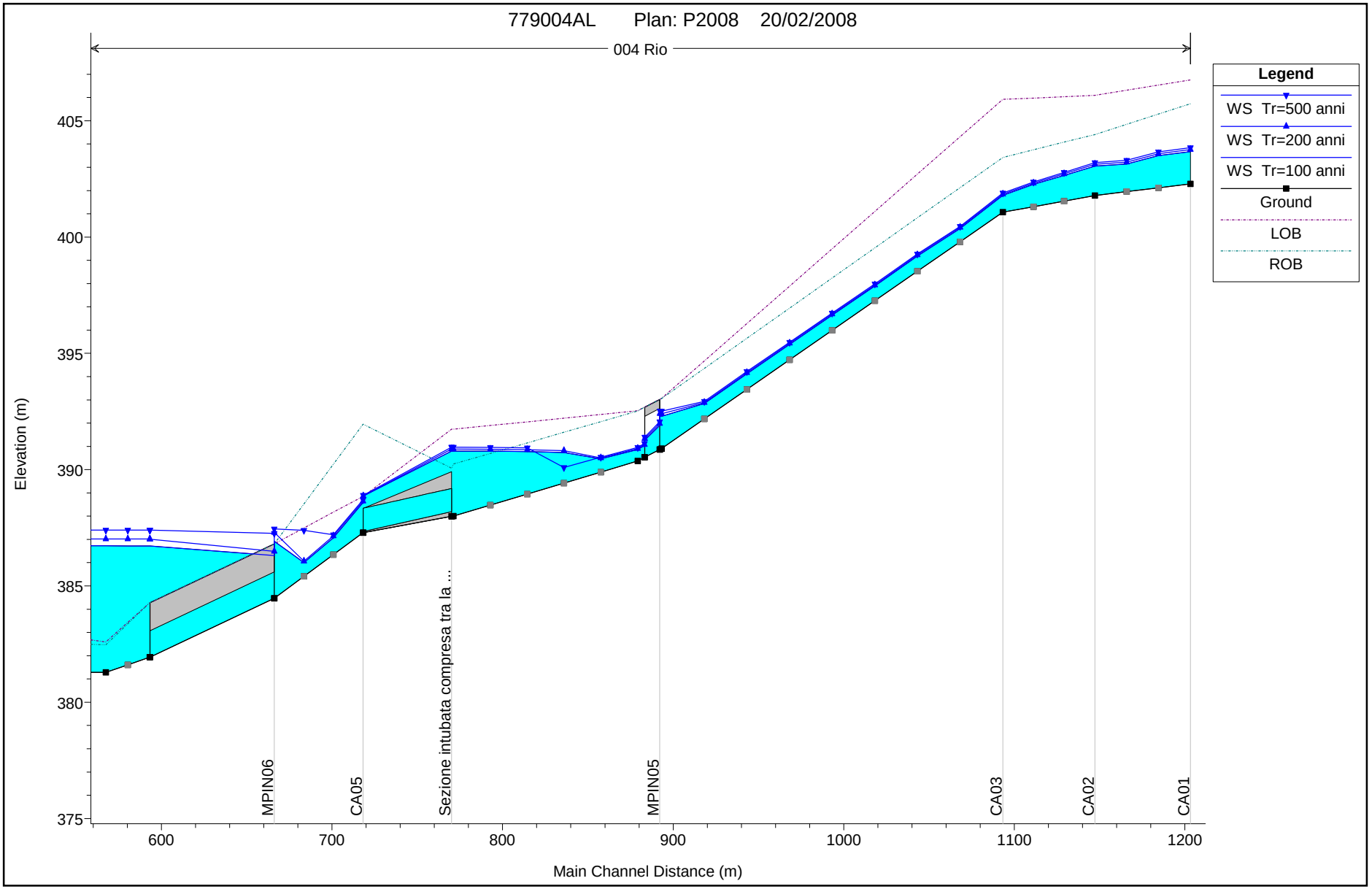
HEC-RAS Plan: 2008 River: 004 Reach: Rio

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	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/s)	(m2)	(m)	
Rio	1200	Tr=100 anni	8.00	402.29	403.67	403.28	403.84	0.005434	1.81	4.43	4.02	0.55
Rio	1200	Tr=200 anni	9.00	402.29	403.76	403.34	403.94	0.005503	1.88	4.80	4.06	0.55
Rio	1200	Tr=500 anni	10.00	402.29	403.85	403.41	404.04	0.005584	1.94	5.15	4.09	0.55
Rio	1190	Tr=100 anni	8.00	401.78	403.05		403.26	0.007753	2.00	4.00	3.86	0.63
Rio	1190	Tr=200 anni	9.00	401.78	403.13		403.35	0.007995	2.09	4.30	3.86	0.63
Rio	1190	Tr=500 anni	10.00	401.78	403.20		403.45	0.008258	2.18	4.58	3.89	0.64
Rio	1180	Tr=100 anni	8.00	401.07	401.79	401.87	402.24	0.027108	2.97	2.69	4.31	1.20
