

Zero-Rise Certification

Date: July 17, 2026

Owner: Marathon Holdings, LLP
4779 N Academy Blvd.
Colorado Springs, CO 80918

Engineer: Matrix Design Group, Inc.
Jesse Sullivan, PE
2435 Research Parkway, Suite 300
Colorado Springs, CO 80920

Project: Cimarron Hills Southeast Mixed Use Filing No. 1
Tax ID No. 5408007001
Colorado Springs, CO

I hereby certify that I am a duly qualified and licensed Professional Engineer in the state of Colorado. I further certify that the proposed project, *Cimarron Hills Southeast Mixed Use Filing No. 1*, as outlined in the attached exhibits, will not result in a rise in the FEMA-designated 100-year Base Flood Elevations (BFEs), nor will it increase the 100-year discharge at the cross-sections of the existing FEMA floodplain along East Fork Sand Creek, as shown on FEMA map numbers 08041C0752G and 08041C0754G. This certification is provided to demonstrate compliance with the requirements outlined in Section RBC313.20.1 of the Pikes Peak Regional Building Code.

To ensure that the proposed roadway does not contribute to an increase in the floodplain, Matrix has prepared an exhibit comparing the profiles from pre-roadway and post-roadway conditions based on HEC-RAS models. These models incorporate cross-sectional data derived from field surveys along the proposed roadway alignment. The results indicate that the proposed project will not alter the effective BFEs or the regulatory floodplain boundaries. Additionally, the roadway is planned to be located within the floodplain fringe, outside of the FEMA-designated regulatory floodway, further ensuring that it will not impact the floodplain.

The following documentation is provided to support my findings in accordance with standard engineering practice:

- a) Cimarron Hills Southeast Mixed Use Filing No. 1 – Road Plan & Profile Drawing
- b) FEMA FIRM No. 08041C0752G & 08041C0754G
- c) HEC-RAS Stream Profile Drawings for Pre-Roadway and Proposed Roadway Conditions

Respectfully,

Jesse Sullivan, P.E.
Matrix Design Group, Inc.

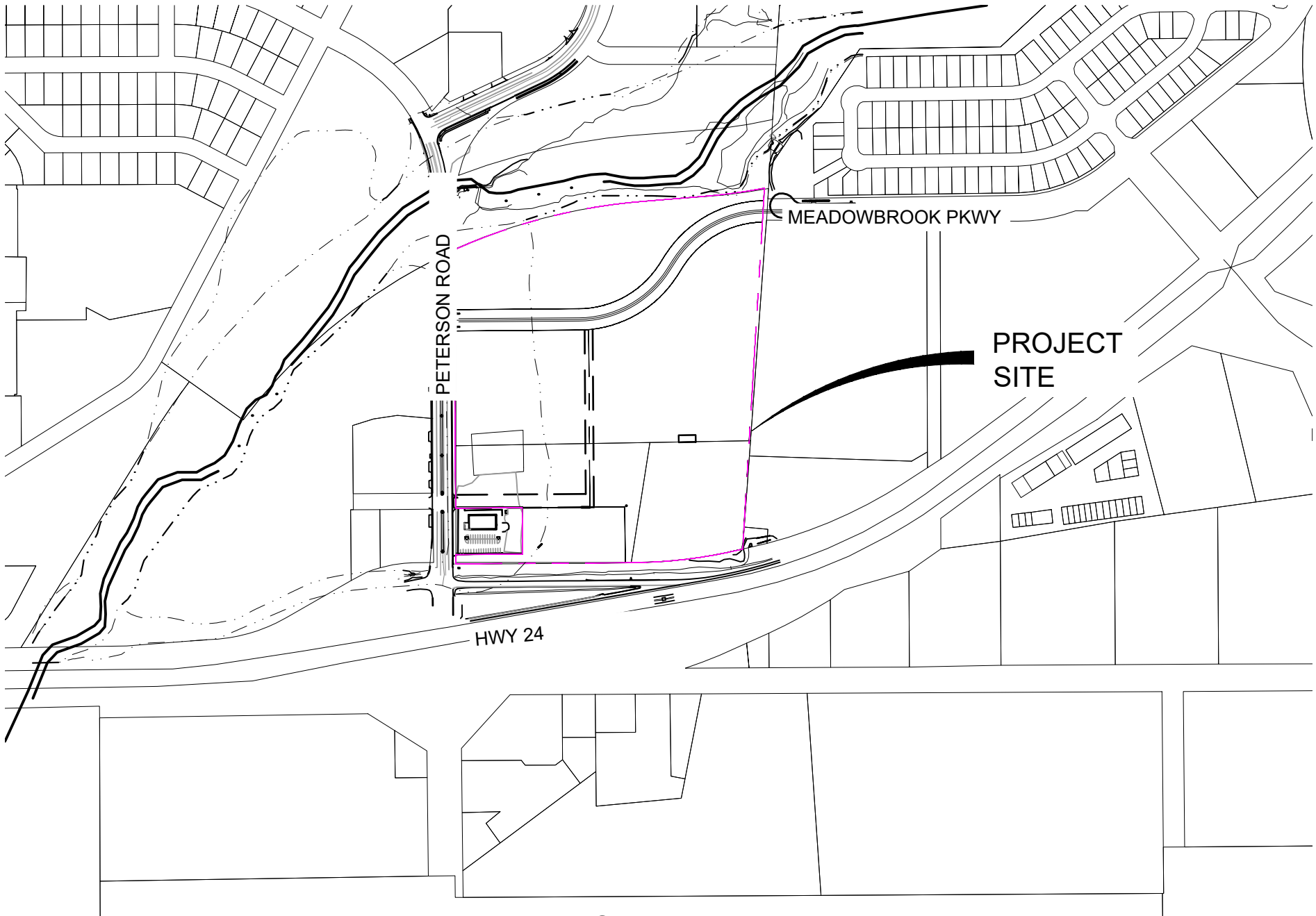


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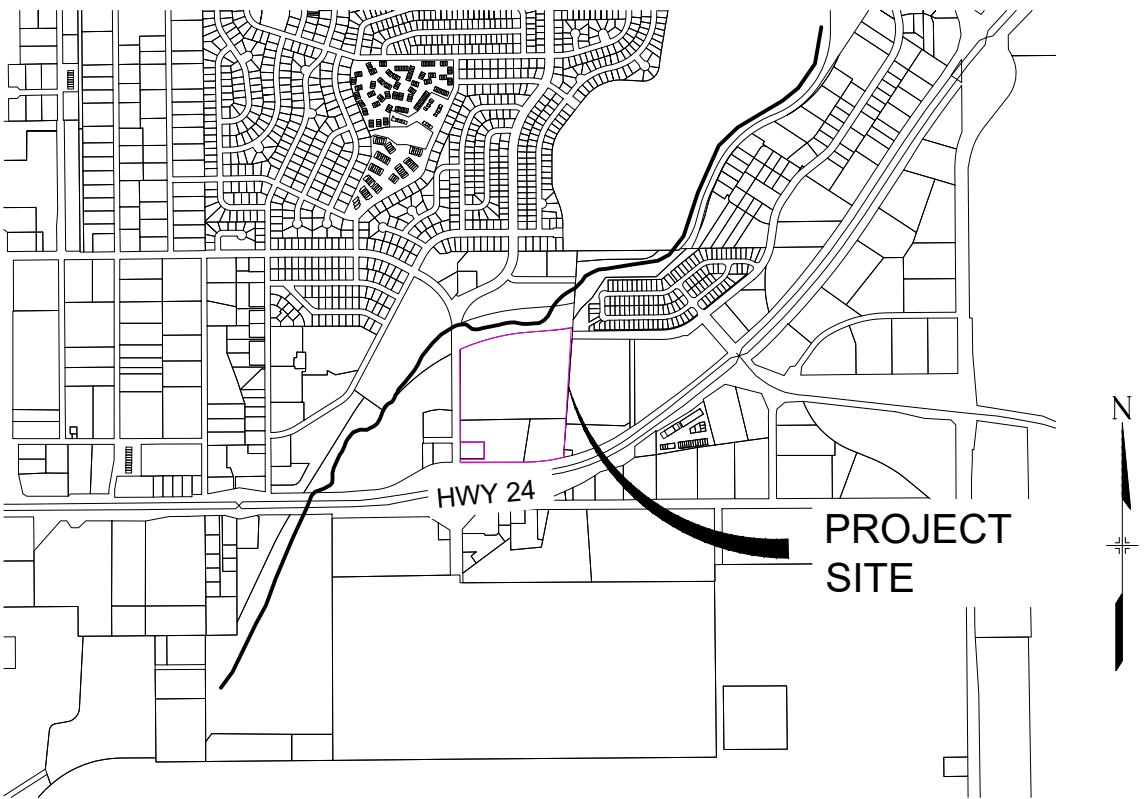
AGENCIES

SERVICE	ENTITY	P.O.C.
OWNER:	JOVENCHI I LLC 4779 N. ACADEMY BLVD. COLORADO SPRINGS, CO 80918	(719) 491-2158
CONTRACTOR:	CONSTRUCTION MANAGEMENT & CONSULTING, INC P.O. BOX 7207 COLORADO, SPRINGS, CO 80933	(719) 528-5999
CIVIL ENGINEER:	MATRIX DESIGN GROUP 2435 RESEARCH PARKWAY, SUITE 300 COLORADO SPRINGS, CO 80920	(719) 575-0100
GAS:	COLORADO SPRINGS UTILITIES 111 SOUTH CASCADE AVENUE COLORADO SPRINGS, CO 80903	(719) 448-4800
ELECTRIC:	COLORADO SPRINGS UTILITIES 111 SOUTH CASCADE AVENUE COLORADO SPRINGS, CO 80903	(719) 448-4800
FIRE DEPARTMENT:	CIMARRON HILLS FIRE DEPARTMENT 1835 TUSKEGEE PL. COLORADO SPRINGS, COLORADO, 80915	(719) 591-0960
WATER RESOURCES:	WASTEWATER: CHEROKEE METROPOLITAN DISTRICT 6250 PALMER PARK BOULEVARD COLORADO SPRINGS, COLORADO 80915	(719) 597-5080
	WATER: CHEROKEE METROPOLITAN DISTRICT 6250 PALMER PARK BOULEVARD COLORADO SPRINGS, COLORADO 80915	(719) 597-5080
SURVEYOR:	MATRIX DESIGN GROUP 2435 RESEARCH PARKWAY, SUITE 300 COLORADO SPRINGS, COLORADO 80920	(719) 575-0100

CIMARRON HILLS SOUTHEAST MIXED USE FILING NO. 1
EL PASO COUNTY, COLORADO
ROADWAY, STORM, AND POND PLANS
JULY 2026



SITE MAP
1"=500'



VICINITY MAP
1"=2000'

THE LOCATIONS OF EXISTING ABOVE GROUND AND UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL ABOVE GROUND AND UNDERGROUND UTILITIES.

DESIGN ENGINEER'S STATEMENT:

THESE DETAILED PLANS AND SPECIFICATIONS WERE PREPARED UNDER MY DIRECTION AND SUPERVISION. SAID PLANS AND SPECIFICATIONS HAVE BEEN PREPARED ACCORDING TO THE CRITERIA ESTABLISHED BY THE COUNTY FOR DETAILED ROADWAY, DRAINAGE, GRADING AND EROSION CONTROL PLANS AND SPECIFICATIONS, AND SAID PLANS AND SPECIFICATIONS ARE IN CONFORMITY WITH APPLICABLE MASTER DRAINAGE PLANS AND MASTER TRANSPORTATION PLANS. SAID PLANS AND SPECIFICATIONS MEET THE PURPOSES FOR WHICH THE PARTICULAR ROADWAY AND DRAINAGE FACILITIES ARE DESIGNED AND ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. I ACCEPT RESPONSIBILITY FOR ANY LIABILITY CAUSED BY ANY NEGLIGENT ACTS, ERRORS OR OMISSIONS ON MY PART IN PREPARATION OF THESE DETAILED PLANS AND SPECIFICATIONS.

BY: _____ DATE: _____

DREW DEFENDORF, PE # 65470
FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.

OWNER/DEVELOPER'S STATEMENT:

I, THE OWNER/DEVELOPER HAVE READ AND WILL COMPLY WITH ALL OF THE REQUIREMENTS SPECIFIED IN THESE DETAILED PLANS AND SPECIFICATIONS.

JOVENCHI I LLC
NAME OF DEVELOPER:

AUTHORIZED SIGNATURE: _____ DATE: _____

PRINTED NAME: _____

TITLE: _____

ADDRESS: _____

EL PASO COUNTY:

COUNTY PLAN REVIEW IS PROVIDED ONLY FOR GENERAL CONFORMANCE WITH COUNTY DESIGN CRITERIA. THE COUNTY IS NOT RESPONSIBLE FOR THE ACCURACY AND ADEQUACY OF THE DESIGN, DIMENSIONS, AND/OR ELEVATIONS WHICH SHALL BE CONFIRMED AT THE JOB SITE. THE COUNTY THROUGH THE APPROVAL OF THIS DOCUMENT ASSUMES NO RESPONSIBILITY FOR COMPLETENESS AND/OR ACCURACY OF THIS DOCUMENT.

FILED IN ACCORDANCE WITH THE REQUIREMENTS OF THE EL PASO COUNTY LAND DEVELOPMENT CODE, DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2, AND ENGINEERING CRITERIA MANUAL AS AMENDED.

IN ACCORDANCE WITH ECM SECTION 1.12, THESE CONSTRUCTION DOCUMENTS WILL BE VALID FOR CONSTRUCTION FOR A PERIOD OF 2 YEARS FROM THE DATE SIGNED BY THE EL PASO COUNTY ENGINEER. IF CONSTRUCTION HAS NOT STARTED WITHIN THOSE 2 YEARS, THE PLANS WILL NEED TO BE RESUBMITTED FOR APPROVAL, INCLUDING PAYMENT OF REVIEW FEES AT THE PLANNING AND COMMUNITY DEVELOPMENT DIRECTORS DISCRETION.

JOSHUA J. PALMER, P.E.
COUNTY ENGINEER / ECM ADMINISTRATOR

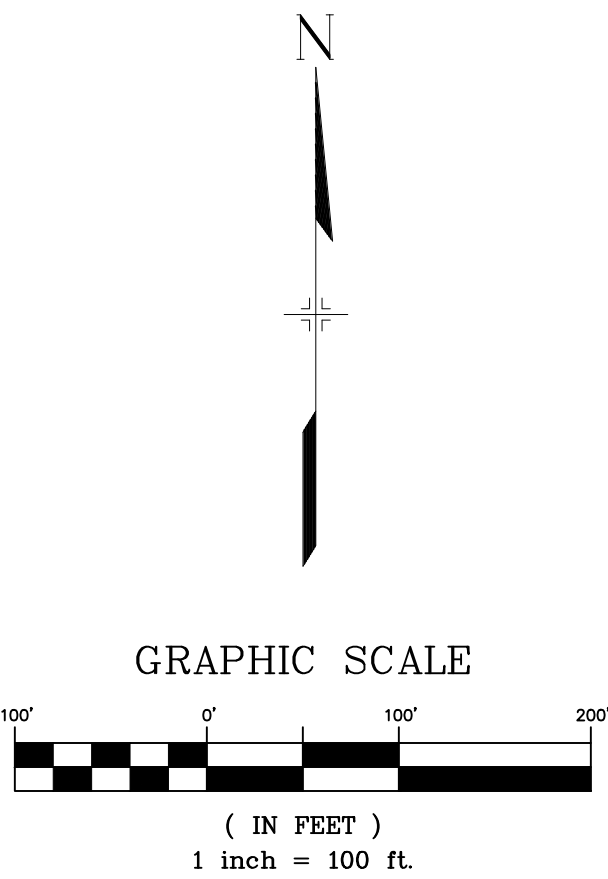
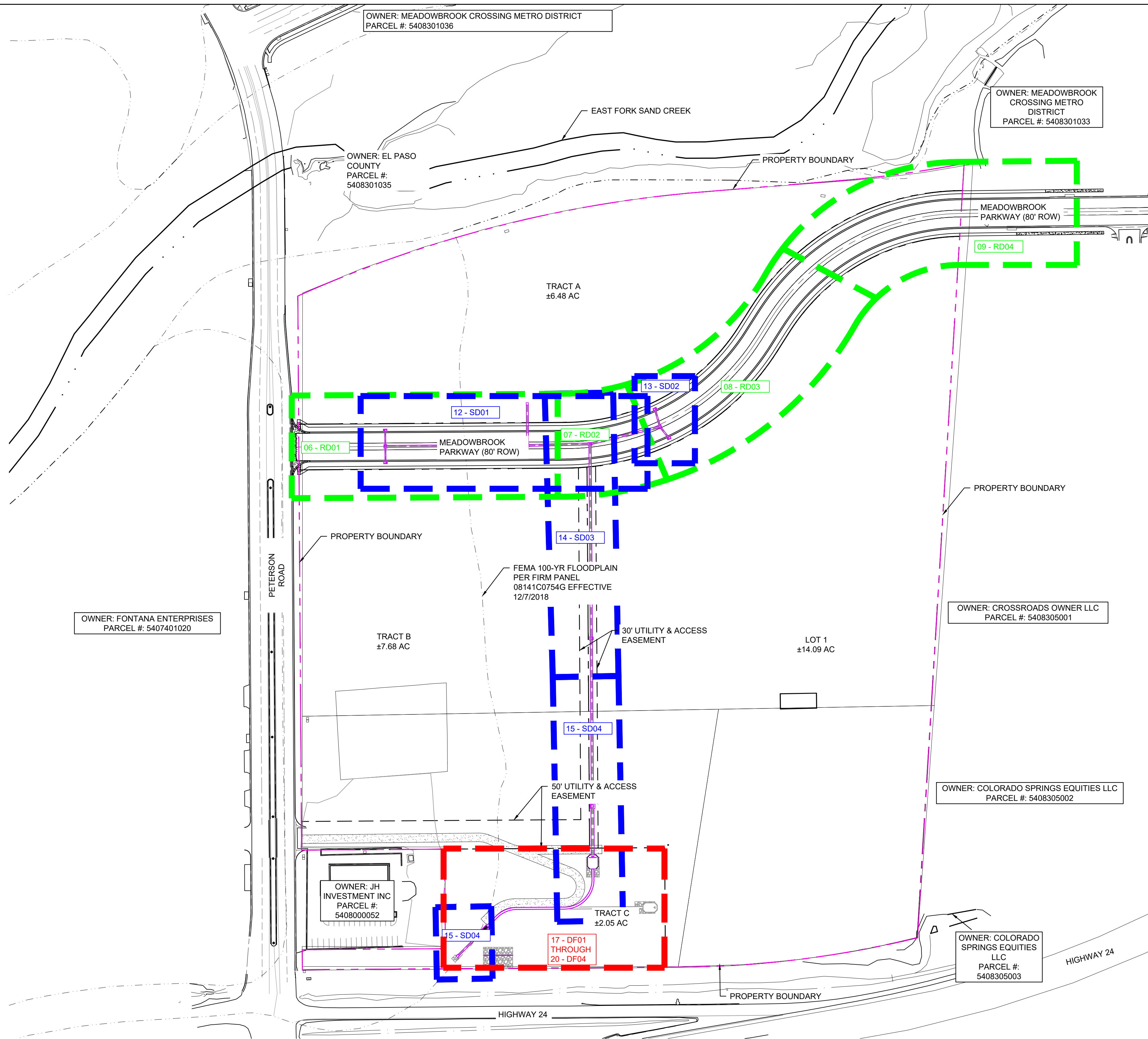
DATE

EPC SUBMITTAL NUMBER: SF2420

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Know what's below.
Call before you dig.



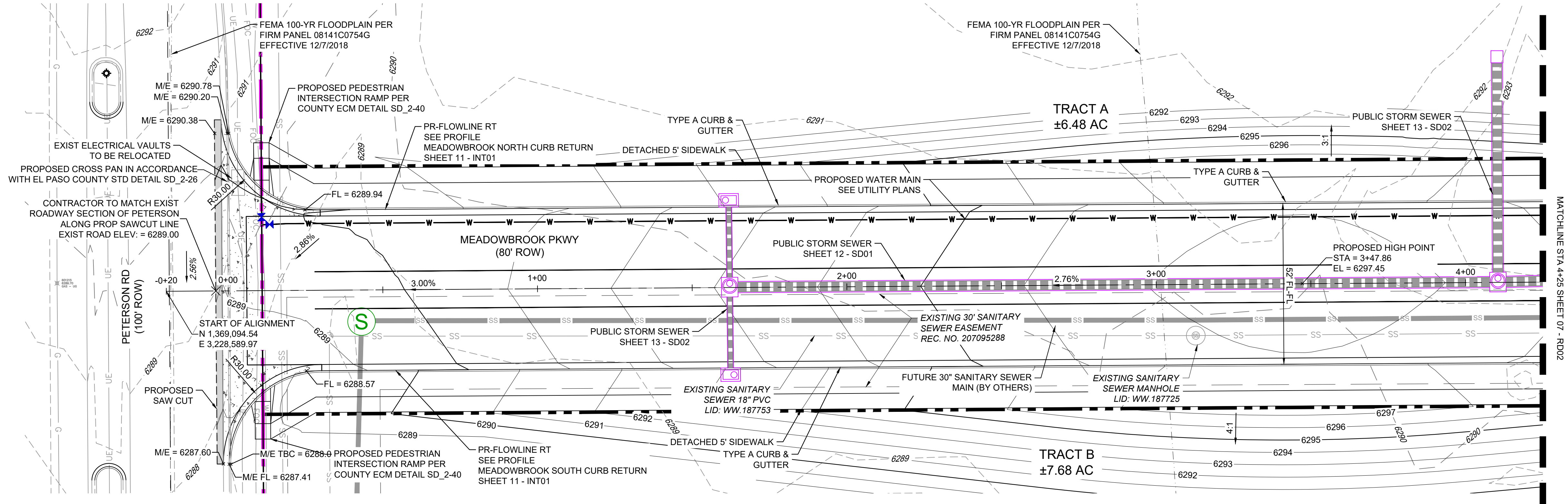
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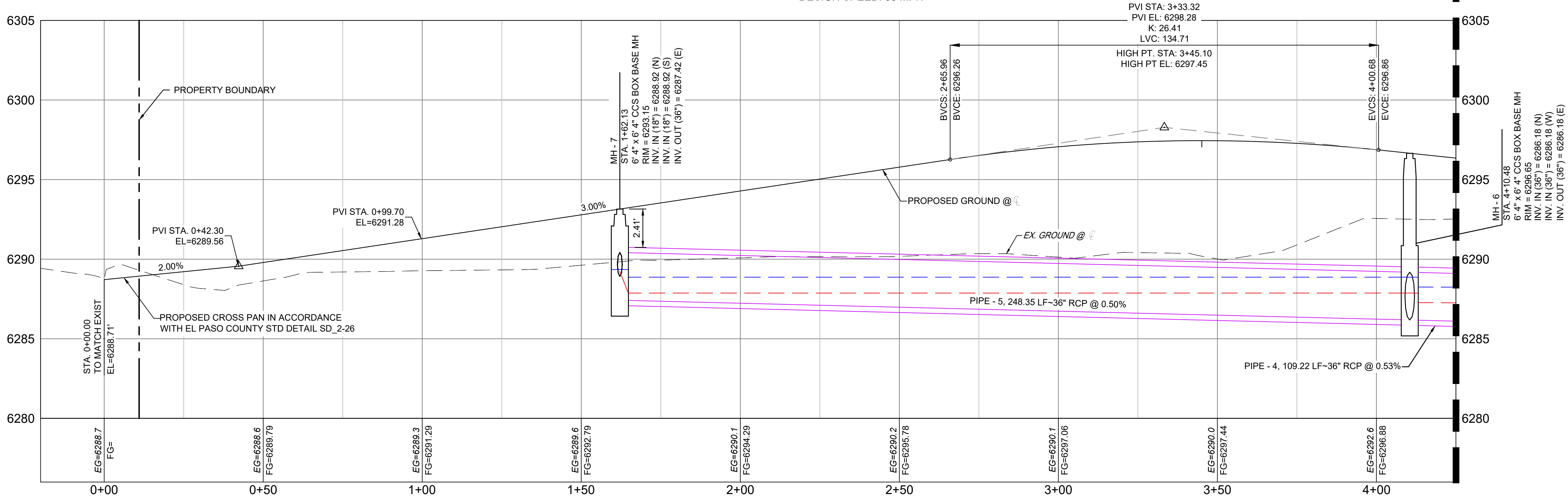
Know what's below.
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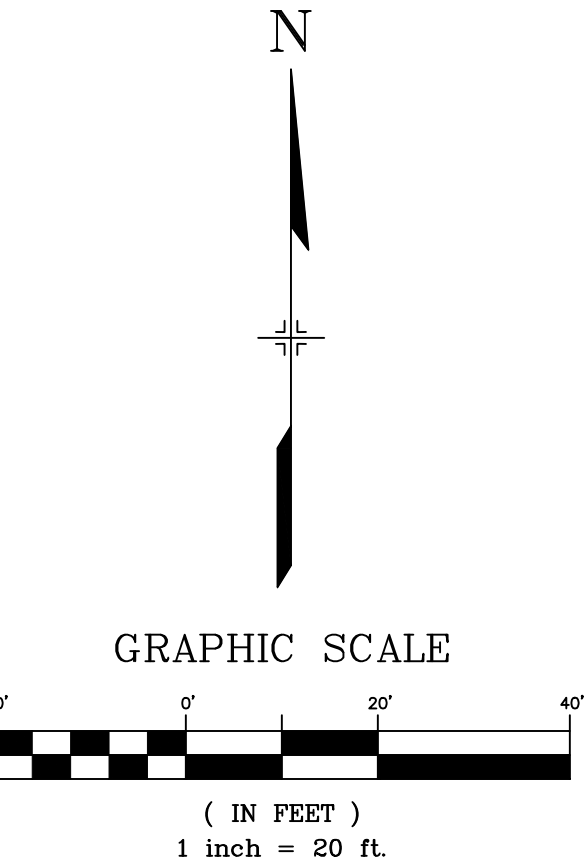
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- 100 YEAR HGL
- 5 YEAR HGL
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- EXISTING WATER MAIN
- EXISTING SANITARY SEWER MAIN
- EXISTING UNDERGROUND ELECTRIC
- EXISTING GAS
- EXISTING FIBER OPTICS
- PROPOSED MANHOLE
- PROPOSED INLETS
- EXISTING SANITARY SEWER MANHOLE



