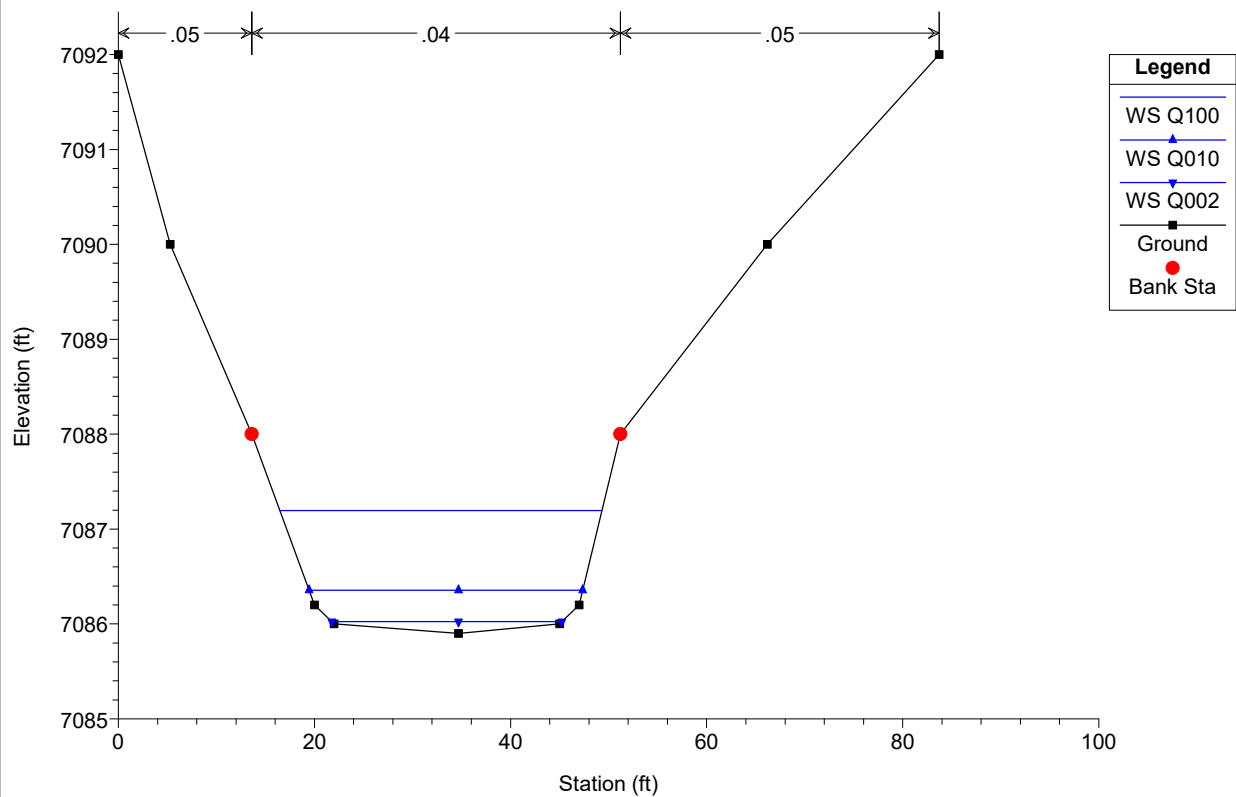
PROFILES

Does not include interpolated sections

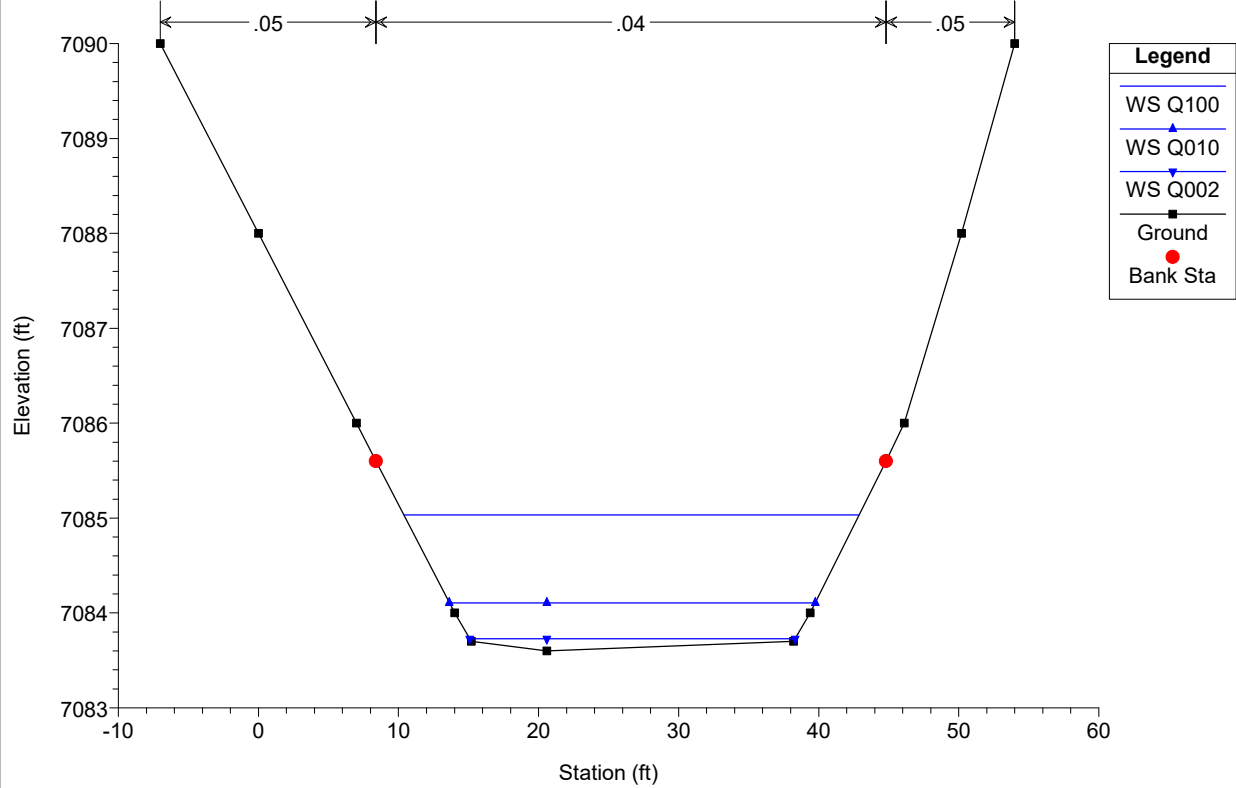
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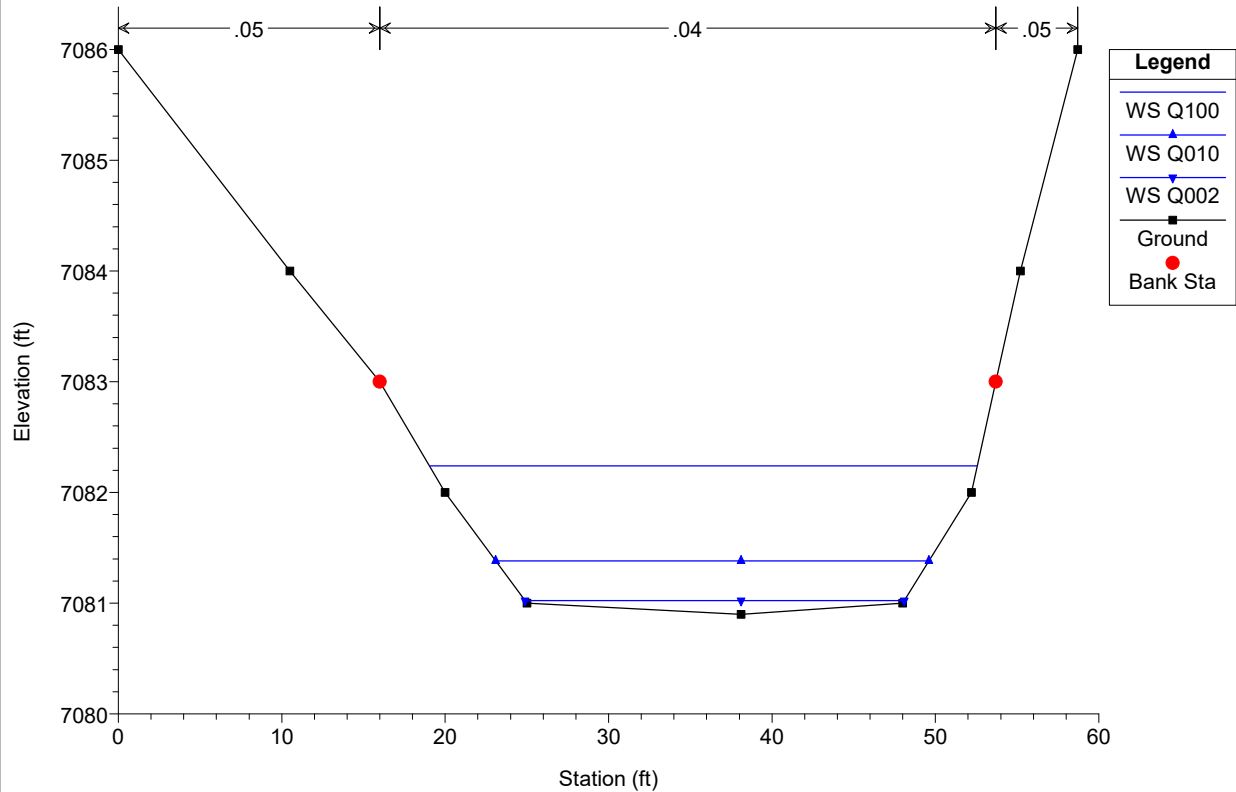
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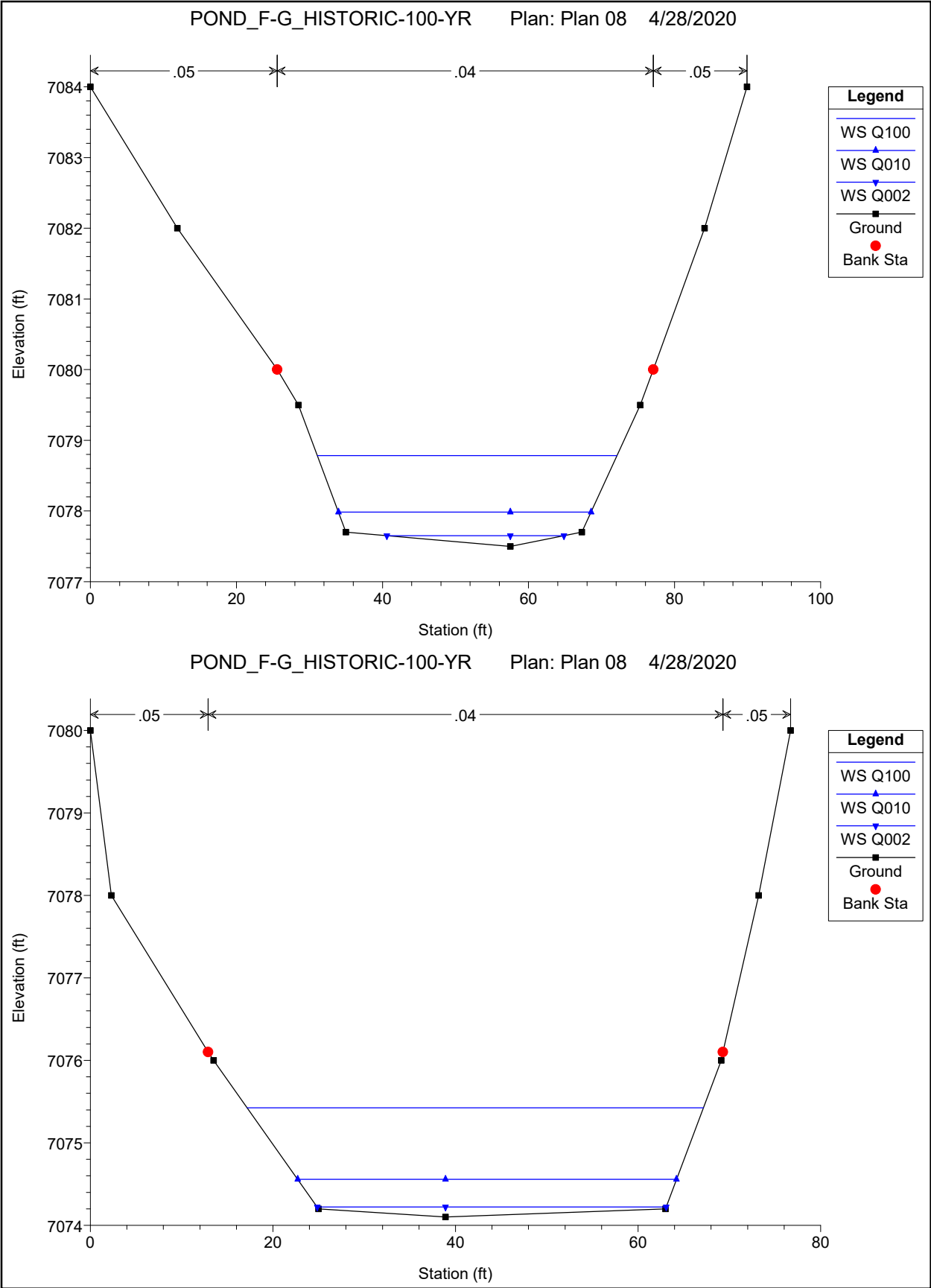


