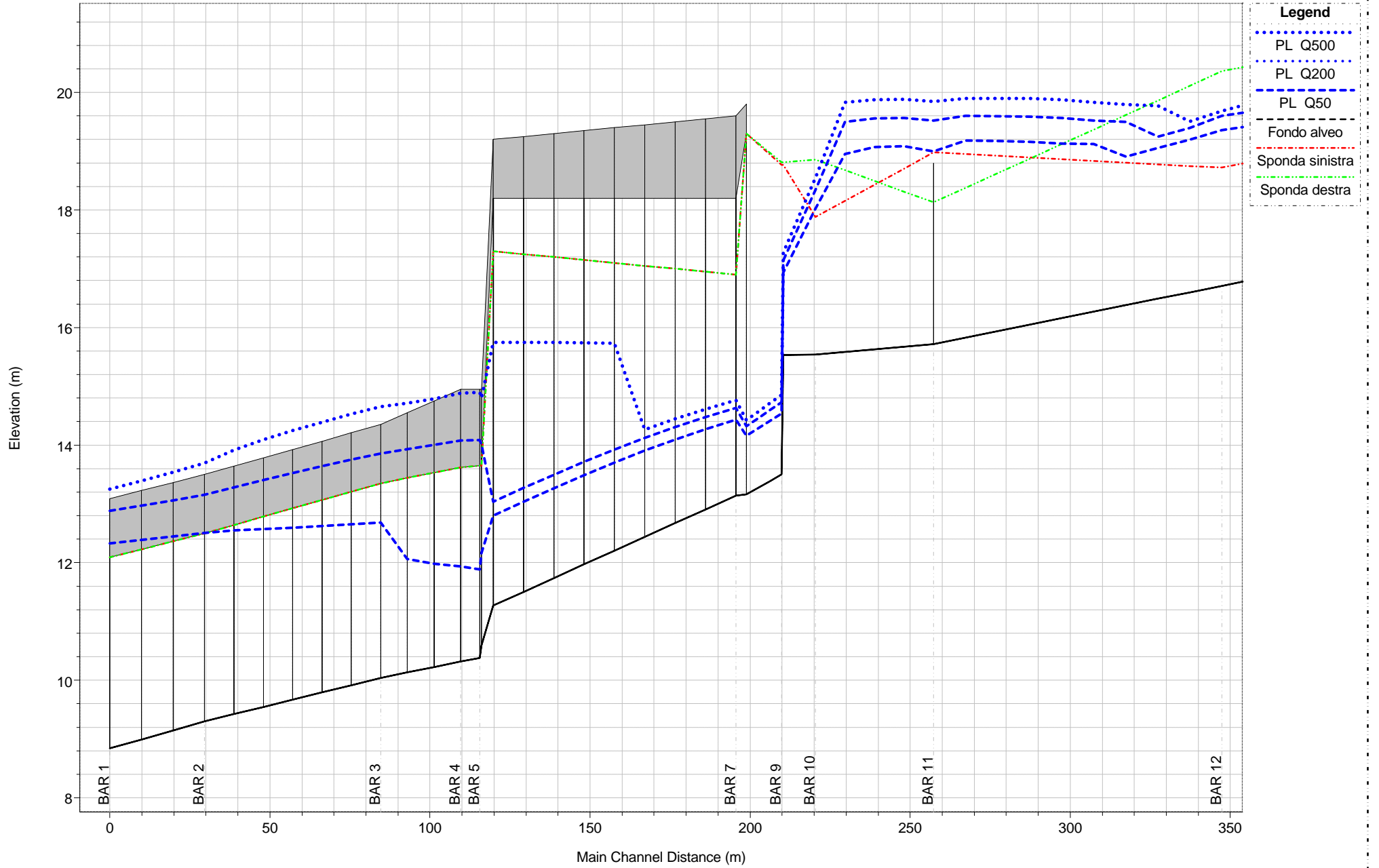


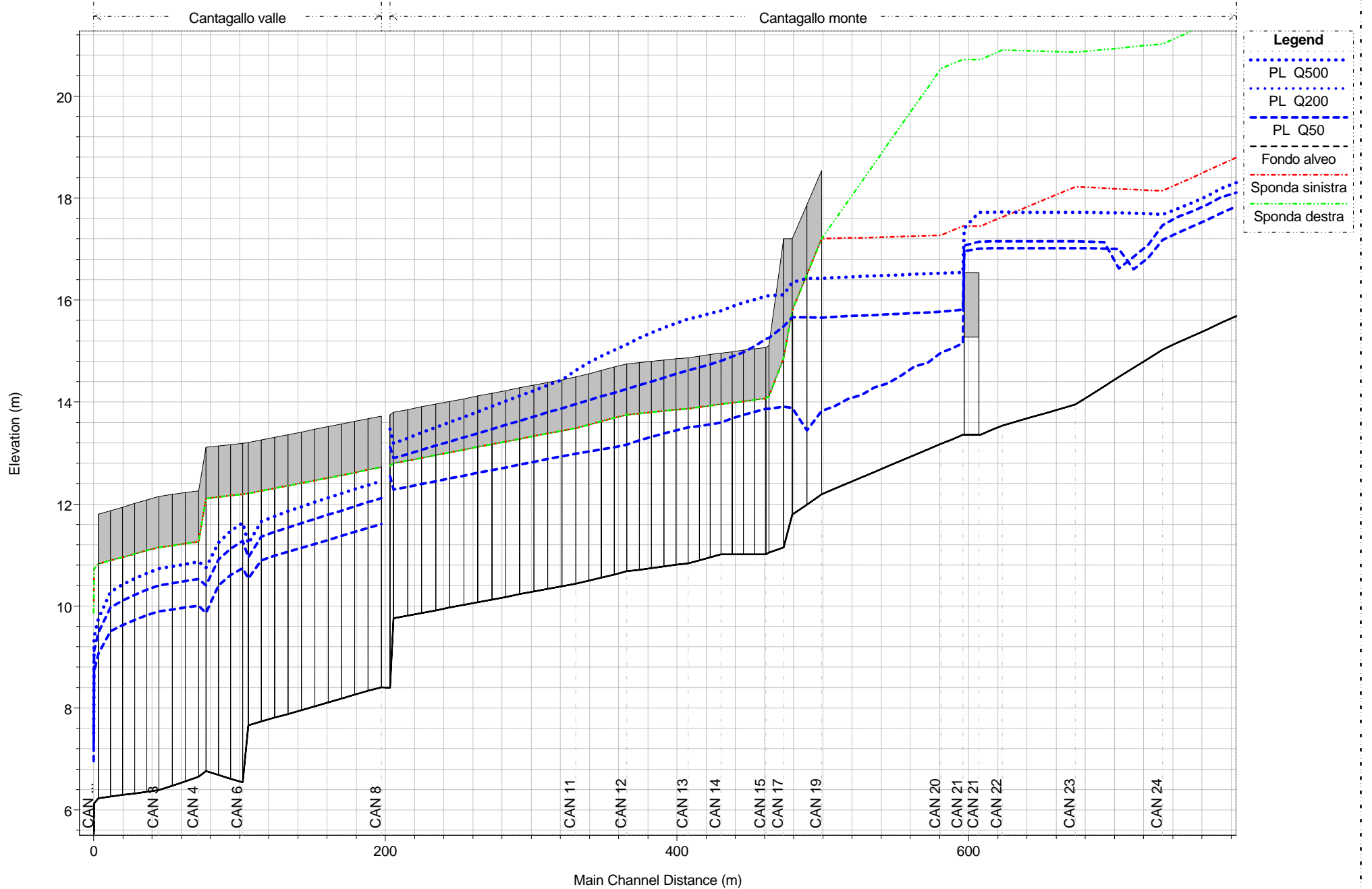
Bardi Cantagallo

Bardi unico



1 cm Horiz. = 16.02131 m 1 cm Vert. = 0.8721877 m

Bardi Cantagallo

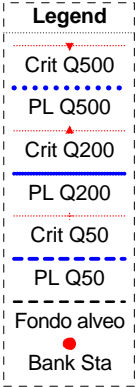
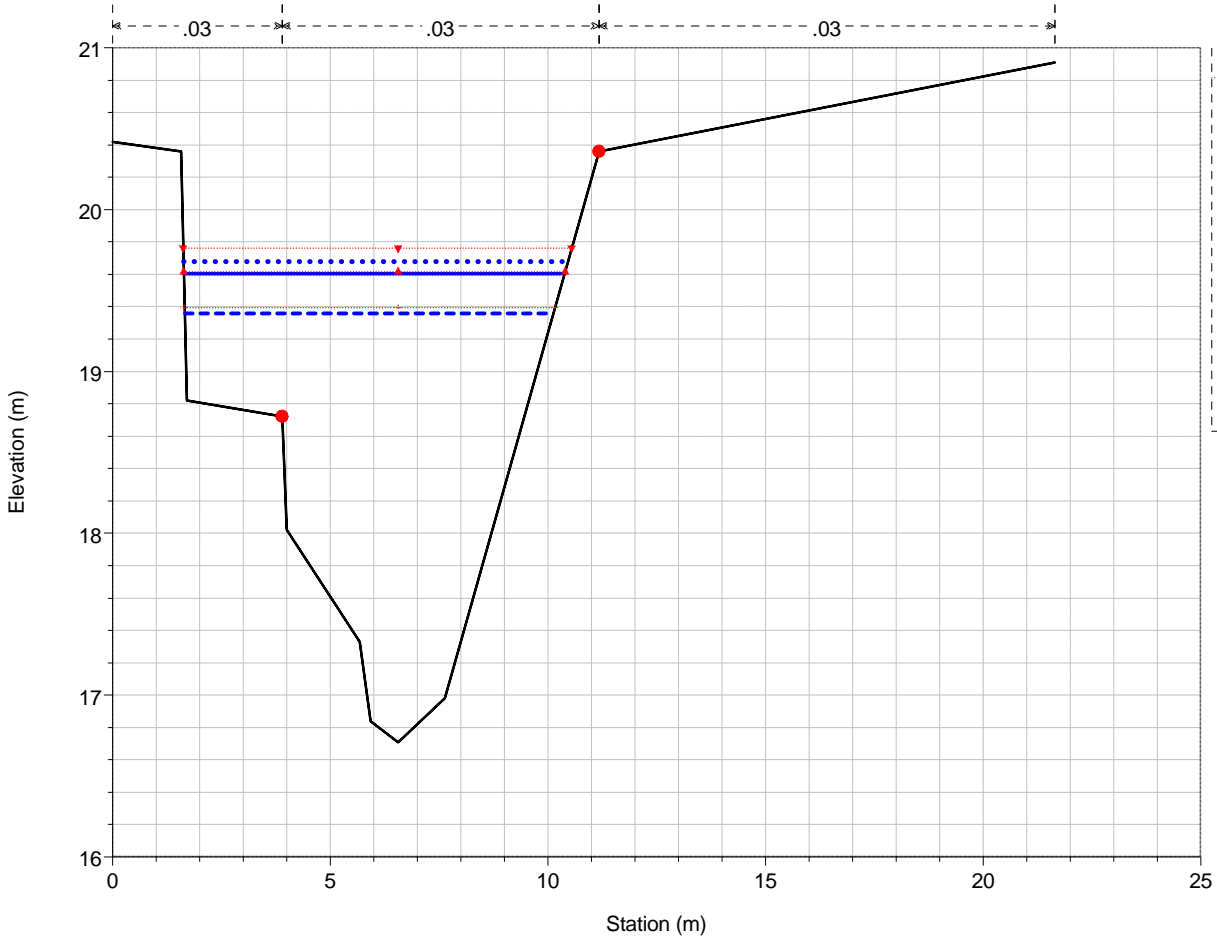


- Legend**
- PL Q500
 - PL Q200
 - PL Q50
 - Fondo alveo
 - Sponda sinistra
 - Sponda destra

1 cm Horiz. = 35 m 1 cm Vert. = 1 m

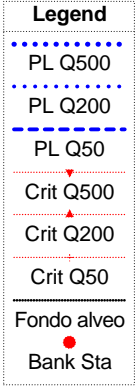
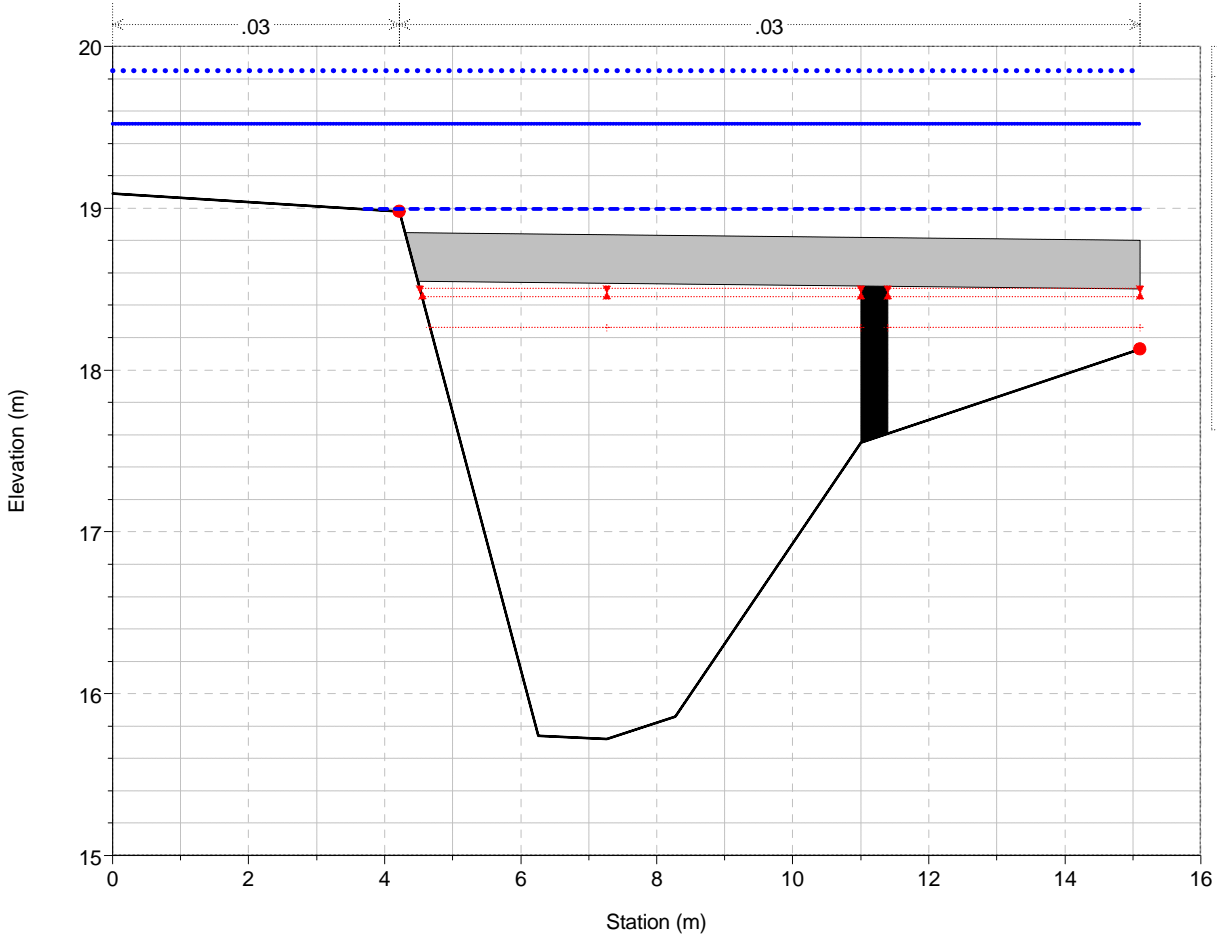
Bardi Cantagallo