MEADOWBROOK PKWY EXTENTION PLAN VIEW
COLLECTOR
DESIGN SPEED: 35 MPH



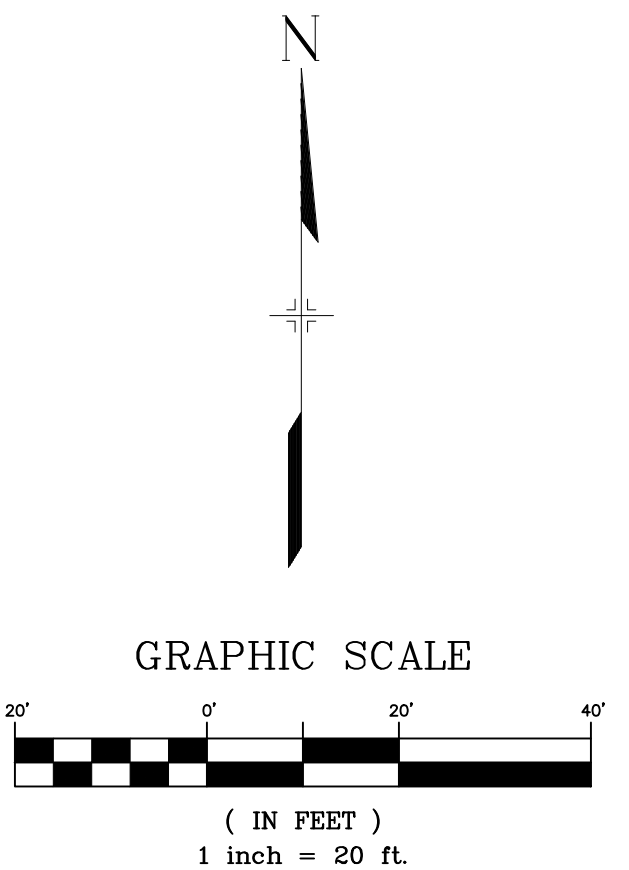
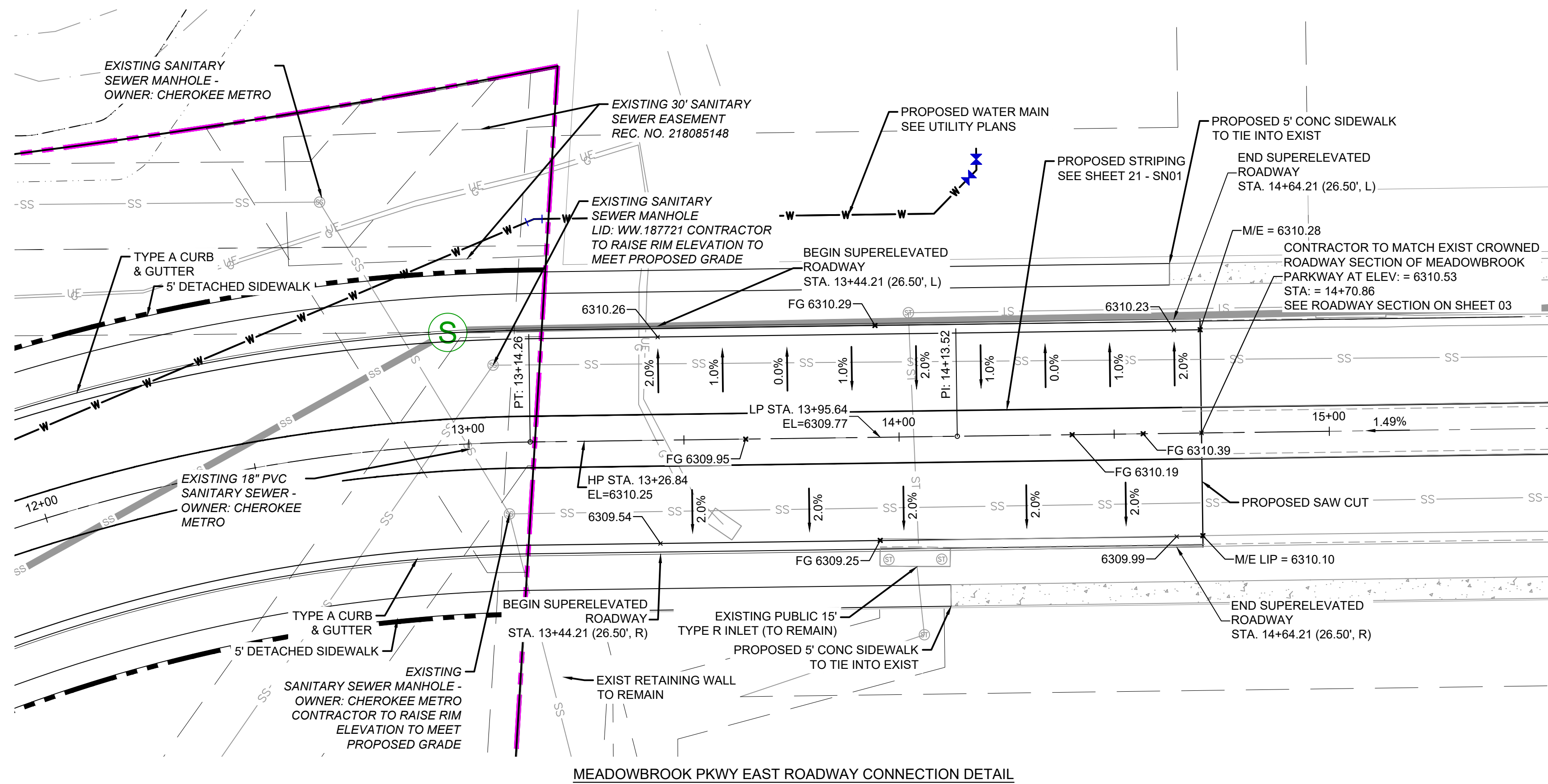
Meadowbrook CL PROFILE
SCALE: (H) 1" = 20' (V) 1" = 4'
START STA: -0+20.00, END STA: 4+25.00
MEADOWBROOK PKWY EXTENTION PROFILE VIEW



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 - EXISTING WATER MAIN
 - EXISTING SANITARY SEWER MAIN
 - EXISTING UNDERGROUND ELECTRIC
 - EXISTING GAS
 - EXISTING FIBER OPTICS
 - EXISTING SANITARY SEWER MANHOLE

[illegible]

NOTES TO USERS

is for use in administering the National Flood Insurance Program. It does not identify all areas subject to flooding, particularly from local drainage of small size. The community map repository should be consulted for detailed or additional flood hazard information.

more detailed information in areas where **Base Flood Elevations (BFEs)** have been determined, users are encouraged to consult the Flood Floodway Data and/or Summary of Stillwater Elevations tables contained in the Flood Insurance Study (FIS) report that accompanies this FIRM. Users are aware that BFEs shown on the FIRM represent rounded whole-foot values. These BFEs are intended for flood insurance rating purposes only and are not to be used as the sole source of flood elevation information. Accordingly, elevation data presented in the FIS report should be utilized in conjunction with other data for purposes of construction and/or floodplain management.

Base Flood Elevations shown on this map apply only to landward of 0.0' from the mean high water line. Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this jurisdiction. Elevations in the Summary of Stillwater Elevations table should be used for construction and/or floodplain management purposes when they are higher than the elevations in this FIRM.

s of the **floodways** were computed at cross sections and interpolated cross sections. The floodways were based on hydraulic considerations with requirements of the National Flood Insurance Program. Floodway widths are provided in the Flood Insurance Study report for this jurisdiction.

s are not in Special Flood Hazard Areas may be protected by flood control structures. Refer to section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

ection used in the preparation of this map was Universal Transverse Mercator (UTM) zone 13. The horizontal datum was NAD83, GRS80 spheroid. The vertical datum, spheroid, projection or UTM zones zones used in the preparation of this map are referenced to the North American Vertical Datum of 1988 (NAVD83). These flood elevations must be compared to structure elevations referenced to the same vertical datum. For information regarding the datum used in this map, please contact the Information Services Branch of the National Survey of the National Flood Insurance Program at <http://www.ngs.noaa.gov> or contact the National Geodetic Survey at the following information shown on this FIRM was provided in digital format by El Paso Colorado Springs Utilities, and Anderson Consulting Engineering, Inc. These current as of 2008.

reflects more detailed and up-to-date **stream channel configurations and delineations** than those shown on the previous FIRM for this jurisdiction. Plans and floodways that were transferred from the previous FIRM may be adjusted to conform to these new stream channel configurations. As a result, the hydraulic modeling baselines that match the flood profiles may deviate significantly from the new base map channel representation appear outside of the floodplain.

limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred since this map was published, map users should contact appropriate officials to verify current corporate limit locations.

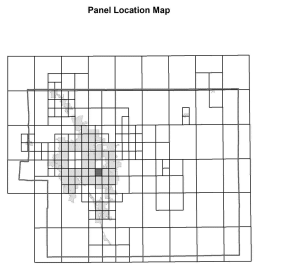
er to the separately printed **Map Index** for an overview map of the county showing the layout of map panels; community map repository addresses; and a Communities table containing National Flood Insurance Program dates for community as well as a listing of the panels on which each community is located.

EMA Map Service Center (MSC) via the FEMA Map Information eXchange (1-877-336-2627) for information on available products associated with this map. The MSC may include previously issued Letters of Map Change, a Flood Insurance Study Report, and/or digital versions of this map. The MSC may be reached by Fax at 1-800-358-9620 and its website at www.msc.fema.gov.

e **questions about this map** or questions concerning the National Flood Insurance Program in general, please call 1-877-FEMA MAP (1-877-336-2627) or visit the FEMA website at <http://www.fema.gov/businessinfo>.

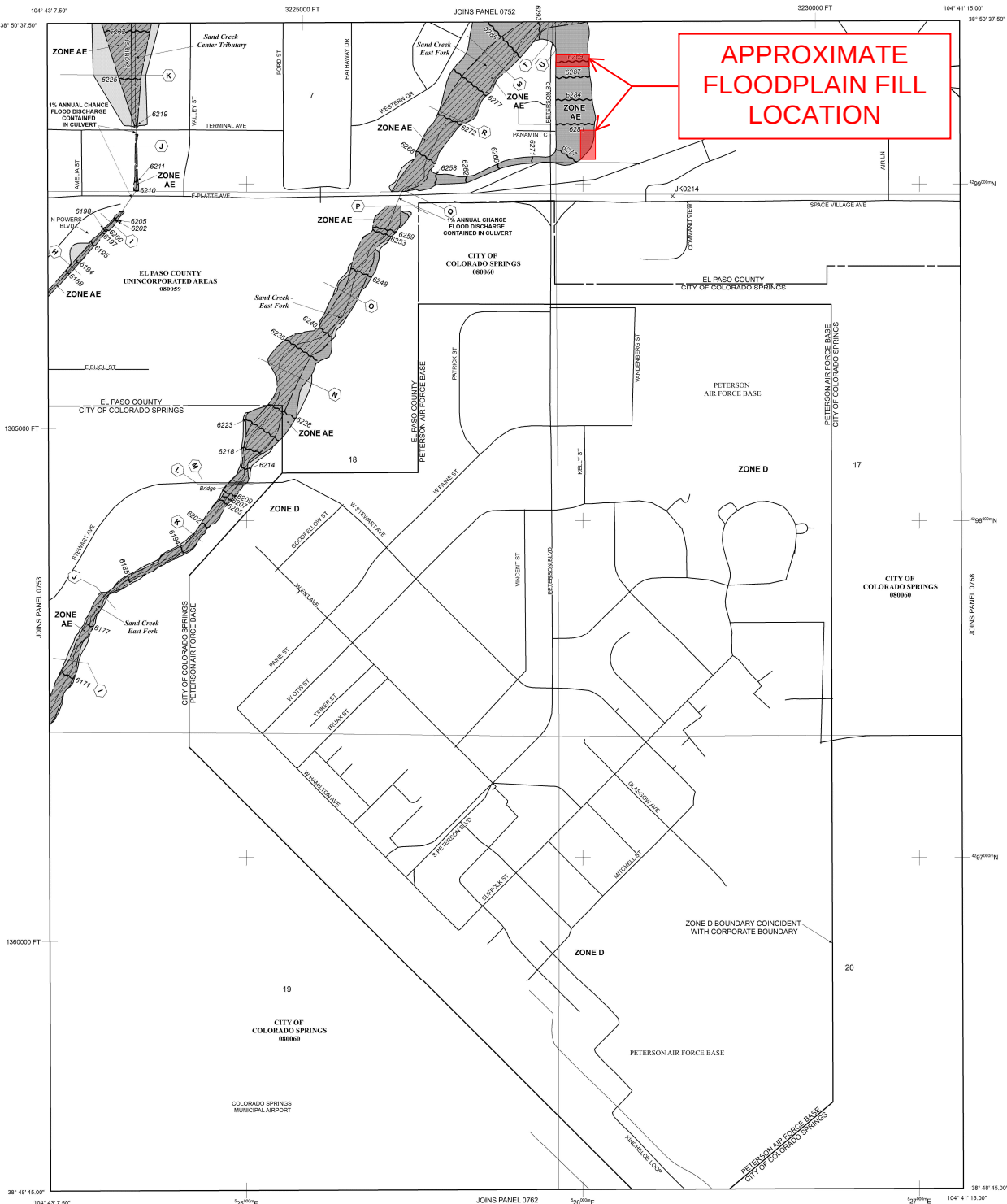
El Paso County Vertical Datum Offset Table

Flooding Source	Vertical Datum Offset (ft)
Refer to Section 3.3 of the El Paso County Flood Insurance Study for Stream by Stream Vertical Datum Conversion Information	



igital Flood Insurance Rate Map (DFIRM) was produced through a rating Technical Partner (CTP) agreement between the State of Colorado Conservation Board (CWCB) and the Federal Emergency Management Agency (FEMA).

Additional Flood Hazard information and resources are available from local communities and the Colorado Water Conservation Board.



NOTE: MAP AREA SHOWN ON THIS PANEL IS LOCATED WITHIN TOWNSHIP 14 SOUTH, RANGE 65 WEST.

LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A No Base Flood Elevations determined.

ZONE AE Base Flood Elevations determined.

ZONE AH Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.

ZONE AO Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.

ZONE AR Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently destroyed. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.

ZONE A99 Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevation determined.

ZONE V Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.

ZONE VE Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with depths greater than 1 foot but less than square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X Areas determined to be outside the 0.2% annual chance floodplain.

ZONE D Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

BOUNDARY DIVIDING SPECIAL FLOOD HAZARD AREAS OF DIFFERENT BASE FLOOD ELEVATIONS, FLOOD DEPTHS OR FLOOD VELOCITIES

Base Flood Elevation line and value, elevation in feet (EL 987)

513

EL 987

Base Flood Elevation value where uniform within zone; elevation in feet

*** Referenced to the North American Vertical Datum of 1988 (NAVD 88)**

Cross section line

23

87° 07' 30.00"

32° 22' 30.00"

Geographic coordinates referenced to the North American Datum of 1983 (NAD 83)

1000-meter Universal Transverse Mercator grid ticks, zone 13

6000000 FT

5000-foot grid ticks: Colorado State Plane coordinate system, central zone (SPSRN 5002), Lambert Conformal Conic Projection

Bench mark (see explanation in Notes to Users section of this FIRM panel)

M1.5

MAP REPOSITORIES

Refer to Map Repositories list on Map Index

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP

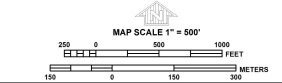
MARCH 17, 1987

EFFECTIVE DATES OF REVISIONS TO THIS PANEL

DECEMBER 7, 2016 to update corporate limits, to change Base Flood Elevations of Special Flood Hazard Areas, to update map titles, and to add roads and road names, and incorporate previously issued Letters of Map Revision.

For community map revision history prior to countywide mapping, refer to the Community Map History Table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6623.



NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0754G

FIRM

FLOOD INSURANCE RATE MAP

EL PASO COUNTY, COLORADO AND INCORPORATED AREAS

PANEL 754 OF 1300

(SEE MAP INDEX FOR FIRM PANEL LIST)

CONTAINS:

COMMUNITY	NUMBER	PANEL
COLORADO SPRINGS, CITY OF	08060	0754
EL PASO COUNTY	08069	0754

Notice: This map was released on 05/10/2016 to make a correction. This version replaces any previous versions. See the Notice-to-User Letter that accompanied this correction for details.

Notice to User: The Map Number shown below should be used when ordering map products. The Community Name shown above should be used on insurance applications and other documents.

