



Piano Strutturale
Comune di Montepulciano

ALLEGATO IDR-01

RELAZIONE IDROLOGICO-IDRAULICA

Allegati HEC-RAS. Sezioni trasversali, profili longitudinali e dati idraulici

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ALLEGATI

MODELLAZIONE HEC-RAS 5.0.6 "Val di Seste"

CANALE CONSORZIALE VAL DI SESTE

MODELLAZIONE PER TR=30 e 200 ANNI

DURATA DI PIOGGIA: 2h

Profilo longitudinale

Sezioni Trasversali

Dati idraulici



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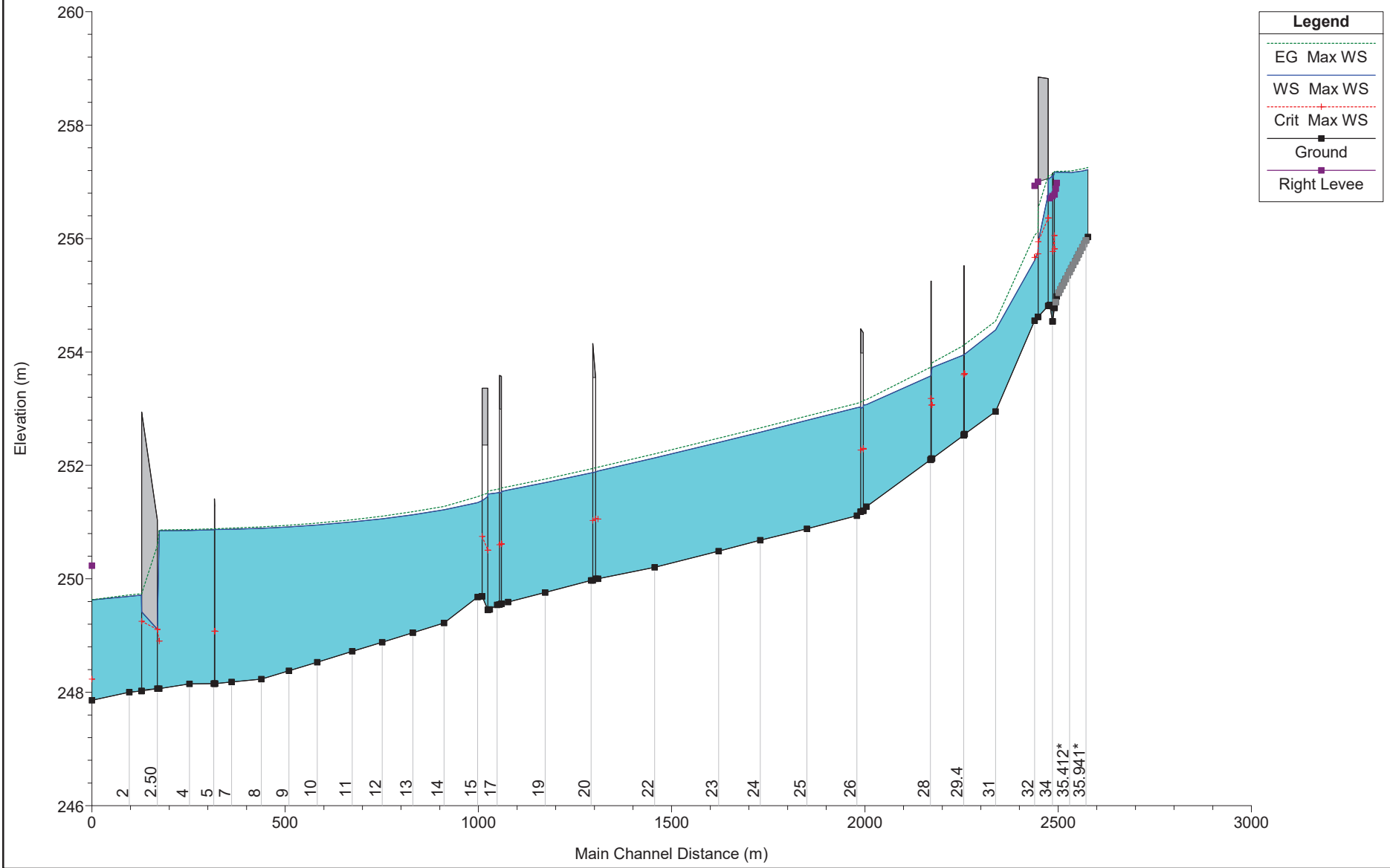
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CANALE CONSORZIALE VAL DI SESTE

MODELLAZIONE PER TR=30 anni

DURATE DI PIOGGIA: 2h

Profilo longitudinale





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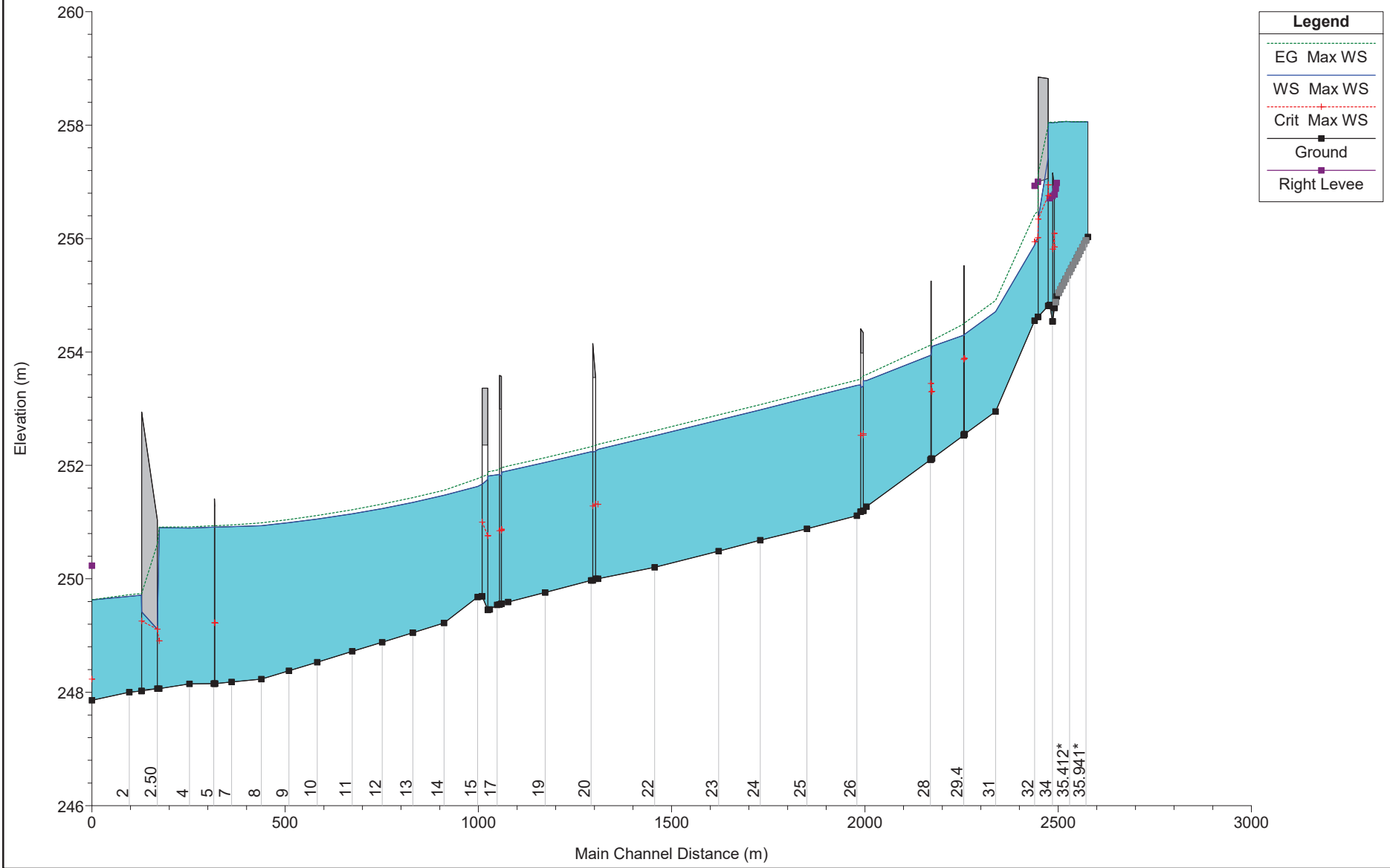
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CANALE CONSORZIALE VAL DI SESTE

MODELLAZIONE PER TR=200 anni

DURATE DI PIOGGIA: 2h

Profilo longitudinale





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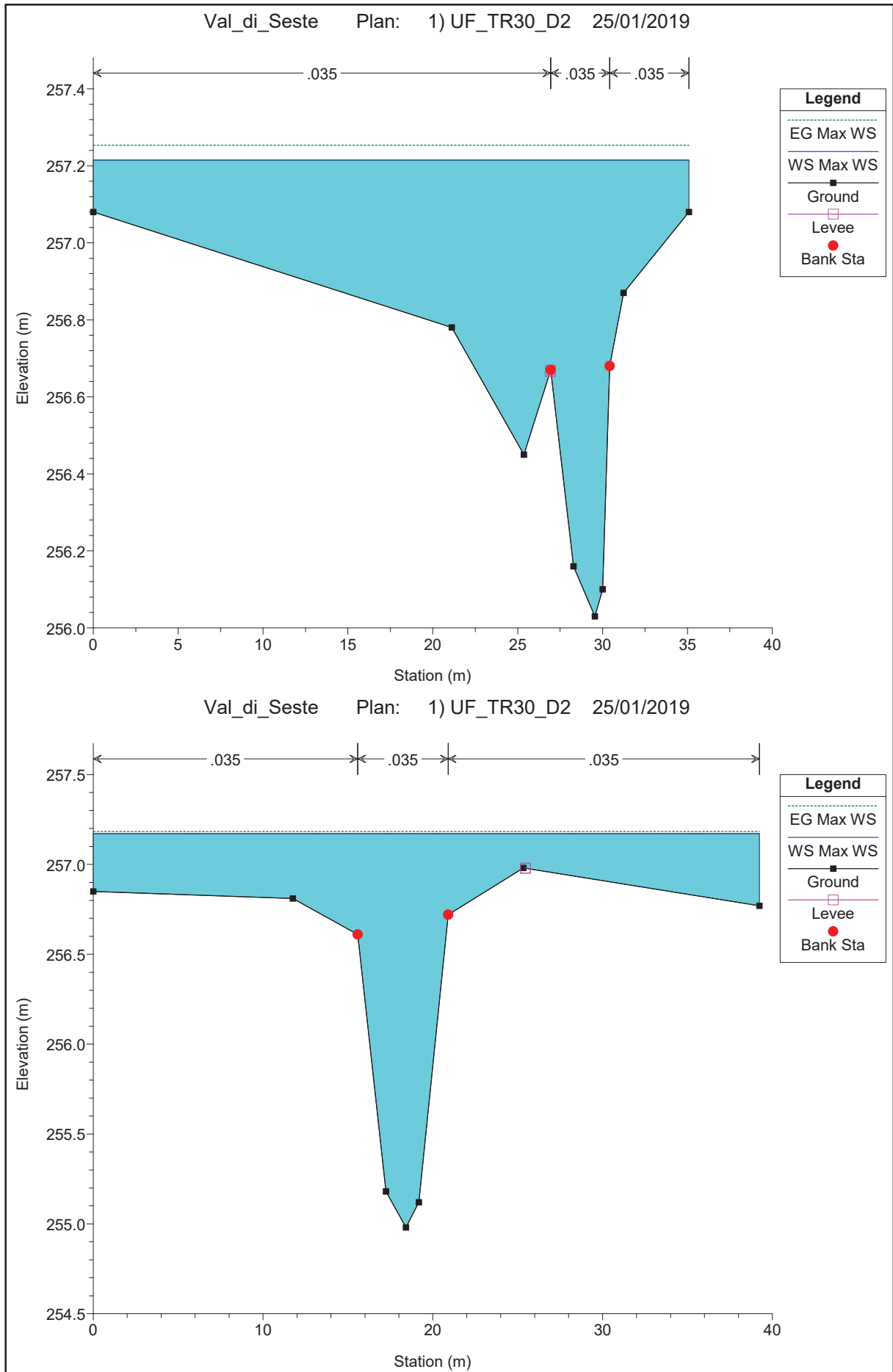
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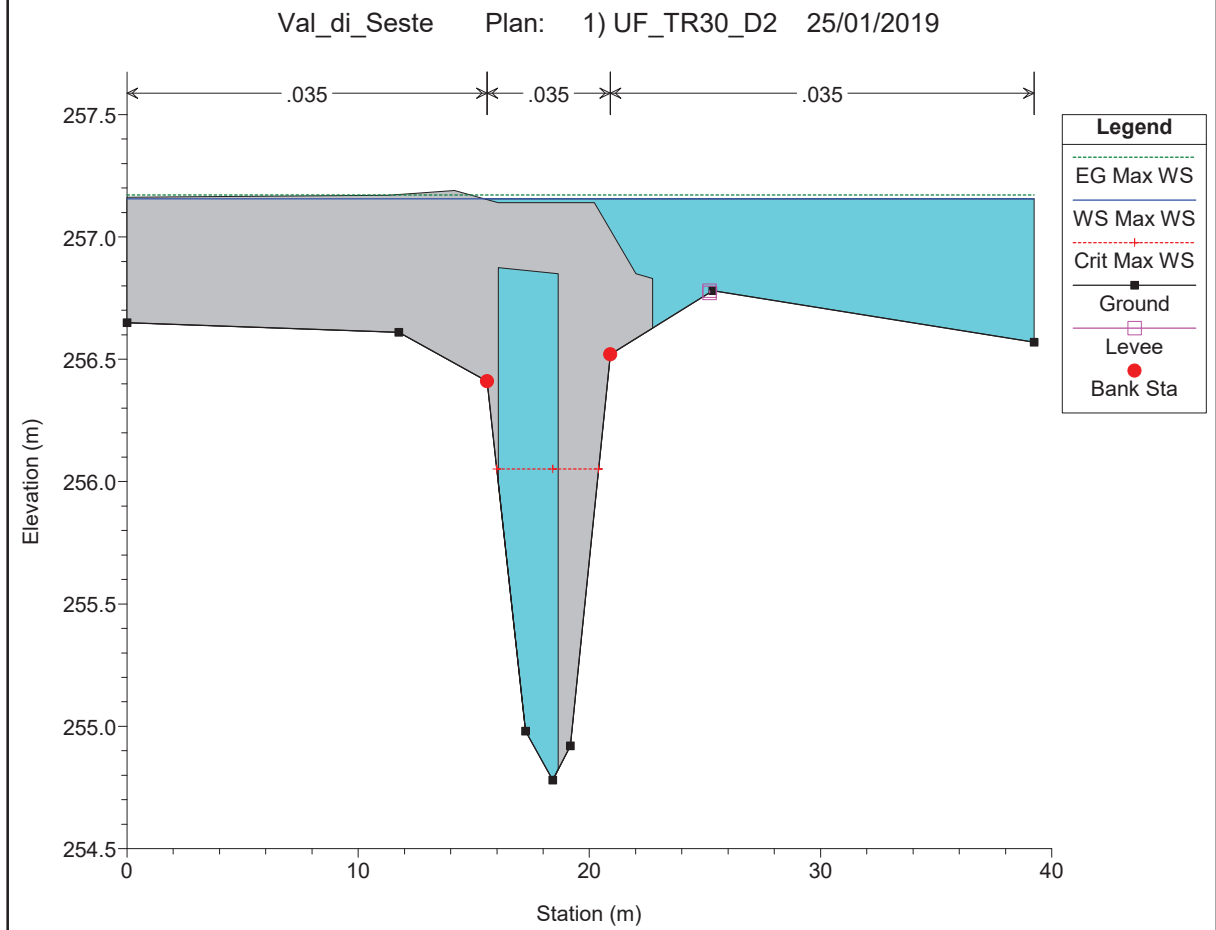
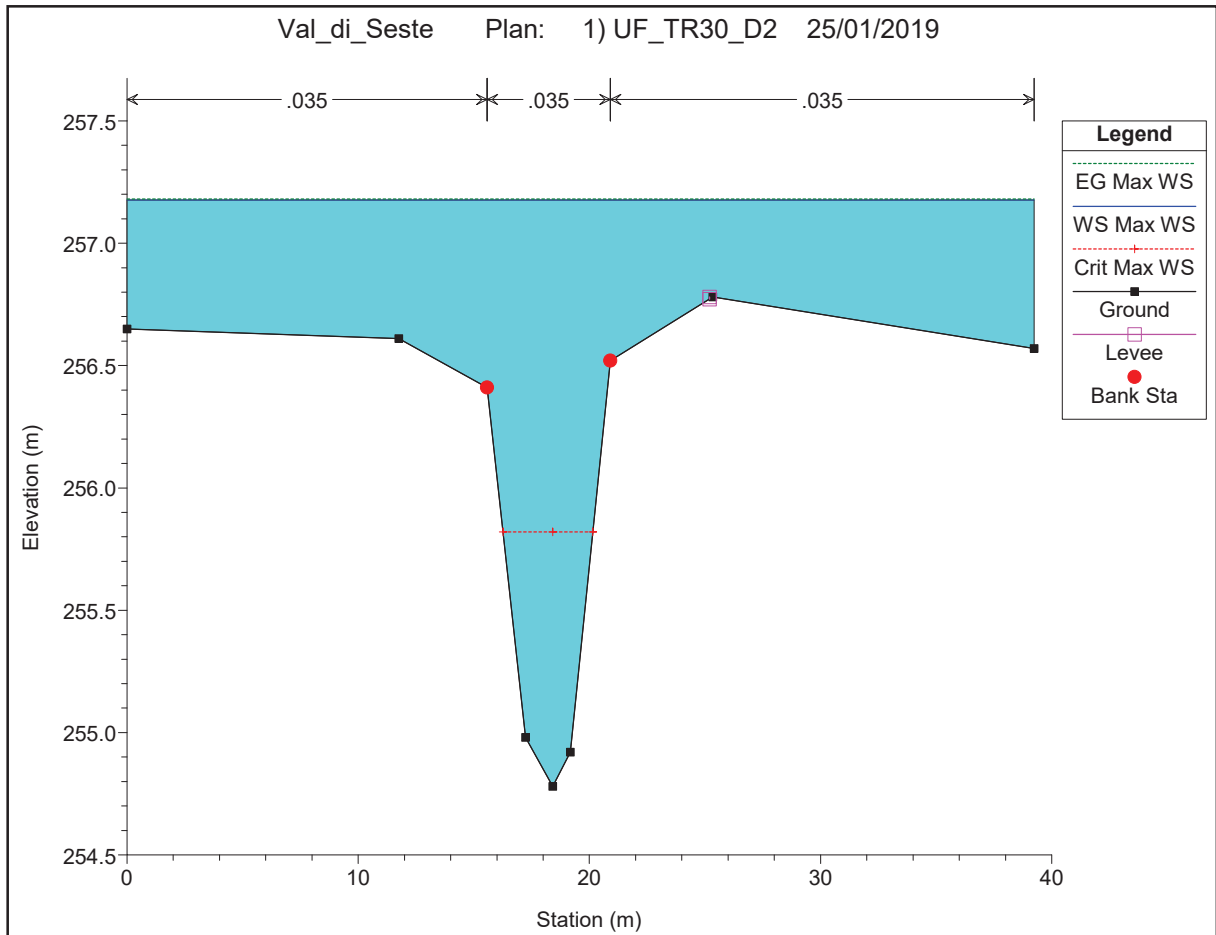
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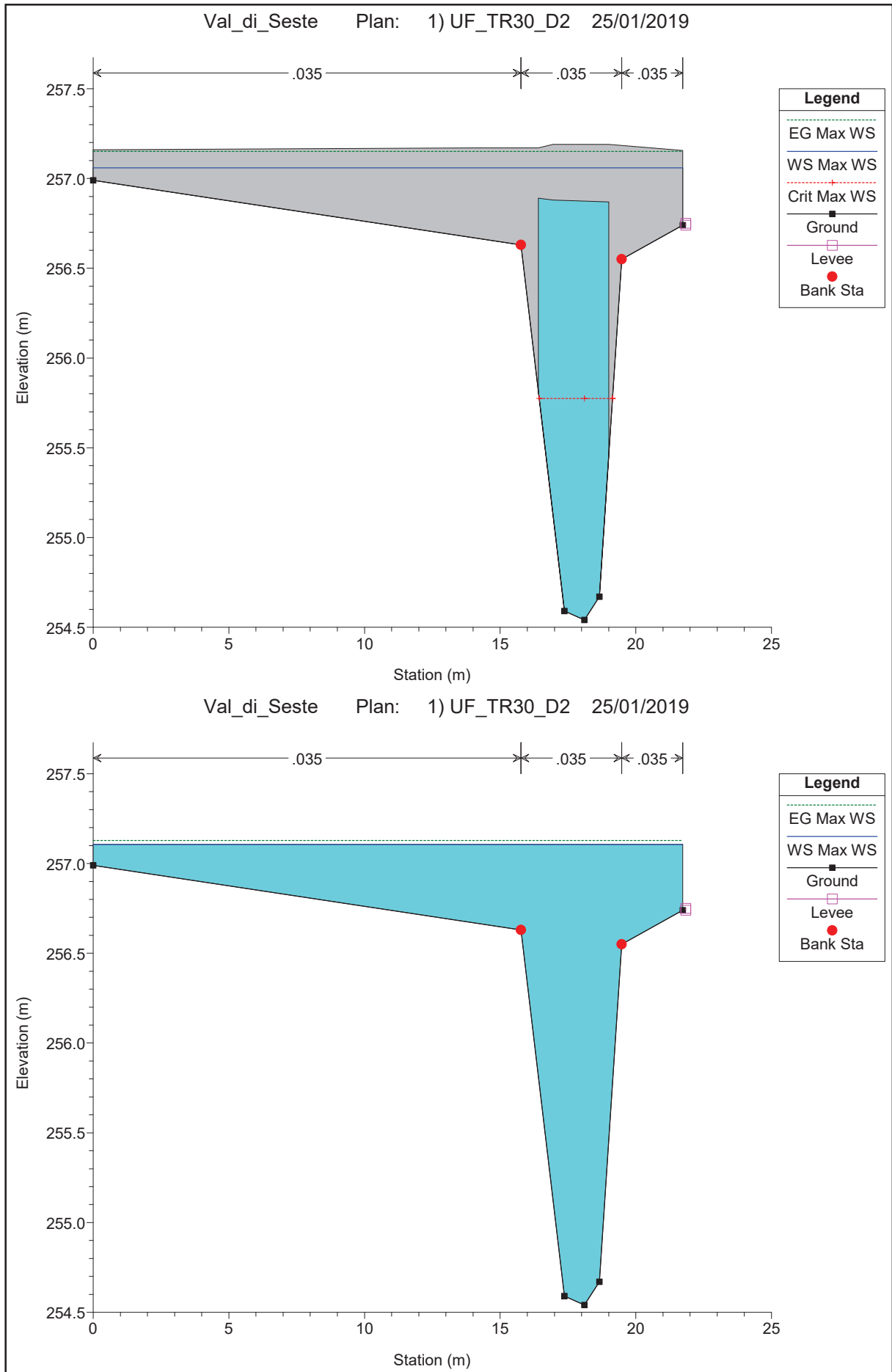
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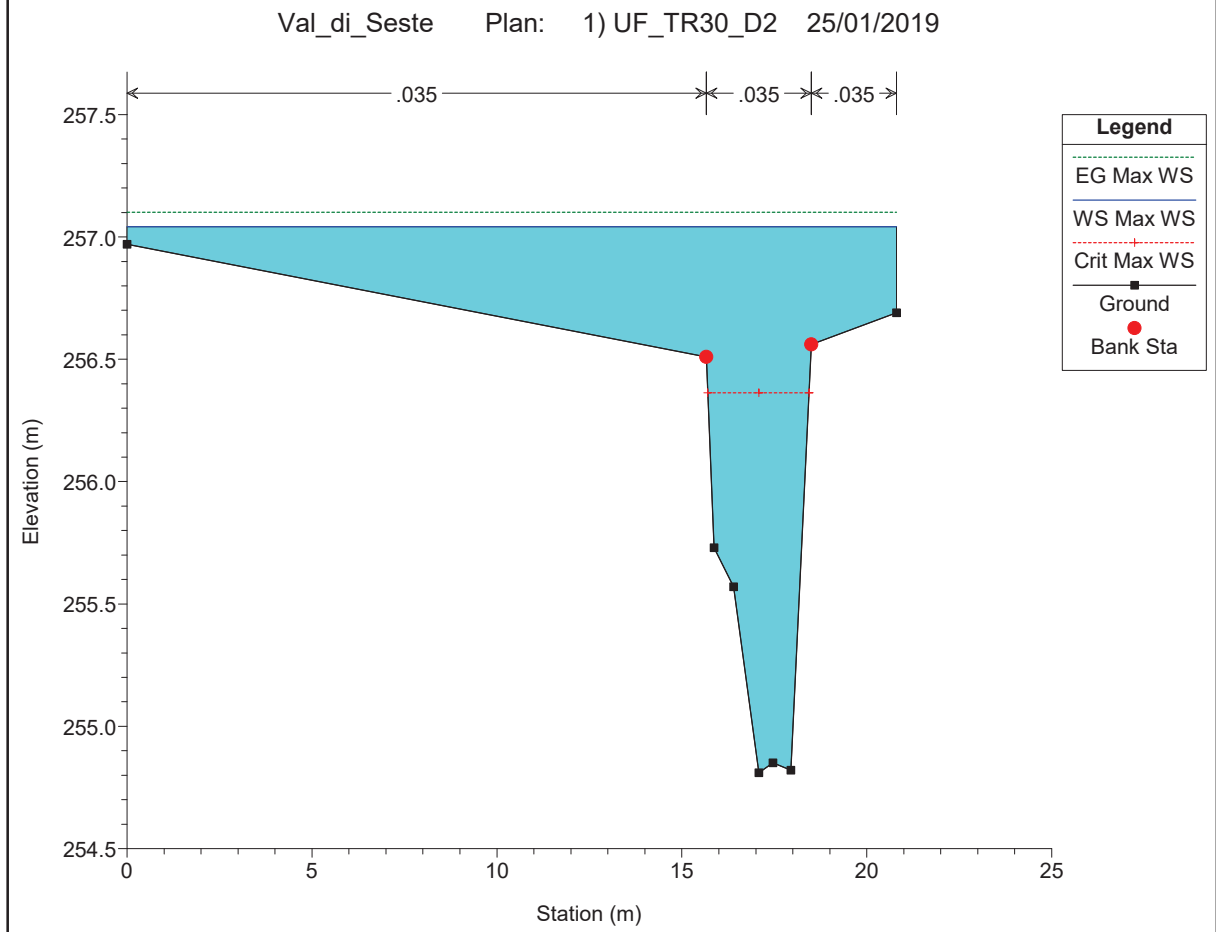
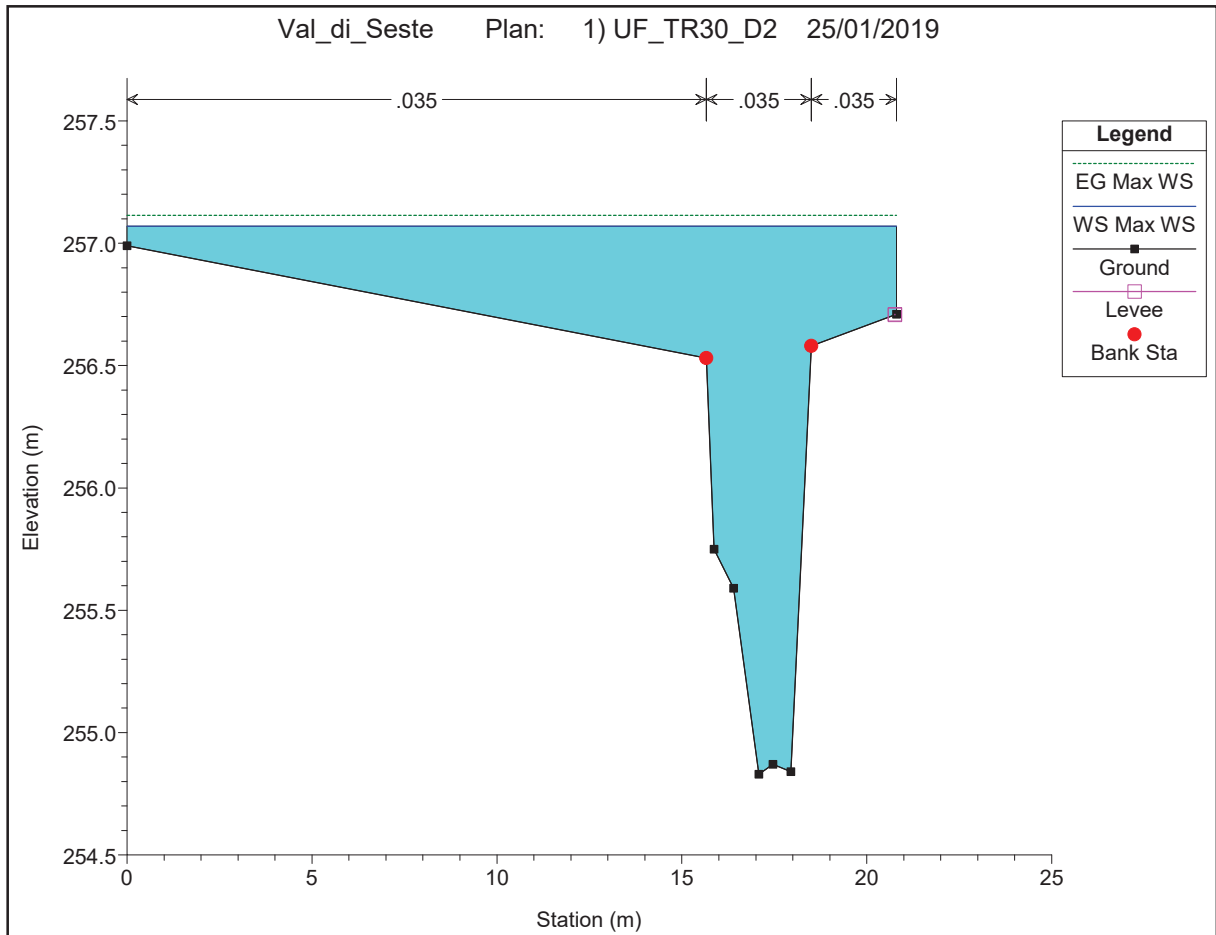
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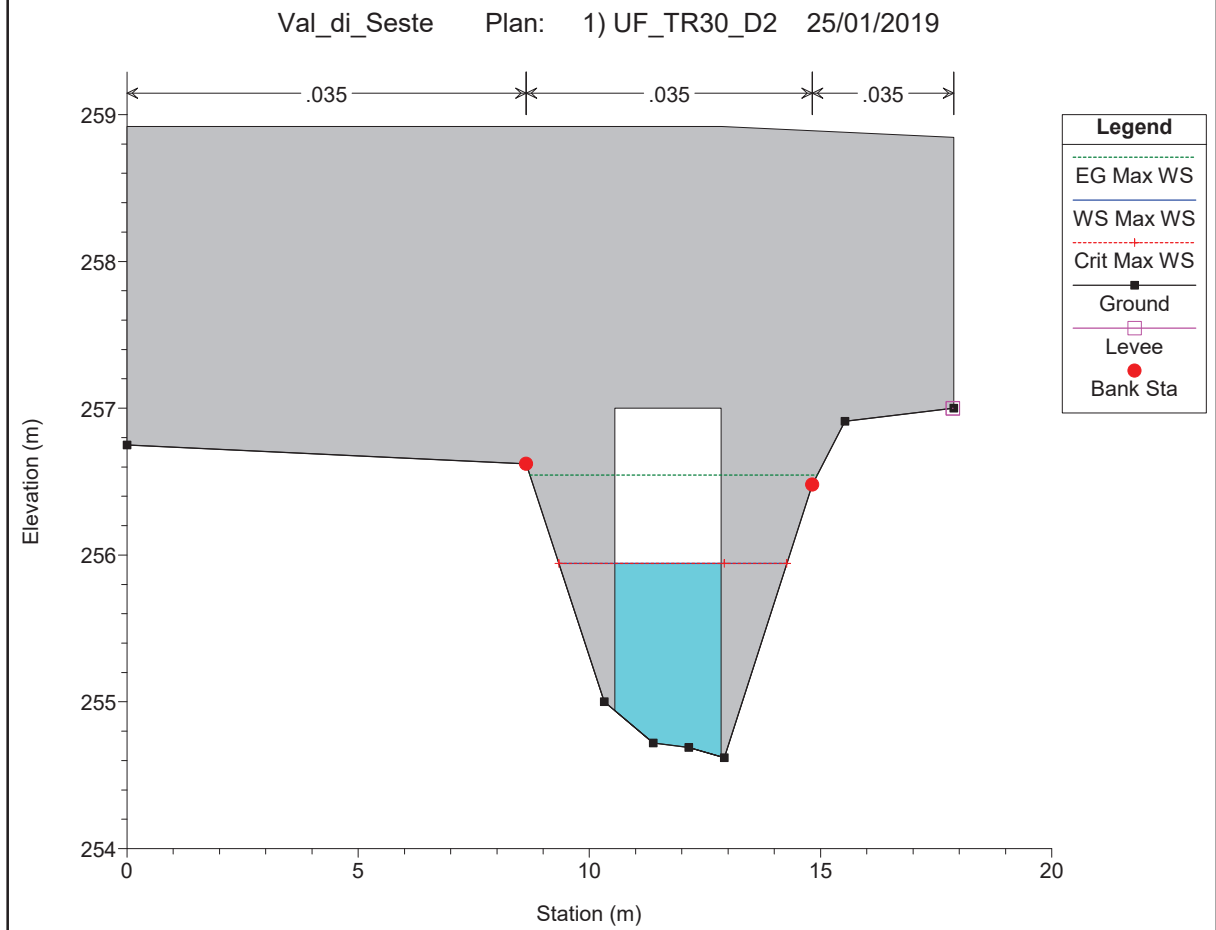
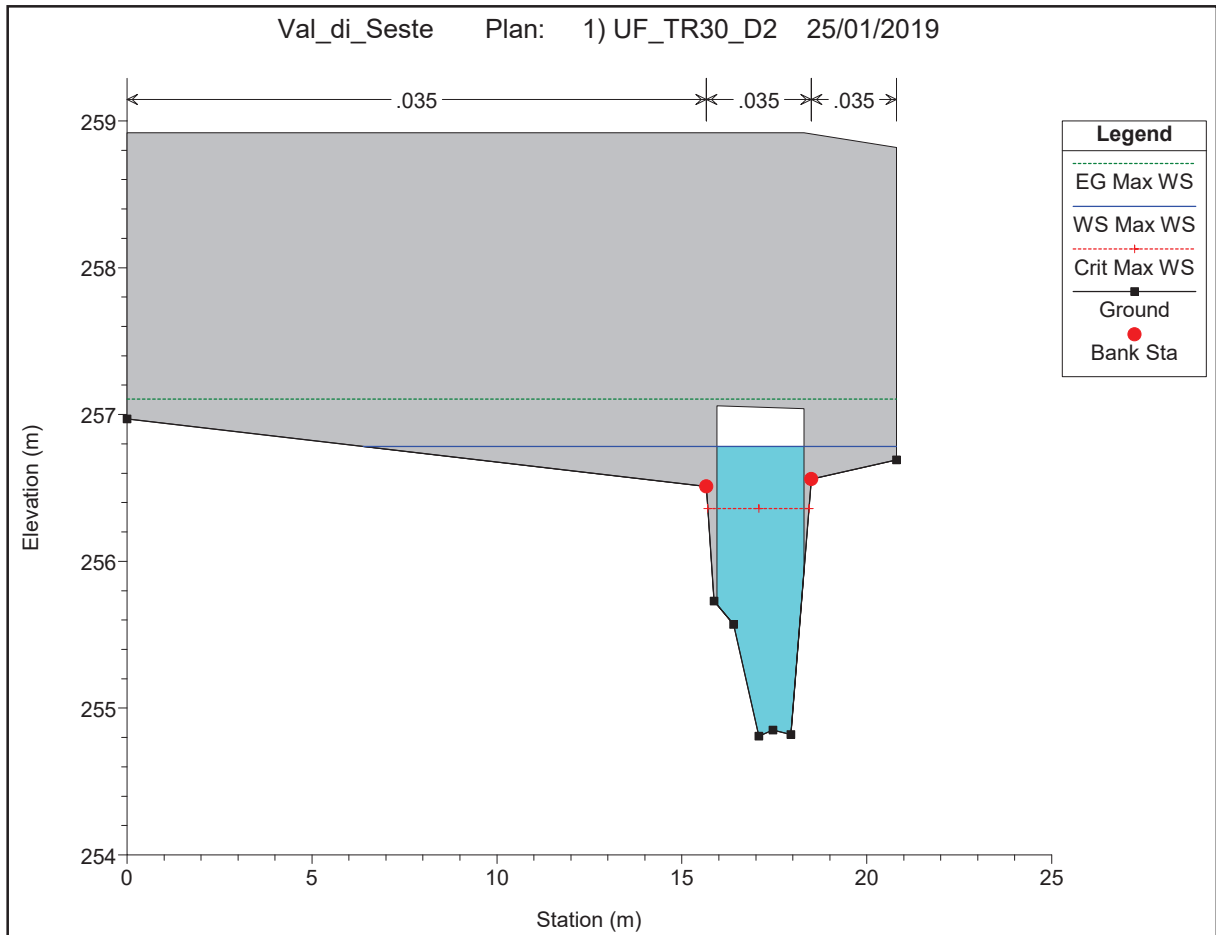
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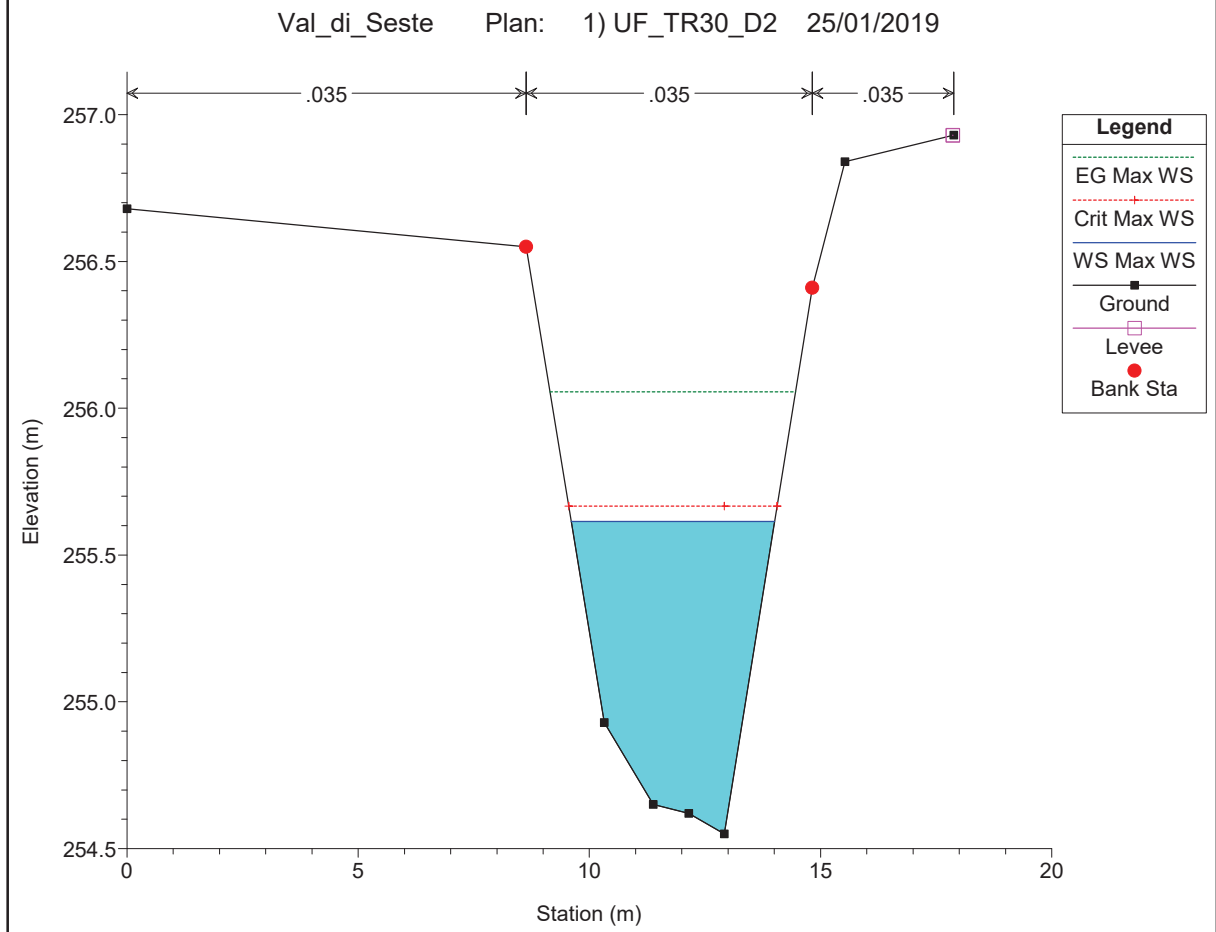
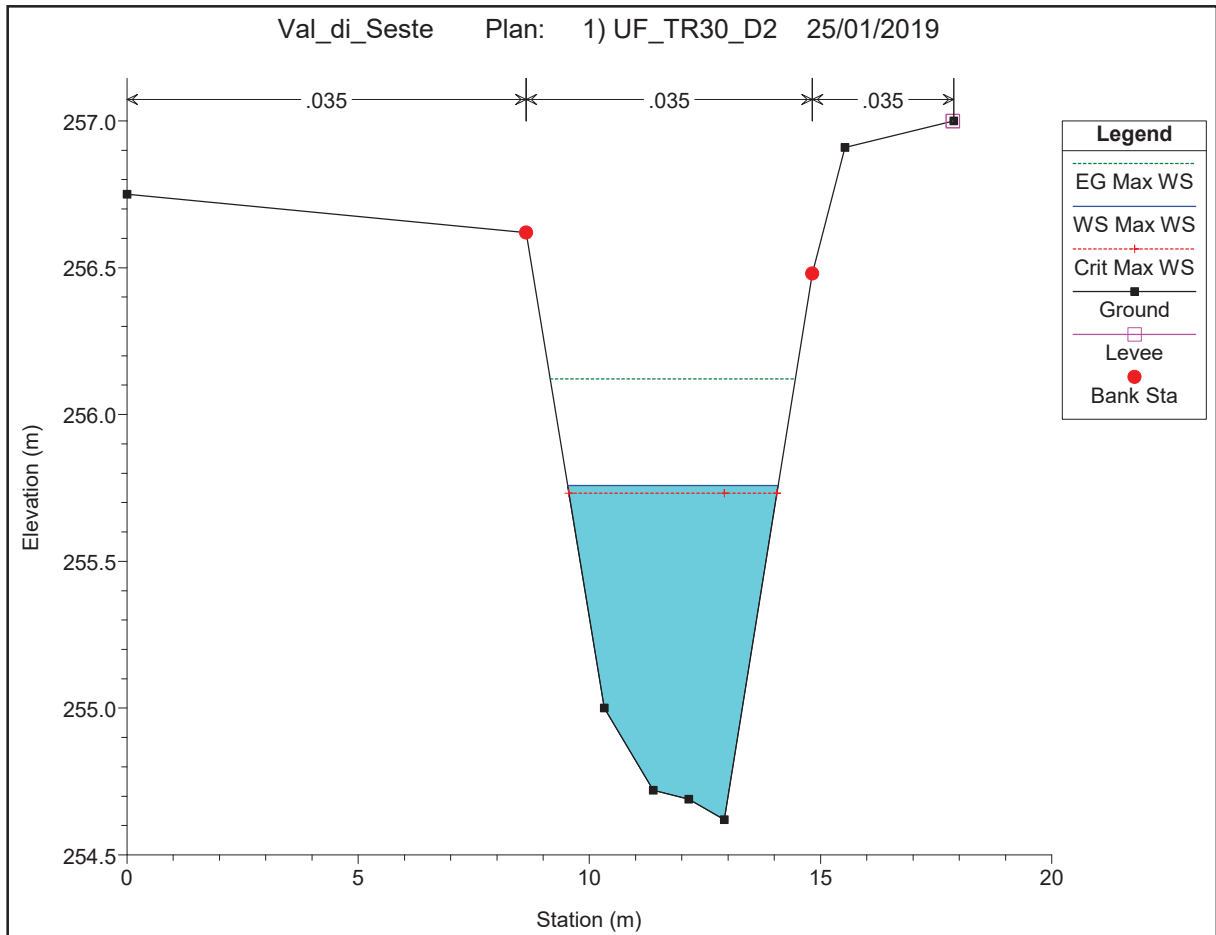


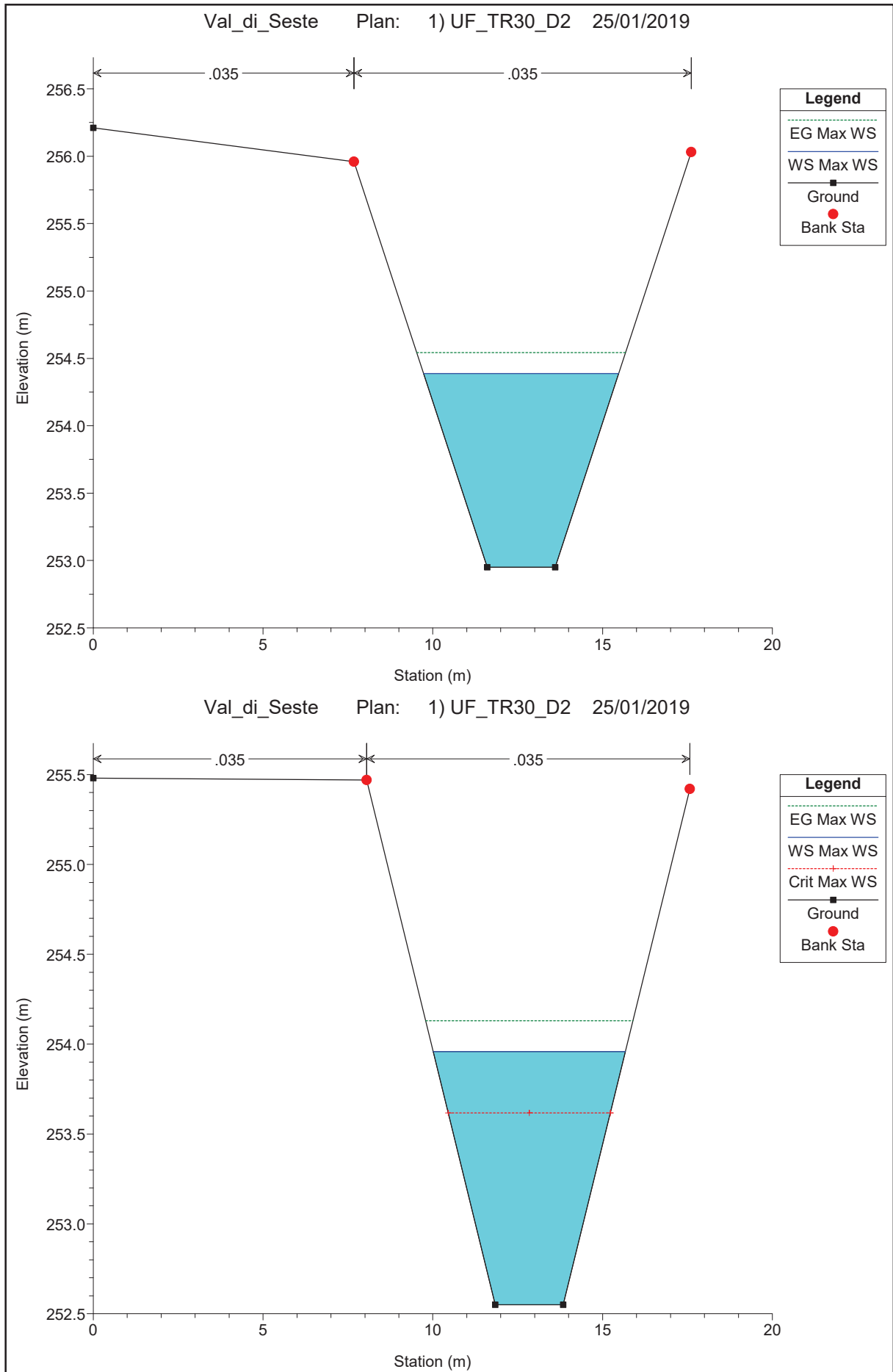


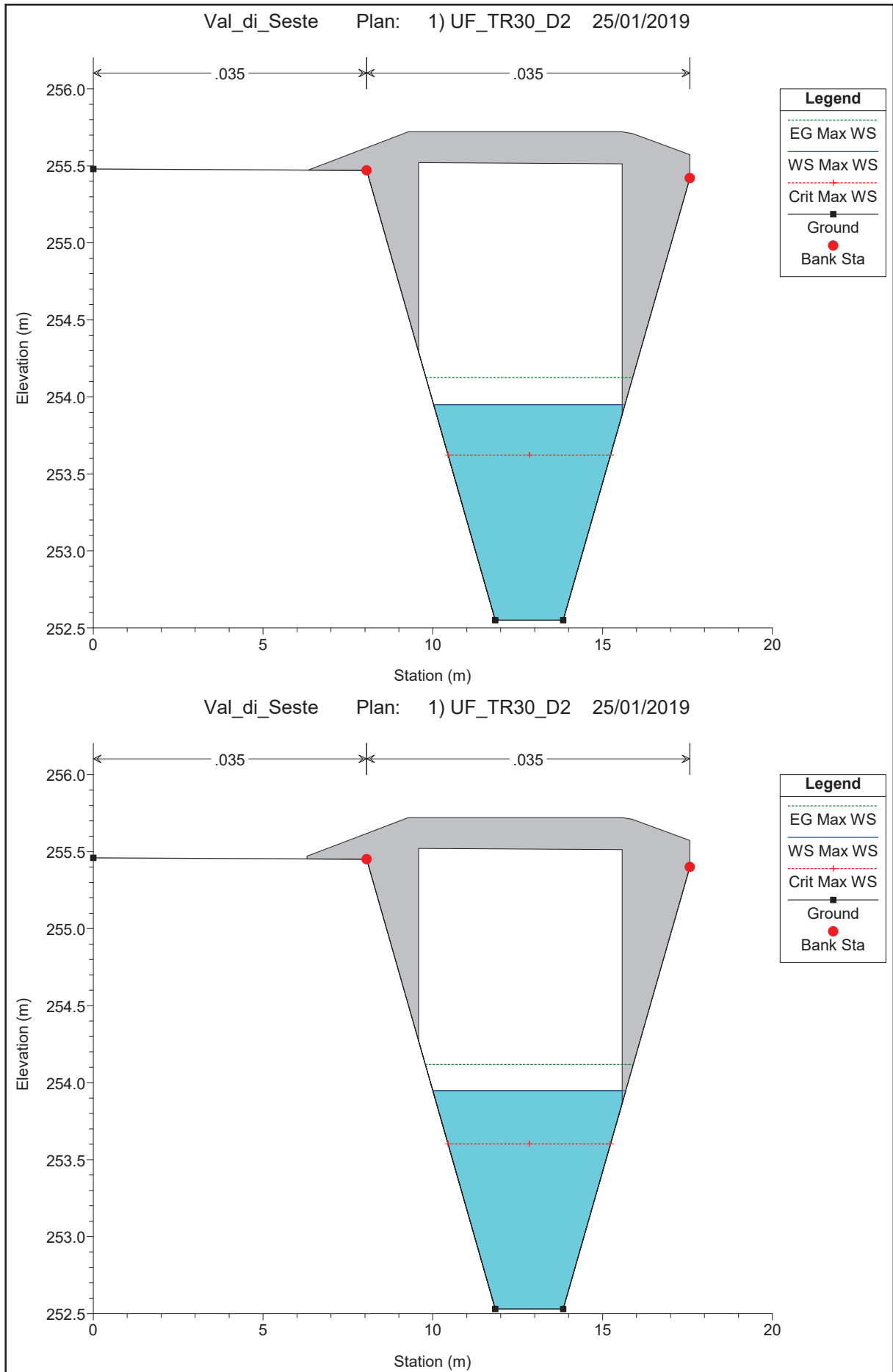


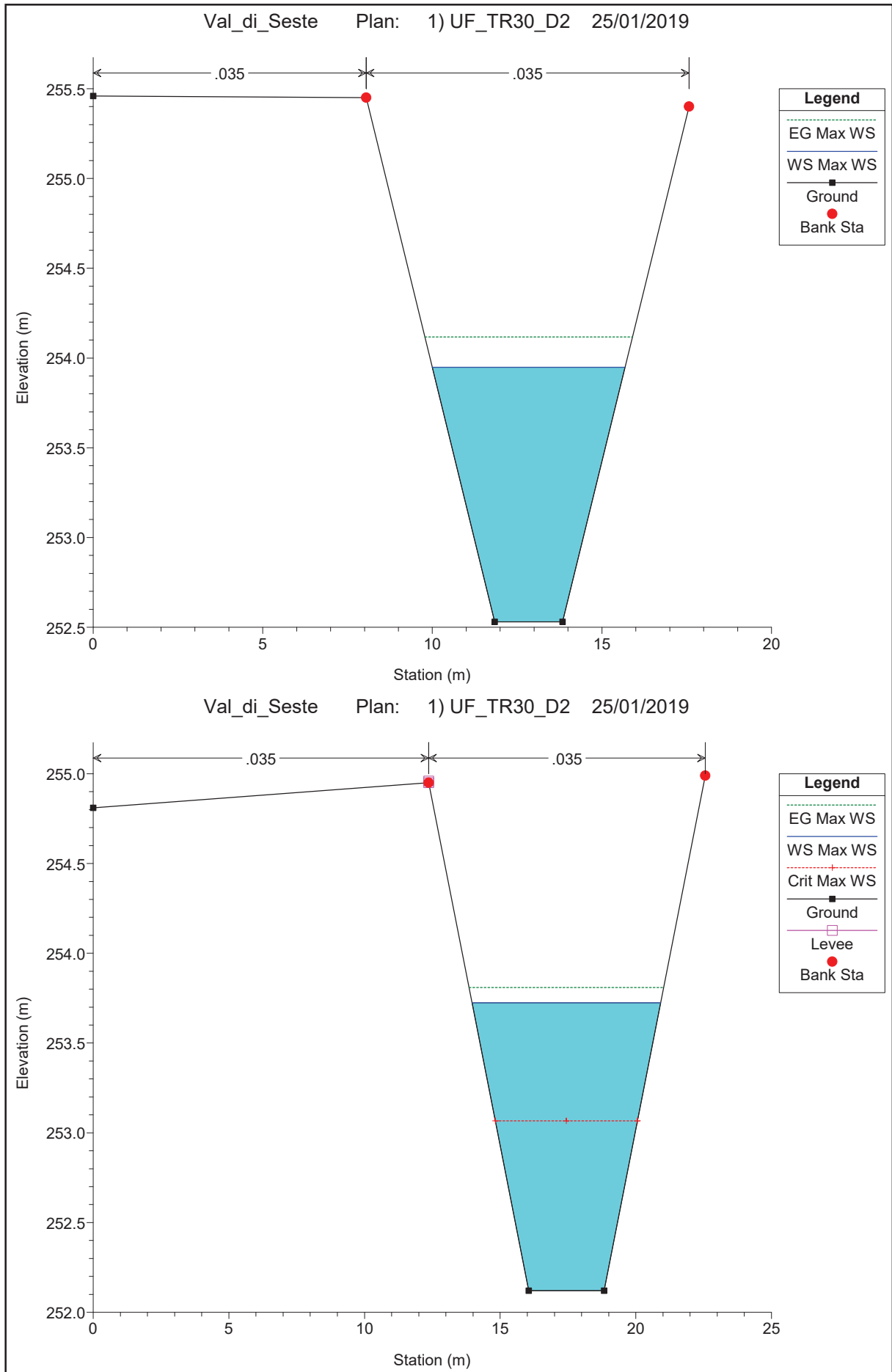


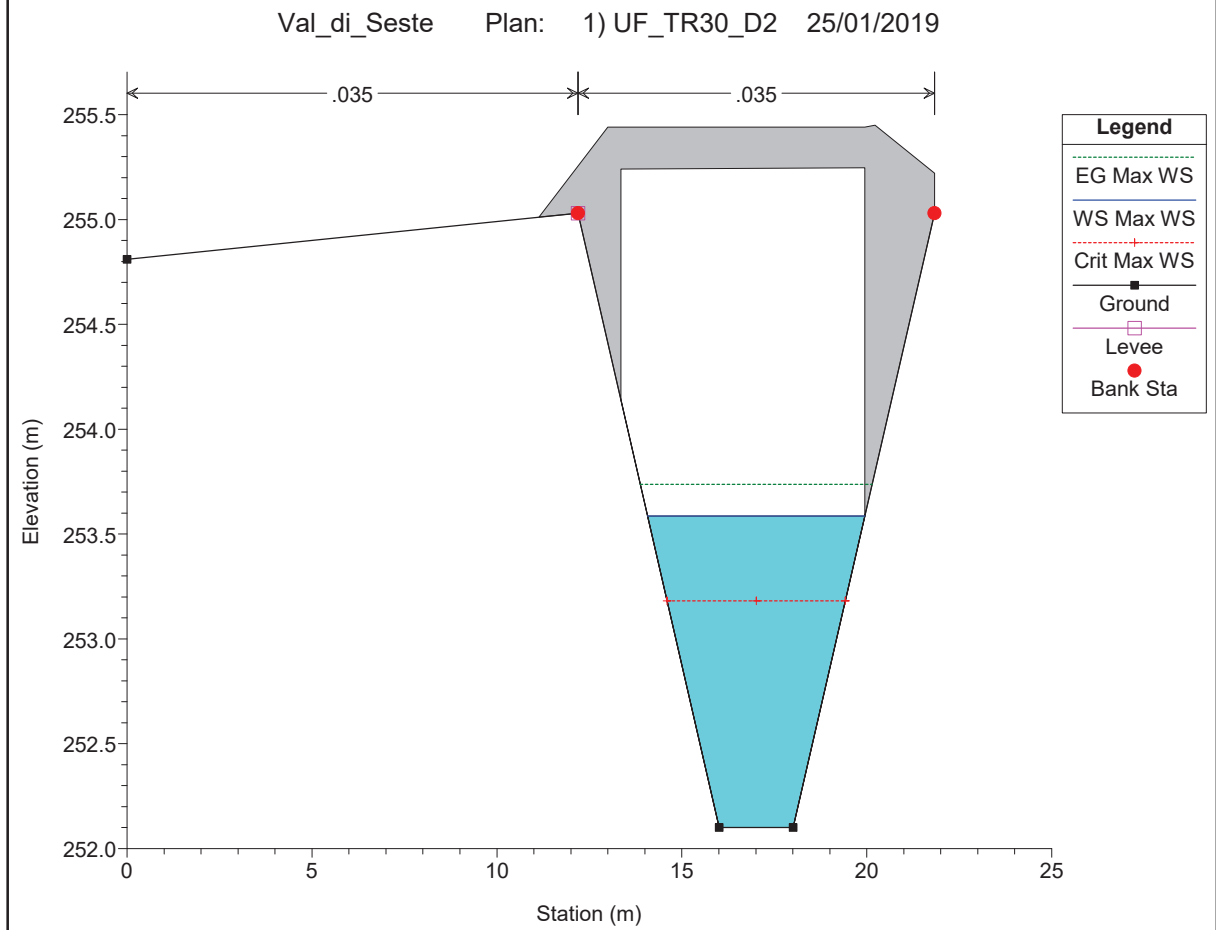
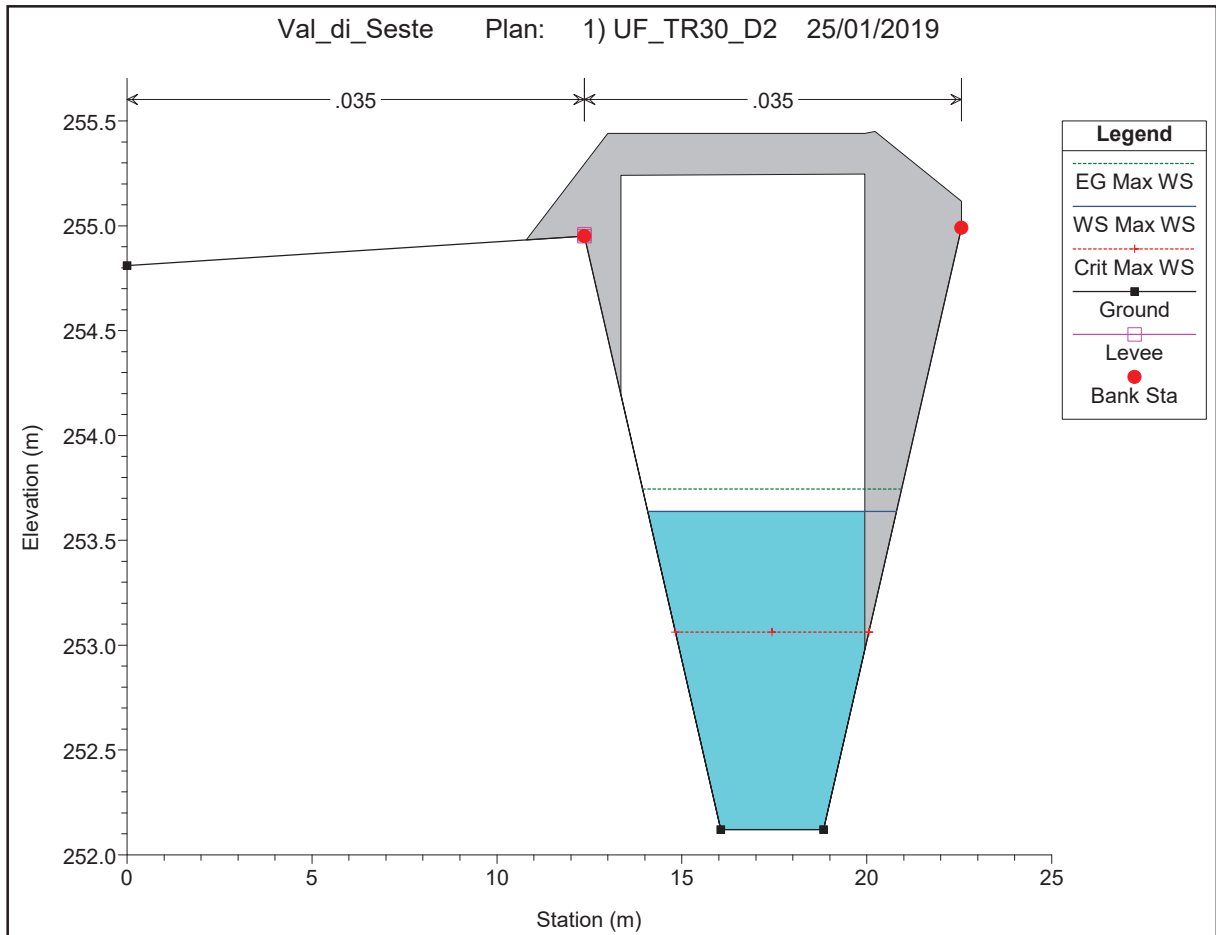


