



Falcon Highlands South

Preliminary Drainage Report

Owner/Developer

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Engineer

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Lakewood, CO 80228
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Atwell Project Number

21005234

Submitted by: Atwell, LLC

October 30, 2023

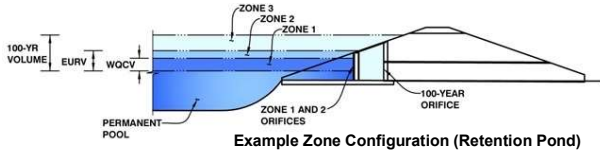
PUDSP-22-005

Provide the missing pages of the MHFD spreadsheet.

DETENTION BASIN OUTLET STRUCTURE DESIGN

MHFD-Detention, Version 4.04 (February 2021)

Project: **FALCON HIGHLANDS FILING NO. 3**
 Basin ID: **DETENTION POND 1 (BASINS B, OS-1, OS-2, OS-4, OS-5)**



Example Zone Configuration (Retention Pond)

	Estimated Stage (ft)	Estimated Volume (ac-ft)	Outlet Type
Zone 1 (WQCV)	4.15	1.805	Orifice Plate
Zone 2 (EURV)	6.18	3.538	Orifice Plate
Zone 3 (100-year)	7.50	3.615	Weir&Pipe (Restrict)
Total (all zones)		8.958	

User Input: Orifice at Underdrain Outlet (typically used to drain WQCV in a Filtration BMP)

Underdrain Orifice Invert Depth =	<input type="text" value="0.00"/>	ft (distance below the filtration media surface)	Underdrain Orifice Area =	<input type="text" value="5.056E-02"/>	ft ²
Underdrain Orifice Diameter =	<input type="text" value="7.28"/>	inches	Underdrain Orifice Centroid =	<input type="text" value="N/A"/>	feet

User Input: Orifice Plate with one or more orifices or Elliptical Slot Weir (typically used to drain WQCV and/or EURV in a sedimentation BMP)

Invert of Lowest Orifice =	<input type="text" value="0.00"/>	ft (relative to basin bottom at Stage = 0 ft)	WQ Orifice Area per Row =	<input type="text" value="5.056E-02"/>	ft ²
Depth at top of Zone using Orifice Plate =	<input type="text" value="6.18"/>	ft (relative to basin bottom at Stage = 0 ft)	Elliptical Half-Width =	<input type="text" value="N/A"/>	feet
Orifice Plate: Orifice Vertical Spacing =	<input type="text" value="24.00"/>	inches	Elliptical Slot Centroid =	<input type="text" value="N/A"/>	feet
Orifice Plate: Orifice Area per Row =	<input type="text" value="7.28"/>	sq. inches (use rectangular openings)	Elliptical Slot Area =	<input type="text" value="N/A"/>	ft ²

User Input: Stage and Total Area of Each Orifice Row (numbered from lowest to highest)

	Row 1 (required)	Row 2 (optional)	Row 3 (optional)	Row 4 (optional)	Row 5 (optional)	Row 6 (optional)	Row 7 (optional)	Row 8 (optional)
Stage of Orifice Centroid (ft)	0.00	2.00	4.00	6.00				
Orifice Area (sq. inches)	7.28	7.28	7.28	7.28				

	Row 9 (optional)	Row 10 (optional)	Row 11 (optional)	Row 12 (optional)	Row 13 (optional)	Row 14 (optional)	Row 15 (optional)	Row 16 (optional)
Stage of Orifice Centroid (ft)								
Orifice Area (sq. inches)								

User Input: Vertical Orifice (Circular or Rectangular)

	<input type="text" value="Not Selected"/>	<input type="text" value="Not Selected"/>		<input type="text" value="Not Selected"/>	<input type="text" value="Not Selected"/>
Invert of Vertical Orifice =	<input type="text" value="N/A"/>	<input type="text" value="N/A"/>	ft (relative to basin bottom at Stage = 0 ft)	Vertical Orifice Area =	<input type="text" value="N/A"/>
Depth at top of Zone using Vertical Orifice =	<input type="text" value="N/A"/>	<input type="text" value="N/A"/>	ft (relative to basin bottom at Stage = 0 ft)	Vertical Orifice Centroid =	<input type="text" value="N/A"/>
Vertical Orifice Diameter =	<input type="text" value="N/A"/>	<input type="text" value="N/A"/>	inches		

