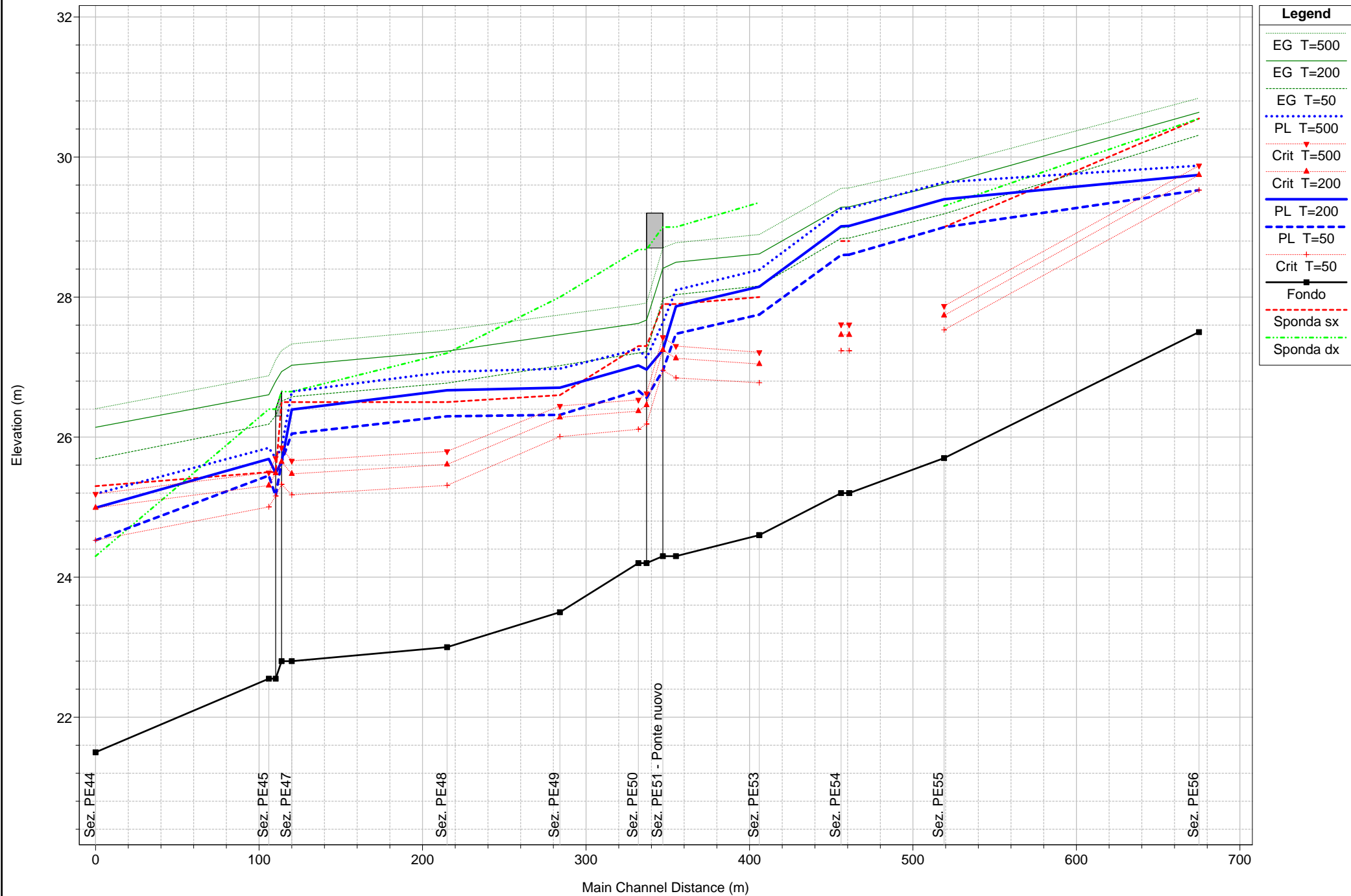


T. Petronio - Loc. Casarza (confluenze)

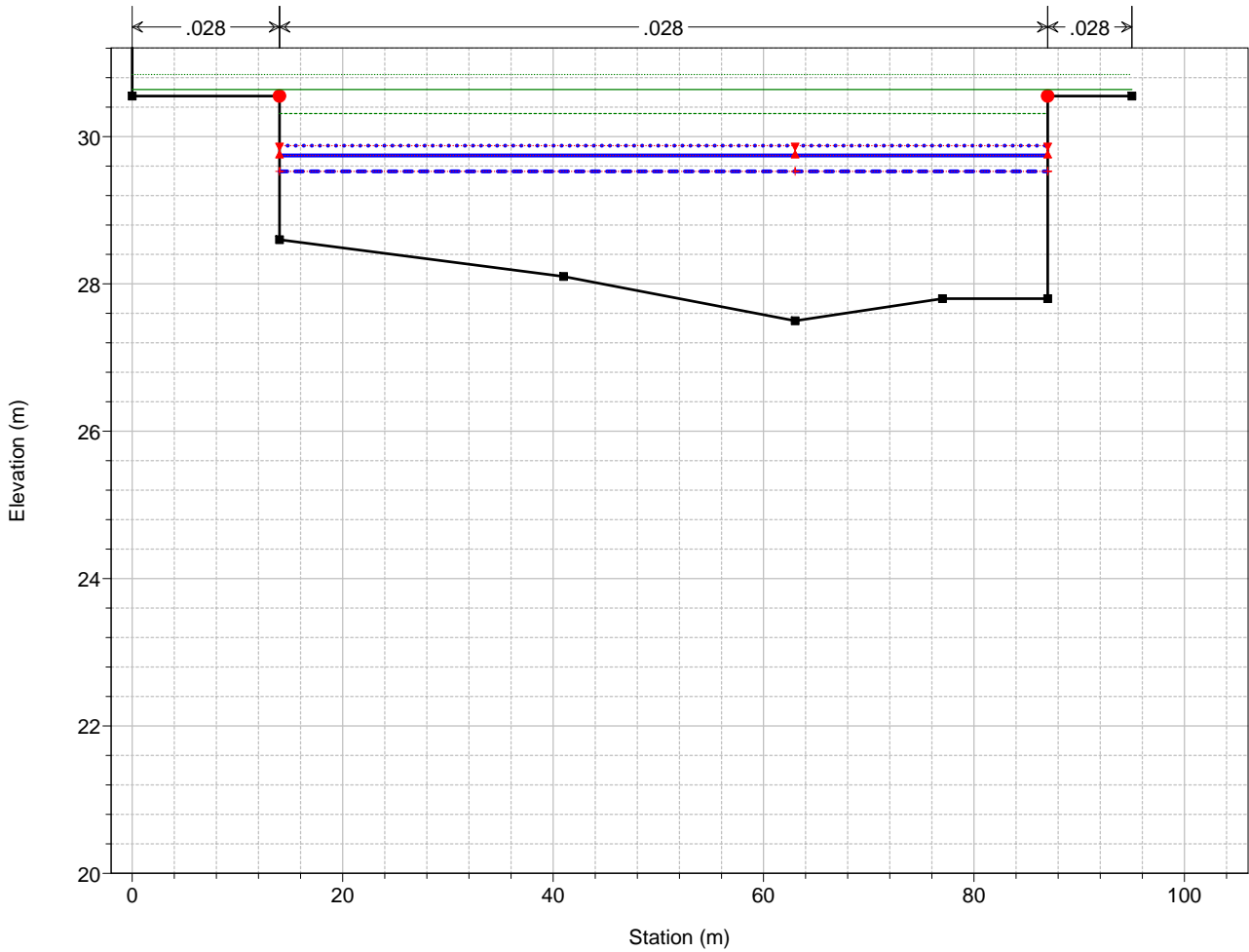


Legend	
EG T=500	(Dotted green line)
EG T=200	(Dotted blue line)
EG T=50	(Dotted red line)
PL T=500	(Solid blue line)
Crit T=500	(Dotted red line with downward triangle)
Crit T=200	(Dotted blue line with upward triangle)
PL T=200	(Solid blue line)
PL T=50	(Dashed blue line)
Crit T=50	(Dotted red line with cross)
Fondo	(Solid black line with square)
Sponda sx	(Dashed red line with downward triangle)
Sponda dx	(Dashed green line with upward triangle)