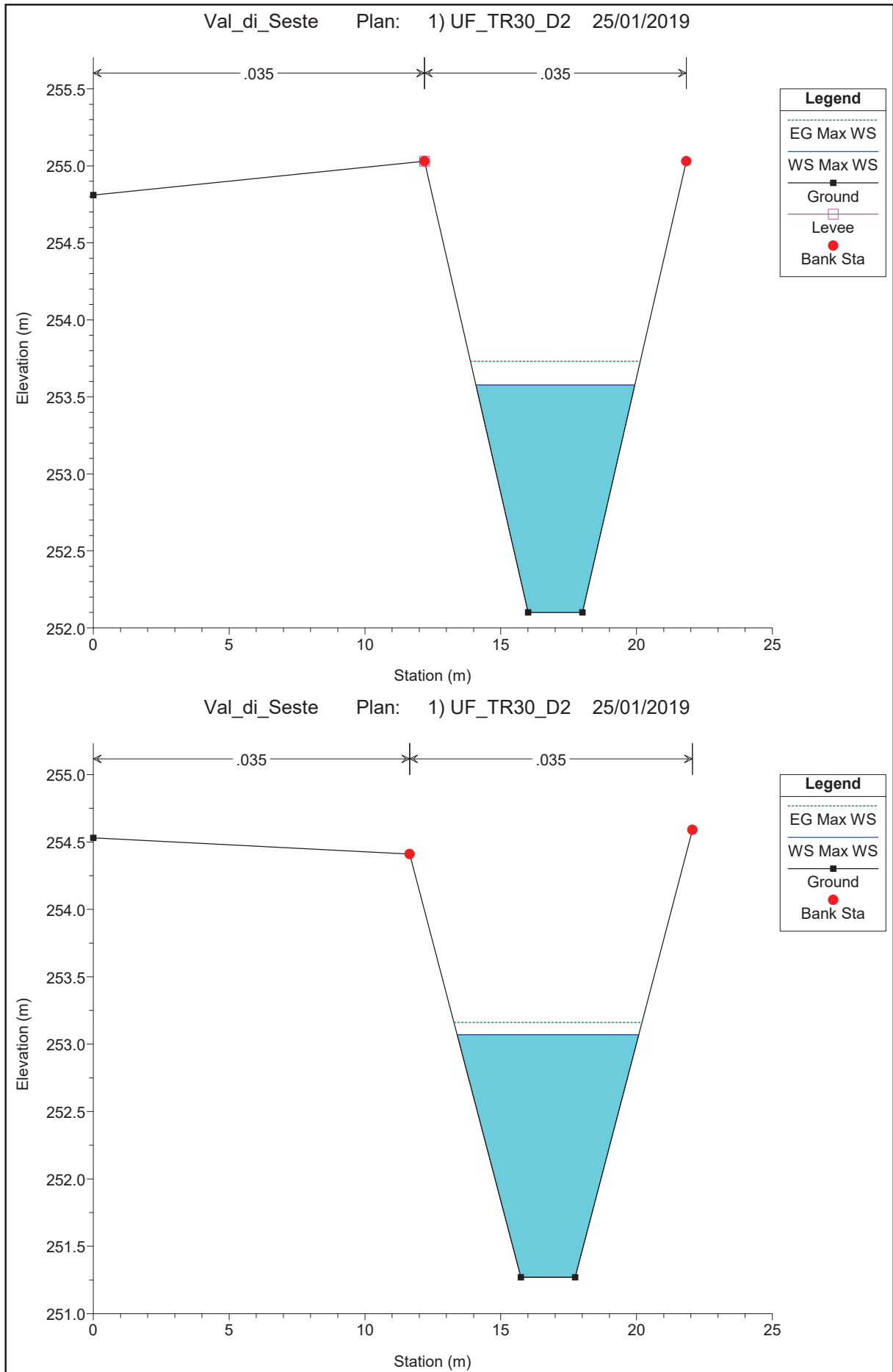


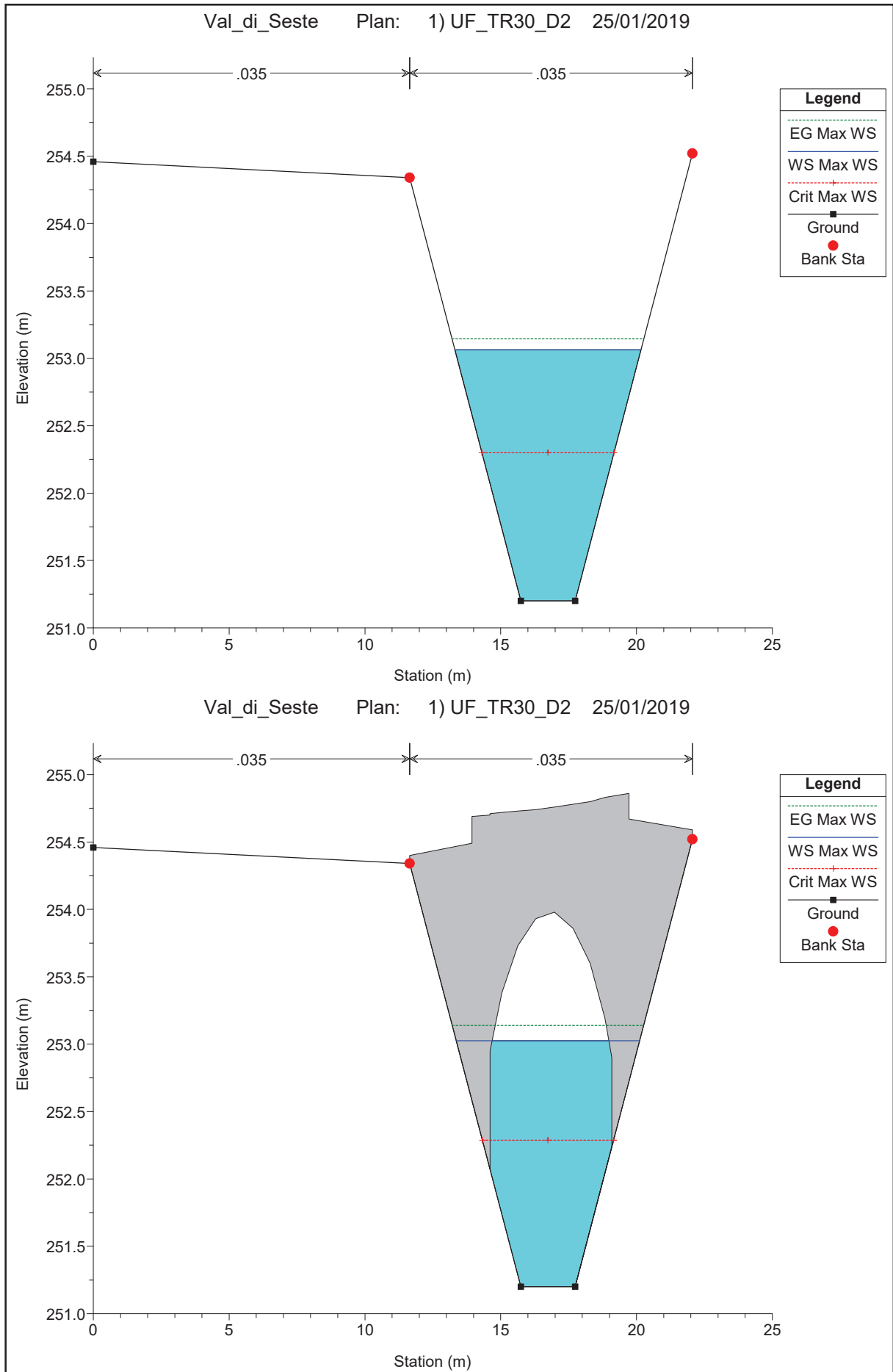


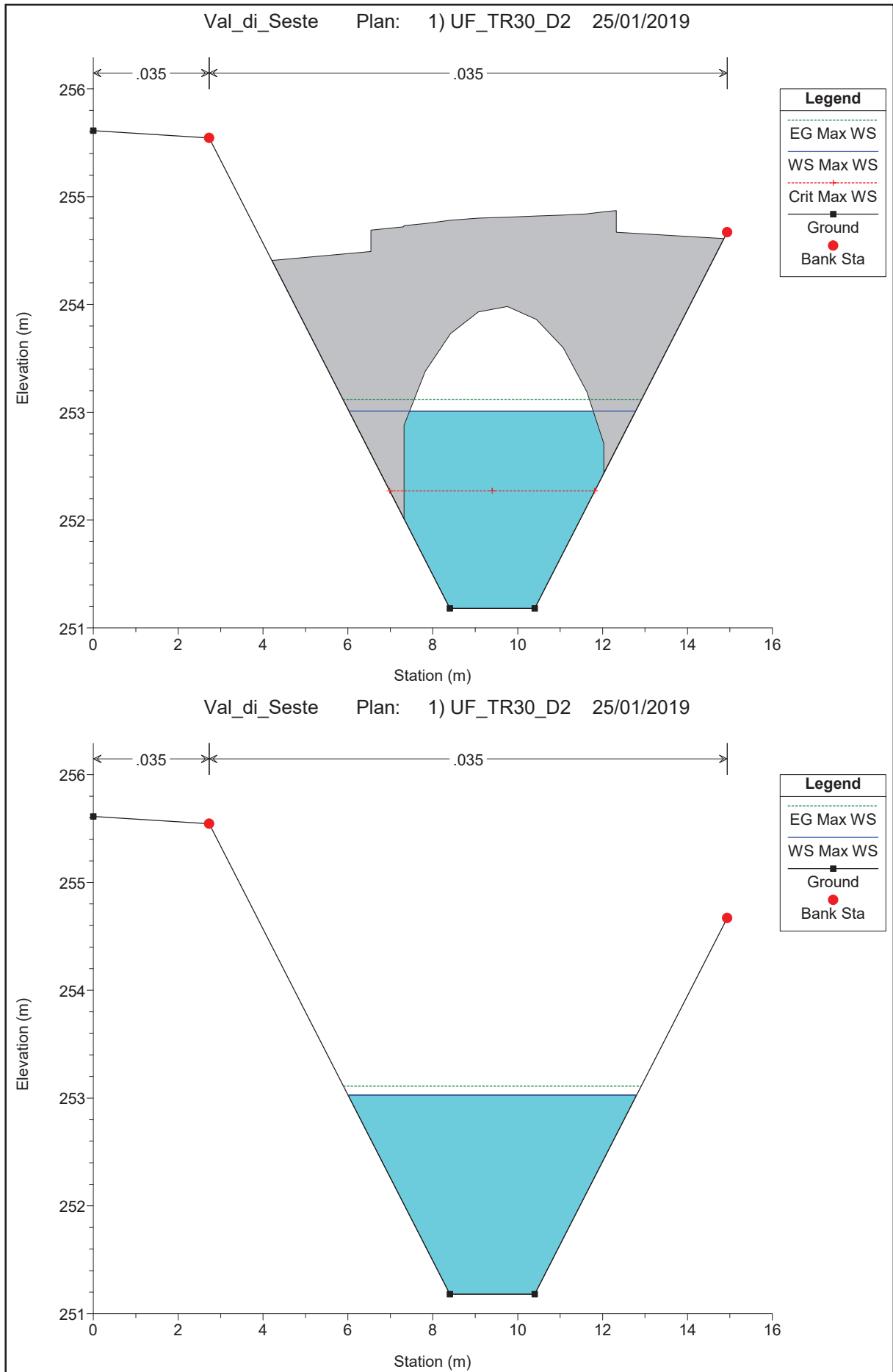


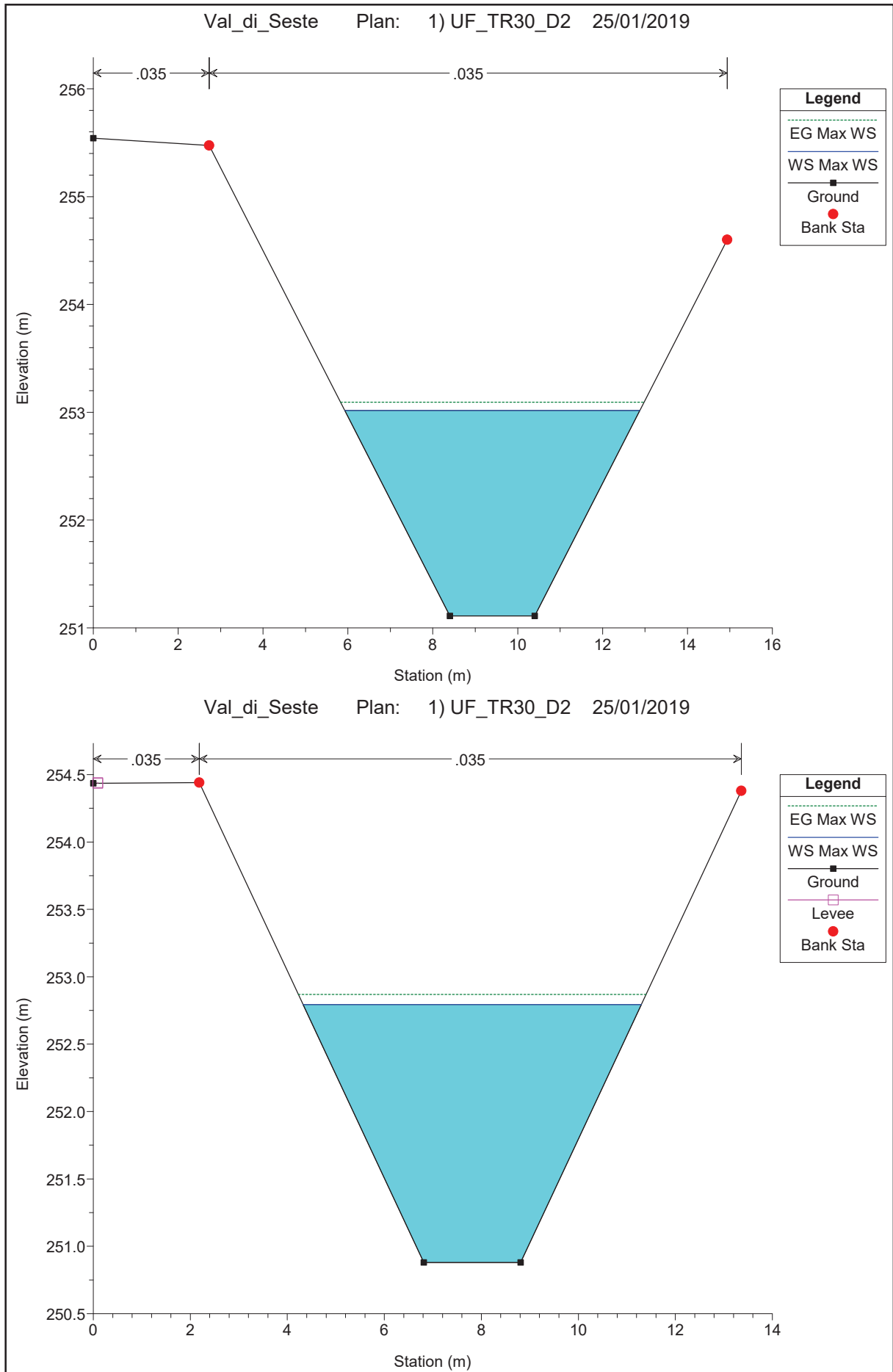


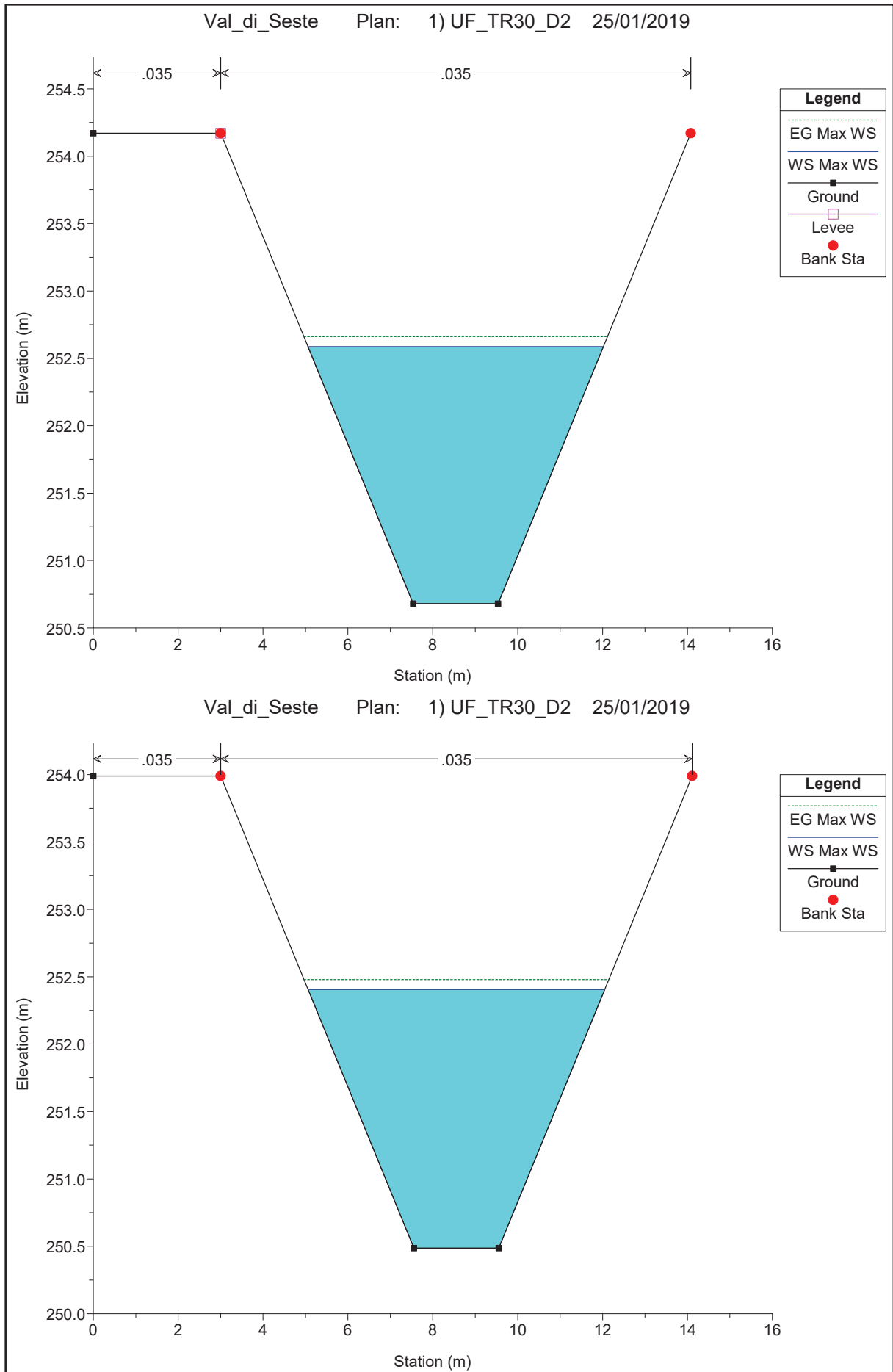


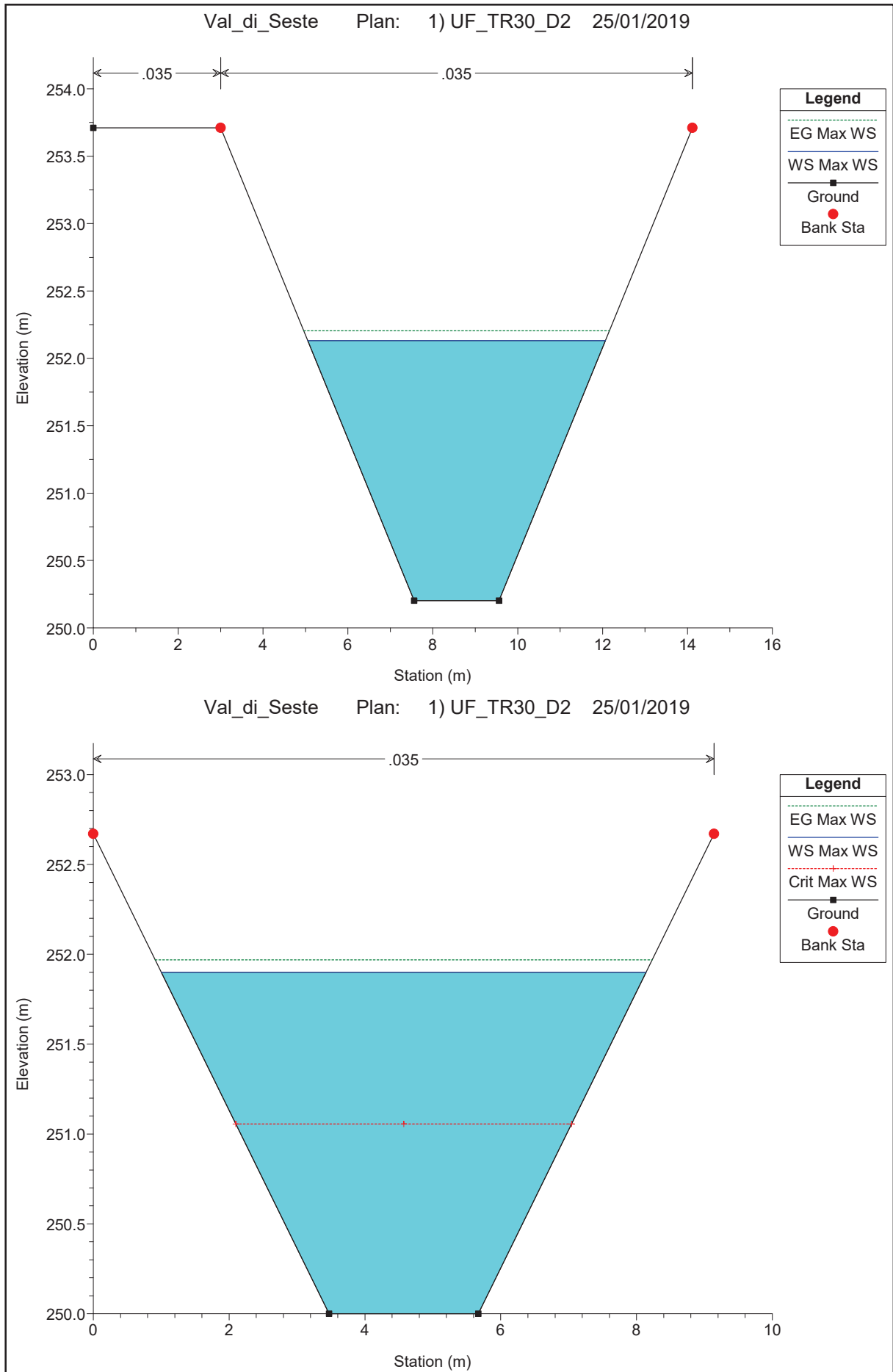


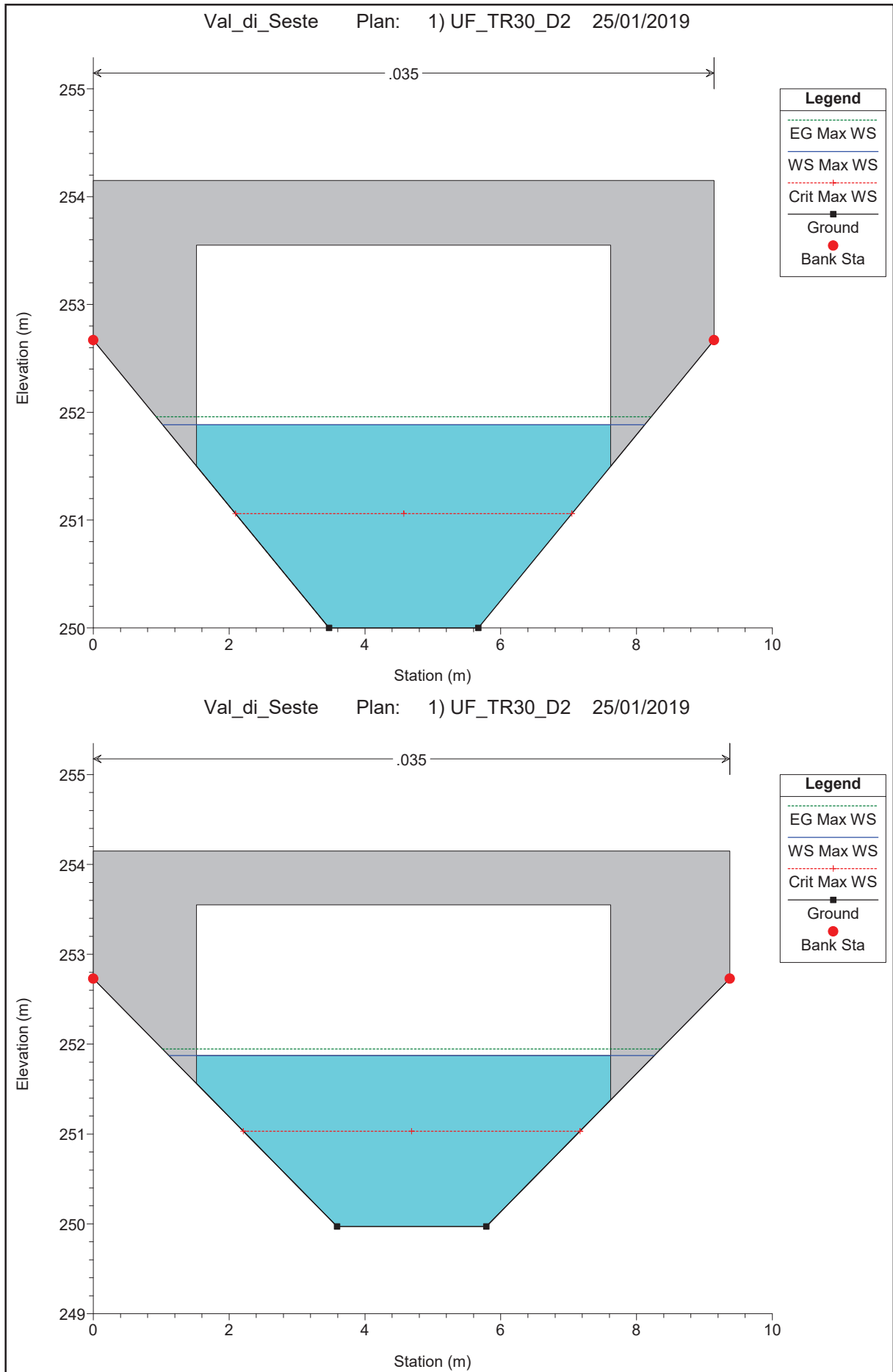


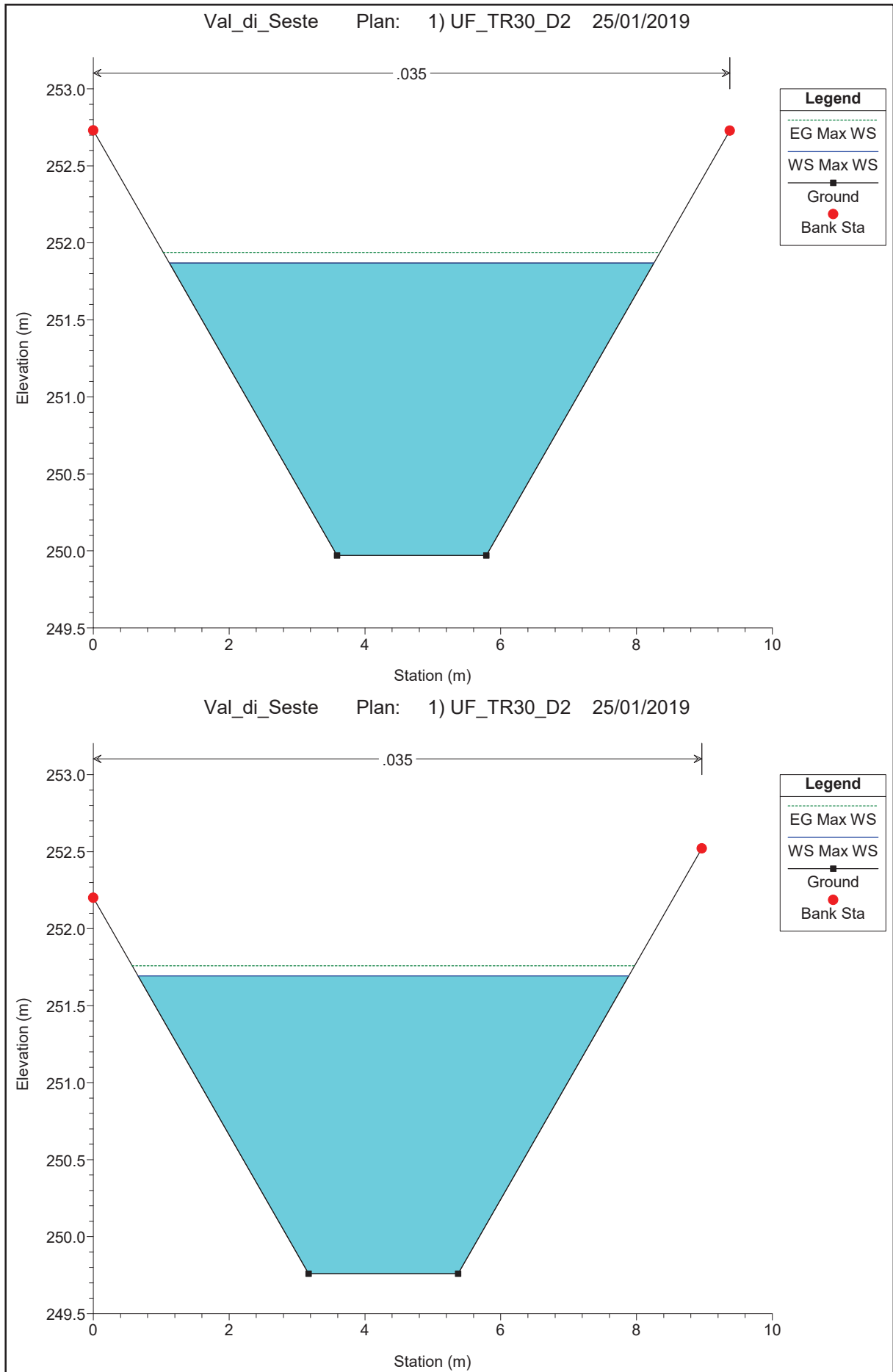


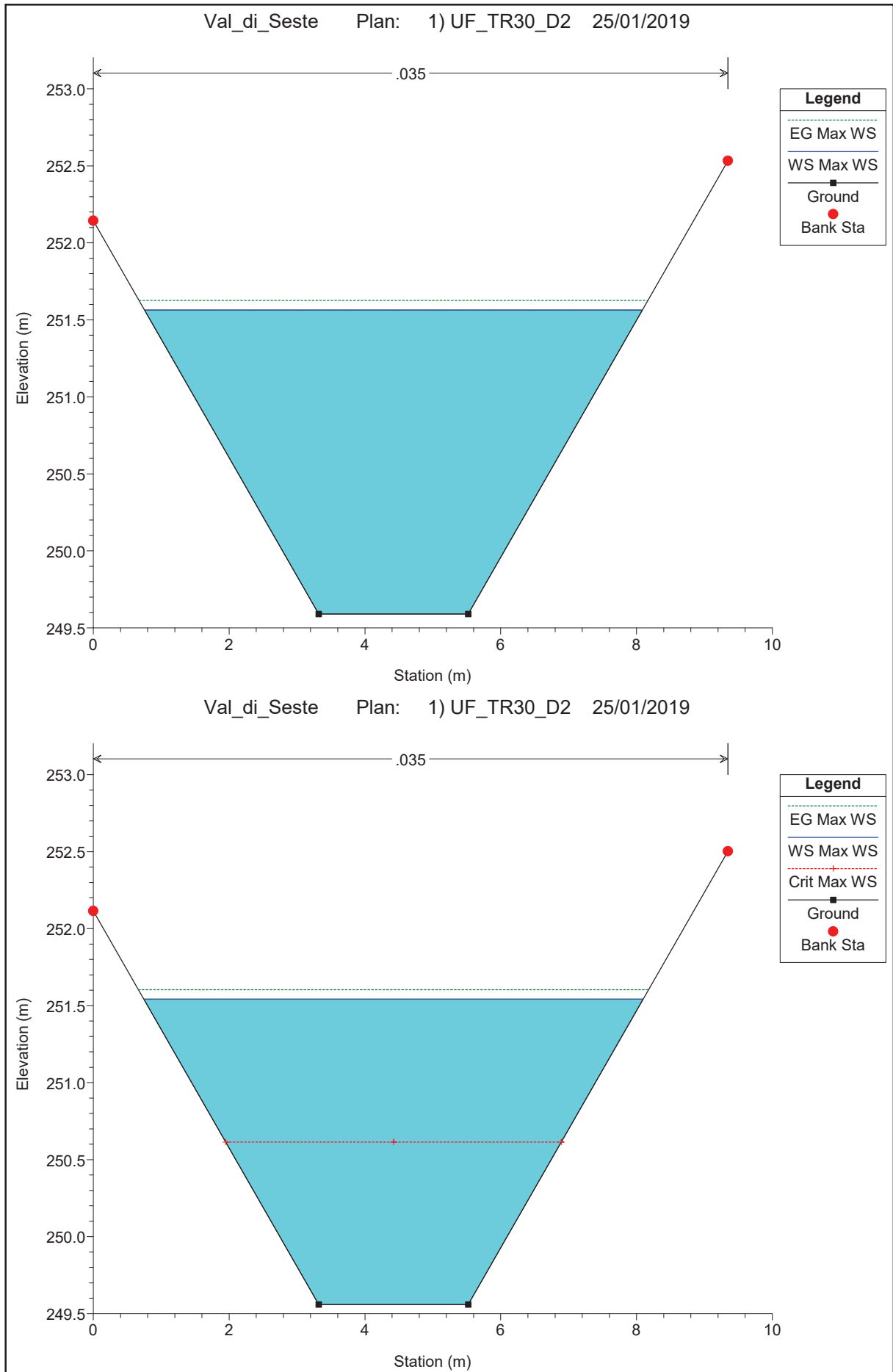


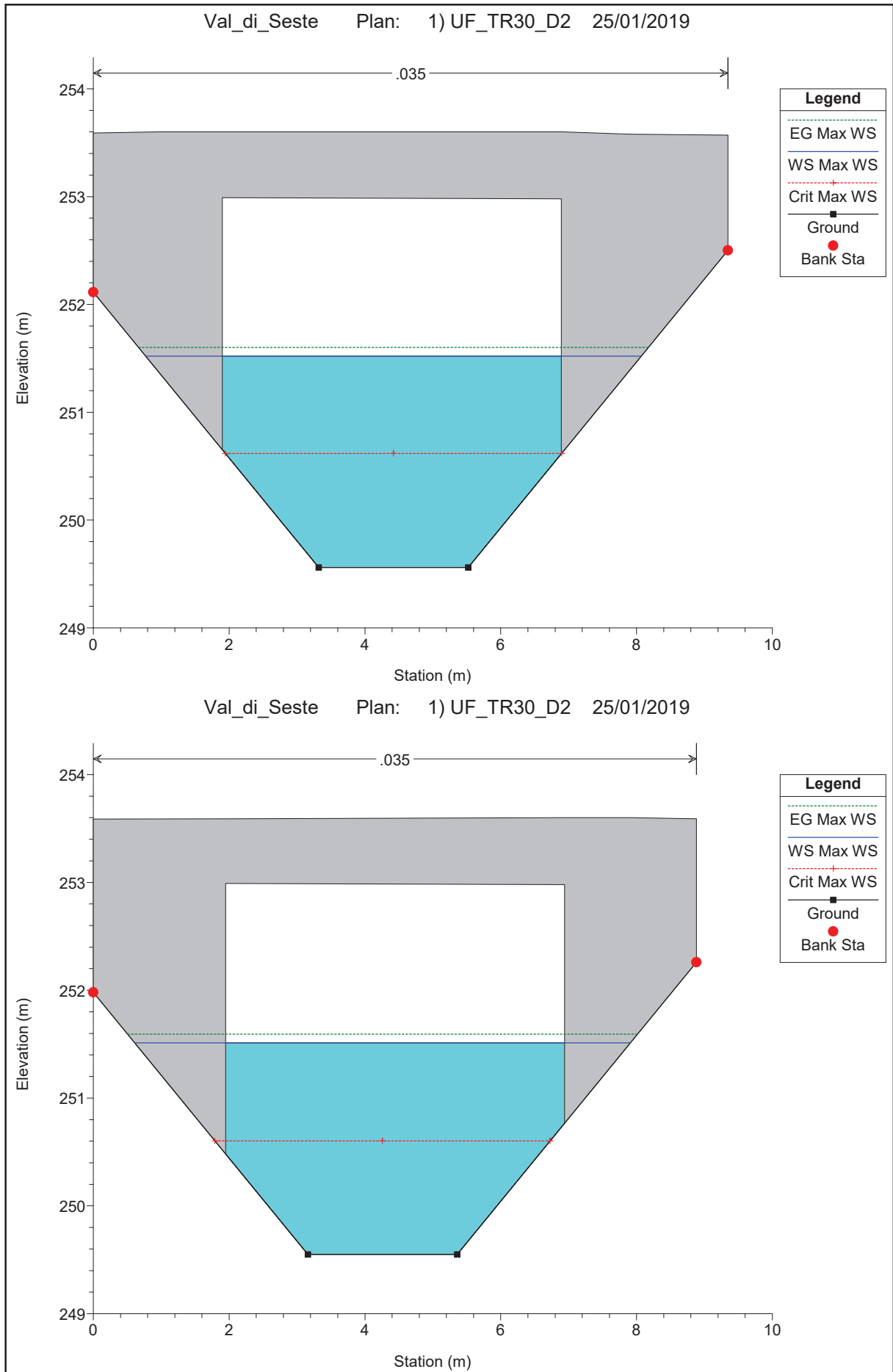


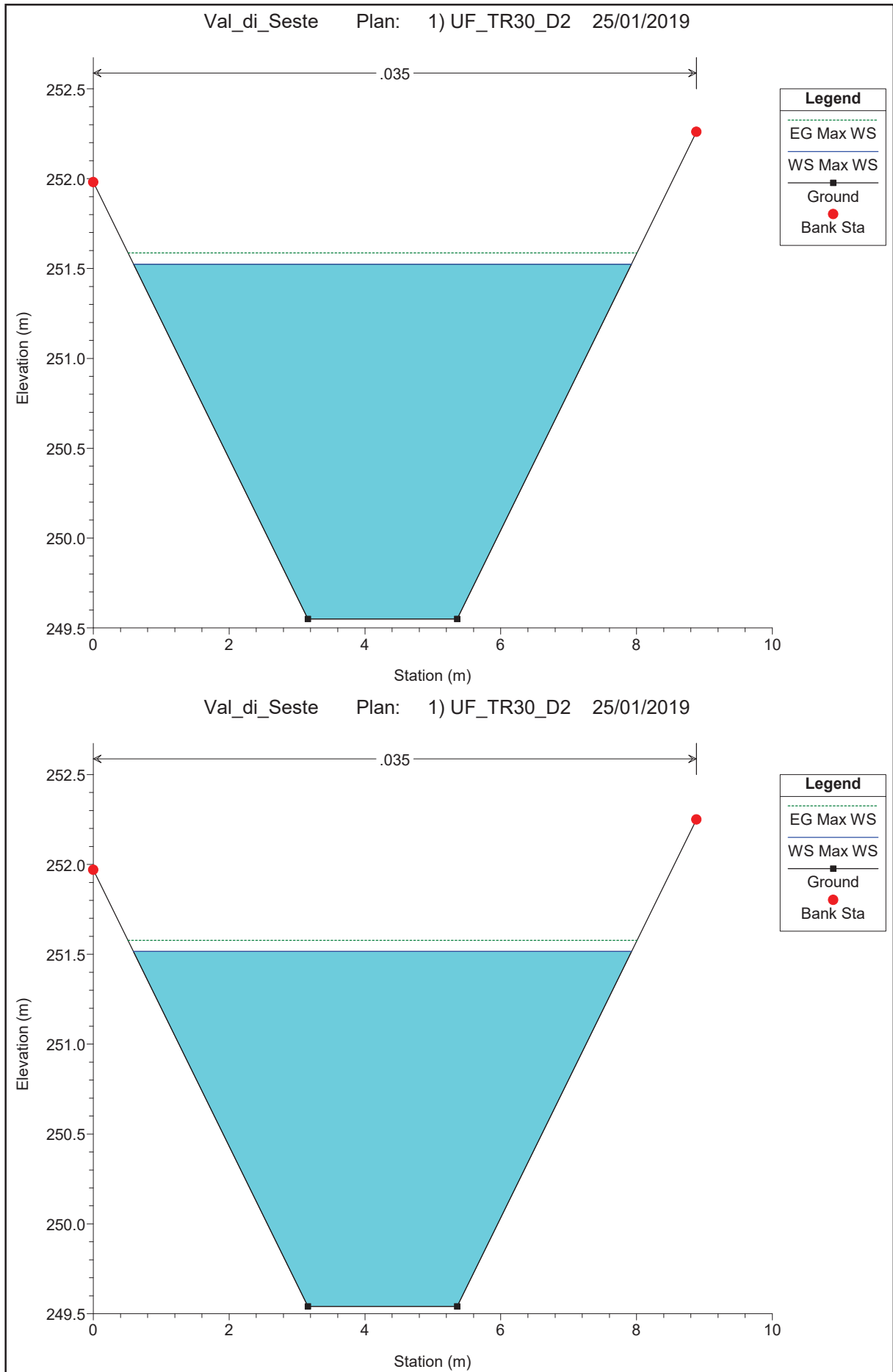


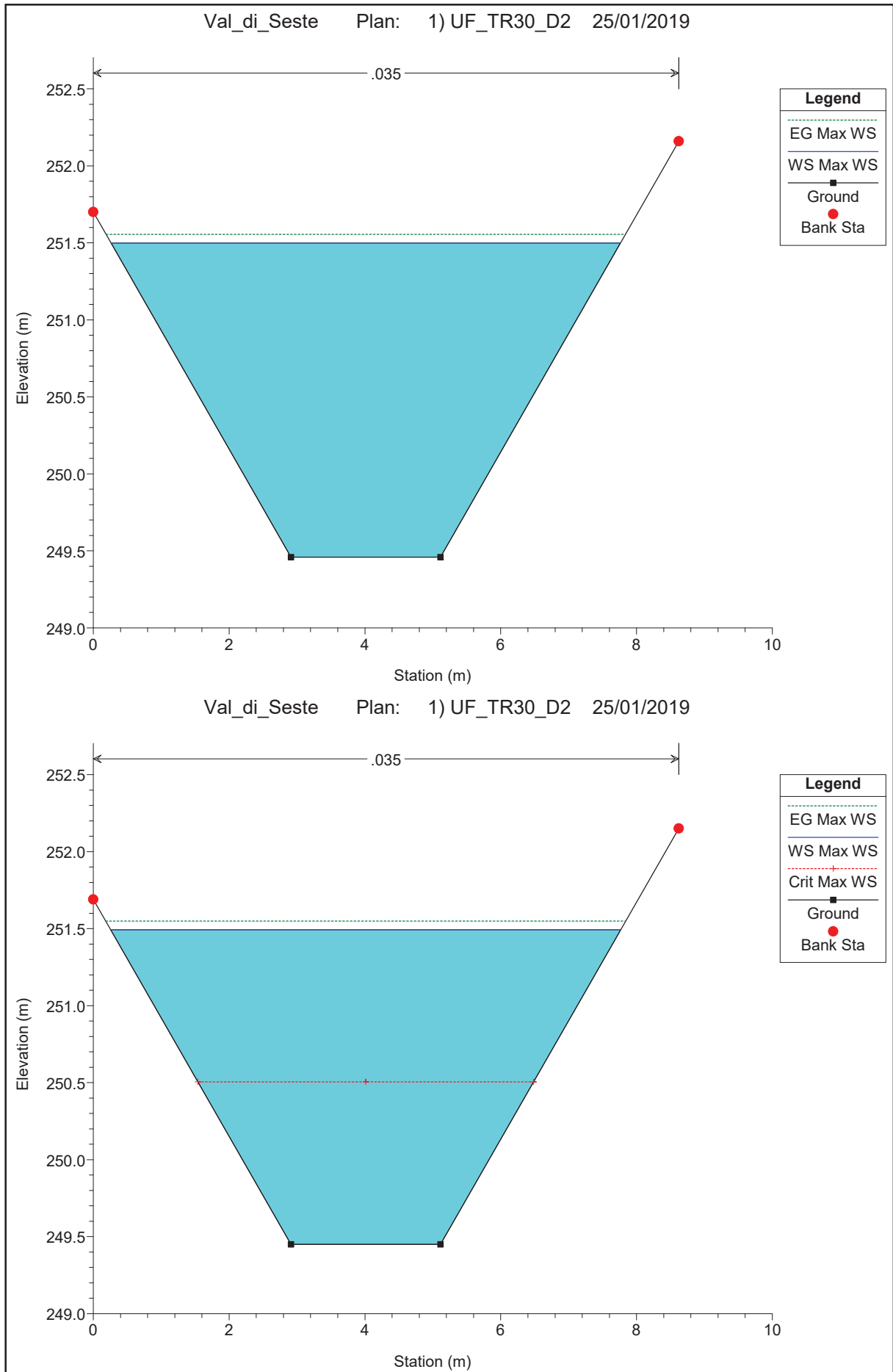


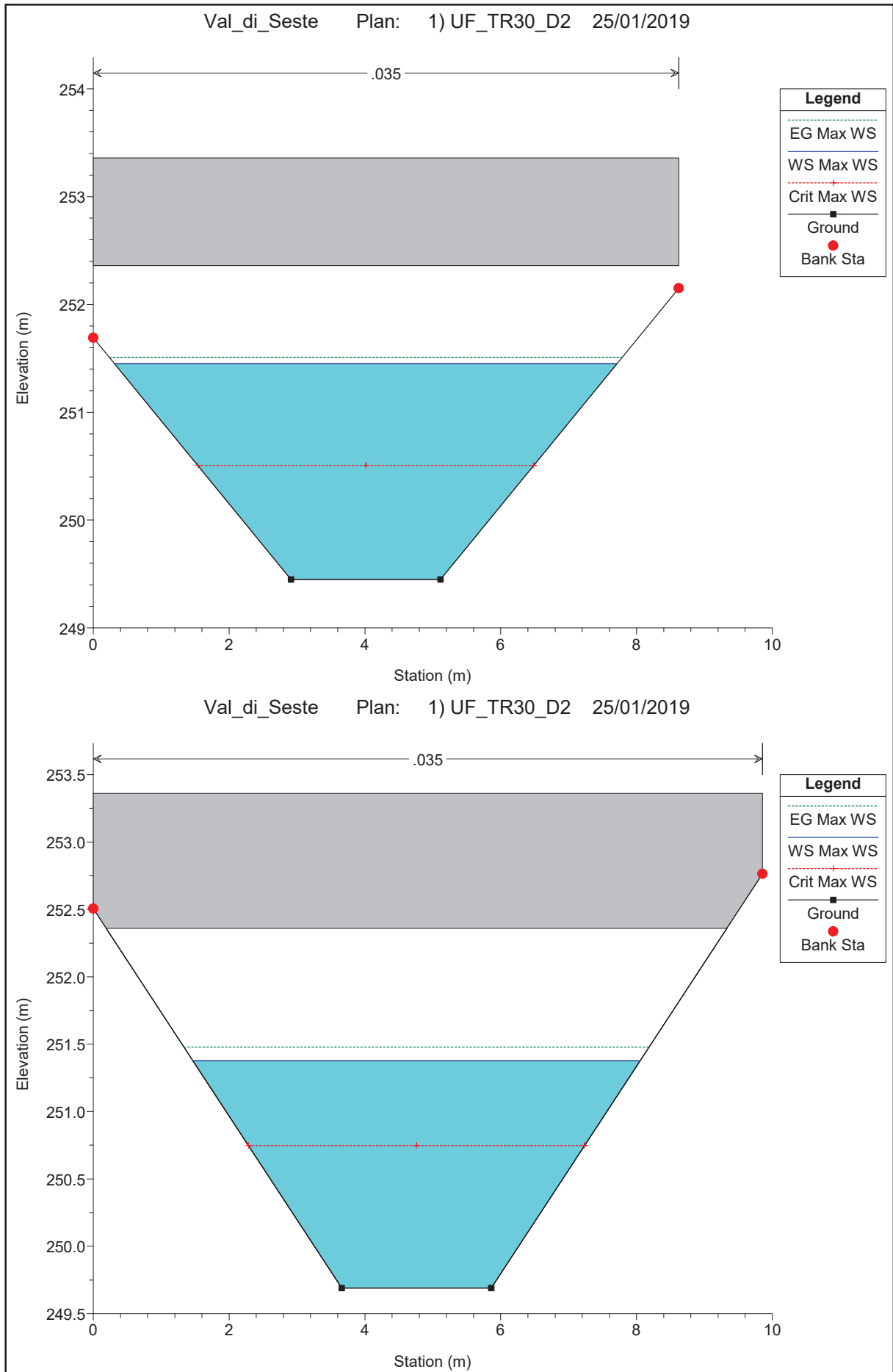


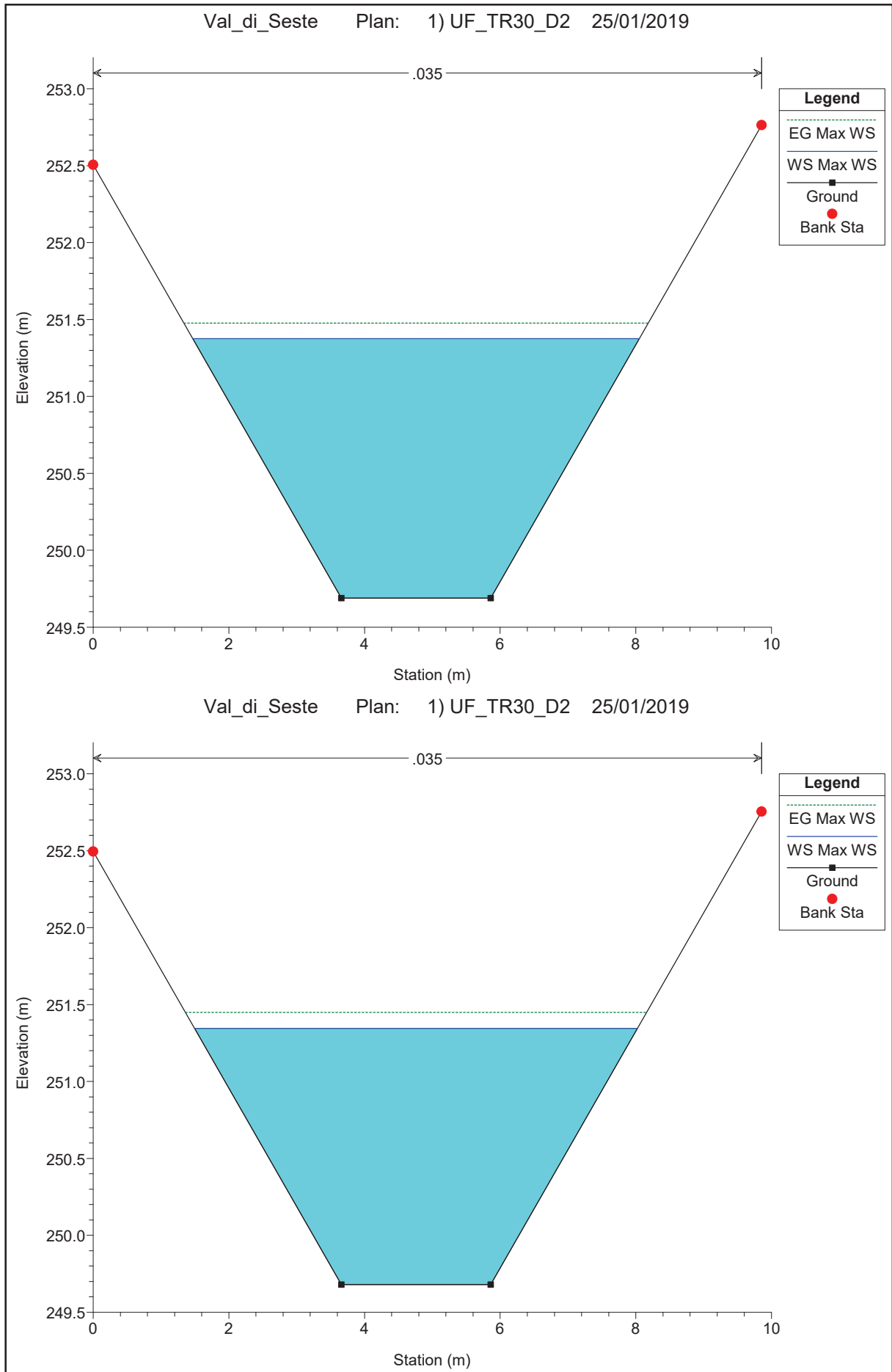


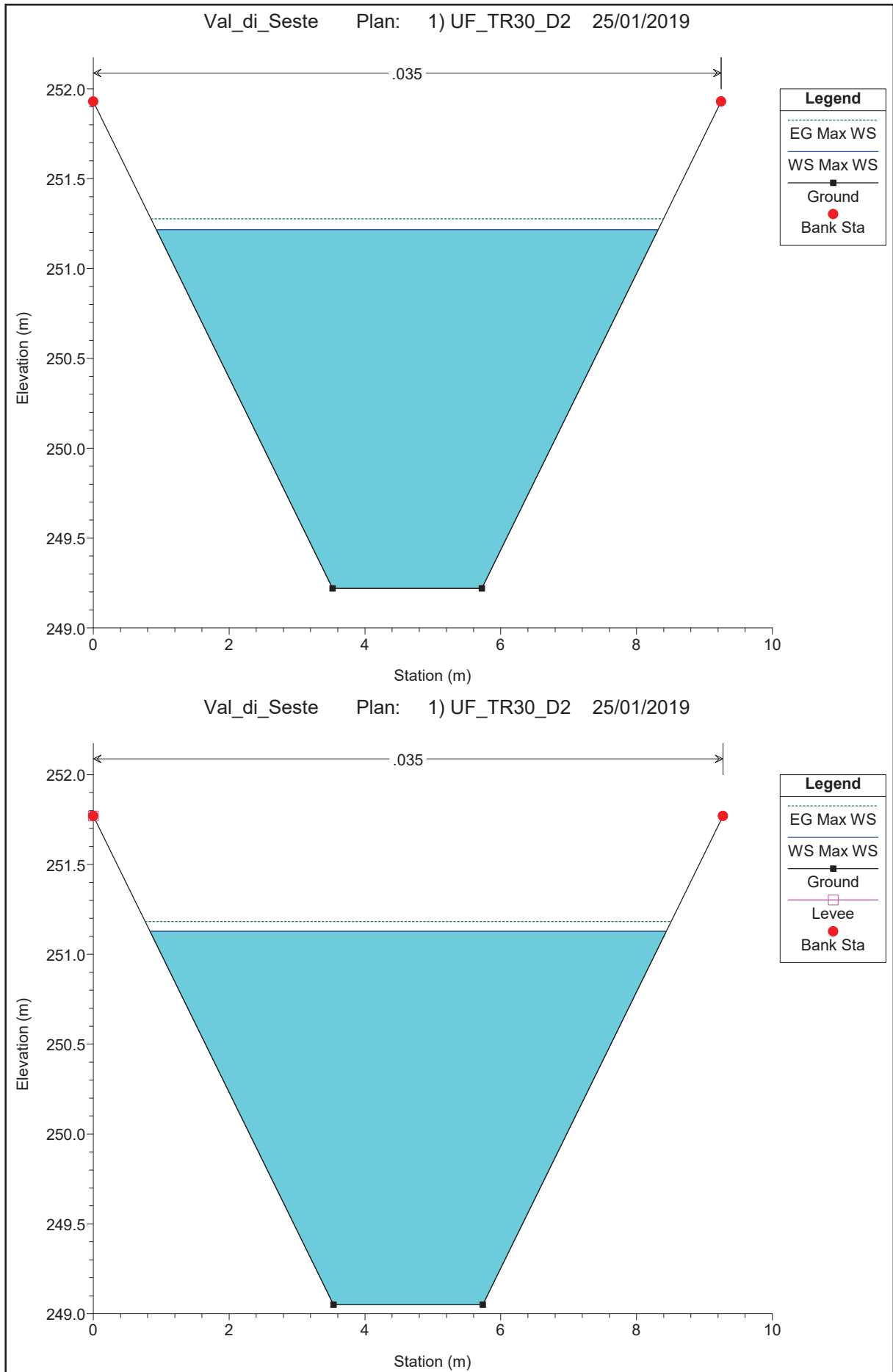


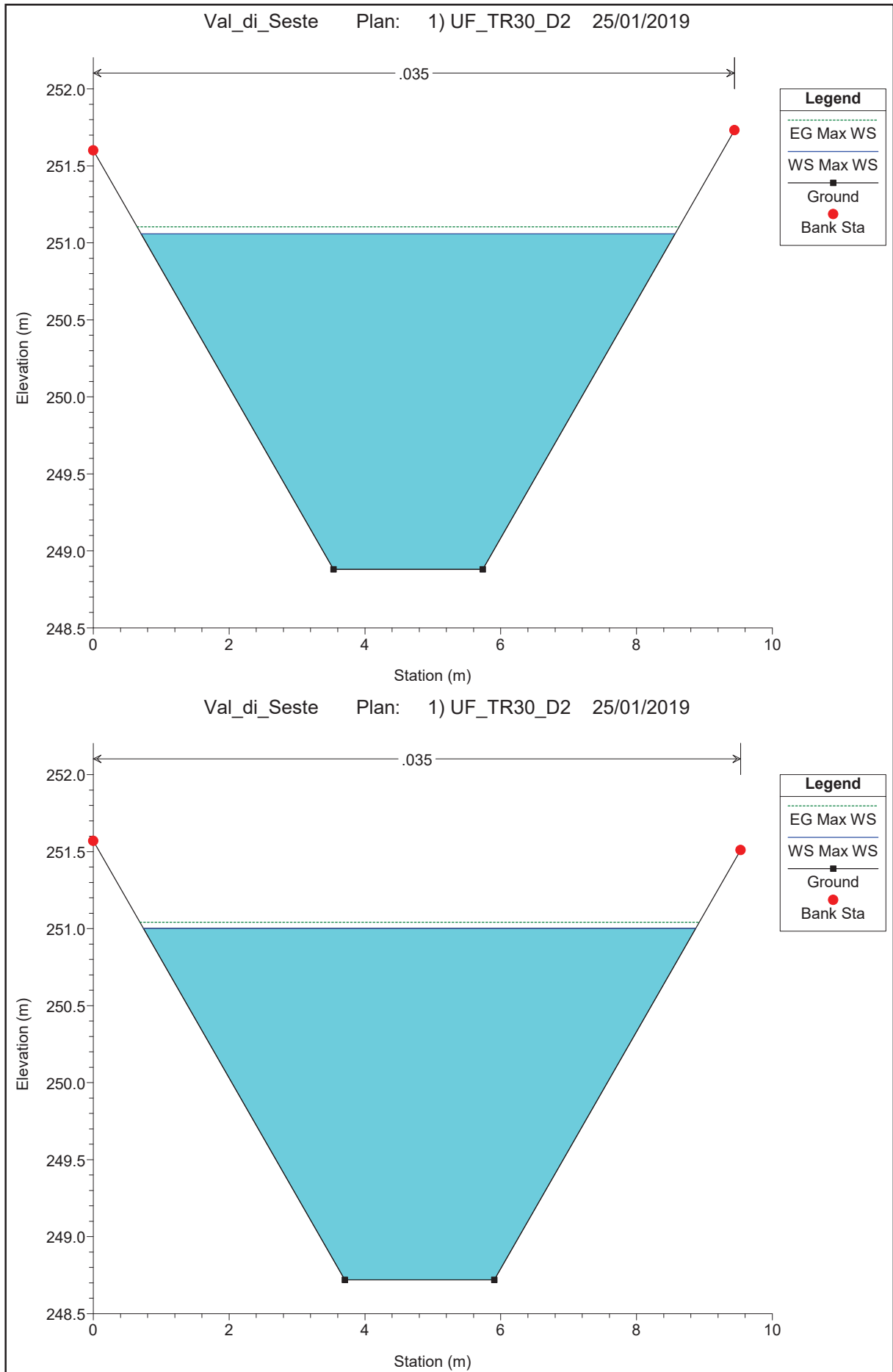


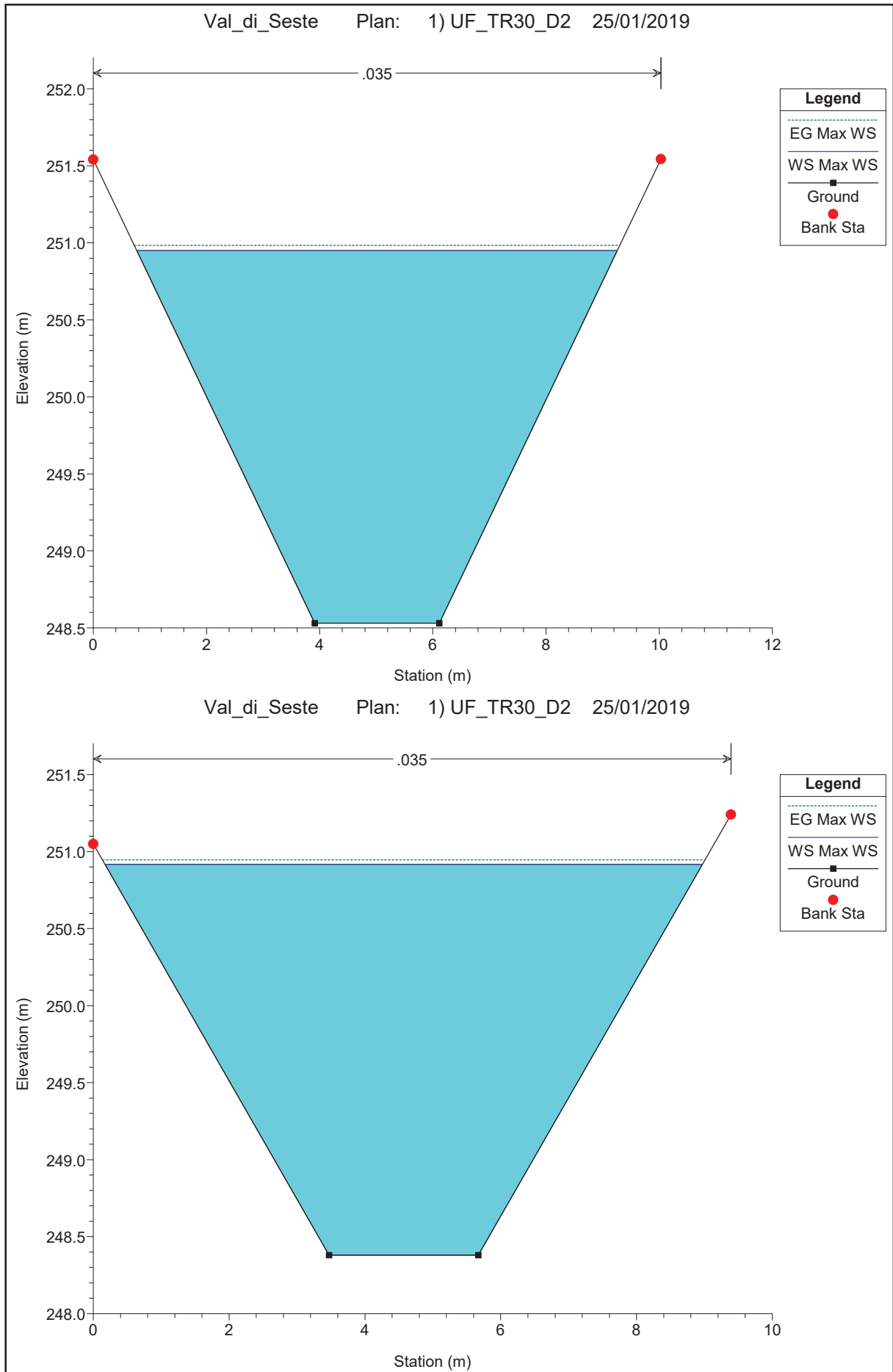


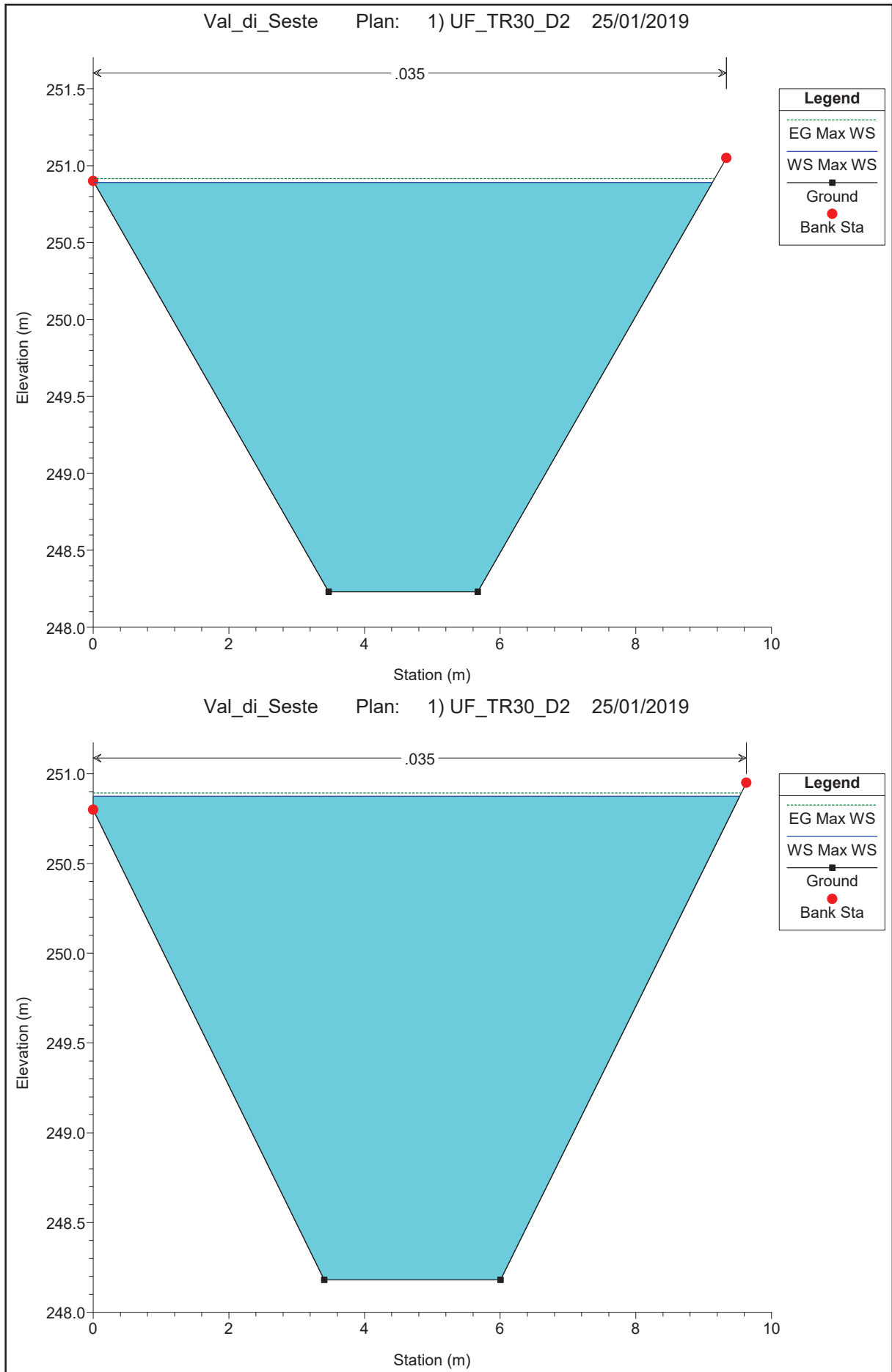


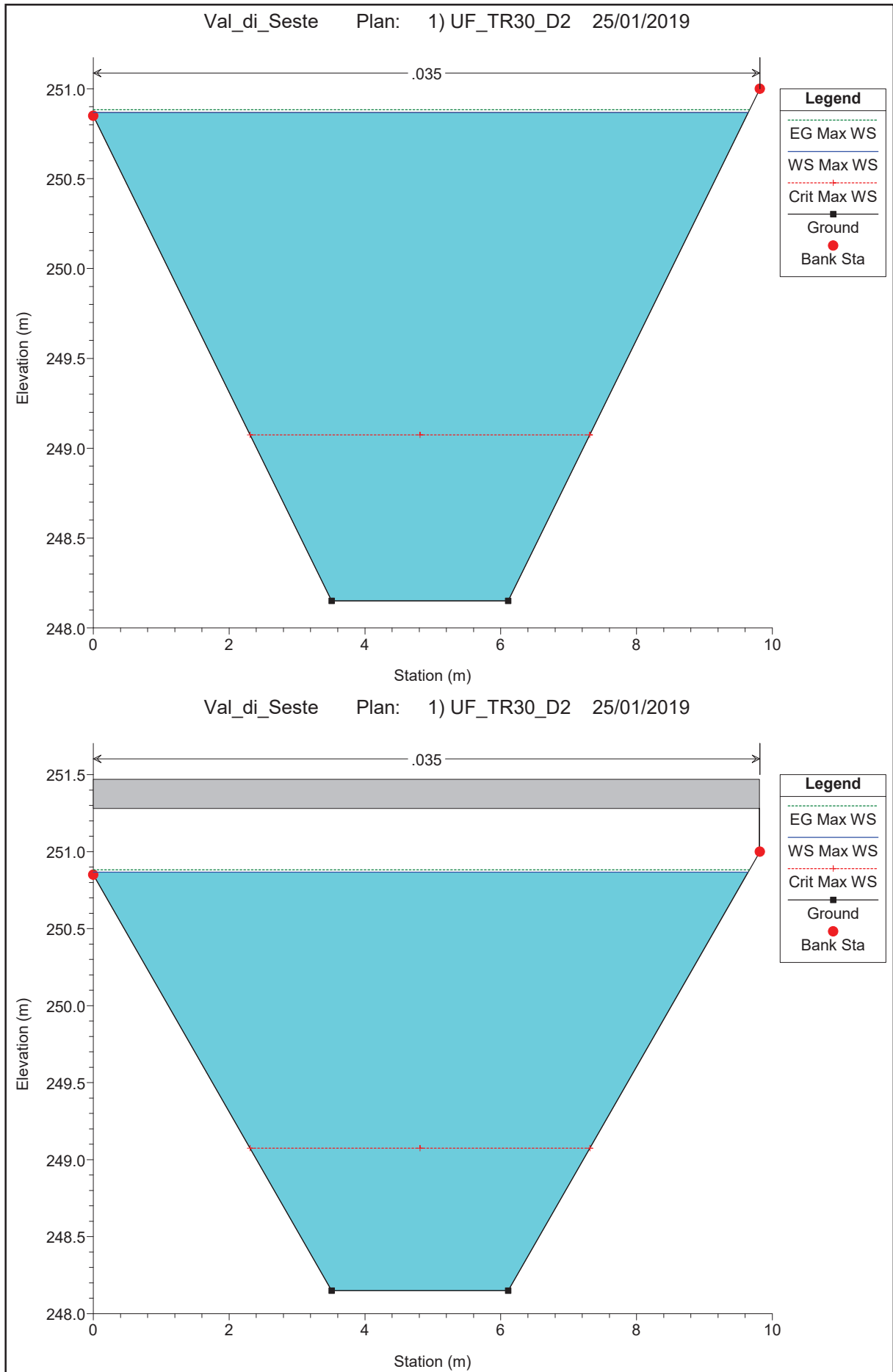


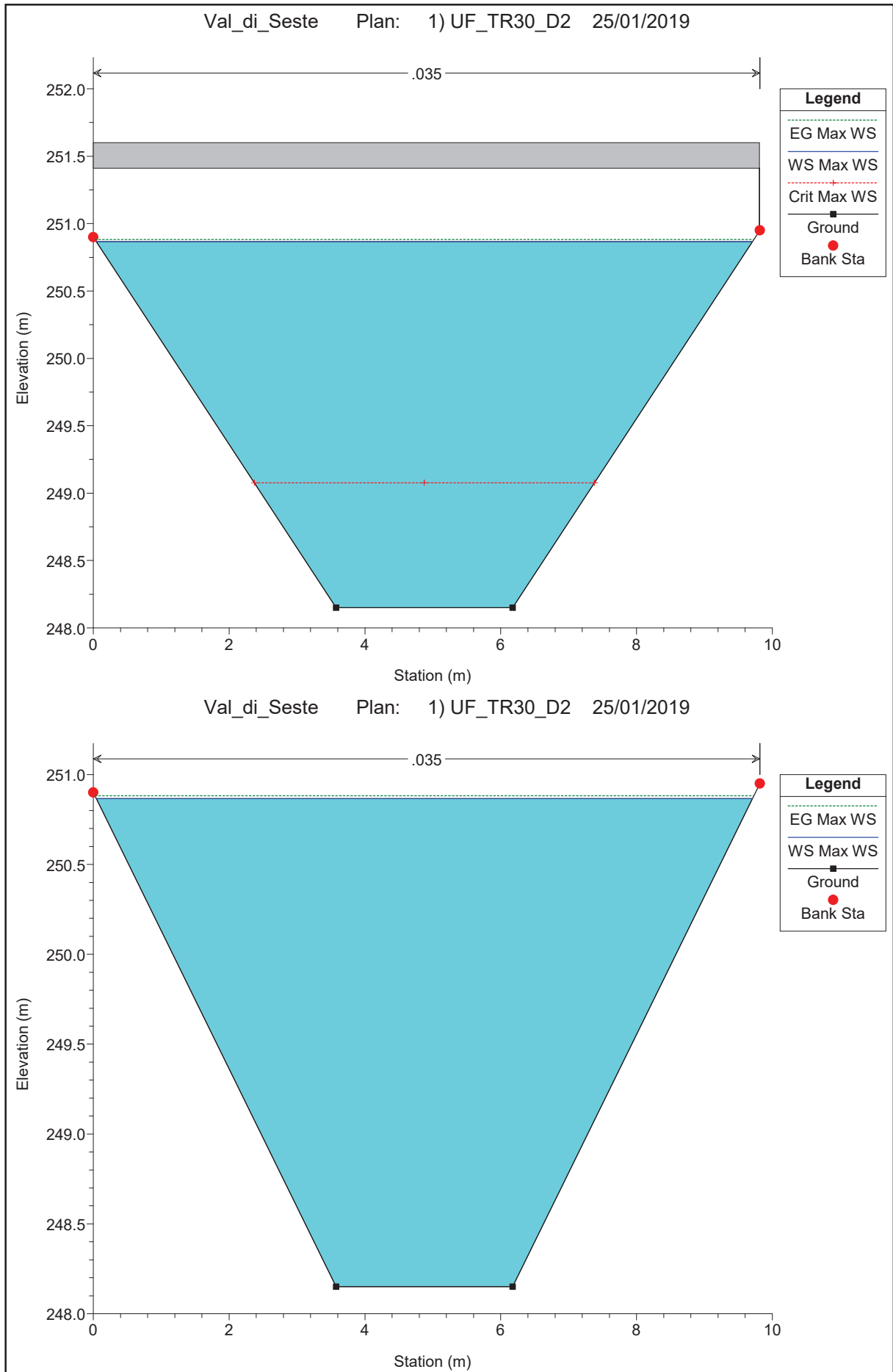


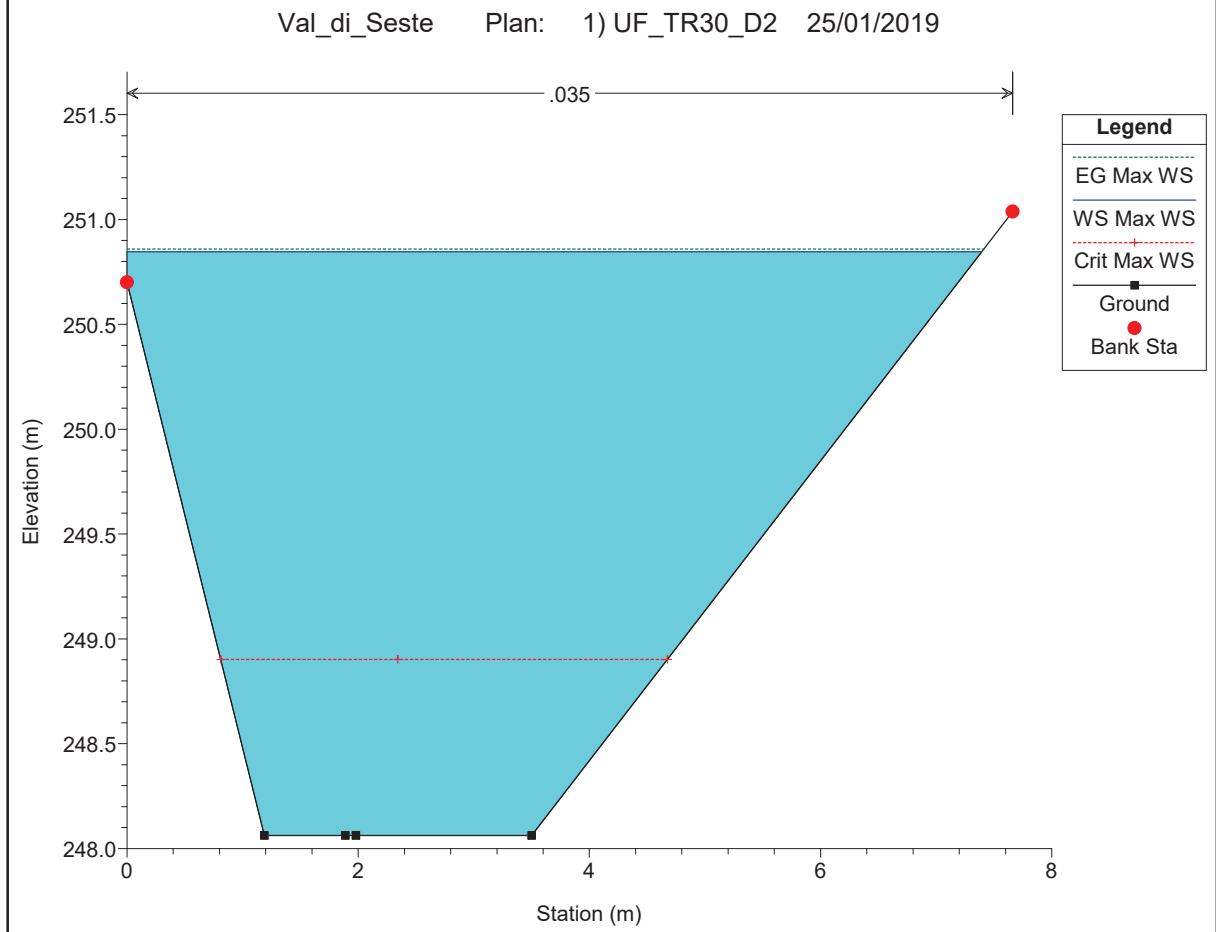
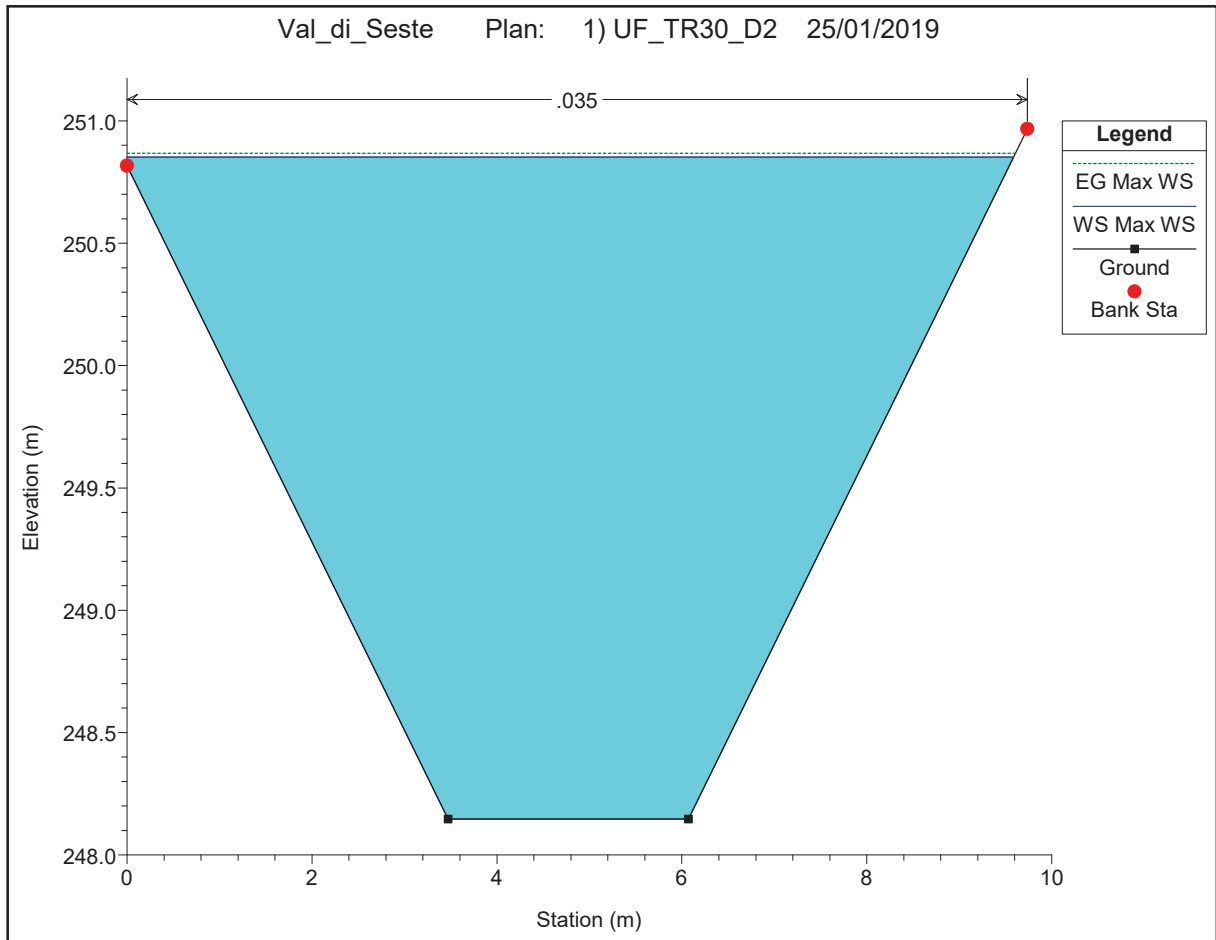


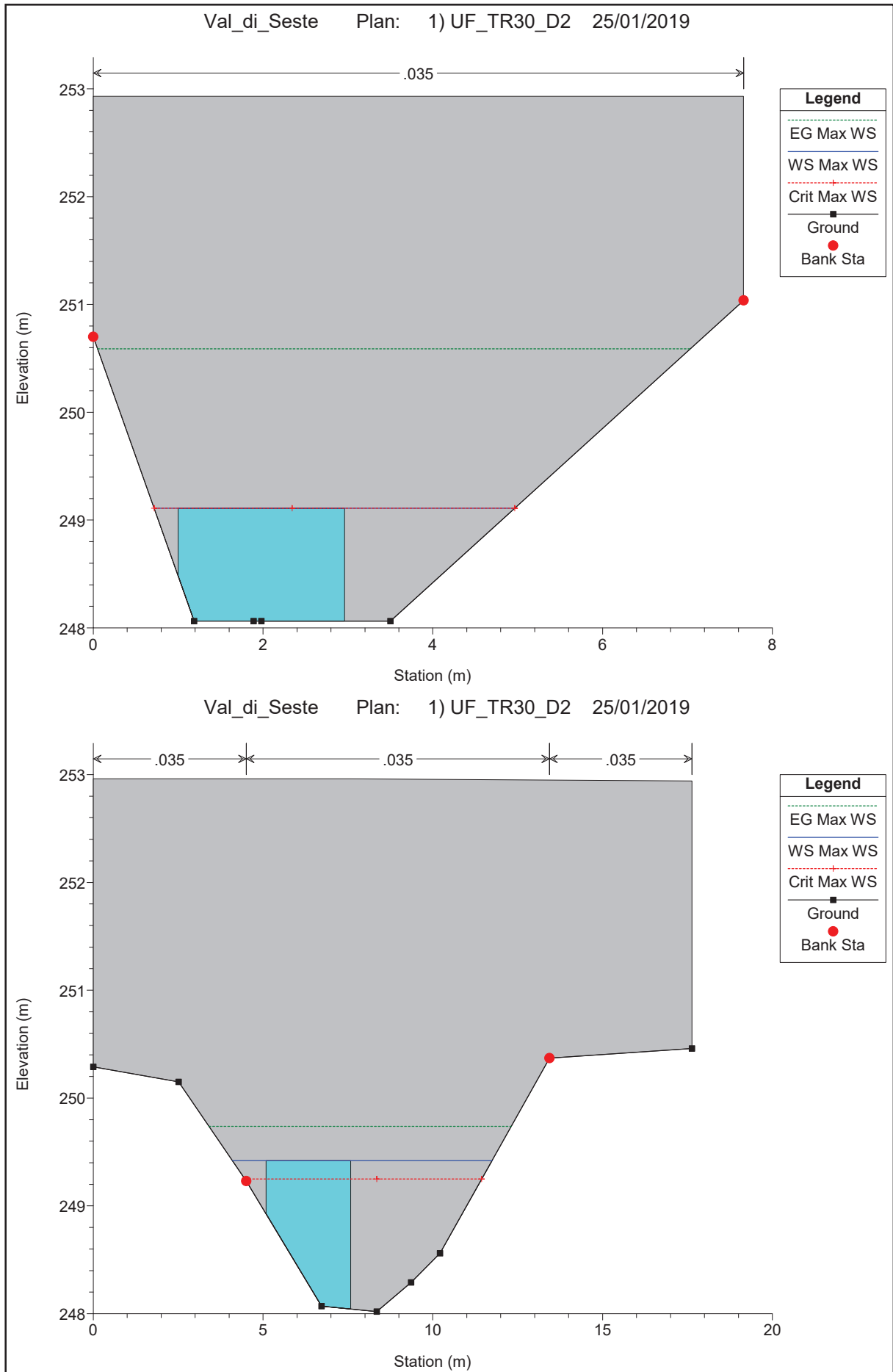


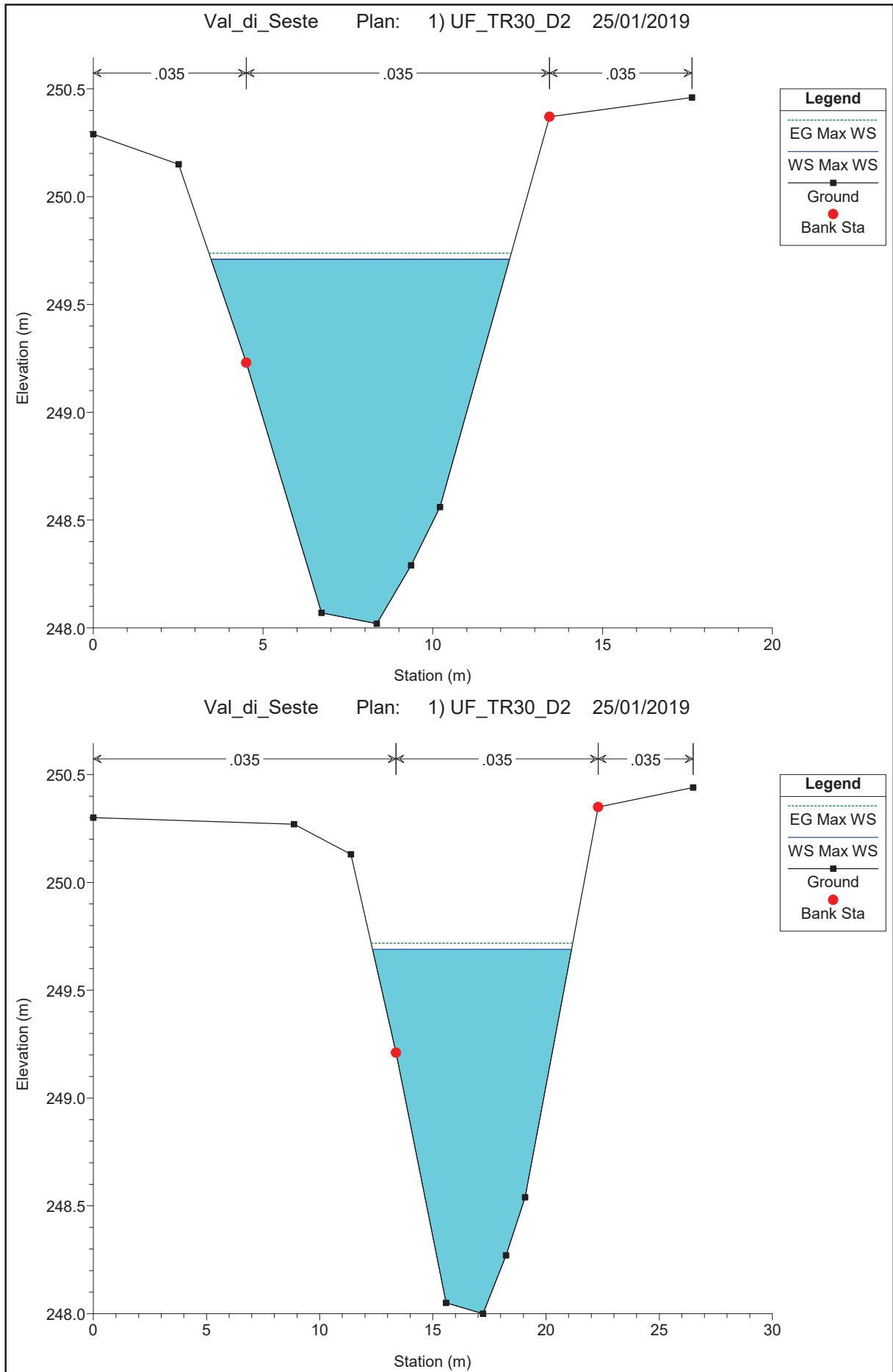




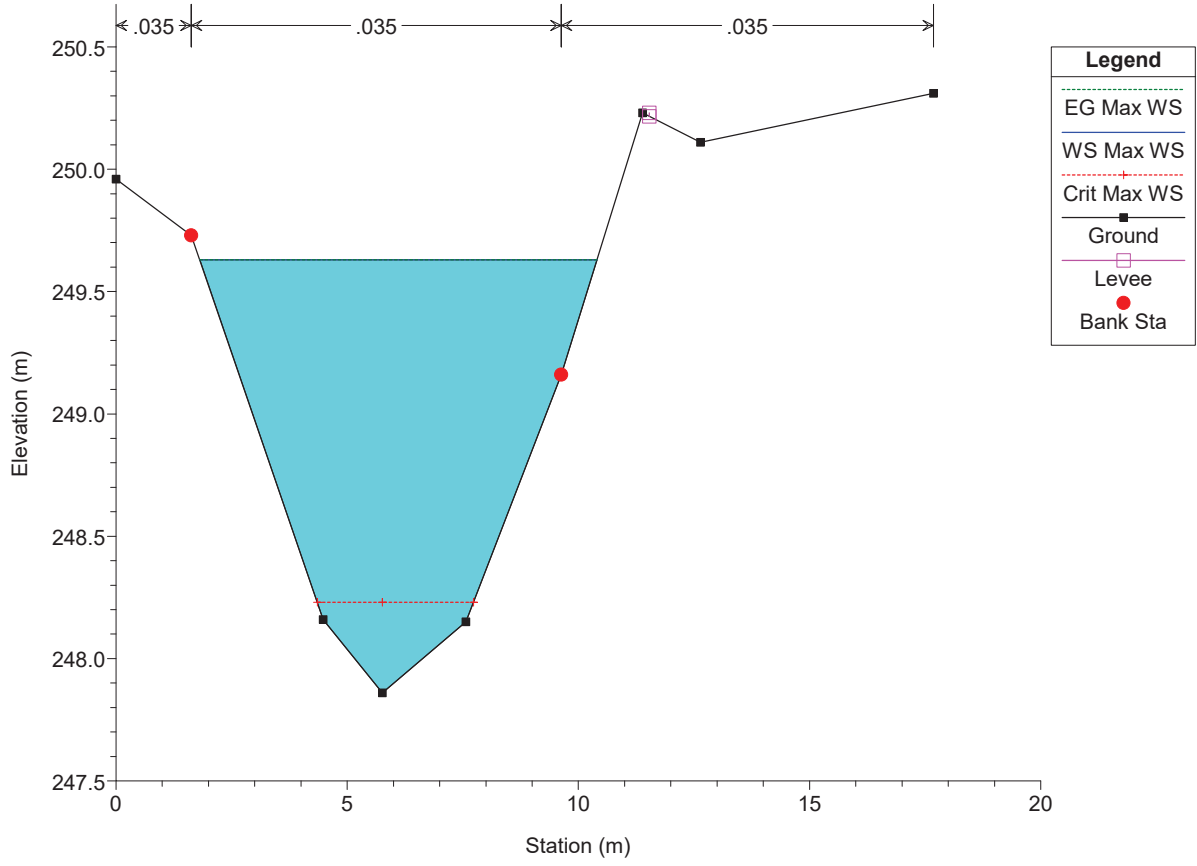








Val_di_Seste Plan: 1) UF_TR30_D2 25/01/2019





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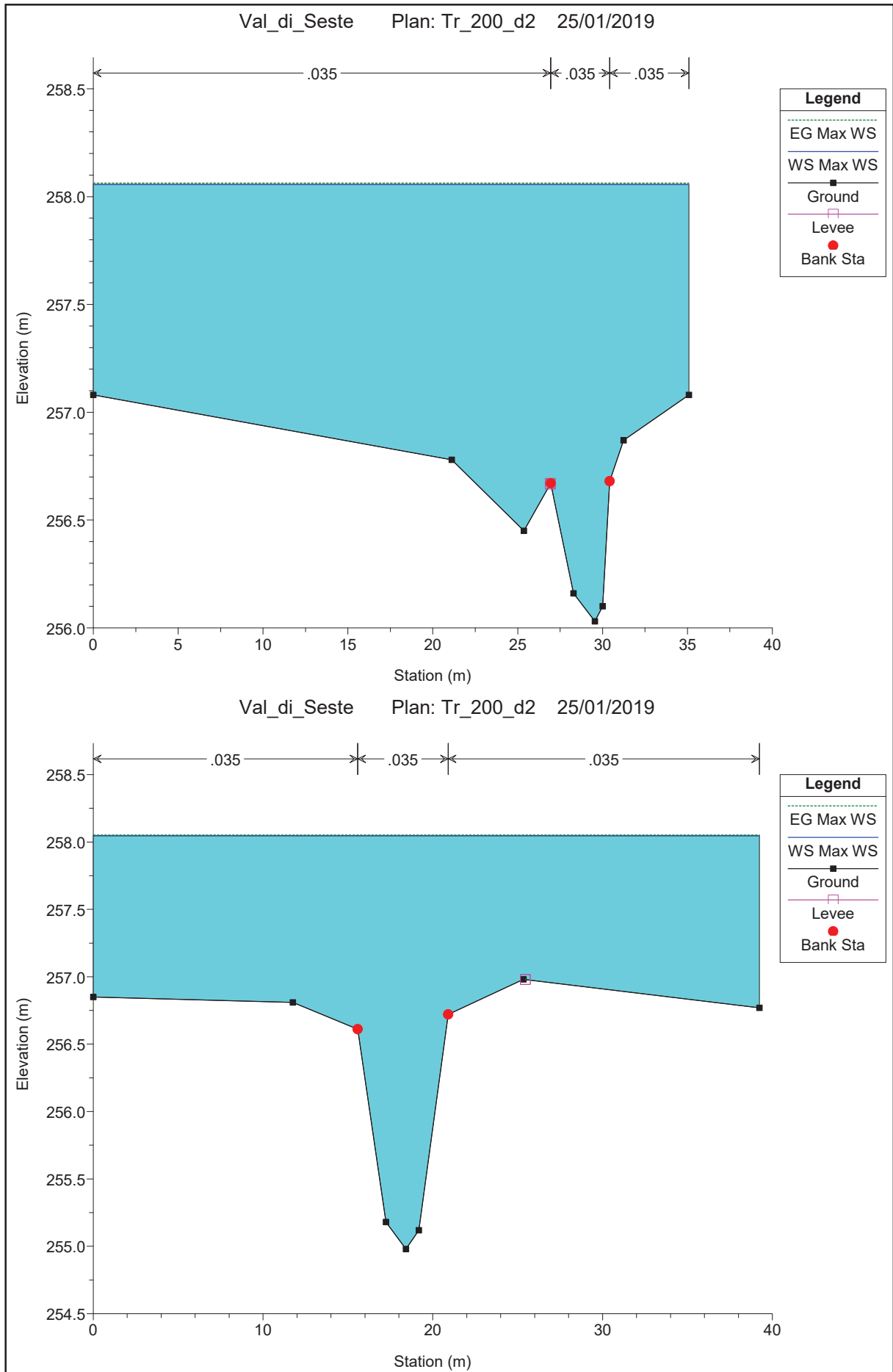
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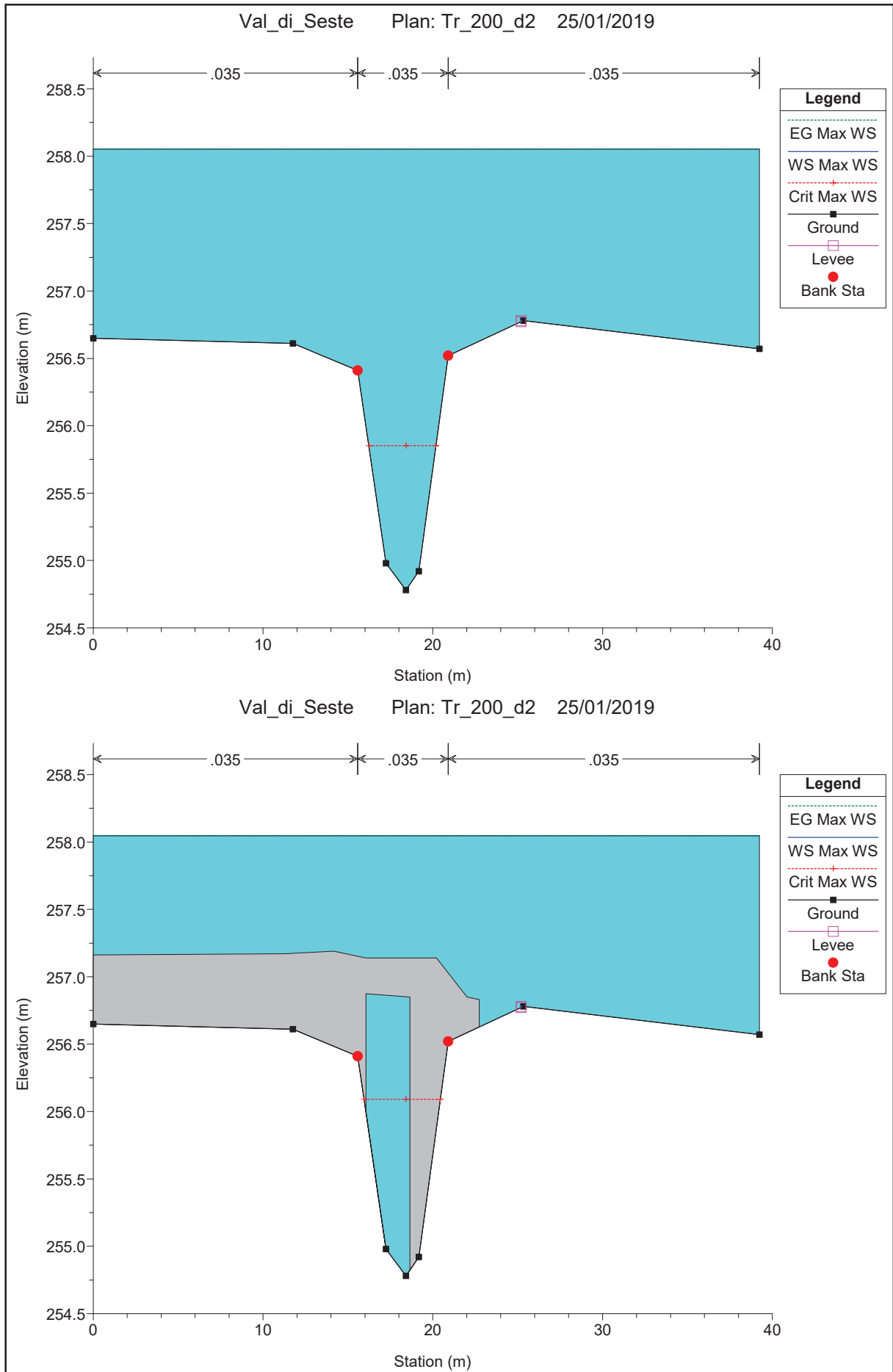
CANALE CONSORZIALE VAL DI SESTE

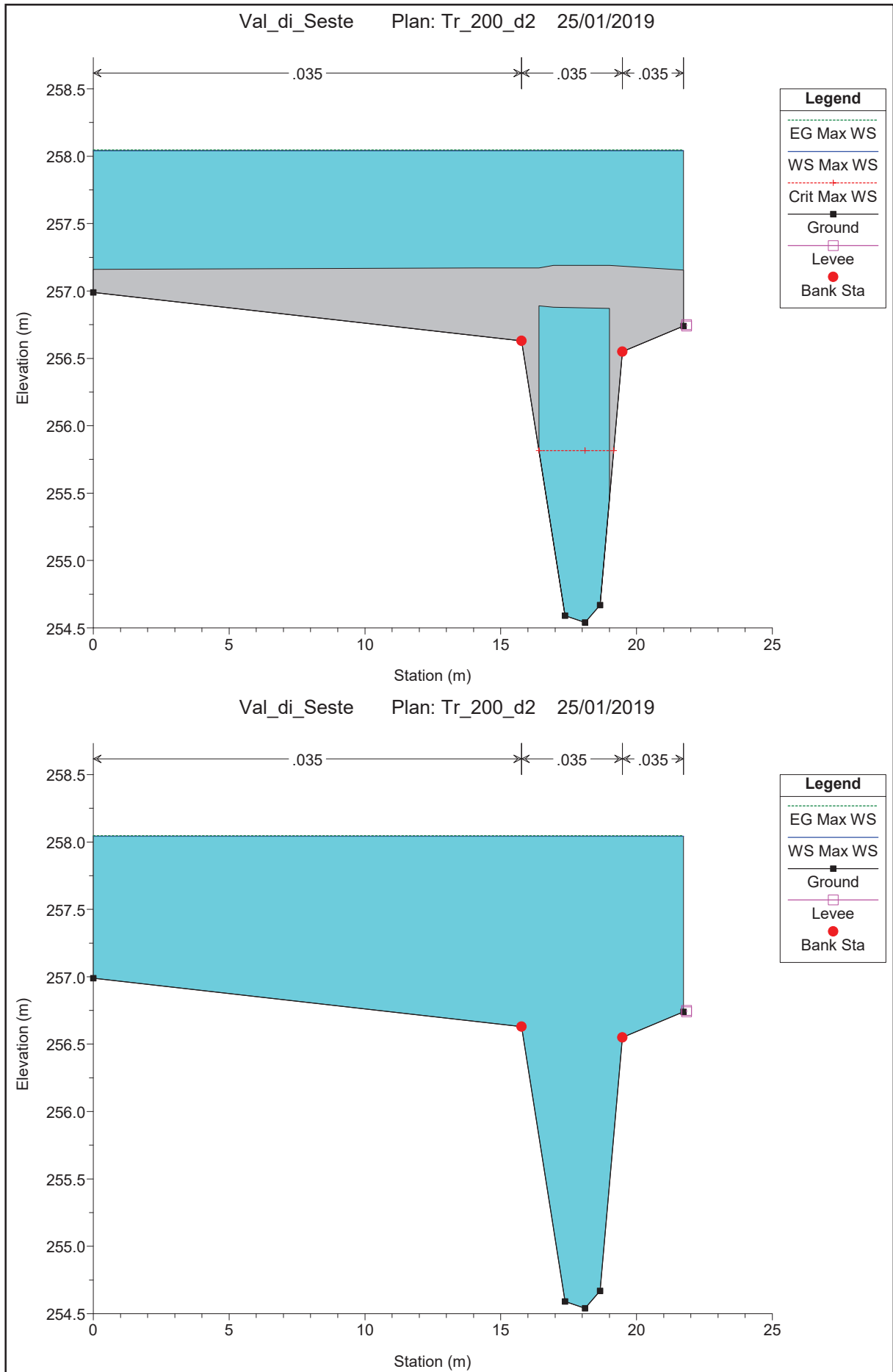
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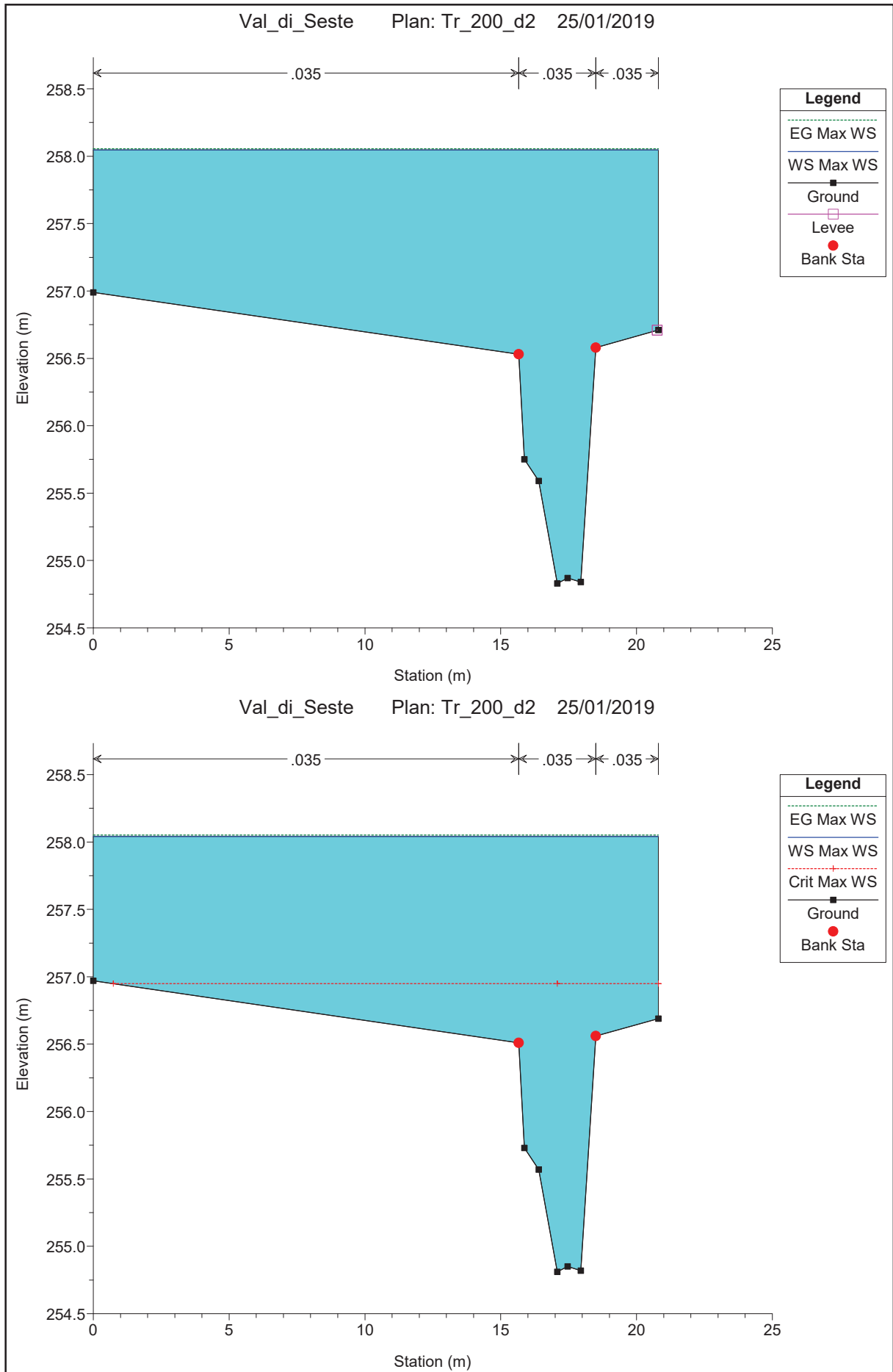
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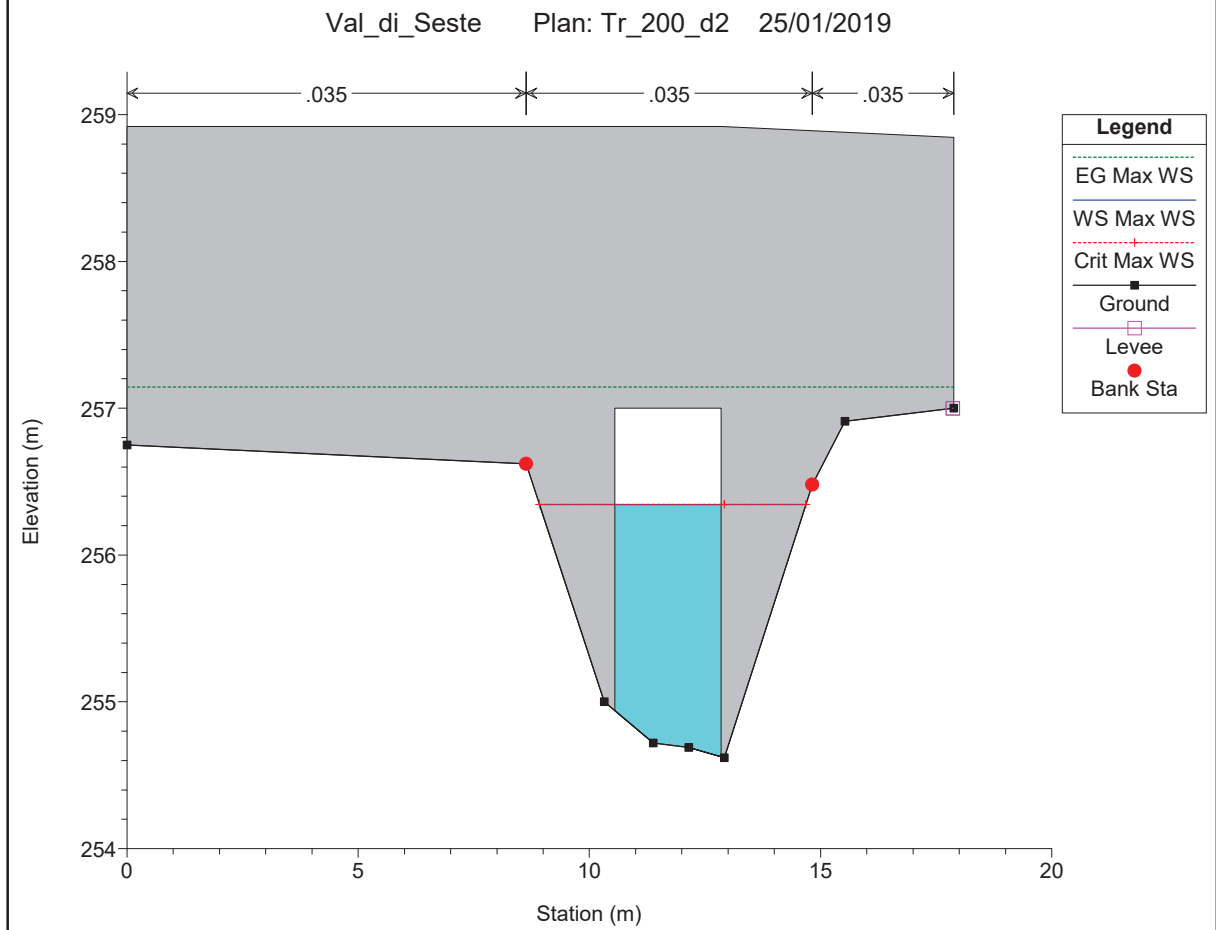
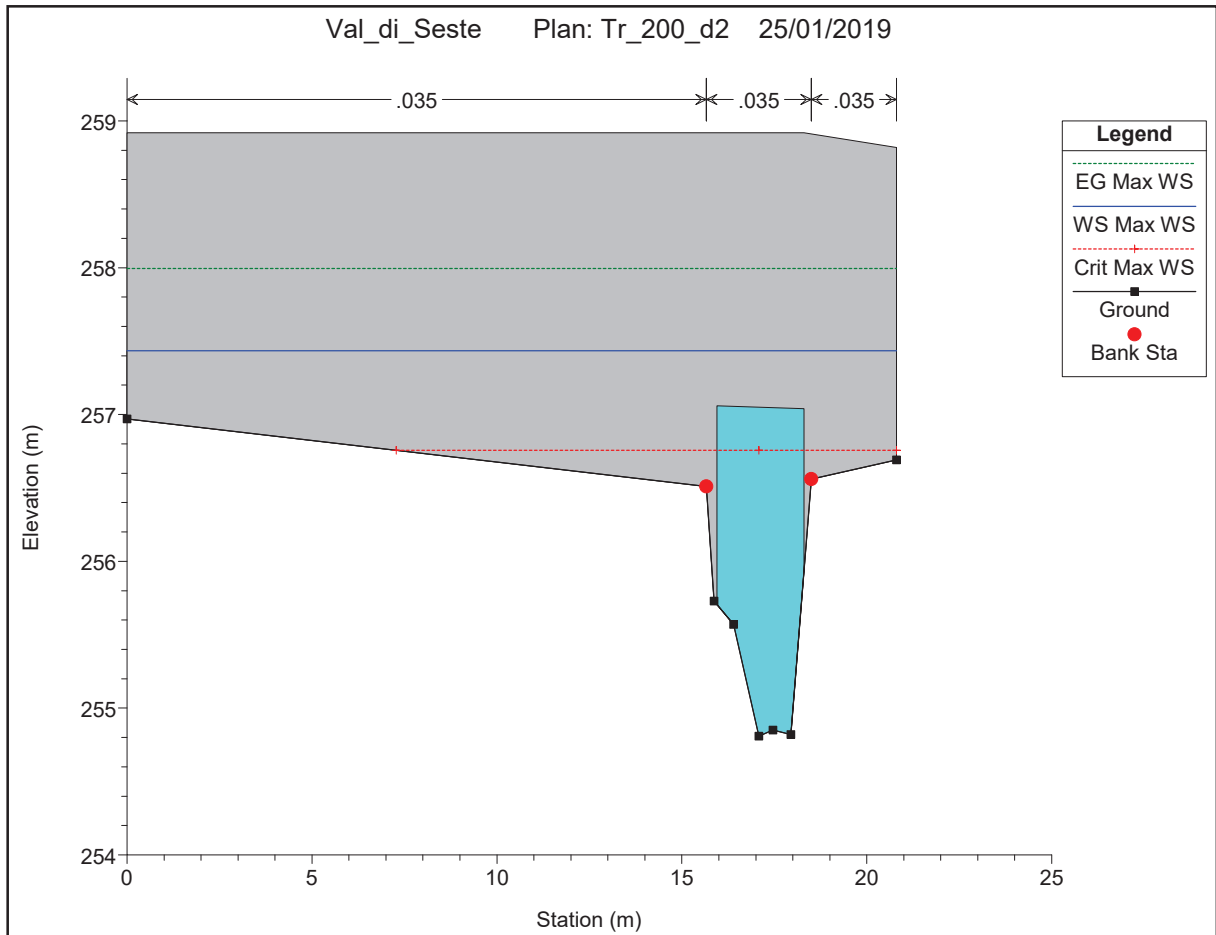
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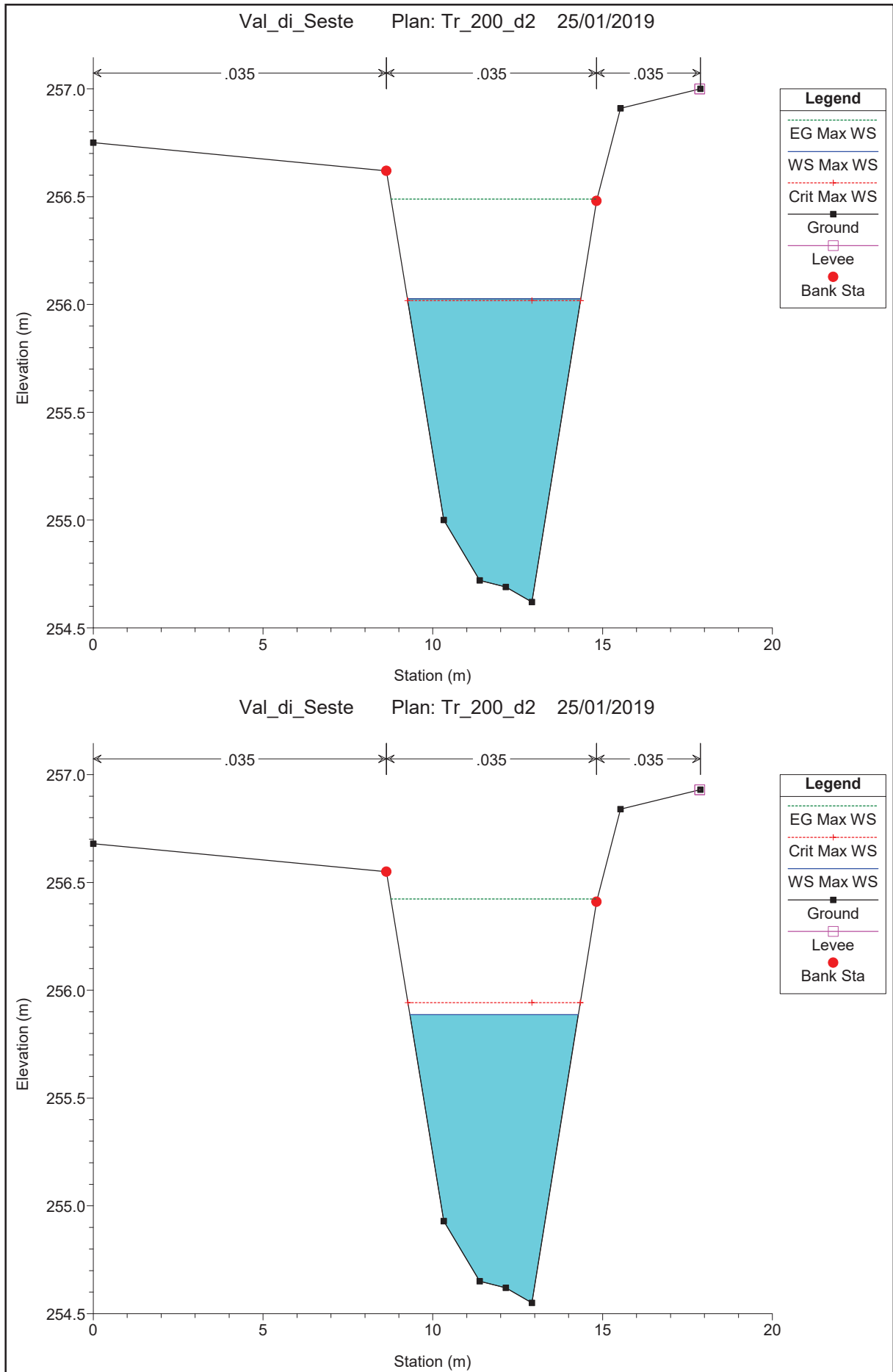


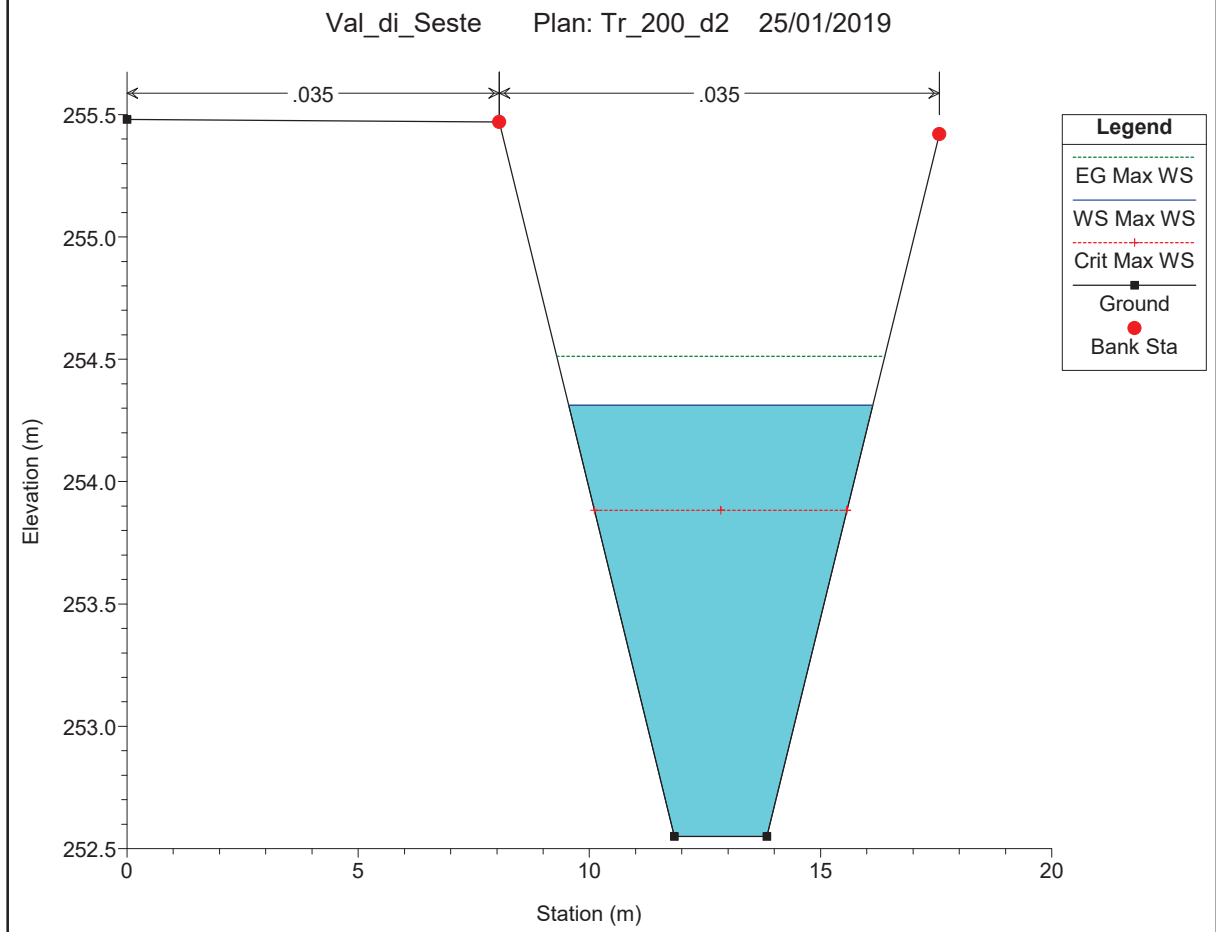
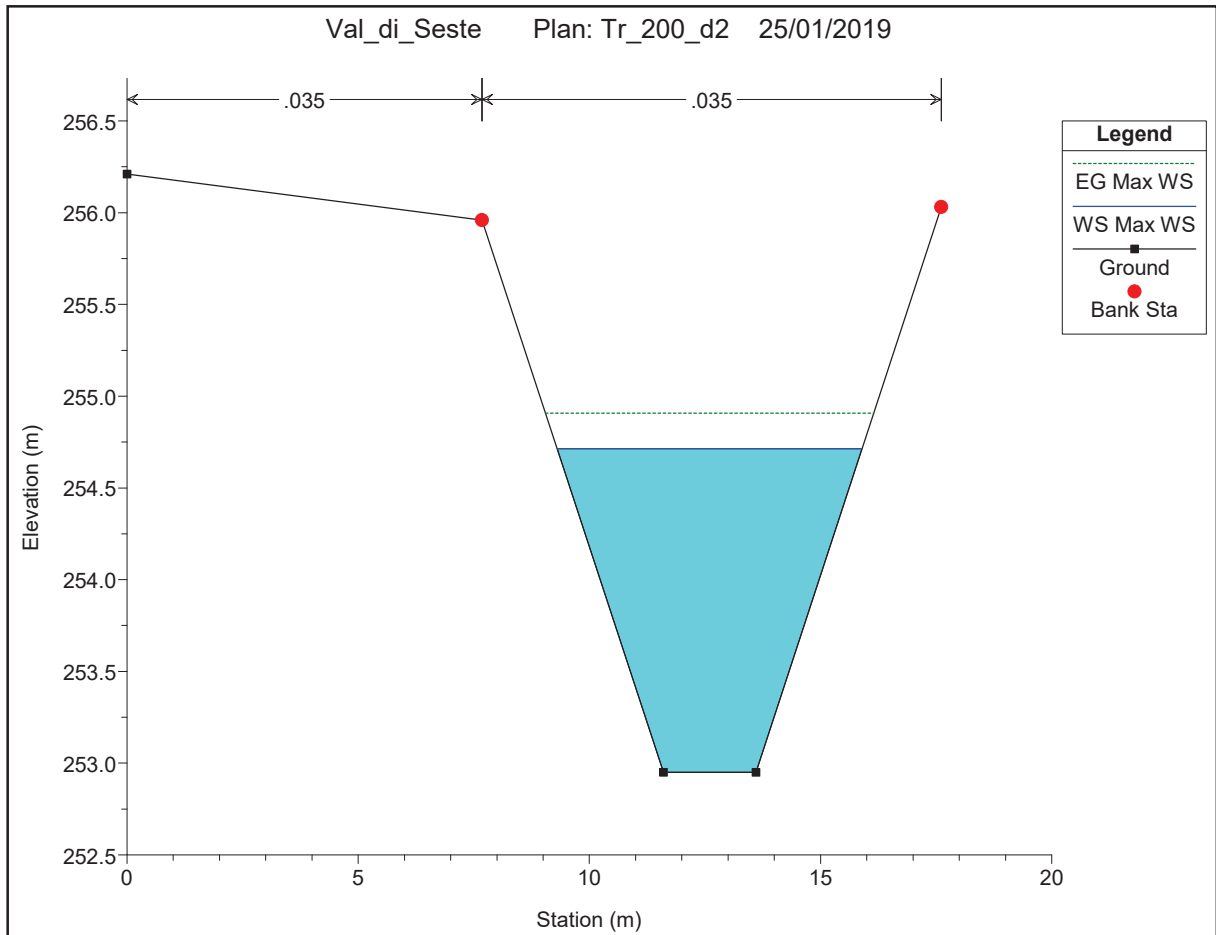


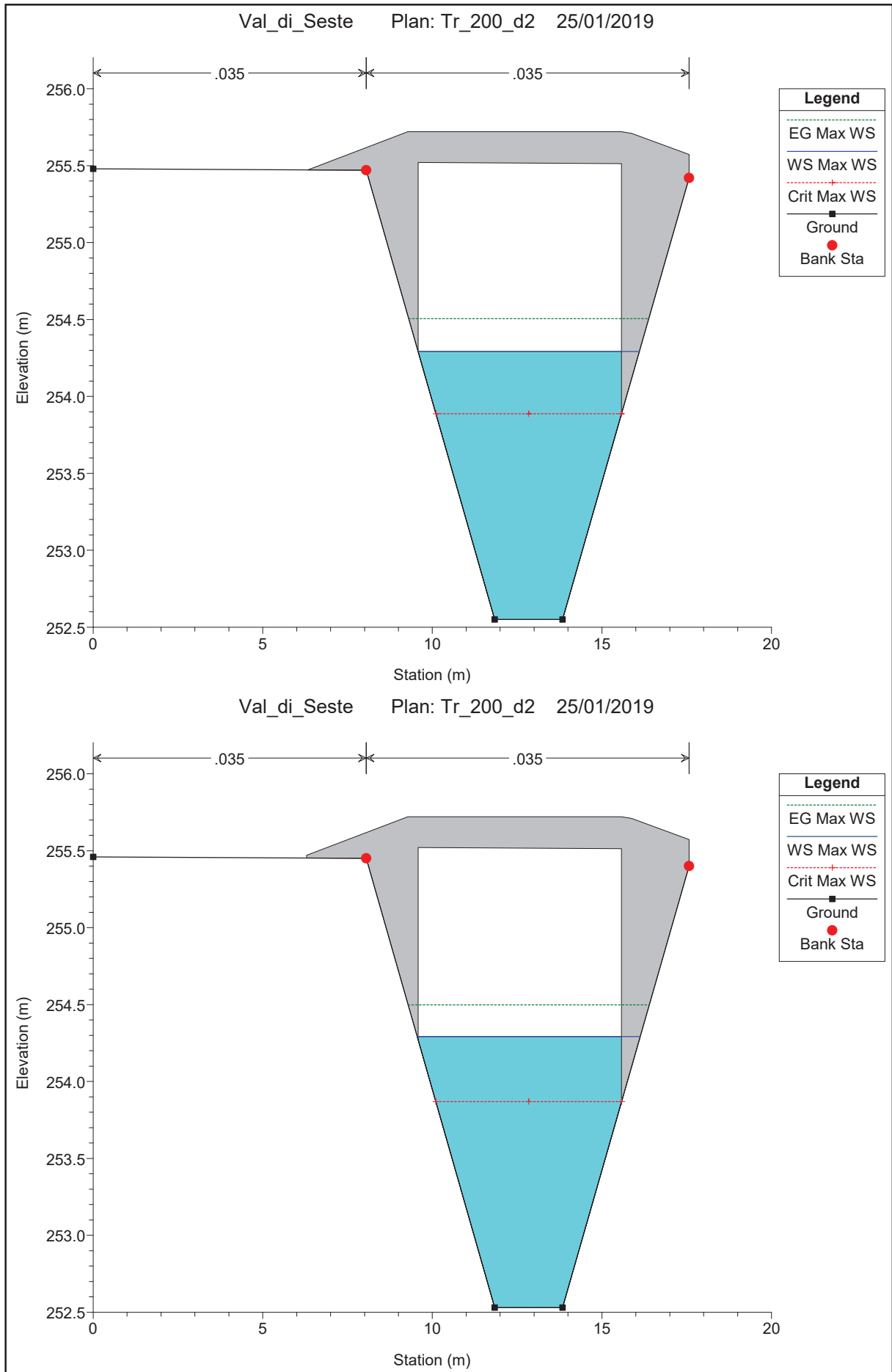


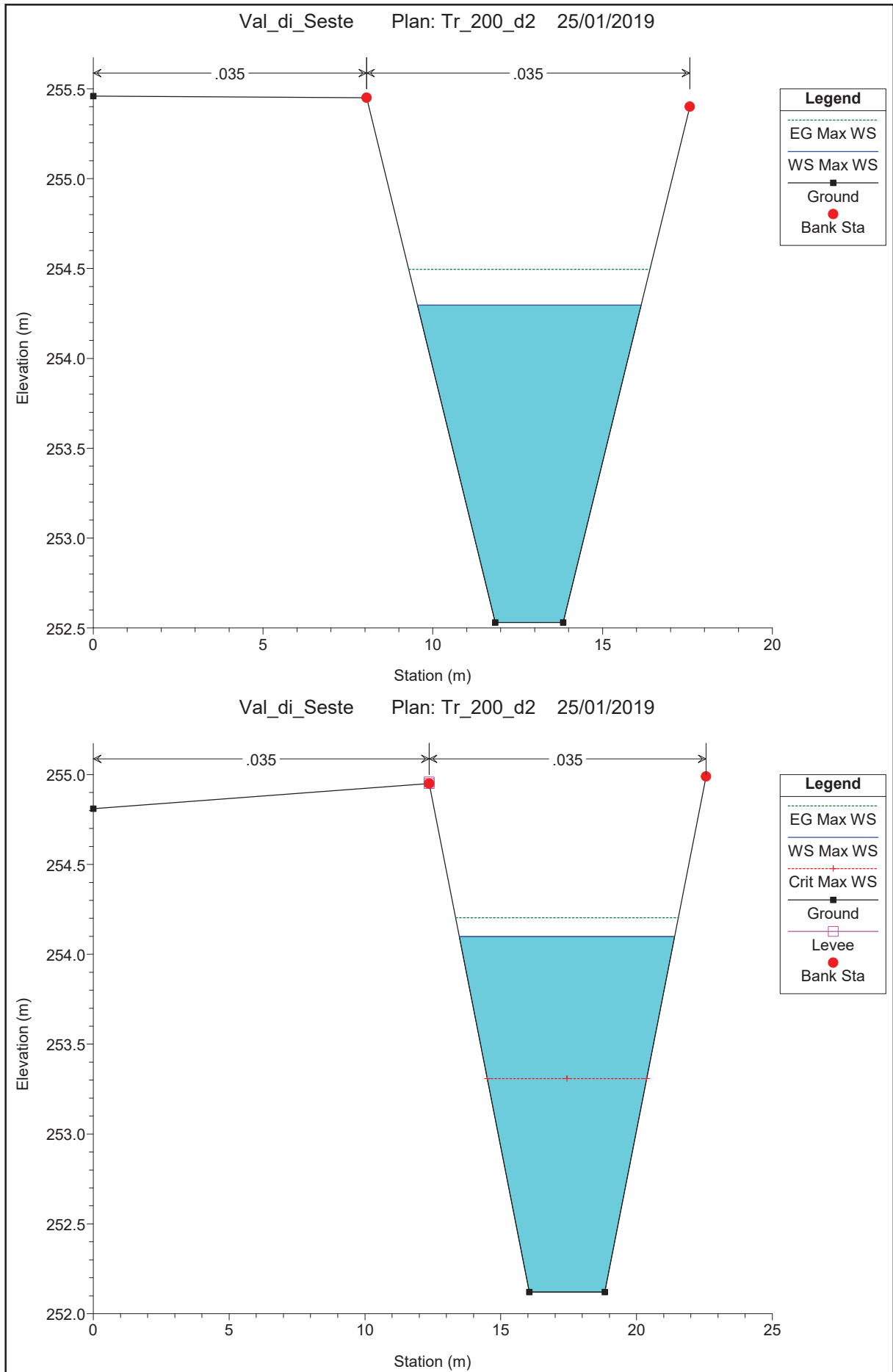


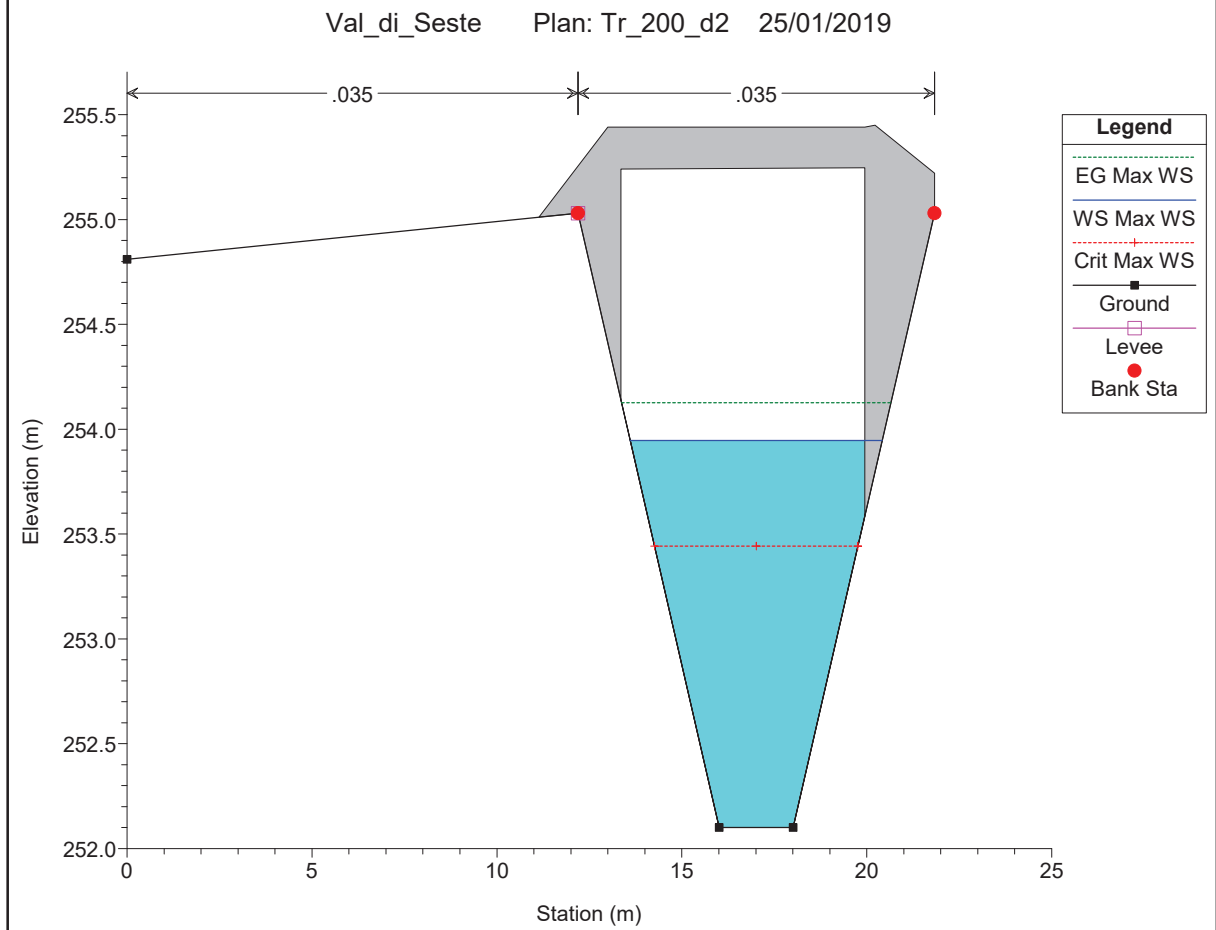
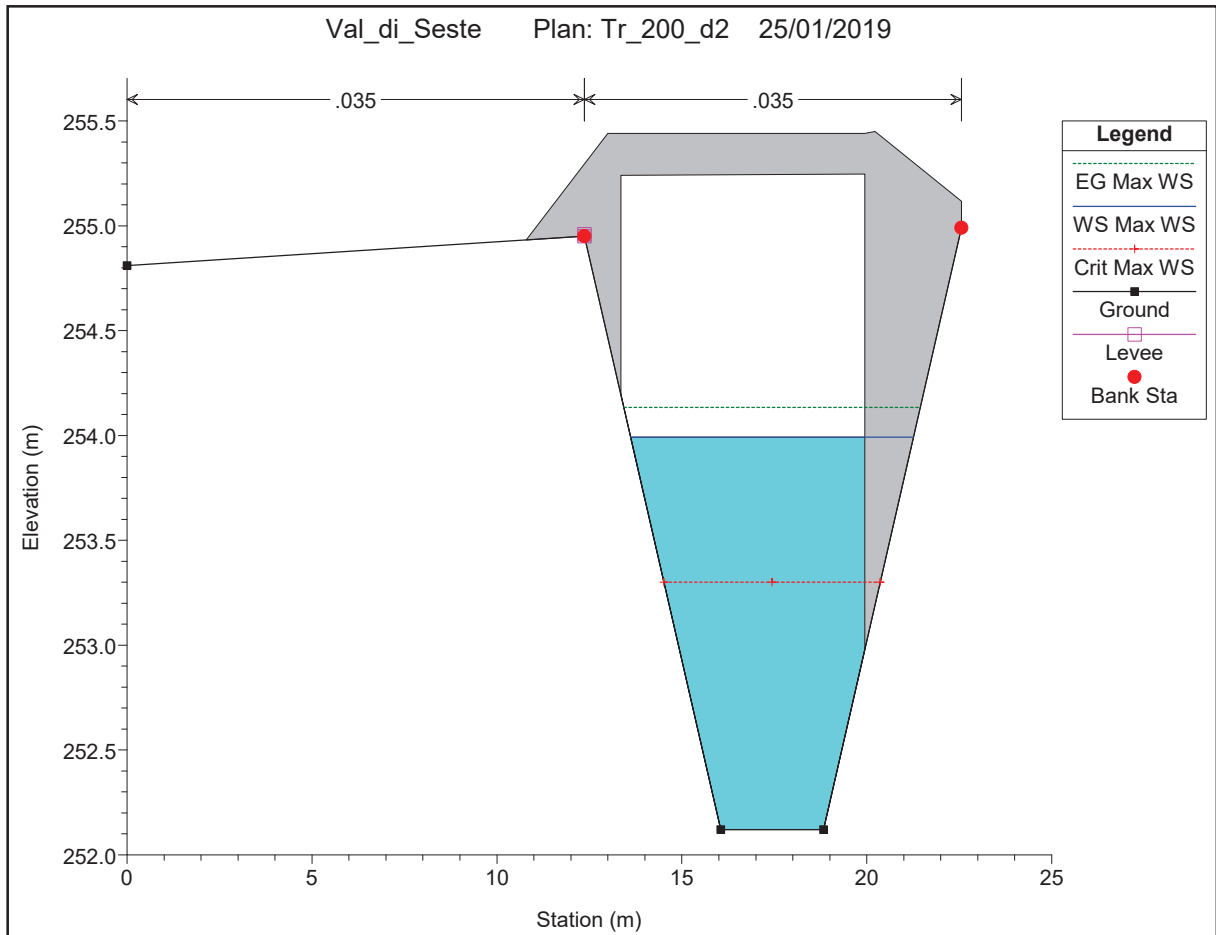


