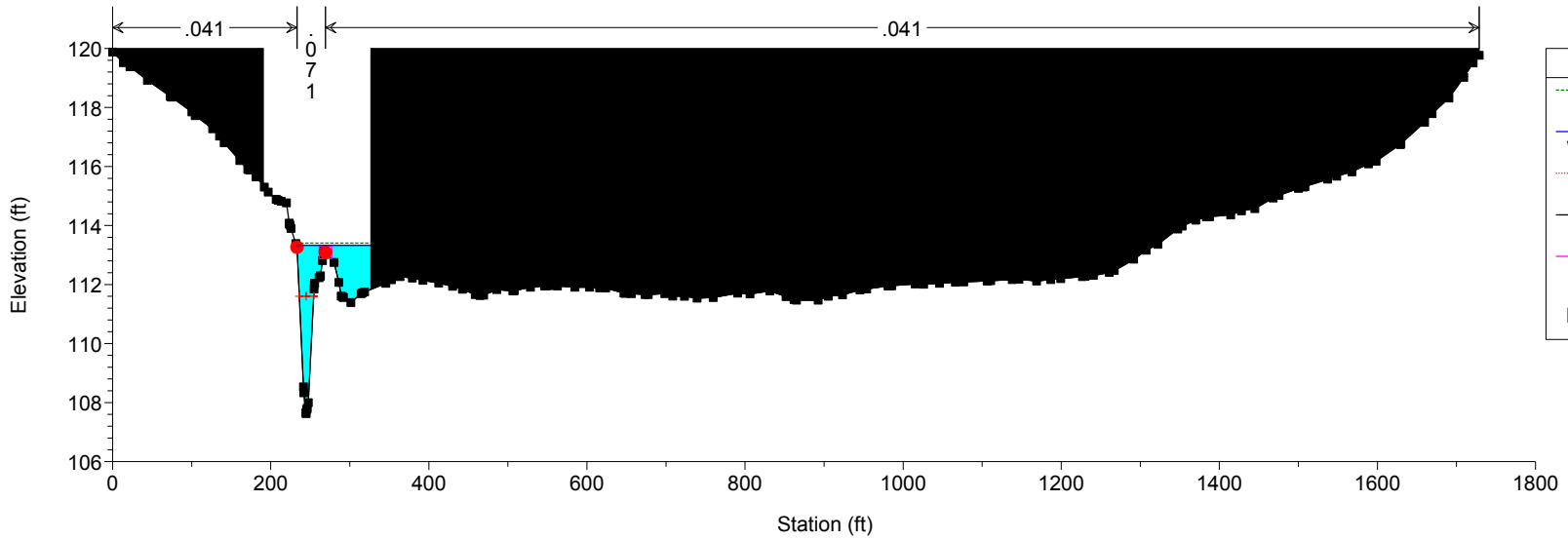
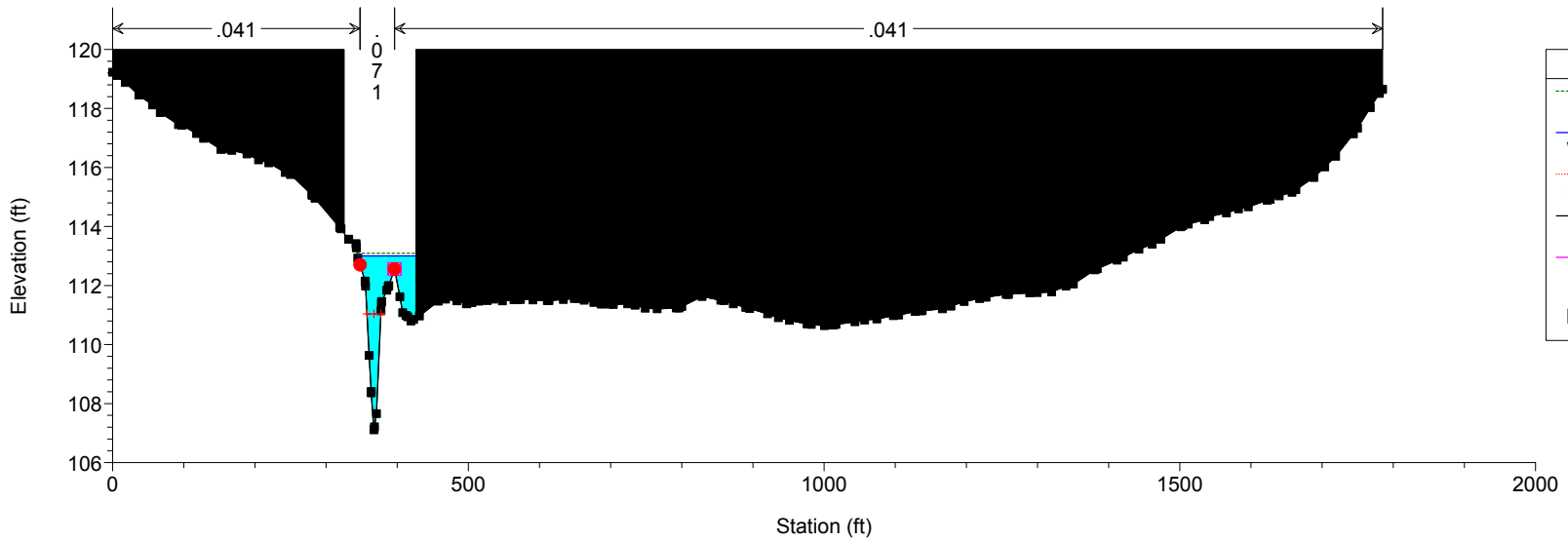


PostDevelopmentTankFarmCreek - Station 33+99 Plan: Plan 18 9/14/2015



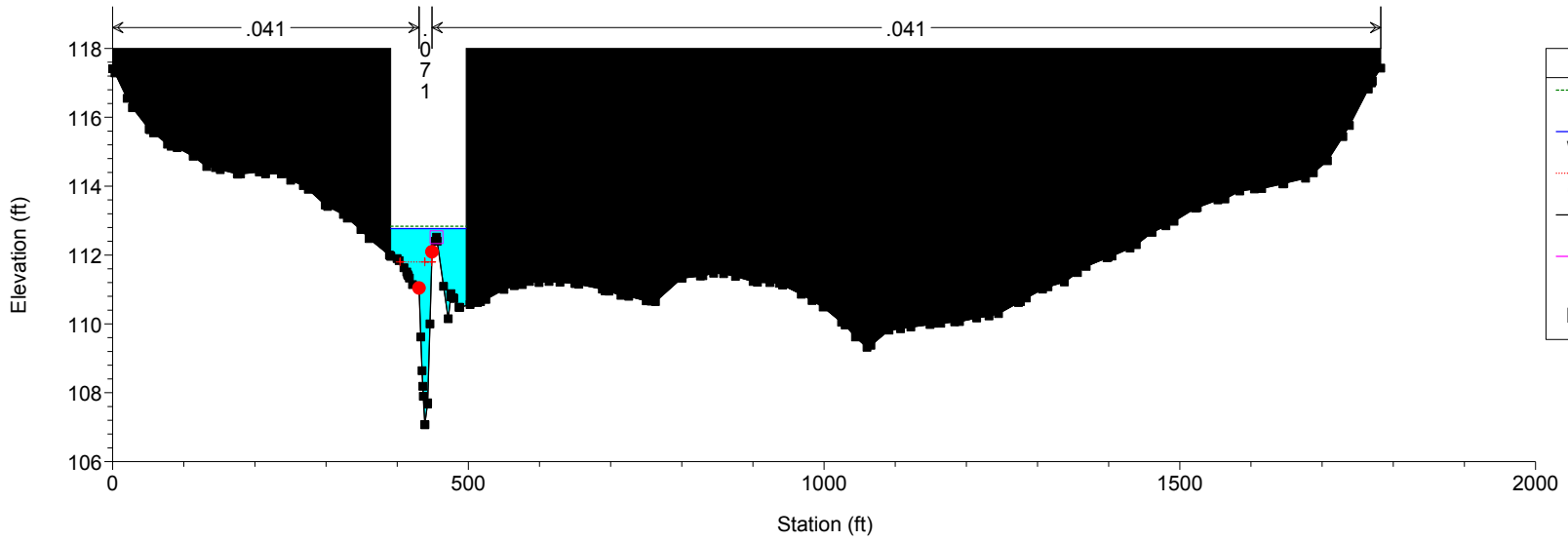
Legend	
EG PF 1	— (dashed green line)
WS PF 1	— (solid blue line)
Crit PF 1	— (dotted red line)
Ground	— (solid black line)
Levee	— (solid magenta line)
Bank Sta	● (red dot)

PostDevelopmentTankFarmCreek - Station 33+00 Plan: Plan 18 9/14/2015



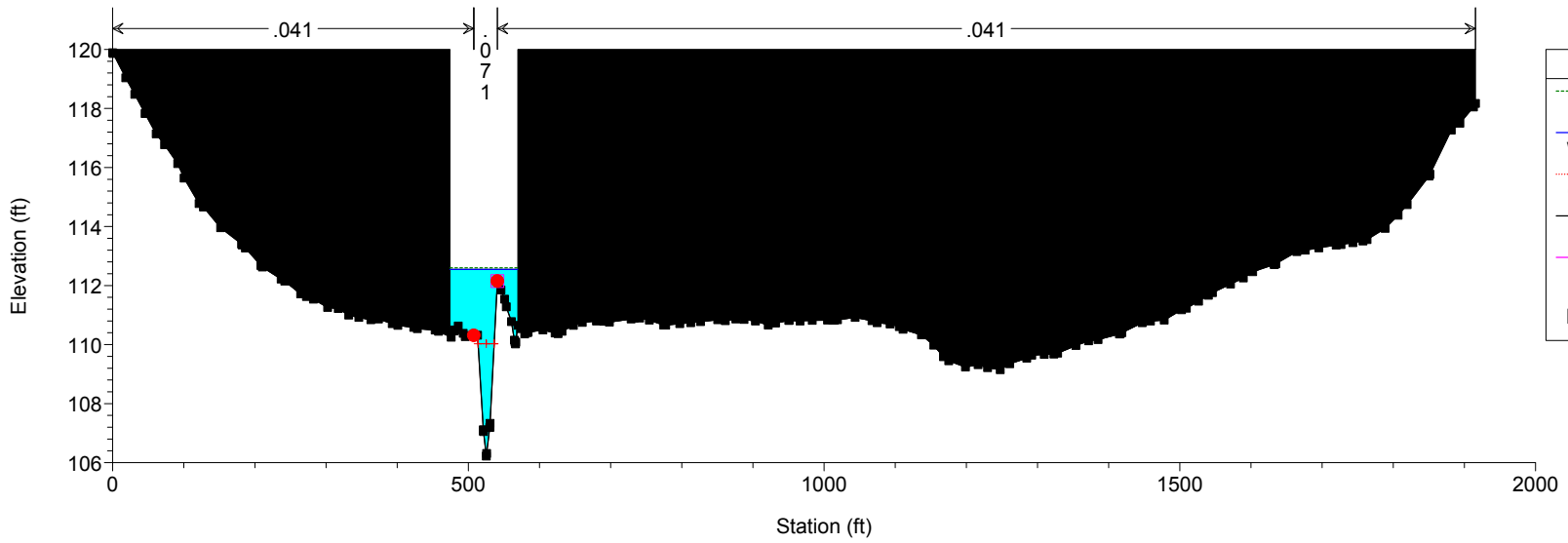
Legend	
EG PF 1	— (dashed green line)
WS PF 1	— (solid blue line)
Crit PF 1	— (dotted red line)
Ground	— (solid black line)
Levee	— (solid magenta line)
Bank Sta	● (red dot)

PostDevelopmentTankFarmCreek - Station 32+00 Plan: Plan 18 9/14/2015



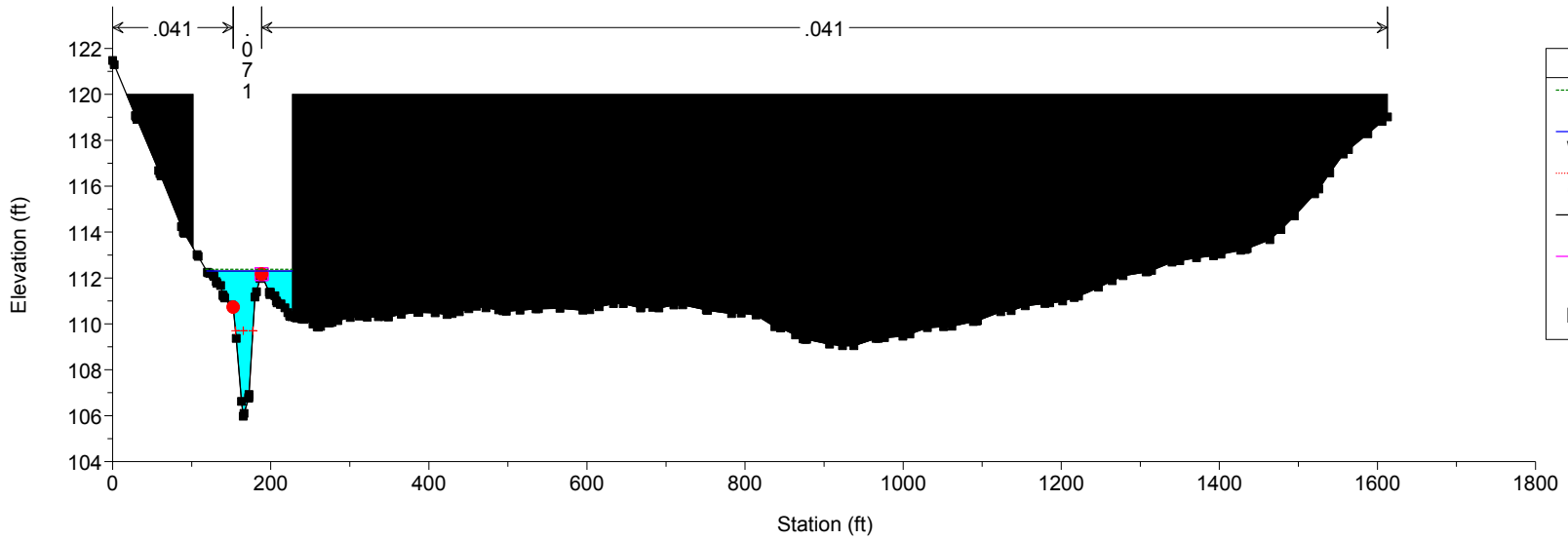
Legend	
EG PF 1	---
WS PF 1	—
Crit PF 1	...
Ground	■
Levee	□
Bank Sta	●

PostDevelopmentTankFarmCreek - Station 30+50 Plan: Plan 18 9/14/2015



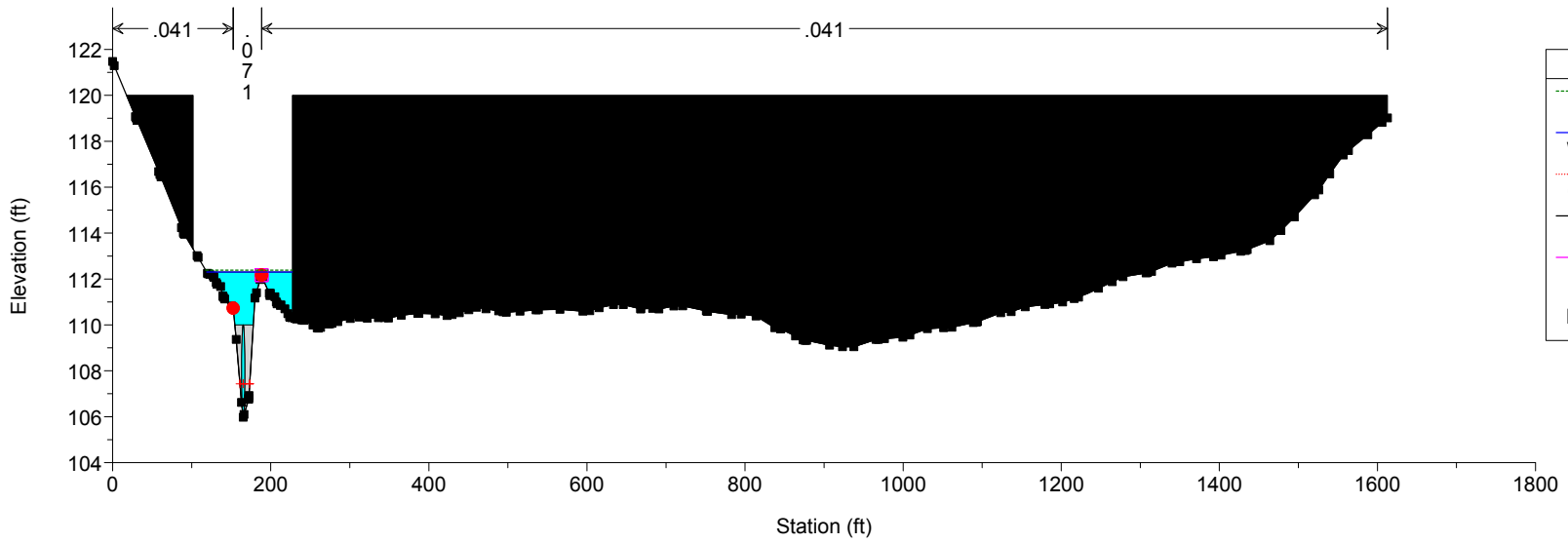
Legend	
EG PF 1	---
WS PF 1	—
Crit PF 1	...
Ground	■
Levee	□
Bank Sta	●

PostDevelopmentTankFarmCreek - Station 29+22 Plan: Plan 18 9/14/2015



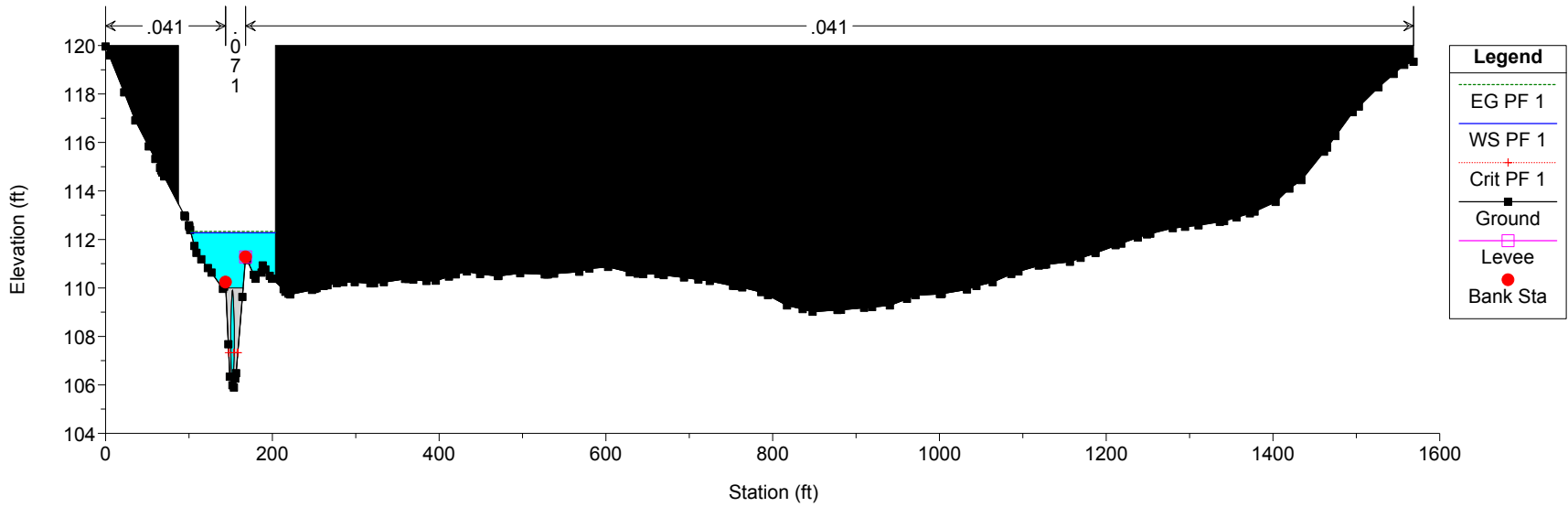
Legend	
EG PF 1	(dashed green line)
WS PF 1	(solid blue line)
Crit PF 1	(dotted red line)
Ground	(solid black line)
Levee	(pink line with square symbol)
Bank Sta	(red dot)

PostDevelopmentTankFarmCreek - Station 29+00 Culvert US Plan: Plan 18 9/14/2015

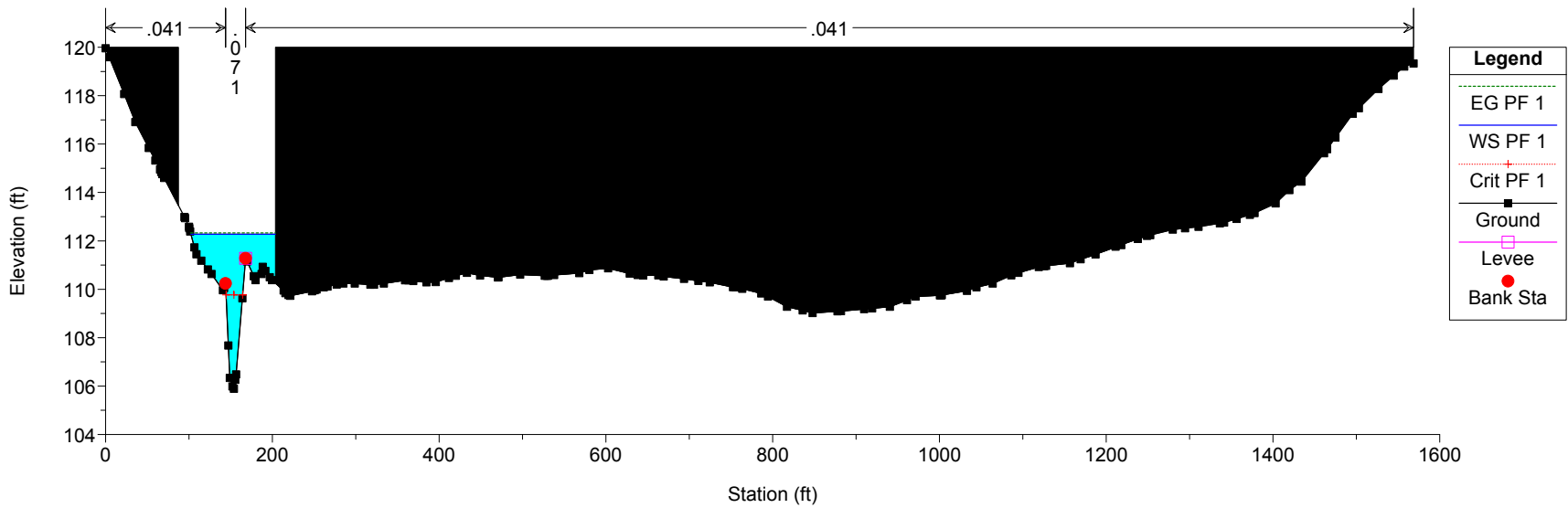


Legend	
EG PF 1	(dashed green line)
WS PF 1	(solid blue line)
Crit PF 1	(dotted red line)
Ground	(solid black line)
Levee	(pink line with square symbol)
Bank Sta	(red dot)