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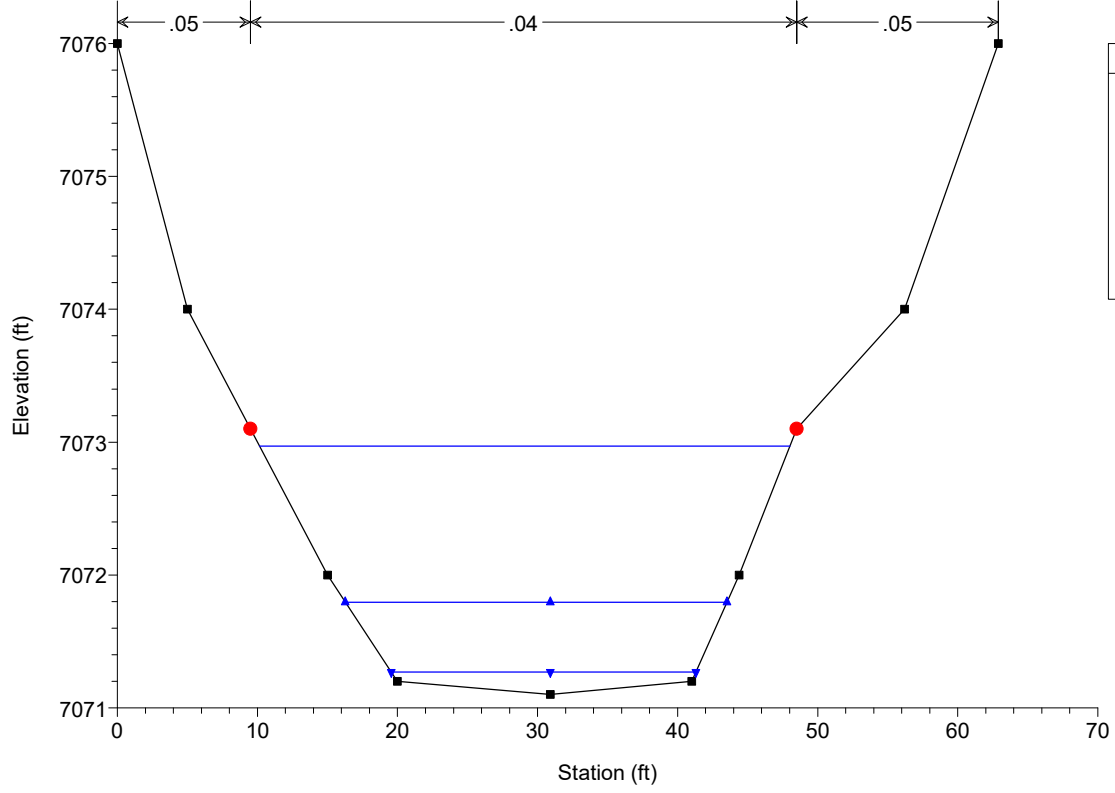


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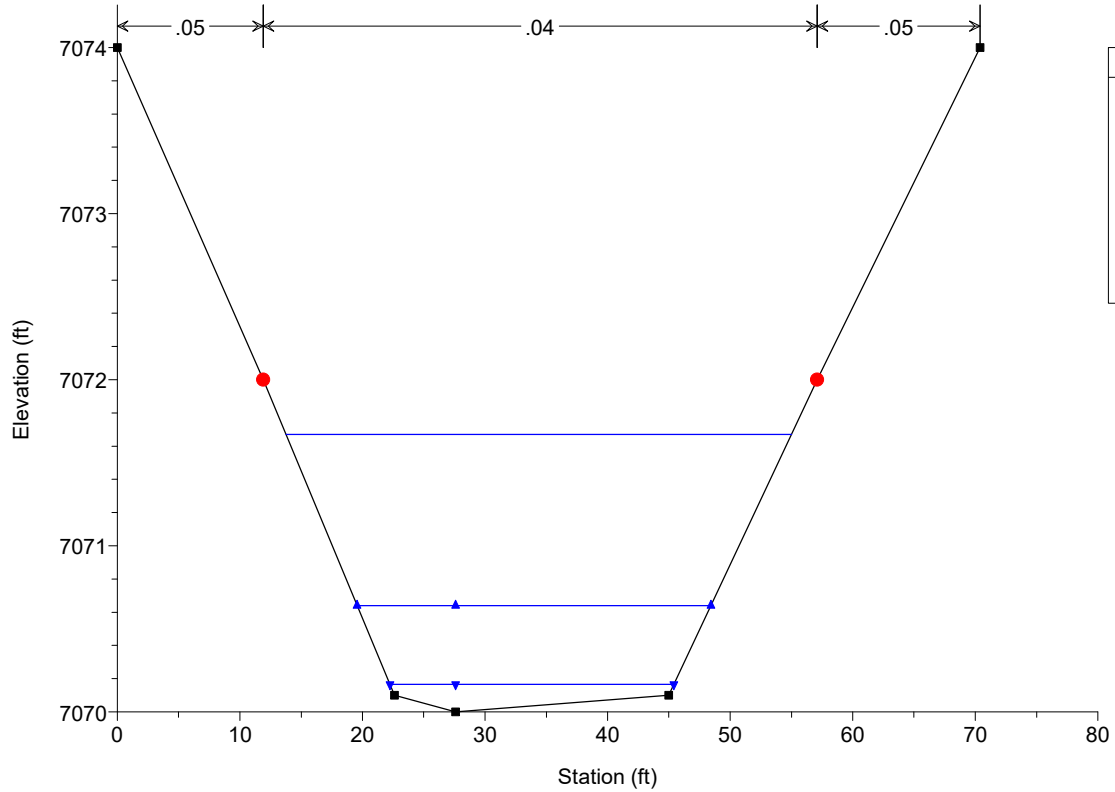