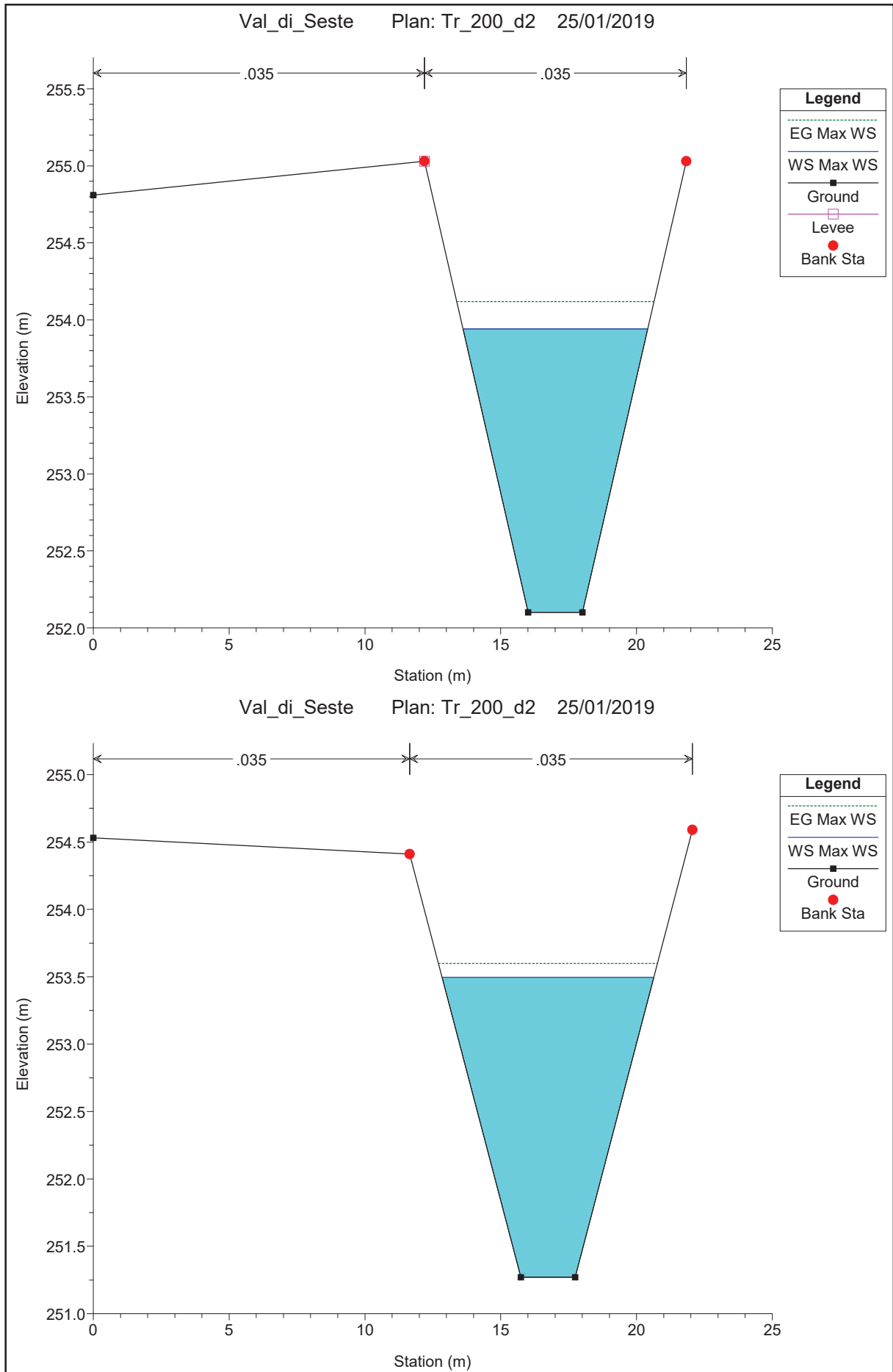


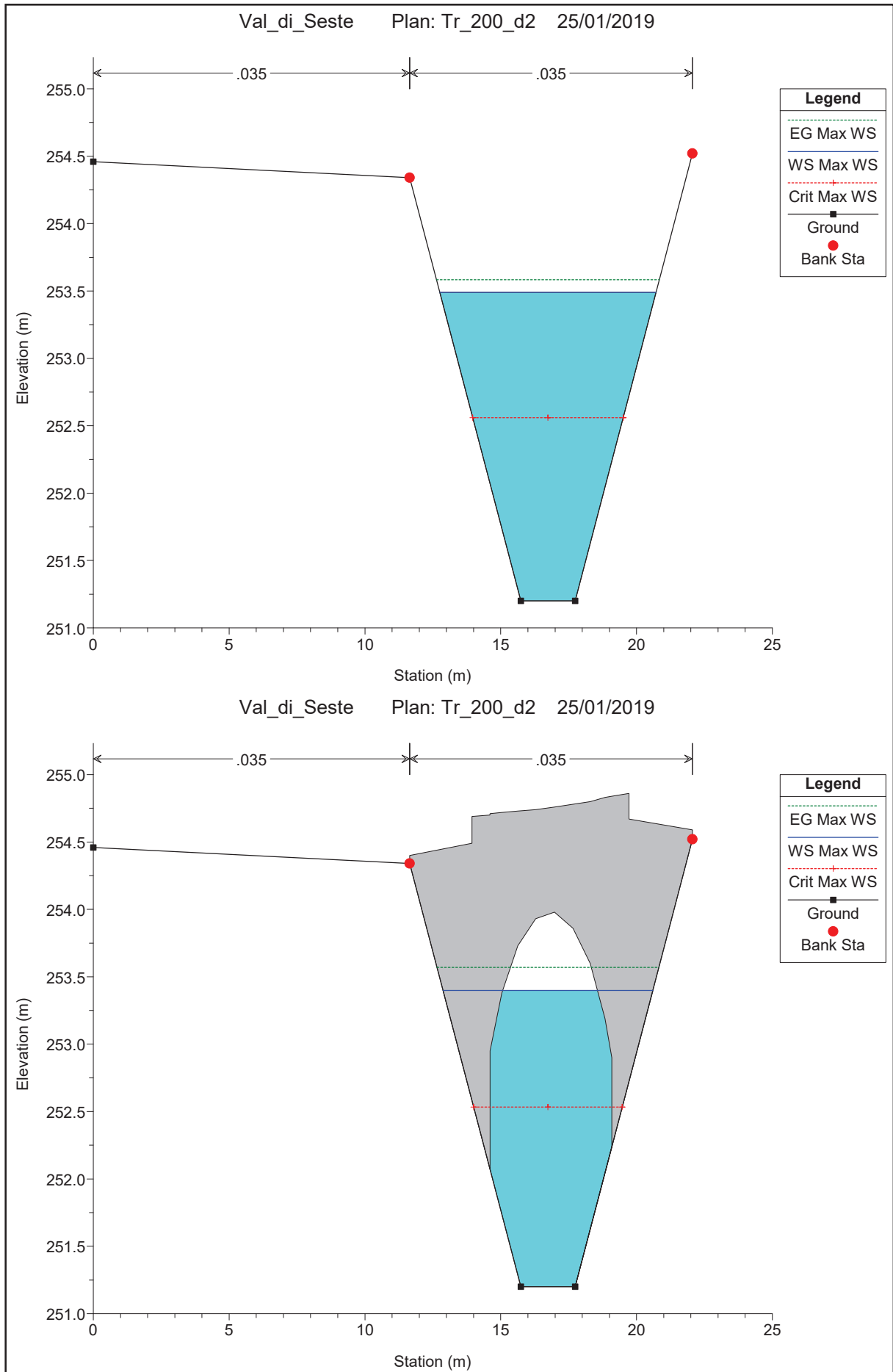


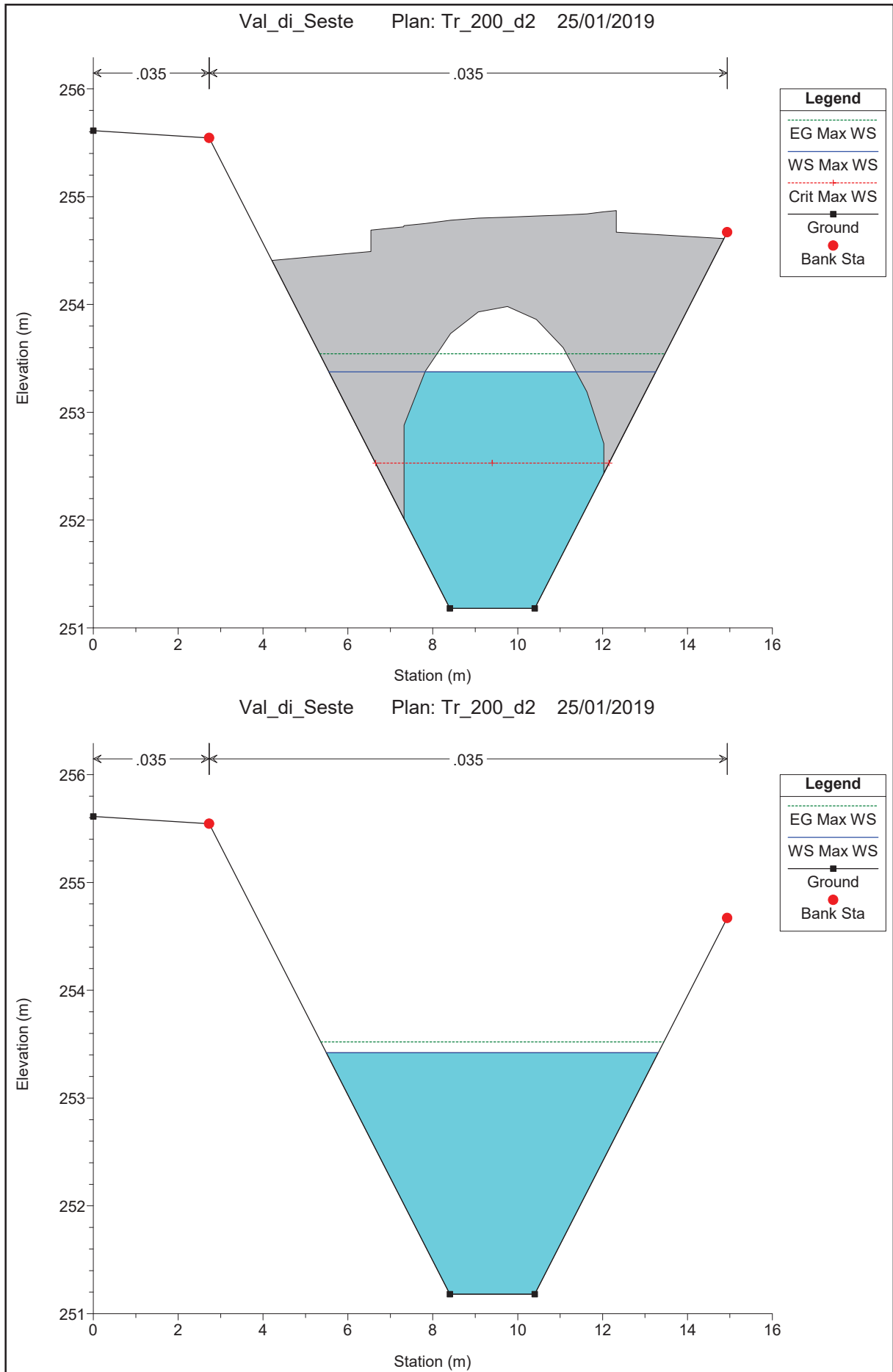


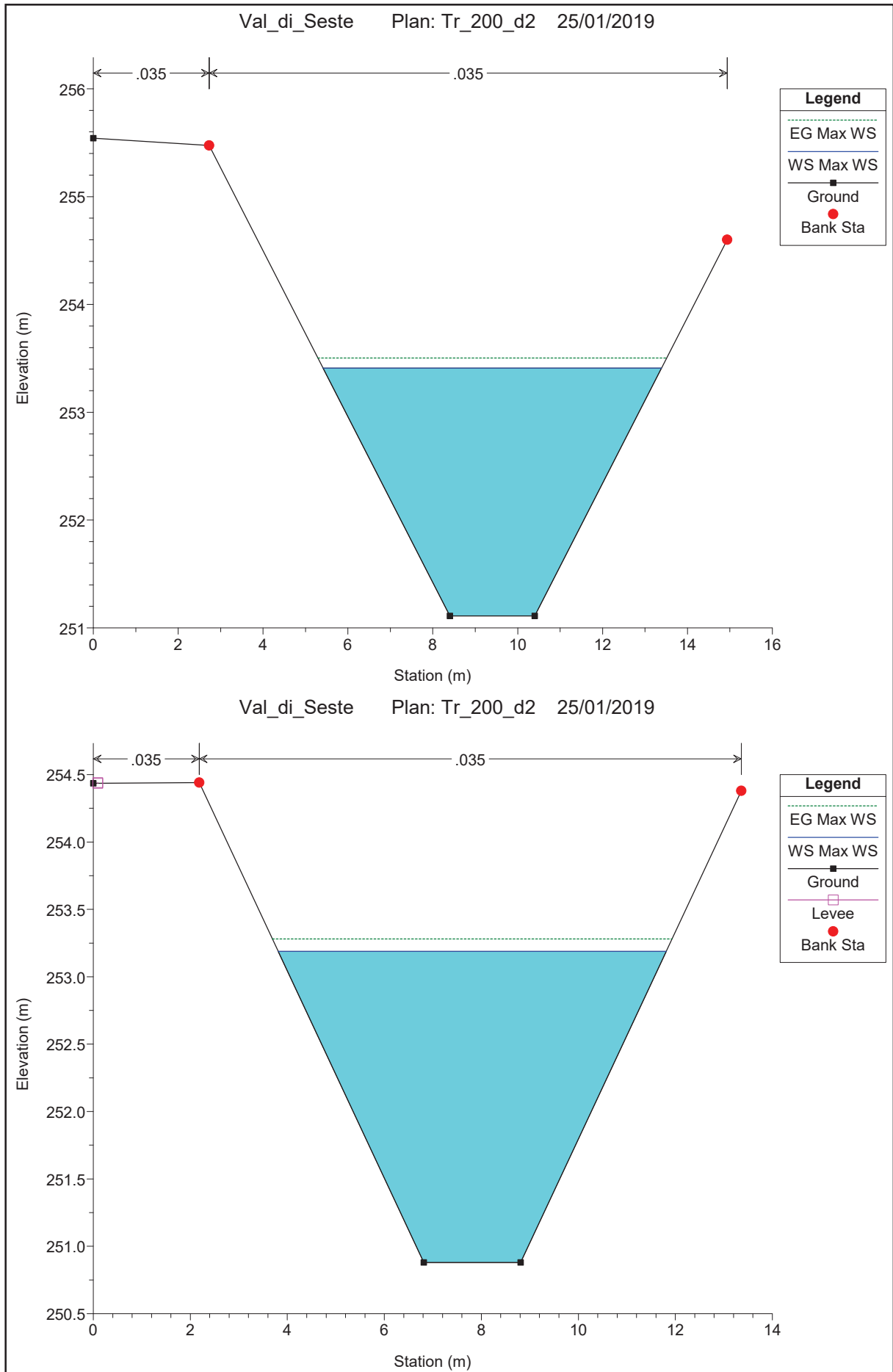


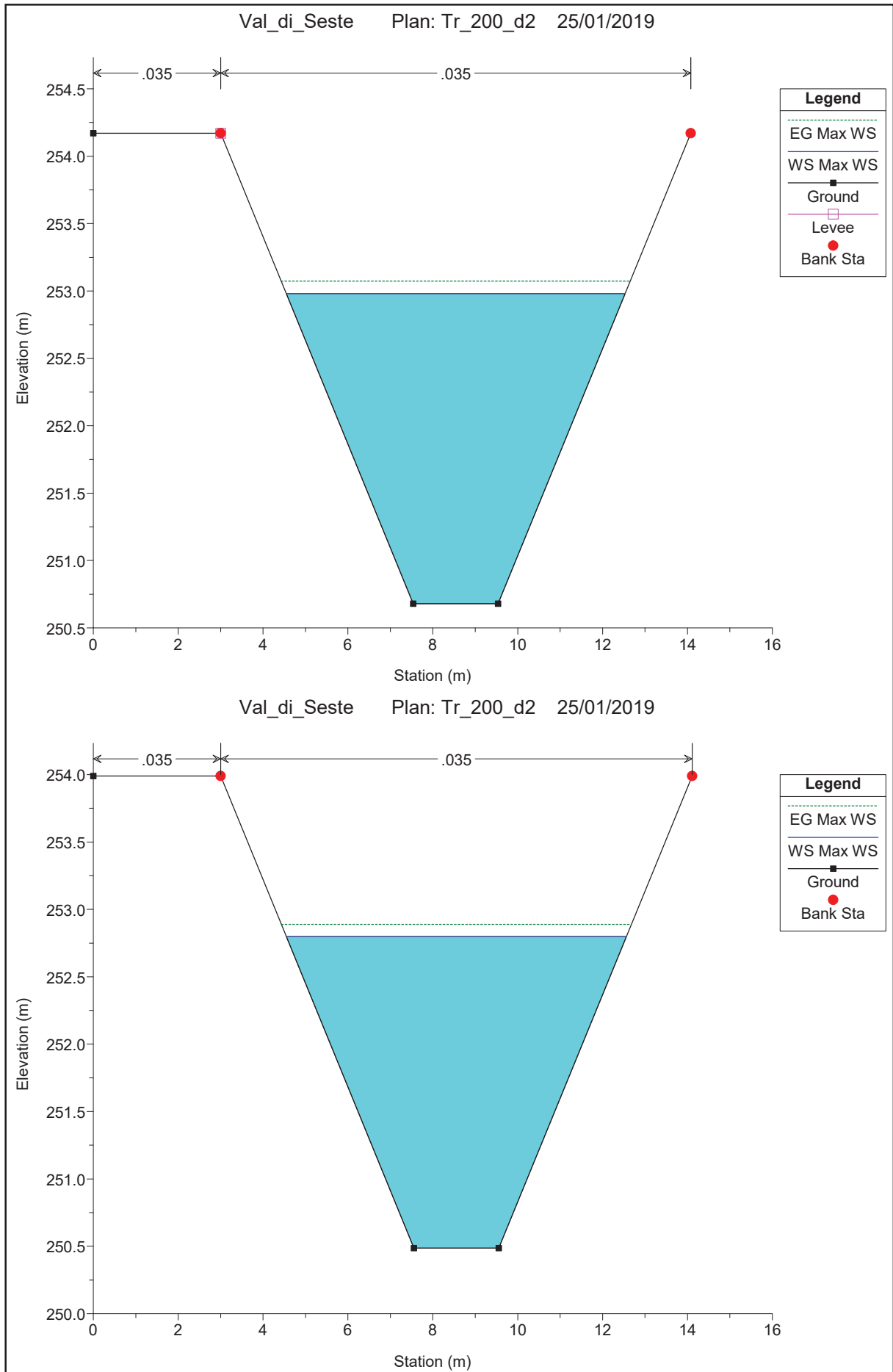


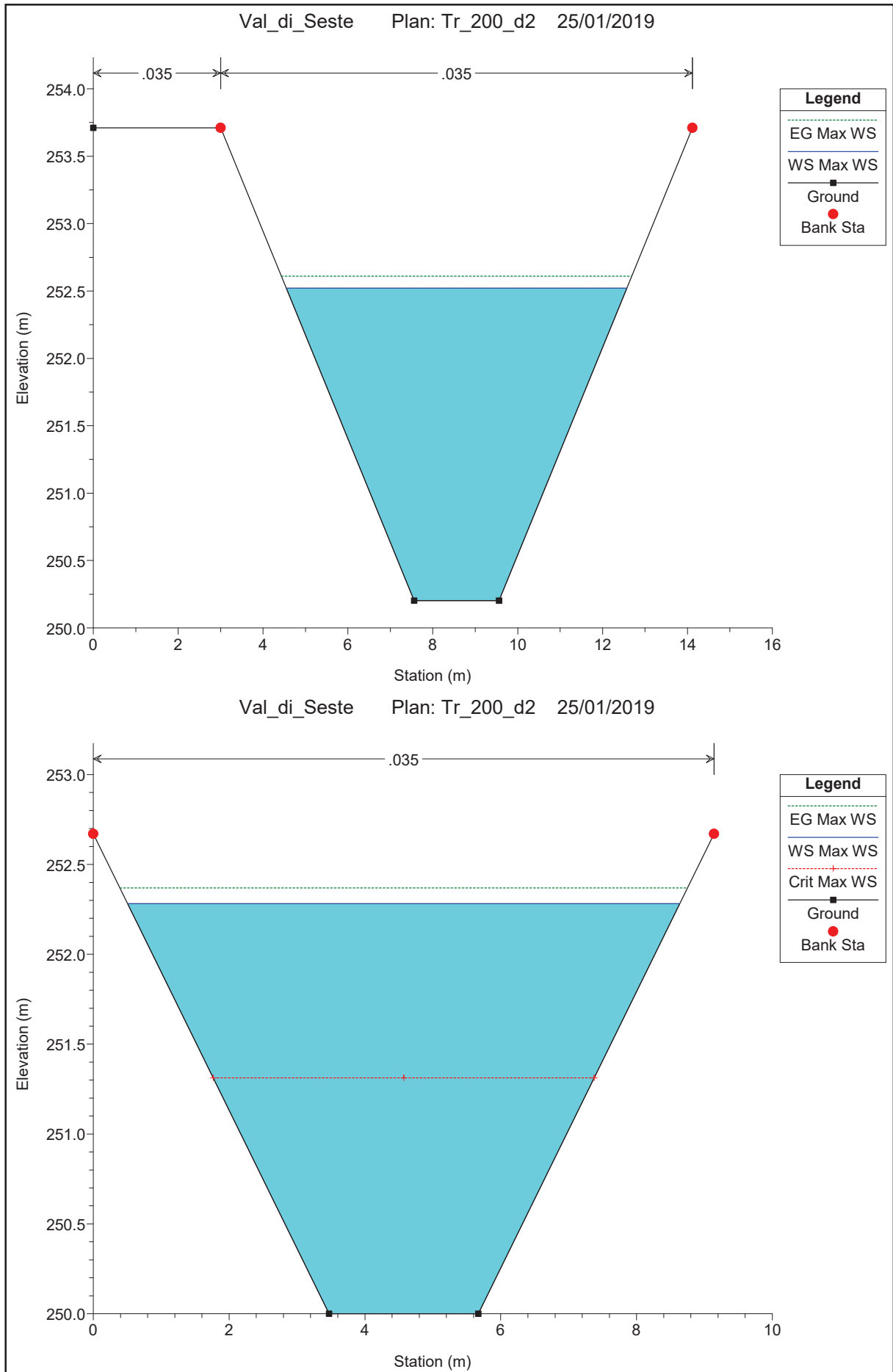


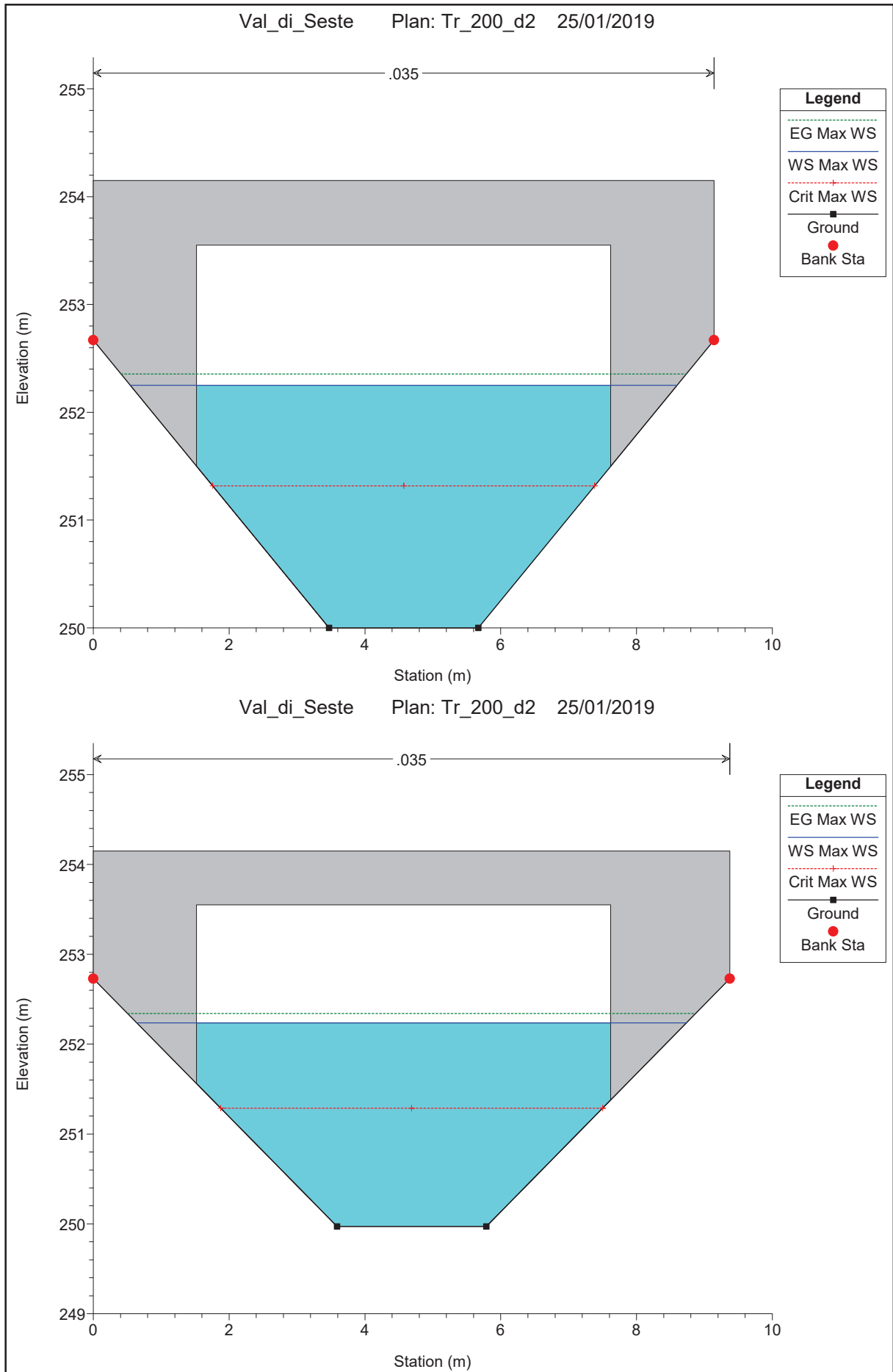


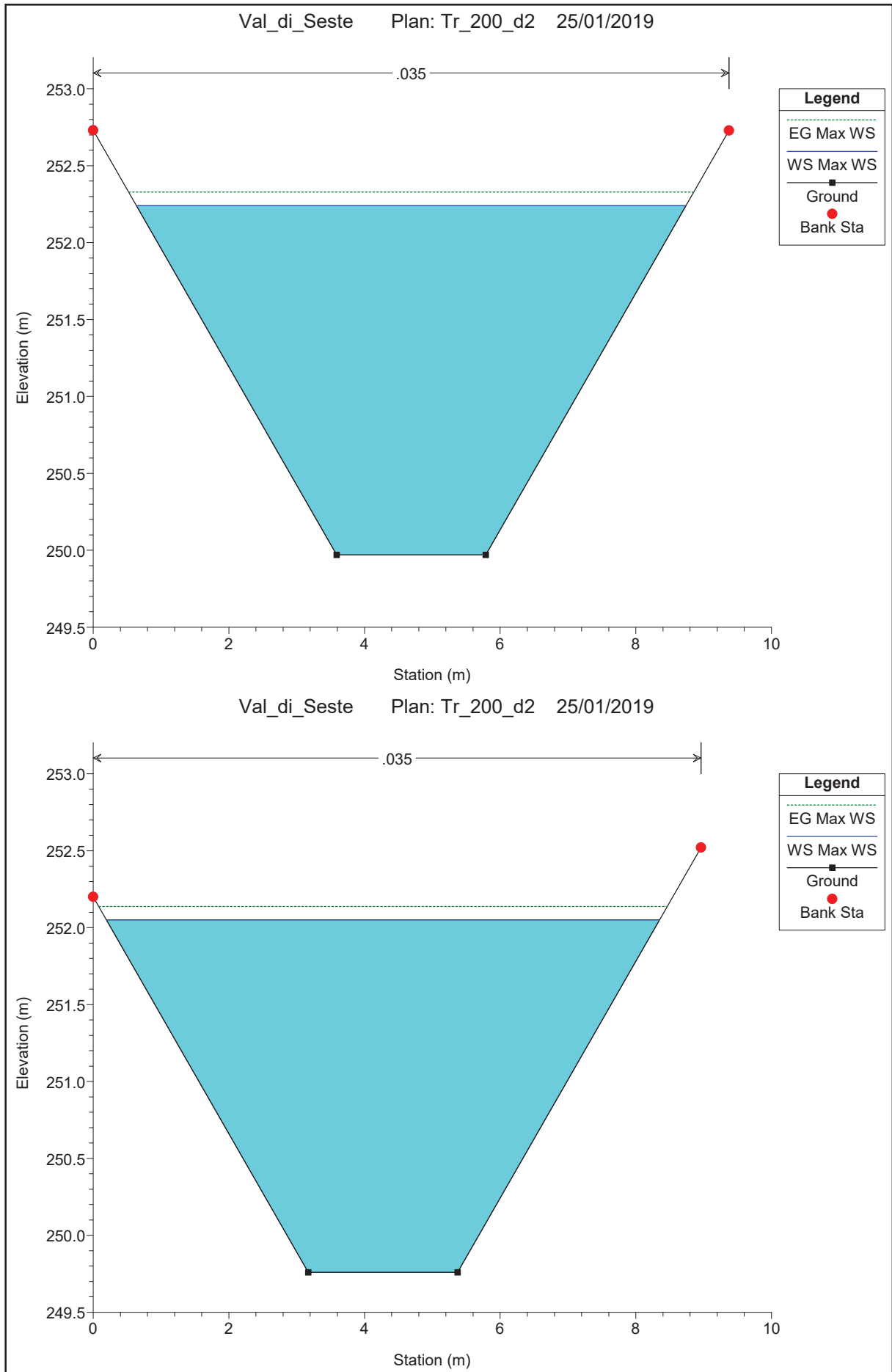


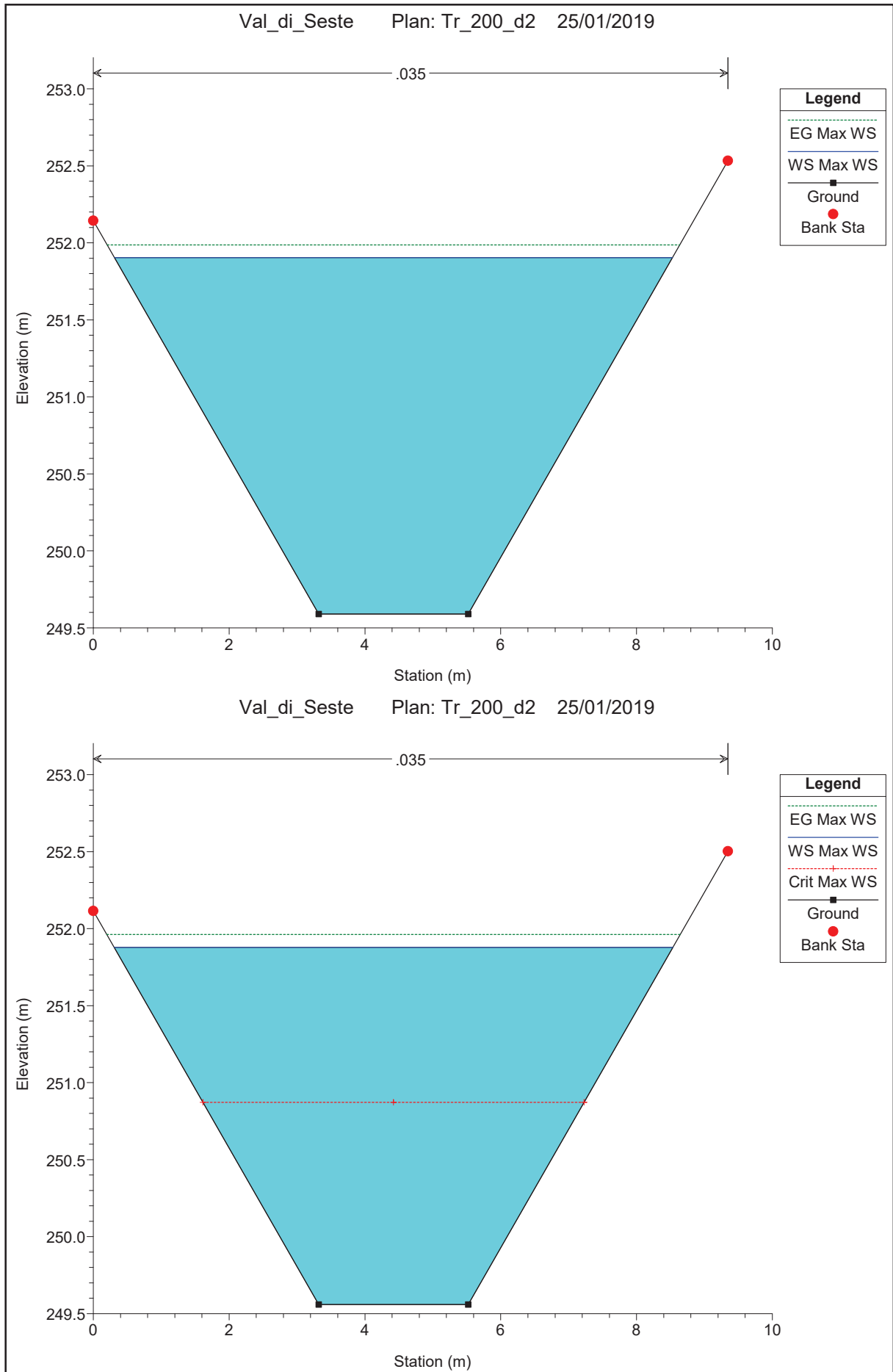


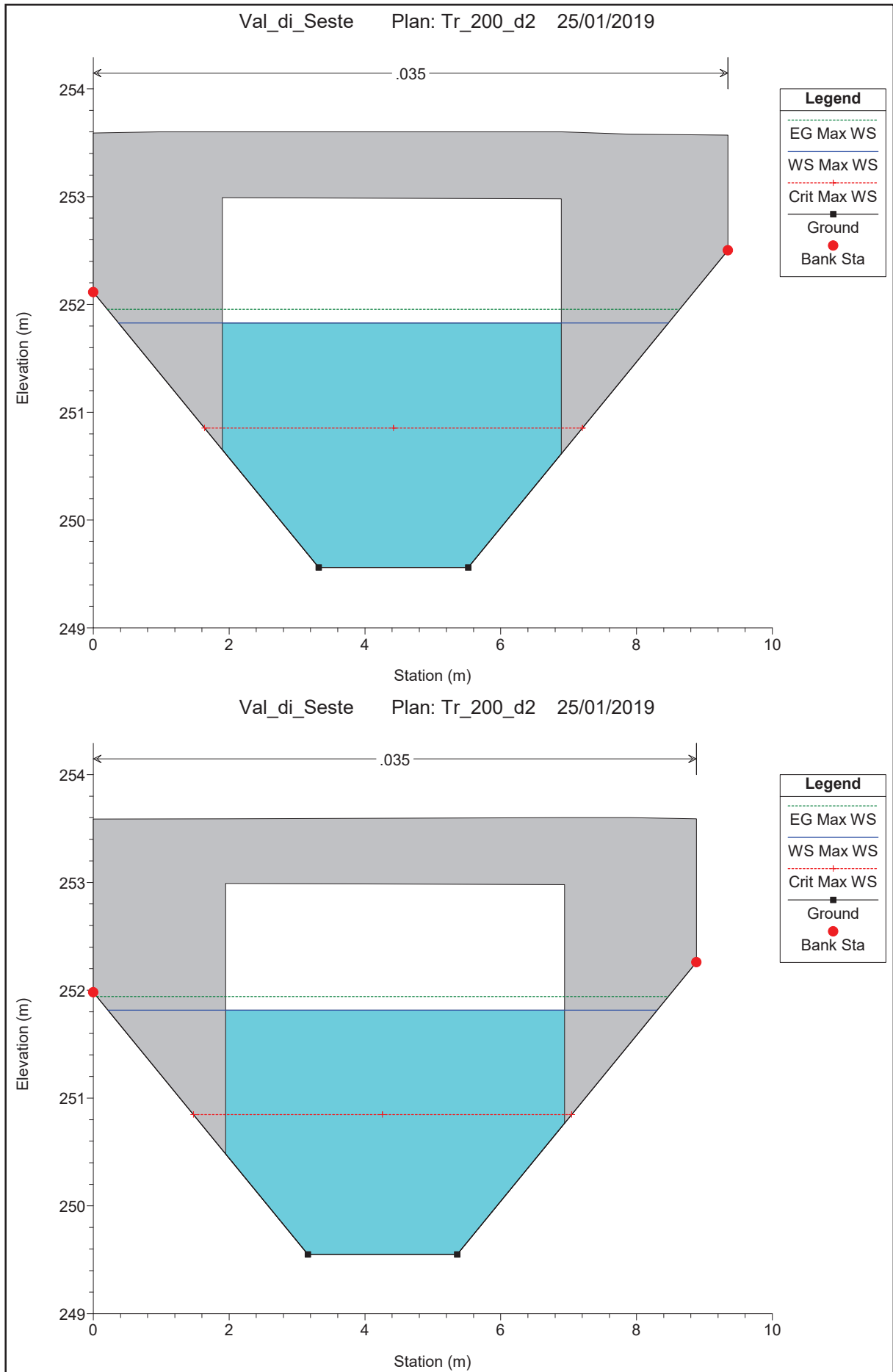


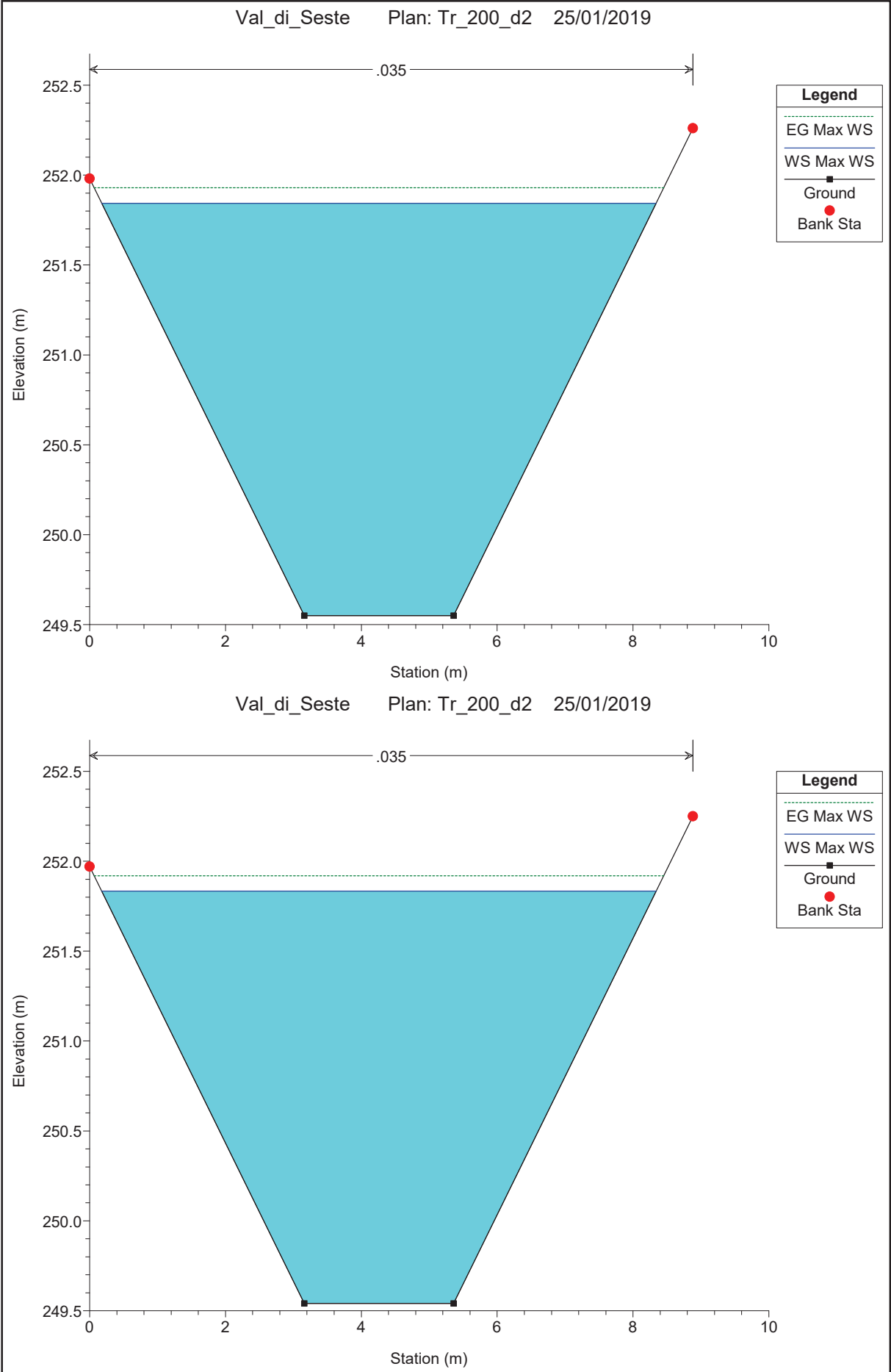


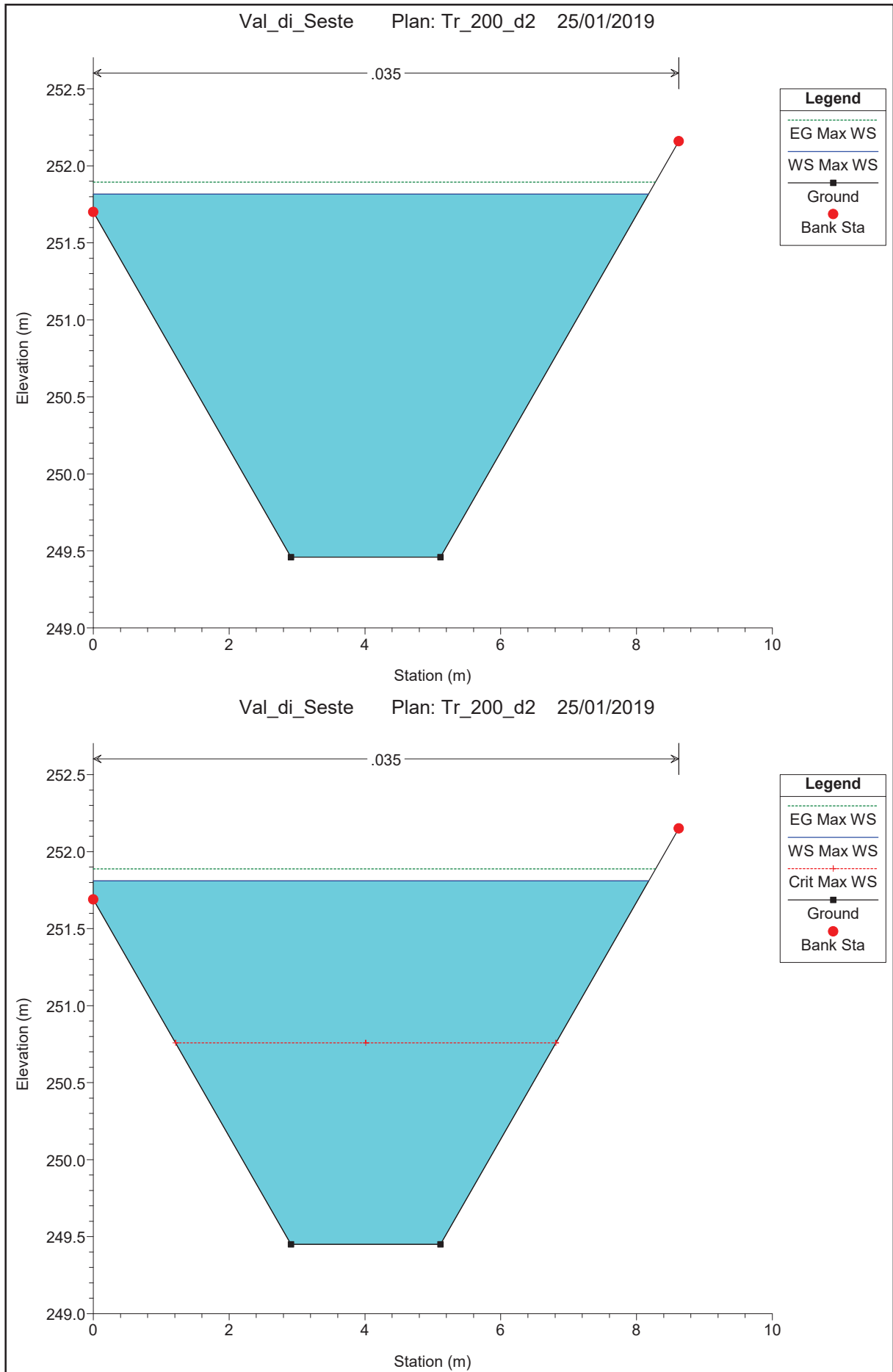


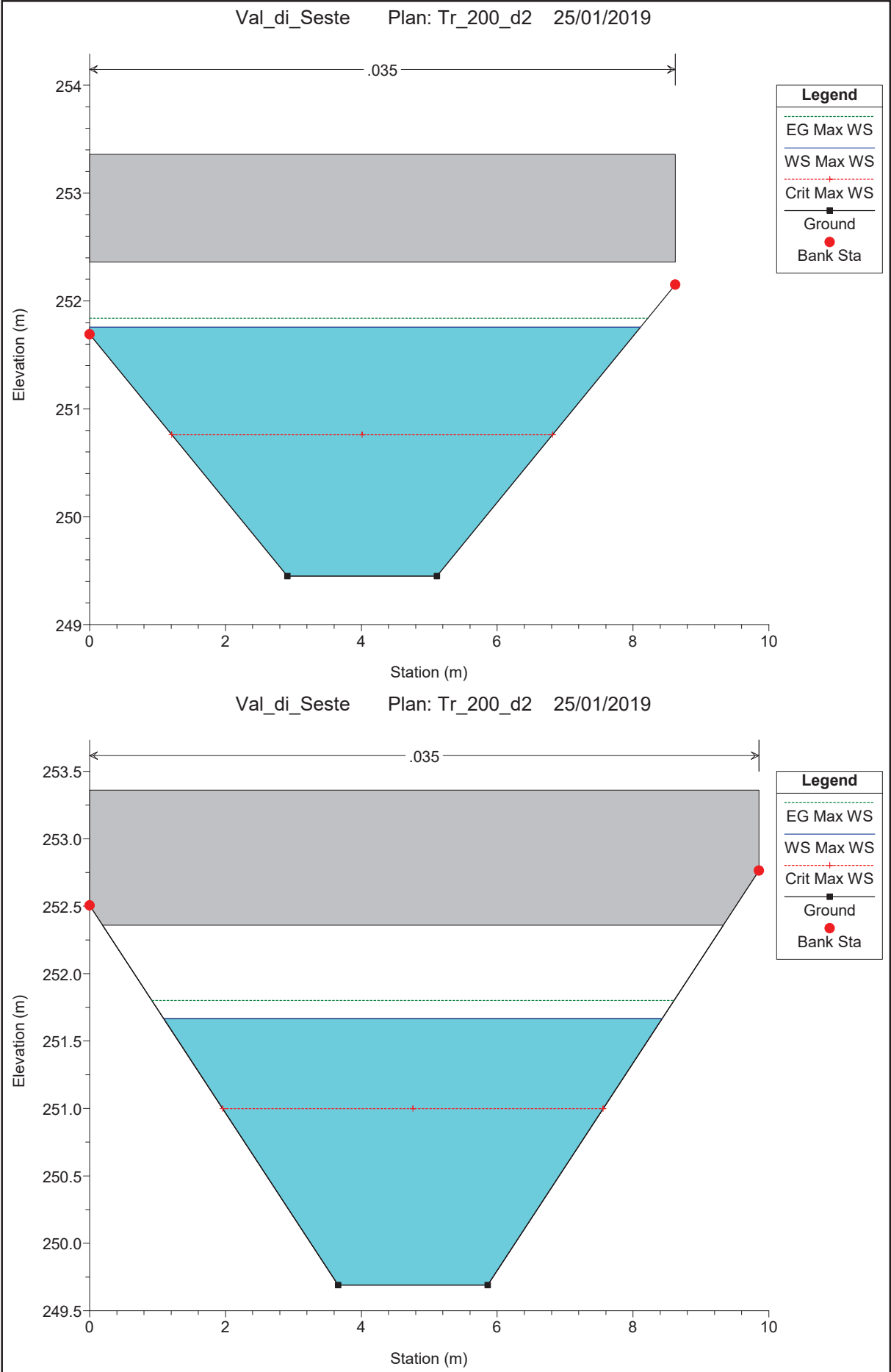


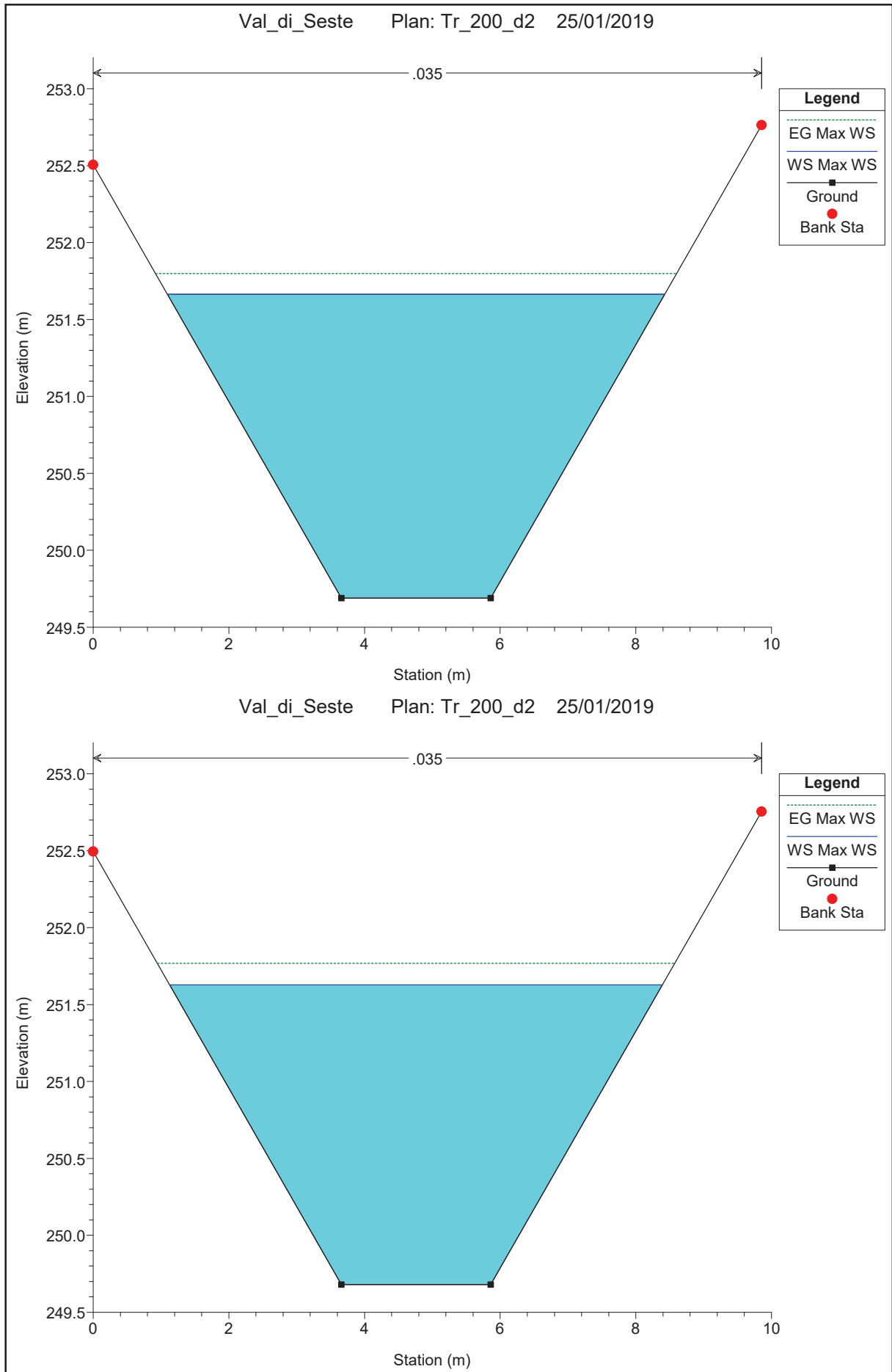


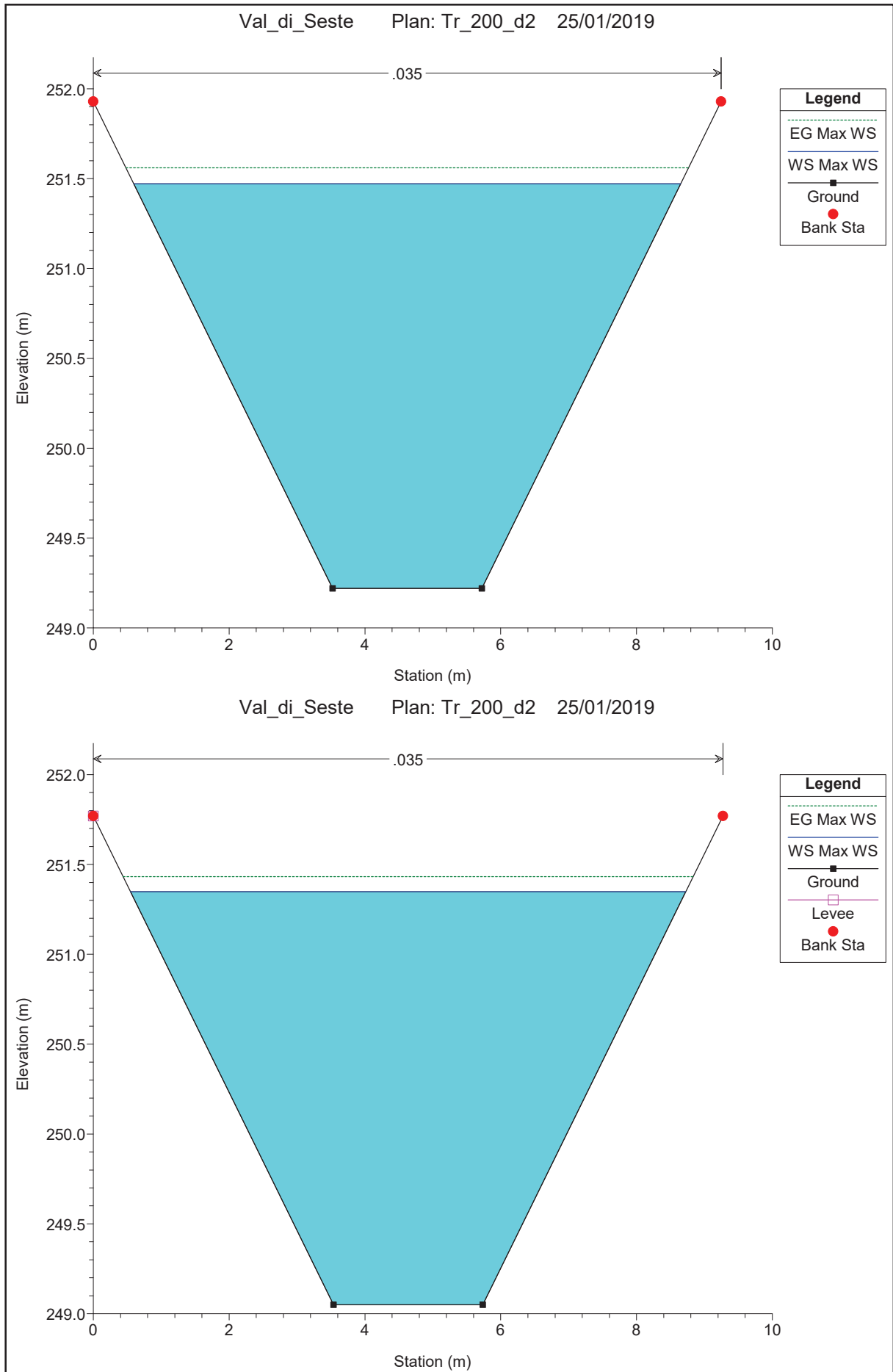


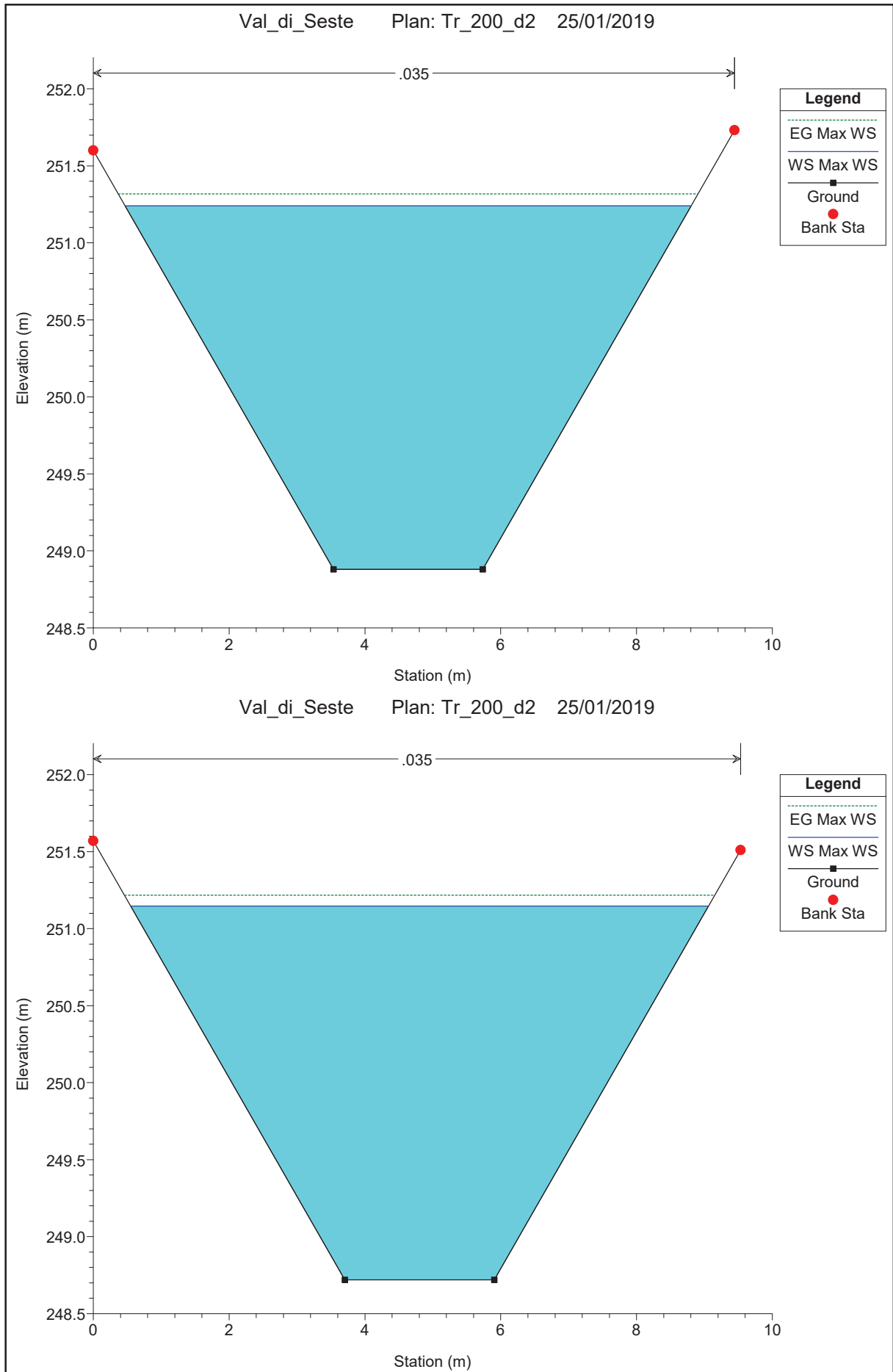


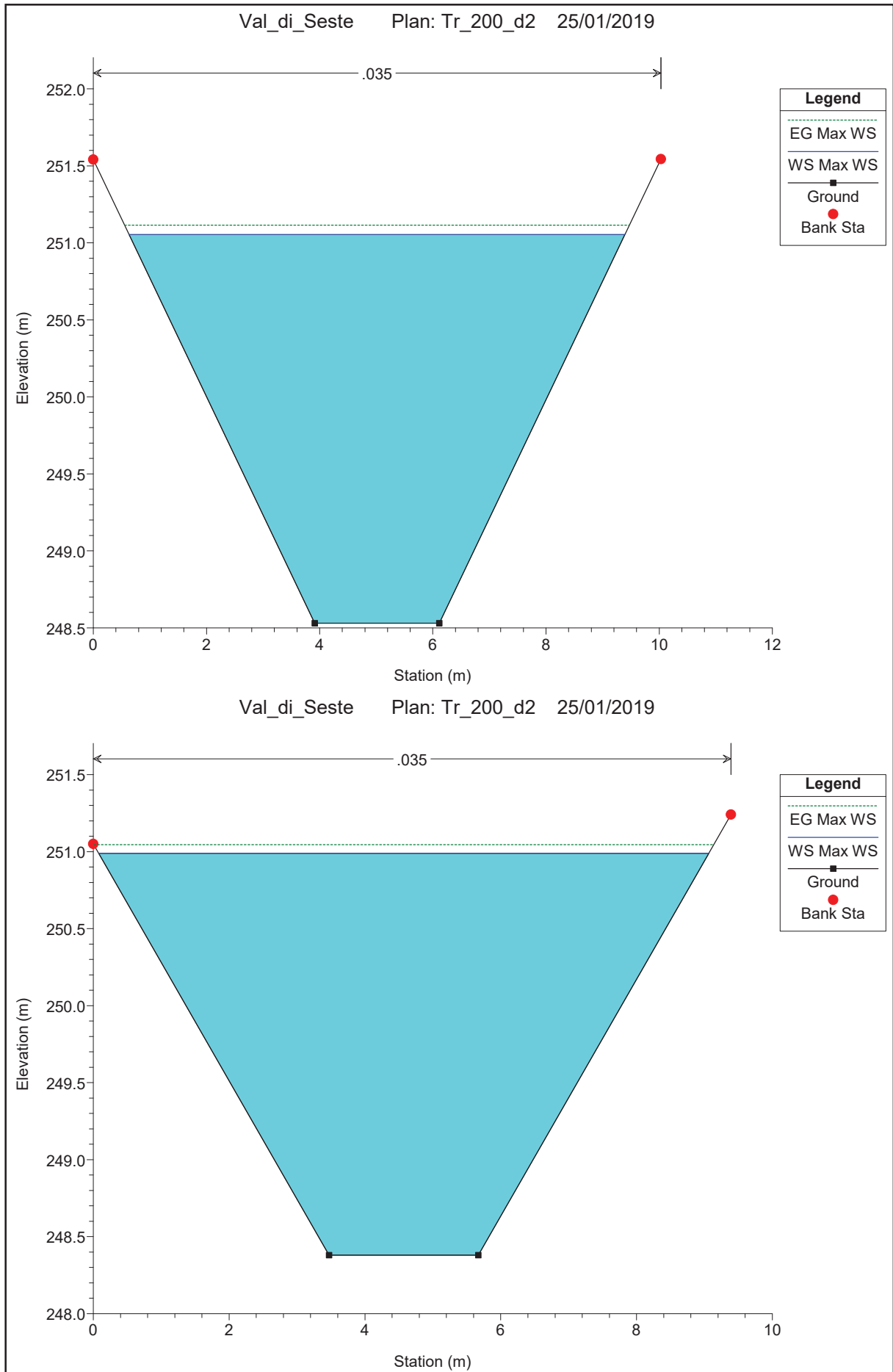


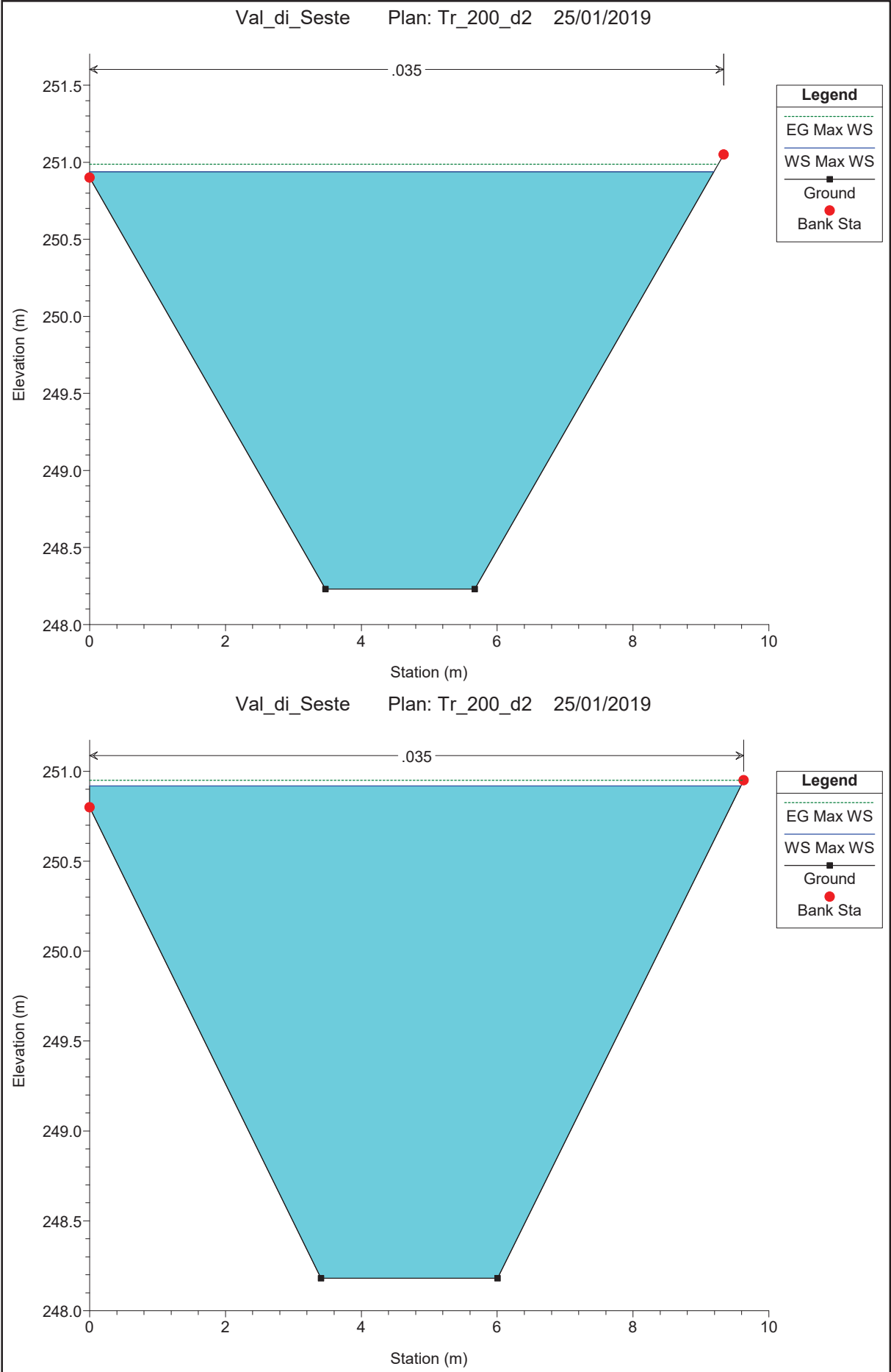


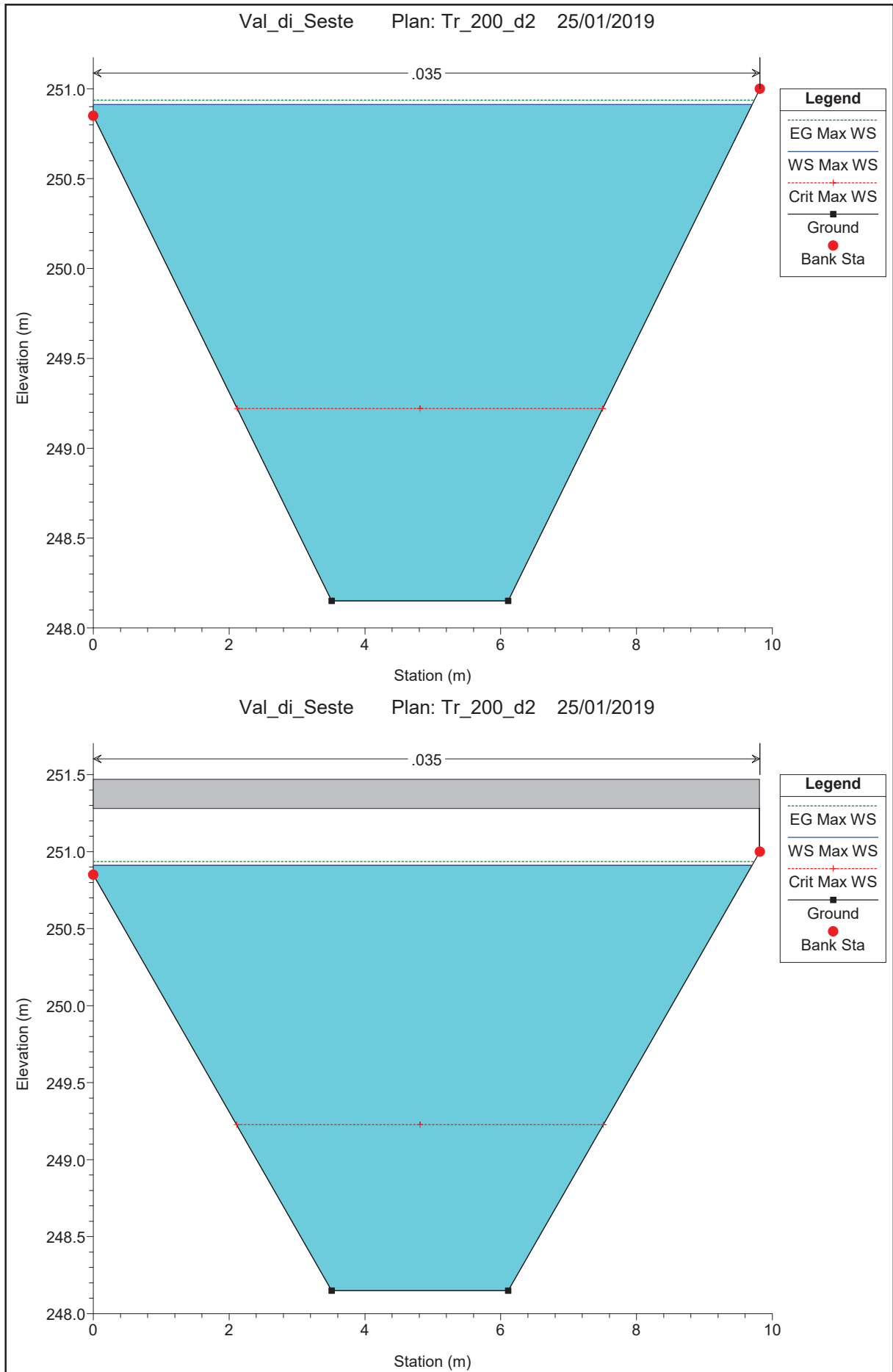


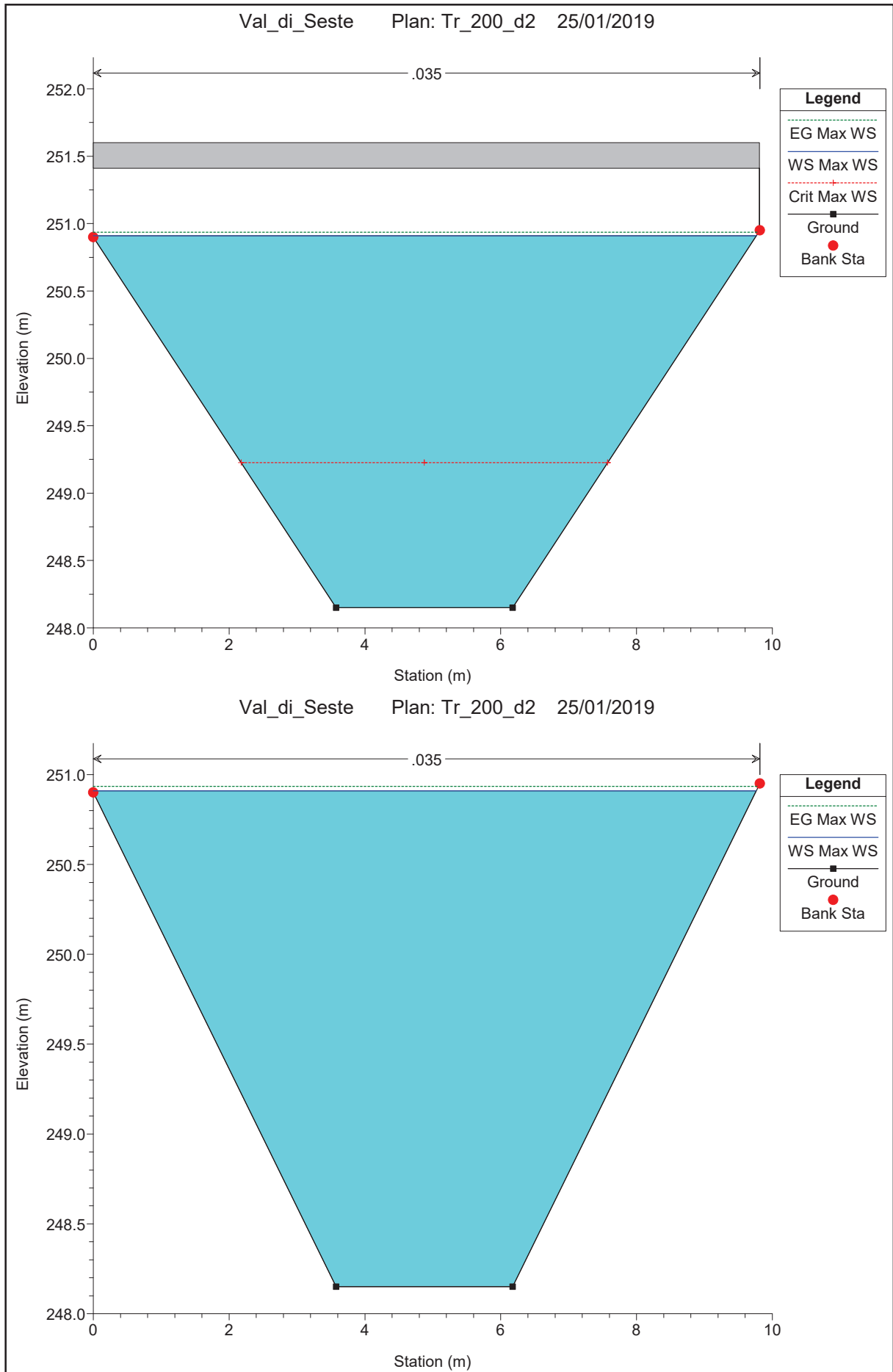


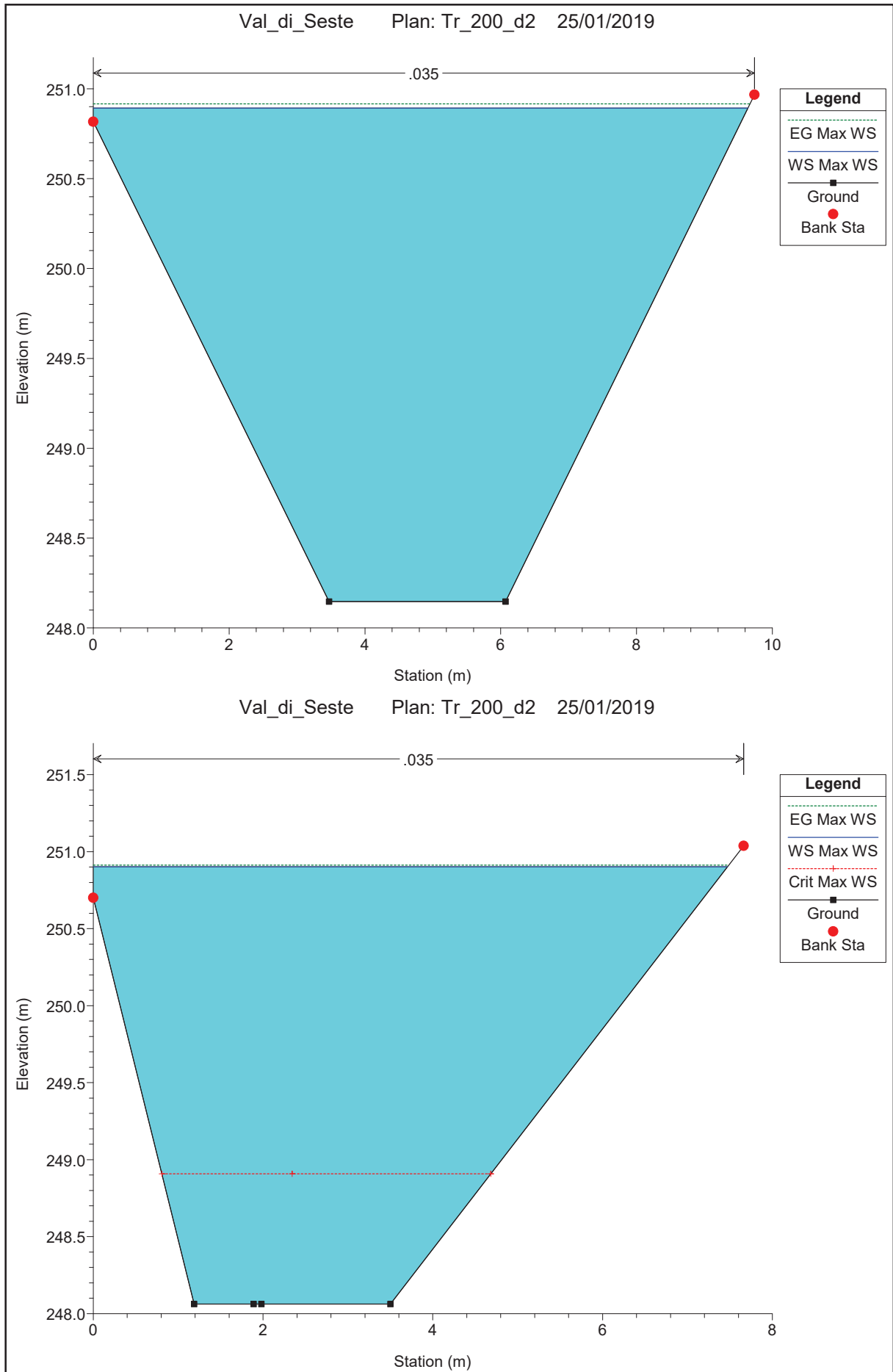


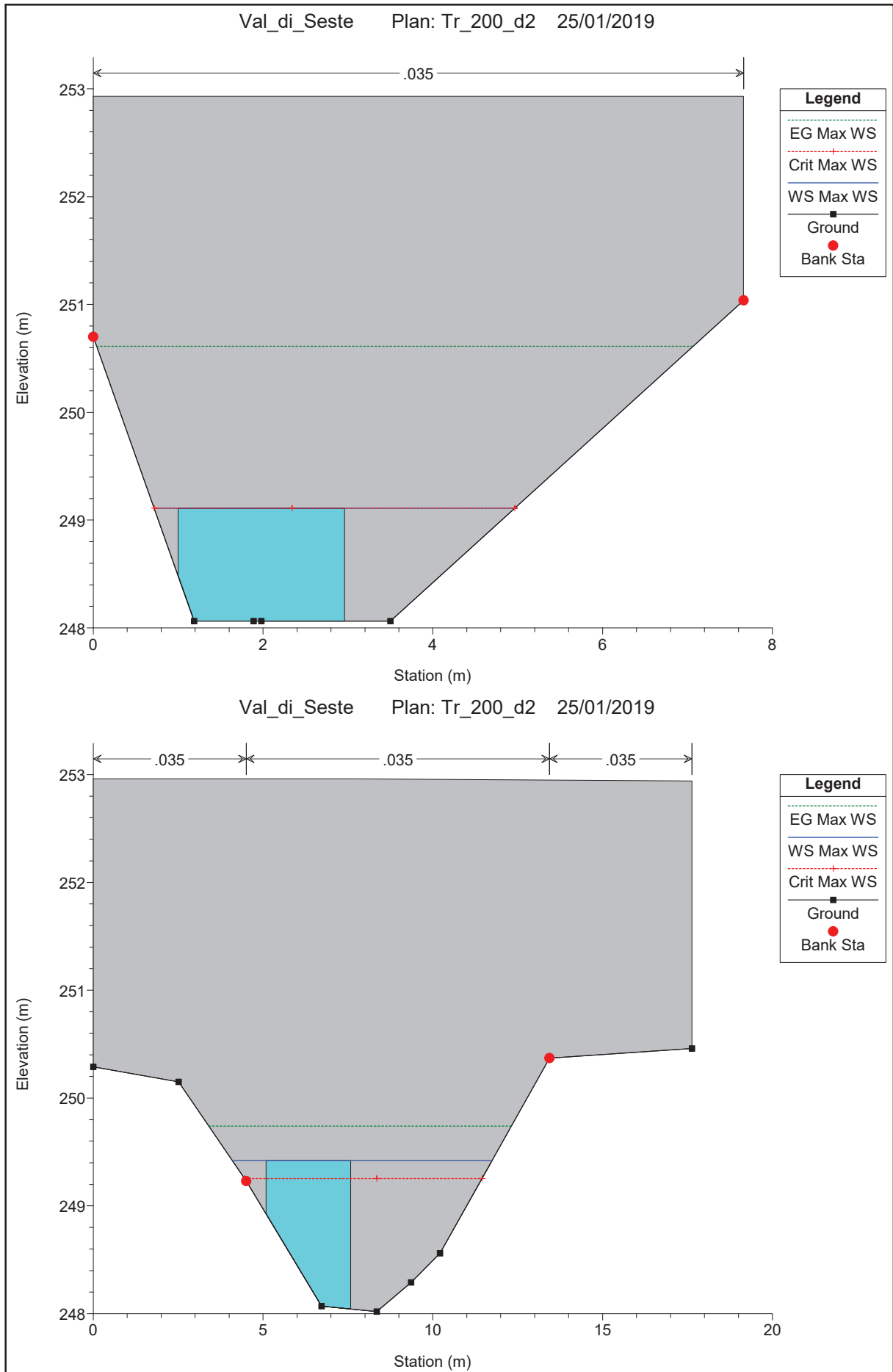


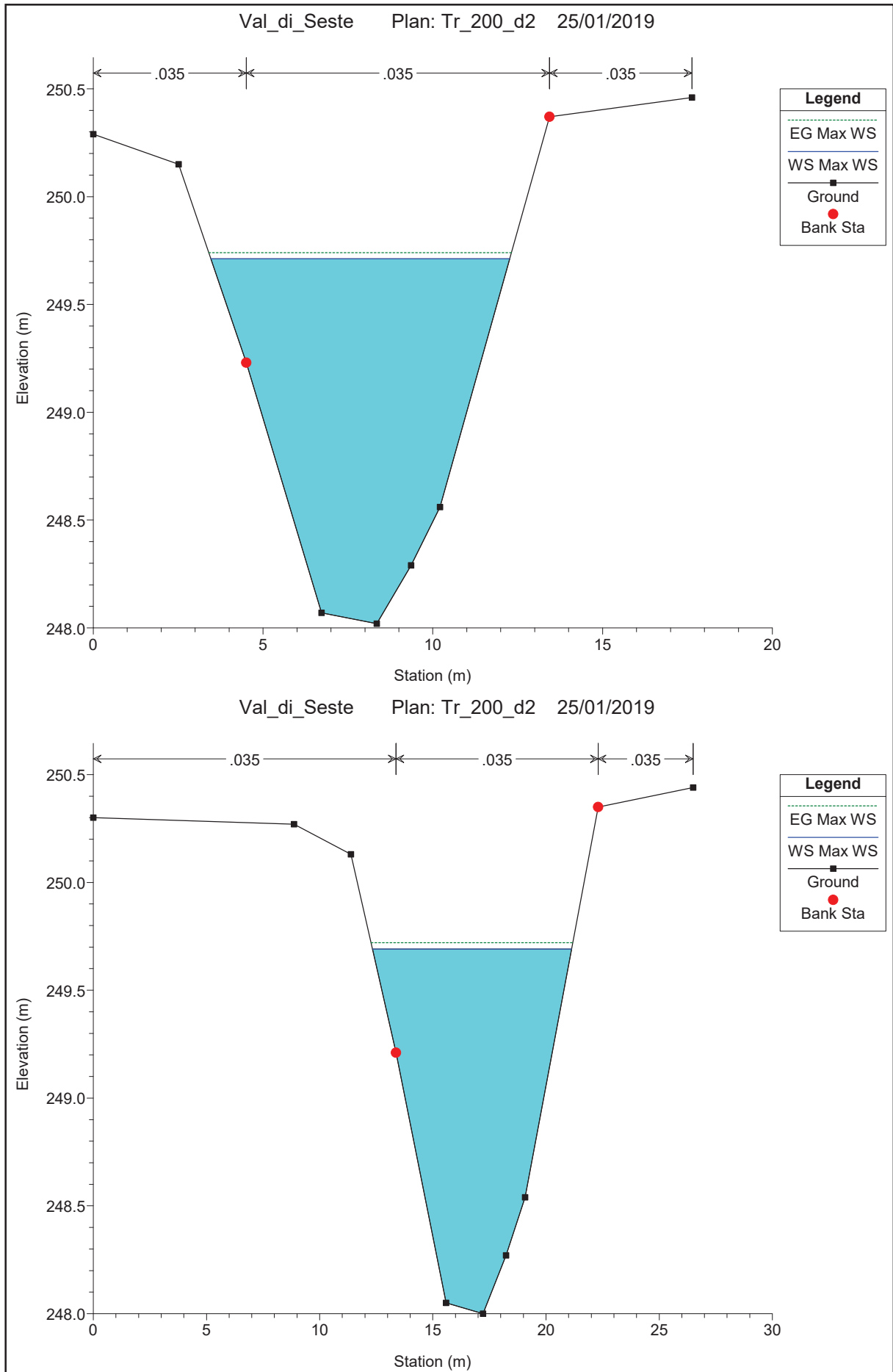




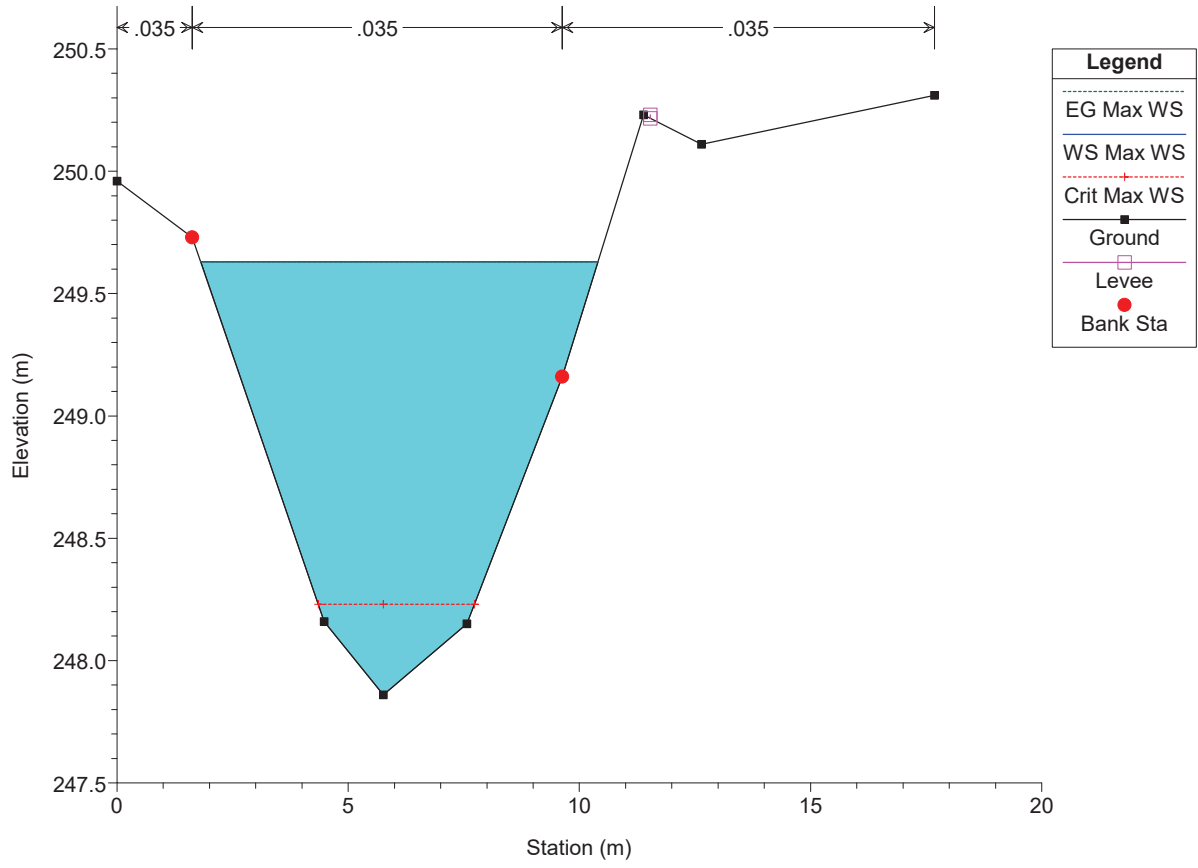








Val_di_Seste Plan: Tr_200_d2 25/01/2019





ALLEGATI

MODELLAZIONE HEC-RAS 5.0.6 "Val di Seste"

CANALE CONSORZIALE VAL DI SESTE

MODELLAZIONE PER TR=30 anni

DURATE DI PIOGGIA: 2h

Dati idraulici

HEC-RAS Plan: UF_TR30_D2 River: VALSESTE Reach: VALSESTE Profile: Max WS

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
VALSESTE	36	Max WS	10.81	256.03	257.22		257.25	0.002036	1.17	14.25	35.08	0.38
VALSESTE	35.99		Lat Struct									
VALSESTE	35.98		Lat Struct									
VALSESTE	35	Max WS	7.65	254.98	257.17		257.18	0.000309	0.59	19.66	39.24	0.15
VALSESTE	34.9	Max WS	6.97	254.78	257.18	255.82	257.18	0.000104	0.37	27.71	39.24	0.09
VALSESTE	34.5		Bridge									
VALSESTE	34	Max WS	6.97	254.54	257.11		257.13	0.000572	0.75	12.58	21.73	0.18
VALSESTE	33	Max WS	8.49	254.83	257.07		257.11	0.001591	1.11	10.70	20.80	0.27
VALSESTE	32.9	Max WS	9.53	254.81	257.04	256.36	257.10	0.002072	1.26	10.55	20.80	0.31
VALSESTE	32.5		Bridge									
VALSESTE	32.1	Max WS	9.53	254.62	255.76	255.73	256.12	0.014967	2.67	3.57	4.55	0.96
VALSESTE	32	Max WS	9.55	254.55	255.61	255.67	256.06	0.019700	2.95	3.24	4.40	1.10
VALSESTE	31	Max WS	9.75	252.95	254.39		254.54	0.004843	1.75	5.56	5.74	0.57
VALSESTE	30	Max WS	9.91	252.55	253.96	253.62	254.13	0.005435	1.84	5.39	5.66	0.60
VALSESTE	29.50	Passerella Pedon										
VALSESTE	29.4	Max WS	9.91	252.53	253.95		254.12	0.005289	1.82	5.45	5.68	0.59
VALSESTE	29.39		Lat Struct									
VALSESTE	29	Max WS	10.08	252.12	253.72	253.07	253.81	0.002128	1.29	7.80	6.95	0.39
VALSESTE	28.50	Passerella Pedon										
VALSESTE	28	Max WS	10.08	252.10	253.58		253.73	0.004634	1.74	5.80	5.85	0.56
VALSESTE	27.99		Lat Struct									
VALSESTE	27	Max WS	10.42	251.27	253.07		253.16	0.002204	1.33	7.82	6.69	0.39
VALSESTE	26.9	Max WS	10.42	251.20	253.06	252.30	253.14	0.001912	1.26	8.25	6.85	0.37
VALSESTE	26.5		Bridge									
VALSESTE	26.1	Max WS	10.41	251.18	253.03		253.11	0.001994	1.28	8.12	6.80	0.37
VALSESTE	26	Max WS	10.41	251.11	253.02		253.09	0.001749	1.22	8.52	6.95	0.35
VALSESTE	25.99		Lat Struct									
VALSESTE	25	Max WS	10.40	250.88	252.79		252.87	0.001710	1.21	8.59	6.98	0.35
VALSESTE	24	Max WS	10.40	250.68	252.59		252.66	0.001732	1.22	8.55	6.96	0.35
VALSESTE	23.99		Lat Struct									
VALSESTE	23	Max WS	10.39	250.49	252.40		252.48	0.001687	1.20	8.62	6.99	0.35
VALSESTE	22	Max WS	10.38	250.20	252.13		252.20	0.001649	1.19	8.69	7.01	0.34
VALSESTE	21	Max WS	10.37	250.00	251.90	251.06	251.97	0.001565	1.17	8.87	7.14	0.33
VALSESTE	20.50	Ponte su S.S. n.										
VALSESTE	20	Max WS	10.37	249.97	251.87		251.94	0.001569	1.17	8.86	7.14	0.34
VALSESTE	19.99		Lat Struct									
VALSESTE	19	Max WS	10.37	249.76	251.69		251.76	0.001454	1.14	9.11	7.23	0.32
VALSESTE	18	Max WS	10.37	249.59	251.56		251.63	0.001335	1.10	9.41	7.33	0.31
VALSESTE	17.9	Max WS	10.37	249.56	251.54	250.61	251.60	0.001311	1.09	9.47	7.35	0.31
VALSESTE	17.5		Bridge									
VALSESTE	17.1	Max WS	10.37	249.55	251.52		251.59	0.001334	1.10	9.41	7.33	0.31
VALSESTE	17.091		Lat Struct									
VALSESTE	17	Max WS	10.37	249.54	251.52		251.58	0.001329	1.10	9.42	7.34	0.31
VALSESTE	16	Max WS	10.37	249.46	251.50		251.55	0.001168	1.05	9.89	7.50	0.29
VALSESTE	15.9	Max WS	10.37	249.45	251.49	250.51	251.55	0.001158	1.05	9.92	7.51	0.29
VALSESTE	15.5		Bridge									
VALSESTE	15.1	Max WS	10.37	249.69	251.38		251.48	0.002542	1.40	7.41	6.58	0.42
VALSESTE	15	Max WS	10.37	249.68	251.34		251.45	0.002676	1.43	7.27	6.53	0.43
VALSESTE	14	Max WS	10.36	249.22	251.22		251.28	0.001273	1.08	9.57	7.39	0.30
VALSESTE	13	Max WS	10.36	249.05	251.13		251.18	0.001075	1.02	10.20	7.61	0.28
VALSESTE	12	Max WS	10.36	248.88	251.06		251.10	0.000885	0.95	10.96	7.87	0.26
VALSESTE	11	Max WS	10.36	248.72	251.00		251.04	0.000728	0.88	11.79	8.13	0.23
VALSESTE	10	Max WS	10.36	248.53	250.95		250.98	0.000567	0.80	12.94	8.49	0.21
VALSESTE	9	Max WS	10.36	248.38	250.92		250.95	0.000464	0.74	13.95	8.80	0.19
VALSESTE	8.991		Lat Struct									
VALSESTE	8	Max WS	10.36	248.23	250.89		250.92	0.000378	0.69	15.06	9.12	0.17
VALSESTE	7	Max WS	9.75	248.18	250.87		250.89	0.000263	0.59	16.47	9.53	0.14
VALSESTE	6	Max WS	9.26	248.15	250.87	249.07	250.88	0.000230	0.56	16.67	9.64	0.13
VALSESTE	5.50	Passerella Pedon										
VALSESTE	5	Max WS	9.26	248.15	250.87		250.88	0.000232	0.56	16.65	9.66	0.14
VALSESTE	4.991		Lat Struct									
VALSESTE	4	Max WS	9.17	248.15	250.85		250.87	0.000230	0.55	16.54	9.59	0.13
VALSESTE	3	Max WS	6.69	248.06	250.85	248.90	250.86	0.000200	0.49	13.60	7.40	0.12
VALSESTE	2.50	Inizio Tratto In										
VALSESTE	2.1	Max WS	6.69	248.02	249.71		249.74	0.000630	0.74	9.15	8.79	0.22
VALSESTE	2	Max WS	6.69	248.00	249.69		249.72	0.000630	0.74	9.15	8.80	0.22
VALSESTE	1	Max WS	1.00	247.86	249.63	248.23	249.63	0.000014	0.11	9.17	8.59	0.03



ALLEGATI

MODELLAZIONE HEC-RAS 5.0.6 "Val di Seste"

CANALE CONSORZIALE VAL DI SESTE

MODELLAZIONE PER TR=200 anni

DURATE DI PIOGGIA: 2h

Dati idraulici

HEC-RAS Plan: tr200_d2 River: VALSESTE Reach: VALSESTE Profile: Max WS

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
VALSESTE	36	Max WS	14.95	256.03	258.06		258.06	0.000113	0.42	43.77	35.08	0.10
VALSESTE	35.99		Lat Struct									
VALSESTE	35.98		Lat Struct									
VALSESTE	35	Max WS	15.39	254.98	258.05		258.05	0.000069	0.38	54.02	39.24	0.08
VALSESTE	34.9	Max WS	7.44	254.78	258.05	255.85	258.05	0.000010	0.15	62.08	39.24	0.03
VALSESTE	34.5		Bridge									
VALSESTE	34	Max WS	7.43	254.54	258.04		258.05	0.000044	0.27	32.95	21.73	0.05
VALSESTE	33	Max WS	12.12	254.83	258.05		258.05	0.000140	0.44	31.02	20.80	0.09
VALSESTE	32.9	Max WS	14.66	254.81	258.04	256.95	258.05	0.000199	0.53	31.32	20.80	0.10
VALSESTE	32.5		Bridge									
VALSESTE	32.1	Max WS	14.66	254.62	256.03	256.02	256.49	0.015107	3.01	4.87	5.11	0.98
VALSESTE	32	Max WS	14.66	254.55	255.89	255.94	256.42	0.018558	3.25	4.52	4.96	1.09
VALSESTE	31	Max WS	14.80	252.95	254.71		254.91	0.004861	1.96	7.57	6.59	0.58
VALSESTE	30	Max WS	14.96	252.55	254.31	253.88	254.51	0.004986	1.98	7.56	6.58	0.59
VALSESTE	29.50	Passerella Pedon										
VALSESTE	29.4	Max WS	14.96	252.53	254.30		254.49	0.004937	1.97	7.59	6.59	0.59
VALSESTE	29.39		Lat Struct									
VALSESTE	29	Max WS	15.13	252.12	254.10	253.31	254.20	0.002093	1.43	10.59	7.92	0.39
VALSESTE	28.50	Passerella Pedon										
VALSESTE	28	Max WS	15.13	252.10	253.94		254.12	0.004232	1.87	8.10	6.80	0.55
VALSESTE	27.99		Lat Struct									
VALSESTE	27	Max WS	15.47	251.27	253.50		253.60	0.001998	1.42	10.90	7.80	0.38
VALSESTE	26.9	Max WS	15.47	251.20	253.49	252.56	253.58	0.001770	1.36	11.40	7.96	0.36
VALSESTE	26.5		Bridge									
VALSESTE	26.1	Max WS	15.46	251.18	253.42		253.52	0.001952	1.41	10.99	7.82	0.38
VALSESTE	26	Max WS	15.47	251.11	253.41		253.50	0.001745	1.35	11.46	7.98	0.36
VALSESTE	25.99		Lat Struct									
VALSESTE	25	Max WS	15.46	250.88	253.19		253.28	0.001709	1.34	11.55	8.00	0.36
VALSESTE	24	Max WS	15.45	250.68	252.98		253.07	0.001731	1.34	11.49	7.99	0.36
VALSESTE	23.99		Lat Struct									
VALSESTE	23	Max WS	15.45	250.49	252.80		252.89	0.001697	1.33	11.57	8.01	0.35
VALSESTE	22	Max WS	15.44	250.20	252.52		252.61	0.001680	1.33	11.62	8.03	0.35
VALSESTE	21	Max WS	15.44	250.00	252.28	251.31	252.37	0.001617	1.31	11.79	8.13	0.35
VALSESTE	20.50	Ponte su S.S. n.										
VALSESTE	20	Max WS	15.44	249.97	252.24		252.33	0.001653	1.32	11.69	8.10	0.35
VALSESTE	19.99		Lat Struct									
VALSESTE	19	Max WS	15.44	249.76	252.05		252.14	0.001592	1.30	11.86	8.15	0.34
VALSESTE	18	Max WS	15.44	249.59	251.90		251.99	0.001525	1.28	12.05	8.22	0.34
VALSESTE	17.9	Max WS	15.44	249.56	251.88	250.87	251.96	0.001512	1.28	12.09	8.23	0.34
VALSESTE	17.5		Bridge									
VALSESTE	17.1	Max WS	15.44	249.55	251.84		251.93	0.001582	1.30	11.88	8.16	0.34
VALSESTE	17.091		Lat Struct									
VALSESTE	17	Max WS	15.44	249.54	251.83		251.92	0.001582	1.30	11.89	8.16	0.34
VALSESTE	16	Max WS	15.29	249.46	251.82		251.89	0.001373	1.23	12.39	8.17	0.32
VALSESTE	15.9	Max WS	15.27	249.45	251.81	250.76	251.89	0.001359	1.23	12.43	8.18	0.32
VALSESTE	15.5		Bridge									
VALSESTE	15.1	Max WS	15.27	249.69	251.66		251.80	0.002890	1.62	9.41	7.33	0.46
VALSESTE	15	Max WS	15.27	249.68	251.63		251.77	0.003060	1.66	9.22	7.26	0.47
VALSESTE	14	Max WS	15.27	249.22	251.47		251.56	0.001671	1.32	11.55	8.05	0.35
VALSESTE	13	Max WS	15.27	249.05	251.35		251.43	0.001532	1.28	11.93	8.18	0.34
VALSESTE	12	Max WS	15.27	248.88	251.24		251.32	0.001369	1.23	12.44	8.34	0.32
VALSESTE	11	Max WS	15.26	248.72	251.15		251.22	0.001218	1.17	12.99	8.51	0.30
VALSESTE	10	Max WS	15.26	248.53	251.05		251.12	0.001031	1.10	13.83	8.76	0.28
VALSESTE	9	Max WS	15.26	248.38	250.99		251.04	0.000893	1.05	14.59	8.98	0.26
VALSESTE	8.991		Lat Struct									
VALSESTE	8	Max WS	15.18	248.23	250.94		250.99	0.000751	0.98	15.49	9.19	0.24
VALSESTE	7	Max WS	13.28	248.18	250.92		250.95	0.000455	0.79	16.89	9.59	0.19
VALSESTE	6	Max WS	12.00	248.15	250.91	249.22	250.94	0.000361	0.70	17.10	9.70	0.17
VALSESTE	5.50	Passerella Pedon										
VALSESTE	5	Max WS	12.00	248.15	250.91		250.94	0.000363	0.70	17.08	9.76	0.17
VALSESTE	4.991		Lat Struct									
VALSESTE	4	Max WS	11.35	248.15	250.89		250.92	0.000330	0.67	16.94	9.64	0.16
VALSESTE	3	Max WS	6.77	248.06	250.90	248.91	250.91	0.000190	0.48	14.00	7.47	0.11
VALSESTE	2.50	Inizio Tratto In										
VALSESTE	2.1	Max WS	6.77	248.02	249.71		249.74	0.000643	0.75	9.16	8.80	0.22
VALSESTE	2	Max WS	6.77	248.00	249.69		249.72	0.000643	0.75	9.16	8.80	0.22
VALSESTE	1	Max WS	1.00	247.86	249.63	248.23	249.63	0.000014	0.11	9.17	8.59	0.03



ALLEGATI

MODELLAZIONE HEC-RAS 5.0.3 "Nibbiano"

FOSSO DI NIBBIANO

MODELLAZIONE PER TR=30 e 200 ANNI

DURATA DI PIOGGIA: 1h

Profilo longitudinale

Sezioni Trasversali

Dati idraulici



ALLEGATI

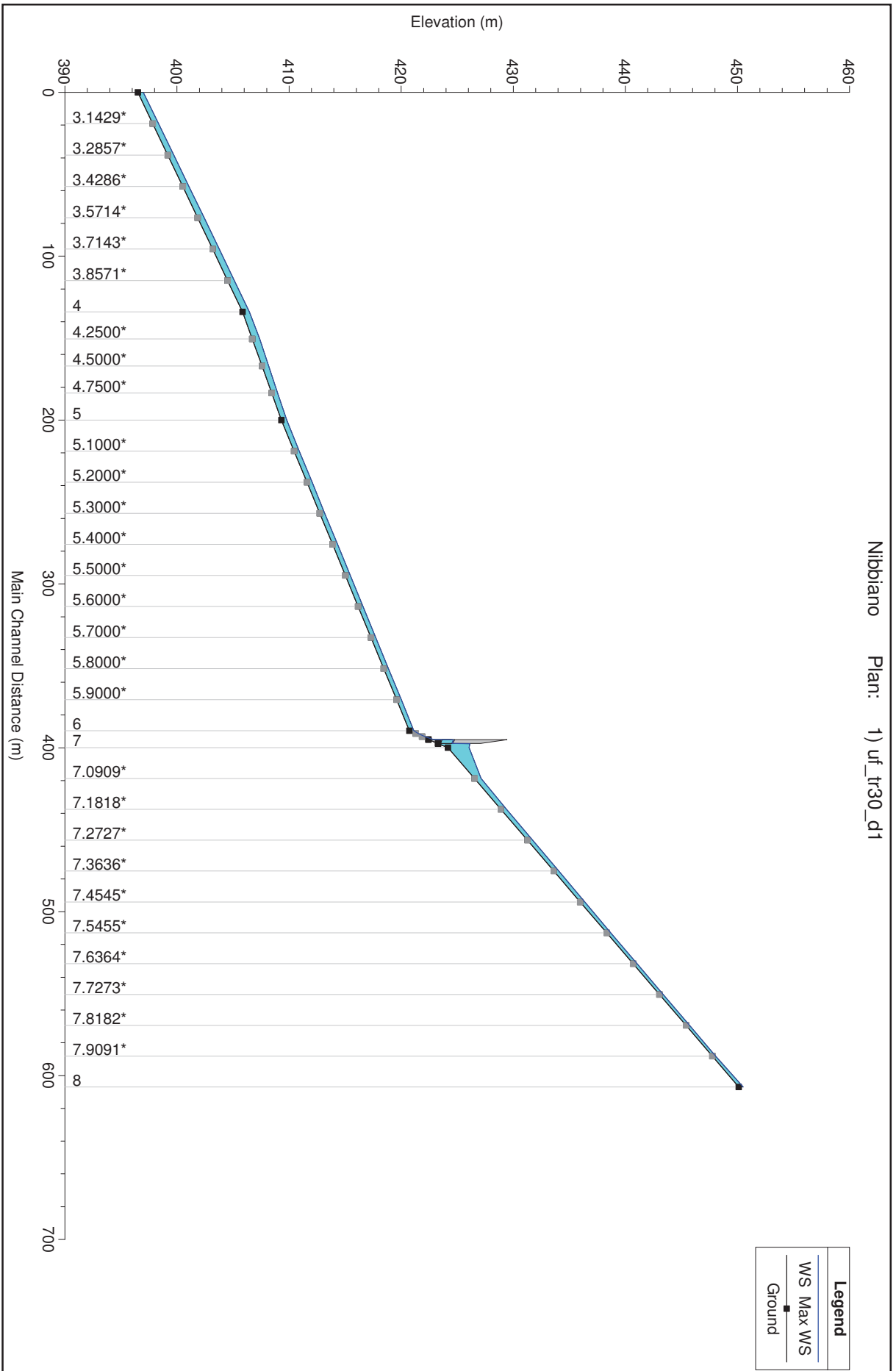
MODELLAZIONE HEC-RAS 5.0.3 "Nibbiano"

FOSSO DI NIBBIANO

MODELLAZIONE PER TR=30 anni

DURATE DI PIOGGIA: 1h

Profilo longitudinale





ALLEGATI

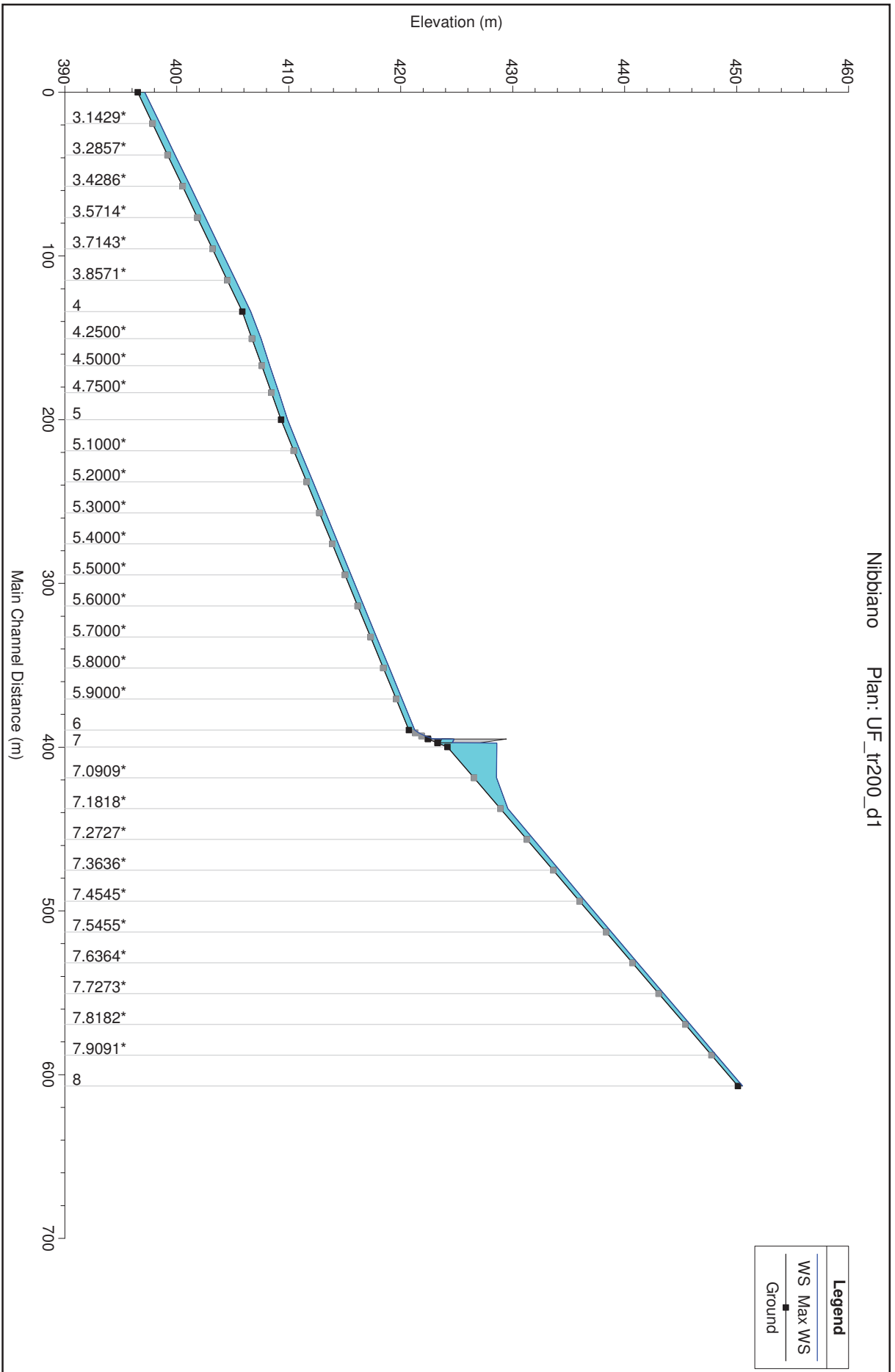
MODELLAZIONE HEC-RAS 5.0.3 "Nibbiano"

FOSSO DI NIBBIANO

MODELLAZIONE PER TR=200 anni

DURATE DI PIOGGIA: 1h

Profilo longitudinale





ALLEGATI

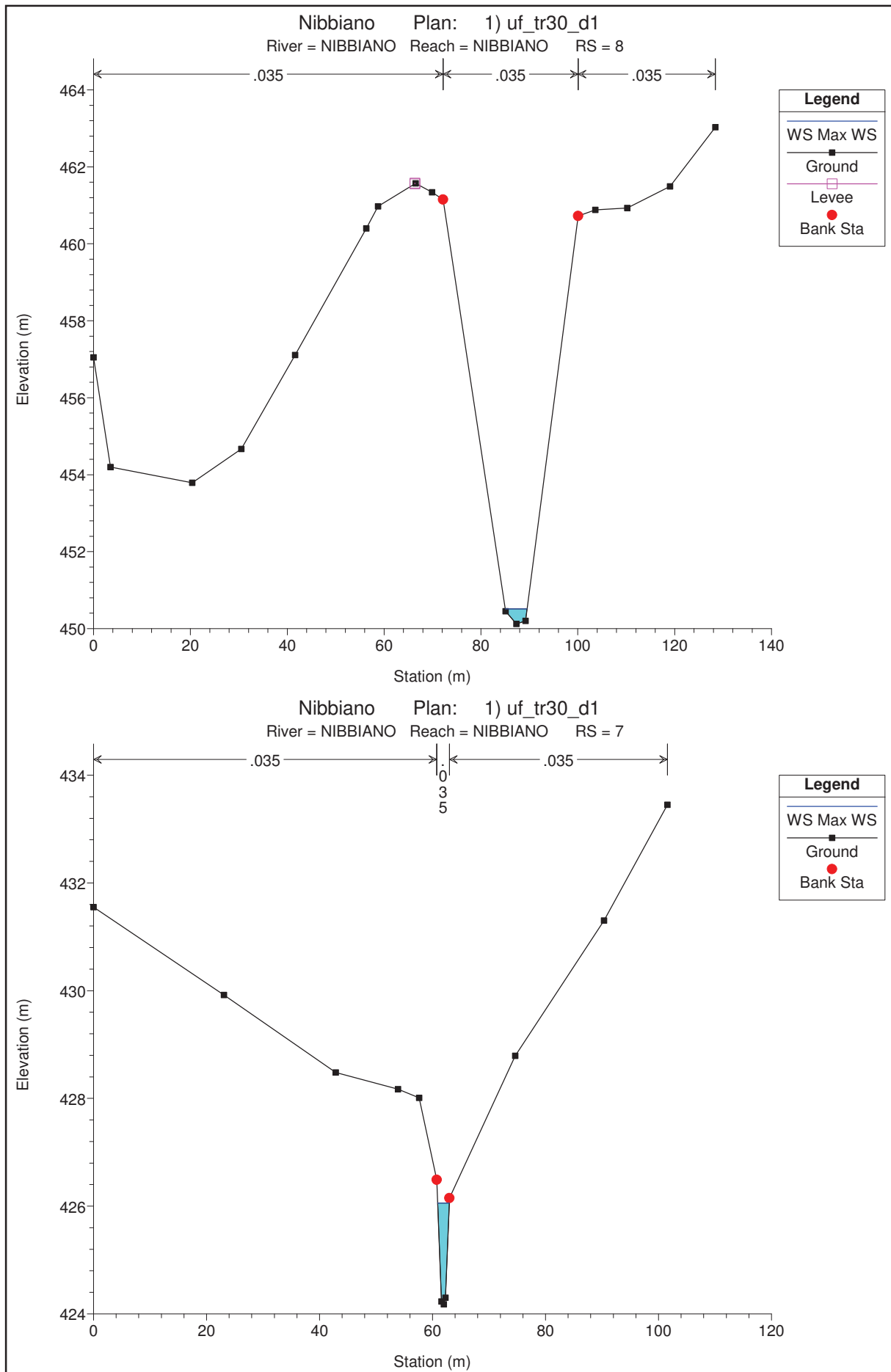
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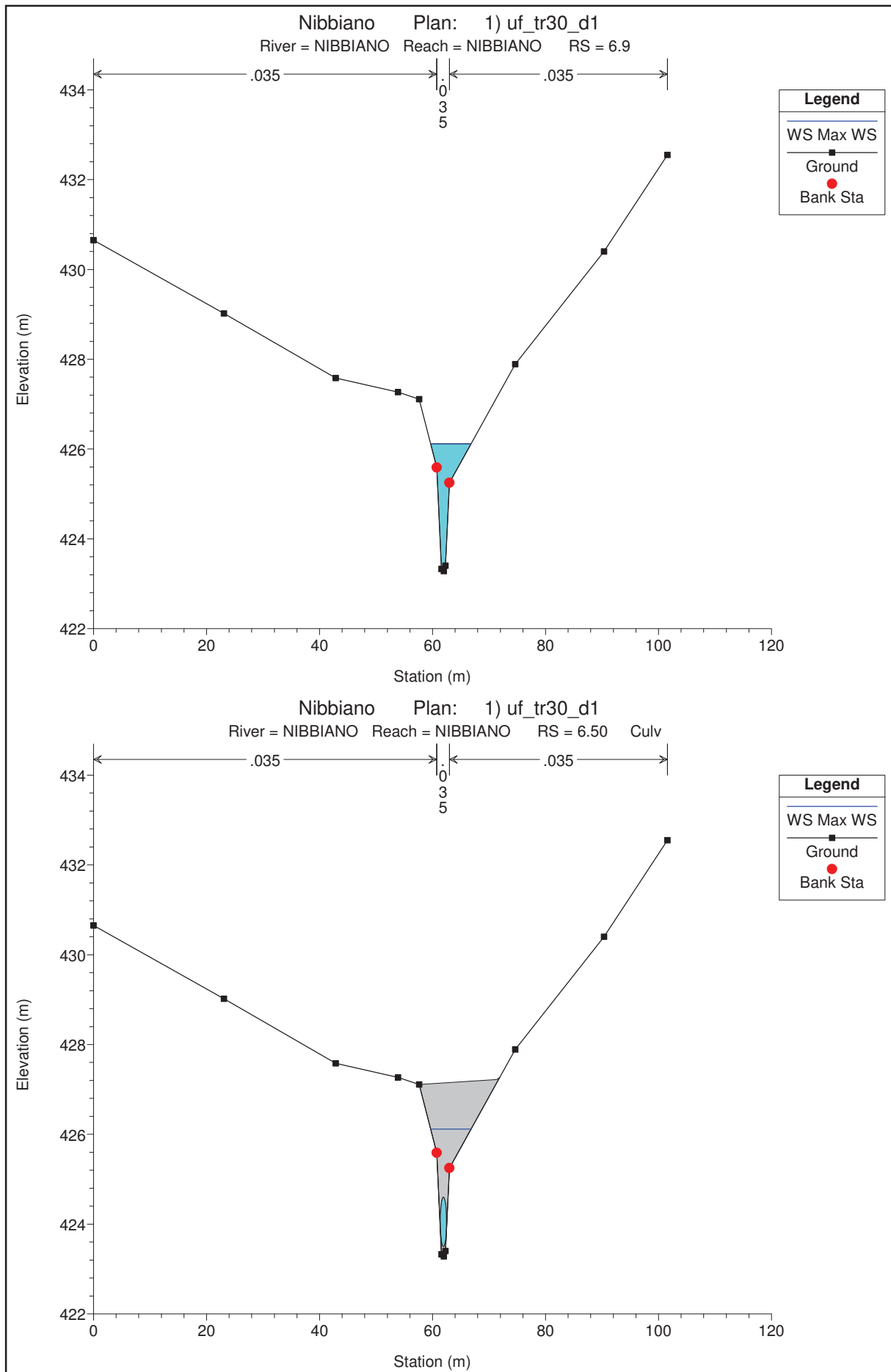
FOSSO DI NIBBIANO

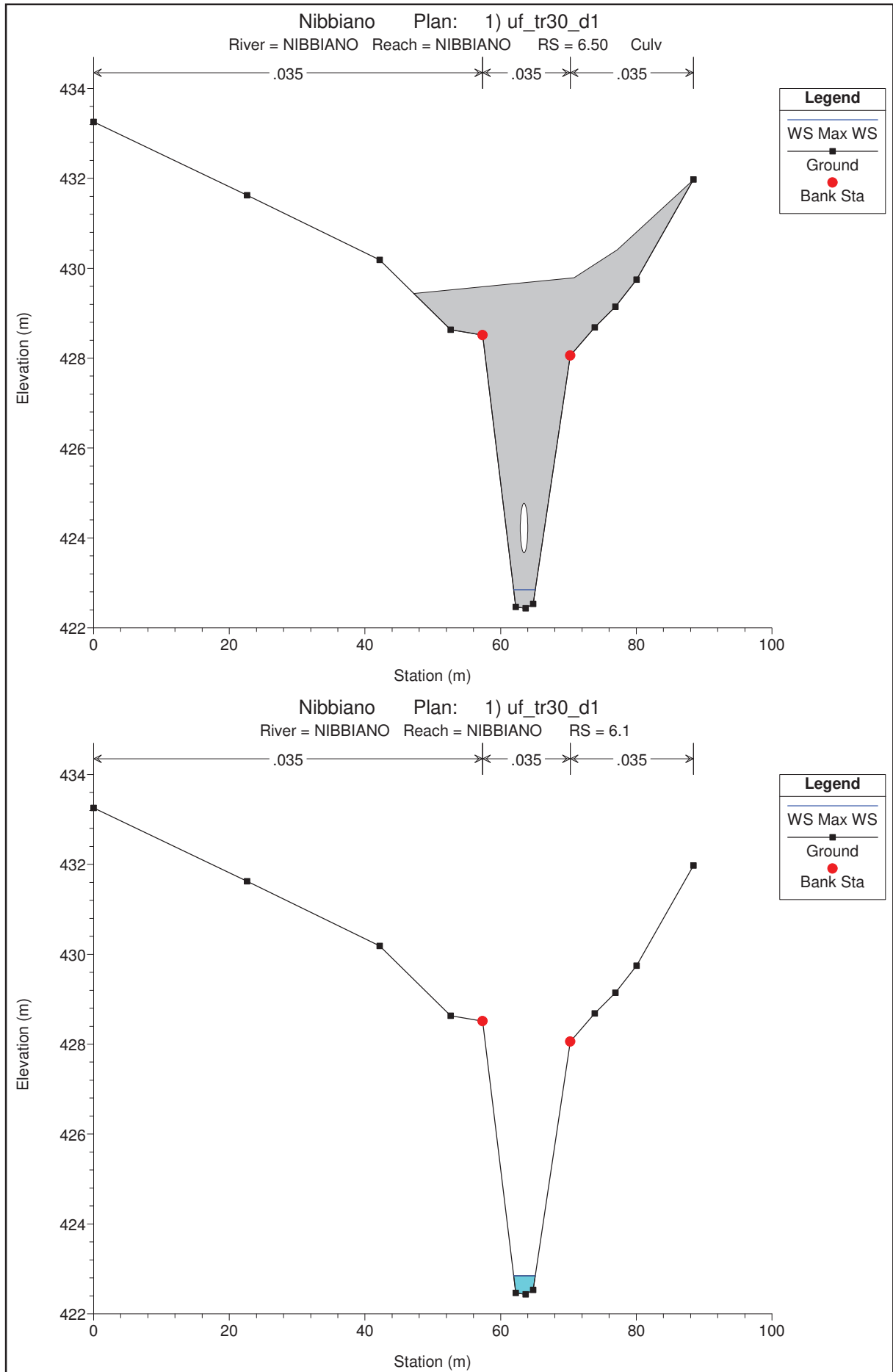
MODELLAZIONE PER TR=30 anni

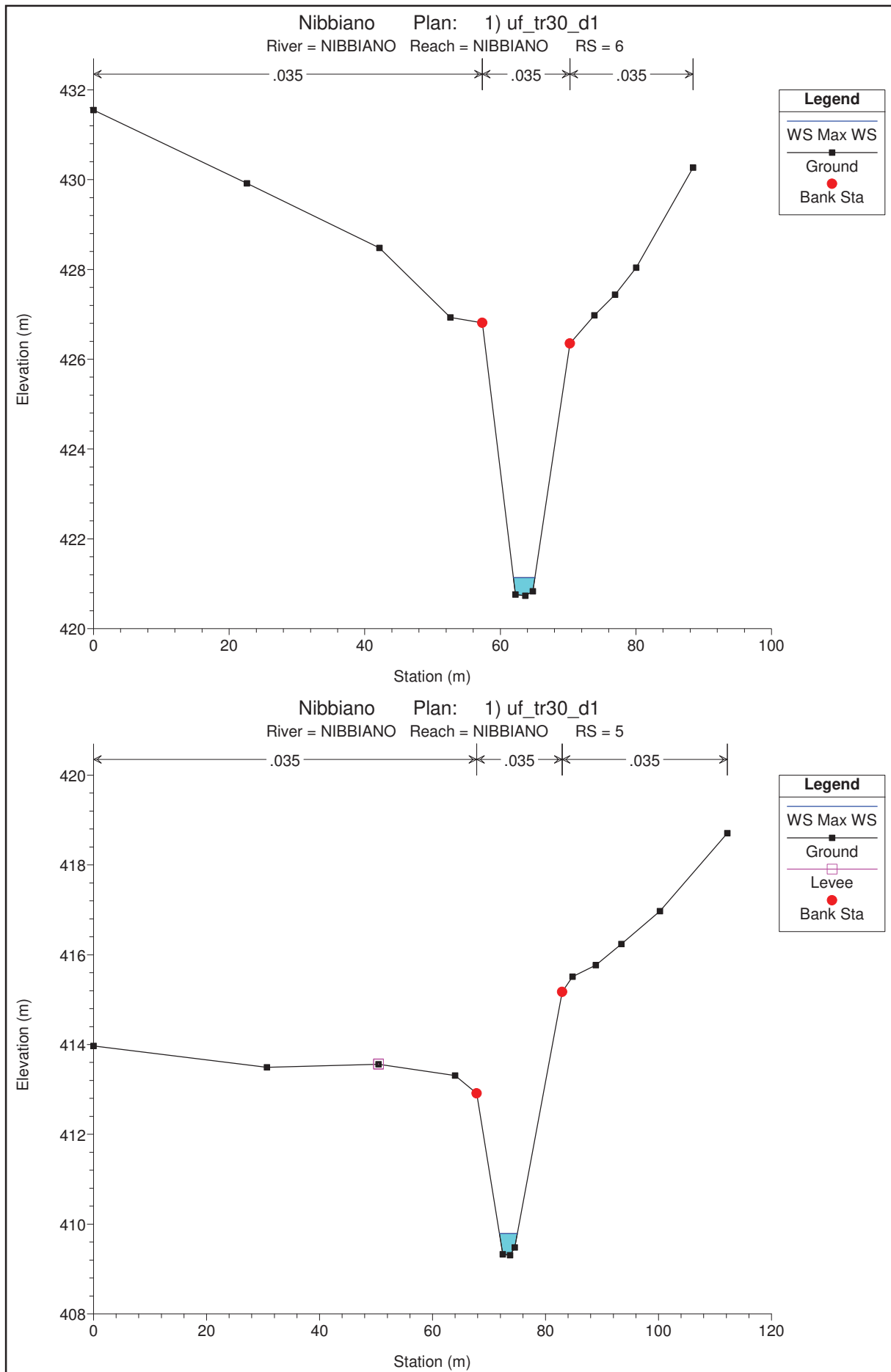
DURATE DI PIOGGIA: 1h

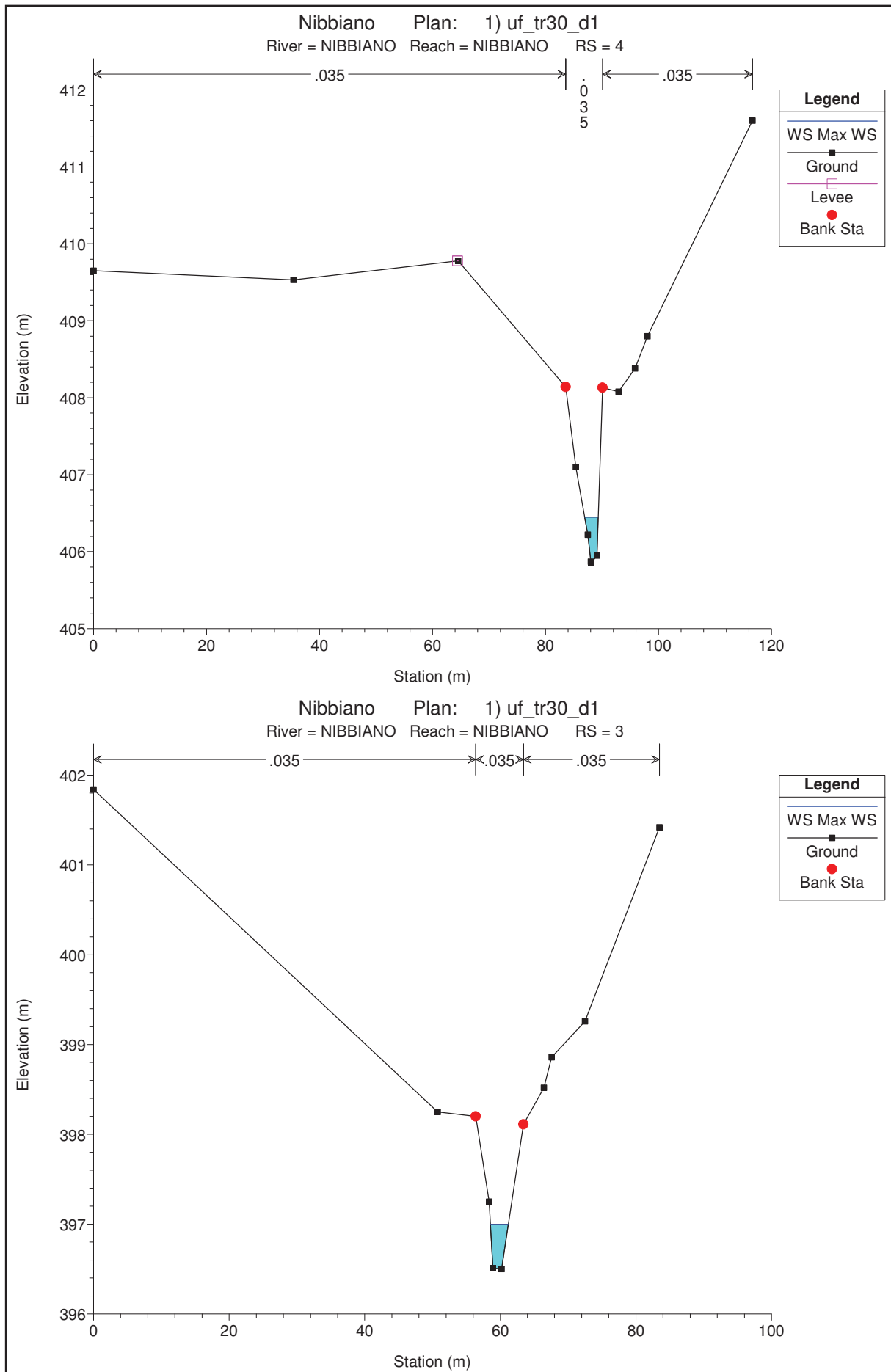
Sezioni Trasversali (da monte verso valle)













ALLEGATI

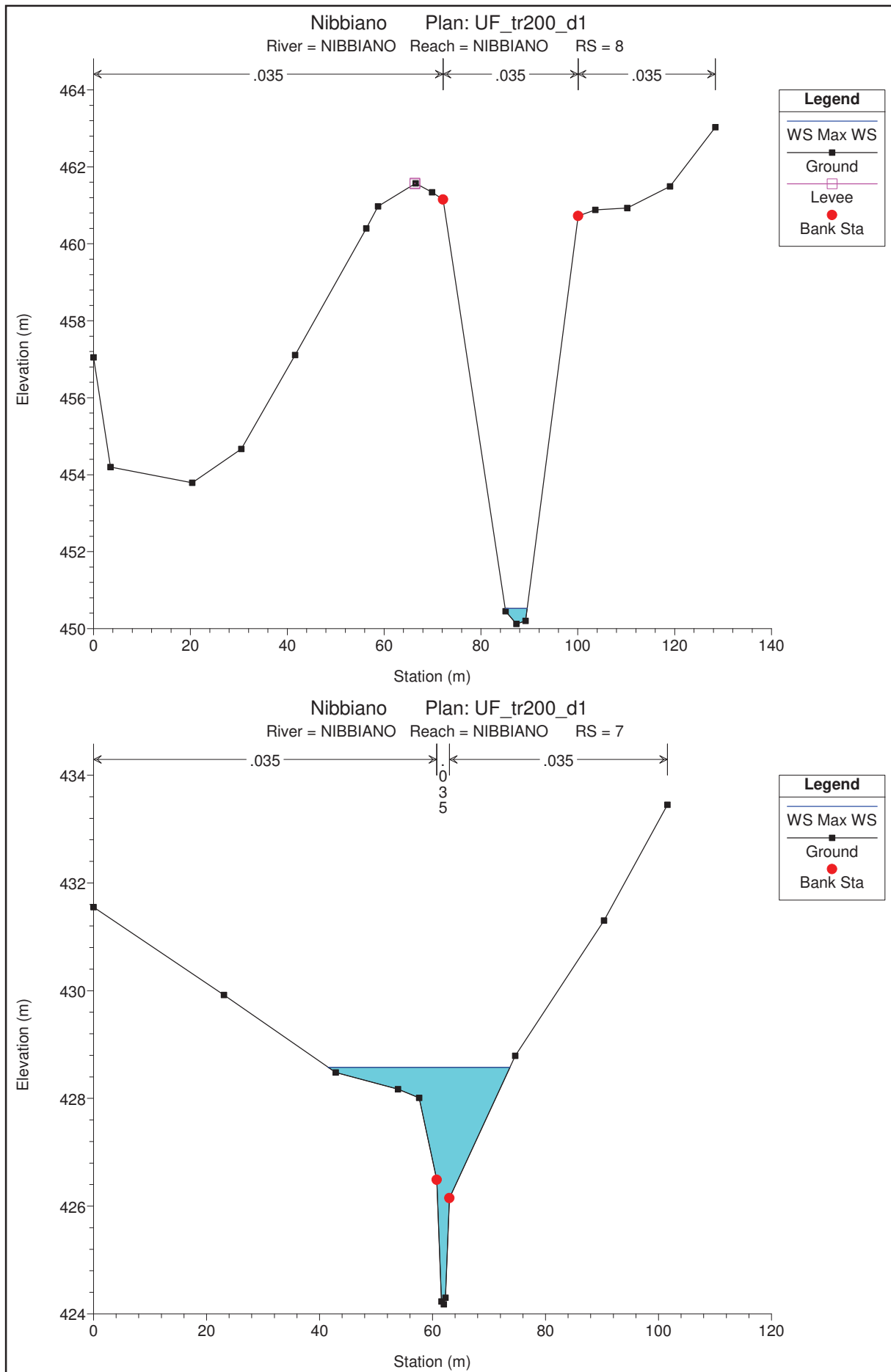
MODELLAZIONE HEC-RAS 5.0.3 "Nibbiano"

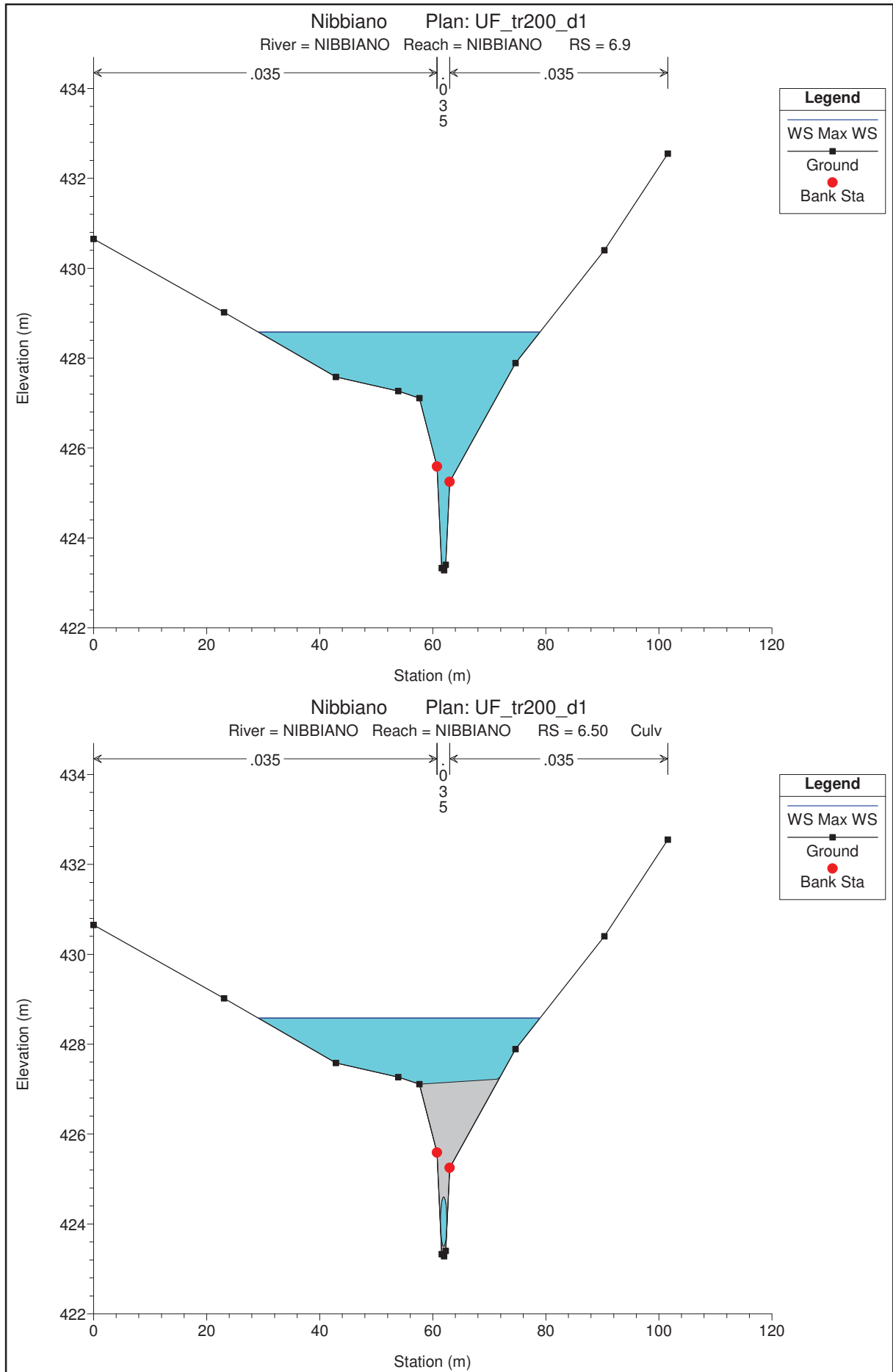
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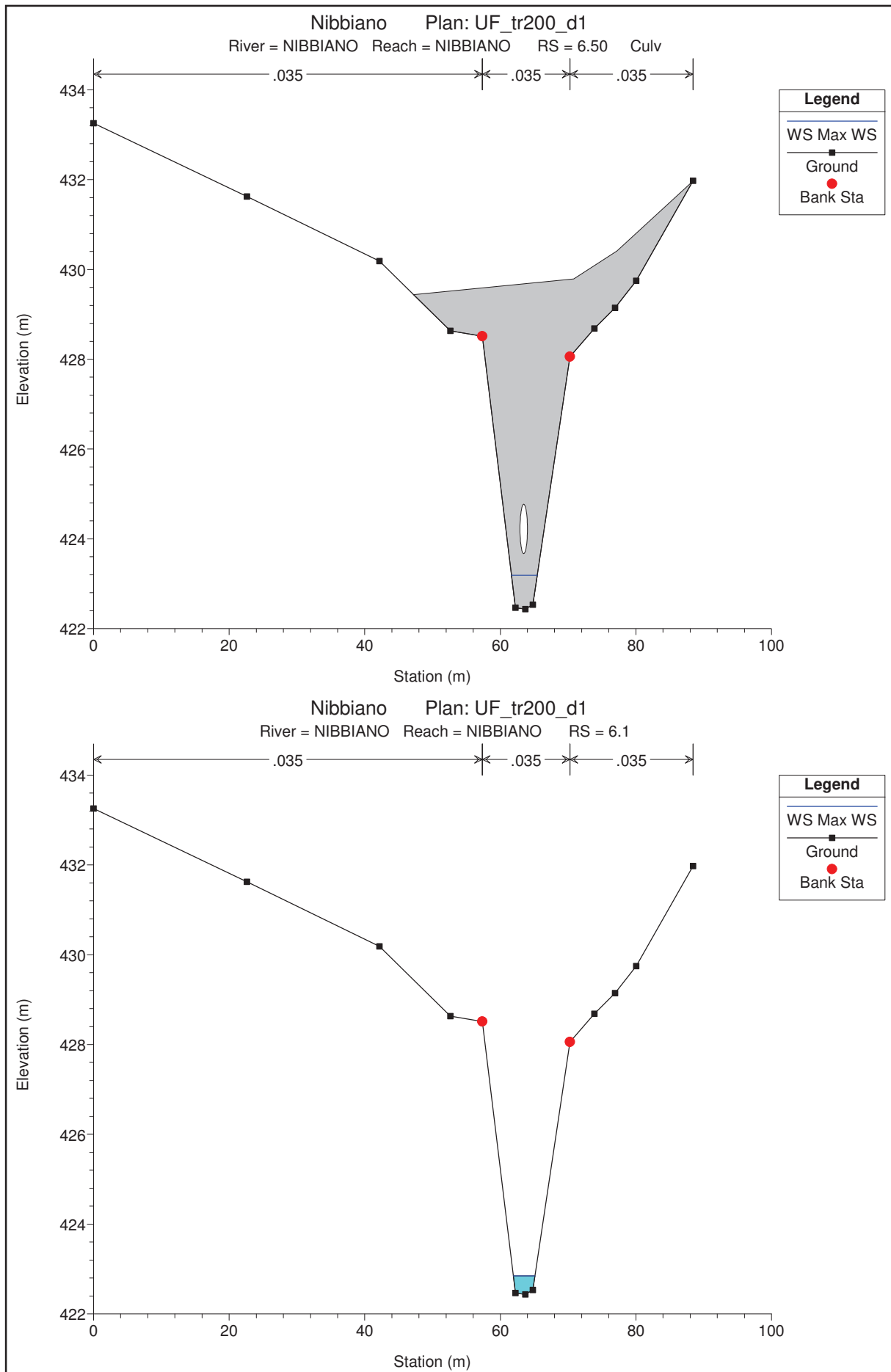
MODELLAZIONE PER TR=200 anni