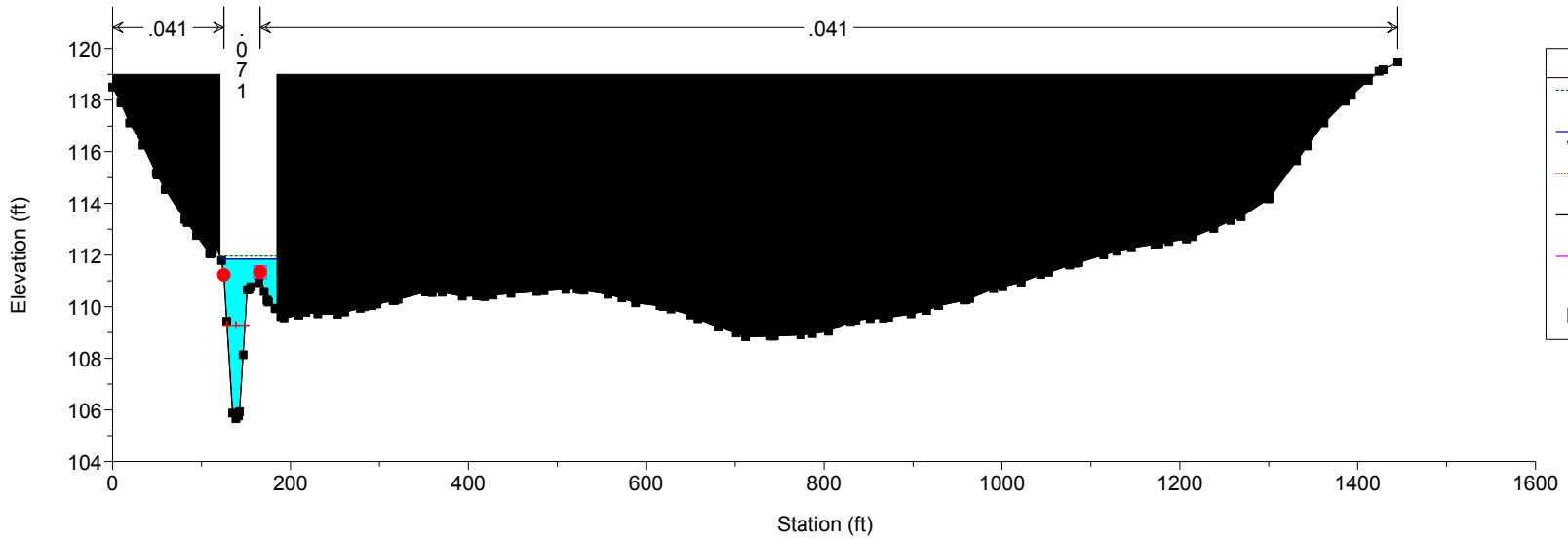
PostDevelopmentTankFarmCreek - Station 29+00 Culvert DS Plan: Plan 18 9/14/2015



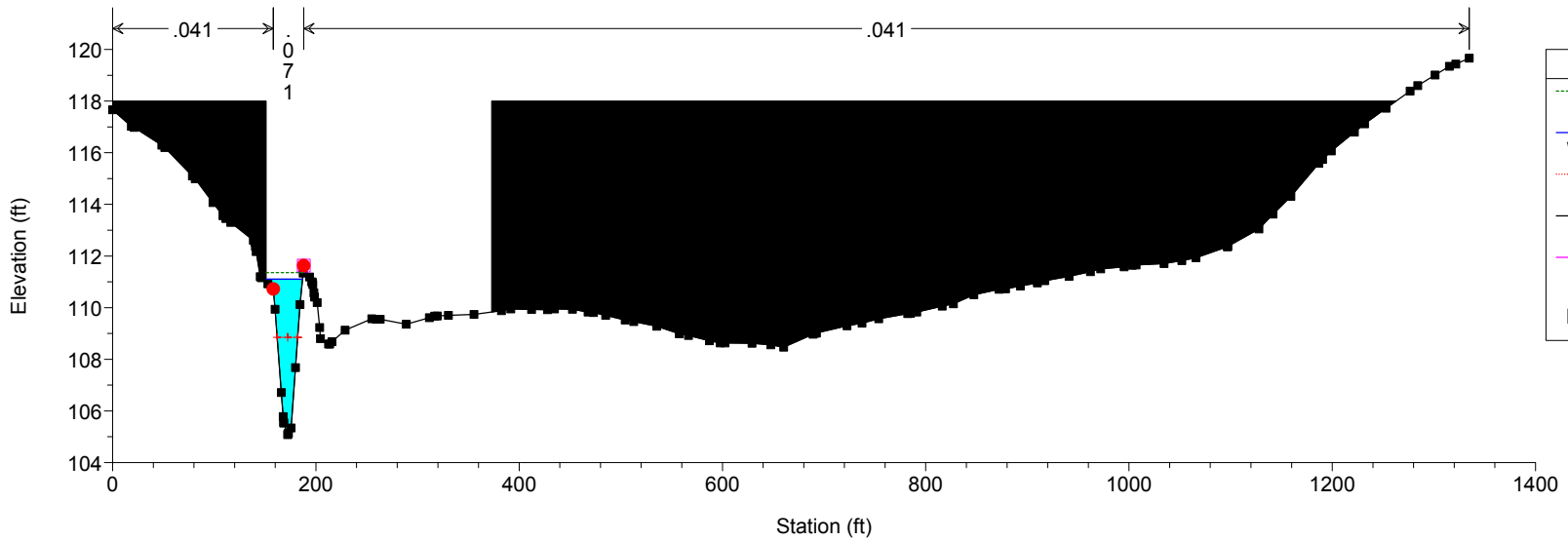
PostDevelopmentTankFarmCreek - Station 28+51 Plan: Plan 18 9/14/2015



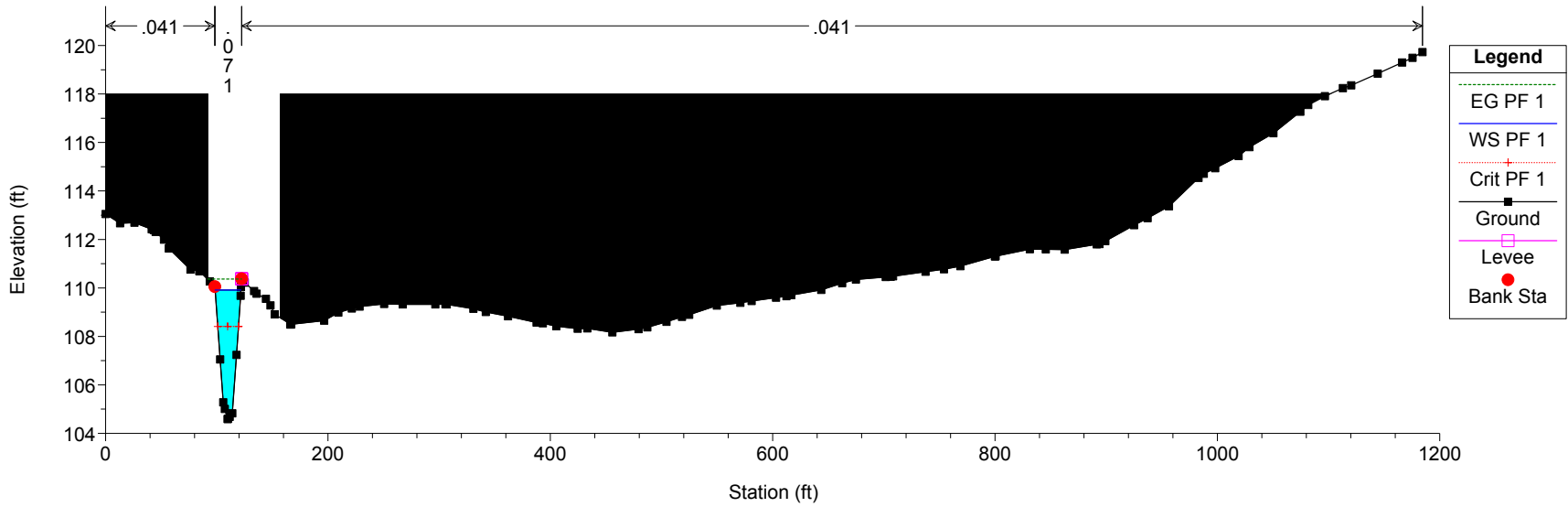
PostDevelopmentTankFarmCreek - Station 27+00 Plan: Plan 18 9/14/2015



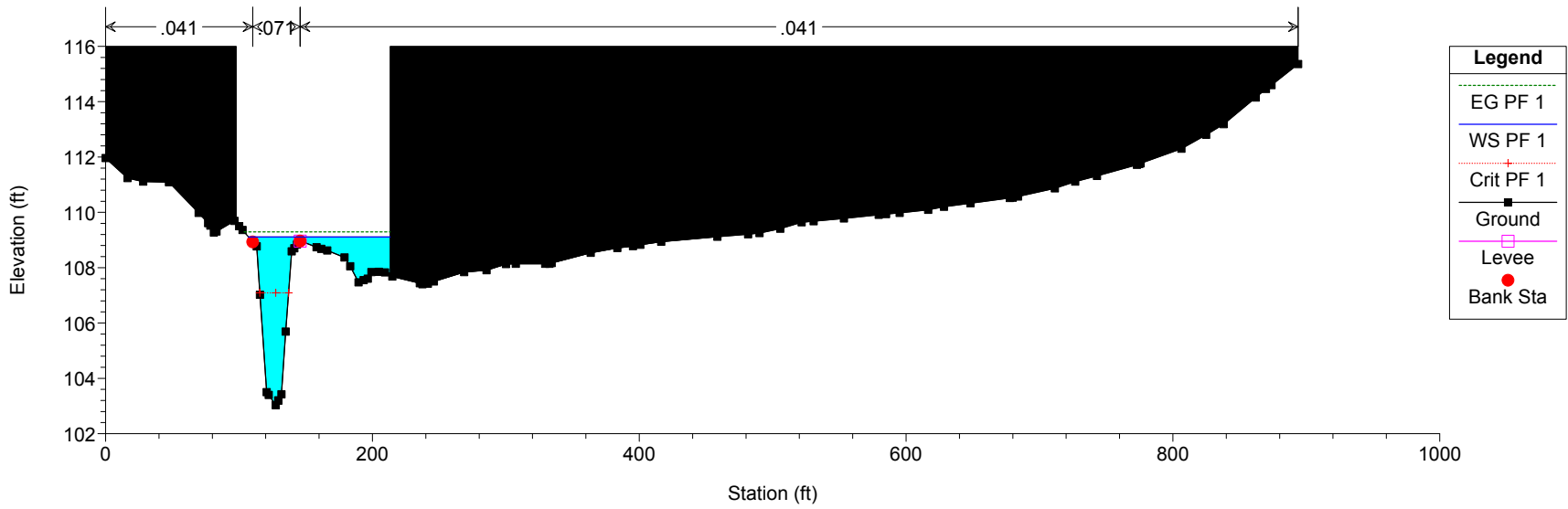
PostDevelopmentTankFarmCreek - Station 25+92 Plan: Plan 18 9/14/2015



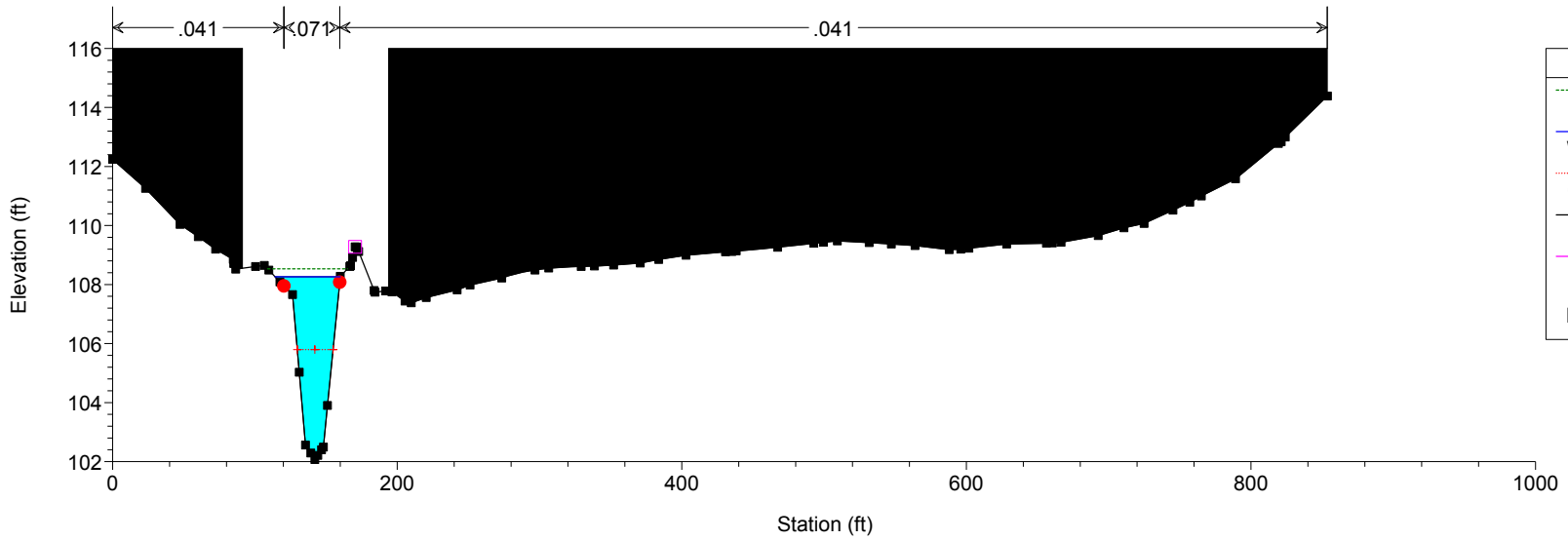
PostDevelopmentTankFarmCreek - Station 25+00 Plan: Plan 18 9/14/2015



PostDevelopmentTankFarmCreek - Station 23+97 Plan: Plan 18 9/14/2015

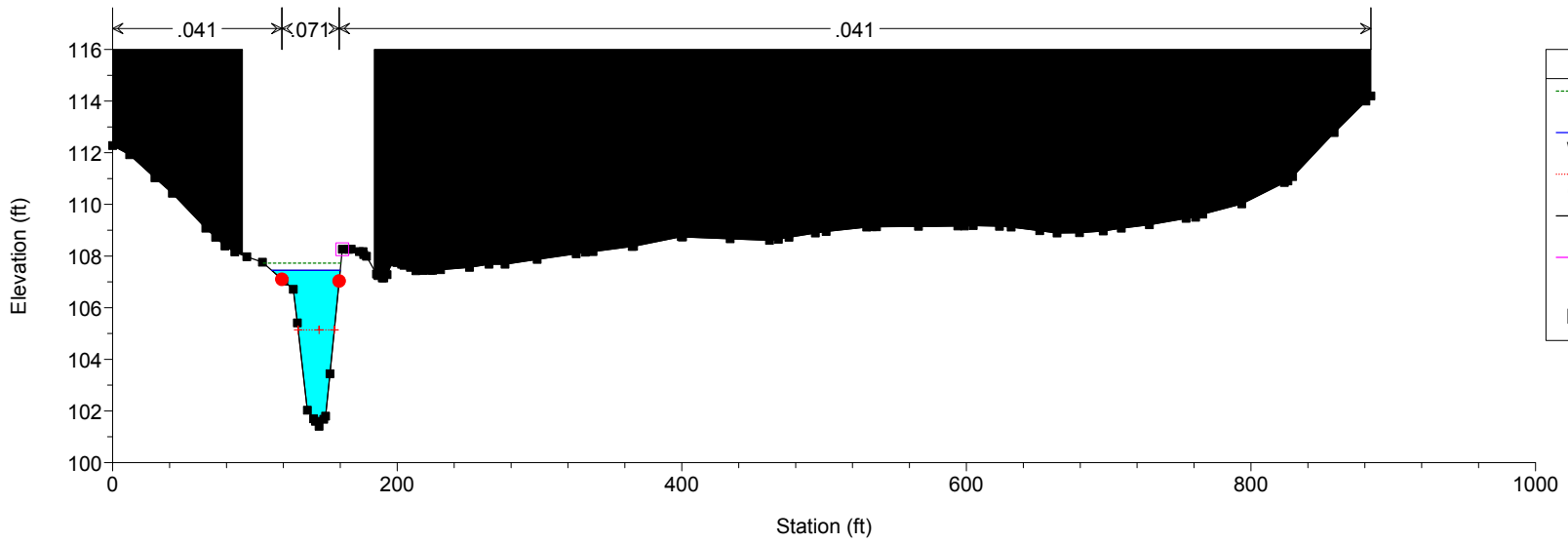


PostDevelopmentTankFarmCreek - Station 22+97 Plan: Plan 18 9/14/2015



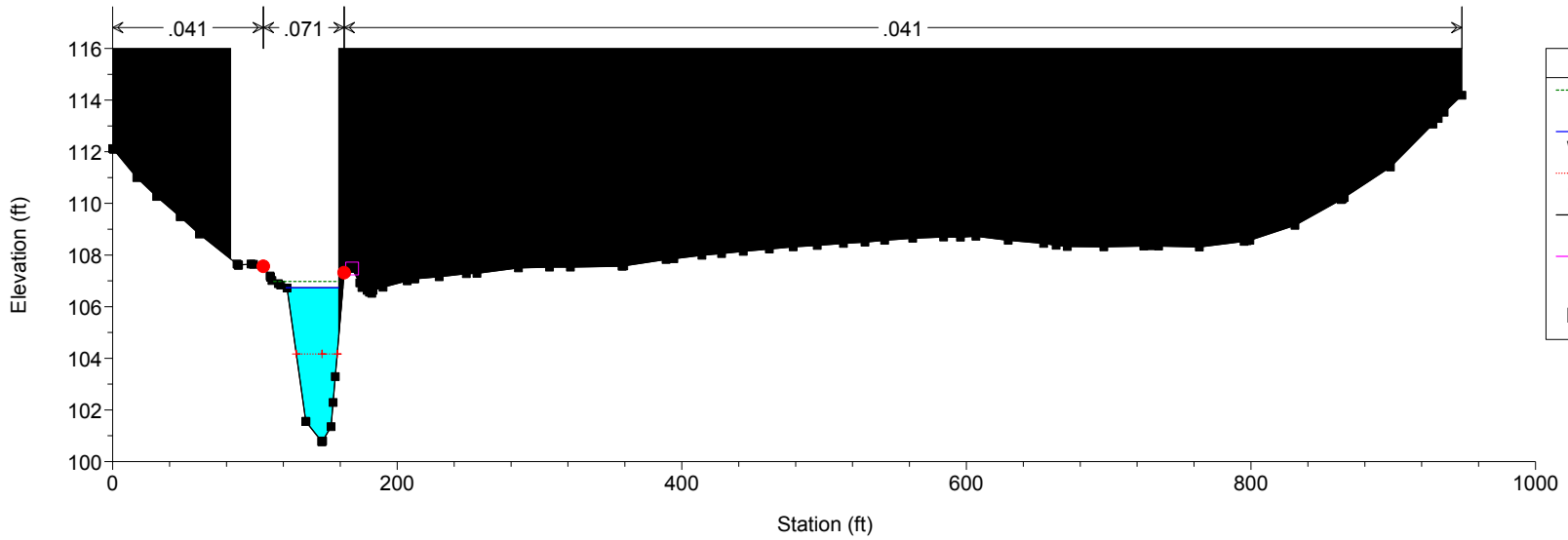
Legend	
EG PF 1	—
WS PF 1	—
Crit PF 1	—
Ground	■
Levee	□
Bank Sta	●

PostDevelopmentTankFarmCreek - Station 22+00 Plan: Plan 18 9/14/2015



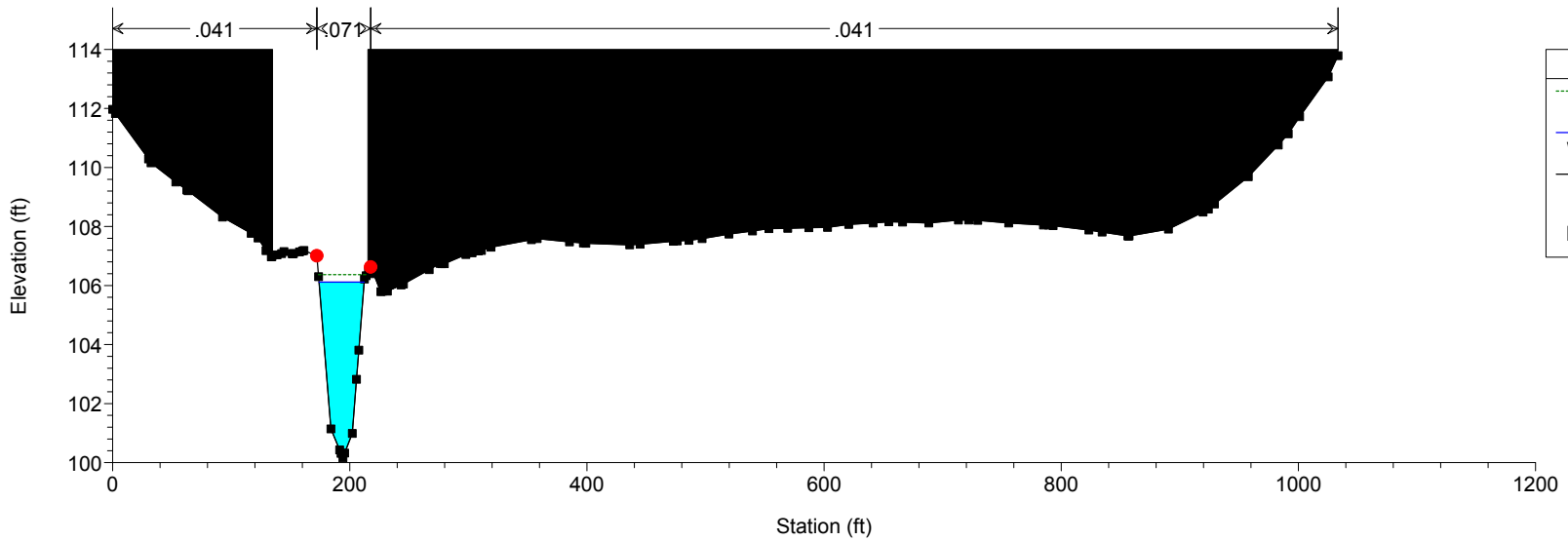
Legend	
EG PF 1	—
WS PF 1	—
Crit PF 1	—
Ground	■
Levee	□
Bank Sta	●

PostDevelopmentTankFarmCreek - Station 20+97 Plan: Plan 18 9/14/2015



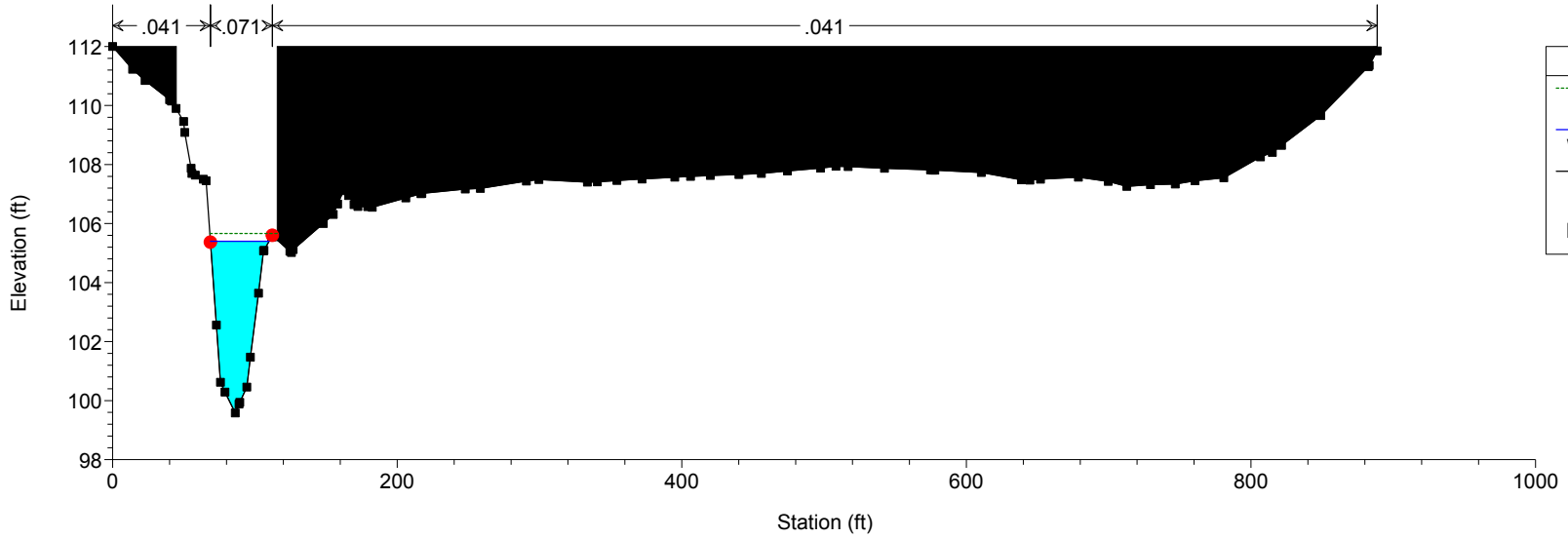
Legend	
EG PF 1	(Dashed green line)
WS PF 1	(Solid blue line)
Crit PF 1	(Dotted red line with cross)
Ground	(Black squares)
Levee	(Magenta line with square)
Bank Sta	(Red circle)