1 cm Horiz. = 30 m 1 cm Vert. = 0.7 m

T. Petronio - Loc. Casarza (confluenze)

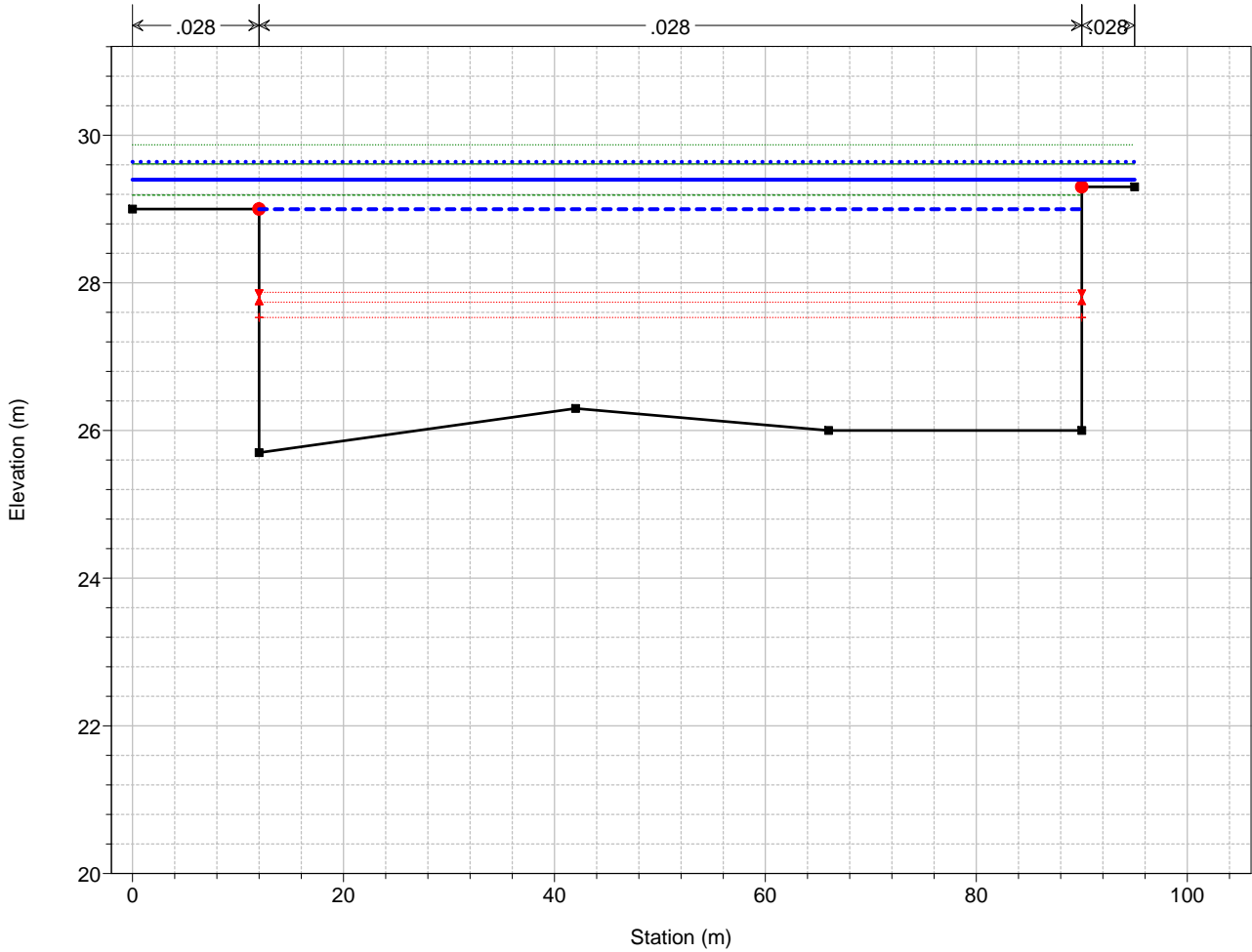
Sez. PE56



Legend	
EG T=500	Green dotted line
EG T=200	Green dashed line
EG T=50	Green solid line
PL T=500	Blue dotted line
Crit T=500	Red downward triangle
Crit T=200	Red upward triangle
PL T=200	Blue solid line
PL T=50	Blue dashed line
Crit T=50	Red plus sign
Fondo	Black solid line with square markers
Sponda	Red solid line with circle markers

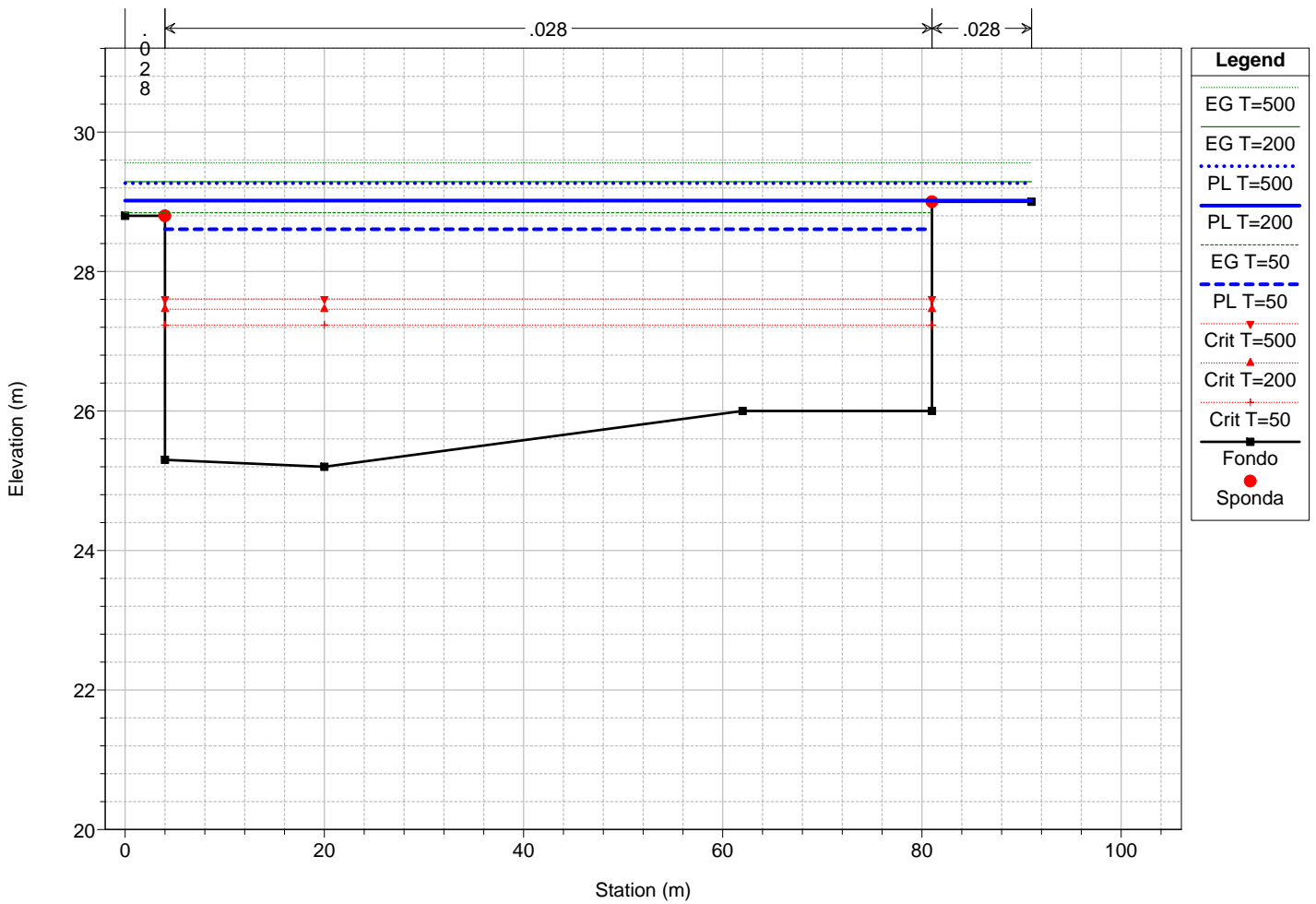
T. Petronio - Loc. Casarza (confluenze)

Sez. PE55

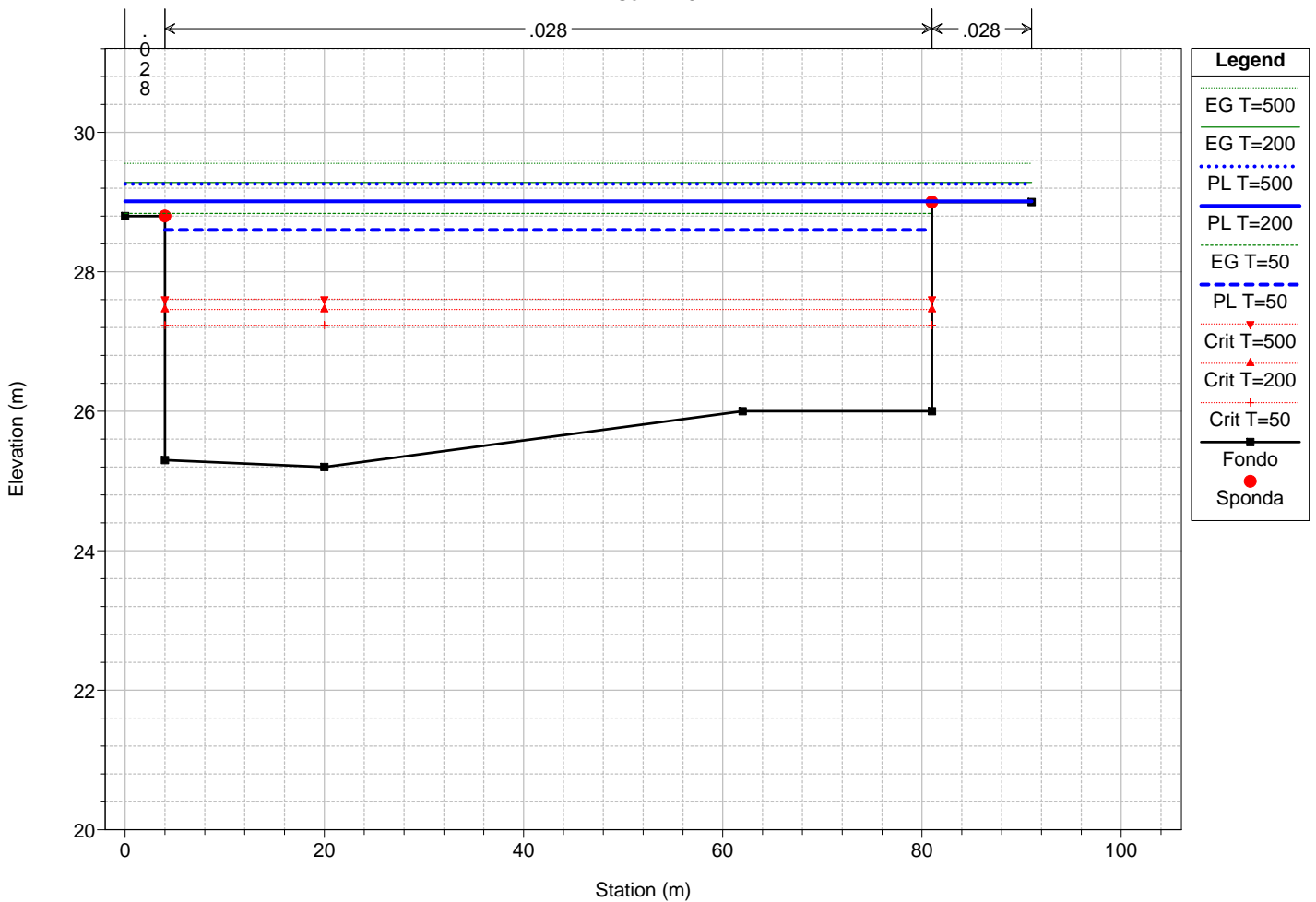


Legend	
EG T=500	Green dotted line
PL T=500	Blue dotted line
EG T=200	Green dashed line
PL T=200	Blue solid line
EG T=50	Green solid line
PL T=50	Blue dashed line
Crit T=500	Red downward triangle
Crit T=200	Red upward triangle
Crit T=50	Red plus sign
Fondo	Black solid line with square markers
Sponda	Red solid line with circle markers