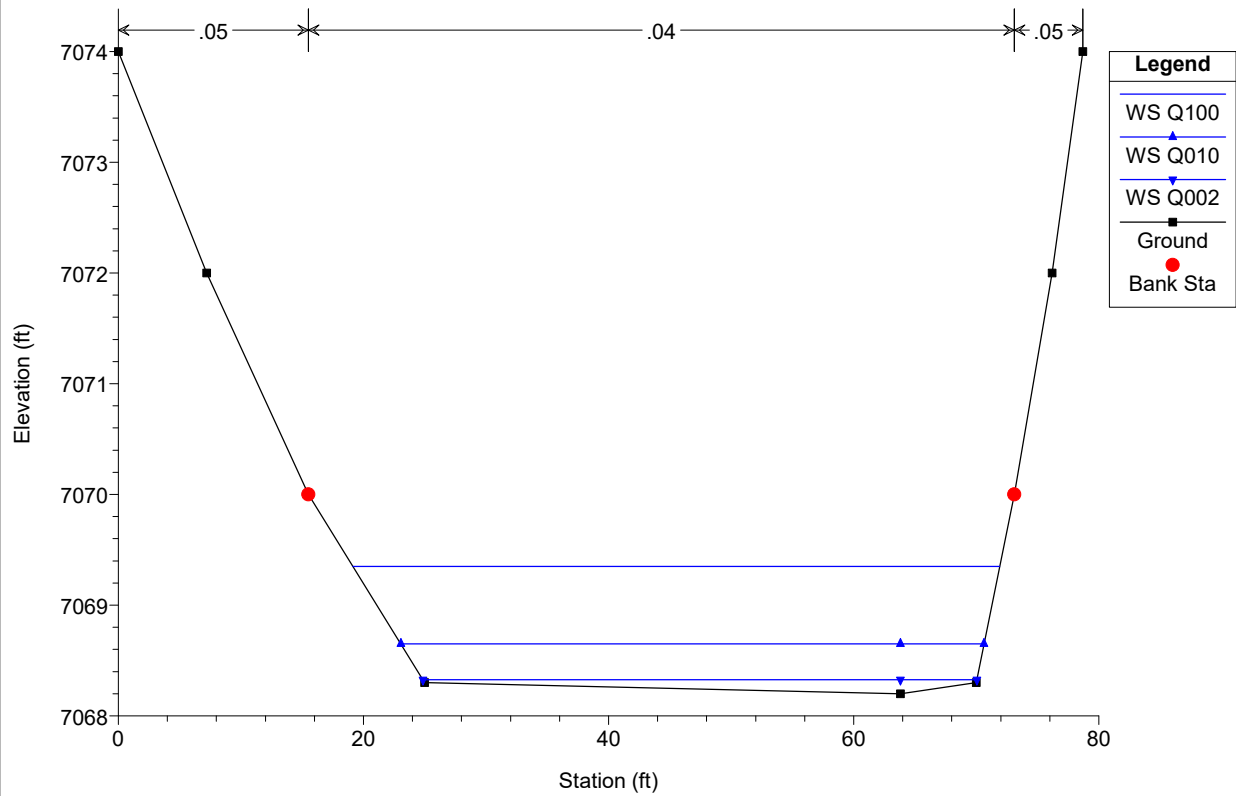
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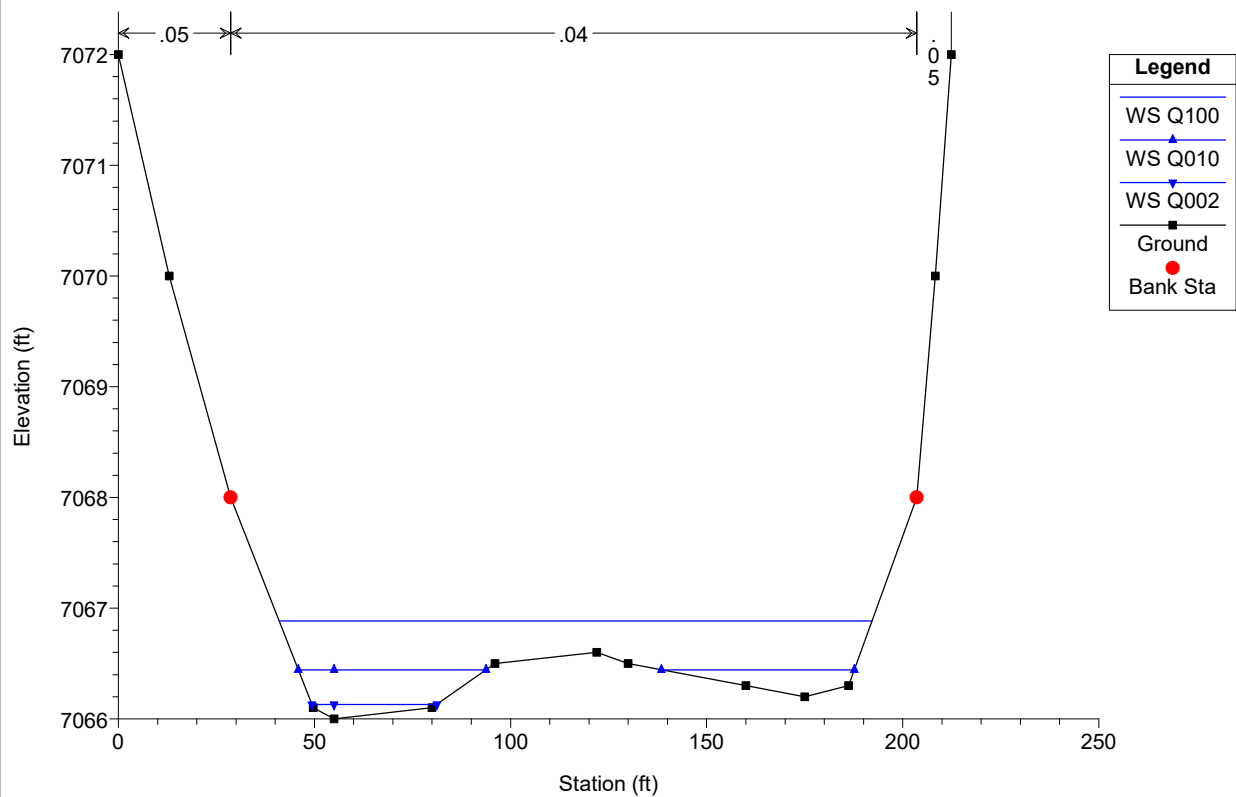
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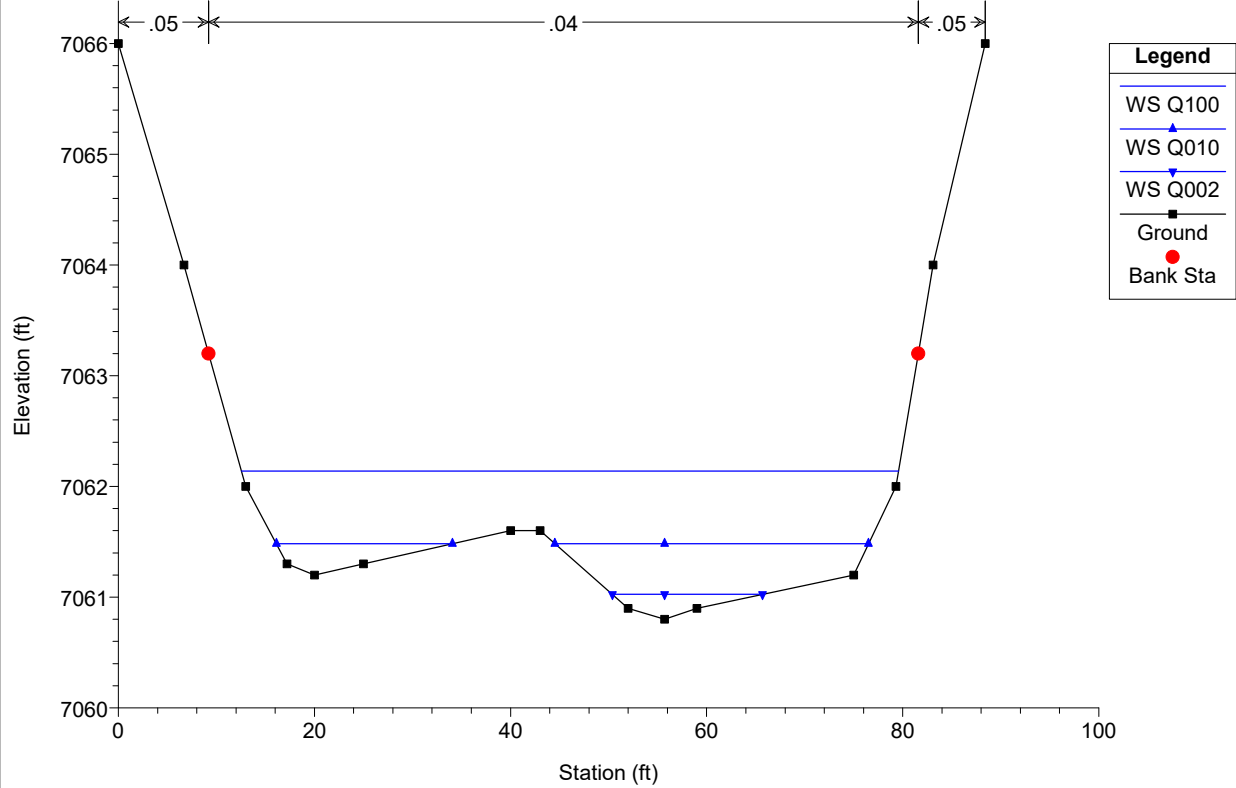
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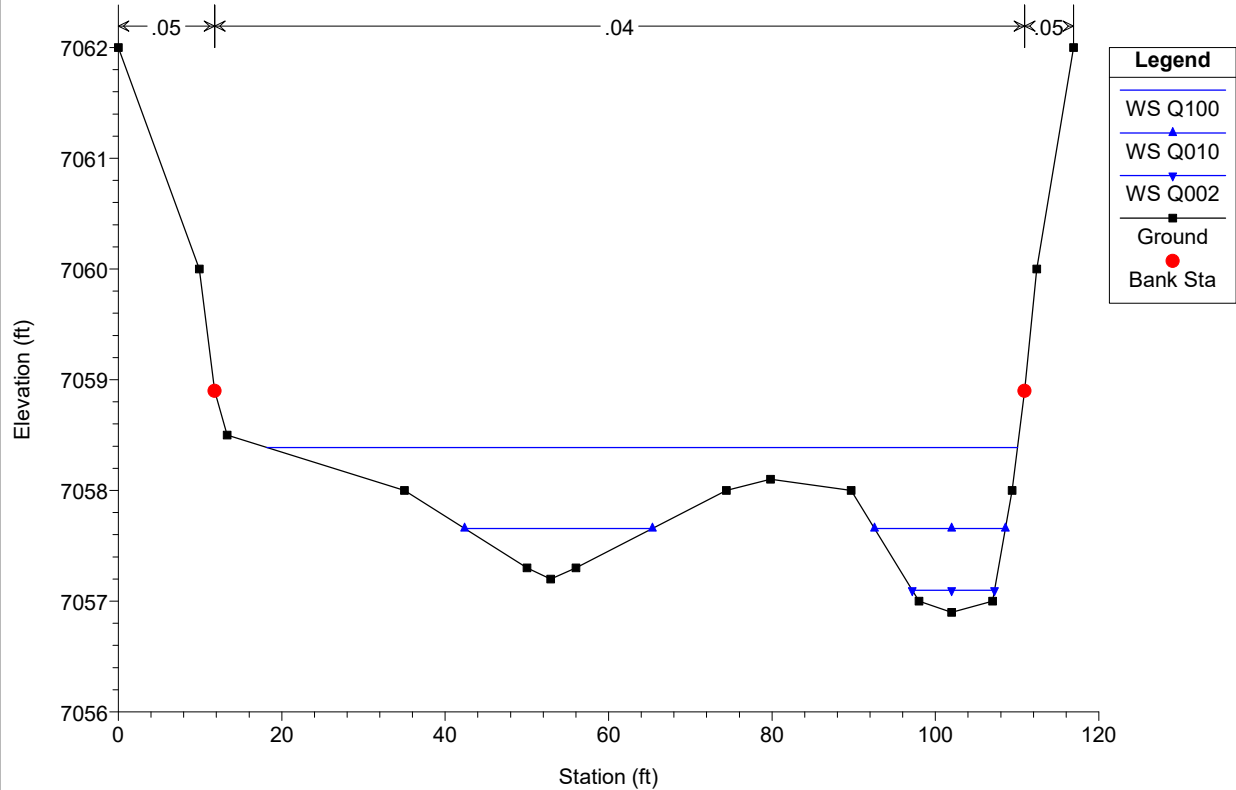
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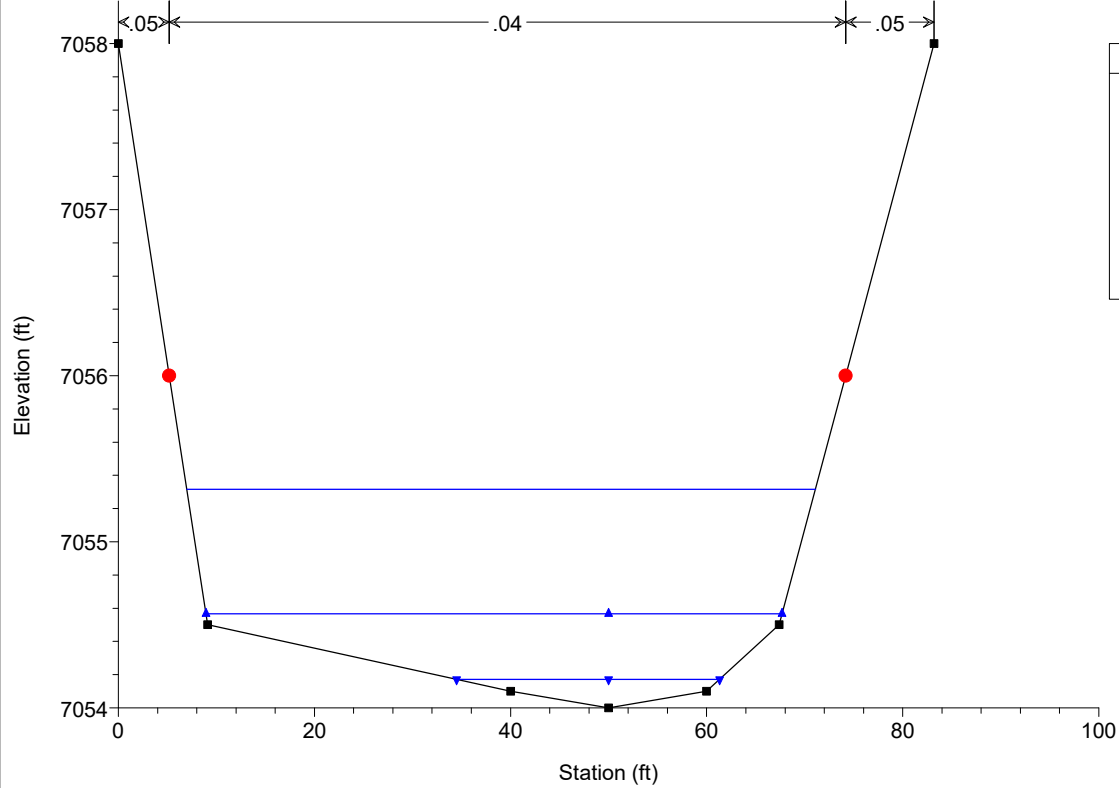
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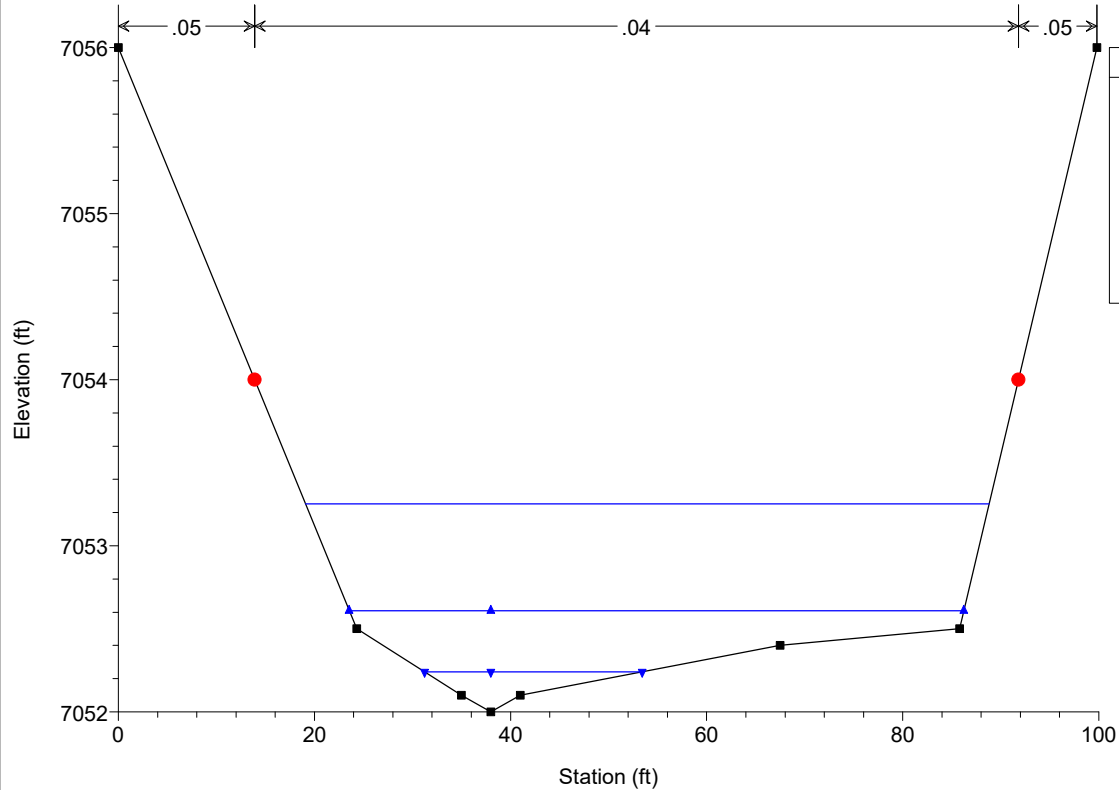
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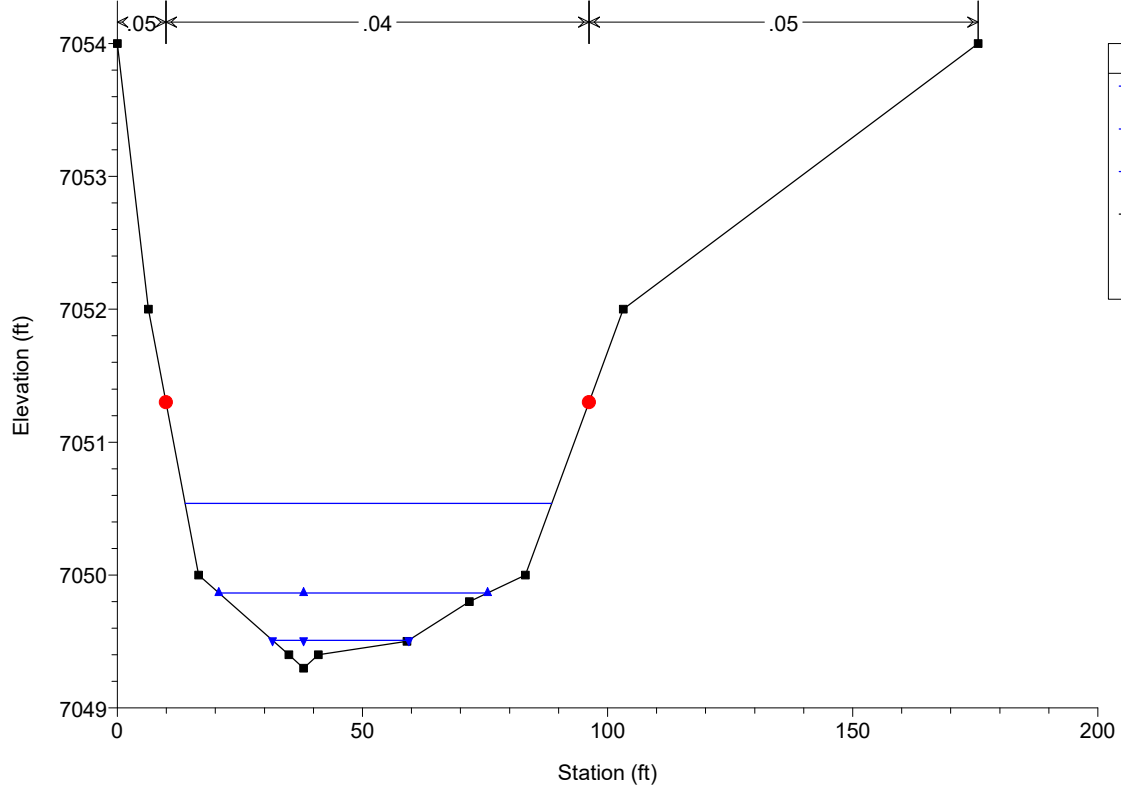