PostDevelopmentTankFarmCreek - Station 20+01 Plan: Plan 18 9/14/2015



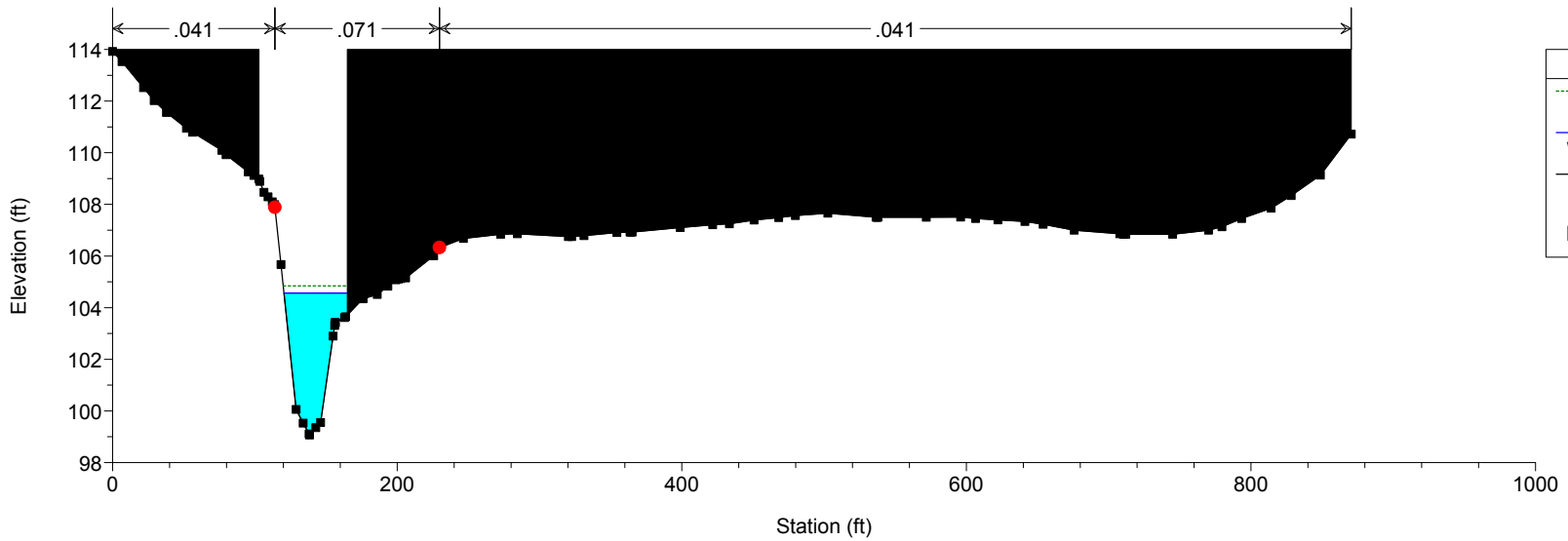
Legend	
EG PF 1	(Dashed green line)
WS PF 1	(Solid blue line)
Ground	(Black squares)
Bank Sta	(Red circle)

PostDevelopmentTankFarmCreek - Station 19+00 Plan: Plan 18 9/14/2015



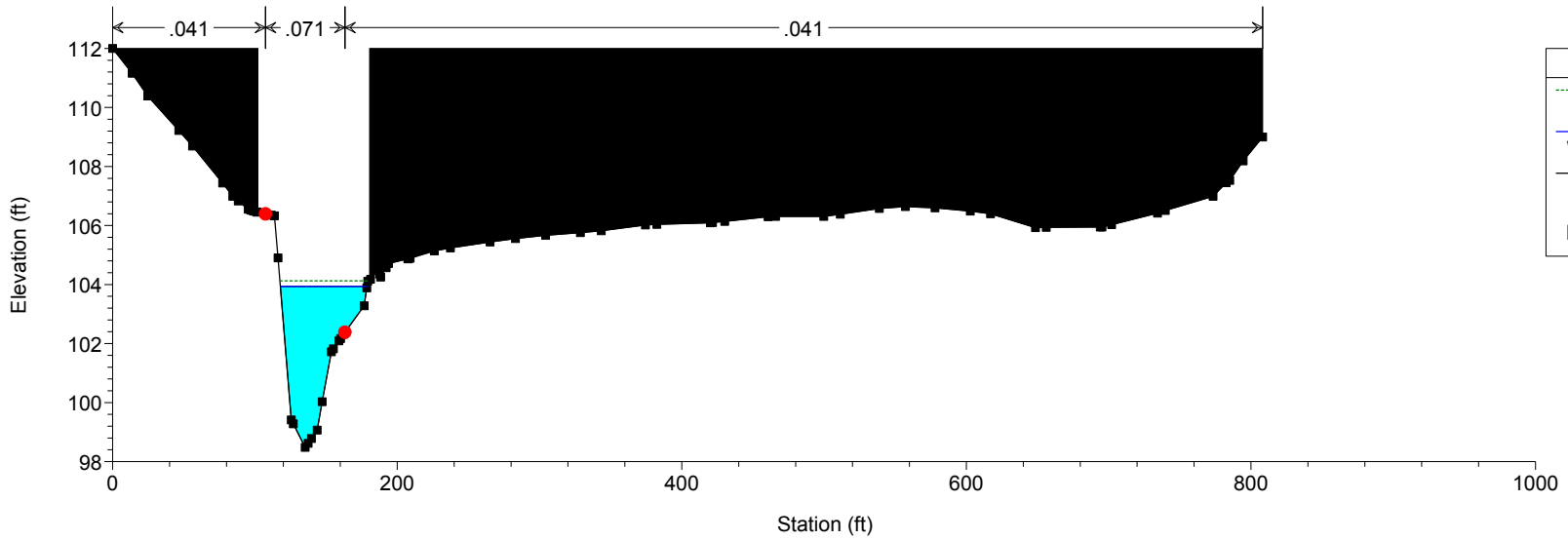
Legend	
EG PF 1	---
WS PF 1	---
Ground	■
Bank Sta	●

PostDevelopmentTankFarmCreek - Station 18+00 Plan: Plan 18 9/14/2015

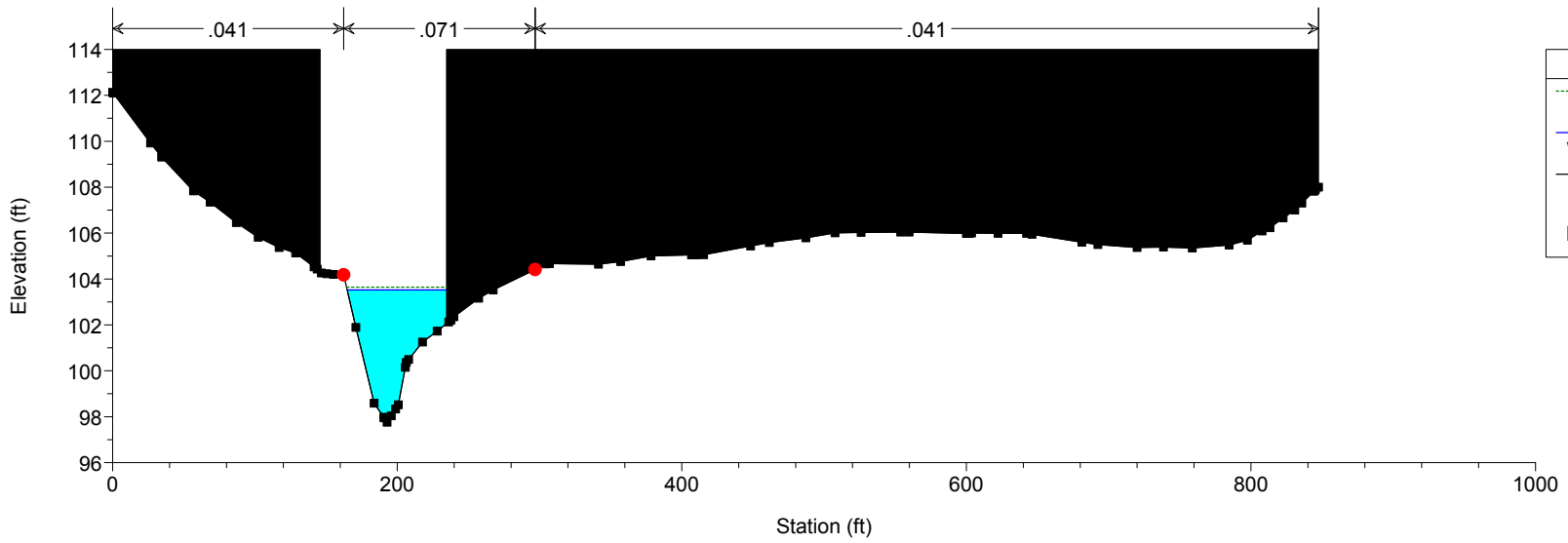


Legend	
EG PF 1	---
WS PF 1	---
Ground	■
Bank Sta	●

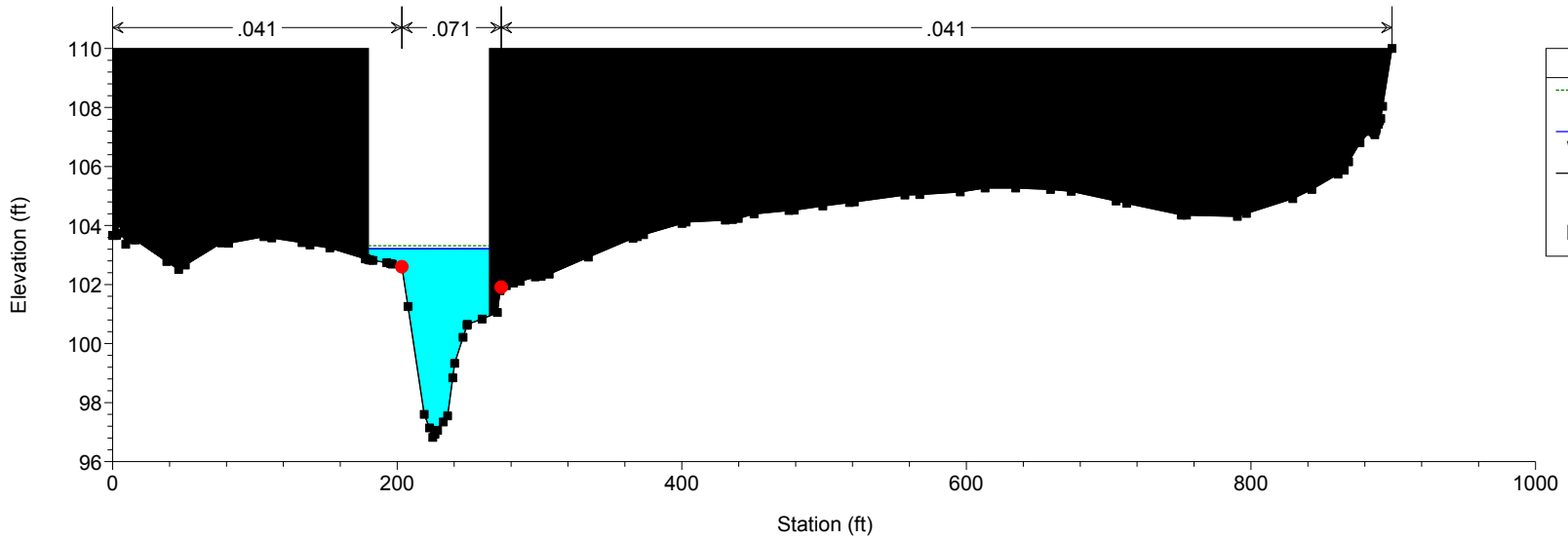
PostDevelopmentTankFarmCreek - Station 17+00 Plan: Plan 18 9/14/2015



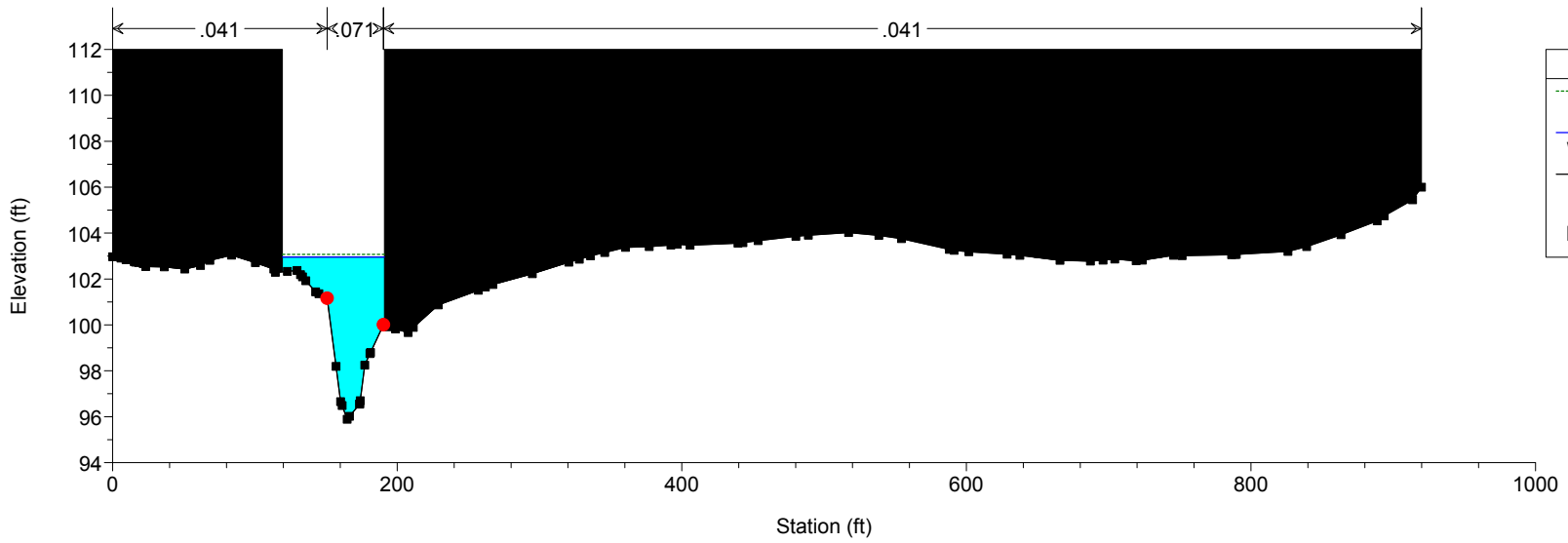
PostDevelopmentTankFarmCreek - Station 16+00 Plan: Plan 18 9/14/2015



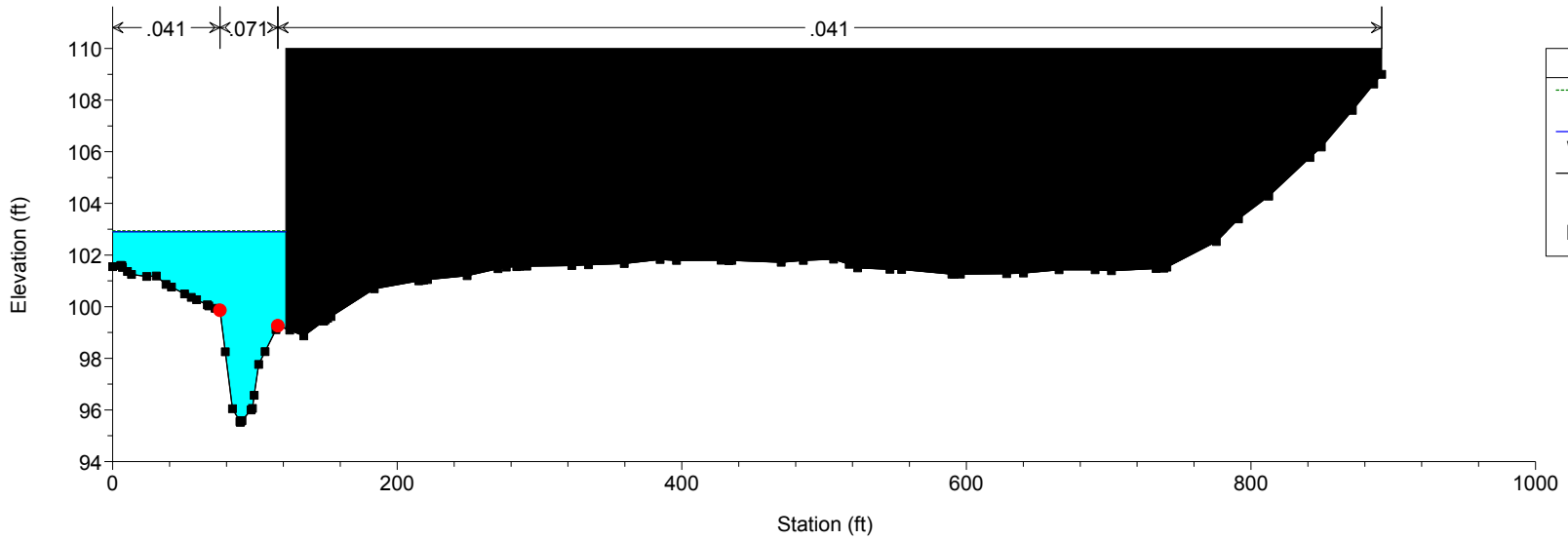
PostDevelopmentTankFarmCreek - Station 14+99 Plan: Plan 18 9/14/2015



PostDevelopmentTankFarmCreek - Station 13+99 Plan: Plan 18 9/14/2015

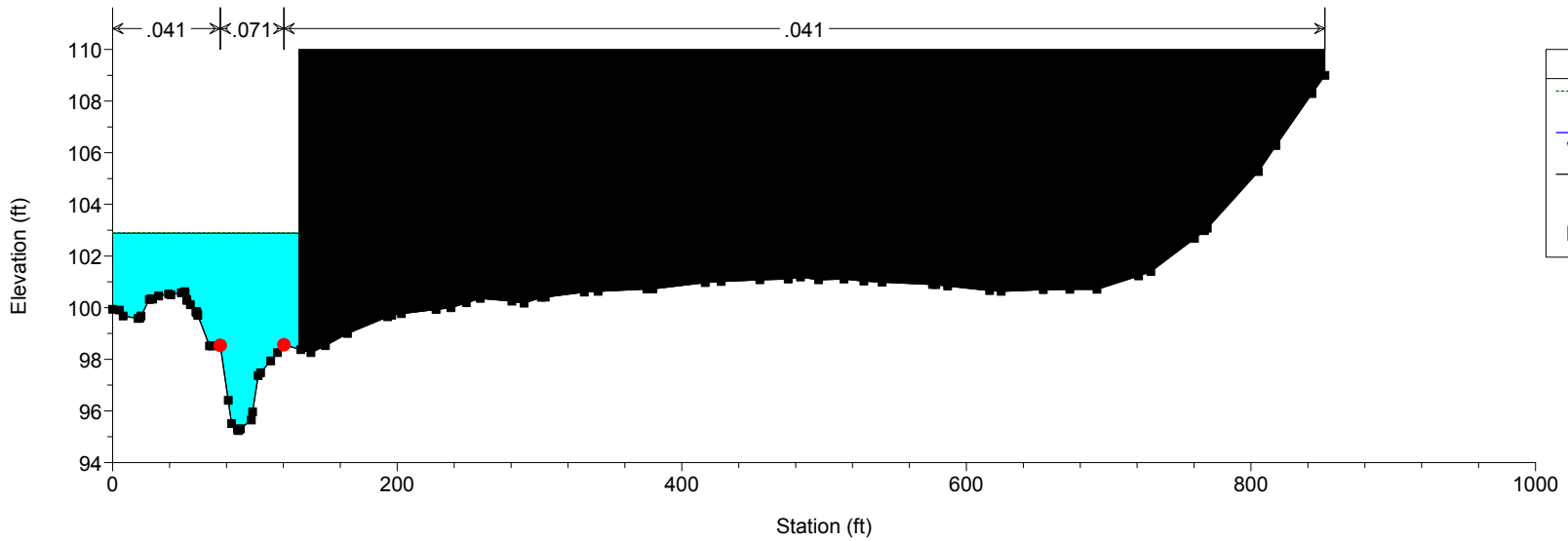


PostDevelopmentTankFarmCreek - Station 12+99 Plan: Plan 18 9/14/2015



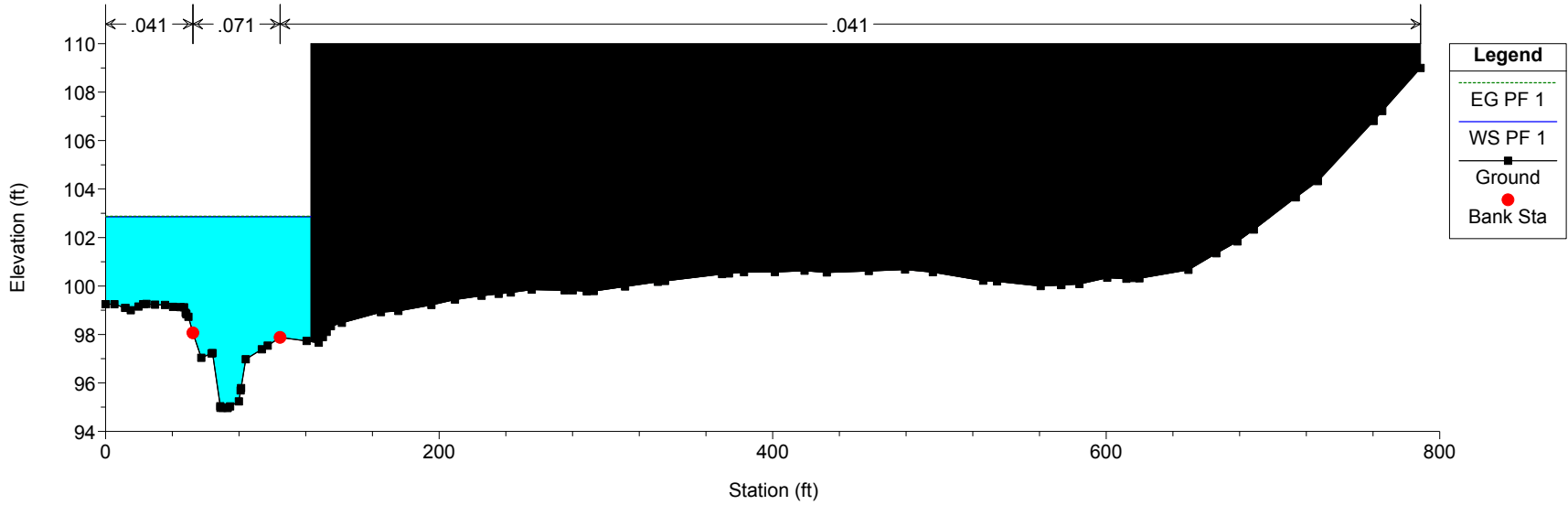
Legend	
EG PF 1	(Cyan shaded area)
WS PF 1	(Blue line)
Ground	(Black line with square markers)
Bank Sta	(Red dot)