MAP NUMBER

08041C0

MAP REVISION

DECEMBER 7, 2016

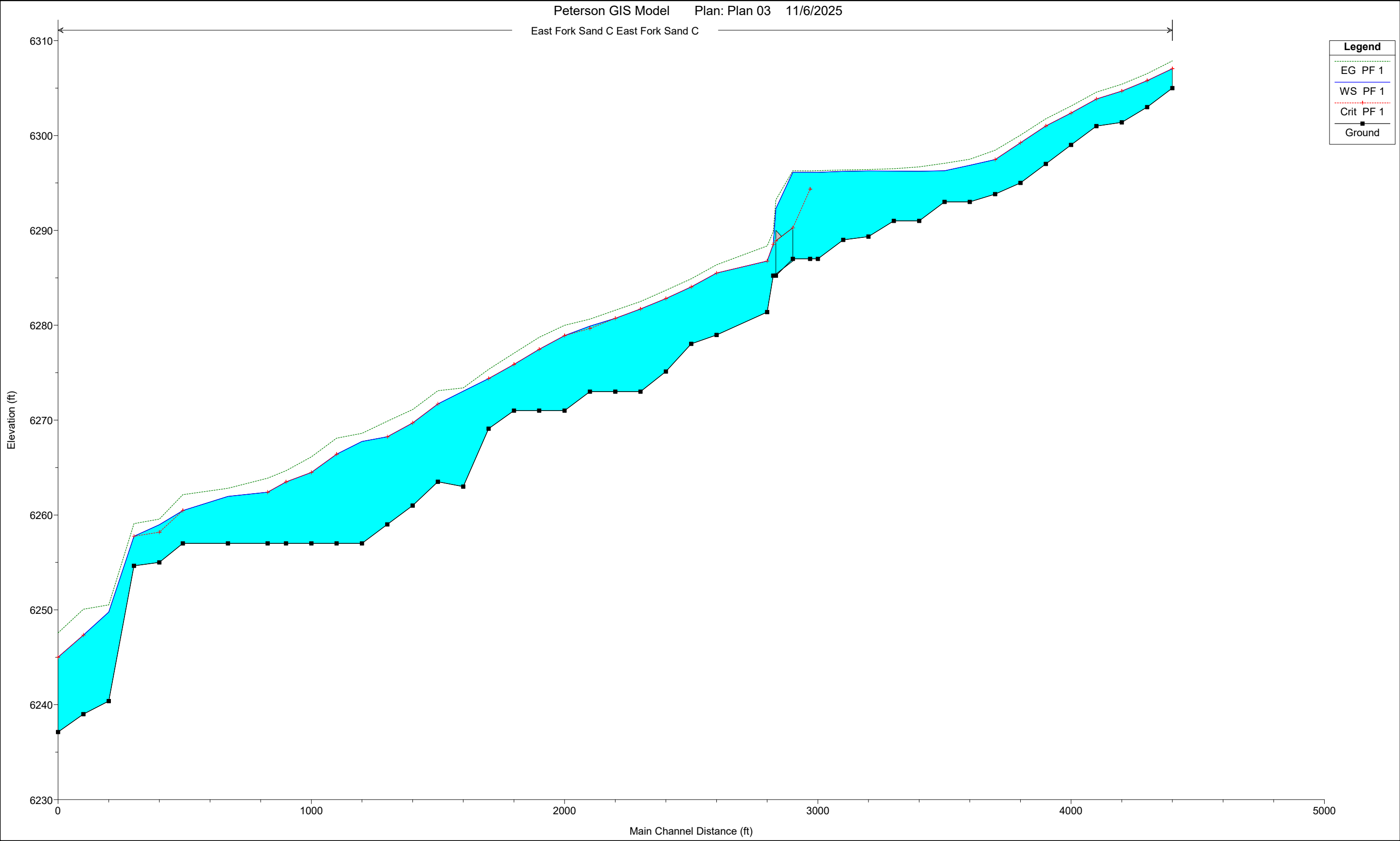
Federal Emergency Management Agency

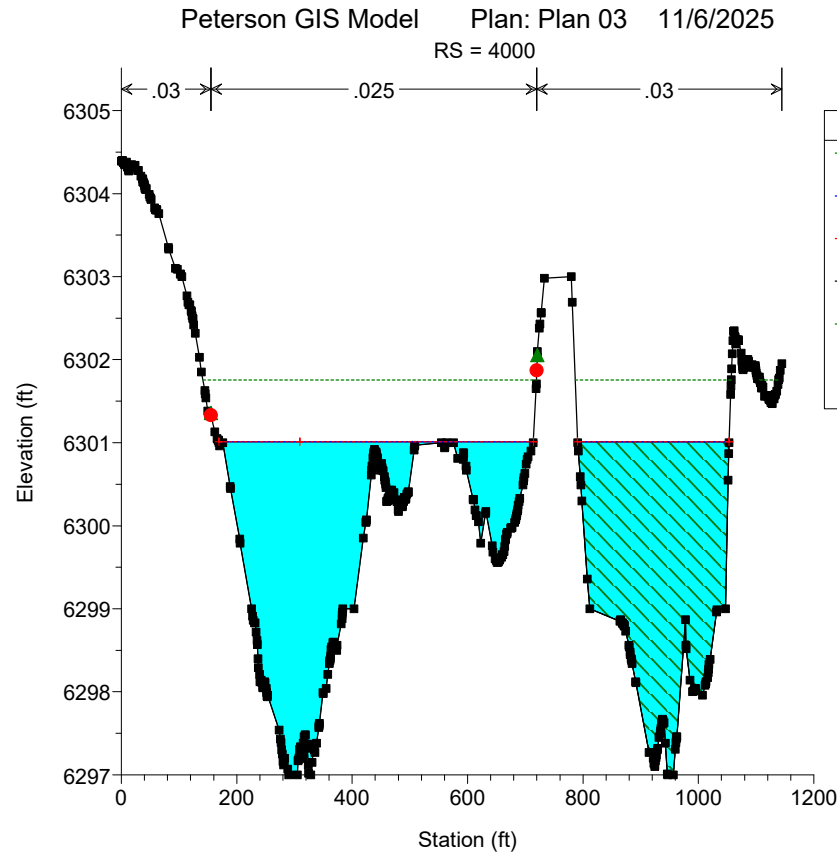
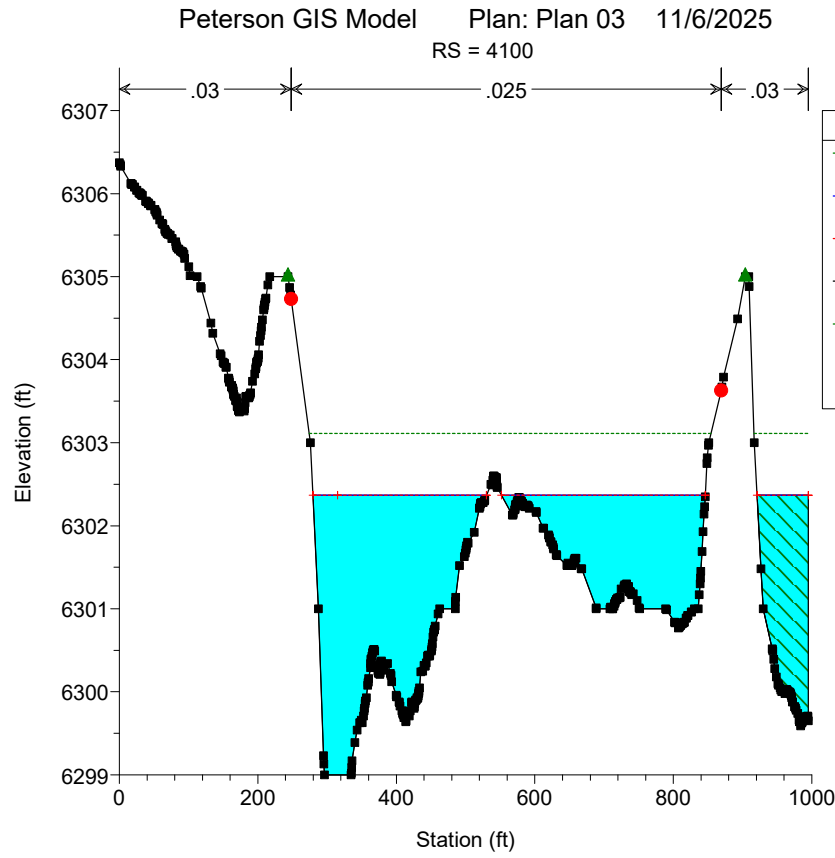
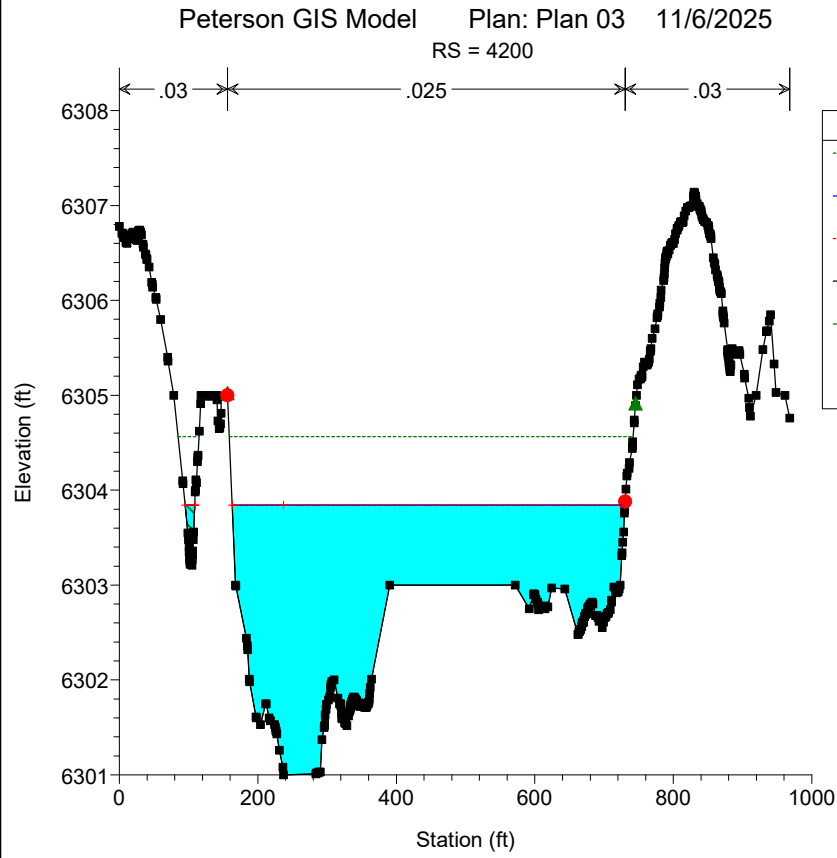
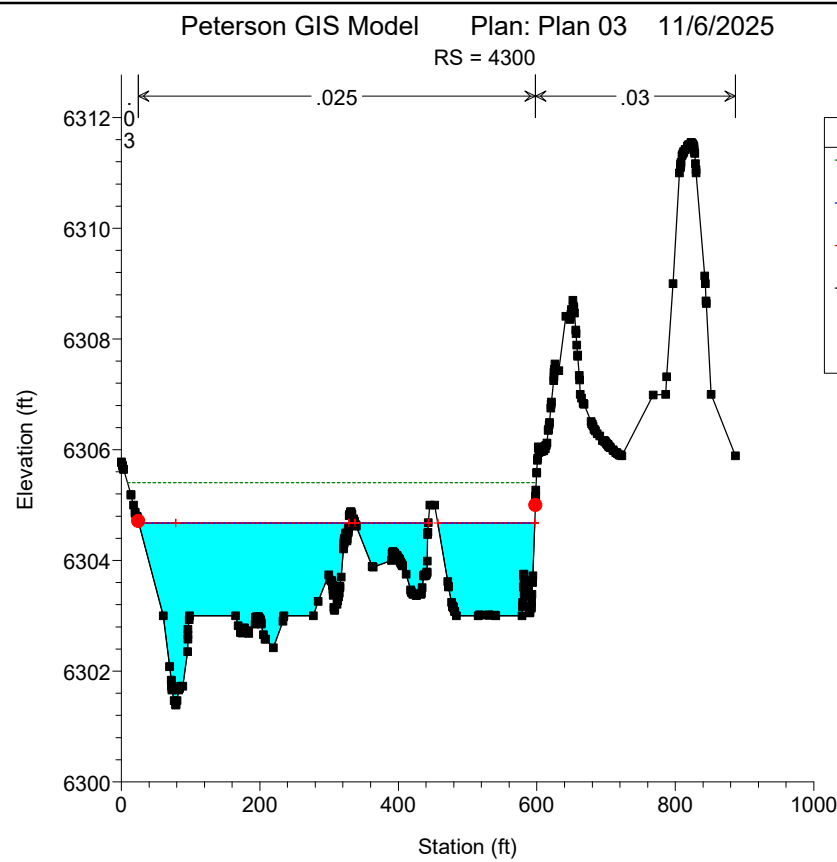
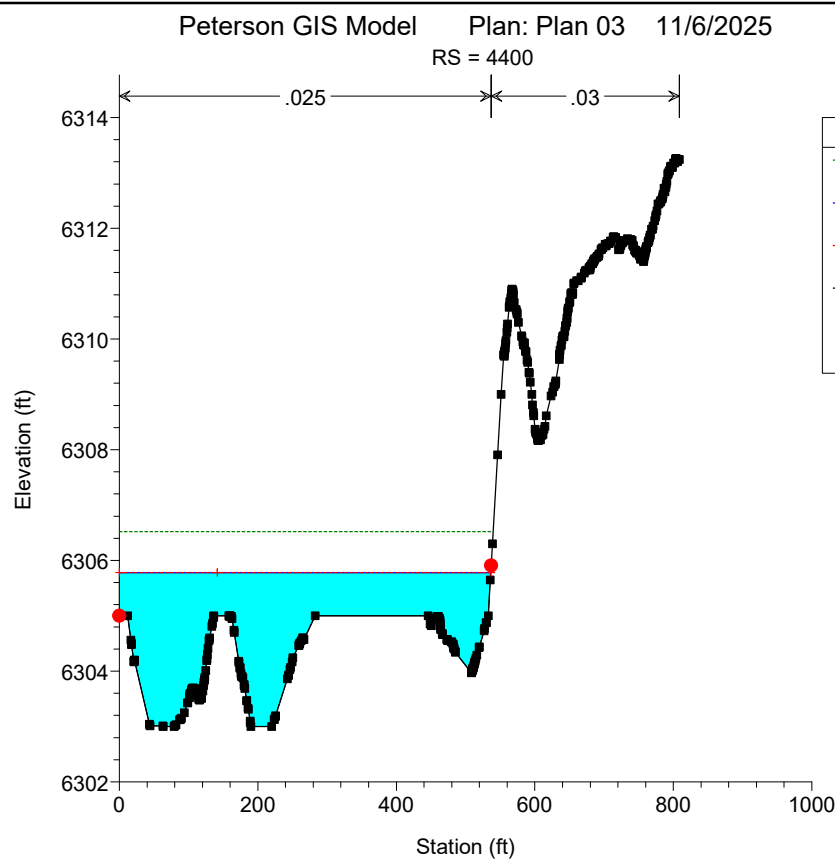
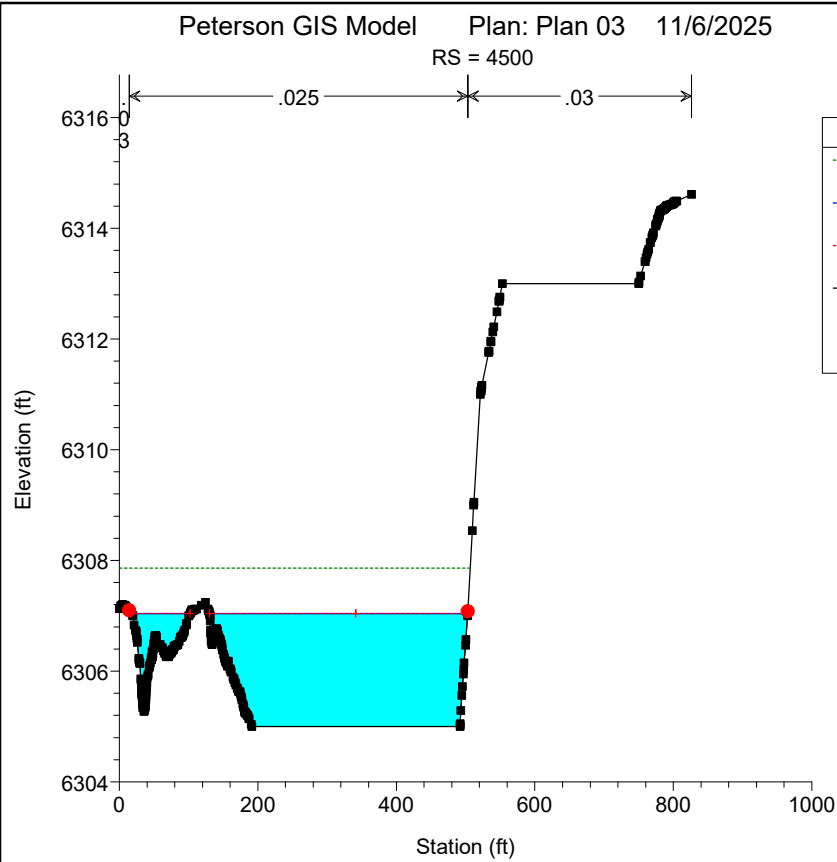
EXISTING CONDITIONS HEC-RAS MODEL

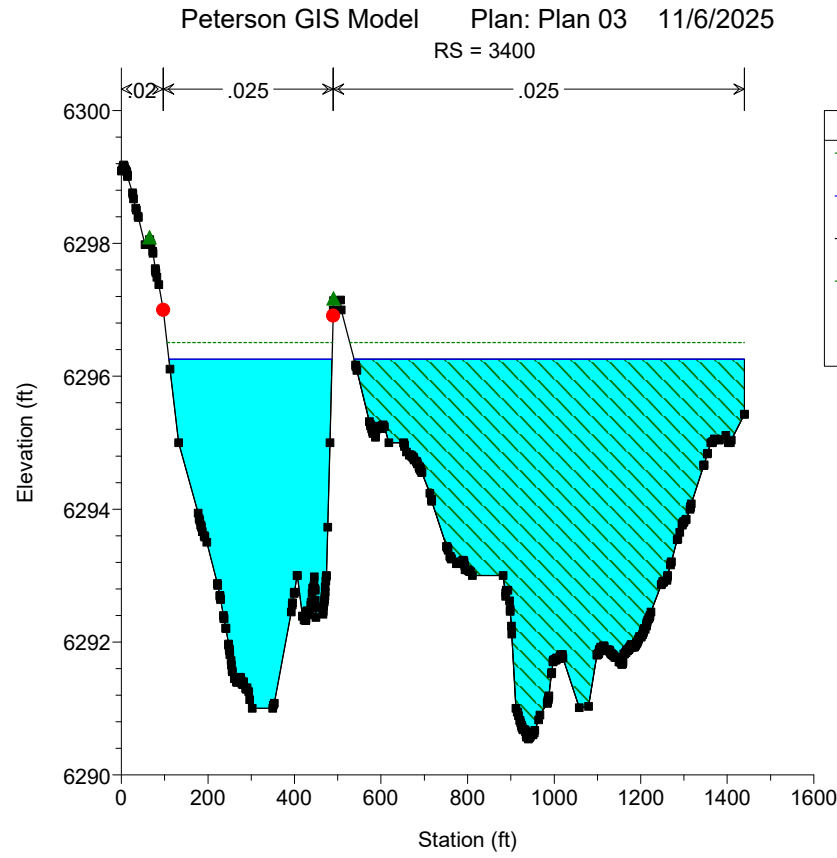
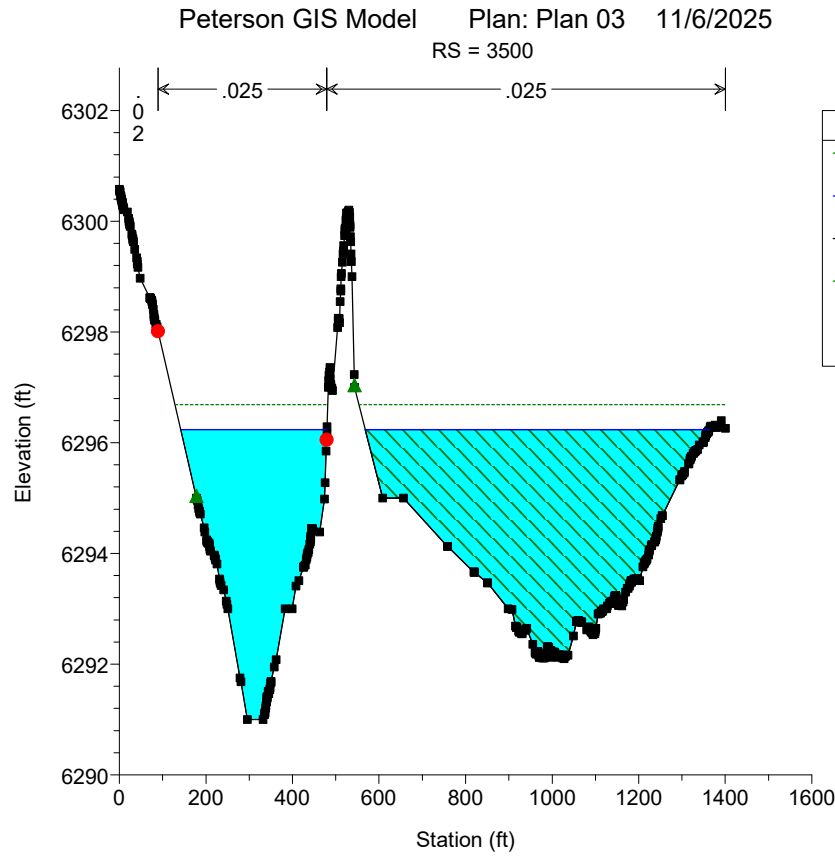
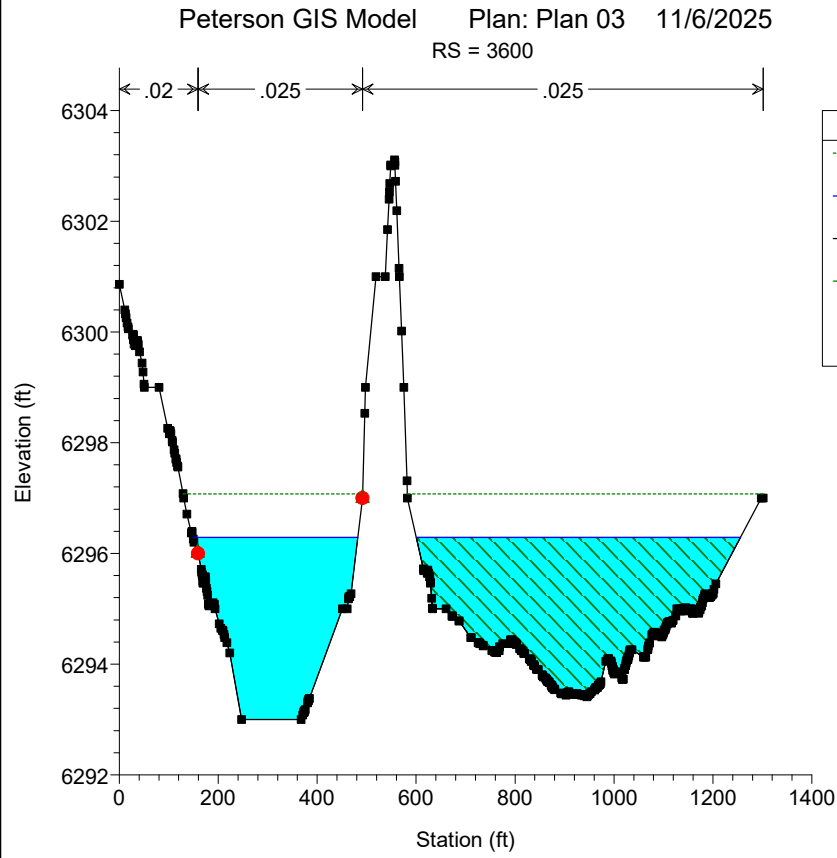
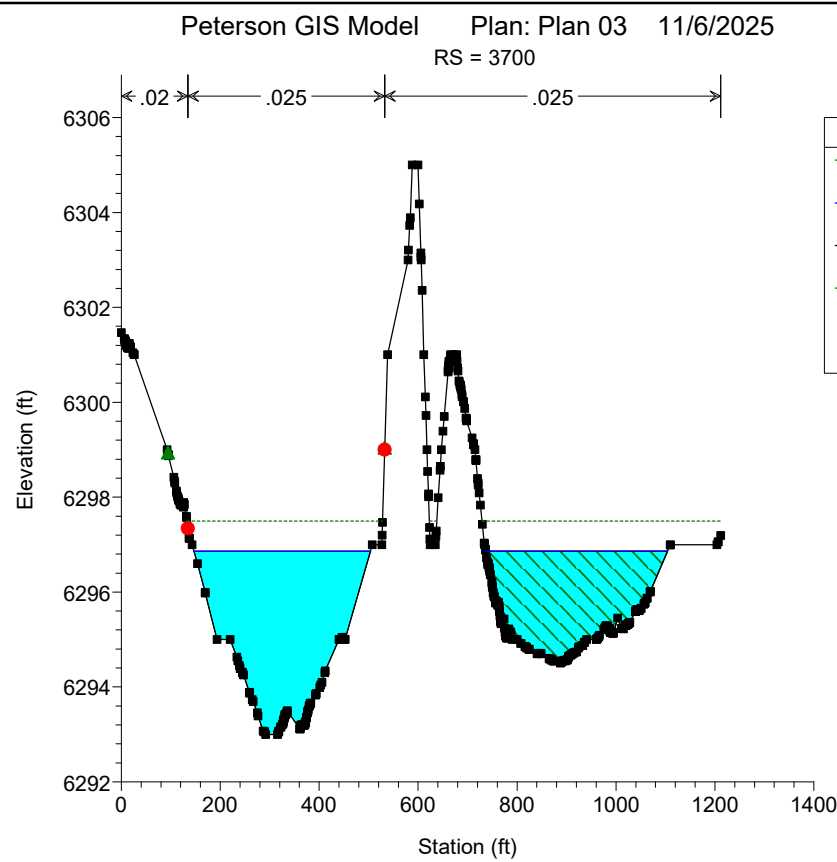
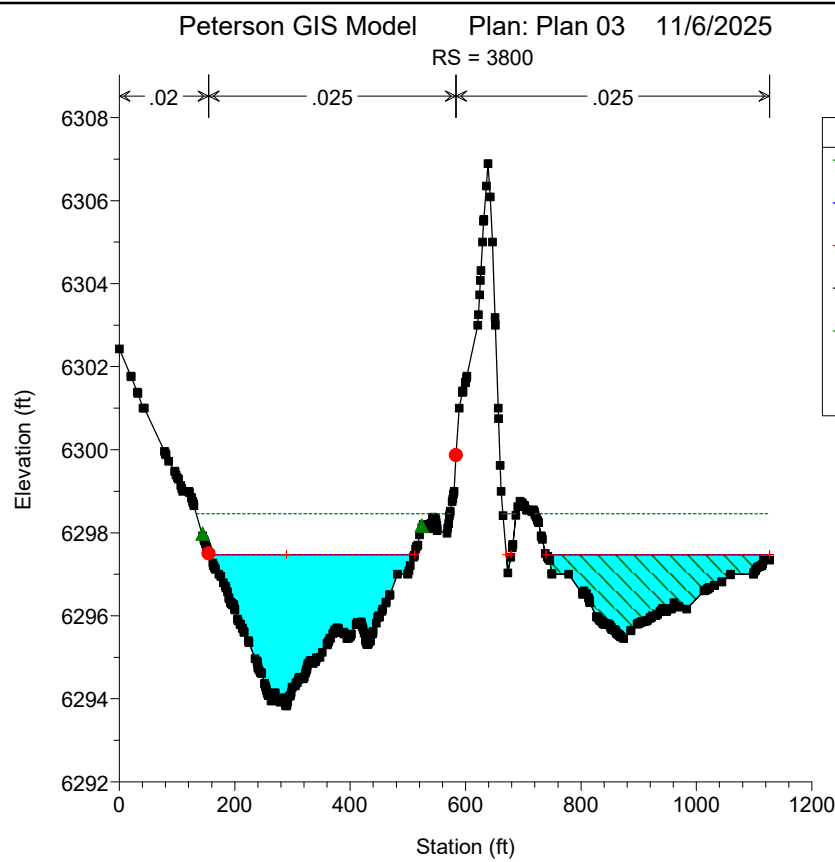
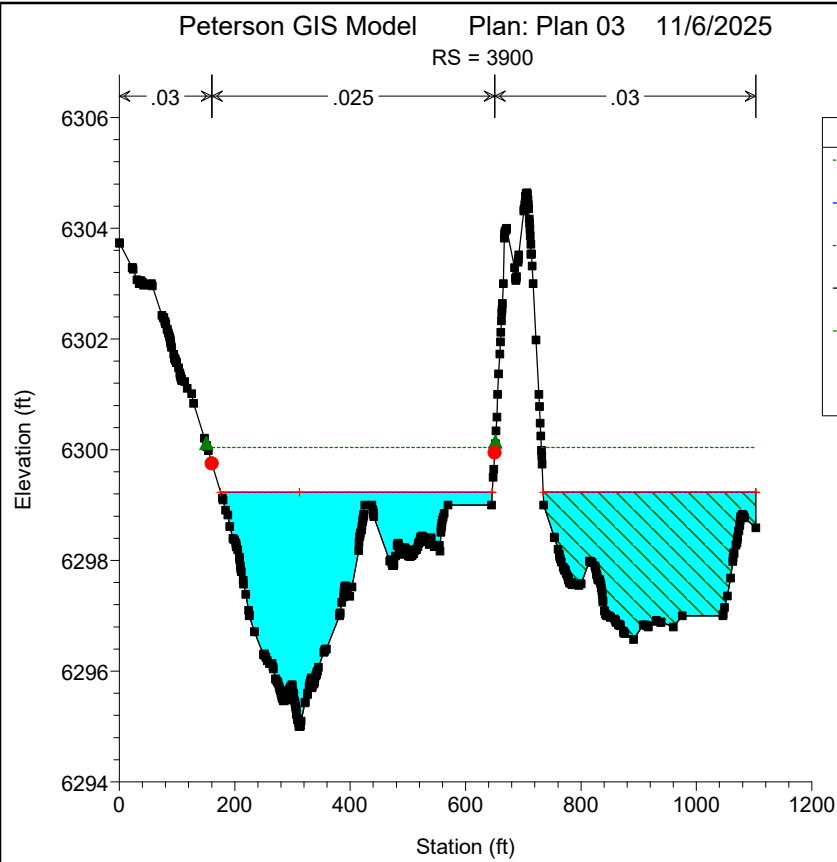
HEC-RAS Plan: Plan 2 River: East Fork Sand C Reach: East Fork Sand C Profile: PF 1