User Input: Overflow Weir (Dropbox with Flat or Sloped Grate and Outlet Pipe OR Rectangular/Trapezoidal Weir (and No Outlet Pipe)

	<input type="text" value="Zone 3 Weir"/>	<input type="text" value="Not Selected"/>		<input type="text" value="Zone 3 Weir"/>	<input type="text" value="Not Selected"/>
Overflow Weir Front Edge Height, Ho =	<input type="text" value="6.00"/>	<input type="text" value="N/A"/>	ft (relative to basin bottom at Stage = 0 ft)	Height of Grate Upper Edge, H _g =	<input type="text" value="6.00"/>
Overflow Weir Front Edge Length =	<input type="text" value="4.67"/>	<input type="text" value="N/A"/>	feet	Overflow Weir Slope Length =	<input type="text" value="3.50"/>
Overflow Weir Grate Slope =	<input type="text" value="0.00"/>	<input type="text" value="N/A"/>	H:V	Grate Open Area / 100-yr Orifice Area =	<input type="text" value="29.71"/>
Horiz. Length of Weir Sides =	<input type="text" value="3.50"/>	<input type="text" value="N/A"/>	feet	Overflow Grate Open Area w/o Debris =	<input type="text" value="11.38"/>
Overflow Grate Type =	<input type="text" value="Type C Grate"/>	<input type="text" value="N/A"/>		Overflow Grate Open Area w/ Debris =	<input type="text" value="5.69"/>
Debris Clogging % =	<input type="text" value="50%"/>	<input type="text" value="N/A"/>	%		

User Input: Outlet Pipe w/ Flow Restriction Plate (Circular Orifice, Restrictor Plate, or Rectangular Orifice)

	<input type="text" value="Zone 3 Restrictor"/>	<input type="text" value="Not Selected"/>		<input type="text" value="Zone 3 Restrictor"/>	<input type="text" value="Not Selected"/>
Depth to Invert of Outlet Pipe =	<input type="text" value="1.00"/>	<input type="text" value="N/A"/>	ft (distance below basin bottom at Stage = 0 ft)	Outlet Orifice Area =	<input type="text" value="0.38"/>
Outlet Pipe Diameter =	<input type="text" value="42.00"/>	<input type="text" value="N/A"/>	inches	Outlet Orifice Centroid =	<input type="text" value="0.17"/>
Restrictor Plate Height Above Pipe Invert =	<input type="text" value="3.50"/>	<input type="text" value="N/A"/>	inches	Half-Central Angle of Restrictor Plate on Pipe =	<input type="text" value="0.59"/>

User Input: Emergency Spillway (Rectangular or Trapezoidal)

Spillway Invert Stage =	<input type="text" value="9.00"/>	ft (relative to basin bottom at Stage = 0 ft)	Spillway Design Flow Depth =	<input type="text" value="1.38"/>	feet
Spillway Crest Length =	<input type="text" value="60.00"/>	feet	Stage at Top of Freeboard =	<input type="text" value="10.38"/>	feet
Spillway End Slopes =	<input type="text" value="5.00"/>	H:V	Basin Area at Top of Freeboard =	<input type="text" value="4.07"/>	acres
Freeboard above Max Water Surface =	<input type="text" value="0.00"/>	feet	Basin Volume at Top of Freeboard =	<input type="text" value="16.07"/>	acre-ft

Routed Hydrograph Results

The user can override the default CUHP hydrographs and runoff volumes by entering new values in the Inflow Hydrographs table (Columns W through AF).