PostDevelopmentTankFarmCreek - Station 11+99 Plan: Plan 18 9/14/2015

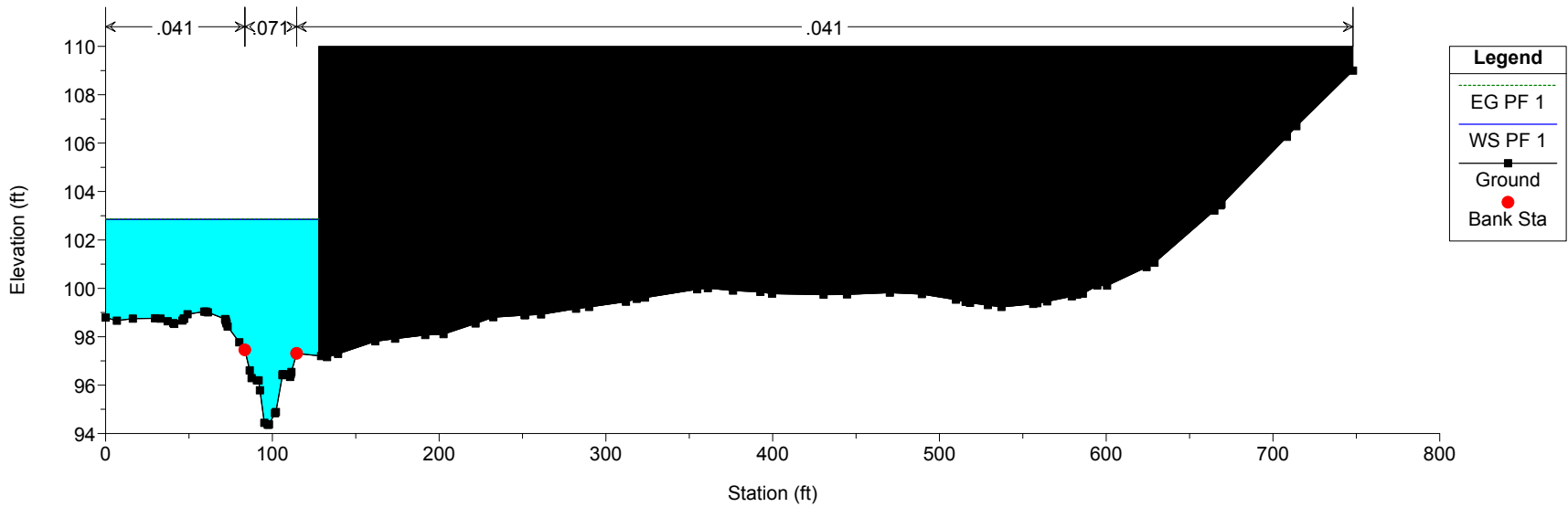


Legend	
EG PF 1	(Cyan shaded area)
WS PF 1	(Blue line)
Ground	(Black line with square markers)
Bank Sta	(Red dot)

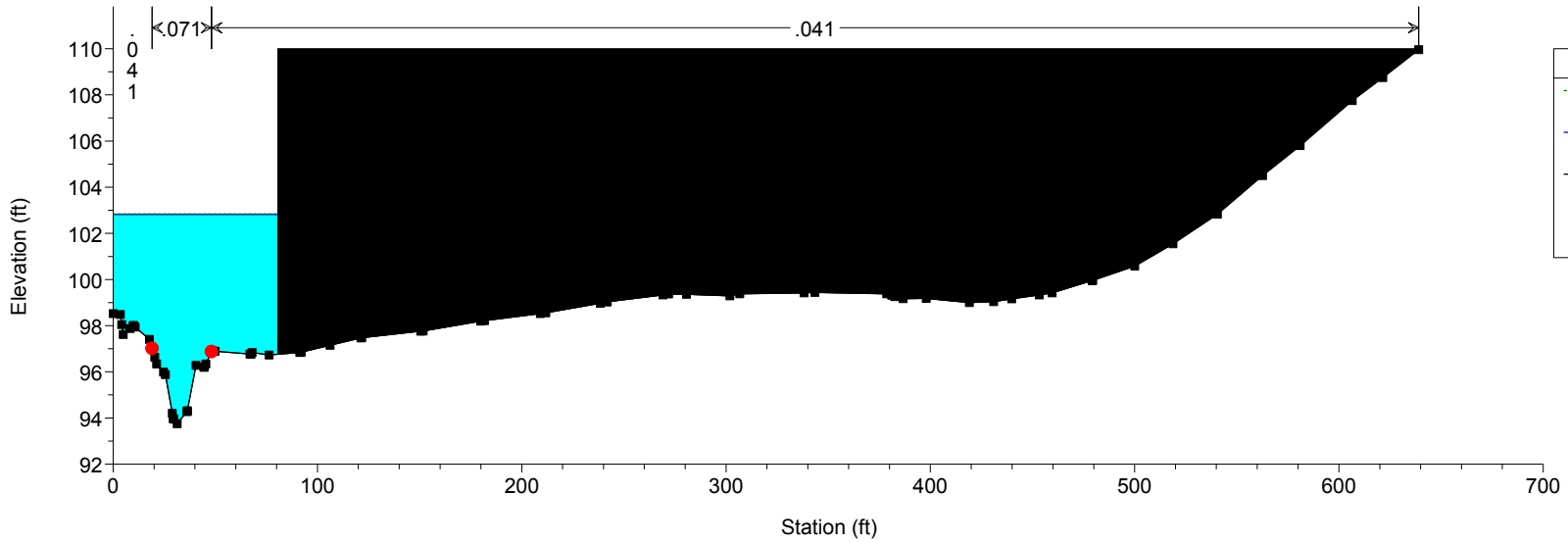
PostDevelopmentTankFarmCreek - Station 11+00 Plan: Plan 18 9/14/2015



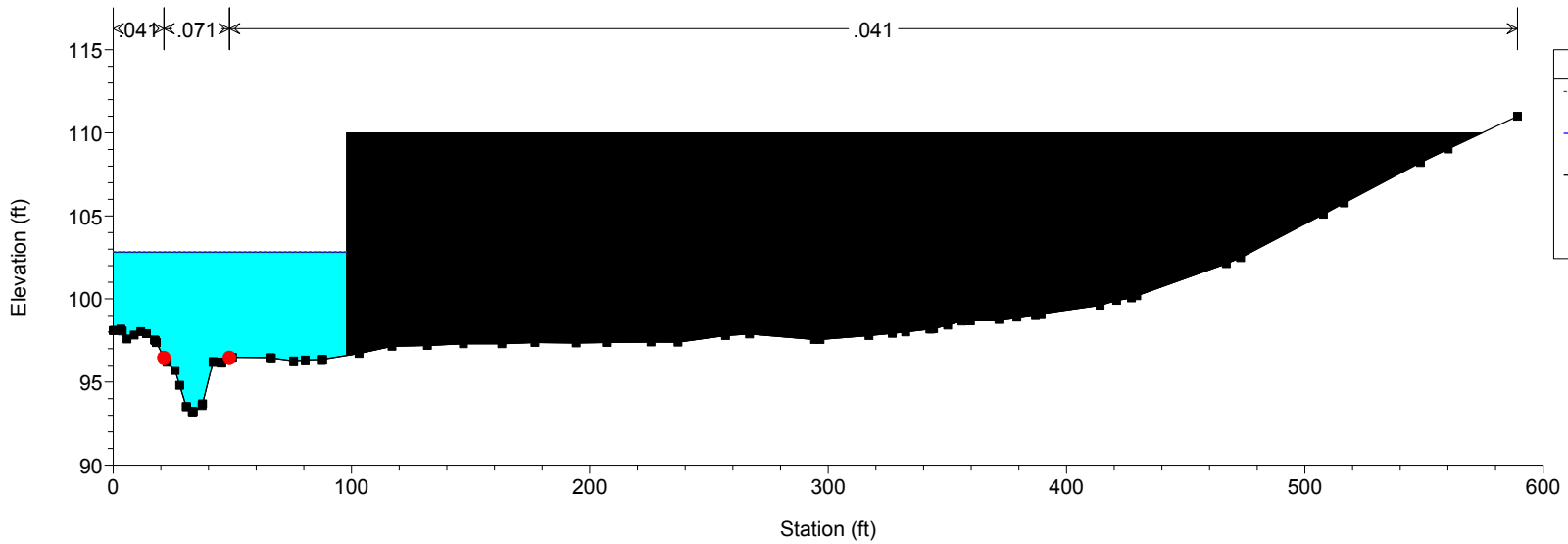
PostDevelopmentTankFarmCreek - Station 10+00 Plan: Plan 18 9/14/2015



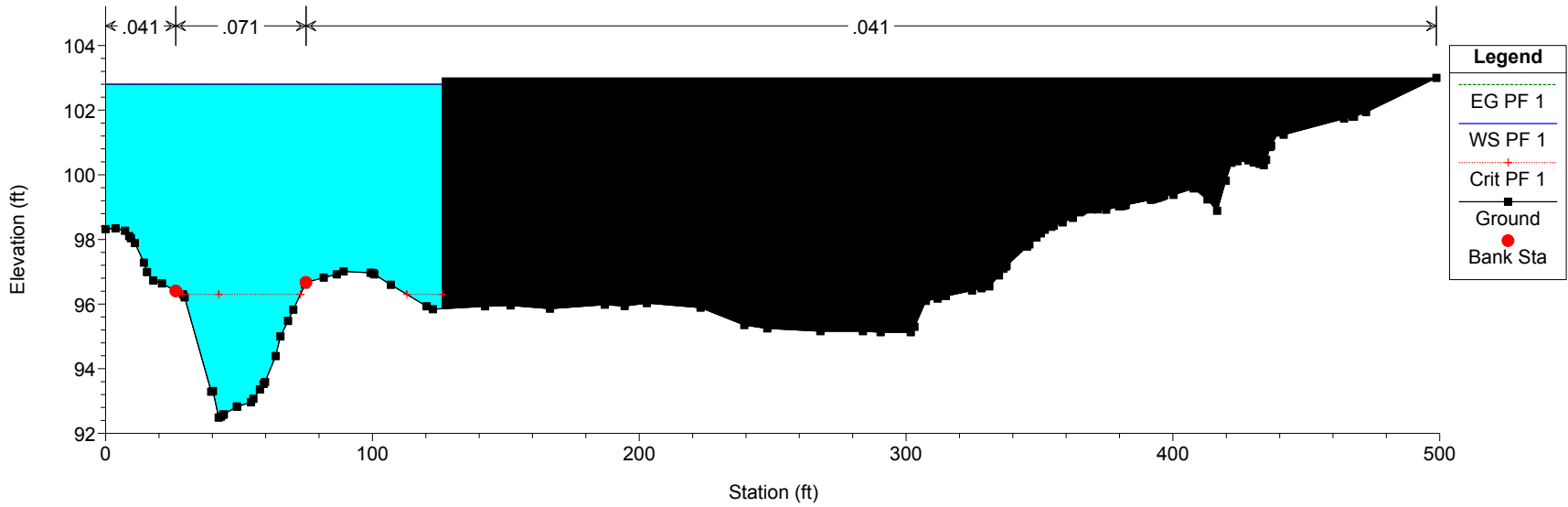
PostDevelopmentTankFarmCreek - Station 9+01 Plan: Plan 18 9/14/2015



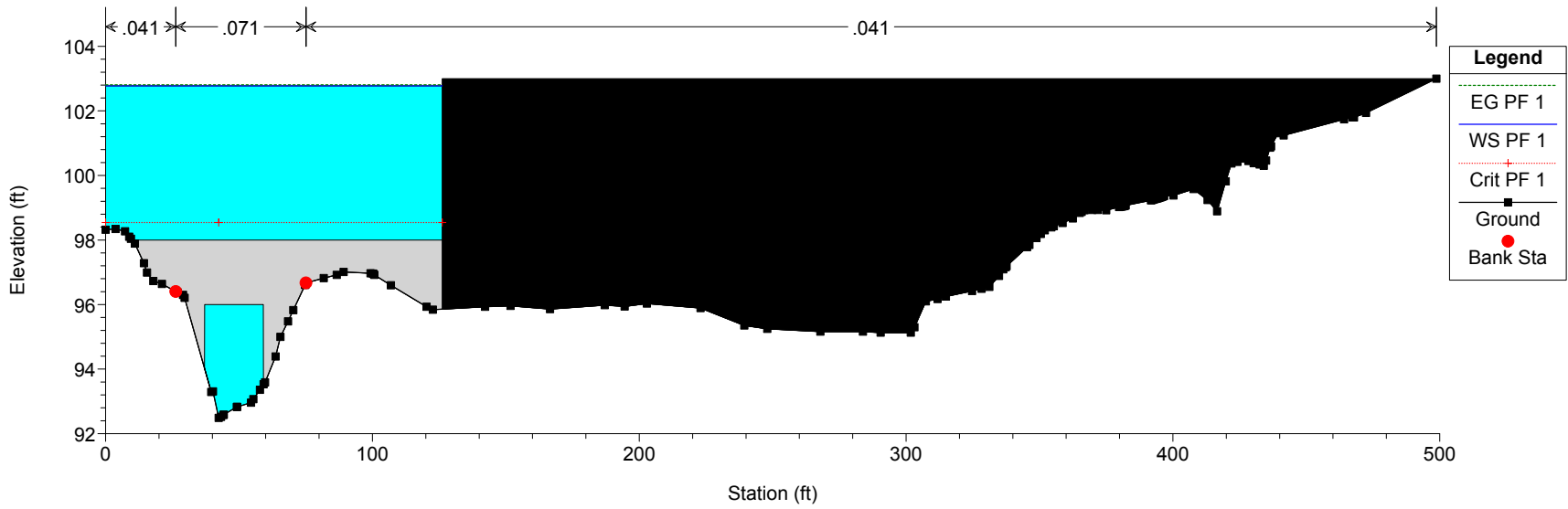
PostDevelopmentTankFarmCreek - Station 8+00 Plan: Plan 18 9/14/2015



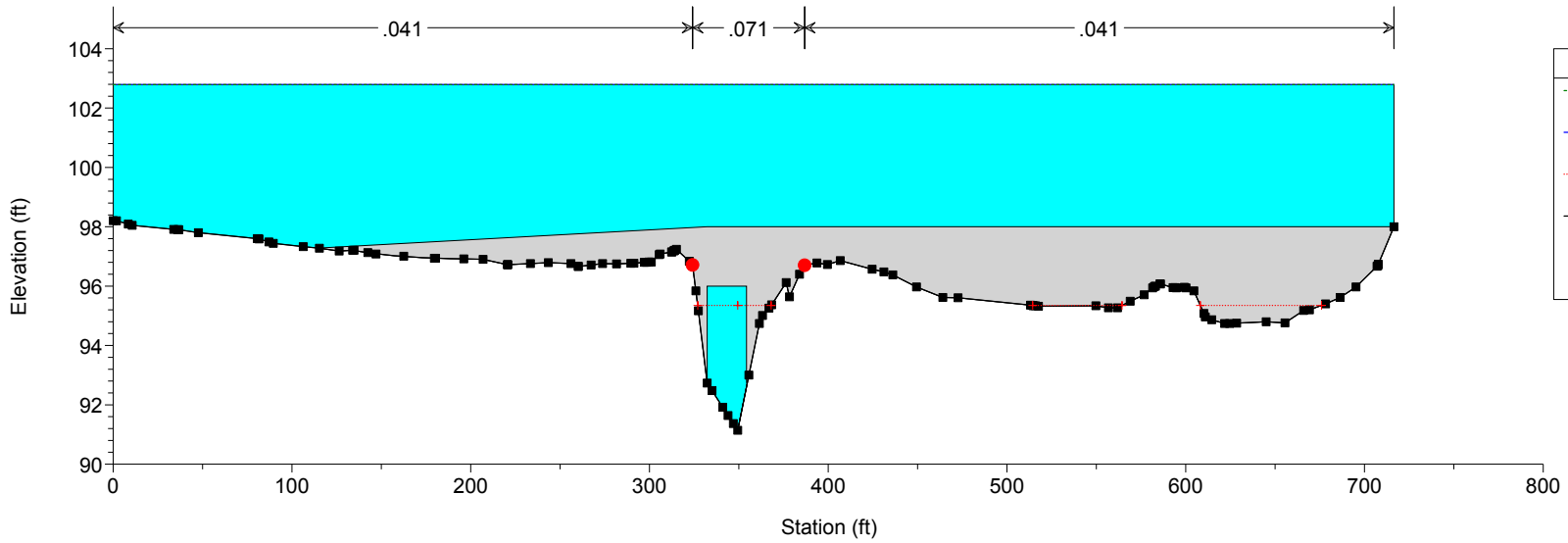
PostDevelopmentTankFarmCreek - Station 6+81 Plan: Plan 18 9/14/2015



PostDevelopmentTankFarmCreek - Station 6+60 Bridge US Plan: Plan 18 9/14/2015

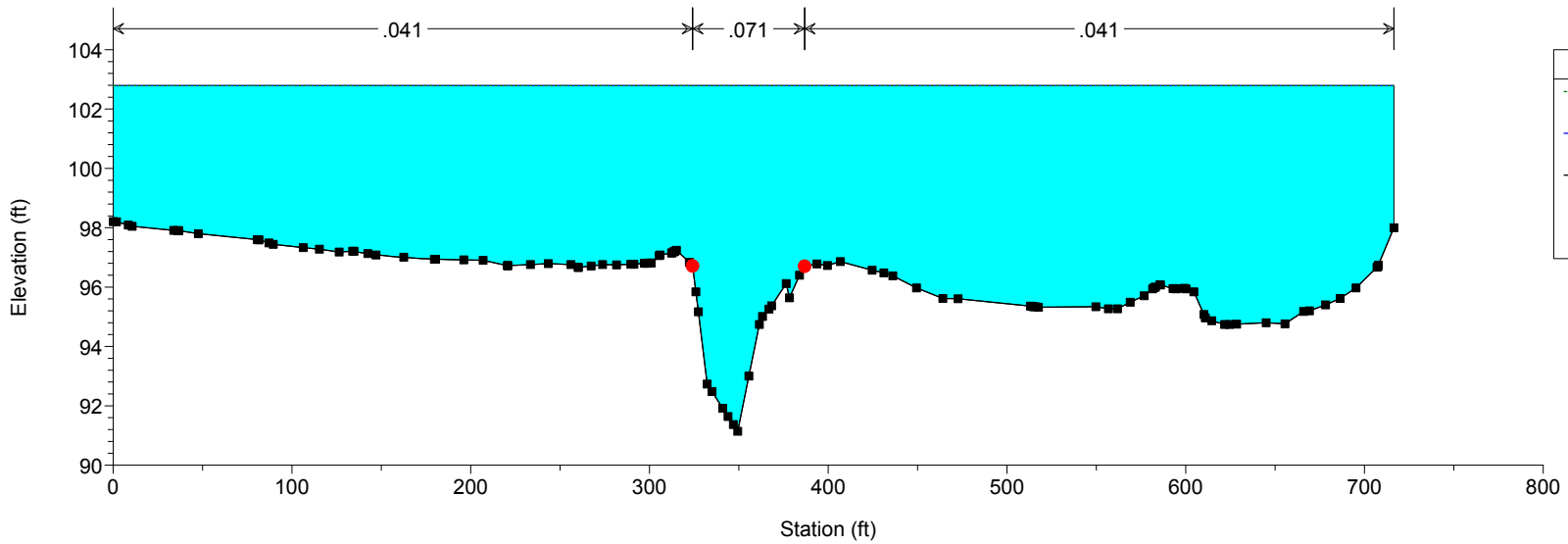


PostDevelopmentTankFarmCreek - Station 6+60 Bridge DS Plan: Plan 18 9/14/2015



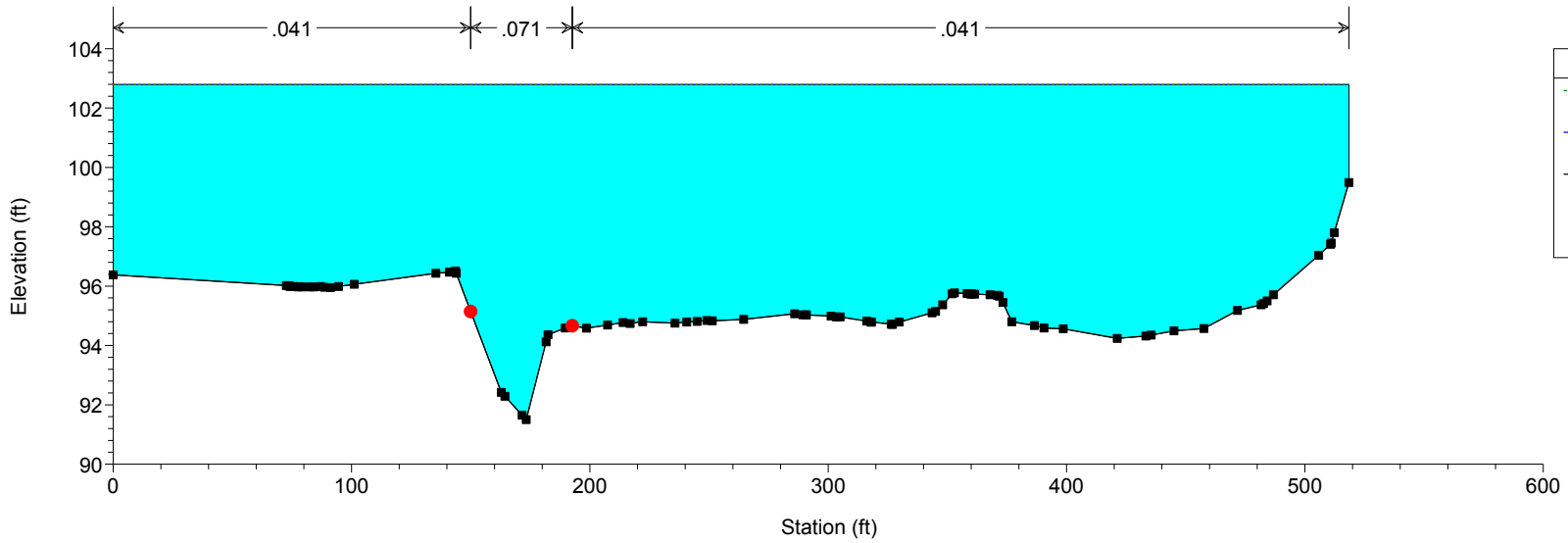
Legend	
EG PF 1	- - - - -
WS PF 1	—————
Crit PF 1	+-----
Ground	■-----
Bank Sta	●-----

PostDevelopmentTankFarmCreek - Station 5+91 Plan: Plan 18 9/14/2015



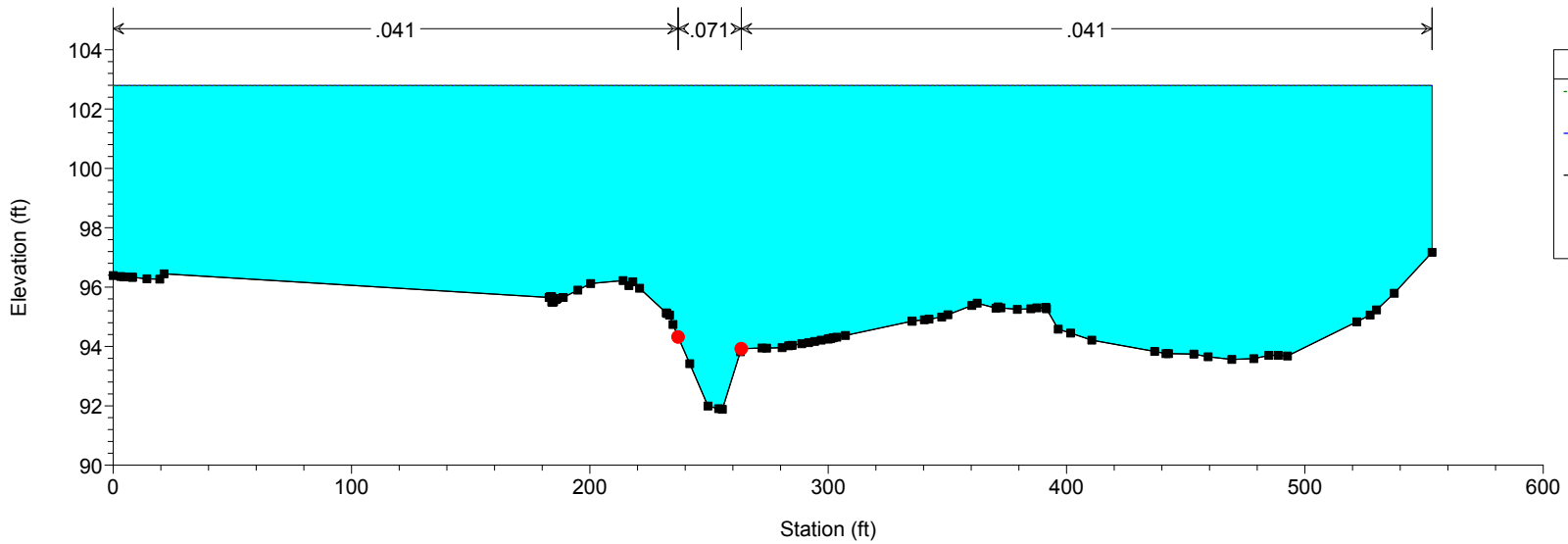
Legend	
EG PF 1	- - - - -
WS PF 1	—————
Ground	■-----
Bank Sta	●-----