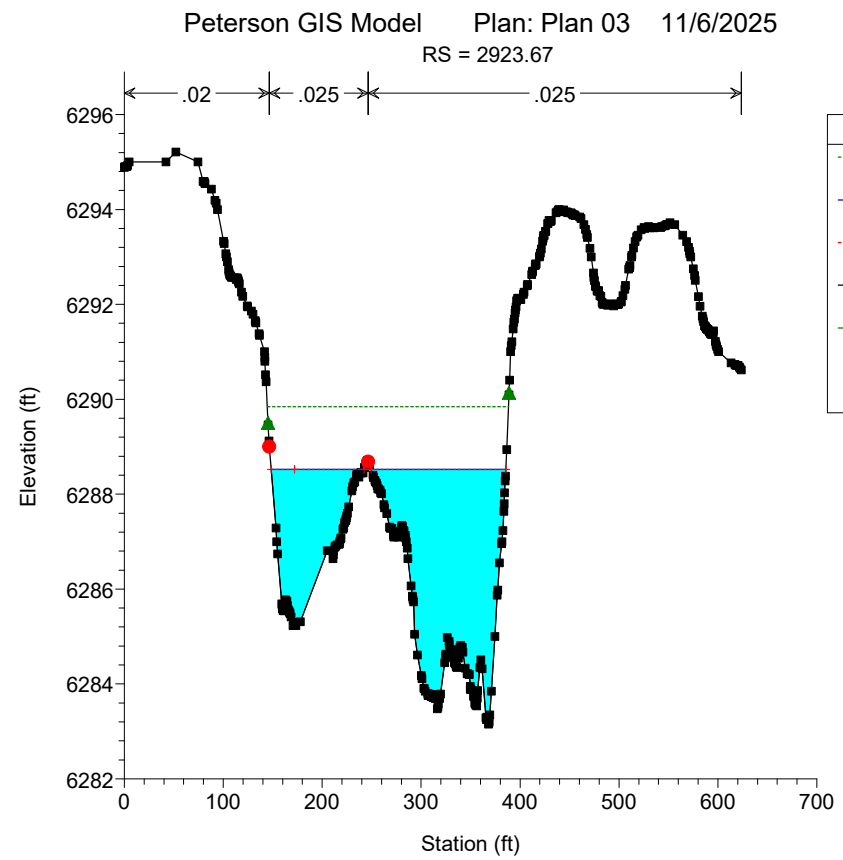
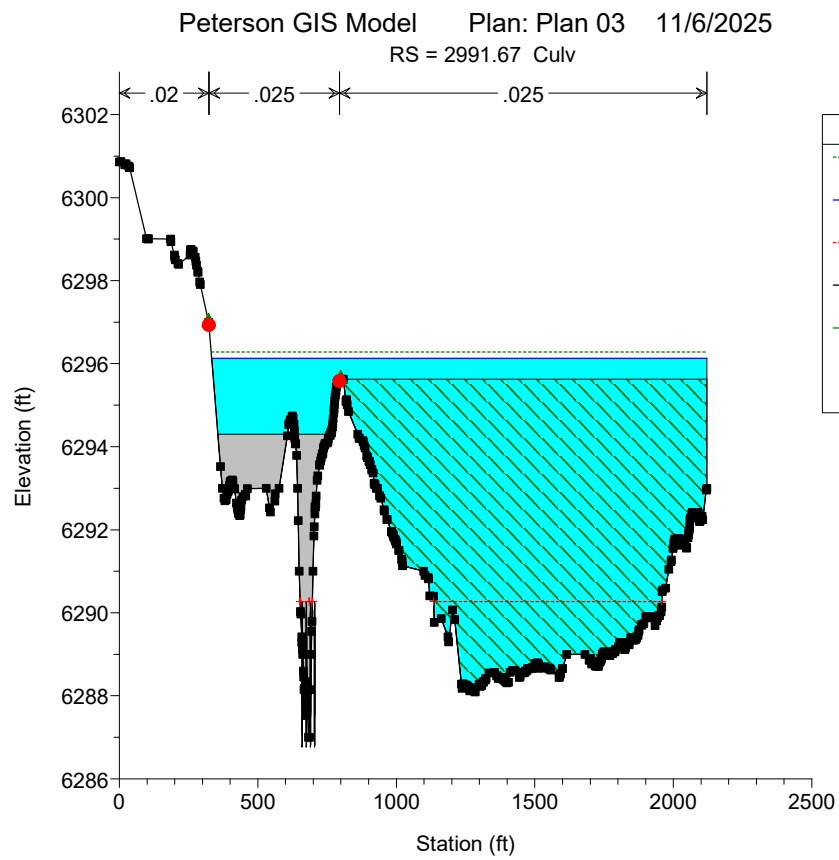
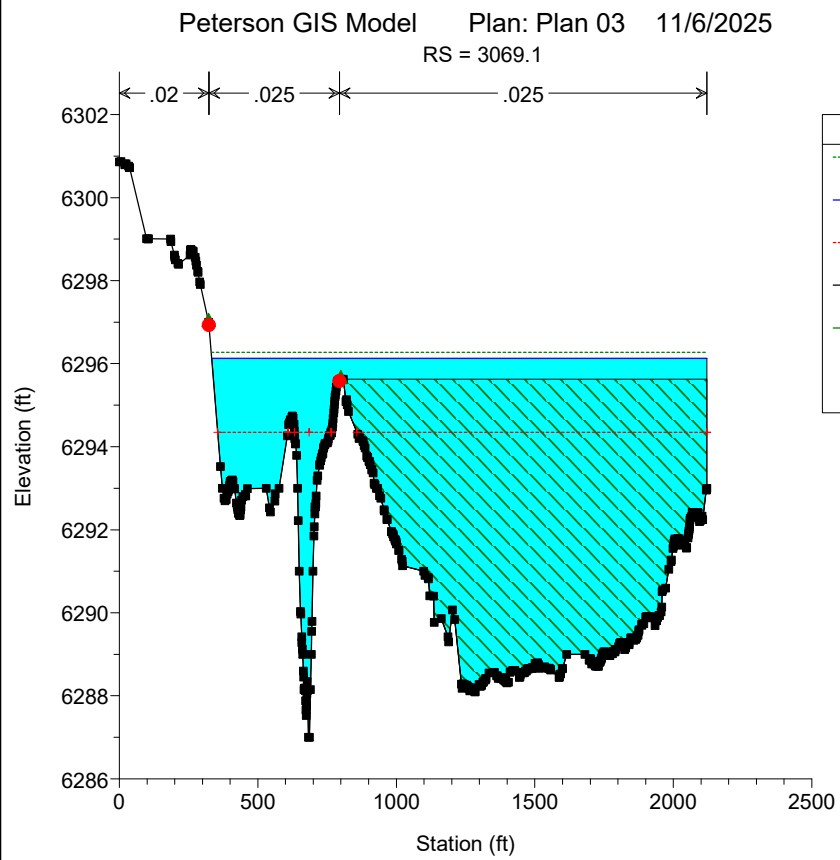
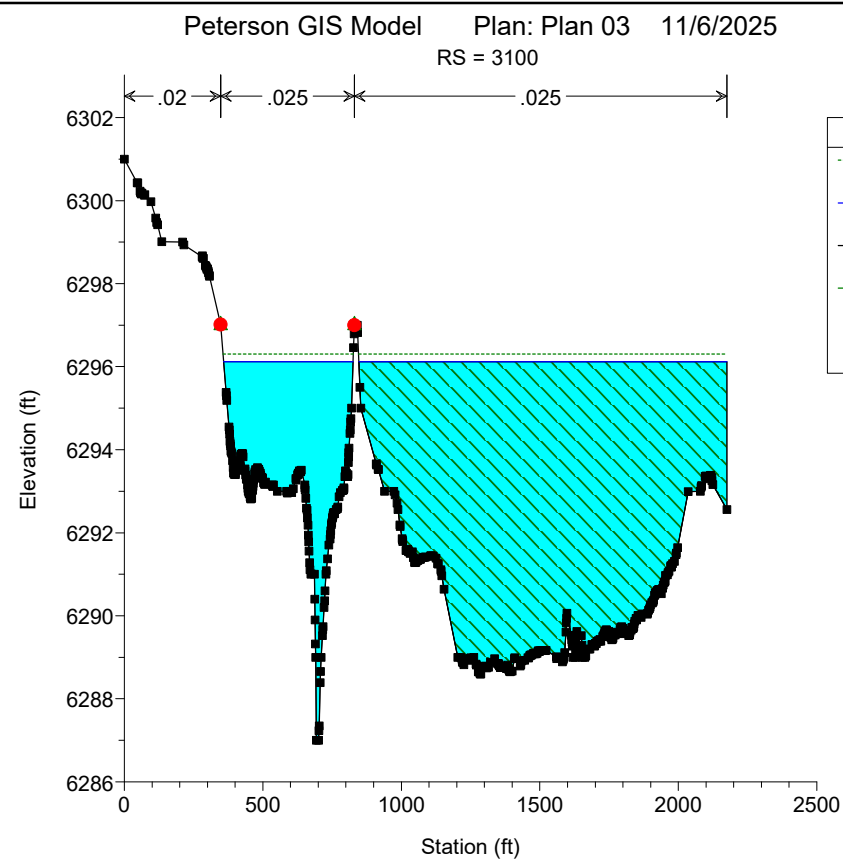
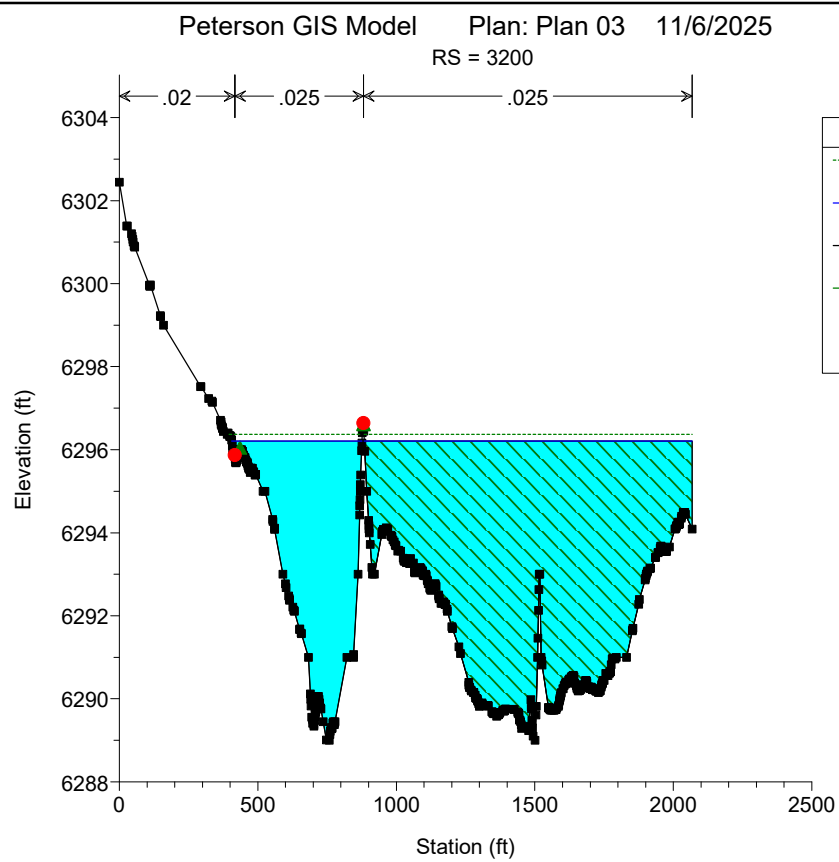
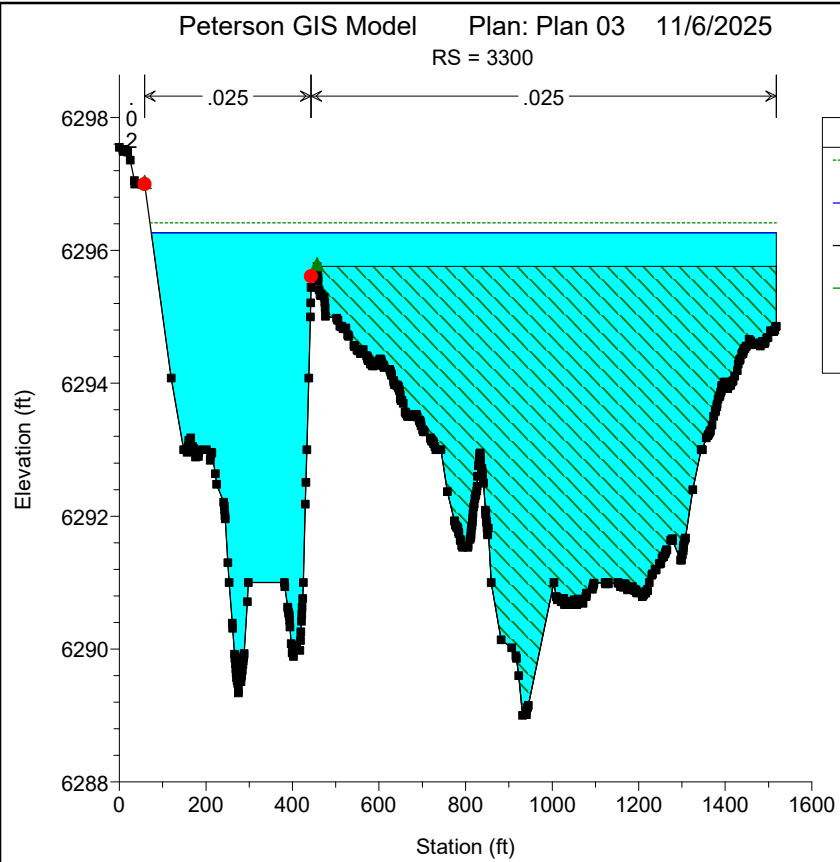
Reach	River Sta	Profile	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
East Fork Sand C	4500	PF 1	5420.0	6305.0	6307.0	6307.0	6307.9	0.007868	7.3	744.2	457.7	1.01
East Fork Sand C	4400	PF 1	5420.0	6303.0	6305.8	6305.8	6306.5	0.008097	6.9	786.4	536.4	1.00
East Fork Sand C	4300	PF 1	5420.0	6301.4	6304.7	6304.7	6305.4	0.008168	6.8	792.0	549.2	1.00
East Fork Sand C	4200	PF 1	5420.0	6301.0	6303.8	6303.8	6304.6	0.008368	6.8	795.8	581.1	1.01
East Fork Sand C	4100	PF 1	5420.0	6299.0	6302.4	6302.4	6303.1	0.008404	6.9	782.2	619.0	1.02
East Fork Sand C	4000	PF 1	5420.0	6297.0	6301.0	6301.0	6301.8	0.008342	6.9	783.9	807.6	1.02
East Fork Sand C	3900	PF 1	5420.0	6295.0	6299.2	6299.2	6300.0	0.007878	7.2	752.1	839.2	1.01
East Fork Sand C	3800	PF 1	5420.0	6293.8	6297.5	6297.5	6298.5	0.007543	8.0	681.6	752.3	1.01
East Fork Sand C	3700	PF 1	5420.0	6293.0	6296.9		6297.5	0.003648	6.4	848.2	724.6	0.73
East Fork Sand C	3600	PF 1	5420.0	6293.0	6296.3		6297.1	0.004584	7.1	762.3	988.6	0.82
East Fork Sand C	3500	PF 1	5420.0	6291.0	6296.2		6296.7	0.001914	5.4	1006.4	1132.6	0.55
East Fork Sand C	3400	PF 1	5420.0	6291.0	6296.3		6296.5	0.000837	4.0	1348.7	1278.9	0.37
East Fork Sand C	3300	PF 1	5420.0	6289.3	6296.3		6296.4	0.000449	3.2	2078.4	1443.9	0.28
East Fork Sand C	3200	PF 1	5420.0	6289.0	6296.2		6296.4	0.000497	3.2	1706.7	1653.4	0.29
East Fork Sand C	3100	PF 1	5420.0	6287.0	6296.1		6296.3	0.000700	3.5	1552.6	1795.5	0.34
East Fork Sand C	3069.1	PF 1	5420.0	6287.0	6296.1	6294.4	6296.3	0.000654	3.3	2121.3	1787.6	0.32
East Fork Sand C	2991.67		Culvert									
East Fork Sand C	2923.67	PF 1	5420.0	6285.2	6288.5	6288.5	6289.8	0.006020	7.0	603.6	229.9	0.90
East Fork Sand C	2900	PF 1	5420.0	6281.4	6286.8	6286.8	6288.4	0.006275	10.1	536.0	278.0	1.00
East Fork Sand C	2700	PF 1	5420.0	6279.0	6285.5	6285.5	6286.4	0.003942	8.1	781.2	427.0	0.80
East Fork Sand C	2600	PF 1	5420.0	6278.0	6284.0	6284.0	6284.9	0.008351	7.4	730.8	457.1	1.03
East Fork Sand C	2500	PF 1	5420.0	6275.1	6282.8	6282.8	6283.7	0.007931	7.3	740.3	453.5	1.01
East Fork Sand C	2400	PF 1	5420.0	6273.0	6281.7	6281.7	6282.5	0.008135	7.1	761.9	534.7	1.01
East Fork Sand C	2300	PF 1	5420.0	6273.0	6280.8	6280.8	6281.6	0.007609	7.2	749.1	452.4	0.99
East Fork Sand C	2200	PF 1	5420.0	6273.0	6279.9	6279.7	6280.6	0.005288	6.9	784.5	386.4	0.85
East Fork Sand C	2100	PF 1	5420.0	6271.0	6278.9	6278.9	6280.0	0.007058	8.4	645.2	293.8	1.00
East Fork Sand C	2000	PF 1	5420.0	6271.0	6277.5	6277.5	6278.7	0.006972	9.0	601.0	244.5	1.01
East Fork Sand C	1900	PF 1	5420.0	6271.0	6275.9	6275.9	6277.1	0.007014	8.7	621.4	267.1	1.01
East Fork Sand C	1800	PF 1	5420.0	6269.1	6274.4	6274.4	6275.4	0.007539	7.8	691.4	398.8	1.01
East Fork Sand C	1700	PF 1	5420.0	6263.0	6273.1		6273.4	0.000974	4.8	1140.6	317.4	0.41
East Fork Sand C	1600	PF 1	5420.0	6263.5	6271.7	6271.7	6273.1	0.006804	9.5	572.5	233.1	1.01
East Fork Sand C	1500	PF 1	5420.0	6261.0	6269.7	6269.7	6271.1	0.006972	9.5	568.7	225.2	1.02
East Fork Sand C	1400	PF 1	5420.0	6259.0	6268.3	6268.3	6269.9	0.006459	10.1	534.8	179.1	1.01
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East Fork Sand C	1200	PF 1	5420.0	6257.0	6266.4	6266.4	6268.1	0.006394	10.5	518.4	181.8	1.01
East Fork Sand C	1100	PF 1	5420.0	6257.0	6264.5	6264.5	6266.1	0.006246	10.3	528.1	161.1	1.00
East Fork Sand C	1000	PF 1	5420.0	6257.0	6263.5	6263.5	6264.7	0.007111	8.7	622.1	319.8	1.01
East Fork Sand C	927.42	PF 1	5420.0	6257.0	6262.4	6262.4	6263.9	0.006555	9.8	555.1	190.8	1.01
East Fork Sand C	770.62	PF 1	5420.0	6257.0	6262.0		6262.8	0.002101	7.5	726.9	156.4	0.61
East Fork Sand C	592.7	PF 1	5420.0	6257.0	6260.5	6260.5	6262.1	0.006317	10.4	523.0	158.5	1.01
East Fork Sand C	500	PF 1	5420.0	6255.0	6259.0	6258.2	6259.6	0.002684	6.1	882.8	534.3	0.64
East Fork Sand C	400	PF 1	5420.0	6254.7	6257.8	6257.8	6259.1	0.006733	9.3	585.6	234.6	1.01
East Fork Sand C	300	PF 1	5420.0	6240.4	6249.8		6250.5	0.001540	7.0	771.9	144.6	0.54
East Fork Sand C	200	PF 1	5420.0	6239.0	6247.3	6247.3	6250.1	0.005577	13.2	409.5	75.8	1.00
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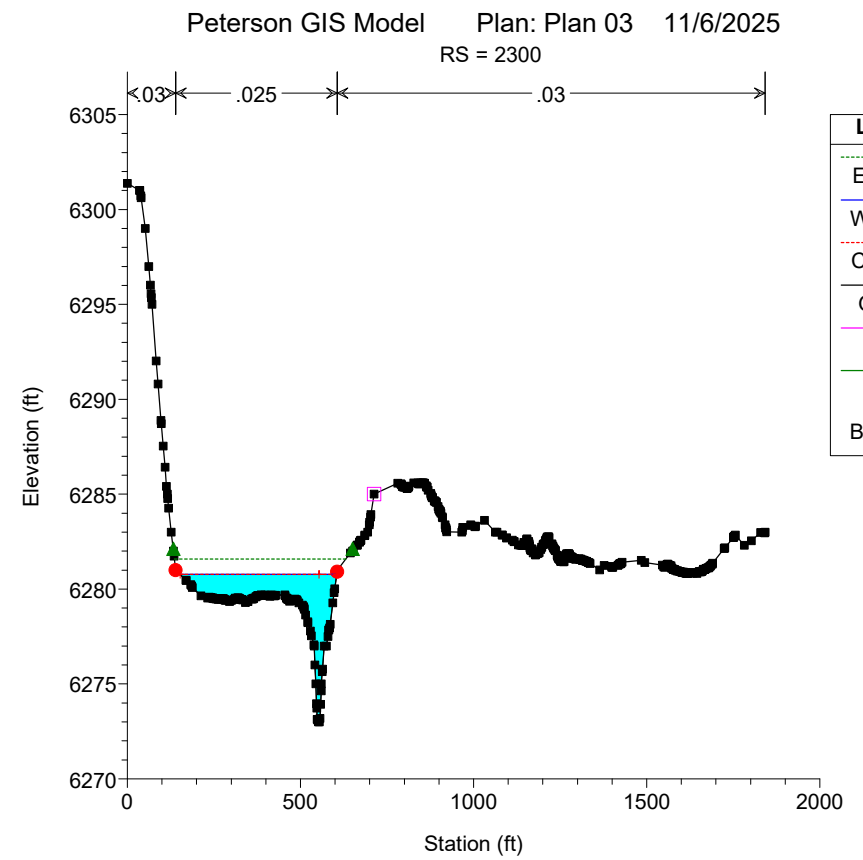
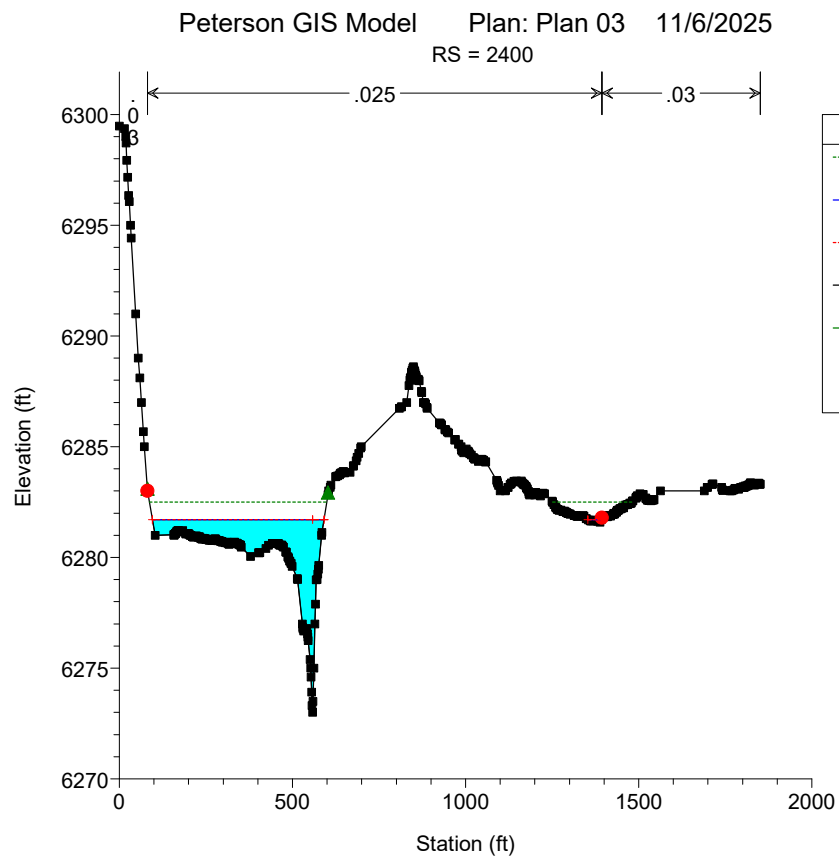
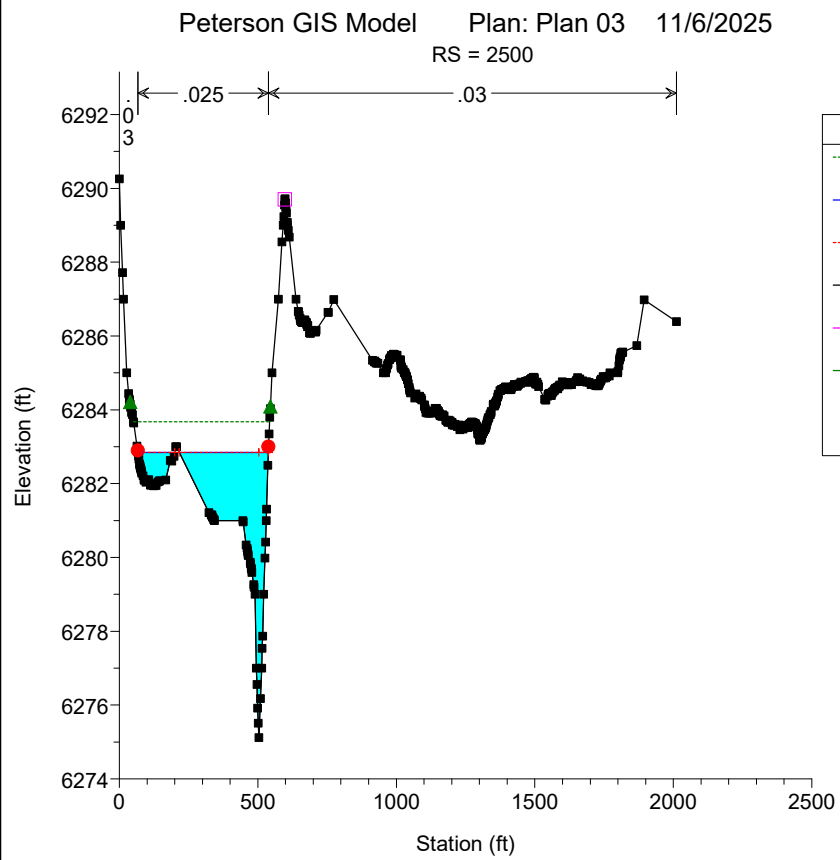
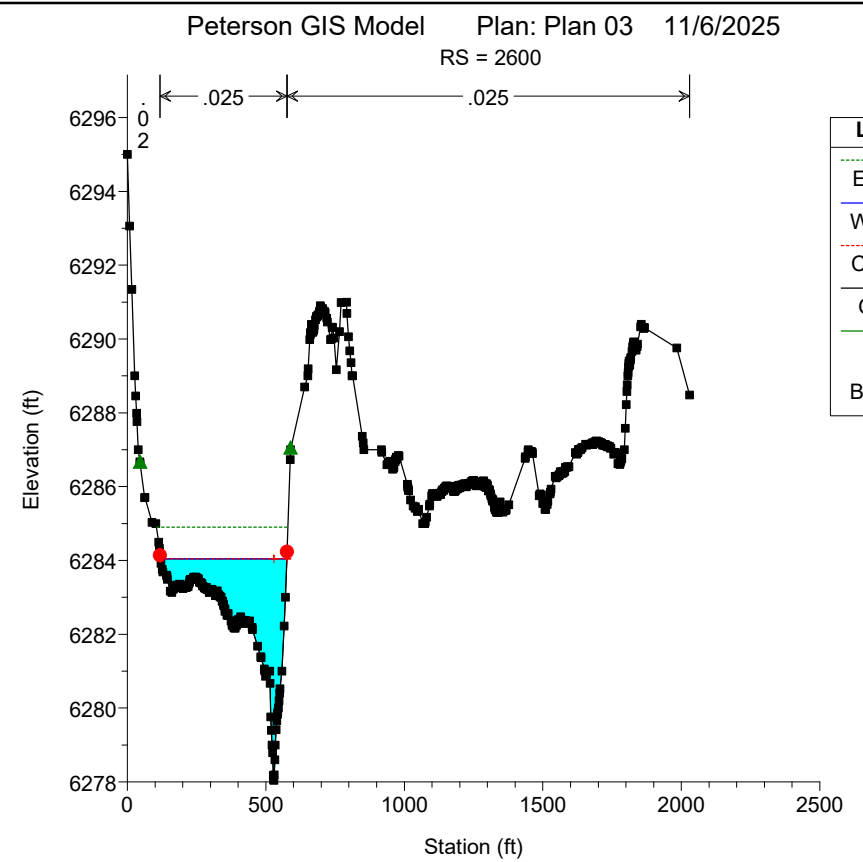
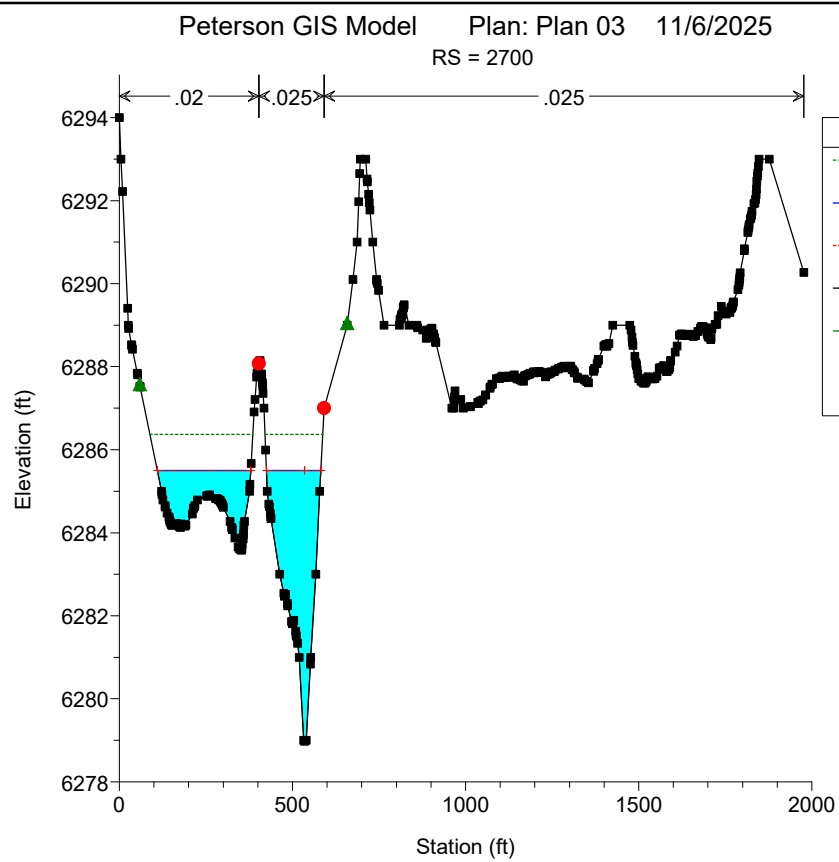
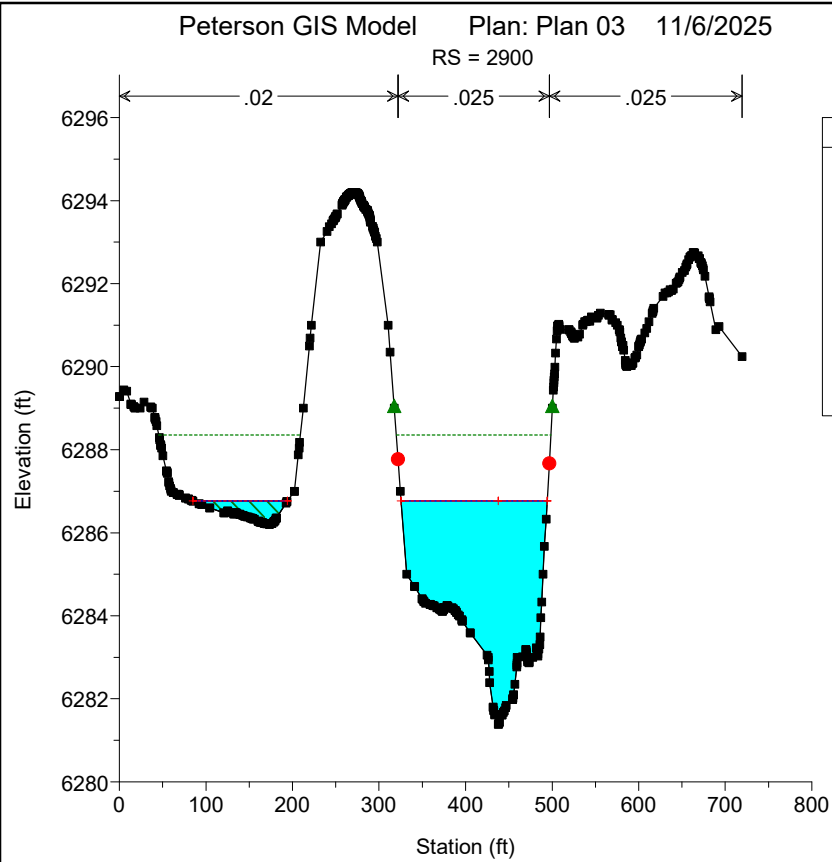
SECTIONS CONTAINING
IMPROVEMENTS WITHIN THE
FLOODPLAIN BEEN HIGHLIGHTED