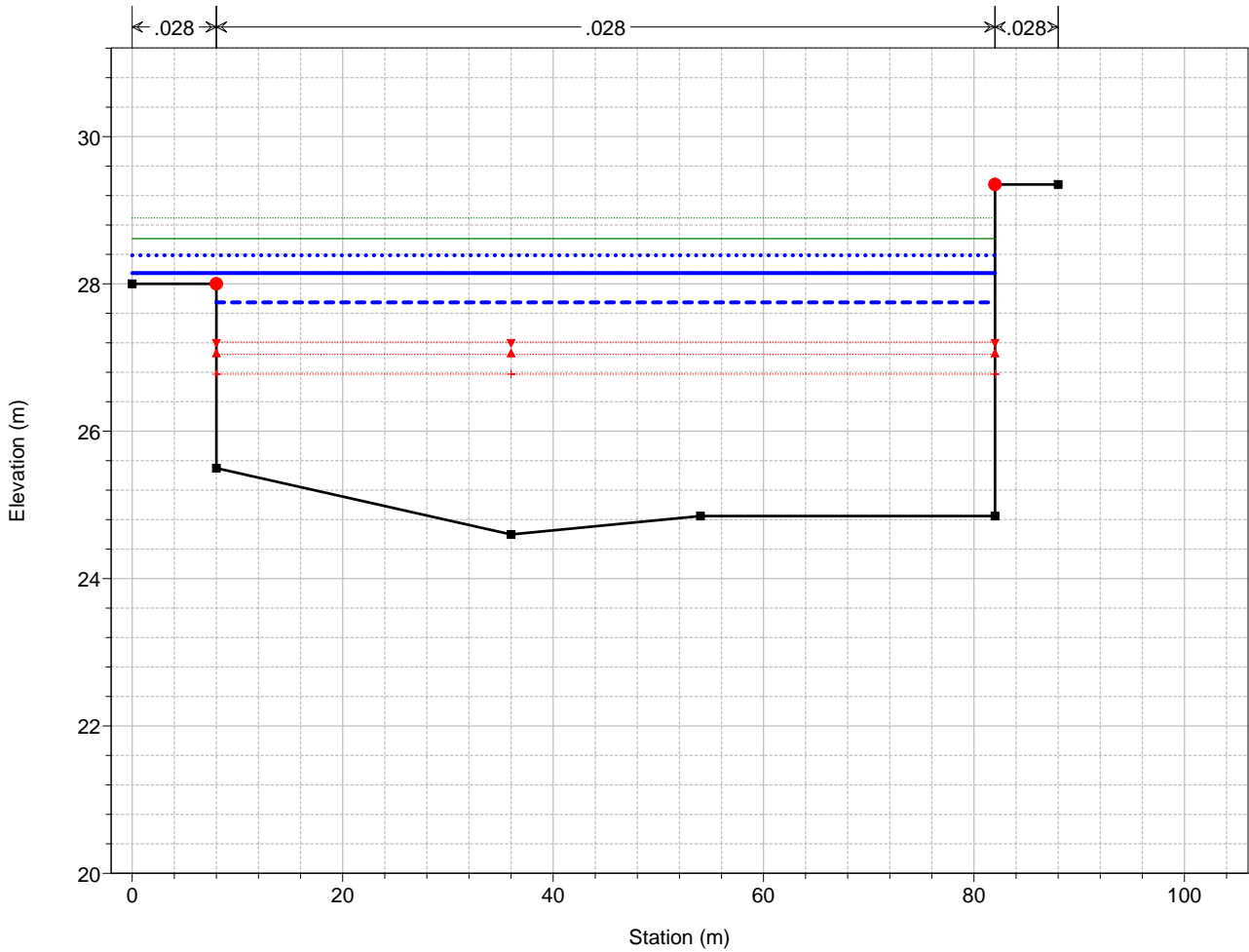
### T. Petronio - Loc. Casarza (confluenze)



### T. Petronio - Loc. Casarza (confluenze) Sez. PE54

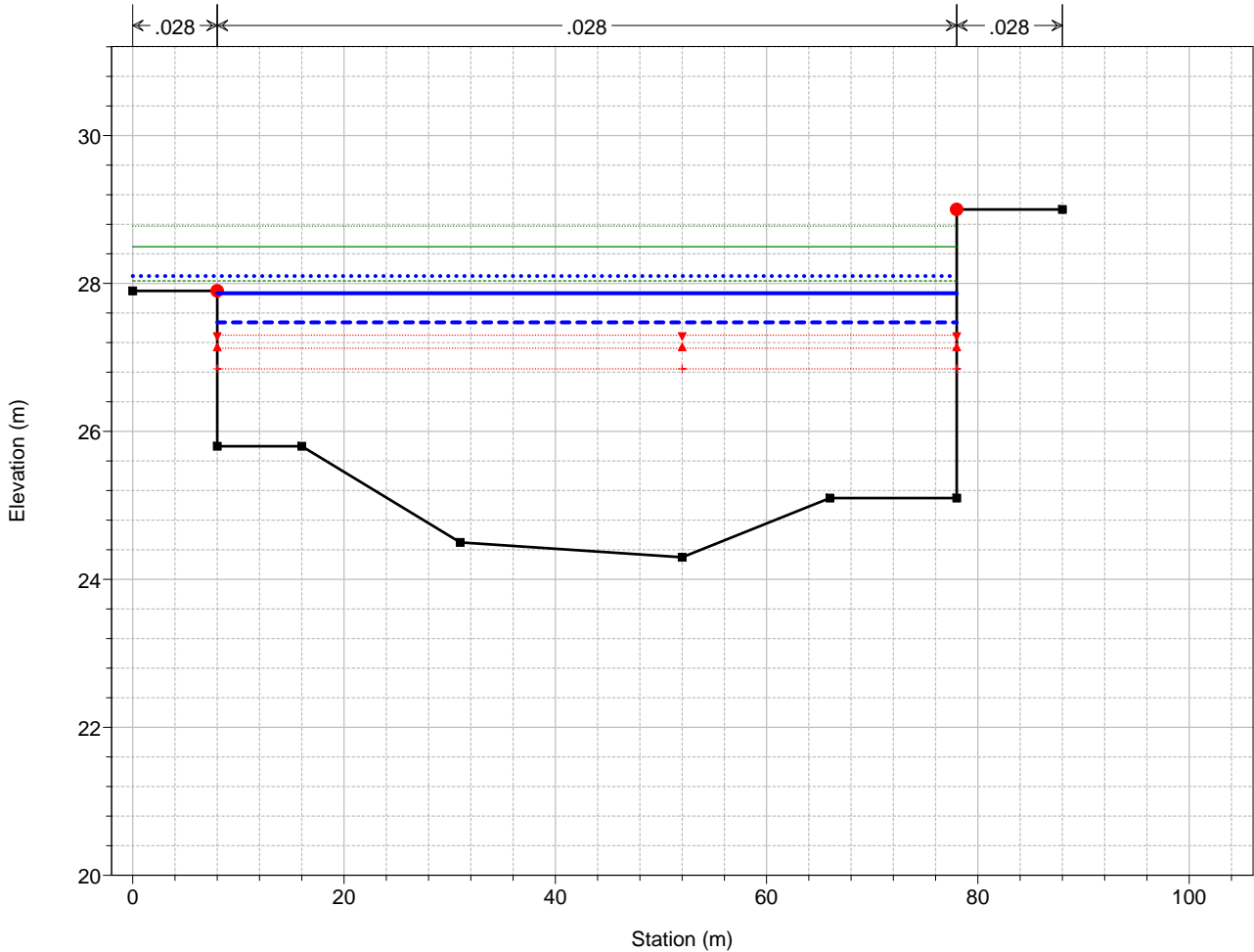


T. Petronio - Loc. Casarza (confluenze)  
Sez. PE53



Legend	
EG T=500	(Dotted green line)
EG T=200	(Dotted blue line)
PL T=500	(Dotted blue line)
EG T=50	(Dotted green line)
PL T=200	(Solid blue line)
PL T=50	(Dashed blue line)
Crit T=500	(Inverted red triangle)
Crit T=200	(Upright red triangle)
Crit T=50	(Red triangle)
Fondo	(Solid black line)
Sponda	(Red circle)

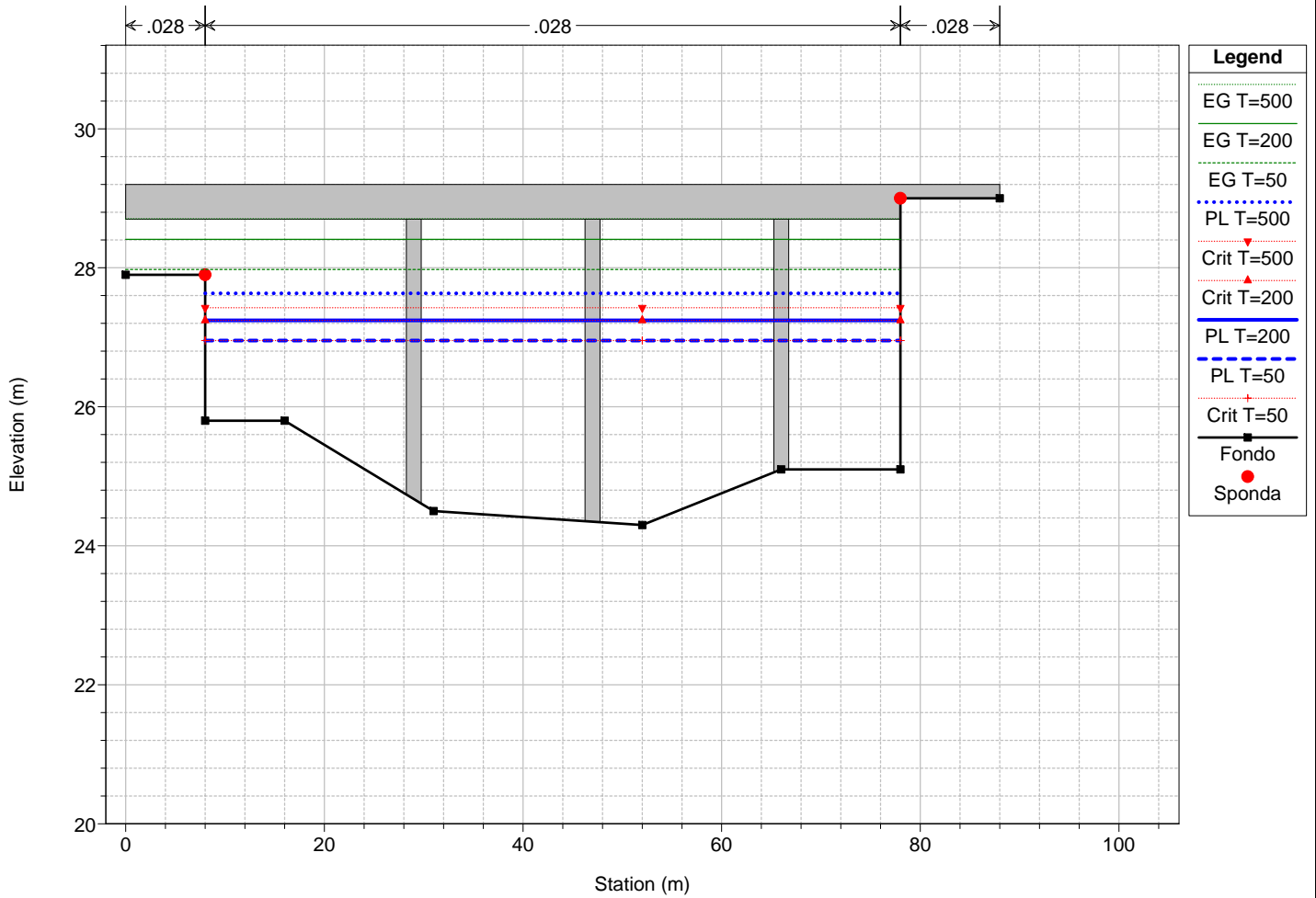
T. Petronio - Loc. Casarza (confluenze)  
Sez. PE52