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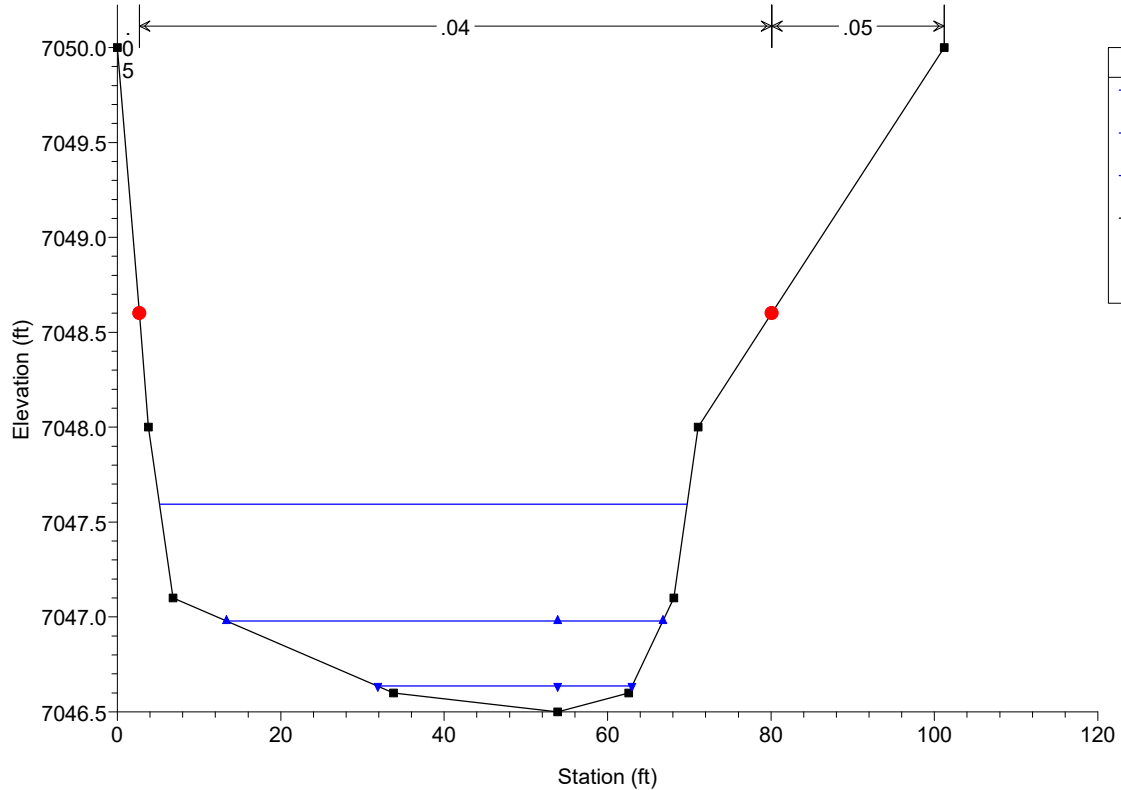
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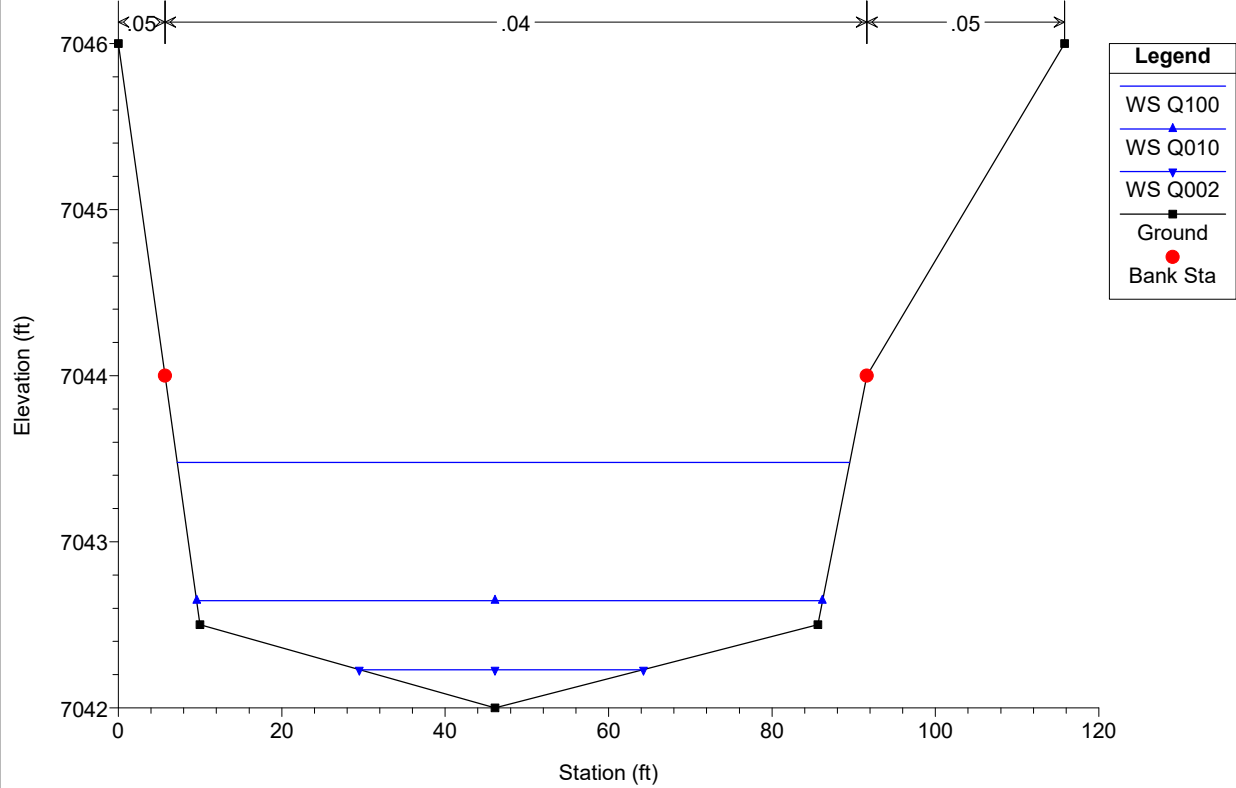
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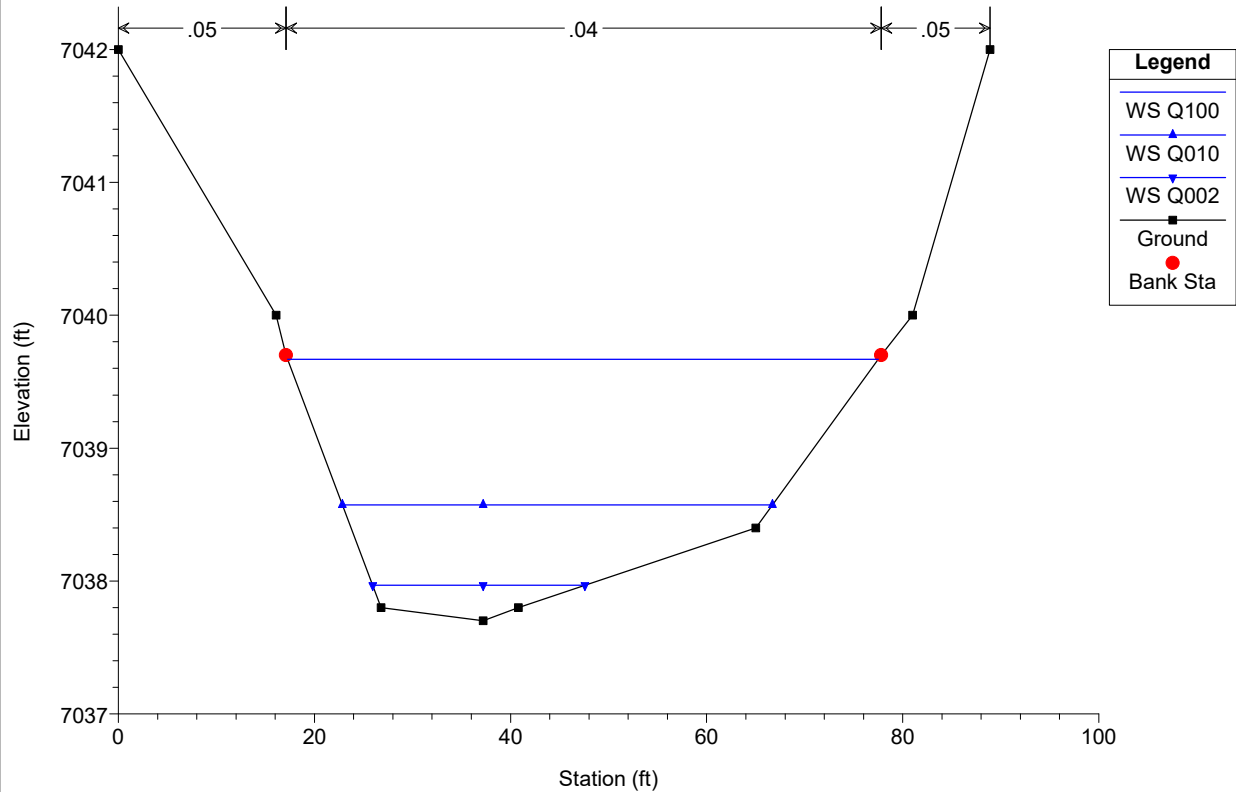
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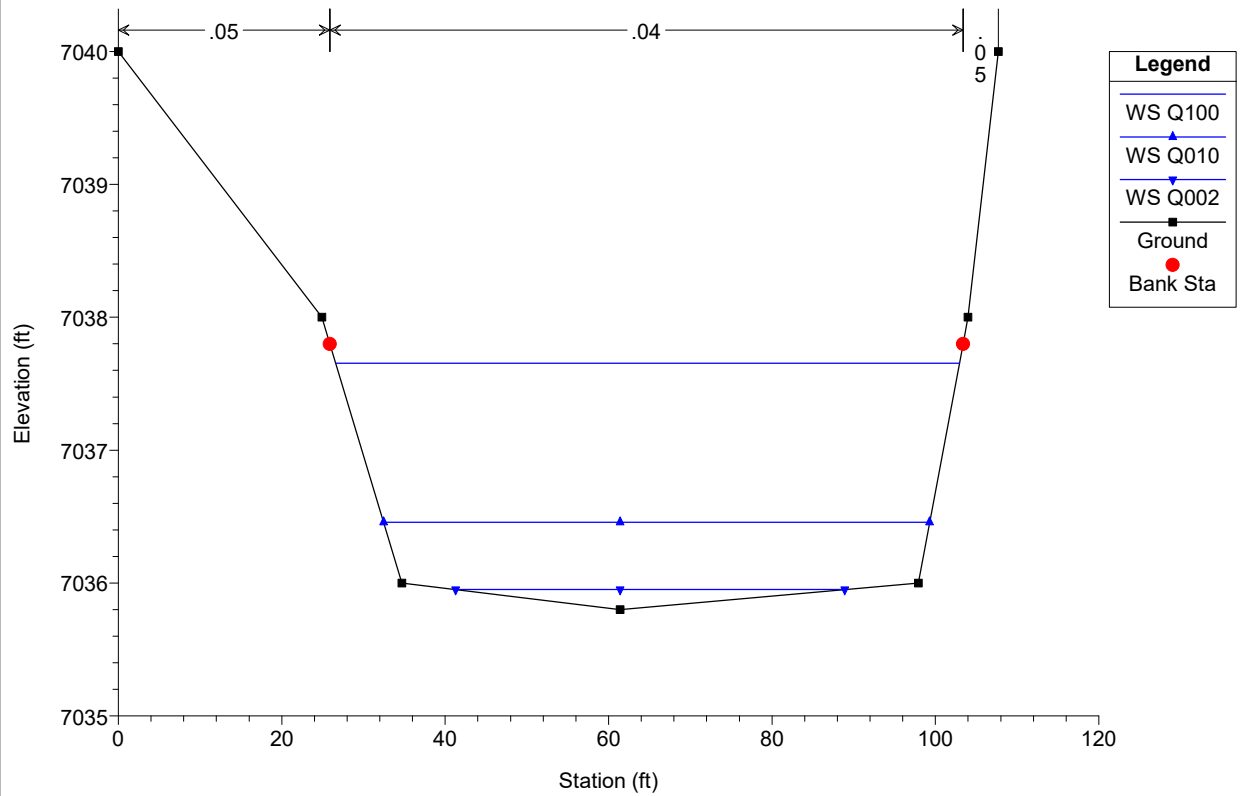
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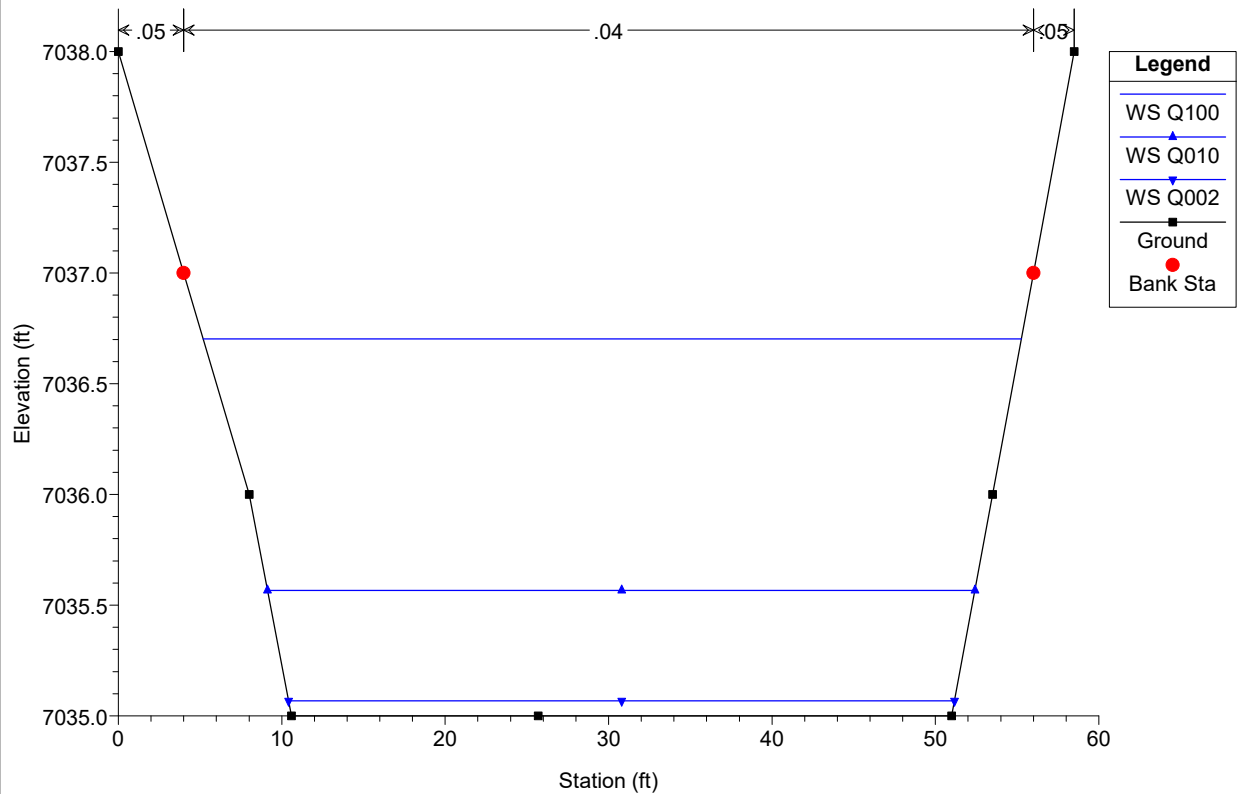
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POND_F-G_HISTORIC-100-YR Plan: Plan 08 4/28/2020