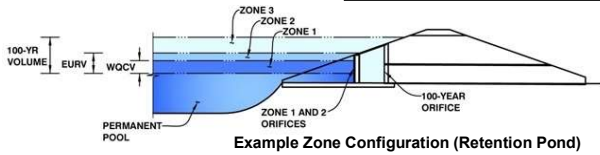
	WQCV	EURV	2 Year	5 Year	10 Year	25 Year	50 Year	100 Year	500 Year
Design Storm Return Period =									
One-Hour Rainfall Depth (in) =	N/A	N/A	1.19	1.50	1.75	2.00	2.25	2.52	3.14
CUHP Runoff Volume (acre-ft) =	1.805	5.343	3.998	5.371	6.465	8.455	10.397	12.929	18.387
Inflow Hydrograph Volume (acre-ft) =	N/A	N/A	3.998	5.371	6.465	8.455	10.397	12.929	18.387
CUHP Predevelopment Peak Q (cfs) =	N/A	N/A	1.7	3.4	4.7	40.0	79.1	127.8	228.6
OPTIONAL Override Predevelopment Peak Q (cfs) =	N/A	N/A							
Predevelopment Unit Peak Flow, q (cfs/acre) =	N/A	N/A	0.01	0.03	0.04	0.34	0.67	1.08	1.94
Peak Inflow Q (cfs) =	N/A	N/A	82.6	111.9	136.5	192.3	244.1	318.7	451.4
Peak Outflow Q (cfs) =	0.9	3.5	1.3	2.2	5.0	5.2	5.4	5.6	51.9
Ratio Peak Outflow to Predevelopment Q =	N/A	N/A	N/A	0.6	1.1	0.1	0.1	0.0	0.2
Structure Controlling Flow =	Plate	Overflow Weir 1	Plate	Overflow Weir 1	Outlet Plate 1	Outlet Plate 1	Outlet Plate 1	Outlet Plate 1	Spillway
Max Velocity through Gate 1 (fps) =	N/A	0.18	N/A	0.1	0.3	0.3	0.3	0.3	0.3
Max Velocity through Gate 2 (fps) =	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Time to Drain 97% of Inflow Volume (hours) =	38	67	58	68	69	71	73	76	77
Time to Drain 99% of Inflow Volume (hours) =	40	72	62	73	75	78	82	86	89
Maximum Ponding Depth (ft) =	4.15	6.18	5.43	6.09	6.43	7.10	7.72	8.46	9.40
Area at Maximum Ponding Depth (acres) =	1.28	2.36	1.80	2.29	2.56	2.86	3.17	3.49	4.01
Maximum Volume Stored (acre-ft) =	1.809	5.348	3.798	5.115	5.964	7.764	9.641	12.141	15.628

Provide the missing pages of the MHFD spreadsheet.

DETENTION BASIN OUTLET STRUCTURE DESIGN

MHFD-Detention, Version 4.06 (July 2022)

Project: **FALCON HIGHLANDS SOUTH**
 Basin ID: **DETENTION POND 2 - (BASINS C, OS-3, OS-6, OS-7)**



	Estimated Stage (ft)	Estimated Volume (ac-ft)	Outlet Type
Zone 1 (WQCV)	4.97	1.461	Orifice Plate
Zone 2 (EURV)	6.93	2.497	Orifice Plate
Zone 3 (100-year)	8.50	2.950	Weir&Pipe (Restrict)
Total (all zones)		6.908	

User Input: Orifice at Underdrain Outlet (typically used to drain WQCV in a Filtration BMP)

Underdrain Orifice Invert Depth =	N/A	ft (distance below the filtration media surface)	Underdrain Orifice Area =	N/A	ft ²
Underdrain Orifice Diameter =	N/A	inches	Underdrain Orifice Centroid =	N/A	feet

User Input: Orifice Plate with one or more orifices or Elliptical Slot Weir (typically used to drain WQCV and/or EURV in a sedimentation BMP)

Centroid of Lowest Orifice =	0.00	ft (relative to basin bottom at Stage = 0 ft)	WQ Orifice Area per Row =	3.458E-02	ft ²
Depth at top of Zone using Orifice Plate =	4.50	ft (relative to basin bottom at Stage = 0 ft)	Elliptical Half-Width =	N/A	feet
Orifice Plate: Orifice Vertical Spacing =	27.00	inches	Elliptical Slot Centroid =	N/A	feet
Orifice Plate: Orifice Area per Row =	4.98	sq. inches (use rectangular openings)	Elliptical Slot Area =	N/A	ft ²

User Input: Stage and Total Area of Each Orifice Row (numbered from lowest to highest)