Legend	
EG T=500	(Dotted green line)
EG T=200	(Dotted blue line)
PL T=500	(Dotted blue line)
EG T=50	(Dotted green line)
PL T=200	(Solid blue line)
PL T=50	(Dashed blue line)
Crit T=500	(Inverted red triangle)
Crit T=200	(Upright red triangle)
Crit T=50	(Red triangle)
Fondo	(Solid black line)
Sponda	(Red circle)

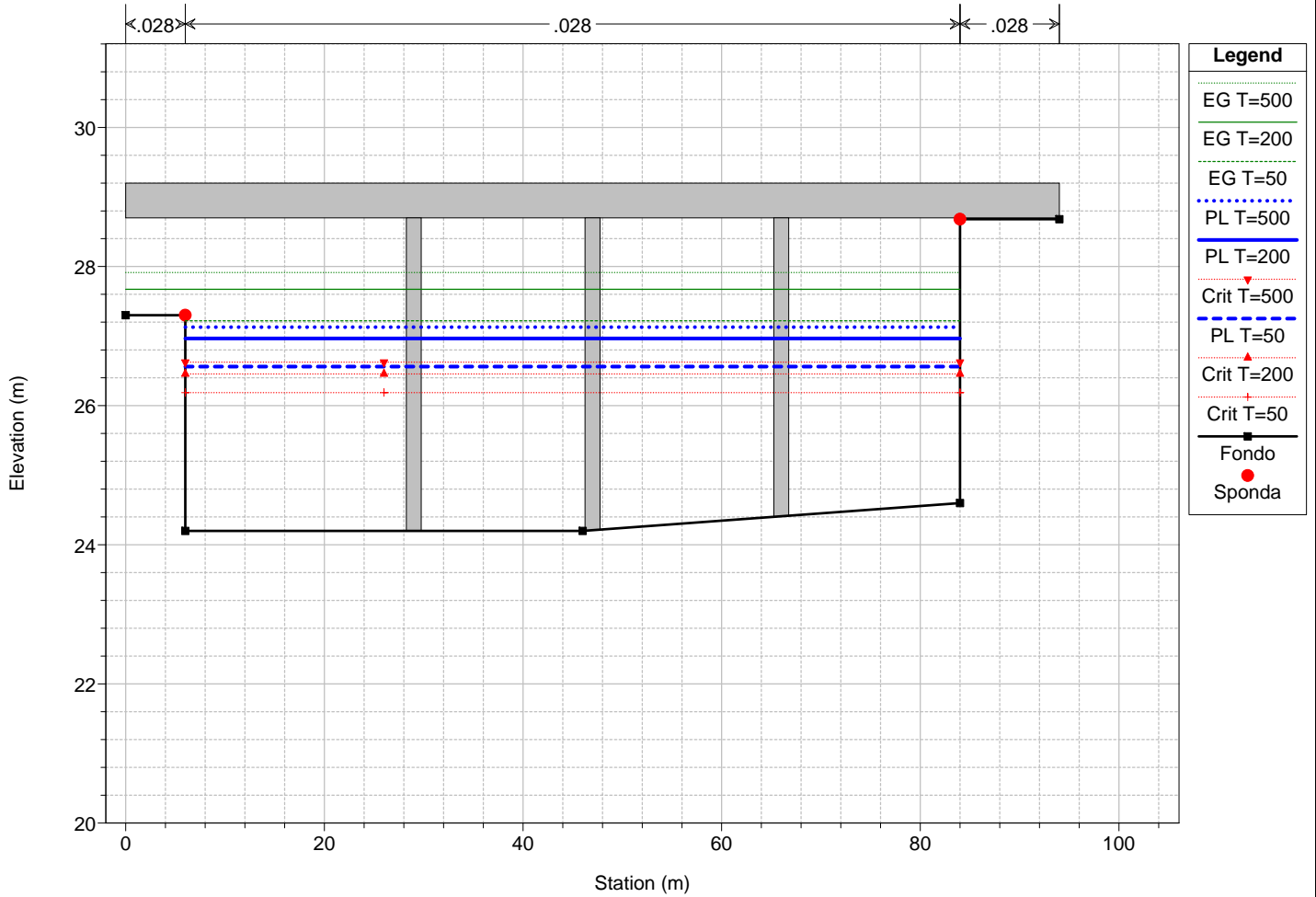
### T. Petronio - Loc. Casarza (confluenze)