POND_F-G_HISTORIC-100-YR Plan: Plan 08 4/28/2020



Appendix F – Regional Water Quality Analysis

Several Regional Detention Facilities are located within the Meridian Ranch, all the detention facilities have Water Quality Capture Volume incorporated into the design and construction. The facilities are owned and maintained by the Meridian Service Metropolitan District under the jurisdiction and authority of El Paso County. The design and construction of the facilities meet the minimum standards of the County as outlined in the Drainage Criteria Manual and Engineering Criteria Manual. The WQCV found in each of the detention facilities was designed to provide water quality for 100 percent of the tributary area for the facility. Regional Facilities are designed and are intended as flood control and water quality as the primary use.

Below is the governing section from the ECM regarding the use of regional detention facilities with a WQCV component for reference:

Appendix I Stormwater Quality Policy and Procedures-revisions
I.7.1.C.5.

Applicable Development Site Draining to a Regional WQCV Facility The regional WQCV facility is designed to accept drainage from the Applicable development site. Stormwater from the site may discharge to a water of the state before being discharged to the regional WQCV facility. Before discharging to a water of the state, at least 20 percent of the upstream imperviousness of the applicable development site must be disconnected from the storm drainage system and drain through a receiving pervious area control measure comprising a footprint of at least 10 percent of the upstream disconnected impervious area of the applicable development site. The control measure must be designed in accordance with a design manual identified by the permittee. In addition, The stream channel between the discharge point of the applicable development site and the regional WQCV facility must be stabilized. The regional WQCV facility must meet the following requirements:

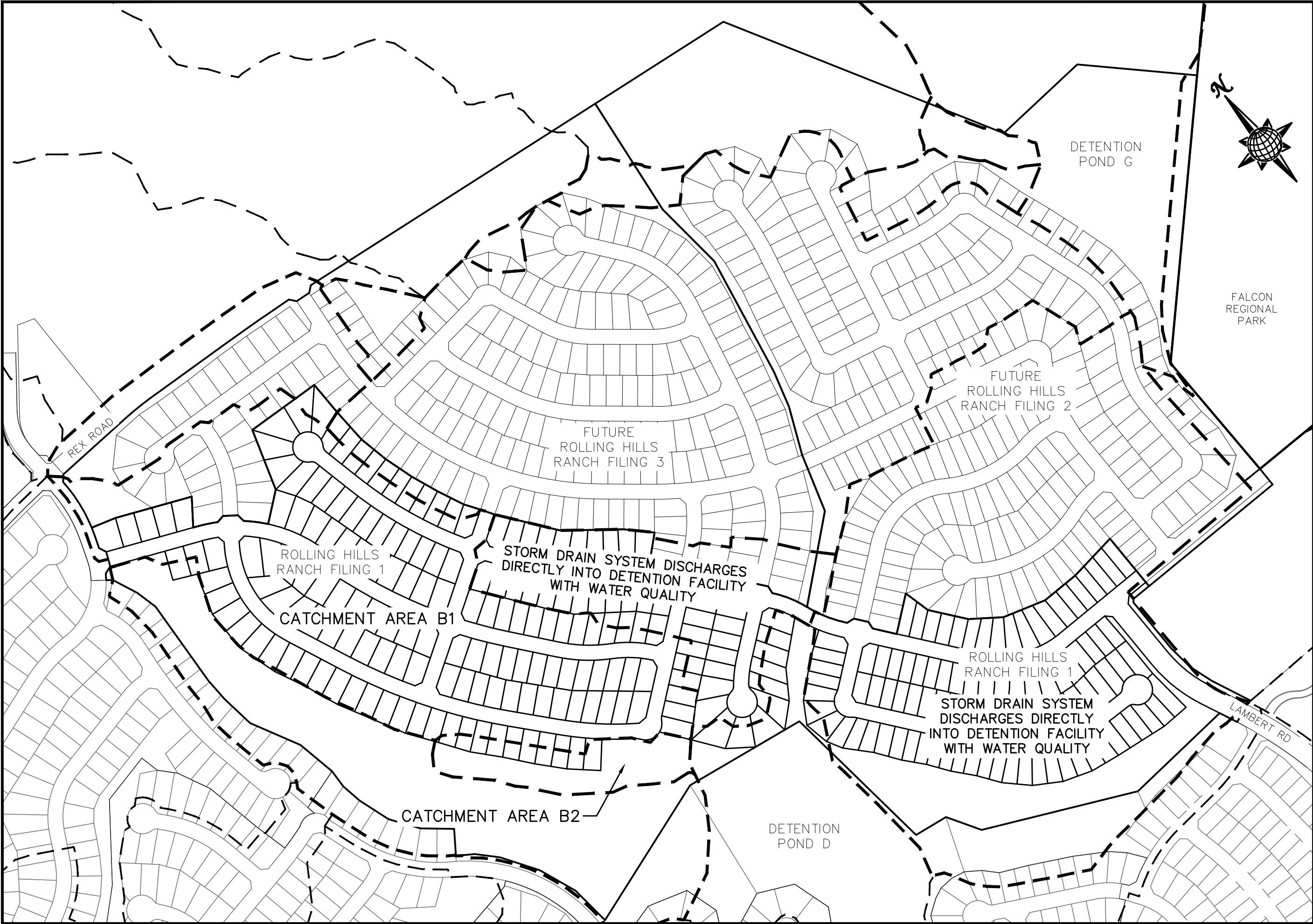
- a. The regional WQCV facility must be implemented, functional, and maintained following good engineering, hydrologic and pollution control practices.
- b. The regional WQCV facility must be designed and maintained for 100% WQCV for its entire drainage area.
- c. The regional WQCV facility must have capacity to accommodate the drainage from the applicable development site.
- d. The regional WQCV facility must be designed and built to comply with all assumptions for the development activities planned by the County within its drainage area, including the imperviousness of its drainage area and the applicable development site.
- e. Evaluation of the minimum drain time shall be based on the pollutant removal mechanism and functionality of the facility. Consideration of drain time shall include maintaining vegetation necessary for operation of the facility (e.g., wetland vegetation).
- f. The County shall require site plans and perform a site plan review consistent with the requirements of this ECM to ensure the regional WQCV facility and control measures for the applicable development site plans include:
 - i. Design details for all structural control measures implemented to meet the requirements of Part I.E.4.
 - ii. A narrative reference for all non-structural control measures for the site, if applicable. "Non-structural control measures" are control measures that are not

structural control measures and include, but are not limited to, control measures that prevent or reduce pollutants being introduced to water or that prevent or reduce the generation of runoff or illicit discharges.

- iii. Documentation of operation and maintenance procedures to ensure the long-term observation, maintenance, and operation of the control measures. The documentation shall include frequencies for routine inspections and maintenance activities.
- iv. Documentation regarding easements or other legal means for access of the control measure sites for operation, maintenance, and inspection of control measures.
- v. Confirmation that control measures meet the requirements of section I.7.C.
- vi. Confirmation that site plans meet the requirements of County's Site plan review and approval requirements.
- g. The regional WQCV facility must be subject to the County's authority consistent with requirements and actions for a Control Measure in accordance with a base design standard.
- h. Regional Facilities must be designed and implemented with flood control or water quality as the primary use. Recreational ponds and reservoirs may not be considered Regional Facilities. Water bodies listed by name in surface water quality classifications and standards regulations (5CCR1002-32 through 5CCR1002-38) may not be considered regional facilities.

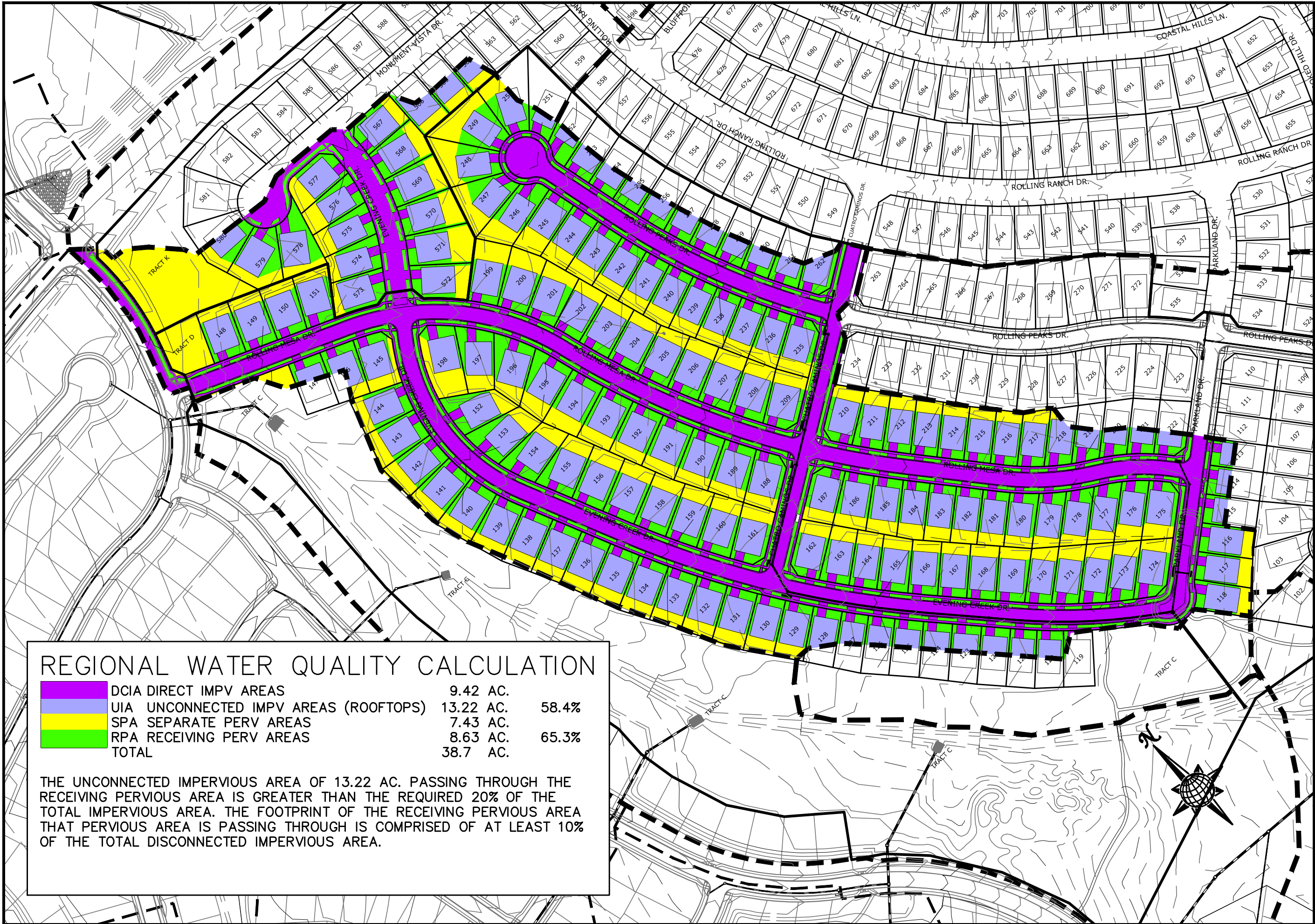
See the exhibits on the following pages for impacted areas, calculations and more information.