Rio	1180	Tr=200 anni	9.00	401.07	401.84	401.93	402.33	0.026896	3.08	2.92	4.33	1.20
Rio	1180	Tr=500 anni	10.00	401.07	401.89	401.99	402.41	0.027094	3.20	3.12	4.35	1.21
Rio	1170	Tr=100 anni	8.00	390.91	392.29	391.76	392.44	0.005248	1.72	4.66	3.45	0.47
Rio	1170	Tr=200 anni	9.00	390.91	392.41	391.82	392.57	0.005314	1.78	5.05	3.45	0.47
Rio	1170	Tr=500 anni	10.00	390.91	392.51	391.89	392.69	0.005399	1.84	5.43	3.45	0.47
Rio	1160	Tr=100 anni	8.00	390.87	392.29	391.72	392.44	0.001271	1.66	4.81	3.45	0.45
Rio	1160	Tr=200 anni	9.00	390.87	392.41	391.78	392.56	0.001297	1.73	5.21	3.45	0.45
Rio	1160	Tr=500 anni	10.00	390.87	392.52	391.85	392.68	0.001326	1.79	5.58	3.45	0.45
Rio	1155		Bridge									
Rio	1150	Tr=100 anni	8.00	390.53	391.04	391.37	392.23	0.028214	4.84	1.65	3.45	2.23
Rio	1150	Tr=200 anni	9.00	390.53	391.08	391.44	392.35	0.027408	4.99	1.80	3.45	2.21