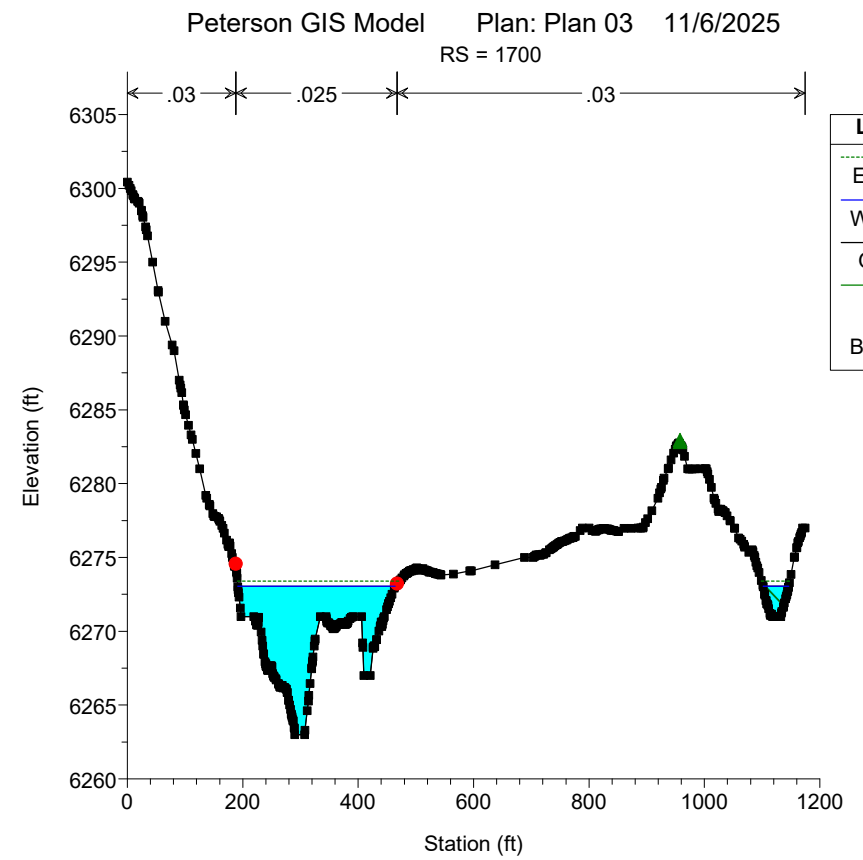
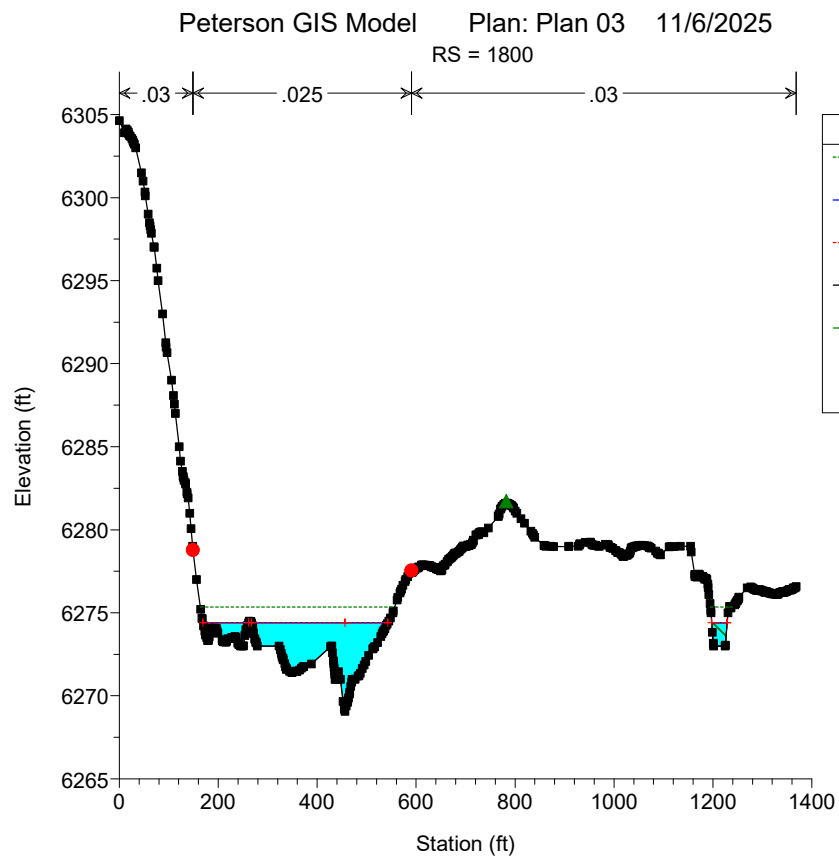
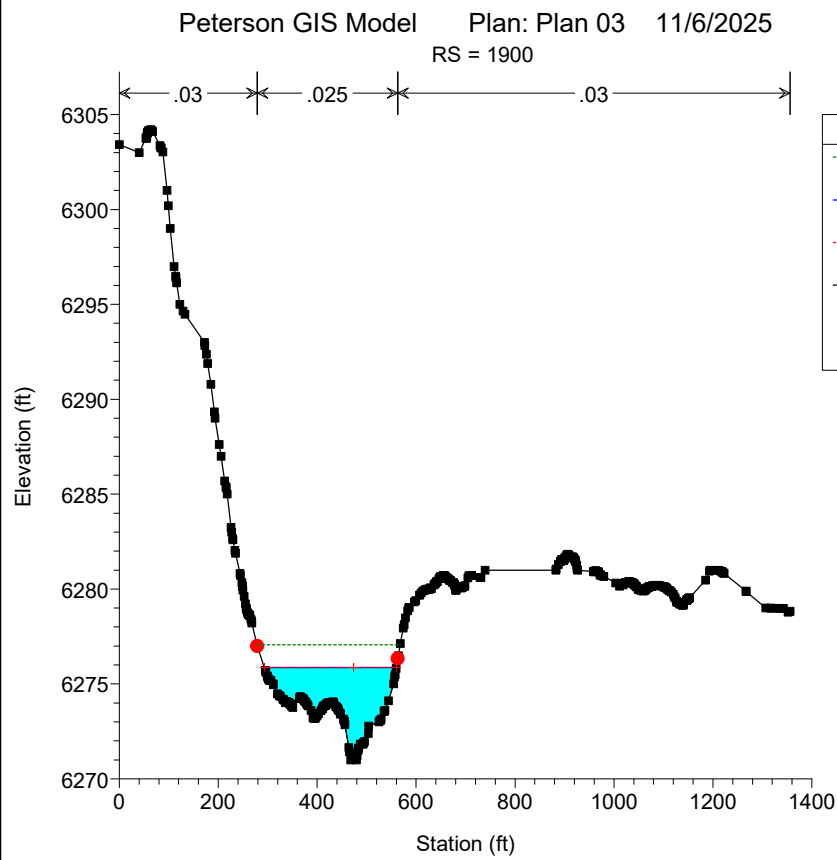
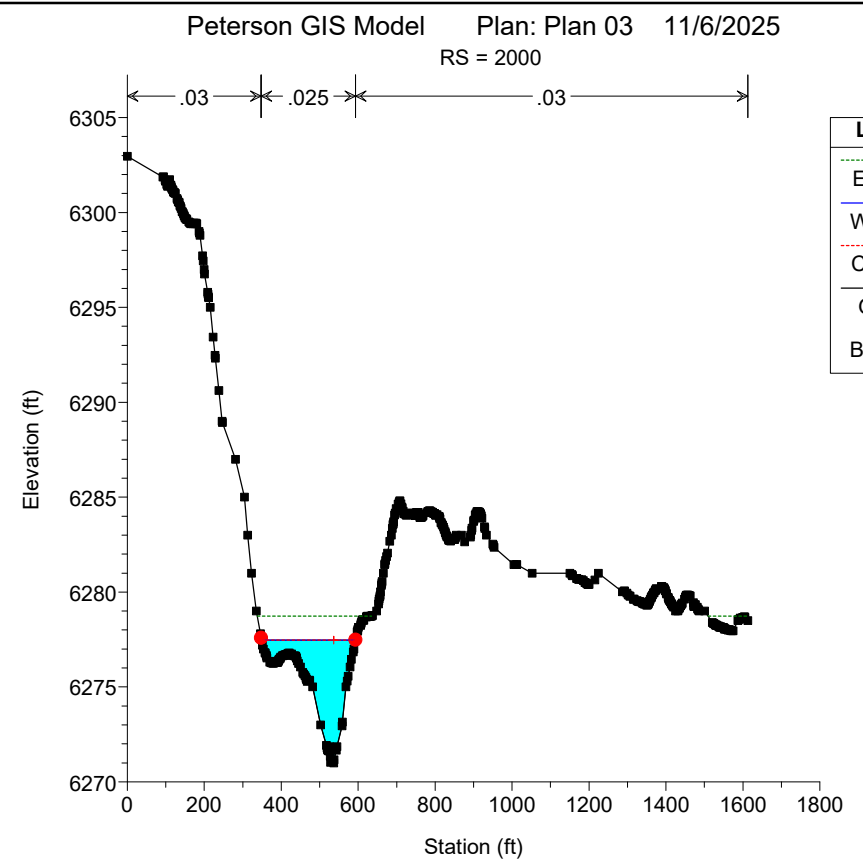
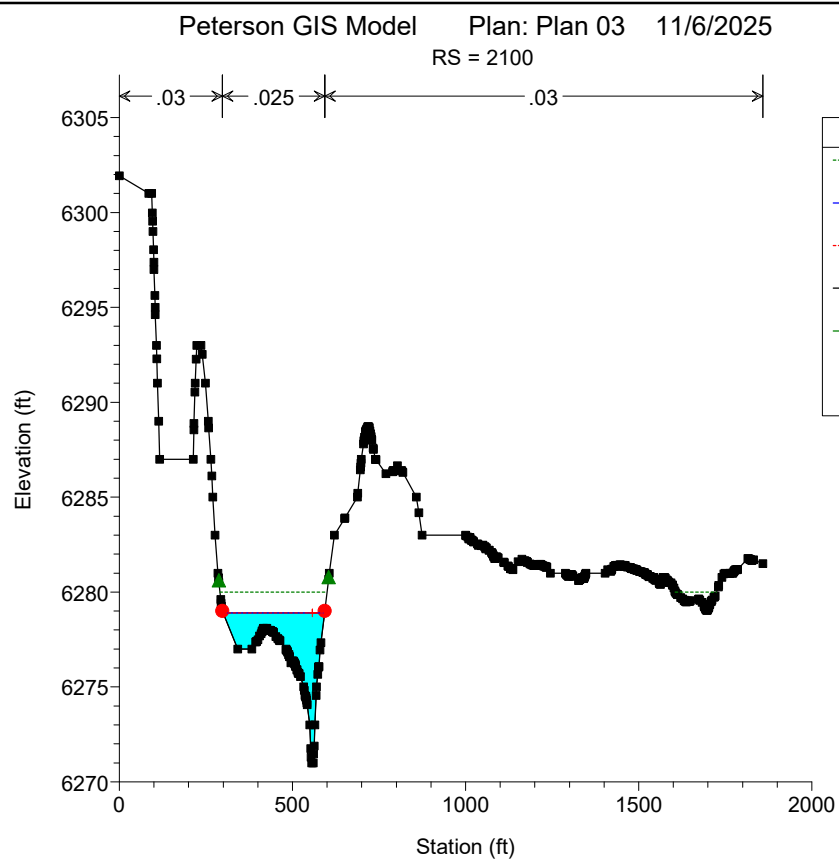
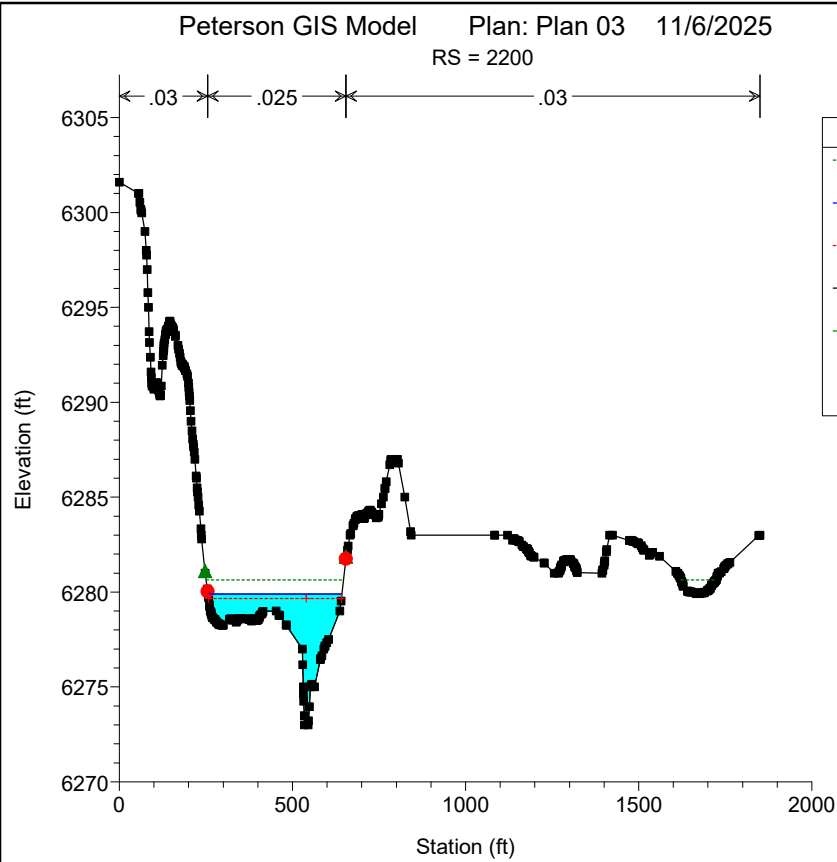