	Row 1 (required)	Row 2 (optional)	Row 3 (optional)	Row 4 (optional)	Row 5 (optional)	Row 6 (optional)	Row 7 (optional)	Row 8 (optional)
Stage of Orifice Centroid (ft)	0.00	2.20	4.40					
Orifice Area (sq. inches)	4.98	4.98	4.98					
	Row 9 (optional)	Row 10 (optional)	Row 11 (optional)	Row 12 (optional)	Row 13 (optional)	Row 14 (optional)	Row 15 (optional)	Row 16 (optional)
Stage of Orifice Centroid (ft)								
Orifice Area (sq. inches)								

User Input: Vertical Orifice (Circular or Rectangular)

	Not Selected	Not Selected			Not Selected	Not Selected
Invert of Vertical Orifice =	N/A	N/A	ft (relative to basin bottom at Stage = 0 ft)	Vertical Orifice Area =	N/A	ft ²
Depth at top of Zone using Vertical Orifice =	N/A	N/A	ft (relative to basin bottom at Stage = 0 ft)	Vertical Orifice Centroid =	N/A	feet
Vertical Orifice Diameter =	N/A	N/A	inches			

User Input: Overflow Weir (Dropbox with Flat or Sloped Grate and Outlet Pipe OR Rectangular/Trapezoidal Weir and No Outlet Pipe)

	Zone 3 Weir	Not Selected			Zone 3 Weir	Not Selected
Overflow Weir Front Edge Height, Ho =	5.50	N/A	ft (relative to basin bottom at Stage = 0 ft)	Height of Grate Upper Edge, H _g =	5.50	N/A
Overflow Weir Front Edge Length =	4.67	N/A	feet	Overflow Weir Slope Length =	3.50	N/A
Overflow Weir Grate Slope =	0.00	N/A	H:V	Grate Open Area / 100-yr Orifice Area =	33.90	N/A
Horiz. Length of Weir Sides =	3.50	N/A	feet	Overflow Grate Open Area w/o Debris =	11.38	N/A
Overflow Grate Type =	Type C Grate	N/A		Overflow Grate Open Area w/ Debris =	5.69	N/A
Debris Clogging % =	50%	N/A	%			

User Input: Outlet Pipe w/ Flow Restriction Plate (Circular Orifice, Restrictor Plate, or Rectangular Orifice)

	Zone 3 Restrictor	Not Selected			Zone 3 Restrictor	Not Selected
Depth to Invert of Outlet Pipe =	1.00	N/A	ft (distance below basin bottom at Stage = 0 ft)	Outlet Orifice Area =	0.34	ft ²
Outlet Pipe Diameter =	42.00	N/A	inches	Outlet Orifice Centroid =	0.16	feet
Restrictor Plate Height Above Pipe Invert =	3.20		inches	Half-Central Angle of Restrictor Plate on Pipe =	0.56	radians

User Input: Emergency Spillway (Rectangular or Trapezoidal)

Spillway Invert Stage =	9.50	ft (relative to basin bottom at Stage = 0 ft)	Spillway Design Flow Depth =	1.36	feet
Spillway Crest Length =	60.00	feet	Stage at Top of Freeboard =	10.86	feet
Spillway End Slopes =	5.00	H:V	Basin Area at Top of Freeboard =	2.68	acres
Freeboard above Max Water Surface =	0.00	feet	Basin Volume at Top of Freeboard =	10.51	acre-ft

Routed Hydrograph Results

The user can override the default CUHP hydrographs and runoff volumes by entering new values in the Inflow Hydrographs table (Columns W through AF).