River = Bardi Reach = unico BAR 12



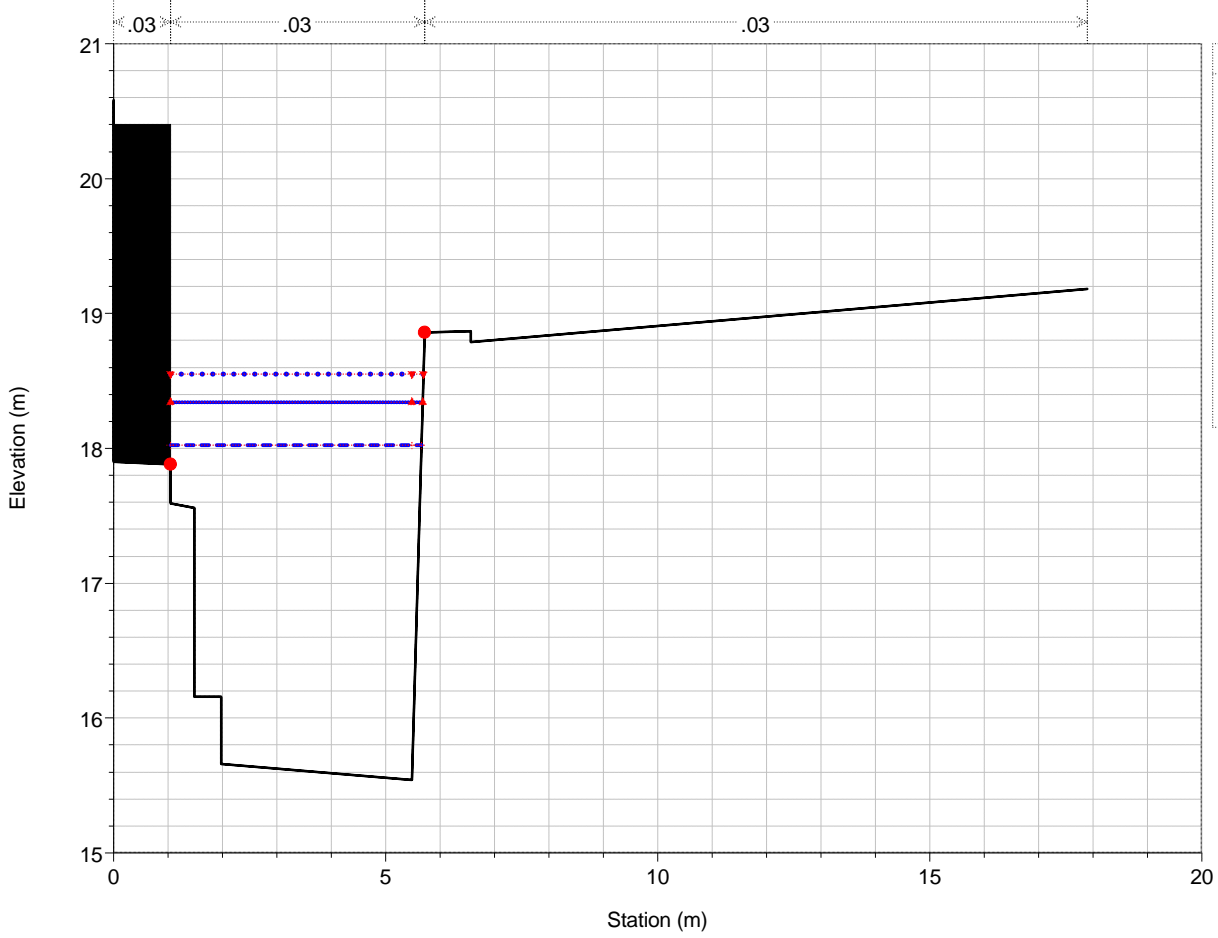
Bardi Cantagallo

River = Bardi Reach = unico BAR 11



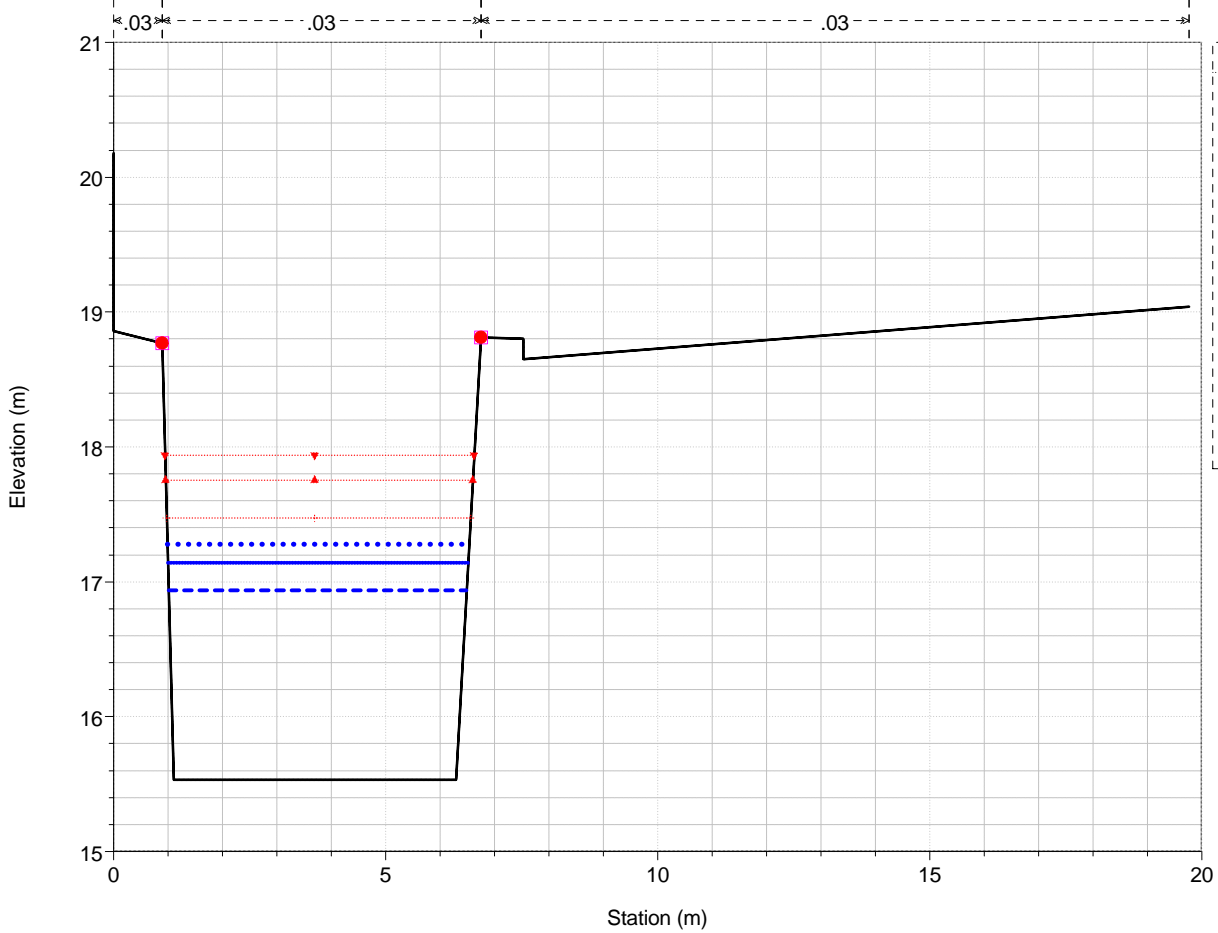
Bardi Cantagallo

River = Bardi Reach = unico BAR 10



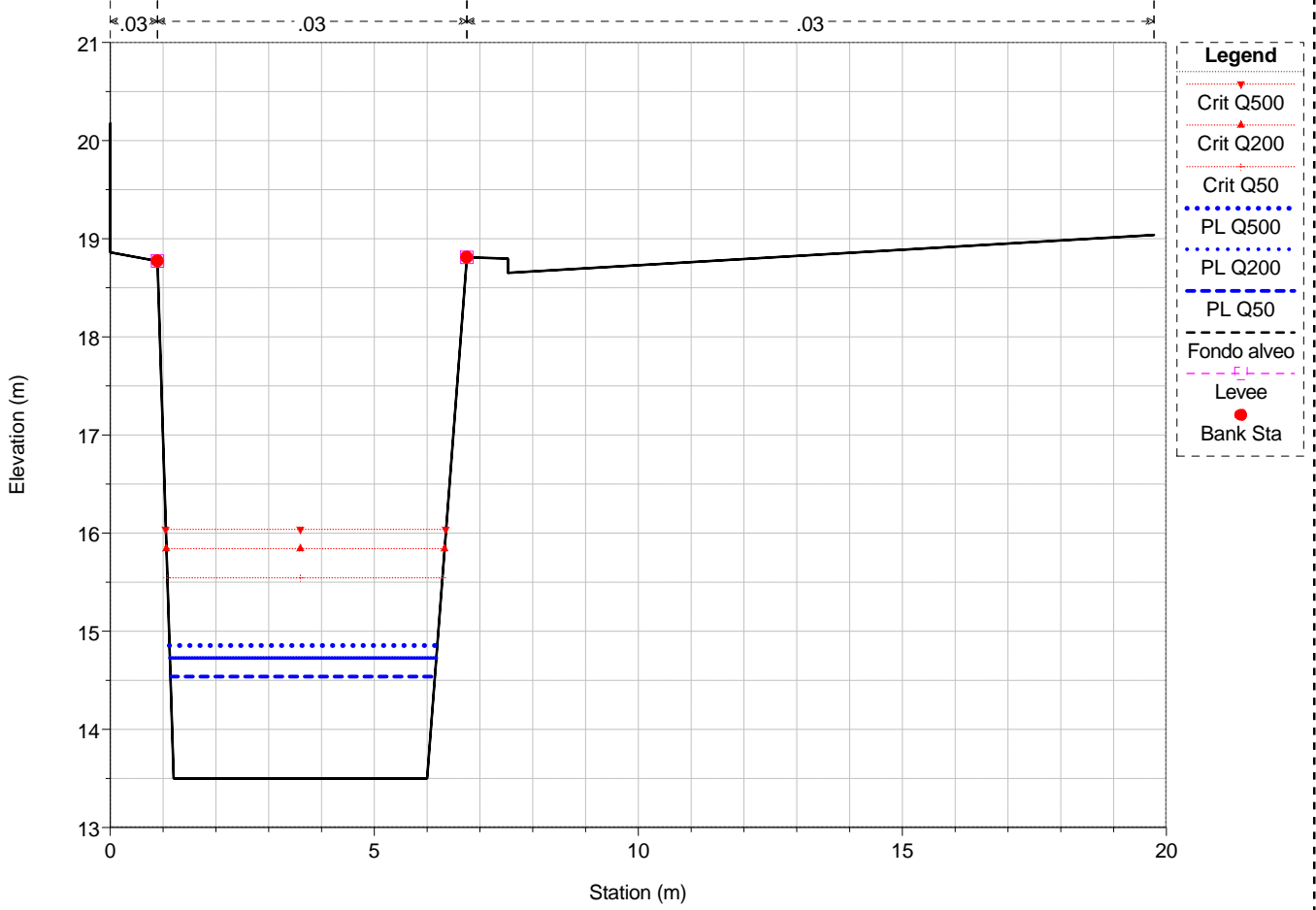
Bardi Cantagallo

River = Bardi Reach = unico BAR 9



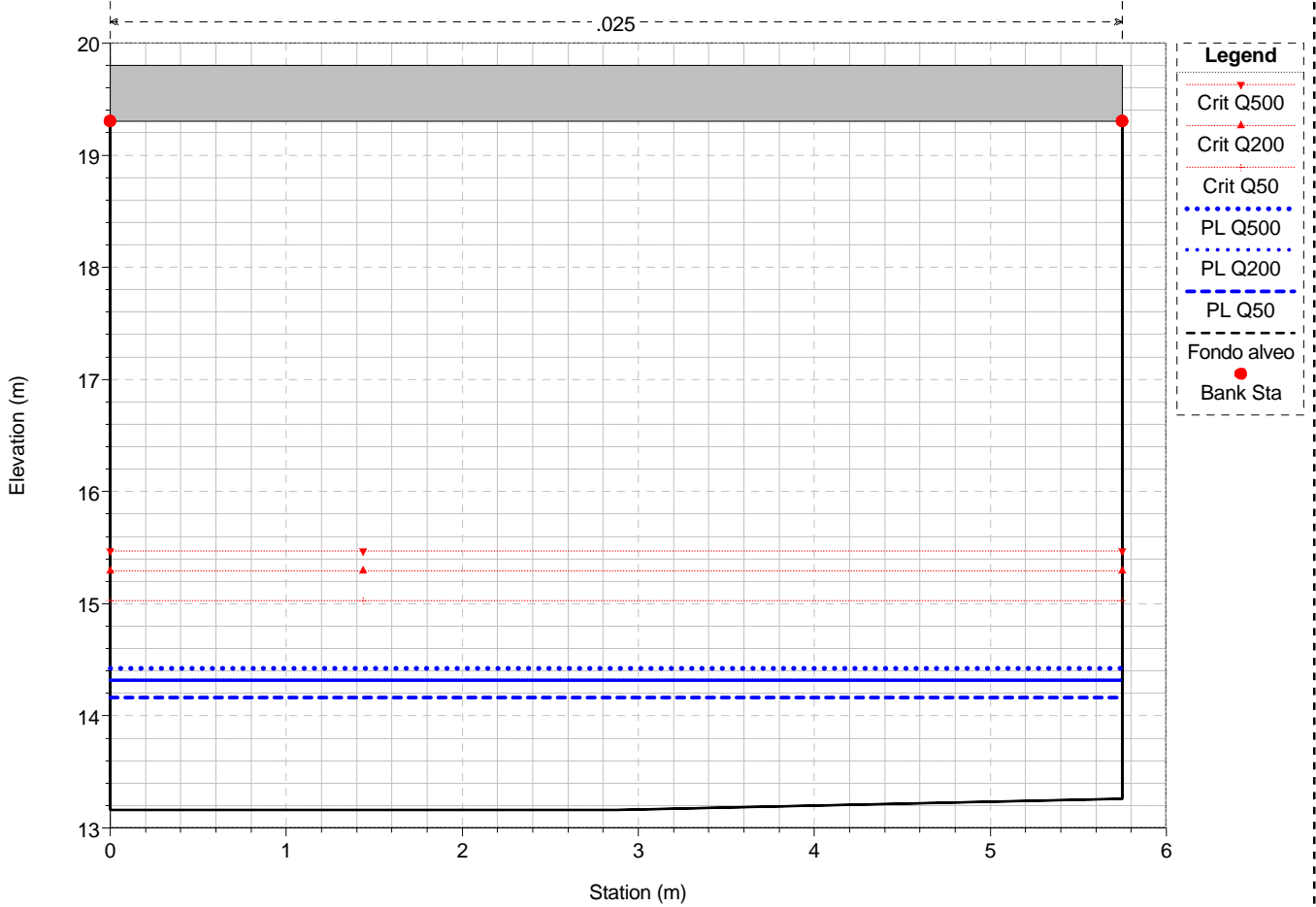
Bardi Cantagallo

River = Bardi Reach = unico BAR 9



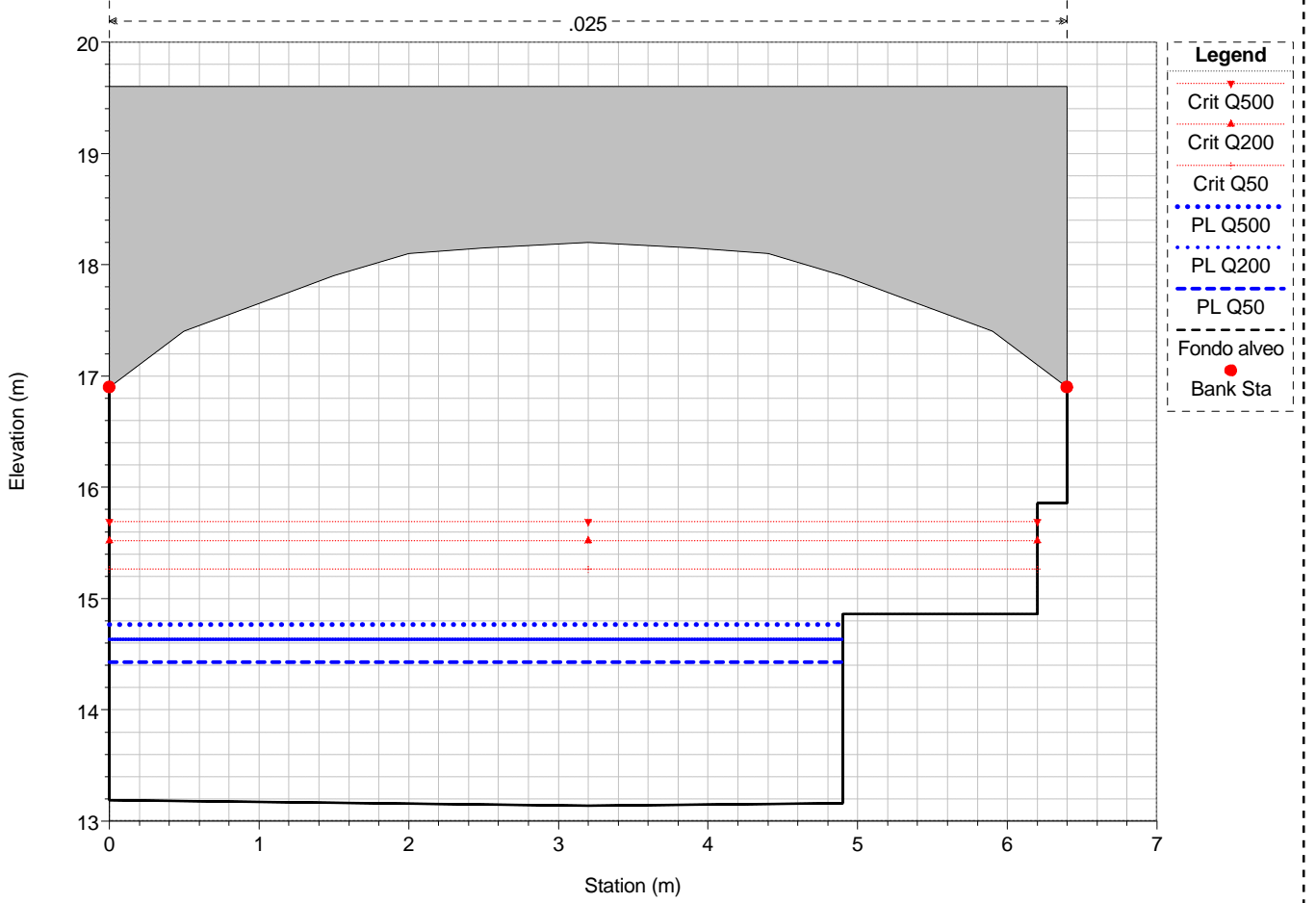
Bardi Cantagallo

River = Bardi Reach = unico BAR 8



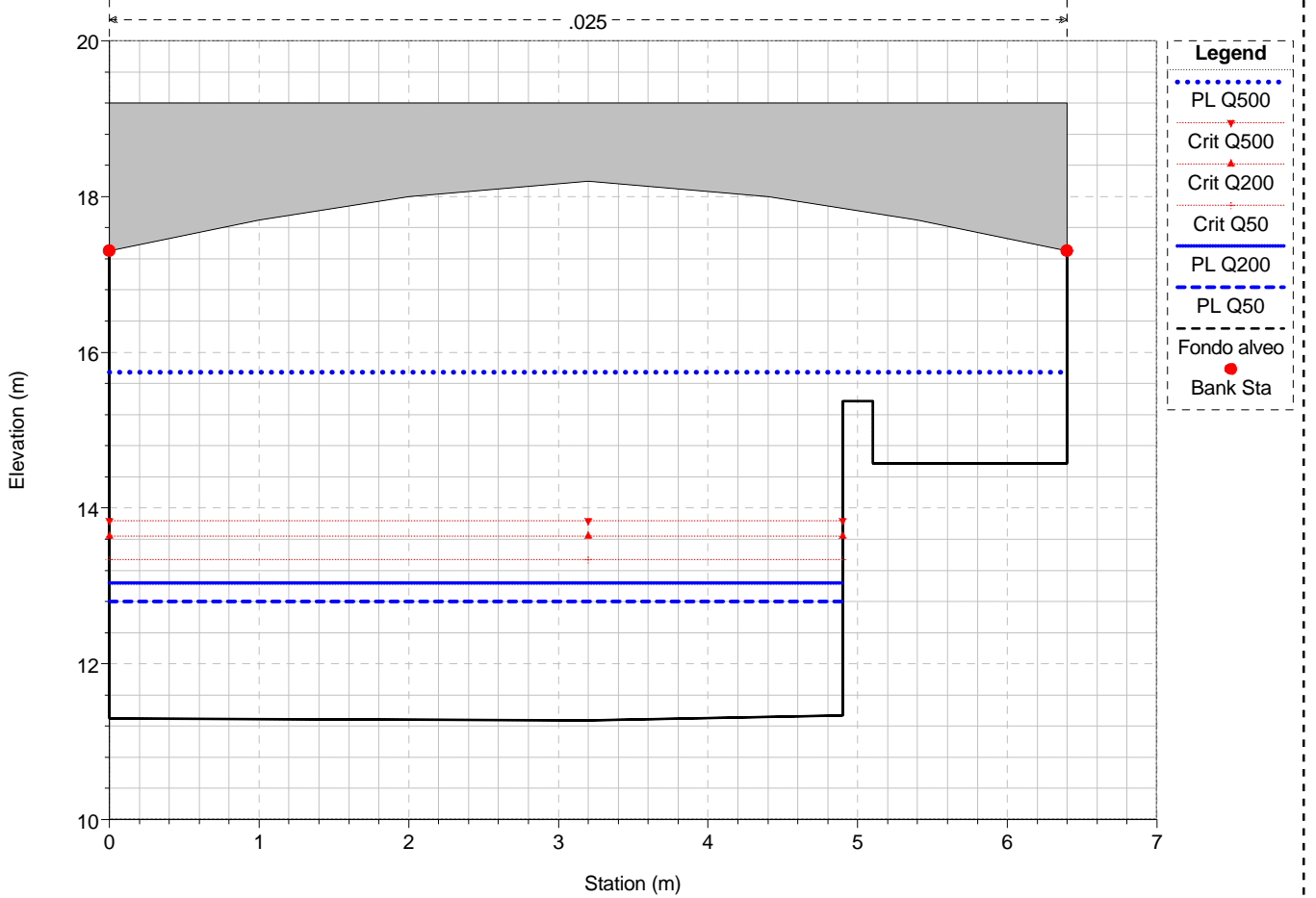
Bardi Cantagallo

River = Bardi Reach = unico BAR 7



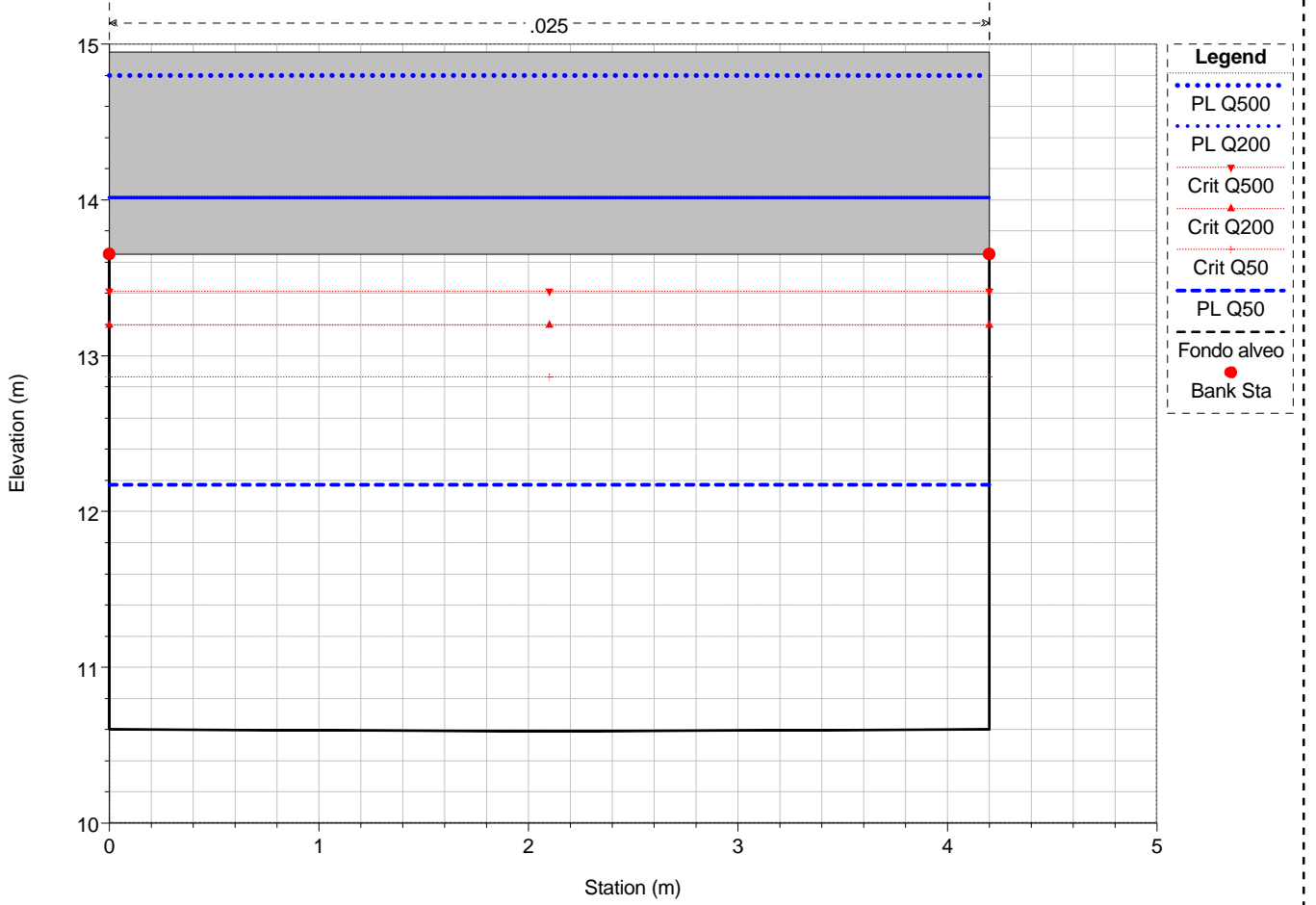
Bardi Cantagallo

River = Bardi Reach = unico BAR 6



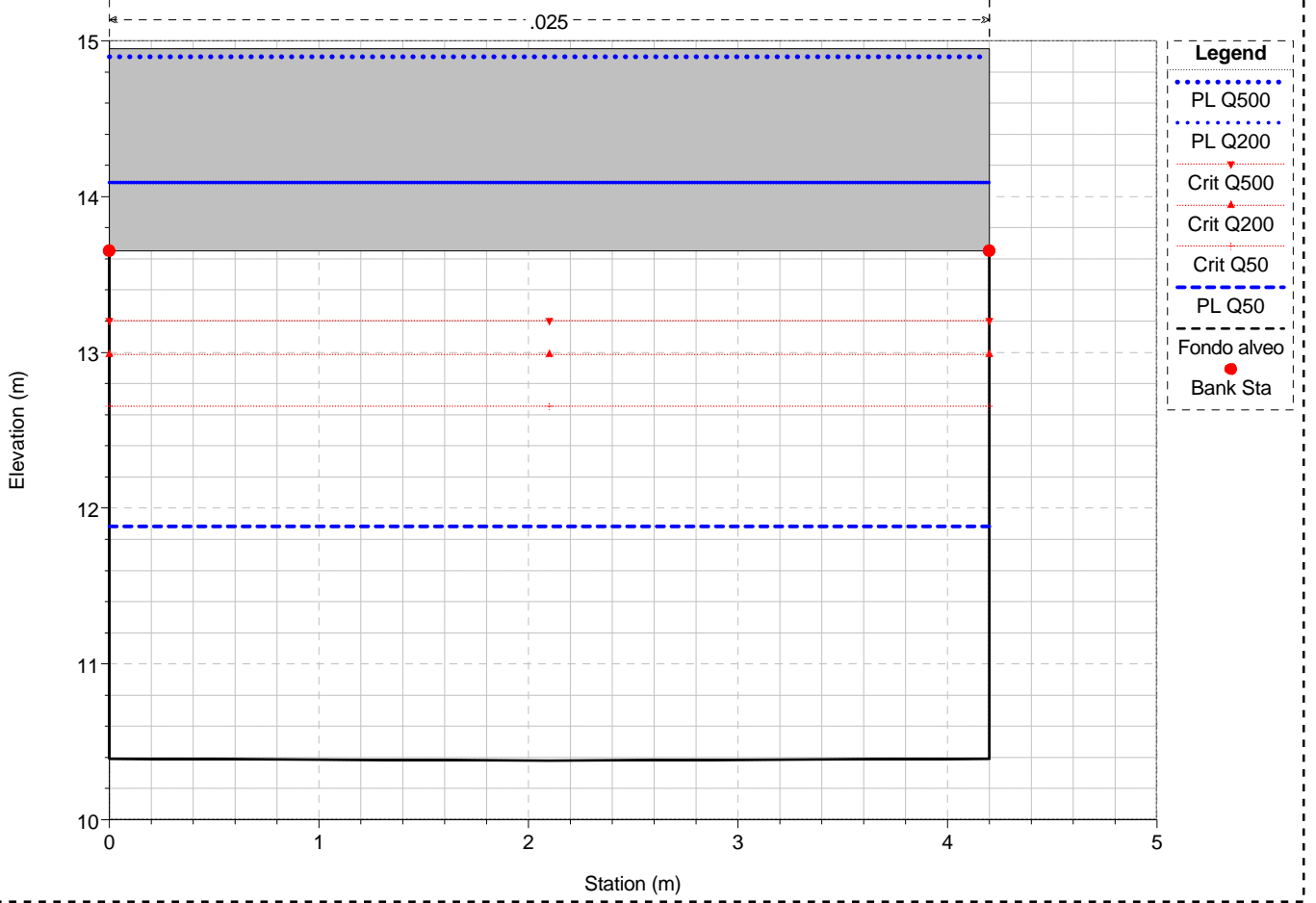
Bardi Cantagallo

River = Bardi Reach = unico BAR 5



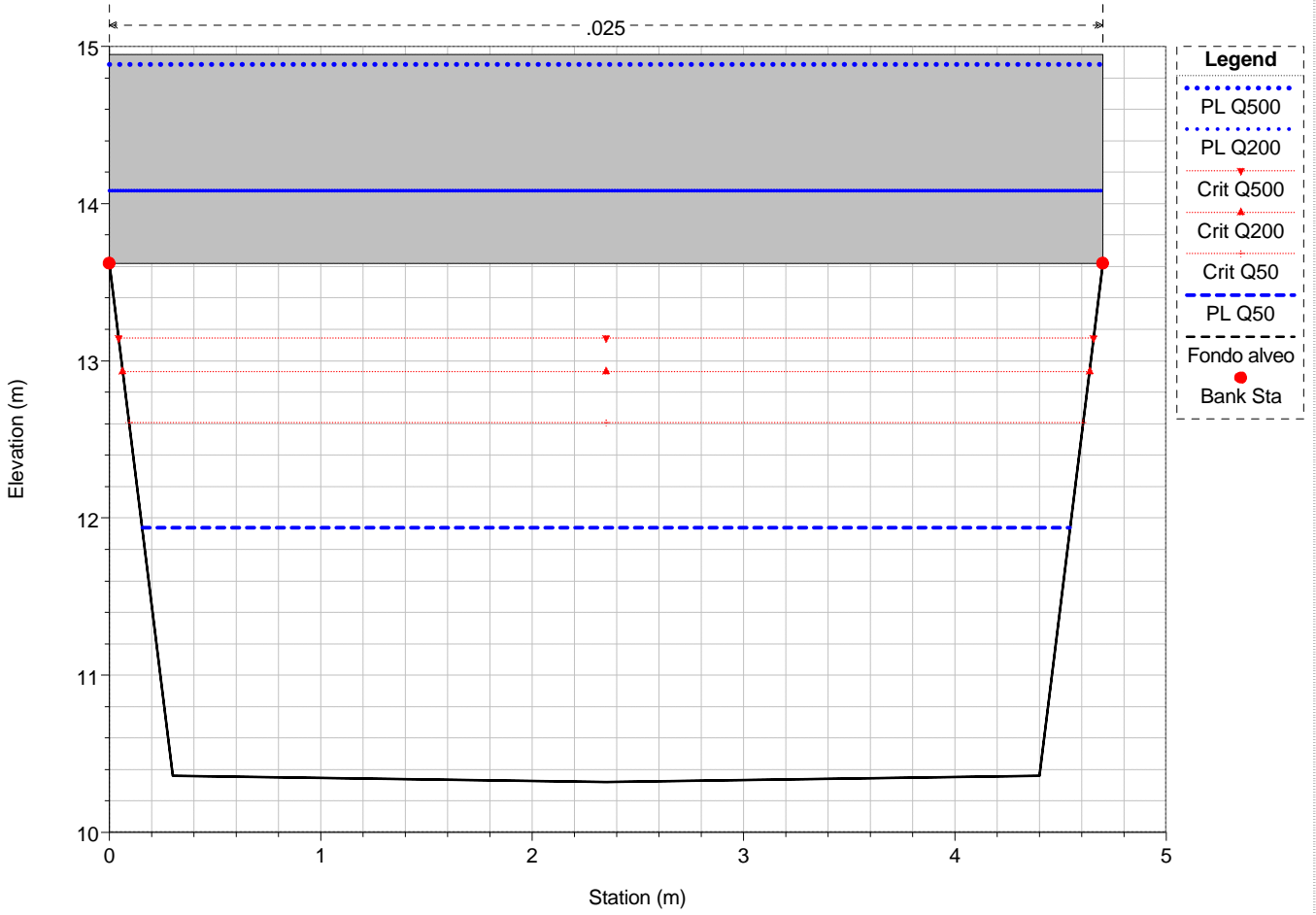
Bardi Cantagallo

River = Bardi Reach = unico BAR 5



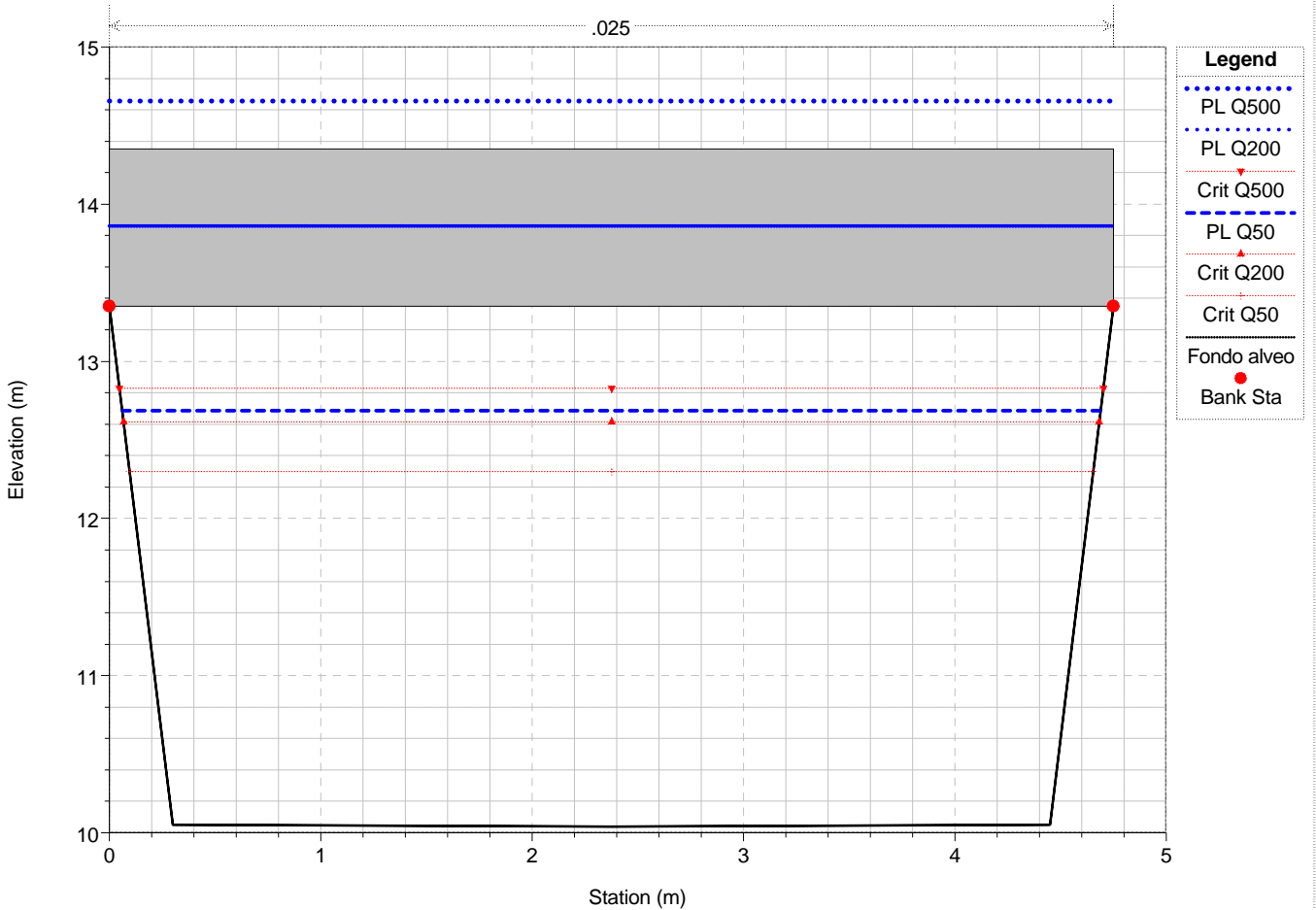
Bardi Cantagallo

River = Bardi Reach = unico BAR 4



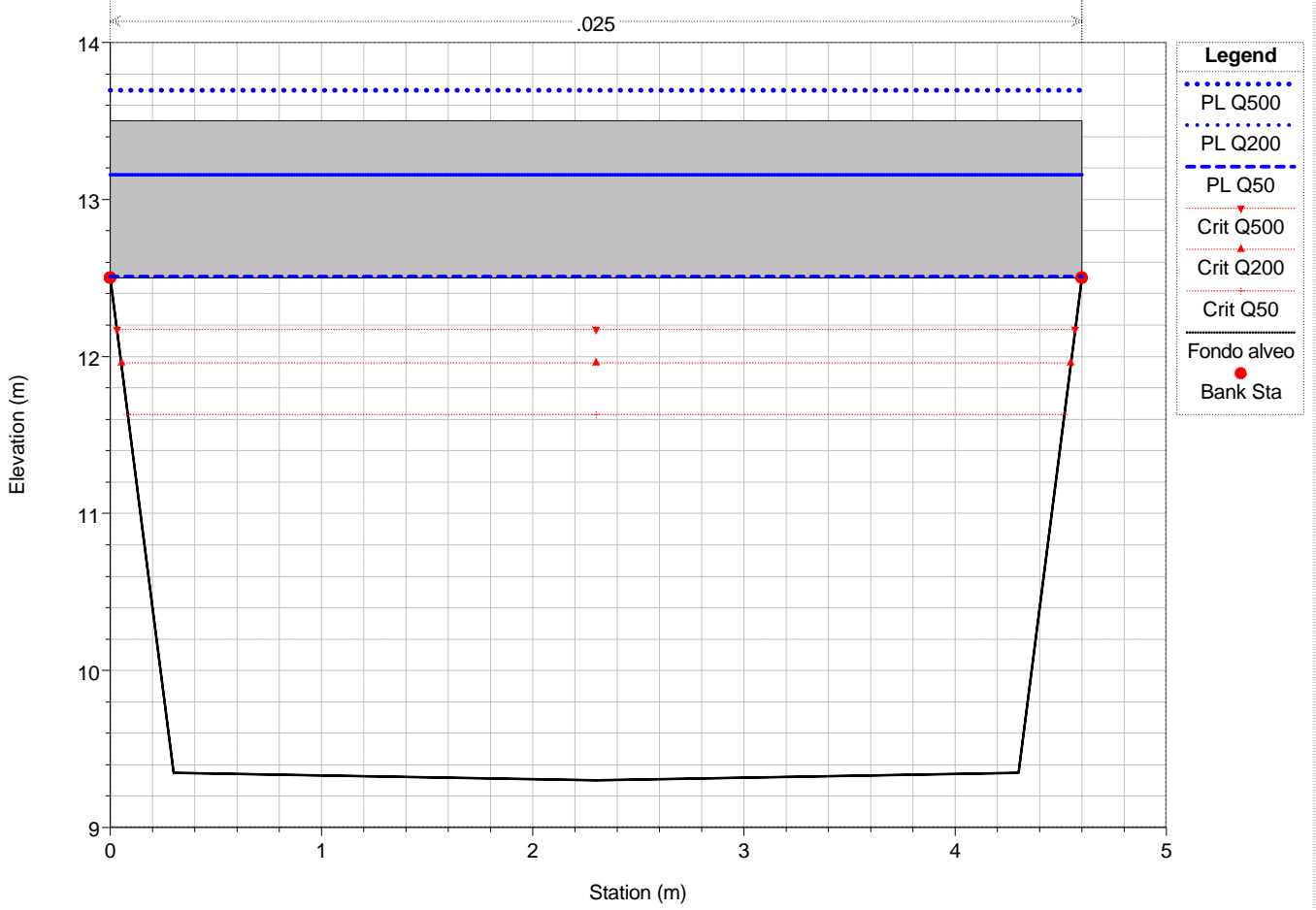
Bardi Cantagallo

River = Bardi Reach = unico BAR 3



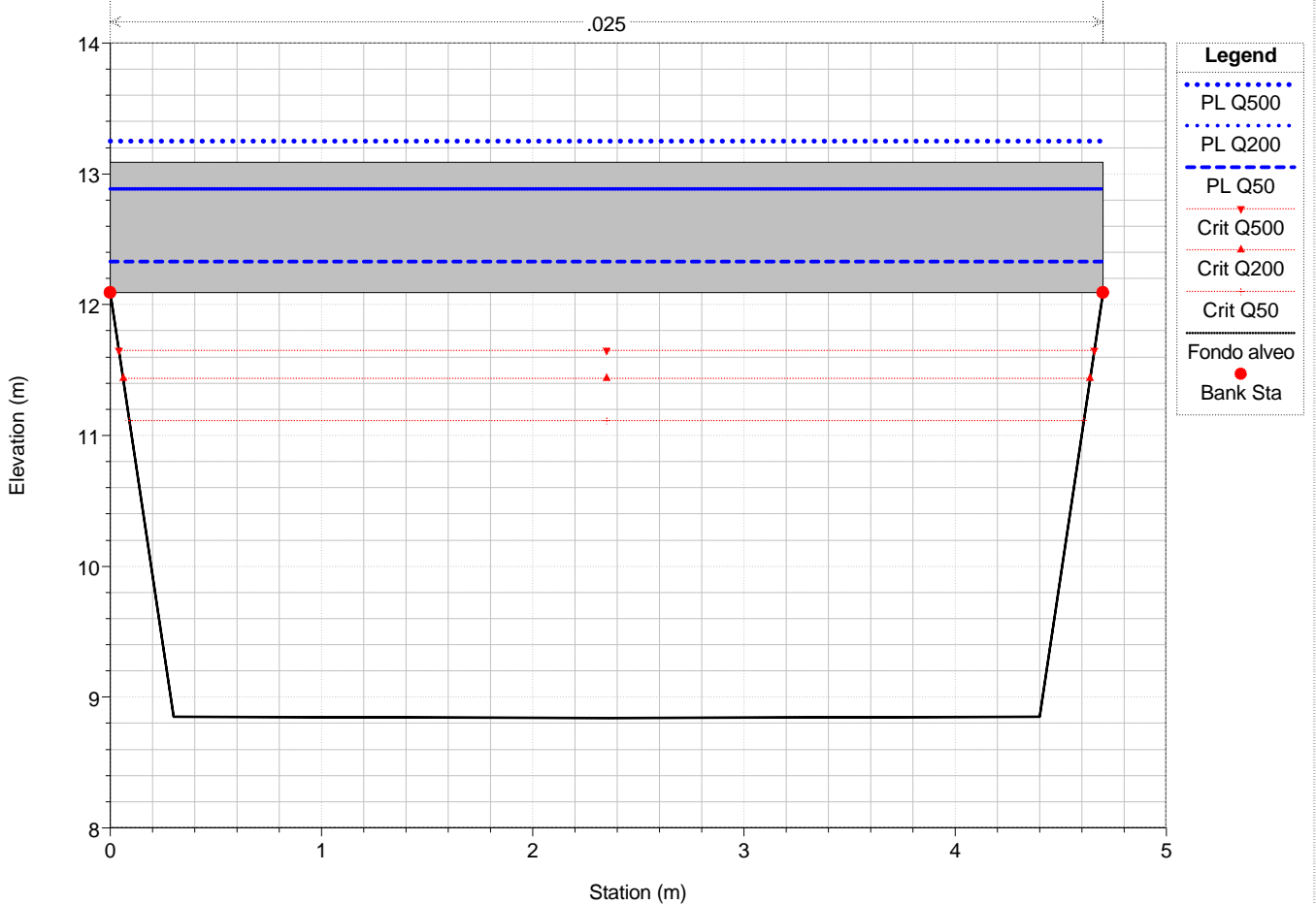
Bardi Cantagallo

River = Bardi Reach = unico BAR 2



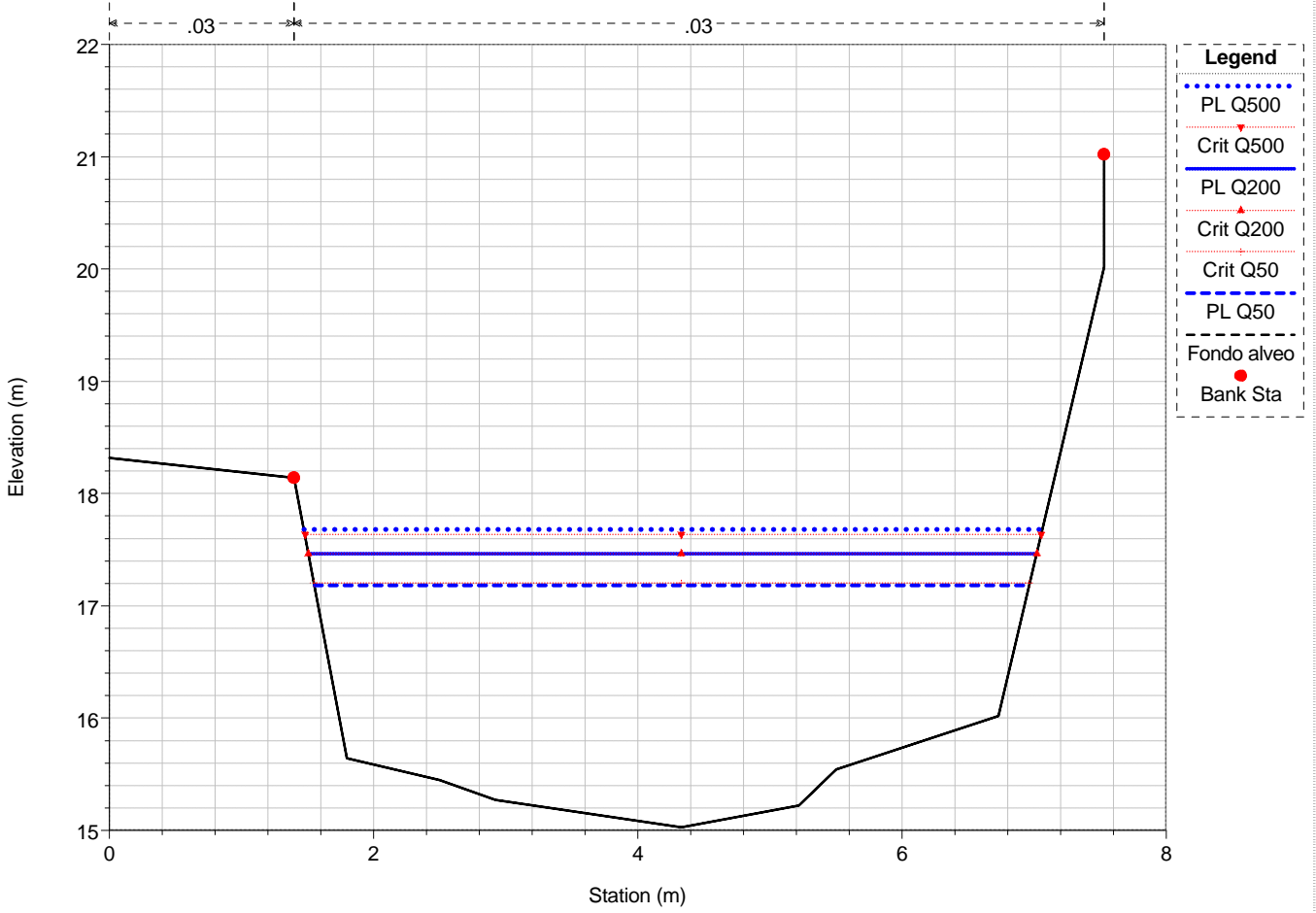
Bardi Cantagallo

River = Bardi Reach = unico BAR 1



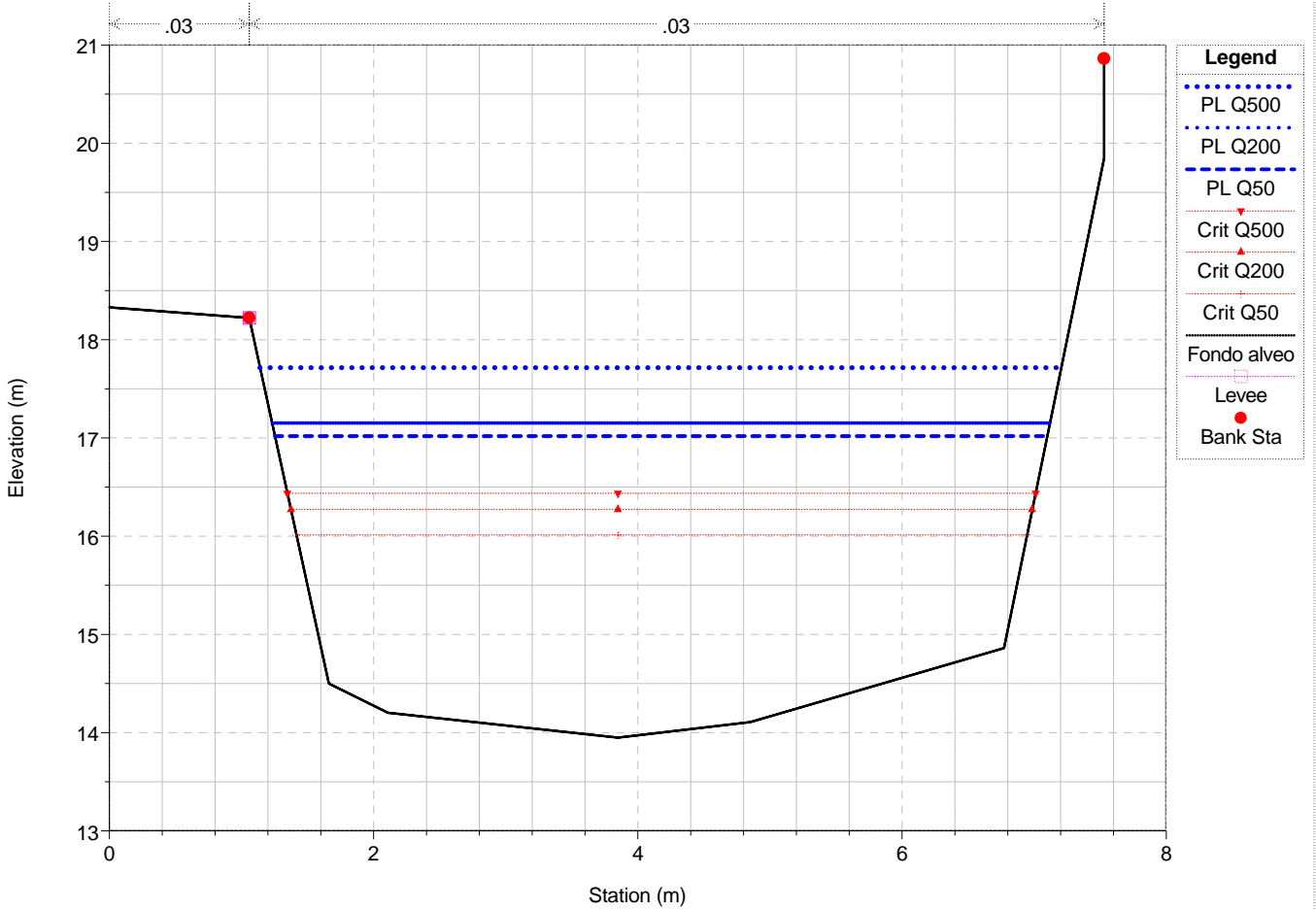
Bardi Cantagallo

River = Cantagallo Reach = monte CAN 24



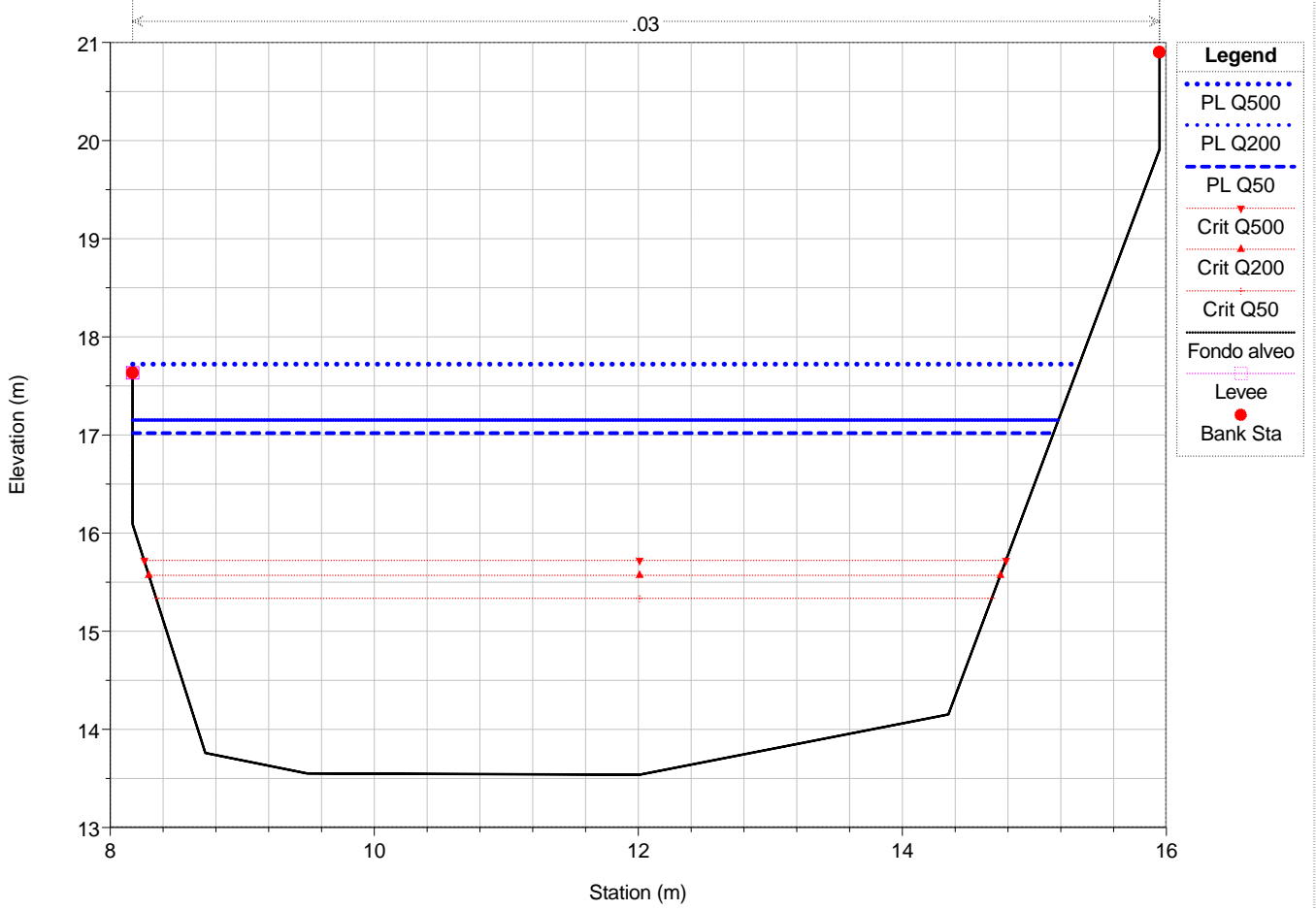
Bardi Cantagallo

River = Cantagallo Reach = monte CAN 23



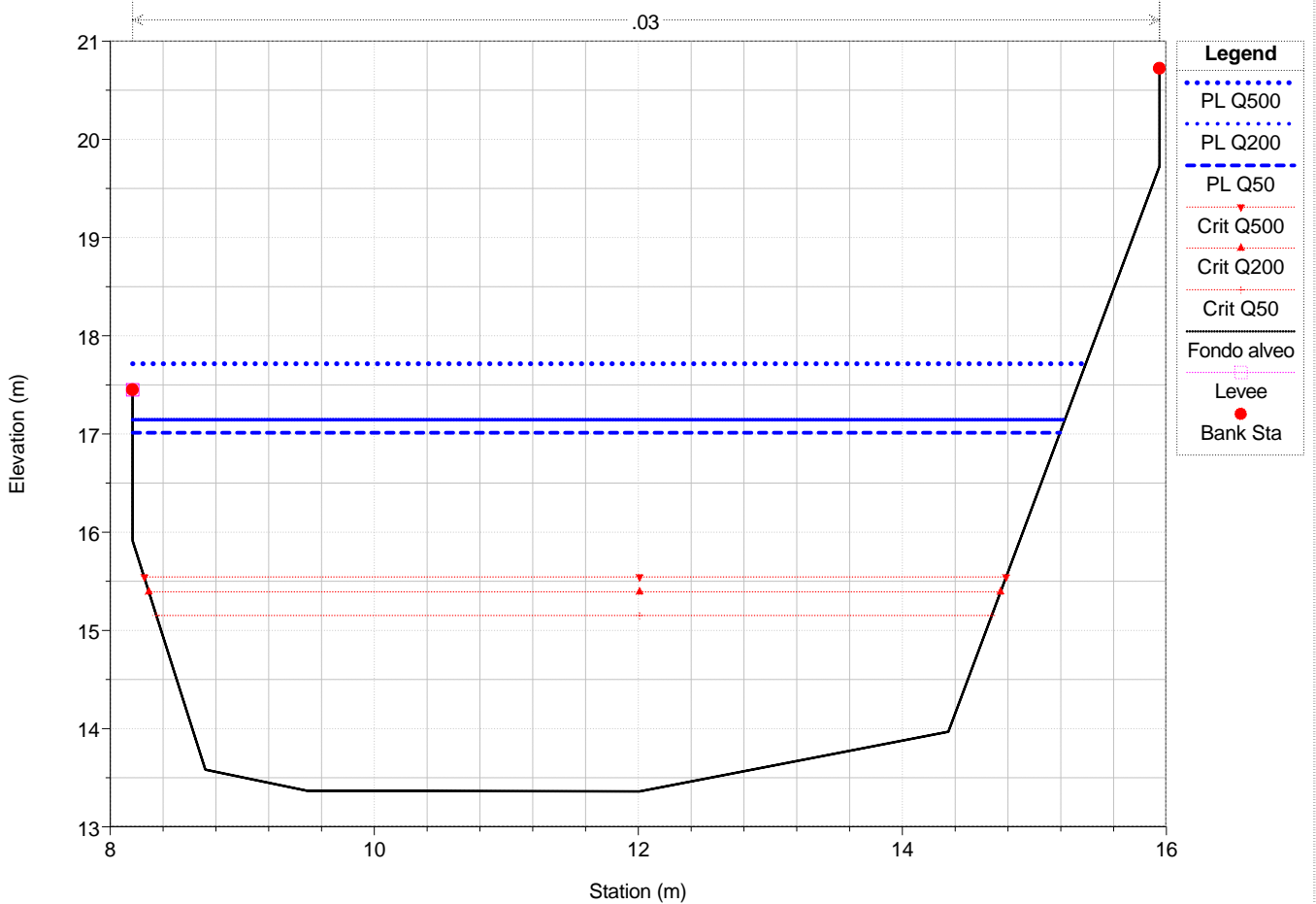
Bardi Cantagallo

River = Cantagallo Reach = monte CAN 22



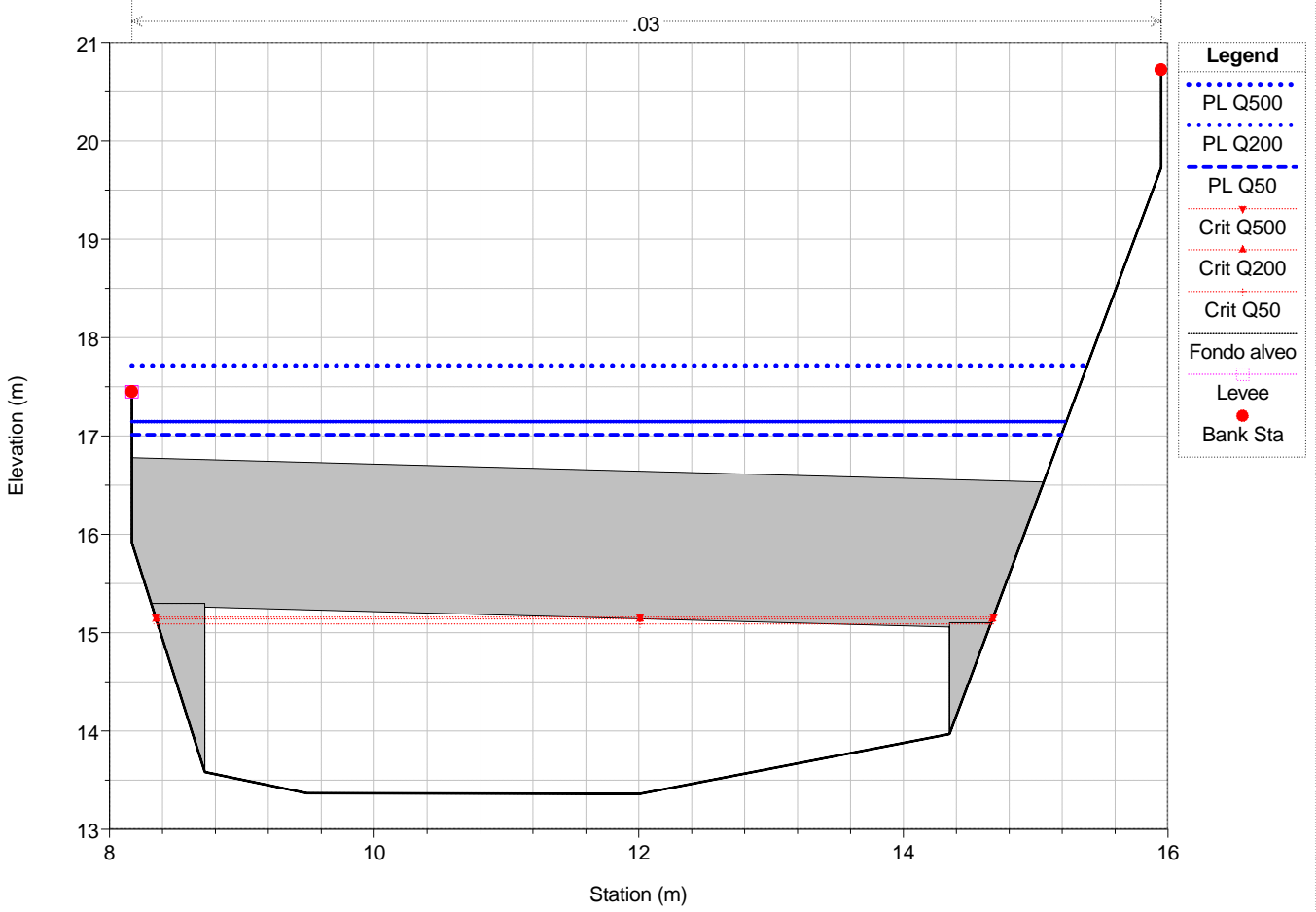
Bardi Cantagallo

River = Cantagallo Reach = monte CAN 21