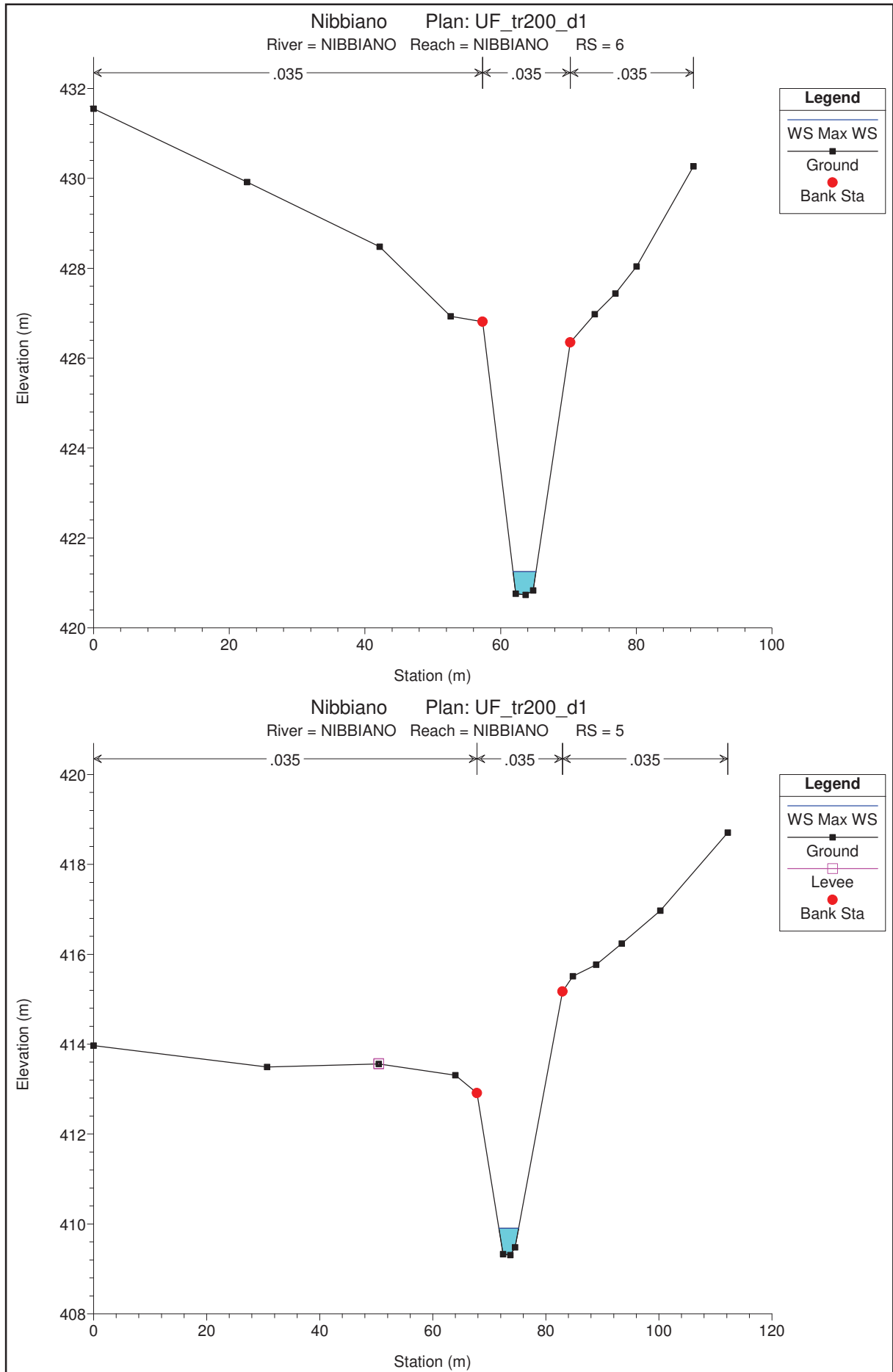
DURATE DI PIOGGIA: 1h

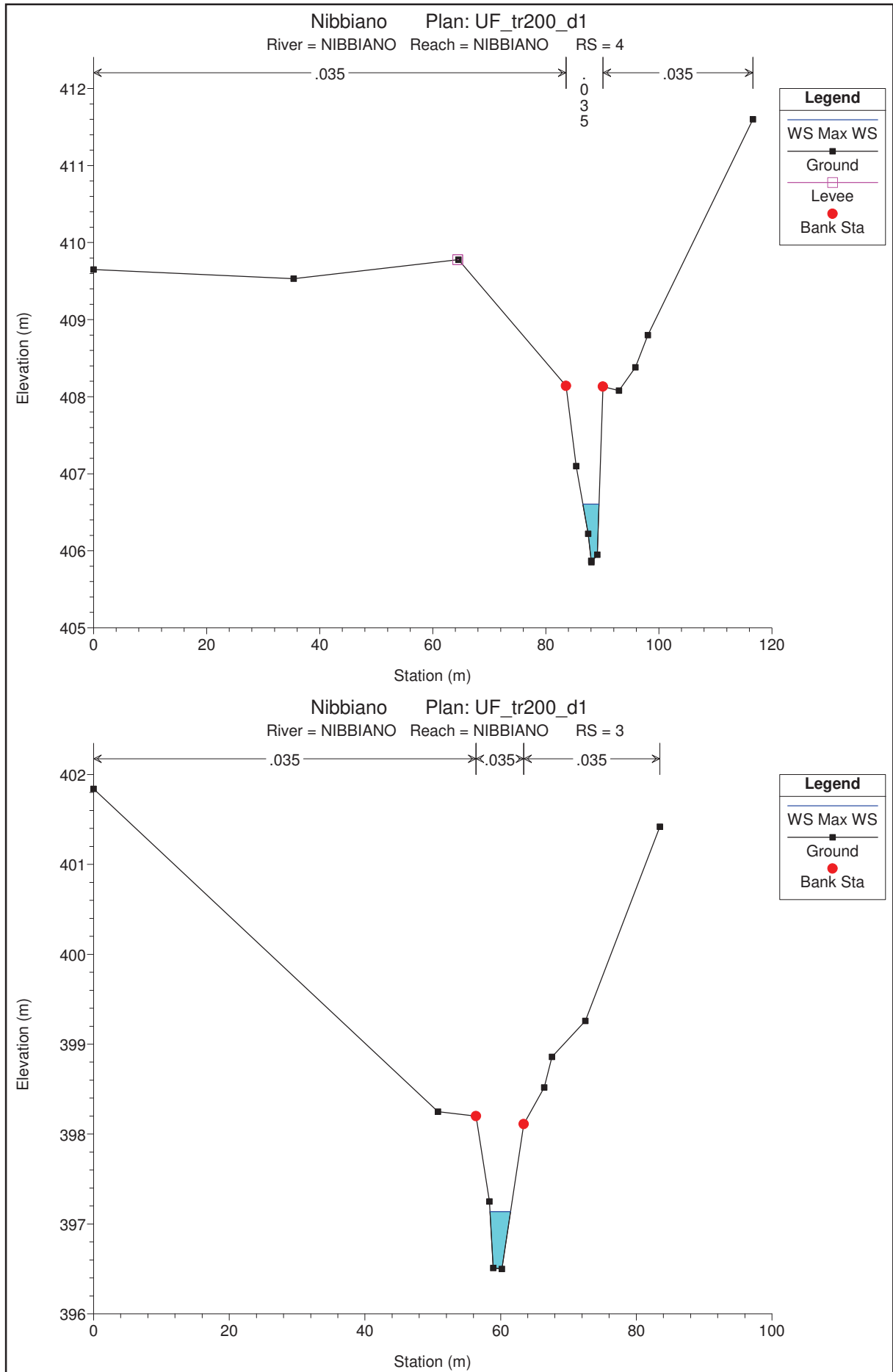
Sezioni Trasversali (da monte verso valle)













ALLEGATI

MODELLAZIONE HEC-RAS 5.0.3 "Nibbiano"

FOSSO DI NIBBIANO

MODELLAZIONE PER TR=30 anni

DURATE DI PIOGGIA: 1h

Dati idraulici

HEC-RAS Plan: uf_tr30_d1 River: NIBBIANO Reach: NIBBIANO Profile: Max WS

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
NIBBIANO	8	Max WS	2.00	450.12	450.51	450.51	450.65	0.019794	1.64	1.22	4.49	1.01
NIBBIANO	7	Max WS	3.59	424.18	426.06		426.16	0.005589	1.43	2.50	2.07	0.42
NIBBIANO	6.9	Max WS	3.59	423.28	426.12		426.14	0.000539	0.62	6.59	7.17	0.14
NIBBIANO	6.50	Strada Vicinale		Culvert								
NIBBIANO	6.1	Max WS	2.00	422.44	422.85	422.85	423.02	0.019565	1.83	1.09	3.20	1.00
NIBBIANO	6	Max WS	3.59	420.73	421.14	421.31	421.70	0.065666	3.33	1.08	3.19	1.83
NIBBIANO	5	Max WS	3.58	409.31	409.79	409.95	410.29	0.052858	3.14	1.14	3.18	1.68
NIBBIANO	4	Max WS	3.58	405.85	406.45	406.69	407.19	0.079571	3.81	0.94	2.41	1.95
NIBBIANO	3	Max WS	3.58	396.50	397.00	397.22	397.71	0.077998	3.74	0.96	2.63	1.98



ALLEGATI

MODELLAZIONE HEC-RAS 5.0.3 "Nibbiano"

FOSSO DI NIBBIANO

MODELLAZIONE PER TR=200 anni

DURATE DI PIOGGIA: 1h

Dati idraulici

HEC-RAS Plan: uf_tr200_d1 River: NIBBIANO Reach: NIBBIANO Profile: Max WS

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
NIBBIANO	8	Max WS	5.80	450.12	450.52	450.80	451.59	0.146214	4.57	1.27	4.52	2.75
NIBBIANO	7	Max WS	5.60	424.18	428.58		428.58	0.000040	0.25	29.95	32.19	0.04
NIBBIANO	6.9	Max WS	5.59	423.28	428.58		428.58	0.000006	0.11	66.75	49.79	0.02
NIBBIANO	6.50	Strada Vicinale		Culvert								
NIBBIANO	6.1	Max WS	2.00	422.44	422.85	422.85	423.02	0.019565	1.83	1.09	3.20	1.00
NIBBIANO	6	Max WS	5.59	420.73	421.25	421.48	422.00	0.064990	3.84	1.46	3.40	1.87
NIBBIANO	5	Max WS	5.59	409.31	409.91	410.12	410.58	0.055208	3.64	1.54	3.51	1.75
NIBBIANO	4	Max WS	5.59	405.85	406.60	406.89	407.49	0.074613	4.16	1.35	2.85	1.93
NIBBIANO	3	Max WS	5.59	396.50	397.14	397.42	398.00	0.072126	4.10	1.36	3.03	1.95



ALLEGATI

MODELLAZIONE HEC-RAS 5.0.6 "Salcheto Acquaviva"

DOCCIA DI ACQUAVIVA

MODELLAZIONE PER TR=30 e 200 ANNI

DURATA DI PIOGGIA: 5h

Profilo longitudinale

Sezioni Trasversali

Dati idraulici



ALLEGATI

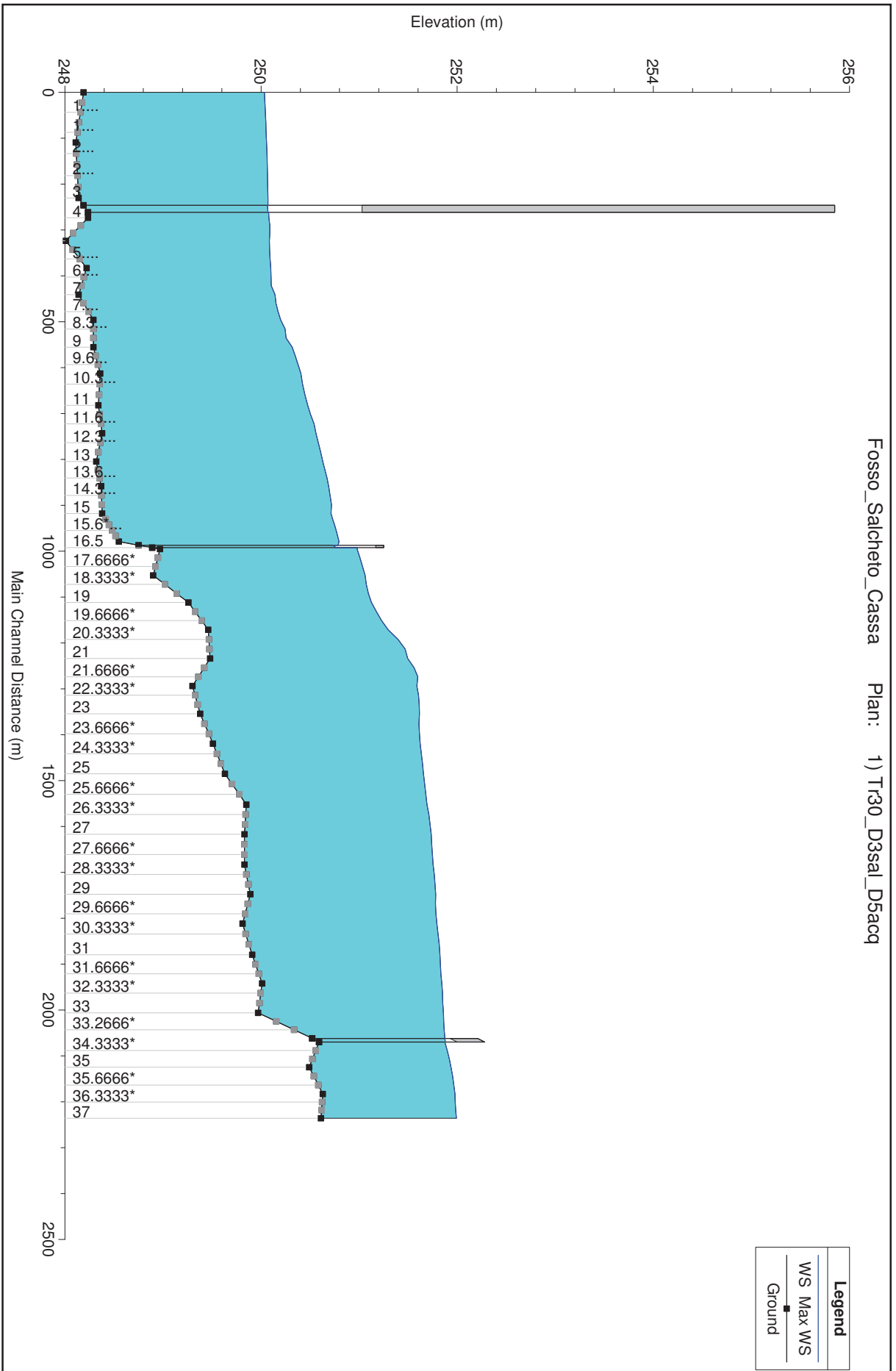
MODELLAZIONE HEC-RAS 5.0.6 "Salcheto Acquaviva"

DOCCIA DI ACQUAVIVA

MODELLAZIONE PER TR=30 anni

DURATE DI PIOGGIA: 5h

Profilo longitudinale





ALLEGATI

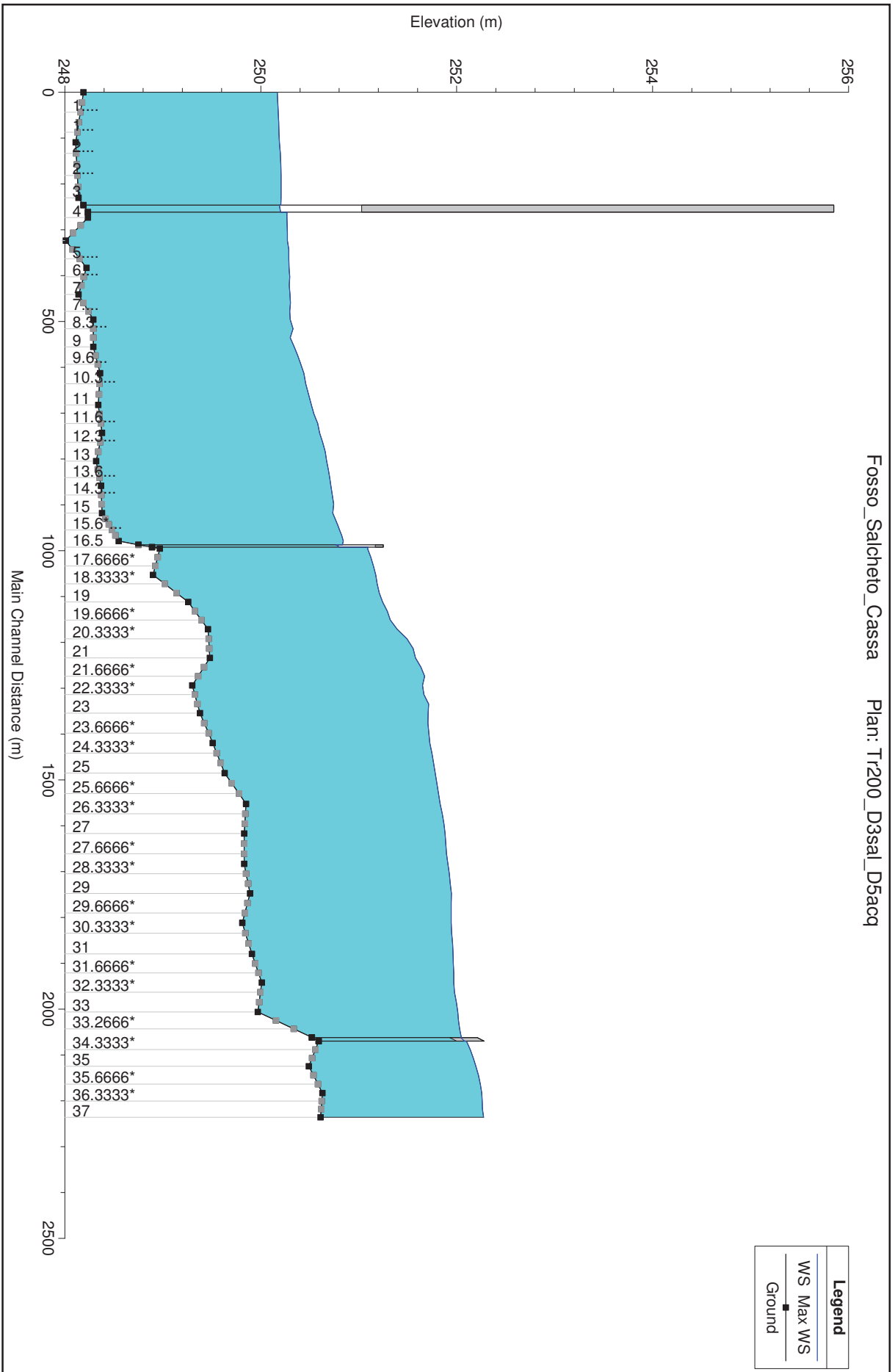
MODELLAZIONE HEC-RAS 5.0.6 "Salcheto Acquaviva"

DOCCIA DI ACQUAVIVA

MODELLAZIONE PER TR=200 anni

DURATE DI PIOGGIA: 5h

Profilo longitudinale





ALLEGATI

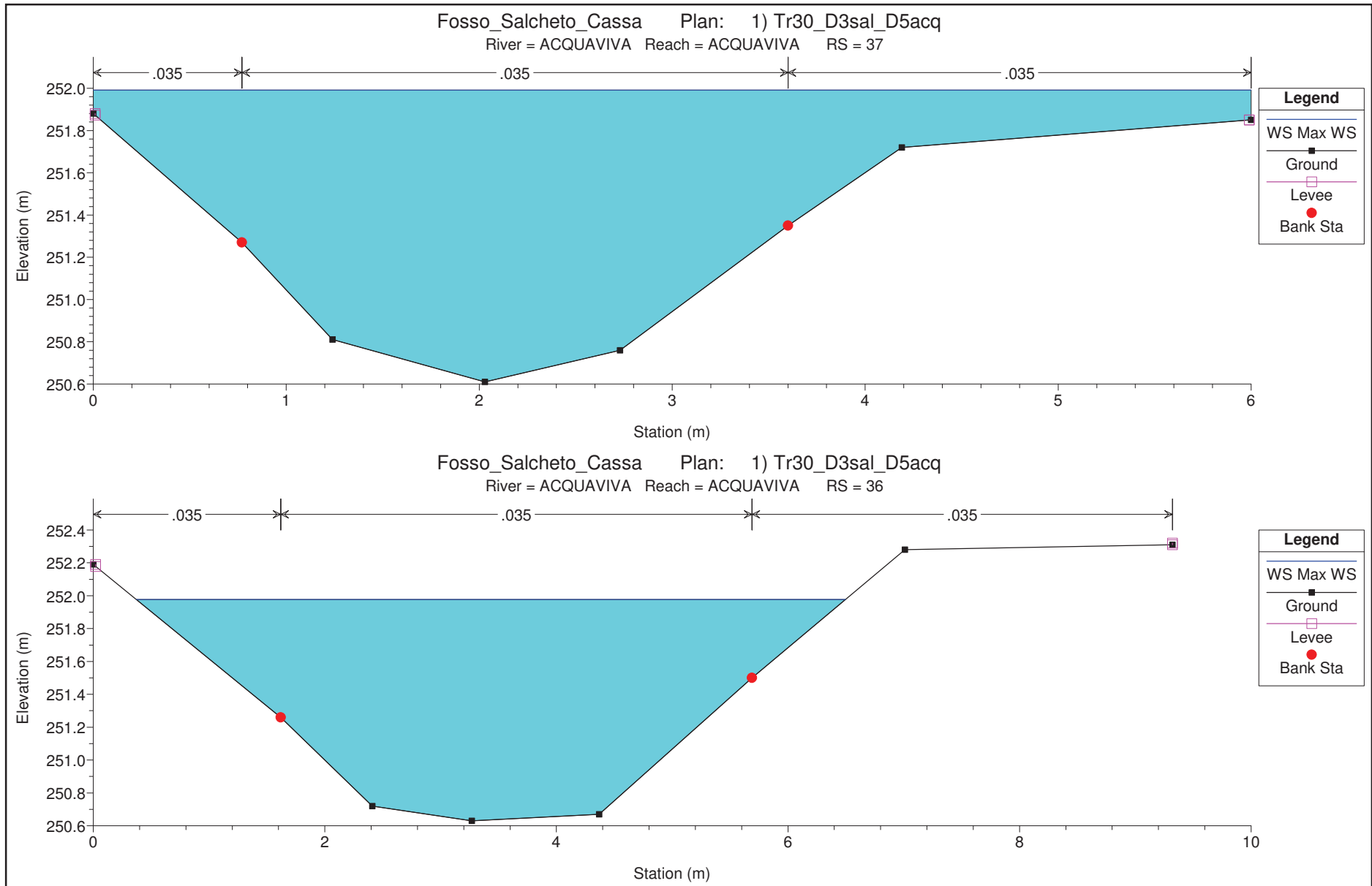
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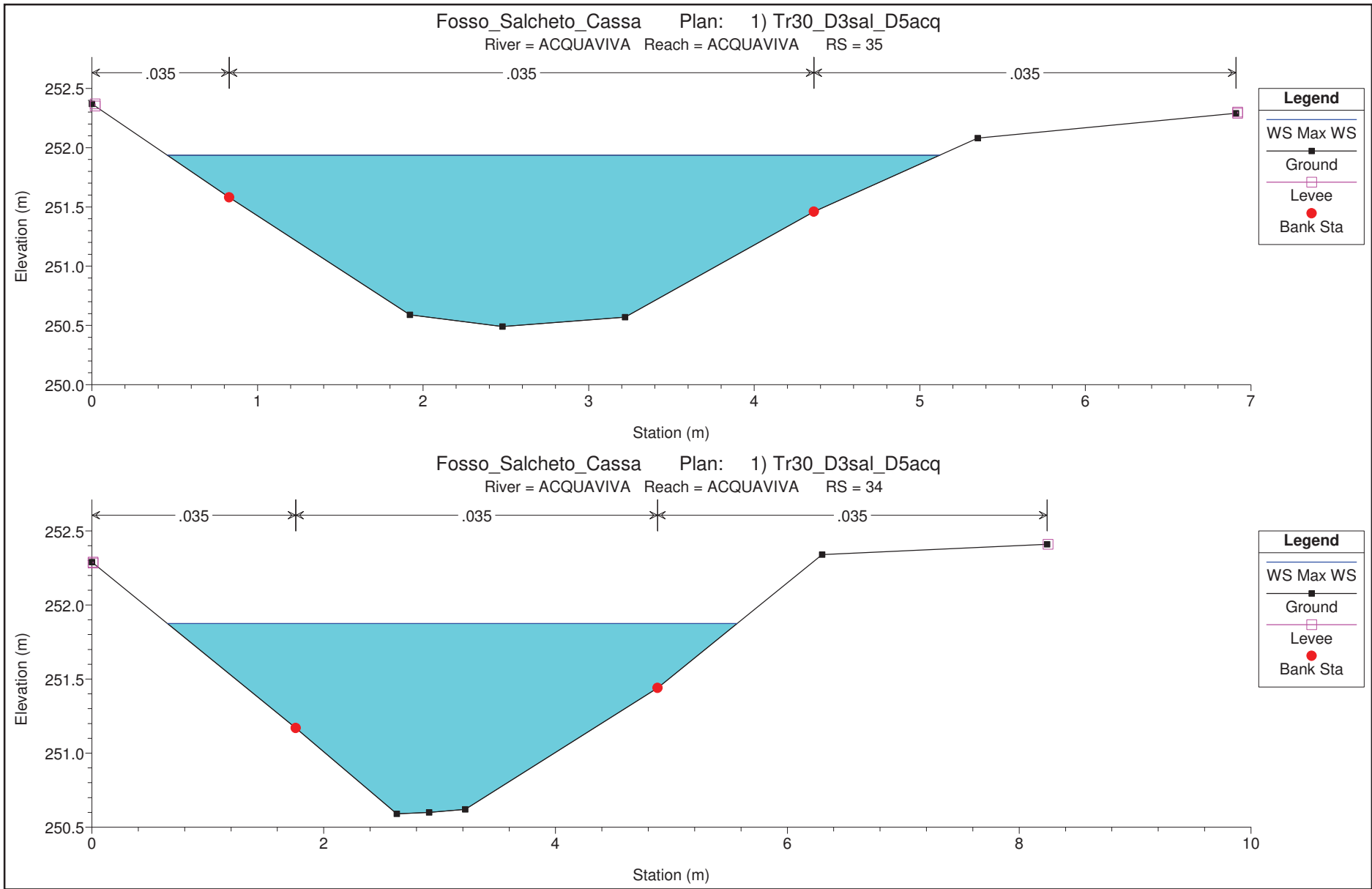
DOCCIA DI ACQUAVIVA

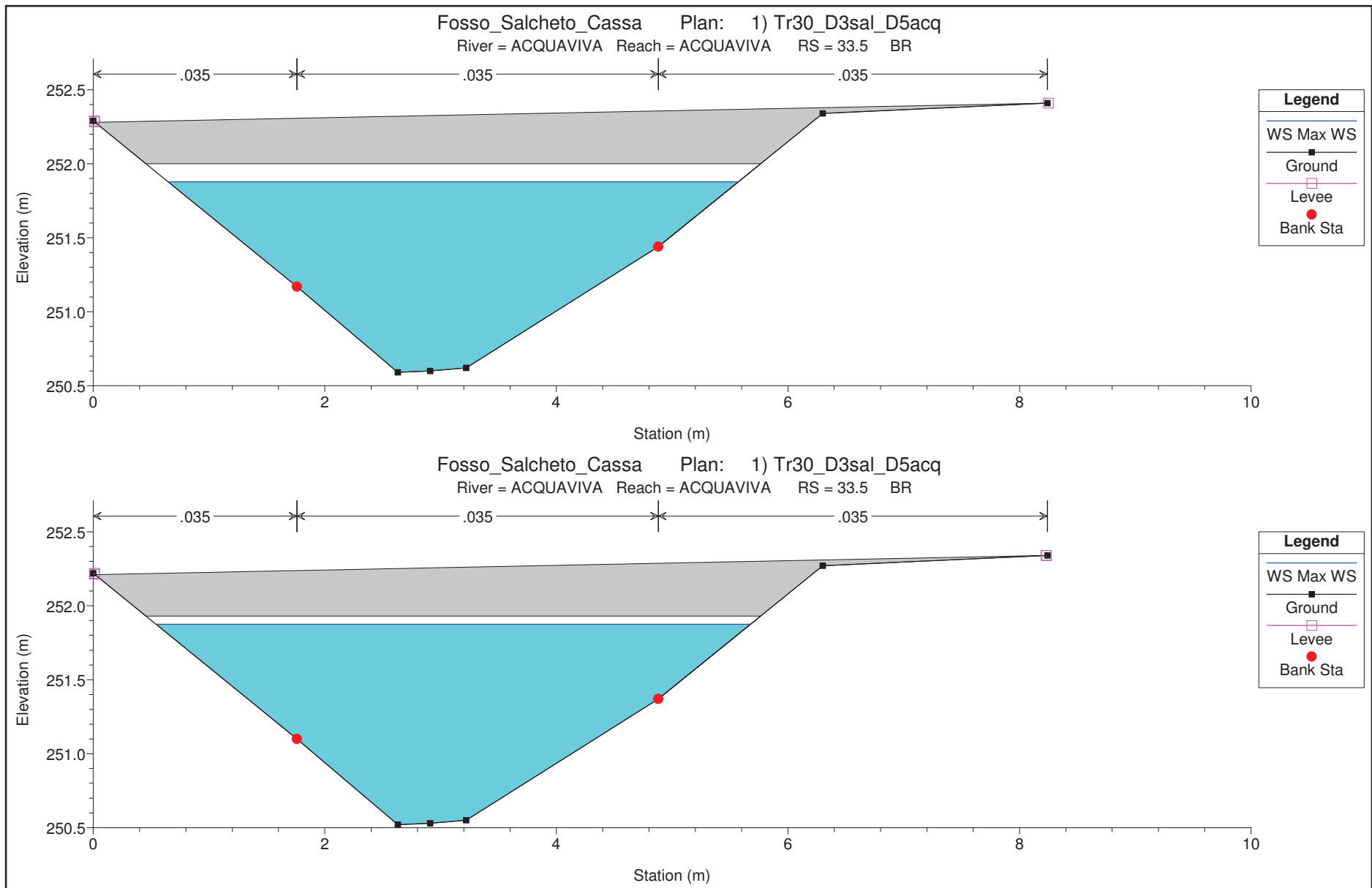
MODELLAZIONE PER TR=30 anni

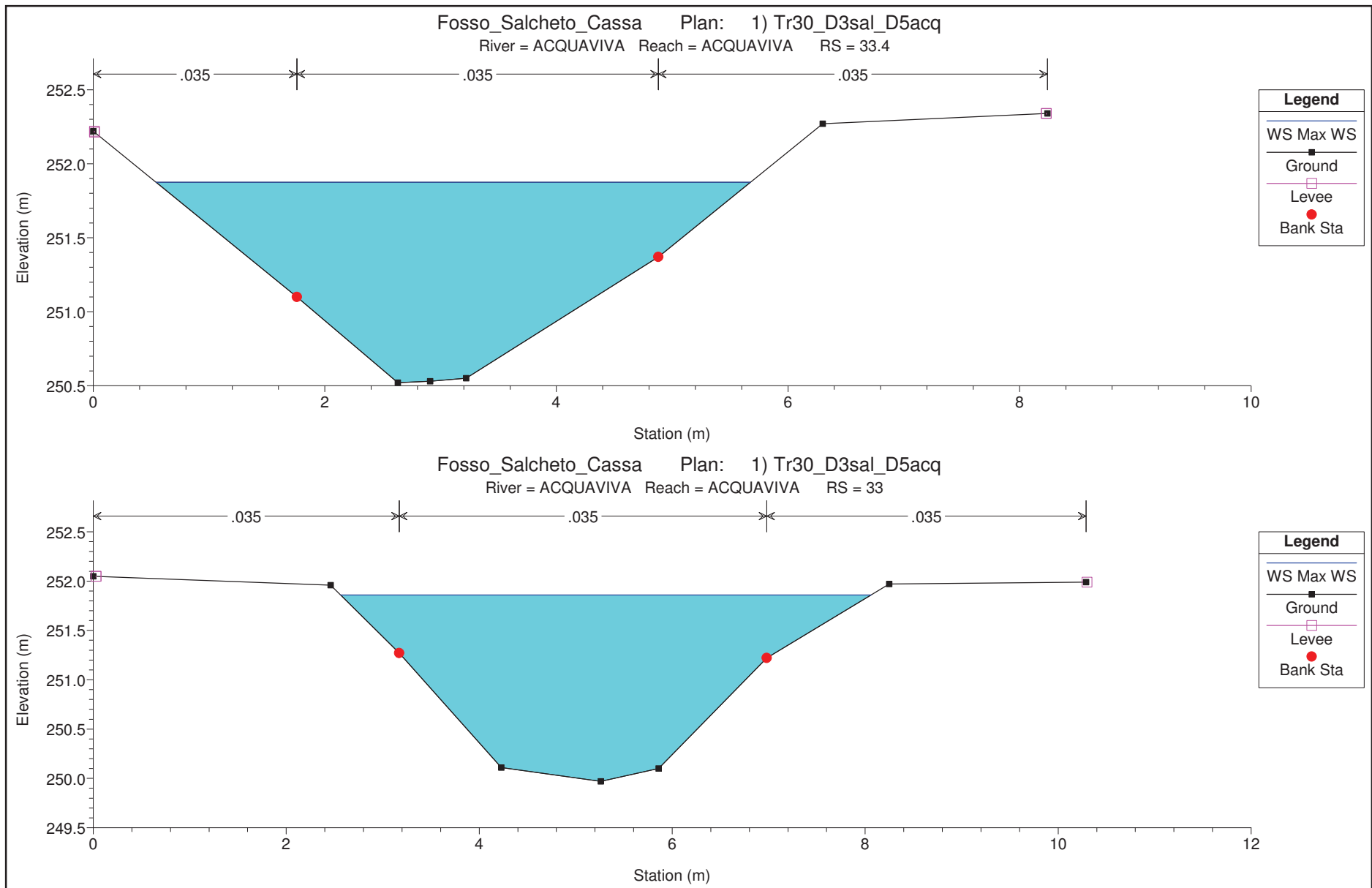
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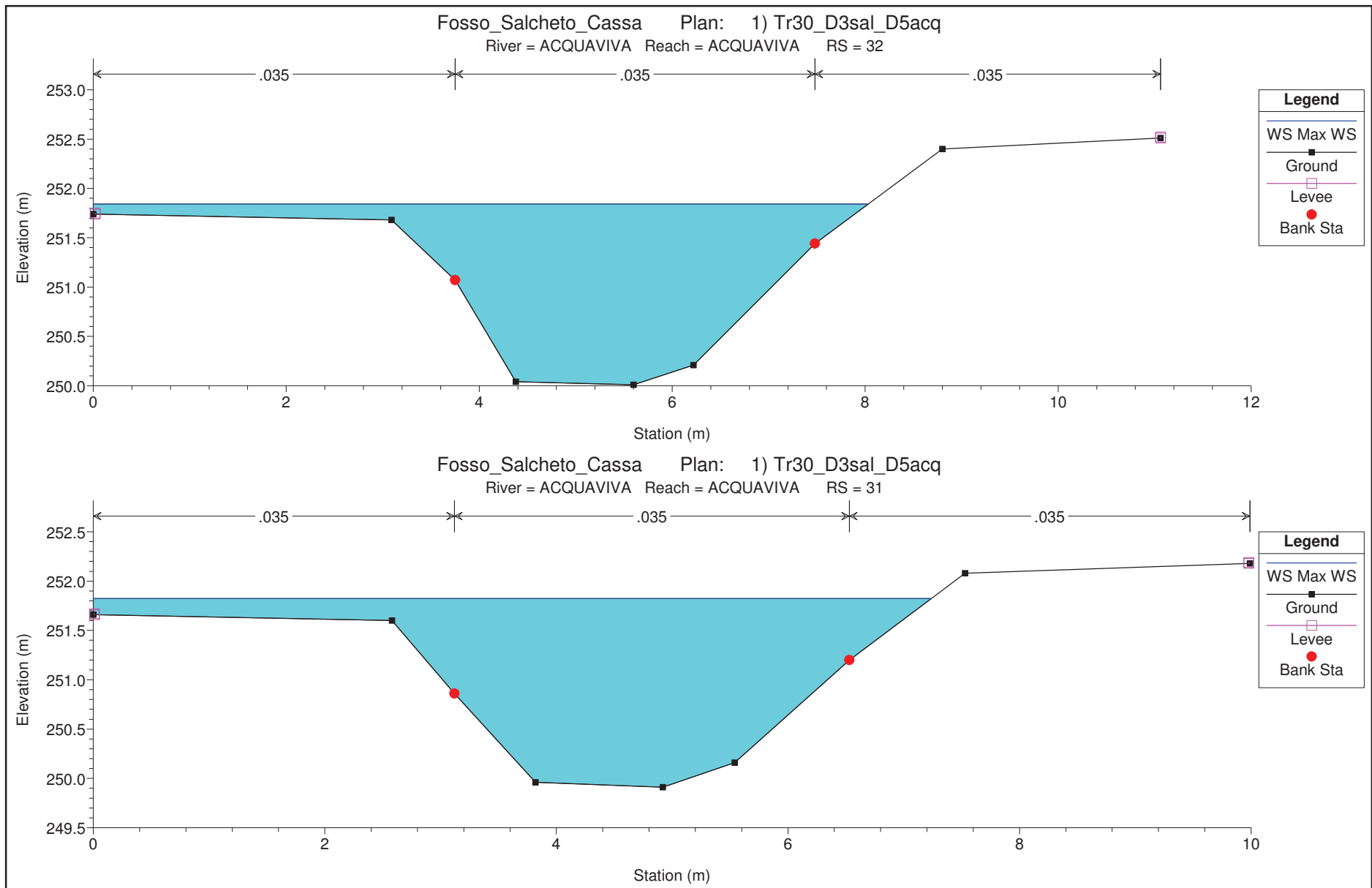
Sezioni Trasversali (da monte verso valle)

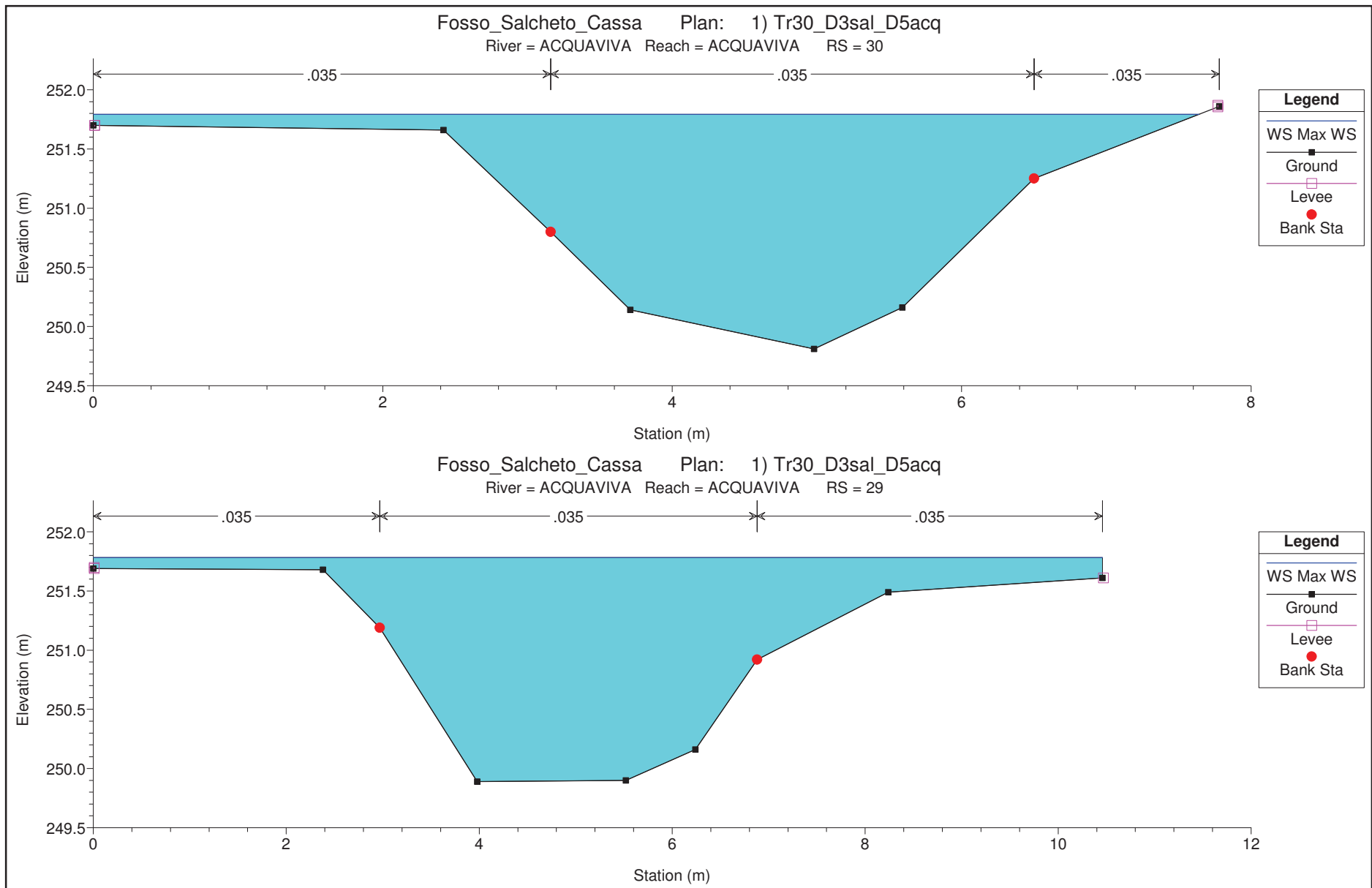


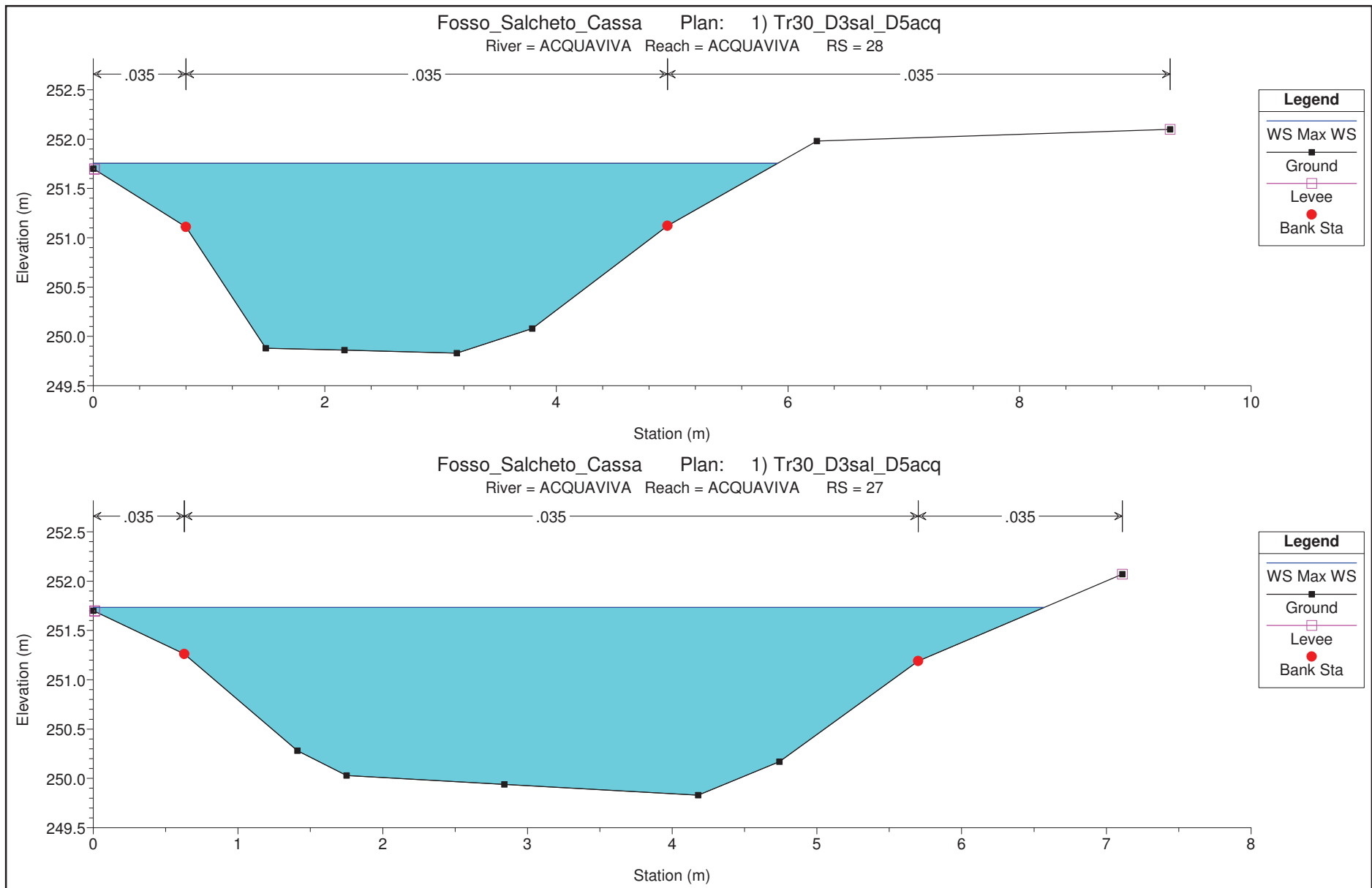


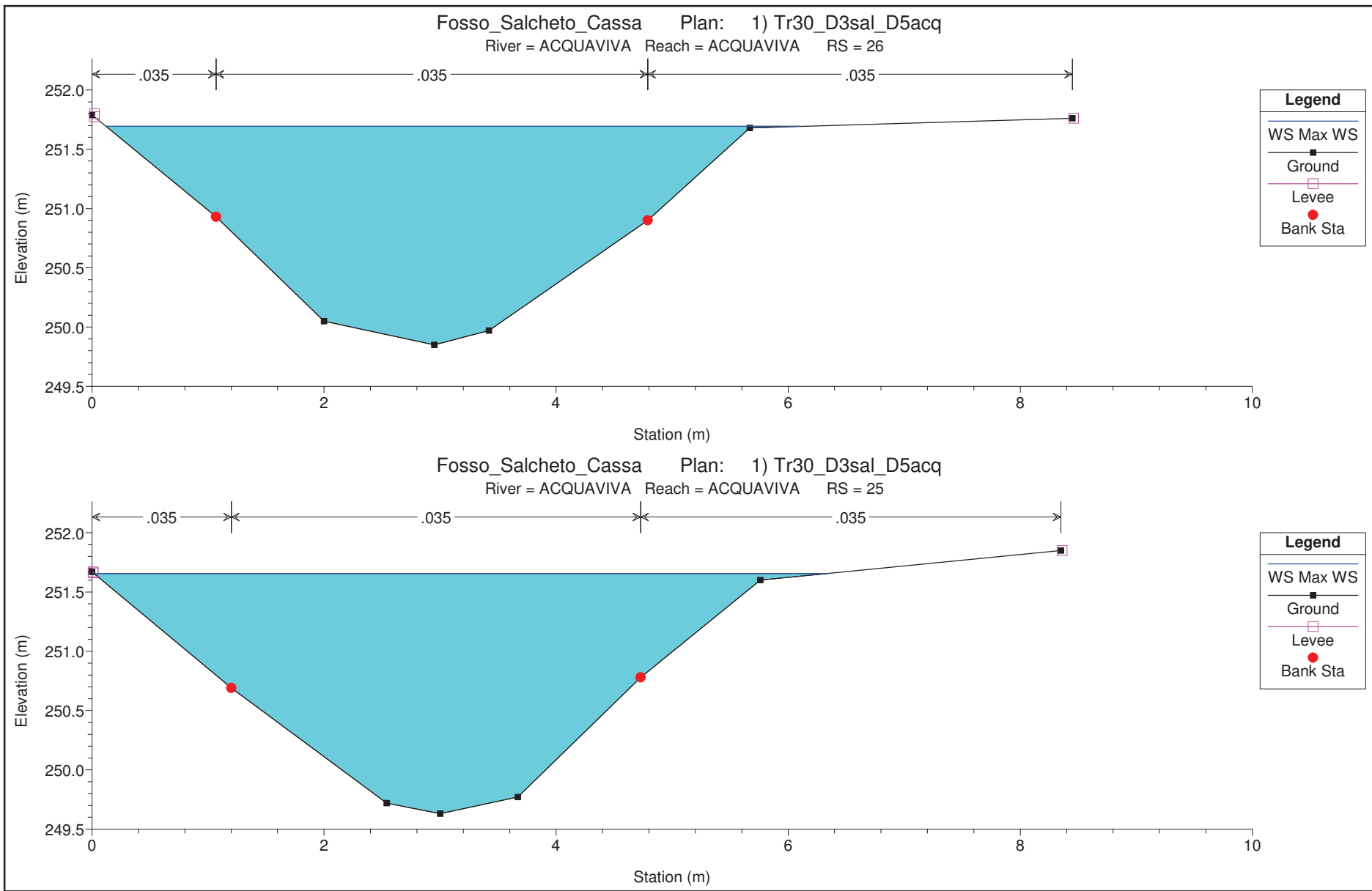


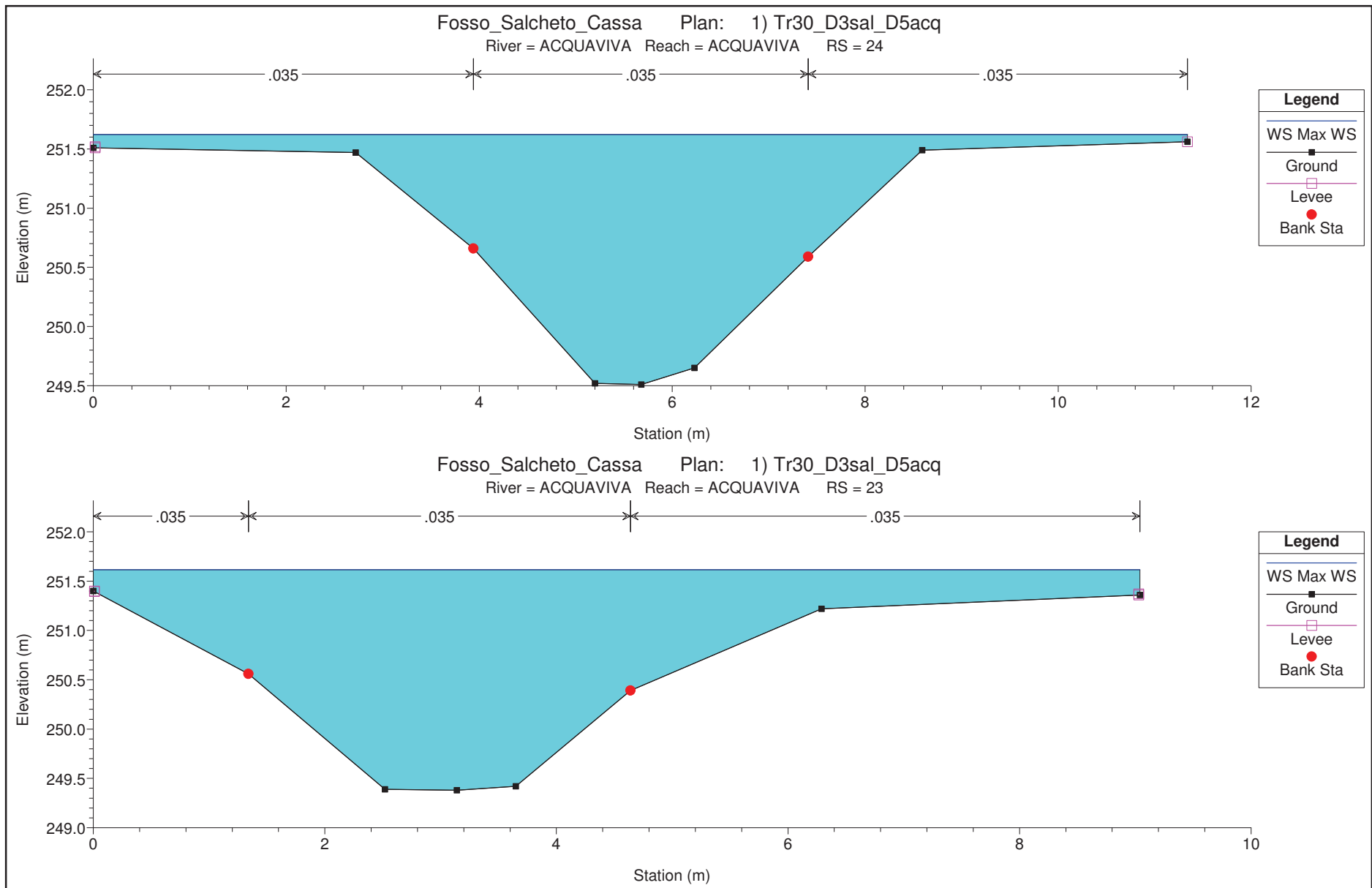


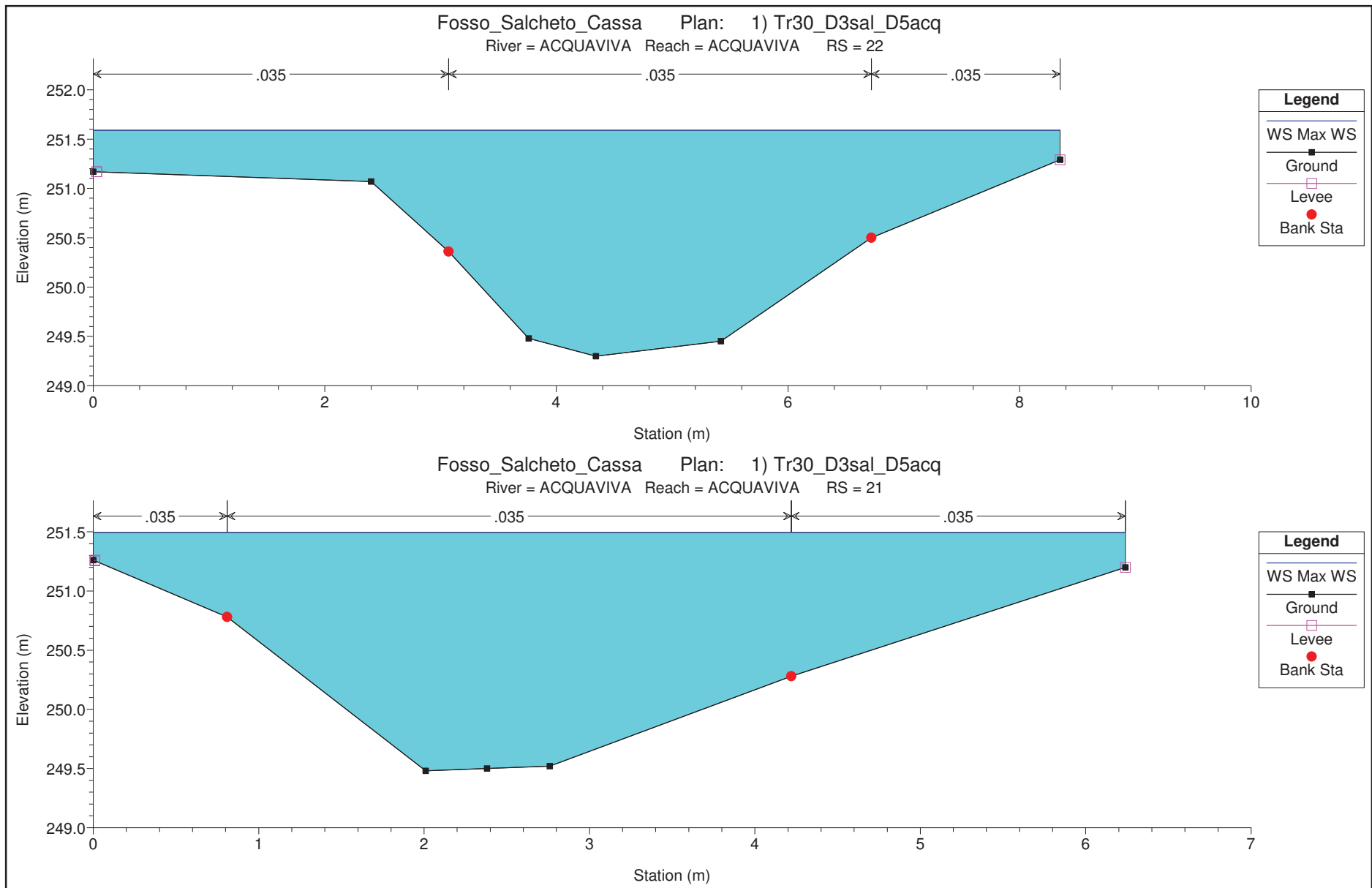


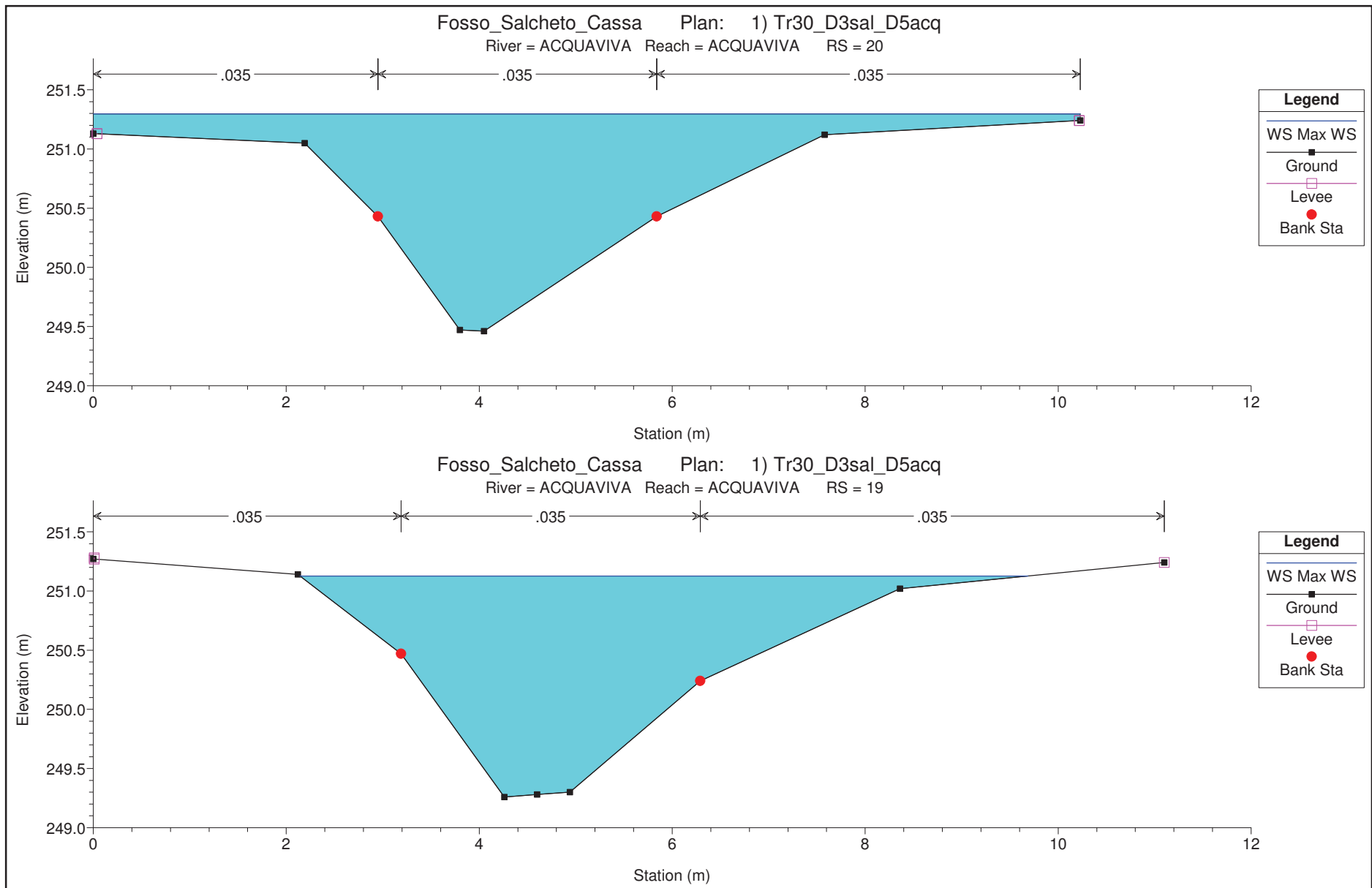


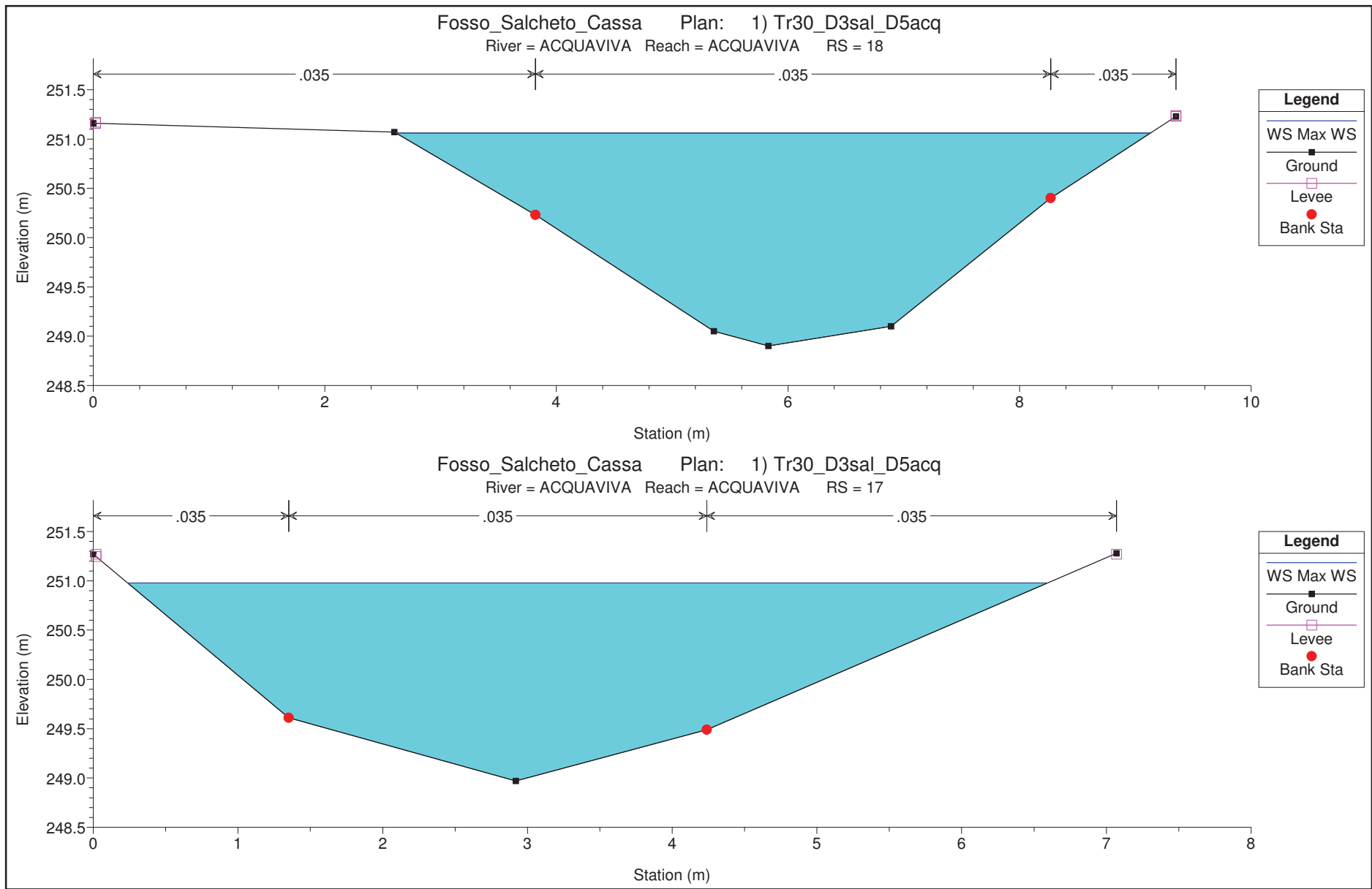


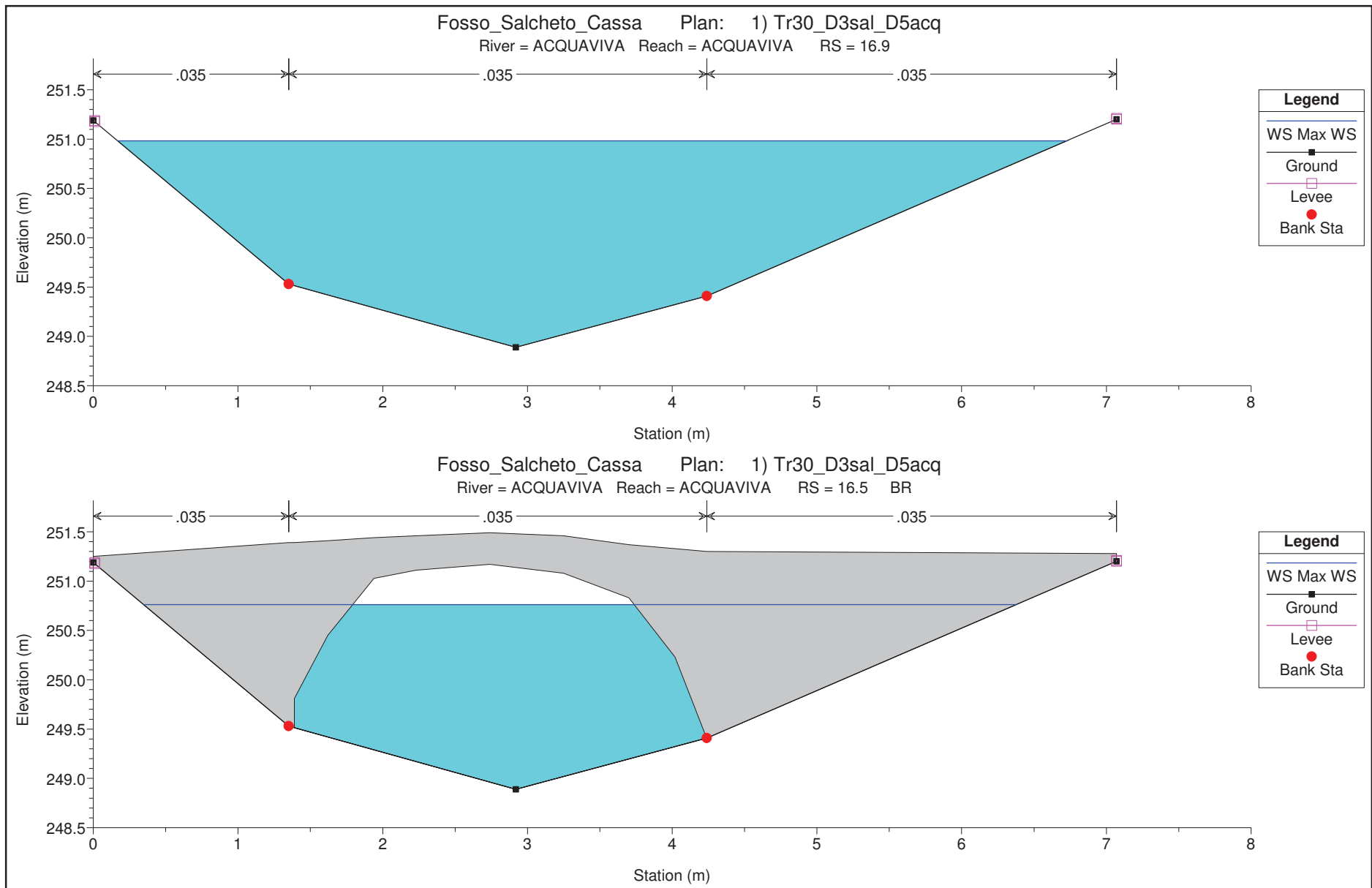


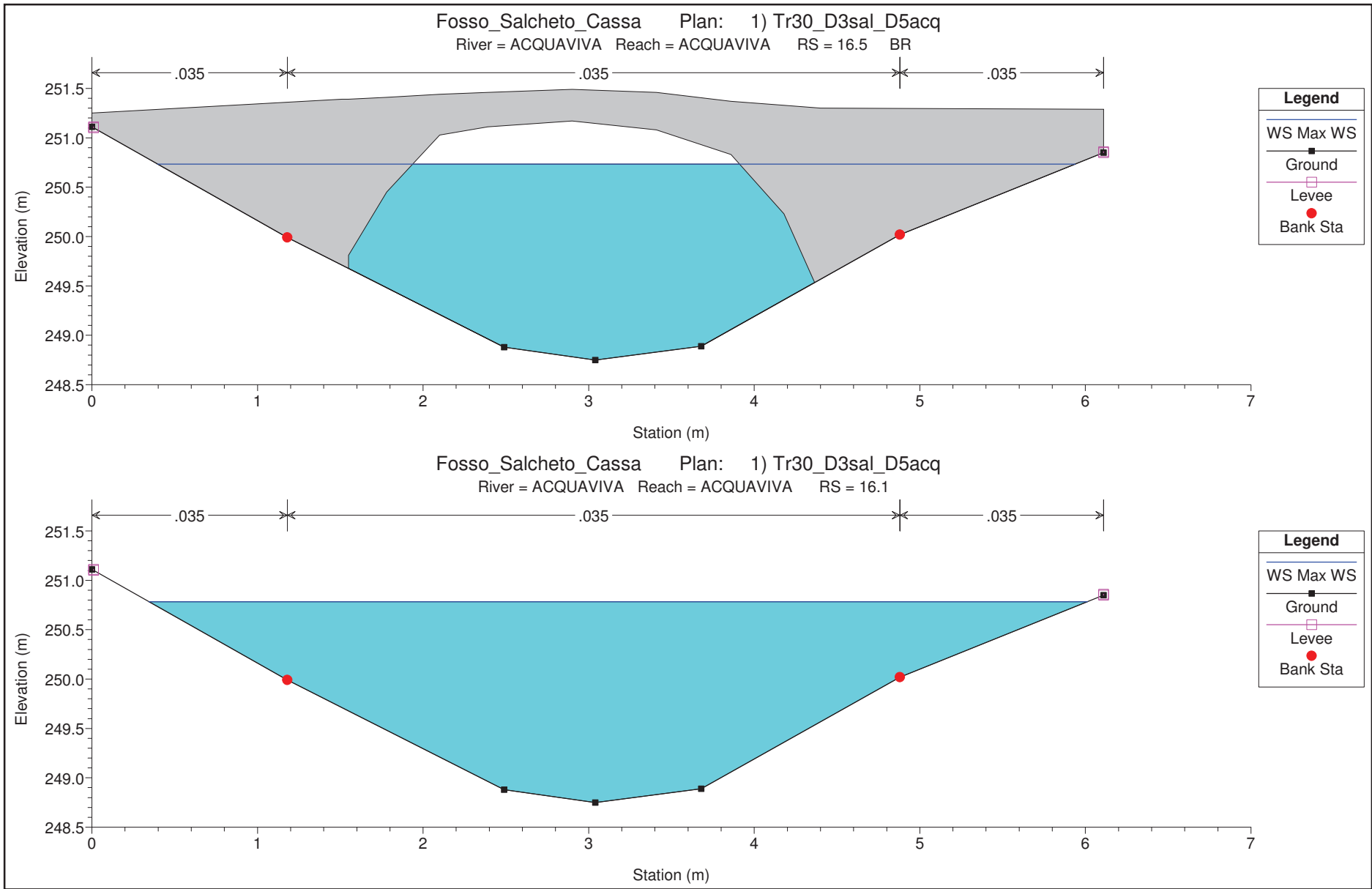


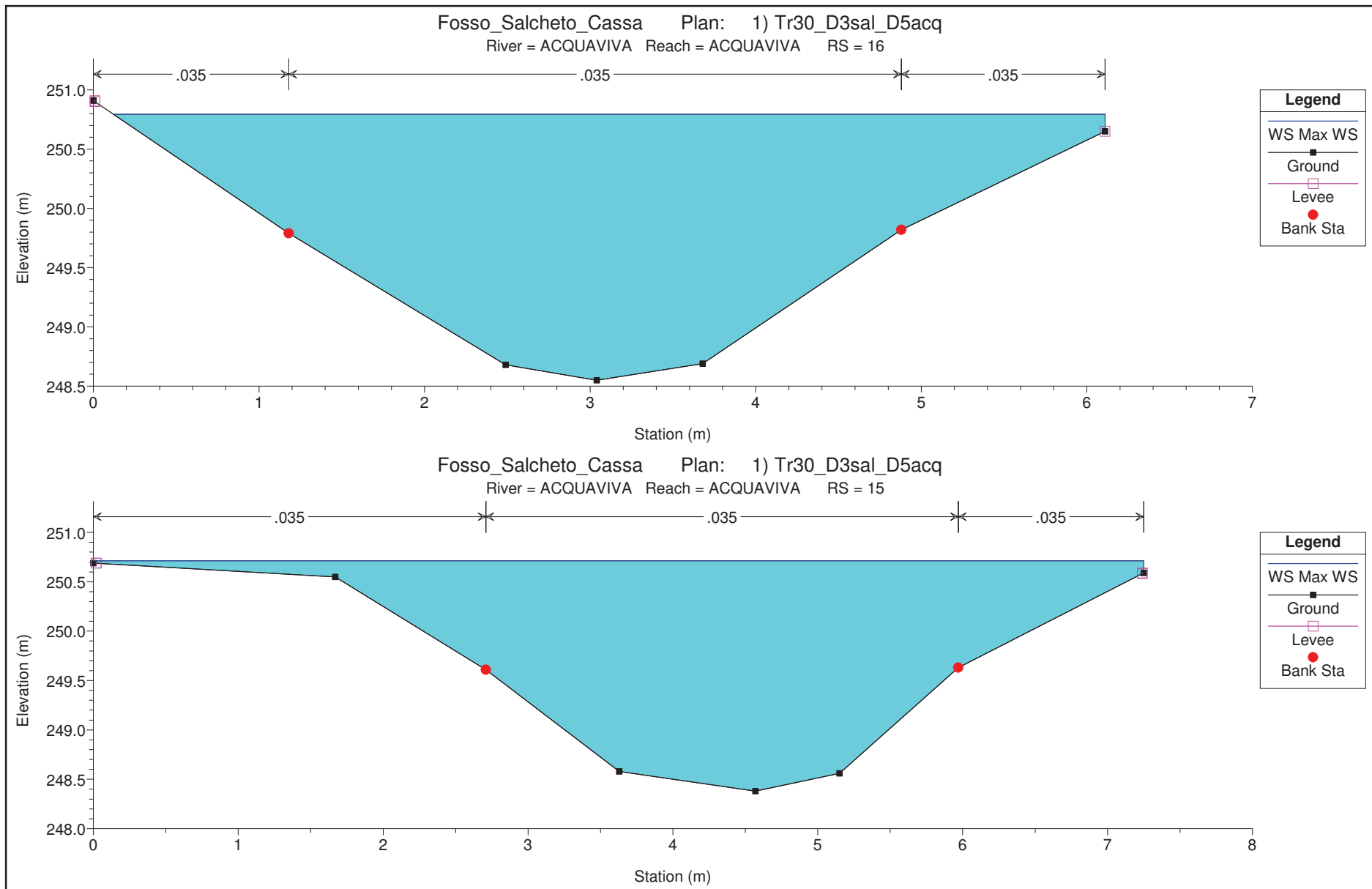


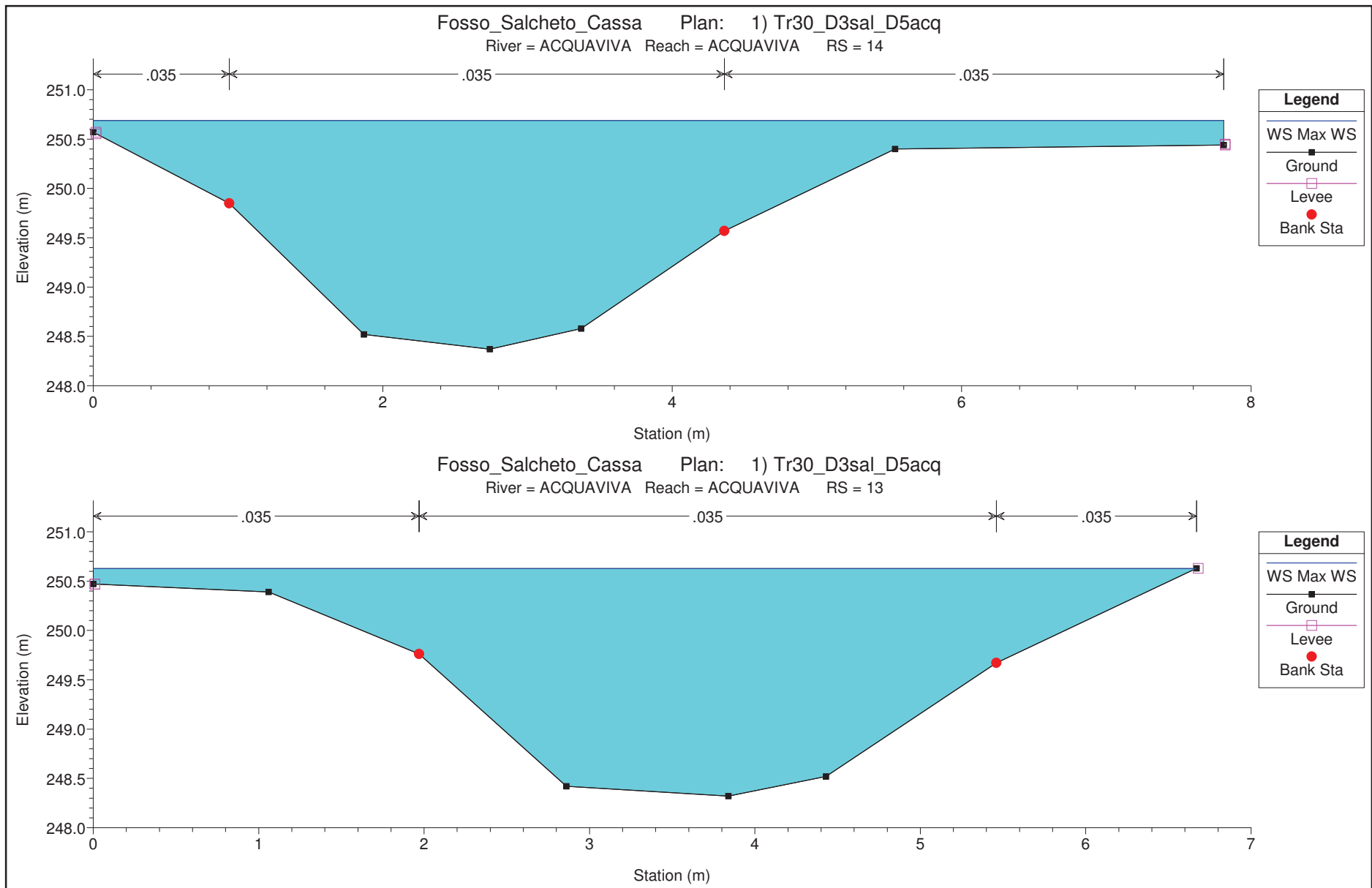


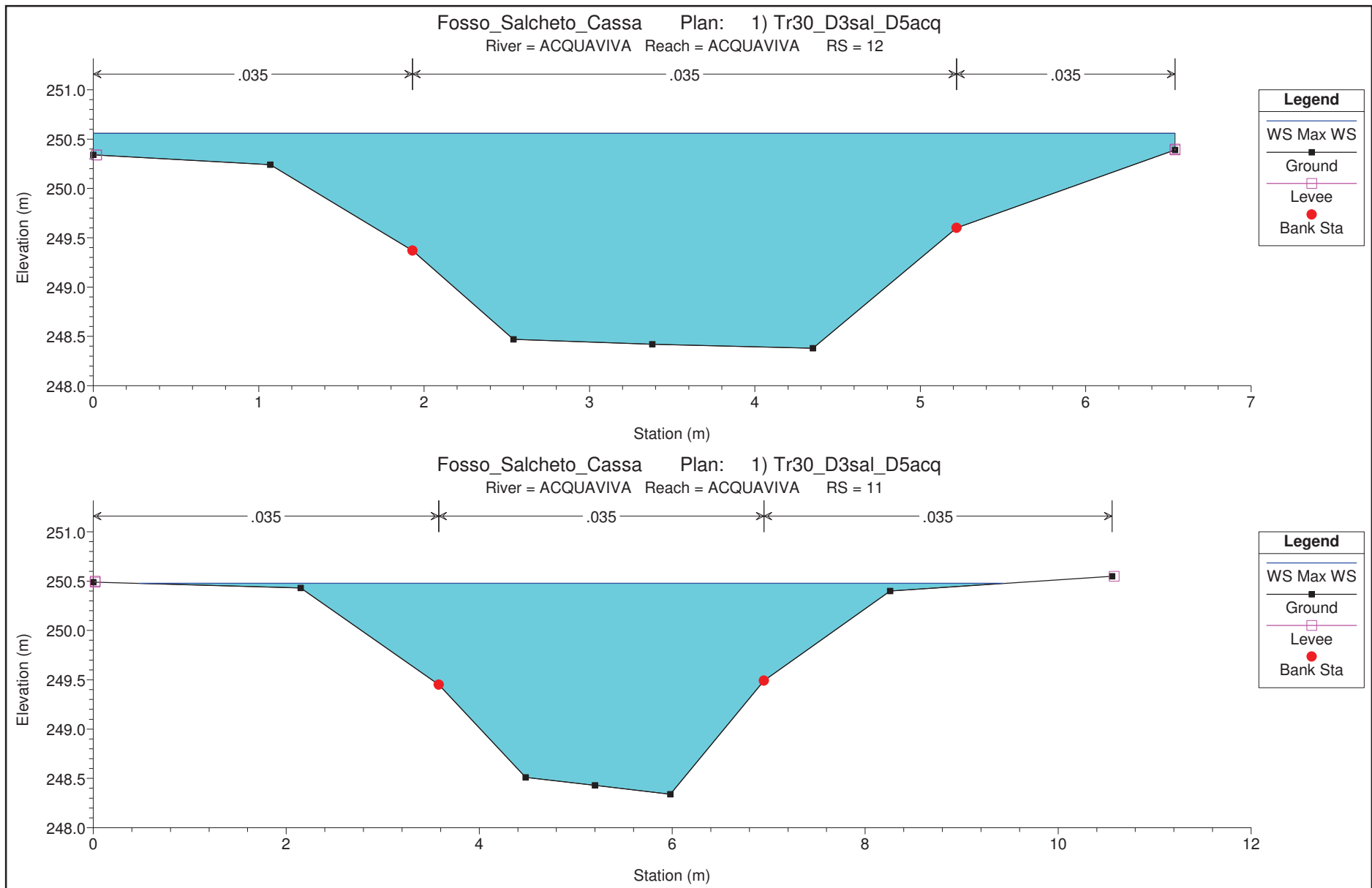


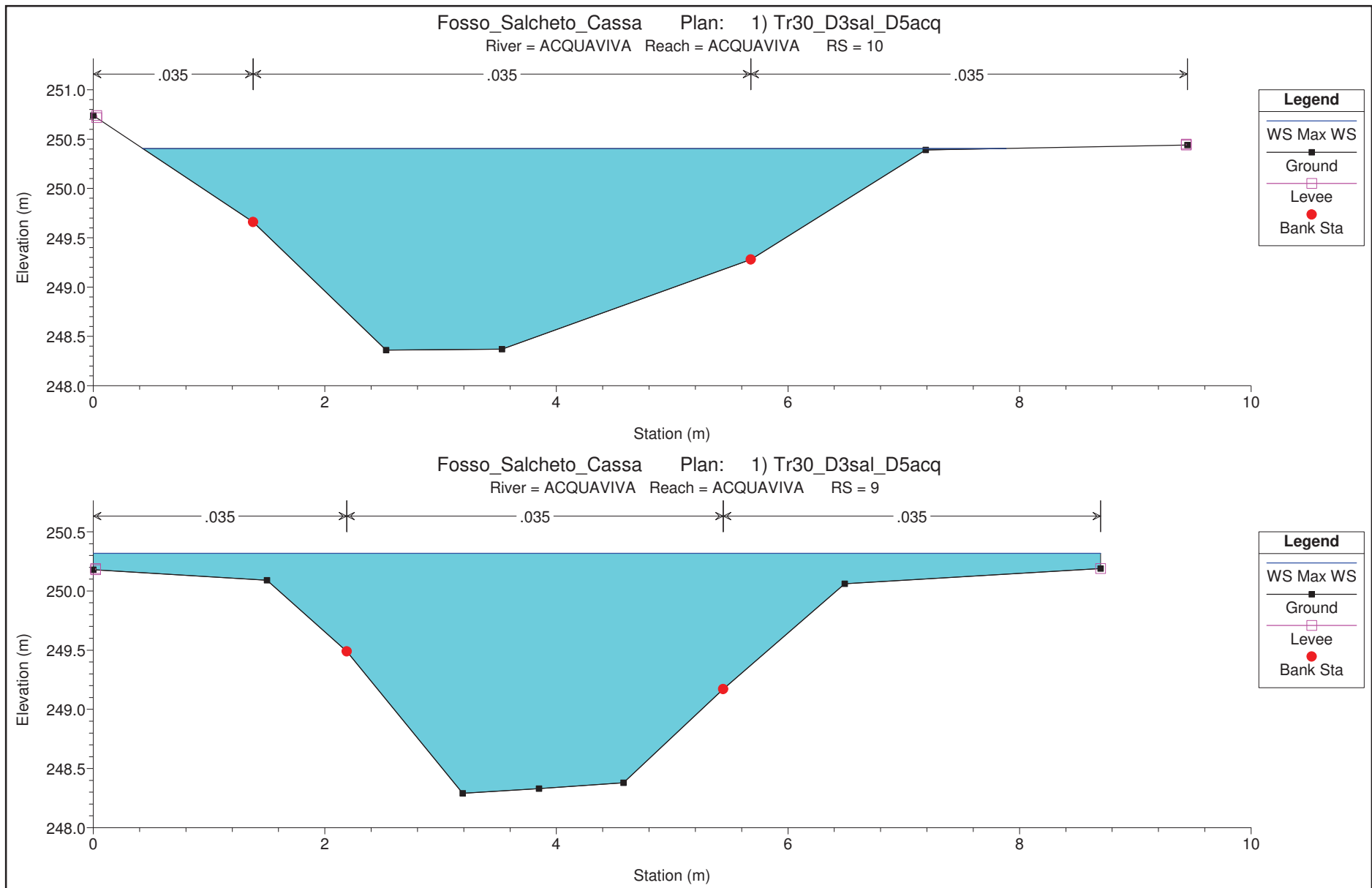


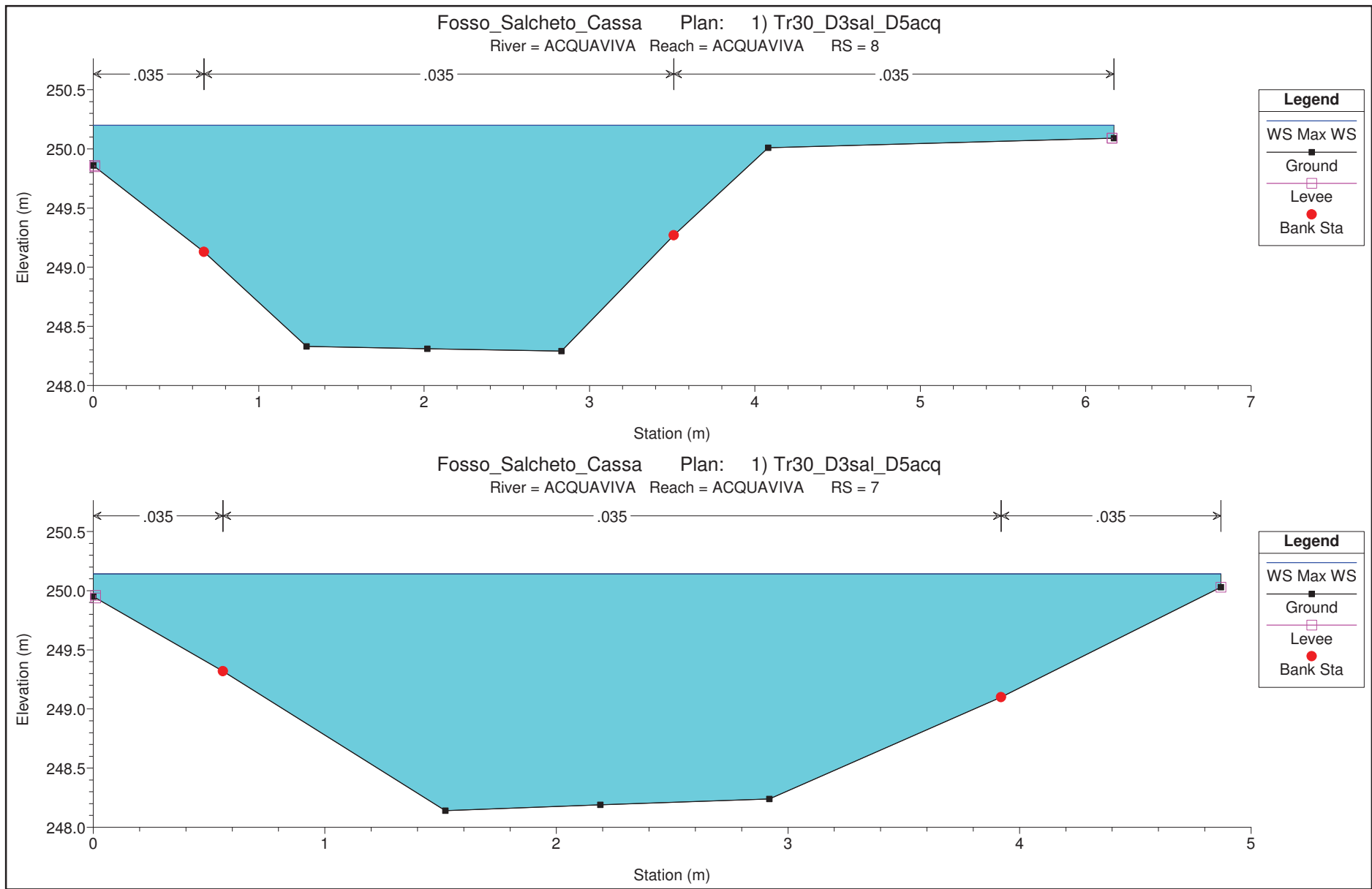


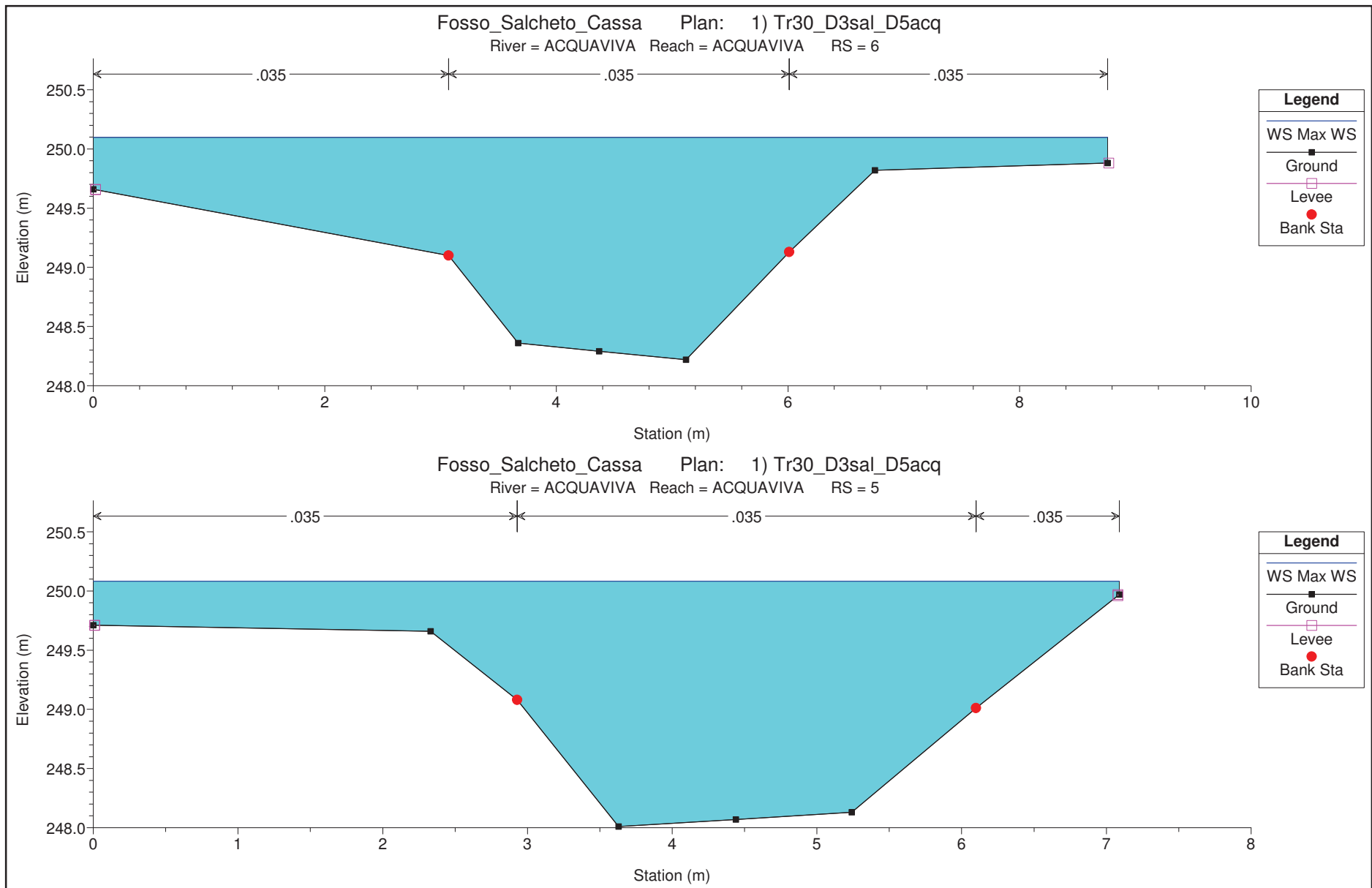


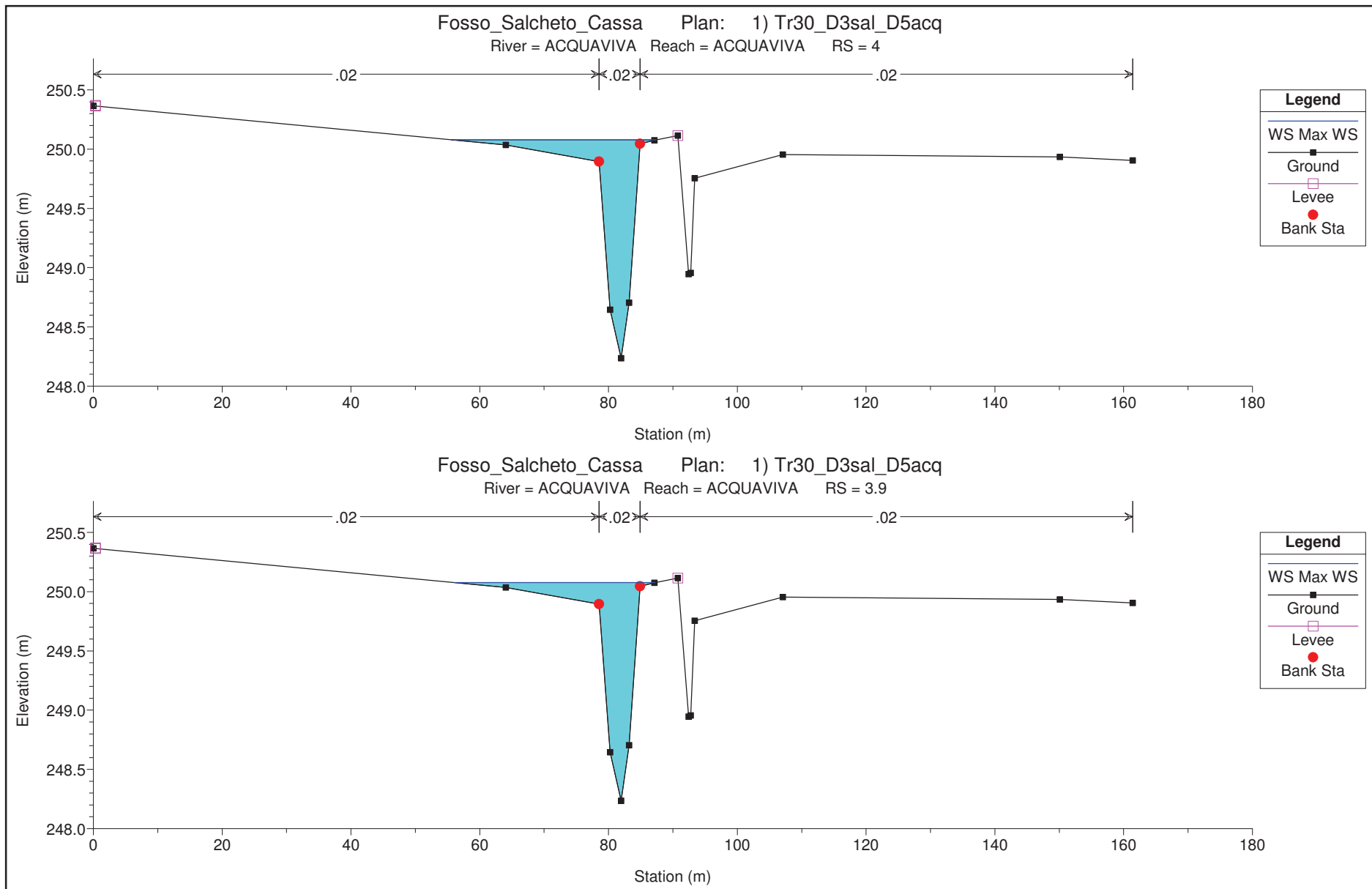


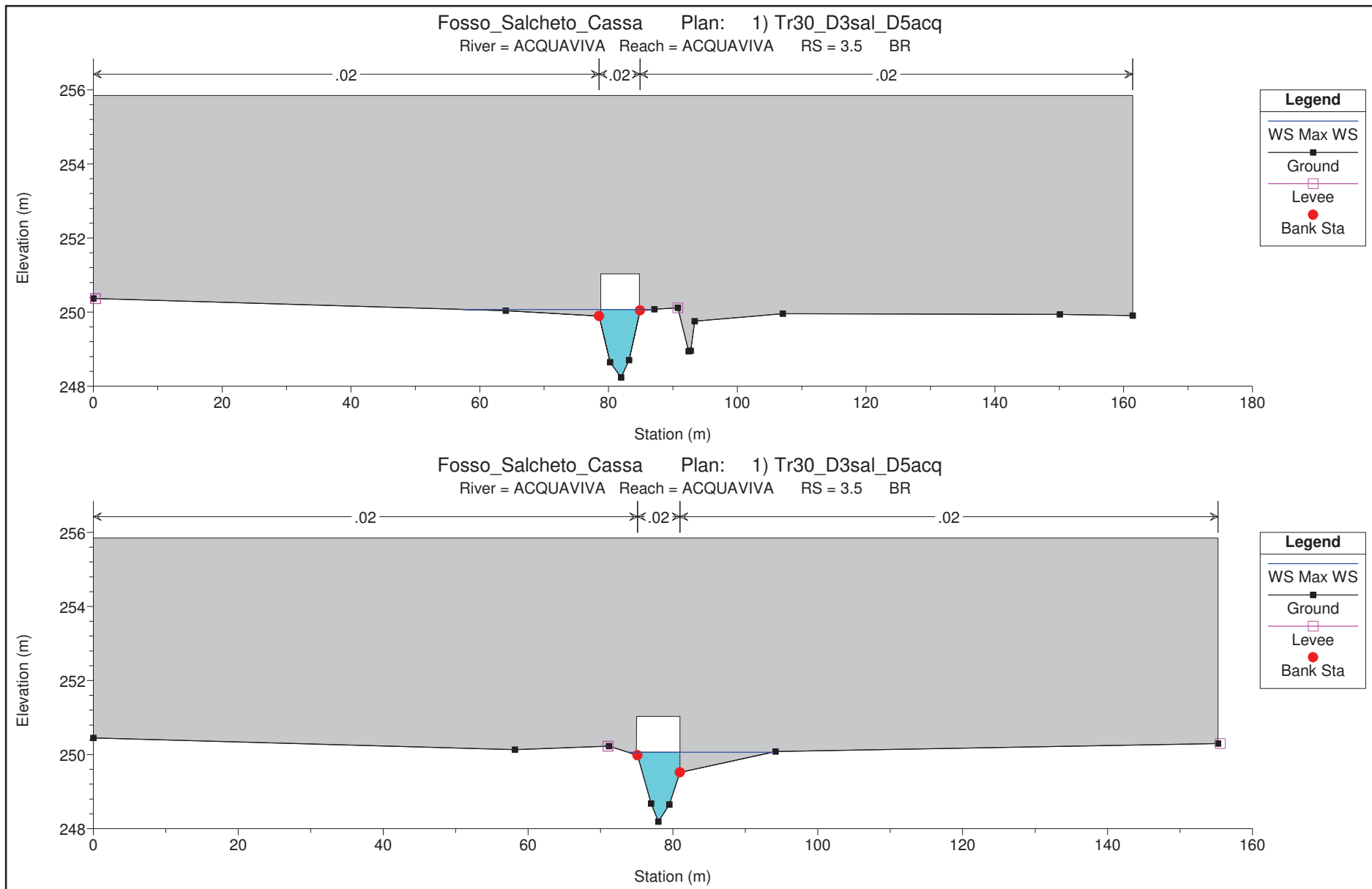


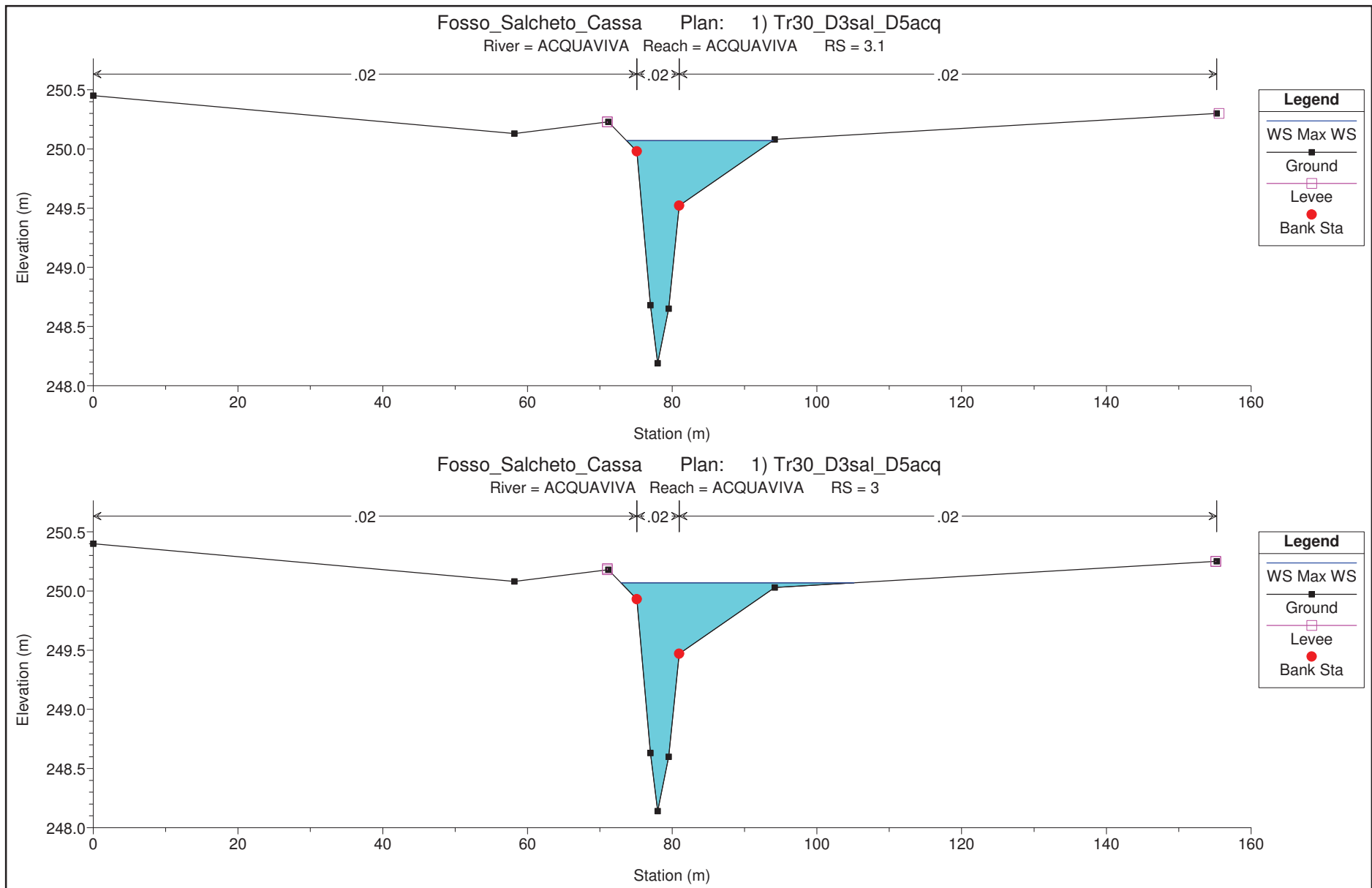


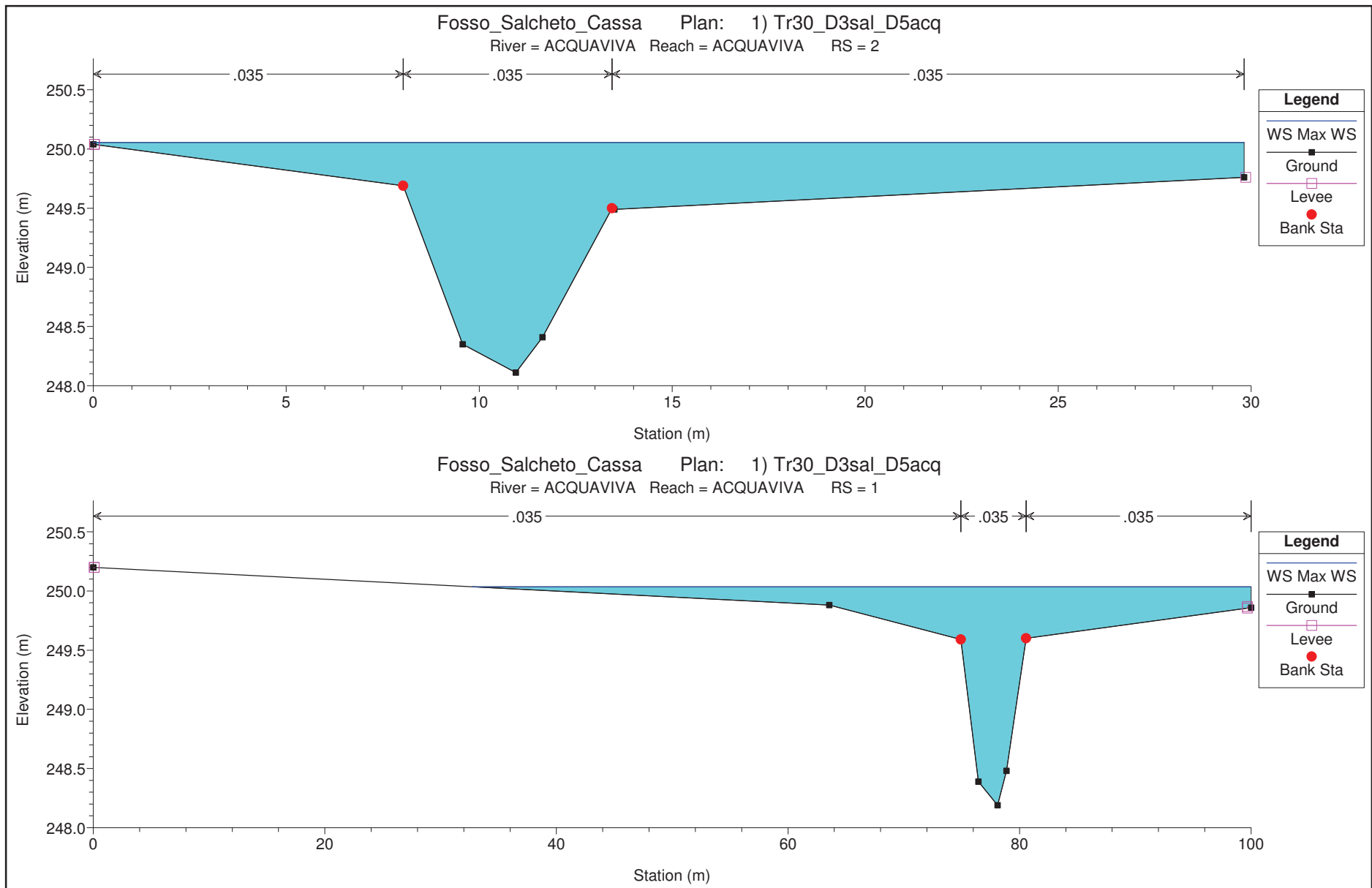














ALLEGATI

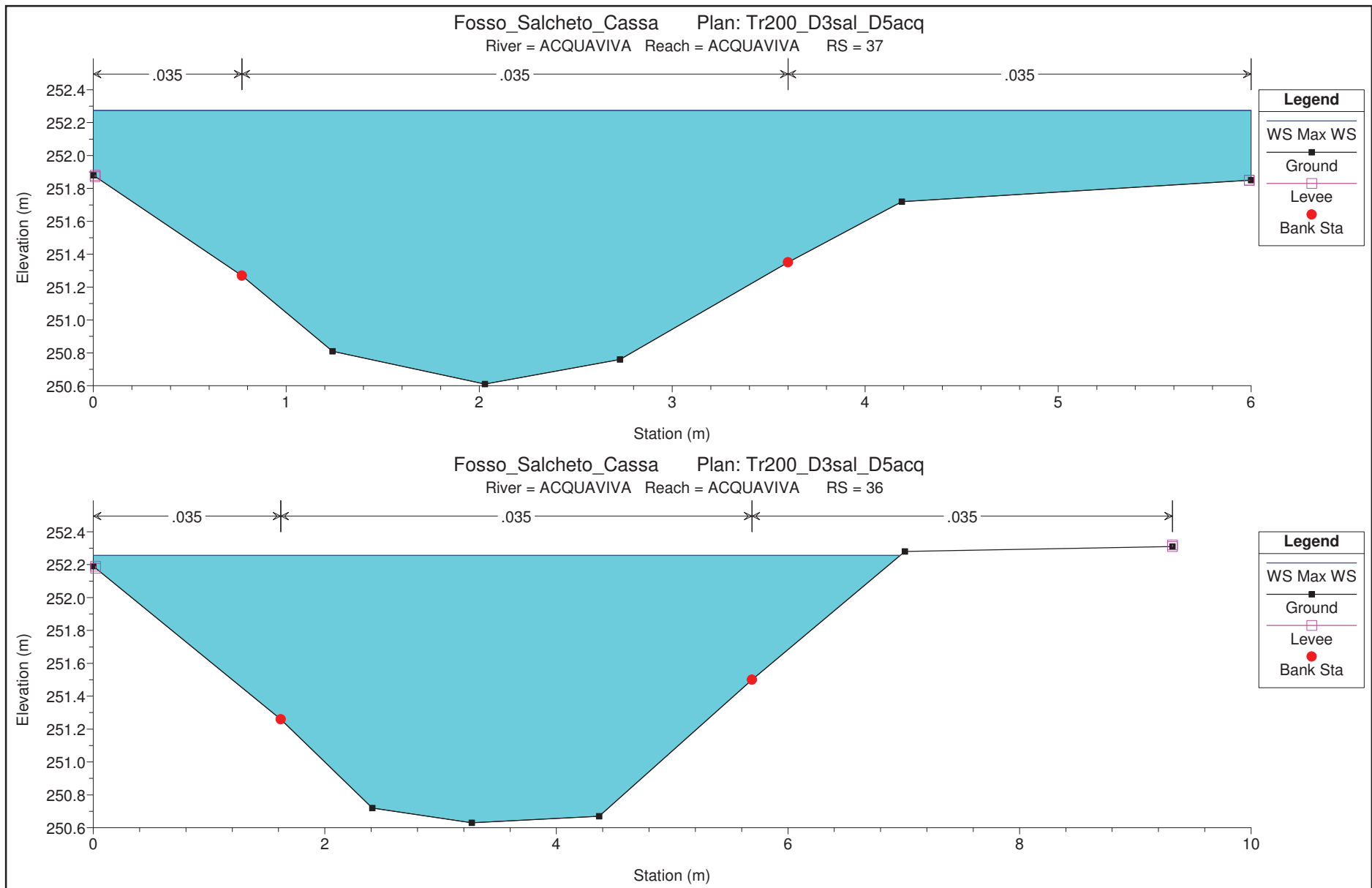
MODELLAZIONE HEC-RAS 5.0.6 "Salcheto Acquaviva"