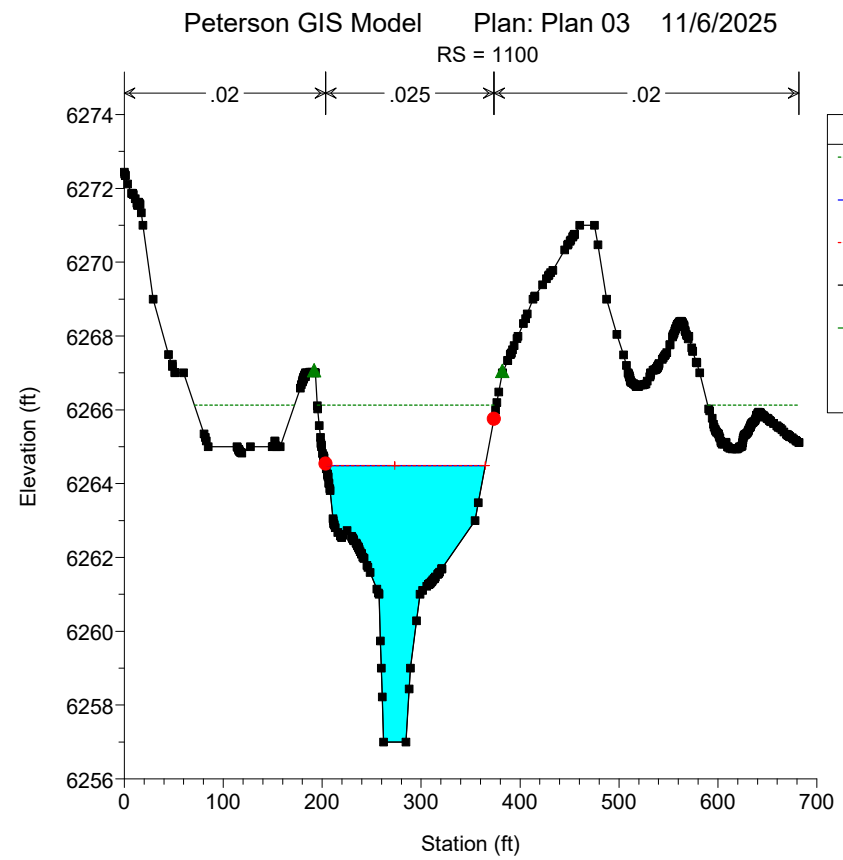
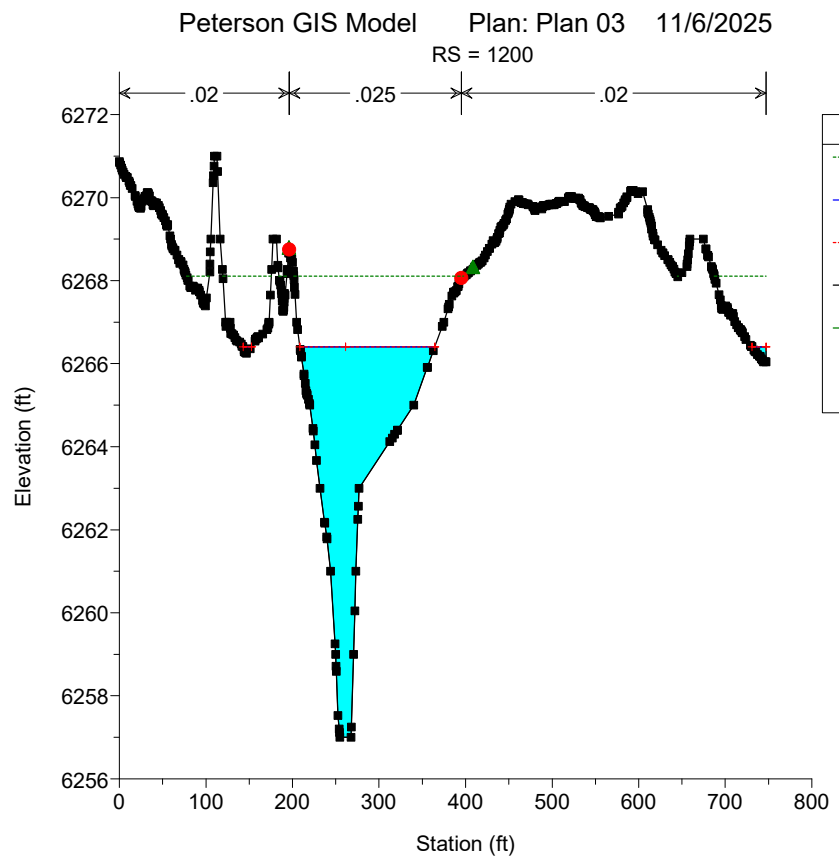
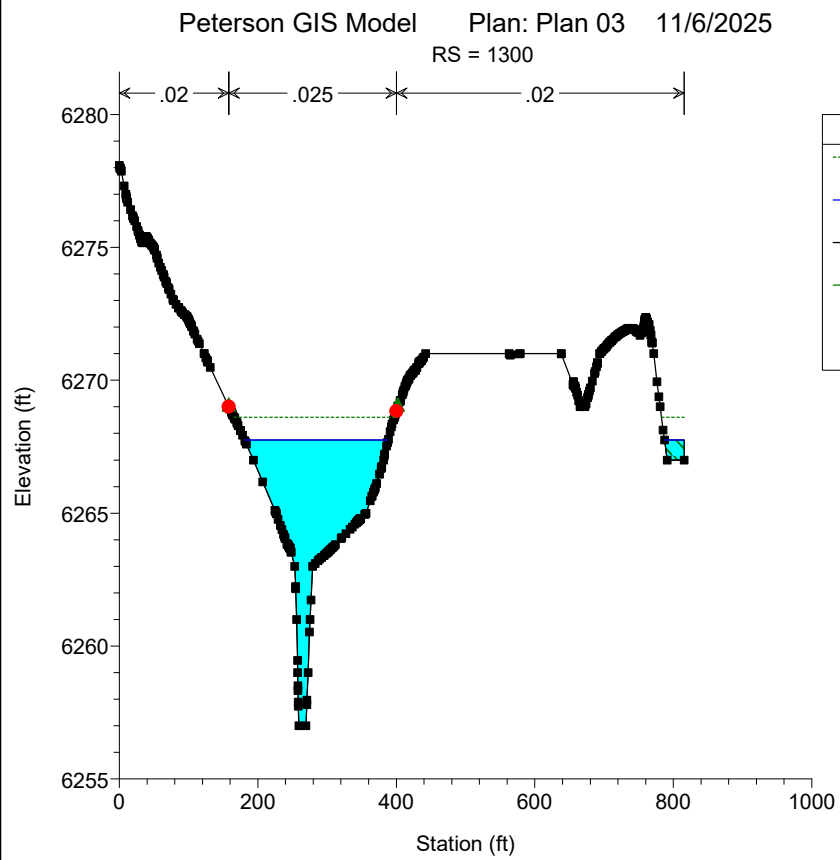
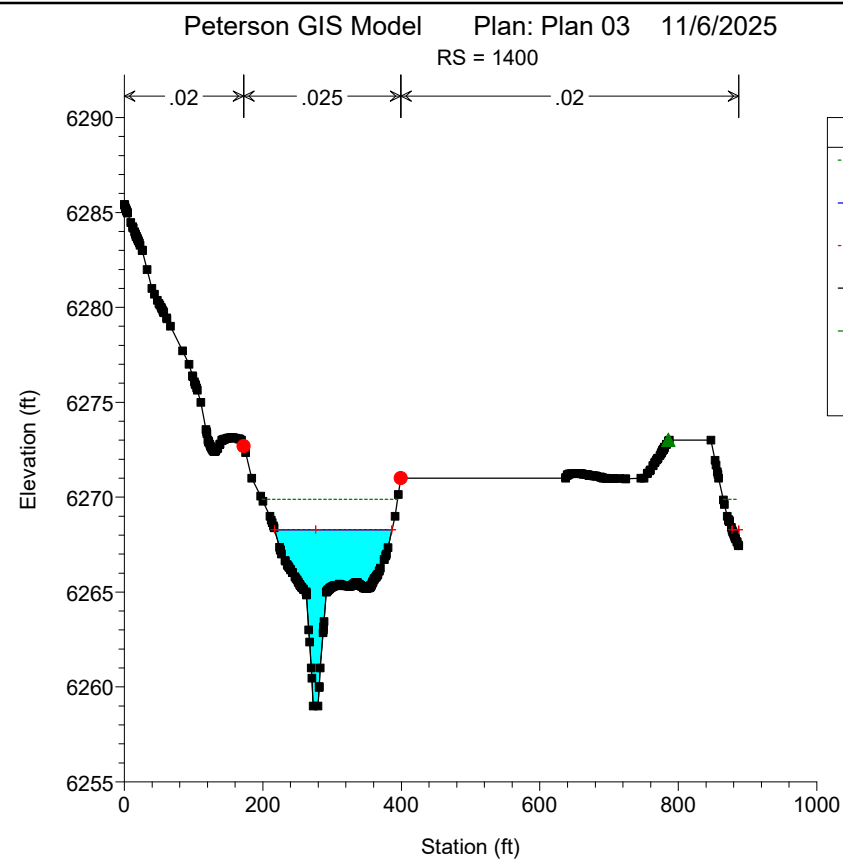
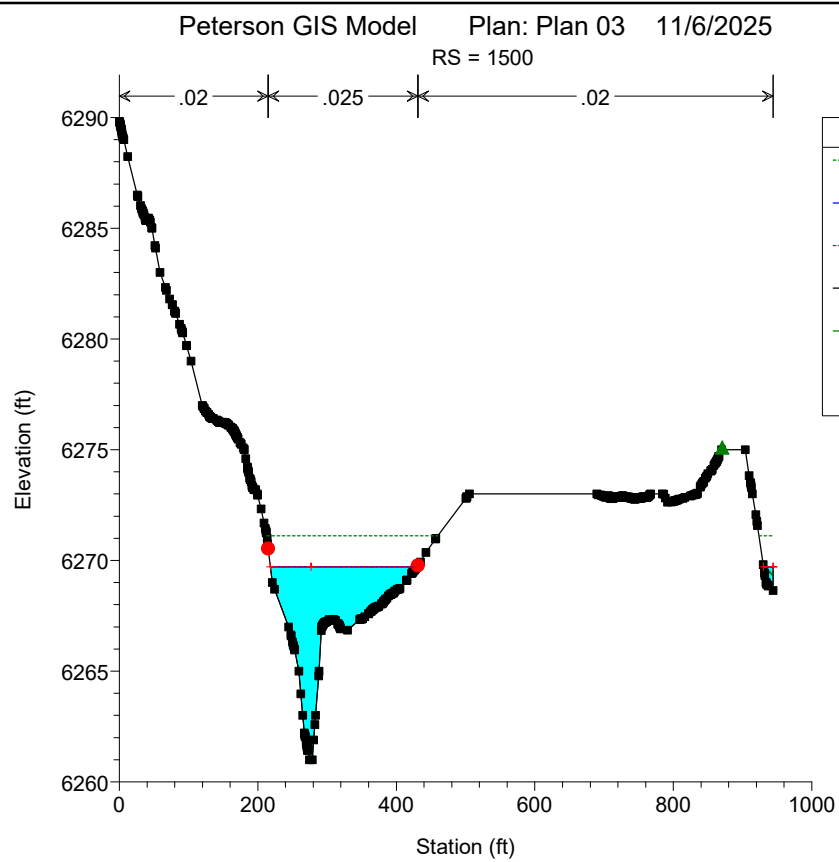
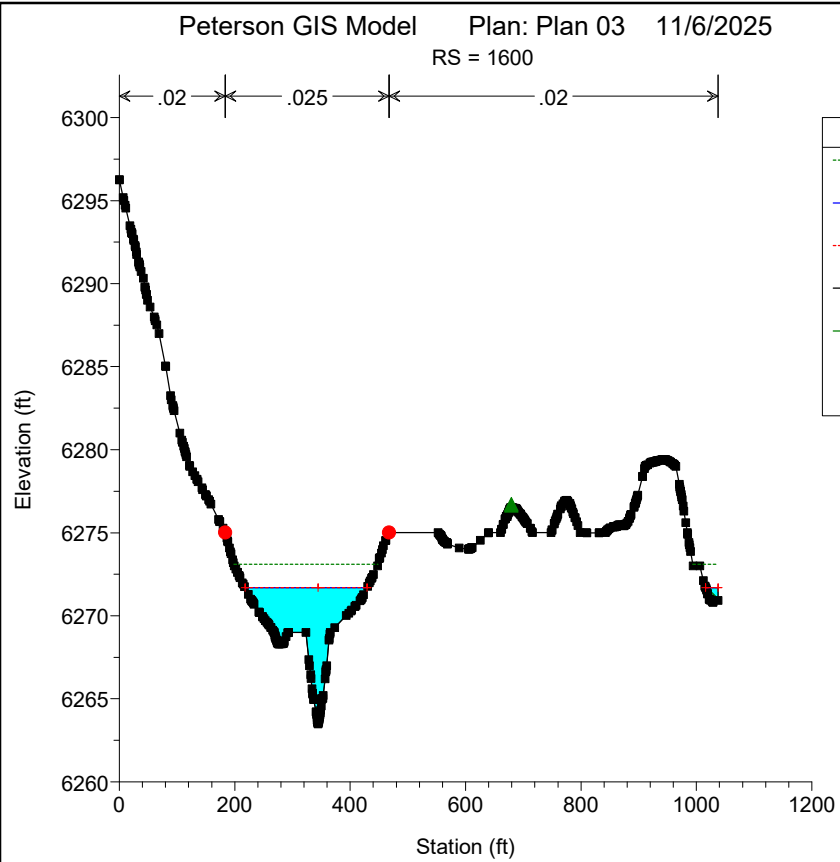


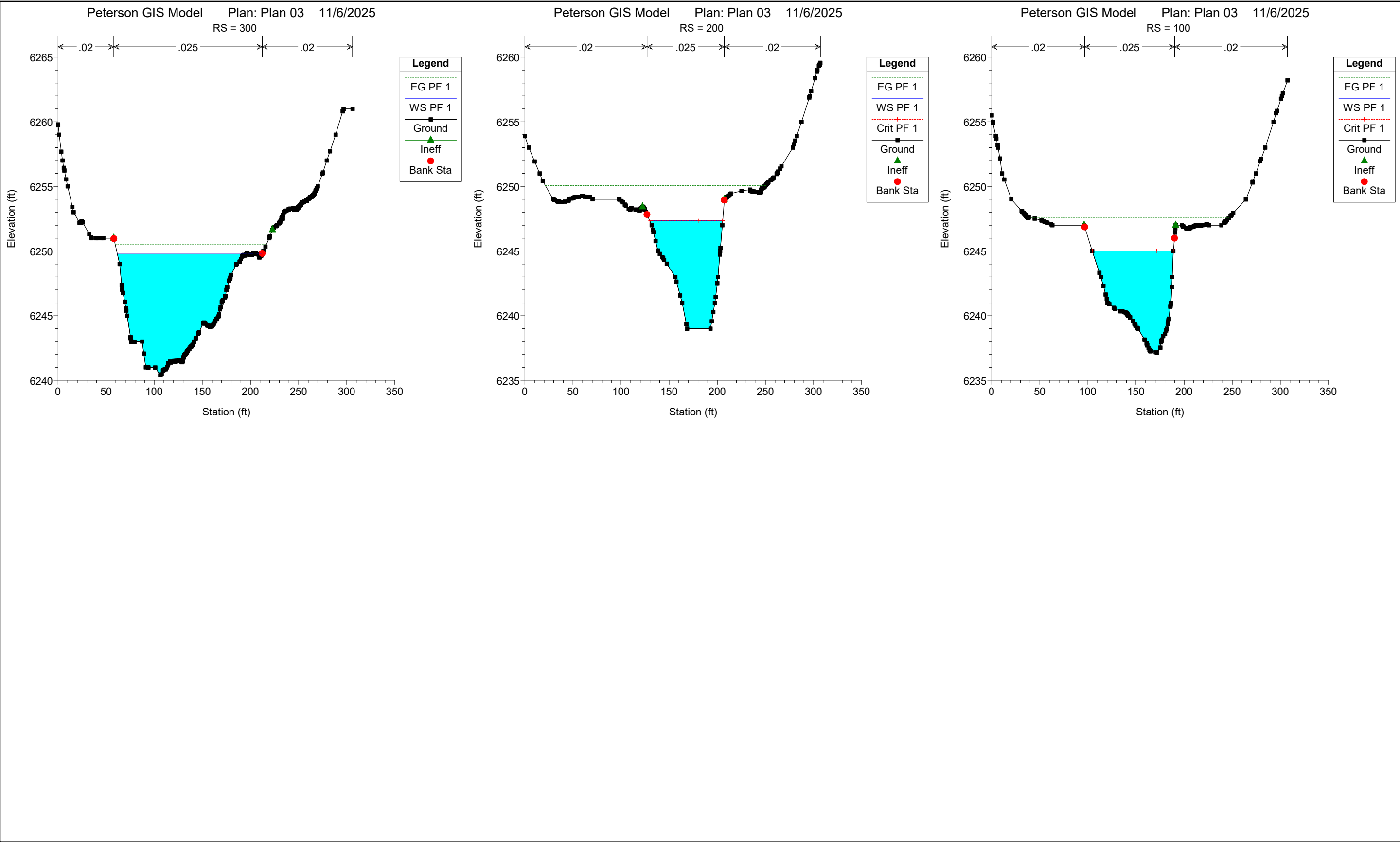










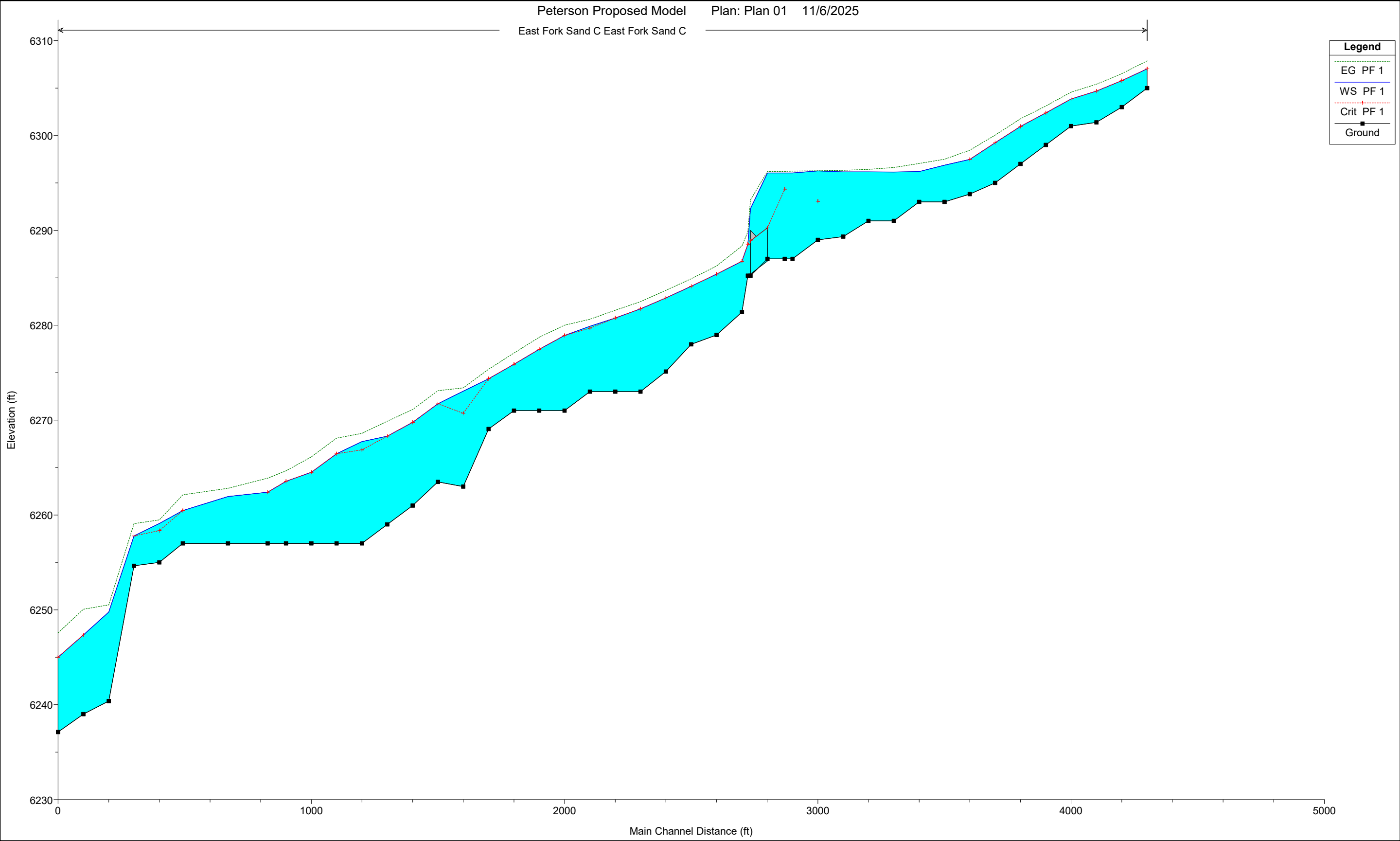


PROPOSED CONDITIONS HEC-RAS MODEL

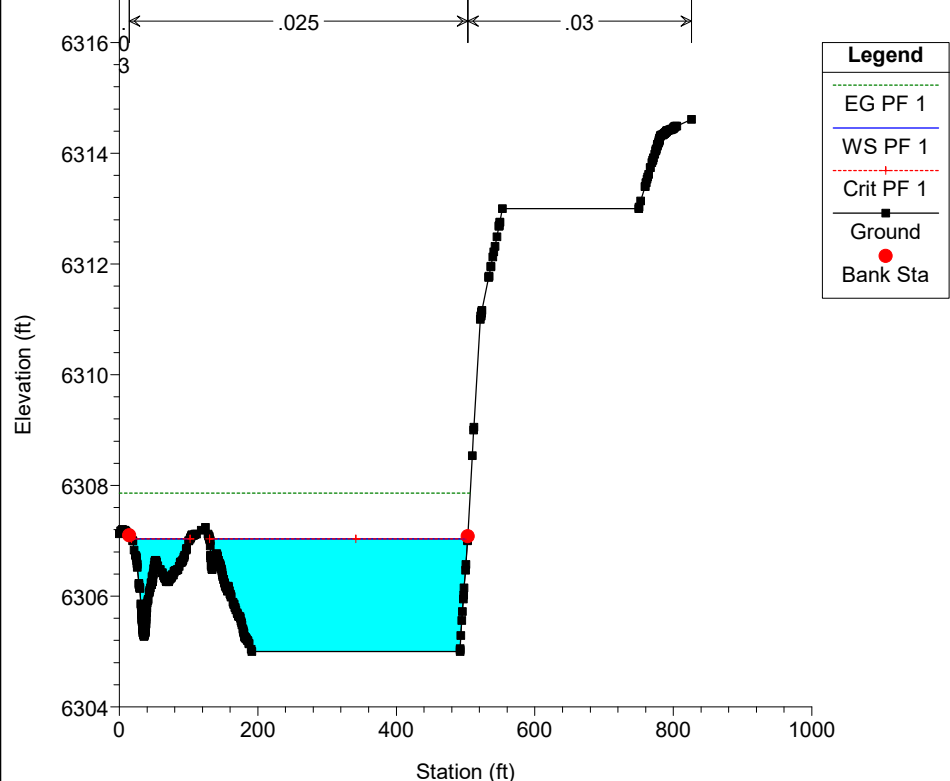
HEC-RAS Plan: Plan 01 River: East Fork Sand C Reach: East Fork Sand C Profile: PF 1

Reach	River Sta	Profile	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
East Fork Sand C	4500	PF 1	5420.0	6305.0	6307.0	6307.0	6307.9	0.007923	7.3	742.4	457.3	1.01
East Fork Sand C	4400	PF 1	5420.0	6303.0	6305.8	6305.8	6306.5	0.008091	6.9	786.6	536.4	1.00
East Fork Sand C	4300	PF 1	5420.0	6301.4	6304.7	6304.7	6305.4	0.008159	6.8	792.4	549.3	1.00
East Fork Sand C	4200	PF 1	5420.0	6301.0	6303.8	6303.8	6304.6	0.008342	6.8	796.5	581.1	1.01
East Fork Sand C	4100	PF 1	5420.0	6299.0	6302.4	6302.4	6303.1	0.008103	6.8	792.1	554.2	1.00
East Fork Sand C	4000	PF 1	5420.0	6297.0	6301.0	6301.0	6301.8	0.007627	7.1	759.5	641.9	0.99
East Fork Sand C	3900	PF 1	5420.0	6295.0	6299.2	6299.2	6300.0	0.007877	7.2	752.1	732.6	1.00
East Fork Sand C	3800	PF 1	5420.0	6293.8	6297.5	6297.5	6298.5	0.007535	8.0	681.7	732.0	1.01
East Fork Sand C	3700	PF 1	5420.0	6293.0	6296.9		6297.5	0.003611	6.4	851.2	725.3	0.73
East Fork Sand C	3600	PF 1	5420.0	6293.0	6296.2		6297.1	0.005046	7.3	747.5	985.3	0.85
East Fork Sand C	3500	PF 1	5420.0	6291.0	6296.2		6296.7	0.002024	5.5	988.4	1125.4	0.56
East Fork Sand C	3400	PF 1	5420.0	6291.0	6296.2		6296.5	0.000875	4.1	1329.2	1275.8	0.38
East Fork Sand C	3300	PF 1	5420.0	6289.3	6296.3		6296.4	0.000283	2.6	2374.6	1355.7	0.22
East Fork Sand C	3200	PF 1	5420.0	6289.0	6296.2		6296.3	0.000521	3.2	1682.2	1568.4	0.30
East Fork Sand C	3100	PF 1	5420.0	6287.0	6296.1		6296.3	0.000741	3.6	1525.0	1794.2	0.35
East Fork Sand C	3069.1	PF 1	5420.0	6287.0	6296.1	6294.4	6296.2	0.000725	3.4	2036.2	1867.7	0.34
East Fork Sand C	2991.67		Culvert									
East Fork Sand C	2923.67	PF 1	5420.0	6285.2	6288.5	6288.5	6289.8	0.005925	6.9	607.2	230.4	0.89
East Fork Sand C	2900	PF 1	5420.0	6281.4	6286.7	6286.7	6288.4	0.006336	10.2	532.9	275.4	1.01
East Fork Sand C	2700	PF 1	5420.0	6279.0	6285.4	6285.4	6286.2	0.007448	7.4	732.8	422.2	0.99
East Fork Sand C	2600	PF 1	5420.0	6278.0	6284.0	6284.0	6284.9	0.008351	7.4	730.8	457.1	1.03
East Fork Sand C	2500	PF 1	5420.0	6275.1	6282.8	6282.8	6283.7	0.007931	7.3	740.3	453.5	1.01
East Fork Sand C	2400	PF 1	5420.0	6273.0	6281.7	6281.7	6282.5	0.007703	7.0	774.8	538.0	0.99
East Fork Sand C	2300	PF 1	5420.0	6273.0	6280.8	6280.8	6281.6	0.007609	7.2	749.1	452.4	0.99
East Fork Sand C	2200	PF 1	5420.0	6273.0	6279.9	6279.7	6280.6	0.005363	6.9	781.1	386.2	0.86
East Fork Sand C	2100	PF 1	5420.0	6271.0	6278.9	6278.9	6280.0	0.006849	8.3	651.5	294.4	0.99
East Fork Sand C	2000	PF 1	5420.0	6271.0	6277.5	6277.5	6278.7	0.006972	9.0	601.0	244.5	1.01
East Fork Sand C	1900	PF 1	5420.0	6271.0	6275.9	6275.9	6277.1	0.007014	8.7	621.4	267.1	1.01
East Fork Sand C	1800	PF 1	5420.0	6269.1	6274.4	6274.4	6275.4	0.007539	7.8	691.4	398.8	1.01
East Fork Sand C	1700	PF 1	5420.0	6263.0	6273.0		6273.4	0.000978	4.8	1139.0	317.2	0.41
East Fork Sand C	1600	PF 1	5420.0	6263.5	6271.7	6271.7	6273.1	0.006611	9.4	578.3	234.2	1.00
East Fork Sand C	1500	PF 1	5420.0	6261.0	6269.7	6269.7	6271.1	0.006972	9.5	568.7	225.2	1.02
East Fork Sand C	1400	PF 1	5420.0	6259.0	6268.3	6268.3	6269.9	0.006254	10.0	540.6	179.9	0.99
East Fork Sand C	1300	PF 1	5420.0	6257.0	6267.8		6268.6	0.003034	7.4	727.6	235.5	0.70
East Fork Sand C	1200	PF 1	5420.0	6257.0	6266.4	6266.4	6268.1	0.006394	10.5	518.4	181.8	1.01
East Fork Sand C	1100	PF 1	5420.0	6257.0	6264.5	6264.5	6266.1	0.006246	10.3	528.1	161.1	1.00
East Fork Sand C	1000	PF 1	5420.0	6257.0	6263.5	6263.5	6264.7	0.007106	8.7	622.3	319.8	1.01
East Fork Sand C	927.42	PF 1	5420.0	6257.0	6262.4	6262.4	6263.9	0.006555	9.8	555.1	190.8	1.01
East Fork Sand C	770.62	PF 1	5420.0	6257.0	6262.0		6262.8	0.002101	7.5	726.9	156.4	0.61
East Fork Sand C	592.7	PF 1	5420.0	6257.0	6260.5	6260.5	6262.1	0.006317	10.4	523.0	158.5	1.01
East Fork Sand C	500	PF 1	5420.0	6255.0	6259.0	6258.2	6259.6	0.002684	6.1	882.8	534.3	0.64
East Fork Sand C	400	PF 1	5420.0	6254.7	6257.8	6257.8	6259.1	0.006733	9.3	585.6	234.6	1.01
East Fork Sand C	300	PF 1	5420.0	6240.4	6249.8		6250.5	0.001540	7.0	771.9	144.6	0.54
East Fork Sand C	200	PF 1	5420.0	6239.0	6247.3	6247.3	6250.1	0.005577	13.2	409.5	75.8	1.00
East Fork Sand C	100	PF 1	5420.0	6237.1	6245.0	6245.0	6247.6	0.005723	12.8	423.0	84.2	1.01