Rio	1150	Tr=500 anni	10.00	390.53	391.12	391.51	392.47	0.026777	5.14	1.95	3.45	2.18
Rio	1140	Tr=100 anni	8.00	390.37	390.87	391.21	392.11	0.029933	4.94	1.62	3.45	2.30
Rio	1140	Tr=200 anni	9.00	390.37	390.91	391.28	392.23	0.029096	5.09	1.77	3.45	2.27
Rio	1140	Tr=500 anni	10.00	390.37	390.95	391.35	392.35	0.028420	5.24	1.91	3.45	2.25
Rio	1130	Tr=100 anni	8.00	388.00	390.80		390.82	0.000111	0.70	11.78	6.30	0.14
Rio	1130	Tr=200 anni	9.00	388.00	390.89		390.91	0.000125	0.76	12.32	6.31	0.15
Rio	1130	Tr=500 anni	10.00	388.00	390.97		391.00	0.000139	0.81	12.84	6.31	0.16
Rio	1120	Tr=100 anni	8.00	387.99	390.80	388.92	390.82	0.000108	0.70	11.82	6.31	0.14

HEC-RAS Plan: 2008 River: 004 Reach: Rio (Continued)

Reach	River Sta	Profile	Froude # Chl									
Rio	1120	Tr=200 anni	9.00	387.99	390.89	388.98	390.91	0.000122	0.76	12.36	6.31	0.15
Rio	1120	Tr=500 anni	10.00	387.99	390.97	389.04	391.00	0.000136	0.81	12.87	6.31	0.16
Rio	1115		Culvert									
Rio	1110	Tr=100 anni	8.00	387.29	388.58	388.58	388.98	0.006838	2.78	2.88	3.66	1.00
Rio	1110	Tr=200 anni	9.00	387.29	388.65	388.65	389.07	0.006892	2.89	3.11	3.66	1.00
Rio	1110	Tr=500 anni	10.00	387.29	388.71	388.71	389.17	0.006867	2.99	3.34	3.66	1.00
Rio	1100	Tr=100 anni	8.00	384.47	386.92	385.48	387.00	0.000559	1.23	6.71	5.16	0.25
Rio	1100	Tr=200 anni	9.00	384.47	387.30	385.56	387.36	0.000374	1.11	8.79	5.43	0.21
Rio	1100	Tr=500 anni	10.00	384.47	387.46	385.64	387.52	0.000364	1.13	9.61	5.43	0.21
Rio	1095		Bridge									
Rio	1090	Tr=100 anni	8.00	381.94	386.72		386.73	0.000033	0.47	19.35	5.43	0.07