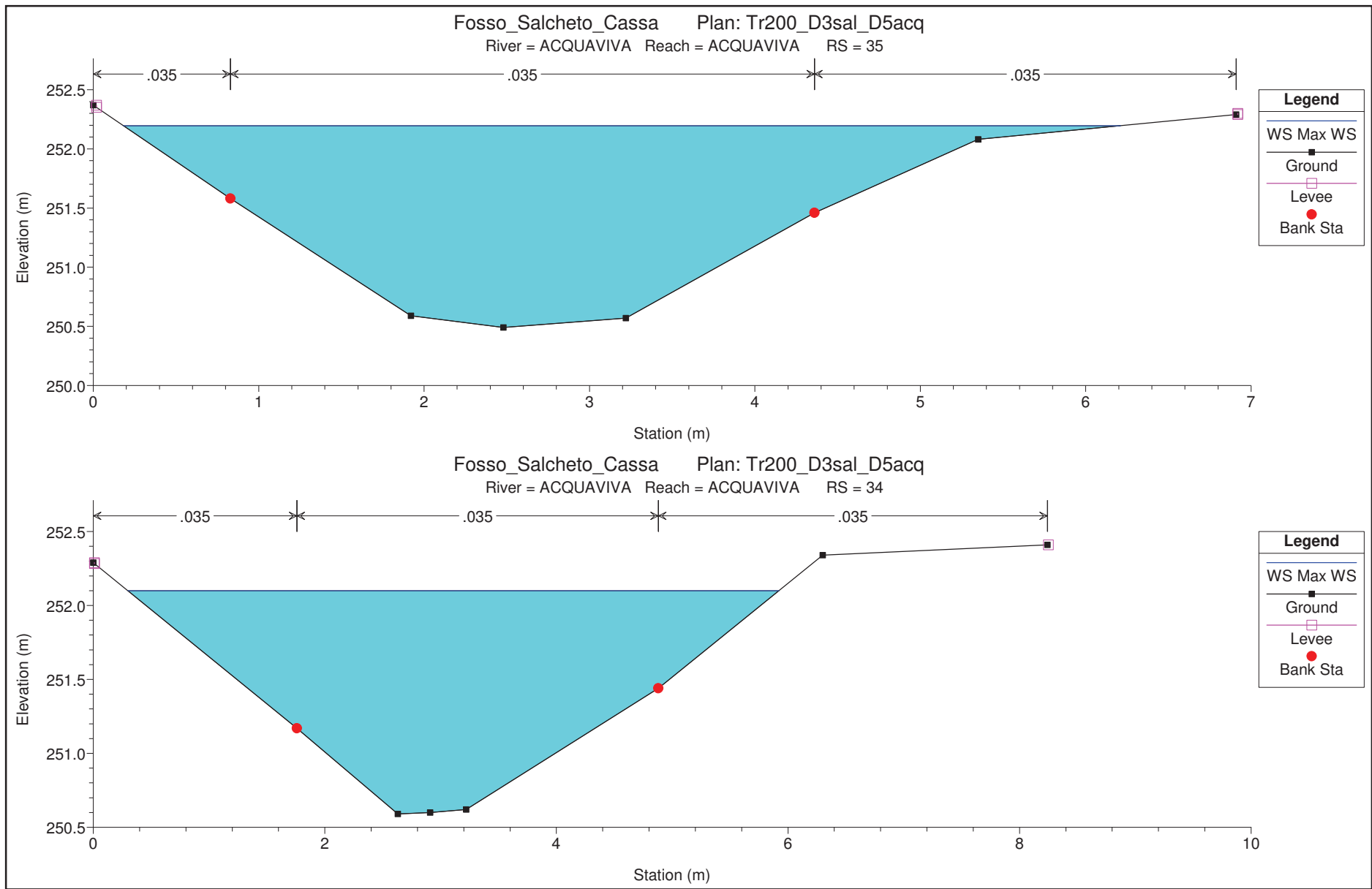
DOCCIA DI ACQUAVIVA

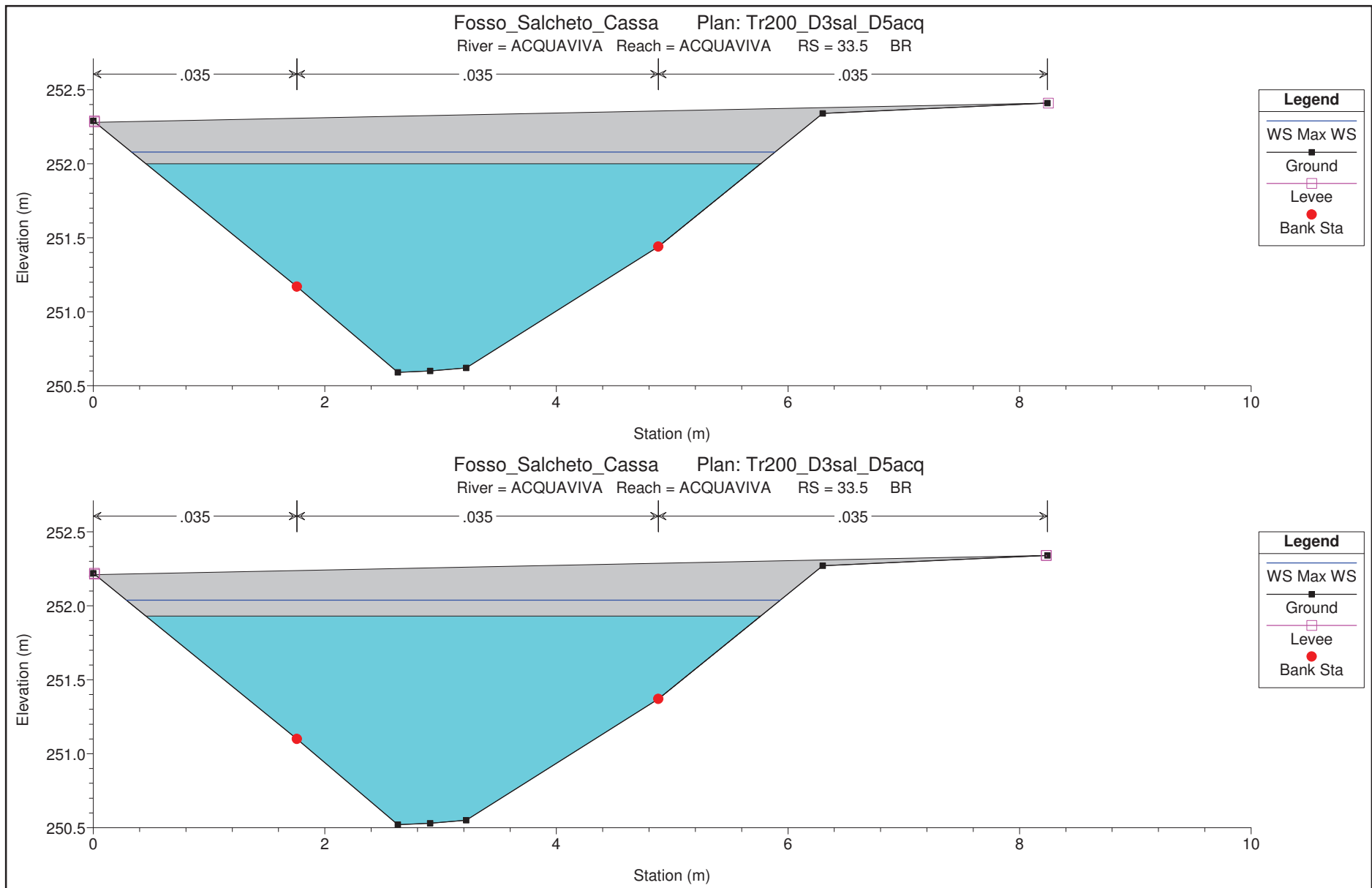
MODELLAZIONE PER TR=200 anni

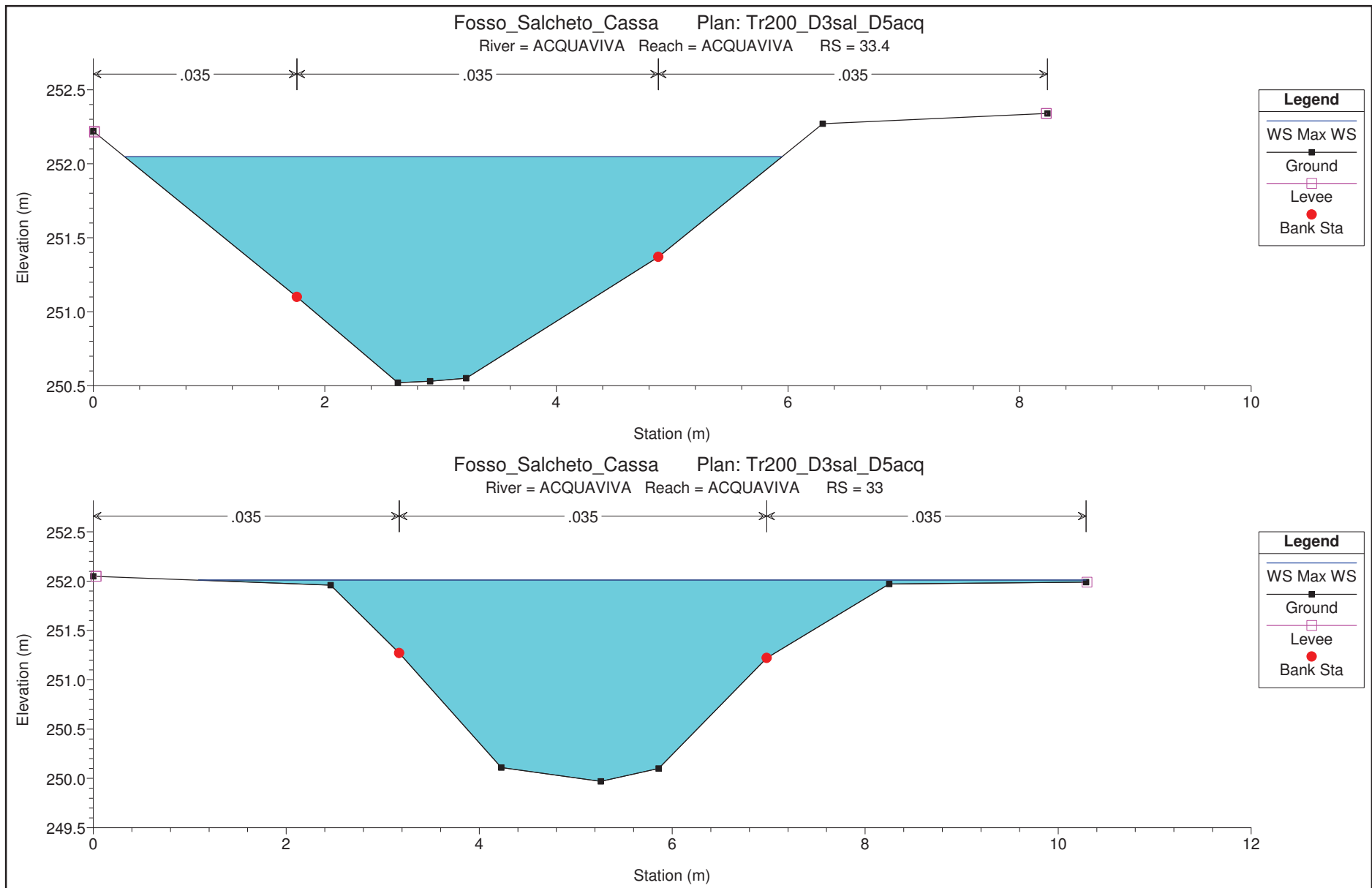
DURATE DI PIOGGIA: 5h

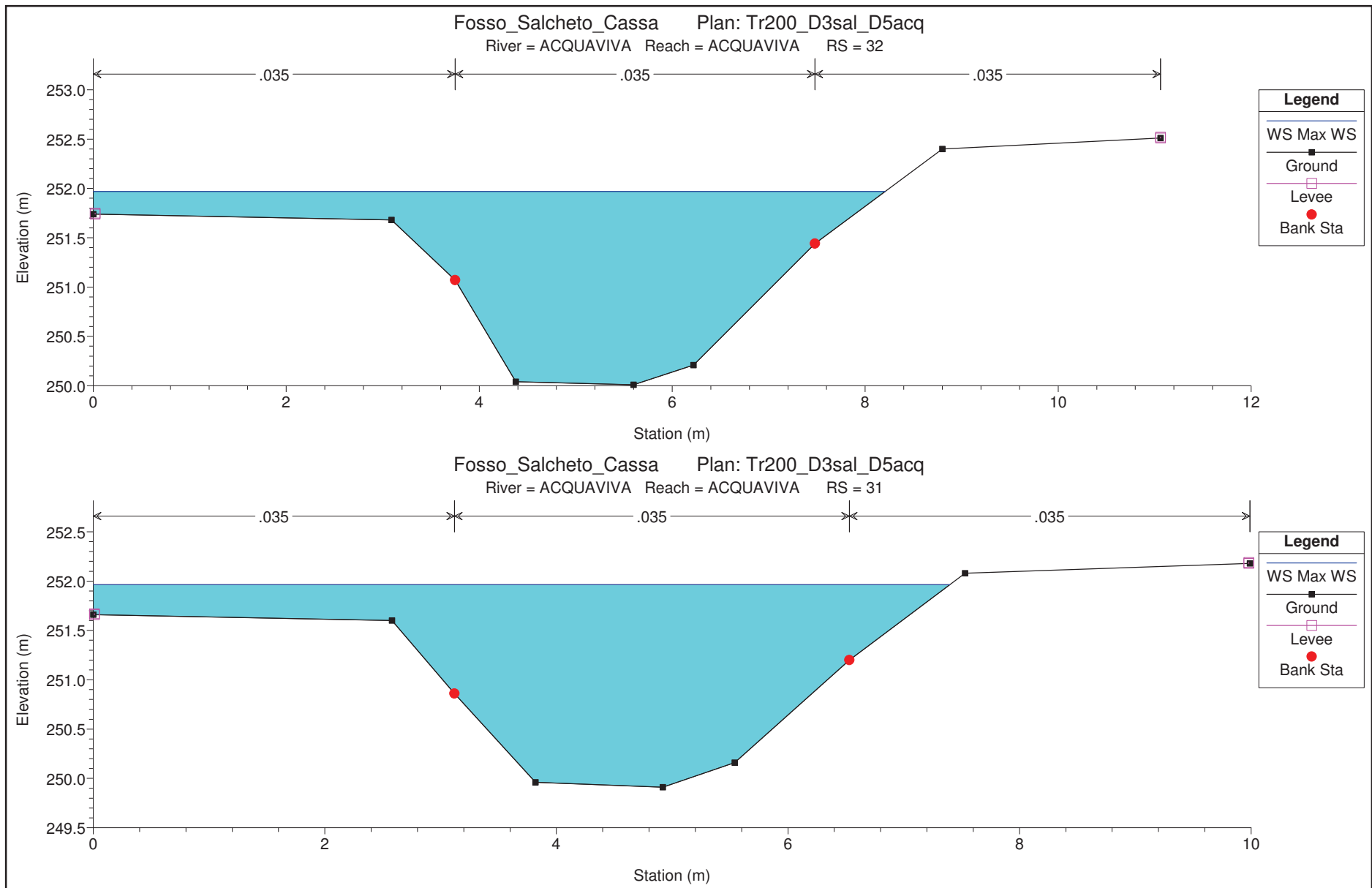
Sezioni Trasversali (da monte verso valle)

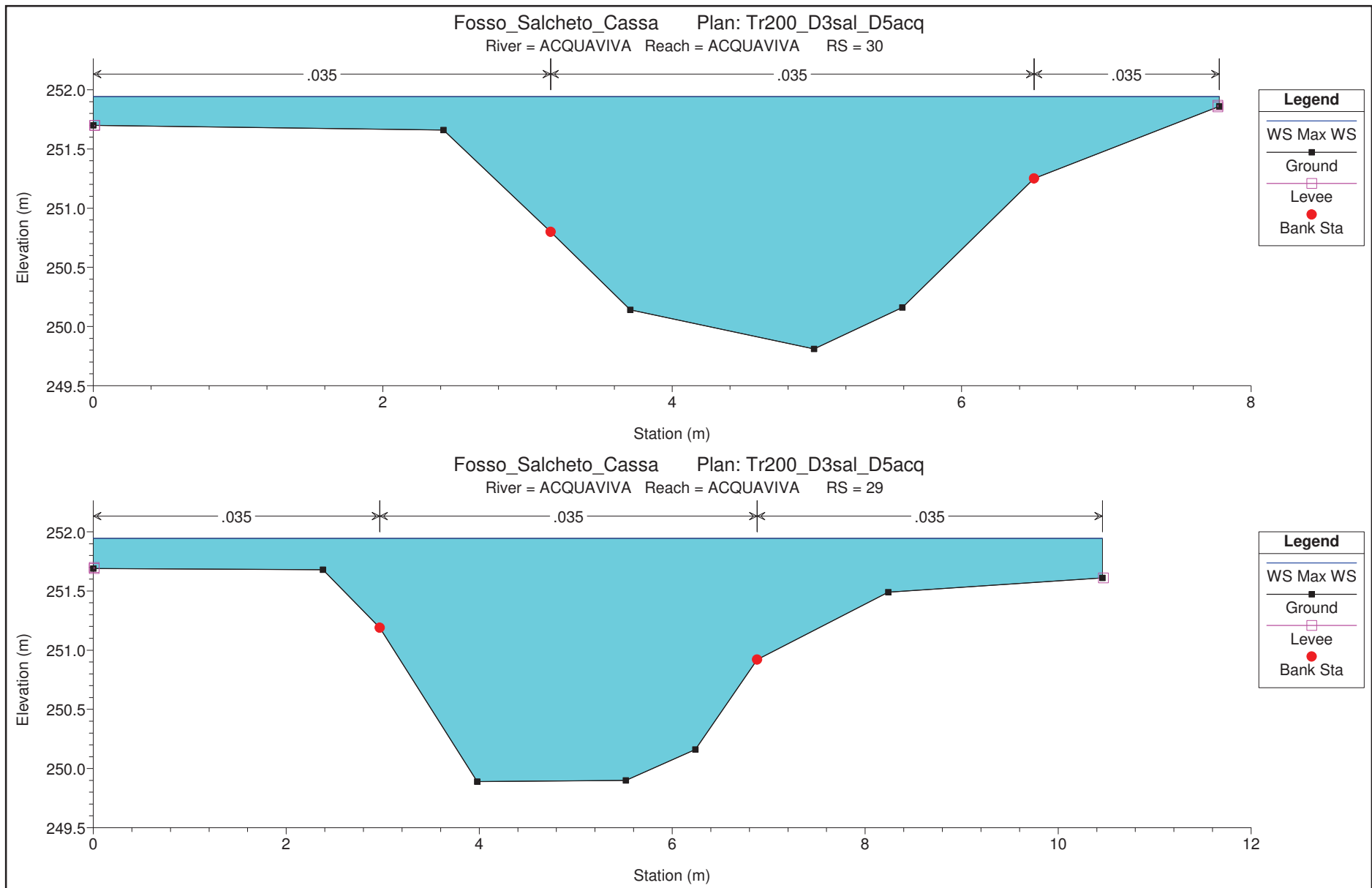


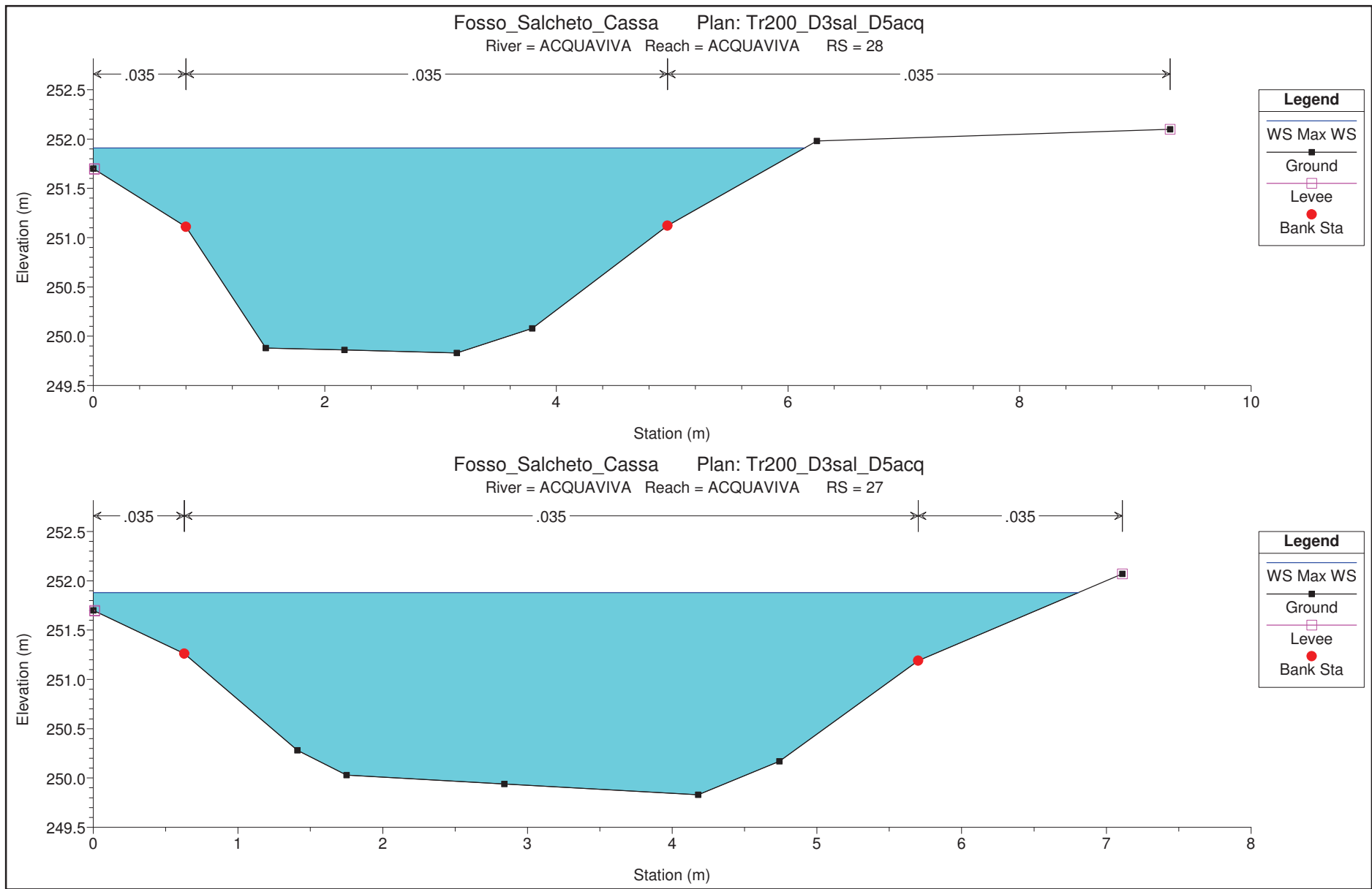


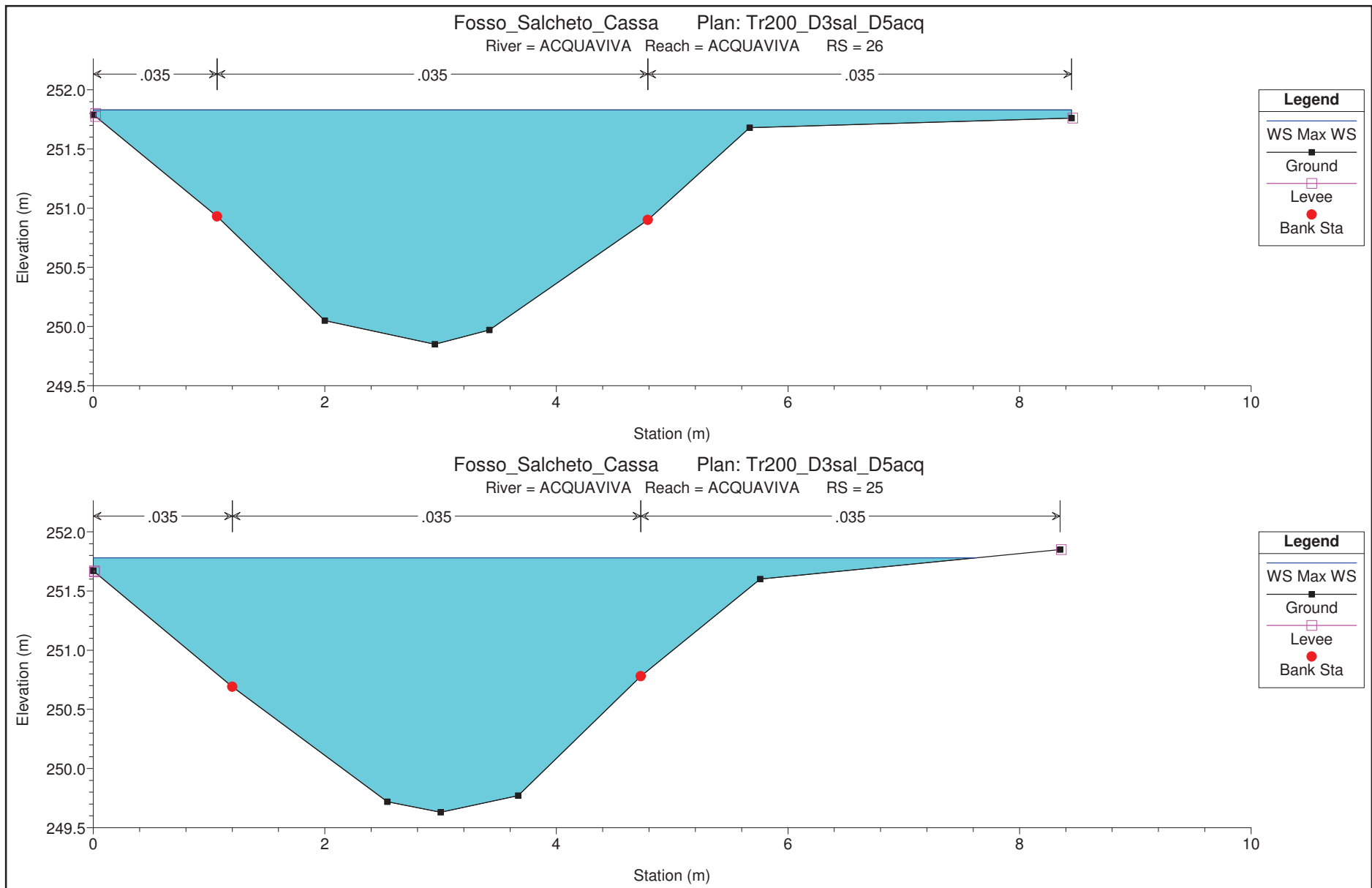


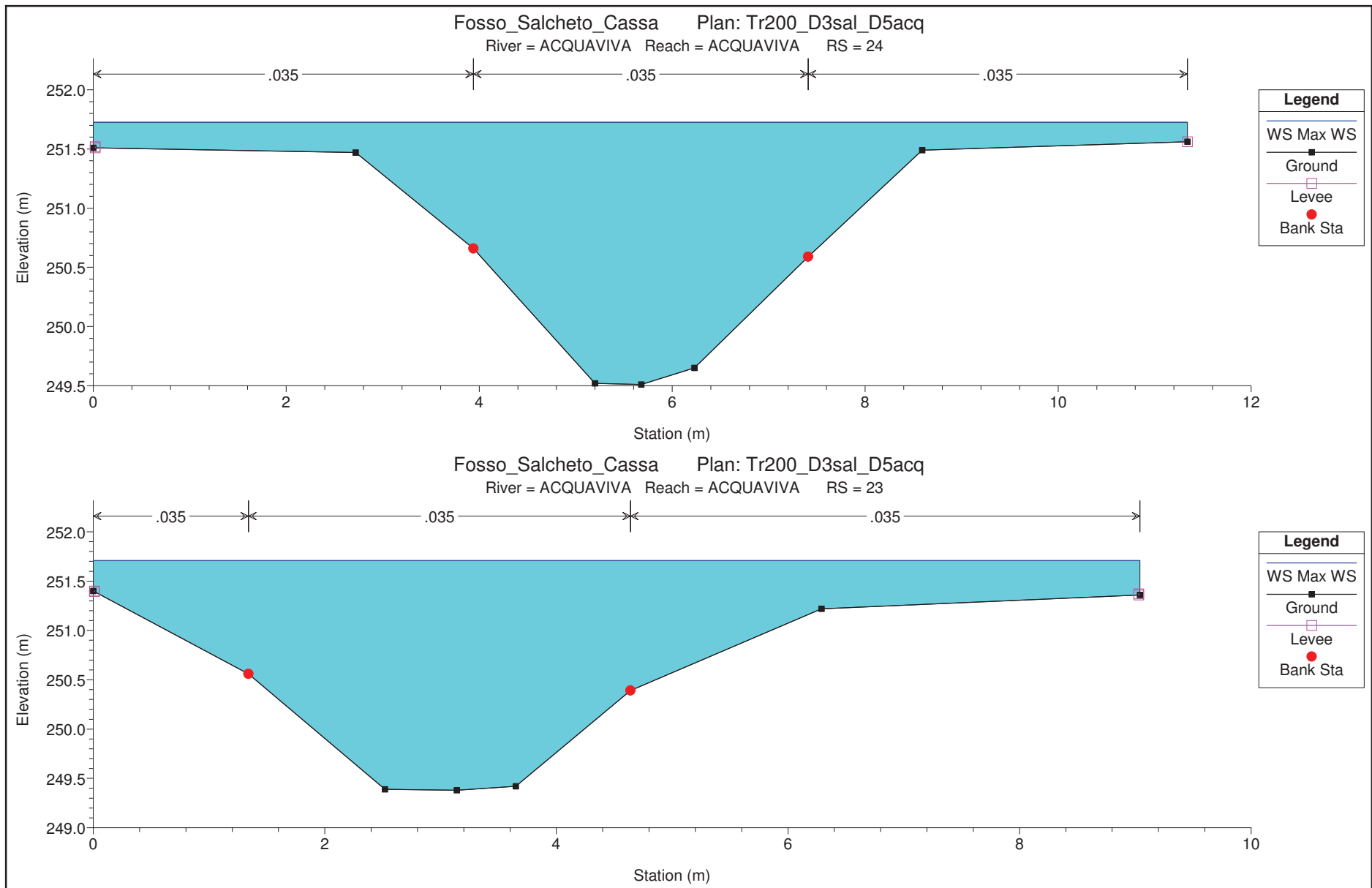


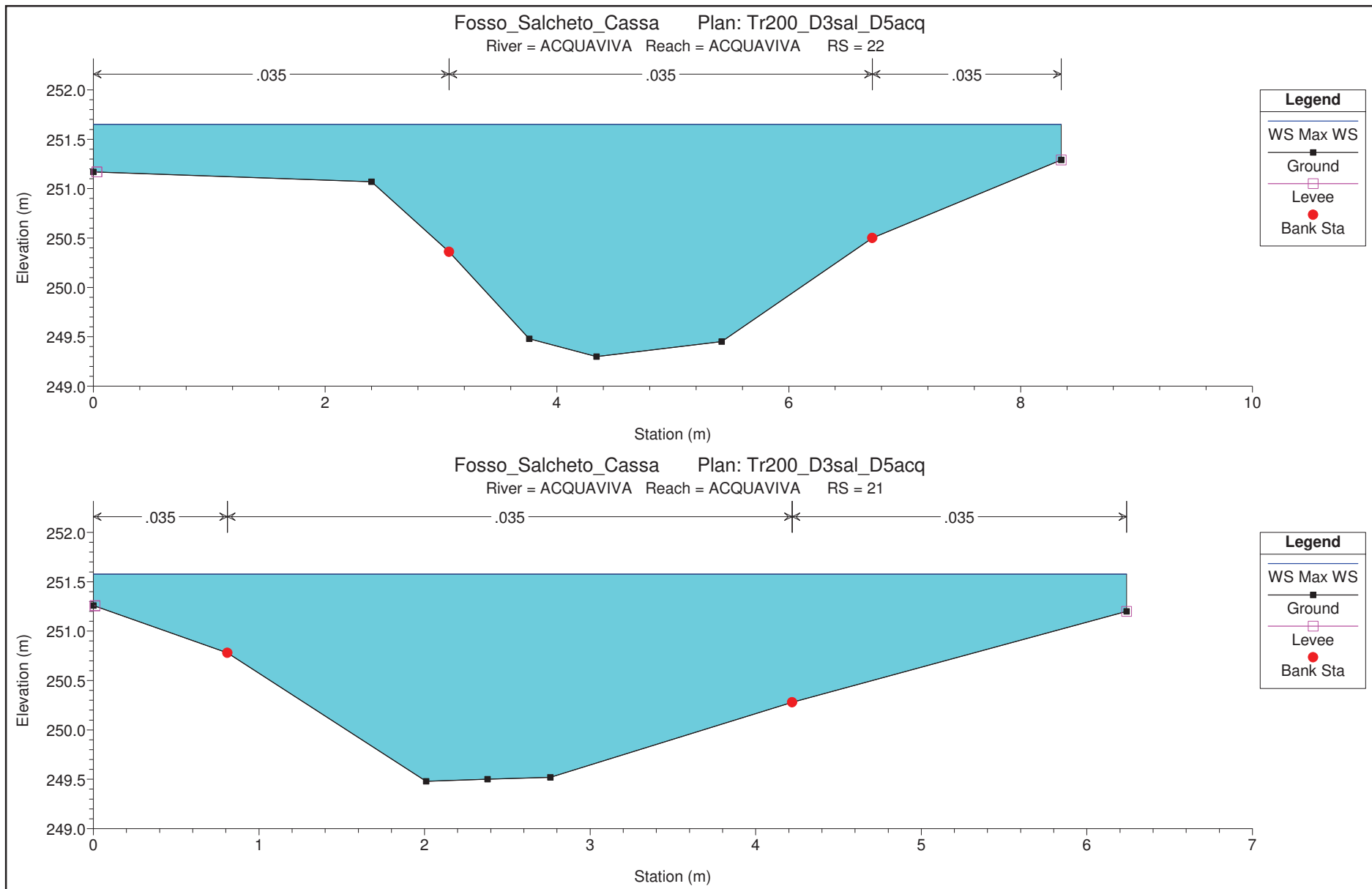


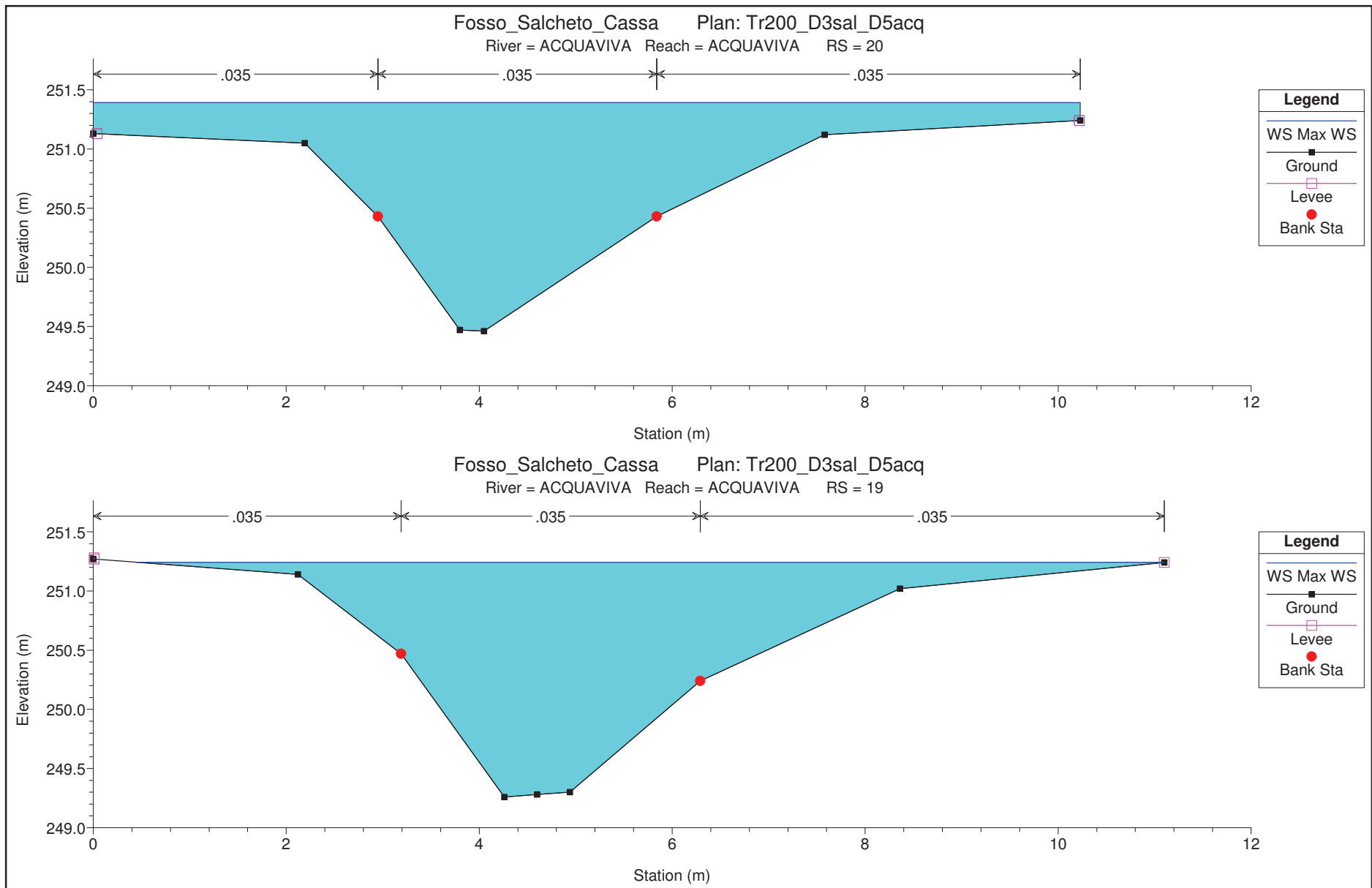


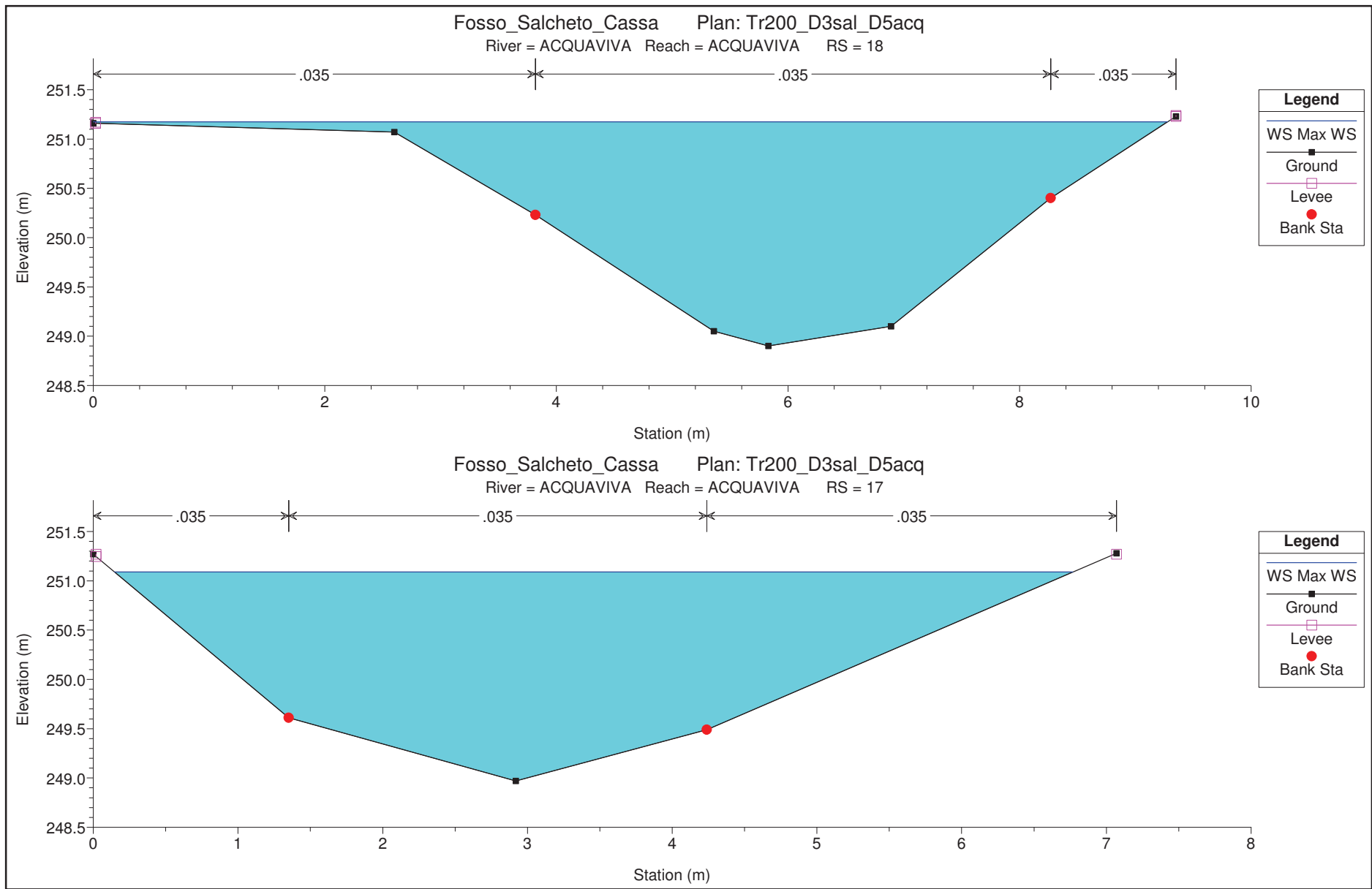


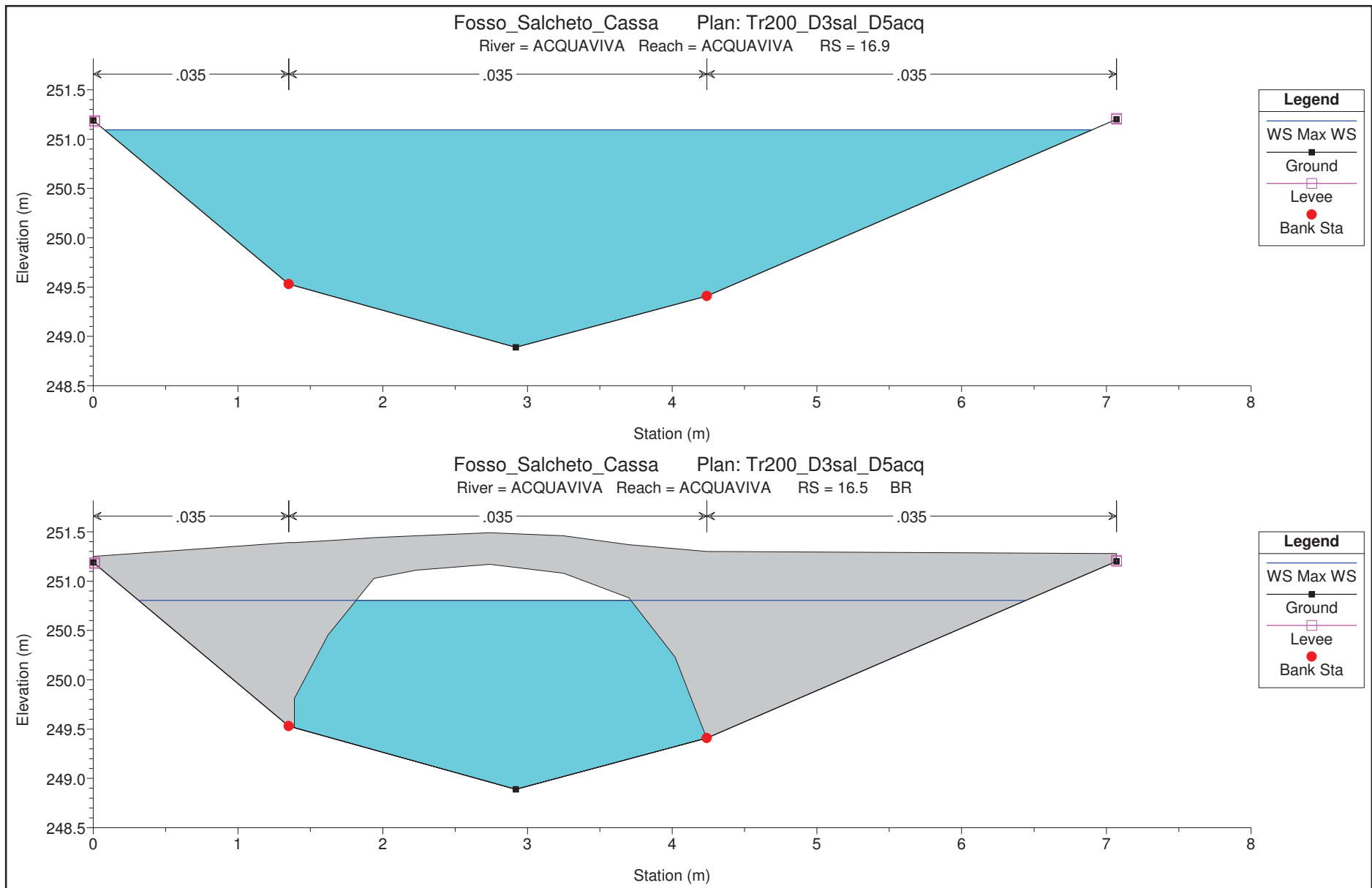


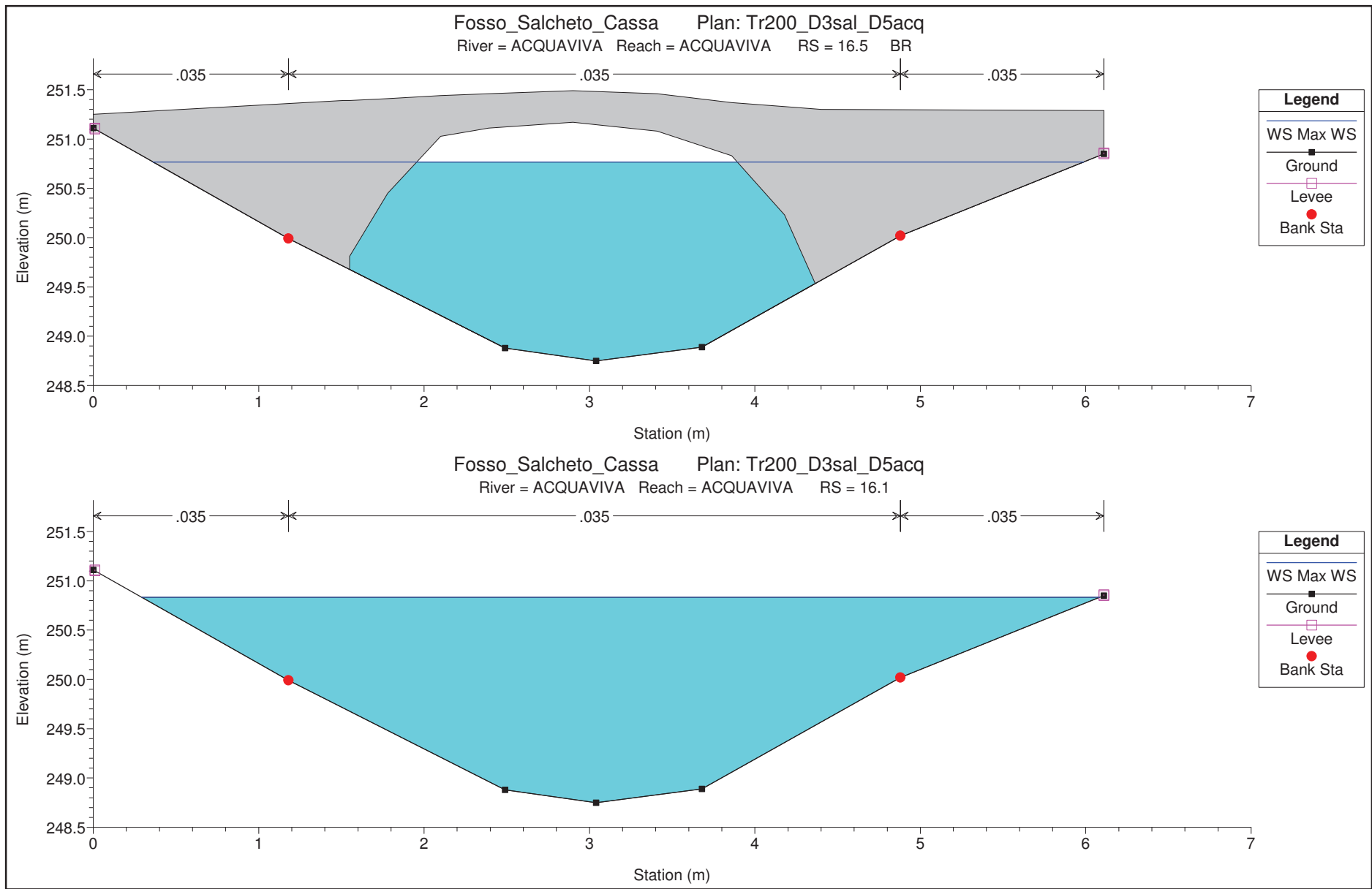


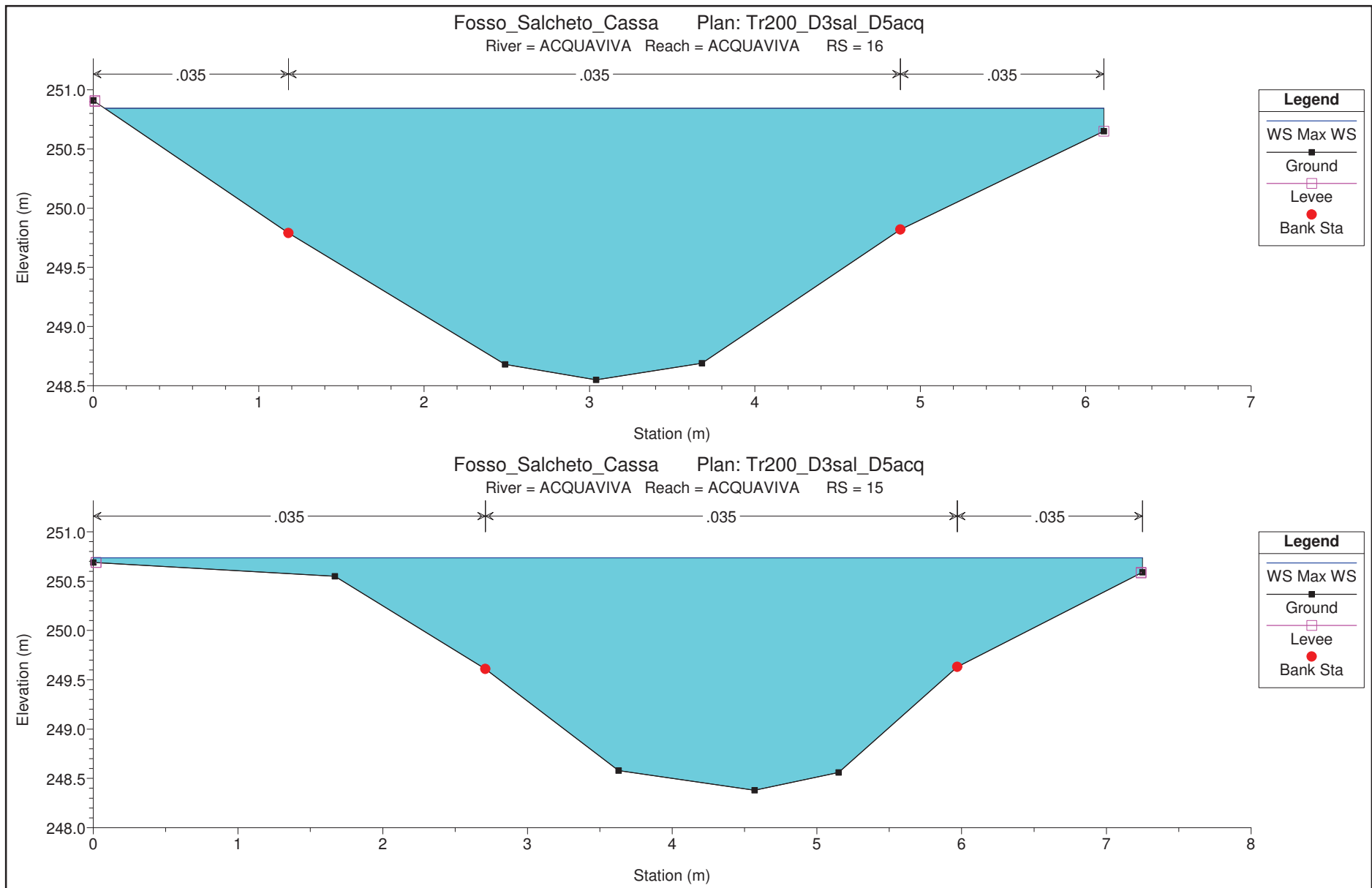


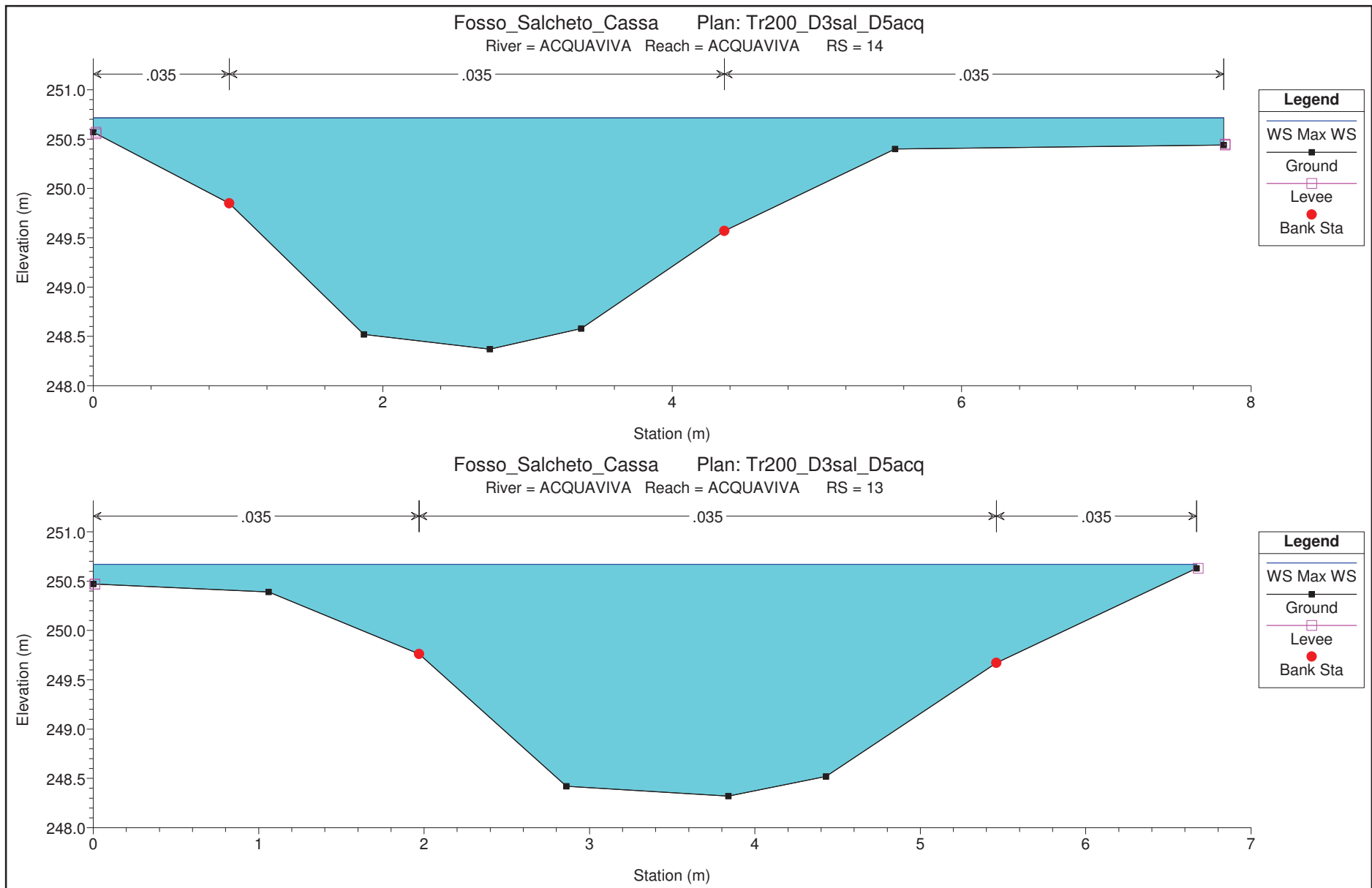


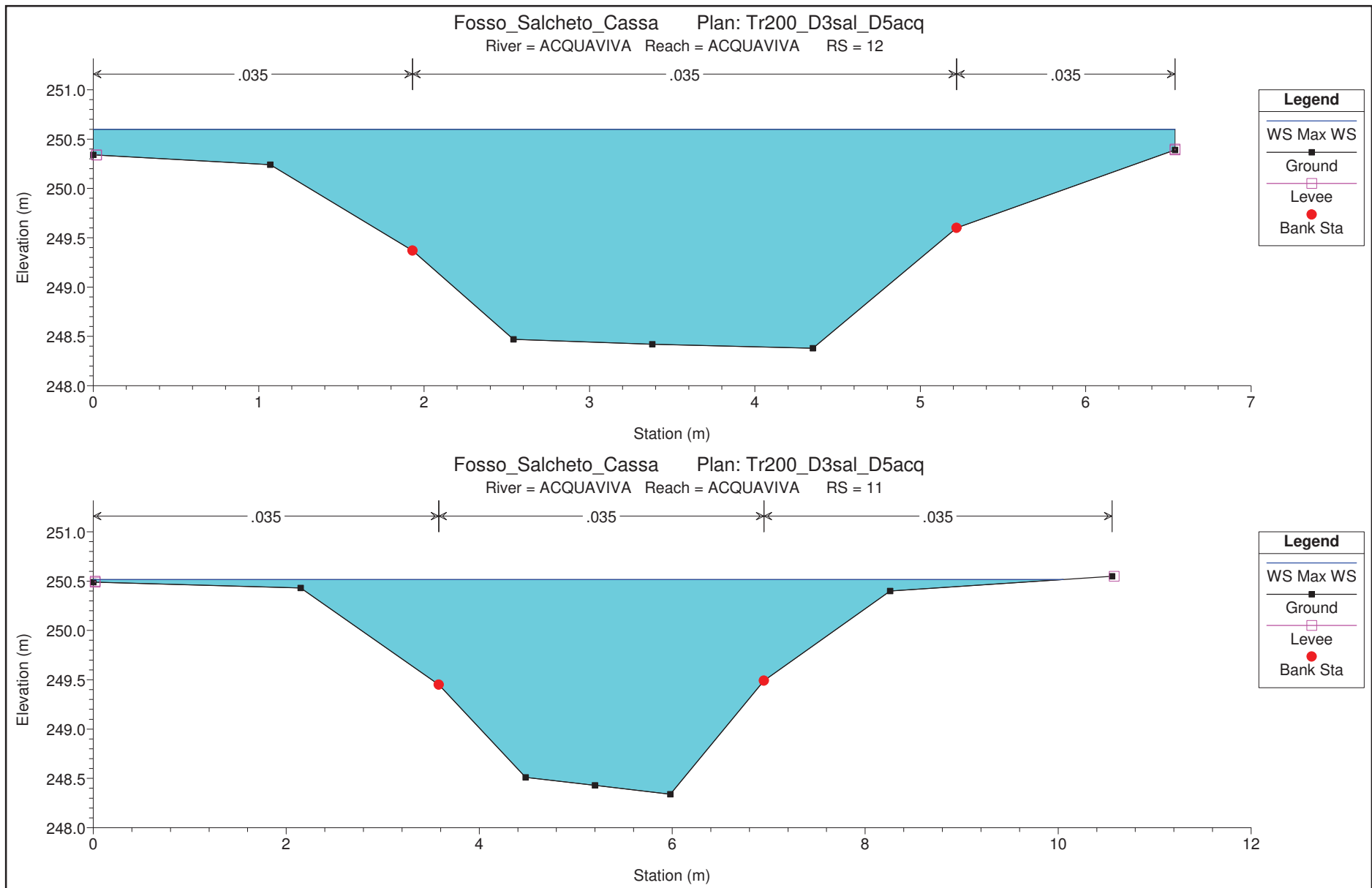


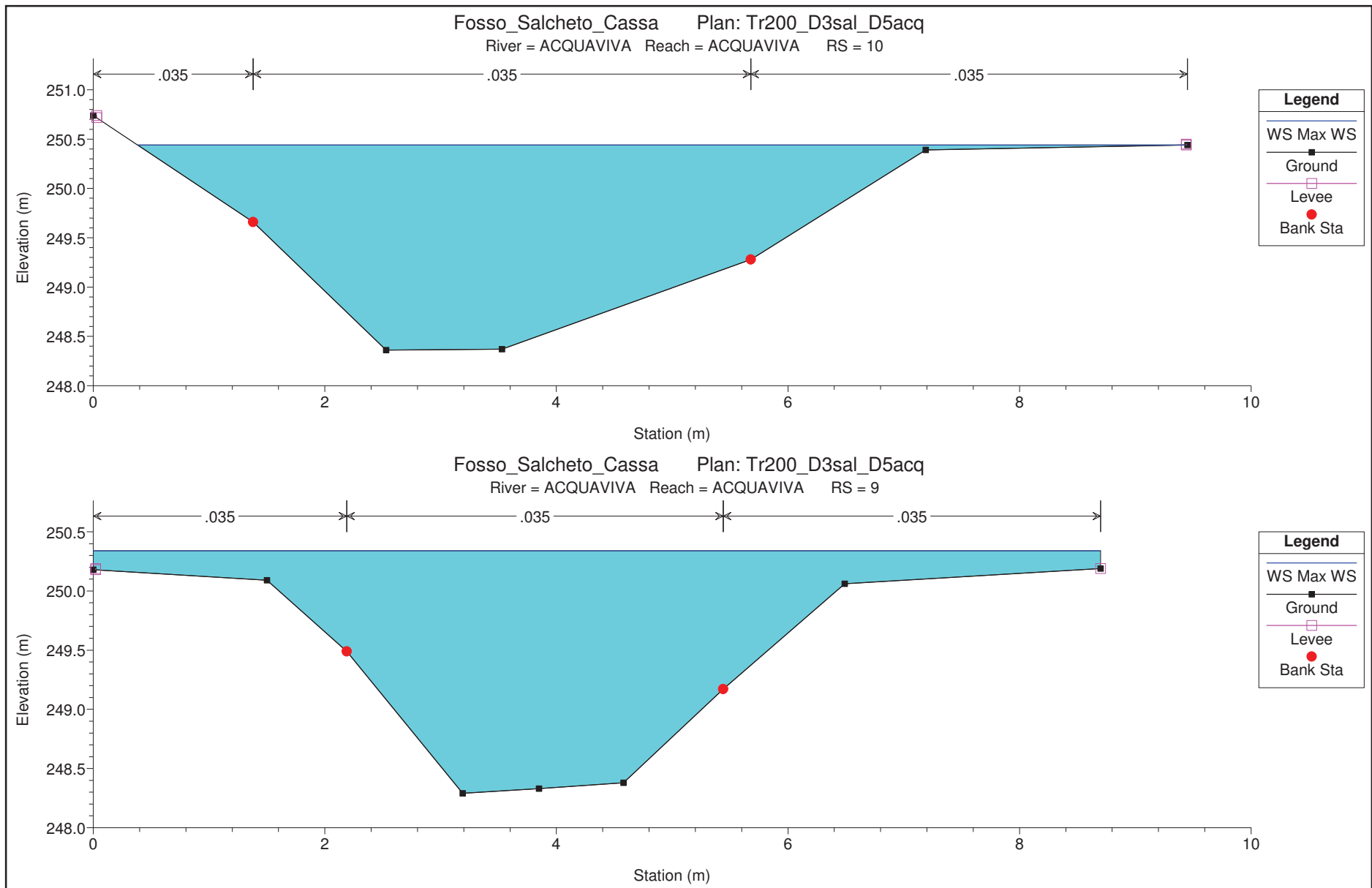


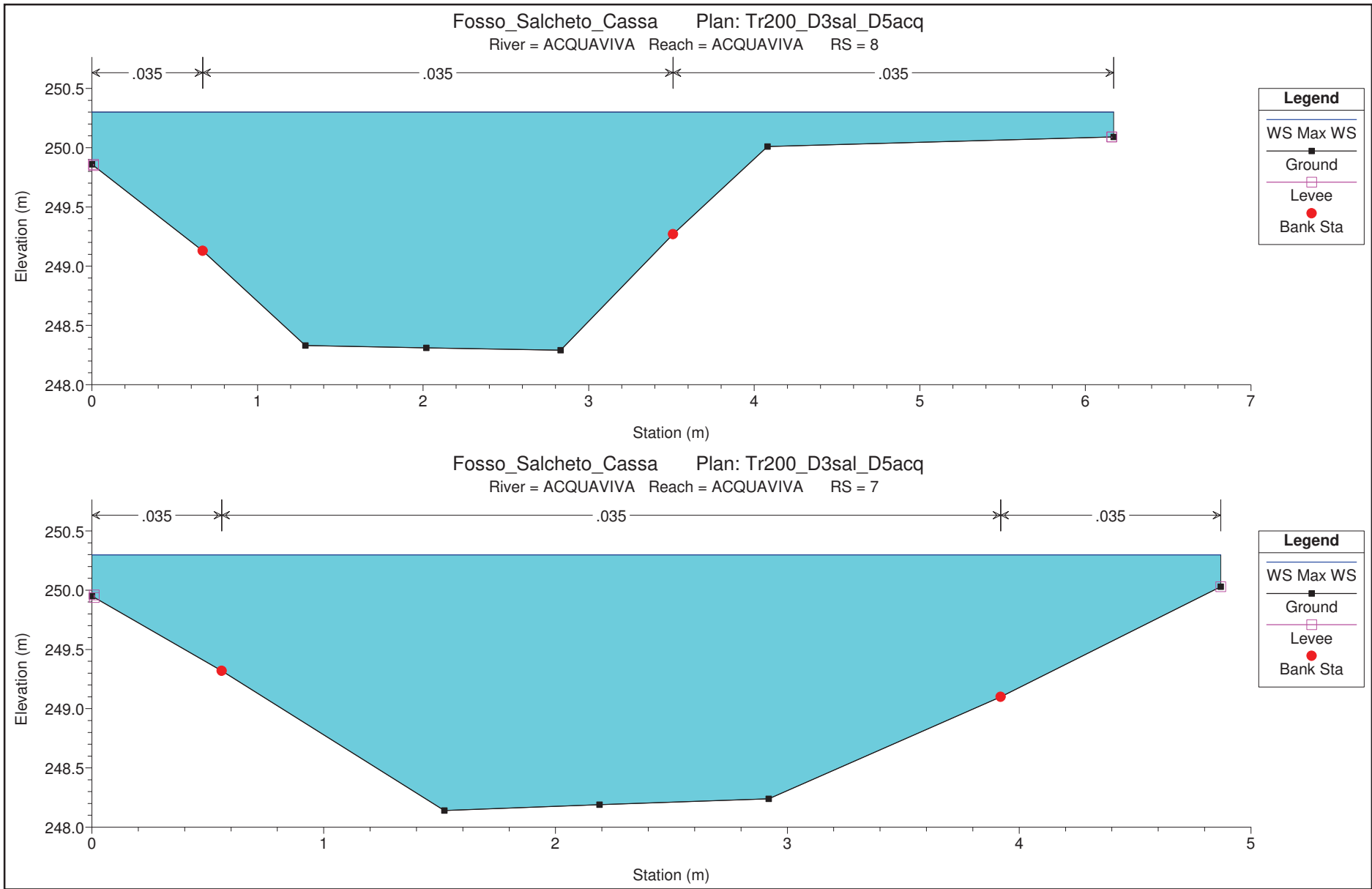


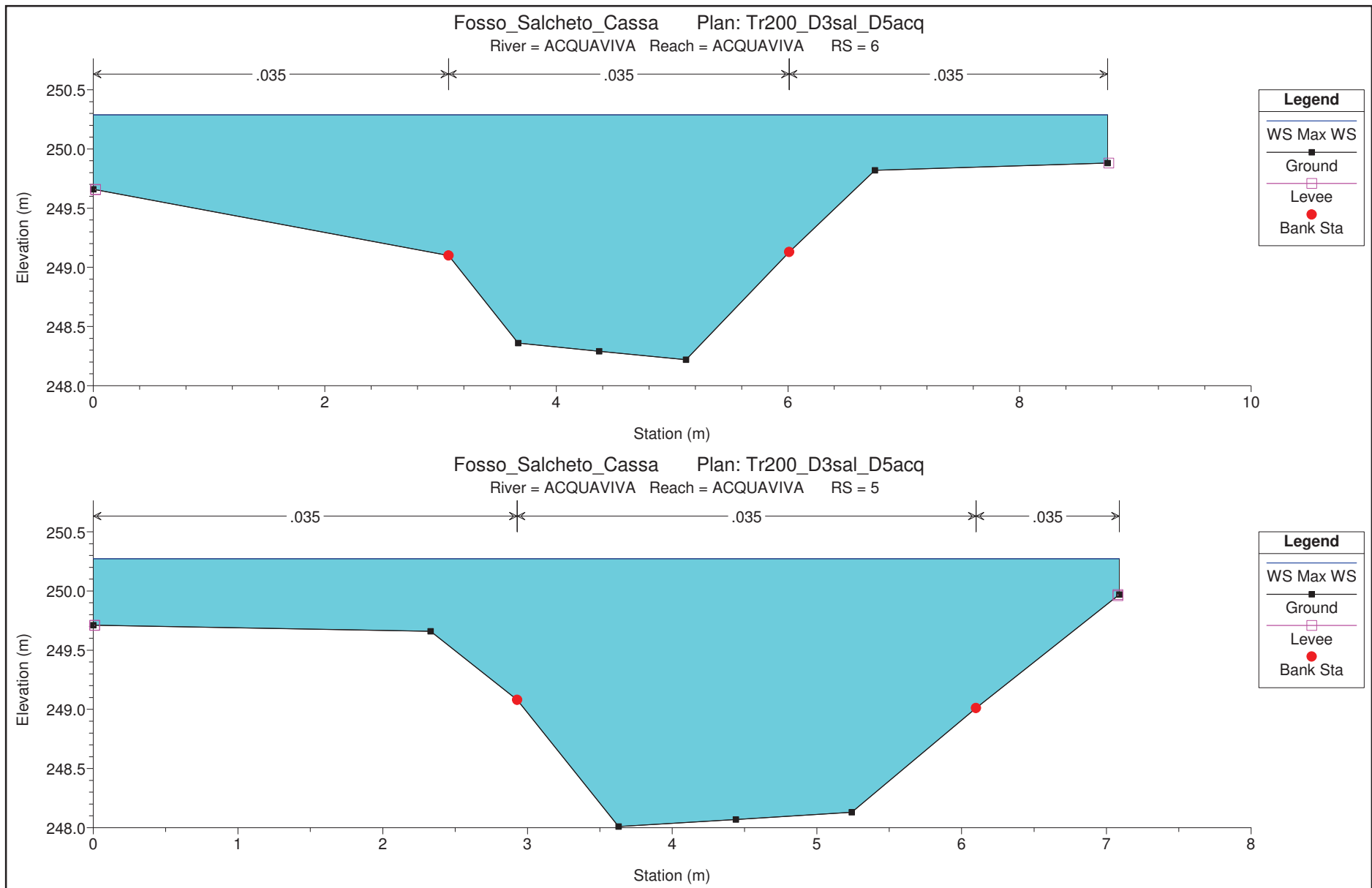


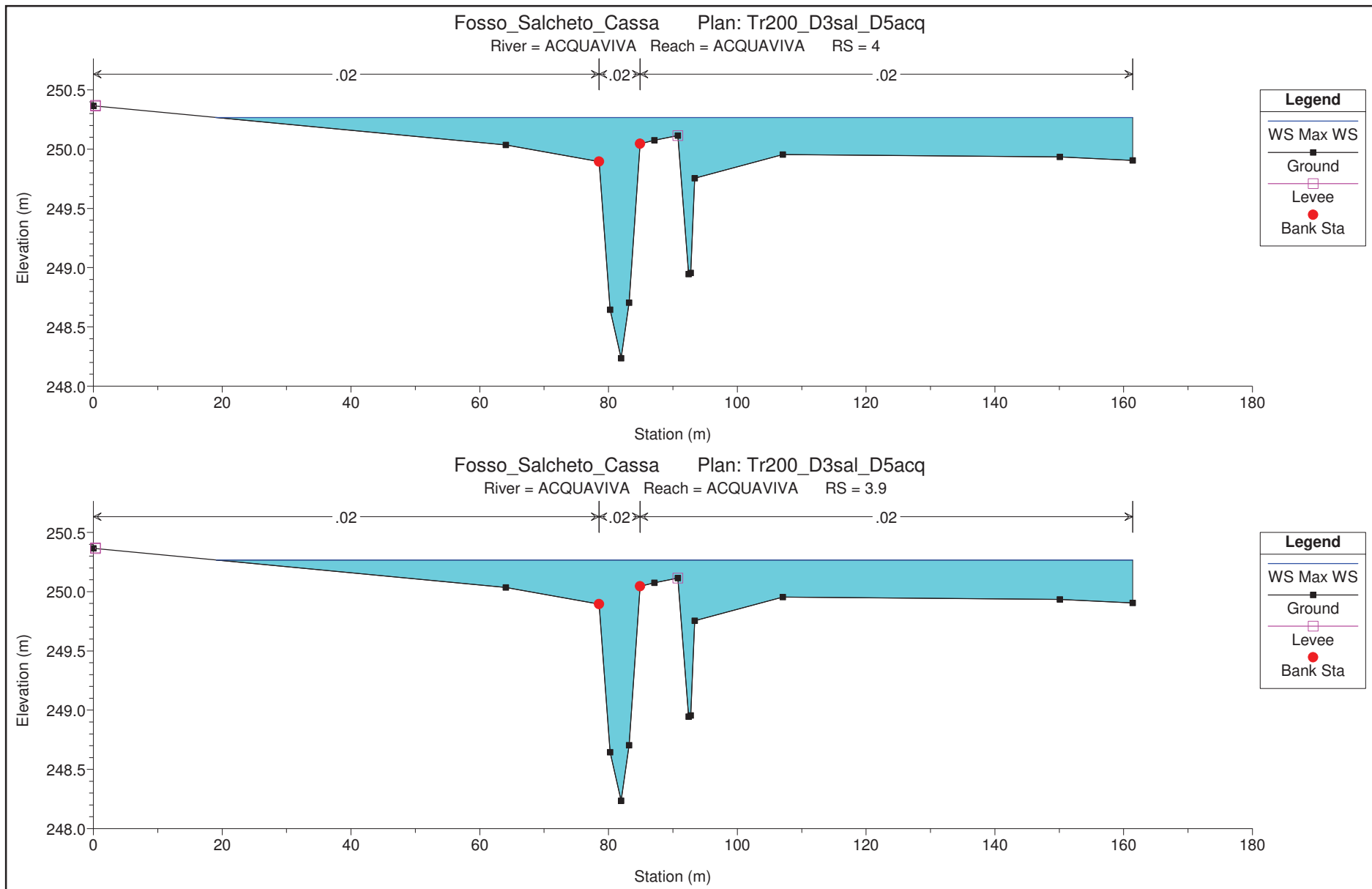


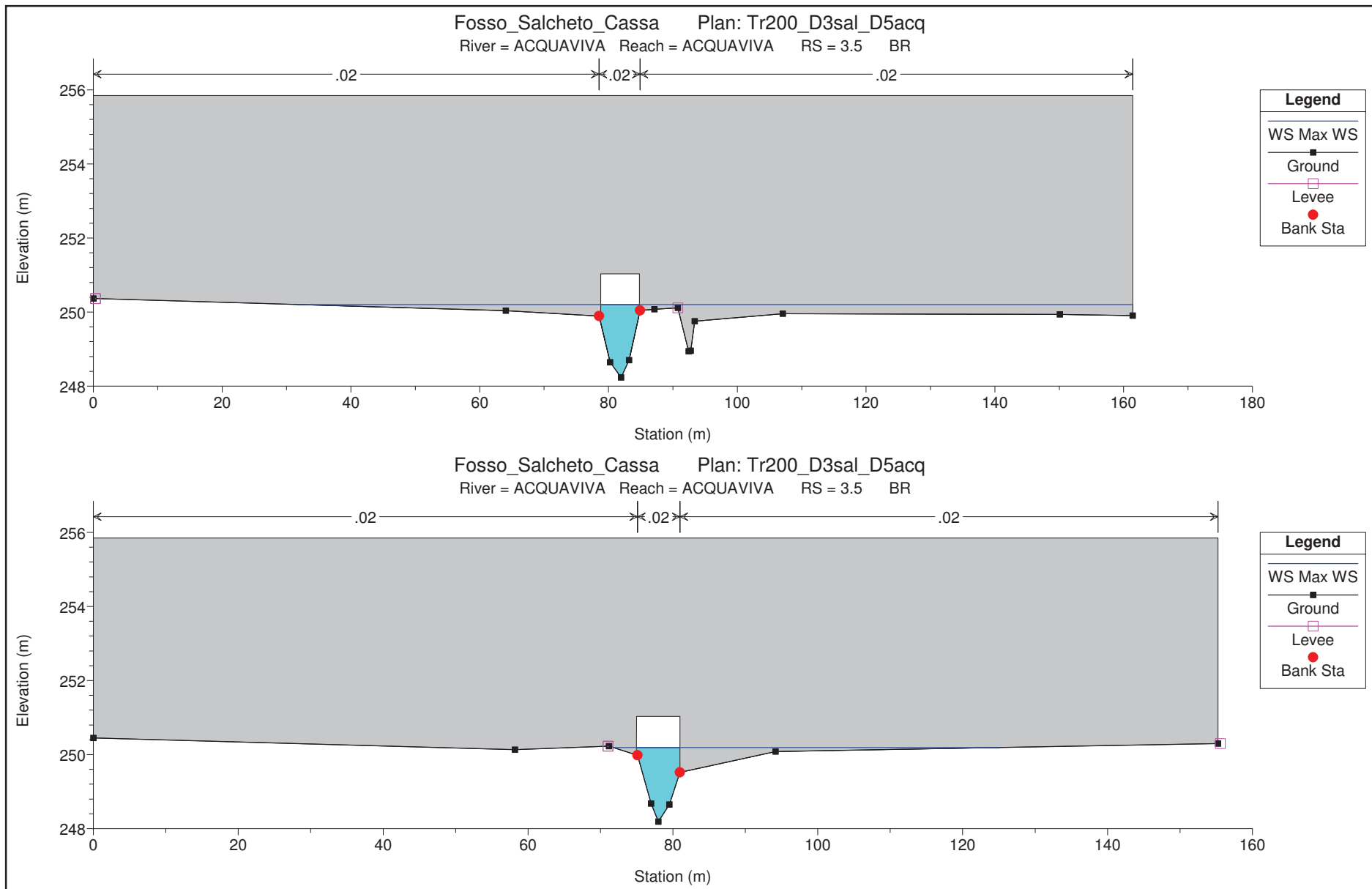


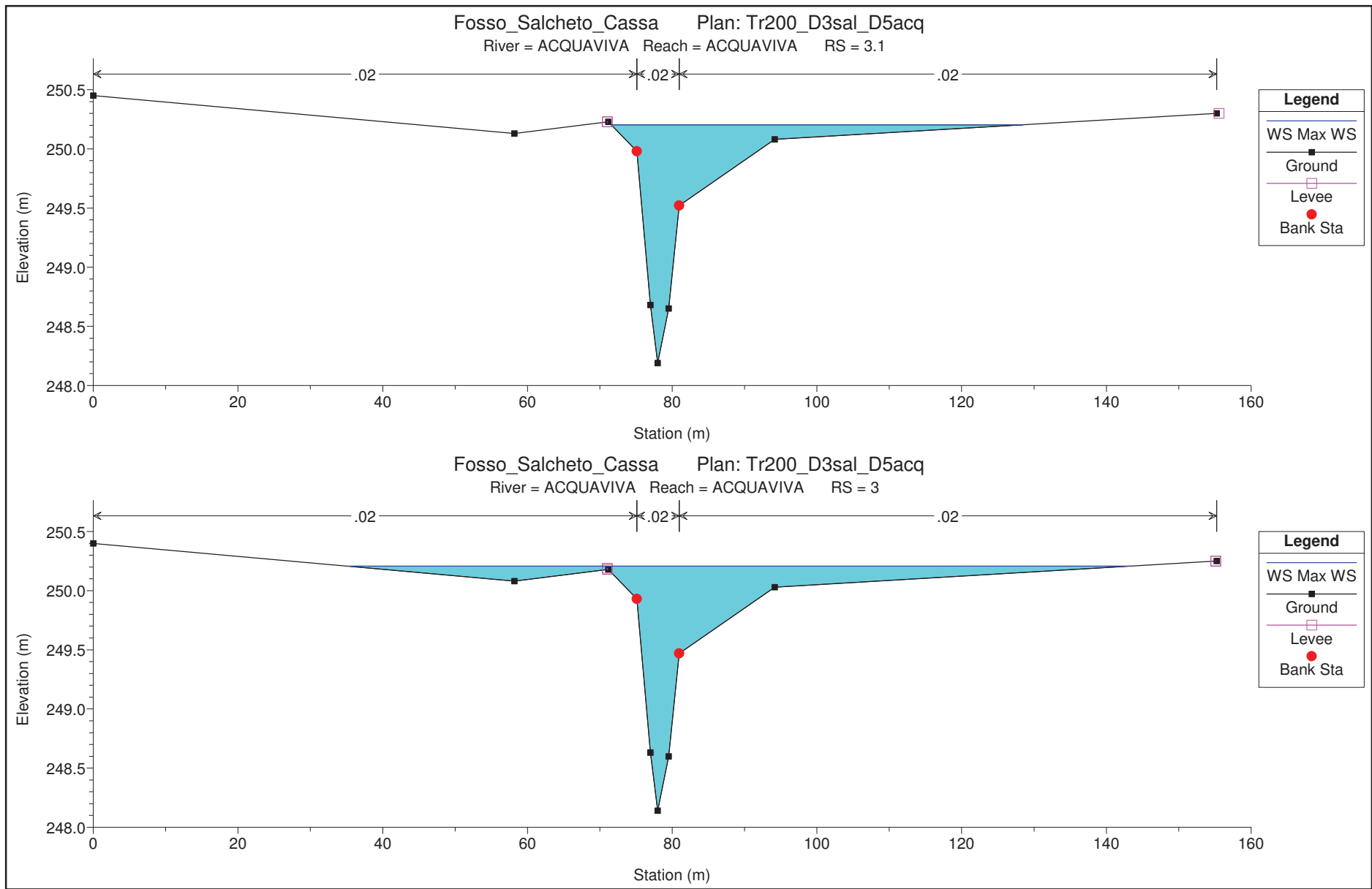


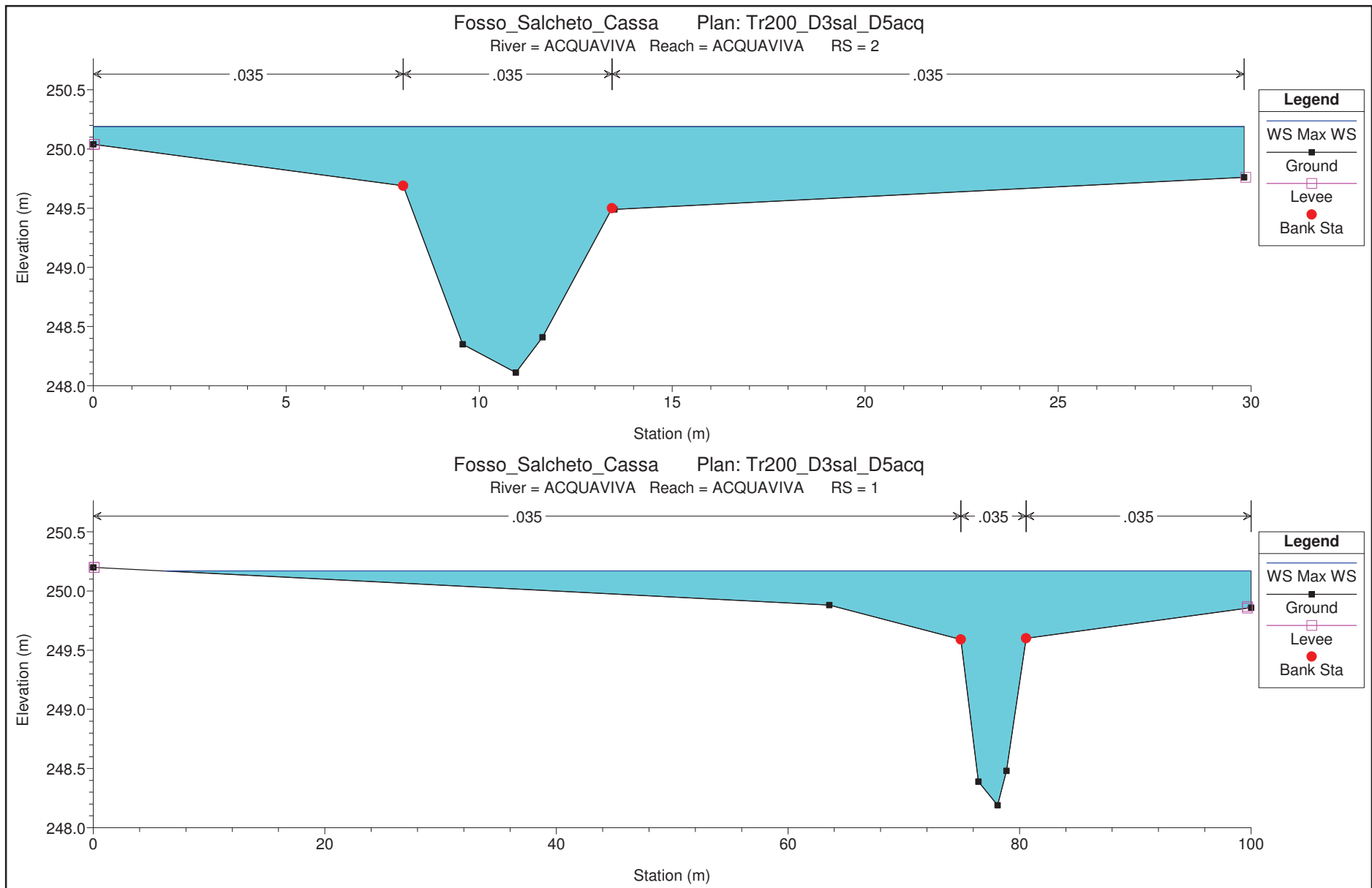














ALLEGATI

MODELLAZIONE HEC-RAS 5.0.66 "Salcheto Acquaviva"

DOCCIA DI ACQUAVIVA

MODELLAZIONE PER TR=30 anni

DURATE DI PIOGGIA: 5h

Dati idraulici

HEC-RAS Plan: Tr30_D3sal_D5acq River: ACQUAVIVA Reach: ACQUAVIVA Profile: Max WS

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
ACQUAVIVA	37	Max WS	2.46	250.61	251.99		252.01	0.000590	0.69	4.15	6.00	0.21
ACQUAVIVA	36	Max WS	2.45	250.63	251.98		251.99	0.000314	0.51	5.18	6.13	0.15
ACQUAVIVA	35	Max WS	2.61	250.49	251.94		251.96	0.000639	0.67	4.05	4.66	0.21
ACQUAVIVA	34	Max WS	2.70	250.59	251.87	251.32	251.91	0.001015	0.83	3.56	4.91	0.27
ACQUAVIVA	33.5		Bridge									
ACQUAVIVA	33.4	Max WS	2.78	250.52	251.87		251.90	0.000835	0.79	3.91	5.13	0.25
ACQUAVIVA	33	Max WS	2.93	249.97	251.86		251.87	0.000265	0.51	6.07	5.50	0.14
ACQUAVIVA	32.81		Lat Struct									
ACQUAVIVA	32	Max WS	2.62	250.01	251.84		251.85	0.000232	0.47	6.21	8.03	0.12
ACQUAVIVA	31	Max WS	2.90	249.91	251.82		251.84	0.000247	0.51	6.35	7.24	0.13
ACQUAVIVA	30.81		Lat Struct									
ACQUAVIVA	30	Max WS	3.34	249.81	251.79		251.81	0.000364	0.61	6.13	7.64	0.16
ACQUAVIVA	29.82		Lat Struct									
ACQUAVIVA	29	Max WS	3.16	249.89	251.78		251.79	0.000192	0.46	7.95	10.46	0.12
ACQUAVIVA	28	Max WS	3.82	249.83	251.76		251.77	0.000301	0.57	7.11	5.91	0.14
ACQUAVIVA	27	Max WS	3.98	249.83	251.73		251.75	0.000241	0.51	8.05	6.57	0.13
ACQUAVIVA	26	Max WS	4.29	249.85	251.69		251.72	0.000556	0.77	6.05	5.98	0.20
ACQUAVIVA	25	Max WS	4.58	249.63	251.66		251.68	0.000486	0.76	6.70	6.33	0.19
ACQUAVIVA	24	Max WS	4.83	249.51	251.62		251.65	0.000452	0.75	7.83	11.34	0.18
ACQUAVIVA	23	Max WS	4.72	249.38	251.62		251.63	0.000285	0.62	9.23	9.04	0.15
ACQUAVIVA	22.81		Lat Struct									
ACQUAVIVA	22	Max WS	5.95	249.30	251.59		251.61	0.000360	0.72	9.76	8.35	0.17
ACQUAVIVA	21.82		Lat Struct									
ACQUAVIVA	21	Max WS	7.45	249.48	251.49		251.55	0.001114	1.14	7.37	6.24	0.29
ACQUAVIVA	20	Max WS	7.85	249.46	251.30		251.41	0.002788	1.63	6.10	10.23	0.44
ACQUAVIVA	19	Max WS	7.98	249.26	251.13		251.24	0.002626	1.58	5.88	7.55	0.42
ACQUAVIVA	18	Max WS	8.23	248.90	251.06		251.12	0.001026	1.10	7.95	6.52	0.28
ACQUAVIVA	17	Max WS	8.47	248.97	250.98		251.06	0.001220	1.36	7.47	6.36	0.33
ACQUAVIVA	16.9	Max WS	8.48	248.89	250.98	250.13	251.05	0.001011	1.28	8.02	6.56	0.30
ACQUAVIVA	16.5		Bridge									
ACQUAVIVA	16.1	Max WS	8.48	248.75	250.78		250.88	0.001829	1.41	6.47	5.67	0.36
ACQUAVIVA	16	Max WS	8.51	248.55	250.80		250.87	0.001139	1.21	7.70	5.99	0.29
ACQUAVIVA	15	Max WS	8.73	248.38	250.71		250.79	0.001225	1.28	7.80	7.25	0.30
ACQUAVIVA	14.82		Lat Struct									
ACQUAVIVA	14	Max WS	7.59	248.37	250.69		250.74	0.000900	1.07	8.24	7.81	0.25
ACQUAVIVA	13	Max WS	7.78	248.32	250.63		250.69	0.001013	1.12	7.76	6.67	0.26
ACQUAVIVA	12.81		Lat Struct									
ACQUAVIVA	12	Max WS	7.93	248.38	250.56		250.62	0.000999	1.14	7.92	6.54	0.26
ACQUAVIVA	11	Max WS	8.09	248.34	250.48		250.55	0.001263	1.26	7.49	8.96	0.30
ACQUAVIVA	10.9		Lat Struct									
ACQUAVIVA	10	Max WS	8.36	248.36	250.41		250.47	0.000980	1.11	8.26	7.45	0.28
ACQUAVIVA	9	Max WS	8.22	248.29	250.32		250.40	0.001483	1.33	7.31	8.70	0.33
ACQUAVIVA	8.81		Lat Struct									
ACQUAVIVA	8	Max WS	7.65	248.29	250.20		250.30	0.001933	1.48	5.89	6.17	0.36
ACQUAVIVA	7	Max WS	7.12	248.14	250.14		250.21	0.001245	1.21	6.40	4.87	0.30
ACQUAVIVA	6.81		Lat Struct									
ACQUAVIVA	6	Max WS	6.30	248.22	250.10		250.14	0.000846	0.98	7.87	8.76	0.25
ACQUAVIVA	5	Max WS	5.00	248.01	250.08		250.11	0.000487	0.78	7.56	7.09	0.19
ACQUAVIVA	4	Max WS	4.44	248.23	250.08		250.09	0.000132	0.57	9.27	31.88	0.17
ACQUAVIVA	3.9	Max WS	4.48	248.23	250.08	249.07	250.09	0.000135	0.58	9.19	31.18	0.17
ACQUAVIVA	3.5		Bridge									
ACQUAVIVA	3.1	Max WS	4.48	248.19	250.07		250.08	0.000107	0.53	10.60	20.24	0.16
ACQUAVIVA	3	Max WS	4.54	248.14	250.07		250.08	0.000099	0.53	11.85	32.25	0.15
ACQUAVIVA	2	Max WS	5.06	248.11	250.05		250.06	0.000198	0.45	15.90	29.82	0.12
ACQUAVIVA	1	Max WS	5.06	248.19	250.04	249.02	250.04	0.000202	0.45	19.20	67.25	0.12



ALLEGATI

MODELLAZIONE HEC-RAS 5.0.6 "Salcheto Acquaviva"

DOCCIA DI ACQUAVIVA

MODELLAZIONE PER TR=200 anni

DURATE DI PIOGGIA: 5h

Dati idraulici

HEC-RAS Plan: Tr200_D3sal_D5acq River: ACQUAVIVA Reach: ACQUAVIVA Profile: Max WS

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
ACQUAVIVA	37	Max WS	4.10	250.61	252.28		252.31	0.000645	0.83	5.85	6.00	0.22
ACQUAVIVA	36	Max WS	4.10	250.63	252.26		252.28	0.000379	0.65	7.02	6.97	0.18
ACQUAVIVA	35	Max WS	4.57	250.49	252.20		252.24	0.000902	0.92	5.39	6.03	0.25
ACQUAVIVA	34	Max WS	5.01	250.59	252.10	251.55	252.17	0.001595	1.19	4.74	5.62	0.35
ACQUAVIVA	33.5		Bridge									
ACQUAVIVA	33.4	Max WS	5.01	250.52	252.05		252.11	0.001505	1.17	4.85	5.68	0.34
ACQUAVIVA	33	Max WS	5.32	249.97	252.01		252.04	0.000623	0.84	7.03	9.20	0.21
ACQUAVIVA	32.81		Lat Struct									
ACQUAVIVA	32	Max WS	5.37	250.01	251.97		252.00	0.000676	0.84	7.24	8.21	0.21
ACQUAVIVA	31	Max WS	3.91	249.91	251.96		251.98	0.000312	0.61	7.37	7.40	0.15
ACQUAVIVA	30.81		Lat Struct									
ACQUAVIVA	30	Max WS	3.40	249.81	251.94		251.96	0.000251	0.54	7.29	7.78	0.13
ACQUAVIVA	29.82		Lat Struct									
ACQUAVIVA	29	Max WS	3.10	249.89	251.94		251.95	0.000117	0.38	9.66	10.46	0.09
ACQUAVIVA	28	Max WS	4.66	249.83	251.91		251.93	0.000317	0.62	8.04	6.14	0.15
ACQUAVIVA	27	Max WS	5.01	249.83	251.88		251.90	0.000274	0.58	9.04	6.81	0.14
ACQUAVIVA	26	Max WS	5.52	249.85	251.83		251.87	0.000648	0.88	7.13	8.45	0.22
ACQUAVIVA	25	Max WS	6.05	249.63	251.78		251.82	0.000638	0.91	7.56	7.62	0.22
ACQUAVIVA	24	Max WS	6.53	249.51	251.72		251.76	0.000610	0.91	9.00	11.34	0.22
ACQUAVIVA	23	Max WS	6.56	249.38	251.71		251.74	0.000437	0.80	10.07	9.04	0.18
ACQUAVIVA	22.81		Lat Struct									
ACQUAVIVA	22	Max WS	7.13	249.30	251.65		251.68	0.000449	0.83	10.28	8.35	0.19
ACQUAVIVA	21.82		Lat Struct									
ACQUAVIVA	21	Max WS	8.32	249.48	251.58		251.64	0.001143	1.20	7.89	6.24	0.29
ACQUAVIVA	20	Max WS	8.41	249.46	251.39		251.49	0.002231	1.53	7.08	10.23	0.40
ACQUAVIVA	19	Max WS	8.67	249.26	251.24		251.35	0.002256	1.55	6.93	10.66	0.40
ACQUAVIVA	18	Max WS	9.13	248.90	251.17		251.24	0.000999	1.14	8.85	9.28	0.28
ACQUAVIVA	17	Max WS	9.58	248.97	251.09		251.18	0.001220	1.42	8.19	6.62	0.34
ACQUAVIVA	16.9	Max WS	9.60	248.89	251.09	250.20	251.17	0.001023	1.34	8.76	6.83	0.31
ACQUAVIVA	16.5		Bridge									
ACQUAVIVA	16.1	Max WS	9.56	248.75	250.83		250.95	0.002075	1.54	6.74	5.79	0.39
ACQUAVIVA	16	Max WS	9.62	248.55	250.84		250.93	0.001314	1.33	8.00	6.04	0.32
ACQUAVIVA	15	Max WS	10.05	248.38	250.74		250.83	0.001543	1.45	7.96	7.25	0.33
ACQUAVIVA	14.82		Lat Struct									
ACQUAVIVA	14	Max WS	8.42	248.37	250.72		250.78	0.001044	1.16	8.44	7.81	0.27
ACQUAVIVA	13	Max WS	7.97	248.32	250.67		250.73	0.000970	1.11	8.04	6.67	0.26
ACQUAVIVA	12.81		Lat Struct									
ACQUAVIVA	12	Max WS	8.47	248.38	250.60		250.66	0.001044	1.18	8.18	6.54	0.27
ACQUAVIVA	11	Max WS	8.30	248.34	250.52		250.59	0.001215	1.25	7.88	10.06	0.30
ACQUAVIVA	10.9		Lat Struct									
ACQUAVIVA	10	Max WS	8.84	248.36	250.44		250.50	0.001033	1.16	8.55	9.04	0.29
ACQUAVIVA	9	Max WS	8.80	248.29	250.34		250.43	0.001592	1.40	7.51	8.70	0.34
ACQUAVIVA	8.81		Lat Struct									
ACQUAVIVA	8	Max WS	3.83	248.29	250.30		250.32	0.000380	0.68	6.51	6.17	0.16
ACQUAVIVA	7	Max WS	2.73	248.14	250.30		250.31	0.000132	0.42	7.15	4.87	0.10
ACQUAVIVA	6.81		Lat Struct									
ACQUAVIVA	6	Max WS	3.36	248.22	250.29		250.30	0.000143	0.43	9.53	8.76	0.10
ACQUAVIVA	5	Max WS	4.00	248.01	250.27		250.29	0.000202	0.53	8.91	7.09	0.12
ACQUAVIVA	4	Max WS	7.57	248.23	250.27		250.27	0.000035	0.33	44.98	142.47	0.09
ACQUAVIVA	3.9	Max WS	7.54	248.23	250.27	249.29	250.27	0.000035	0.33	44.90	142.35	0.09
ACQUAVIVA	3.5		Bridge									
ACQUAVIVA	3.1	Max WS	7.54	248.19	250.20		250.23	0.000194	0.77	15.60	56.93	0.21
ACQUAVIVA	3	Max WS	7.56	248.14	250.21		250.22	0.000139	0.67	21.48	108.11	0.18
ACQUAVIVA	2	Max WS	7.76	248.11	250.19		250.20	0.000256	0.54	19.94	29.82	0.14
ACQUAVIVA	1	Max WS	7.75	248.19	250.17	249.21	250.18	0.000205	0.48	29.98	93.82	0.13



ALLEGATI

MODELLAZIONE HEC-RAS 5.0.3 "Salcheto Acquaviva"

TORRENTE CIARLIANA

MODELLAZIONE PER TR=30 e 200 ANNI

DURATA DI PIOGGIA: 3h

Profilo longitudinale

Sezioni Trasversali

Dati idraulici



ALLEGATI

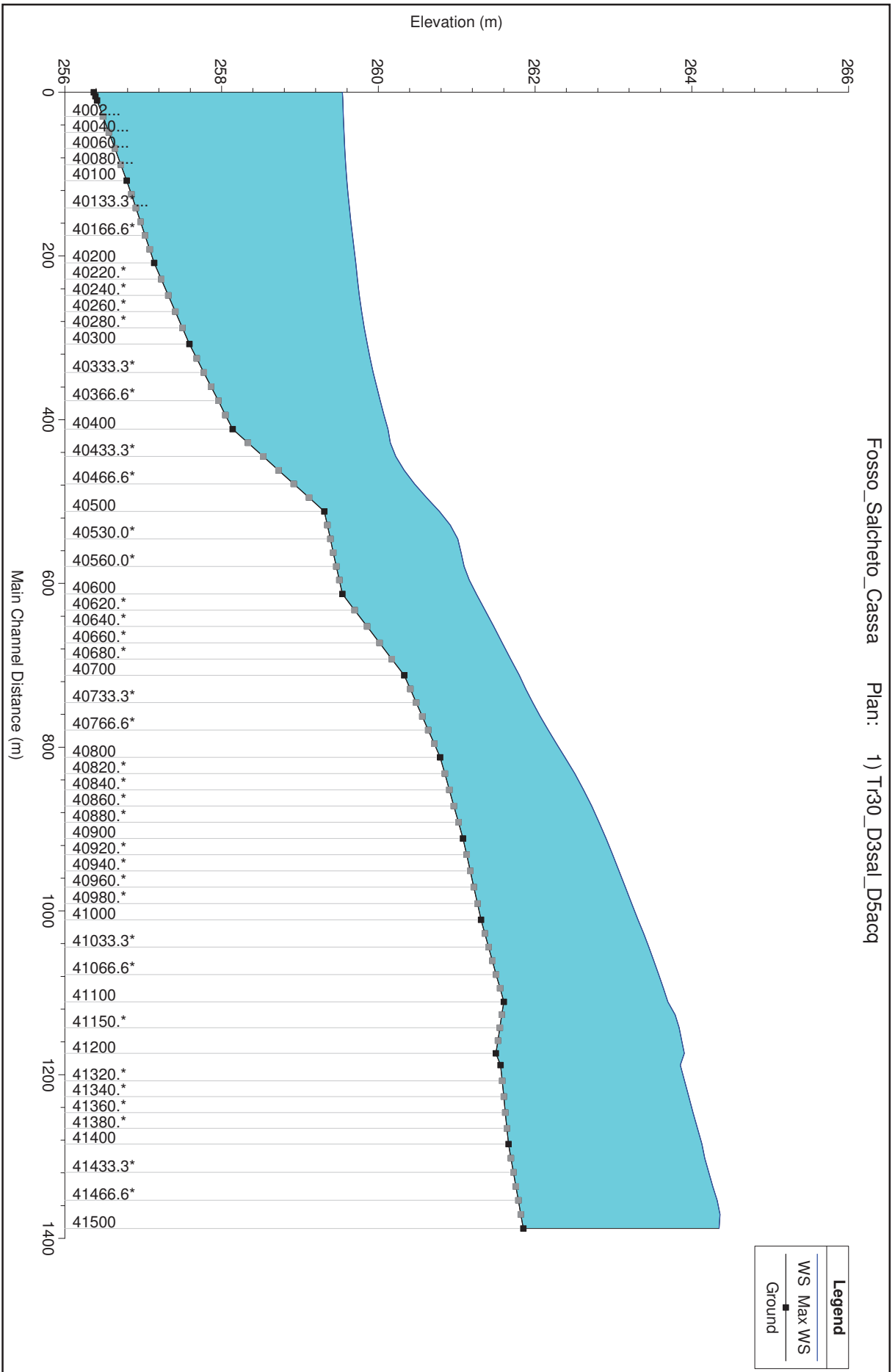
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TORRENTE CIARLIANA

MODELLAZIONE PER TR=30 anni

DURATE DI PIOGGIA: 3h

Profilo longitudinale





ALLEGATI

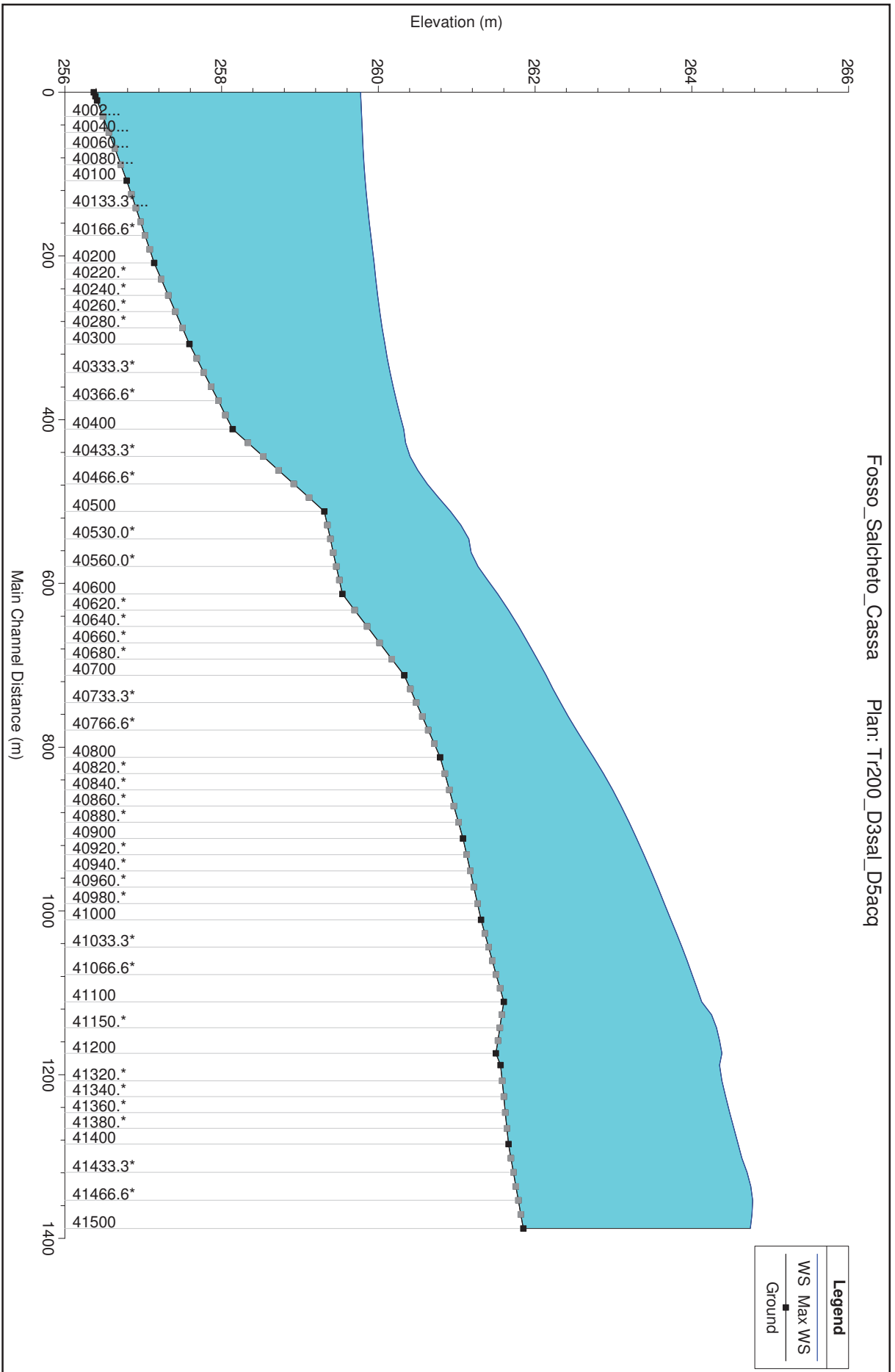
MODELLAZIONE HEC-RAS 5.0.3 "Salcheto Acquaviva"

TORRENTE CIARLIANA

MODELLAZIONE PER TR=200 anni

DURATE DI PIOGGIA: 3h

Profilo longitudinale





ALLEGATI

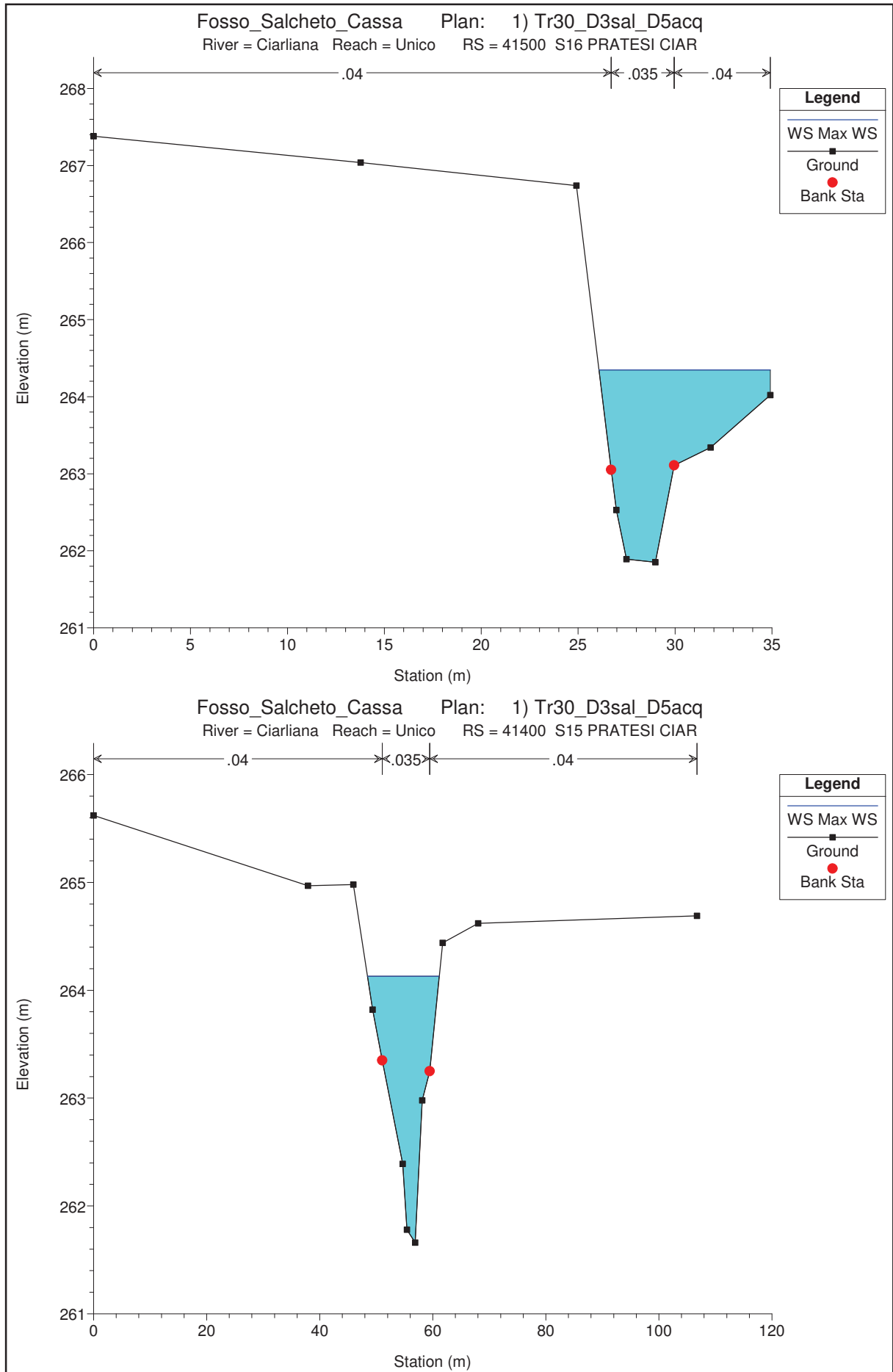
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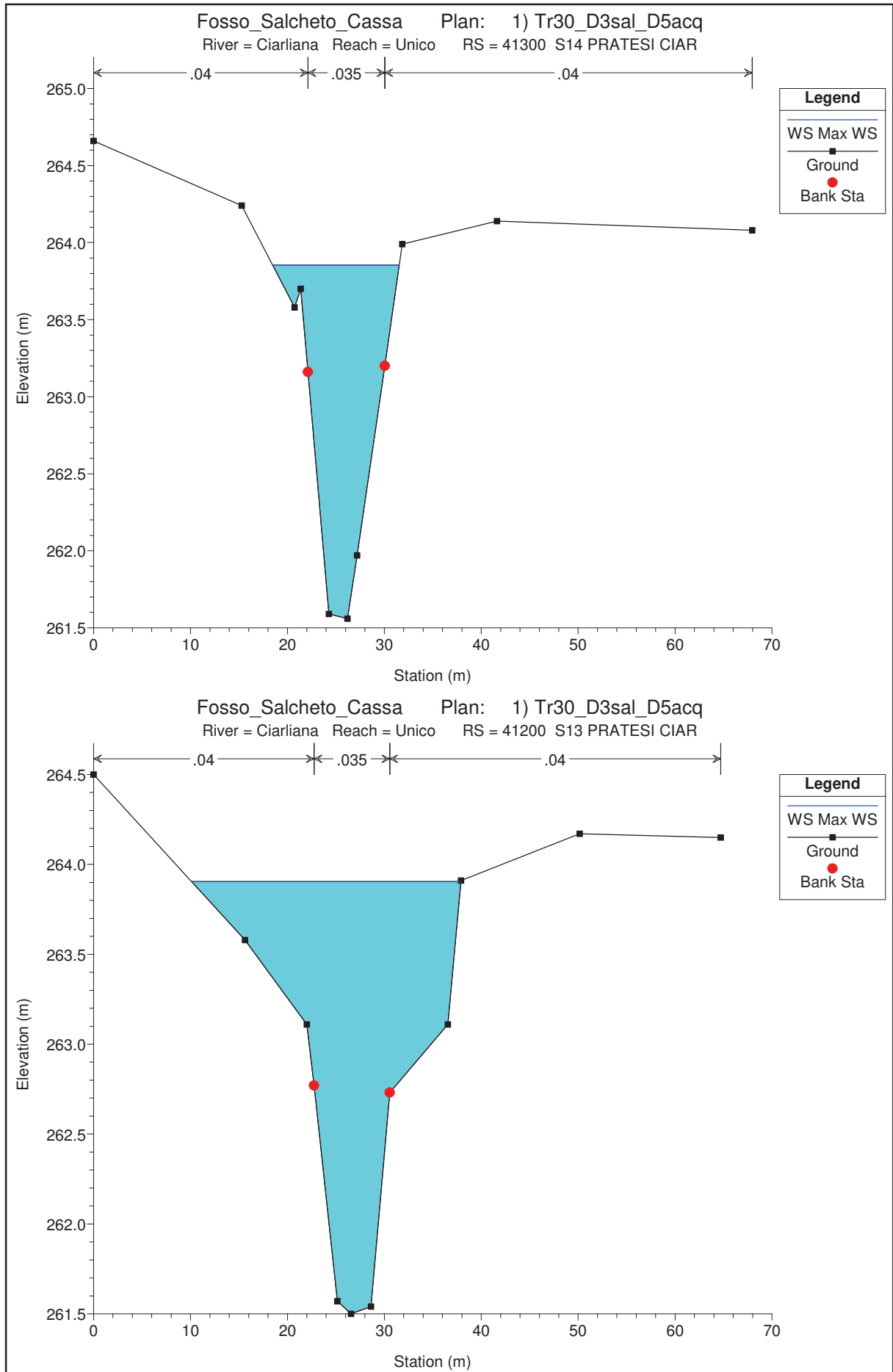
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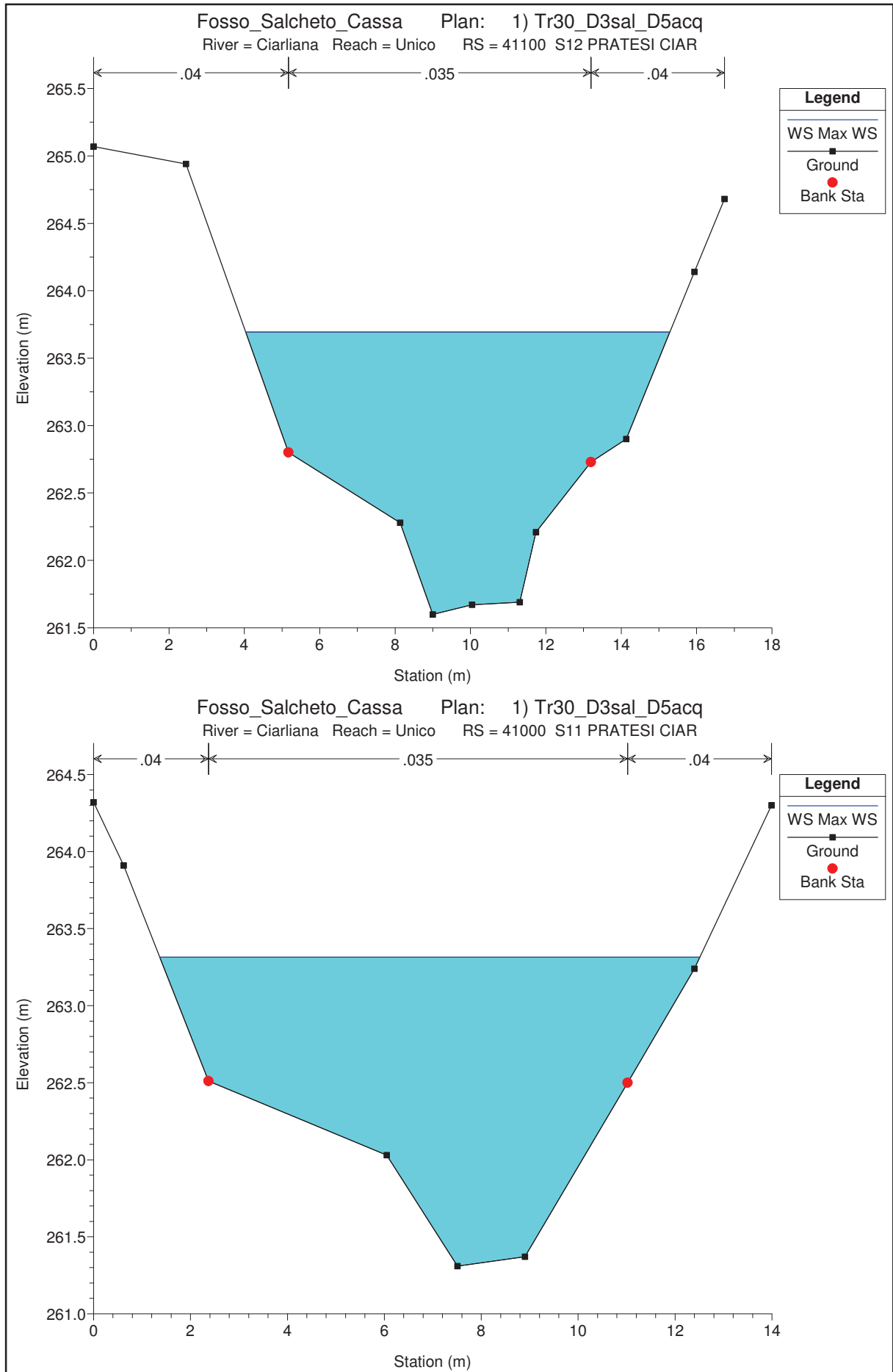
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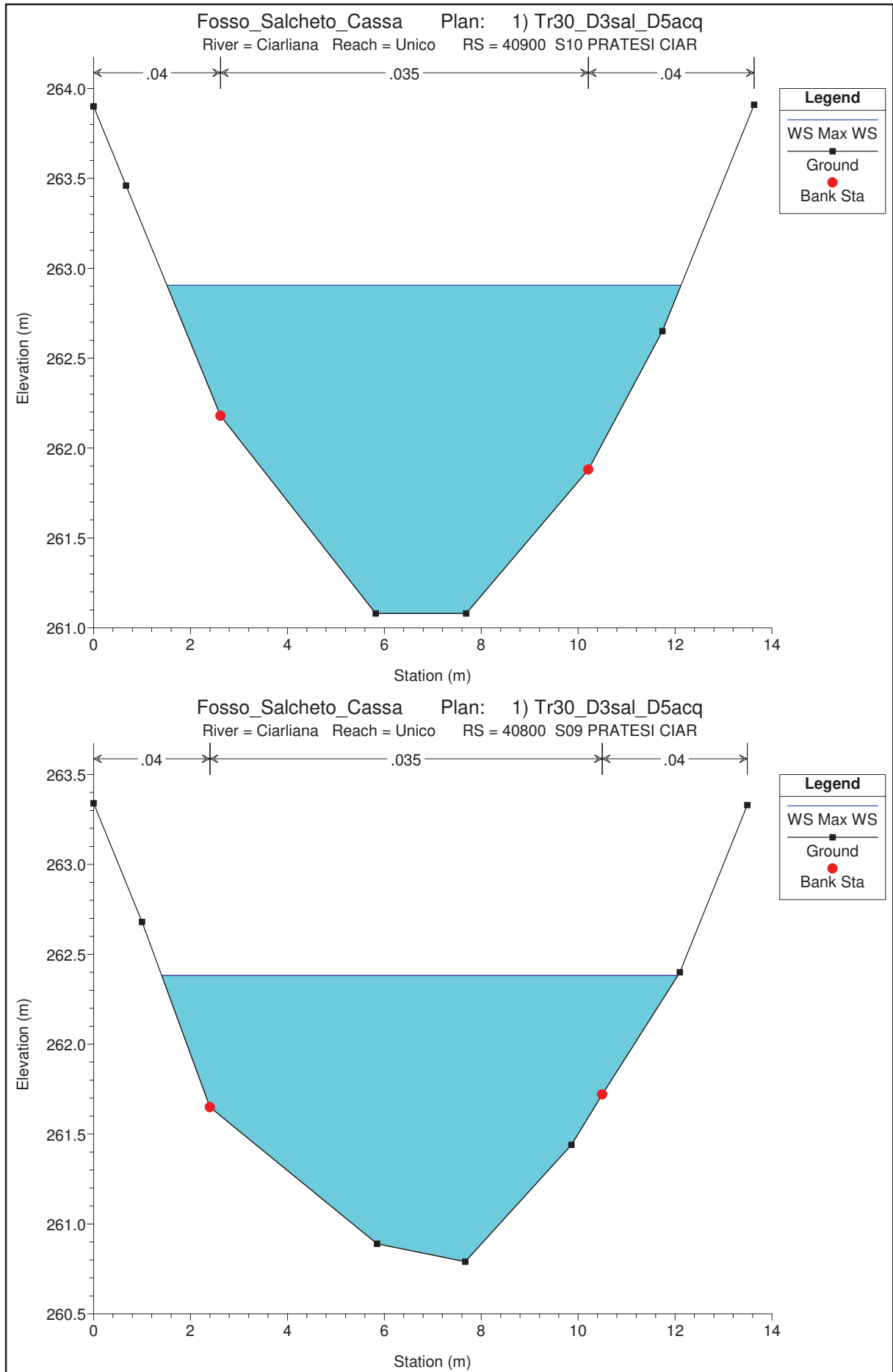
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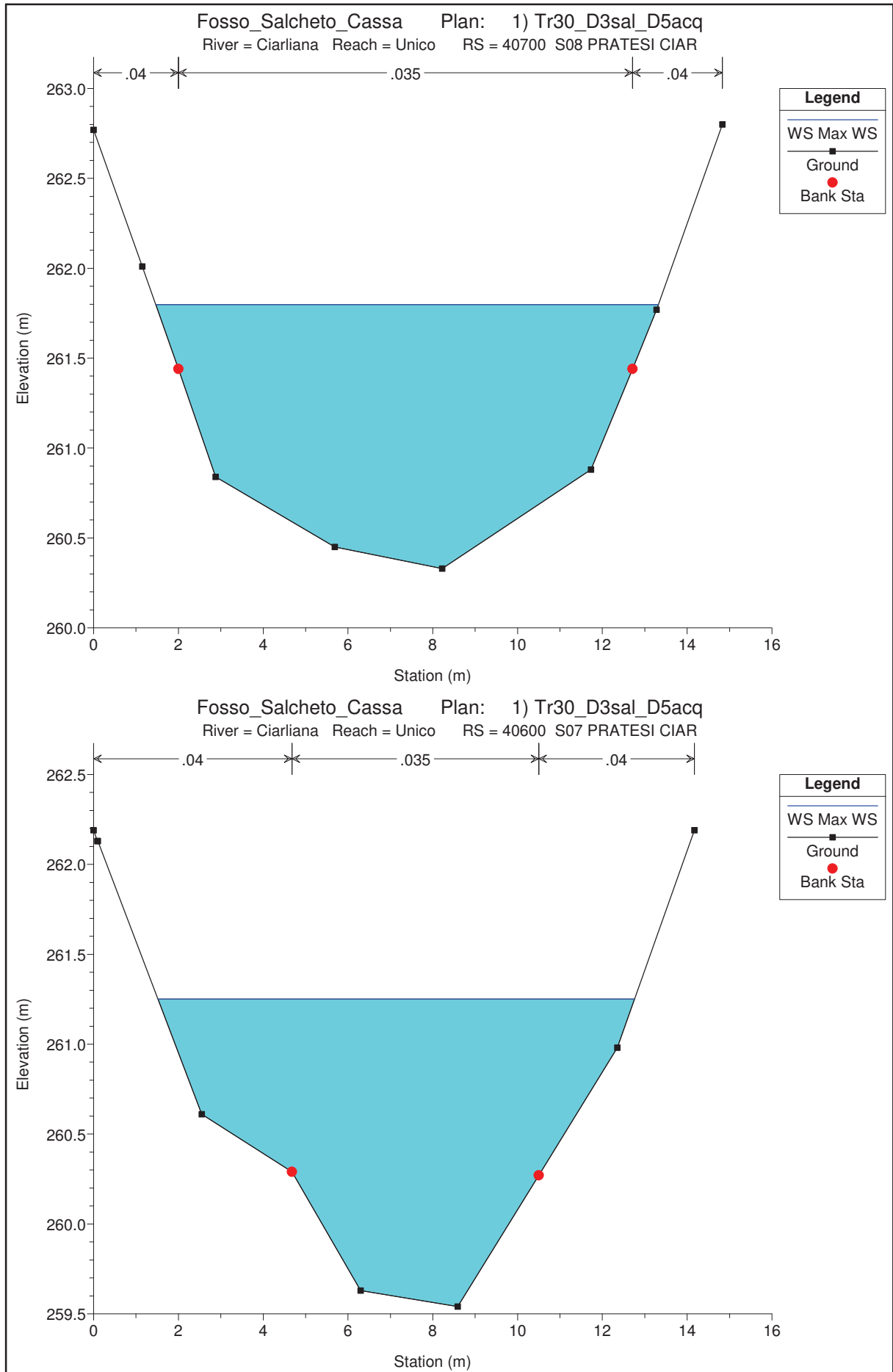
Sezioni Trasversali (da monte verso valle)