Sez. PE51 - Ponte nuovo

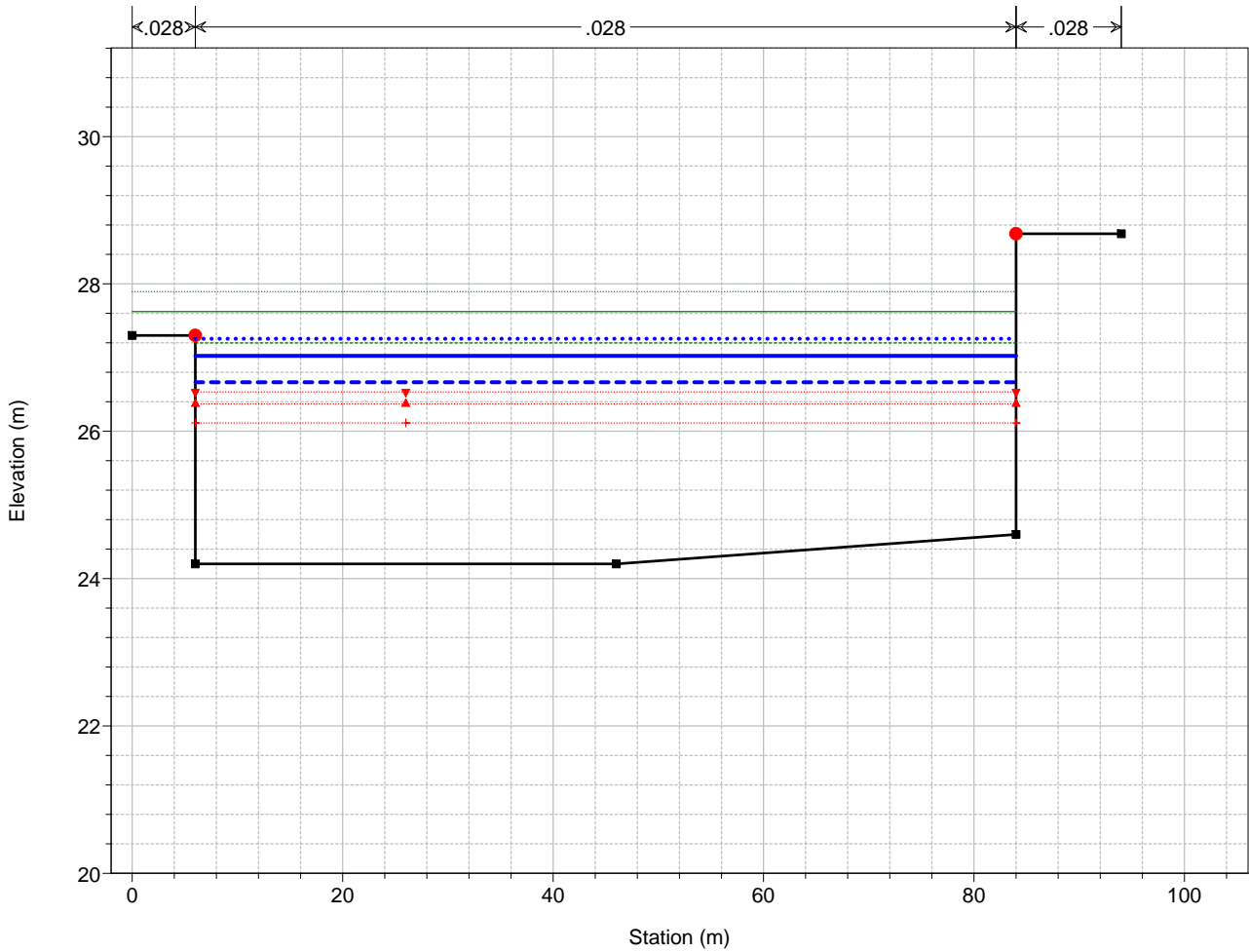


### T. Petronio - Loc. Casarza (confluenze)

Sez. PE51 - Ponte nuovo

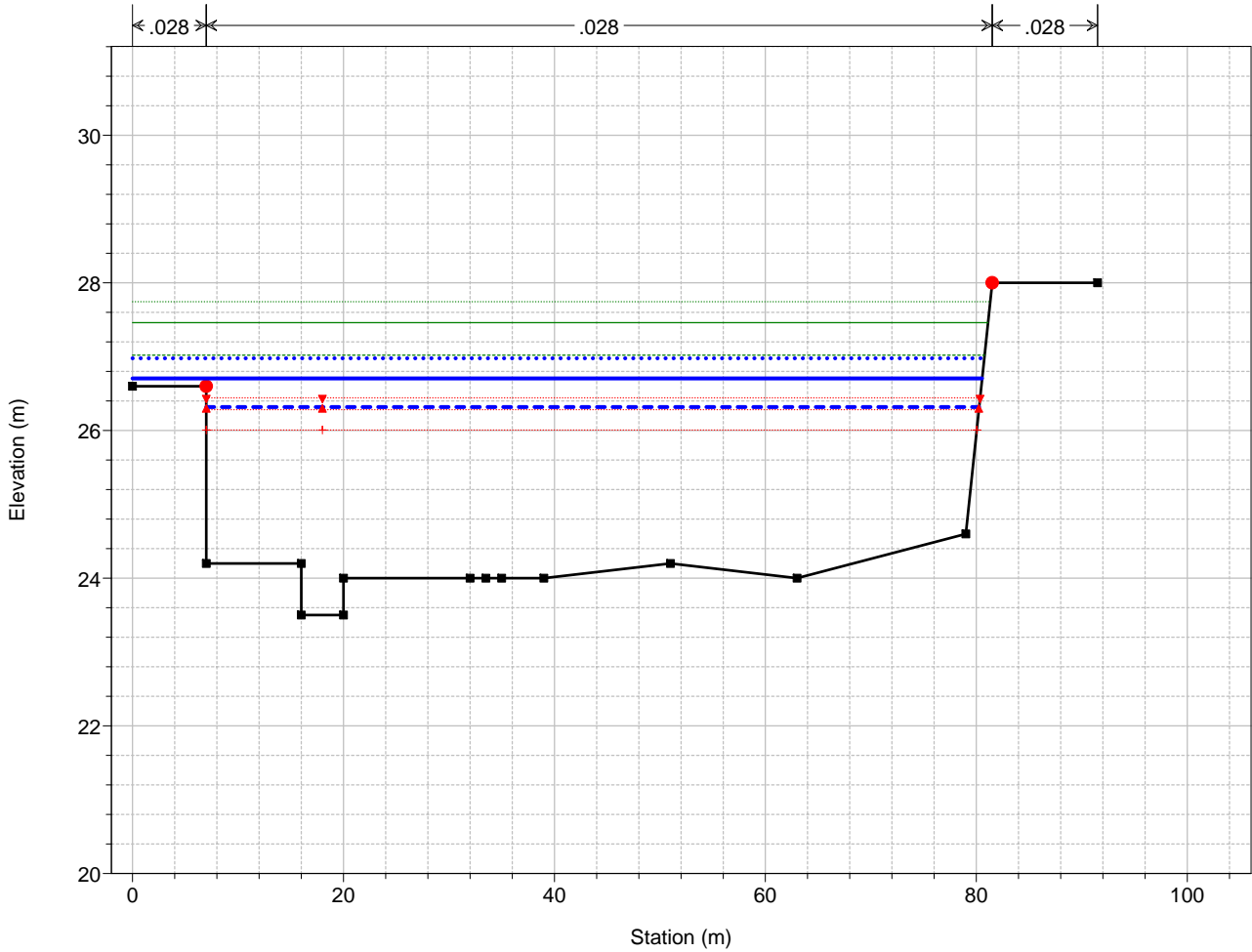


T. Petronio - Loc. Casarza (confluenze)  
Sez. PE50



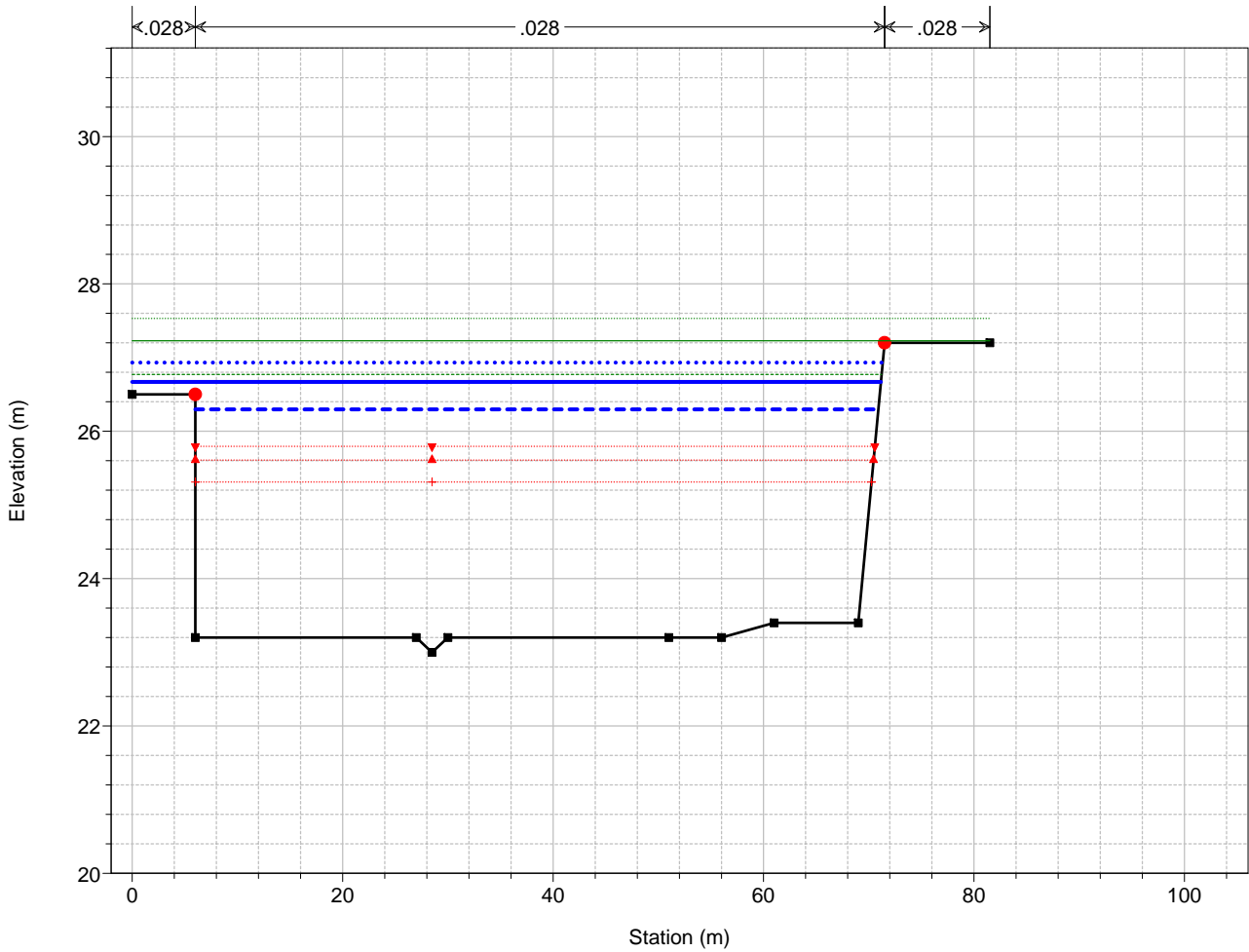
Legend	
EG T=500	— (green dotted)
EG T=200	— (green solid)
EG T=50	— (green dashed)
PL T=500	— (blue dotted)
PL T=200	— (blue solid)
PL T=50	— (blue dashed)
Crit T=500	▼ (red inverted triangle)
Crit T=200	▲ (red triangle)
Crit T=50	+ (red cross)
Fondo	— (black solid)
Sponda	● (red circle)

T. Petronio - Loc. Casarza (confluenze)  
Sez. PE49



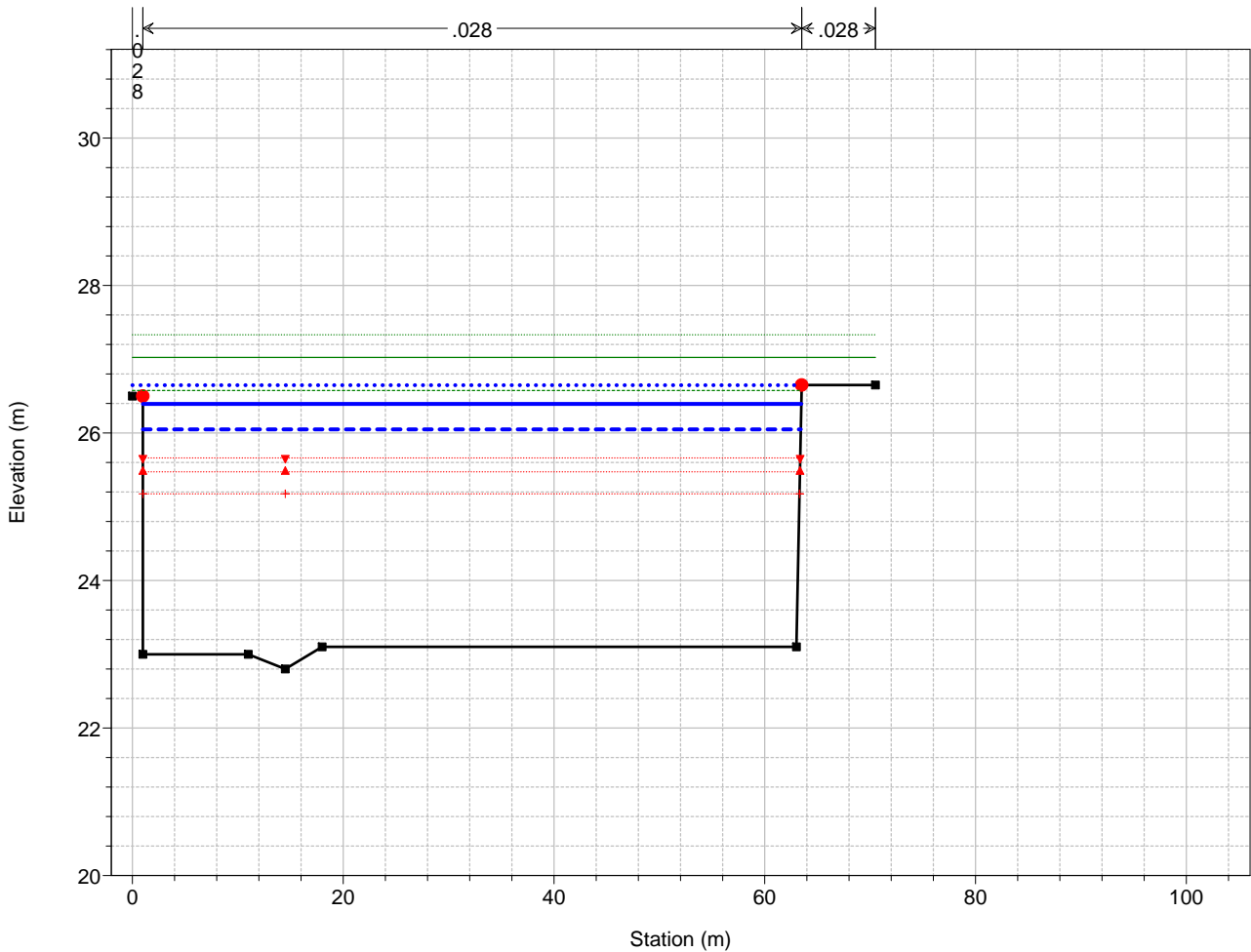
Legend	
EG T=500	— (green dotted)
EG T=200	— (green solid)
EG T=50	— (green dashed)
PL T=500	— (blue dotted)
PL T=200	— (blue solid)
PL T=50	— (blue dashed)
Crit T=500	▼ (red inverted triangle)
Crit T=200	▲ (red triangle)
Crit T=50	+ (red cross)
Fondo	— (black solid)
Sponda	● (red circle)