	WQCV	EURV	2 Year	5 Year	10 Year	25 Year	50 Year	100 Year	500 Year
Design Storm Return Period =									
One-Hour Rainfall Depth (in) =	N/A	N/A	1.19	1.50	1.75	2.00	2.25	2.52	3.14
CUHP Runoff Volume (acre-ft) =	1.461	3.958	2.782	3.770	4.562	6.235	7.830	9.935	14.450
Inflow Hydrograph Volume (acre-ft) =	N/A	N/A	2.782	3.770	4.562	6.235	7.830	9.935	14.450
CUHP Predevelopment Peak Q (cfs) =	N/A	N/A	2.4	4.4	6.3	60.6	107.6	179.2	303.0
OPTIONAL Override Predevelopment Peak Q (cfs) =	N/A	N/A							
Predevelopment Unit Peak Flow, q (cfs/acre) =	N/A	N/A	0.02	0.04	0.06	0.59	1.04	1.74	2.94
Peak Inflow Q (cfs) =	N/A	N/A	76.1	112.7	143.2	201.4	269.1	329.3	498.0
Peak Outflow Q (cfs) =	0.8	4.5	4.2	4.4	4.5	4.8	5.0	5.2	71.1
Ratio Peak Outflow to Predevelopment Q =	N/A	N/A	N/A	1.0	0.7	0.1	0.0	0.0	0.2
Structure Controlling Flow =	Plate	Outlet Plate 1	Outlet Plate 1	Outlet Plate 1	Outlet Plate 1	Outlet Plate 1	Outlet Plate 1	Spillway	N/A
Max Velocity through Grate 1 (fps) =	N/A	0.30	0.29	0.3	0.3	0.3	0.3	0.3	0.3
Max Velocity through Grate 2 (fps) =	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Time to Drain 97% of Inflow Volume (hours) =	37	47	47	47	48	50	52	55	51
Time to Drain 99% of Inflow Volume (hours) =	40	52	51	52	54	57	60	63	61
Maximum Ponding Depth (ft) =	4.97	6.93	5.84	6.44	6.93	7.87	8.62	9.50	10.00
Area at Maximum Ponding Depth (acres) =	0.87	1.62	1.25	1.45	1.62	1.88	2.23	2.48	2.68
Maximum Volume Stored (acre-ft) =	1.469	3.965	2.396	3.199	3.965	5.594	7.157	9.222	10.512

Design Procedure Form: Runoff Reduction

UD-BMP (Version 3.07, March 2018)

Sheet 1 of 1

Designer: SNB
Company: Atwell, LLC
Date: September 20, 2023
Project: Falcon Highlands
Location: El Paso County

SITE INFORMATION (User Input in Blue Cells)

WQCV Rainfall Depth = 0.60 inches
 Depth of Average Runoff Producing Storm, d_6 = 0.43 inches (for Watersheds Outside of the Denver Region, Figure 3-1 in USDCM Vol. 3)

confirm slope

Area Type	UIA:RPA																			
Area ID	A																			
Downstream Design Point ID	E																			
Downstream BMP Type	None																			
DCIA (ft ²)	--																			
UIA (ft ²)	34,529																			
RPA (ft ²)	17,265																			
SPA (ft ²)	--																			
HSG A (%)	100%																			
HSG B (%)	0%																			
HSG C/D (%)	0%																			
Average Slope of RPA (ft/ft)	0.009																			
UIA:RPA Interface Width (ft)	350.00																			

interface looks to be approximately 815'

CALCULATED RUNOFF RESULTS

Area ID	A																			
UIA:RPA Area (ft ²)	51,794																			
L / W Ratio	0.42																			
UIA / Area	0.6667																			
Runoff (in)	0.00																			
Runoff (ft ³)	0																			
Runoff Reduction (ft ³)	1439																			

CALCULATED WQCV RESULTS

Area ID	A																			
WQCV (ft ³)	1439																			
WQCV Reduction (ft ³)	1439																			
WQCV Reduction (%)	100%																			
Untreated WQCV (ft ³)	0																			

CALCULATED DESIGN POINT RESULTS (sums results from all columns with the same Downstream Design Point ID)

Downstream Design Point ID	E																			
DCIA (ft ²)	0																			
UIA (ft ²)	34,529																			
RPA (ft ²)	17,265																			
SPA (ft ²)	0																			
Total Area (ft ²)	51,794																			
Total Impervious Area (ft ²)	34,529																			
WQCV (ft ³)	1,439																			
WQCV Reduction (ft ³)	1,439																			
WQCV Reduction (%)	100%																			
Untreated WQCV (ft ³)	0																			

CALCULATED SITE RESULTS (sums results from all columns in worksheet)

Total Area (ft ²)	51,794
Total Impervious Area (ft ²)	34,529
WQCV (ft ³)	1,439
WQCV Reduction (ft ³)	1,439
WQCV Reduction (%)	100%
Untreated WQCV (ft ³)	0

if you combine the information onto one sheet, the spreadsheet will then average the WQCV Reduction %. You need an average of 80% WQCV Reduction for Runoff Reduction.