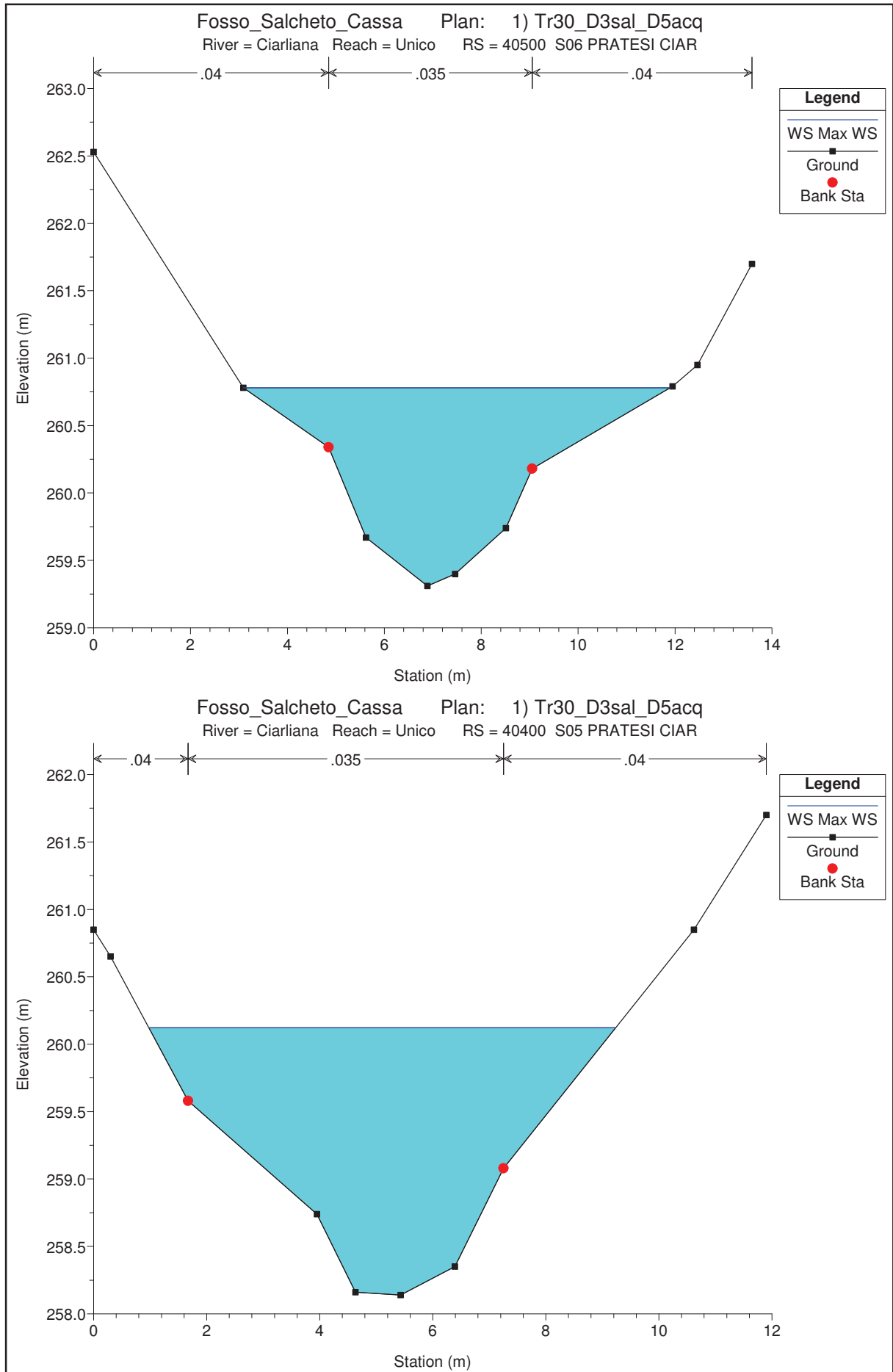


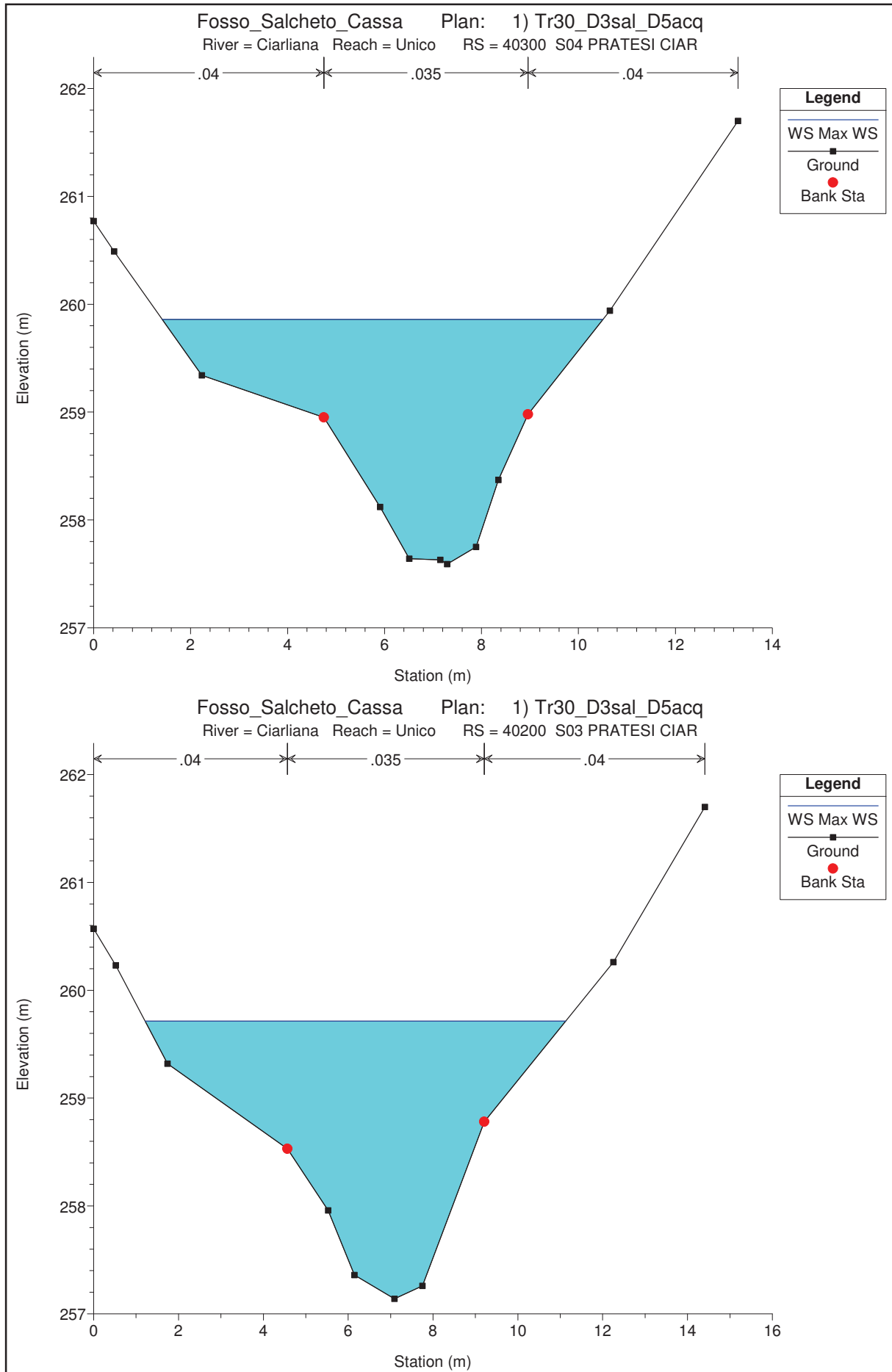


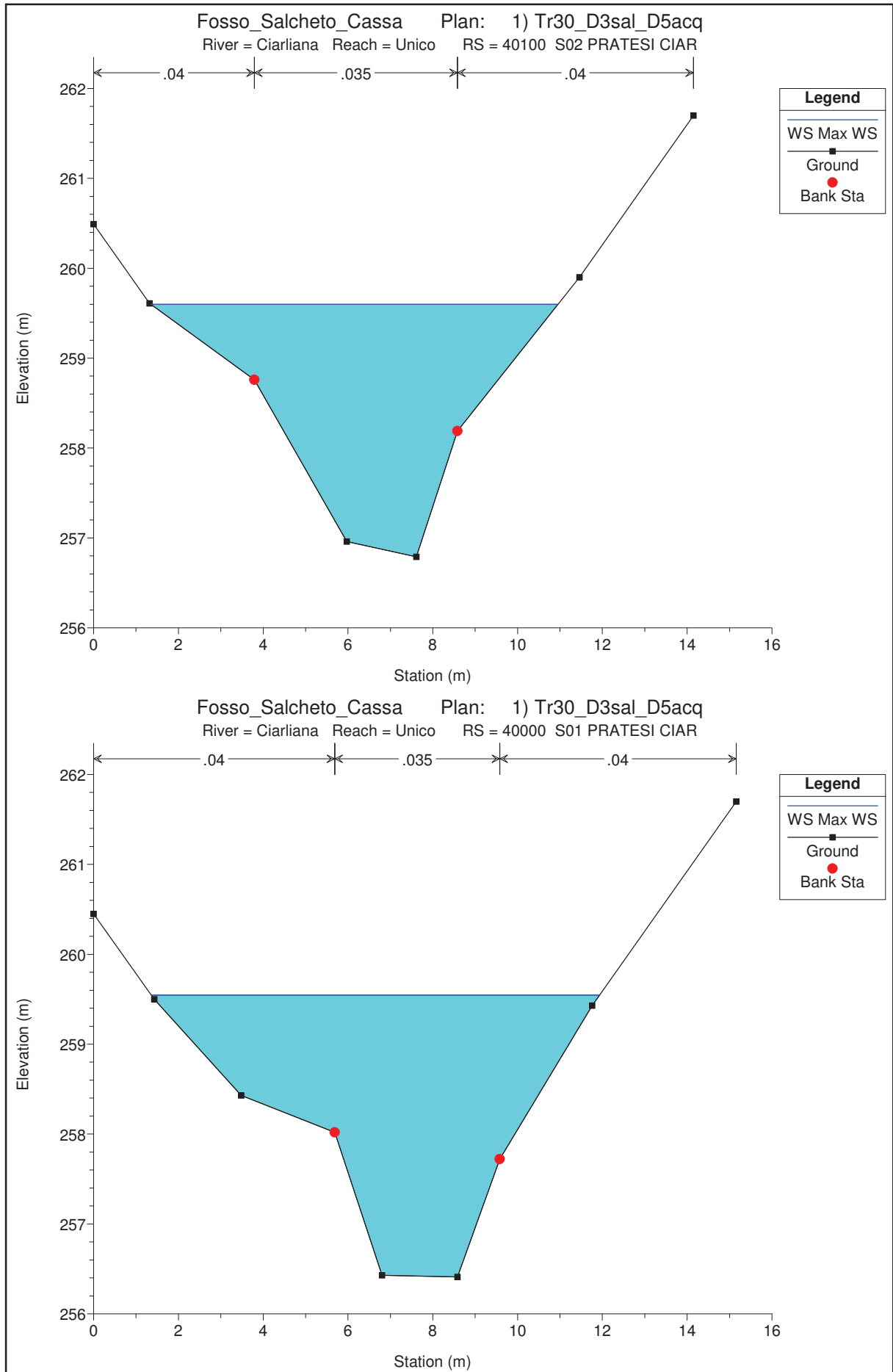


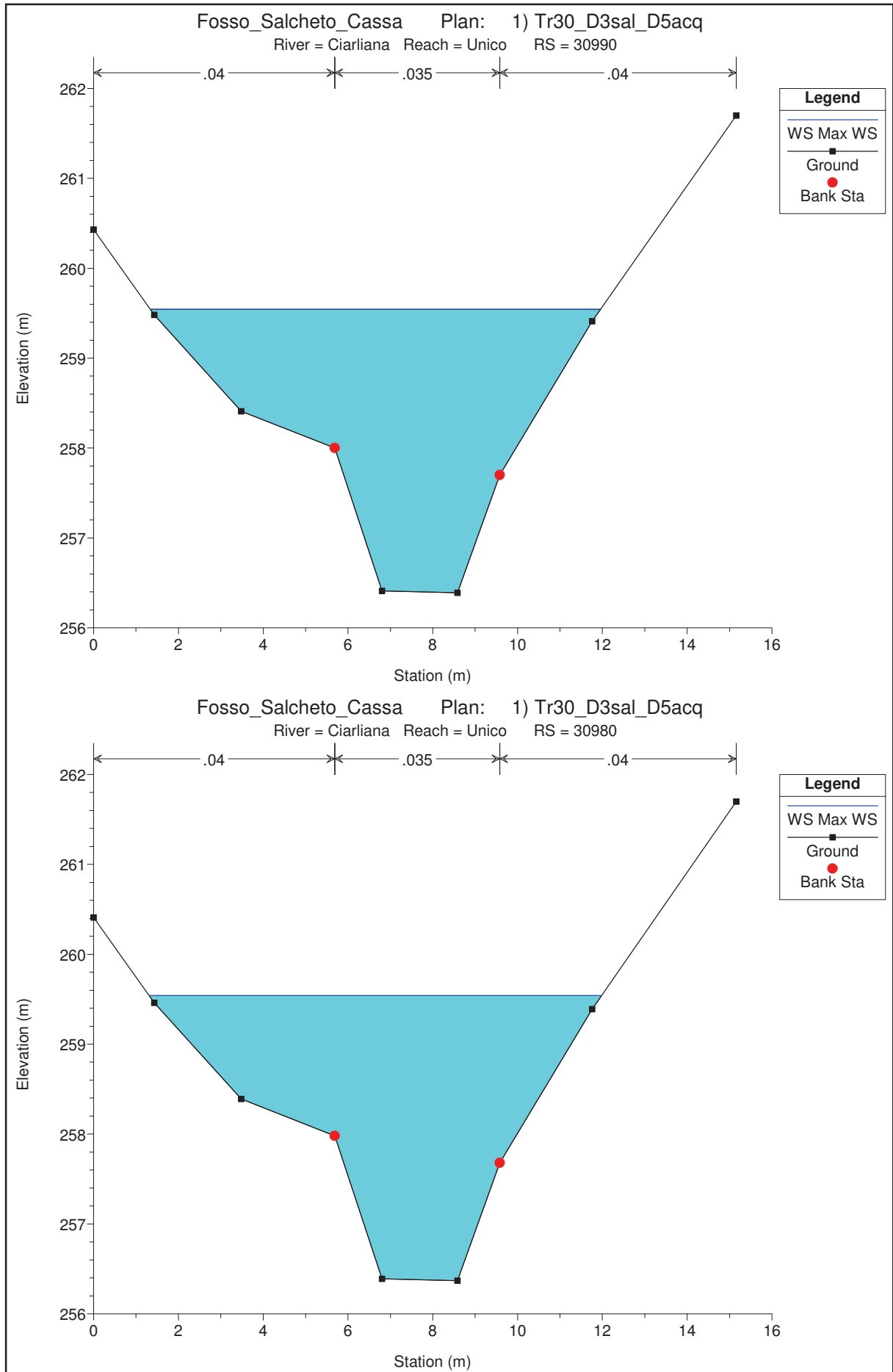














ALLEGATI

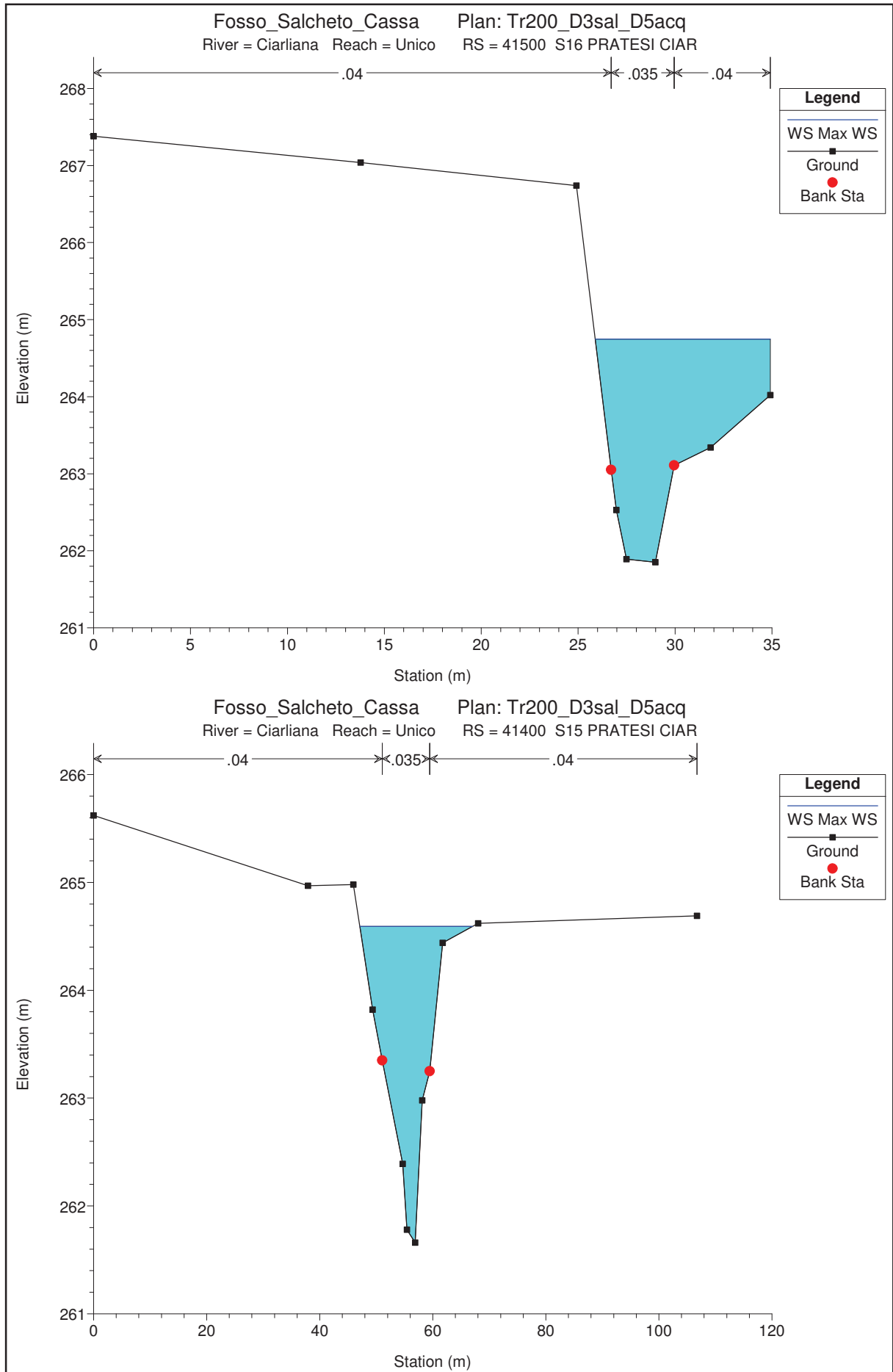
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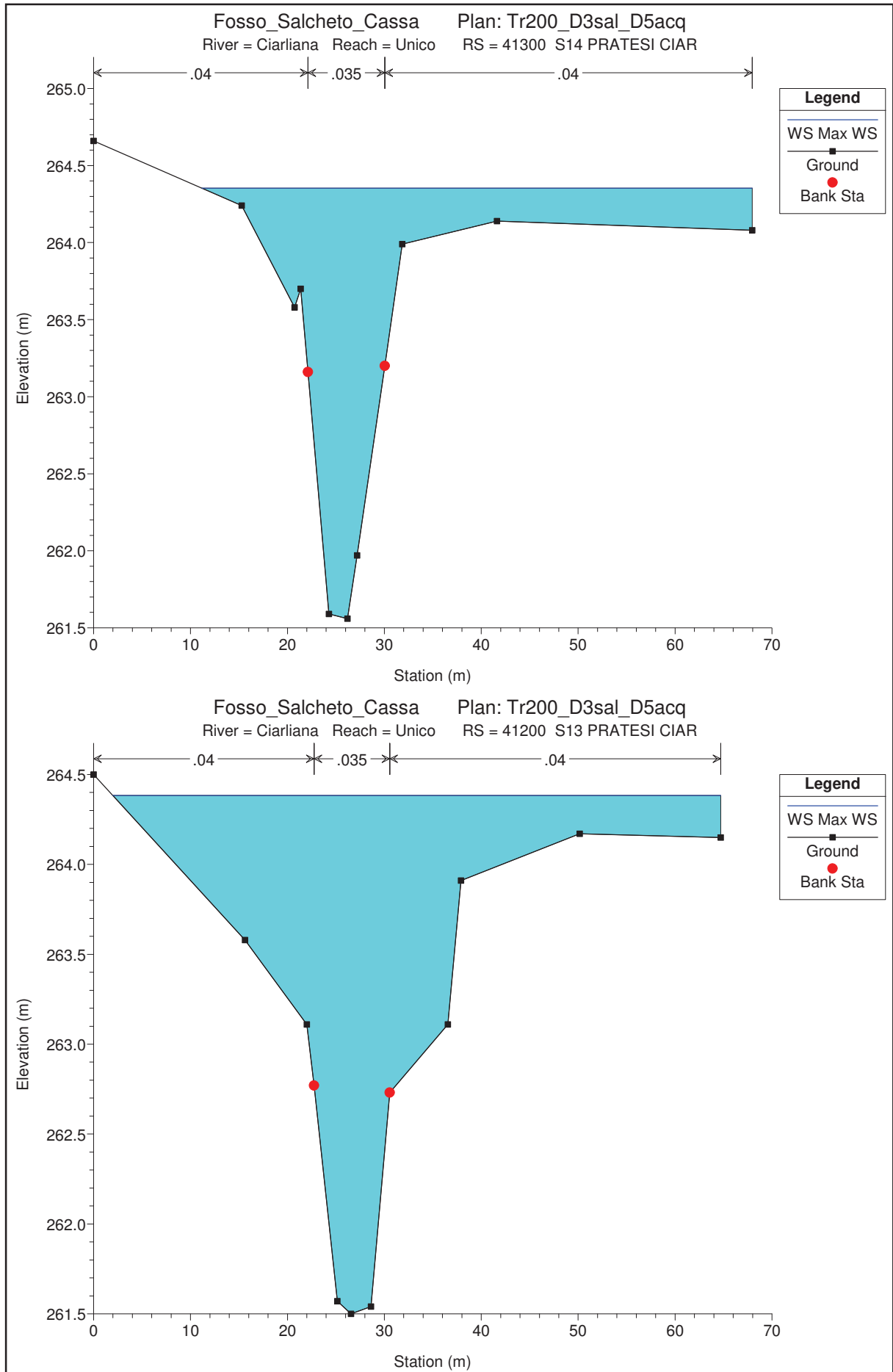
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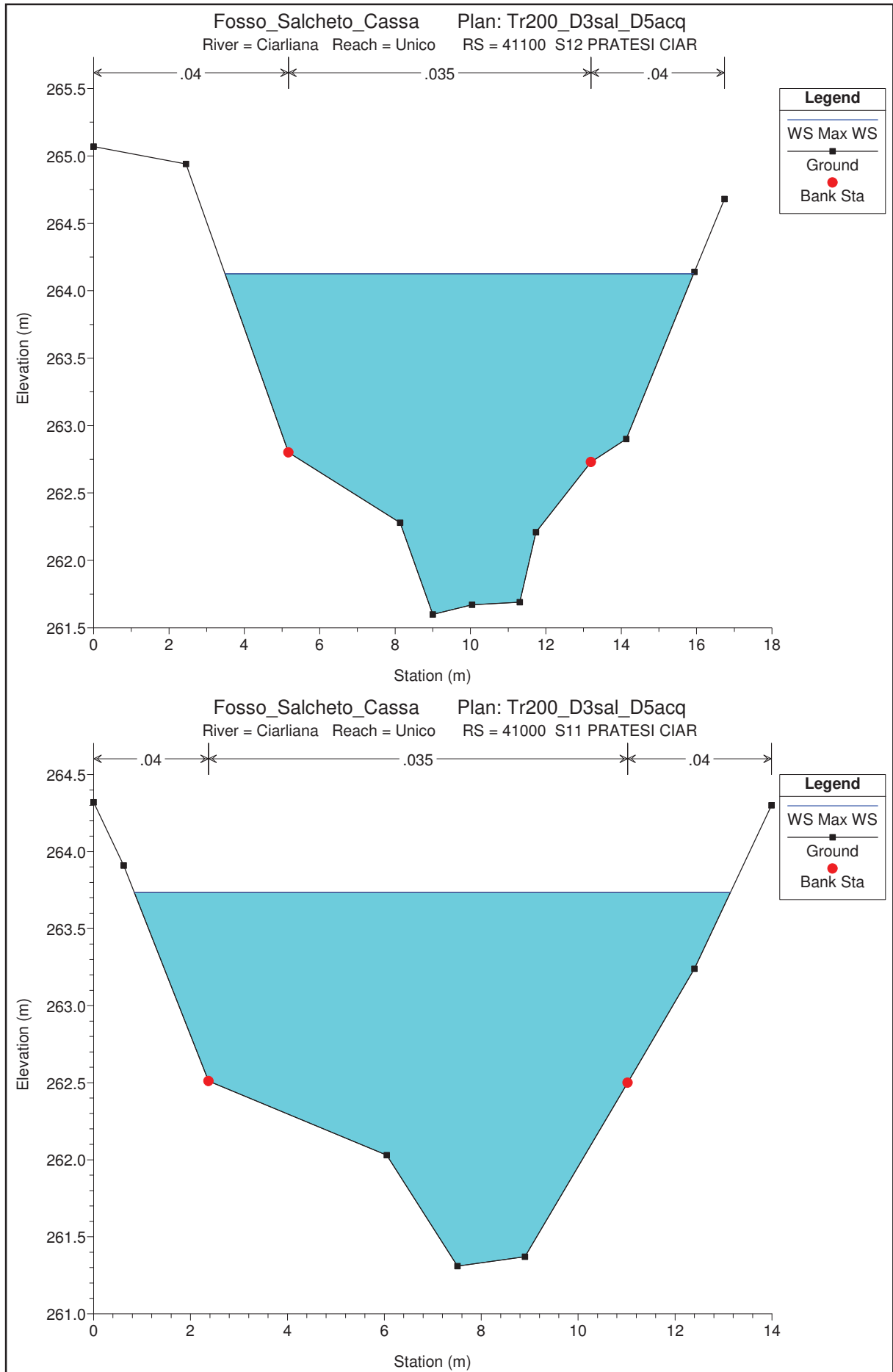
MODELLAZIONE PER TR=200 anni

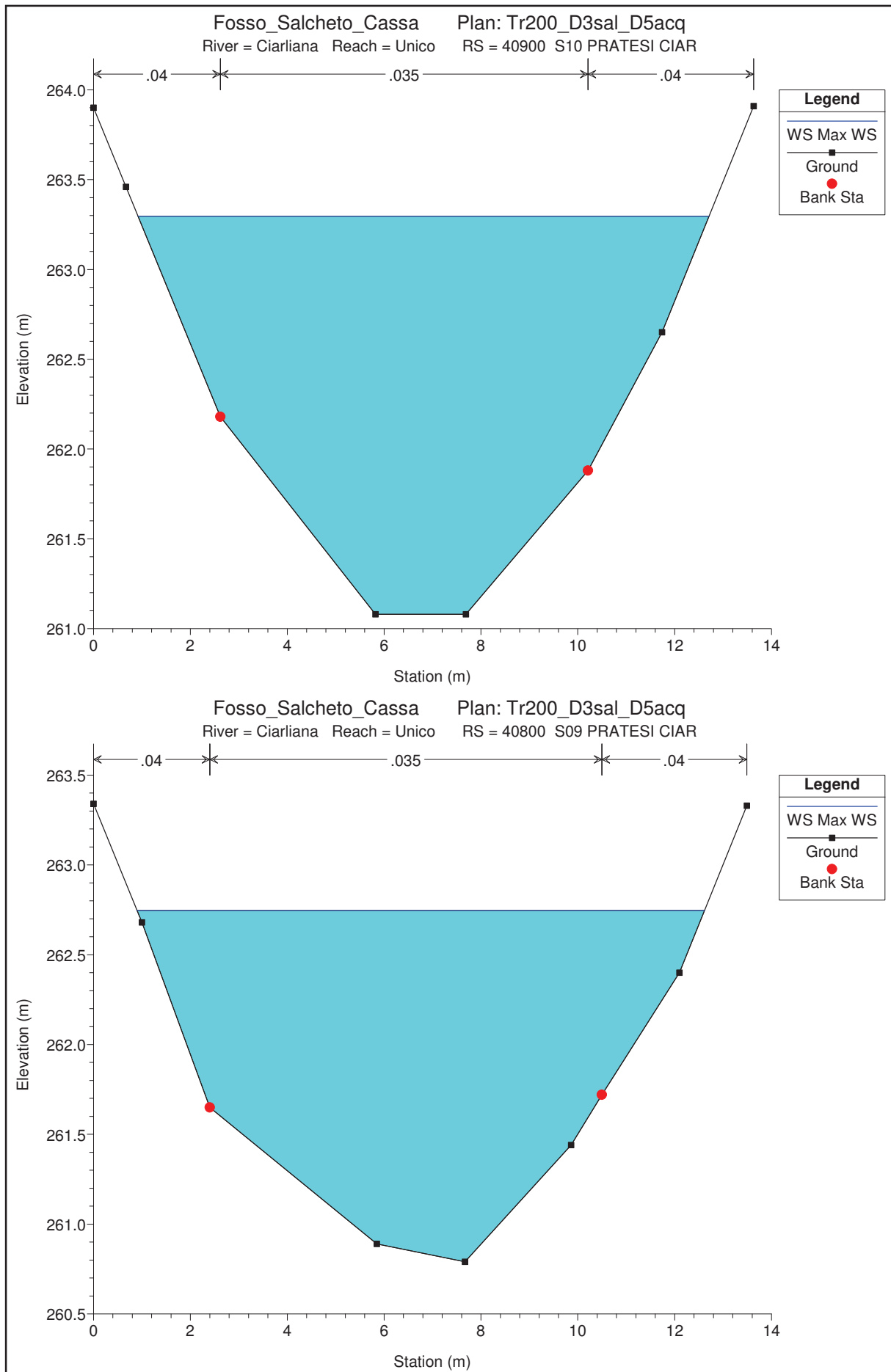
DURATE DI PIOGGIA: 3h

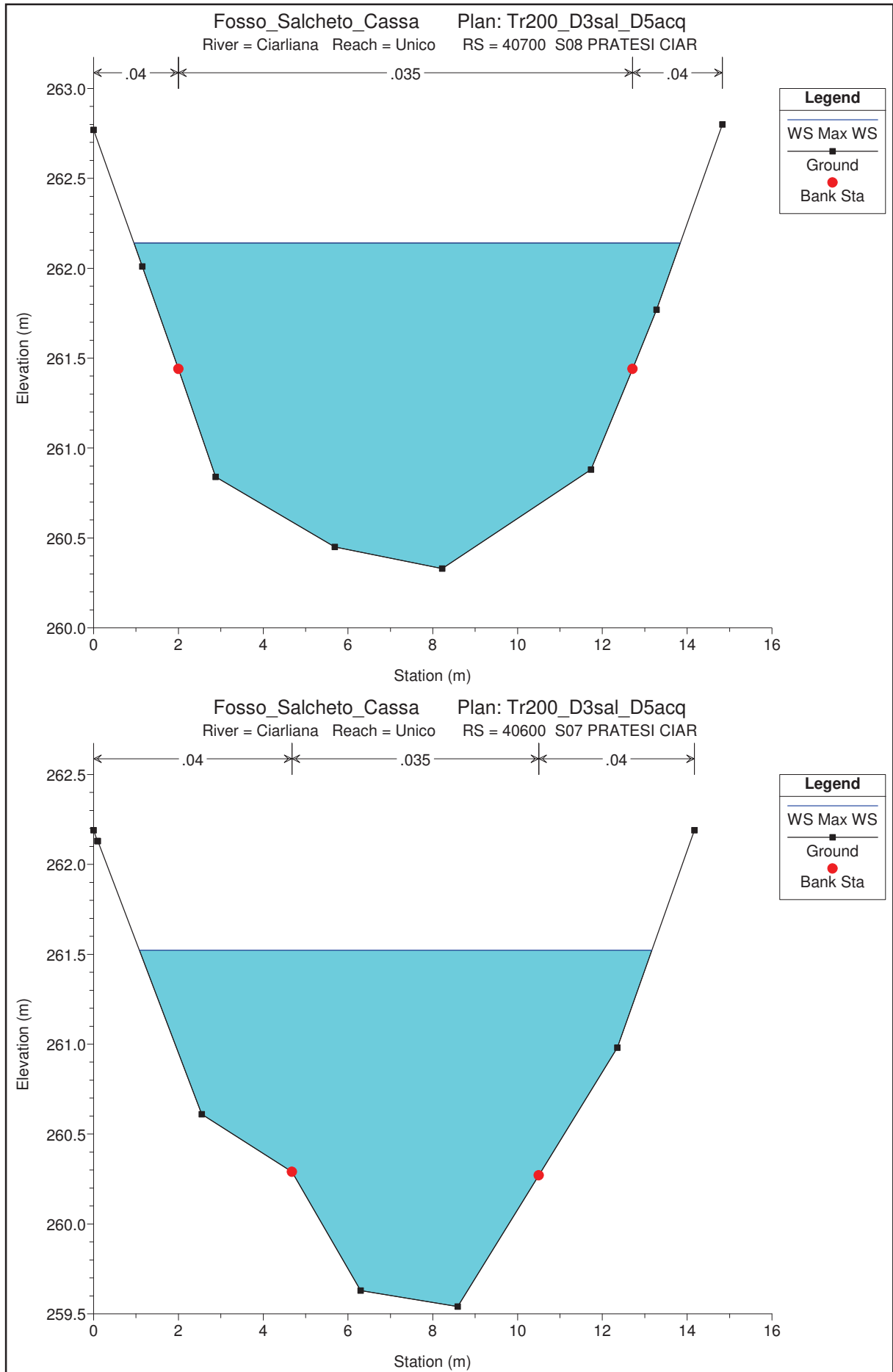
Sezioni Trasversali (da monte verso valle)

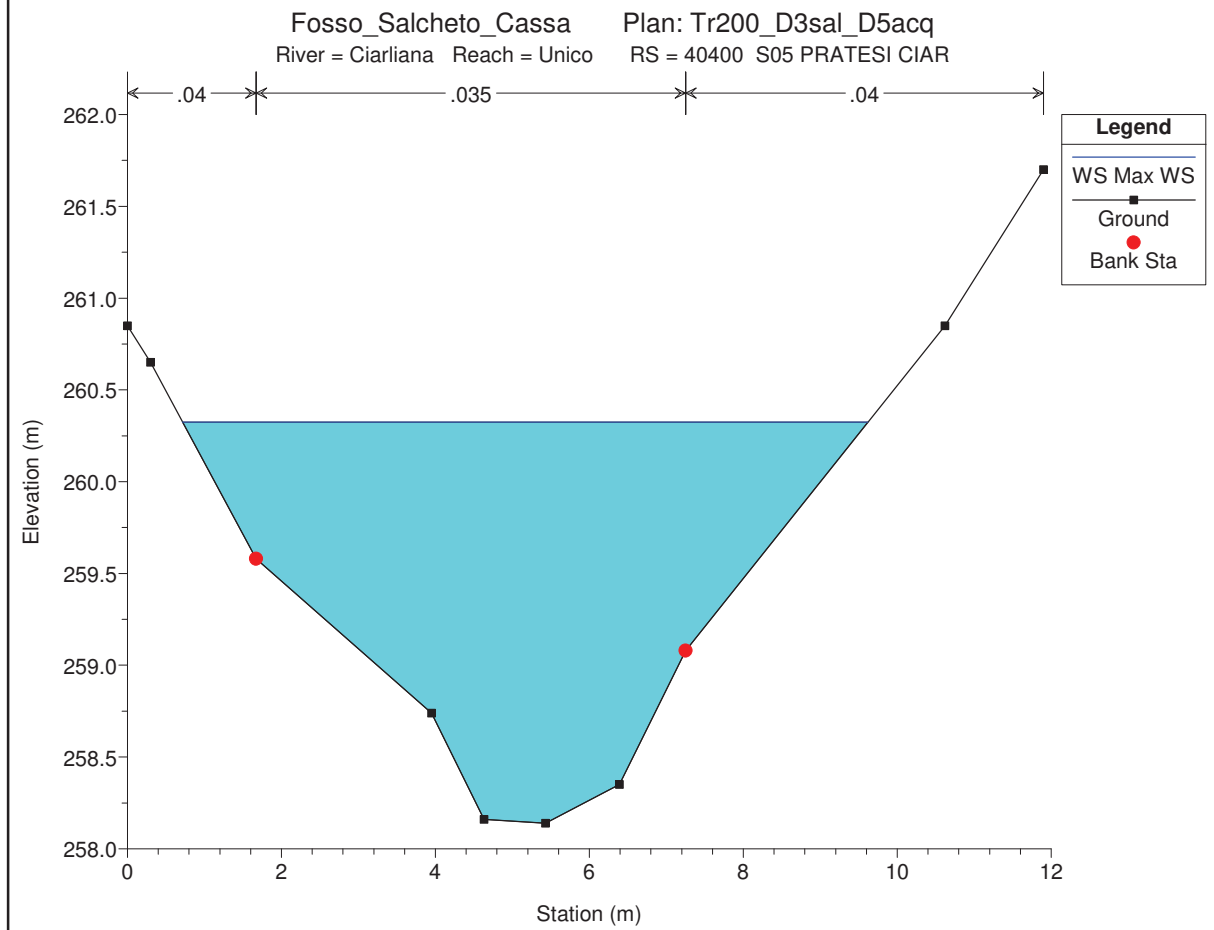
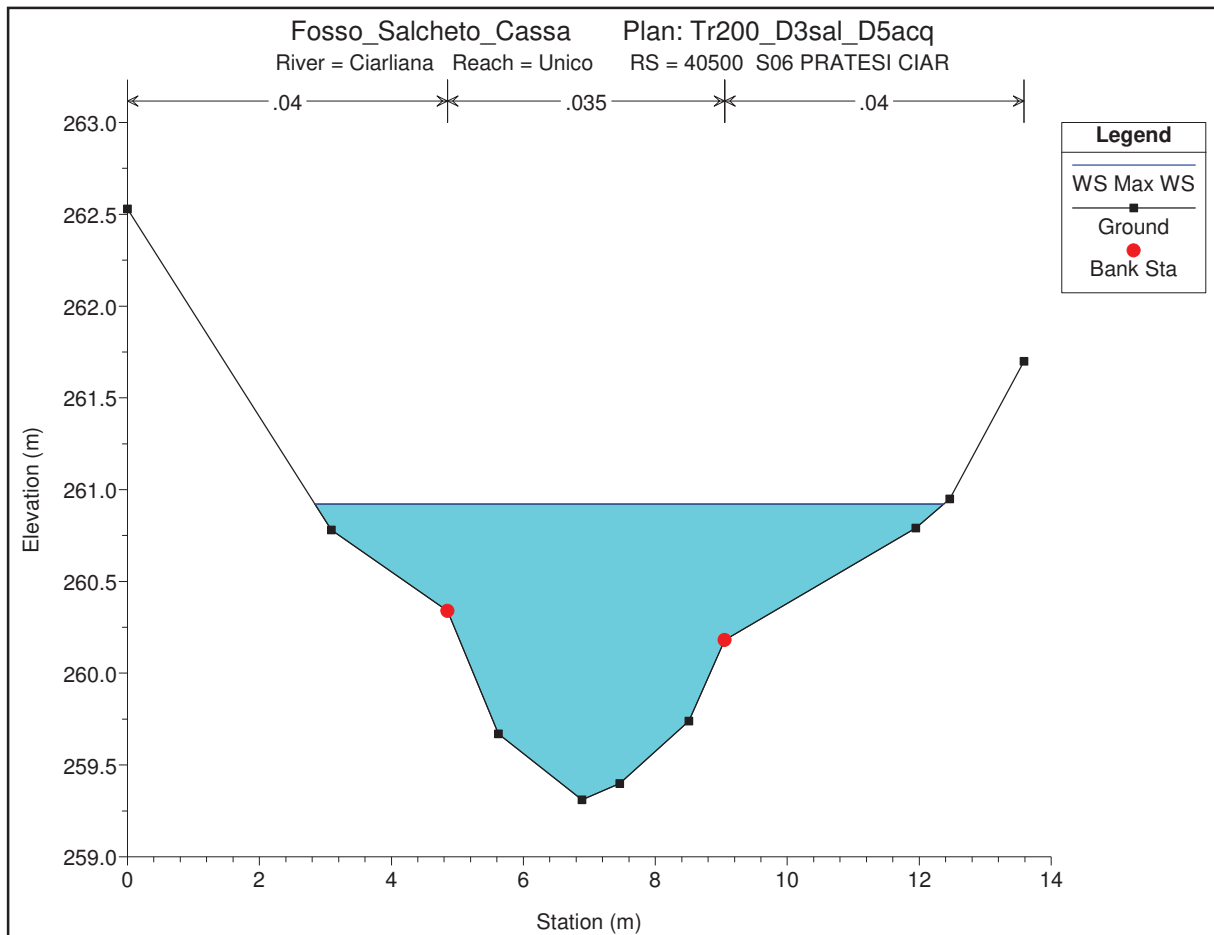


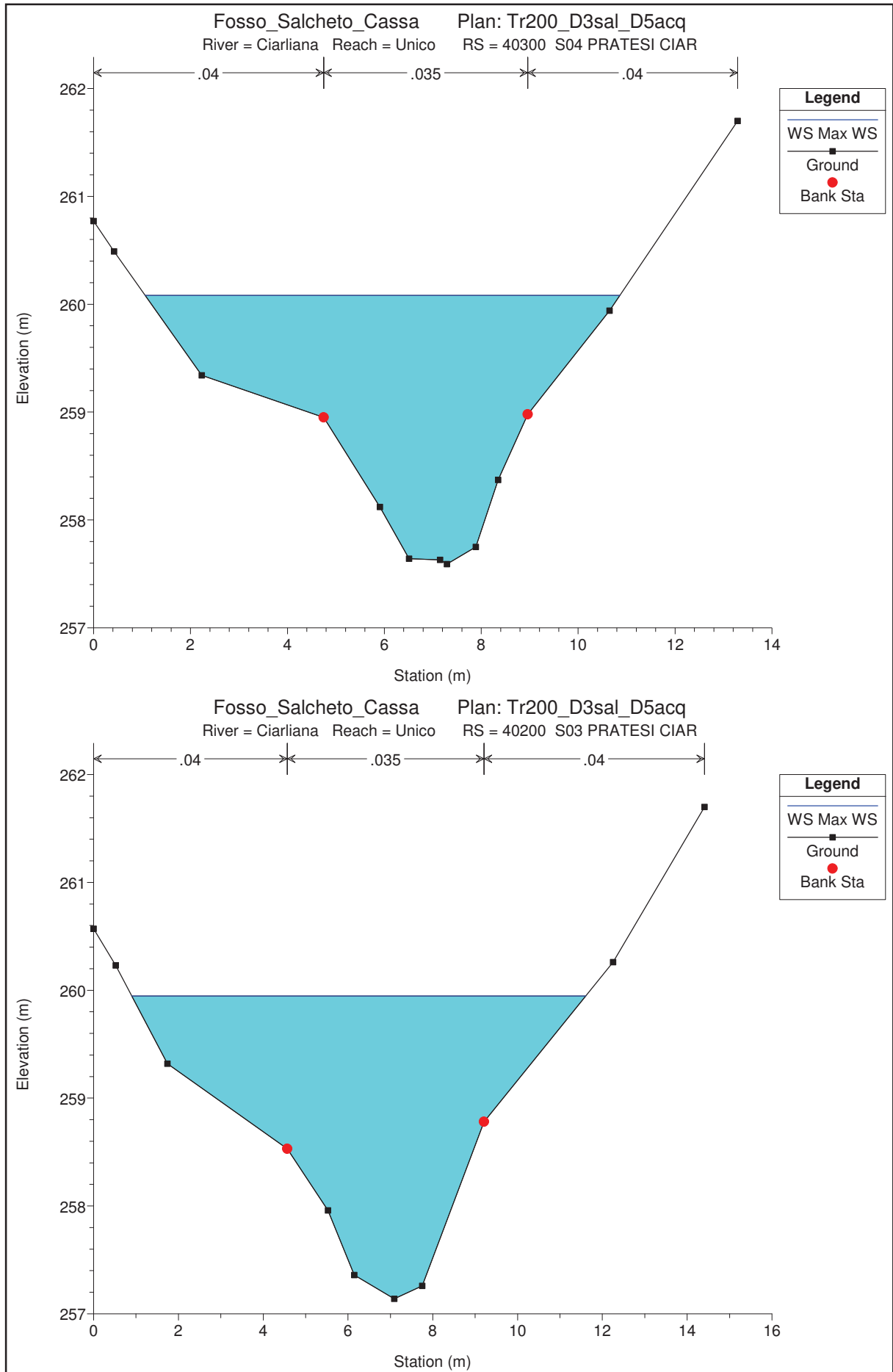


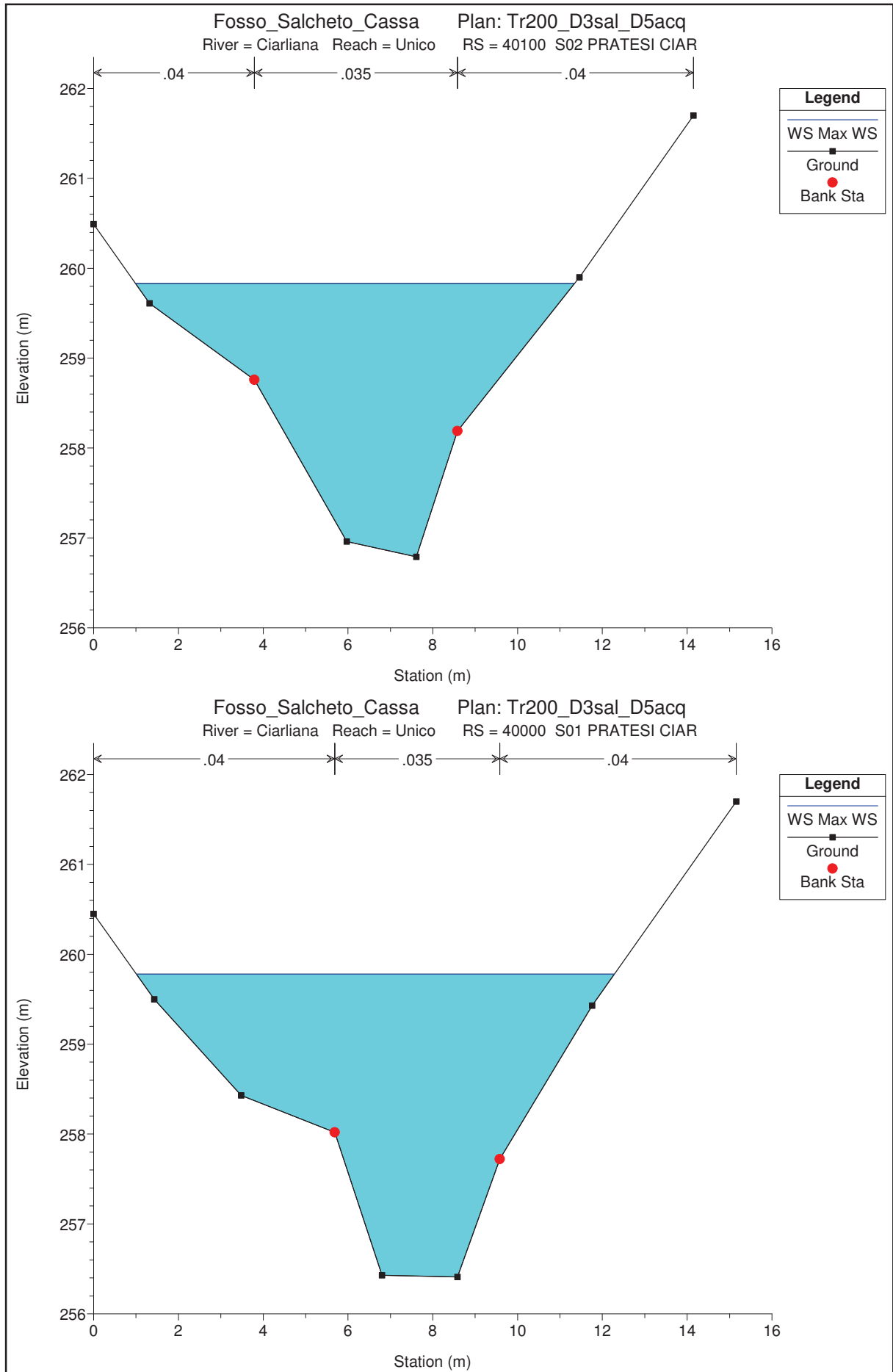


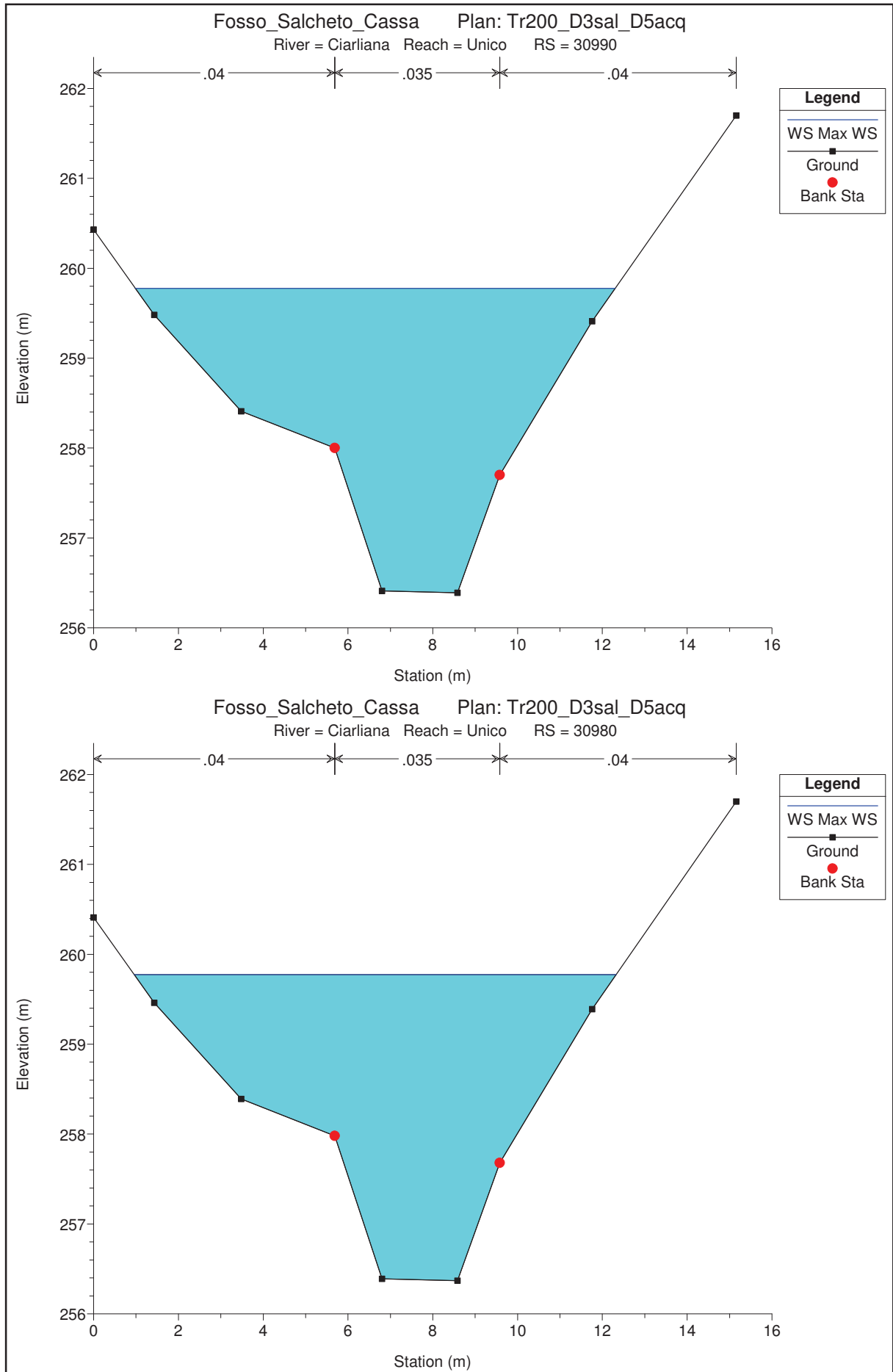














ALLEGATI

MODELLAZIONE HEC-RAS 5.0.3 "Salcheto Acquaviva"

TORRENTE CIARLIANA

MODELLAZIONE PER TR=30 anni

DURATE DI PIOGGIA: 3h

Dati idraulici

HEC-RAS Plan: Tr30_D3sal_D5acq River: Ciarliana Reach: Unico Profile: Max WS

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Unico	41500	Max WS	26.70	261.85	264.35		264.68	0.005386	2.83	11.62	8.83	0.61
Unico	41400	Max WS	26.69	261.66	264.13		264.31	0.002883	1.93	14.98	12.69	0.49
Unico	41300	Max WS	26.69	261.56	263.85		264.05	0.002728	1.97	14.50	13.05	0.49
Unico	41200	Max WS	26.69	261.50	263.90		263.97	0.000871	1.28	27.46	27.79	0.29
Unico	41100	Max WS	26.69	261.60	263.69		263.90	0.003299	2.06	13.96	11.25	0.53
Unico	41000	Max WS	26.69	261.31	263.31		263.55	0.004056	2.17	12.94	11.15	0.59
Unico	40900	Max WS	26.68	261.08	262.90		263.16	0.004095	2.29	12.51	10.61	0.61
Unico	40800	Max WS	26.68	260.79	262.38		262.72	0.006587	2.61	10.81	10.65	0.75
Unico	40700	Max WS	26.68	260.33	261.80		262.04	0.005151	2.18	12.39	11.86	0.65
Unico	40600	Max WS	26.68	259.54	261.25		261.57	0.005582	2.66	11.72	11.24	0.70
Unico	40590	Lat Struct										
Unico	40500	Max WS	15.17	259.31	260.78	260.80	261.18	0.010262	2.91	6.00	8.81	0.87
Unico	40400	Max WS	15.15	258.14	260.12		260.28	0.002873	1.80	9.15	8.26	0.48
Unico	40300	Max WS	15.15	257.59	259.86		260.00	0.002463	1.77	10.01	9.09	0.43
Unico	40200	Max WS	15.15	257.14	259.71		259.81	0.001350	1.43	12.36	9.91	0.33
Unico	40100	Max WS	15.14	256.79	259.60		259.68	0.001097	1.33	12.99	9.60	0.29
Unico	40000	Max WS	15.14	256.41	259.55		259.60	0.000605	1.11	16.86	10.57	0.21
Unico	30990	Max WS	15.14	256.39	259.54		259.60	0.000588	1.10	17.05	10.63	0.21
Unico	30980	Max WS	15.14	256.37	259.54		259.59	0.000571	1.09	17.25	10.68	0.21



ALLEGATI

MODELLAZIONE HEC-RAS 5.0.3 "Salcheto Acquaviva"

TORRENTE CIARLIANA

MODELLAZIONE PER TR=200 anni

DURATE DI PIOGGIA: 3h

Dati idraulici

HEC-RAS Plan: Tr200_D3sal_D5acq River: Ciarliana Reach: Unico Profile: Max WS

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Unico	41500	Max WS	42.87	261.85	264.75		265.24	0.006566	3.50	15.18	9.03	0.70
Unico	41400	Max WS	42.81	261.66	264.59		264.84	0.002887	2.29	21.75	19.95	0.51
Unico	41300	Max WS	42.79	261.56	264.35		264.54	0.002122	2.06	31.57	56.78	0.45
Unico	41200	Max WS	42.79	261.50	264.38		264.46	0.000816	1.43	50.17	62.74	0.29
Unico	41100	Max WS	42.78	261.60	264.13		264.42	0.003442	2.49	19.08	12.43	0.57
Unico	41000	Max WS	42.78	261.31	263.73		264.06	0.004073	2.60	17.85	12.30	0.62
Unico	40900	Max WS	42.78	261.08	263.30		263.67	0.004471	2.81	16.90	11.79	0.66
Unico	40800	Max WS	42.78	260.79	262.75		263.22	0.006693	3.12	14.90	11.72	0.79
Unico	40700	Max WS	42.78	260.33	262.14		262.50	0.005371	2.66	16.65	12.89	0.70
Unico	40600	Max WS	42.78	259.54	261.52		262.04	0.007370	3.43	14.90	12.09	0.83
Unico	40590	Lat Struct										
Unico	40500	Max WS	18.80	259.31	260.92	260.94	261.35	0.009692	3.06	7.30	9.53	0.87
Unico	40400	Max WS	18.80	258.14	260.32		260.50	0.002726	1.91	10.88	8.90	0.48
Unico	40300	Max WS	18.79	257.59	260.08		260.23	0.002294	1.86	12.13	9.80	0.42
Unico	40200	Max WS	18.77	257.14	259.95		260.05	0.001305	1.52	14.77	10.71	0.33
Unico	40100	Max WS	18.69	256.79	259.83		259.92	0.001100	1.43	15.32	10.36	0.30
Unico	40000	Max WS	18.64	256.41	259.78		259.84	0.000639	1.20	19.40	11.27	0.22
Unico	30990	Max WS	18.64	256.39	259.78		259.83	0.000622	1.19	19.60	11.32	0.22
Unico	30980	Max WS	18.63	256.37	259.77		259.83	0.000605	1.18	19.81	11.37	0.22



ALLEGATI

MODELLAZIONE HEC-RAS 5.0.3 "Salcheto Acquaviva"

FOSSO MARMO

MODELLAZIONE PER TR=30 e 200 ANNI

DURATA DI PIOGGIA: 3h

Profilo longitudinale

Sezioni Trasversali

Dati idraulici



ALLEGATI

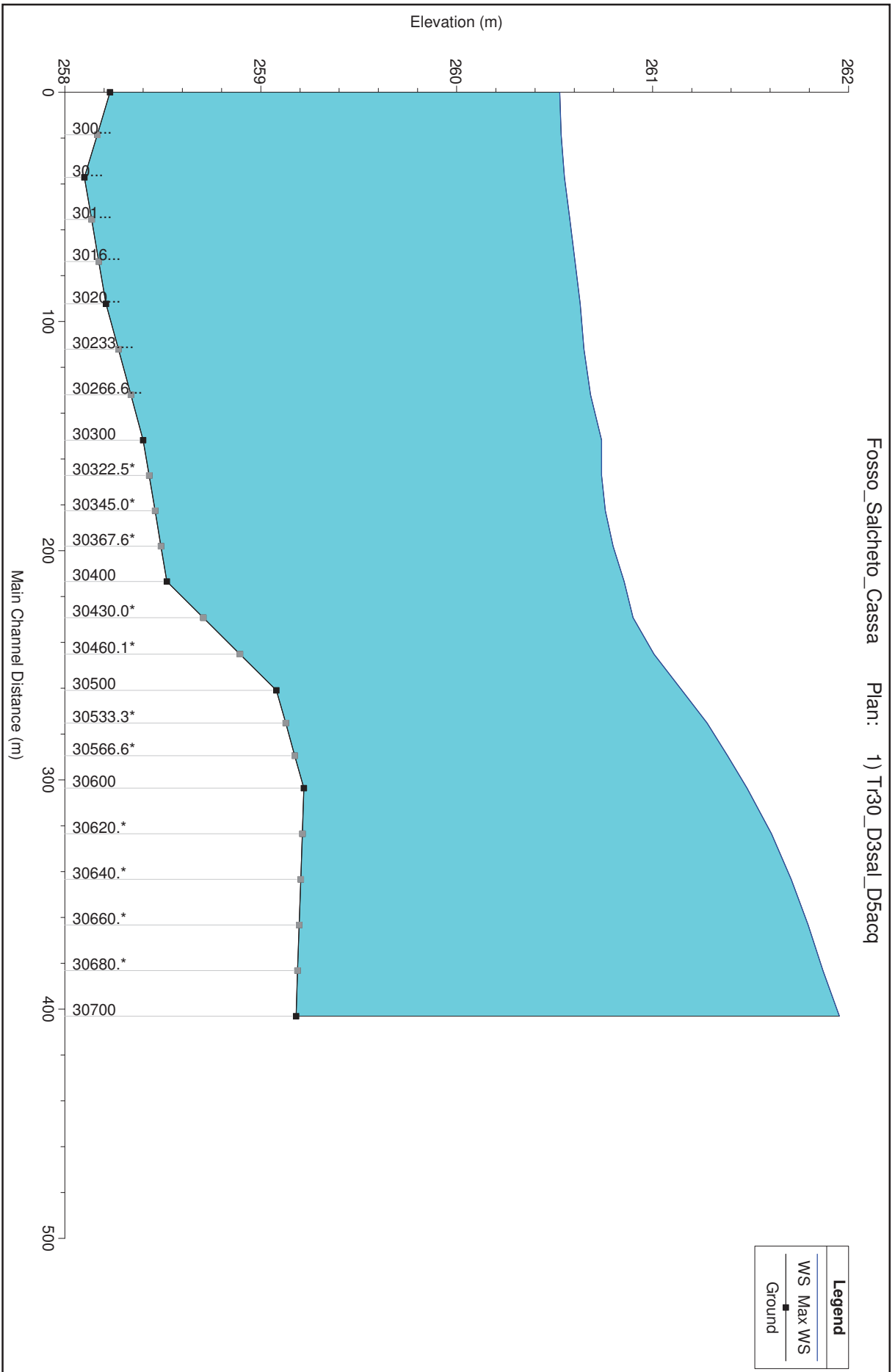
MODELLAZIONE HEC-RAS 5.0.3 "Salcheto Acquaviva"

FOSSO MARMO

MODELLAZIONE PER TR=30 anni

DURATE DI PIOGGIA: 3h

Profilo longitudinale





ALLEGATI

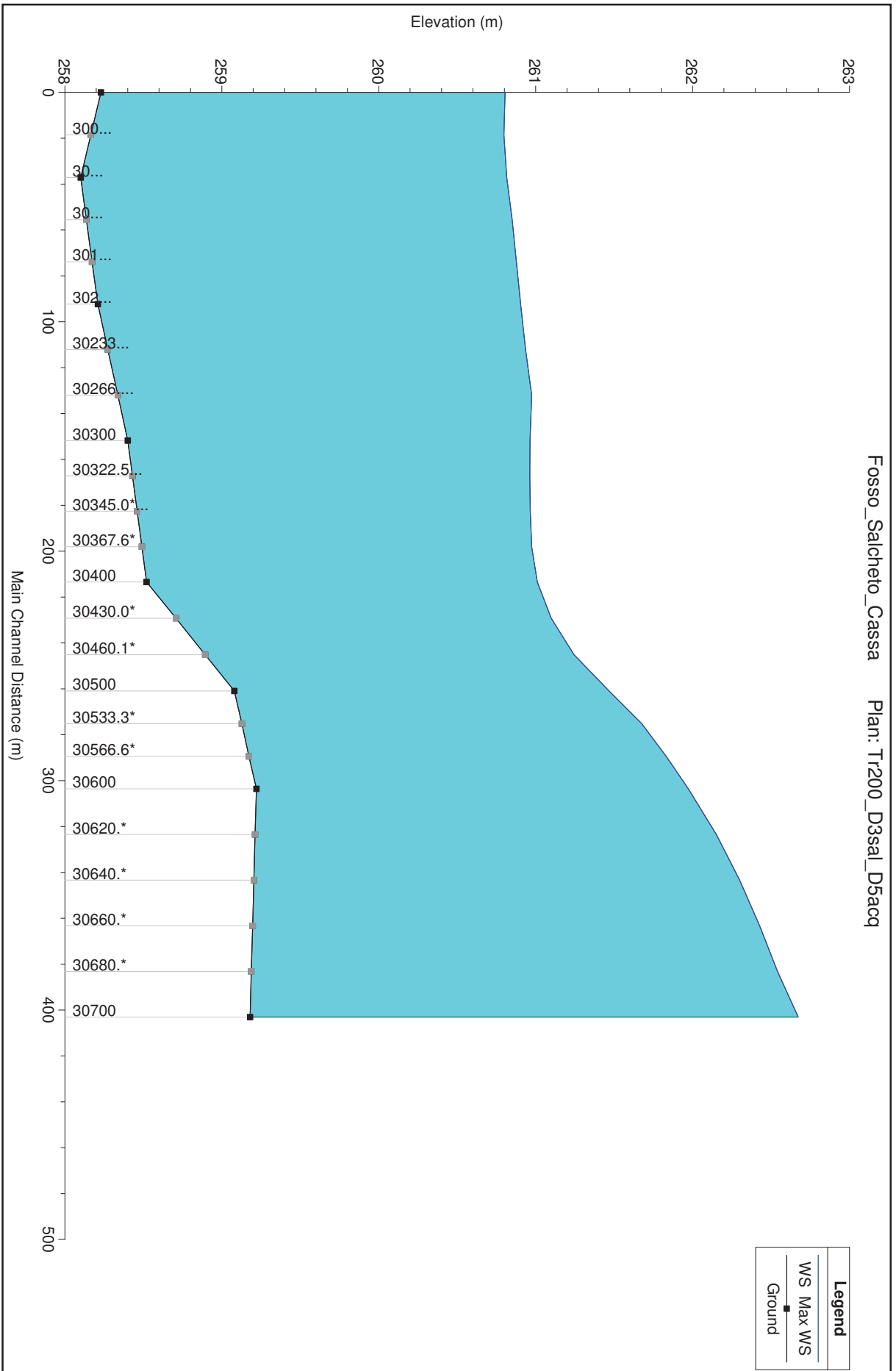
MODELLAZIONE HEC-RAS 5.0.3 "Salcheto Acquaviva"

FOSSO MARMO

MODELLAZIONE PER TR=200 anni

DURATE DI PIOGGIA: 3h

Profilo longitudinale





ALLEGATI

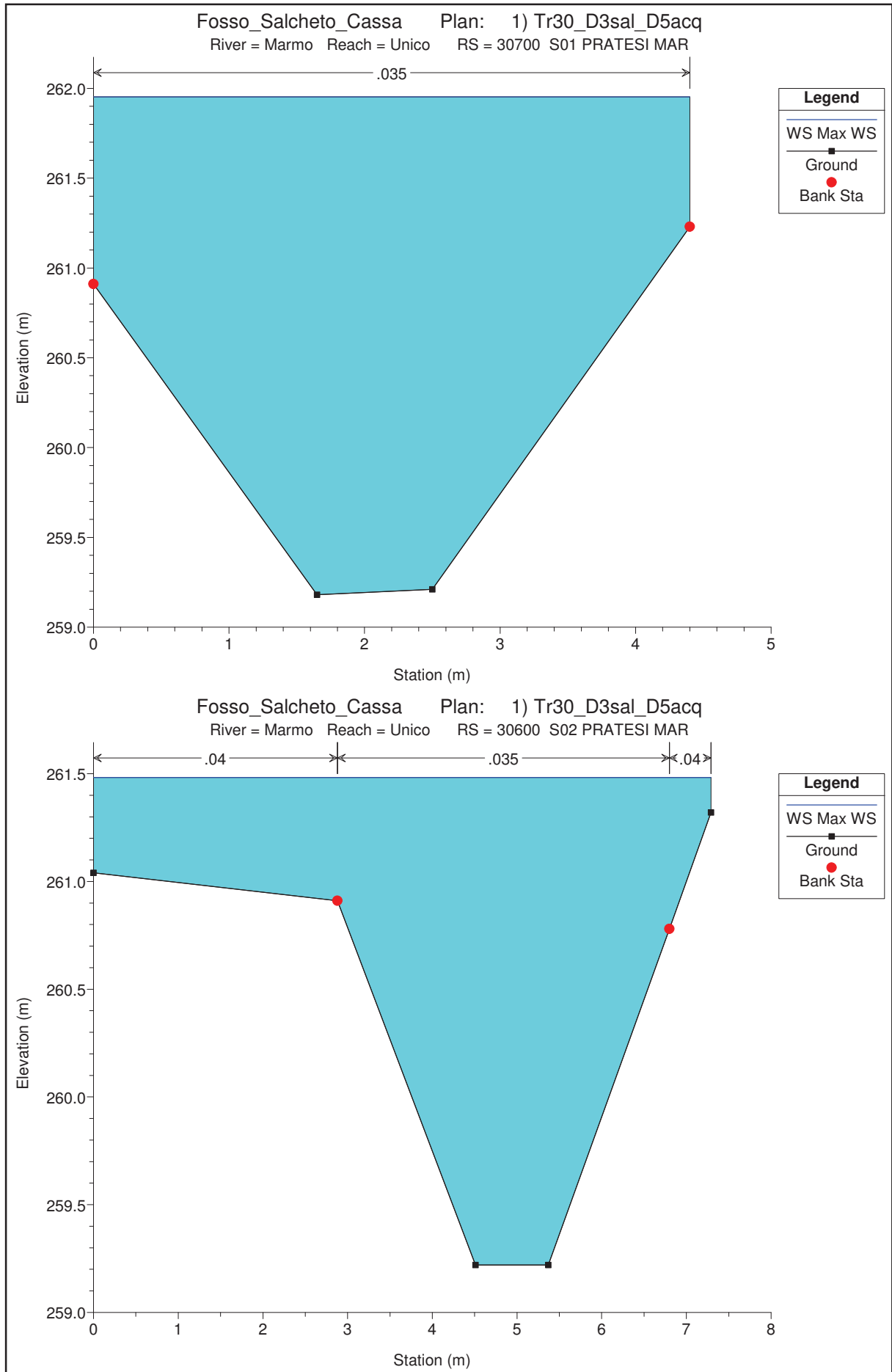
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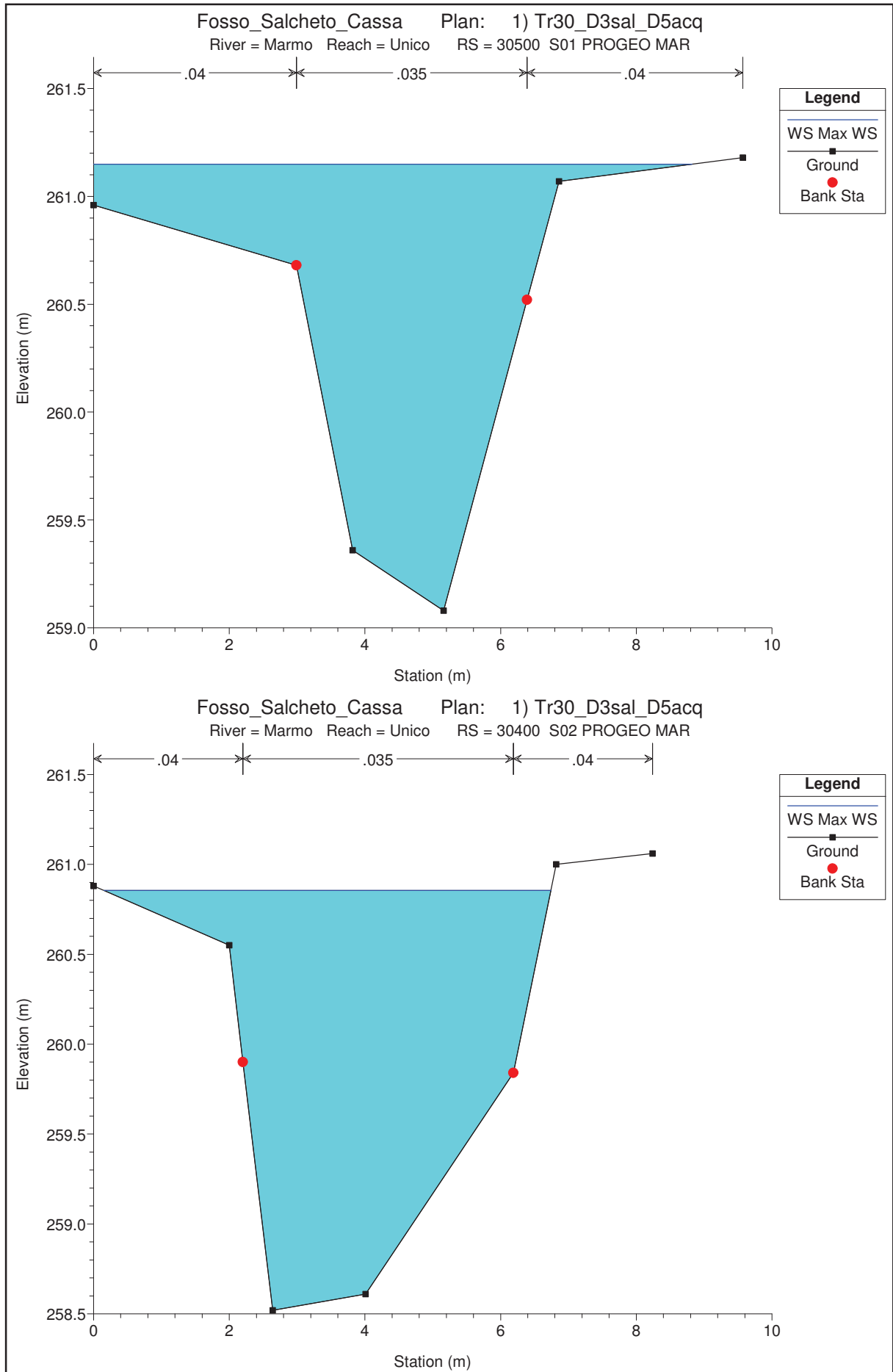
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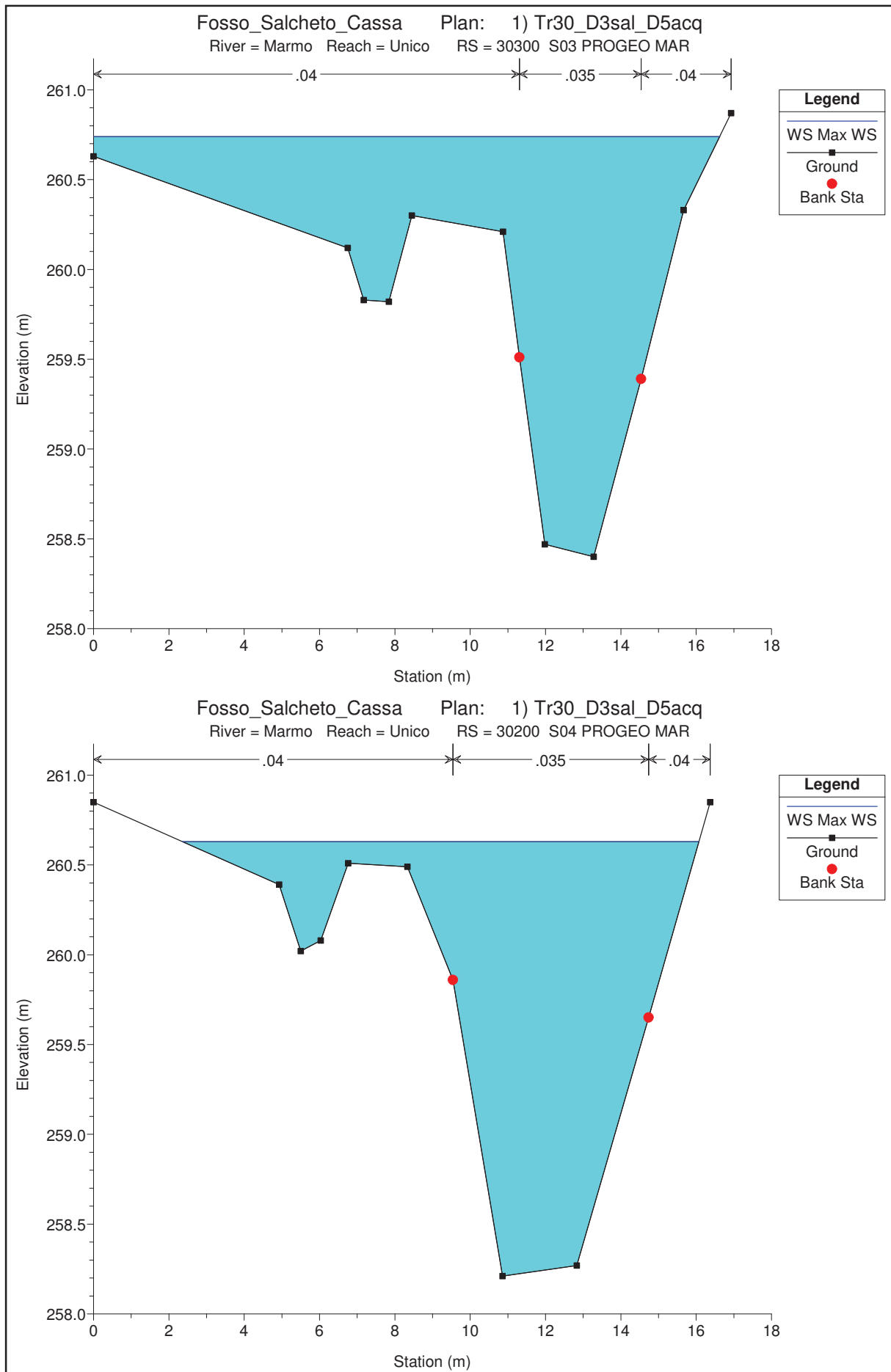
MODELLAZIONE PER TR=30 anni

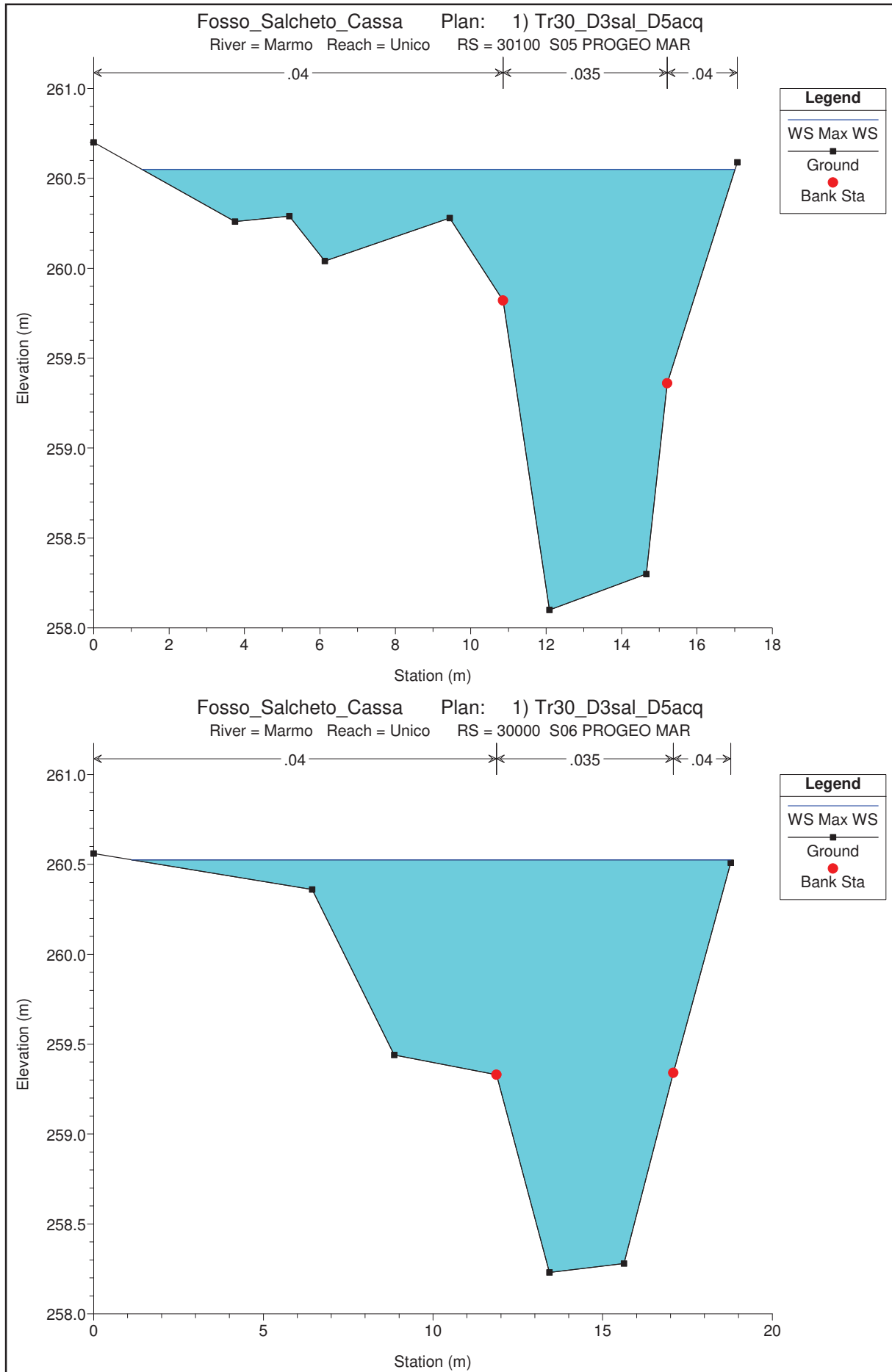
DURATE DI PIOGGIA: 3h

Sezioni Trasversali (da monte verso valle)











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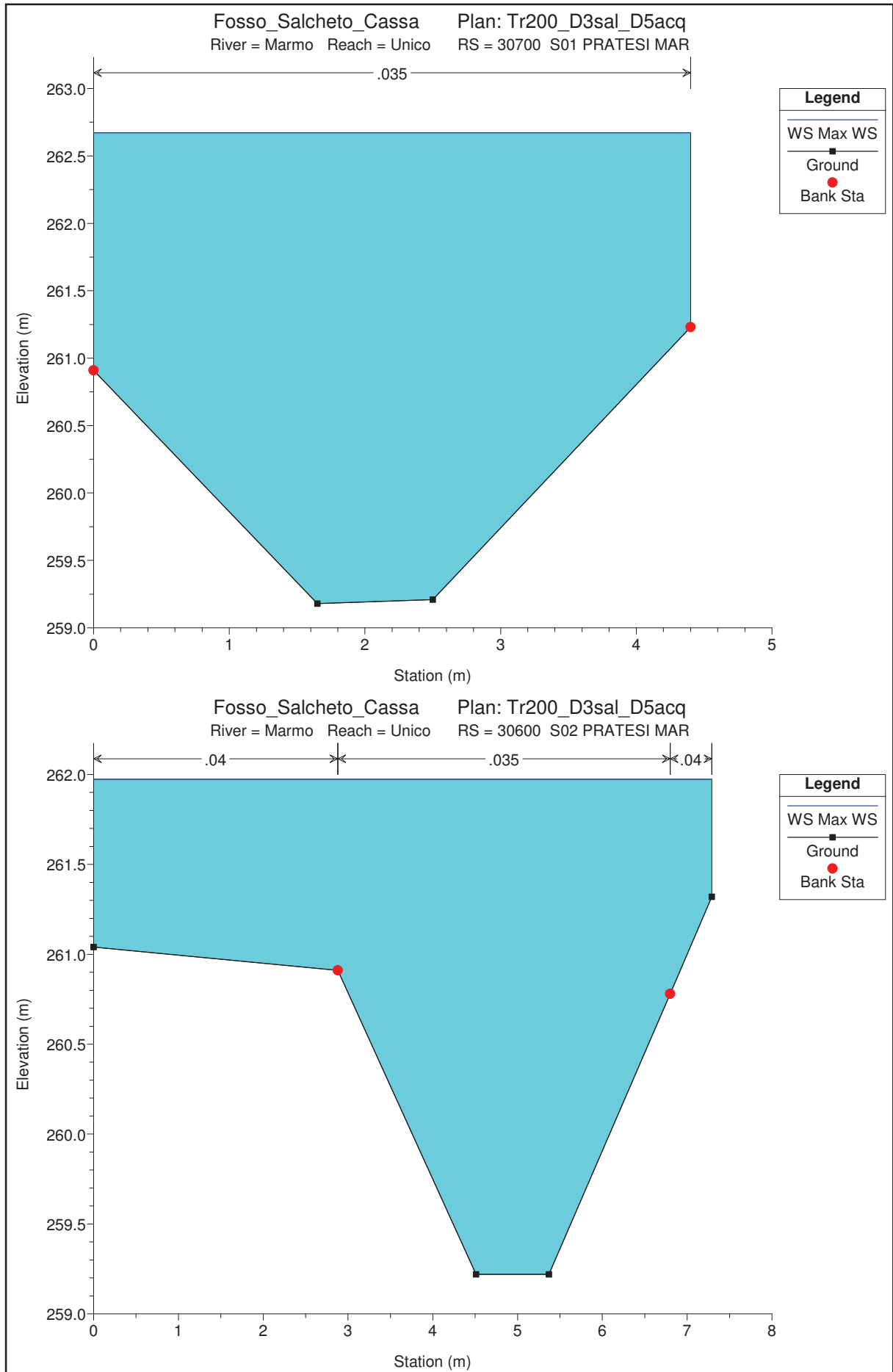
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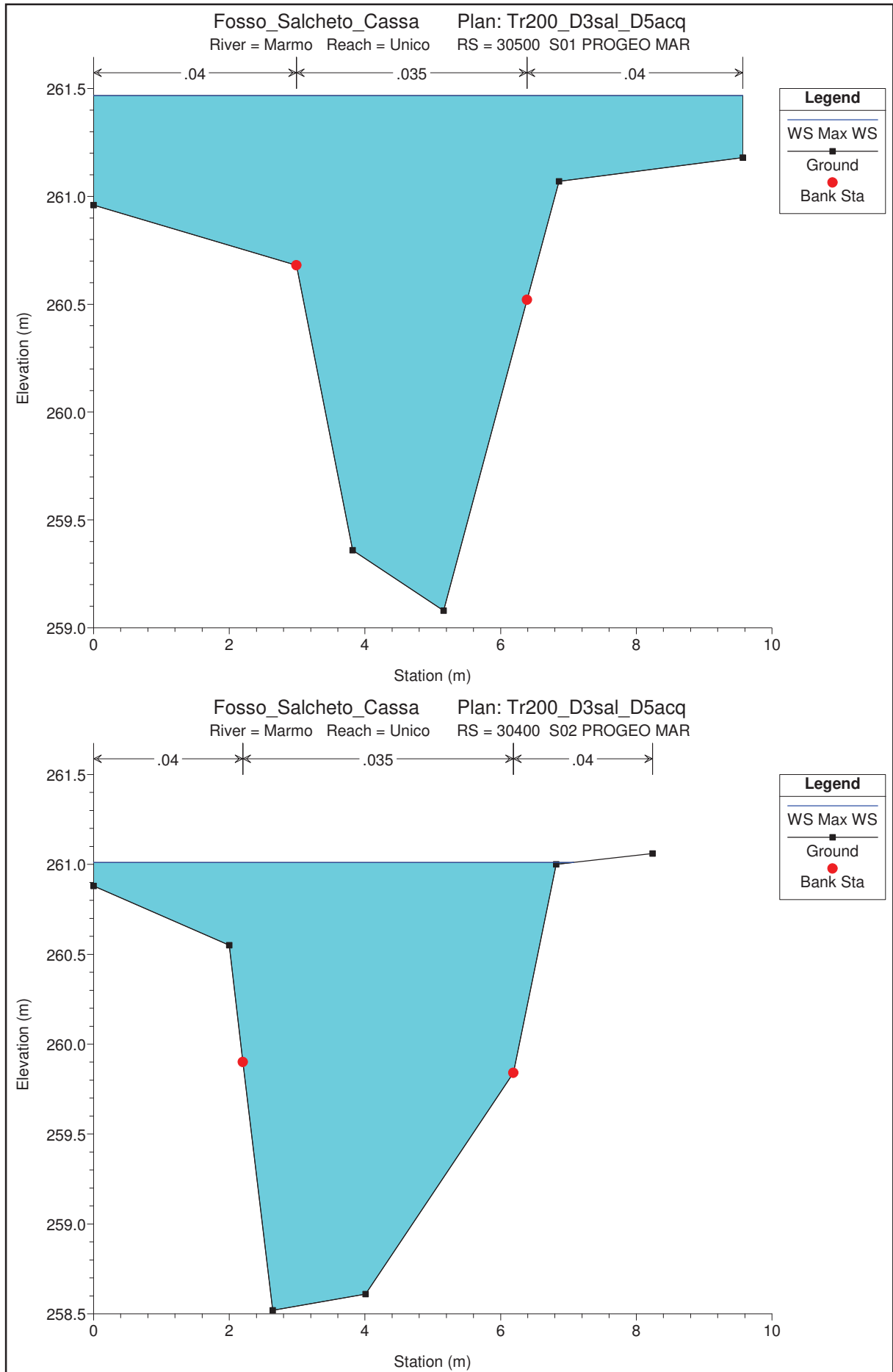
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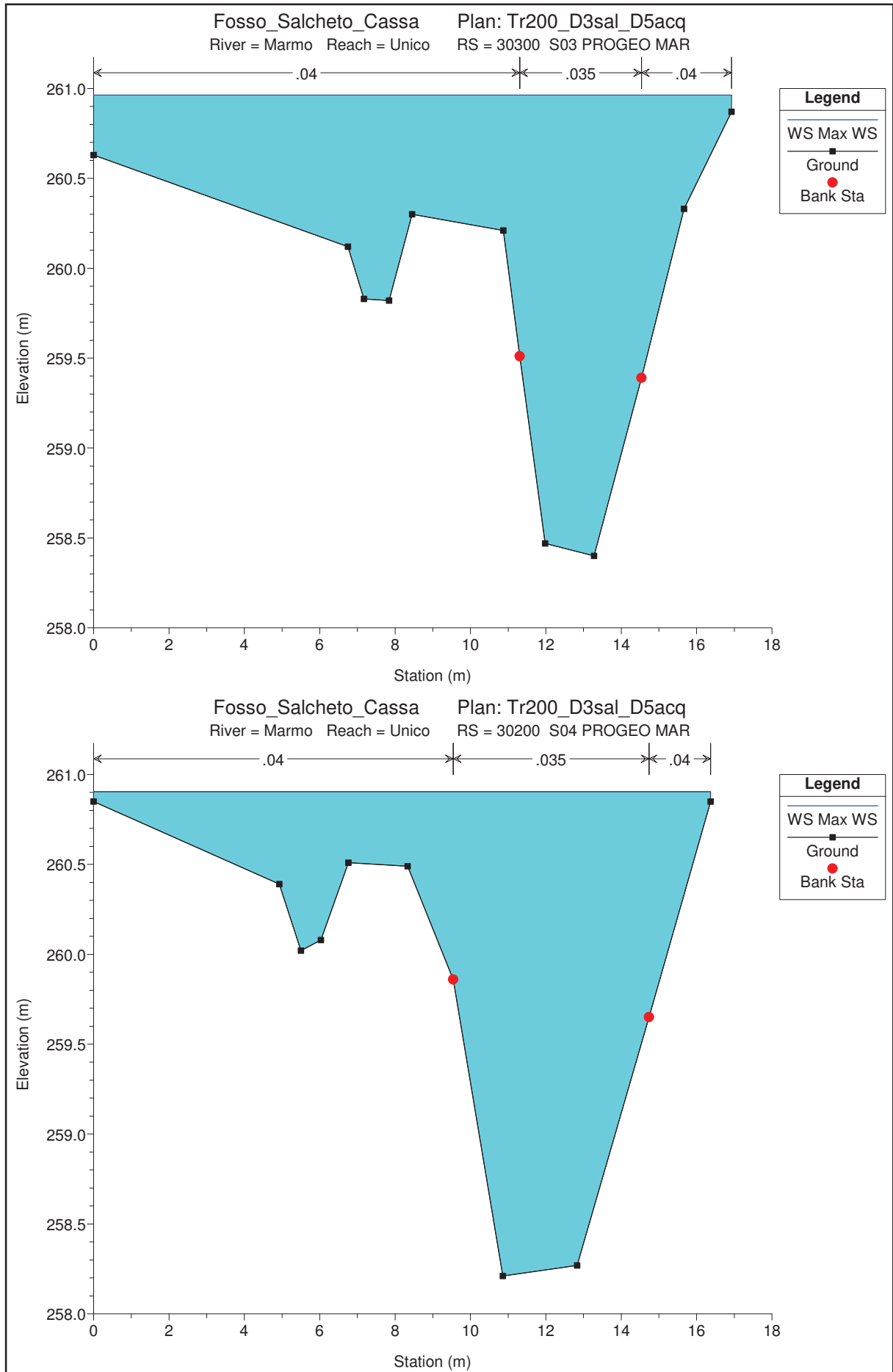
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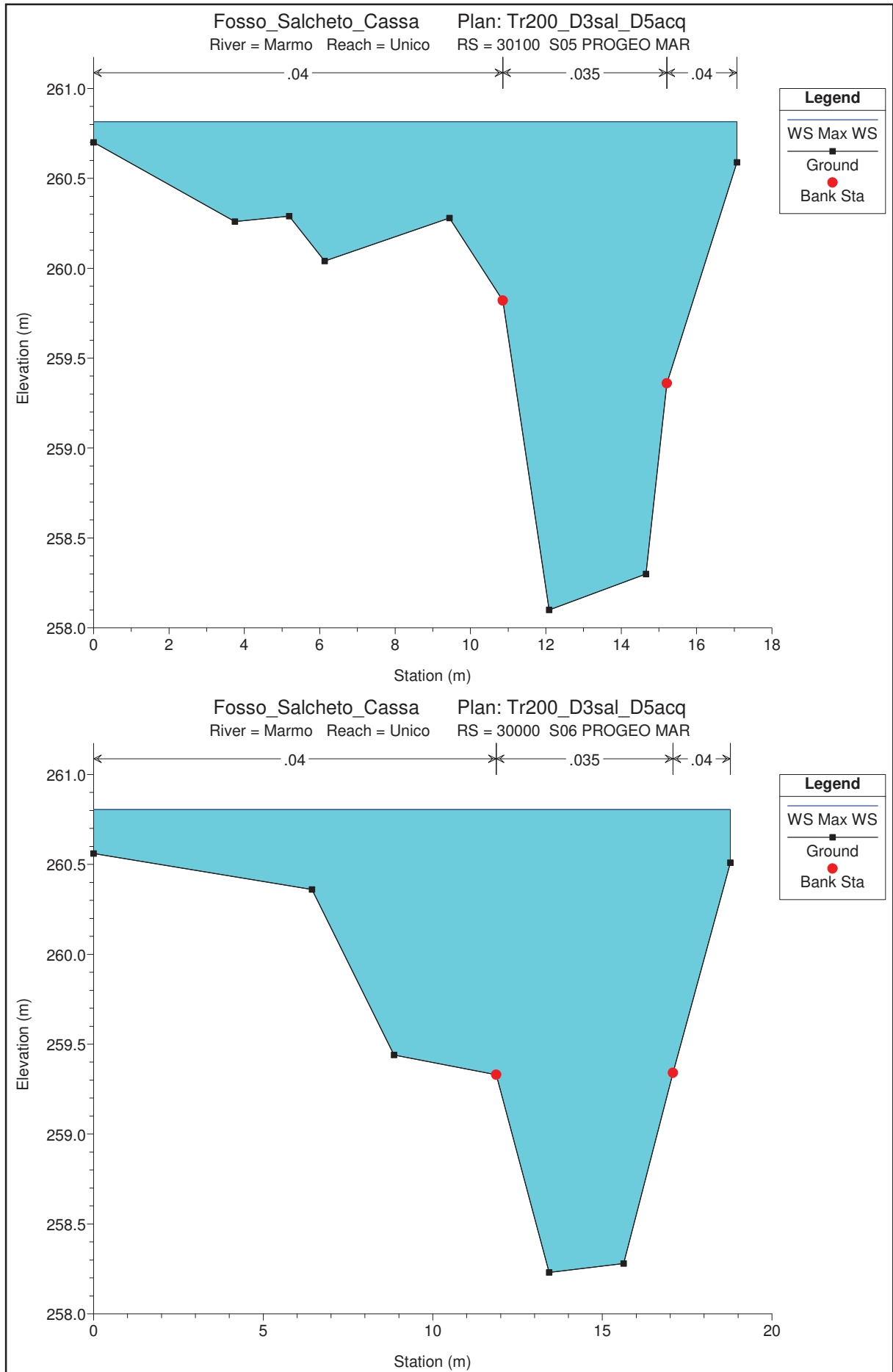
DURATE DI PIOGGIA: 3h

Sezioni Trasversali (da monte verso valle)











ALLEGATI

MODELLAZIONE HEC-RAS 5.0.3 "Salcheto Acquaviva"

FOSSO MARMO

MODELLAZIONE PER TR=30 anni

DURATE DI PIOGGIA: 3h

Dati idraulici

HEC-RAS Plan: Tr30_D3sal_D5acq River: Marmo Reach: Unico Profile: Max WS

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Unico	30700	Max WS	16.90	259.18	261.95		262.14	0.003856	1.92	8.78	4.40	0.43
Unico	30600	Max WS	16.90	259.22	261.48		261.75	0.005469	2.38	8.05	7.29	0.60
Unico	30500	Max WS	16.90	259.08	261.15	261.15	261.58	0.010130	3.02	6.41	8.82	0.78
Unico	30495		Lat Struct									
Unico	30490		Lat Struct									
Unico	30400	Max WS	15.58	258.52	260.85		261.07	0.003332	2.06	8.10	6.59	0.48
Unico	30395		Lat Struct									
Unico	30390		Lat Struct									
Unico	30300	Max WS	15.02	258.40	260.74		260.85	0.001877	1.67	13.06	16.63	0.38
Unico	30295		Lat Struct									
Unico	30290		Lat Struct									
Unico	30200	Max WS	15.42	258.21	260.63		260.73	0.001413	1.44	12.51	13.71	0.33
Unico	30195		Lat Struct									
Unico	30190		Lat Struct									
Unico	30100	Max WS	15.40	258.10	260.55		260.65	0.001552	1.49	13.13	15.73	0.33
Unico	30095		Lat Struct									
Unico	30090		Lat Struct									
Unico	30000	Max WS	15.76	258.23	260.53		260.59	0.000919	1.25	16.61	17.65	0.28



ALLEGATI

MODELLAZIONE HEC-RAS 5.0.3 "Salcheto Acquaviva"

FOSSO MARMO

MODELLAZIONE PER TR=200 anni

DURATE DI PIOGGIA: 3h

Dati idraulici

HEC-RAS Plan: Tr200_D3sal_D5acq River: Marmo Reach: Unico Profile: Max WS

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Unico	30700	Max WS	30.90	259.18	262.67		263.01	0.005791	2.58	11.95	4.40	0.50
Unico	30600	Max WS	30.89	259.22	261.97		262.40	0.006480	3.09	11.63	7.29	0.68
Unico	30500	Max WS	30.89	259.08	261.47	261.61	262.18	0.014051	4.03	9.44	9.57	0.95
Unico	30495		Lat Struct									
Unico	30490		Lat Struct									
Unico	30400	Max WS	21.14	258.52	261.01		261.33	0.004548	2.54	9.16	7.08	0.57
Unico	30395		Lat Struct									
Unico	30390		Lat Struct									
Unico	30300	Max WS	19.37	258.40	260.96		261.07	0.001663	1.69	16.82	16.93	0.36
Unico	30295		Lat Struct									
Unico	30290		Lat Struct									
Unico	30200	Max WS	18.46	258.21	260.90		260.99	0.001105	1.39	16.72	16.37	0.30
Unico	30195		Lat Struct									
Unico	30190		Lat Struct									
Unico	30100	Max WS	19.83	258.10	260.82		260.91	0.001352	1.51	17.57	17.07	0.32
Unico	30095		Lat Struct									
Unico	30090		Lat Struct									
Unico	30000	Max WS	17.50	258.23	260.81		260.85	0.000583	1.09	21.85	18.77	0.23



ALLEGATI

MODELLAZIONE HEC-RAS 5.0.3 "Salcheto Acquaviva"

FOSSO SALCHETO

MODELLAZIONE PER TR=30 e 200 ANNI

DURATA DI PIOGGIA: 3h

Profilo longitudinale

Sezioni Trasversali

Dati idraulici



ALLEGATI

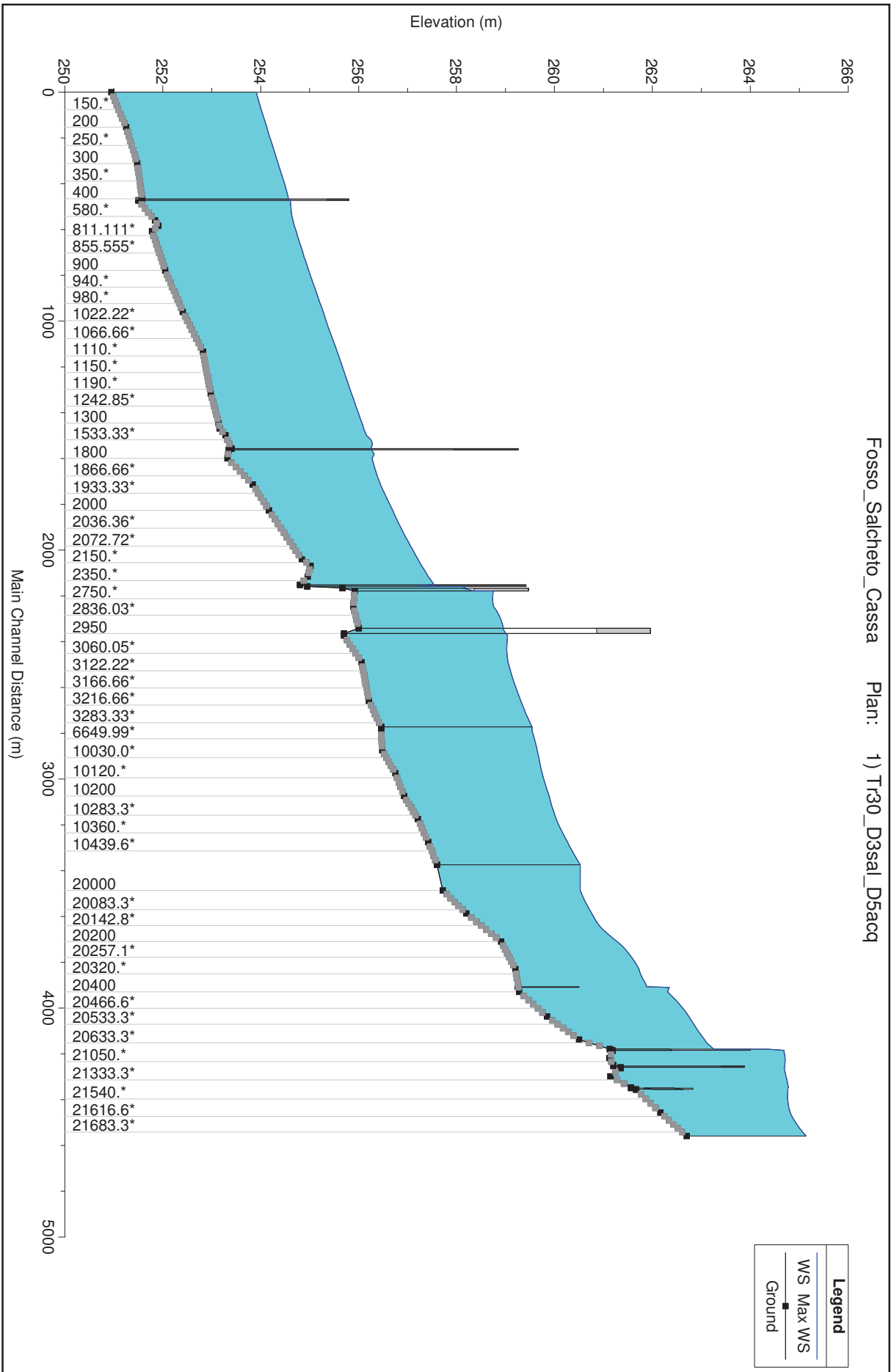
MODELLAZIONE HEC-RAS 5.0.3 "Salcheto Acquaviva"

FOSSO SALCHETO

MODELLAZIONE PER TR=30 anni

DURATE DI PIOGGIA: 3h

Profilo longitudinale





ALLEGATI

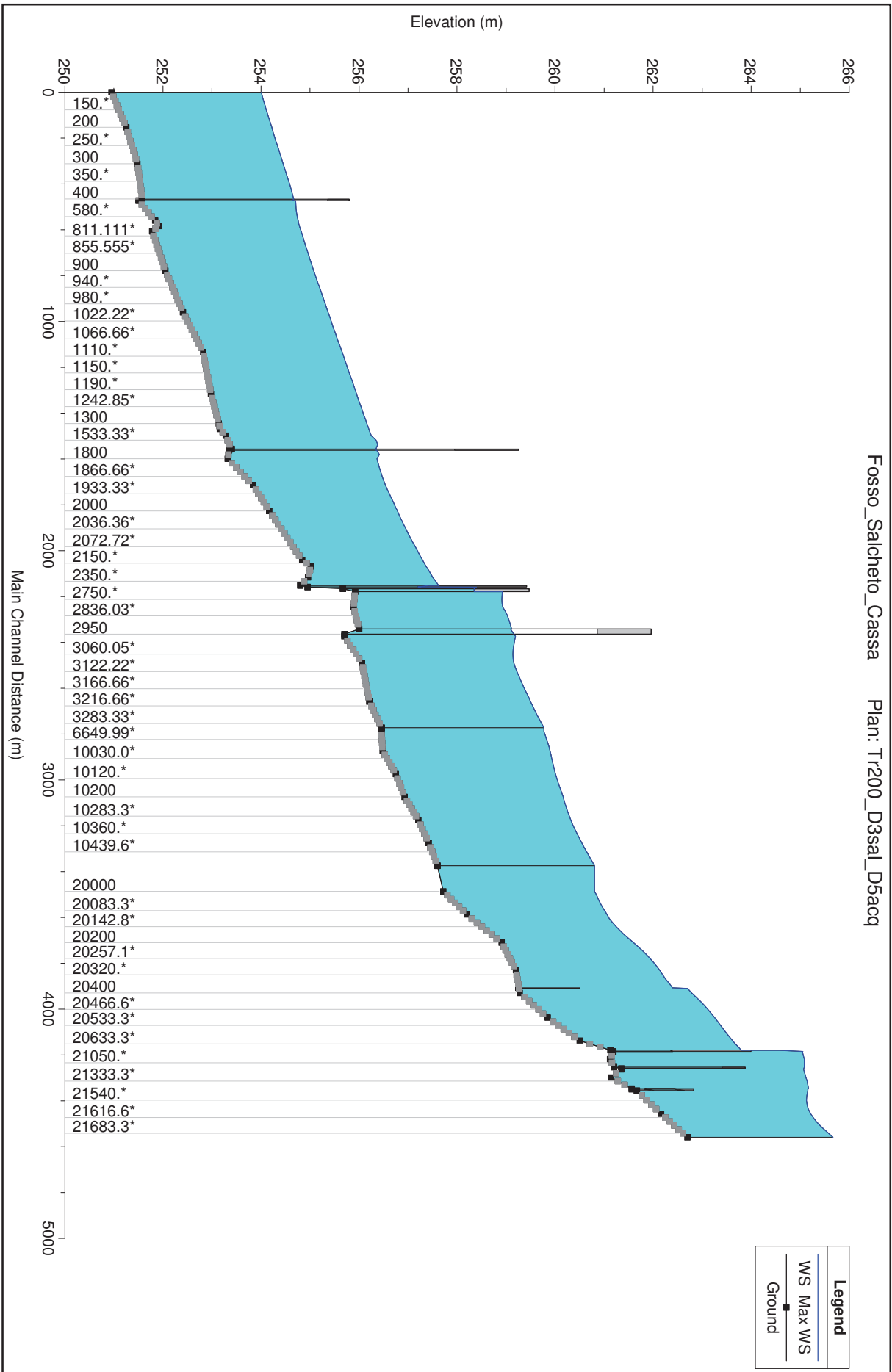
MODELLAZIONE HEC-RAS 5.0.3 "Salcheto Acquaviva"