Rio	1090	Tr=200 anni	9.00	381.94	387.02		387.03	0.000034	0.49	20.96	5.43	0.07
Rio	1090	Tr=500 anni	10.00	381.94	387.40		387.41	0.000032	0.50	23.04	5.43	0.07
Rio	1080	Tr=100 anni	8.00	381.28	386.72		386.73	0.000007	0.29	33.00	7.34	0.04
Rio	1080	Tr=200 anni	9.00	381.28	387.02		387.02	0.000008	0.31	35.18	7.34	0.04
Rio	1080	Tr=500 anni	10.00	381.28	387.40		387.41	0.000008	0.33	37.99	7.34	0.04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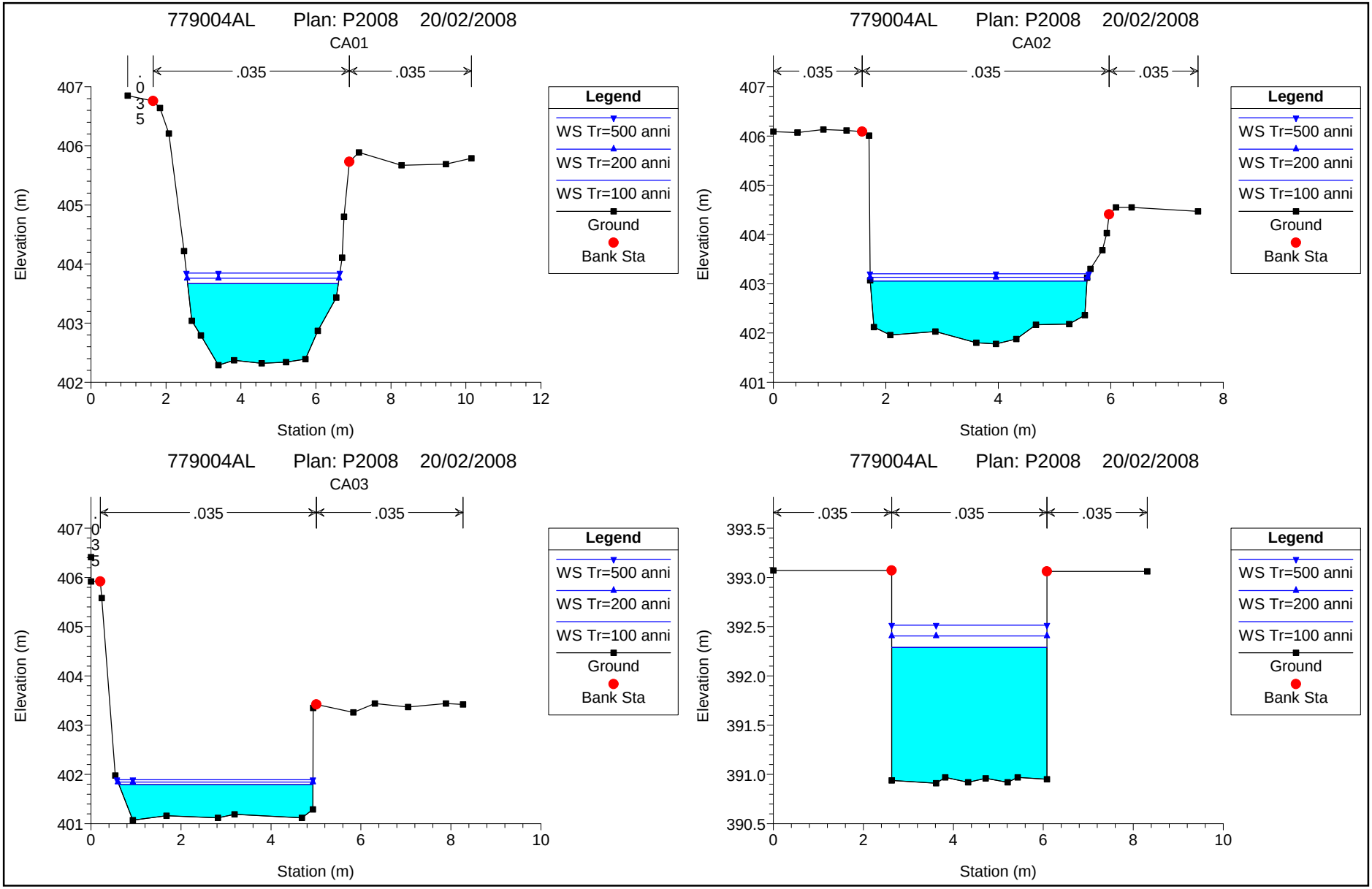
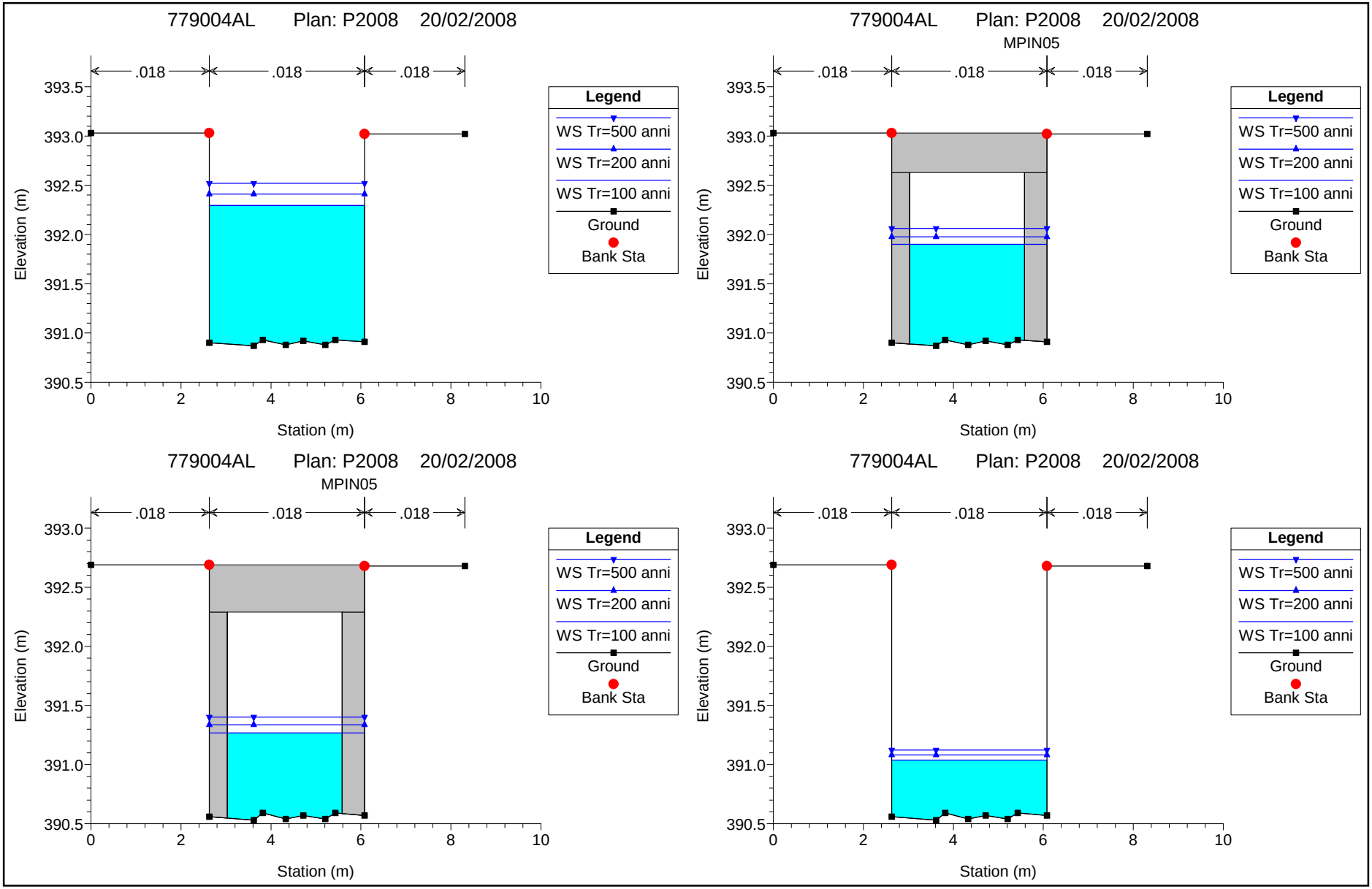
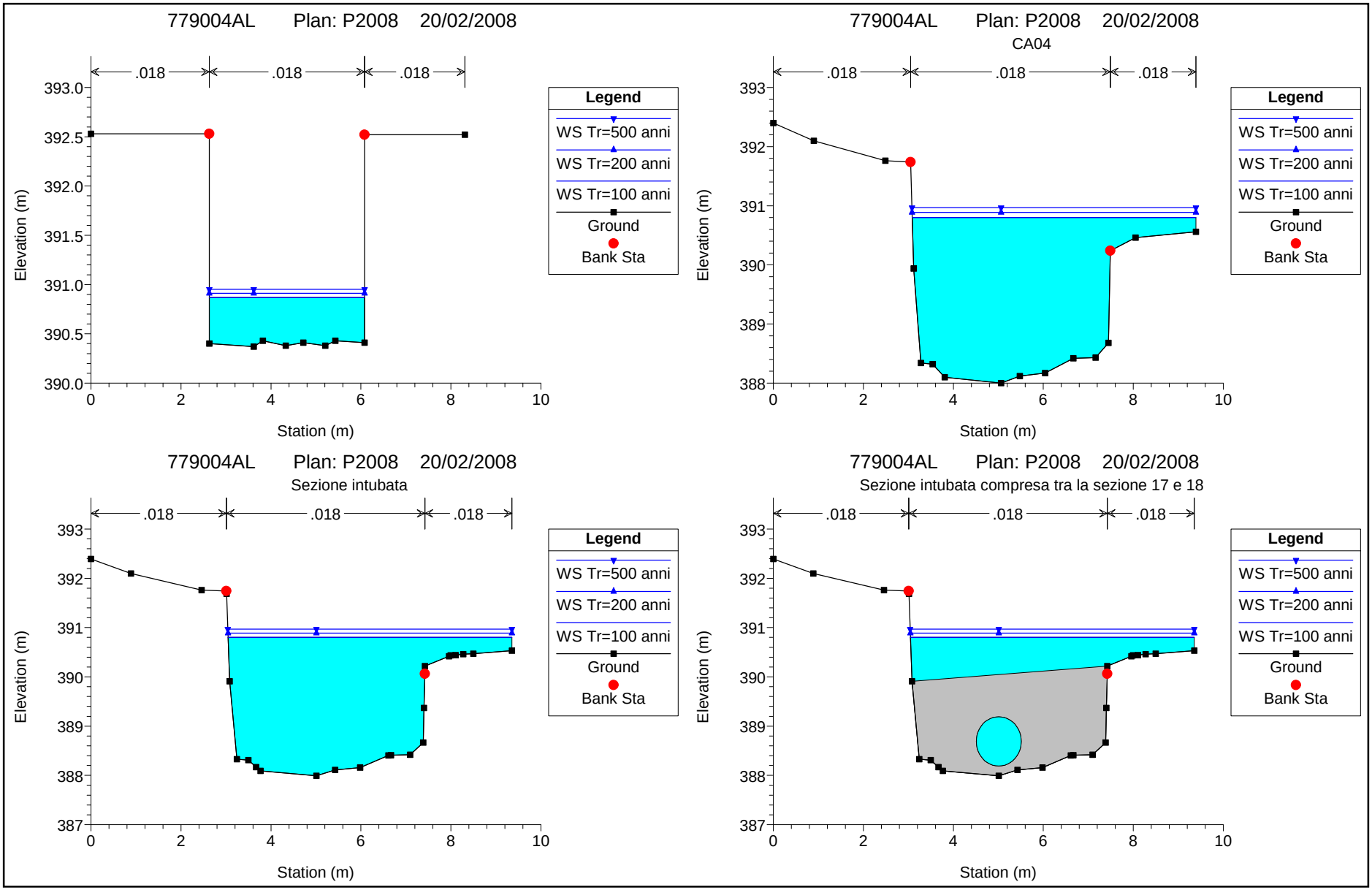
004 Rio
Legend
WS Tr=500 anni
WS Tr=200 anni
WS Tr=100 anni
Ground
LOB
ROB
Elevation (m)
405
400
395
390
385
380
375
600
700
800
900
1000
1100
1200
Main Channel Distance (m)
MPIN06
CA05
Sezione intubata compresa tra la ...