PostDevelopmentTankFarmCreek - Station 5+00 Plan: Plan 18 9/14/2015



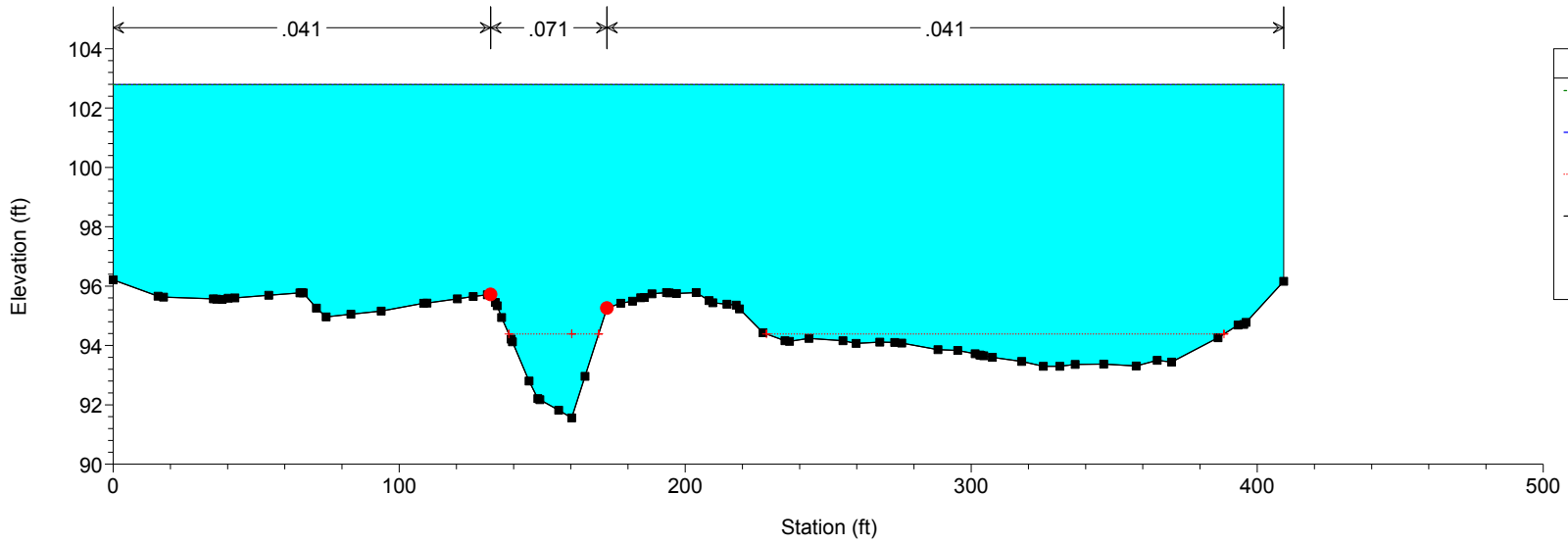
Legend	
EG PF 1	
WS PF 1	
Ground	
Bank Sta	

PostDevelopmentTankFarmCreek - Station 3+98 Plan: Plan 18 9/14/2015



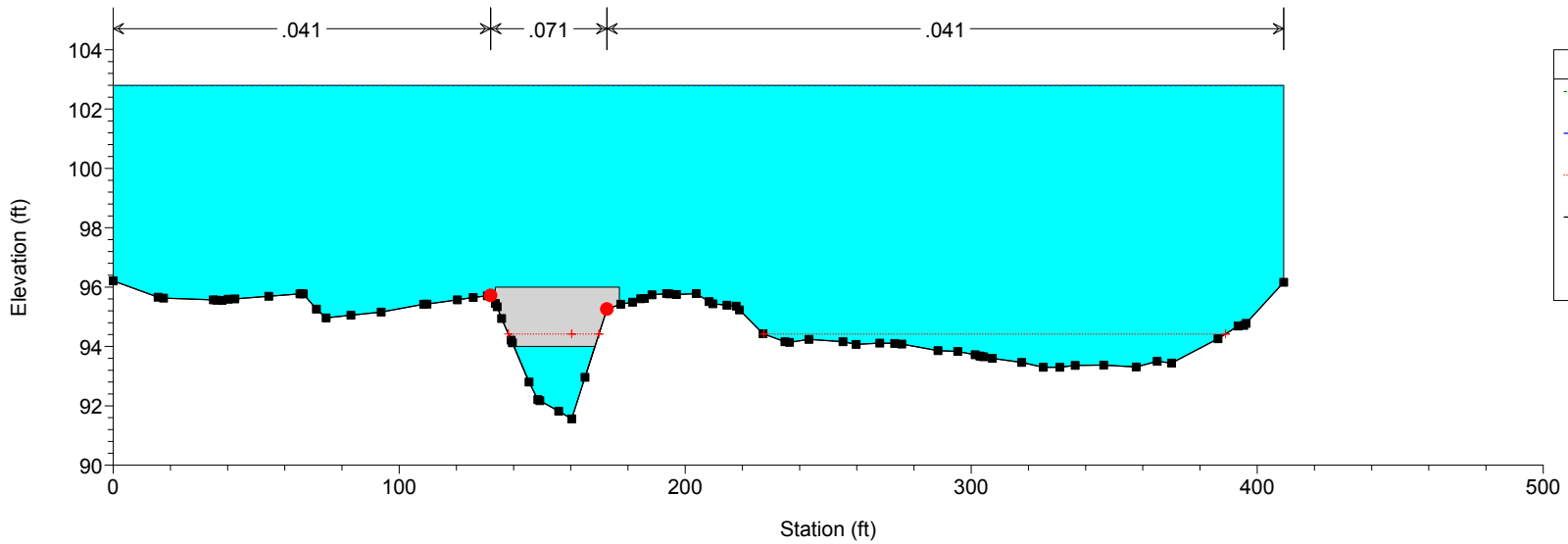
Legend	
EG PF 1	
WS PF 1	
Ground	
Bank Sta	

PostDevelopmentTankFarmCreek - Station 2+93 Plan: Plan 18 9/14/2015



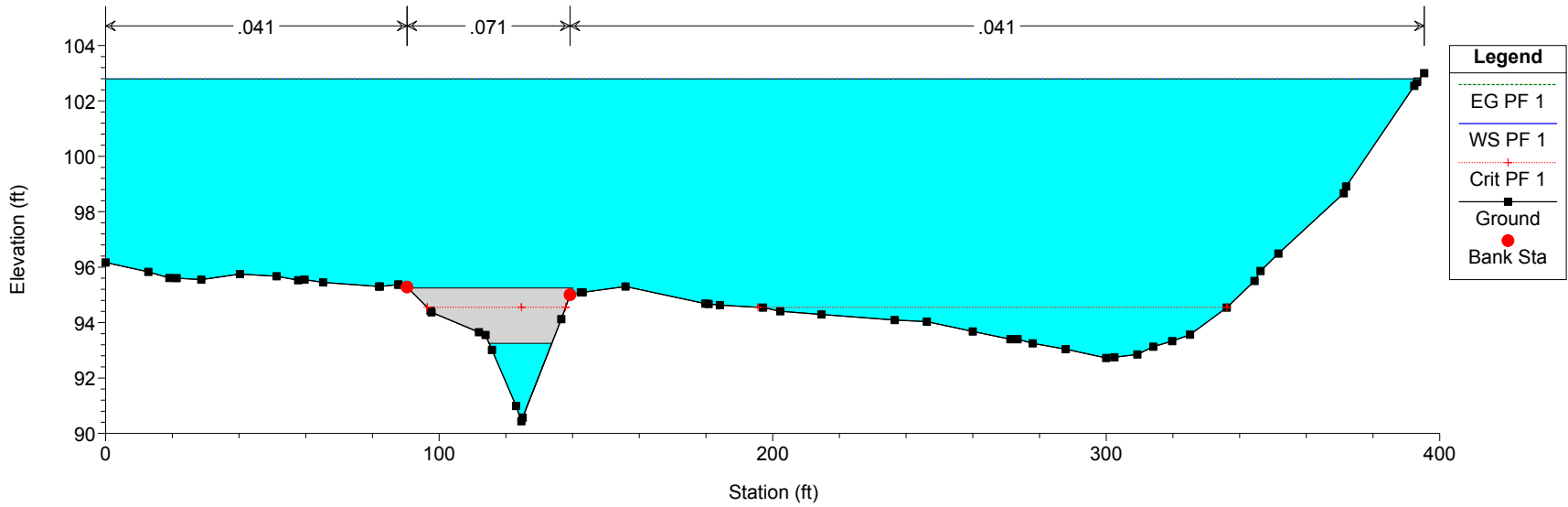
Legend	
EG PF 1	—
WS PF 1	—
Crit PF 1	—
Ground	■
Bank Sta	●

PostDevelopmentTankFarmCreek - Station 2+75 Bridge US Plan: Plan 18 9/14/2015

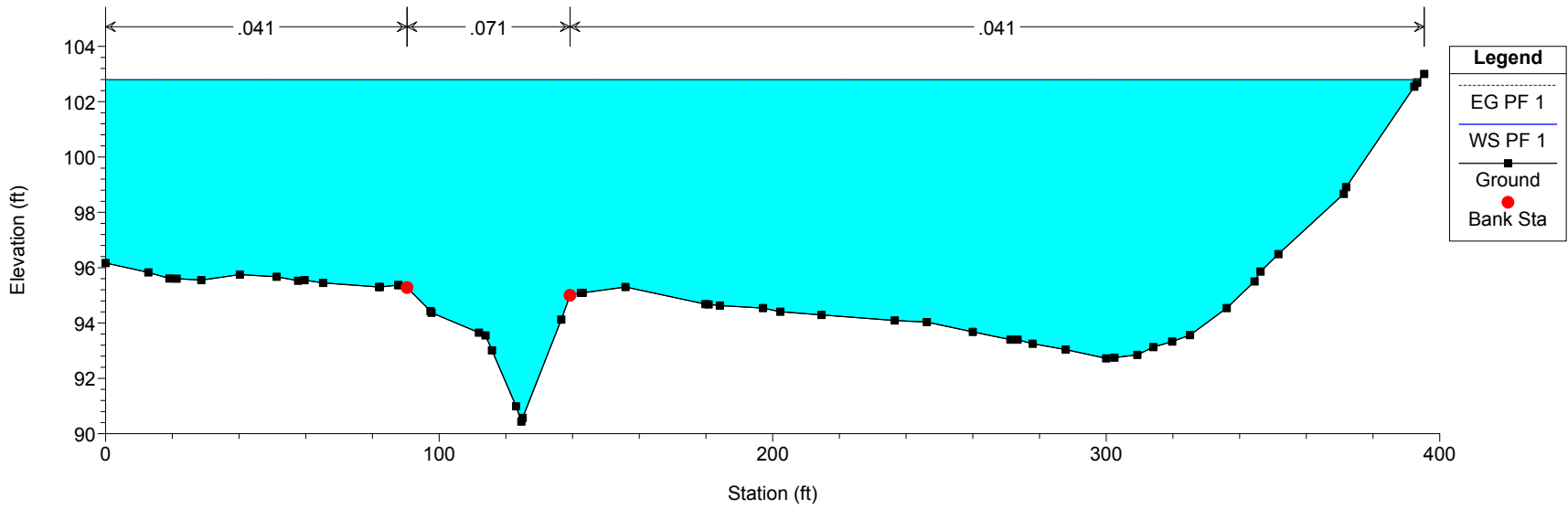


Legend	
EG PF 1	—
WS PF 1	—
Crit PF 1	—
Ground	■
Bank Sta	●

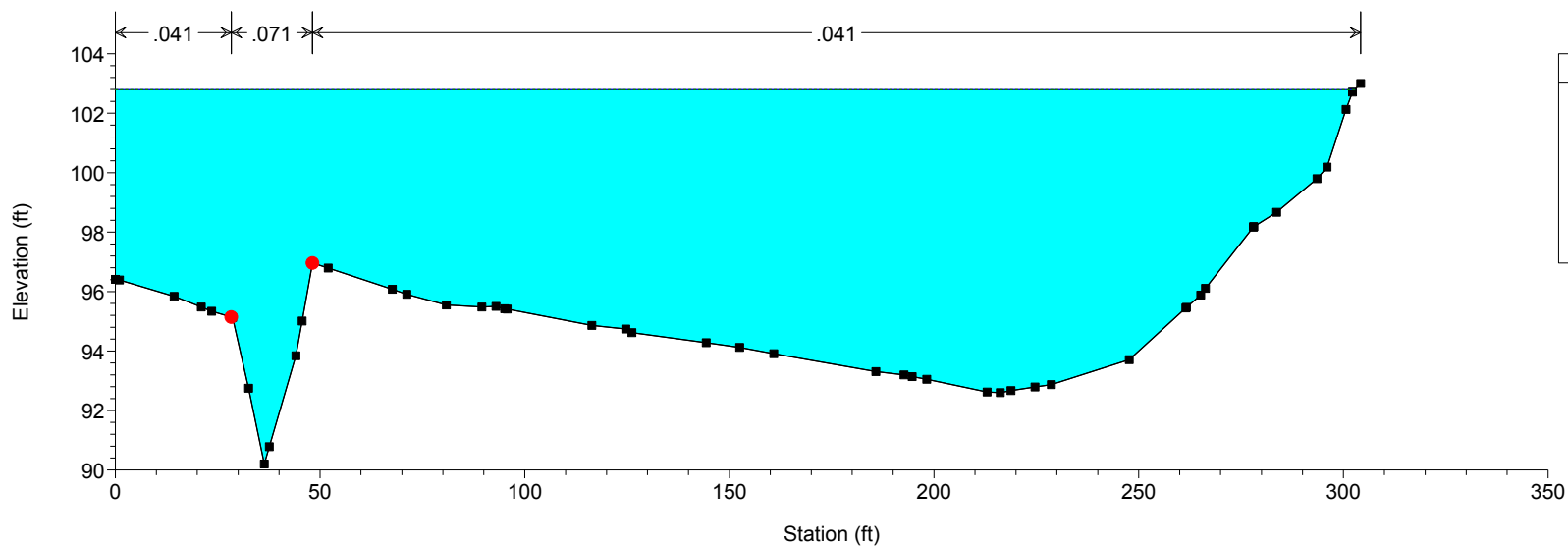
PostDevelopmentTankFarmCreek - Station 2+75 Bridge DS Plan: Plan 18 9/14/2015



PostDevelopmentTankFarmCreek - Station 2+01 Plan: Plan 18 9/14/2015



PostDevelopmentTankFarmCreek - Station 0+99 Plan: Plan 18 9/14/2015



Plan: PostObst Tank Farm Creek TankFarmCreek (2 RS: 4701 Profile: PF 1

E.G. Elev (ft)	114.95	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.035	
W.S. Elev (ft)	114.92	Reach Len. (ft)	59.22	104.68	138.39
Crit W.S. (ft)	114.22	Flow Area (sq ft)		107.09	
E.G. Slope (ft/ft)	0.000791	Area (sq ft)		107.09	
Q Total (cfs)	133.00	Flow (cfs)		133.00	
Top Width (ft)	100.00	Top Width (ft)		100.00	
Vel Total (ft/s)	1.24	Avg. Vel. (ft/s)		1.24	
Max Chl Dpth (ft)	1.92	Hydr. Depth (ft)		1.07	
Conv. Total (cfs)	4728.6	Conv. (cfs)		4728.6	
Length Wtd. (ft)	104.68	Wetted Per. (ft)		100.96	
Min Ch El (ft)	113.00	Shear (lb/sq ft)		0.05	
Alpha	1.00	Stream Power (lb/ft s)	1210.65	0.00	0.00
Frctn Loss (ft)	0.05	Cum Volume (acre-ft)	23.38	22.05	34.35
C & E Loss (ft)	0.00	Cum SA (acres)	3.39	5.23	5.19

Plan: PostObst Tank Farm Creek TankFarmCreek (2 RS: 4597 Profile: PF 1

E.G. Elev (ft)	114.89	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.	0.000	0.035	
W.S. Elev (ft)	114.87	Reach Len. (ft)	98.34	99.16	100.22
Crit W.S. (ft)		Flow Area (sq ft)	0.00	136.13	
E.G. Slope (ft/ft)	0.000355	Area (sq ft)	0.00	136.13	
Q Total (cfs)	133.00	Flow (cfs)	0.00	133.00	
Top Width (ft)	100.00	Top Width (ft)		100.00	
Vel Total (ft/s)	0.98	Avg. Vel. (ft/s)	0.01	0.98	
Max Chl Dpth (ft)	2.21	Hydr. Depth (ft)	0.61	1.36	
Conv. Total (cfs)	7061.2	Conv. (cfs)	0.0	7061.2	
Length Wtd. (ft)	99.16	Wetted Per. (ft)	0.62	100.79	
Min Ch El (ft)	112.66	Shear (lb/sq ft)		0.03	
Alpha	1.00	Stream Power (lb/ft s)	1038.00	0.00	0.00
Frctn Loss (ft)	0.03	Cum Volume (acre-ft)	23.38	21.75	34.35
C & E Loss (ft)	0.00	Cum SA (acres)	3.39	4.99	5.19

Plan: PostObst Tank Farm Creek TankFarmCreek (2 RS: 4498 Profile: PF 1

E.G. Elev (ft)	114.86	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.035	
W.S. Elev (ft)	114.85	Reach Len. (ft)	97.84	97.84	97.85
Crit W.S. (ft)		Flow Area (sq ft)		164.52	
E.G. Slope (ft/ft)	0.000190	Area (sq ft)		164.52	
Q Total (cfs)	133.00	Flow (cfs)		133.00	
Top Width (ft)	100.00	Top Width (ft)		100.00	
Vel Total (ft/s)	0.81	Avg. Vel. (ft/s)		0.81	

Plan: PostObst Tank Farm Creek TankFarmCreek (2 RS: 4498 Profile: PF 1 (Continued)

Max Chl Dpth (ft)	2.52	Hydr. Depth (ft)		1.65	
Conv. Total (cfs)	9641.4	Conv. (cfs)		9641.4	
Length Wtd. (ft)	97.84	Wetted Per. (ft)		101.44	
Min Ch El (ft)	112.33	Shear (lb/sq ft)		0.02	
Alpha	1.00	Stream Power (lb/ft s)	1072.72	0.00	0.00
Frctn Loss (ft)	0.01	Cum Volume (acre-ft)	23.38	21.41	34.35
C & E Loss (ft)	0.00	Cum SA (acres)	3.39	4.76	5.19

Plan: PostObst Tank Farm Creek TankFarmCreek (2 RS: 4400 Profile: PF 1

E.G. Elev (ft)	114.85	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.035	
W.S. Elev (ft)	114.84	Reach Len. (ft)	102.22	102.12	102.01
Crit W.S. (ft)		Flow Area (sq ft)		196.56	
E.G. Slope (ft/ft)	0.000106	Area (sq ft)		196.56	
Q Total (cfs)	133.00	Flow (cfs)		133.00	
Top Width (ft)	100.00	Top Width (ft)		100.00	
Vel Total (ft/s)	0.68	Avg. Vel. (ft/s)		0.68	
Max Chl Dpth (ft)	2.84	Hydr. Depth (ft)		1.97	
Conv. Total (cfs)	12947.9	Conv. (cfs)		12947.9	
Length Wtd. (ft)	102.12	Wetted Per. (ft)		101.70	
Min Ch El (ft)	112.00	Shear (lb/sq ft)		0.01	
Alpha	1.00	Stream Power (lb/ft s)	882.07	0.00	0.00
Frctn Loss (ft)	0.01	Cum Volume (acre-ft)	23.38	21.01	34.35
C & E Loss (ft)	0.00	Cum SA (acres)	3.39	4.54	5.19

Plan: PostObst Tank Farm Creek TankFarmCreek (2 RS: 4298 Profile: PF 1

E.G. Elev (ft)	114.84	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.		0.035	
W.S. Elev (ft)	114.83	Reach Len. (ft)	99.86	99.96	100.07
Crit W.S. (ft)		Flow Area (sq ft)		229.83	
E.G. Slope (ft/ft)	0.000063	Area (sq ft)		229.83	
Q Total (cfs)	133.00	Flow (cfs)		133.00	
Top Width (ft)	99.90	Top Width (ft)		99.90	
Vel Total (ft/s)	0.58	Avg. Vel. (ft/s)		0.58	
Max Chl Dpth (ft)	3.17	Hydr. Depth (ft)		2.30	
Conv. Total (cfs)	16736.4	Conv. (cfs)		16736.4	
Length Wtd. (ft)	99.96	Wetted Per. (ft)		102.30	
Min Ch El (ft)	111.66	Shear (lb/sq ft)		0.01	
Alpha	1.00	Stream Power (lb/ft s)	897.53	0.00	0.00
Frctn Loss (ft)	0.01	Cum Volume (acre-ft)	23.38	20.51	34.35
C & E Loss (ft)	0.00	Cum SA (acres)	3.39	4.31	5.19

Plan: PostObst Tank Farm Creek TankFarmCreek (2 RS: 4198 Profile: PF 1

E.G. Elev (ft)	114.83	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.		0.035	
W.S. Elev (ft)	114.83	Reach Len. (ft)	100.00	100.00	100.00
Crit W.S. (ft)		Flow Area (sq ft)		262.29	
E.G. Slope (ft/ft)	0.000041	Area (sq ft)		262.29	
Q Total (cfs)	133.00	Flow (cfs)		133.00	
Top Width (ft)	100.00	Top Width (ft)		100.00	
Vel Total (ft/s)	0.51	Avg. Vel. (ft/s)		0.51	
Max Chl Dpth (ft)	3.50	Hydr. Depth (ft)		2.62	
Conv. Total (cfs)	20771.9	Conv. (cfs)		20771.9	
Length Wtd. (ft)	100.00	Wetted Per. (ft)		102.95	
Min Ch El (ft)	111.33	Shear (lb/sq ft)		0.01	
Alpha	1.00	Stream Power (lb/ft s)	819.24	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	23.38	19.94	34.35
C & E Loss (ft)	0.00	Cum SA (acres)	3.39	4.08	5.19

Plan: PostObst Tank Farm Creek TankFarmCreek (2 RS: 4098 Profile: PF 1

E.G. Elev (ft)	114.83	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.		0.035	
W.S. Elev (ft)	114.83	Reach Len. (ft)	78.40	98.84	117.59
Crit W.S. (ft)		Flow Area (sq ft)		294.37	
E.G. Slope (ft/ft)	0.000028	Area (sq ft)		294.37	
Q Total (cfs)	133.00	Flow (cfs)		133.00	
Top Width (ft)	100.00	Top Width (ft)		100.00	
Vel Total (ft/s)	0.45	Avg. Vel. (ft/s)		0.45	
Max Chl Dpth (ft)	3.83	Hydr. Depth (ft)		2.94	
Conv. Total (cfs)	25105.5	Conv. (cfs)		25105.5	
Length Wtd. (ft)	98.84	Wetted Per. (ft)		103.39	
Min Ch El (ft)	111.00	Shear (lb/sq ft)		0.00	
Alpha	1.00	Stream Power (lb/ft s)	1188.96	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	23.38	19.30	34.35
C & E Loss (ft)	0.00	Cum SA (acres)	3.39	3.85	5.19

Plan: PostObst Tank Farm Creek TankFarmCreek (2 RS: 3999 Profile: PF 1

E.G. Elev (ft)	114.83	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.		0.035	
W.S. Elev (ft)	114.82	Reach Len. (ft)	199.91	201.68	215.46
Crit W.S. (ft)		Flow Area (sq ft)		328.75	
E.G. Slope (ft/ft)	0.000038	Area (sq ft)		328.75	
Q Total (cfs)	185.00	Flow (cfs)		185.00	
Top Width (ft)	100.00	Top Width (ft)		100.00	
Vel Total (ft/s)	0.56	Avg. Vel. (ft/s)		0.56	

Plan: PostObst Tank Farm Creek TankFarmCreek (2 RS: 3999 Profile: PF 1 (Continued)