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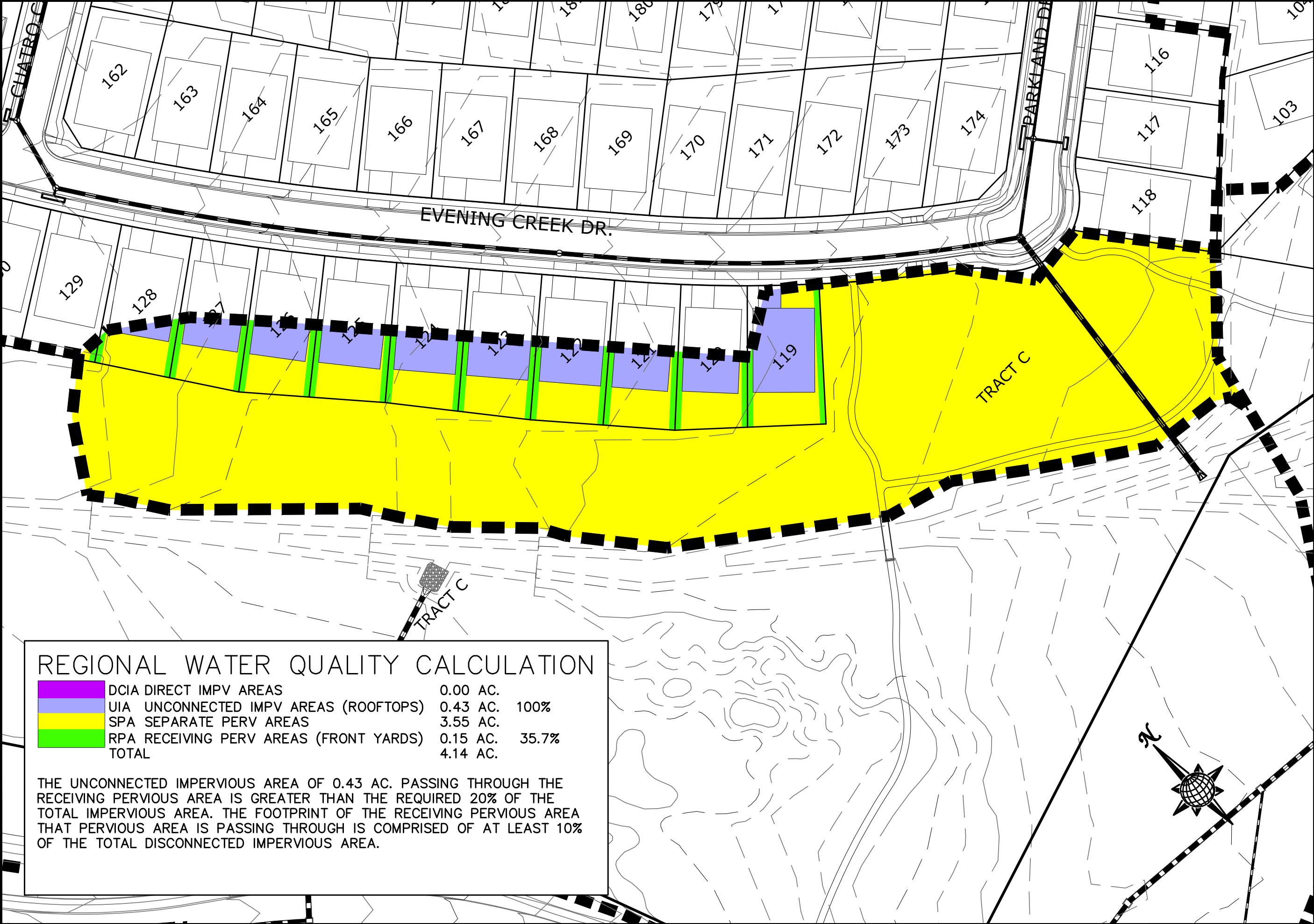
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TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.3349	
REGIONAL WATER QUALITY CATCHMENT AREA B1 ROLLING HILLS RANCH FILING 1	
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Sheet Number 2	Checked by Date APR 2020

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REGIONAL WATER QUALITY CALCULATION

DCIA DIRECT IMPV AREAS	0.00 AC.	
UIA UNCONNECTED IMPV AREAS (ROOFTOPS)	0.43 AC.	100%
SPA SEPARATE PERV AREAS	3.55 AC.	
RPA RECEIVING PERV AREAS (FRONT YARDS)	0.15 AC.	35.7%
TOTAL	4.14 AC.	

THE UNCONNECTED IMPERVIOUS AREA OF 0.43 AC. PASSING THROUGH THE RECEIVING PERVIOUS AREA IS GREATER THAN THE REQUIRED 20% OF THE TOTAL IMPERVIOUS AREA. THE FOOTPRINT OF THE RECEIVING PERVIOUS AREA THAT PERVIOUS AREA IS PASSING THROUGH IS COMPRISED OF AT LEAST 10% OF THE TOTAL DISCONNECTED IMPERVIOUS AREA.

Scale	NTS.	Drawn by	TAK
Sheet Number	3	Checked by	-
		Date	APR 2020

REGIONAL WATER QUALITY
CATCHMENT AREA B2
ROLLING HILLS RANCH FILING 1

TECH CONTRACTORS
11886 STAPLETON DRIVE
FALCON, CO 80831
TELEPHONE: 719.495.7444
FAX: 719.495.3349

Appendix G – Soil Resource Report



United States
Department of
Agriculture

NRCS

Natural
Resources
Conservation
Service

A product of the National
Cooperative Soil Survey,
a joint effort of the United
States Department of
Agriculture and other
Federal agencies, State
agencies including the
Agricultural Experiment
Stations, and local
participants

Custom Soil Resource Report for **El Paso County Area, Colorado**

ROLLING HILLS RANCH PUD



February 21, 2019

Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (<http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/>) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (<https://offices.sc.egov.usda.gov/locator/app?agency=nrcs>) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

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How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

Custom Soil Resource Report

identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.


Custom Soil Resource Report Soil Map



Custom Soil Resource Report


MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)


Soils


 Soil Map Unit Polygons


 Soil Map Unit Lines


 Soil Map Unit Points

Special Point Features

 Blowout

 Borrow Pit


 Clay Spot


 Closed Depression

 Gravel Pit

 Gravelly Spot

 Landfill

 Lava Flow

 Marsh or swamp

 Mine or Quarry

 Miscellaneous Water

 Perennial Water

 Rock Outcrop

 Saline Spot

 Sandy Spot

 Severely Eroded Spot


 Sinkhole


 Slide or Slip

 Sodic Spot


 Spoil Area

 Stony Spot


 Very Stony Spot

 Wet Spot

 Other


 Special Line Features

Water Features

 Streams and Canals


Transportation

 Rails


 Interstate Highways

 US Routes

 Major Roads

 Local Roads

Background

 Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: El Paso County Area, Colorado

Survey Area Data: Version 16, Sep 10, 2018

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jun 7, 2016—Aug 17, 2017

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
19	Columbine gravelly sandy loam, 0 to 3 percent slopes	387.7	31.2%
83	Stapleton sandy loam, 3 to 8 percent slopes	855.6	68.8%
Totals for Area of Interest		1,243.3	100.0%

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however,

onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

El Paso County Area, Colorado

19—Columbine gravelly sandy loam, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 367p
Elevation: 6,500 to 7,300 feet
Mean annual precipitation: 14 to 16 inches
Mean annual air temperature: 46 to 50 degrees F
Frost-free period: 125 to 145 days
Farmland classification: Not prime farmland

Map Unit Composition

Columbine and similar soils: 85 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Columbine

Setting

Landform: Flood plains, fan terraces, fans
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium

Typical profile

A - 0 to 14 inches: gravelly sandy loam
C - 14 to 60 inches: very gravelly loamy sand

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): High to very high (5.95 to 19.98 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: Very low (about 2.5 inches)

Interpretive groups

Land capability classification (irrigated): 4e
Land capability classification (nonirrigated): 6e
Hydrologic Soil Group: A
Ecological site: Gravelly Foothill (R049BY214CO)
Hydric soil rating: No

Minor Components

Fluvaquentic haplaquolls

Percent of map unit:
Landform: Swales
Hydric soil rating: Yes

Pleasant

Percent of map unit:

Custom Soil Resource Report

Landform: Depressions

Hydric soil rating: Yes

Other soils

Percent of map unit:

Hydric soil rating: No

83—Stapleton sandy loam, 3 to 8 percent slopes

Map Unit Setting

National map unit symbol: 369z

Elevation: 6,500 to 7,300 feet

Mean annual precipitation: 14 to 16 inches

Mean annual air temperature: 46 to 48 degrees F

Frost-free period: 125 to 145 days

Farmland classification: Not prime farmland

Map Unit Composition

Stapleton and similar soils: 80 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Stapleton

Setting

Landform: Hills

Landform position (three-dimensional): Side slope

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Sandy alluvium derived from arkose

Typical profile

A - 0 to 11 inches: sandy loam

Bw - 11 to 17 inches: gravelly sandy loam

C - 17 to 60 inches: gravelly loamy sand

Properties and qualities

Slope: 3 to 8 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Well drained

Runoff class: Low

Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Available water storage in profile: Low (about 4.7 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 3e

Hydrologic Soil Group: B

Custom Soil Resource Report

Ecological site: Gravelly Foothill (R049BY214CO)

Hydric soil rating: No

Minor Components

Pleasant

Percent of map unit:

Landform: Depressions

Hydric soil rating: Yes

Fluvaquentic haplaquolls

Percent of map unit:

Landform: Swales

Hydric soil rating: Yes

Other soils

Percent of map unit:

Hydric soil rating: No

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Custom Soil Resource Report

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Appendix H – Drainage Maps

HISTORIC CONDITIONS - SCS MAP

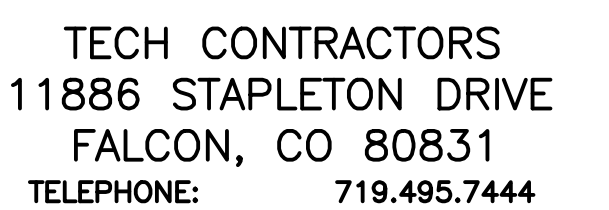
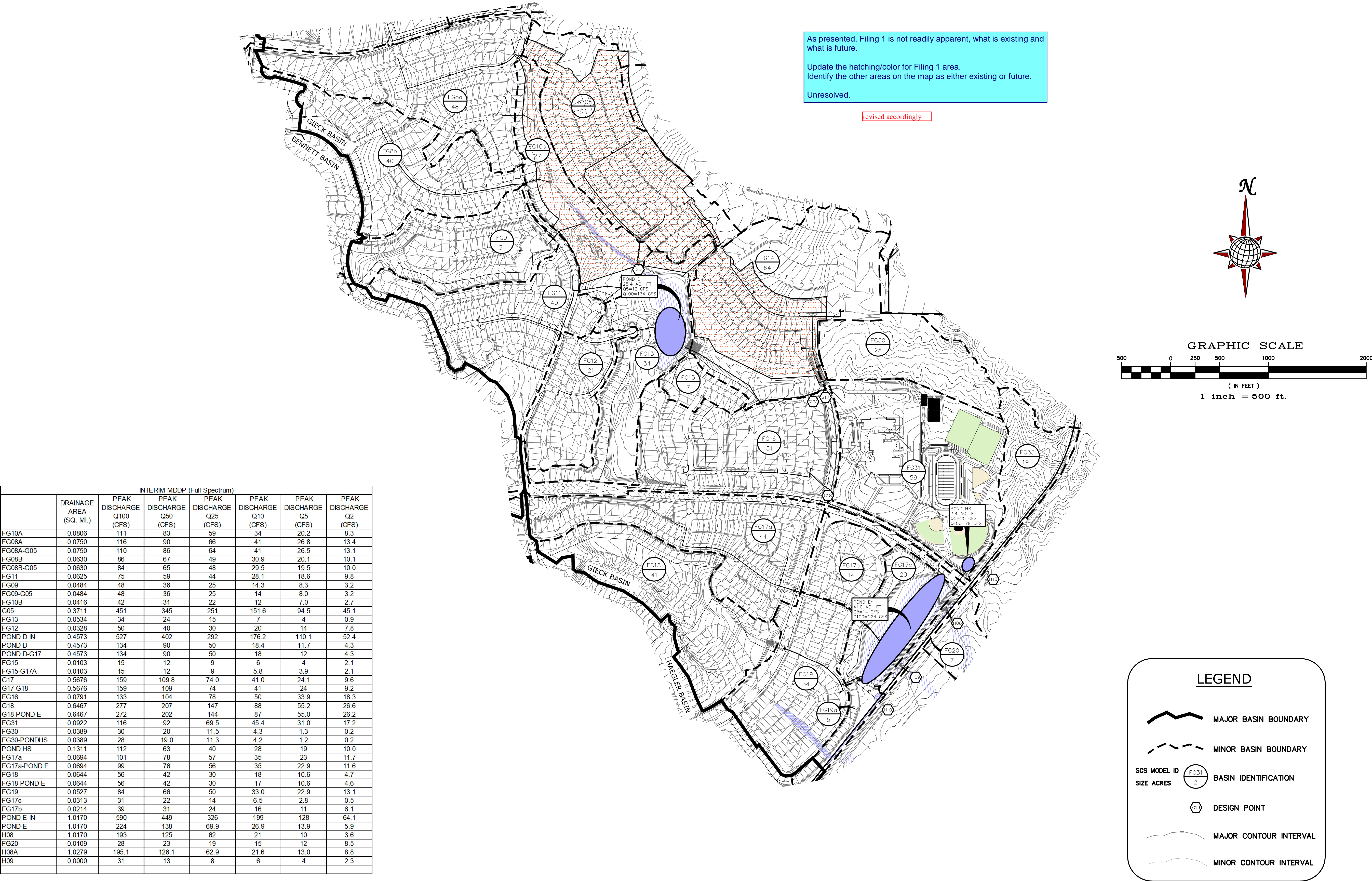


FIGURE 4

ROLLING HILL RANCH FILING 1 MERIDIAN RANCH

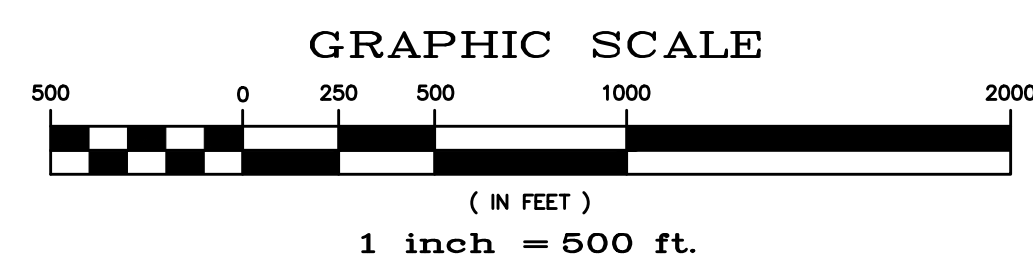


*NOTE: PRELIMINARY STORAGE VOLUMES AND OUTFLOW QUANTITIES HAVE BEEN PROVIDED FOR EACH OF THE FUTURE DETENTION FACILITIES LOCATED WITHIN THE DEVELOPMENT. THE ACTUAL STORAGE VOLUMES AND DISCHARGE RATES WILL BE DETERMINED UPON A COMPLETE ANALYSIS FOR EACH DETENTION FACILITY PRIOR TO CONSTRUCTION. THE VALUES GIVEN FOR DISCHARGE AND VOLUME ARE ESTIMATES FOR PLANNING PURPOSES ONLY.