Design Procedure Form: Runoff Reduction

UD-BMP (Version 3.07, March 2018)

Sheet 1 of 1

Designer: _____
Company: SNB
Date: September 20, 2023
Project: Falcon Highlands
Location: El Paso County

SITE INFORMATION (User Input in Blue Cells)

WQCV Rainfall Depth = 0.60 inches
 Depth of Average Runoff Producing Storm, d_0 = 0.43 inches (for Watersheds Outside of the Denver Region, Figure 3-1 in USDCM Vol. 3)

Area Type	UIA:RPA																			
Area ID	B & C																			
Downstream Design Point ID	F																			
Downstream BMP Type	None																			
DCIA (ft ²)	--																			
UIA (ft ²)	36,334																			
RPA (ft ²)	18,167																			
SPA (ft ²)	--																			
HSG A (%)	100%																			
HSG B (%)	0%																			
HSG C/D (%)	0%																			
Average Slope of RPA (ft/ft)	0.009																			
UIA:RPA Interface Width (ft)	350.00																			

local stormwater arrow shows slope at 0.076

interface looks to be approximately 515'

CALCULATED RUNOFF RESULTS

Area ID	B & C																			
UIA:RPA Area (ft ²)	54,501																			
L / W Ratio	0.44																			
UIA / Area	0.6667																			
Runoff (in)	0.00																			
Runoff (ft ³)	0																			
Runoff Reduction (ft ³)	1514																			

CALCULATED WQCV RESULTS

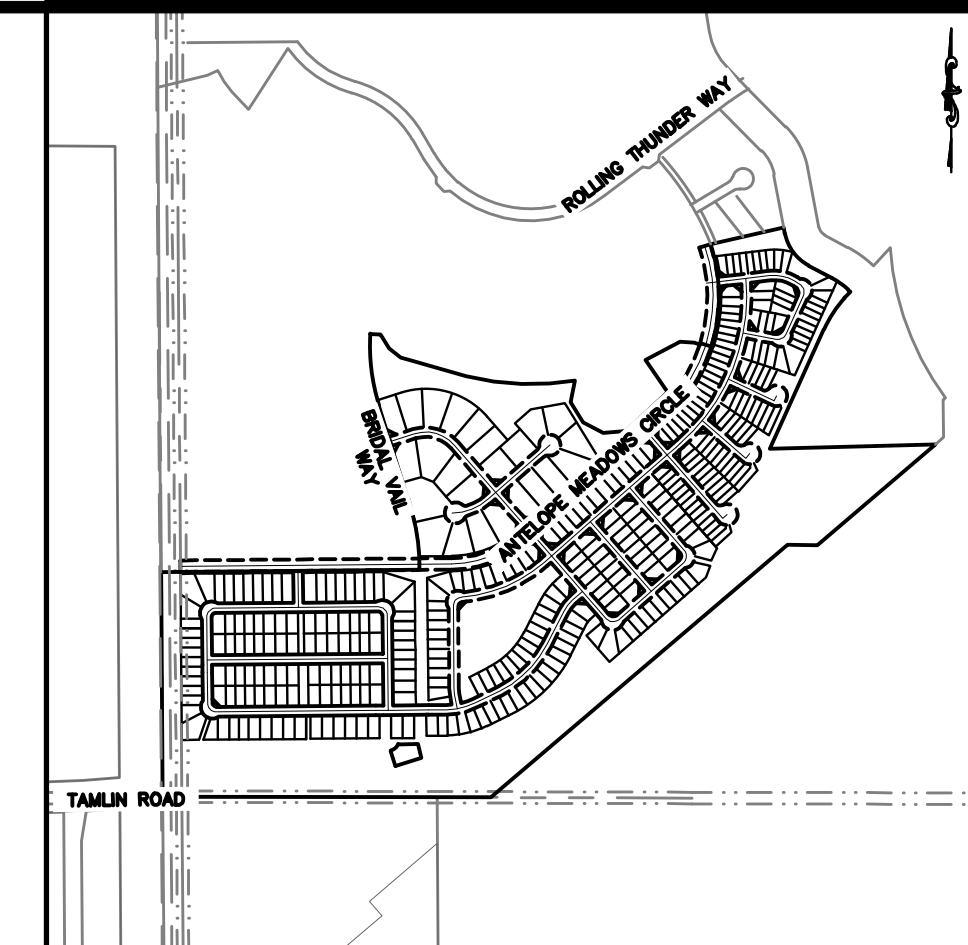
Area ID	B & C																			
WQCV (ft ³)	1514																			
WQCV Reduction (ft ³)	1514																			
WQCV Reduction (%)	100%																			
Untreated WQCV (ft ³)	0																			