T. Petronio - Loc. Casarza (confluenze)  
Sez. PE48



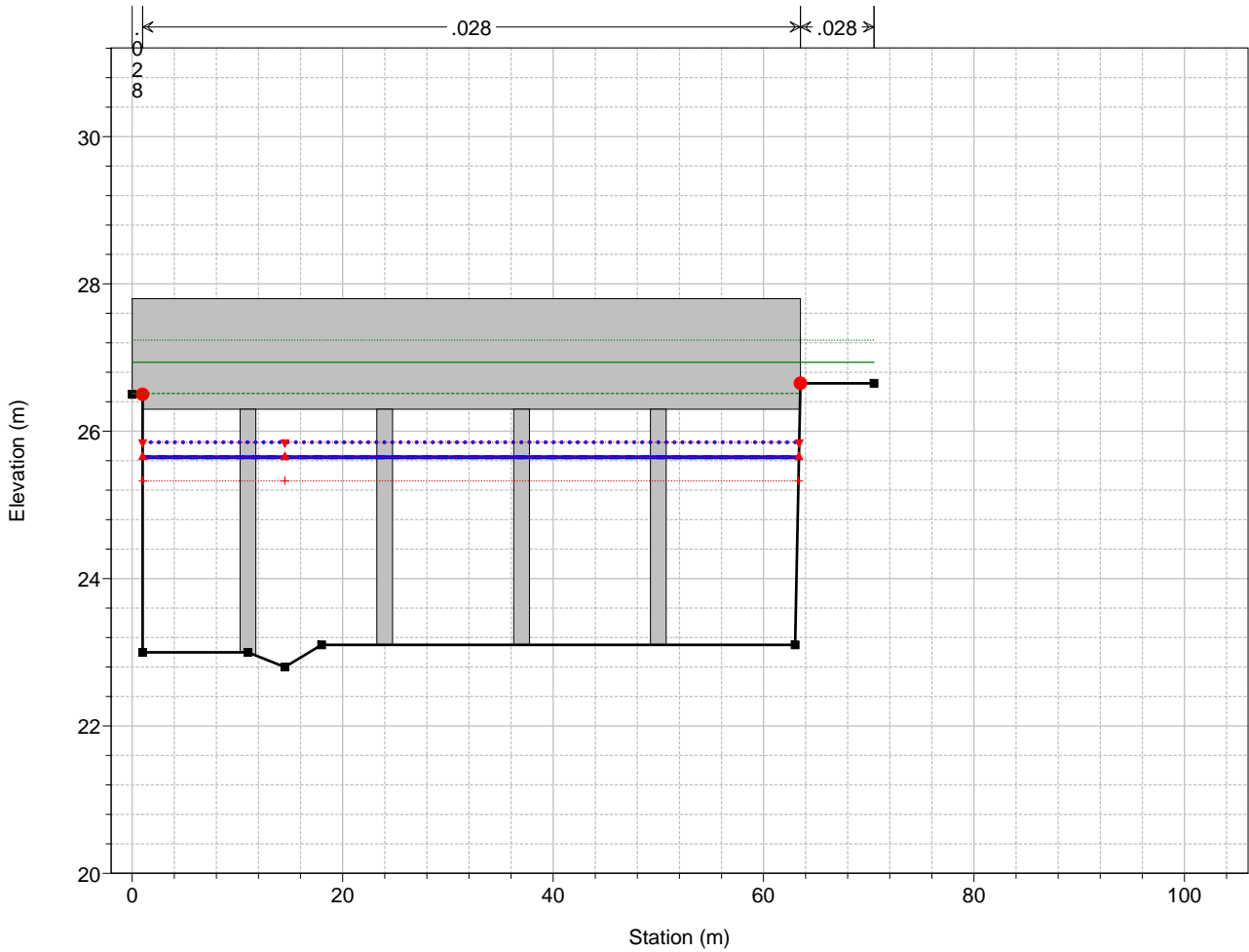
Legend	
EG T=500	— (dotted green)
EG T=200	— (dotted blue)
PL T=500	— (dotted red)
EG T=50	— (dotted green)
PL T=200	— (dotted blue)
PL T=50	— (dotted red)
Crit T=500	▼ (red inverted triangle)
Crit T=200	▲ (red triangle)
Crit T=50	+ (red cross)
Fondo	— (solid black)
Sponda	● (red circle)

T. Petronio - Loc. Casarza (confluenze)  
Sez. PE47

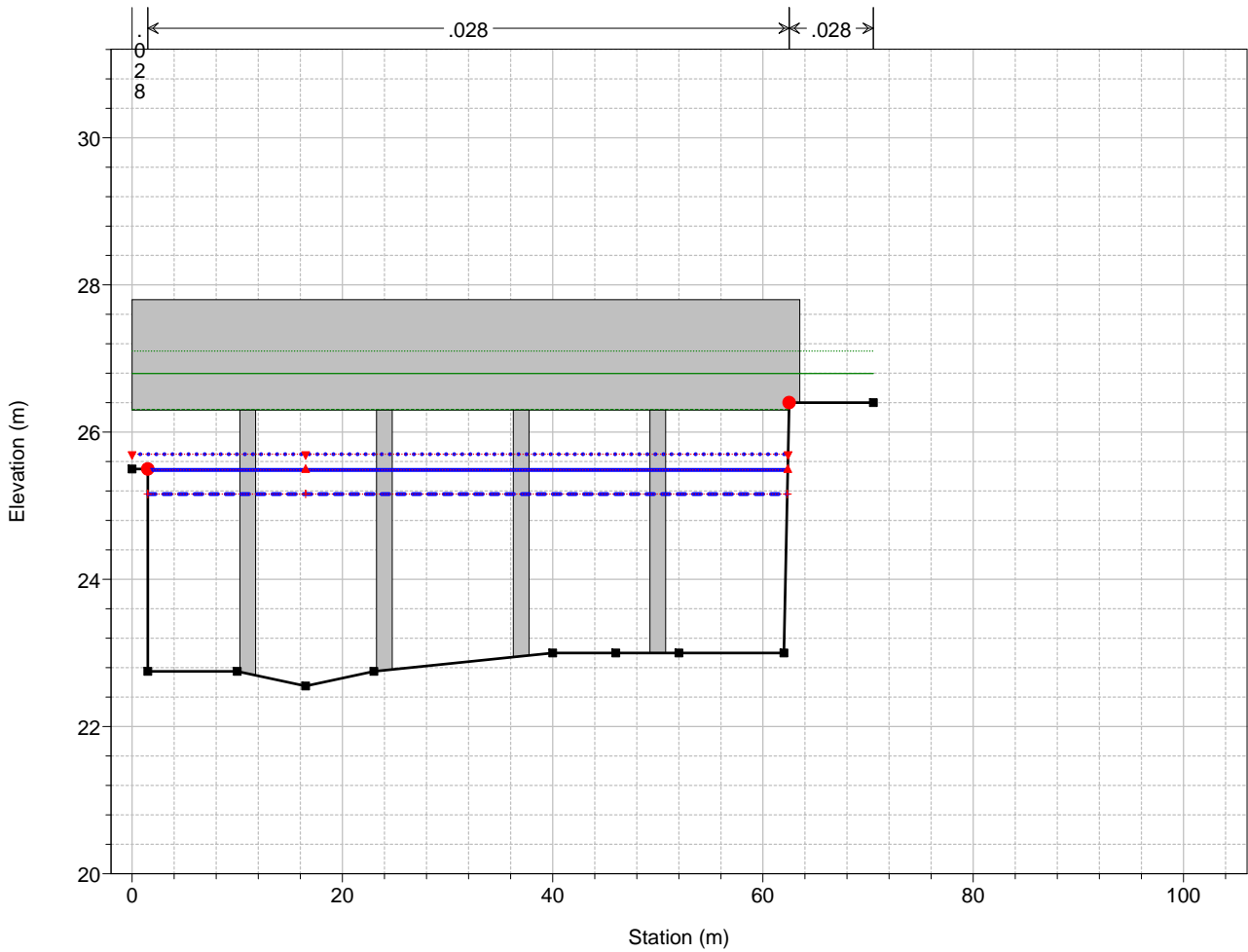


Legend	
EG T=500	— (dotted green)
EG T=200	— (dotted blue)
PL T=500	— (dotted red)
EG T=50	— (dotted green)
PL T=200	— (dotted blue)
PL T=50	— (dotted red)
Crit T=500	▼ (red inverted triangle)
Crit T=200	▲ (red triangle)
Crit T=50	+ (red cross)
Fondo	— (solid black)
Sponda	● (red circle)