FOSSO SALCHETO

MODELLAZIONE PER TR=200 anni

DURATE DI PIOGGIA: 3h

Profilo longitudinale





ALLEGATI

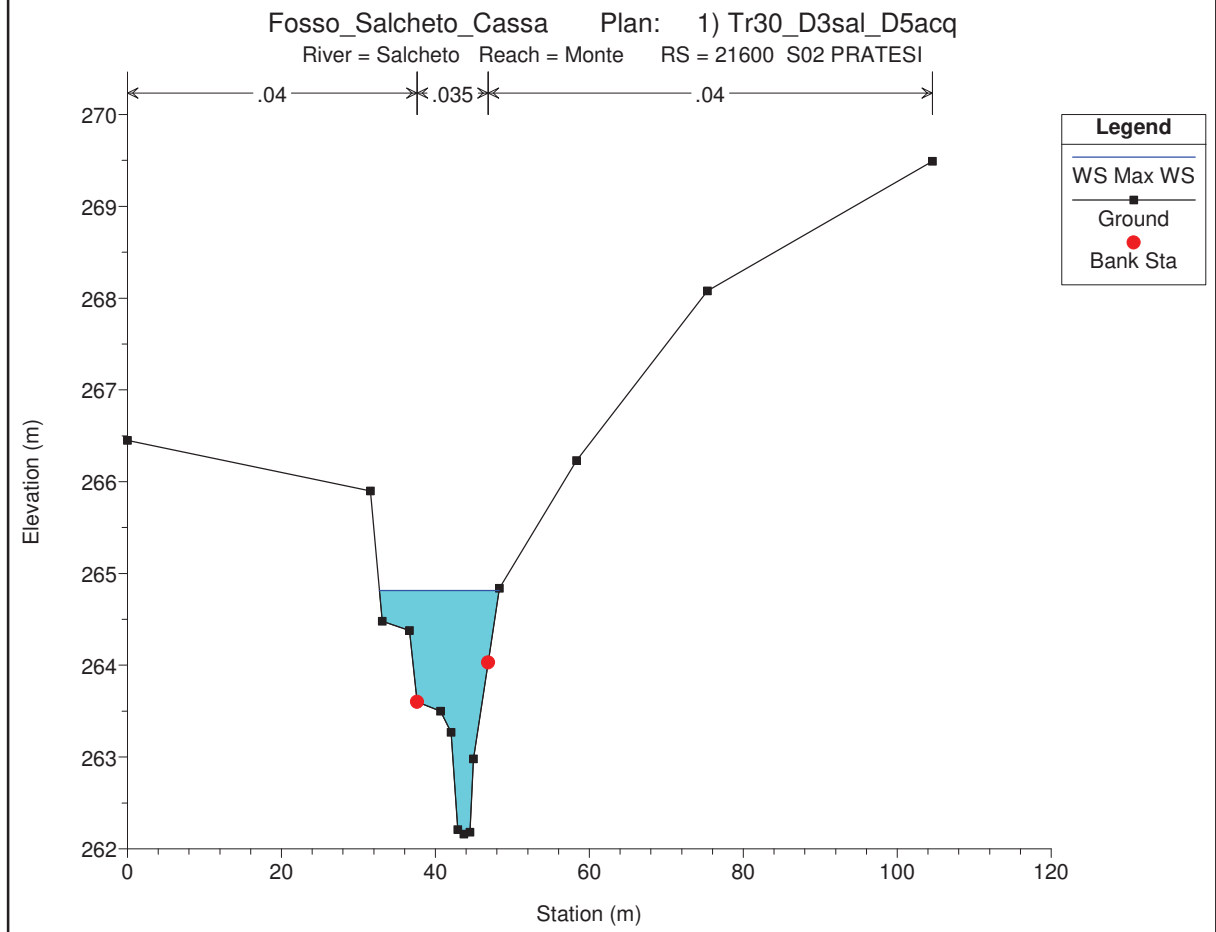
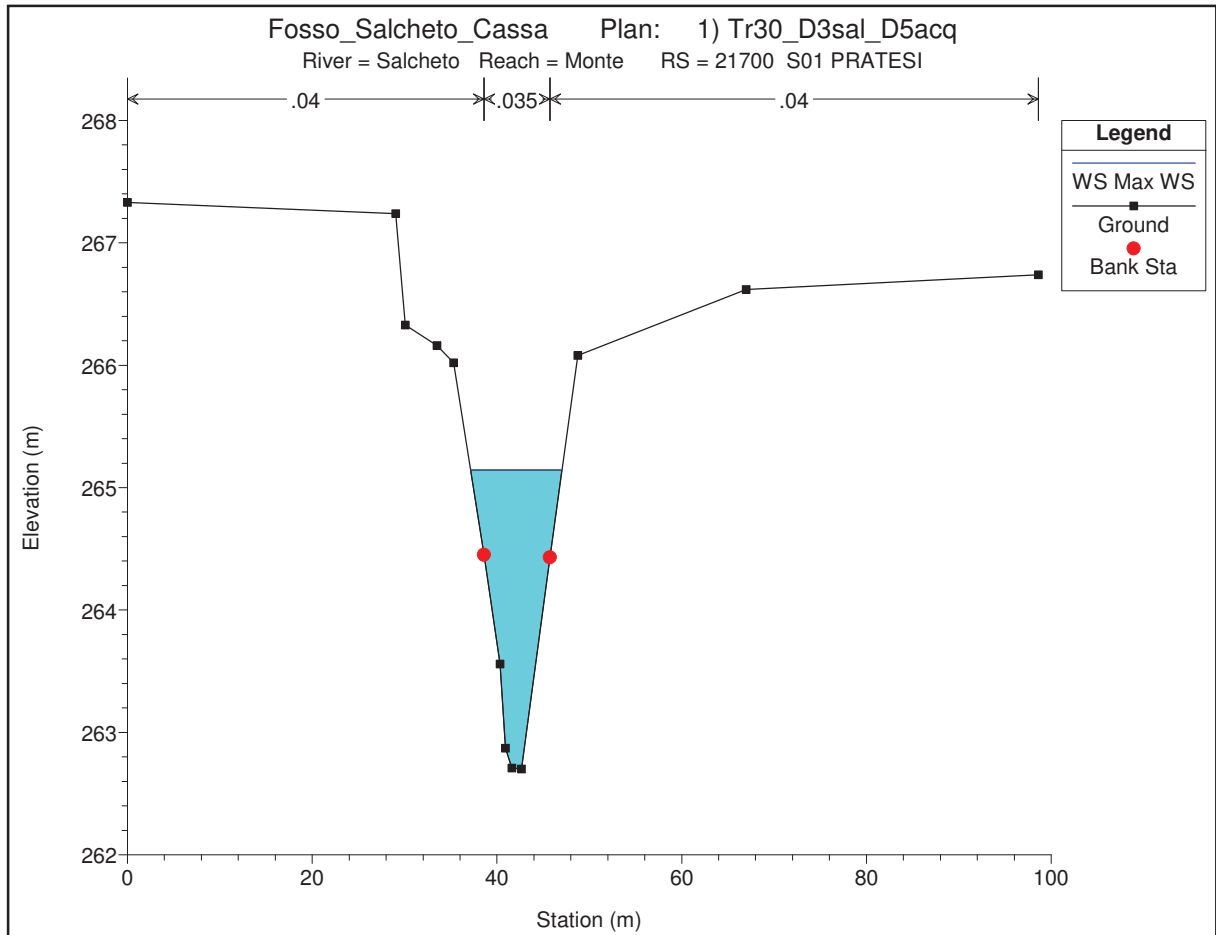
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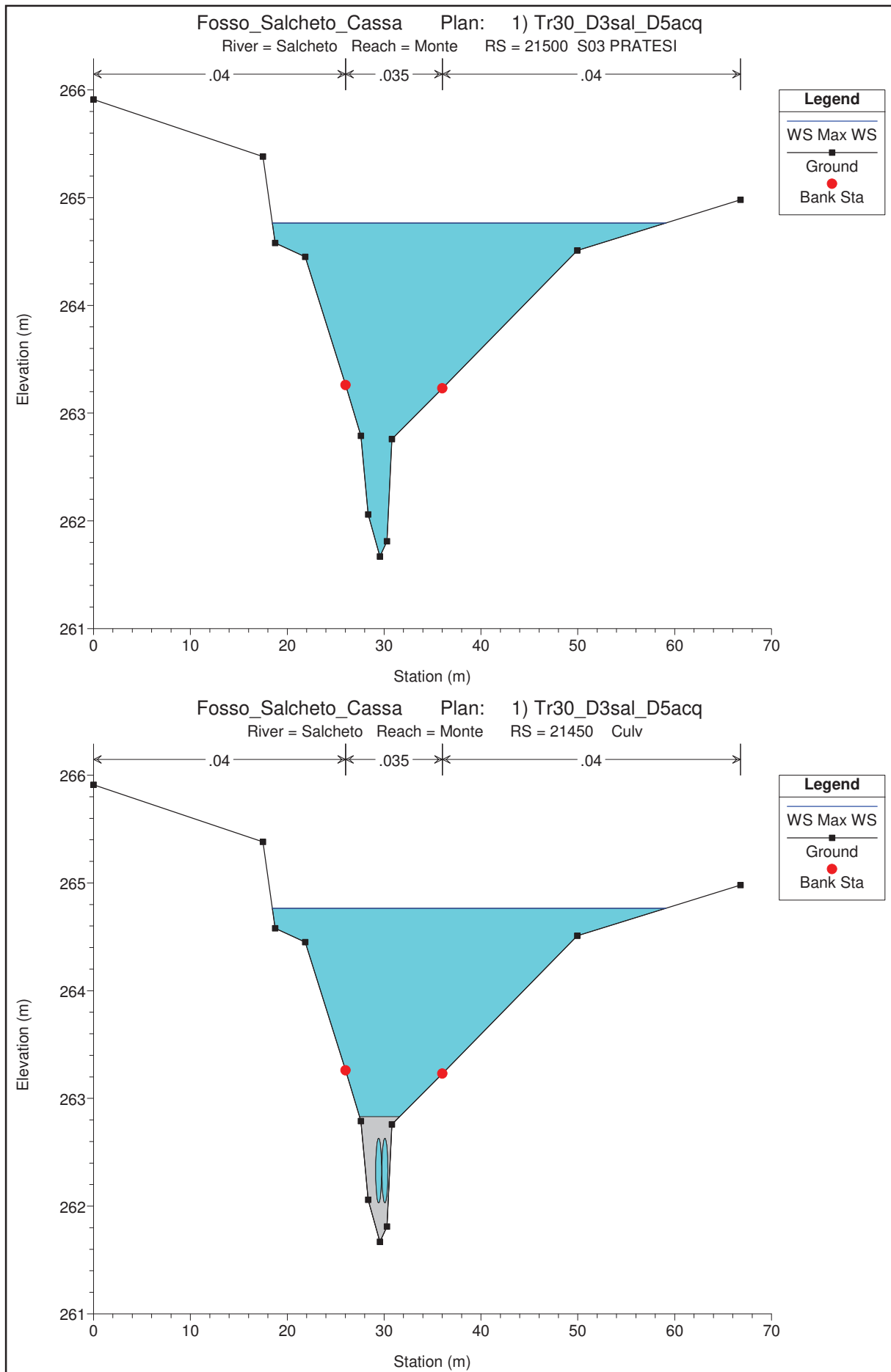
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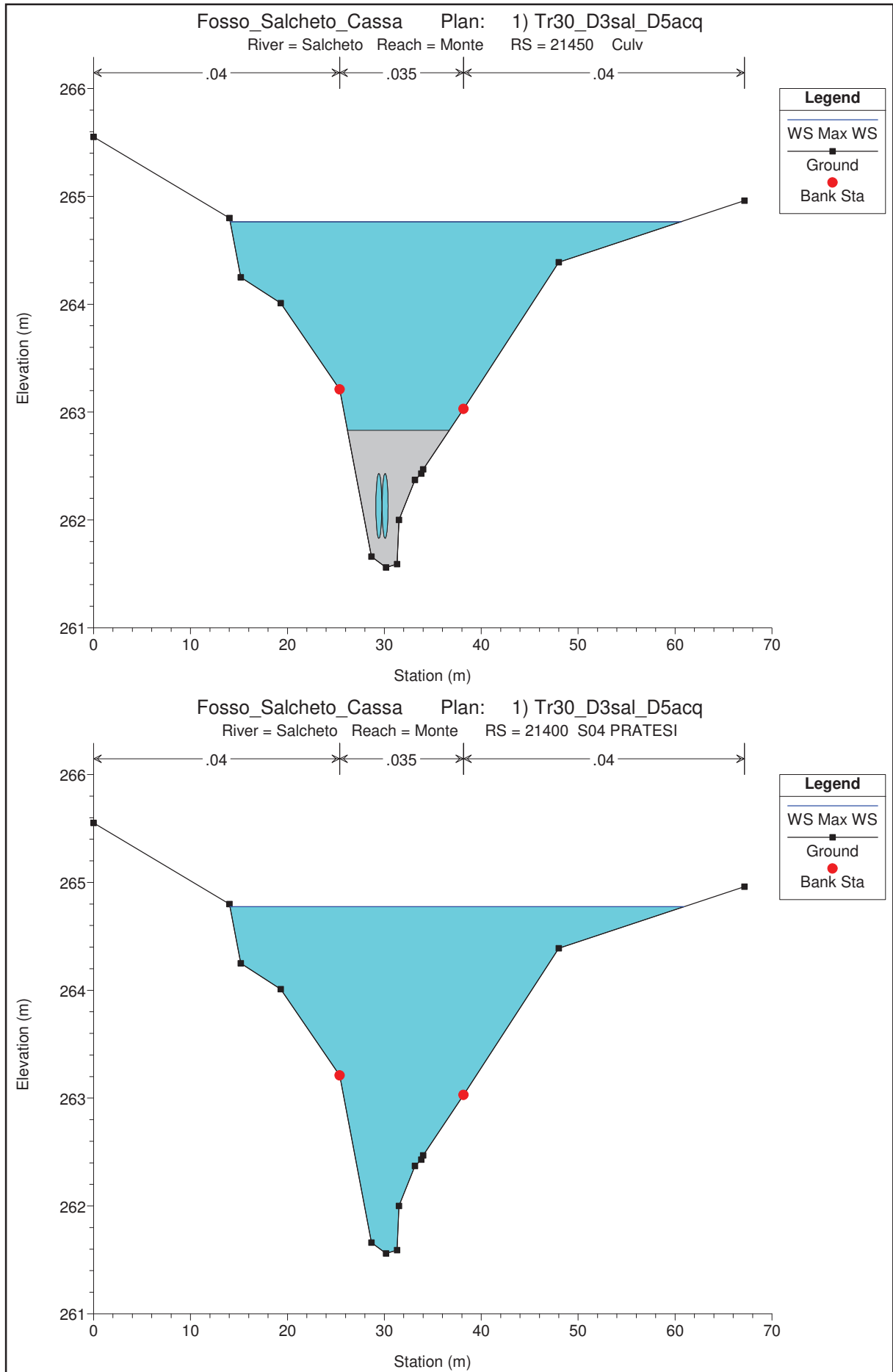
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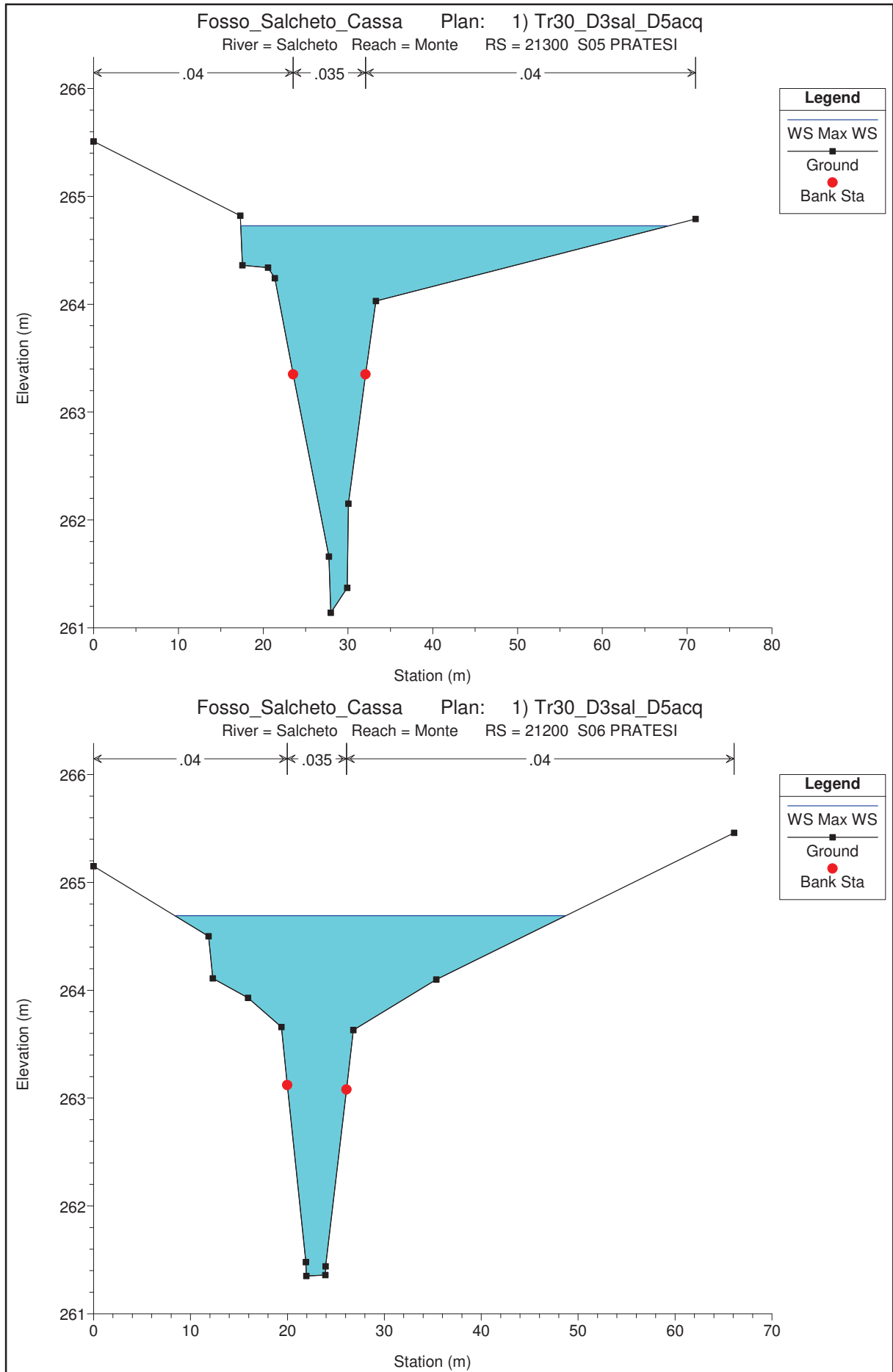
DURATE DI PIOGGIA: 3h

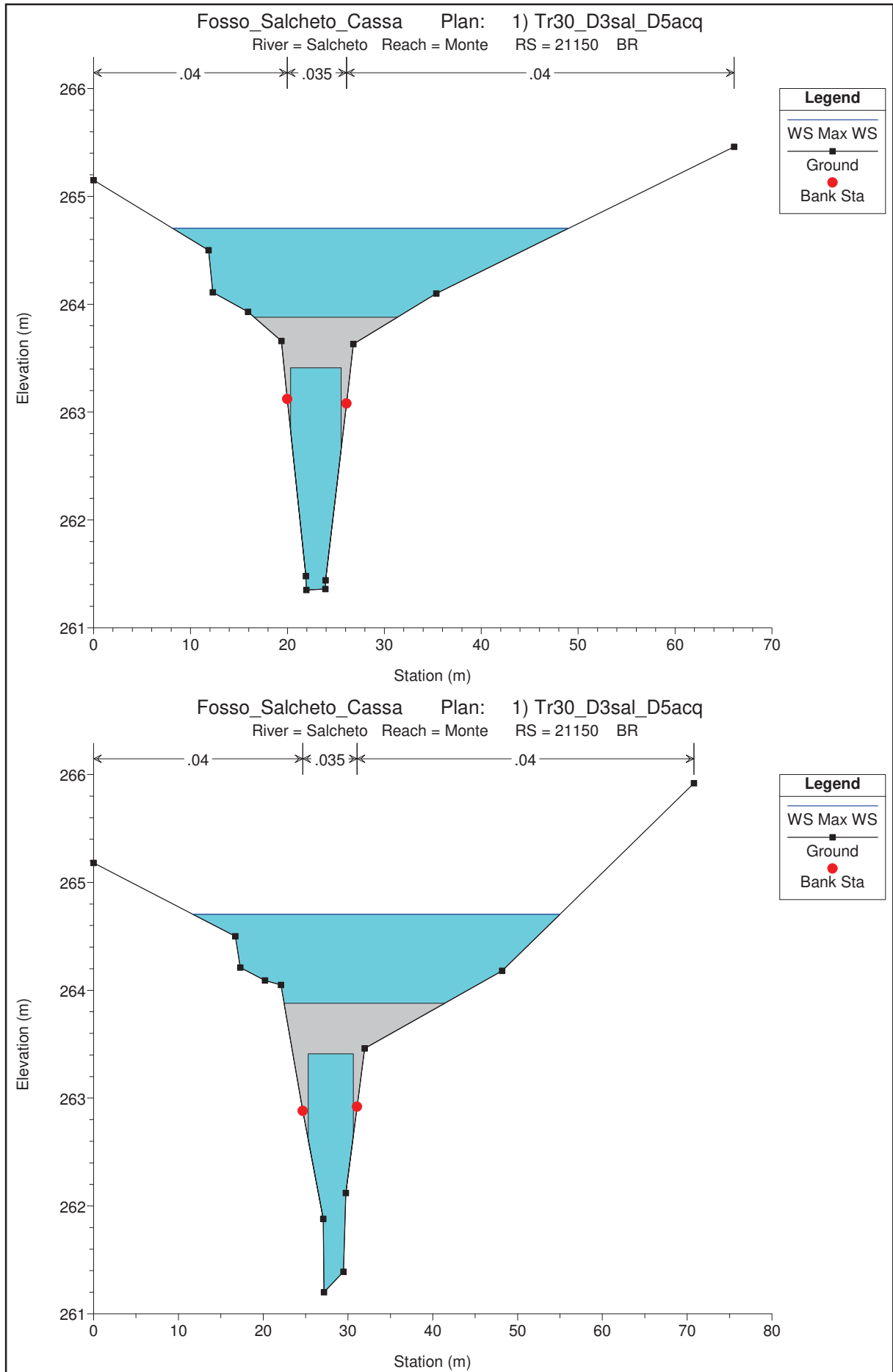
Sezioni Trasversali (da monte verso valle)

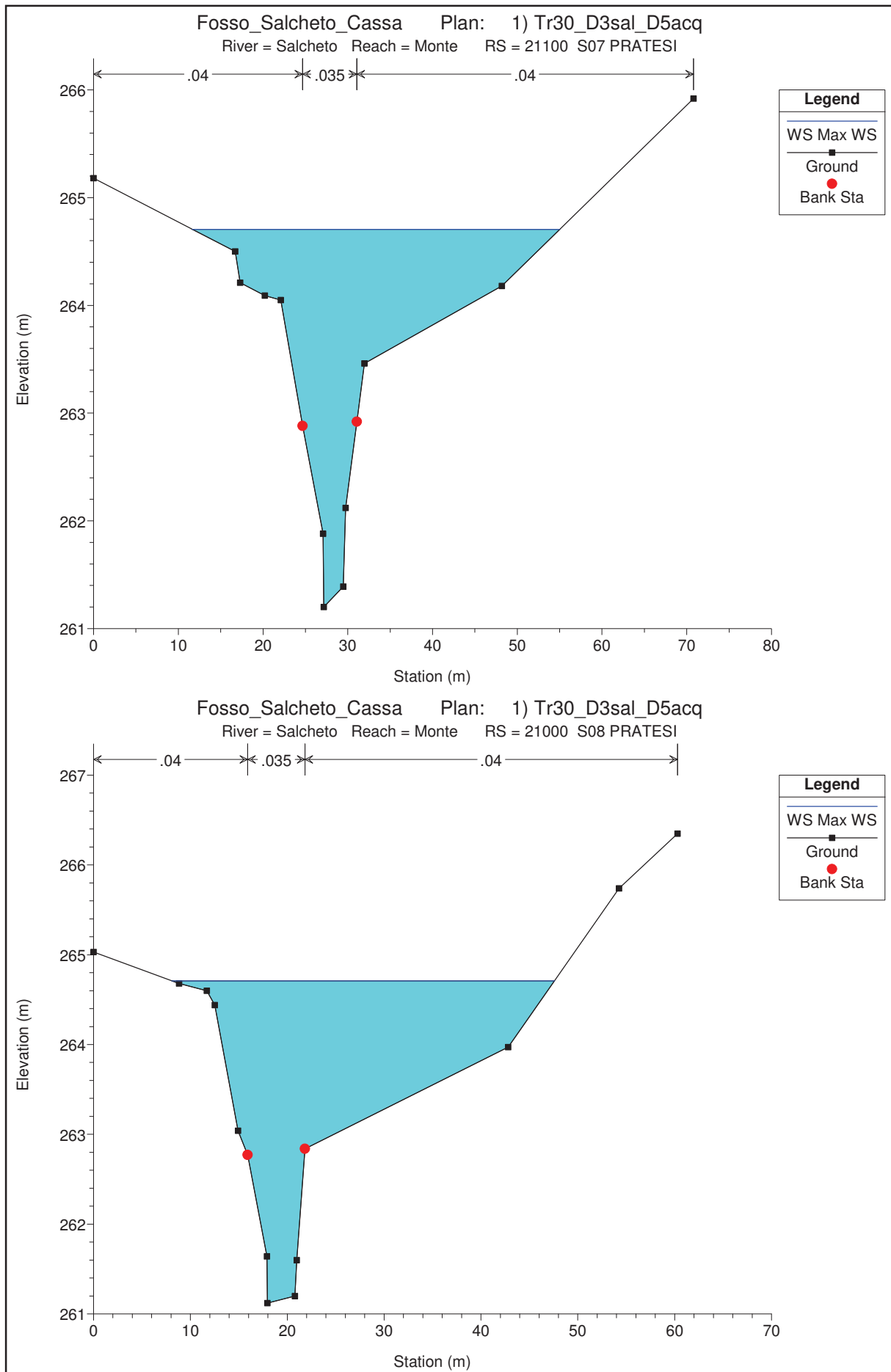


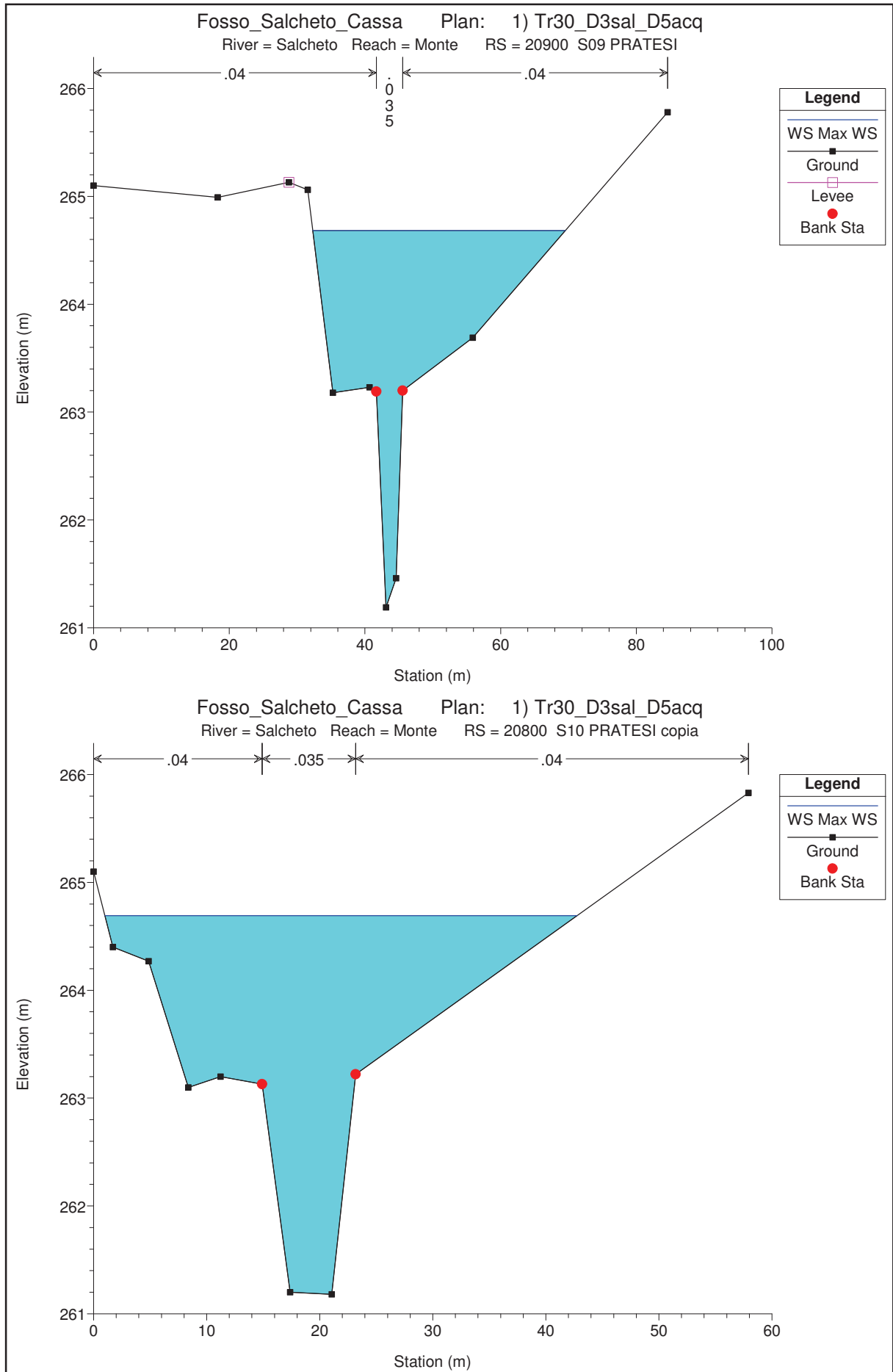


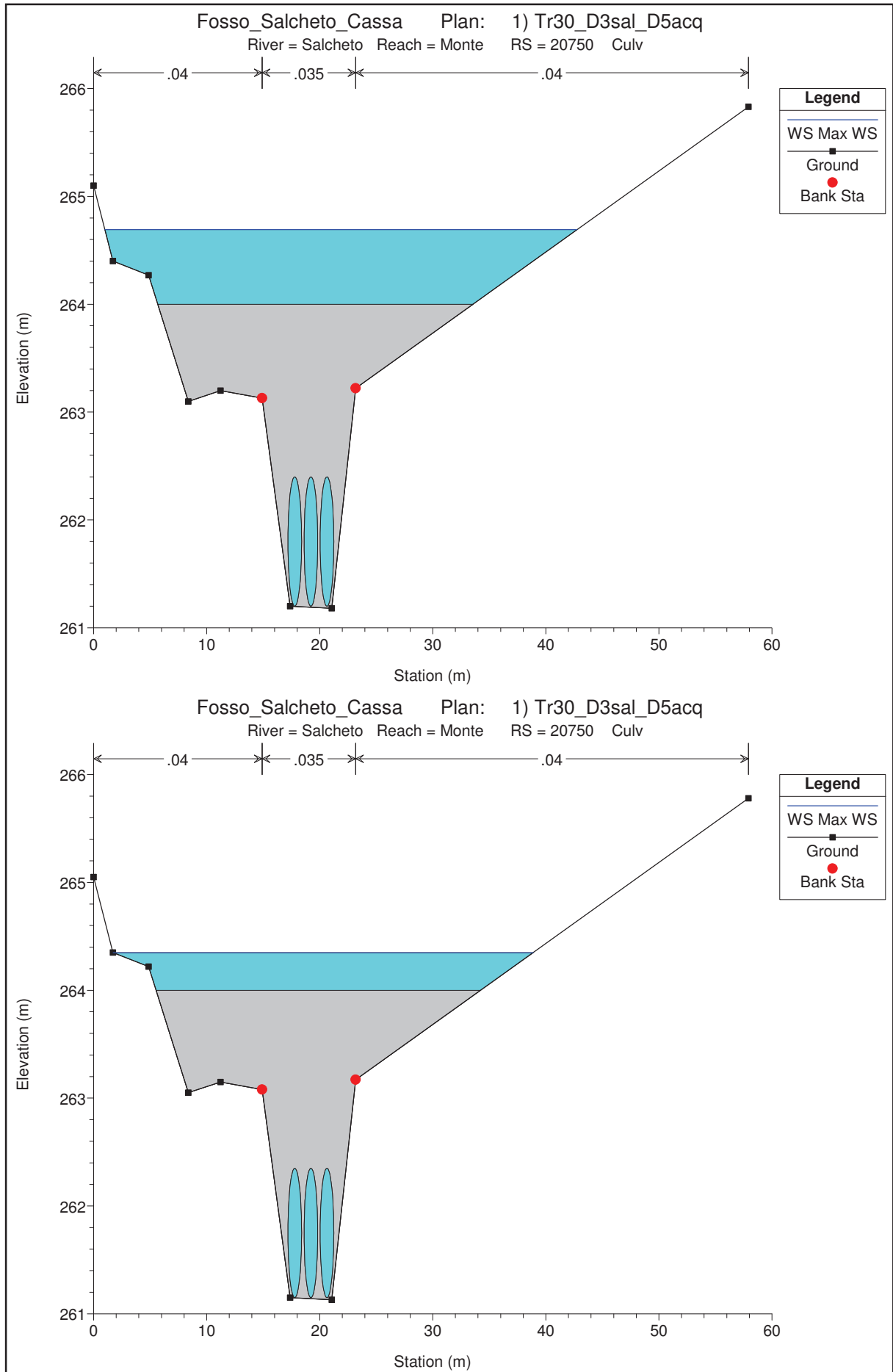


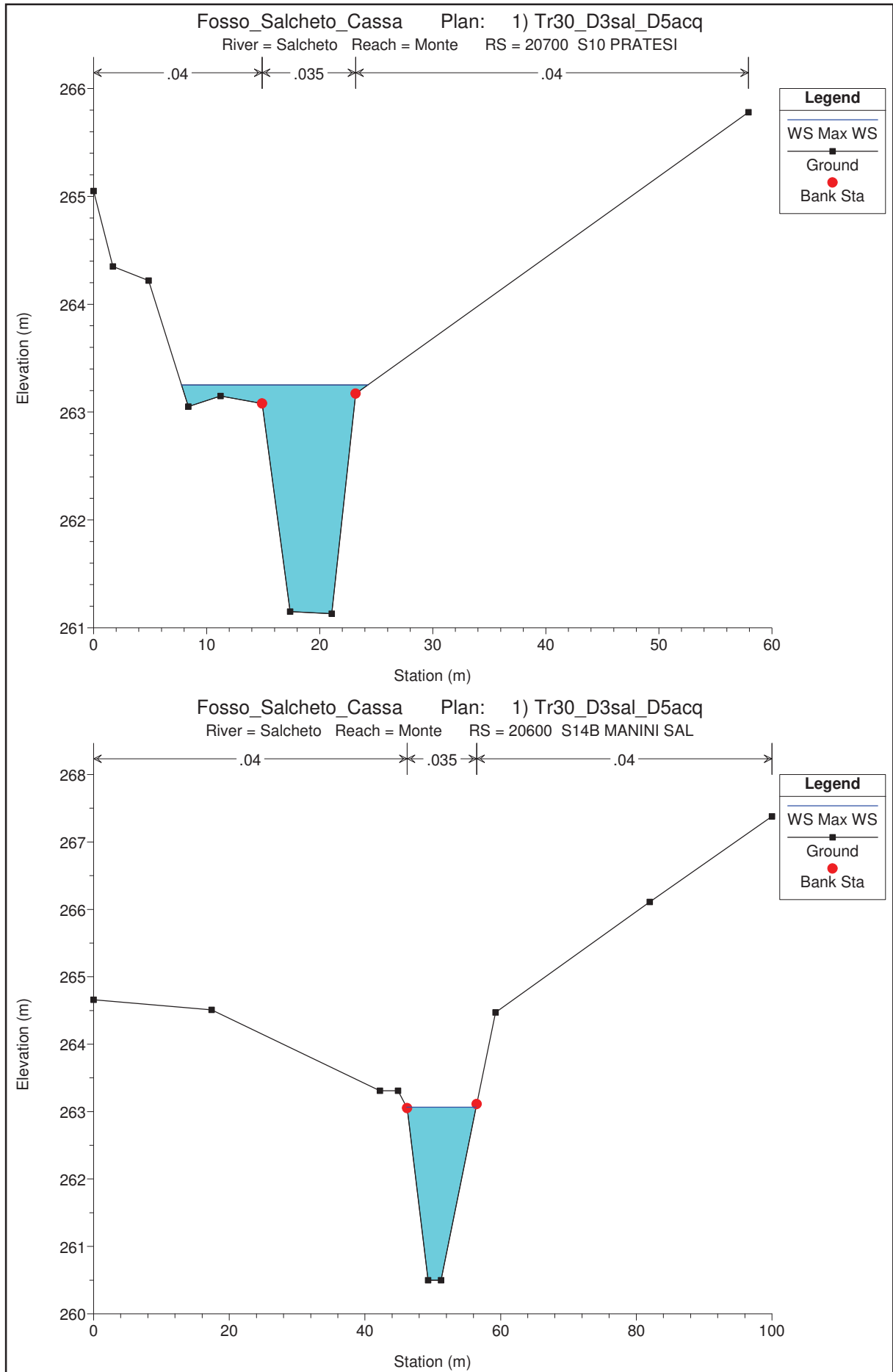


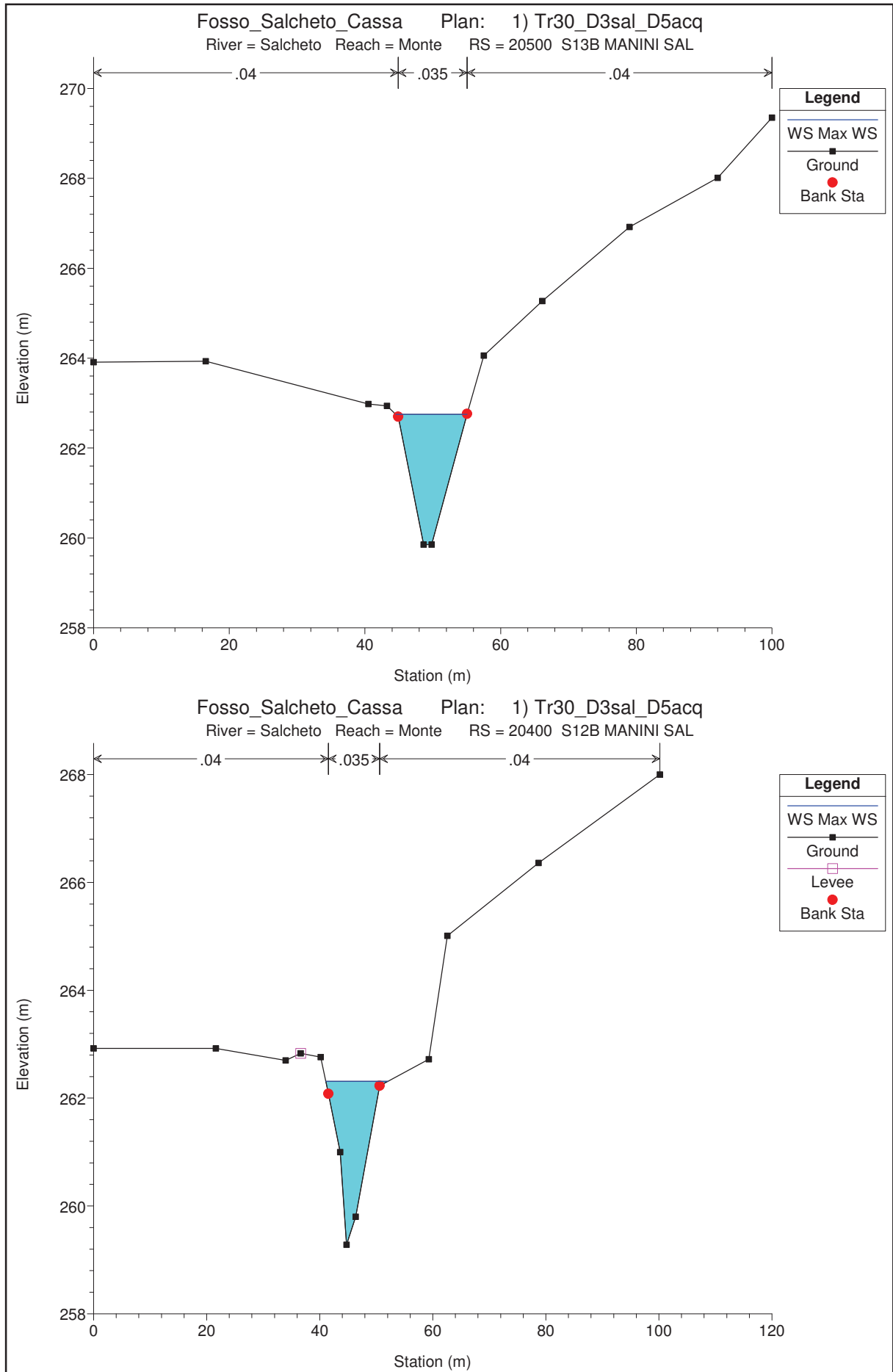


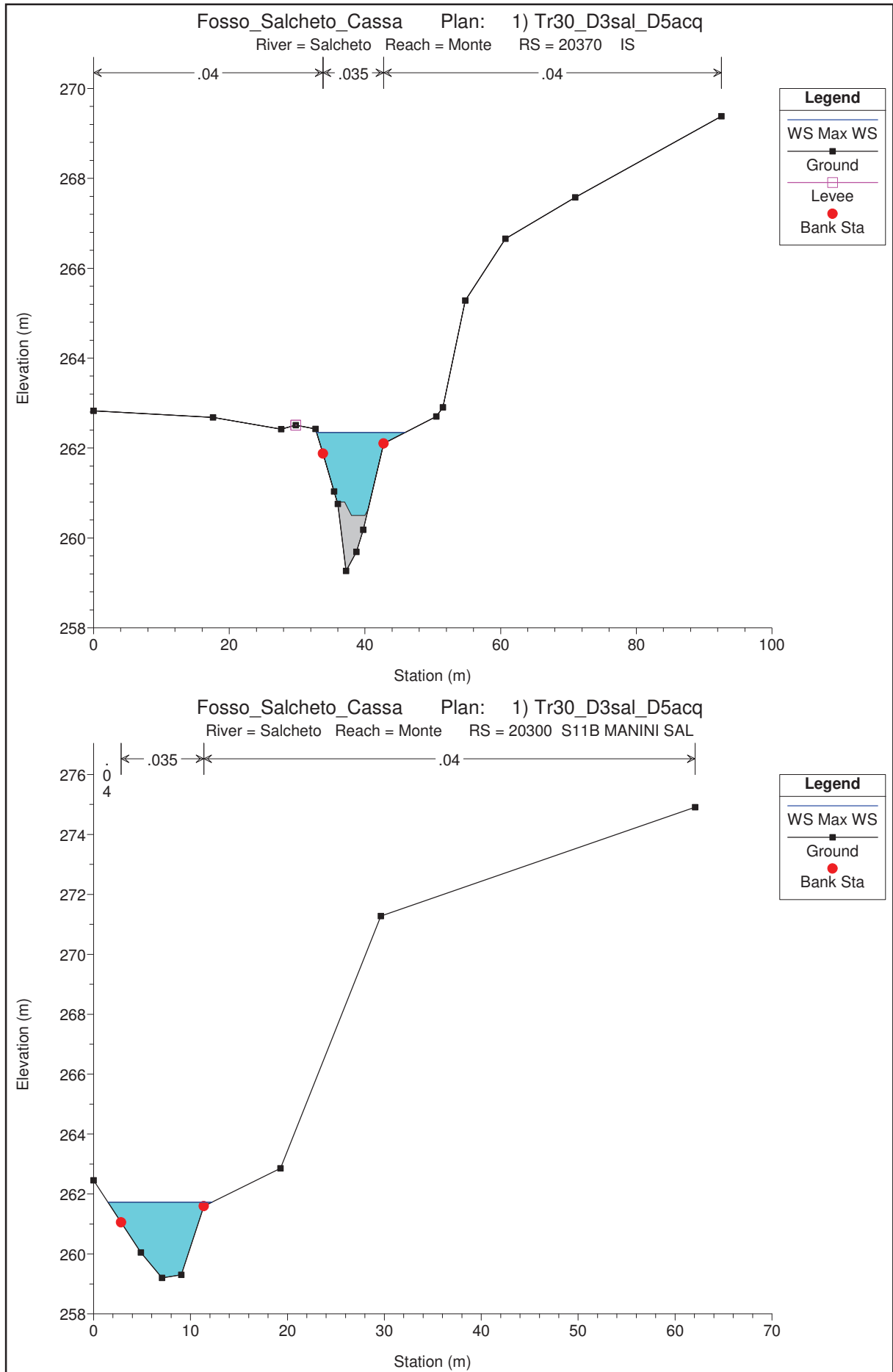


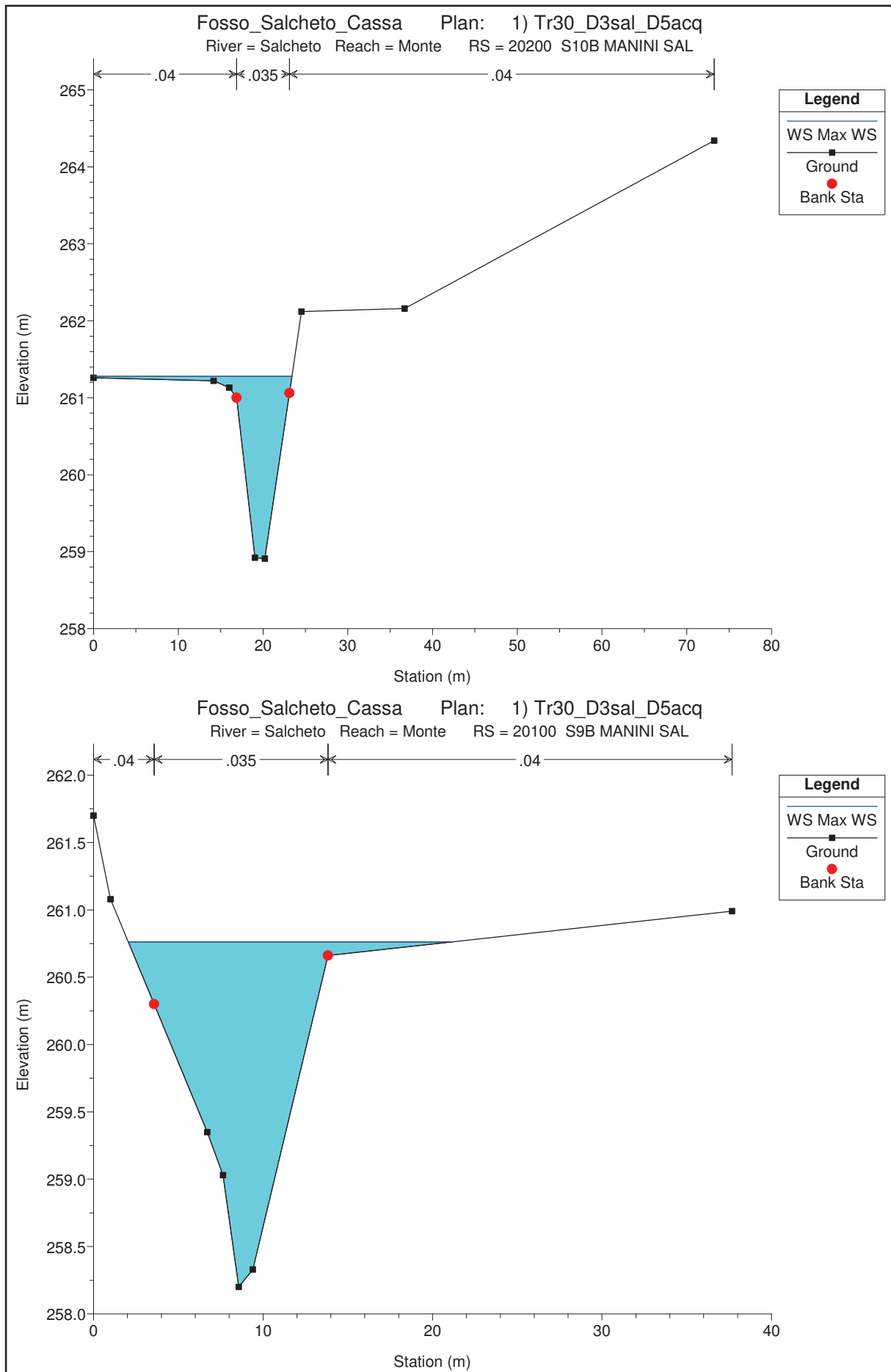


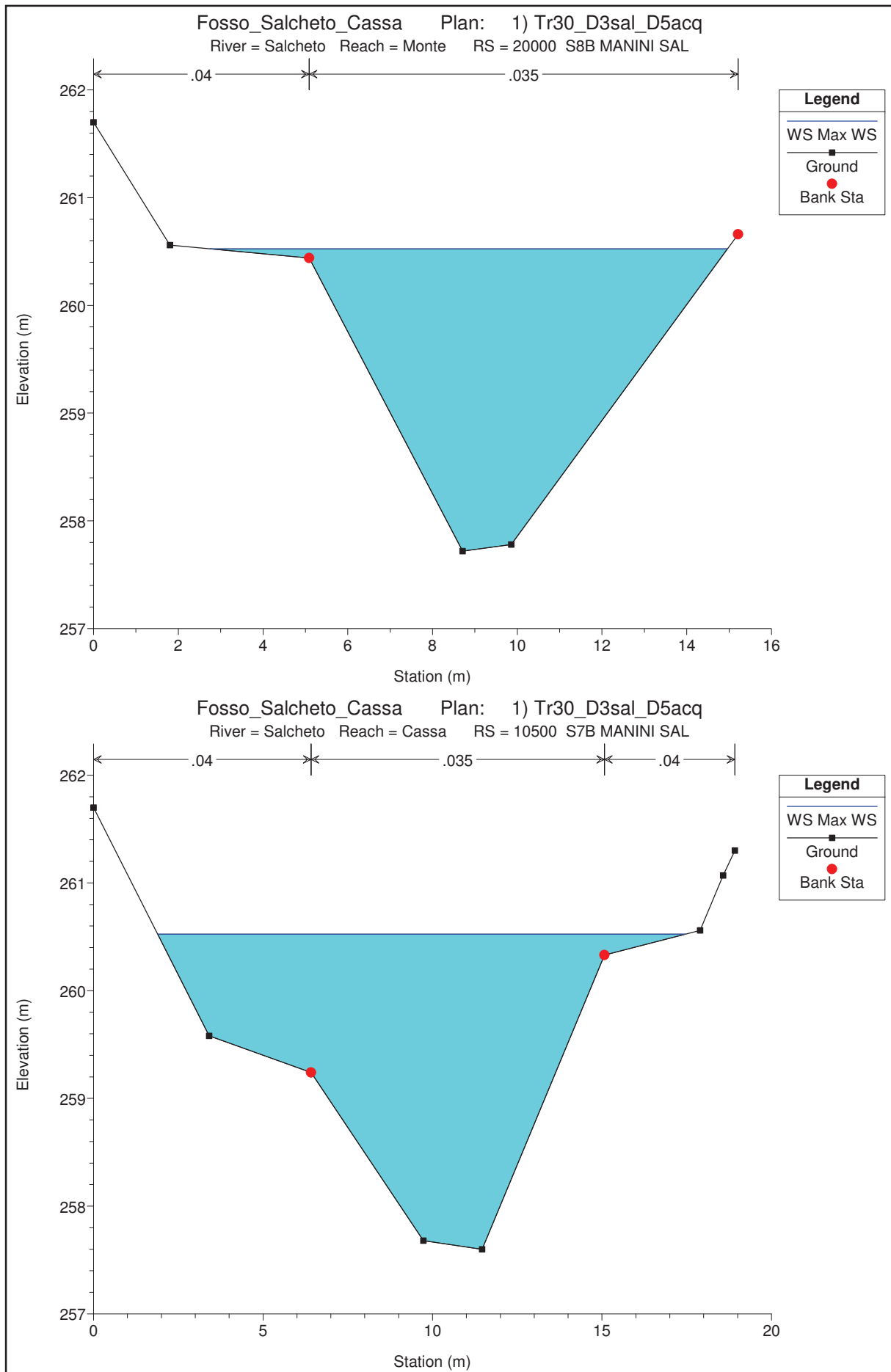


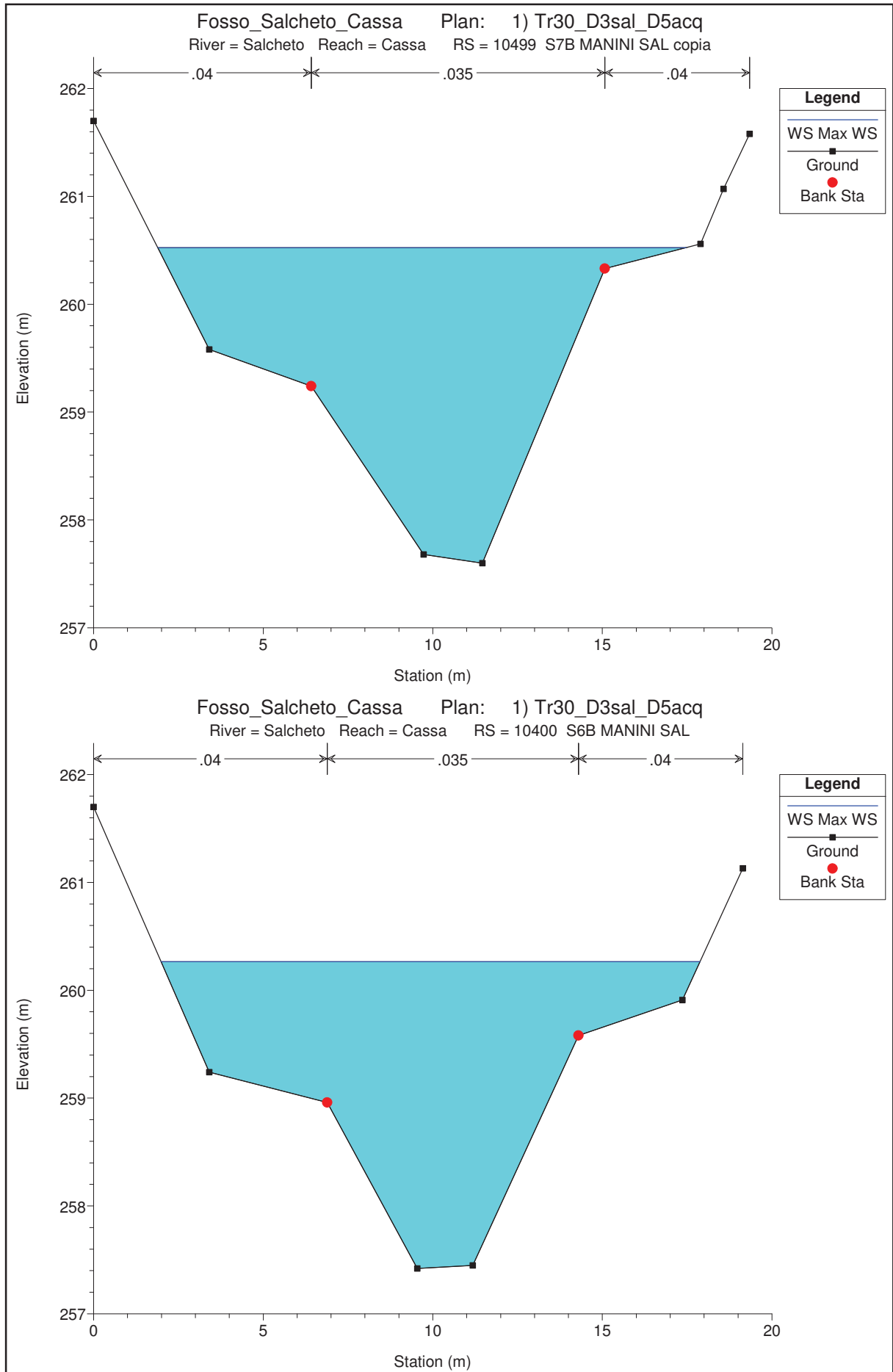


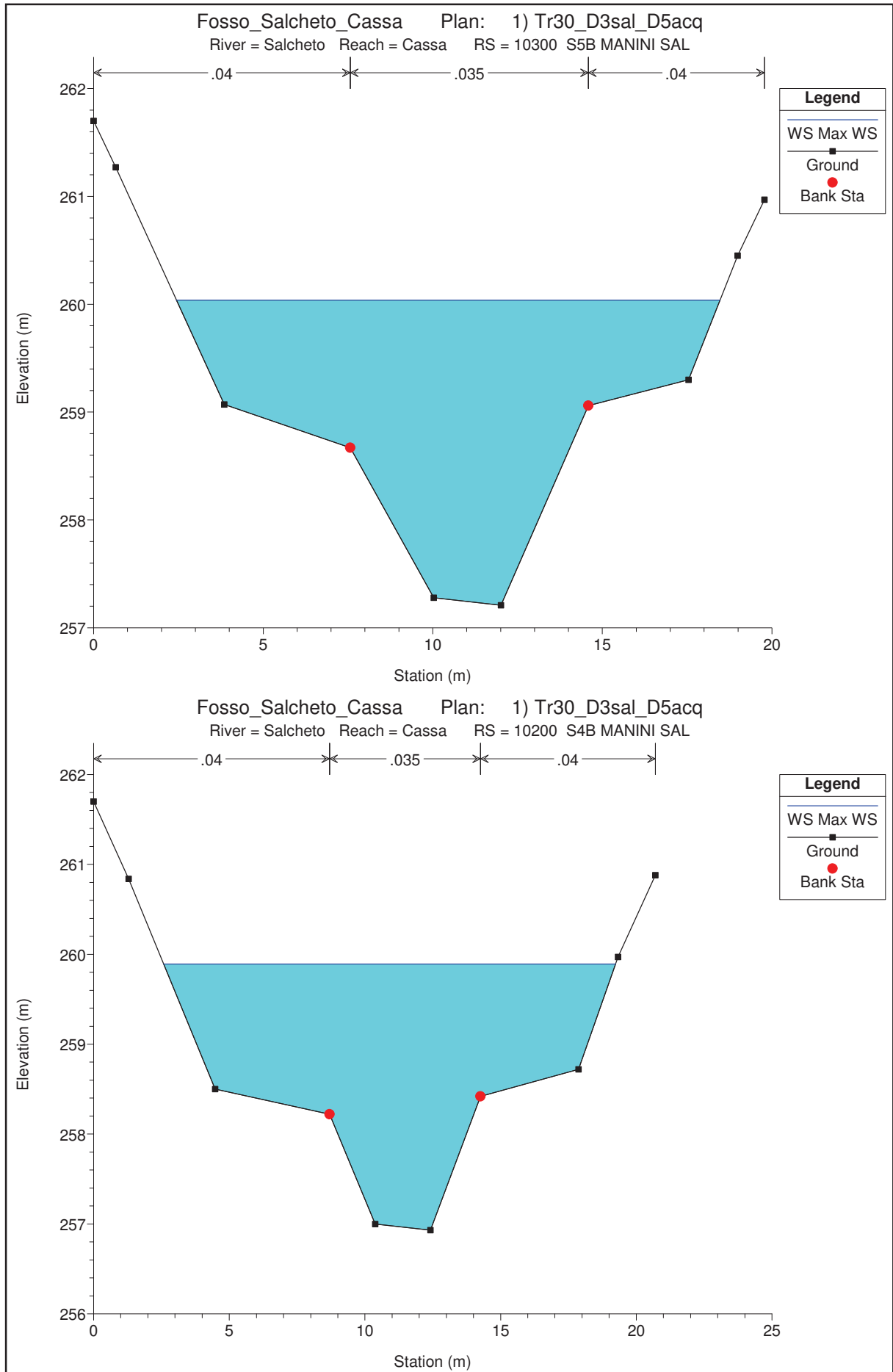


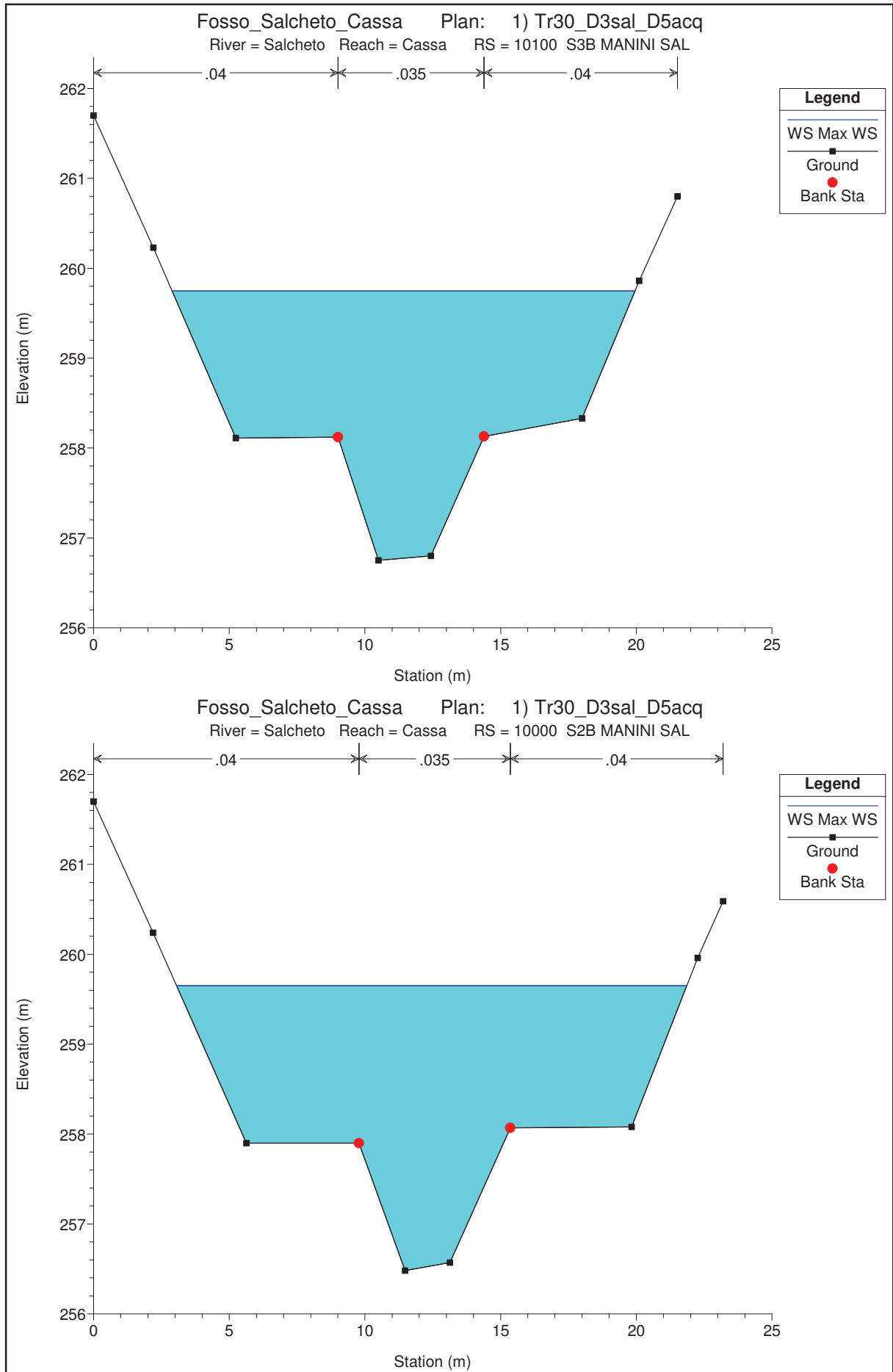


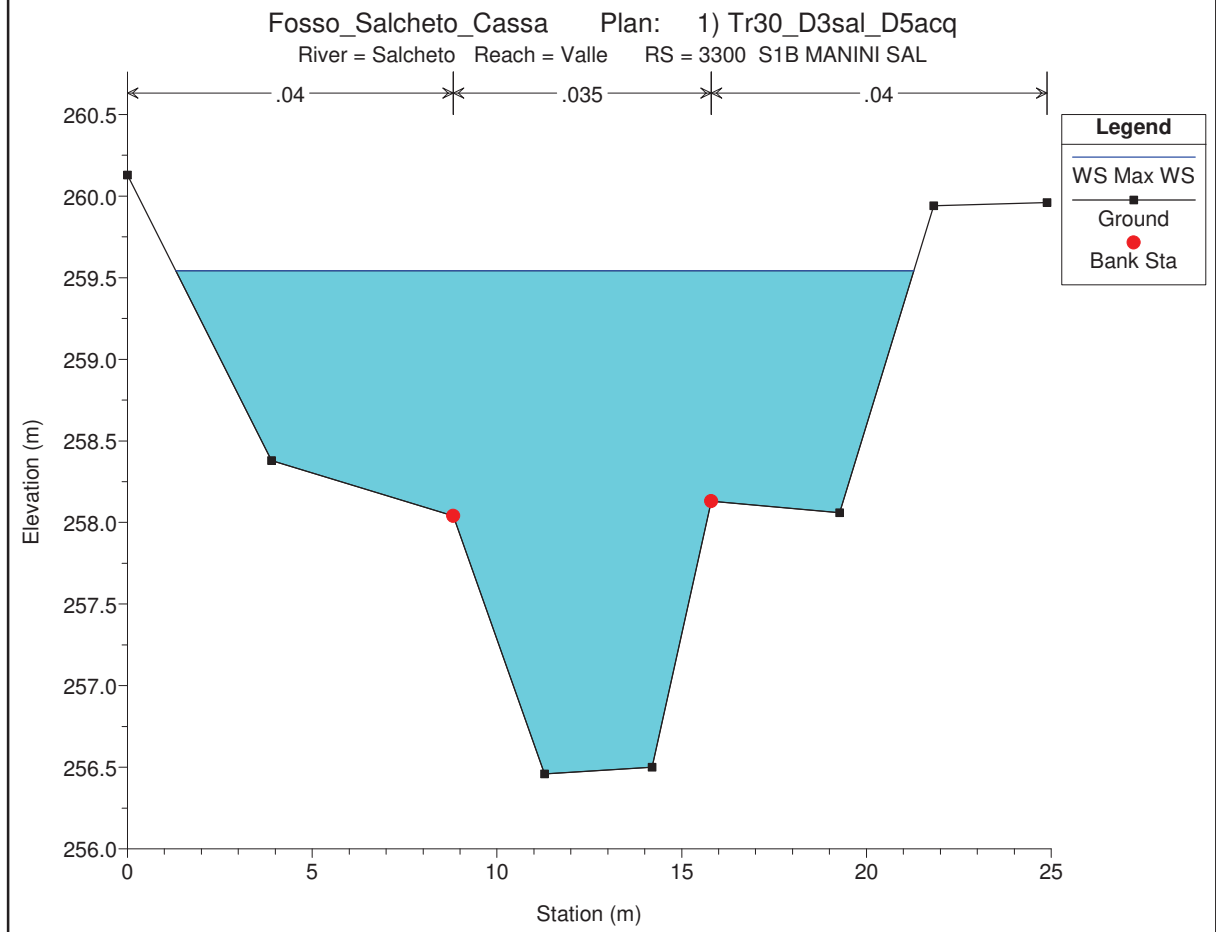
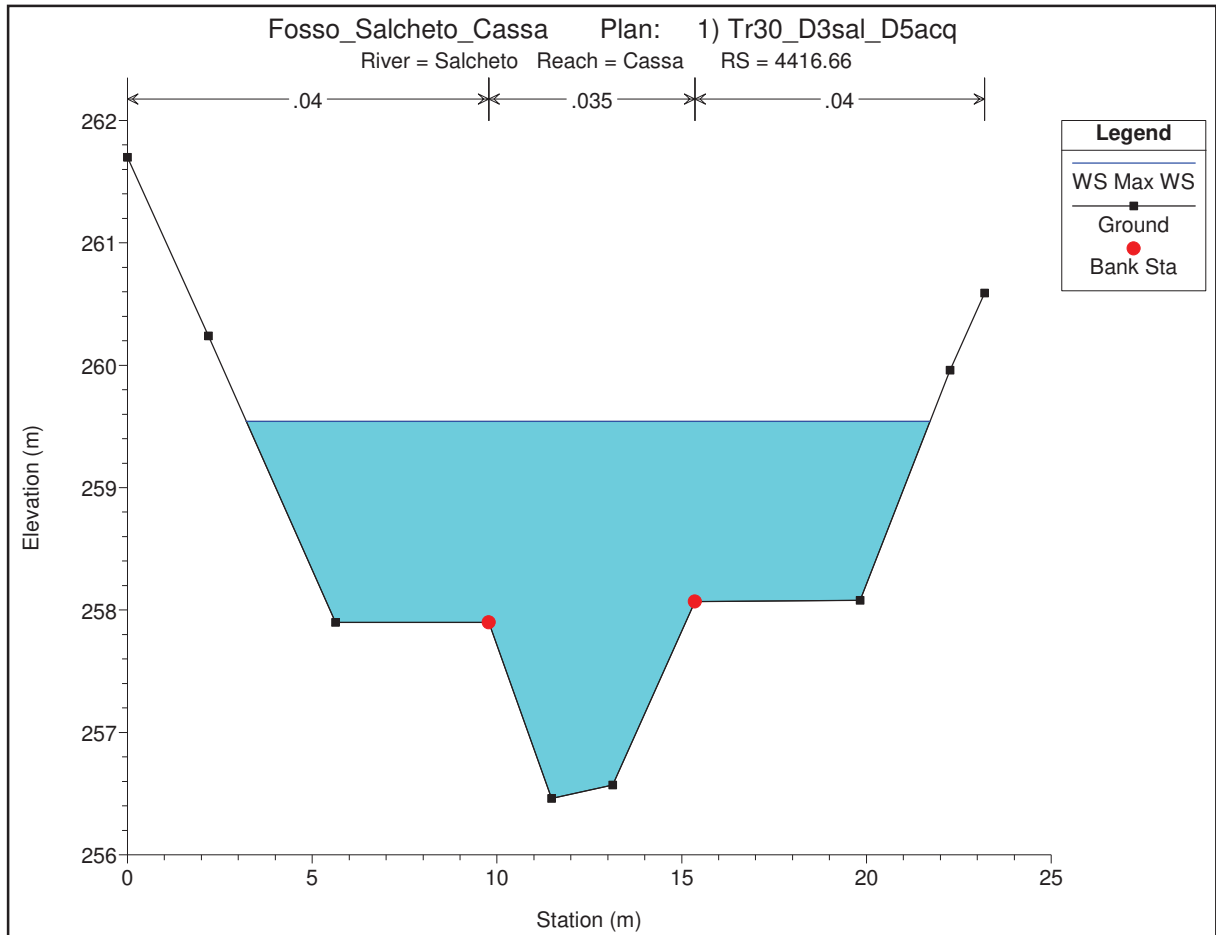


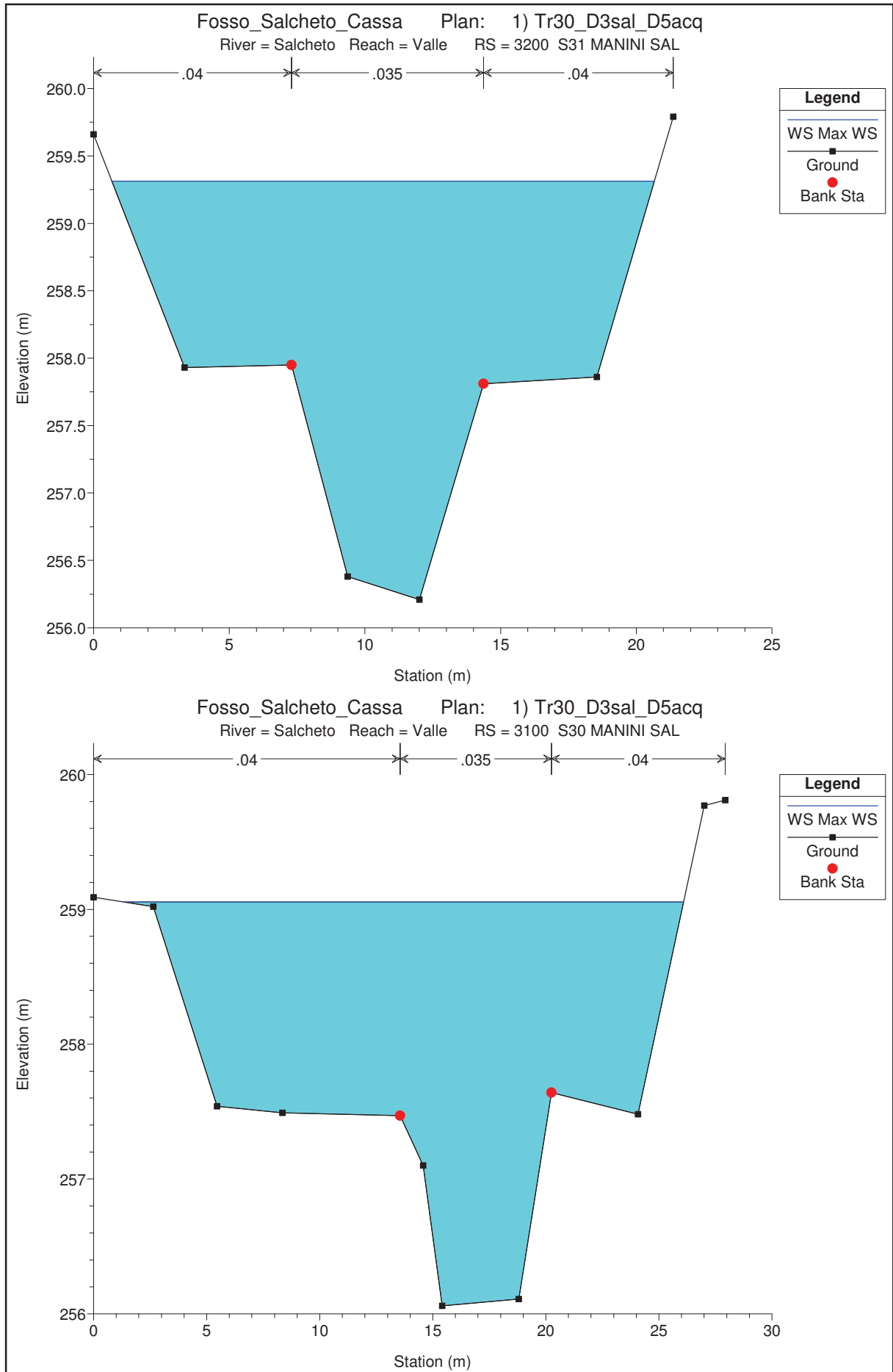


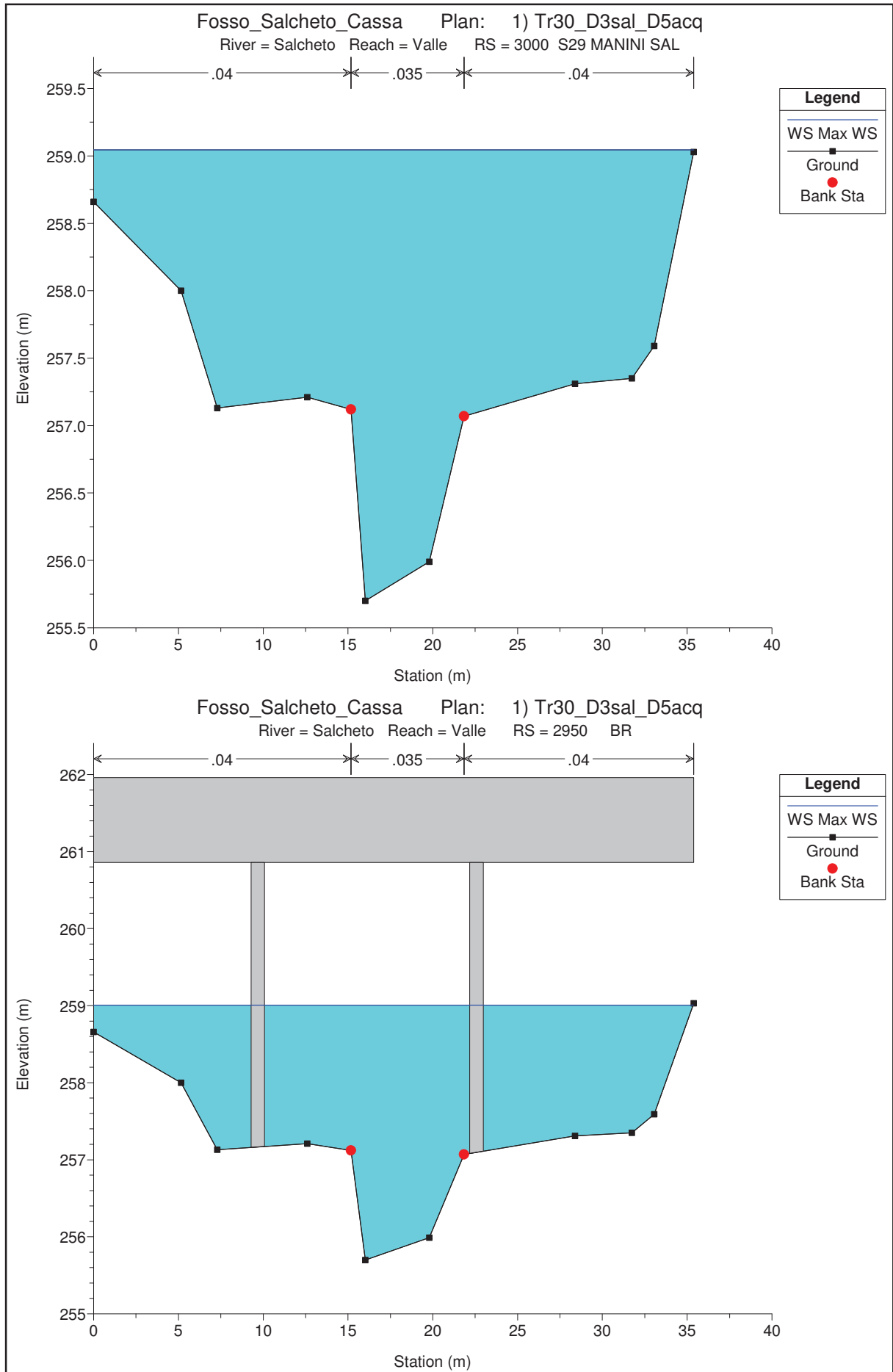


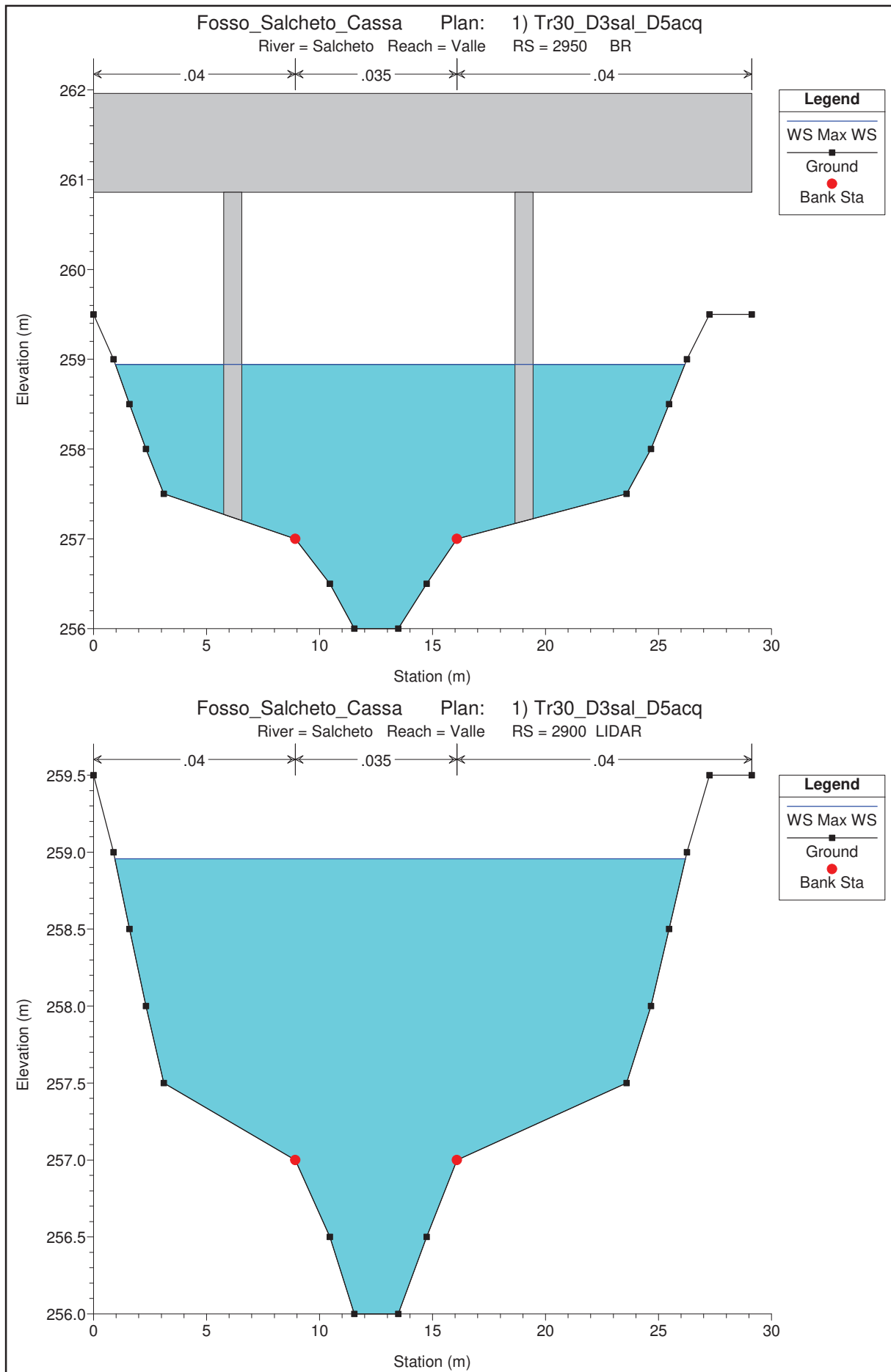


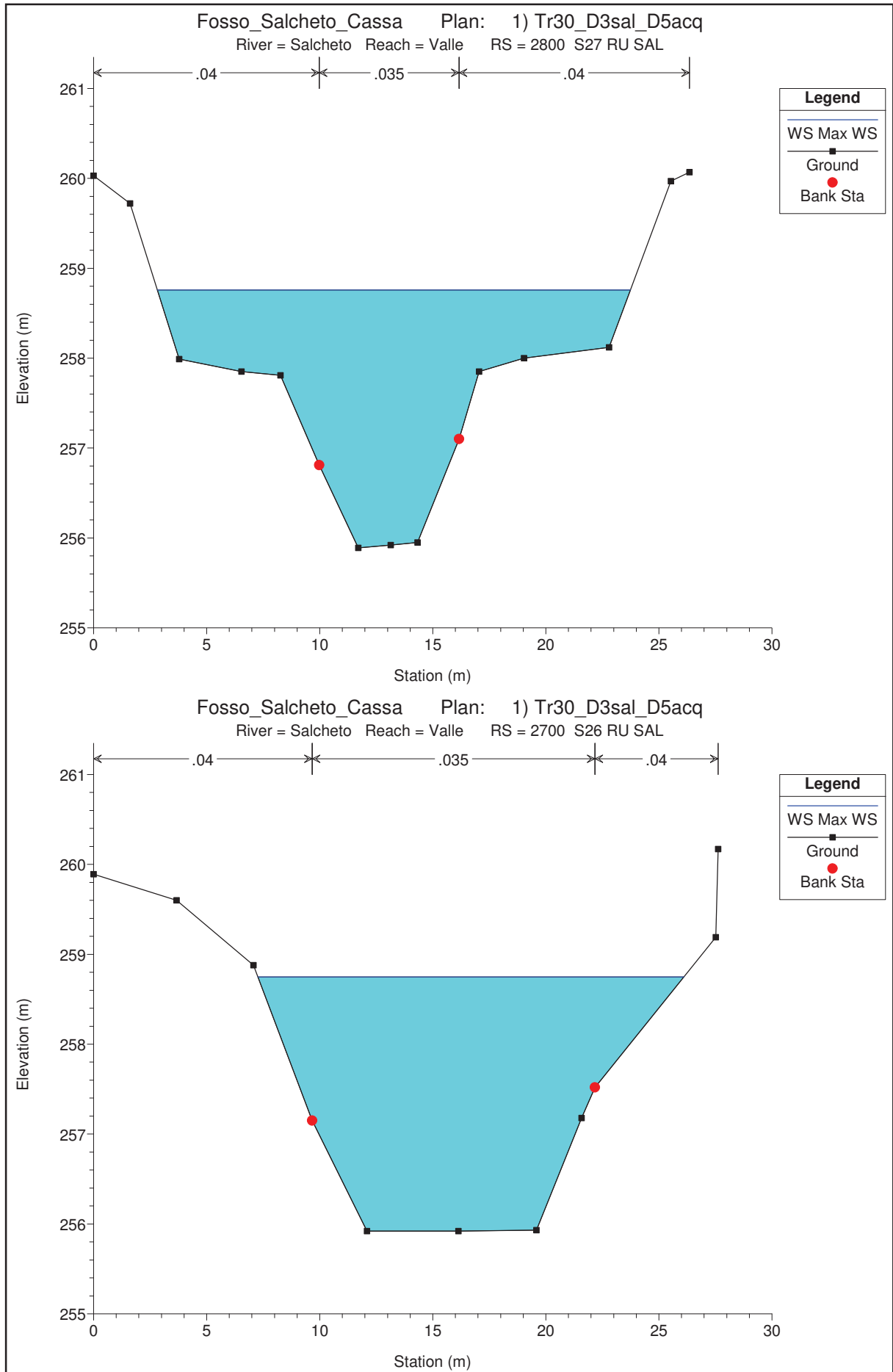


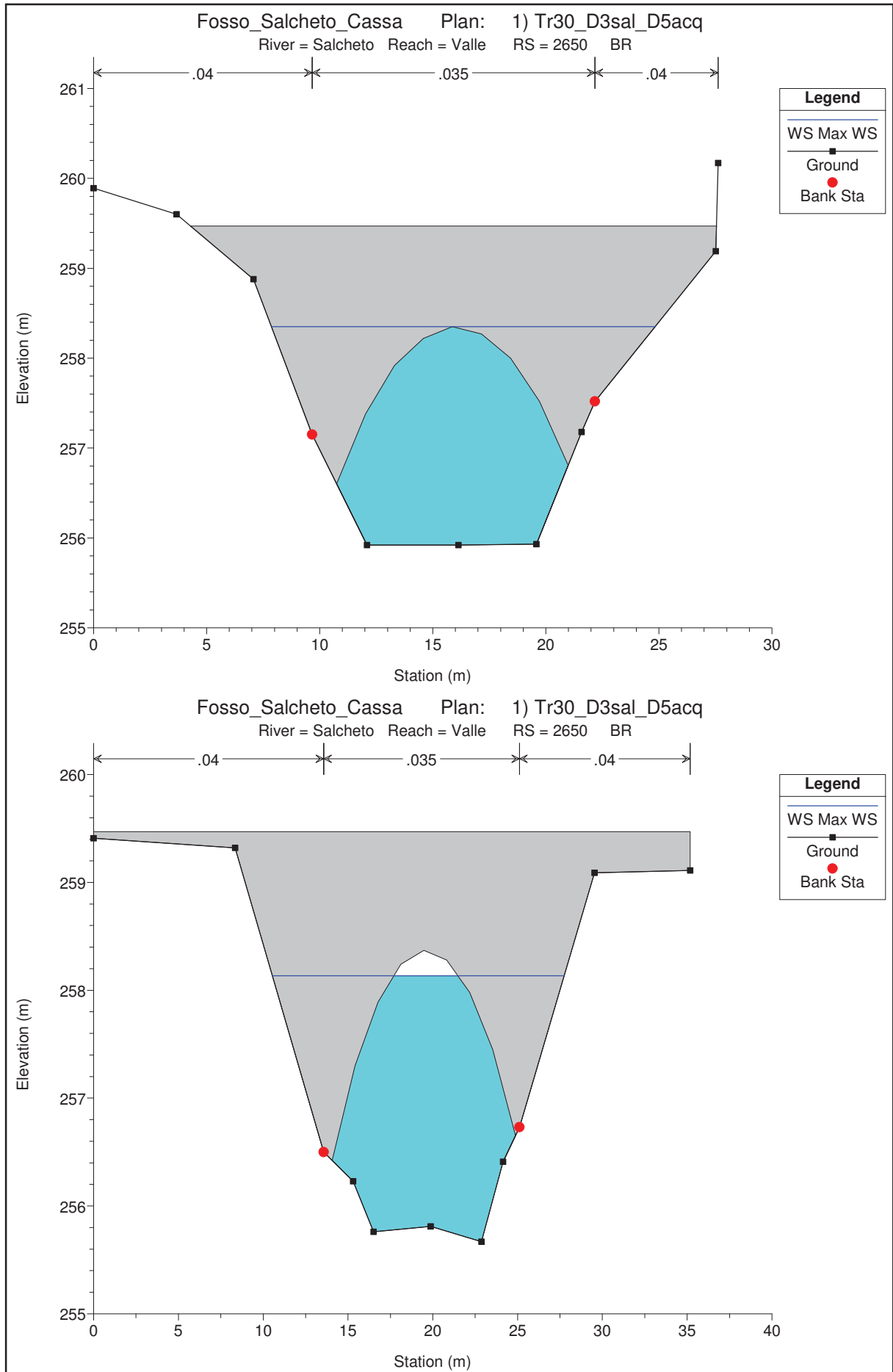


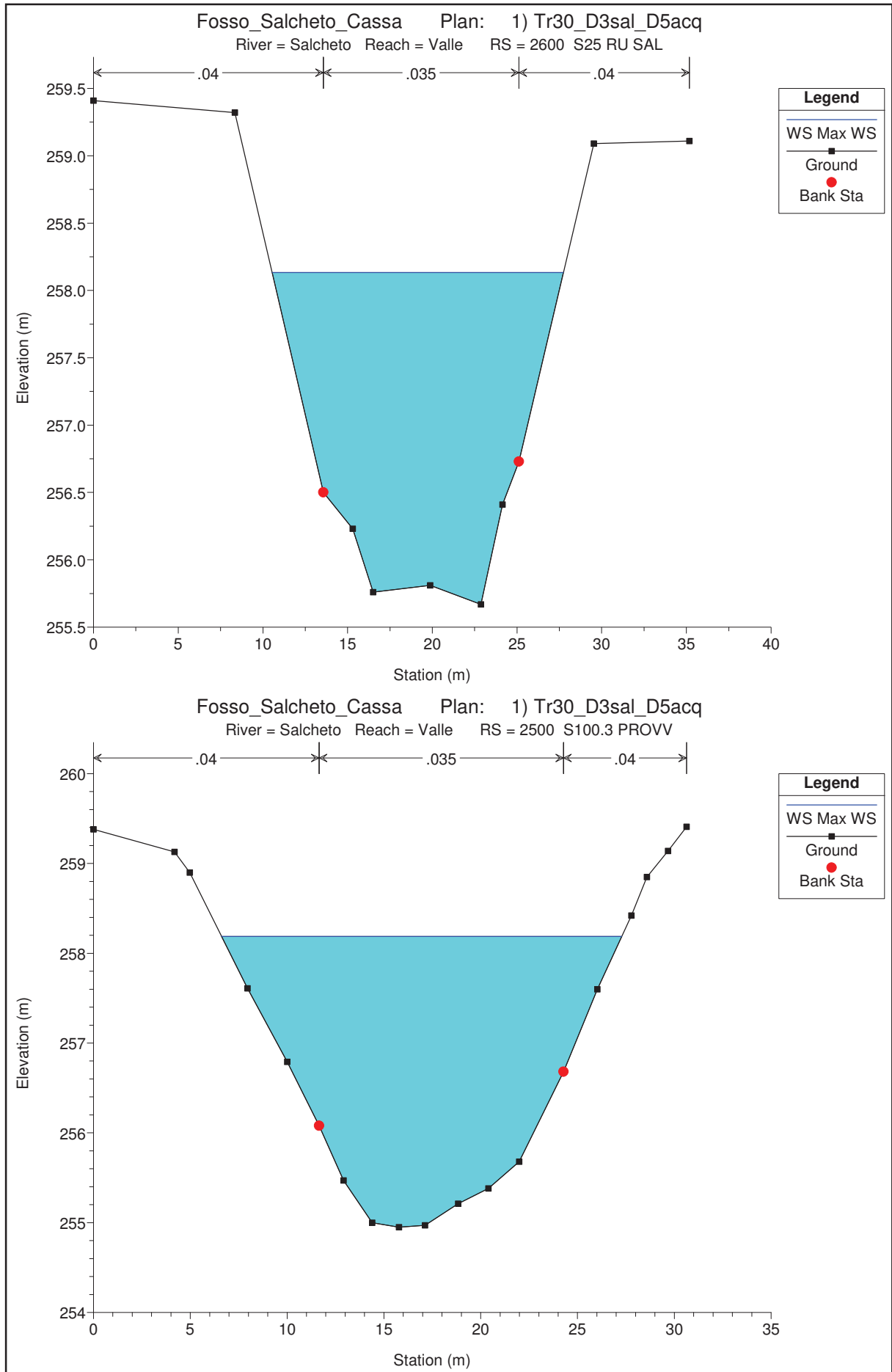


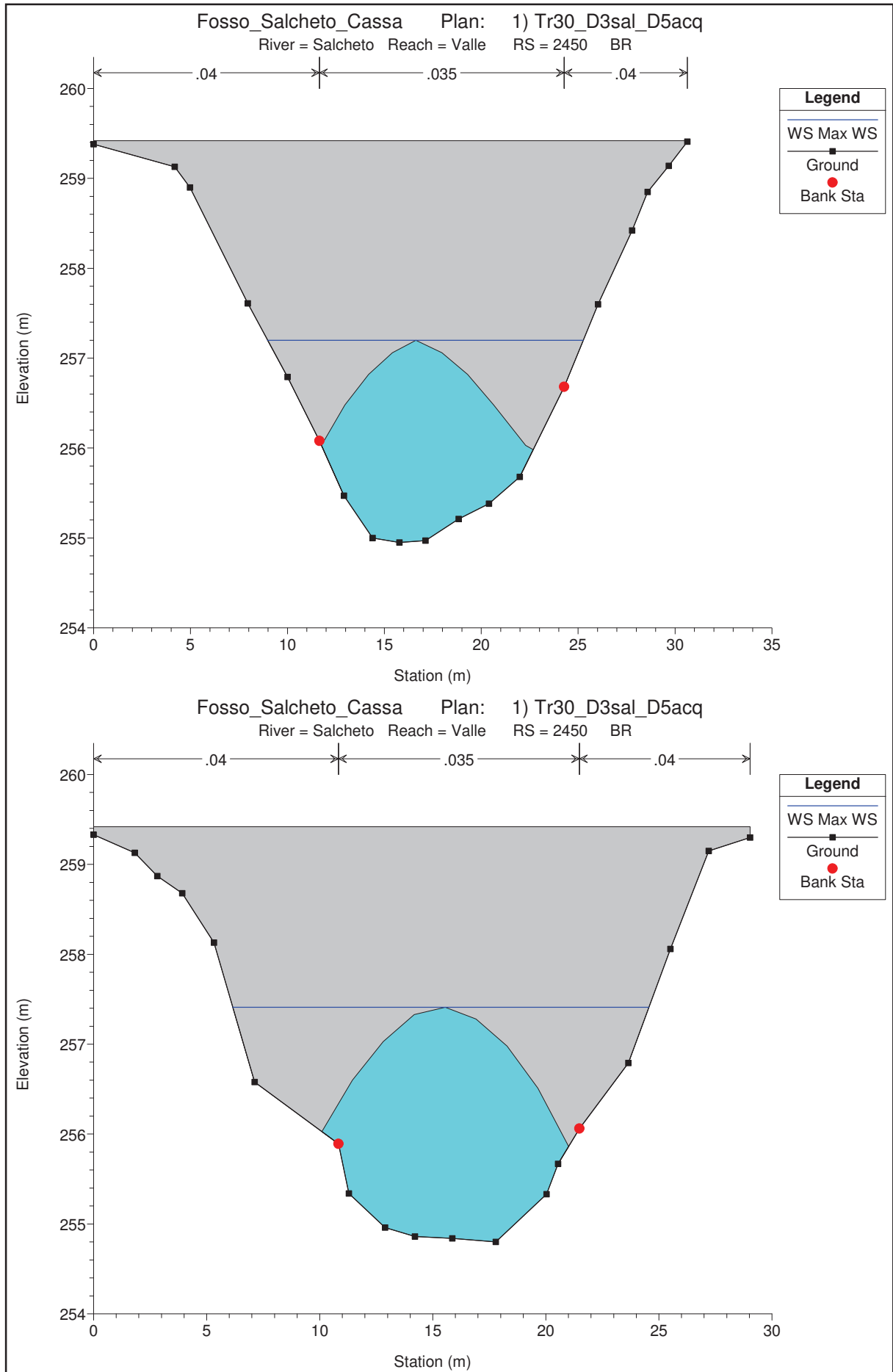


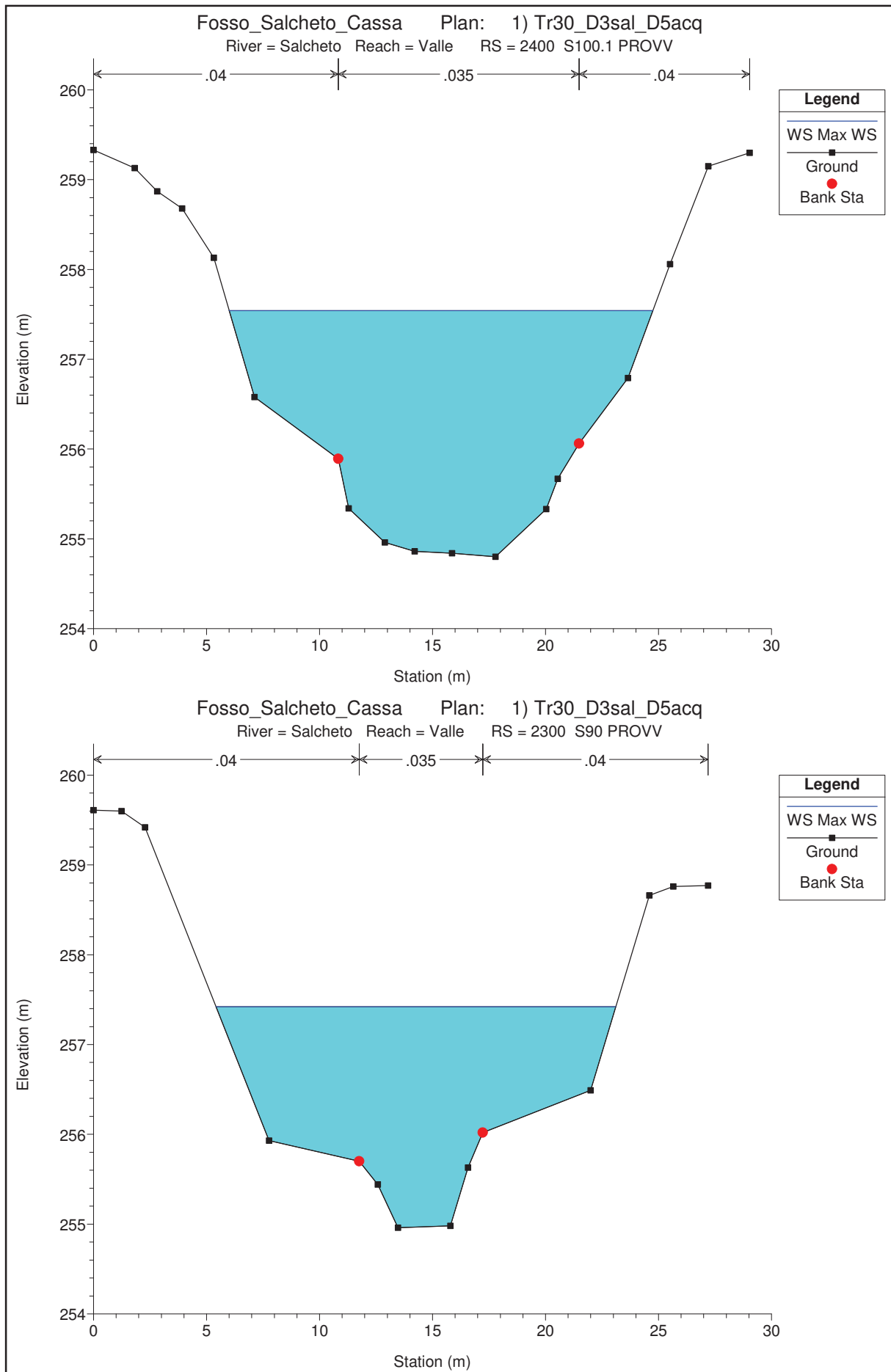


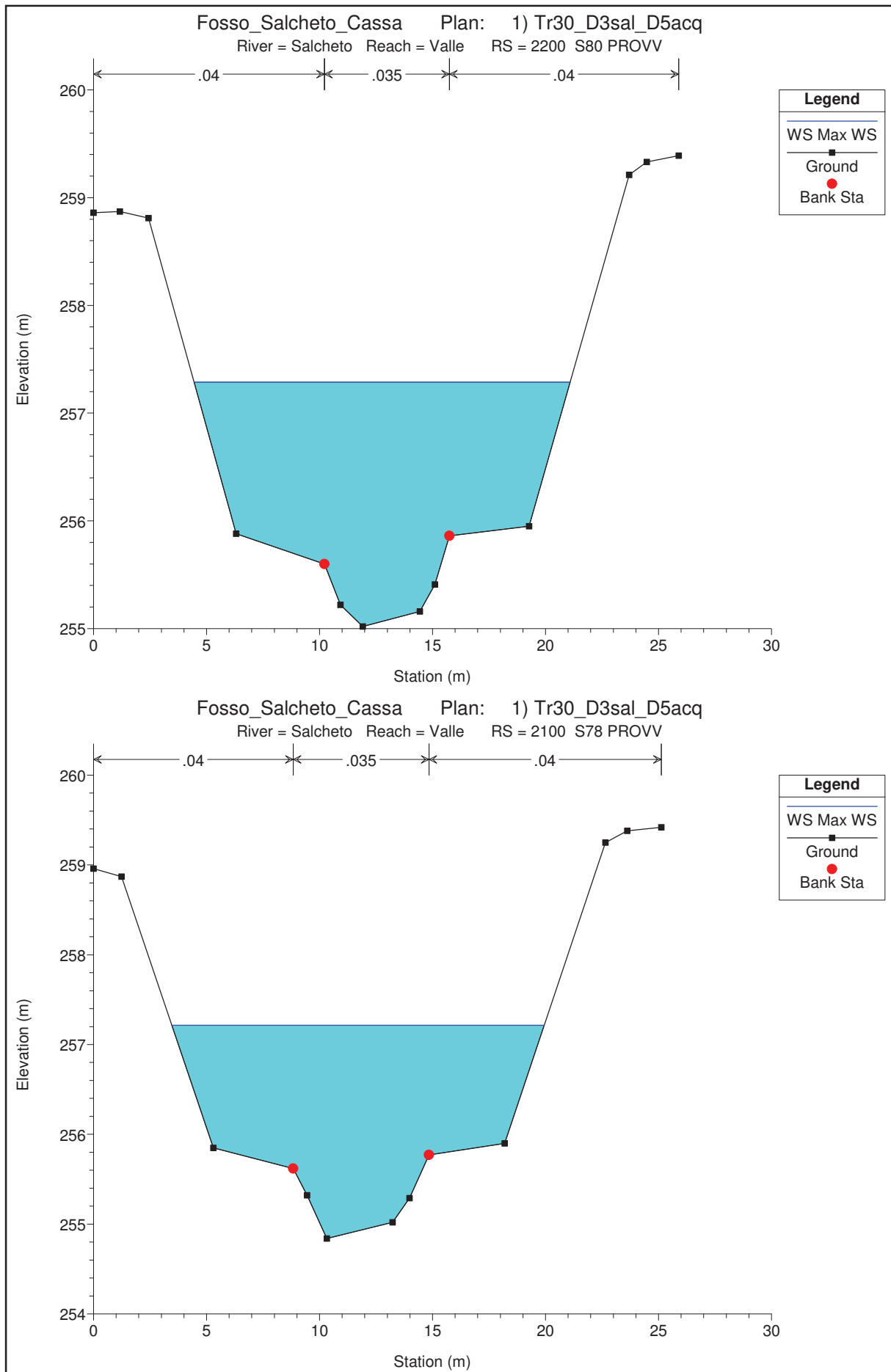


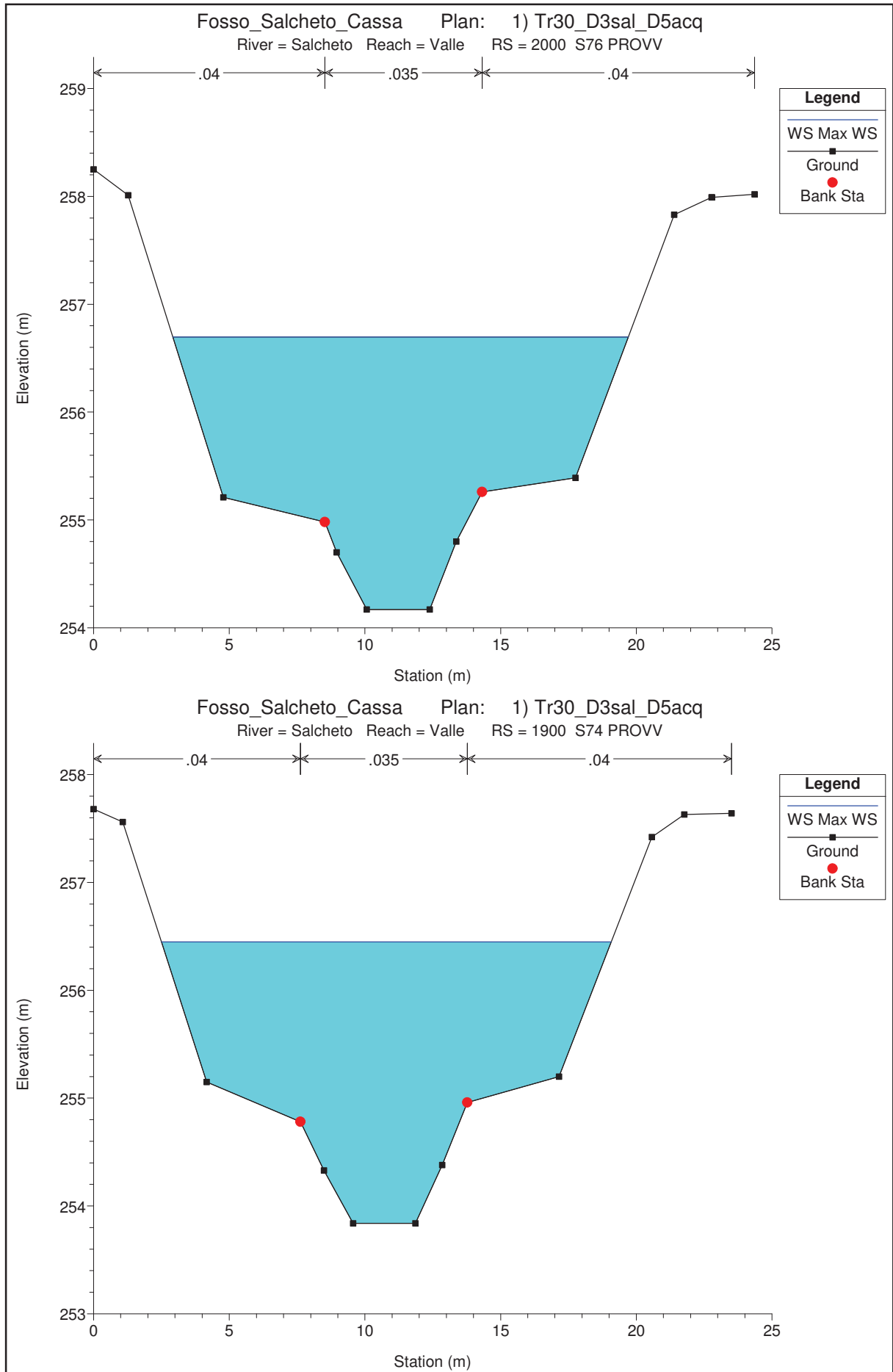


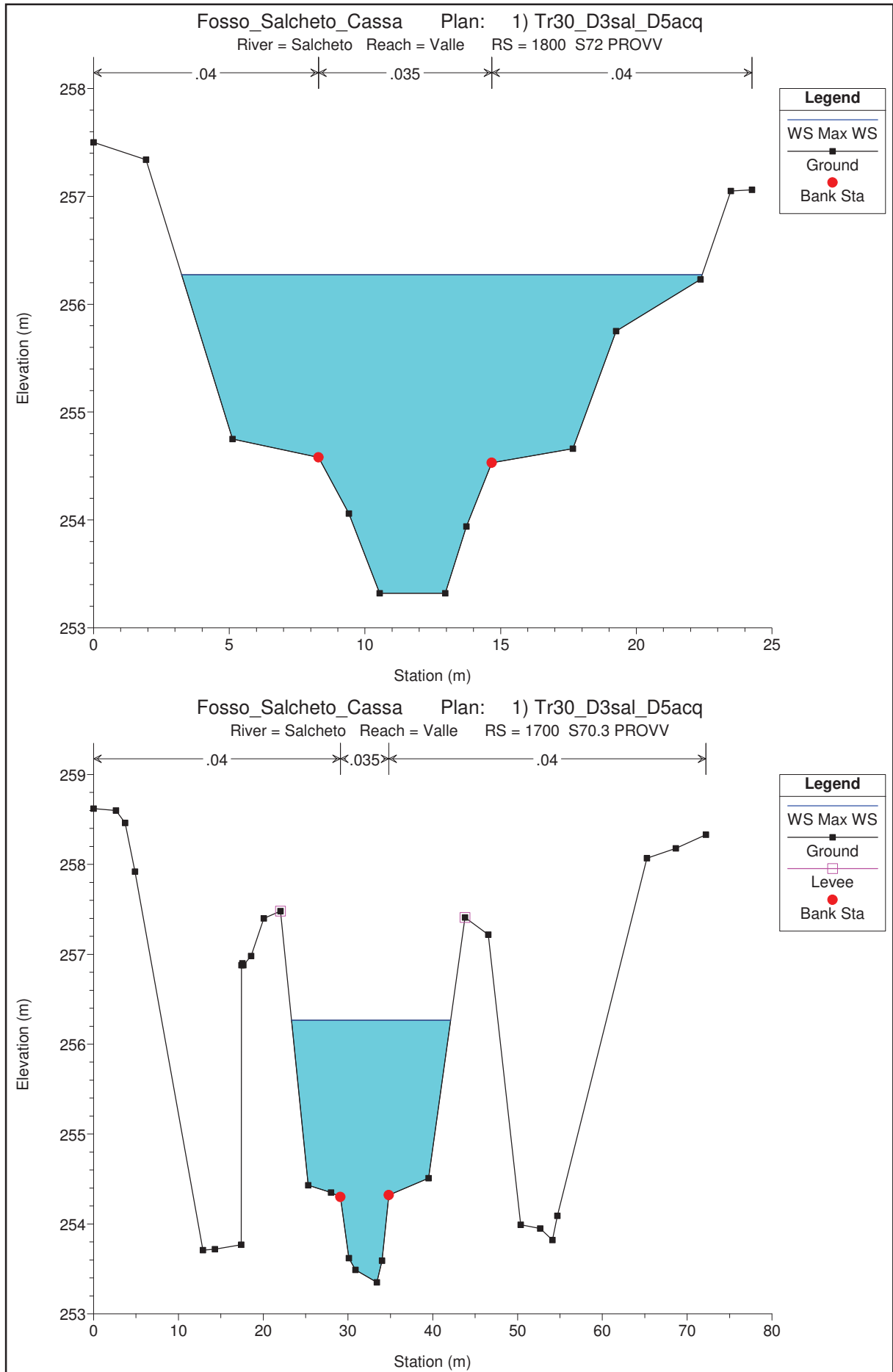


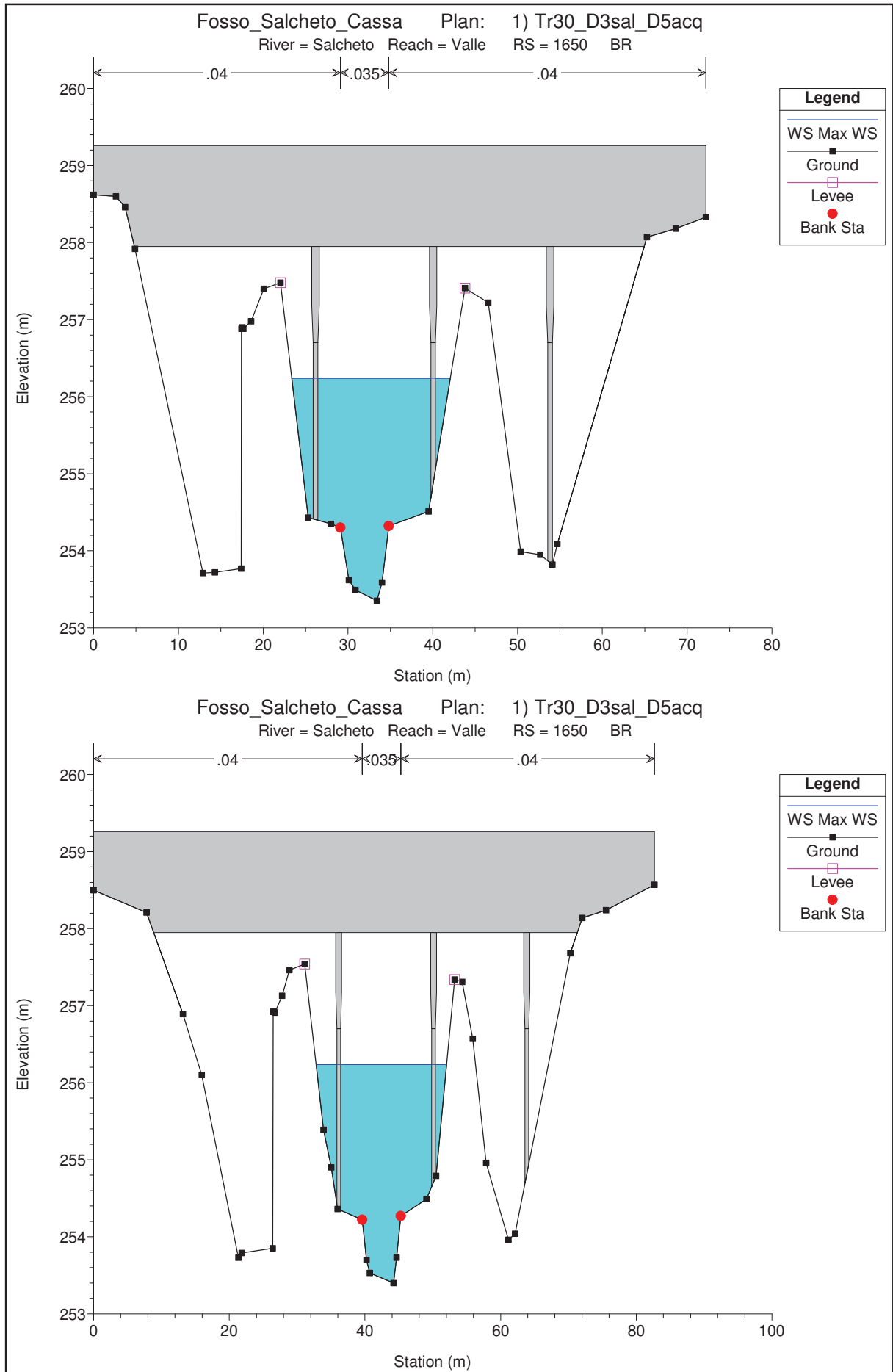


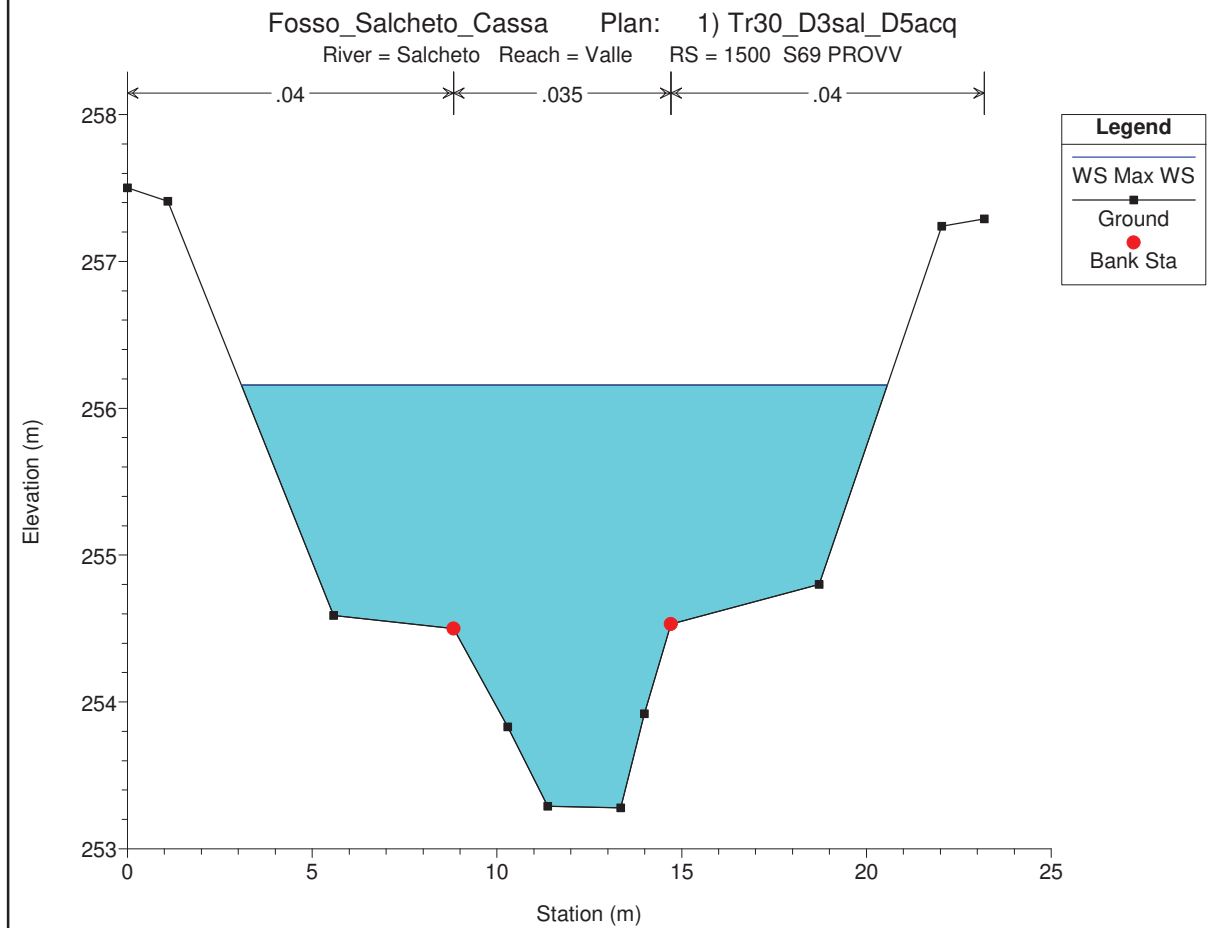
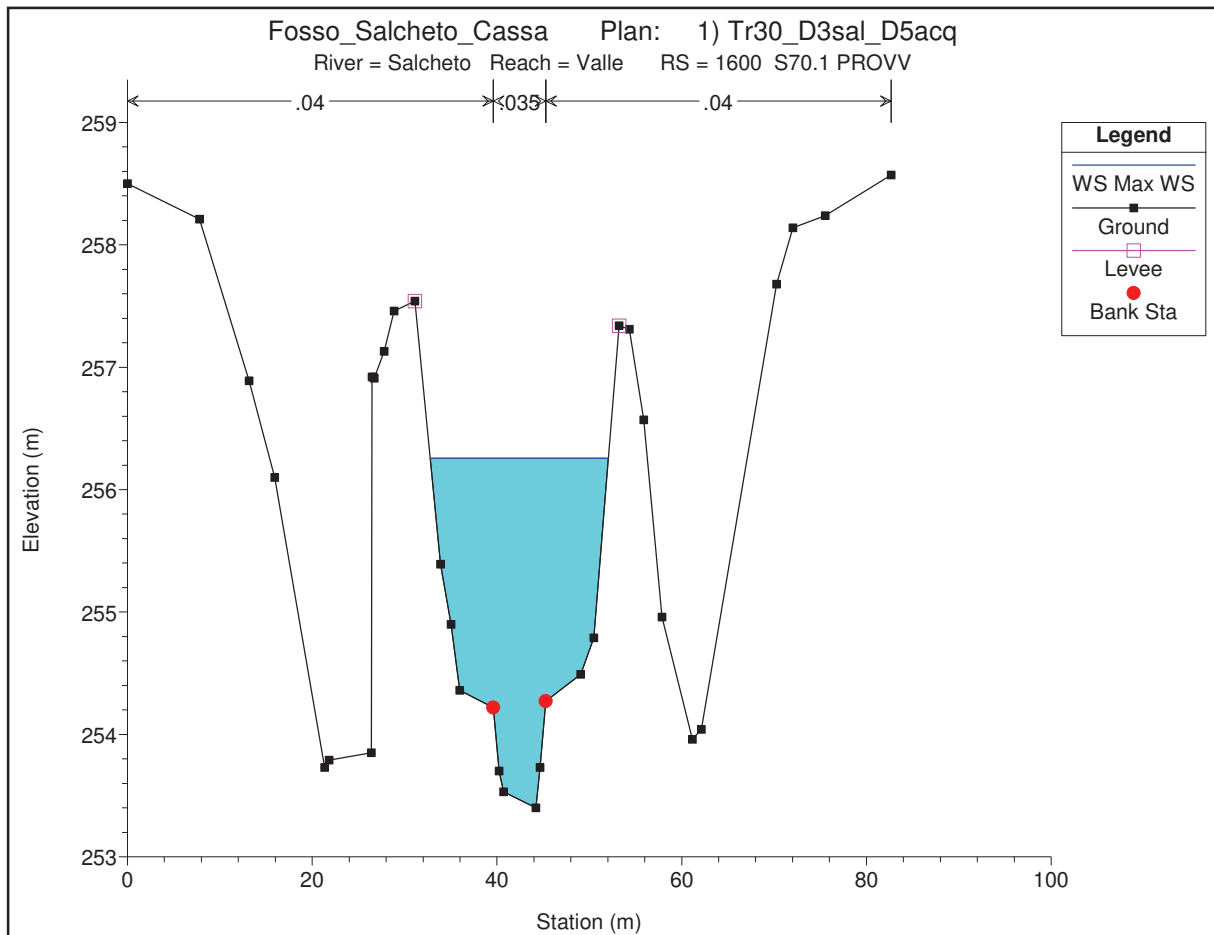