CALCULATED DESIGN POINT RESULTS (sums results from all columns with the same Downstream Design Point ID)

Downstream Design Point ID	F																			
DCIA (ft ²)	0																			
UIA (ft ²)	36,334																			
RPA (ft ²)	18,167																			
SPA (ft ²)	0																			
Total Area (ft ²)	54,501																			
Total Impervious Area (ft ²)	36,334																			
WQCV (ft ³)	1,514																			
WQCV Reduction (ft ³)	1,514																			
WQCV Reduction (%)	100%																			
Untreated WQCV (ft ³)	0																			

CALCULATED SITE RESULTS (sums results from all columns in worksheet)

Total Area (ft ²)	54,501
Total Impervious Area (ft ²)	36,334
WQCV (ft ³)	1,514
WQCV Reduction (ft ³)	1,514
WQCV Reduction (%)	100%
Untreated WQCV (ft ³)	0



KEY MAP
1" = 1000'

811
Know what's below.
Call before you dig.

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE CONTRACTOR. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

NOTICE: CONSTRUCTION, SITE SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. NEITHER THE OWNER NOR THE ENGINEER SHALL BE EXPECTED TO ASSUME ANY RESPONSIBILITY FOR SAFETY OF THE WORK OF PERSONS ENGAGED IN THE WORK, OF ANY NEARBY STRUCTURES, OR OF ANY OTHER PERSONS.

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JIM BYERS

CHALLENGER HOMES
FALCON HIGHLANDS FILING NO. 3
EL PASO COUNTY, COLORADO
DRAINAGE MAP
WATER QUALITY MAP

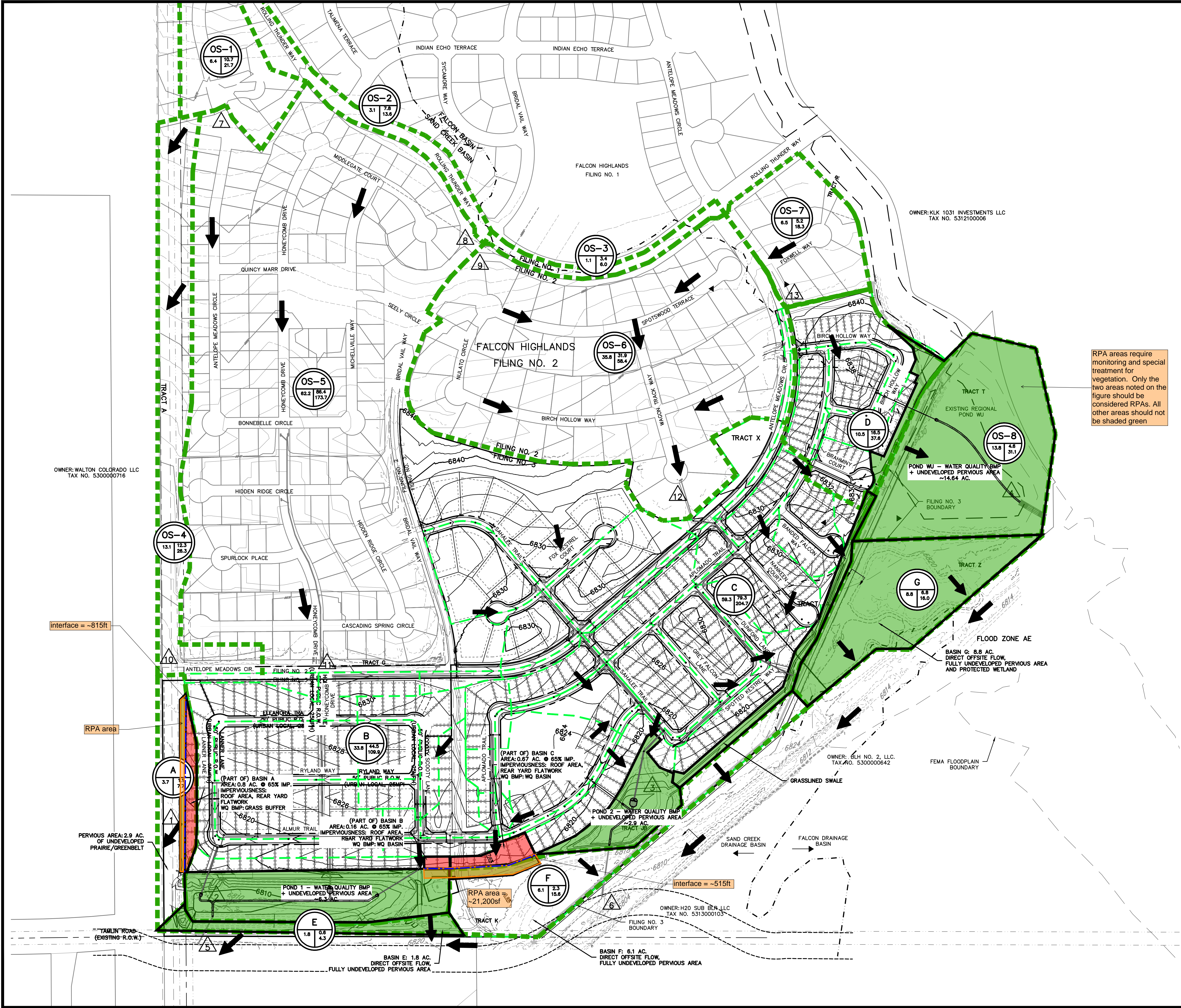
CLIENT
FALCON HIGHLANDS FILING NO. 3
EL PASO COUNTY, COLORADO