MPIN05
CA03
CA02
CA01


779004AL Plan: P2008 20/02/2008
CA01
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Tr=500 anni
WS Tr=200 anni
WS Tr=100 anni
Ground
Bank Sta
779004AL Plan: P2008 20/02/2008
CA02
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Tr=500 anni
WS Tr=200 anni
WS Tr=100 anni
Ground
Bank Sta
779004AL Plan: P2008 20/02/2008
CA03
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Tr=500 anni
WS Tr=200 anni
WS Tr=100 anni
Ground
Bank Sta
779004AL Plan: P2008 20/02/2008
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Tr=500 anni
WS Tr=200 anni
WS Tr=100 anni
Ground
Bank Sta


779004AL Plan: P2008 20/02/2008
.018
.018
.018
393.5
393.0
392.5
392.0
391.5
391.0
390.5
Elevation (m)
0
2
4
6
8
10
Station (m)
Legend
WS Tr=500 anni
WS Tr=200 anni
WS Tr=100 anni
Ground
Bank Sta
779004AL Plan: P2008 20/02/2008
MPIN05
.018
.018
.018
393.5
393.0
392.5
392.0
391.5
391.0
390.5
Elevation (m)
0
2
4
6
8
10
Station (m)
Legend
WS Tr=500 anni
WS Tr=200 anni
WS Tr=100 anni
Ground
Bank Sta
779004AL Plan: P2008 20/02/2008
MPIN05
.018
.018
.018
393.0
392.5
392.0
391.5
391.0
390.5
Elevation (m)
0
2
4
6
8
10
Station (m)
Legend
WS Tr=500 anni
WS Tr=200 anni
WS Tr=100 anni
Ground
Bank Sta
779004AL Plan: P2008 20/02/2008
.018
.018
.018
393.0
392.5
392.0
391.5
391.0
390.5
Elevation (m)
0
2
4
6
8
10
Station (m)
Legend
WS Tr=500 anni
WS Tr=200 anni
WS Tr=100 anni
Ground
Bank Sta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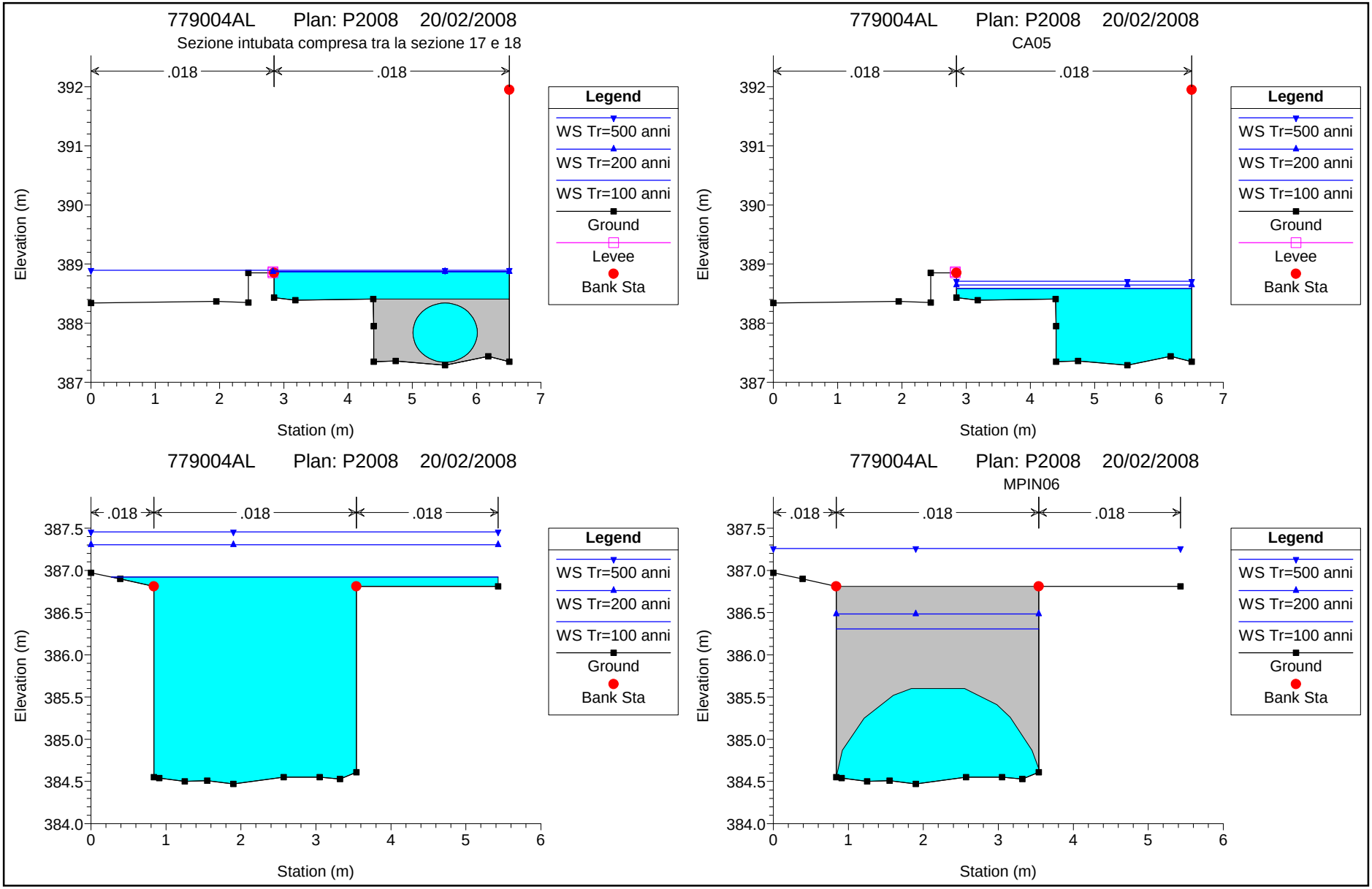
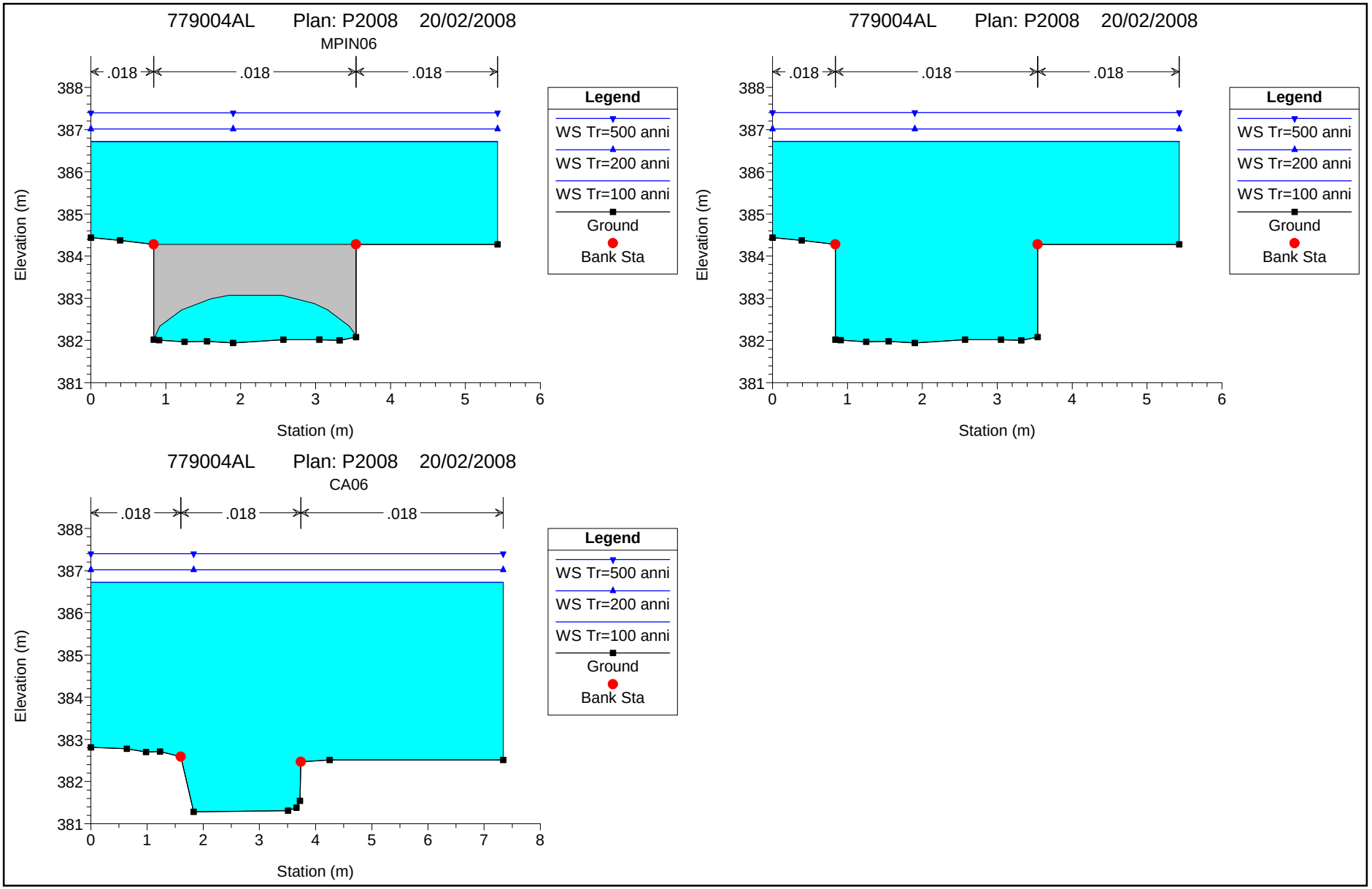
.018
.018
.018
Elevation (m)
Station (m)
Legend
WS Tr=500 anni
WS Tr=200 anni
WS Tr=100 anni
Ground
Bank Sta
779004AL Plan: P2008 20/02/2008
CA04
779004AL Plan: P2008 20/02/2008