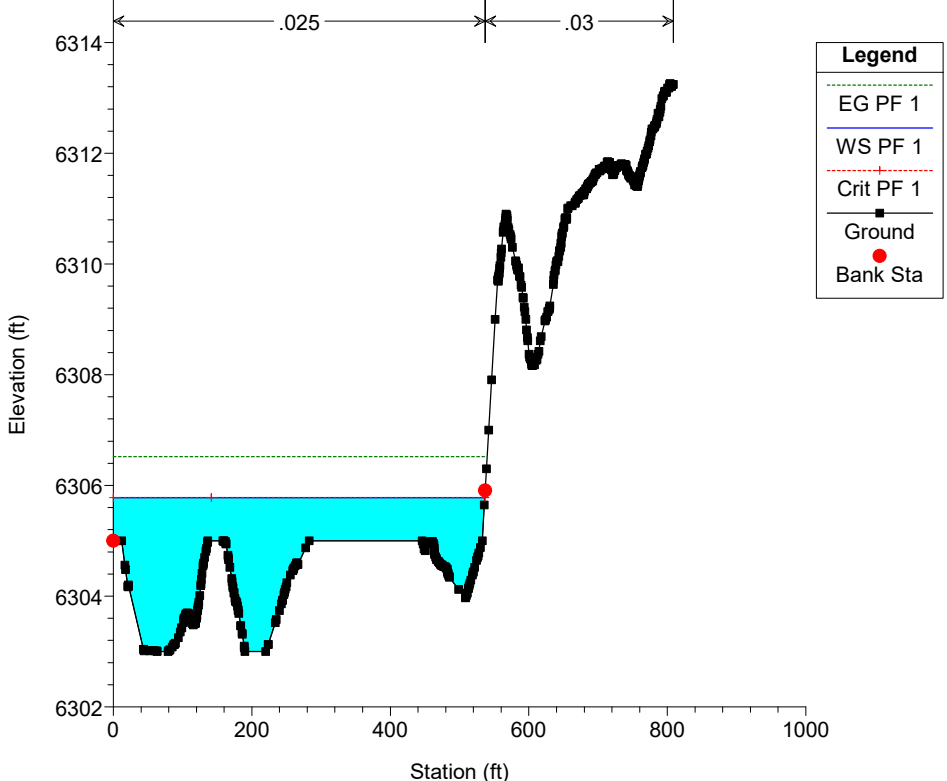
SECTIONS CONTAINING
IMPROVEMENTS WITHIN THE
FLOODPLAIN BEEN HIGHLIGHTED



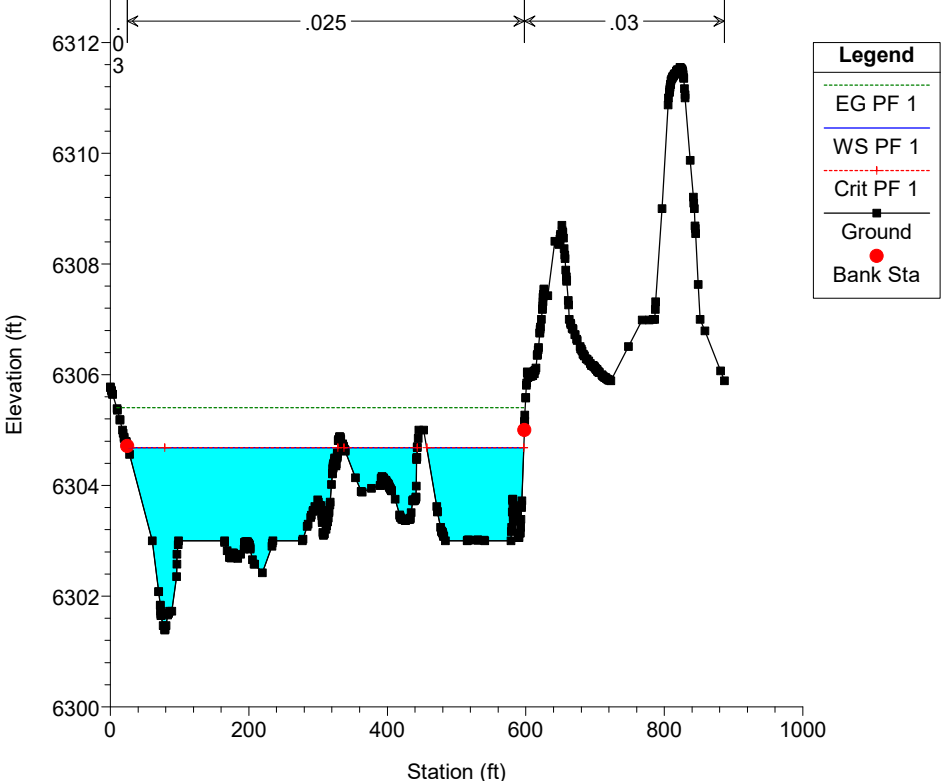
Peterson Proposed Model Plan: Plan 01 11/6/2025
RS = 4500



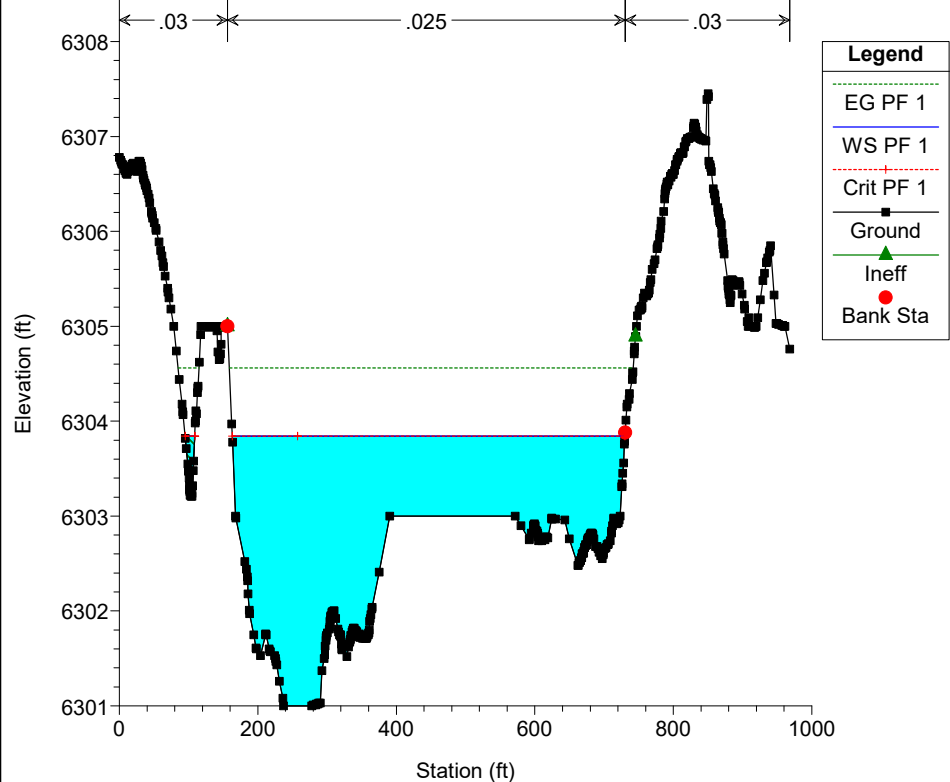
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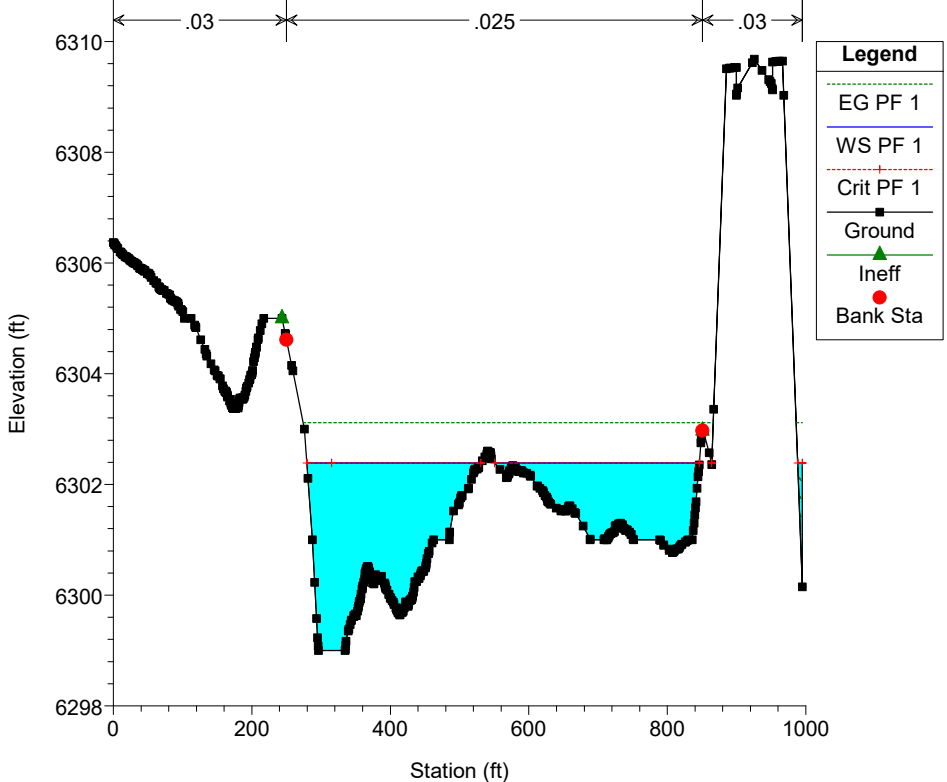
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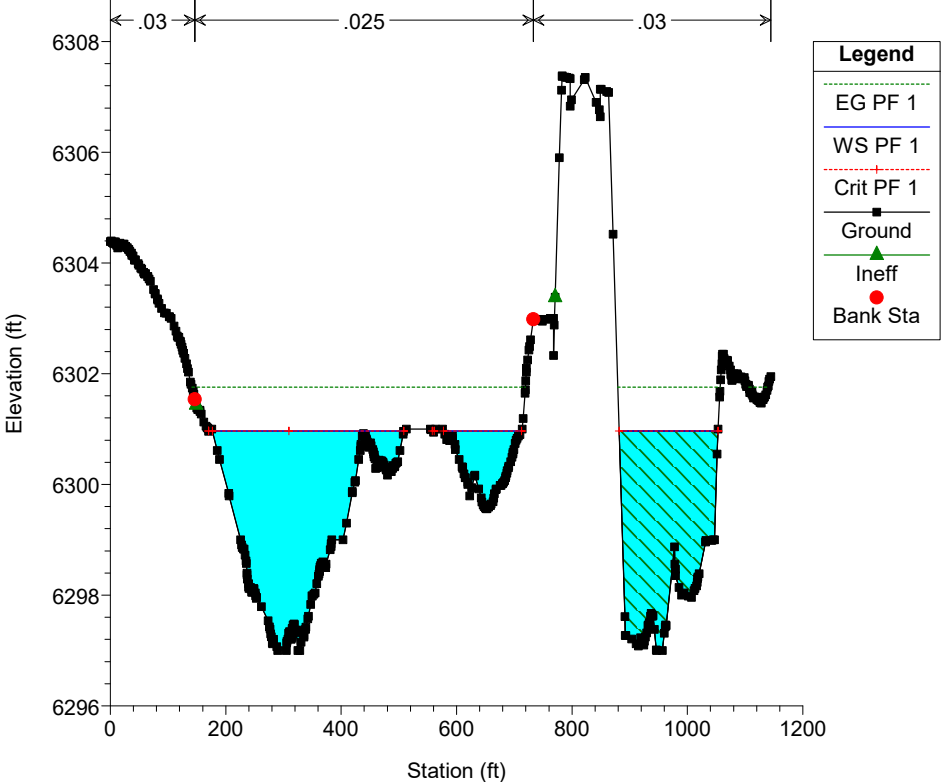
Peterson Proposed Model Plan: Plan 01 11/6/2025
RS = 4200



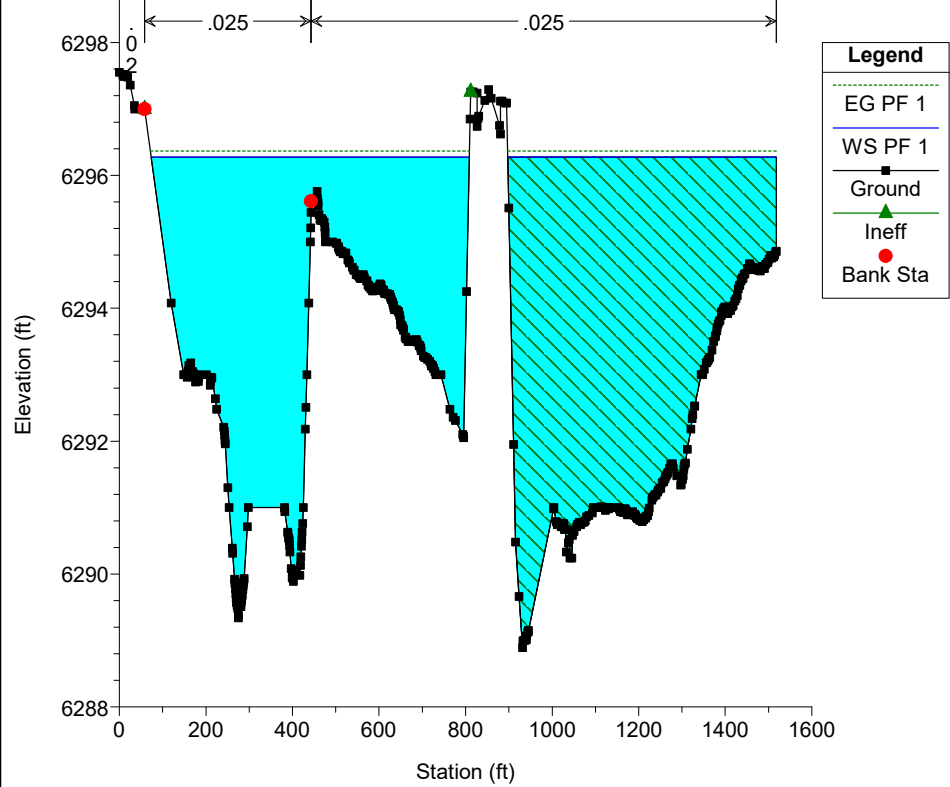
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RS = 4100



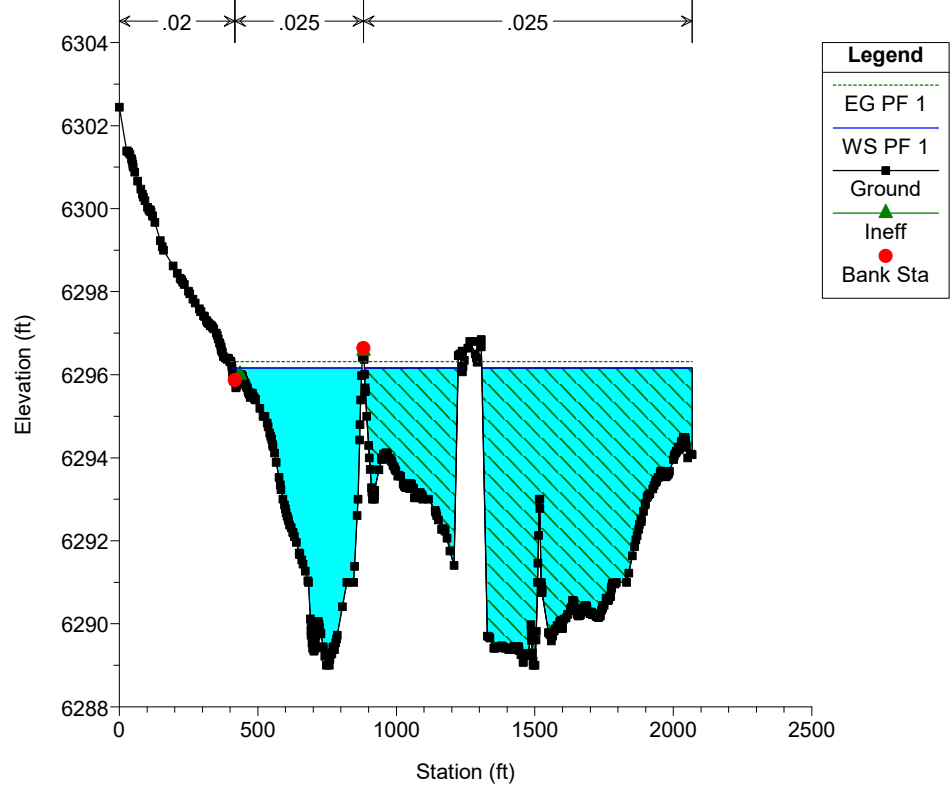
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RS = 4000



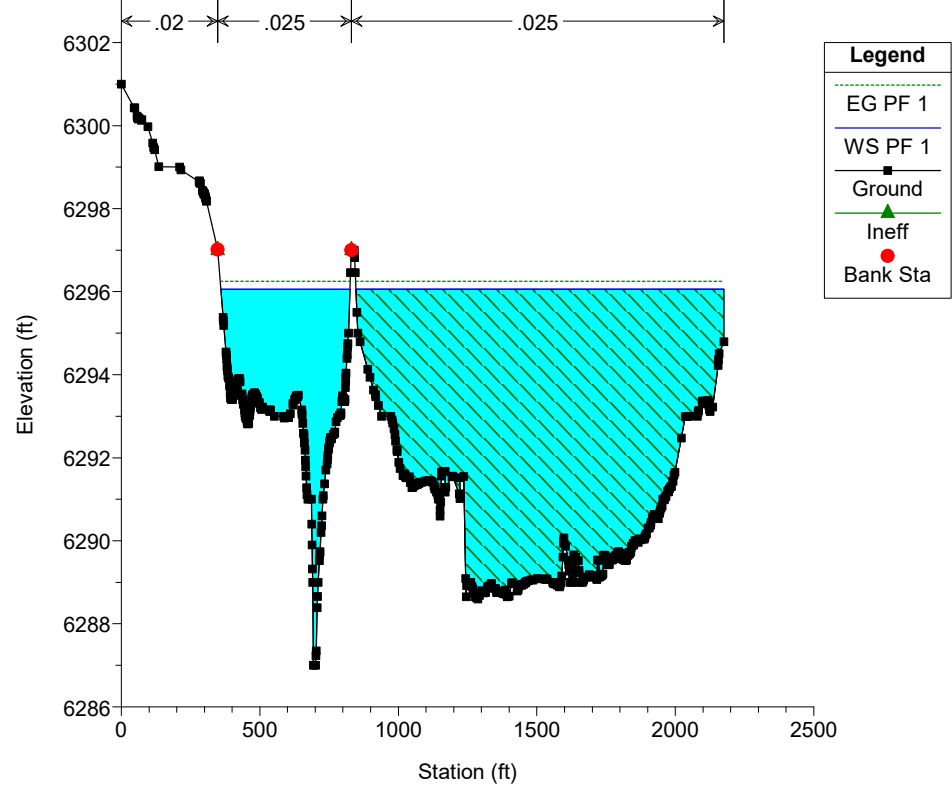
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RS = 3300



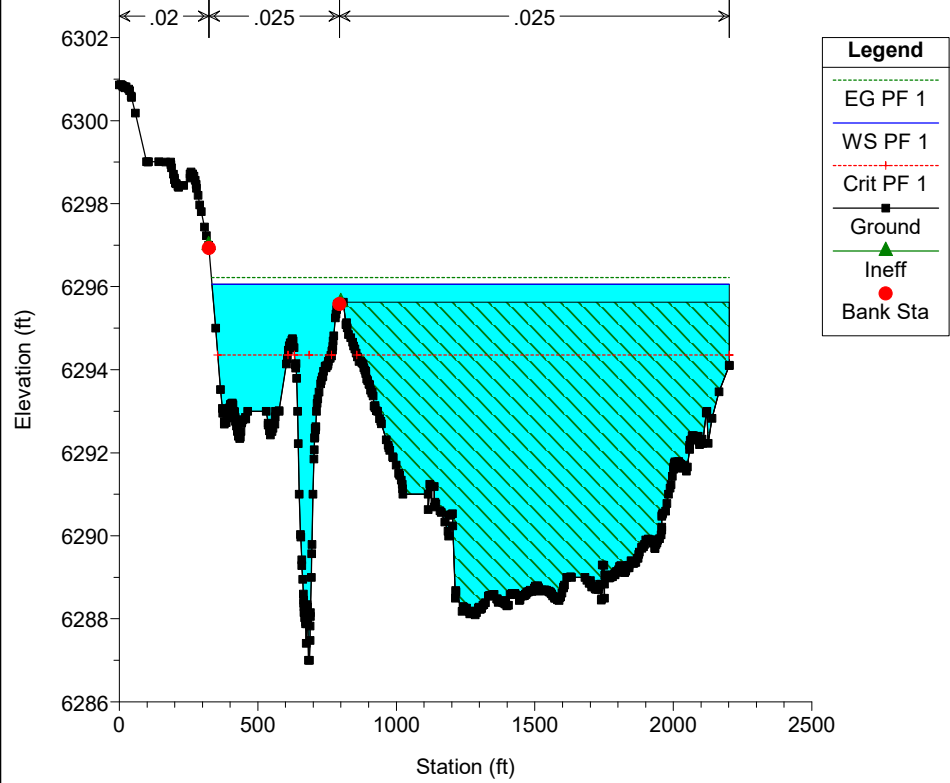
Peterson Proposed Model Plan: Plan 01 11/6/2025
RS = 3200



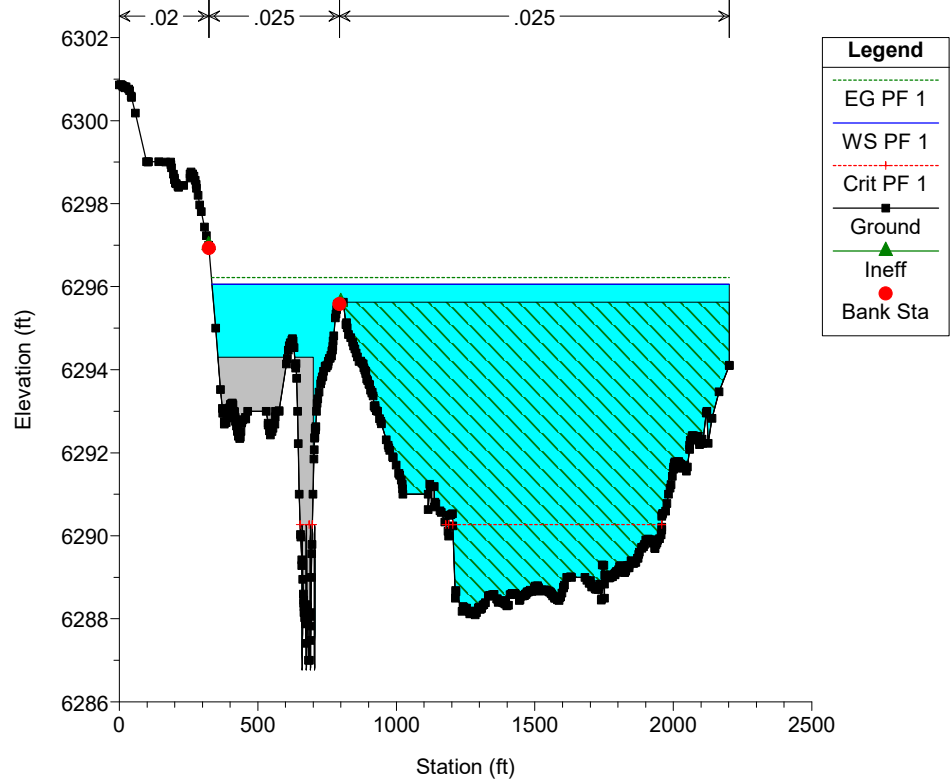
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RS = 3100