DATE 08/26/2022

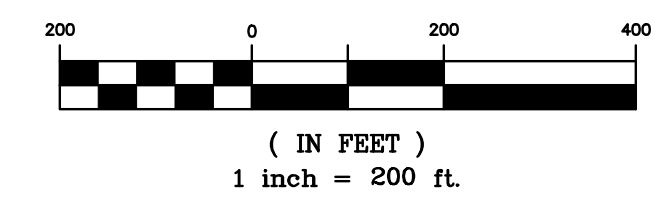
A	1st SUBMITTAL TO EPC	07/31/2022 - RDL
B	2nd SUBMITTAL TO EPC	08/28/2022 - RDL
C	3rd SUBMITTAL TO EPC	09/26/2022 - RDL
D	4TH SUBMITTAL TO EPC	07/21/2023 - RDL

REVISIONS

DR. SLP CH. DJM
P.M. DJM
JOB 21002568
SHEET NO. 1
DR-06



RPA areas require monitoring and special treatment for vegetation. Only the two areas noted on the figure should be considered RPAs. All other areas should not be shaded green.



LEGEND

	PROPERTY BOUNDARY
	EXISTING RIGHT-OF-WAY
	PROPOSED RIGHT-OF-WAY
	EXISTING LOT LINE
	PROPOSED LOT LINE
	EXISTING SECTION LINE
	EXISTING EASEMENT
	EXISTING CONTOURS
	PROPOSED CONTOURS
	SAND CREEK / FALCON DRAINAGE BASINS DELINEATION
	FEMA FLOODPLAIN LINE
	BASIN ID
	DESIGN POINT ID
	MAJOR BASIN BOUNDARY
	MINOR BASIN BOUNDARY
	FLOW ARROW
	IMPERVIOUS BASIN AREAS NOT CAPTURED BY STORM SYSTEM (UIA)
	PERVIOUS AREAS PROVIDING WATER QUALITY (RPA)

OWNER: WALTON COLORADO LLC
TAX NO. 530000716

OWNER: KLK 1031 INVESTMENTS LLC
TAX NO. 531210006

OWNER: BLH NO. 2, LLC
TAX NO. 530000642

OWNER: H2O SUB BLR LLC
TAX NO. 5313000103

interface = -815ft

interface = -515ft

RPA area

PERVIOUS AREA: 2.9 AC. OF UNDEVELOPED PRAIRIE/GREENBELT

TABLIN ROAD (EXISTING R.O.W.)

CAD FILE: 21002568-DRAINAGE_MAPS-WQ.DWG