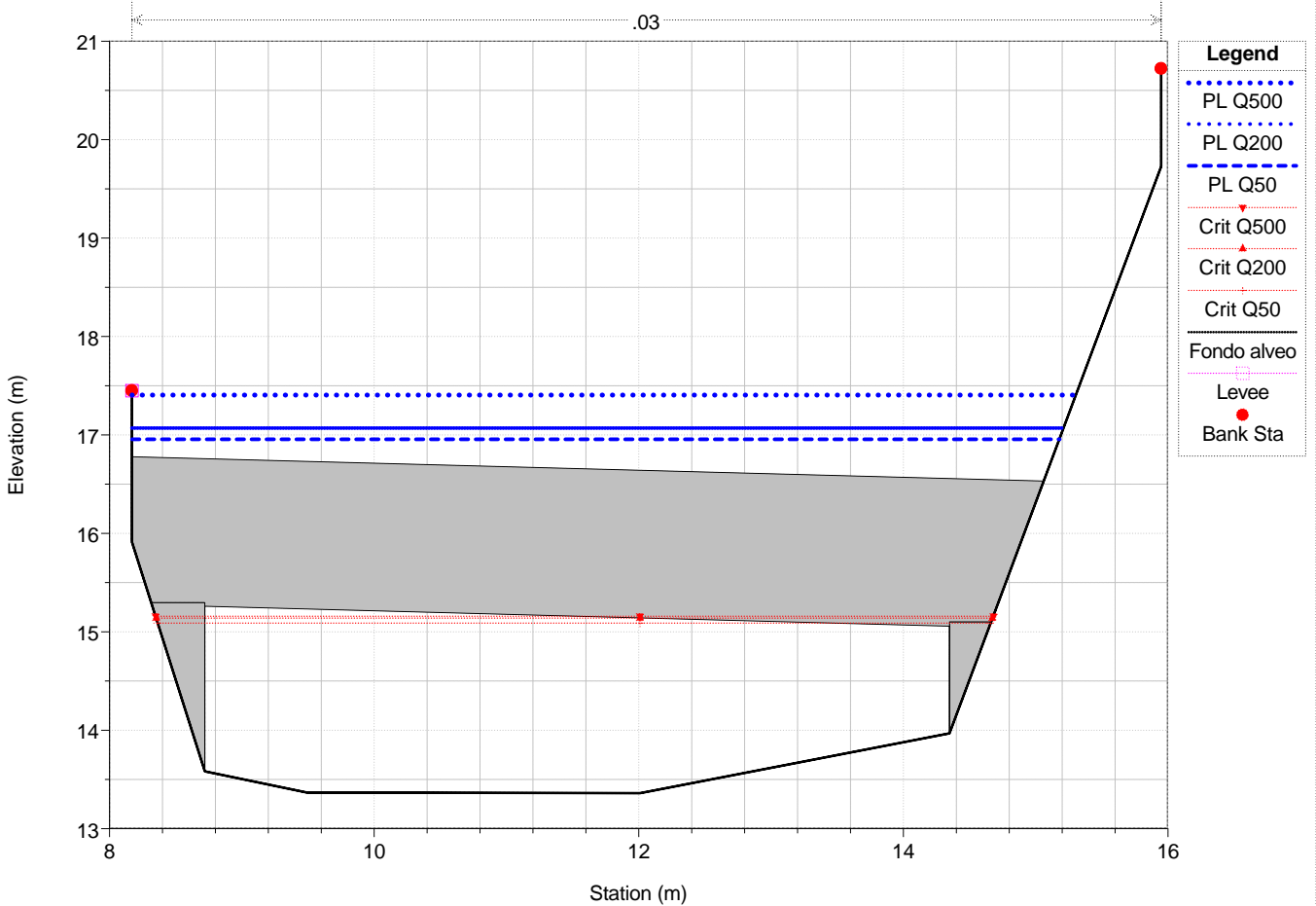
Bardi Cantagallo

River = Cantagallo Reach = monte CAN 21



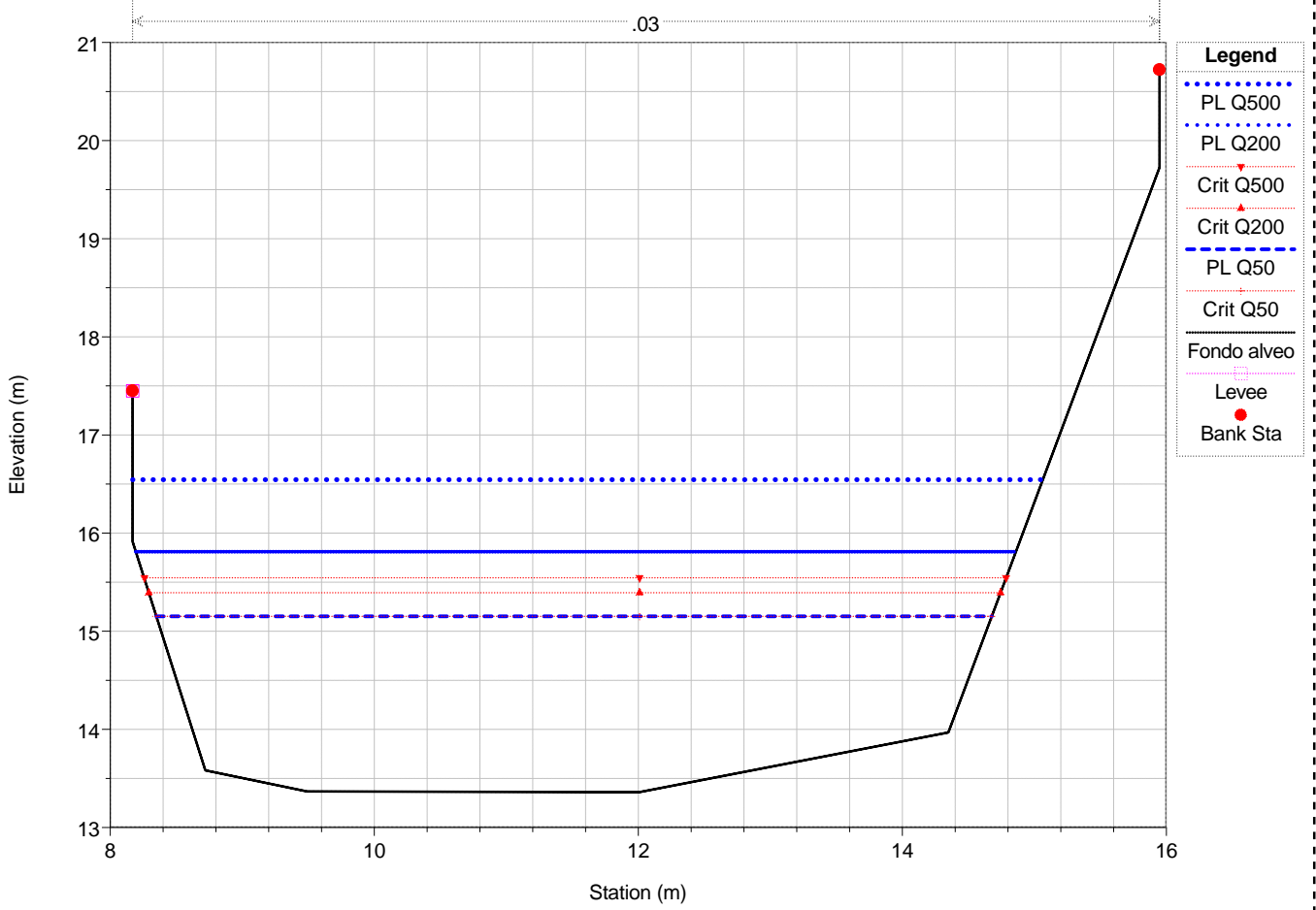
Bardi Cantagallo

River = Cantagallo Reach = monte CAN 21



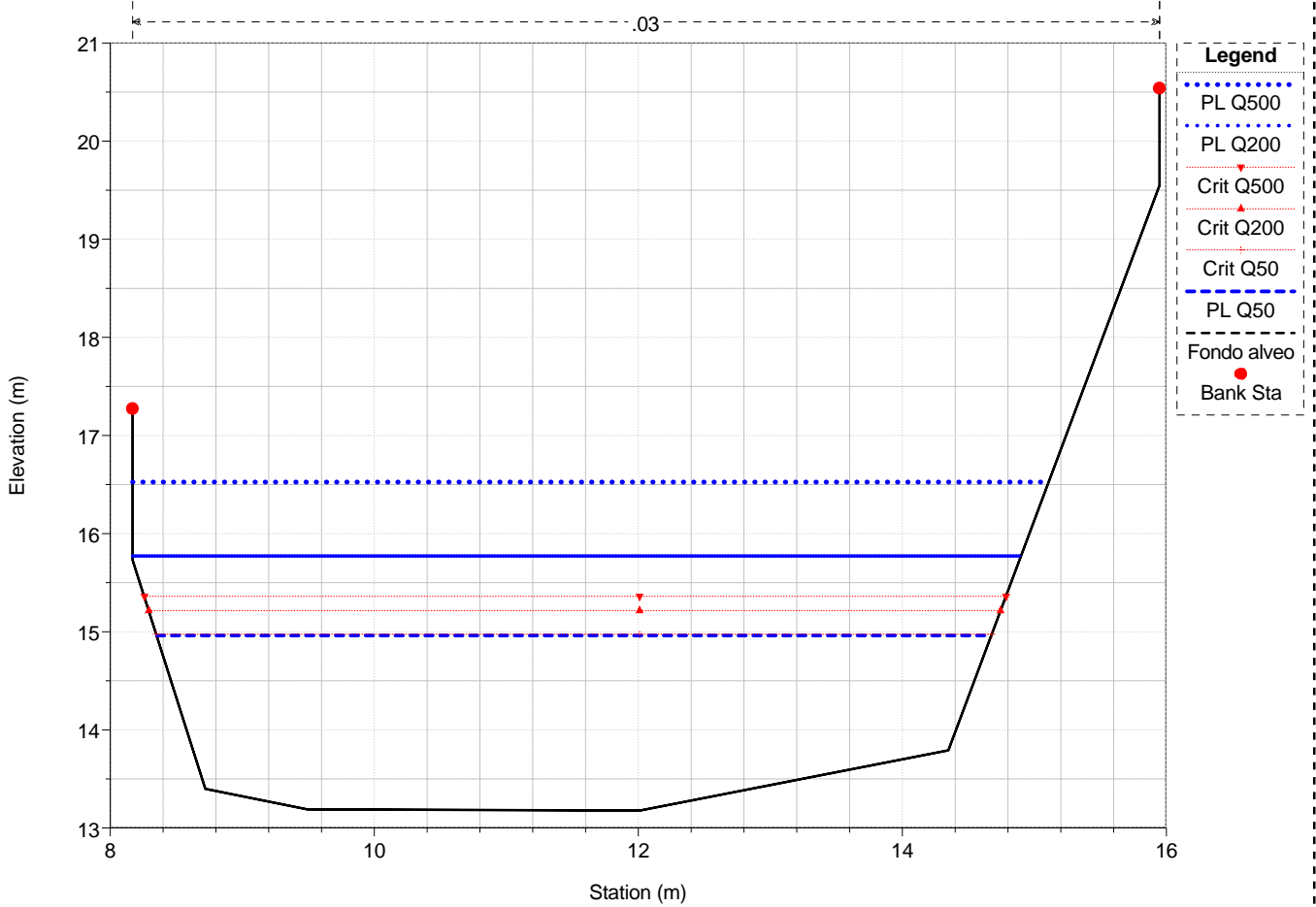
Bardi Cantagallo

River = Cantagallo Reach = monte CAN 21



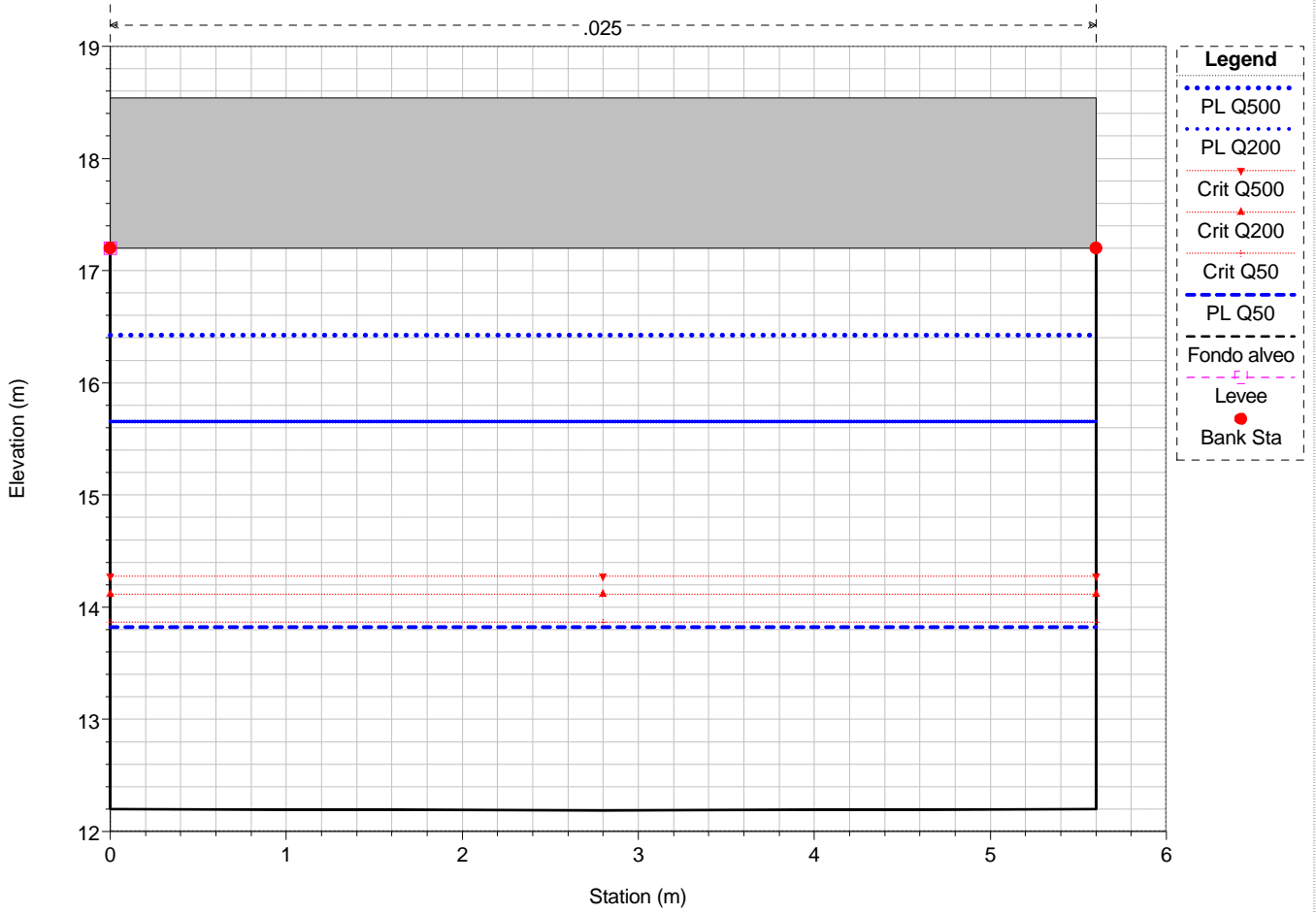
Bardi Cantagallo

River = Cantagallo Reach = monte CAN 20



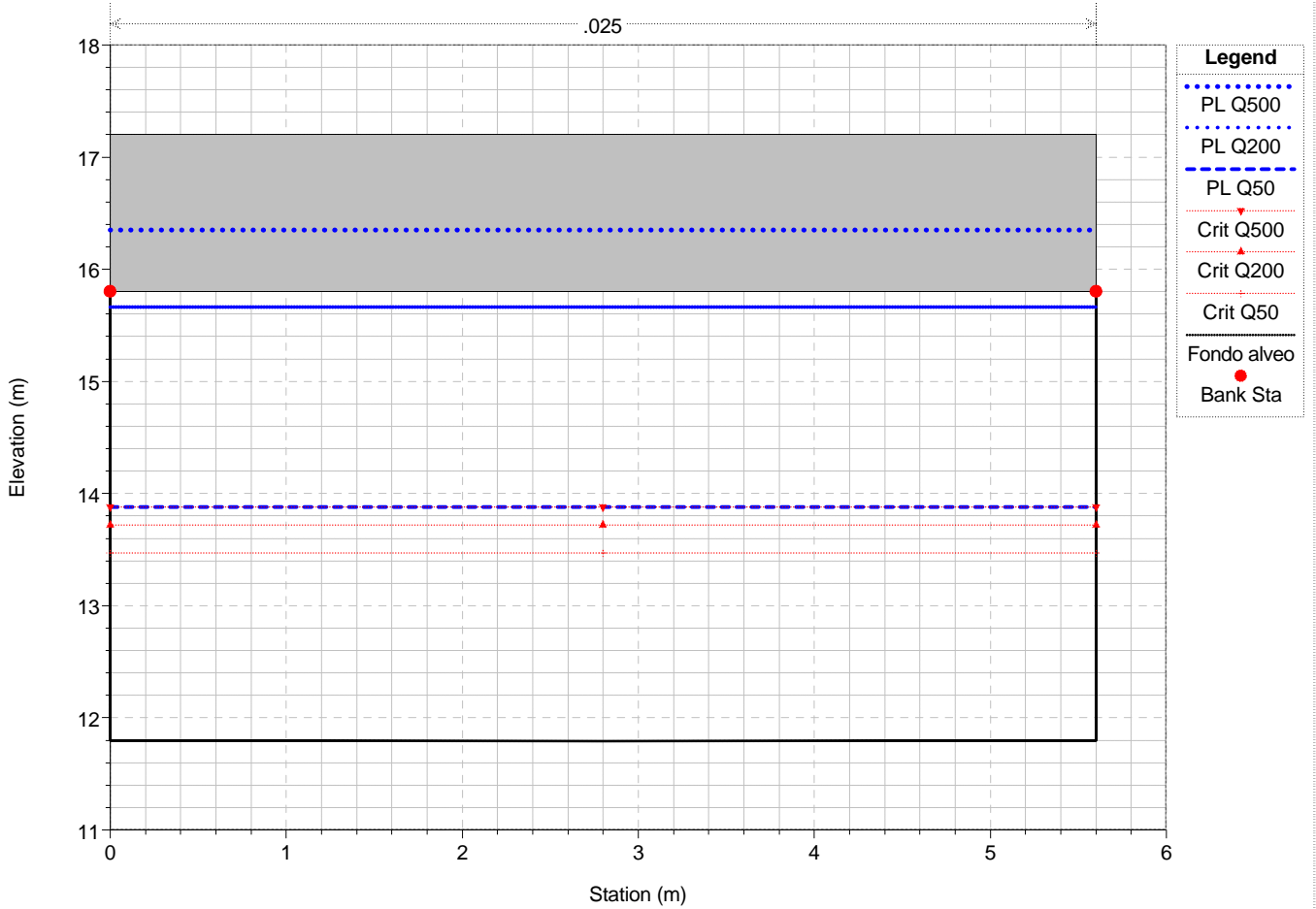
Bardi Cantagallo

River = Cantagallo Reach = monte CAN 19



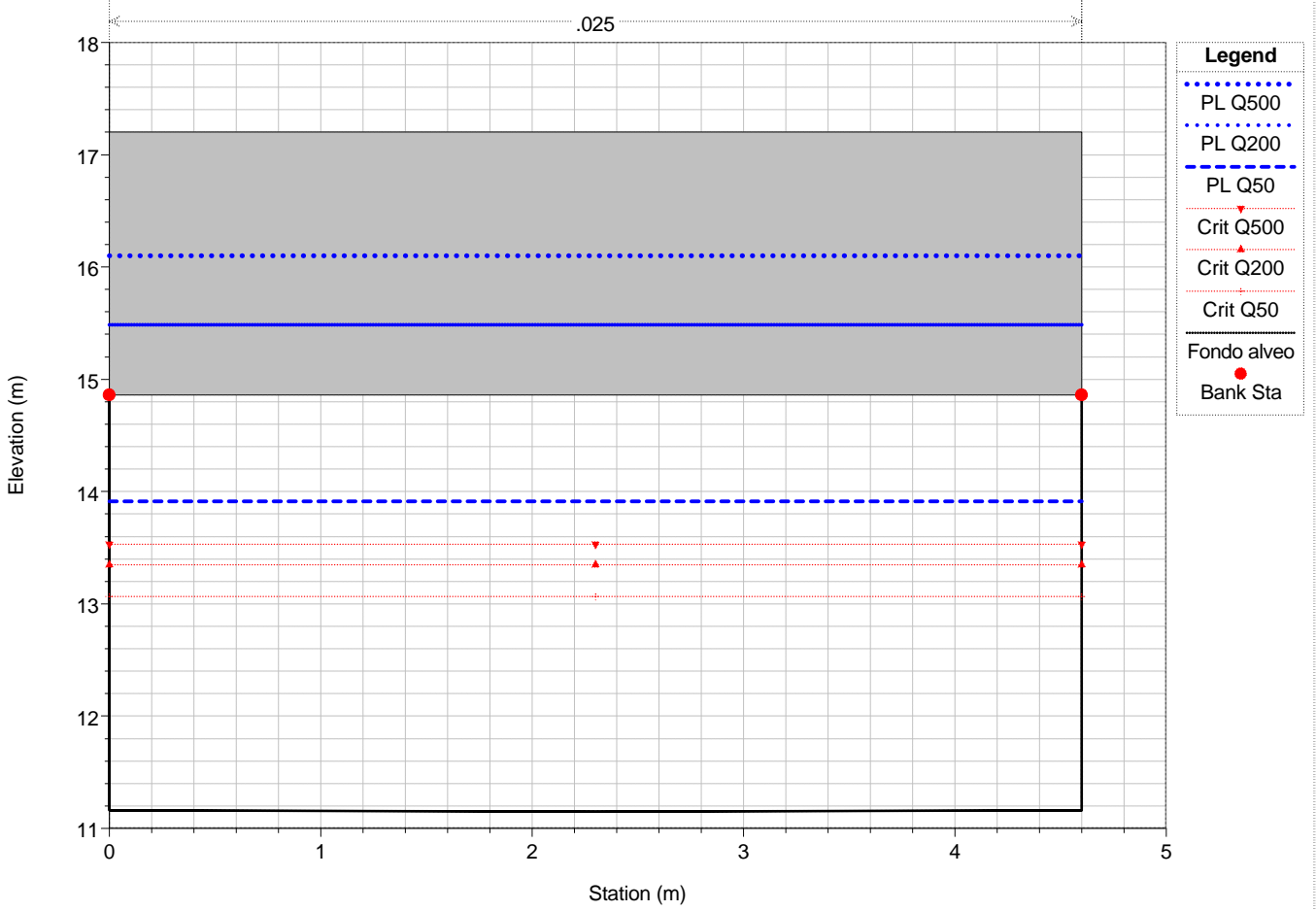
Bardi Cantagallo

River = Cantagallo Reach = monte CAN 18



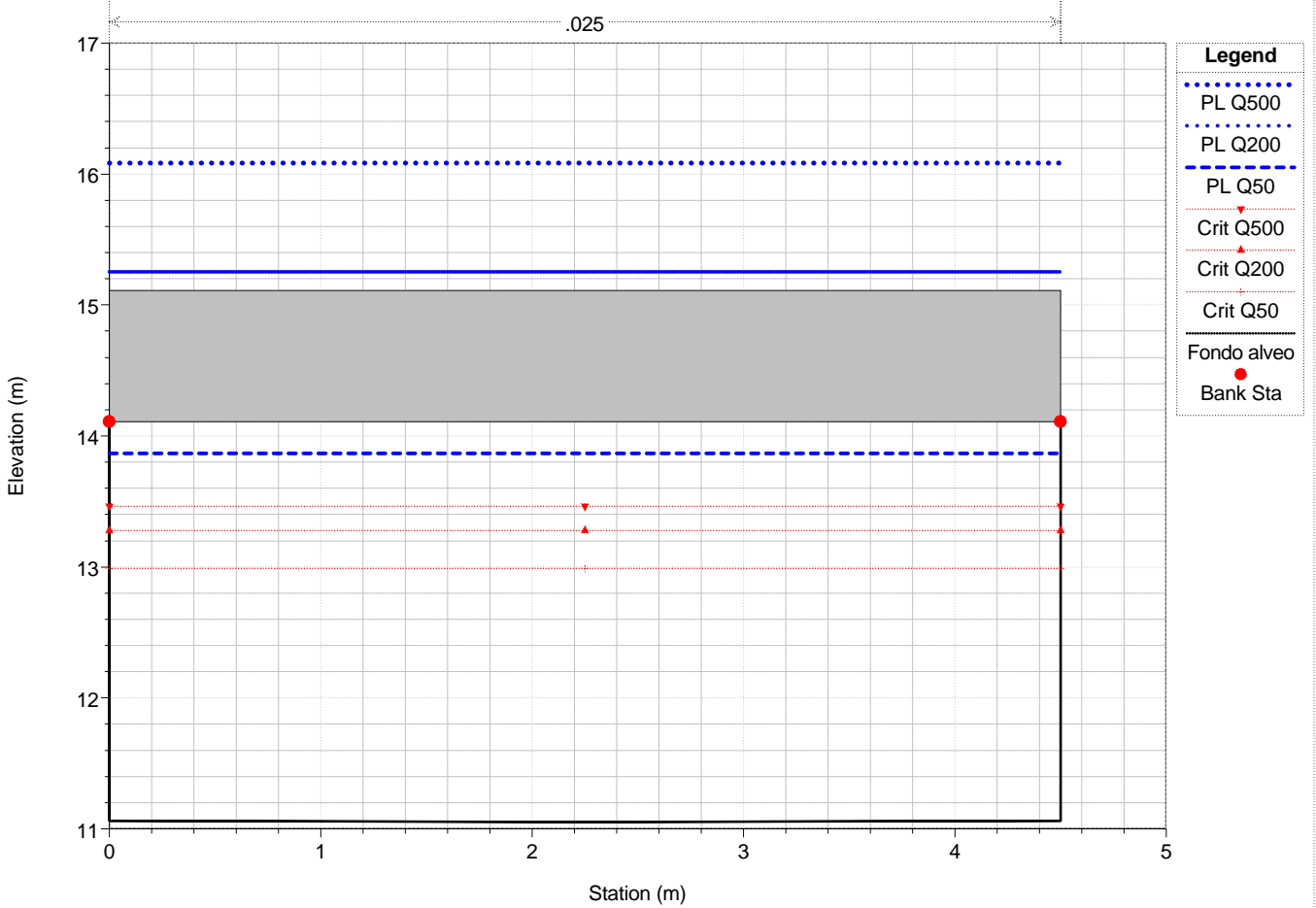
Bardi Cantagallo

River = Cantagallo Reach = monte CAN 17



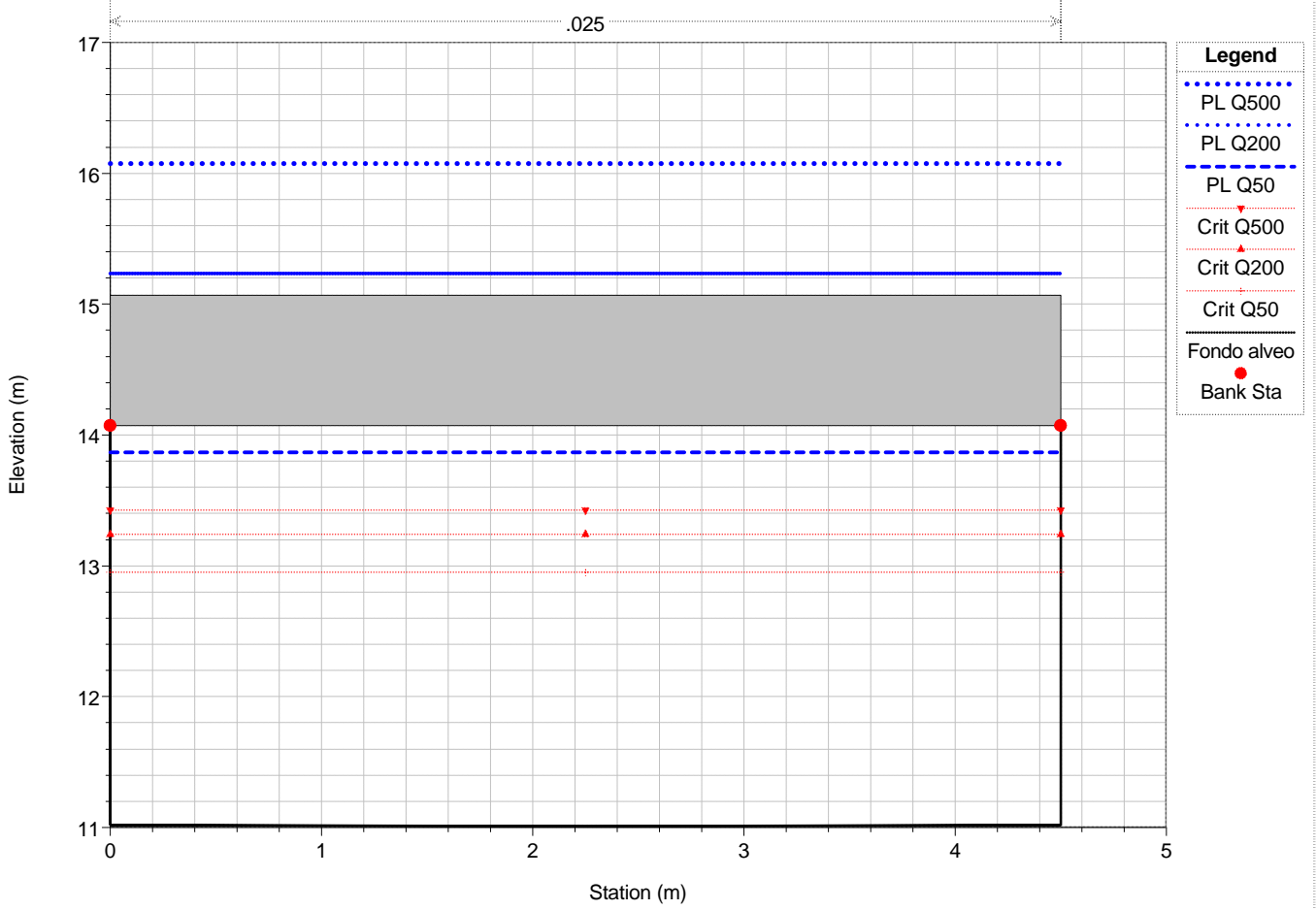
Bardi Cantagallo

River = Cantagallo Reach = monte CAN 16



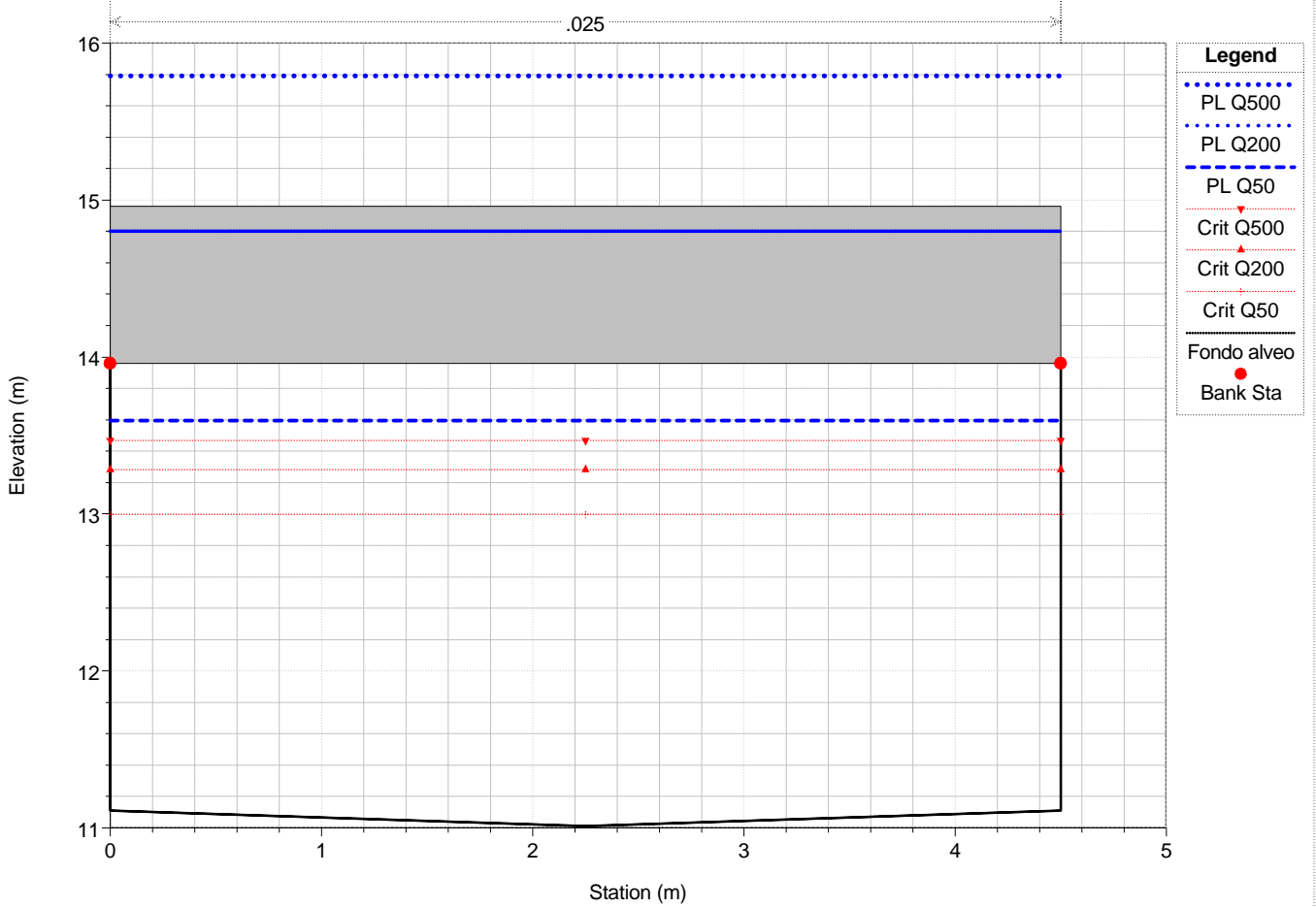
Bardi Cantagallo

River = Cantagallo Reach = monte CAN 15



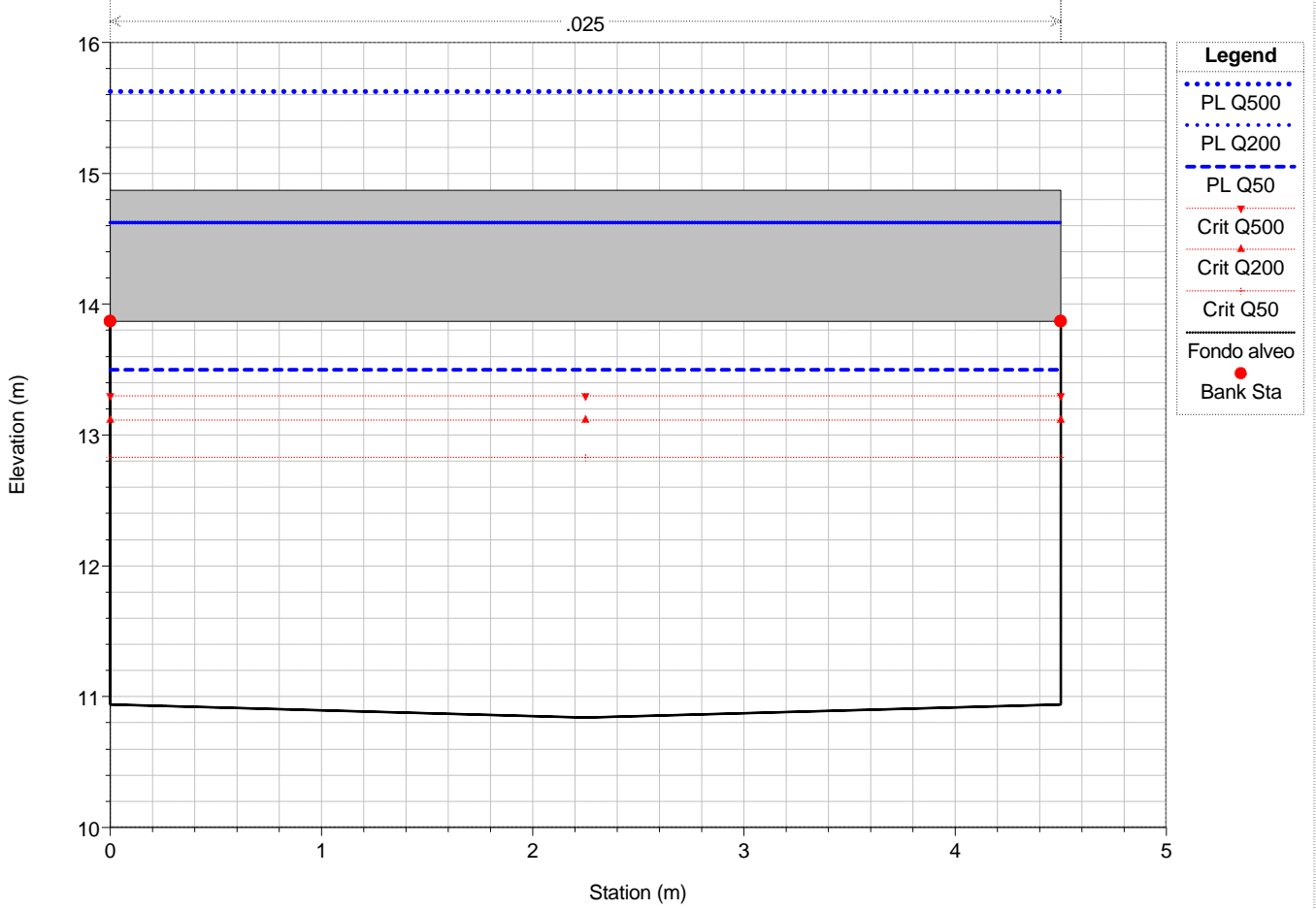
Bardi Cantagallo

River = Cantagallo Reach = monte CAN 14



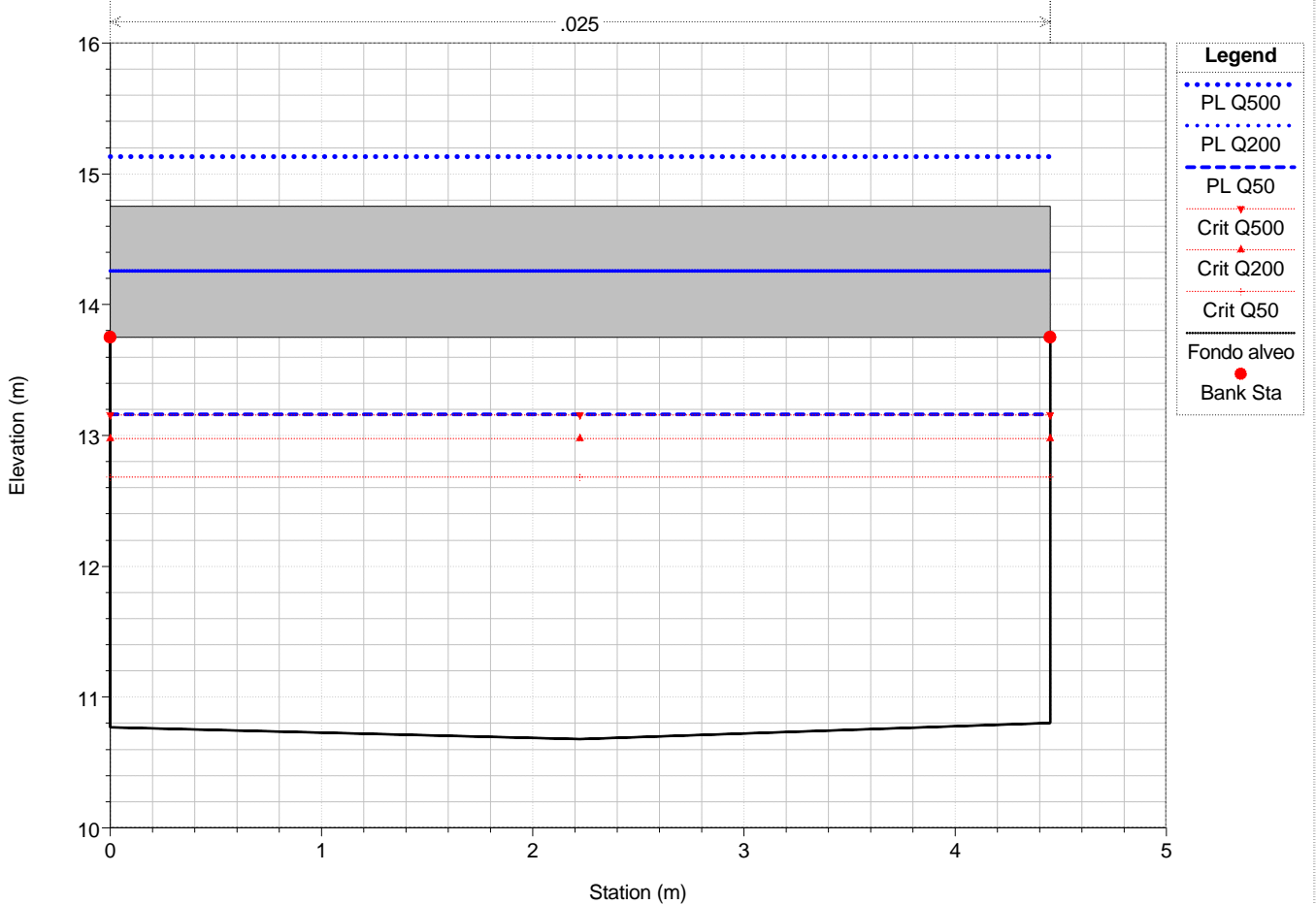
Bardi Cantagallo

River = Cantagallo Reach = monte CAN 13



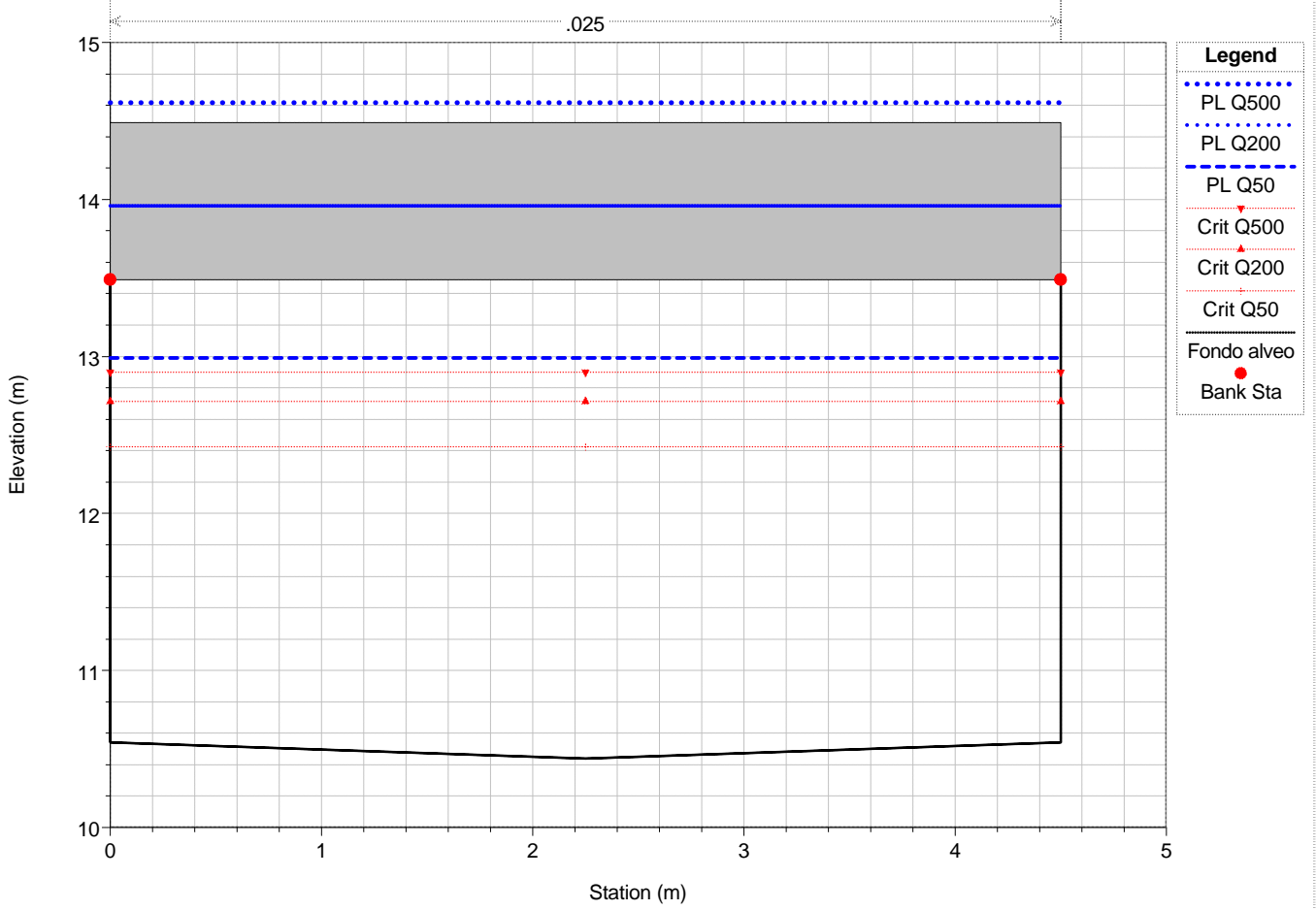
Bardi Cantagallo

River = Cantagallo Reach = monte CAN 12



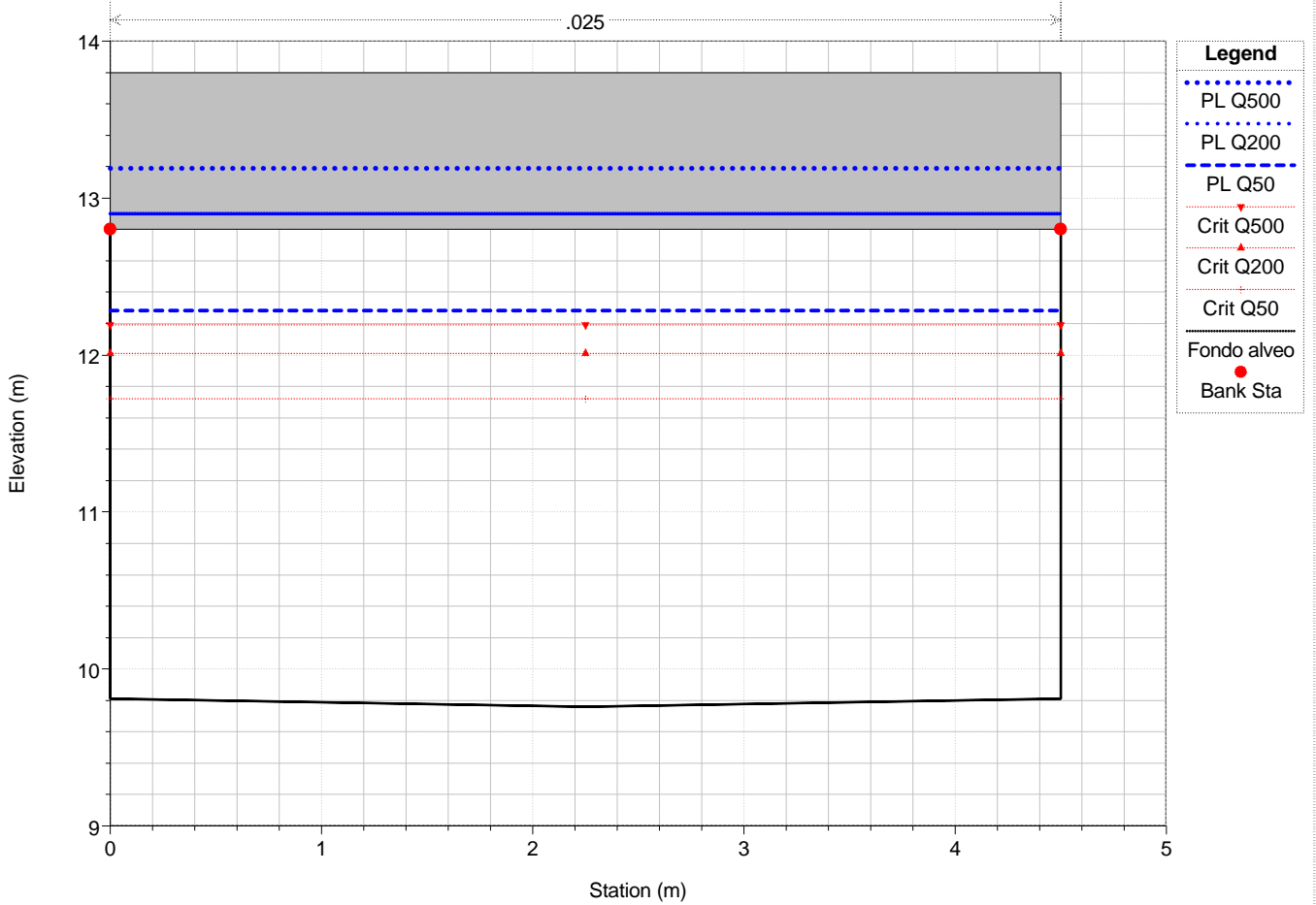
Bardi Cantagallo

River = Cantagallo Reach = monte CAN 11



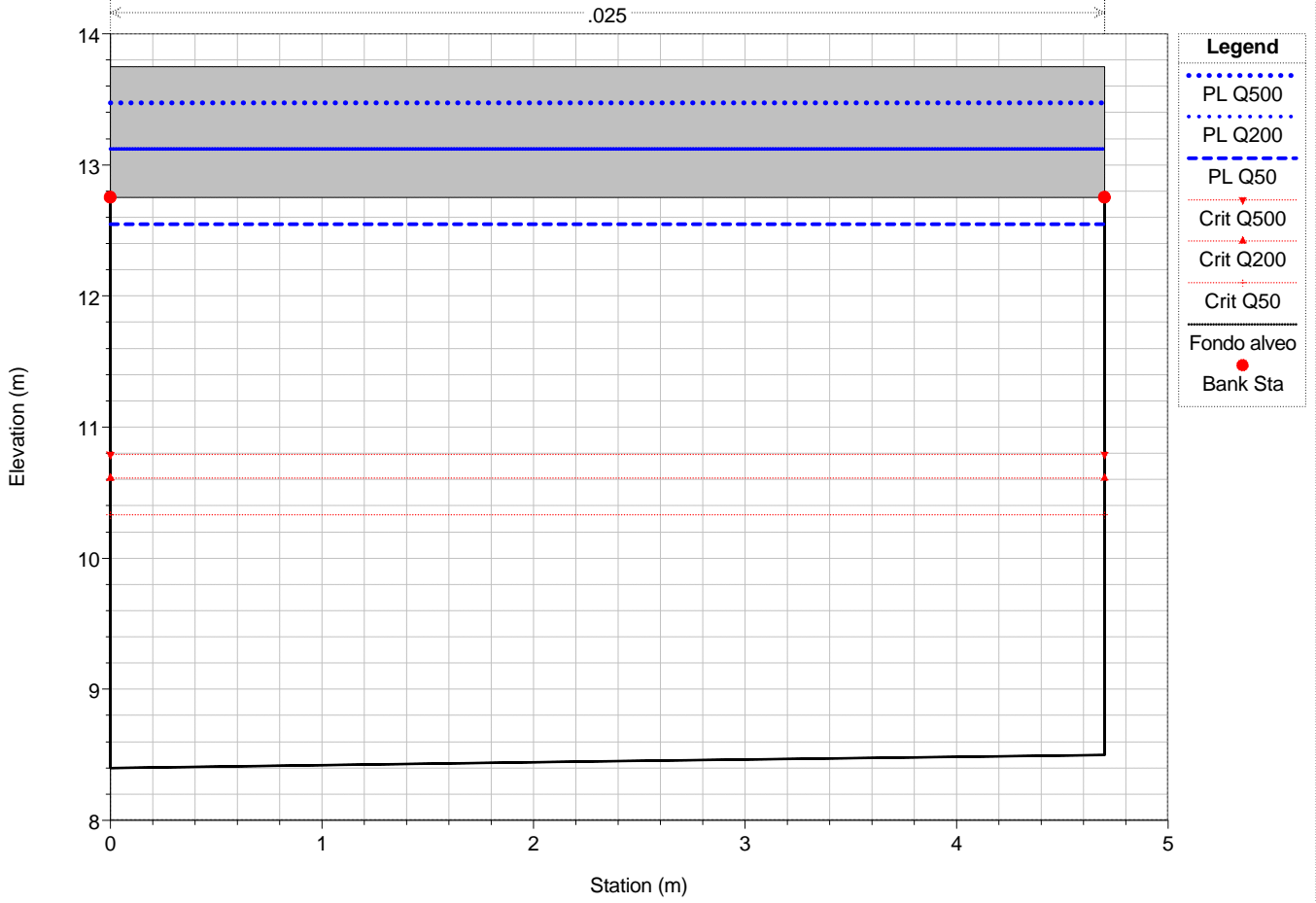
Bardi Cantagallo

River = Cantagallo Reach = monte CAN 10



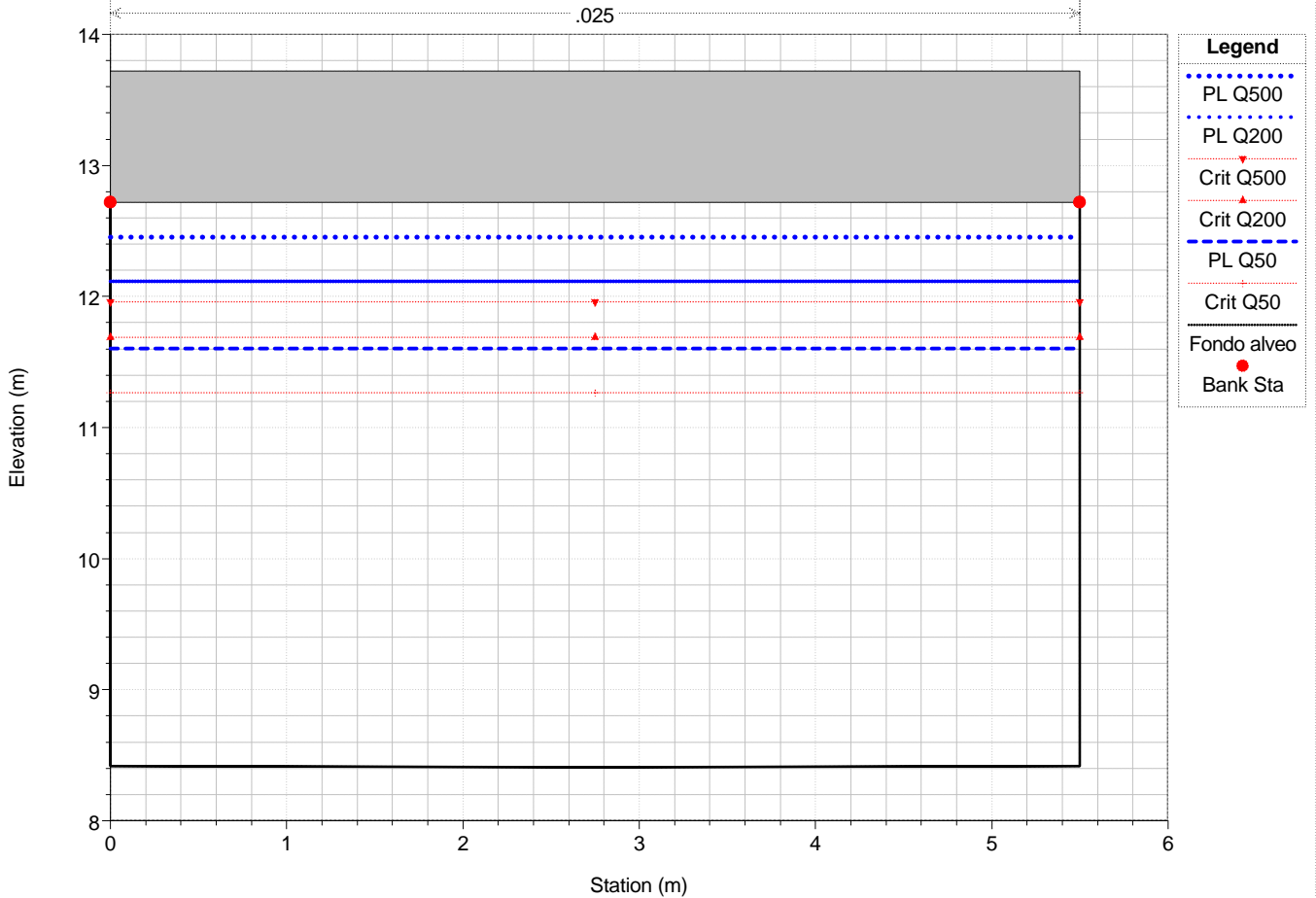
Bardi Cantagallo

River = Cantagallo Reach = monte CAN 9



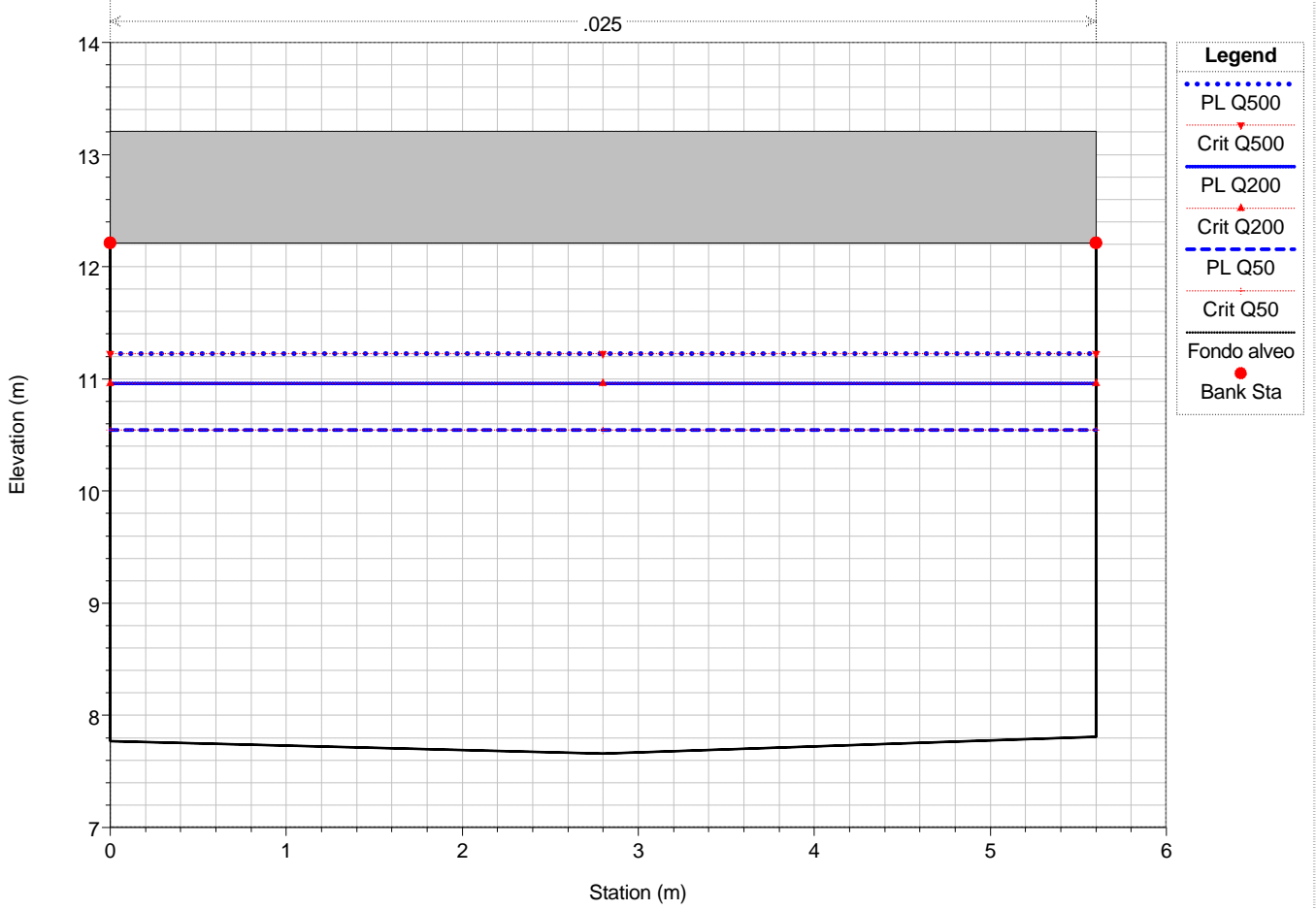
Bardi Cantagallo

River = Cantagallo Reach = valle CAN 8



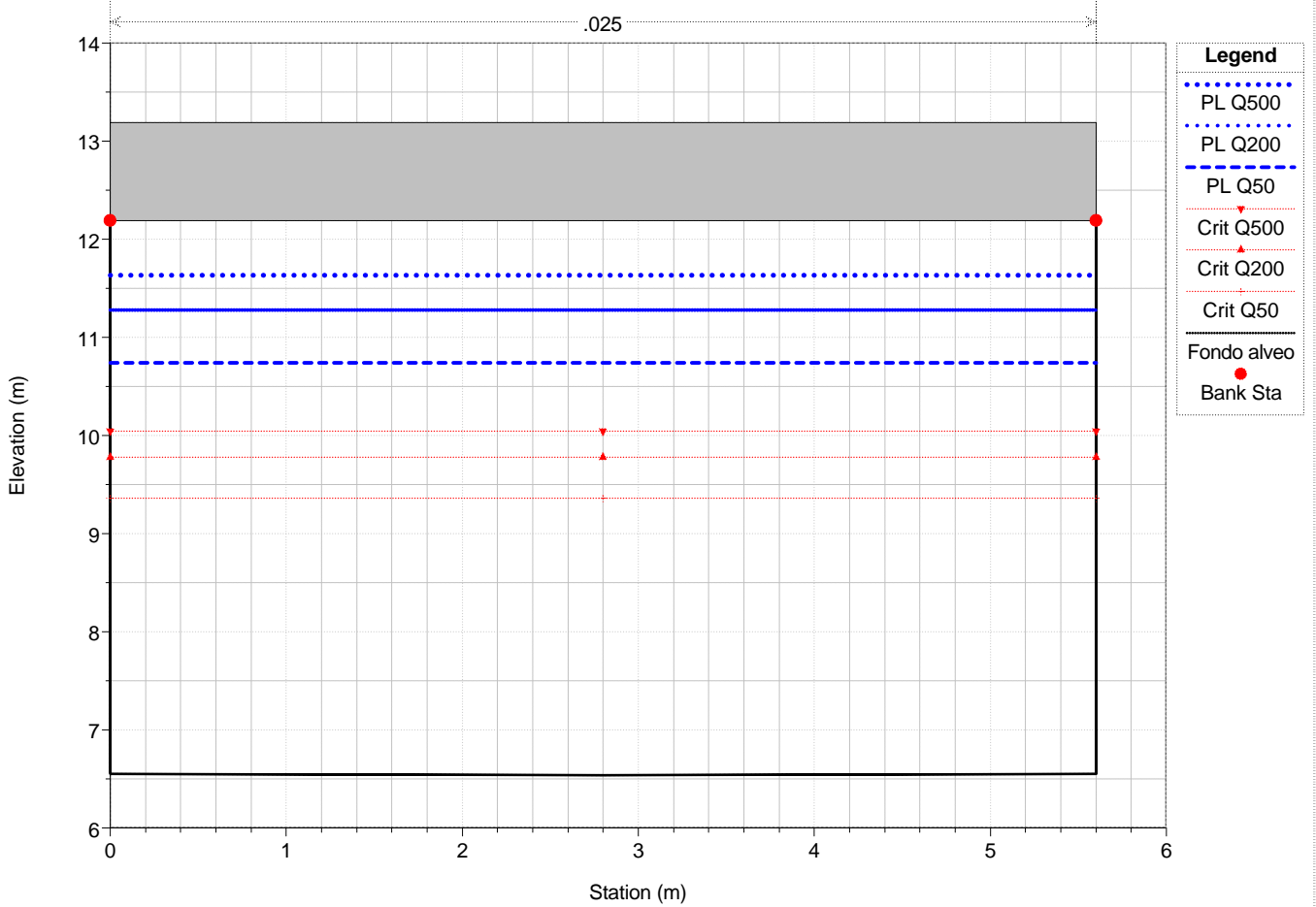