T. Petronio - Loc. Casarza (confluenze)  
Sez. PE46 - Ponte

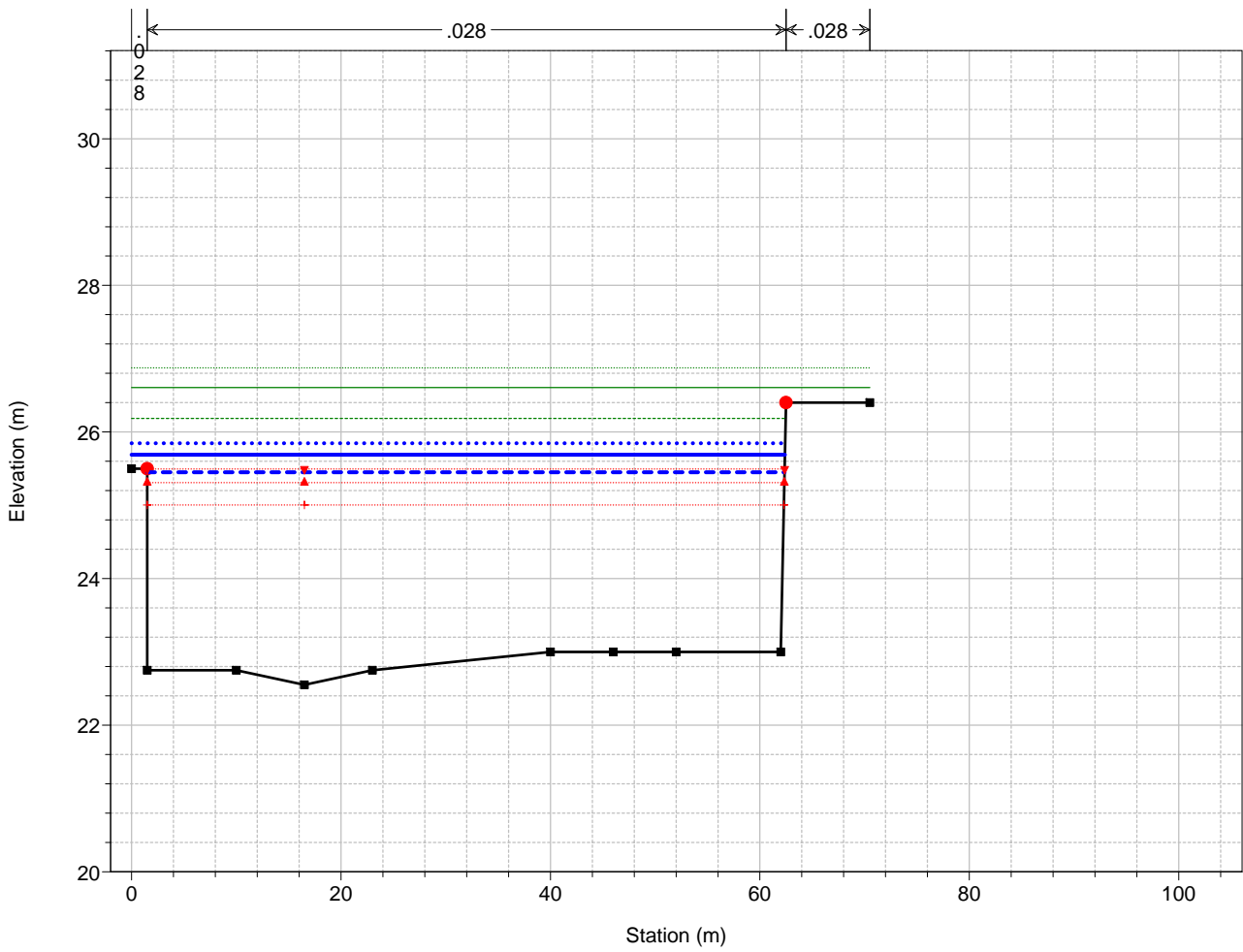


T. Petronio - Loc. Casarza (confluenze)  
Sez. PE46 - Ponte



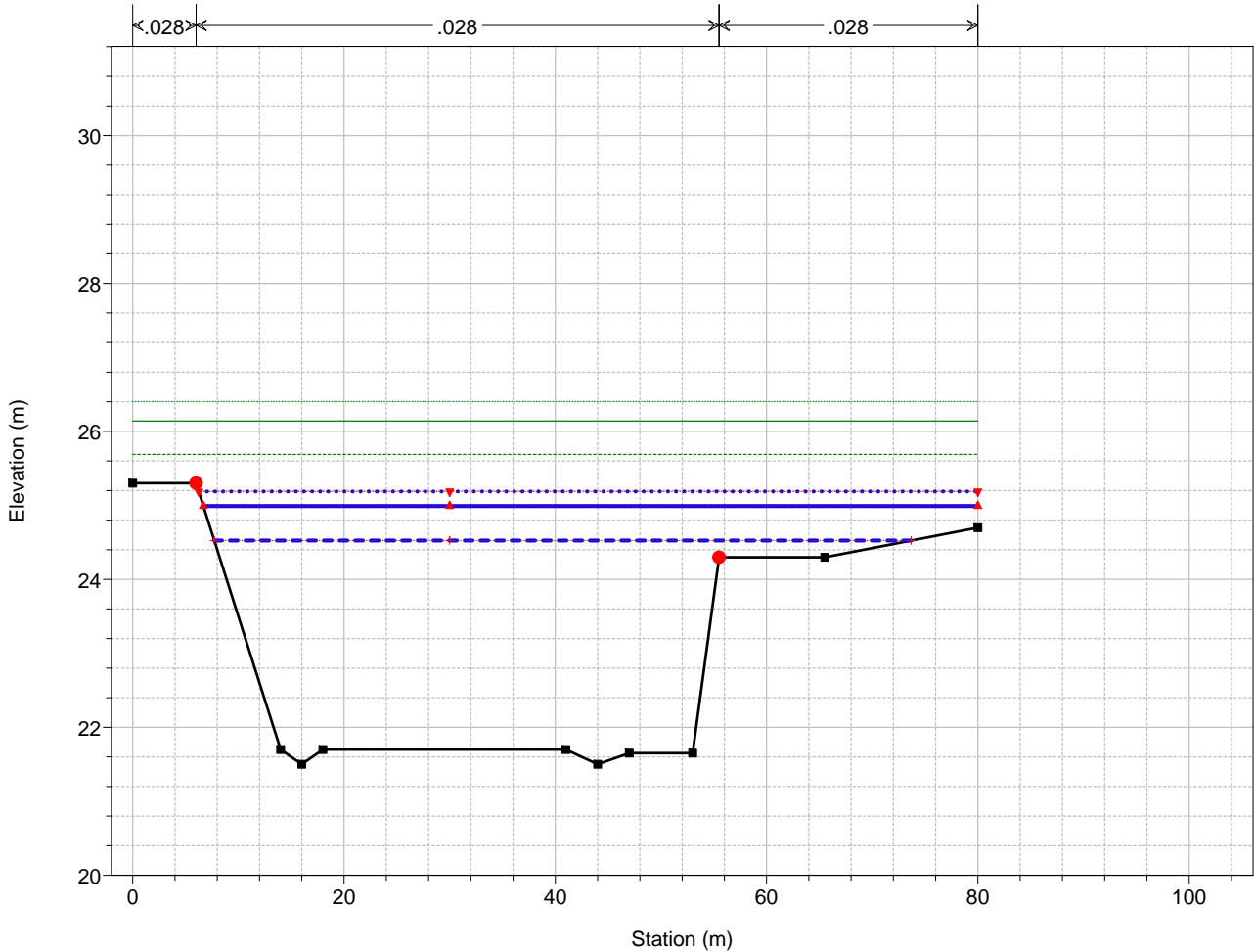


T. Petronio - Loc. Casarza (confluenze)  
Sez. PE45



Legend	
EG T=500	(Solid Green Line)
EG T=200	(Dotted Green Line)
EG T=50	(Dotted Blue Line)
PL T=500	(Solid Blue Line)
PL T=200	(Dashed Blue Line)
PL T=50	(Dotted Red Line)
Crit T=500	(Solid Red Line)
Crit T=200	(Dashed Red Line)
Crit T=50	(Dotted Red Line)
Fondo	(Black Line with Square Markers)
Sponda	(Black Line with Circular Markers)

T. Petronio - Loc. Casarza (confluenze)  
Sez. PE44



Legend	
EG T=500	(Solid Green Line)
EG T=200	(Dotted Green Line)
EG T=50	(Dotted Blue Line)
PL T=500	(Solid Blue Line)
PL T=200	(Dashed Blue Line)
PL T=50	(Dotted Red Line)
Crit T=500	(Solid Red Line)
Crit T=200	(Dashed Red Line)
Crit T=50	(Dotted Red Line)
Fondo	(Black Line with Square Markers)
Sponda	(Black Line with Circular Markers)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
monte	56	T=50	445.00	27.50	29.53	30.55	1.02	30.55	1.02	29.53	30.31	0.007053	3.93	113.34	73.00	1.01
monte	56	T=200	541.00	27.50	29.74	30.55	0.81	30.55	0.81	29.74	30.64	0.006810	4.19	129.07	73.00	1.01
monte	56	T=500	604.00	27.50	29.88	30.55	0.67	30.55	0.67	29.88	30.84	0.006682	4.35	138.87	73.00	1.01
monte	55	T=50	445.00	25.70	29.00	29.00	0.00	29.30	0.30	27.53	29.19	0.000768	1.93	230.16	78.00	0.36
monte	55	T=200	541.00	25.70	29.40	29.00	-0.40	29.30	-0.10	27.74	29.61	0.000739	2.06	266.64	95.00	0.36
monte	55	T=500	604.00	25.70	29.64	29.00	-0.64	29.30	-0.34	27.87	29.87	0.000723	2.13	289.62	95.00	0.36
med	54.1	T=50	495.00	25.20	28.61	28.80	0.19	29.00	0.39	27.23	28.84	0.000939	2.16	229.43	77.00	0.40
med	54.1	T=200	603.00	25.20	29.02	28.80	-0.22	29.00	-0.02	27.46	29.29	0.000914	2.31	262.11	91.00	0.40
med	54.1	T=500	674.00	25.20	29.27	28.80	-0.47	29.00	-0.27	27.61	29.56	0.000895	2.40	284.95	91.00	0.40
med	54	T=50	495.00	25.20	28.60	28.80	0.20	29.00	0.40	27.23	28.84	0.000946	2.16	228.97	77.00	0.40
med	54	T=200	603.00	25.20	29.01	28.80	-0.21	29.00	-0.01	27.46	29.28	0.000920	2.31	261.54	91.00	0.40
med	54	T=500	674.00	25.20	29.26	28.80	-0.46	29.00	-0.26	27.61	29.55	0.000900	2.40	284.39	91.00	0.40
valle	53	T=50	598.00	24.60	27.75	28.00	0.25	29.35	1.60	26.78	28.16	0.001699	2.83	211.20	74.00	0.54
valle	53	T=200	730.00	24.60	28.15	28.00	-0.15	29.35	1.20	27.04	28.62	0.001654	3.03	241.84	82.00	0.54
valle	53	T=500	817.00	24.60	28.39	28.00	-0.39	29.35	0.96	27.21	28.89	0.001631	3.15	261.64	82.00	0.54
valle	52	T=50	598.00	24.30	27.47	27.90	0.43	29.00	1.53	26.84	28.04	0.002644	3.32	180.15	70.00	0.66
valle	52	T=200	730.00	24.30	27.87	27.90	0.03	29.00	1.13	27.12	28.50	0.002489	3.52	207.64	70.00	0.65
valle	52	T=500	817.00	24.30	28.10	27.90	-0.20	29.00	0.90	27.30	28.78	0.002428	3.64	225.58	78.00	0.65
valle	51		Bridge													
valle	50	T=50	598.00	24.20	26.67	27.30	0.63	28.68	2.01	26.11	27.20	0.002809	3.24	184.68	78.00	0.67
valle	50	T=200	730.00	24.20	27.02	27.30	0.28	28.68	1.66	26.37	27.62	0.002648	3.43	212.60	78.00	0.66
valle	50	T=500	817.00	24.20	27.26	27.30	0.04	28.68	1.42	26.53	27.89	0.002541	3.54	230.82	78.00	0.66
valle	49	T=50	598.00	23.50	26.32	26.60	0.28	28.00	1.68	26.01	27.02	0.004077	3.71	161.01	73.26	0.80
valle	49	T=200	730.00	23.50	26.71	26.60	-0.11	28.00	1.29	26.28	27.46	0.003577	3.85	190.17	80.55	0.77
valle	49	T=500	817.00	23.50	26.98	26.60	-0.38	28.00	1.02	26.44	27.75	0.003205	3.89	212.11	80.75	0.74
valle	48	T=50	598.00	23.00	26.30	26.50	0.20	27.20	0.90	25.31	26.77	0.001833	3.05	196.07	64.91	0.56
valle	48	T=200	730.00	23.00	26.67	26.50	-0.17	27.20	0.53	25.61	27.23	0.001873	3.31	221.31	71.15	0.57
valle	48	T=500	817.00	23.00	26.93	26.50	-0.43	27.20	0.27	25.80	27.53	0.001831	3.43	240.04	71.32	0.57
valle	47	T=50	598.00	22.80	26.05	26.50	0.45	26.65	0.60	25.17	26.58	0.002132	3.22	185.69	62.42	0.60
valle	47	T=200	730.00	22.80	26.39	26.50	0.11	26.65	0.26	25.47	27.03	0.002234	3.52	207.21	62.46	0.62
valle	47	T=500	817.00	22.80	26.65	26.50	-0.15	26.65	0.00	25.66	27.33	0.002201	3.66	223.32	63.50	0.62
valle	46		Bridge													
valle	45	T=50	598.00	22.55	25.45	25.50	0.05	26.40	0.95	25.00	26.18	0.003523	3.80	157.49	60.86	0.75
valle	45	T=200	730.00	22.55	25.69	25.50	-0.19	26.40	0.71	25.31	26.61	0.003934	4.24	172.28	62.40	0.81
valle	45	T=500	817.00	22.55	25.85	25.50	-0.35	26.40	0.55	25.49	26.88	0.004119	4.50	182.16	62.42	0.83
valle	44	T=50	598.00	21.50	24.53	25.30	0.77	24.30	-0.23	24.53	25.69	0.005275	4.79	127.51	65.96	0.95
valle	44	T=200	730.00	21.50	24.99	25.30	0.31	24.30	-0.69	24.99	26.14	0.004411	4.82	160.80	73.31	0.89
valle	44	T=500	817.00	21.50	25.19	25.30	0.11	24.30	-0.89	25.19	26.41	0.004386	4.98	175.39	73.75	0.89