Max Chl Dpth (ft)	4.16	Hydr. Depth (ft)		3.29	
Conv. Total (cfs)	29979.9	Conv. (cfs)		29979.9	
Length Wtd. (ft)	203.06	Wetted Per. (ft)		104.42	
Min Ch El (ft)	110.66	Shear (lb/sq ft)		0.01	
Alpha	1.00	Stream Power (lb/ft s)	886.21	0.00	0.00
Frctn Loss (ft)	0.02	Cum Volume (acre-ft)	23.38	18.60	34.35
C & E Loss (ft)	0.01	Cum SA (acres)	3.39	3.62	5.19

Plan: PostObst Tank Farm Creek TankFarmCreek (2 RS: 3797 Profile: PF 1

E.G. Elev (ft)	114.79	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.041	0.071	0.041
W.S. Elev (ft)	114.74	Reach Len. (ft)	96.00	98.74	97.45
Crit W.S. (ft)	112.31	Flow Area (sq ft)	0.42	78.80	21.89
E.G. Slope (ft/ft)	0.002421	Area (sq ft)	0.42	78.80	21.89
Q Total (cfs)	185.00	Flow (cfs)	0.33	147.63	37.04
Top Width (ft)	53.14	Top Width (ft)	1.21	30.07	21.86
Vel Total (ft/s)	1.83	Avg. Vel. (ft/s)	0.80	1.87	1.69
Max Chl Dpth (ft)	5.25	Hydr. Depth (ft)	0.35	2.62	1.00
Conv. Total (cfs)	3759.6	Conv. (cfs)	6.8	3000.0	752.8
Length Wtd. (ft)	98.33	Wetted Per. (ft)	1.39	32.11	23.69
Min Ch El (ft)	109.49	Shear (lb/sq ft)	0.05	0.37	0.14
Alpha	1.01	Stream Power (lb/ft s)	702.81	0.00	128.46
Frctn Loss (ft)	0.30	Cum Volume (acre-ft)	23.38	17.65	34.30
C & E Loss (ft)	0.01	Cum SA (acres)	3.39	3.32	5.14

Plan: PostObst Tank Farm Creek TankFarmCreek (2 RS: 3698 Profile: PF 1

E.G. Elev (ft)	114.49	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.	0.041	0.071	0.041
W.S. Elev (ft)	114.39	Reach Len. (ft)	109.43	103.78	95.80
Crit W.S. (ft)	112.53	Flow Area (sq ft)	0.03	92.73	47.76
E.G. Slope (ft/ft)	0.003465	Area (sq ft)	0.03	92.73	47.76
Q Total (cfs)	344.00	Flow (cfs)	0.01	213.22	130.77
Top Width (ft)	65.36	Top Width (ft)	0.35	34.22	30.79
Vel Total (ft/s)	2.45	Avg. Vel. (ft/s)	0.41	2.30	2.74
Max Chl Dpth (ft)	5.55	Hydr. Depth (ft)	0.10	2.71	1.55
Conv. Total (cfs)	5844.1	Conv. (cfs)	0.2	3622.3	2221.6
Length Wtd. (ft)	100.10	Wetted Per. (ft)	0.40	36.37	32.84
Min Ch El (ft)	108.84	Shear (lb/sq ft)	0.02	0.55	0.31
Alpha	1.02	Stream Power (lb/ft s)	757.39	0.00	146.62
Frctn Loss (ft)	0.22	Cum Volume (acre-ft)	23.37	17.46	34.22
C & E Loss (ft)	0.01	Cum SA (acres)	3.39	3.25	5.08

Plan: PostObst Tank Farm Creek TankFarmCreek (2 RS: 3595 Profile: PF 1

E.G. Elev (ft)	114.26	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.041	0.071	0.041
W.S. Elev (ft)	114.20	Reach Len. (ft)	95.68	94.63	94.00
Crit W.S. (ft)	111.77	Flow Area (sq ft)	0.86	110.15	86.01
E.G. Slope (ft/ft)	0.001471	Area (sq ft)	0.86	110.15	86.01
Q Total (cfs)	344.00	Flow (cfs)	0.40	156.64	186.96
Top Width (ft)	90.20	Top Width (ft)	4.36	44.26	41.58
Vel Total (ft/s)	1.75	Avg. Vel. (ft/s)	0.47	1.42	2.17
Max Chl Dpth (ft)	6.17	Hydr. Depth (ft)	0.20	2.49	2.07
Conv. Total (cfs)	8969.0	Conv. (cfs)	10.5	4084.1	4874.4
Length Wtd. (ft)	94.46	Wetted Per. (ft)	4.38	46.71	43.99
Min Ch El (ft)	108.03	Shear (lb/sq ft)	0.02	0.22	0.18
Alpha	1.14	Stream Power (lb/ft s)	872.08	0.00	182.66
Frctn Loss (ft)	0.29	Cum Volume (acre-ft)	23.37	17.22	34.07
C & E Loss (ft)	0.02	Cum SA (acres)	3.38	3.15	5.00

Plan: PostObst Tank Farm Creek TankFarmCreek (2 RS: 3500 Profile: PF 1

E.G. Elev (ft)	113.95	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.21	Wt. n-Val.		0.071	
W.S. Elev (ft)	113.73	Reach Len. (ft)	99.71	100.69	101.89
Crit W.S. (ft)	111.65	Flow Area (sq ft)		92.66	
E.G. Slope (ft/ft)	0.010425	Area (sq ft)		92.66	
Q Total (cfs)	344.00	Flow (cfs)		344.00	
Top Width (ft)	37.83	Top Width (ft)		37.83	
Vel Total (ft/s)	3.71	Avg. Vel. (ft/s)		3.71	
Max Chl Dpth (ft)	5.86	Hydr. Depth (ft)		2.45	
Conv. Total (cfs)	3369.2	Conv. (cfs)		3369.2	
Length Wtd. (ft)	101.01	Wetted Per. (ft)		40.46	
Min Ch El (ft)	107.87	Shear (lb/sq ft)		1.49	
Alpha	1.00	Stream Power (lb/ft s)	1754.14	0.00	207.01
Frctn Loss (ft)	0.50	Cum Volume (acre-ft)	23.37	17.00	33.98
C & E Loss (ft)	0.04	Cum SA (acres)	3.38	3.06	4.95

Plan: PostObst Tank Farm Creek TankFarmCreek (2 RS: 3399 Profile: PF 1

E.G. Elev (ft)	113.41	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.	0.041	0.071	0.041
W.S. Elev (ft)	113.33	Reach Len. (ft)	100.06	99.37	98.97
Crit W.S. (ft)	111.60	Flow Area (sq ft)	0.03	90.62	79.31
E.G. Slope (ft/ft)	0.003008	Area (sq ft)	0.03	90.62	79.31
Q Total (cfs)	376.00	Flow (cfs)	0.01	184.28	191.71
Top Width (ft)	94.28	Top Width (ft)	0.82	35.91	57.55
Vel Total (ft/s)	2.21	Avg. Vel. (ft/s)	0.21	2.03	2.42

Plan: PostObst Tank Farm Creek TankFarmCreek (2 RS: 3399 Profile: PF 1 (Continued)

Max Chl Dpth (ft)	5.70	Hydr. Depth (ft)	0.03	2.52	1.38
Conv. Total (cfs)	6855.9	Conv. (cfs)	0.1	3360.1	3495.7
Length Wtd. (ft)	99.19	Wetted Per. (ft)	0.83	38.42	59.13
Min Ch El (ft)	107.63	Shear (lb/sq ft)	0.01	0.44	0.25
Alpha	1.02	Stream Power (lb/ft s)	1728.69	0.00	269.12
Frctn Loss (ft)	0.31	Cum Volume (acre-ft)	23.37	16.78	33.88
C & E Loss (ft)	0.00	Cum SA (acres)	3.38	2.98	4.89

Plan: PostObst Tank Farm Creek TankFarmCreek (2 RS: 3300 Profile: PF 1

E.G. Elev (ft)	113.09	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.09	Wt. n-Val.	0.041	0.071	0.041
W.S. Elev (ft)	113.00	Reach Len. (ft)	107.12	99.93	93.38
Crit W.S. (ft)	111.04	Flow Area (sq ft)	0.61	110.52	52.08
E.G. Slope (ft/ft)	0.003347	Area (sq ft)	0.61	110.52	52.08
Q Total (cfs)	376.00	Flow (cfs)	0.39	225.14	150.48
Top Width (ft)	82.13	Top Width (ft)	3.57	48.56	30.00
Vel Total (ft/s)	2.30	Avg. Vel. (ft/s)	0.64	2.04	2.89
Max Chl Dpth (ft)	5.89	Hydr. Depth (ft)	0.17	2.28	1.74
Conv. Total (cfs)	6499.1	Conv. (cfs)	6.7	3891.4	2601.0
Length Wtd. (ft)	98.01	Wetted Per. (ft)	3.58	50.64	32.20
Min Ch El (ft)	107.11	Shear (lb/sq ft)	0.04	0.46	0.34
Alpha	1.10	Stream Power (lb/ft s)	1785.06	0.00	396.26
Frctn Loss (ft)	0.25	Cum Volume (acre-ft)	23.37	16.56	33.74
C & E Loss (ft)	0.01	Cum SA (acres)	3.37	2.88	4.79

Plan: PostObst Tank Farm Creek TankFarmCreek (2 RS: 3200 Profile: PF 1

E.G. Elev (ft)	112.84	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.07	Wt. n-Val.	0.041	0.071	0.041
W.S. Elev (ft)	112.77	Reach Len. (ft)	151.18	149.52	148.62
Crit W.S. (ft)	111.80	Flow Area (sq ft)	48.97	70.30	81.50
E.G. Slope (ft/ft)	0.002033	Area (sq ft)	48.97	70.30	81.50
Q Total (cfs)	424.00	Flow (cfs)	90.44	150.34	183.22
Top Width (ft)	106.16	Top Width (ft)	39.95	18.21	48.00
Vel Total (ft/s)	2.11	Avg. Vel. (ft/s)	1.85	2.14	2.25
Max Chl Dpth (ft)	5.70	Hydr. Depth (ft)	1.23	3.86	1.70
Conv. Total (cfs)	9403.8	Conv. (cfs)	2005.7	3334.5	4063.6
Length Wtd. (ft)	149.72	Wetted Per. (ft)	40.77	20.61	50.50
Min Ch El (ft)	107.07	Shear (lb/sq ft)	0.15	0.43	0.20
Alpha	1.02	Stream Power (lb/ft s)	1782.36	0.00	455.26
Frctn Loss (ft)	0.23	Cum Volume (acre-ft)	23.31	16.35	33.59
C & E Loss (ft)	0.01	Cum SA (acres)	3.32	2.81	4.70

Plan: PostObst Tank Farm Creek TankFarmCreek (2 RS: 3050 Profile: PF 1

E.G. Elev (ft)	112.60	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.041	0.071	0.041
W.S. Elev (ft)	112.55	Reach Len. (ft)	102.96	128.25	152.52
Crit W.S. (ft)	110.03	Flow Area (sq ft)	72.45	127.48	40.50
E.G. Slope (ft/ft)	0.001195	Area (sq ft)	72.45	127.48	40.50
Q Total (cfs)	424.00	Flow (cfs)	145.22	217.69	61.09
Top Width (ft)	95.37	Top Width (ft)	33.51	33.26	28.60
Vel Total (ft/s)	1.76	Avg. Vel. (ft/s)	2.00	1.71	1.51
Max Chl Dpth (ft)	6.33	Hydr. Depth (ft)	2.16	3.83	1.42
Conv. Total (cfs)	12263.7	Conv. (cfs)	4200.3	6296.5	1766.9
Length Wtd. (ft)	127.35	Wetted Per. (ft)	35.80	35.16	30.67
Min Ch El (ft)	106.22	Shear (lb/sq ft)	0.15	0.27	0.10
Alpha	1.03	Stream Power (lb/ft s)	1915.52	0.00	540.87
Frctn Loss (ft)	0.22	Cum Volume (acre-ft)	23.10	16.01	33.38
C & E Loss (ft)	0.00	Cum SA (acres)	3.19	2.72	4.57

Plan: PostObst Tank Farm Creek TankFarmCreek (2 RS: 2922 Profile: PF 1

E.G. Elev (ft)	112.38	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.	0.041	0.071	0.041
W.S. Elev (ft)	112.31	Reach Len. (ft)	65.18	70.74	75.22
Crit W.S. (ft)	109.70	Flow Area (sq ft)	25.18	122.83	48.06
E.G. Slope (ft/ft)	0.002603	Area (sq ft)	25.18	122.83	48.06
Q Total (cfs)	424.00	Flow (cfs)	38.34	286.97	98.69
Top Width (ft)	108.45	Top Width (ft)	33.66	35.81	38.98
Vel Total (ft/s)	2.16	Avg. Vel. (ft/s)	1.52	2.34	2.05
Max Chl Dpth (ft)	6.33	Hydr. Depth (ft)	0.75	3.43	1.23
Conv. Total (cfs)	8310.1	Conv. (cfs)	751.4	5624.5	1934.2
Length Wtd. (ft)	70.74	Wetted Per. (ft)	33.71	37.95	41.06
Min Ch El (ft)	105.98	Shear (lb/sq ft)	0.12	0.53	0.19
Alpha	1.04	Stream Power (lb/ft s)	1612.78	0.00	188.42
Frctn Loss (ft)		Cum Volume (acre-ft)	22.98	15.64	33.23
C & E Loss (ft)		Cum SA (acres)	3.11	2.62	4.45

Plan: PostObst Tank Farm Creek TankFarmCreek (2 RS: 2851 Profile: PF 1

E.G. Elev (ft)	112.33	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.06	Wt. n-Val.	0.041	0.071	0.041
W.S. Elev (ft)	112.27	Reach Len. (ft)	151.83	151.59	151.54
Crit W.S. (ft)	109.77	Flow Area (sq ft)	59.34	105.44	58.27
E.G. Slope (ft/ft)	0.001463	Area (sq ft)	59.34	105.44	58.27
Q Total (cfs)	424.00	Flow (cfs)	104.07	212.30	107.63
Top Width (ft)	101.44	Top Width (ft)	41.61	24.05	35.78
Vel Total (ft/s)	1.90	Avg. Vel. (ft/s)	1.75	2.01	1.85

Plan: PostObst Tank Farm Creek TankFarmCreek (2 RS: 2851 Profile: PF 1 (Continued)

Max Chl Dpth (ft)	6.38	Hydr. Depth (ft)	1.43	4.38	1.63
Conv. Total (cfs)	11083.4	Conv. (cfs)	2720.3	5549.6	2813.5
Length Wtd. (ft)	151.61	Wetted Per. (ft)	41.71	26.44	37.89
Min Ch El (ft)	105.89	Shear (lb/sq ft)	0.13	0.36	0.14
Alpha	1.01	Stream Power (lb/ft s)	1568.63	0.00	167.96
Frctn Loss (ft)	0.35	Cum Volume (acre-ft)	22.98	15.40	33.23
C & E Loss (ft)	0.02	Cum SA (acres)	3.06	2.57	4.39

Plan: PostObst Tank Farm Creek TankFarmCreek (2 RS: 2700 Profile: PF 1

E.G. Elev (ft)	111.96	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.	0.041	0.071	0.041
W.S. Elev (ft)	111.85	Reach Len. (ft)	111.49	108.17	105.42
Crit W.S. (ft)	109.28	Flow Area (sq ft)	0.90	125.19	28.74
E.G. Slope (ft/ft)	0.004125	Area (sq ft)	0.90	125.19	28.74
Q Total (cfs)	424.00	Flow (cfs)	0.88	340.80	82.33
Top Width (ft)	62.99	Top Width (ft)	3.25	40.79	18.95
Vel Total (ft/s)	2.74	Avg. Vel. (ft/s)	0.98	2.72	2.86
Max Chl Dpth (ft)	6.19	Hydr. Depth (ft)	0.28	3.07	1.52
Conv. Total (cfs)	6601.9	Conv. (cfs)	13.7	5306.4	1281.9
Length Wtd. (ft)	107.92	Wetted Per. (ft)	3.31	43.44	21.05
Min Ch El (ft)	105.66	Shear (lb/sq ft)	0.07	0.74	0.35
Alpha	1.01	Stream Power (lb/ft s)	1445.16	0.00	165.87
Frctn Loss (ft)	0.59	Cum Volume (acre-ft)	22.88	15.00	33.08
C & E Loss (ft)	0.01	Cum SA (acres)	2.98	2.45	4.30

Plan: PostObst Tank Farm Creek TankFarmCreek (2 RS: 2592 Profile: PF 1

E.G. Elev (ft)	111.36	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.26	Wt. n-Val.	0.041	0.071	
W.S. Elev (ft)	111.10	Reach Len. (ft)	87.93	91.99	96.49
Crit W.S. (ft)	108.85	Flow Area (sq ft)	1.76	103.69	
E.G. Slope (ft/ft)	0.007668	Area (sq ft)	1.76	103.69	
Q Total (cfs)	424.00	Flow (cfs)	2.18	421.82	
Top Width (ft)	35.79	Top Width (ft)	7.13	28.66	
Vel Total (ft/s)	4.02	Avg. Vel. (ft/s)	1.24	4.07	
Max Chl Dpth (ft)	6.02	Hydr. Depth (ft)	0.25	3.62	
Conv. Total (cfs)	4842.0	Conv. (cfs)	24.9	4817.1	
Length Wtd. (ft)	91.98	Wetted Per. (ft)	7.25	31.36	
Min Ch El (ft)	105.08	Shear (lb/sq ft)	0.12	1.58	
Alpha	1.02	Stream Power (lb/ft s)	1334.77	0.00	188.04
Frctn Loss (ft)	0.97	Cum Volume (acre-ft)	22.88	14.71	33.04
C & E Loss (ft)	0.02	Cum SA (acres)	2.97	2.37	4.27

Plan: PostObst Tank Farm Creek TankFarmCreek (2 RS: 2500 Profile: PF 1

E.G. Elev (ft)	110.37	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.45	Wt. n-Val.		0.071	
W.S. Elev (ft)	109.91	Reach Len. (ft)	112.88	103.15	93.96
Crit W.S. (ft)	108.41	Flow Area (sq ft)		78.42	
E.G. Slope (ft/ft)	0.015376	Area (sq ft)		78.42	
Q Total (cfs)	424.00	Flow (cfs)		424.00	
Top Width (ft)	23.10	Top Width (ft)		23.10	
Vel Total (ft/s)	5.41	Avg. Vel. (ft/s)		5.41	
Max Chl Dpth (ft)	5.32	Hydr. Depth (ft)		3.40	
Conv. Total (cfs)	3419.4	Conv. (cfs)		3419.4	
Length Wtd. (ft)	101.63	Wetted Per. (ft)		26.08	
Min Ch El (ft)	104.59	Shear (lb/sq ft)		2.89	
Alpha	1.00	Stream Power (lb/ft s)	1184.42	0.00	122.38
Frctn Loss (ft)	0.99	Cum Volume (acre-ft)	22.87	14.52	33.04
C & E Loss (ft)	0.08	Cum SA (acres)	2.96	2.31	4.27

Plan: PostObst Tank Farm Creek TankFarmCreek (2 RS: 2397 Profile: PF 1

E.G. Elev (ft)	109.29	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.19	Wt. n-Val.	0.041	0.071	0.041
W.S. Elev (ft)	109.11	Reach Len. (ft)	107.26	99.62	92.59
Crit W.S. (ft)	107.09	Flow Area (sq ft)	0.28	113.48	59.36
E.G. Slope (ft/ft)	0.007435	Area (sq ft)	0.28	113.48	59.36
Q Total (cfs)	587.00	Flow (cfs)	0.17	418.89	167.93
Top Width (ft)	106.13	Top Width (ft)	3.17	35.49	67.47
Vel Total (ft/s)	3.39	Avg. Vel. (ft/s)	0.62	3.69	2.83
Max Chl Dpth (ft)	6.08	Hydr. Depth (ft)	0.09	3.20	0.88
Conv. Total (cfs)	6807.8	Conv. (cfs)	2.0	4858.1	1947.6
Length Wtd. (ft)	98.62	Wetted Per. (ft)	3.17	38.79	68.91
Min Ch El (ft)	103.03	Shear (lb/sq ft)	0.04	1.36	0.40
Alpha	1.04	Stream Power (lb/ft s)	893.84	0.00	145.80
Frctn Loss (ft)	0.76	Cum Volume (acre-ft)	22.87	14.29	32.98
C & E Loss (ft)	0.01	Cum SA (acres)	2.95	2.24	4.20

Plan: PostObst Tank Farm Creek TankFarmCreek (2 RS: 2297 Profile: PF 1

E.G. Elev (ft)	108.53	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.27	Wt. n-Val.	0.041	0.071	0.041
W.S. Elev (ft)	108.26	Reach Len. (ft)	111.53	96.82	81.90
Crit W.S. (ft)	105.79	Flow Area (sq ft)	0.96	140.68	0.03
E.G. Slope (ft/ft)	0.007893	Area (sq ft)	0.96	140.68	0.03
Q Total (cfs)	587.00	Flow (cfs)	0.90	586.08	0.02
Top Width (ft)	45.79	Top Width (ft)	6.15	39.28	0.36
Vel Total (ft/s)	4.14	Avg. Vel. (ft/s)	0.93	4.17	0.60

Plan: PostObst Tank Farm Creek TankFarmCreek (2 RS: 2297 Profile: PF 1 (Continued)

Max Chl Dpth (ft)	6.19	Hydr. Depth (ft)	0.16	3.58	0.09
Conv. Total (cfs)	6607.3	Conv. (cfs)	10.1	6597.0	0.2
Length Wtd. (ft)	96.85	Wetted Per. (ft)	6.16	41.94	0.41
Min Ch El (ft)	102.07	Shear (lb/sq ft)	0.08	1.65	0.04
Alpha	1.01	Stream Power (lb/ft s)	853.62	0.00	170.39
Frctn Loss (ft)	0.80	Cum Volume (acre-ft)	22.87	14.00	32.92
C & E Loss (ft)	0.00	Cum SA (acres)	2.94	2.16	4.13

Plan: PostObst Tank Farm Creek TankFarmCreek (2 RS: 2200 Profile: PF 1

E.G. Elev (ft)	107.73	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.28	Wt. n-Val.	0.041	0.071	0.041
W.S. Elev (ft)	107.45	Reach Len. (ft)	101.79	102.61	104.00
Crit W.S. (ft)	105.14	Flow Area (sq ft)	1.24	137.48	0.16
E.G. Slope (ft/ft)	0.008703	Area (sq ft)	1.24	137.48	0.16
Q Total (cfs)	587.00	Flow (cfs)	1.30	585.53	0.17
Top Width (ft)	48.14	Top Width (ft)	7.17	40.22	0.75
Vel Total (ft/s)	4.23	Avg. Vel. (ft/s)	1.05	4.26	1.09
Max Chl Dpth (ft)	6.04	Hydr. Depth (ft)	0.17	3.42	0.21
Conv. Total (cfs)	6292.3	Conv. (cfs)	14.0	6276.5	1.8
Length Wtd. (ft)	102.61	Wetted Per. (ft)	7.18	42.67	0.86
Min Ch El (ft)	101.41	Shear (lb/sq ft)	0.09	1.75	0.10
Alpha	1.01	Stream Power (lb/ft s)	884.33	0.00	161.40
Frctn Loss (ft)	0.74	Cum Volume (acre-ft)	22.87	13.69	32.92
C & E Loss (ft)	0.01	Cum SA (acres)	2.93	2.07	4.13

Plan: PostObst Tank Farm Creek TankFarmCreek (2 RS: 2097 Profile: PF 1

E.G. Elev (ft)	106.98	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.24	Wt. n-Val.		0.071	
W.S. Elev (ft)	106.74	Reach Len. (ft)	95.92	96.95	97.50
Crit W.S. (ft)	104.17	Flow Area (sq ft)		153.53	
E.G. Slope (ft/ft)	0.006062	Area (sq ft)		153.53	
Q Total (cfs)	604.00	Flow (cfs)		604.00	
Top Width (ft)	36.99	Top Width (ft)		36.99	
Vel Total (ft/s)	3.93	Avg. Vel. (ft/s)		3.93	
Max Chl Dpth (ft)	5.97	Hydr. Depth (ft)		4.15	
Conv. Total (cfs)	7757.5	Conv. (cfs)		7757.5	
Length Wtd. (ft)	96.95	Wetted Per. (ft)		40.93	
Min Ch El (ft)	100.77	Shear (lb/sq ft)		1.42	
Alpha	1.00	Stream Power (lb/ft s)	948.26	0.00	168.34
Frctn Loss (ft)	0.61	Cum Volume (acre-ft)	22.87	13.35	32.92
C & E Loss (ft)	0.00	Cum SA (acres)	2.92	1.98	4.13