Sezione intubata
779004AL Plan: P2008 20/02/2008
Sezione intubata compresa tra la sezione 17 e 18


779004AL Plan: P2008 20/02/2008
Sezione intubata compresa tra la sezione 17 e 18
.018
.018
Elevation (m)
Station (m)
Legend
WS Tr=500 anni
WS Tr=200 anni
WS Tr=100 anni
Ground
Levee
Bank Sta
779004AL Plan: P2008 20/02/2008
CA05
779004AL Plan: P2008 20/02/2008
.018
.018
.018
779004AL Plan: P2008 20/02/2008
MPIN06


779004AL Plan: P2008 20/02/2008
MPIN06
.018
.018
.018
Elevation (m)
Station (m)
Legend
WS Tr=500 anni
WS Tr=200 anni
WS Tr=100 anni
Ground
Bank Sta
779004AL Plan: P2008 20/02/2008
.018
.018
.018
Elevation (m)
Station (m)
Legend
WS Tr=500 anni
WS Tr=200 anni
WS Tr=100 anni
Ground
Bank Sta
779004AL Plan: P2008 20/02/2008
CA06
.018
.018
.018
Elevation (m)
Station (m)
Legend
WS Tr=500 anni
WS Tr=200 anni
WS Tr=100 anni
Ground
Bank Sta