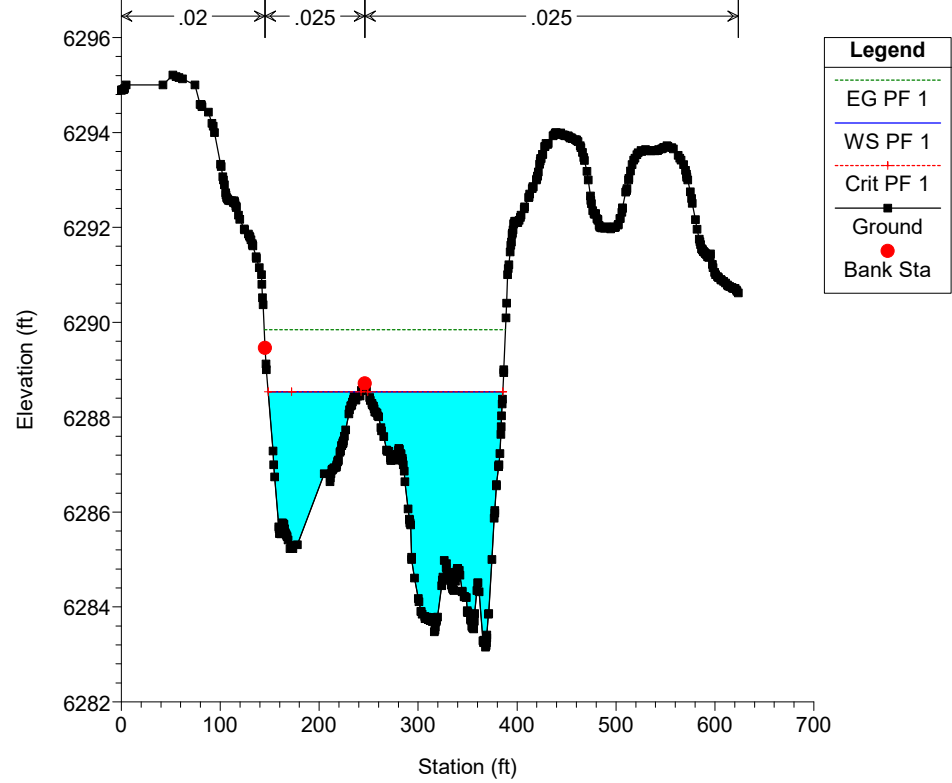
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RS = 3069.1



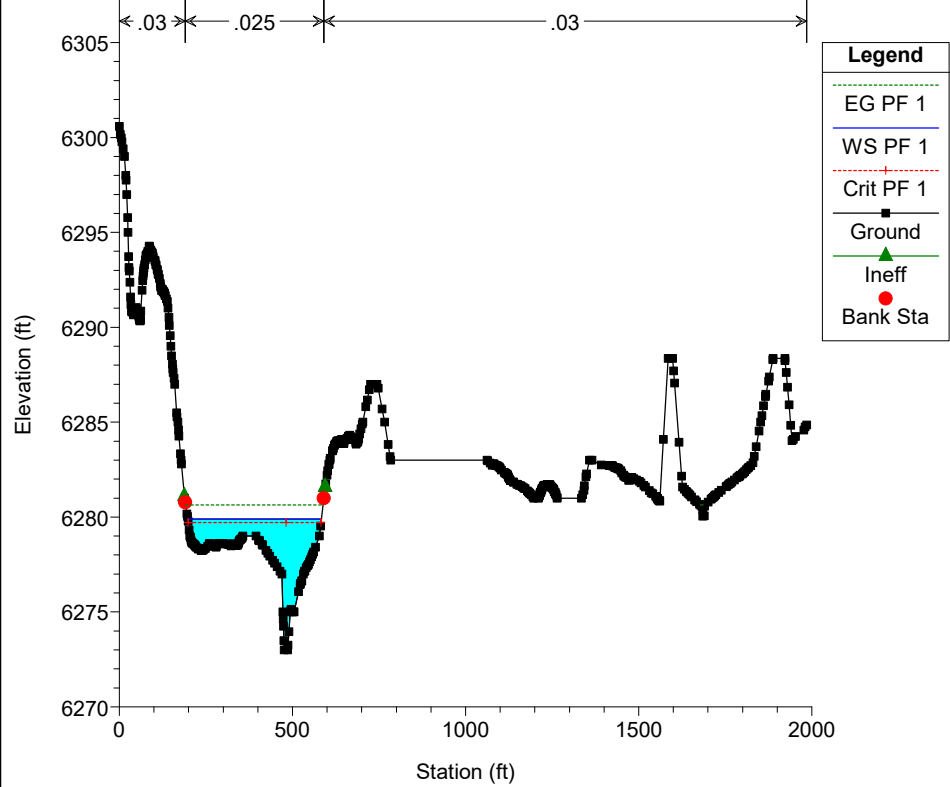
Peterson Proposed Model Plan: Plan 01 11/6/2025
RS = 2991.67 Culv



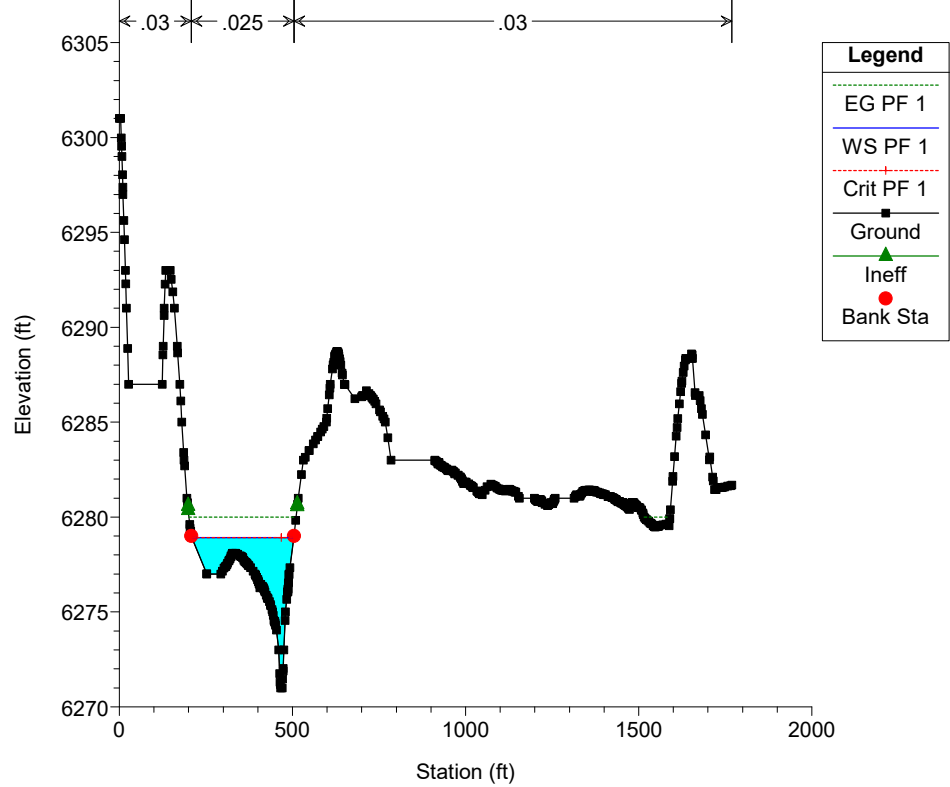
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RS = 2923.67



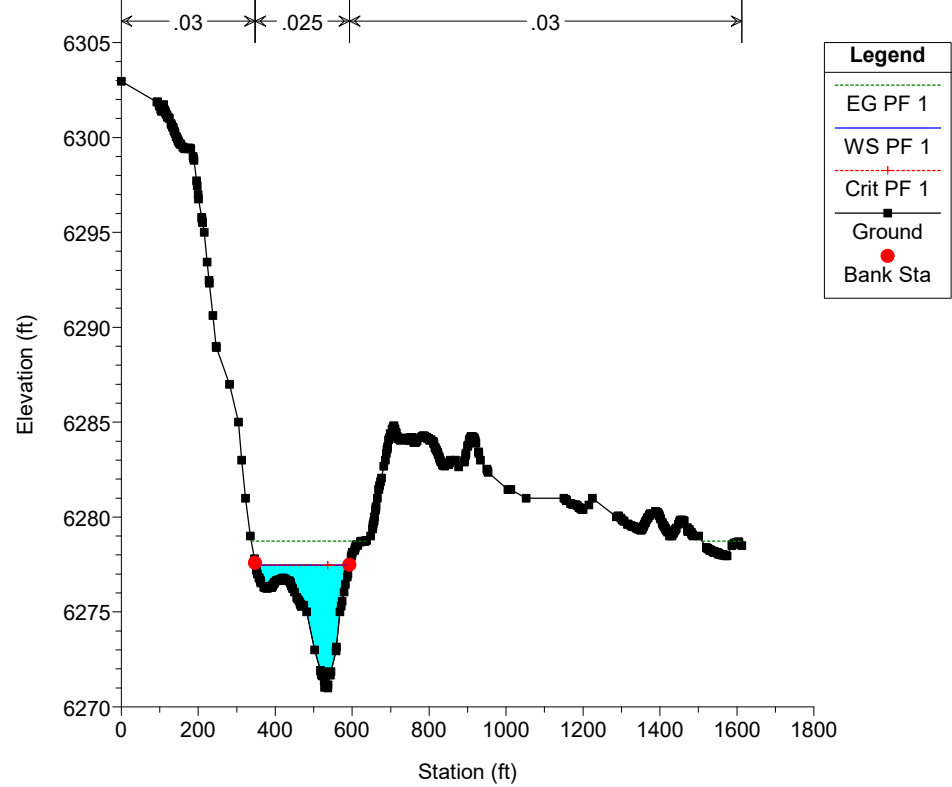
Peterson Proposed Model Plan: Plan 01 11/6/2025
RS = 2200



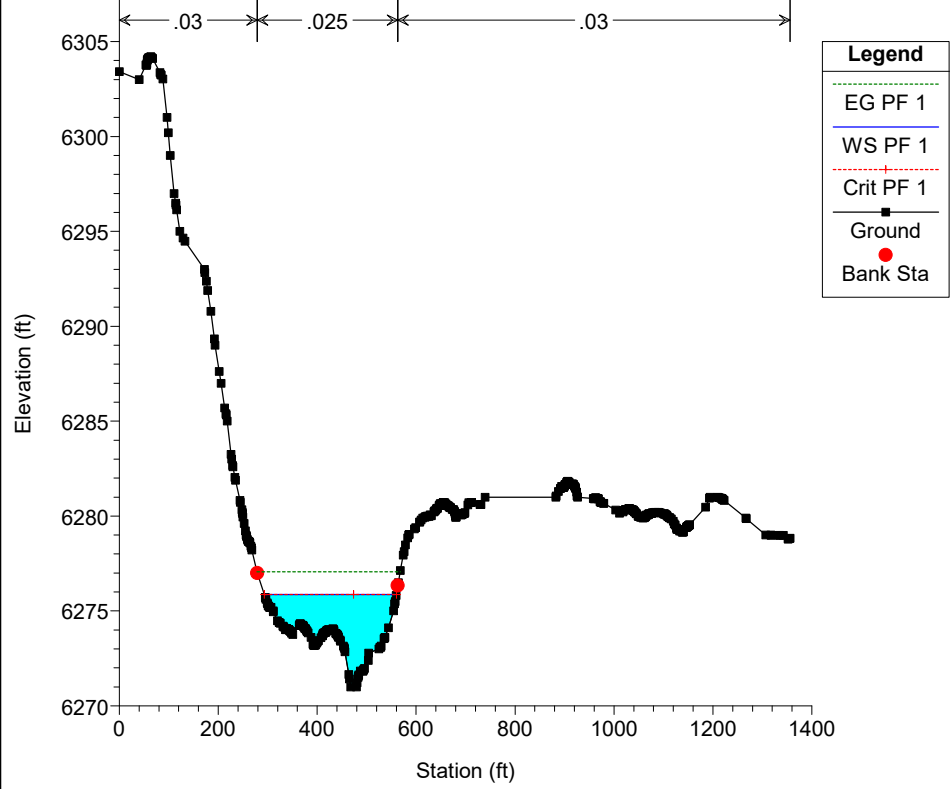
Peterson Proposed Model Plan: Plan 01 11/6/2025
RS = 2100



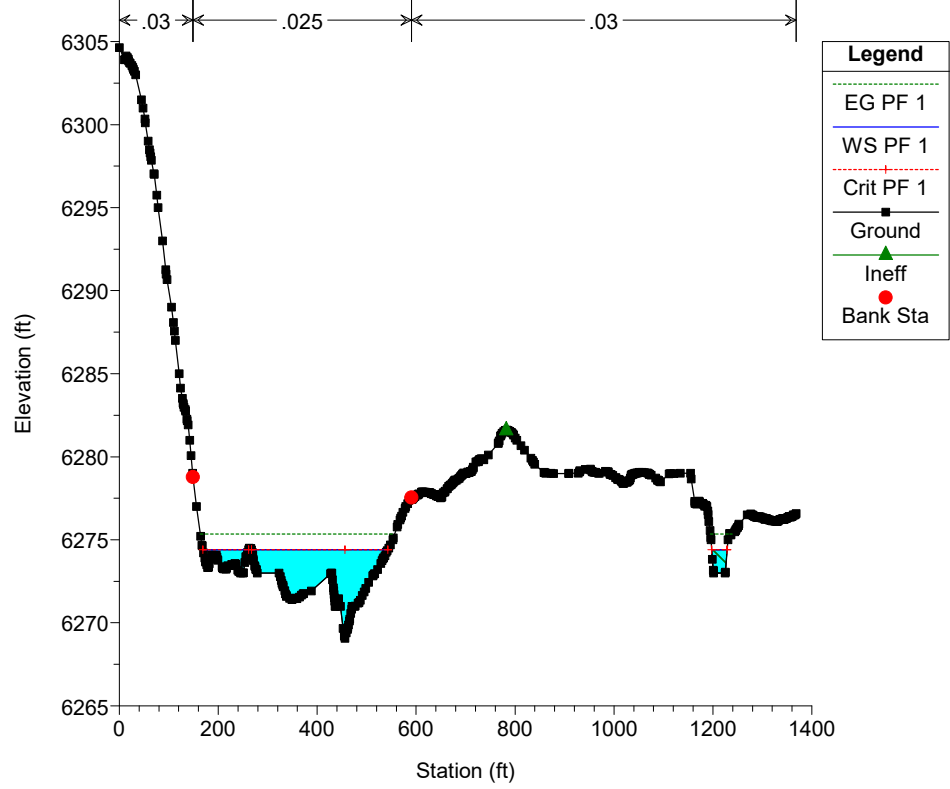
Peterson Proposed Model Plan: Plan 01 11/6/2025
RS = 2000



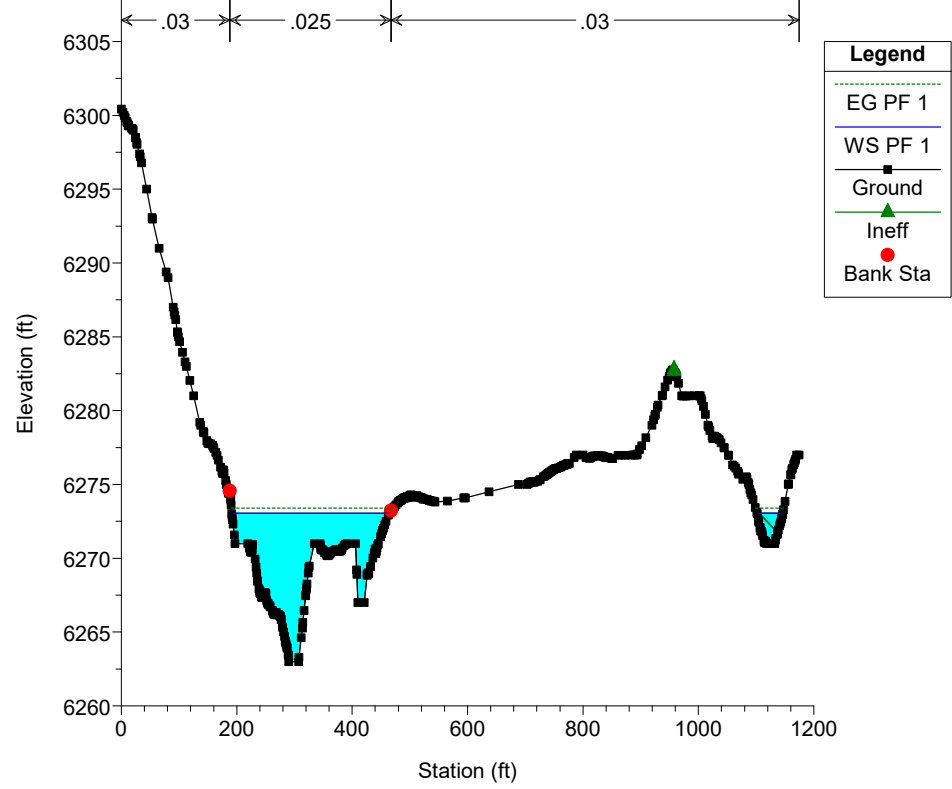
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RS = 1900

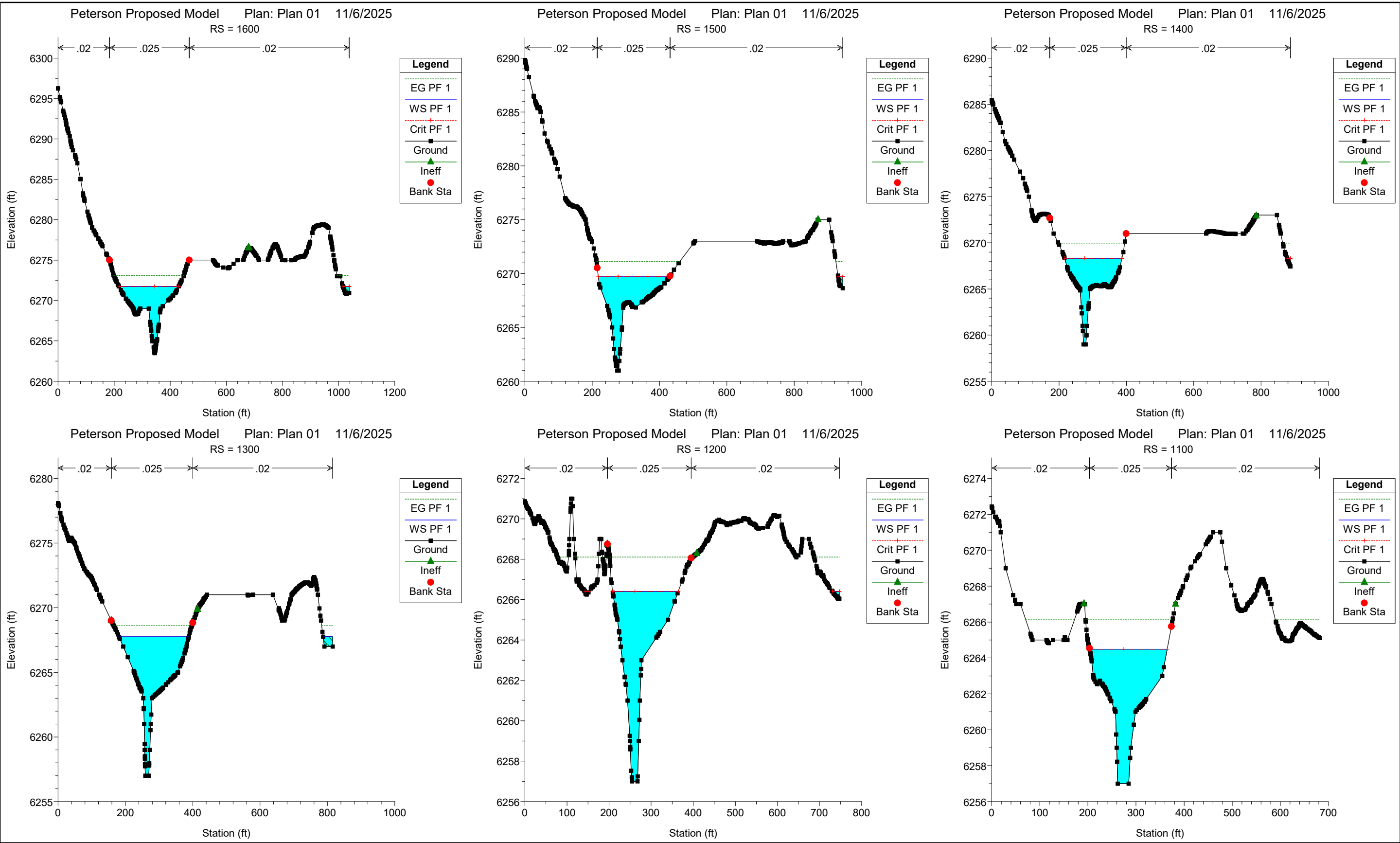


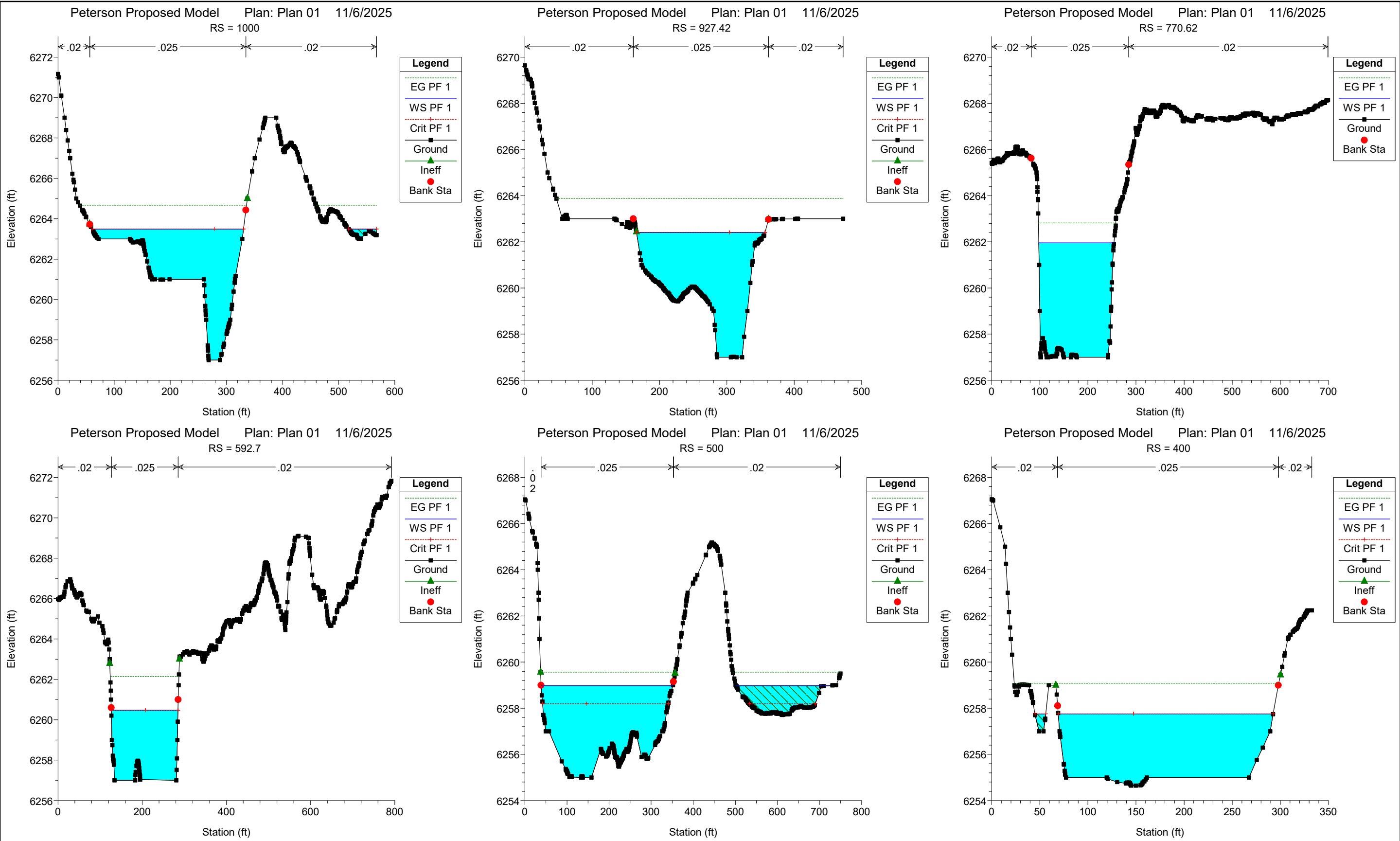
Peterson Proposed Model Plan: Plan 01 11/6/2025
RS = 1800



Peterson Proposed Model Plan: Plan 01 11/6/2025
RS = 1700







CIMARRON HILLS SOUTHEAST MIXED USE FILING NO. 1
HEC-RAS COMPARISON TABLE

STATION	EXISTING CONDITIONS WSE	PROPOSED CONDITIONS WSE	DIFFERENCE
2100	6278.9	6278.9	0
2200	6279.9	6279.9	0
2300	6280.8	6280.8	0
2400	6281.7	6281.7	0
2500	6282.8	6282.8	0
2600	6284	6284	0
2700	6285.5	6285.4	0.1
2900	6286.8	6286.7	0.1
2923.67	6288.5	6288.5	0
3069.1	6296.1	6296.1	0
3100	6296.1	6296.1	0
3200	6296.2	6296.2	0