Plan: PostObst Tank Farm Creek TankFarmCreek (2 RS: 2001 Profile: PF 1

E.G. Elev (ft)	106.37	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.25	Wt. n-Val.		0.071	
W.S. Elev (ft)	106.11	Reach Len. (ft)	83.50	100.51	119.37
Crit W.S. (ft)		Flow Area (sq ft)		149.60	
E.G. Slope (ft/ft)	0.006532	Area (sq ft)		149.60	
Q Total (cfs)	604.00	Flow (cfs)		604.00	
Top Width (ft)	38.07	Top Width (ft)		38.07	
Vel Total (ft/s)	4.04	Avg. Vel. (ft/s)		4.04	
Max Chl Dpth (ft)	5.95	Hydr. Depth (ft)		3.93	
Conv. Total (cfs)	7473.5	Conv. (cfs)		7473.5	
Length Wtd. (ft)	100.51	Wetted Per. (ft)		40.57	
Min Ch El (ft)	100.16	Shear (lb/sq ft)		1.50	
Alpha	1.00	Stream Power (lb/ft s)	1033.45	0.00	0.00
Frctn Loss (ft)	0.70	Cum Volume (acre-ft)	22.87	13.01	32.92
C & E Loss (ft)	0.00	Cum SA (acres)	2.92	1.90	4.13

Plan: PostObst Tank Farm Creek TankFarmCreek (2 RS: 1900 Profile: PF 1

E.G. Elev (ft)	105.66	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.26	Wt. n-Val.	0.000	0.071	
W.S. Elev (ft)	105.40	Reach Len. (ft)	97.63	99.67	102.56
Crit W.S. (ft)		Flow Area (sq ft)	0.00	147.59	
E.G. Slope (ft/ft)	0.007542	Area (sq ft)	0.00	147.59	
Q Total (cfs)	604.00	Flow (cfs)	0.00	604.00	
Top Width (ft)	41.29	Top Width (ft)	0.05	41.24	
Vel Total (ft/s)	4.09	Avg. Vel. (ft/s)	0.19	4.09	
Max Chl Dpth (ft)	5.82	Hydr. Depth (ft)	0.02	3.58	
Conv. Total (cfs)	6954.8	Conv. (cfs)	0.0	6954.8	
Length Wtd. (ft)	99.67	Wetted Per. (ft)	0.06	43.68	
Min Ch El (ft)	99.58	Shear (lb/sq ft)		1.59	
Alpha	1.00	Stream Power (lb/ft s)	888.76	0.00	0.00
Frctn Loss (ft)	0.82	Cum Volume (acre-ft)	22.87	12.67	32.92
C & E Loss (ft)	0.00	Cum SA (acres)	2.92	1.80	4.13

Plan: PostObst Tank Farm Creek TankFarmCreek (2 RS: 1800 Profile: PF 1

E.G. Elev (ft)	104.84	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.28	Wt. n-Val.		0.071	
W.S. Elev (ft)	104.57	Reach Len. (ft)	112.21	100.09	84.81
Crit W.S. (ft)		Flow Area (sq ft)		147.13	
E.G. Slope (ft/ft)	0.008932	Area (sq ft)		147.13	
Q Total (cfs)	621.00	Flow (cfs)		621.00	
Top Width (ft)	44.46	Top Width (ft)		44.46	
Vel Total (ft/s)	4.22	Avg. Vel. (ft/s)		4.22	

Plan: PostObst Tank Farm Creek TankFarmCreek (2 RS: 1800 Profile: PF 1 (Continued)

Max Chl Dpth (ft)	5.50	Hydr. Depth (ft)		3.31	
Conv. Total (cfs)	6570.8	Conv. (cfs)		6570.8	
Length Wtd. (ft)	99.58	Wetted Per. (ft)		47.20	
Min Ch El (ft)	99.07	Shear (lb/sq ft)		1.74	
Alpha	1.00	Stream Power (lb/ft s)	870.54	0.00	0.00
Frctn Loss (ft)	0.69	Cum Volume (acre-ft)	22.87	12.33	32.92
C & E Loss (ft)	0.03	Cum SA (acres)	2.92	1.71	4.13

Plan: PostObst Tank Farm Creek TankFarmCreek (2 RS: 1700 Profile: PF 1

E.G. Elev (ft)	104.13	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.19	Wt. n-Val.		0.071	0.041
W.S. Elev (ft)	103.93	Reach Len. (ft)	98.49	100.14	102.38
Crit W.S. (ft)		Flow Area (sq ft)		162.87	15.54
E.G. Slope (ft/ft)	0.005521	Area (sq ft)		162.87	15.54
Q Total (cfs)	621.00	Flow (cfs)		579.32	41.68
Top Width (ft)	60.91	Top Width (ft)		45.42	15.49
Vel Total (ft/s)	3.48	Avg. Vel. (ft/s)		3.56	2.68
Max Chl Dpth (ft)	5.45	Hydr. Depth (ft)		3.59	1.00
Conv. Total (cfs)	8357.4	Conv. (cfs)		7796.4	561.0
Length Wtd. (ft)	100.22	Wetted Per. (ft)		47.08	15.62
Min Ch El (ft)	98.48	Shear (lb/sq ft)		1.19	0.34
Alpha	1.01	Stream Power (lb/ft s)	808.17	0.00	0.00
Frctn Loss (ft)	0.46	Cum Volume (acre-ft)	22.87	11.98	32.90
C & E Loss (ft)	0.02	Cum SA (acres)	2.92	1.60	4.11

Plan: PostObst Tank Farm Creek TankFarmCreek (2 RS: 1600 Profile: PF 1

E.G. Elev (ft)	103.64	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.		0.071	
W.S. Elev (ft)	103.52	Reach Len. (ft)	92.18	101.35	111.39
Crit W.S. (ft)		Flow Area (sq ft)		223.91	
E.G. Slope (ft/ft)	0.003896	Area (sq ft)		223.91	
Q Total (cfs)	621.00	Flow (cfs)		621.00	
Top Width (ft)	69.85	Top Width (ft)		69.85	
Vel Total (ft/s)	2.77	Avg. Vel. (ft/s)		2.77	
Max Chl Dpth (ft)	5.76	Hydr. Depth (ft)		3.21	
Conv. Total (cfs)	9949.7	Conv. (cfs)		9949.7	
Length Wtd. (ft)	101.26	Wetted Per. (ft)		72.37	
Min Ch El (ft)	97.76	Shear (lb/sq ft)		0.75	
Alpha	1.00	Stream Power (lb/ft s)	847.50	0.00	0.00
Frctn Loss (ft)	0.32	Cum Volume (acre-ft)	22.87	11.53	32.88
C & E Loss (ft)	0.01	Cum SA (acres)	2.92	1.47	4.09

Plan: PostObst Tank Farm Creek TankFarmCreek (2 RS: 1499 Profile: PF 1

E.G. Elev (ft)	103.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.	0.041	0.071	
W.S. Elev (ft)	103.21	Reach Len. (ft)	100.38	99.53	100.49
Crit W.S. (ft)		Flow Area (sq ft)	11.17	237.77	
E.G. Slope (ft/ft)	0.002657	Area (sq ft)	11.17	237.77	
Q Total (cfs)	621.00	Flow (cfs)	12.61	608.39	
Top Width (ft)	84.99	Top Width (ft)	23.44	61.55	
Vel Total (ft/s)	2.49	Avg. Vel. (ft/s)	1.13	2.56	
Max Chl Dpth (ft)	6.39	Hydr. Depth (ft)	0.48	3.86	
Conv. Total (cfs)	12047.5	Conv. (cfs)	244.6	11803.0	
Length Wtd. (ft)	99.58	Wetted Per. (ft)	23.81	65.09	
Min Ch El (ft)	96.82	Shear (lb/sq ft)	0.08	0.61	
Alpha	1.03	Stream Power (lb/ft s)	899.13	0.00	0.00
Frctn Loss (ft)	0.24	Cum Volume (acre-ft)	22.86	11.00	32.88
C & E Loss (ft)	0.00	Cum SA (acres)	2.89	1.32	4.09

Plan: PostObst Tank Farm Creek TankFarmCreek (2 RS: 1399 Profile: PF 1

E.G. Elev (ft)	103.07	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.	0.041	0.071	0.041
W.S. Elev (ft)	102.95	Reach Len. (ft)	100.17	100.52	101.00
Crit W.S. (ft)		Flow Area (sq ft)	33.58	198.16	2.10
E.G. Slope (ft/ft)	0.002238	Area (sq ft)	33.58	198.16	2.10
Q Total (cfs)	621.00	Flow (cfs)	59.21	559.31	2.47
Top Width (ft)	71.77	Top Width (ft)	31.52	39.54	0.71
Vel Total (ft/s)	2.66	Avg. Vel. (ft/s)	1.76	2.82	1.18
Max Chl Dpth (ft)	7.06	Hydr. Depth (ft)	1.07	5.01	2.95
Conv. Total (cfs)	13127.4	Conv. (cfs)	1251.7	11823.4	52.3
Length Wtd. (ft)	100.45	Wetted Per. (ft)	32.20	41.16	3.67
Min Ch El (ft)	95.89	Shear (lb/sq ft)	0.15	0.67	0.08
Alpha	1.06	Stream Power (lb/ft s)	919.87	0.00	0.00
Frctn Loss (ft)	0.10	Cum Volume (acre-ft)	22.81	10.50	32.88
C & E Loss (ft)	0.02	Cum SA (acres)	2.83	1.20	4.09

Plan: PostObst Tank Farm Creek TankFarmCreek (2 RS: 1299 Profile: PF 1

E.G. Elev (ft)	102.94	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.041	0.071	0.041
W.S. Elev (ft)	102.91	Reach Len. (ft)	91.61	99.84	106.94
Crit W.S. (ft)		Flow Area (sq ft)	158.61	228.93	20.55
E.G. Slope (ft/ft)	0.000596	Area (sq ft)	158.61	228.93	20.55
Q Total (cfs)	621.00	Flow (cfs)	227.62	362.55	30.82
Top Width (ft)	121.70	Top Width (ft)	75.42	40.73	5.55
Vel Total (ft/s)	1.52	Avg. Vel. (ft/s)	1.44	1.58	1.50

Plan: PostObst Tank Farm Creek TankFarmCreek (2 RS: 1299 Profile: PF 1 (Continued)

Max Chl Dpth (ft)	7.39	Hydr. Depth (ft)	2.10	5.62	3.70
Conv. Total (cfs)	25432.1	Conv. (cfs)	9322.0	14847.8	1262.3
Length Wtd. (ft)	97.04	Wetted Per. (ft)	76.81	41.96	9.31
Min Ch El (ft)	95.52	Shear (lb/sq ft)	0.08	0.20	0.08
Alpha	1.01	Stream Power (lb/ft s)	891.84	0.00	0.00
Frctn Loss (ft)	0.04	Cum Volume (acre-ft)	22.58	10.01	32.85
C & E Loss (ft)	0.00	Cum SA (acres)	2.71	1.11	4.08

Plan: PostObst Tank Farm Creek TankFarmCreek (2 RS: 1199 Profile: PF 1

E.G. Elev (ft)	102.90	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.	0.041	0.071	0.041
W.S. Elev (ft)	102.88	Reach Len. (ft)	91.09	98.94	107.40
Crit W.S. (ft)		Flow Area (sq ft)	228.96	269.93	45.79
E.G. Slope (ft/ft)	0.000255	Area (sq ft)	228.96	269.93	45.79
Q Total (cfs)	621.00	Flow (cfs)	269.96	294.97	56.07
Top Width (ft)	130.77	Top Width (ft)	75.61	44.76	10.40
Vel Total (ft/s)	1.14	Avg. Vel. (ft/s)	1.18	1.09	1.22
Max Chl Dpth (ft)	7.64	Hydr. Depth (ft)	3.03	6.03	4.40
Conv. Total (cfs)	38879.7	Conv. (cfs)	16901.7	18467.7	3510.3
Length Wtd. (ft)	97.02	Wetted Per. (ft)	78.76	45.67	14.89
Min Ch El (ft)	95.24	Shear (lb/sq ft)	0.05	0.09	0.05
Alpha	1.01	Stream Power (lb/ft s)	851.98	0.00	0.00
Frctn Loss (ft)	0.02	Cum Volume (acre-ft)	22.18	9.43	32.77
C & E Loss (ft)	0.00	Cum SA (acres)	2.55	1.01	4.06

Plan: PostObst Tank Farm Creek TankFarmCreek (2 RS: 1100 Profile: PF 1

E.G. Elev (ft)	102.88	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.	0.041	0.071	0.041
W.S. Elev (ft)	102.86	Reach Len. (ft)	100.24	99.86	99.71
Crit W.S. (ft)		Flow Area (sq ft)	195.82	323.73	93.39
E.G. Slope (ft/ft)	0.000172	Area (sq ft)	195.82	323.73	93.39
Q Total (cfs)	621.00	Flow (cfs)	214.17	295.73	111.10
Top Width (ft)	123.09	Top Width (ft)	52.35	52.32	18.42
Vel Total (ft/s)	1.01	Avg. Vel. (ft/s)	1.09	0.91	1.19
Max Chl Dpth (ft)	7.89	Hydr. Depth (ft)	3.74	6.19	5.07
Conv. Total (cfs)	47358.7	Conv. (cfs)	16333.0	22552.6	8473.1
Length Wtd. (ft)	100.01	Wetted Per. (ft)	56.09	53.31	23.58
Min Ch El (ft)	94.97	Shear (lb/sq ft)	0.04	0.07	0.04
Alpha	1.04	Stream Power (lb/ft s)	788.49	0.00	0.00
Frctn Loss (ft)	0.01	Cum Volume (acre-ft)	21.73	8.76	32.60
C & E Loss (ft)	0.00	Cum SA (acres)	2.41	0.90	4.03

Plan: PostObst Tank Farm Creek TankFarmCreek (2 RS: 1000 Profile: PF 1

E.G. Elev (ft)	102.86	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.	0.041	0.071	0.041
W.S. Elev (ft)	102.85	Reach Len. (ft)	99.16	99.52	99.72
Crit W.S. (ft)		Flow Area (sq ft)	348.64	216.84	73.71
E.G. Slope (ft/ft)	0.000129	Area (sq ft)	348.64	216.84	73.71
Q Total (cfs)	621.00	Flow (cfs)	360.85	184.66	75.50
Top Width (ft)	127.72	Top Width (ft)	83.50	31.03	13.19
Vel Total (ft/s)	0.97	Avg. Vel. (ft/s)	1.03	0.85	1.02
Max Chl Dpth (ft)	8.49	Hydr. Depth (ft)	4.18	6.99	5.59
Conv. Total (cfs)	54583.5	Conv. (cfs)	31716.9	16230.5	6636.1
Length Wtd. (ft)	99.44	Wetted Per. (ft)	87.67	32.06	18.83
Min Ch El (ft)	94.36	Shear (lb/sq ft)	0.03	0.05	0.03
Alpha	1.02	Stream Power (lb/ft s)	747.96	0.00	0.00
Frctn Loss (ft)	0.02	Cum Volume (acre-ft)	21.11	8.14	32.41
C & E Loss (ft)	0.00	Cum SA (acres)	2.26	0.81	3.99

Plan: PostObst Tank Farm Creek TankFarmCreek (2 RS: 901 Profile: PF 1

E.G. Elev (ft)	102.85	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.041	0.071	0.041
W.S. Elev (ft)	102.82	Reach Len. (ft)	100.03	100.24	100.87
Crit W.S. (ft)		Flow Area (sq ft)	94.20	214.88	194.96
E.G. Slope (ft/ft)	0.000182	Area (sq ft)	94.20	214.88	194.96
Q Total (cfs)	621.00	Flow (cfs)	115.67	224.19	281.13
Top Width (ft)	80.57	Top Width (ft)	19.02	29.13	32.42
Vel Total (ft/s)	1.23	Avg. Vel. (ft/s)	1.23	1.04	1.44
Max Chl Dpth (ft)	9.07	Hydr. Depth (ft)	4.95	7.38	6.01
Conv. Total (cfs)	46033.3	Conv. (cfs)	8574.6	16619.0	20839.6
Length Wtd. (ft)	100.53	Wetted Per. (ft)	23.67	30.25	38.49
Min Ch El (ft)	93.75	Shear (lb/sq ft)	0.05	0.08	0.06
Alpha	1.06	Stream Power (lb/ft s)	639.02	0.00	0.00
Frctn Loss (ft)	0.02	Cum Volume (acre-ft)	20.60	7.65	32.10
C & E Loss (ft)	0.00	Cum SA (acres)	2.14	0.74	3.94

Plan: PostObst Tank Farm Creek TankFarmCreek (2 RS: 800 Profile: PF 1

E.G. Elev (ft)	102.83	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.041	0.071	0.041
W.S. Elev (ft)	102.81	Reach Len. (ft)	147.04	119.01	85.12
Crit W.S. (ft)		Flow Area (sq ft)	108.20	214.00	313.51
E.G. Slope (ft/ft)	0.000157	Area (sq ft)	108.20	214.00	313.51
Q Total (cfs)	793.00	Flow (cfs)	126.33	213.68	452.99
Top Width (ft)	97.87	Top Width (ft)	21.30	27.52	49.05
Vel Total (ft/s)	1.25	Avg. Vel. (ft/s)	1.17	1.00	1.44

Plan: PostObst Tank Farm Creek TankFarmCreek (2 RS: 800 Profile: PF 1 (Continued)

Max Chl Dpth (ft)	9.60	Hydr. Depth (ft)	5.08	7.78	6.39
Conv. Total (cfs)	63266.3	Conv. (cfs)	10078.9	17047.5	36140.0
Length Wtd. (ft)	106.82	Wetted Per. (ft)	26.26	28.82	55.27
Min Ch El (ft)	93.20	Shear (lb/sq ft)	0.04	0.07	0.06
Alpha	1.08	Stream Power (lb/ft s)	589.18	0.00	0.00
Frctn Loss (ft)	0.01	Cum Volume (acre-ft)	20.37	7.15	31.51
C & E Loss (ft)	0.00	Cum SA (acres)	2.09	0.67	3.85

Plan: PostObst Tank Farm Creek TankFarmCreek (2 RS: 681 Profile: PF 1

E.G. Elev (ft)	102.82	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.	0.041	0.071	0.041
W.S. Elev (ft)	102.80	Reach Len. (ft)	21.00	21.00	21.00
Crit W.S. (ft)	96.30	Flow Area (sq ft)	140.83	417.07	316.68
E.G. Slope (ft/ft)	0.000086	Area (sq ft)	140.83	417.07	316.68
Q Total (cfs)	793.00	Flow (cfs)	129.83	333.69	329.48
Top Width (ft)	126.13	Top Width (ft)	26.32	48.77	51.04
Vel Total (ft/s)	0.91	Avg. Vel. (ft/s)	0.92	0.80	1.04
Max Chl Dpth (ft)	10.31	Hydr. Depth (ft)	5.35	8.55	6.20
Conv. Total (cfs)	85636.1	Conv. (cfs)	14020.5	36035.1	35580.4
Length Wtd. (ft)	21.00	Wetted Per. (ft)	30.93	49.72	58.02
Min Ch El (ft)	92.49	Shear (lb/sq ft)	0.02	0.04	0.03
Alpha	1.04	Stream Power (lb/ft s)	498.73	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	19.95	6.29	30.90
C & E Loss (ft)	0.00	Cum SA (acres)	2.01	0.57	3.75

Plan: PostObst Tank Farm Creek TankFarmCreek (2 RS: 660 BR U Profile: PF 1

E.G. Elev (ft)	102.81	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.041	0.071	0.041
W.S. Elev (ft)	102.78	Reach Len. (ft)	40.00	40.00	40.00
Crit W.S. (ft)	98.54	Flow Area (sq ft)	123.08	299.28	243.83
E.G. Slope (ft/ft)	0.000272	Area (sq ft)	123.08	299.28	243.83
Q Total (cfs)	793.00	Flow (cfs)	185.35	218.06	389.59
Top Width (ft)	126.13	Top Width (ft)	26.32	48.77	51.04
Vel Total (ft/s)	1.19	Avg. Vel. (ft/s)	1.51	0.73	1.60
Max Chl Dpth (ft)	10.29	Hydr. Depth (ft)	4.68	6.14	4.78
Conv. Total (cfs)	48066.6	Conv. (cfs)	11235.0	13217.3	23614.3
Length Wtd. (ft)	40.00	Wetted Per. (ft)	30.79	97.63	55.82
Min Ch El (ft)	92.49	Shear (lb/sq ft)	0.07	0.05	0.07
Alpha	1.36	Stream Power (lb/ft s)	498.73	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	19.89	6.12	30.76
C & E Loss (ft)	0.01	Cum SA (acres)	2.00	0.54	3.72

Plan: PostObst Tank Farm Creek TankFarmCreek (2 RS: 660 BR D Profile: PF 1

E.G. Elev (ft)	102.79	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.041	0.071	0.041
W.S. Elev (ft)	102.79	Reach Len. (ft)	29.41	29.41	29.41
Crit W.S. (ft)	95.35	Flow Area (sq ft)	1662.49	390.26	1579.33
E.G. Slope (ft/ft)	0.000005	Area (sq ft)	1662.49	390.26	1579.33
Q Total (cfs)	793.00	Flow (cfs)	394.17	41.09	357.74
Top Width (ft)	716.45	Top Width (ft)	324.14	62.68	329.63
Vel Total (ft/s)	0.22	Avg. Vel. (ft/s)	0.24	0.11	0.23
Max Chl Dpth (ft)	11.65	Hydr. Depth (ft)	5.13	6.23	4.79
Conv. Total (cfs)	357144.4	Conv. (cfs)	177522.6	18507.2	161114.5
Length Wtd. (ft)	29.41	Wetted Per. (ft)	328.73	114.41	334.42
Min Ch El (ft)	91.14	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.08	Stream Power (lb/ft s)	716.45	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	19.07	5.80	29.92
C & E Loss (ft)	0.00	Cum SA (acres)	1.84	0.49	3.55

Plan: PostObst Tank Farm Creek TankFarmCreek (2 RS: 591 Profile: PF 1

E.G. Elev (ft)	102.79	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.041	0.071	0.041
W.S. Elev (ft)	102.79	Reach Len. (ft)	80.47	90.54	97.98
Crit W.S. (ft)		Flow Area (sq ft)	1810.86	549.14	2339.17
E.G. Slope (ft/ft)	0.000002	Area (sq ft)	1810.86	549.14	2339.17
Q Total (cfs)	793.00	Flow (cfs)	288.53	67.62	436.85
Top Width (ft)	716.45	Top Width (ft)	324.14	62.68	329.63
Vel Total (ft/s)	0.17	Avg. Vel. (ft/s)	0.16	0.12	0.19
Max Chl Dpth (ft)	11.65	Hydr. Depth (ft)	5.59	8.76	7.10
Conv. Total (cfs)	562583.1	Conv. (cfs)	204693.4	47970.9	309918.8
Length Wtd. (ft)	92.11	Wetted Per. (ft)	328.76	64.39	334.66
Min Ch El (ft)	91.14	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.04	Stream Power (lb/ft s)	716.45	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	17.89	5.49	28.60
C & E Loss (ft)	0.00	Cum SA (acres)	1.62	0.45	3.33

Plan: PostObst Tank Farm Creek TankFarmCreek (2 RS: 500 Profile: PF 1

E.G. Elev (ft)	102.79	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.041	0.071	0.041
W.S. Elev (ft)	102.79	Reach Len. (ft)	99.37	102.60	106.23
Crit W.S. (ft)		Flow Area (sq ft)	993.44	403.59	2517.73
E.G. Slope (ft/ft)	0.000002	Area (sq ft)	993.44	403.59	2517.73
Q Total (cfs)	793.00	Flow (cfs)	190.15	57.54	545.32
Top Width (ft)	518.49	Top Width (ft)	150.00	42.65	325.84
Vel Total (ft/s)	0.20	Avg. Vel. (ft/s)	0.19	0.14	0.22
Max Chl Dpth (ft)	11.29	Hydr. Depth (ft)	6.62	9.46	7.73
Conv. Total (cfs)	514647.0	Conv. (cfs)	123403.4	37341.0	353902.7