Bardi Cantagallo

River = Cantagallo Reach = valle CAN 7



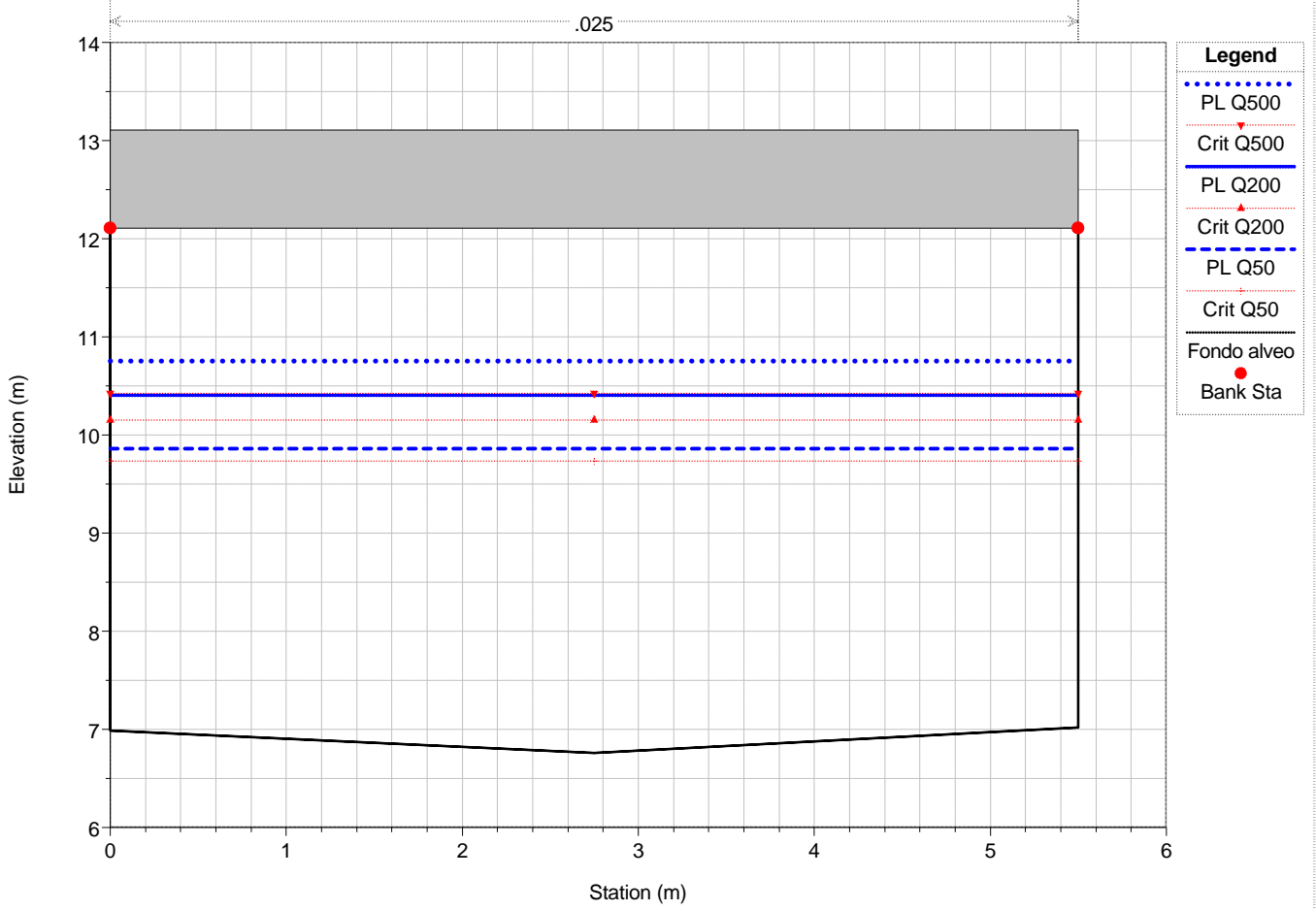
Bardi Cantagallo

River = Cantagallo Reach = valle CAN 6



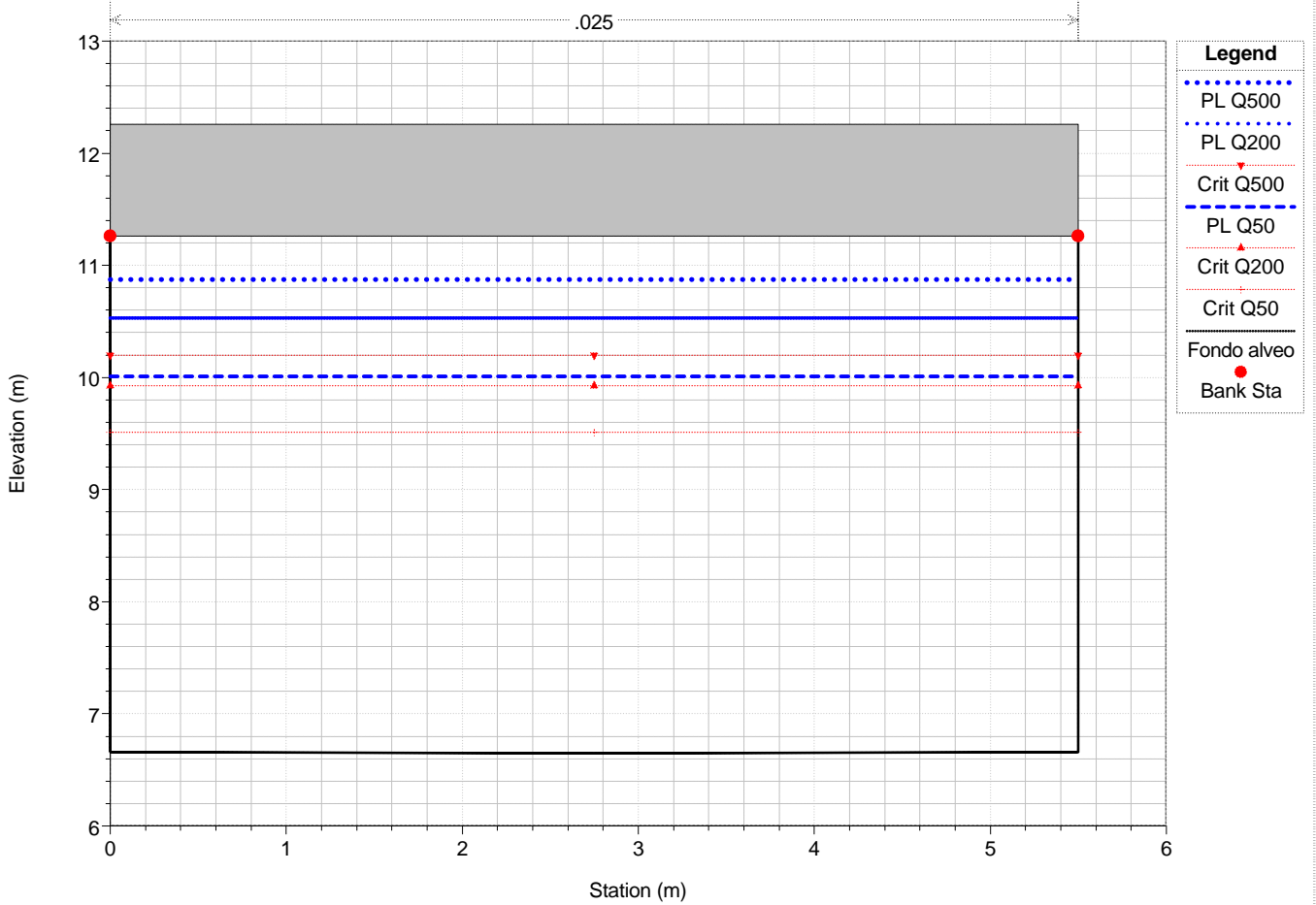
Bardi Cantagallo

River = Cantagallo Reach = valle CAN 5



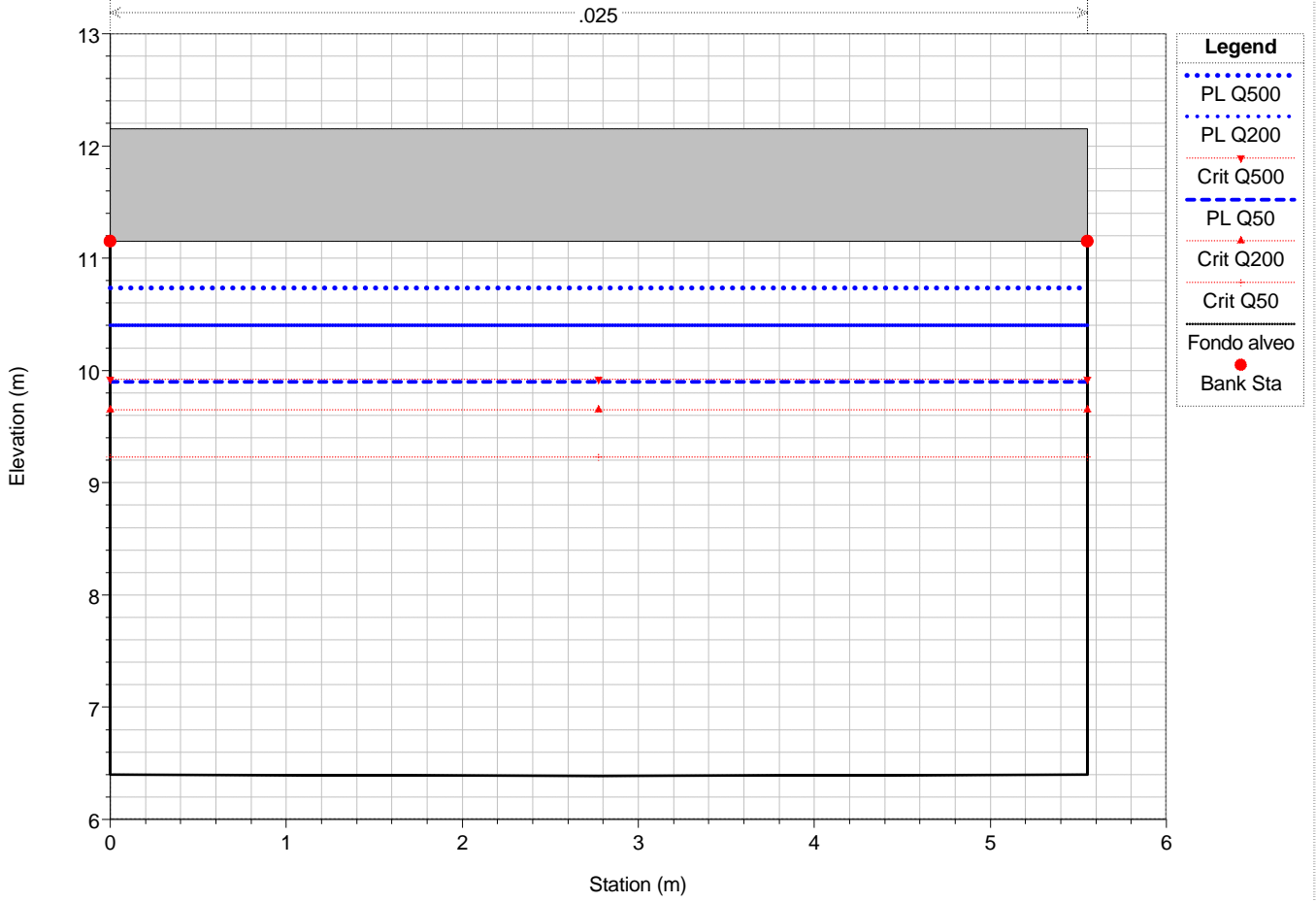
Bardi Cantagallo

River = Cantagallo Reach = valle CAN 4



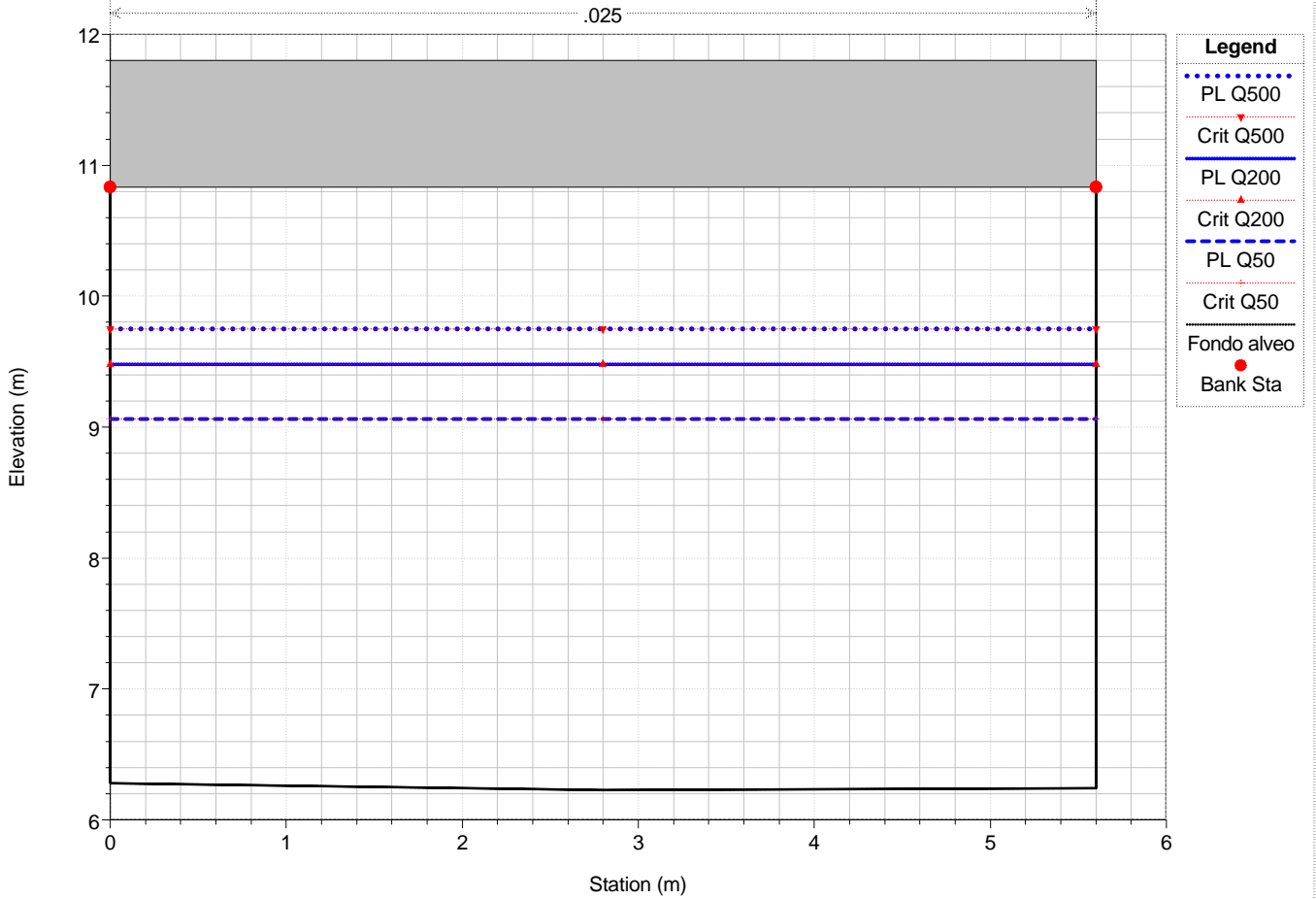
Bardi Cantagallo

River = Cantagallo Reach = valle CAN 3



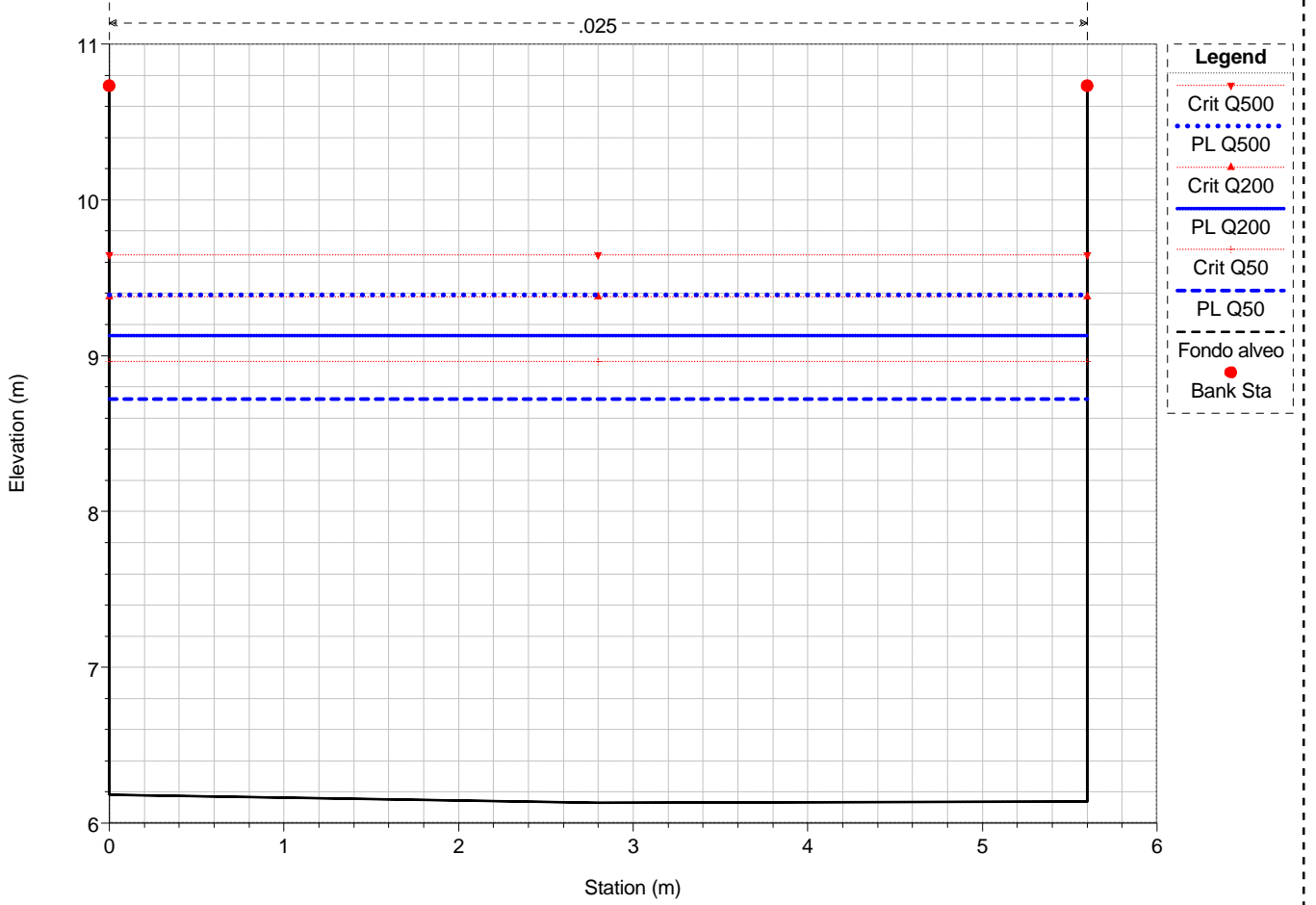
Bardi Cantagallo

River = Cantagallo Reach = valle CAN 2



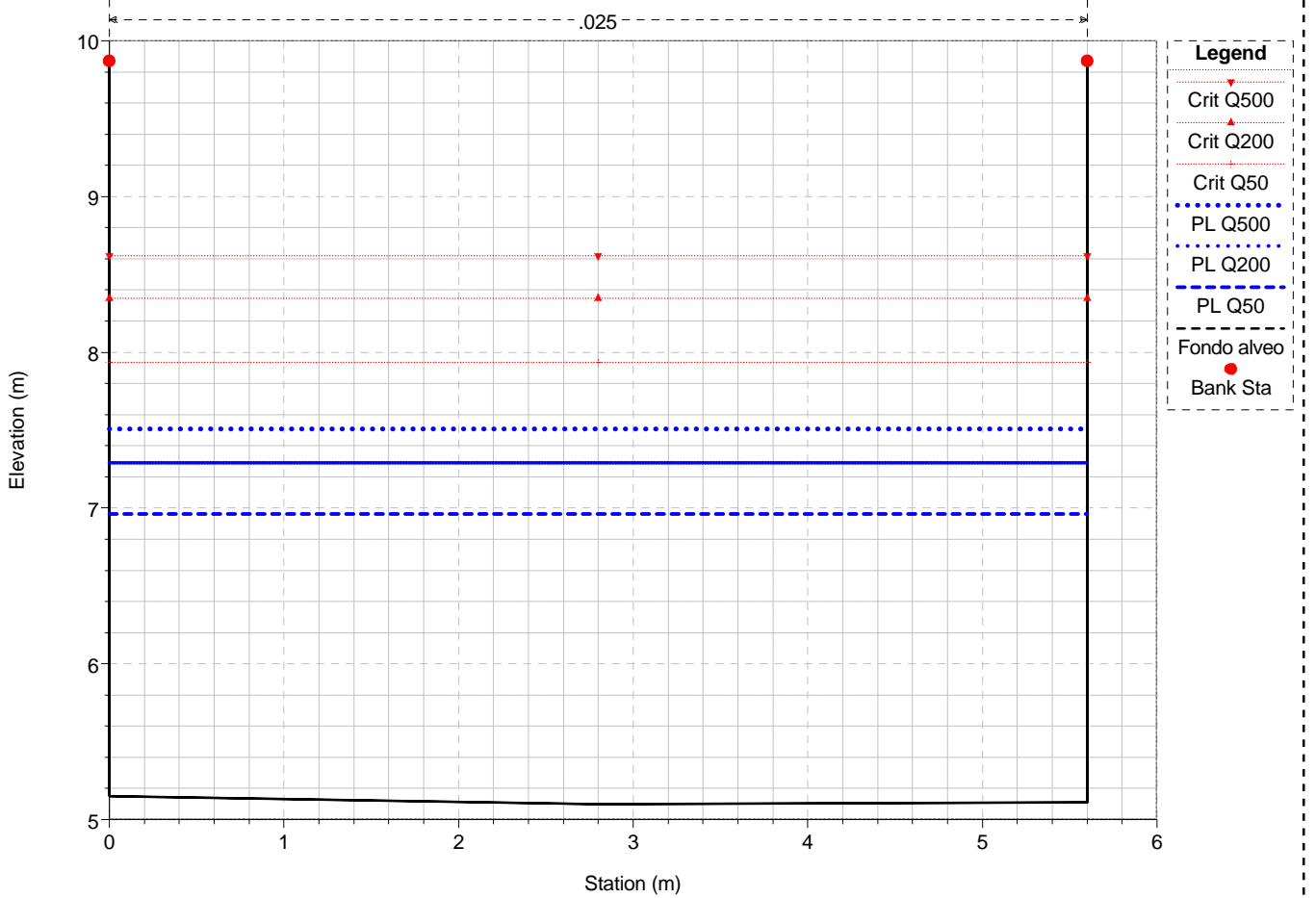
Bardi Cantagallo

River = Cantagallo Reach = valle CAN 1



Bardi Cantagallo

River = Cantagallo Reach = valle



HEC-RAS Plan: PdB

Reach	River Sta	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	LOB Elev (m)	L. Freeboard (m)	ROB Elev (m)	R. Freeboard (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
monte	600	38.00	16.33	18.48	19.44	0.96	22.32	3.84	19.36	0.013000	4.15	9.15	5.41	1.02
monte	600	46.80	16.33	18.75	19.44	0.69	22.32	3.57	19.74	0.013015	4.40	10.65	5.51	1.01
monte	600	52.70	16.33	18.95	19.44	0.49	22.32	3.37	19.98	0.012738	4.50	11.72	5.58	0.99
monte	503.	38.00	15.03	17.18	18.14	0.96	21.02	3.84	18.06	0.012972	4.15	9.16	5.41	1.02
monte	503.	46.80	15.03	17.47	18.14	0.67	21.02	3.55	18.44	0.012781	4.37	10.72	5.51	1.00
monte	503.	52.70	15.03	17.68	18.14	0.46	21.02	3.34	18.68	0.012227	4.43	11.89	5.59	0.97
monte	502.	38.00	13.95	17.02	18.22	1.20	20.86	3.84	17.34	0.003383	2.53	15.04	5.84	0.50
monte	502.	46.80	13.95	17.15	18.22	1.07	20.86	3.71	17.60	0.004488	2.96	15.82	5.89	0.58
monte	502.	52.70	13.95	17.72	18.22	0.50	20.86	3.14	18.10	0.003429	2.74	19.21	6.06	0.49