Plan: Pp7 T. Petronio valle RS: 46 Profile: T=50

E.G. US. (m)	26.58	Element	Inside BR US	Inside BR DS
W.S. US. (m)	26.05	E.G. Elev (m)	26.51	26.31
Q Total (m3/s)	598.00	W.S. Elev (m)	25.65	25.16
Q Bridge (m3/s)	598.00	Crit W.S. (m)	25.33	25.16
Q Weir (m3/s)		Max Chl Dpth (m)	2.85	2.61
Weir Sta Lft (m)		Vel Total (m/s)	4.12	4.75
Weir Sta Rgt (m)		Flow Area (m2)	145.21	125.96
Weir Submerg		Froude # Chl	0.82	1.00
Weir Max Depth (m)		Specif Force (m3)	438.53	434.86
Min El Weir Flow (m)	26.65	Hydr Depth (m)	2.58	2.30
Min El Prs (m)	26.30	W.P. Total (m)	81.87	77.49
Delta EG (m)	0.39	Conv. Total (m3/s)	7599.4	6219.1
Delta WS (m)	0.60	Top Width (m)	56.36	54.82
BR Open Area (m2)	181.99	Frctn Loss (m)		
BR Open Vel (m/s)	4.75	C & E Loss (m)		
Coef of Q		Shear Total (N/m2)	107.71	147.38
Br Sel Method	Momentum	Power Total (N/m s)	0.00	0.00

Plan: Pp7 T. Petronio valle RS: 46 Profile: T=200

E.G. US. (m)	27.03	Element	Inside BR US	Inside BR DS
W.S. US. (m)	26.39	E.G. Elev (m)	26.94	26.80
Q Total (m3/s)	730.00	W.S. Elev (m)	25.65	25.49
Q Bridge (m3/s)	730.00	Crit W.S. (m)	25.65	25.49
Q Weir (m3/s)		Max Chl Dpth (m)	2.85	2.94
Weir Sta Lft (m)		Vel Total (m/s)	5.03	5.07
Weir Sta Rgt (m)		Flow Area (m2)	145.12	143.89
Weir Submerg		Froude # Chl	1.00	1.00
Weir Max Depth (m)		Specif Force (m3)	561.52	567.05
Min El Weir Flow (m)	26.65	Hydr Depth (m)	2.57	2.62
Min El Prs (m)	26.30	W.P. Total (m)	81.85	80.76
Delta EG (m)	0.42	Conv. Total (m3/s)	7592.4	7552.6
Delta WS (m)	0.71	Top Width (m)	56.36	54.87
BR Open Area (m2)	181.99	Frctn Loss (m)	0.03	0.02
BR Open Vel (m/s)	5.07	C & E Loss (m)	0.00	0.12
Coef of Q		Shear Total (N/m2)	160.73	163.23
Br Sel Method	Energy only	Power Total (N/m s)	0.00	0.00

Plan: Pp7 T. Petronio valle RS: 46 Profile: T=500

E.G. US. (m)	27.33	Element	Inside BR US	Inside BR DS
W.S. US. (m)	26.65	E.G. Elev (m)	27.24	27.10
Q Total (m3/s)	817.00	W.S. Elev (m)	25.85	25.70
Q Bridge (m3/s)	817.00	Crit W.S. (m)	25.85	25.70
Q Weir (m3/s)		Max Chl Dpth (m)	3.05	3.15
Weir Sta Lft (m)		Vel Total (m/s)	5.22	5.24
Weir Sta Rgt (m)		Flow Area (m2)	156.57	155.96
Weir Submerg		Froude # Chl	1.00	0.99
Weir Max Depth (m)		Specif Force (m3)	652.38	658.46
Min El Weir Flow (m)	26.65	Hydr Depth (m)	2.78	2.77
Min El Prs (m)	26.30	W.P. Total (m)	83.88	84.41
Delta EG (m)	0.46	Conv. Total (m3/s)	8477.1	8477.6
Delta WS (m)	0.80	Top Width (m)	56.39	56.40
BR Open Area (m2)	181.99	Frctn Loss (m)	0.03	0.02
BR Open Vel (m/s)	5.24	C & E Loss (m)	0.00	0.11
Coef of Q		Shear Total (N/m2)	170.02	168.28
Br Sel Method	Energy only	Power Total (N/m s)	0.00	0.00

Plan: Pp7 T. Petronio valle RS: 51 Profile: T=50

E.G. US. (m)	28.04	Element	Inside BR US	Inside BR DS
W.S. US. (m)	27.47	E.G. Elev (m)	27.97	27.22
Q Total (m3/s)	598.00	W.S. Elev (m)	26.95	26.56
Q Bridge (m3/s)	598.00	Crit W.S. (m)	26.95	26.19
Q Weir (m3/s)		Max Chl Dpth (m)	2.65	2.36
Weir Sta Lft (m)		Vel Total (m/s)	4.48	3.60
Weir Sta Rgt (m)		Flow Area (m2)	133.61	166.31
Weir Submerg		Froude # Chl	1.00	0.76
Weir Max Depth (m)		Specif Force (m3)	416.99	407.86
Min El Weir Flow (m)	29.20	Hydr Depth (m)	2.04	2.26
Min El Prs (m)	28.70	W.P. Total (m)	82.11	91.55
Delta EG (m)	0.84	Conv. Total (m3/s)	6601.9	8842.7
Delta WS (m)	0.81	Top Width (m)	65.50	73.50
BR Open Area (m2)	254.36	Frctn Loss (m)		
BR Open Vel (m/s)	4.48	C & E Loss (m)		
Coef of Q		Shear Total (N/m2)	130.93	81.47
Br Sel Method	Momentum	Power Total (N/m s)	0.00	0.00

Plan: Pp7 T. Petronio valle RS: 51 Profile: T=200

E.G. US. (m)	28.50	Element	Inside BR US	Inside BR DS
W.S. US. (m)	27.87	E.G. Elev (m)	28.41	27.67
Q Total (m3/s)	730.00	W.S. Elev (m)	27.24	26.97
Q Bridge (m3/s)	730.00	Crit W.S. (m)	27.24	26.46
Q Weir (m3/s)		Max Chl Dpth (m)	2.94	2.77
Weir Sta Lft (m)		Vel Total (m/s)	4.79	3.72
Weir Sta Rgt (m)		Flow Area (m2)	152.54	195.98
Weir Submerg		Froude # Chl	1.00	0.73
Weir Max Depth (m)		Specif Force (m3)	541.59	538.95
Min El Weir Flow (m)	29.20	Hydr Depth (m)	2.33	2.67
Min El Prs (m)	28.70	W.P. Total (m)	84.42	94.78
Delta EG (m)	0.87	Conv. Total (m3/s)	8081.9	11359.8
Delta WS (m)	0.84	Top Width (m)	65.50	73.50
BR Open Area (m2)	254.36	Frctn Loss (m)	0.06	0.02
BR Open Vel (m/s)	4.79	C & E Loss (m)	0.14	0.03
Coef of Q		Shear Total (N/m2)	144.57	83.73
Br Sel Method	Energy only	Power Total (N/m s)	0.00	0.00

Plan: Pp7 T. Petronio valle RS: 51 Profile: T=500

E.G. US. (m)	28.78	Element	Inside BR US	Inside BR DS
W.S. US. (m)	28.10	E.G. Elev (m)	28.71	27.92
Q Total (m3/s)	817.00	W.S. Elev (m)	27.63	27.13
Q Bridge (m3/s)	817.00	Crit W.S. (m)	27.43	26.63
Q Weir (m3/s)		Max Chl Dpth (m)	3.33	2.93
Weir Sta Lft (m)		Vel Total (m/s)	4.59	3.93
Weir Sta Rgt (m)		Flow Area (m2)	178.12	208.05
Weir Submerg		Froude # Chl	0.89	0.75
Weir Max Depth (m)		Specif Force (m3)	632.03	621.97
Min El Weir Flow (m)	29.20	Hydr Depth (m)	2.72	2.83
Min El Prs (m)	28.70	W.P. Total (m)	87.54	96.10
Delta EG (m)	0.88	Conv. Total (m3/s)	10214.4	12435.1
Delta WS (m)	0.84	Top Width (m)	65.50	73.50
BR Open Area (m2)	254.36	Frctn Loss (m)		
BR Open Vel (m/s)	4.59	C & E Loss (m)		
Coef of Q		Shear Total (N/m2)	127.65	91.65
Br Sel Method	Momentum	Power Total (N/m s)	0.00	0.00