INTERIM CONDITIONS - SCS MAP

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ROLLING HILL RANCH FILING 1 MERIDIAN RANCH



FUTURE MDDP (Full Spectrum)									
	DRAINAGE AREA (SQ. MI.)	PEAK DISCHARGE Q100 (CFS)	PEAK DISCHARGE Q50 (CFS)	PEAK DISCHARGE Q25 (CFS)	PEAK DISCHARGE Q10 (CFS)	PEAK DISCHARGE Q5 (CFS)	PEAK DISCHARGE Q2 (CFS)		
OS06	0.1313	80	52	30	12	3.8	0.5		
G1a	0.1313	80	52	30	12	3.8	0.5		
G1a-G2	0.1313	79	52	30	11	3.6	0.5		
OS05	0.0578	39	26	15	5.6	1.8	0.2		
OS05-G1	0.0578	39	25	15	5.5	1.7	0.2		
FG01	0.0538	31	22	14	7.0	3.4	0.9		
FG01-G1	0.0538	31	22	14	6.9	3.4	0.9		
G1	0.1116	61	41	25	11	4.9	1.1		
G1-G2	0.1116	61	41	25	11	4.8	1.1		
FG02	0.0391	32	22	14	6.4	2.7	0.5		
G2	0.2820	167	112	67	27	10	1.9		
G2-G3	0.2820	163	109	66	27	10	1.9		
FG03	0.0203	24	17	12	5.9	0.8	0.8		
FG04	0.0172	22	16	11	5.8	3.1	0.9		
G3	0.3195	185	123	74	31	11	2.4		
G3-POND F	0.3195	183	121	74	31	11	2.4		
FG06	0.0608	49	34	22	10	4.6	0.9		
FG05	0.0580	45	33	23	12	6.7	2.4		
OS07a	0.0170	14	9.2	5.7	2.5	0.9	0.1		
OS07a-POND F	0.0170	13	9.0	5.7	2.4	0.9	0.1		
POND F IN	0.4553	286	194	120	52	22	4.7		
POND F	0.4553	177	121	61	17	8.1	2.3		
POND F-G7	0.4553	177	120	60	17	8.1	2.3		
FG21b	0.0170	25	20	15	9.6	6.5	3.5		
FG21a	0.0072	7.2	5.0	3.2	1.4	0.5	0.1		
FG21a-G7	0.0072	6.8	4.9	2.7	1.4	0.5	0.1		
G7	0.4795	186	126	64	18	8.8	3.6		
G7-G8	0.4795	185	126	64	18	8.8	3.5		
FG22	0.1380	102	73	47	24	12	3.3		
OS08	0.0406	35	25	16	7.7	3.4	0.7		
OS08-G8	0.0406	34	24	15	7.5	3.4	0.7		
FG23a	0.0216	21	15	10	5.2	2.7	0.8		
OS07b	0.0156	15	10	6.2	2.6	1.0	0.1		
OS07b-G7	0.0156	14	10	6.0	2.4	0.9	0.1		
G8	0.6853	291	196	95	47	24	7.4		
G8-G10	0.6853	288	186	94	46	24	7.4		
OS09	0.1527	90	62	39	18	8.2	1.9		
OS09-G10	0.1527	88	62	39	18	8.2	1.9		
FG24	0.1373	105	76	50	26	13	4.0		
G9	0.2900	180	125	81	38	17	4.4		
G9-G10	0.2900	178	125	79	37	17	4.4		
FG25b	0.0286	23	16	10	4.6	2.0	0.4		
G10	1.0139	478	307	174	80	39	12		
G10-G11	1.0139	474	305	173	80	38	12		
FG23c	0.0122	12	8.7	5.7	3.0	1.5	0.4		
G11	1.0261	479	308	176	81	39	12		
FG25	0.1086	85	64	46	27	17	7.5		
FG26	0.0863	78	58	40	22	12	4.6		
FG26-POND G	0.0863	77	57	39	22	12	4.5		
FG27	0.0500	52	40	29	17	11	5.0		
FG28	0.0245	18	13	8.5	4.1	2.0	0.5		
POND G IN	1.2955	684	454	287	145	78	28		
POND G	1.2955	478	333	170	56	22	5.1		
G12	1.2955	478	333	170	56	22	5.1		
G12-G06	1.2955	478	333	170	56	22	5.1		
FG29	0.0997	60	39	23	8.7	2.8	0.4		
FG32	0.0402	72	57	44	29	20	11		
FG32-G06	0.0402	69	54	41	27	18	11		
G06	1.4354	506	352	181	61	24	11		
FG10A	0.0806	81	61	43	25	15	6.5		
FG08A	0.0750	116	80	65	41	27	13		
FG08A-G05	0.0750	110	86	64	41	27	13		
FG08B	0.0630	86	67	49	31	20	10		
FG08B-G05	0.0630	84	65	48	29	19	10		
FG11	0.0625	75	59	44	28	19	9.8		
FG09	0.0484	48	36	25	14	8.3	3.2		
FG09-G05	0.0484	48	36	25	14	8.0	3.2		
FG10B	0.0416	42	32	22	12	7.0	2.7		
G05	0.3711	433	330	239	145	93	45		
FG13	0.0534	34	24	15	7.5	3.6	0.9		
FG12	0.0328	50	40	30	20	14	7.8		
POND D IN	0.4573	509	387	280	168	107	52		
POND D	0.4573	134	91	50	19	12	4.3		
POND D-G17	0.4573	134	91	50	19	12	4.3		
FG15	0.0103	15	12	9.0	5.8	3.9	2.1		
FG15-G17A	0.0103	15	12	8.9	5.8	3.9	2.1		
G17A	0.4676	137	93	51	19	12	4.4		
FG14	0.1000	98	74	53	32	20	9.2		
G17	0.5676	196	132	75	43	25	12		
G17-G18	0.5676	196	131	75	43	25	12		
FG16	0.0791	133	104	78	50	34	16		
G18	0.6467	240	178	128	79	51	26		
G18-POND E	0.6467	240	176	126	78	50	25		
FG31	0.0922	116	92	69	45	31	17		
FG30	0.0389	73	57	44	29	20	11		
FG30-PONDHS	0.0389	70	56	42	27	18	11		
POND HS	0.1311	153	106	53	36	26	15		
FG17a	0.0694	101	78	57	35	23	12		
FG17a-POND E	0.0694	99	76	56	35	23	12		
FG18	0.0644	56	42	30	18	11	4.7		
FG18-POND E	0.0644	56	42	30	17	11	4.6		
FG19	0.0527	84	66	50	33	23	13		
FG17b	0.0313	31	22	14	6.5	2.8	0.5		
FG17b	0.0214	39	24	16	11	6.1	6.1		
POND E IN	1.0170	610	432	318	197	126	64		
POND E	1.0170	242	153	80	30	16	6.6		
H08	1.0170	205	137	72	24	12	4.1		
H09	0.0000	37	16	8.3	5.9	4.1	2.4		
FG34	0.0600	34	23	13	5.5	2.0	0.3		
G14	0.0600	34	23	13	5.5	2.0	0.3		
G14-G15	0.0600	34	23	13	5.4	2.0	0.3		
FG35	0.0344	20	13	8.3	3.5	1.5	0.3		
G15	0.0944	53	36	21	8.7	3.3	0.6		
G15-G08	0.0944	52	35	21	8.7	3.3	0.6		
FG37	0.0797	41	27	16	6.0	2.0	0.3		
FG36	0.0281	14	9.4	5.5	2.1	0.7	0.1		
FG36-G08	0.0281	14	9.3	5.4	2.1	0.7	0.1		
G08	0.2022	106	69	41	16	5.8	1.0		

As presented, Filing 1 is not readily apparent, what is existing and what is future.

Update the hatching/color for Filing 1 area. Identify the other areas on the map as either existing or future.

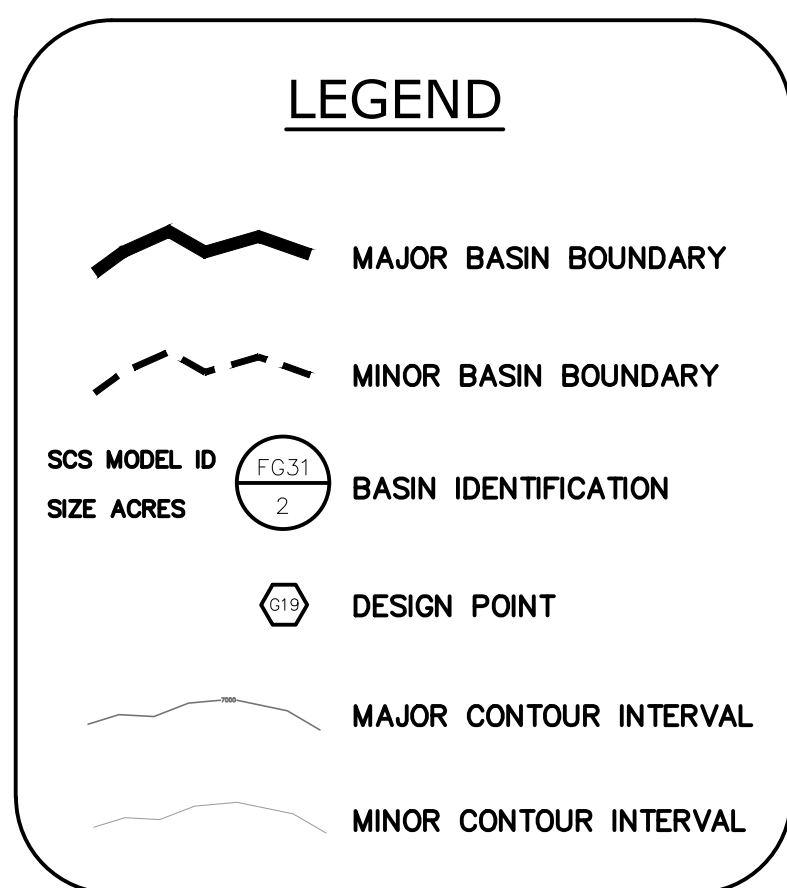
Unresolved.

revised accordingly

Update to "future build-out condition" to be consistent with the description on page 7.

Unresolved.

revised



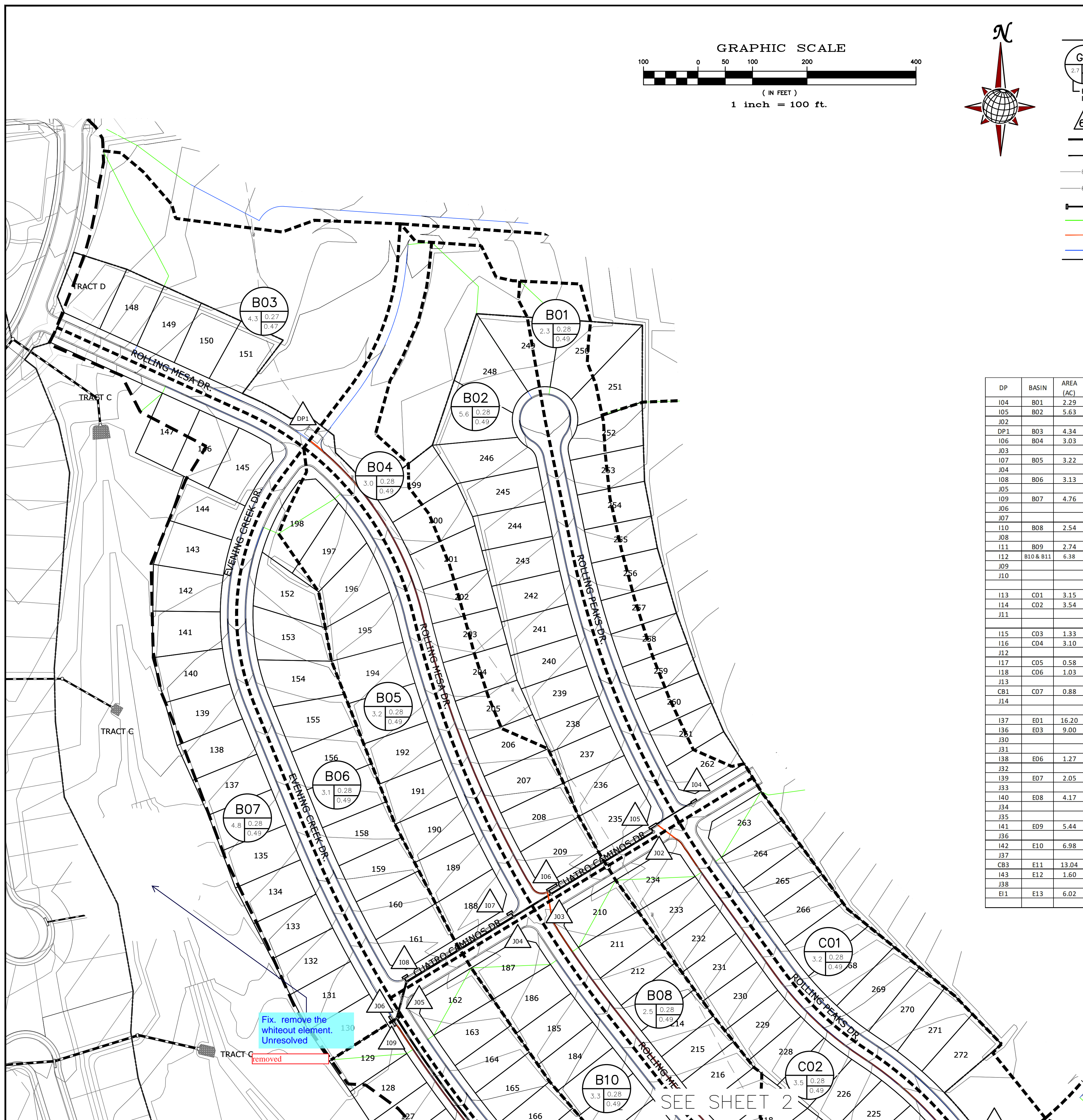
*NOTE: PRELIMINARY STORAGE VOLUMES AND OUTFLOW QUANTITIES HAVE BEEN PROVIDED FOR EACH OF THE FUTURE DETENTION FACILITIES LOCATED WITHIN THE DEVELOPMENT. THE ACTUAL STORAGE VOLUMES AND DISCHARGE RATES WILL BE DETERMINED UPON A COMPLETE ANALYSIS FOR EACH DETENTION FACILITY PRIOR TO CONSTRUCTION. THE VALUES GIVEN FOR DISCHARGE AND VOLUME ARE ESTIMATES FOR PLANNING PURPOSES ONLY.