Plan: PostObst Tank Farm Creek TankFarmCreek (2 RS: 500 Profile: PF 1 (Continued)

Length Wtd. (ft)	103.99	Wetted Per. (ft)	156.56	43.42	329.62
Min Ch El (ft)	91.50	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.04	Stream Power (lb/ft s)	518.49	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	15.30	4.50	23.14
C & E Loss (ft)	0.00	Cum SA (acres)	1.18	0.34	2.59

Plan: PostObst Tank Farm Creek TankFarmCreek (2 RS: 398 Profile: PF 1

E.G. Elev (ft)	102.79	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.041	0.071	0.041
W.S. Elev (ft)	102.79	Reach Len. (ft)	92.13	104.81	116.86
Crit W.S. (ft)		Flow Area (sq ft)	1606.74	264.52	2400.69
E.G. Slope (ft/ft)	0.000002	Area (sq ft)	1606.74	264.52	2400.69
Q Total (cfs)	793.00	Flow (cfs)	279.14	34.60	479.26
Top Width (ft)	553.33	Top Width (ft)	237.07	26.47	289.79
Vel Total (ft/s)	0.19	Avg. Vel. (ft/s)	0.17	0.13	0.20
Max Chl Dpth (ft)	10.91	Hydr. Depth (ft)	6.78	9.99	8.28
Conv. Total (cfs)	581659.0	Conv. (cfs)	204747.1	25381.1	351530.8
Length Wtd. (ft)	108.38	Wetted Per. (ft)	243.70	26.95	295.61
Min Ch El (ft)	91.88	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.03	Stream Power (lb/ft s)	553.33	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	12.34	3.71	17.14
C & E Loss (ft)	0.00	Cum SA (acres)	0.74	0.26	1.84

Plan: PostObst Tank Farm Creek TankFarmCreek (2 RS: 293 Profile: PF 1

E.G. Elev (ft)	102.79	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.041	0.071	0.041
W.S. Elev (ft)	102.79	Reach Len. (ft)	18.00	18.00	18.00
Crit W.S. (ft)	94.39	Flow Area (sq ft)	959.18	390.39	2012.66
E.G. Slope (ft/ft)	0.000003	Area (sq ft)	959.18	390.39	2012.66
Q Total (cfs)	793.00	Flow (cfs)	217.26	62.53	513.21
Top Width (ft)	409.27	Top Width (ft)	131.95	40.69	236.63
Vel Total (ft/s)	0.24	Avg. Vel. (ft/s)	0.23	0.16	0.25
Max Chl Dpth (ft)	11.23	Hydr. Depth (ft)	7.27	9.59	8.51
Conv. Total (cfs)	460815.8	Conv. (cfs)	126248.9	36335.7	298231.2
Length Wtd. (ft)	18.00	Wetted Per. (ft)	138.59	41.63	243.45
Min Ch El (ft)	91.56	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.05	Stream Power (lb/ft s)	409.27	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	9.62	2.92	11.22
C & E Loss (ft)	0.00	Cum SA (acres)	0.35	0.18	1.13

Plan: PostObst Tank Farm Creek TankFarmCreek (2 RS: 275 BR U Profile: PF 1

E.G. Elev (ft)	102.79	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.041	0.071	0.041
W.S. Elev (ft)	102.79	Reach Len. (ft)	16.00	16.00	16.00
Crit W.S. (ft)	94.42	Flow Area (sq ft)	959.15	319.65	2009.71
E.G. Slope (ft/ft)	0.000003	Area (sq ft)	959.15	319.65	2009.71
Q Total (cfs)	793.00	Flow (cfs)	228.60	26.55	537.85
Top Width (ft)	409.27	Top Width (ft)	131.95	40.69	236.63
Vel Total (ft/s)	0.24	Avg. Vel. (ft/s)	0.24	0.08	0.27
Max Chl Dpth (ft)	11.23	Hydr. Depth (ft)	7.27	7.86	8.49
Conv. Total (cfs)	437927.1	Conv. (cfs)	126243.7	14662.5	297020.9
Length Wtd. (ft)	16.00	Wetted Per. (ft)	138.59	98.51	244.04
Min Ch El (ft)	91.56	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.12	Stream Power (lb/ft s)	409.27	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	9.23	2.77	10.39
C & E Loss (ft)	0.00	Cum SA (acres)	0.30	0.16	1.03

Plan: PostObst Tank Farm Creek TankFarmCreek (2 RS: 275 BR D Profile: PF 1

E.G. Elev (ft)	102.79	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.041	0.071	0.041
W.S. Elev (ft)	102.79	Reach Len. (ft)	57.88	57.88	57.88
Crit W.S. (ft)	94.55	Flow Area (sq ft)	649.09	394.44	1982.21
E.G. Slope (ft/ft)	0.000004	Area (sq ft)	649.09	394.44	1982.21
Q Total (cfs)	793.00	Flow (cfs)	170.89	46.15	575.95
Top Width (ft)	393.88	Top Width (ft)	90.39	48.87	254.62
Vel Total (ft/s)	0.26	Avg. Vel. (ft/s)	0.26	0.12	0.29
Max Chl Dpth (ft)	12.35	Hydr. Depth (ft)	7.18	8.07	7.79
Conv. Total (cfs)	387563.0	Conv. (cfs)	83520.0	22556.7	281486.3
Length Wtd. (ft)	57.88	Wetted Per. (ft)	97.03	87.33	255.57
Min Ch El (ft)	90.44	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.12	Stream Power (lb/ft s)	395.35	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	8.93	2.64	9.66
C & E Loss (ft)	0.00	Cum SA (acres)	0.26	0.15	0.94

Plan: PostObst Tank Farm Creek TankFarmCreek (2 RS: 201 Profile: PF 1

E.G. Elev (ft)	102.79	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.041	0.071	0.041
W.S. Elev (ft)	102.79	Reach Len. (ft)	99.96	101.61	103.71
Crit W.S. (ft)		Flow Area (sq ft)	649.07	464.22	1982.36
E.G. Slope (ft/ft)	0.000004	Area (sq ft)	649.07	464.22	1982.36
Q Total (cfs)	793.00	Flow (cfs)	162.30	83.30	547.40
Top Width (ft)	393.88	Top Width (ft)	90.39	48.87	254.62
Vel Total (ft/s)	0.26	Avg. Vel. (ft/s)	0.25	0.18	0.28
Max Chl Dpth (ft)	12.35	Hydr. Depth (ft)	7.18	9.50	7.79
Conv. Total (cfs)	408073.0	Conv. (cfs)	83517.4	42866.3	281689.3

Plan: PostObst Tank Farm Creek TankFarmCreek (2 RS: 201 Profile: PF 1 (Continued)

Length Wtd. (ft)	103.03	Wetted Per. (ft)	97.03	50.09	255.34
Min Ch El (ft)	90.44	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.05	Stream Power (lb/ft s)	395.35	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	8.07	2.07	7.02
C & E Loss (ft)	0.00	Cum SA (acres)	0.14	0.08	0.61

Plan: PostObst Tank Farm Creek TankFarmCreek (2 RS: 99 Profile: PF 1

E.G. Elev (ft)	102.79	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.041	0.071	0.041
W.S. Elev (ft)	102.79	Reach Len. (ft)	99.00	99.00	99.00
Crit W.S. (ft)		Flow Area (sq ft)	197.70	193.55	1976.14
E.G. Slope (ft/ft)	0.000006	Area (sq ft)	197.70	193.55	1976.14
Q Total (cfs)	793.00	Flow (cfs)	56.69	41.42	694.89
Top Width (ft)	302.76	Top Width (ft)	28.32	19.83	254.61
Vel Total (ft/s)	0.33	Avg. Vel. (ft/s)	0.29	0.21	0.35
Max Chl Dpth (ft)	12.59	Hydr. Depth (ft)	6.98	9.76	7.76
Conv. Total (cfs)	319519.1	Conv. (cfs)	22843.7	16688.4	279987.0
Length Wtd. (ft)	99.00	Wetted Per. (ft)	34.73	23.14	255.65
Min Ch El (ft)	90.20	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.04	Stream Power (lb/ft s)	304.20	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	7.10	1.31	2.31
C & E Loss (ft)	0.00	Cum SA (acres)			



Appendix F

Avocet Environmental Technical Memorandum



December 1, 2015

Project No. 1428.002

TO: John Rogers
Civil Senior Associate Engineer
CANNON
1050 Southwood Drive
San Luis Obispo, CA 93401

FROM: Greg Stone, P.E.

Technical Memorandum
Additional Hydrology Support
Avila Ranch Development
San Luis Obispo, California

Avocet Environmental, Inc. (Avocet) was directed to perform an additional hydrologic evaluation in support of development activities at the Avila Ranch site (Figure 1). The evaluation analyzes the variation of storm water discharge from the Chevron San Luis Obispo Tank Farm (SLOTF) property immediately upstream of the project site. The analysis assumes that restoration and infrastructure improvements on the SLOTF property are complete on the southwestern portion of the property, south of Tank Farm Road (Figure 2).

METHODOLOGY

For this evaluation, a hydrologic model was constructed using *Bentley Sewer Gems V8i* by modifying the models constructed for, and described in detail in, the San Luis Obispo Tank Farm Hydrology Report. The model was isolated to an area of Tank Farm Creek south of Tank Farm Road using the geometry of the post-restoration conditions. Inflows to the model were based upon the results of the existing conditions hydrologic model for the SLOTF property.

RESULTS

Hydrographs were generated for each of the design storms (2-, 10-, 25-, 50-, and 100-year return periods) for both the existing and post-restoration scenarios. A comparison of the peak flows is presented in the table below. Hydrographs are provided in Attachment 1.



Technical Memorandum Additional Hydrology Support

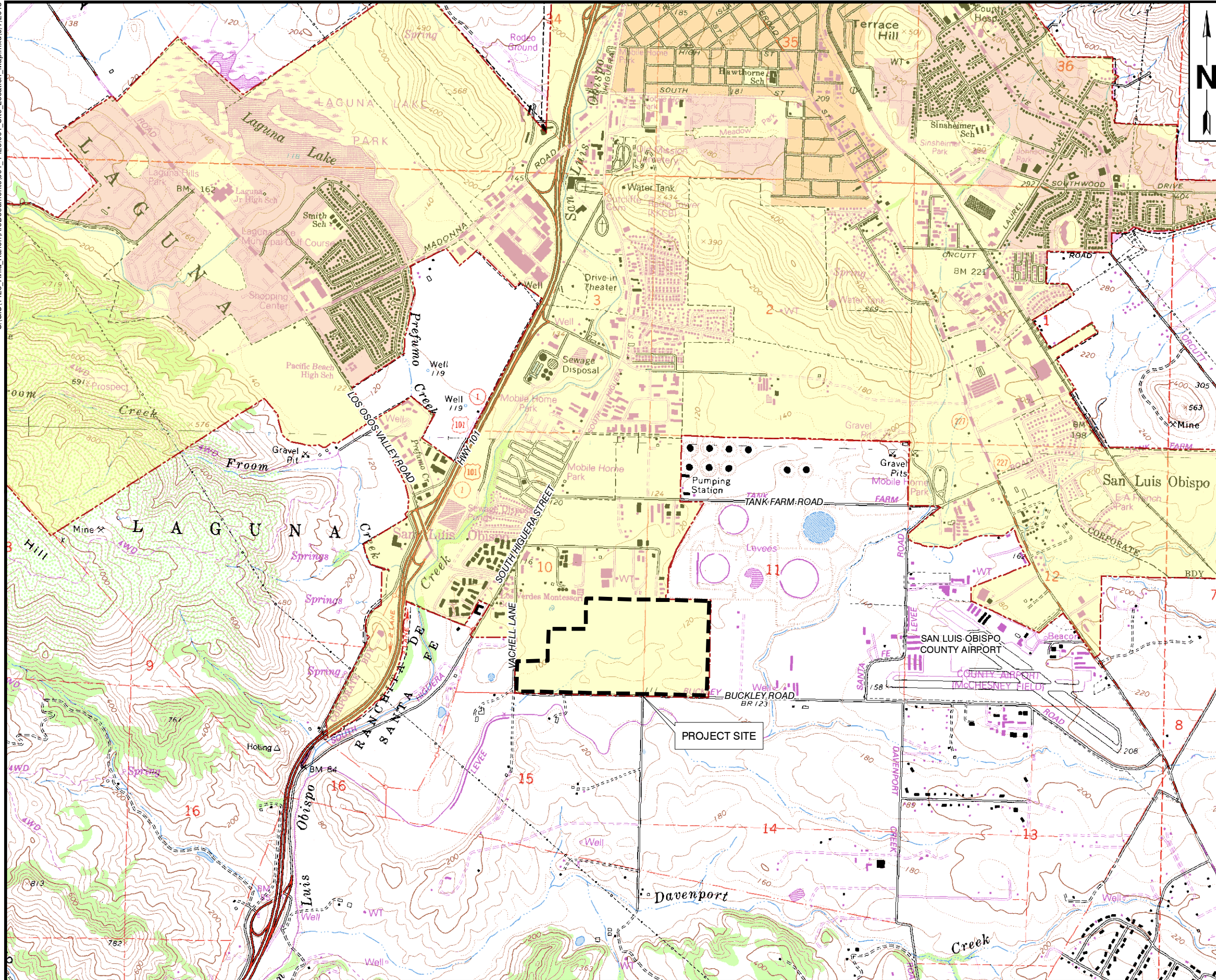
Scenario	Peak Flow (cfs)				
	2-Year	10-Year	25-Year	50-Year	100-Year
Existing Conditions Combined	60	81	229	377	469
Existing Conditions Discharge	60	81	84	85	86
Existing Conditions Overflow	0	0	145	292	383
Post Restoration Conditions Combined	45	76	163	252	392
Post Restoration Conditions Discharge	45	76	84	86	87
Post Restoration Conditions Overflow	0	0	79	166	305

Peak discharges from the site are similar in both the existing and post-restoration conditions, particularly for the higher return period storms as the site discharge reaches capacity and overtopping of the storm water detention pond begins. While both models experience overflow of the detention pond in excess of the assumed discharge rate, the peak overflows in the post-restoration model are significantly reduced from those in the existing conditions model.

CONCLUSION

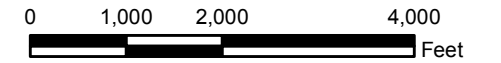
In order to further reduce the peak storm water discharge from the SLOTF site, additional work will need to be considered. Two potential options include the creation of additional storage (i.e., complete the northern SLOTF restoration work) or modification of the site discharge to increase discharge flow and potentially eliminate any overflow of the detention pond.

Figures



EXPLANATION

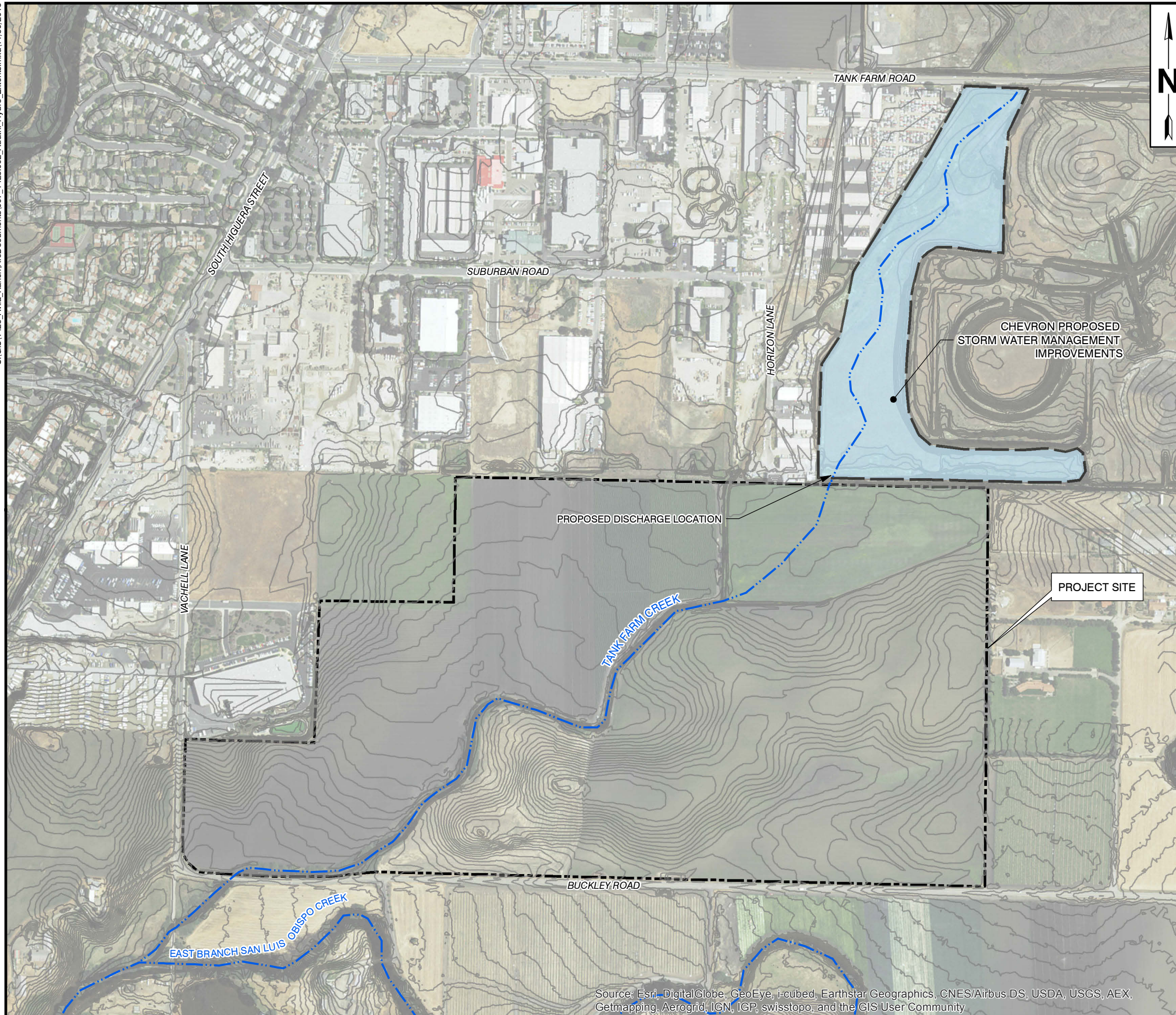
 CITY OF SAN LUIS OBISPO



APPROXIMATE SCALE

FIGURE 1
SITE LOCATION MAP
 AVILA RANCH
 HYDROLOGY STUDY
 PREPARED FOR
 CANNON
 SAN LUIS OBISPO, CALIFORNIA





LEGEND

- CREEKS
- PROPOSED STORM WATER MANAGEMENT IMPROVEMENTS
- AVILA RANCH PROJECT BOUNDARY
- TOPOGRAPHIC CONTOURS

NOTE: THIS ANALYSIS ONLY CONSIDERS STORMWATER MANAGEMENT IMPROVEMENTS SOUTH OF TANK FARM ROAD ONLY. ADDITIONAL IMPROVEMENTS PROPOSED NORTH OF TANK FARM ROAD ARE BEYOND THE SCOPE OF THE CURRENT ANALYSIS.

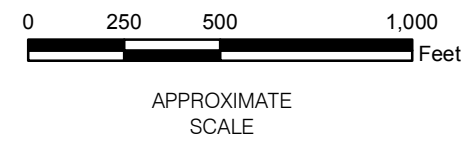


FIGURE 2
**EXTENT OF ADDITIONAL
HYDROLOGY INVESTIGATION**

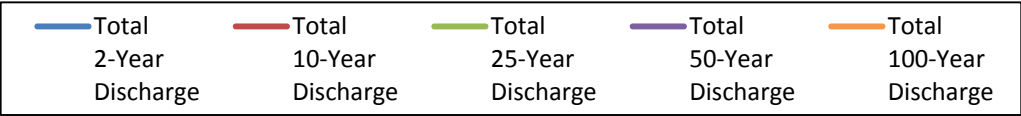
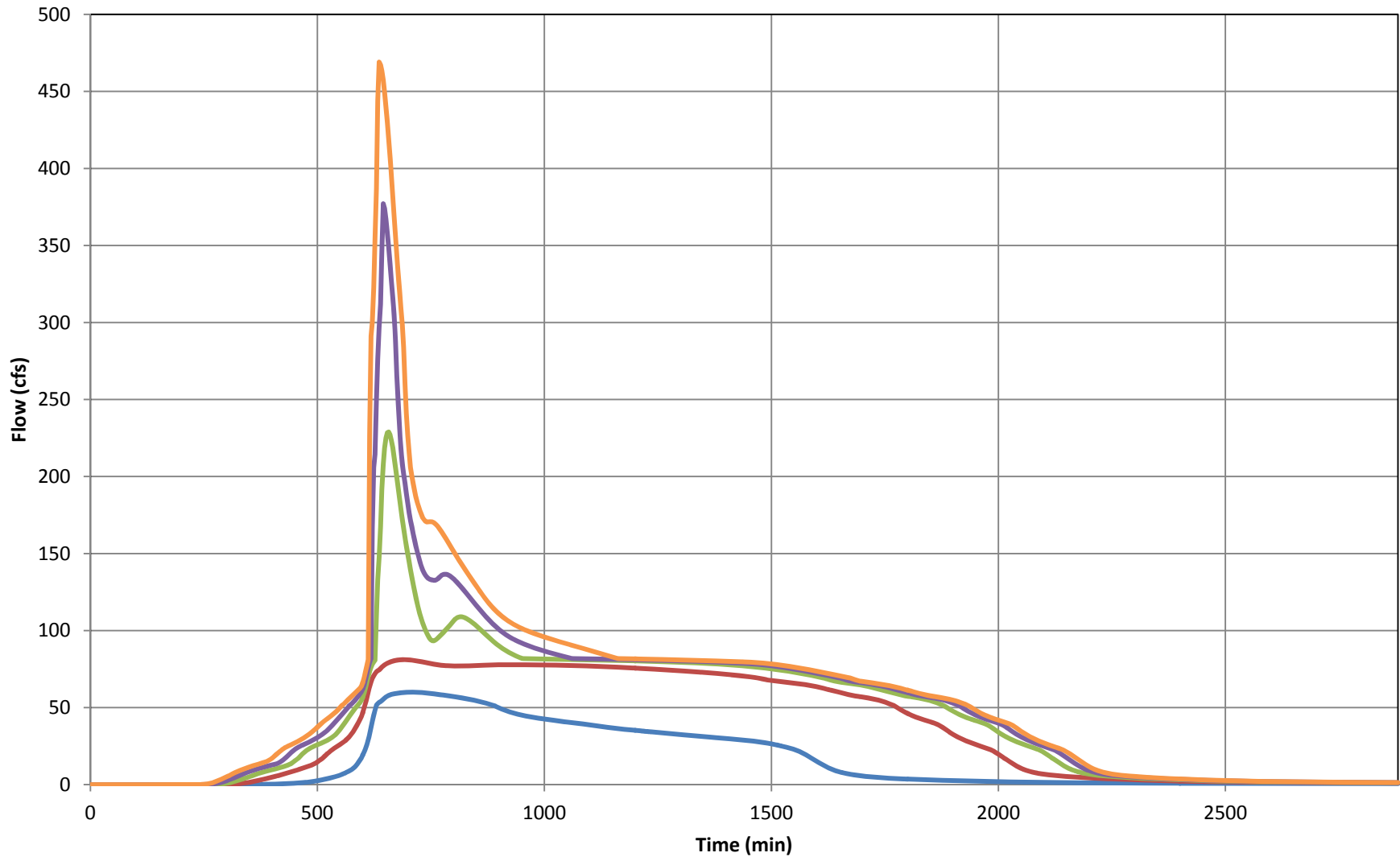
AVILA RANCH
ADDITIONAL HYDROLOGY SUPPORT
PREPARED FOR
CANNON
SAN LUIS OBISPO, CALIFORNIA



Attachment 1

Discharge Hydrographs

Existing Conditions Hydrographs



Post-Restoration Hydrographs