monte	501.5	38.00	13.54	17.02	17.63	0.61	20.90	3.88	17.18	0.001389	1.80	21.06	6.98	0.33
monte	501.5	46.80	13.54	17.15	17.63	0.48	20.90	3.75	17.38	0.001876	2.13	22.01	7.01	0.38
monte	501.5	52.70	13.54	17.72	17.63	-0.09	20.90	3.18	17.93	0.001528	2.02	26.06	7.17	0.34
monte	501.2	38.00	13.36	17.01	17.45	0.44	20.72	3.71	17.16	0.001198	1.71	22.27	7.02	0.31
monte	501.2	46.80	13.36	17.14	17.45	0.31	20.72	3.58	17.35	0.001631	2.02	23.21	7.06	0.36
monte	501.2	52.70	13.36	17.72	17.45	-0.27	20.72	3.00	17.91	0.001355	1.93	27.29	7.22	0.32
monte	501.	Bridge												
monte	500.8	38.00	13.36	15.15	17.45	2.30	20.72	5.57	15.92	0.011492	3.89	9.76	6.33	1.00
monte	500.8	46.80	13.36	15.81	17.45	1.64	20.72	4.91	16.38	0.006310	3.33	14.04	6.67	0.73
monte	500.8	52.70	13.36	16.54	17.45	0.91	20.72	4.18	16.94	0.003503	2.77	19.03	6.90	0.53
monte	500.5	38.00	13.18	14.96	17.27	2.31	20.54	5.58	15.74	0.011652	3.91	9.71	6.33	1.01
monte	500.5	46.80	13.18	15.77	17.27	1.50	20.54	4.77	16.27	0.005272	3.12	14.99	6.73	0.67
monte	500.5	52.70	13.18	16.53	17.27	0.74	20.54	4.01	16.87	0.003011	2.62	20.14	6.94	0.49
monte	500	38.00	12.19	13.82	17.20	3.38	17.20	3.38	14.71	0.010451	4.17	9.11	5.60	1.04
monte	500	46.80	12.19	15.66	17.20	1.54	17.20	1.54	15.95	0.002032	2.41	19.39	5.60	0.41
monte	500	52.70	12.19	16.43	17.20	0.77	17.20	0.77	16.68	0.001540	2.22	23.70	5.60	0.35
monte	479	38.00	11.79	13.88	15.80	1.92	15.80	1.92	14.42	0.005198	3.25	11.69	5.60	0.72
monte	479	46.80	11.79	15.66	15.80	0.14	15.80	0.14	15.90	0.001527	2.16	21.66	5.60	0.35
monte	479	52.70	11.79	16.35	15.80	-0.55	15.80	-0.55	16.63	0.002805	2.35	22.43		0.35
monte	472.93	38.00	11.15	13.91	14.86	0.95	14.86	0.95	14.37	0.004150	3.00	12.68	4.60	0.58