DEVELOPED CONDITIONS - SCS MAP

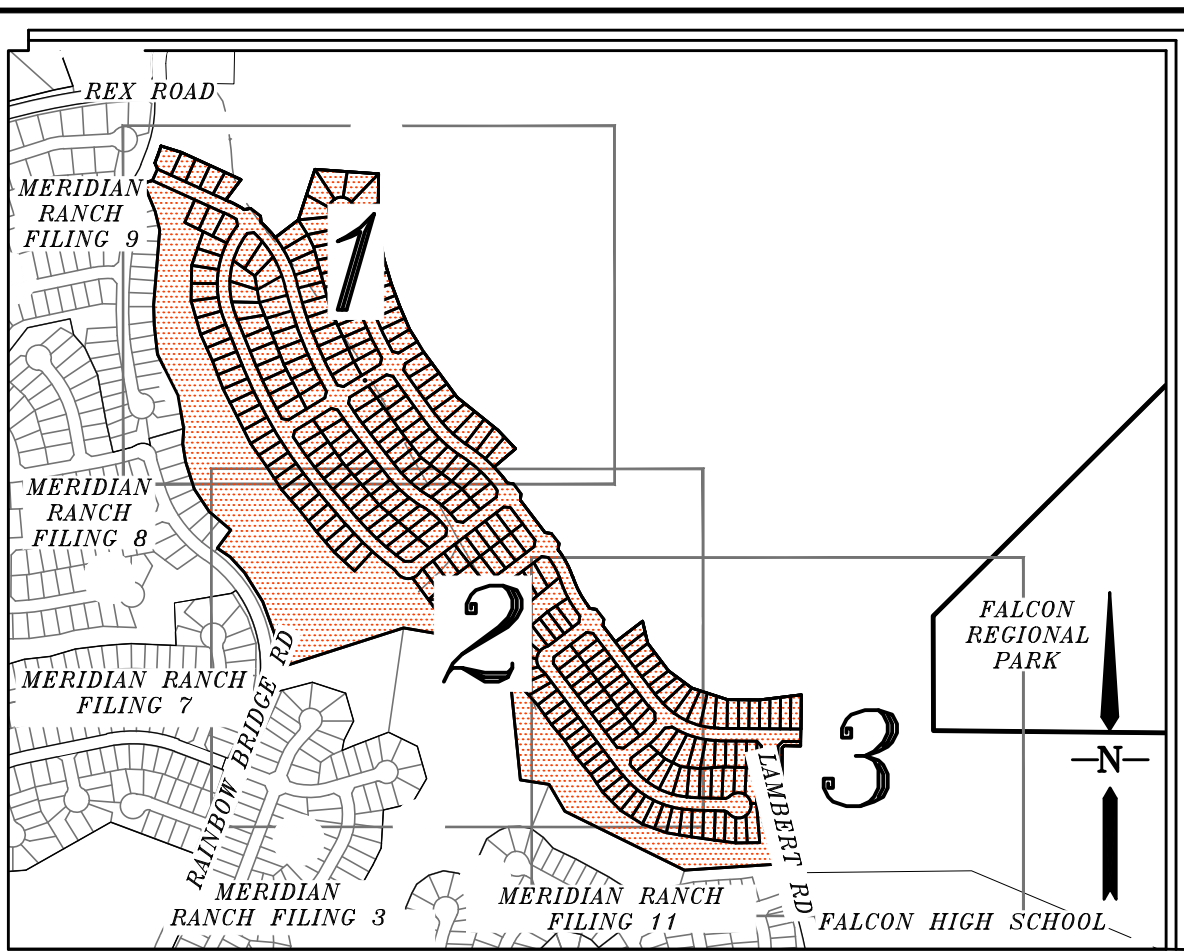
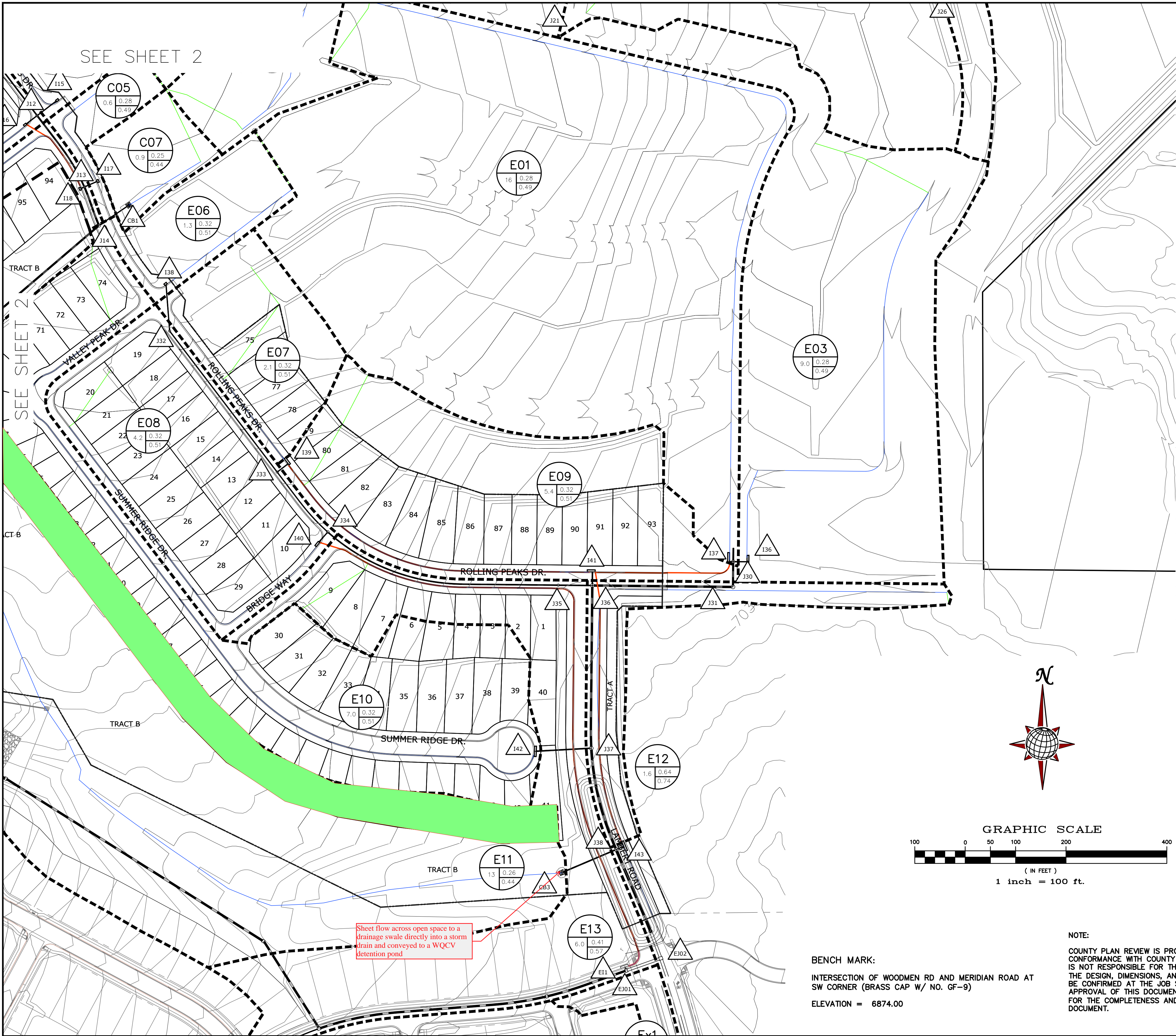
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FALCON, CO 80831
TELEPHONE: 719.495.7444

OCT 2019


FIGURE 5



S:\architect\Rolling Hills Flng 1\DWG\Plan Sheet Drainage Map\FDR\Rolling Hills Ranch Filing 1 FDR - RATIONAL MAP.dwg, 10/8/2019 3:45:36 PM



DP	BASIN	AREA (AC)	Q(5) (CFS)	Q(100) (CFS)	INLET	Q(5) (CFS)	Q(100) (CFS)	PIPE
I04	B01	2.29	2.2	6.4	PR 10" FORCED SUMP	2.2	6.4	18" RCP
I05	B02	5.63	5.2	15	PR 15" FORCED SUMP	7.3	20	24" RCP
J02						7.3	20	24" RCP
DP1	B03	4.34	4.2	12				
I06	B04	3.03	6.2	18	PR 20" FORCED SUMP	6.2	17	18" RCP
J03						13	36	30" RCP
I07	B05	3.22	3.1	9.1	PR 10" FORCED SUMP	3.1	9.1	18" RCP
I04						16	44	36" RCP
I08	B06	3.13	3.3	9.9	PR 10" FORCED SUMP	3.3	9.9	18" RCP
J05						18	51	36" RCP
I09	B07	4.76	4.3	13	PR 20" FLOW-BY	3.7	9.2	18" RCP
J06						22	59	36" RCP
J07						21	58	36" RCP
I10	B08	2.54	2.5	7.6	PR 10" FORCED SUMP	2.5	7.6	18" RCP
J08						2.5	7.5	18" RCP
I11	B09	2.74	2.6	7.7	PR 10" SUMP	2.6	7.7	18" RCP
I12	B10 & B11	6.38	8.5	27	PR 20" SUMP	5.4	15	18" RCP
J09						9.8	31	24" RCP
J10						30	85	42" RCP
I13	C01	3.15	3.1	9.0	PR 10" FORCED SUMP	3.1	9.0	24" RCP
I14	C02	3.54	3.4	10	PR 15" FORCED SUMP	3.4	10	24" RCP
J11						6.0	18	24" RCP
I15	C03	1.33	1.4	4.0	PR 5" FORCED SUMP	1.4	4.0	18" RCP
I16	C04	3.10	3.2	9.4	PR 5" FORCED SUMP	3.2	6.3	18" RCP
J12						9.5	26	30" RCP
I17	C05	0.58	0.6	1.8	PR 5" SUMP	0.6	1.8	18" RCP
I18	C06	1.03	1.0	6.0	PR 5" SUMP	1.0	6.0	18" RCP
J13						11	32	36" RCP
CB1	C07	0.88	0.9	2.5	PR Type C	0.9	2.5	18" RCP
J14						11	34	36" RCP
I37	E01	16.20	9.9	33	PR 20" FORCED SUMP	9.9	33	18" RCP
I36	E03	9.00	6.0	20	PR 15" FORCED SUMP	6.0	20	18" RCP
J30						15	51	36" RCP
J31						15	51	36" RCP
I38	E06	1.27	1.6	4.2	PR 5" FORCED SUMP	1.6	4.2	18" RCP
J32						1.5	4.1	18" RCP
I39	E07	2.05	2.5	6.7	PR 15" FLOW-BY	2.0	4.5	18" RCP
J33						3.5	8.5	18" RCP
I40	E08	4.17	4.8	13	PR 10" FORCED SUMP	4.8	9.9	18" RCP
J34						8.0	18	24" RCP
J35						8.0	18	24" RCP
I41	E09	5.44	6.2	19	PR 15" FORCED SUMP	6.2	14	24" RCP
J36						27	78	42" RCP
I42	E10	6.98	7.0	19	PR 20" SUMP	7.0	19	24" RCP
J37						34	95	48" RCP
CB3	E11	13.04	6.3	18	PR Type C	6.3	18	18" RCP
I43	E12	1.60	3.6	10.8	PR 20" FLOW-BY	3.2	8.0	18" RCP
J38						49	135	54" RCP
E11	E13	6.02	8.2	19	EX 15" FORCED SUMP	8.2	13	18" RCP

Scale	1" = 100'	Drawn by	RATIONAL DRAINAGE MAP FINAL DRAINAGE REPORT ROLLING HILLS RANCH FILING 1	 MERIDIAN RANCH	TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.3349																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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GRAPHIC SCALE

(IN FEET)

1 inch = 100 ft.