monte	472.93	46.80	11.15	15.49	14.86	-0.63	14.86	-0.63	15.87	0.004550	2.75	17.04		0.42
monte	472.93	52.70	11.15	16.10	14.86	-1.24	14.86	-1.24	16.59	0.005770	3.09	17.04		0.44
monte	463.75	38.00	11.05	13.87	14.11	0.24	14.11	0.24	14.33	0.004180	3.00	12.65	4.50	0.57

HEC-RAS Plan: PdB (Continued)

Reach	River Sta	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	LOB Elev (m)	L. Freeboard (m)	ROB Elev (m)	R. Freeboard (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
monte	463.75	46.80	11.05	15.25	14.11	-1.14	14.11	-1.14	15.79	0.009993	3.25	14.39	4.50	0.51
monte	463.75	52.70	11.05	16.08	14.11	-1.97	14.11	-1.97	16.51	0.005862	2.91	18.13	4.50	0.41
monte	460.77	38.00	11.01	13.87	14.07	0.20	14.07	0.20	14.31	0.004030	2.96	12.83	4.50	0.56
monte	460.77	46.80	11.01	15.24	14.07	-1.17	14.07	-1.17	15.77	0.009747	3.23	14.49	4.50	0.50
monte	460.77	52.70	11.01	16.08	14.07	-2.01	14.07	-2.01	16.50	0.005710	2.88	18.27	4.50	0.41
monte	430.1	38.00	11.01	13.59	13.96	0.37	13.96	0.37	14.16	0.005417	3.33	11.41	4.50	0.67
monte	430.1	46.80	11.01	14.80	13.96	-0.84	13.96	-0.84	15.46	0.009423	3.59	13.05		0.59
monte	430.1	52.70	11.01	15.79	13.96	-1.83	13.96	-1.83	16.29	0.007357	3.14	16.80	4.50	0.46
monte	407.6	38.00	10.84	13.50	13.87	0.37	13.87	0.37	14.03	0.005019	3.24	11.74	4.50	0.64
monte	407.6	46.80	10.84	14.62	13.87	-0.75	13.87	-0.75	15.24	0.008732	3.49	13.41		0.58
monte	407.6	52.70	10.84	15.63	13.87	-1.76	13.87	-1.76	16.13	0.007415	3.13	16.81	4.50	0.46
monte	365.53	38.00	10.68	13.16	13.75	0.59	13.75	0.59	13.79	0.006222	3.51	10.82	4.45	0.72
monte	365.53	46.80	10.68	14.26	13.75	-0.51	13.75	-0.51	14.88	0.008669	3.49	13.43		0.59
monte	365.53	52.70	10.68	15.13	13.75	-1.38	13.75	-1.38	15.75	0.010488	3.48	15.13	4.45	0.53
monte	331.88	38.00	10.44	12.99	13.49	0.50	13.49	0.50	13.57	0.005623	3.38	11.24	4.50	0.68
monte	331.88	46.80	10.44	13.96	13.49	-0.47	13.49	-0.47	14.57	0.008569	3.47	13.50		0.59
monte	331.88	52.70	10.44	14.62	13.49	-1.13	13.49	-1.13	15.33	0.013456	3.75	14.07	4.50	0.59
monte	207.77	38.00	9.76	12.28	12.80	0.52	12.80	0.52	12.87	0.005655	3.38	11.25	4.50	0.68
monte	207.77	46.80	9.76	12.90	12.80	-0.10	12.80	-0.10	13.51	0.008486	3.45	13.57		0.62
monte	207.77	52.70	9.76	13.19	12.80	-0.39	12.80	-0.39	13.96	0.010761	3.88	13.57		0.67
monte	203.16	38.00	8.40	12.55	12.75	0.20	12.75	0.20	12.75	0.001426	1.97	19.25	4.70	0.34
monte	203.16	46.80	8.40	13.12	12.75	-0.37	12.75	-0.37	13.39	0.002872	2.32	20.21		0.00
monte	203.16	52.70	8.40	13.47	12.75	-0.72	12.75	-0.72	13.82	0.003642	2.61	20.21		0.00
valle	197.28	83.00	8.41	11.61	12.72	1.11	12.72	1.11	12.75	0.008306	4.73	17.55	5.50	0.85
valle	197.28	102.00	8.41	12.11	12.72	0.61	12.72	0.61	13.39	0.008545	5.01	20.35	5.50	0.83
valle	197.28	115.00	8.41	12.45	12.72	0.27	12.72	0.27	13.82	0.008684	5.18	22.21	5.50	0.82
valle	105.82	83.00	7.66	10.54	12.21	1.67	12.21	1.67	11.95	0.010844	5.26	15.77	5.60	1.00
valle	105.82	102.00	7.66	10.96	12.21	1.25	12.21	1.25	12.57	0.011398	5.64	18.10	5.60	1.00
valle	105.82	115.00	7.66	11.23	12.21	0.98	12.21	0.98	12.98	0.011763	5.86	19.61	5.60	1.00
valle	102.06	83.00	6.54	10.74	12.19	1.45	12.19	1.45	11.38	0.003908	3.53	23.49	5.60	0.55
valle	102.06	102.00	6.54	11.28	12.19	0.91	12.19	0.91	12.03	0.004354	3.85	26.51	5.60	0.56
valle	102.06	115.00	6.54	11.63	12.19	0.56	12.19	0.56	12.46	0.004629	4.04	28.48	5.60	0.57

HEC-RAS Plan: PdB (Continued)

Reach	River Sta	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	LOB Elev (m)	L. Freeboard (m)	ROB Elev (m)	R. Freeboard (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
valle	78.95	83.00	6.76	9.86	12.11	2.25	12.11	2.25	11.17	0.009709	5.07	16.38	5.50	0.94
valle	78.95	102.00	6.76	10.40	12.11	1.71	12.11	1.71	11.82	0.009487	5.27	19.36	5.50	0.90
valle	78.95	115.00	6.76	10.75	12.11	1.36	12.11	1.36	12.24	0.009473	5.40	21.28	5.50	0.88
valle	71.81	83.00	6.65	10.01	11.26	1.25	11.26	1.25	11.04	0.007283	4.50	18.45	5.50	0.78
valle	71.81	102.00	6.65	10.53	11.26	0.73	11.26	0.73	11.70	0.007578	4.78	21.32	5.50	0.78
valle	71.81	115.00	6.65	10.87	11.26	0.39	11.26	0.39	12.12	0.007787	4.96	23.19	5.50	0.77
valle	44.75	83.00	6.39	9.90	11.15	1.25	11.15	1.25	10.83	0.006361	4.27	19.43	5.55	0.73
valle	44.75	102.00	6.39	10.40	11.15	0.75	11.15	0.75	11.47	0.006785	4.58	22.25	5.55	0.73
valle	44.75	115.00	6.39	10.73	11.15	0.42	11.15	0.42	11.90	0.007062	4.78	24.08	5.55	0.73
valle	3.24	83.00	6.23	9.06	10.83	1.77	10.83	1.77	10.47	0.010949	5.26	15.78	5.60	1.00
valle	3.24	102.00	6.23	9.48	10.83	1.35	10.83	1.35	11.10	0.011505	5.63	18.11	5.60	1.00
valle	3.24	115.00	6.23	9.75	10.83	1.08	10.83	1.08	11.50	0.011871	5.86	19.62	5.60	1.00
valle	0.1	83.00	6.13	8.72	10.73	2.01	10.73	2.01	10.41	0.013942	5.76	14.42	5.60	1.14
valle	0.1	102.00	6.13	9.13	10.73	1.60	10.73	1.60	11.03	0.014221	6.11	16.71	5.60	1.13
valle	0.1	115.00	6.13	9.39	10.73	1.34	10.73	1.34	11.43	0.014479	6.33	18.18	5.60	1.12
valle	0	83.00	5.10	6.96	9.87	2.91	9.87	2.91	10.25	0.034828	8.03	10.33	5.60	1.89
valle	0	102.00	5.10	7.29	9.87	2.58	9.87	2.58	10.86	0.033280	8.37	12.19	5.60	1.81
valle	0	115.00	5.10	7.51	9.87	2.36	9.87	2.36	11.26	0.032624	8.58	13.40	5.60	1.77