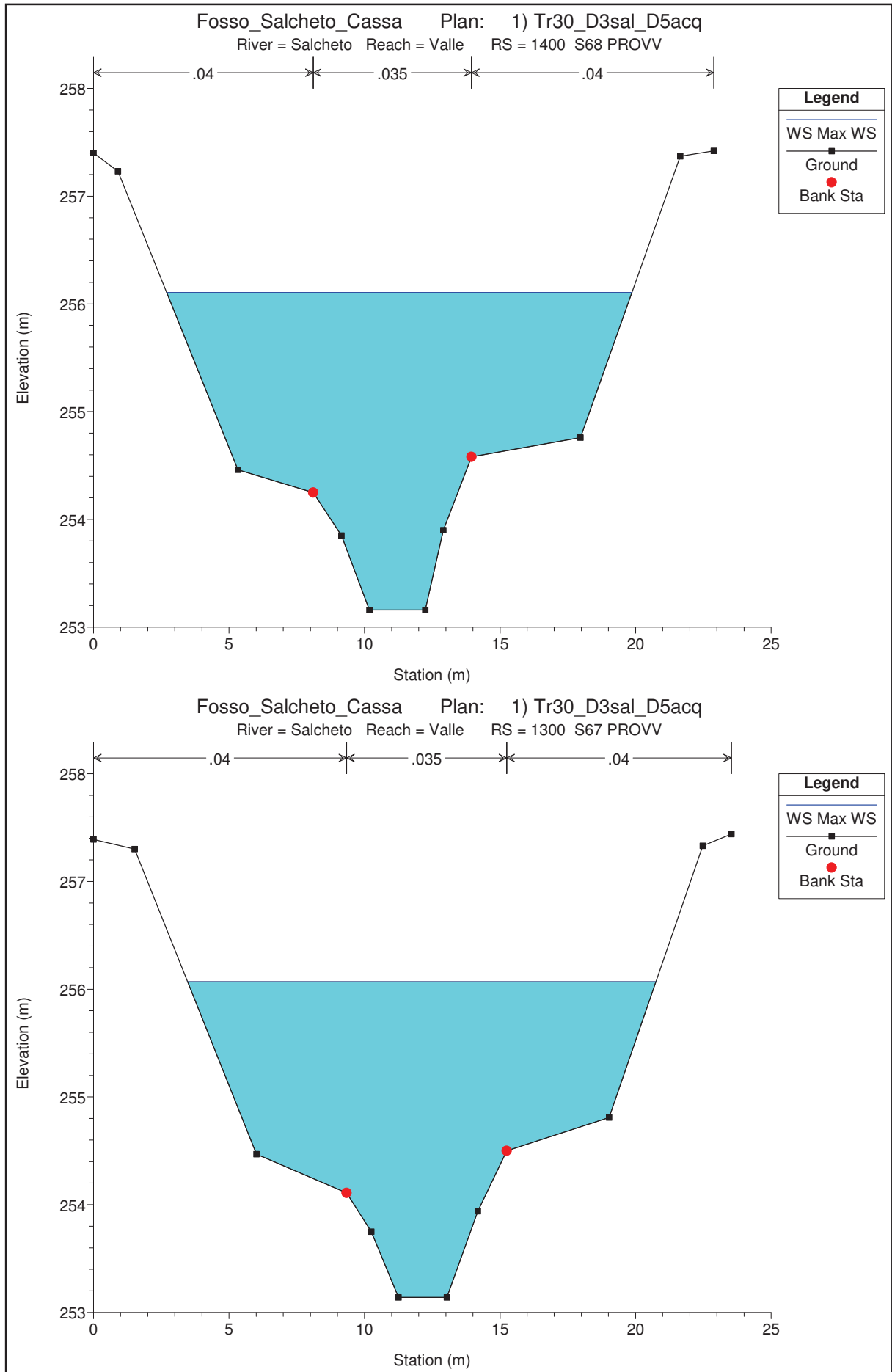


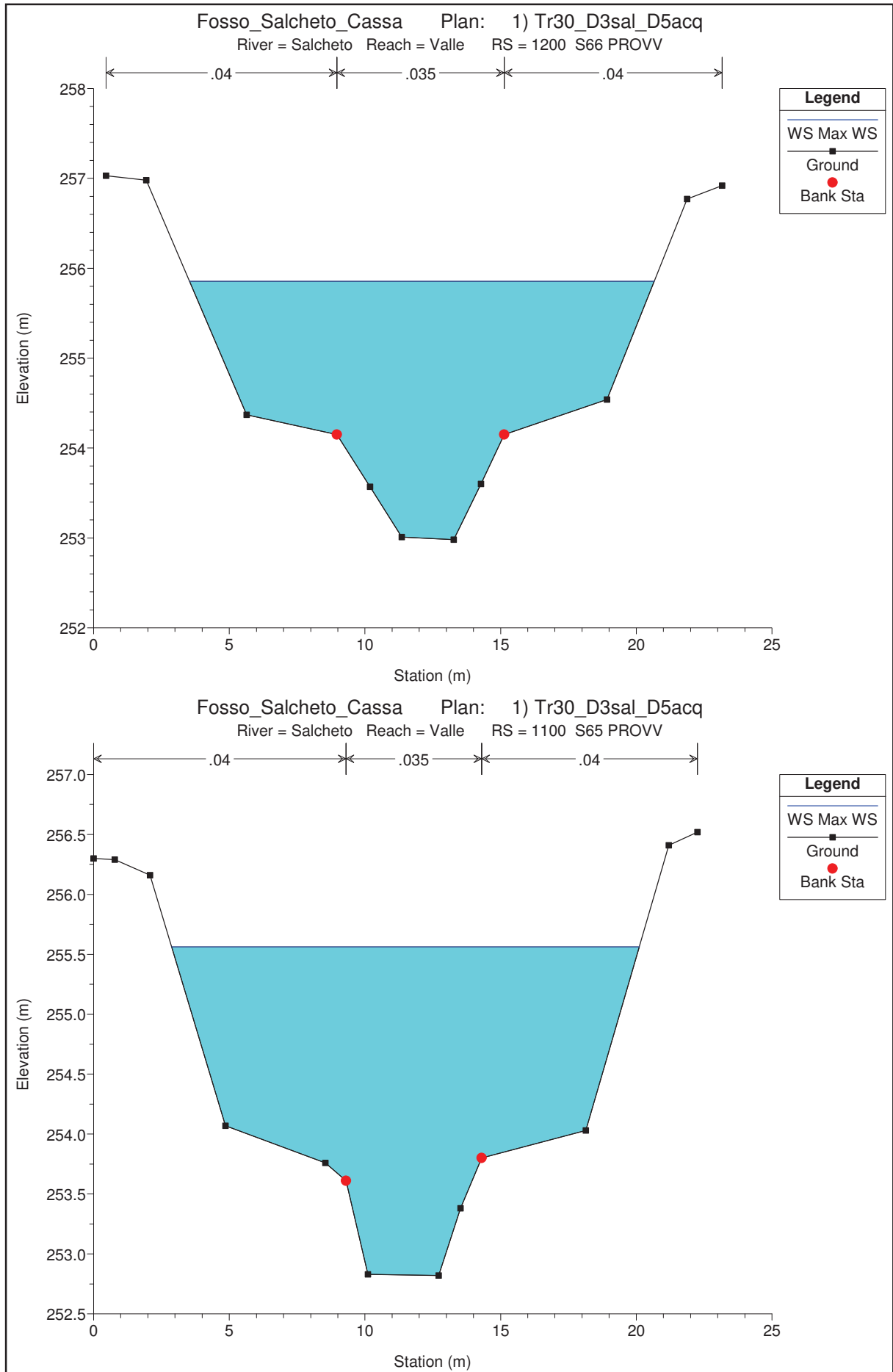


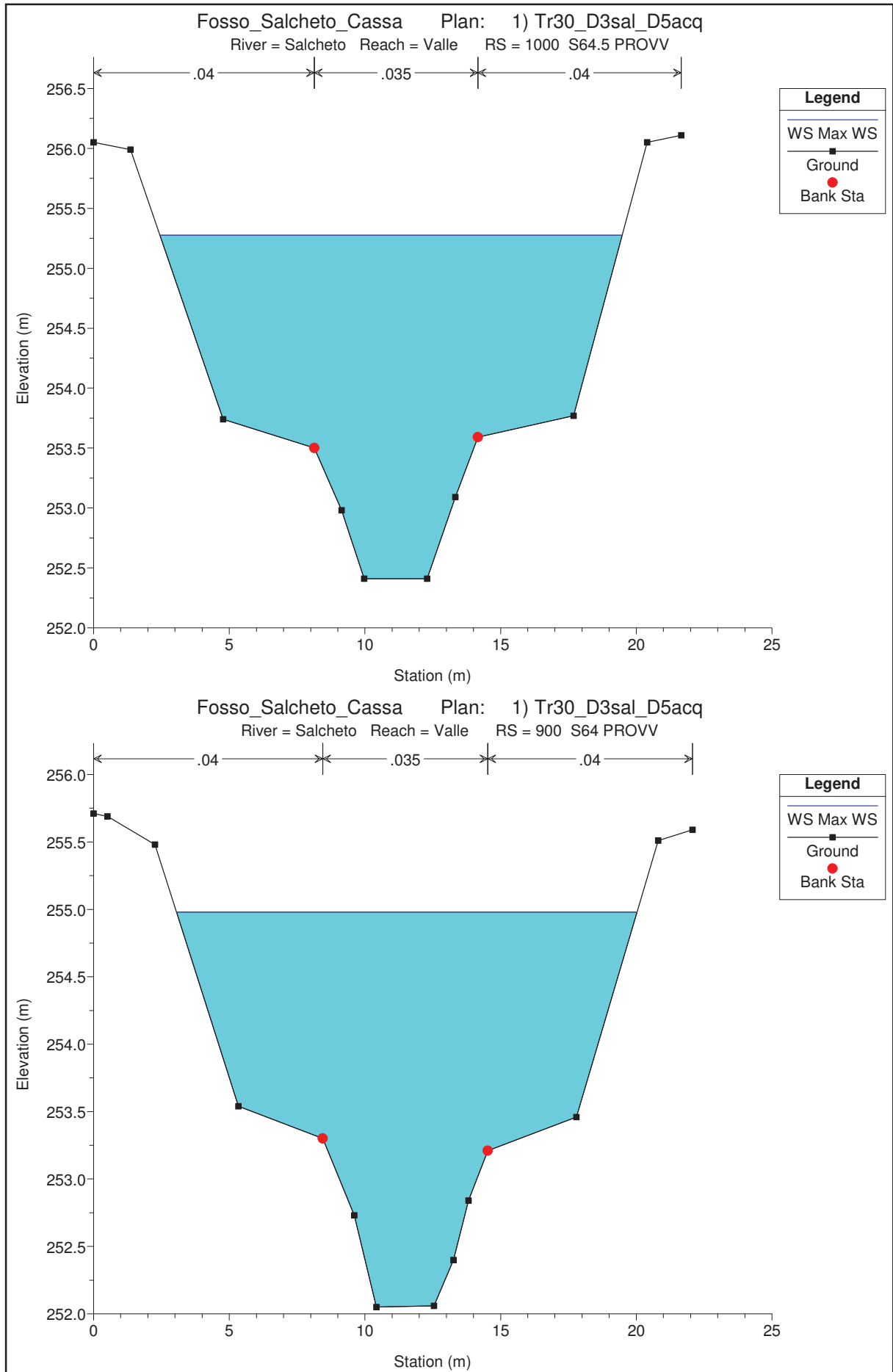


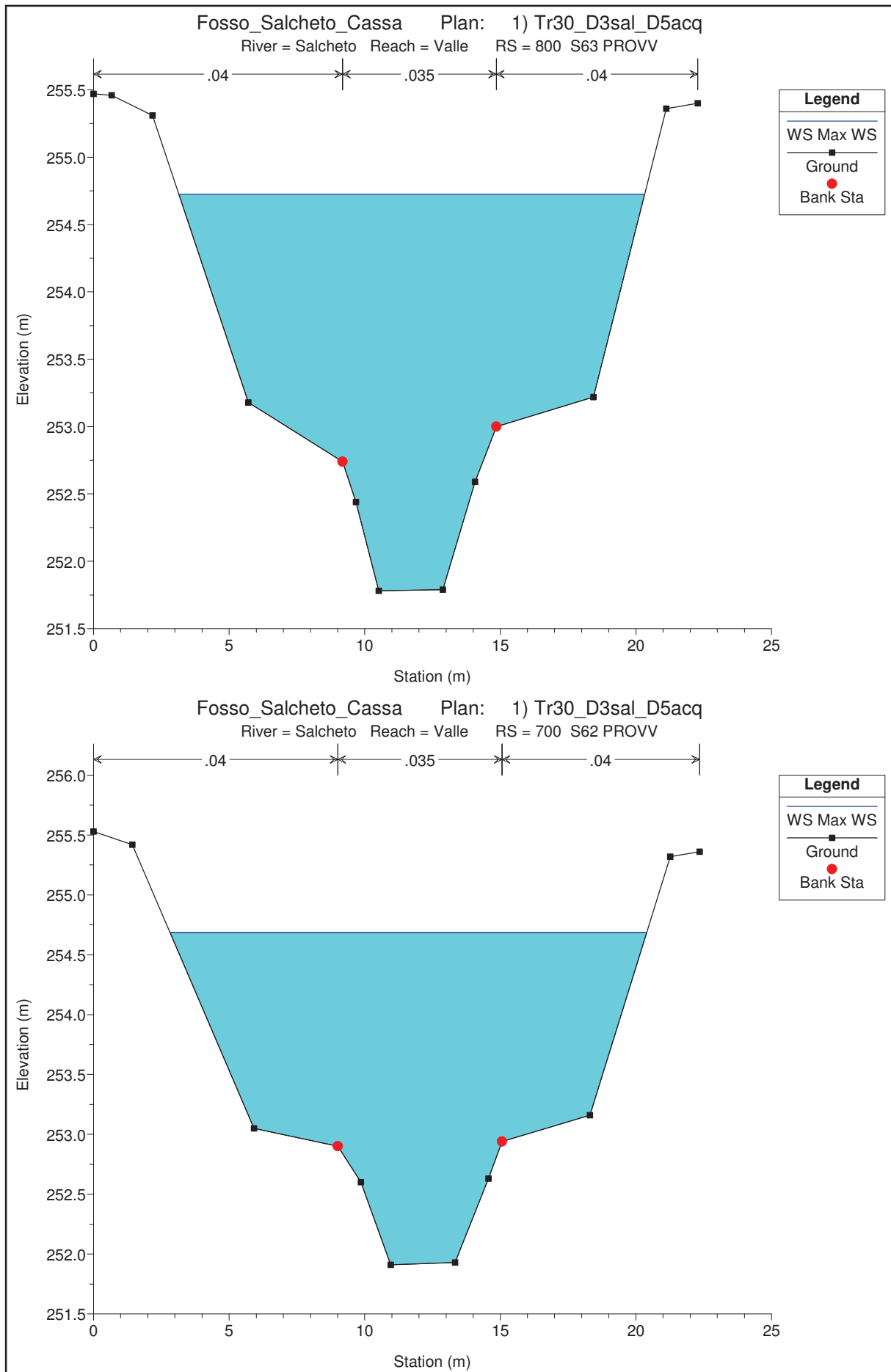


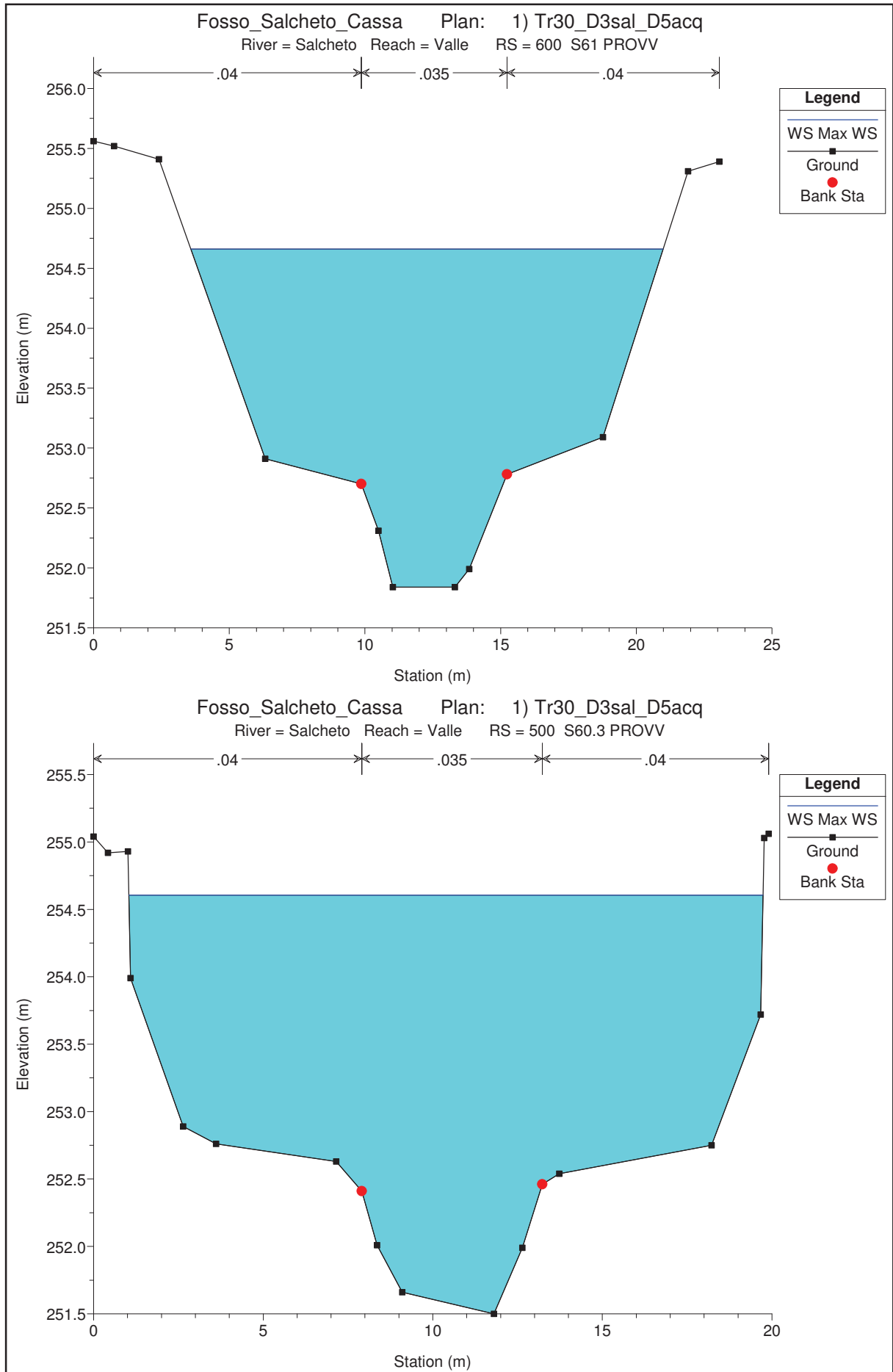


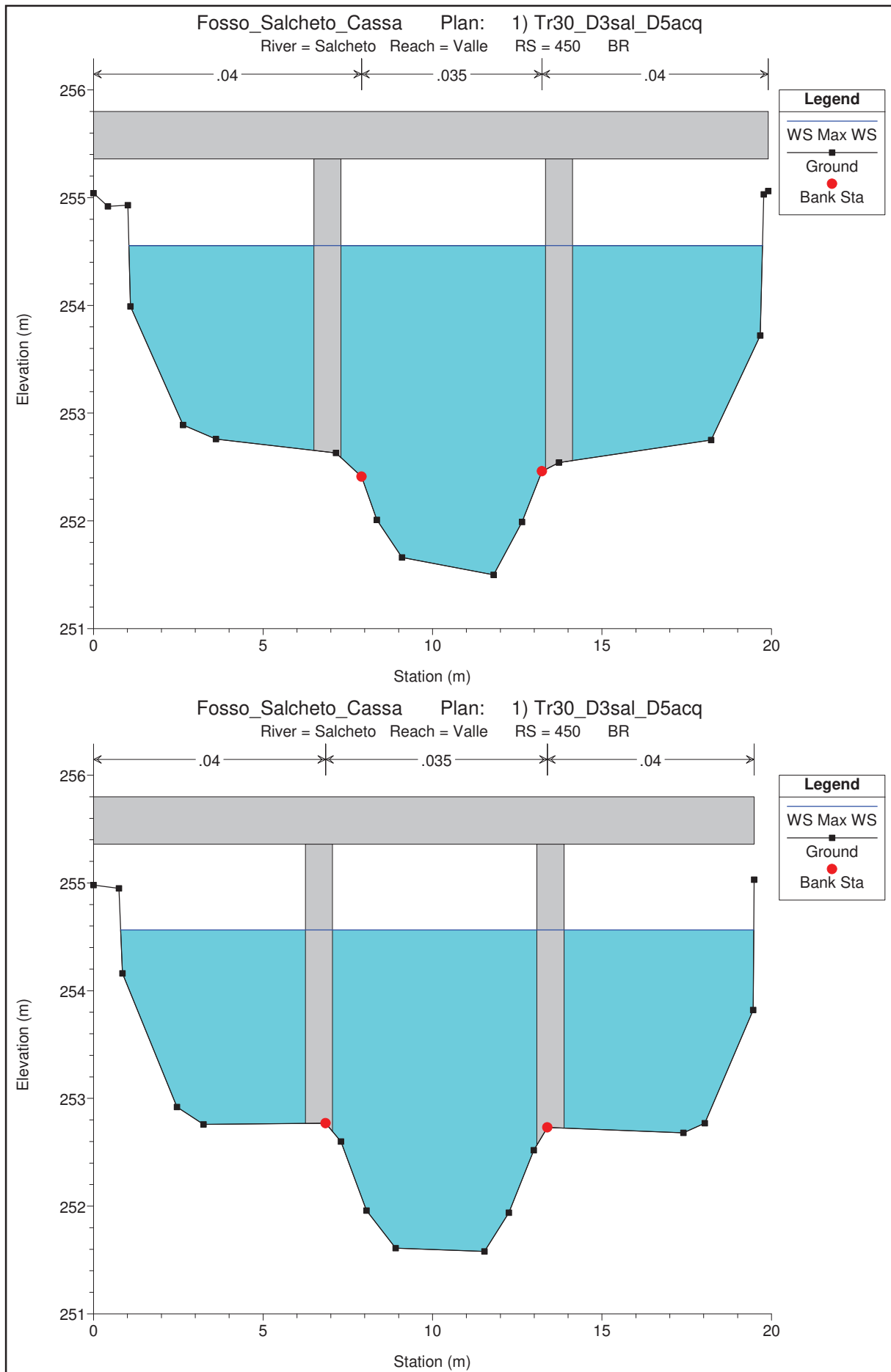


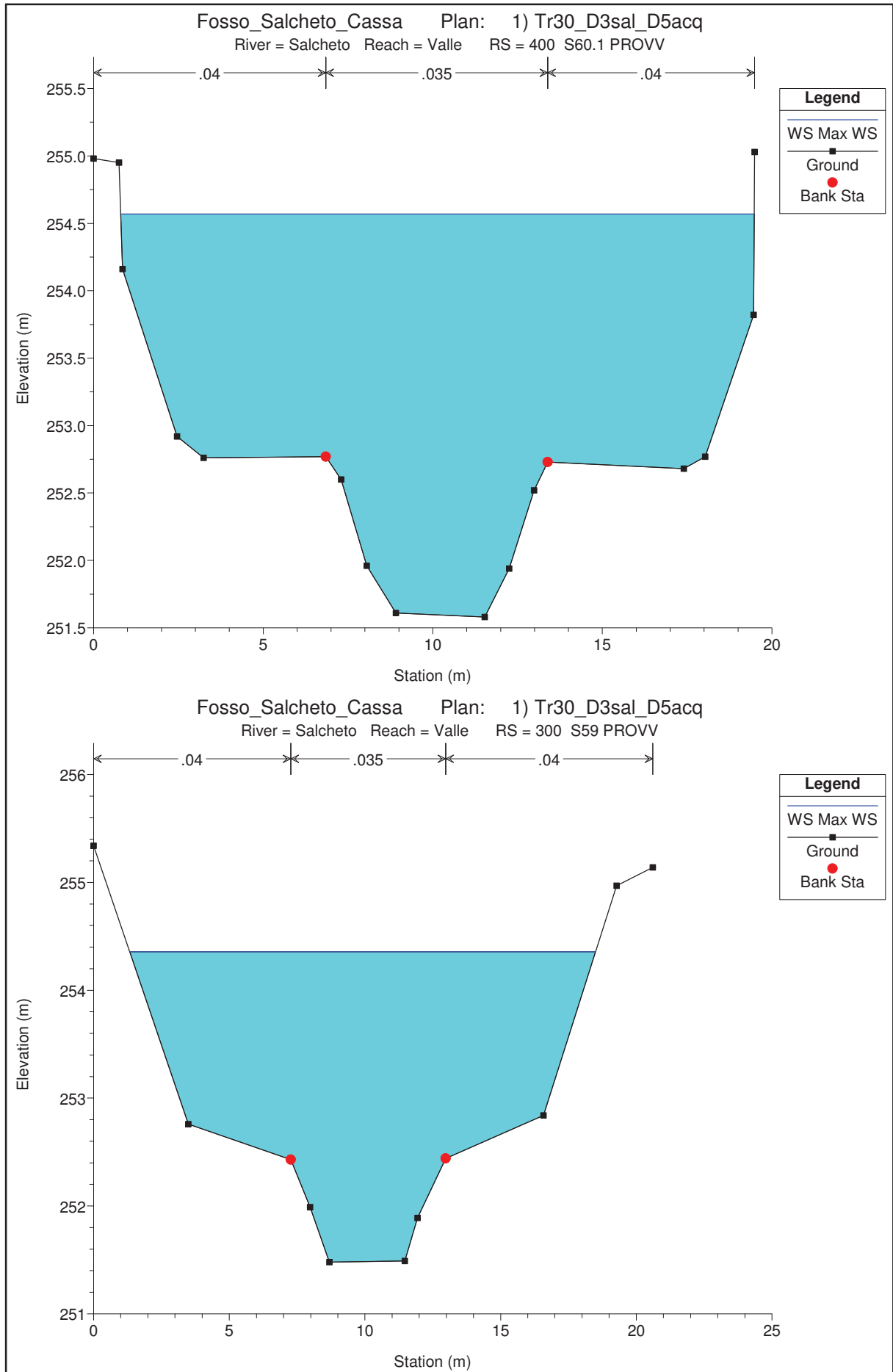


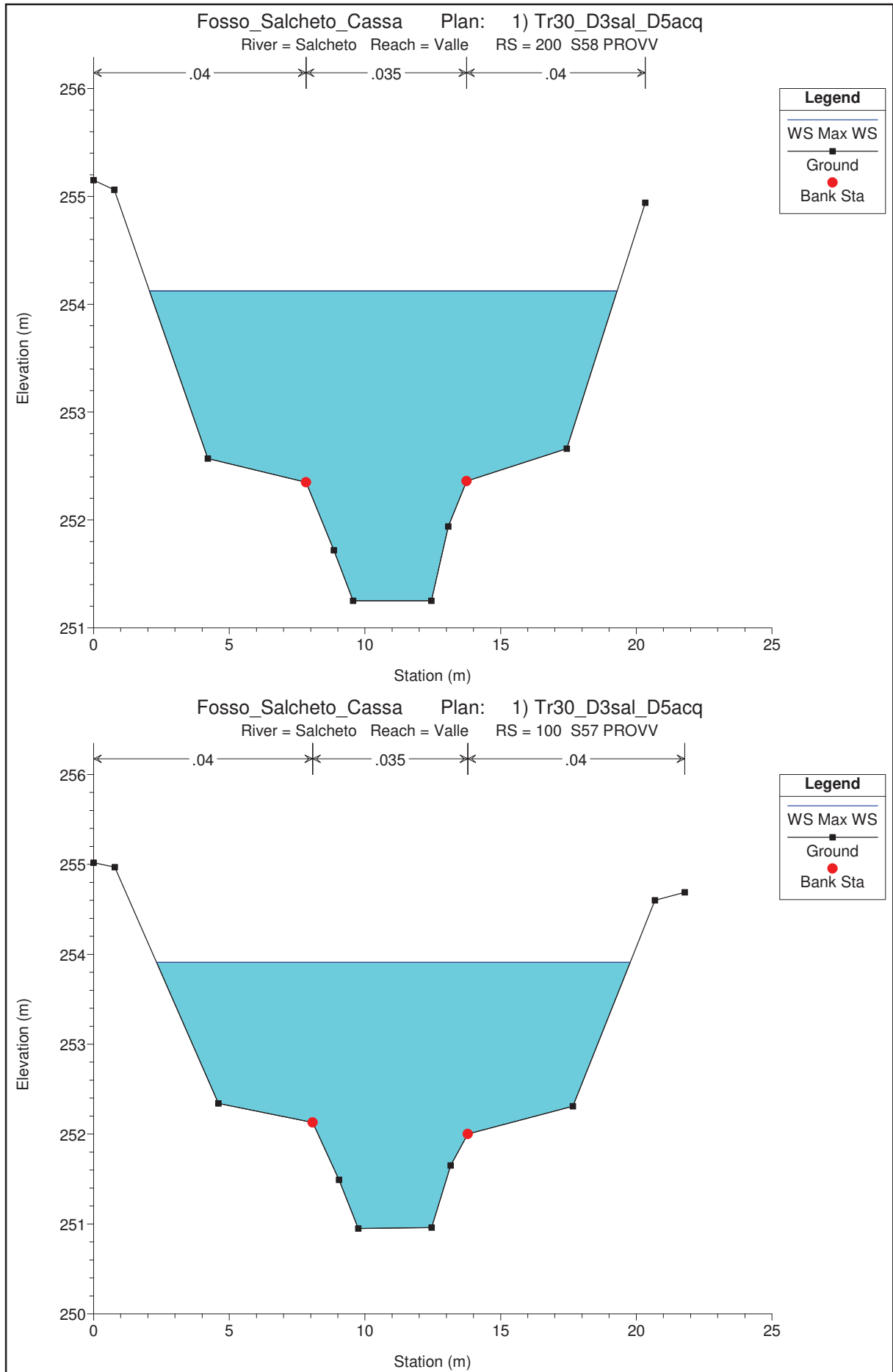














ALLEGATI

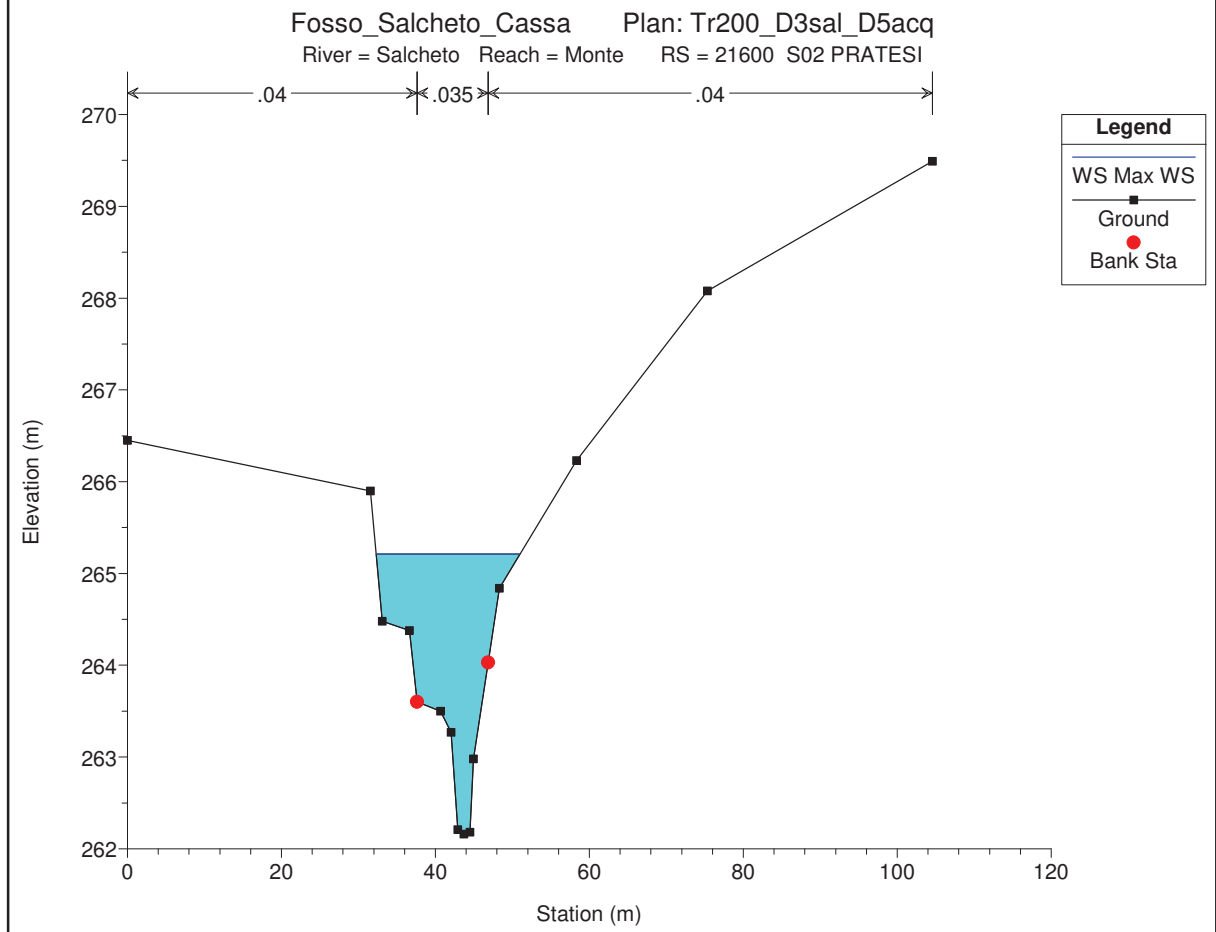
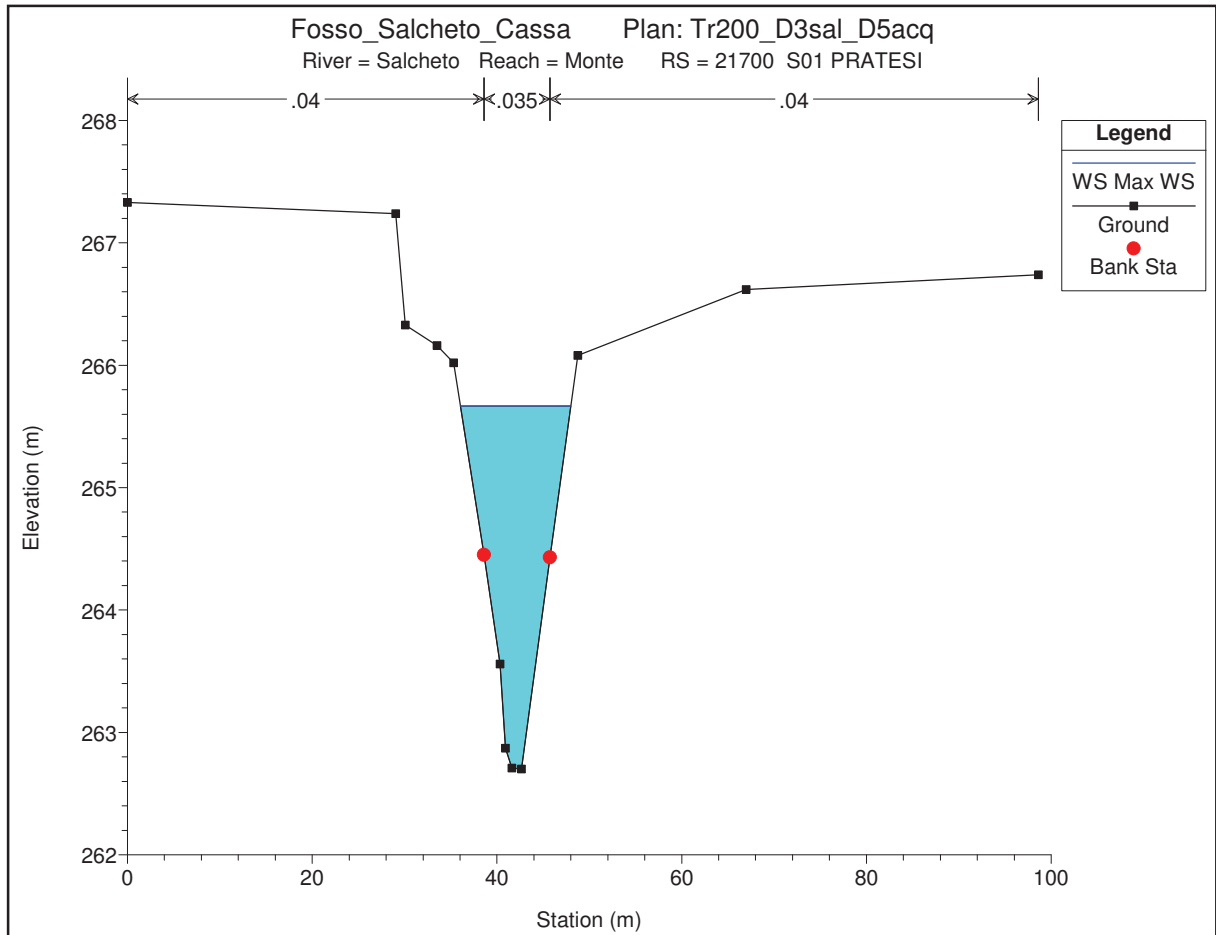
MODELLAZIONE HEC-RAS 5.0.3 "Salcheto Acquaviva"

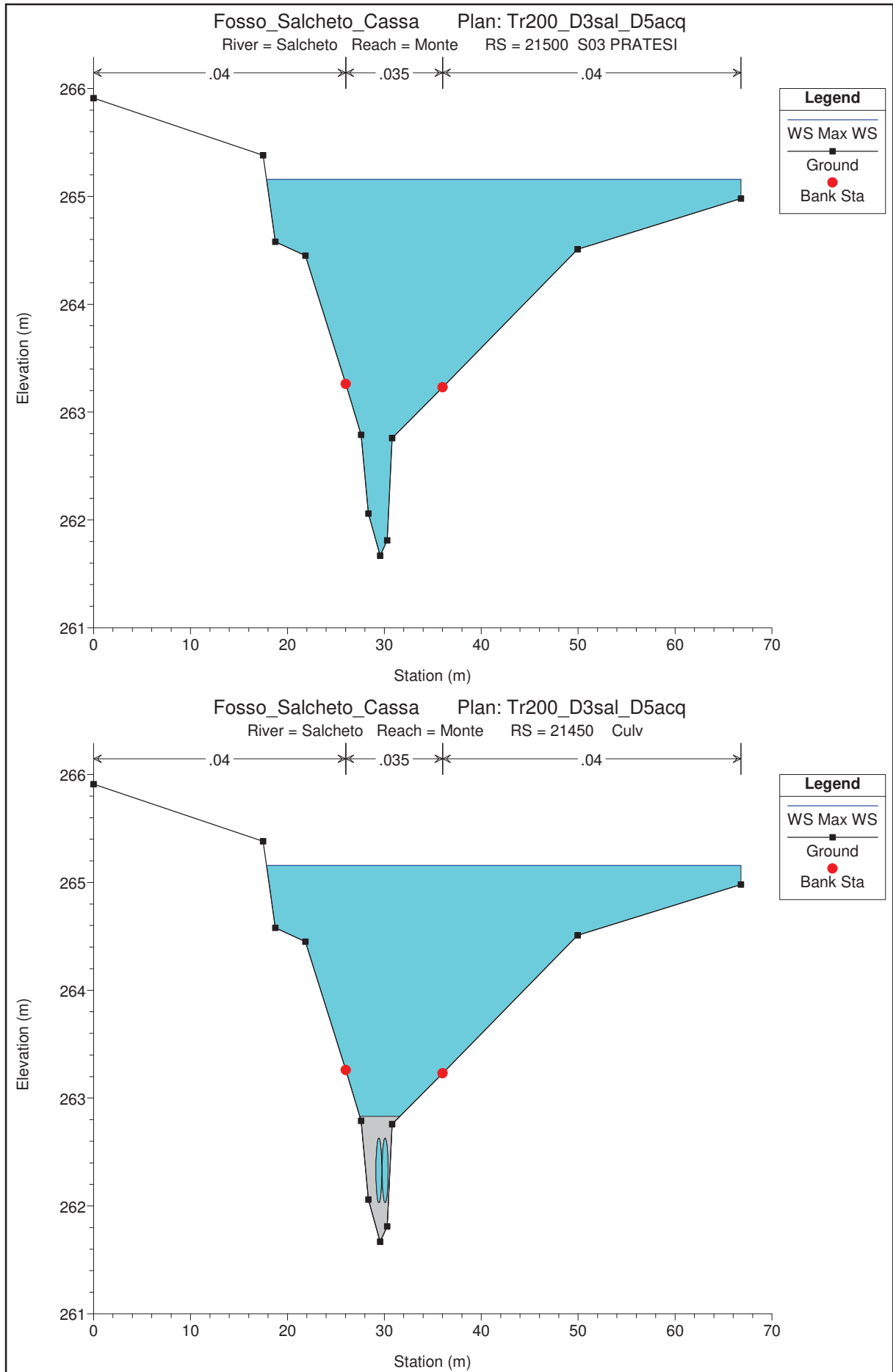
FOSSO SALCHETO

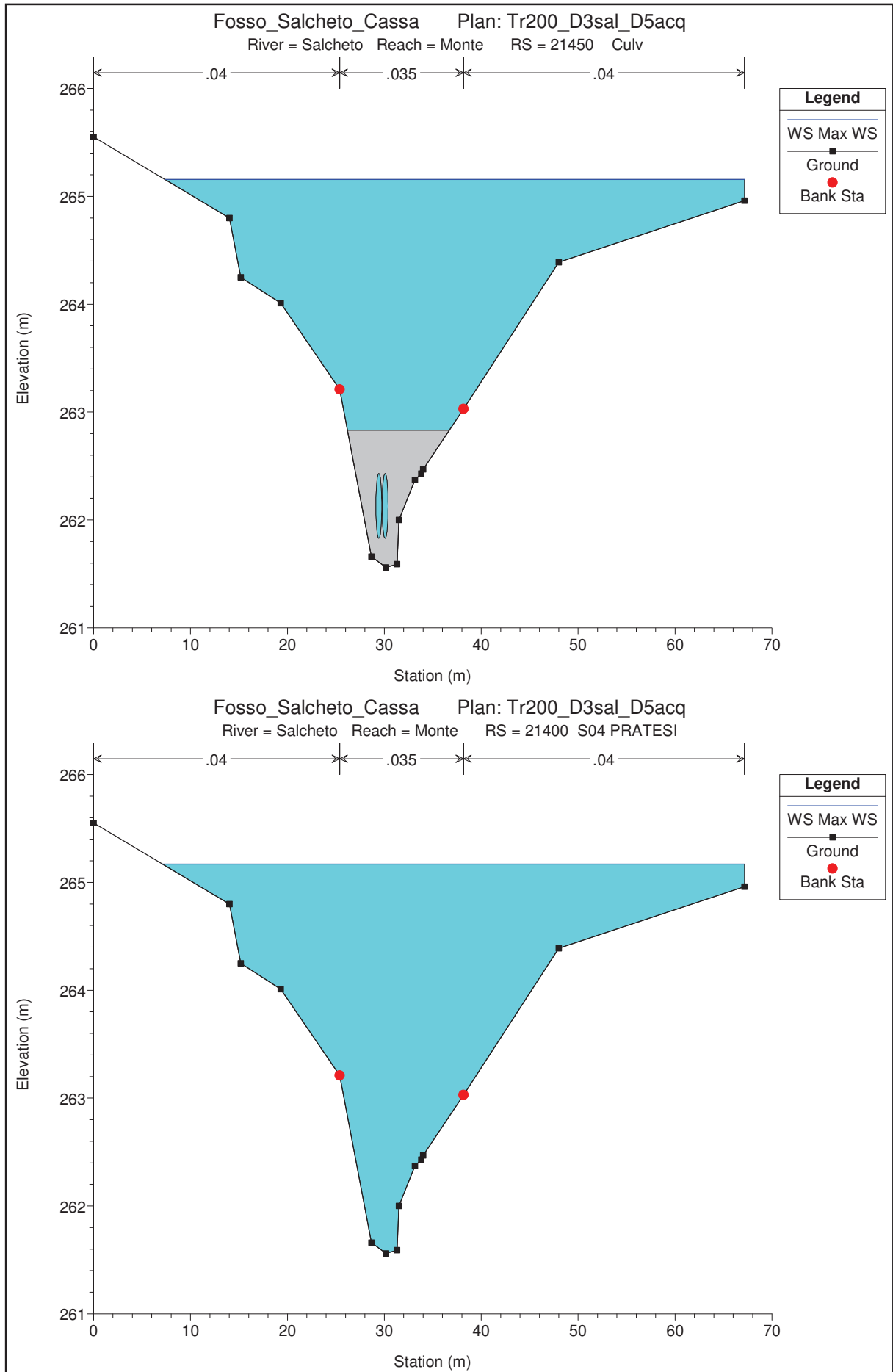
MODELLAZIONE PER TR=200 anni

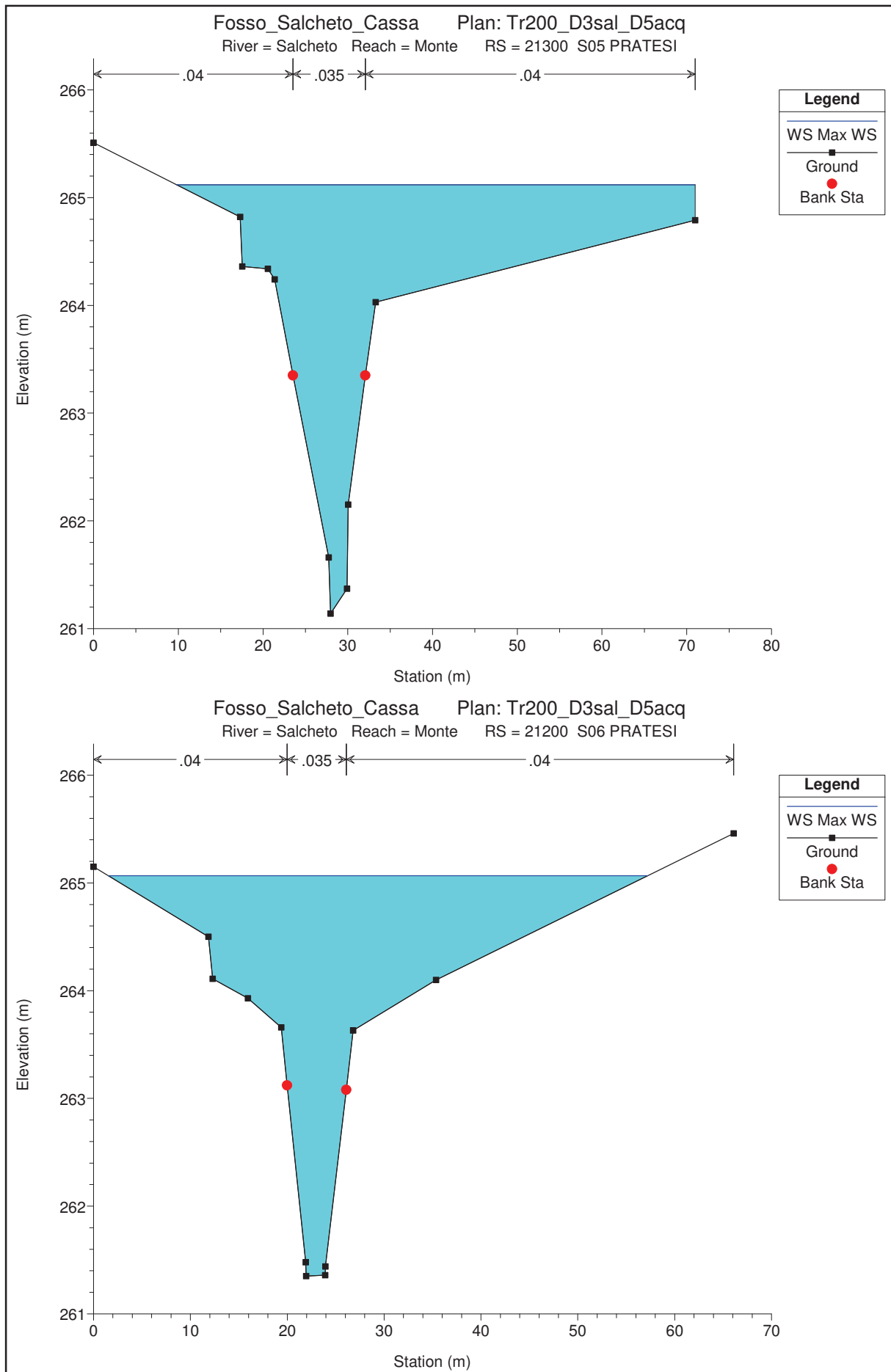
DURATE DI PIOGGIA: 3h

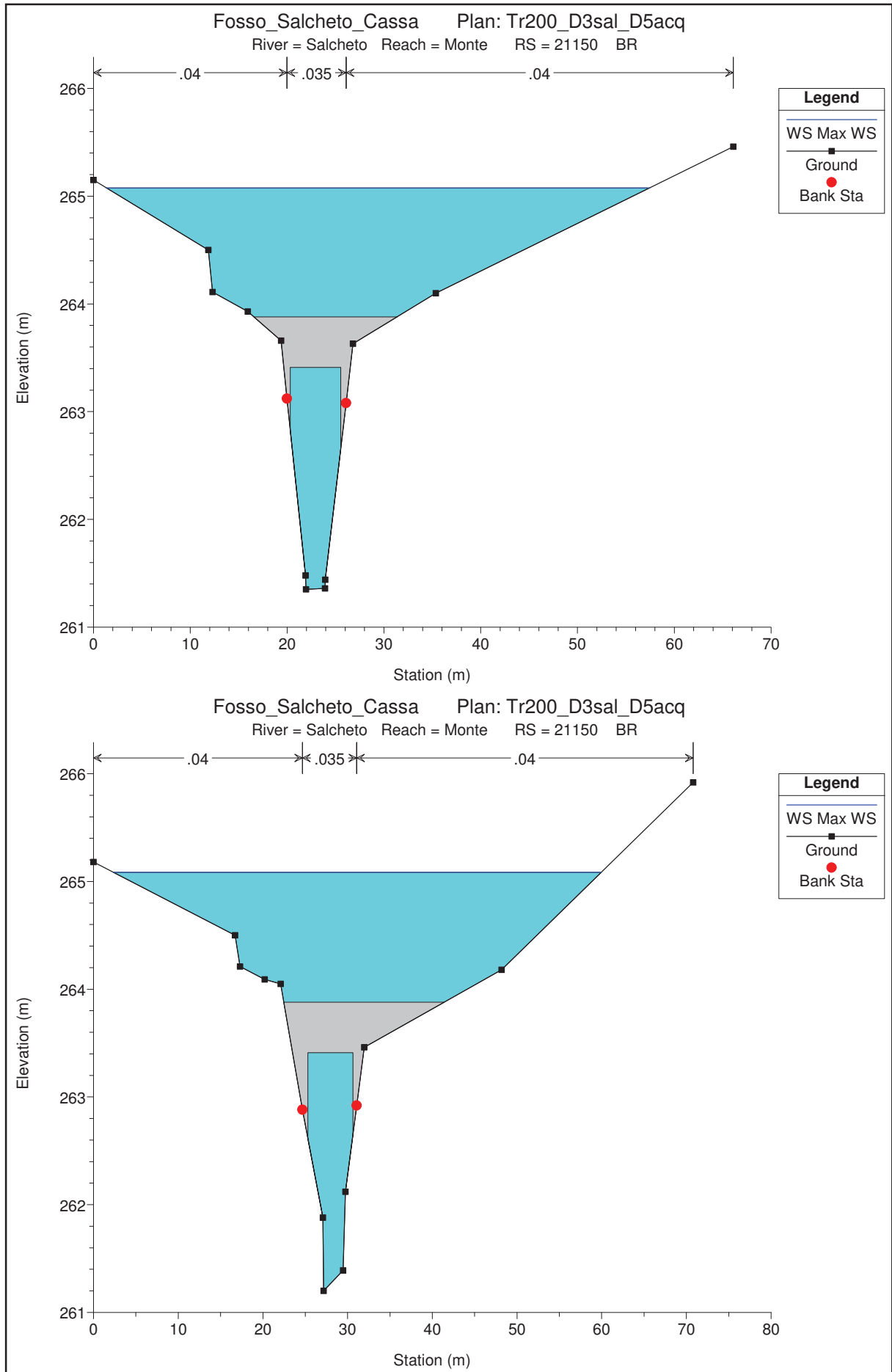
Sezioni Trasversali (da monte verso valle)

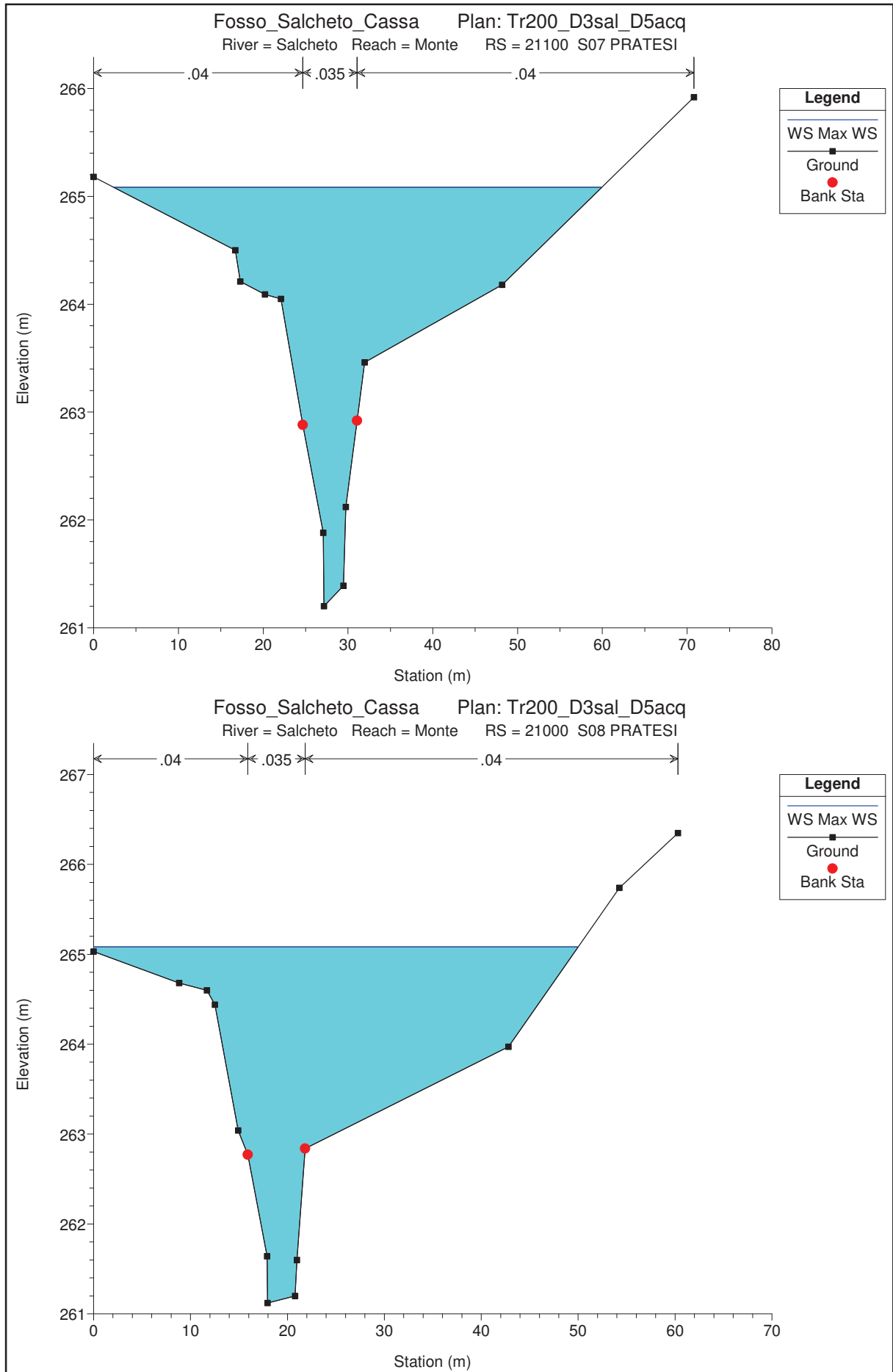


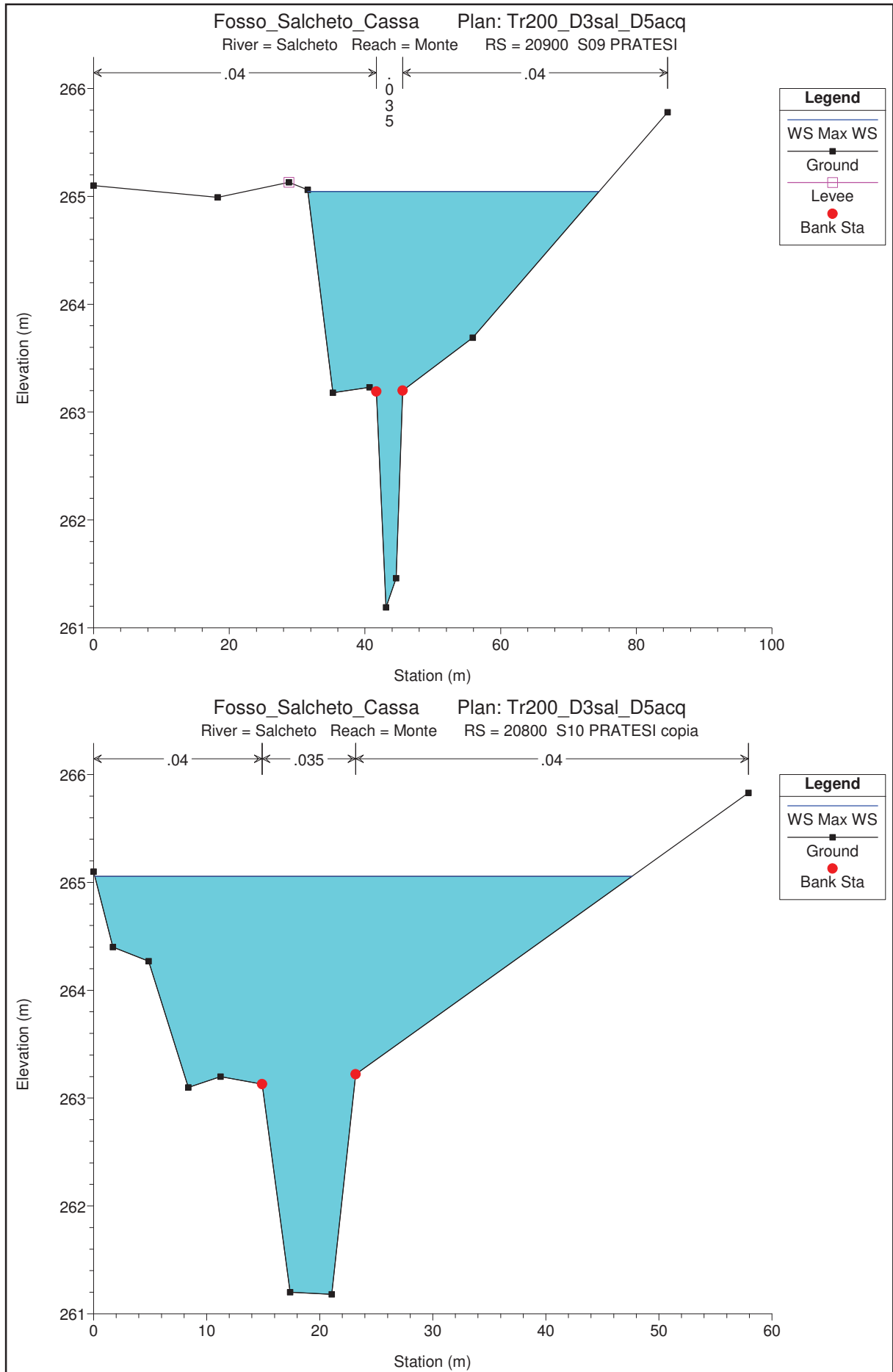


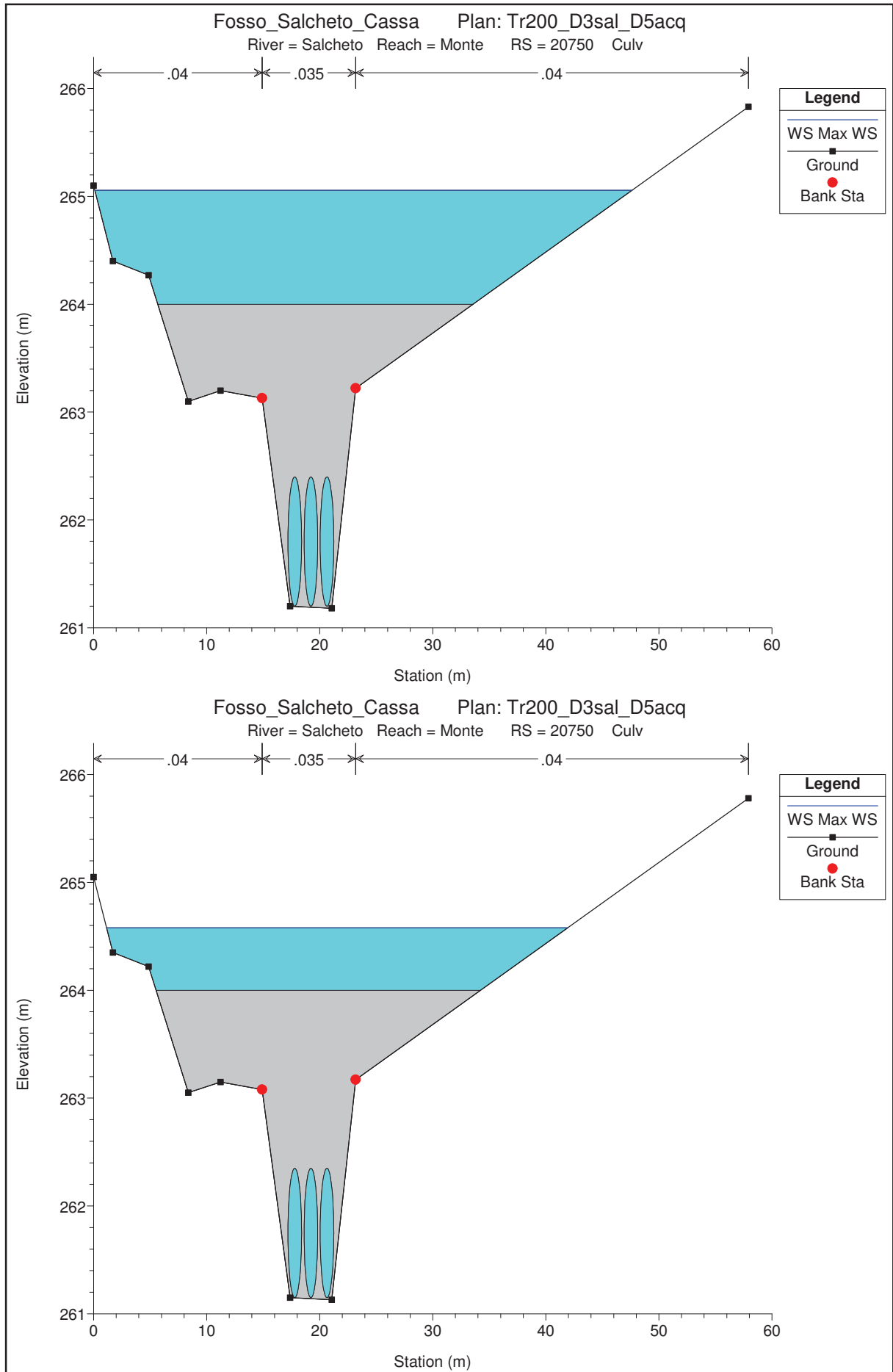


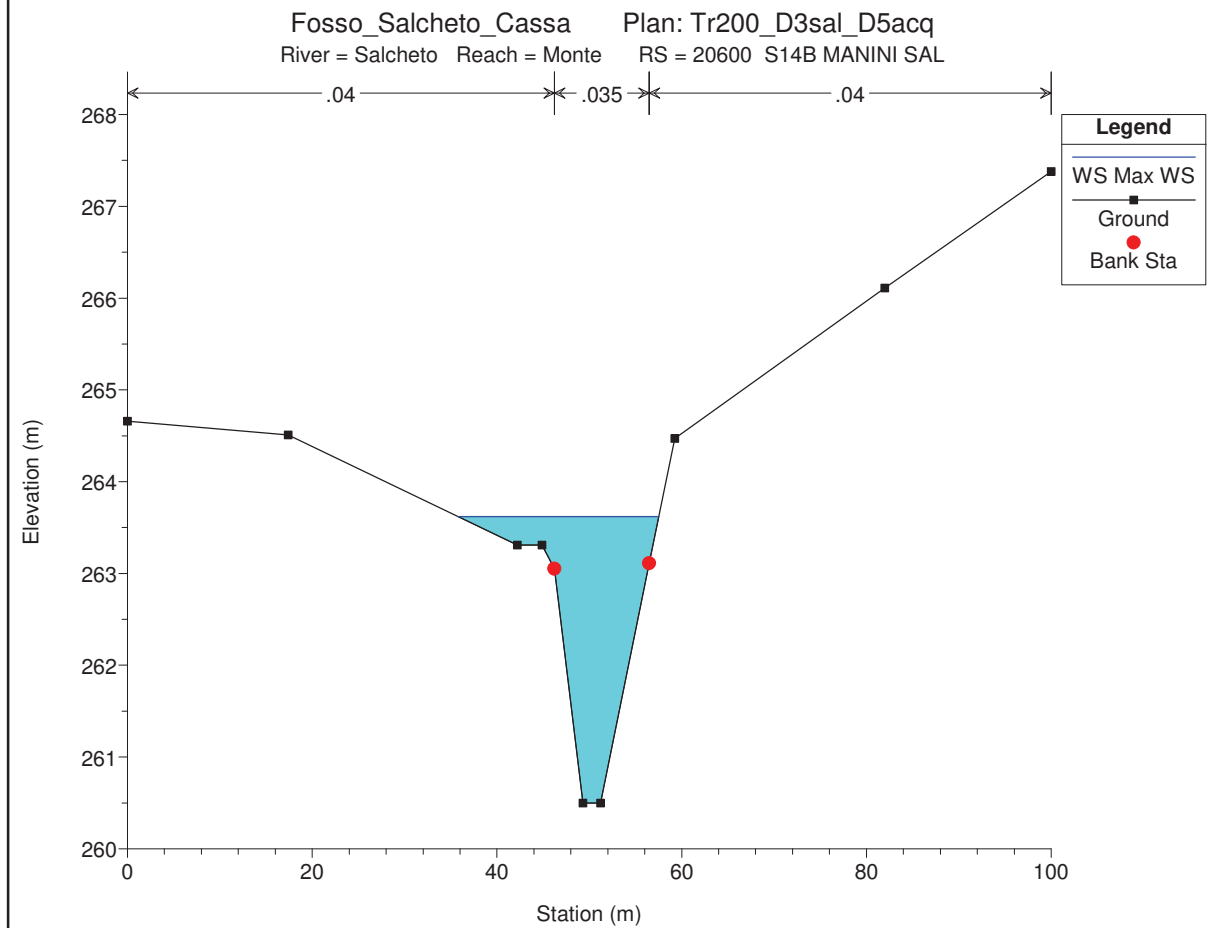
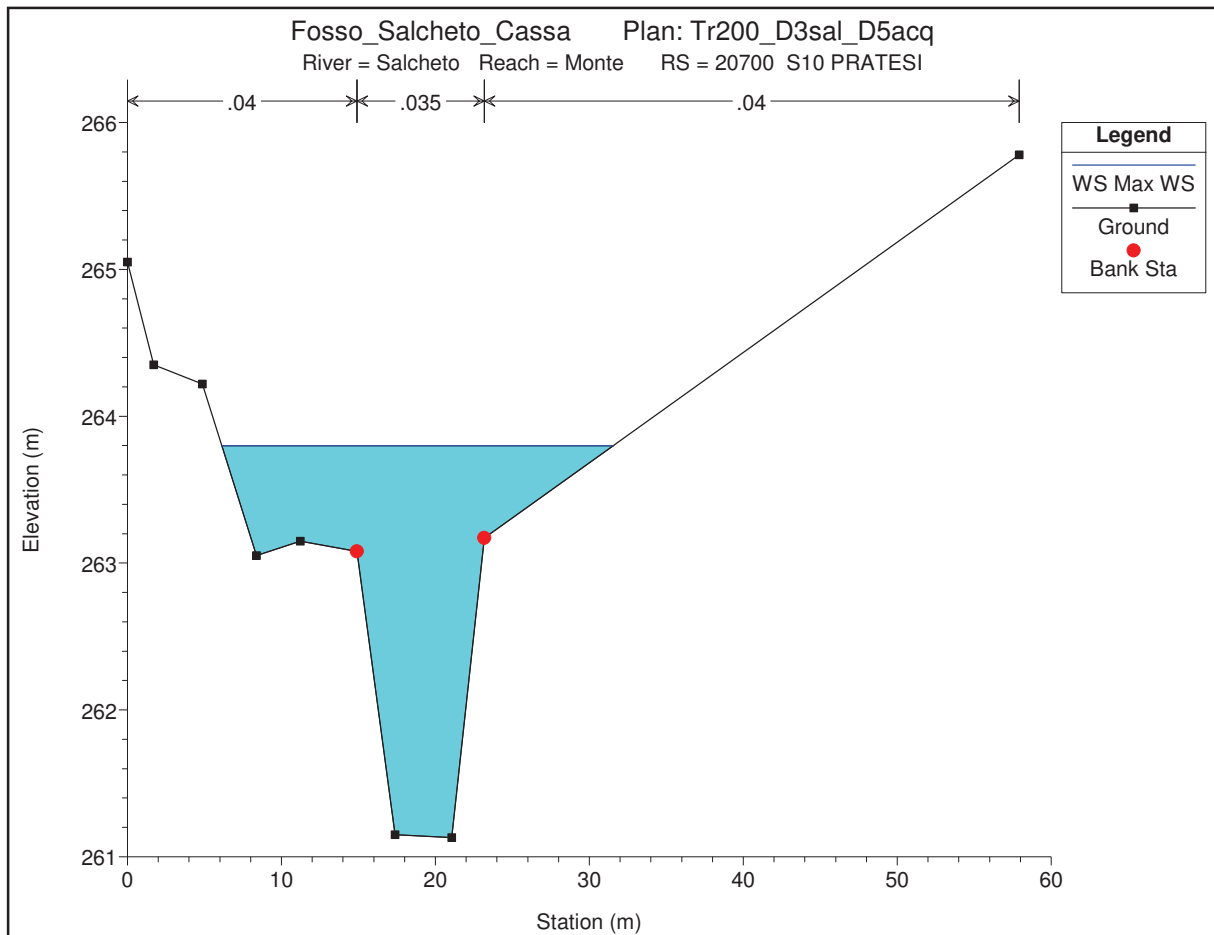


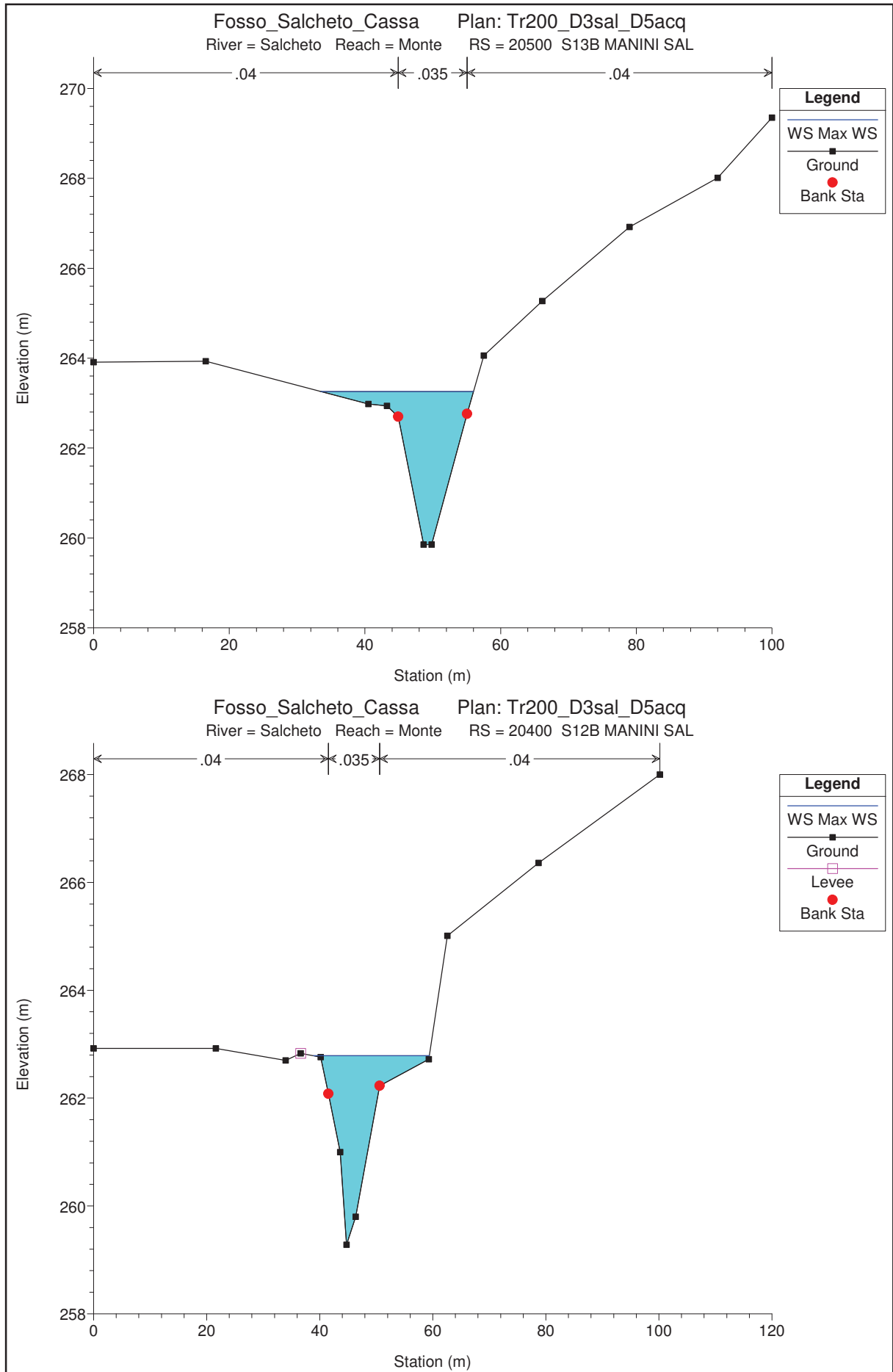


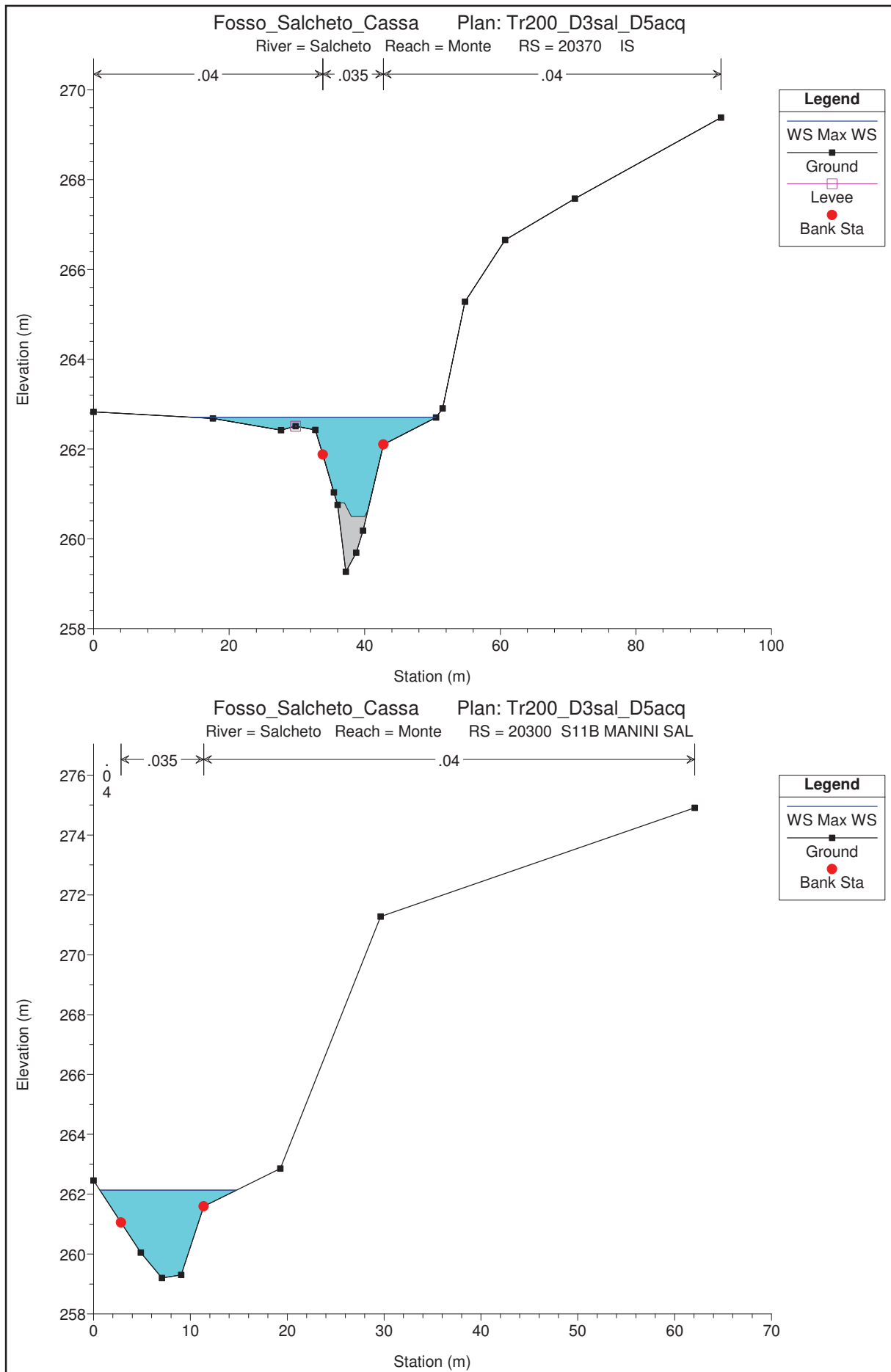


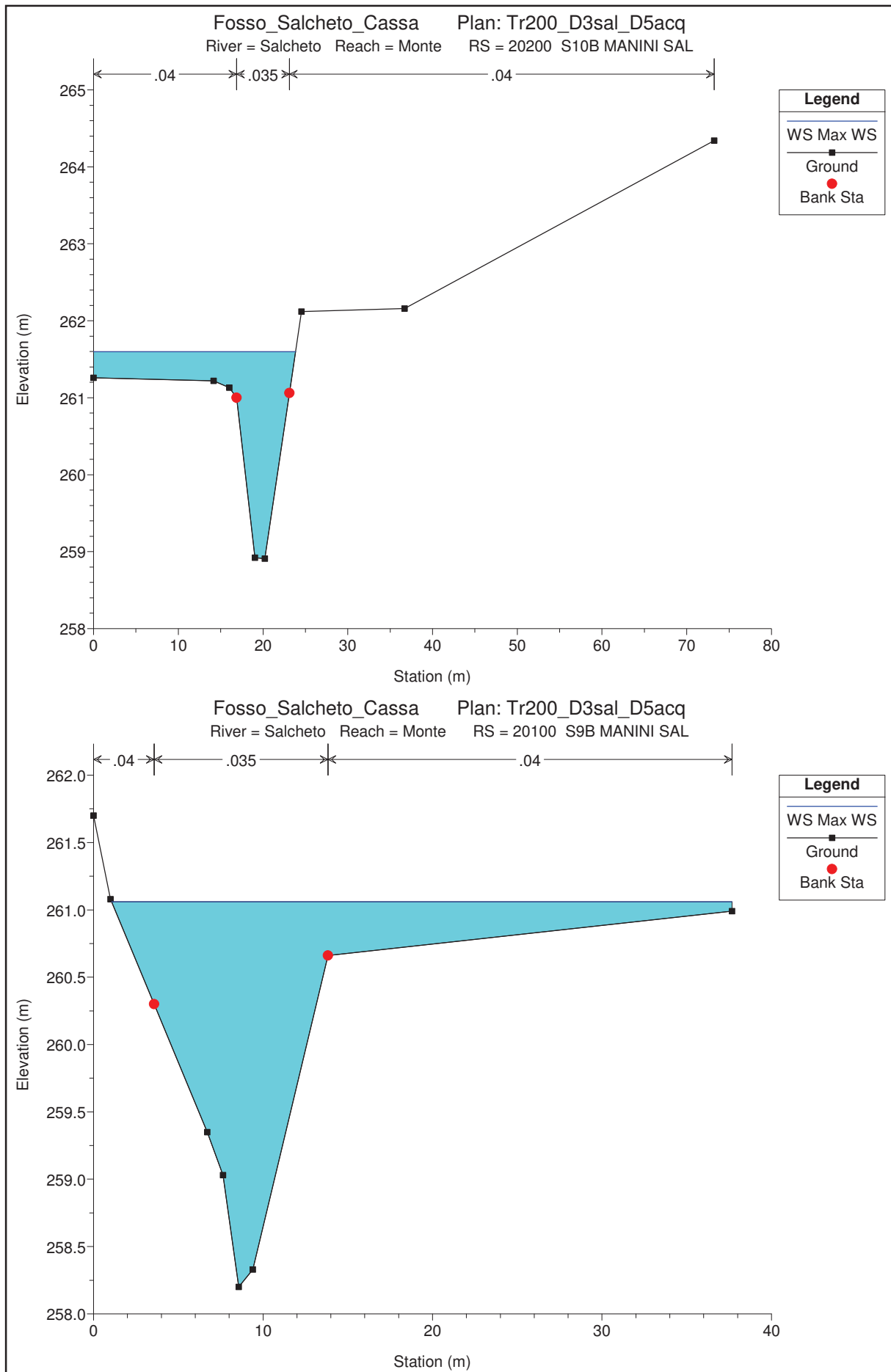


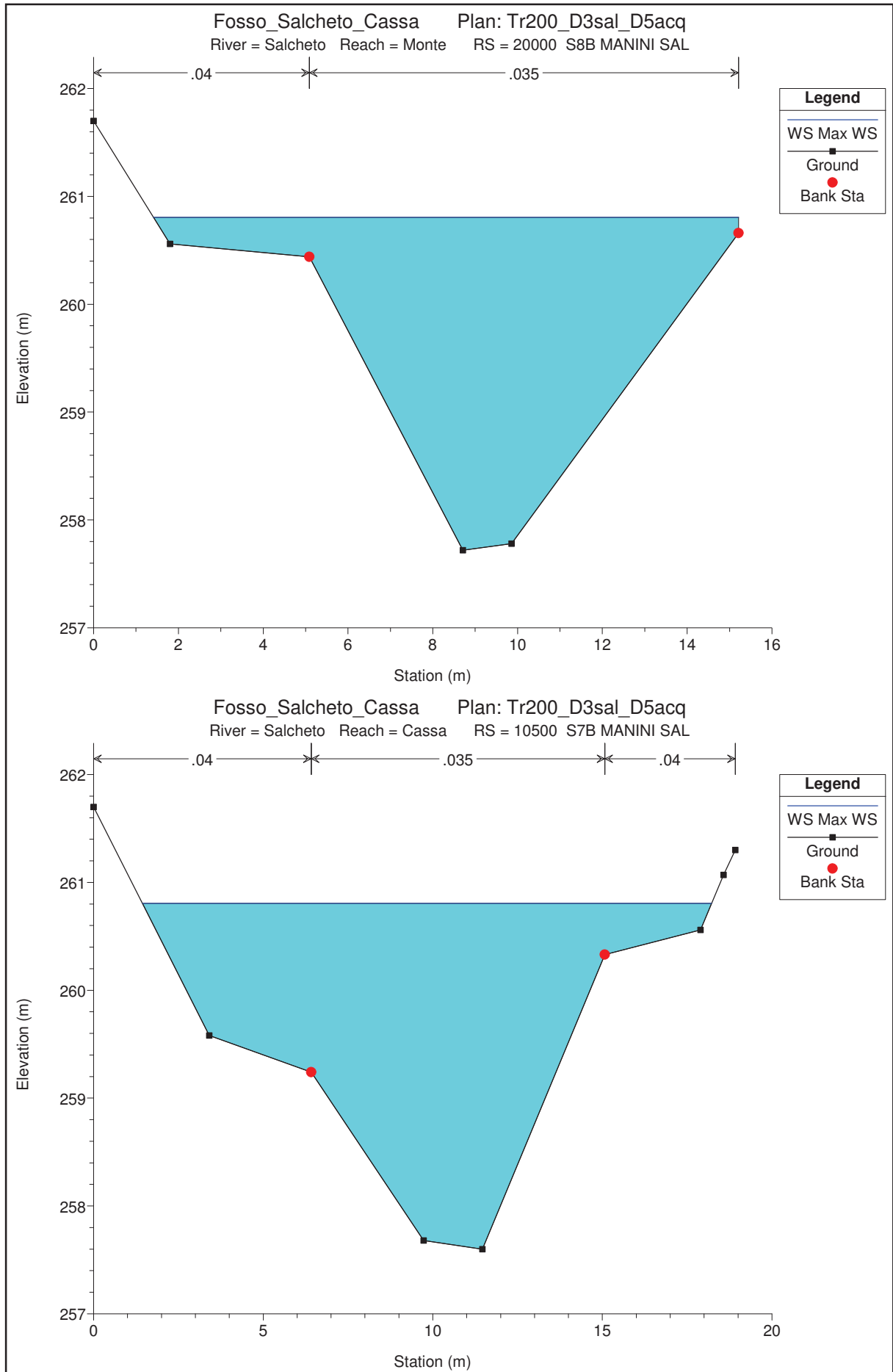


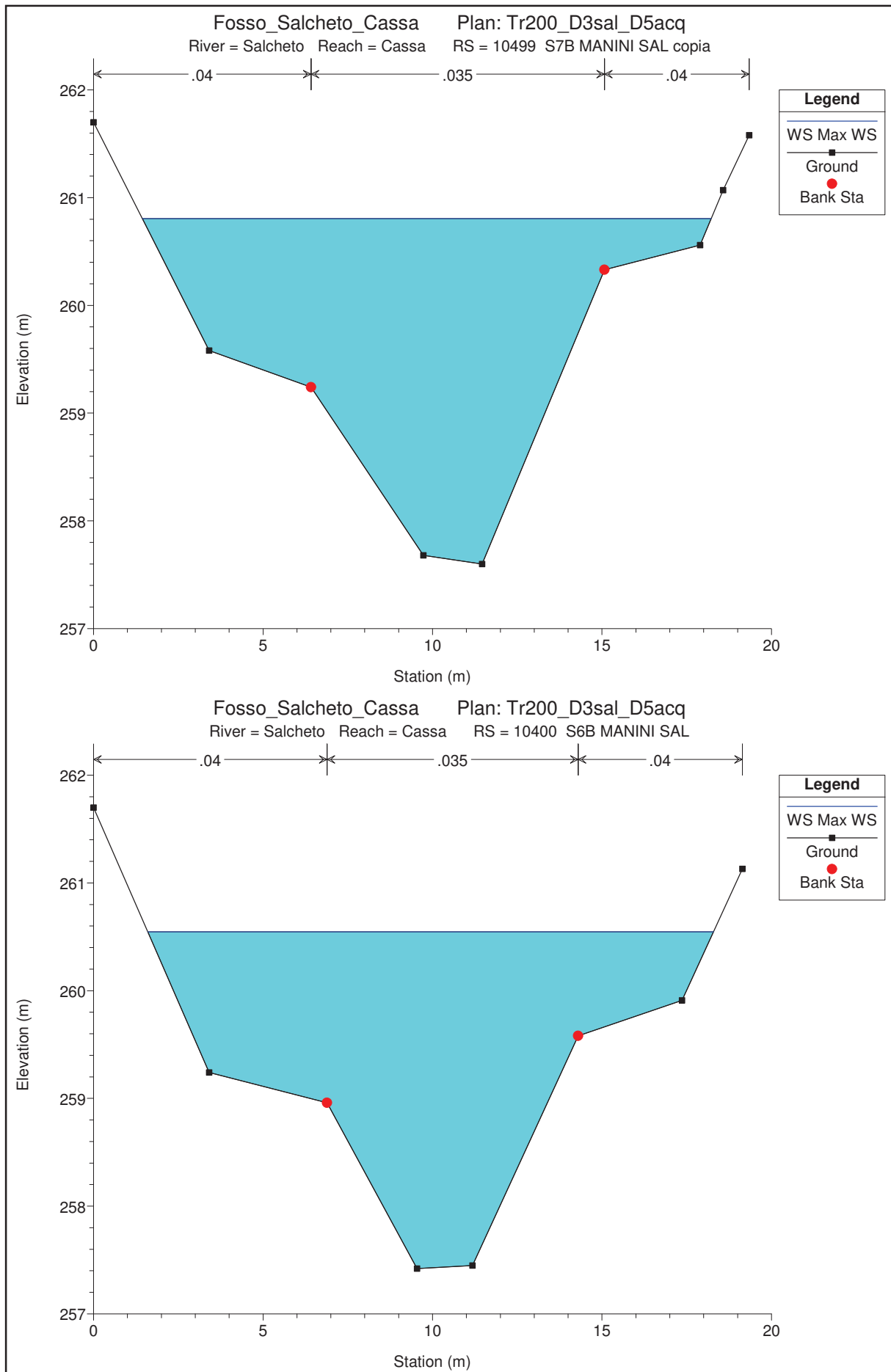


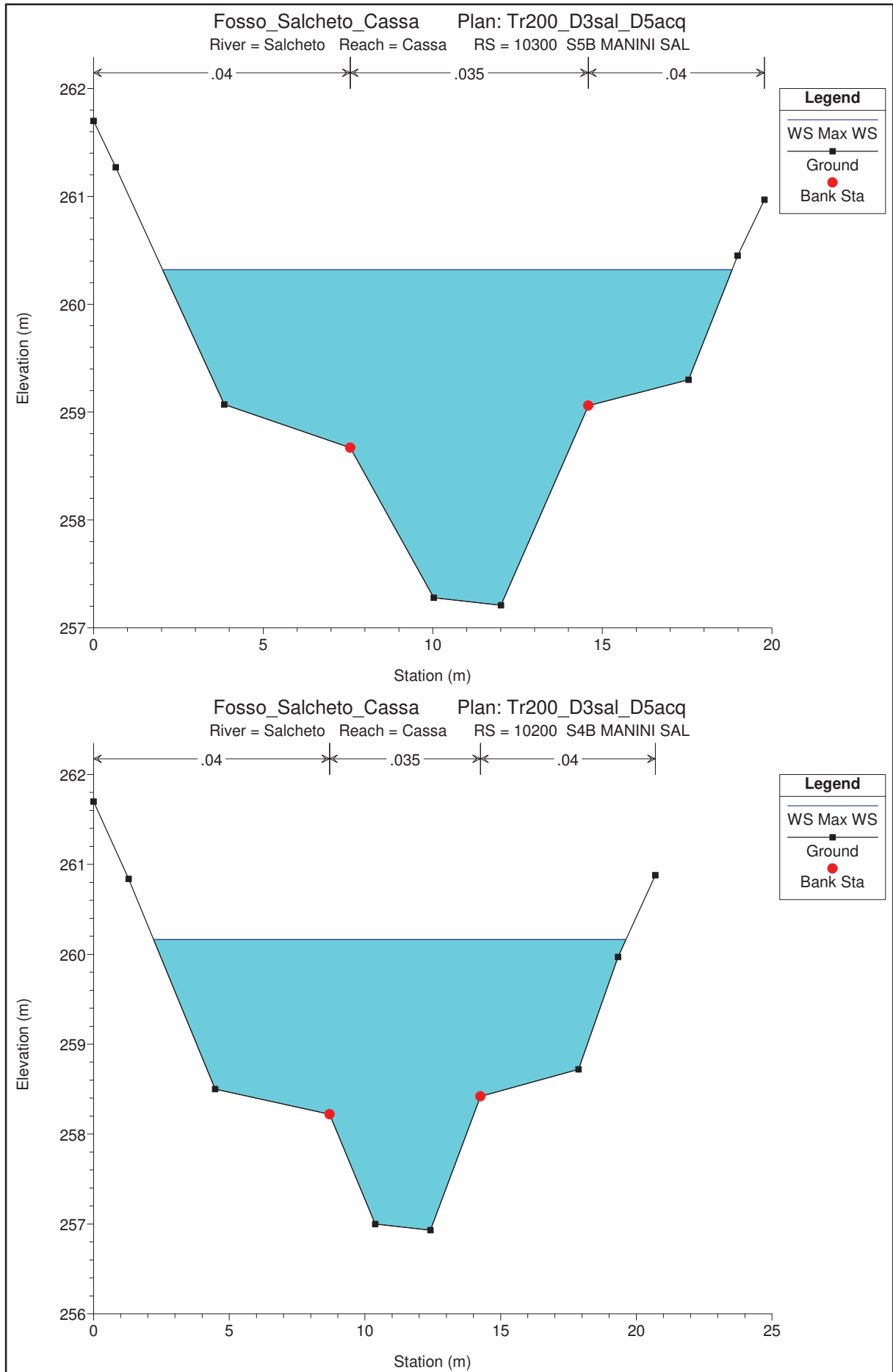


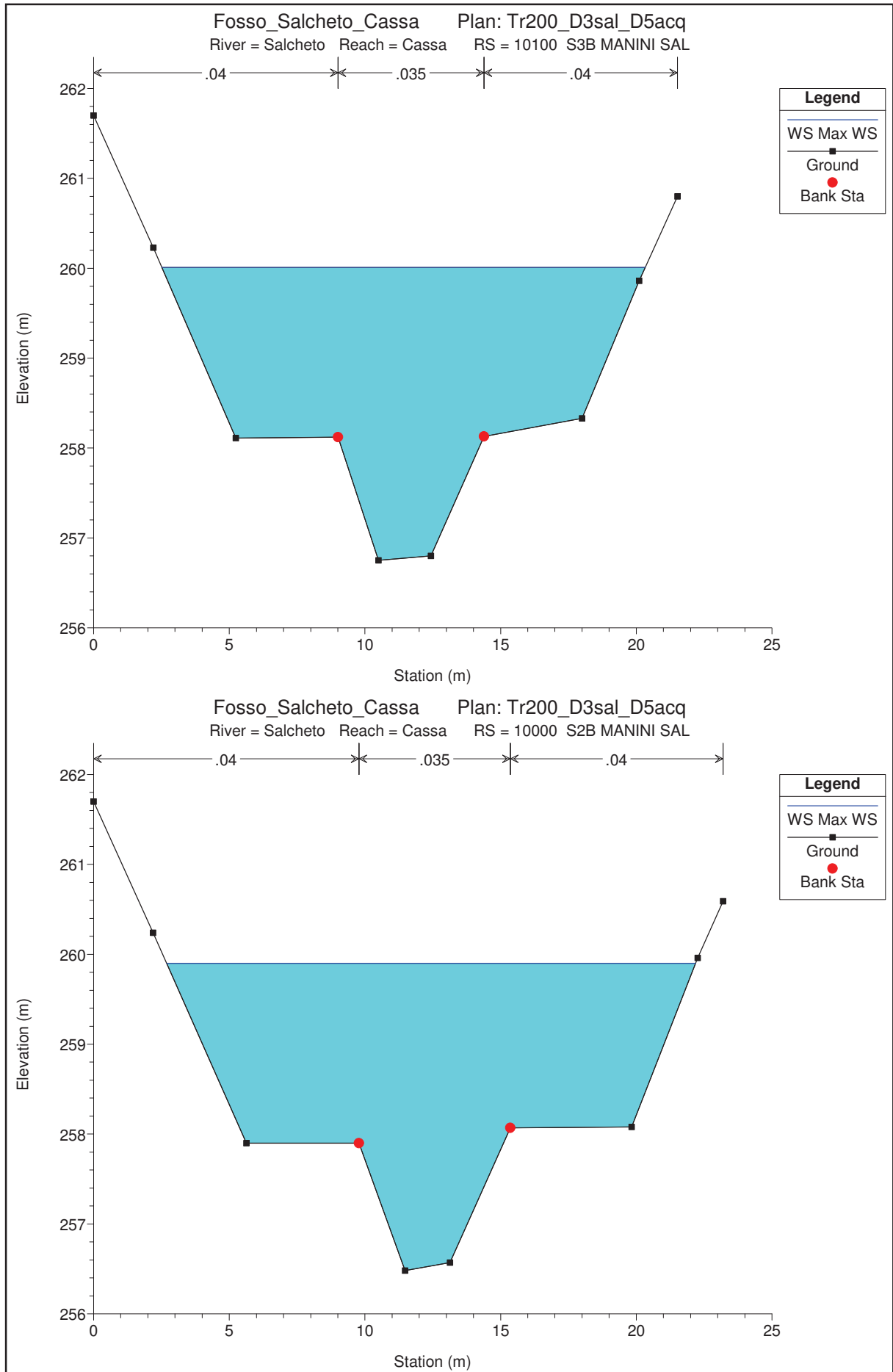


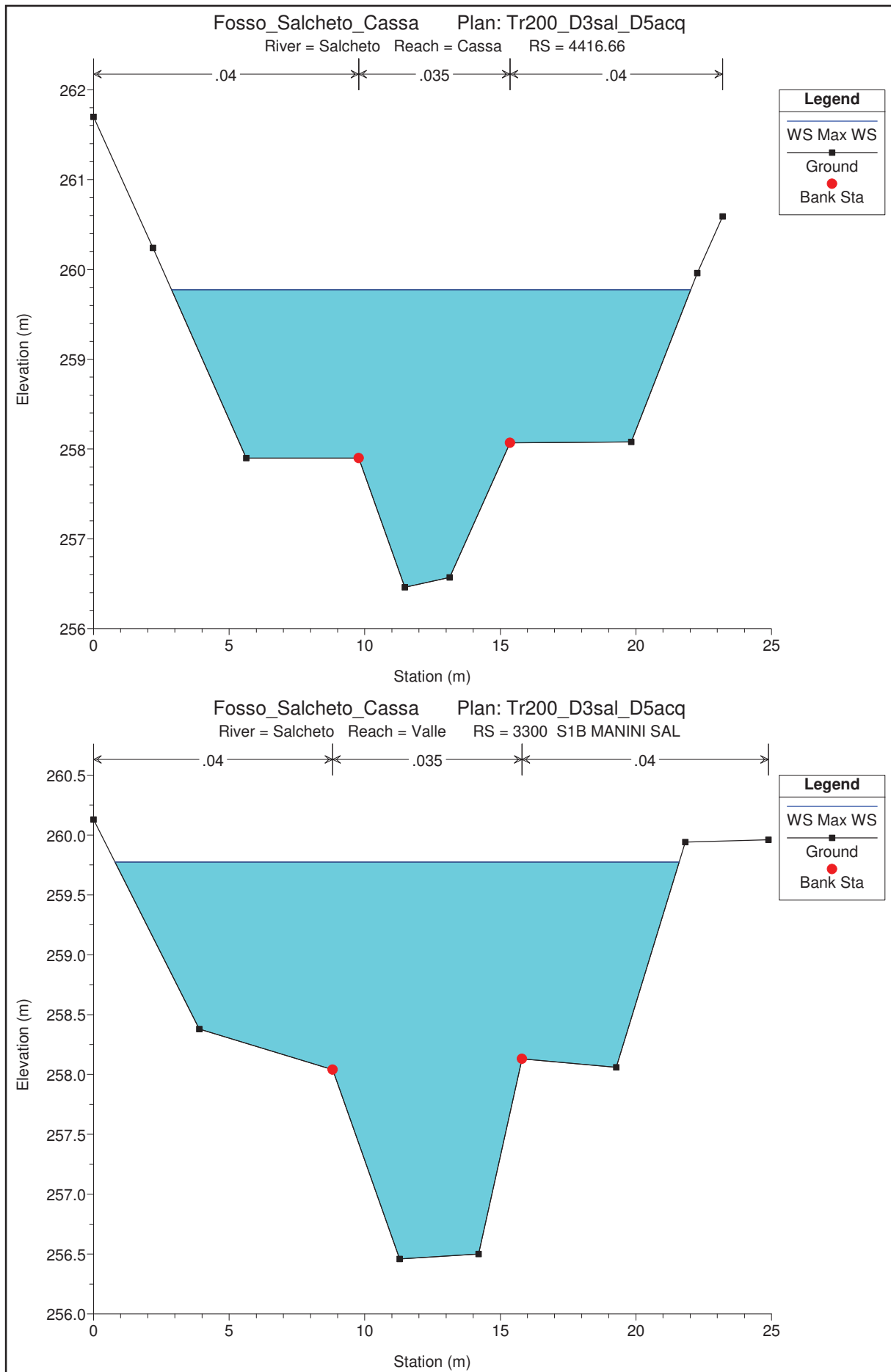


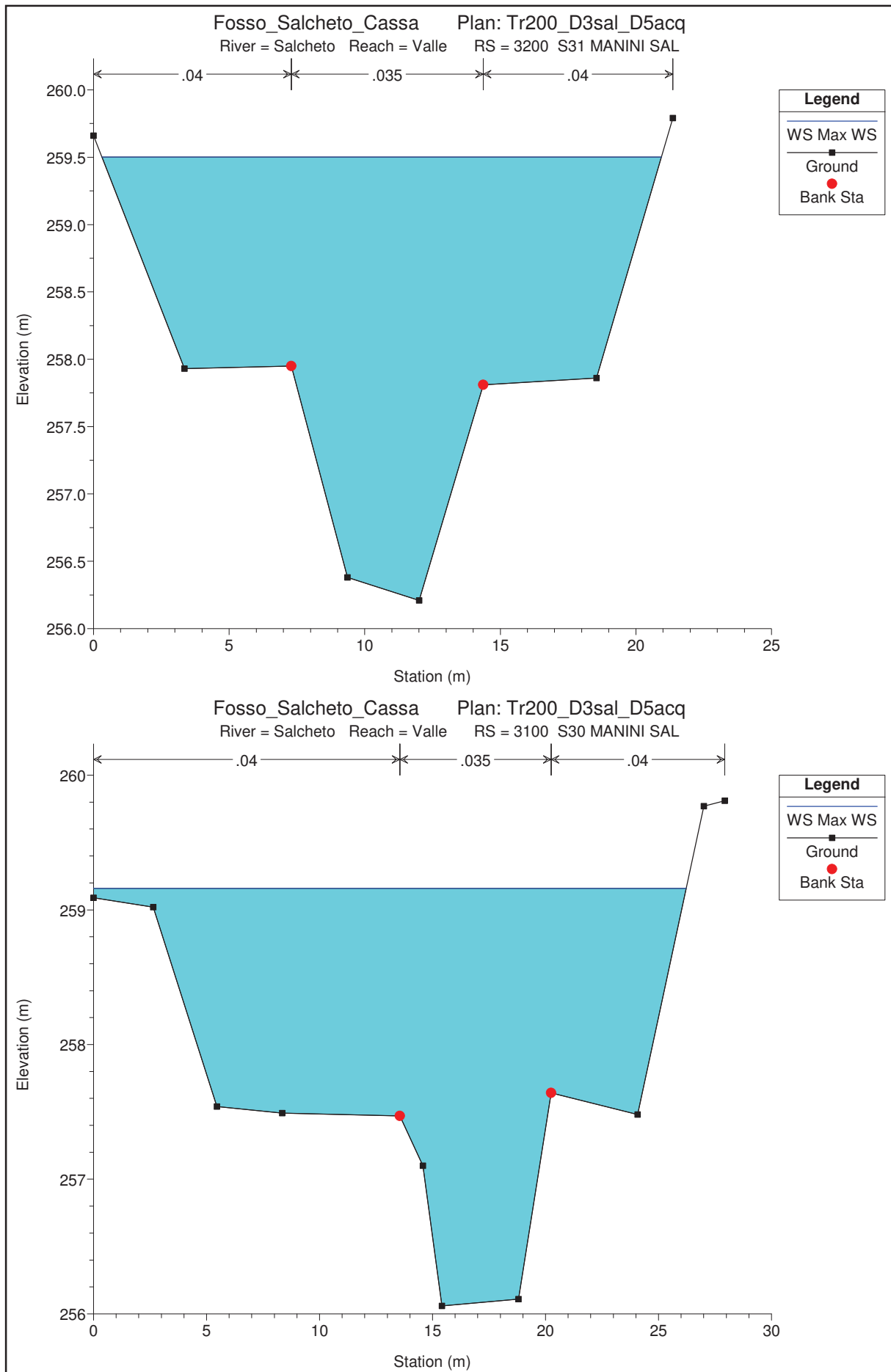


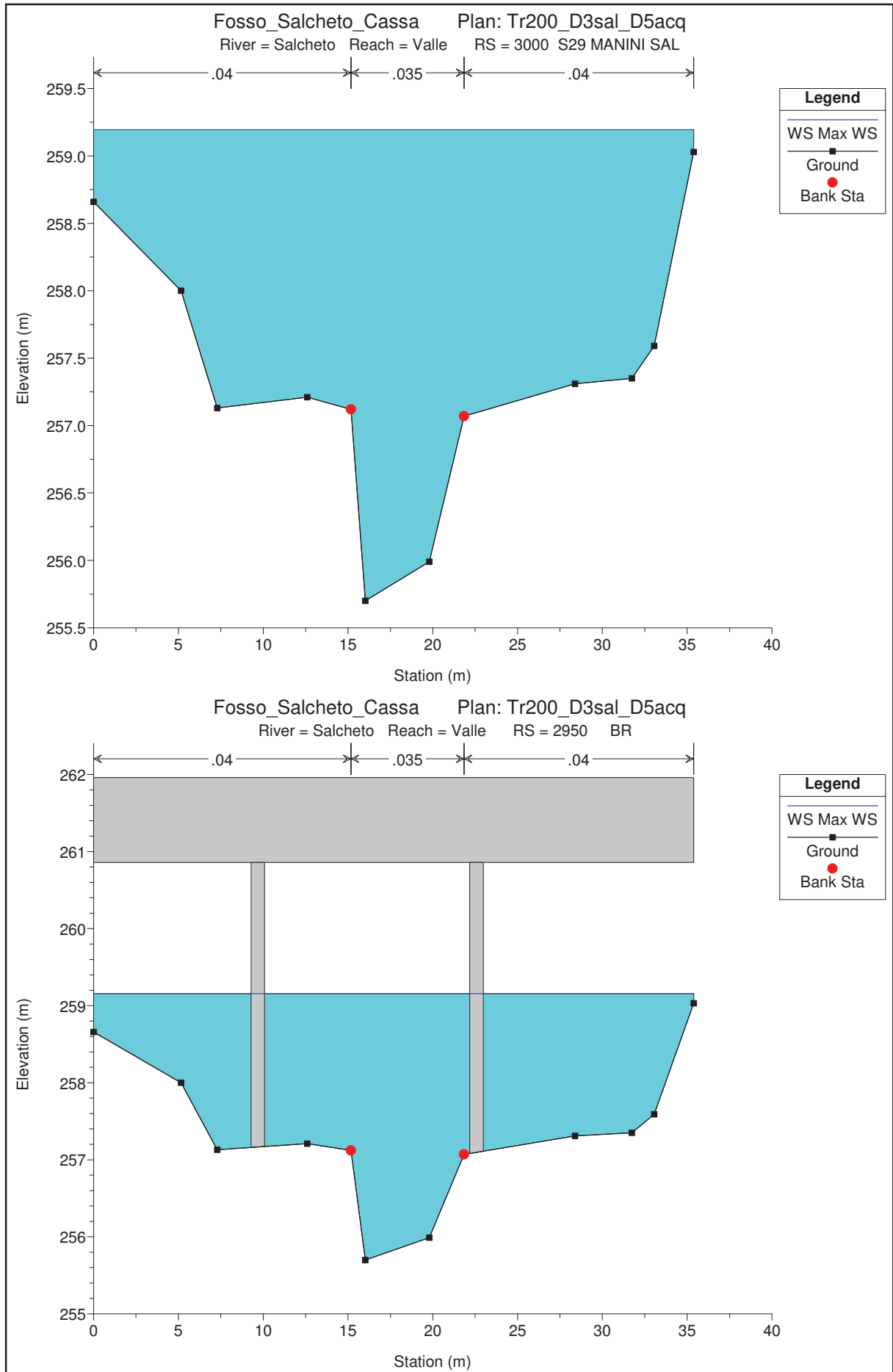


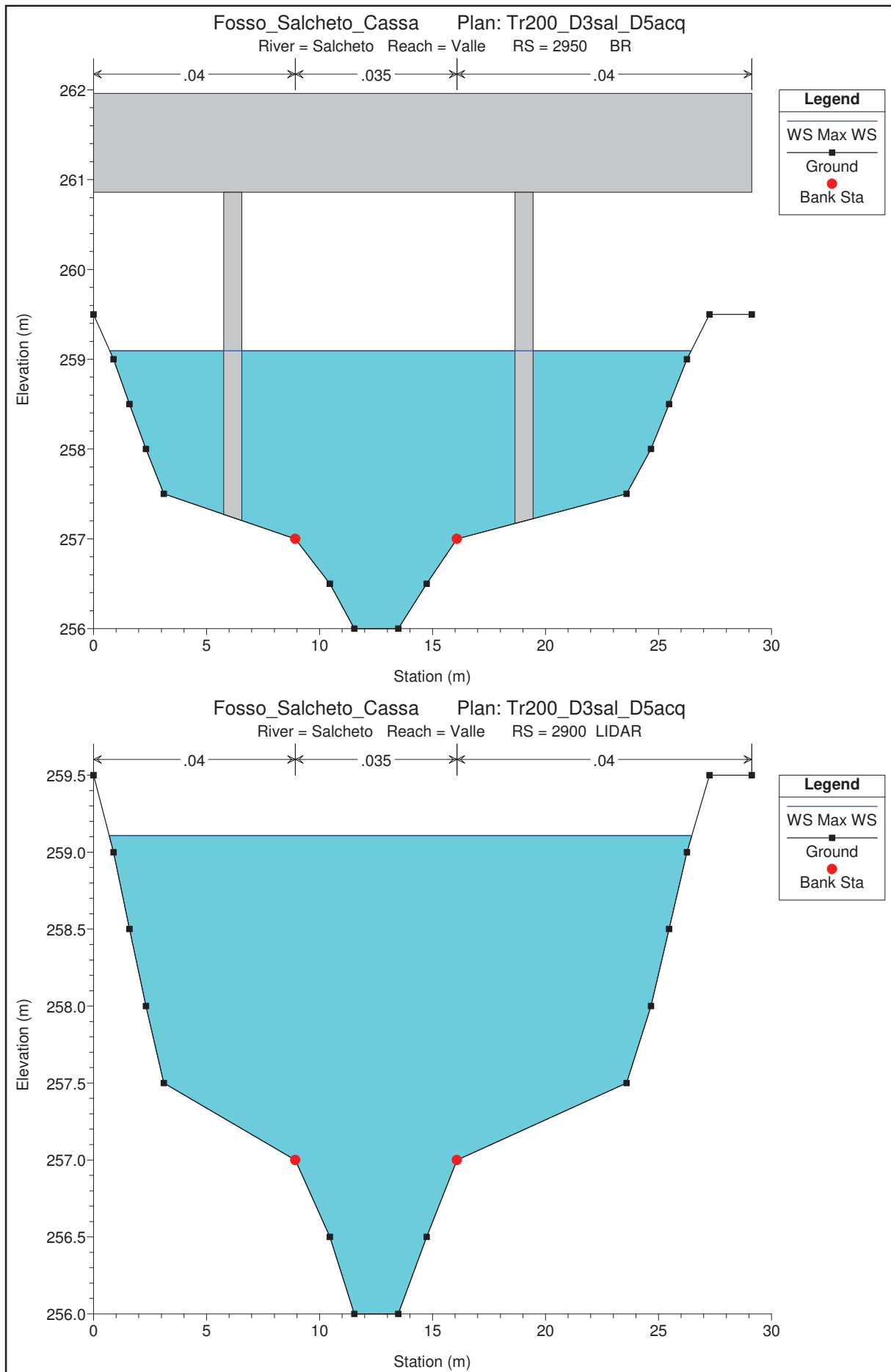


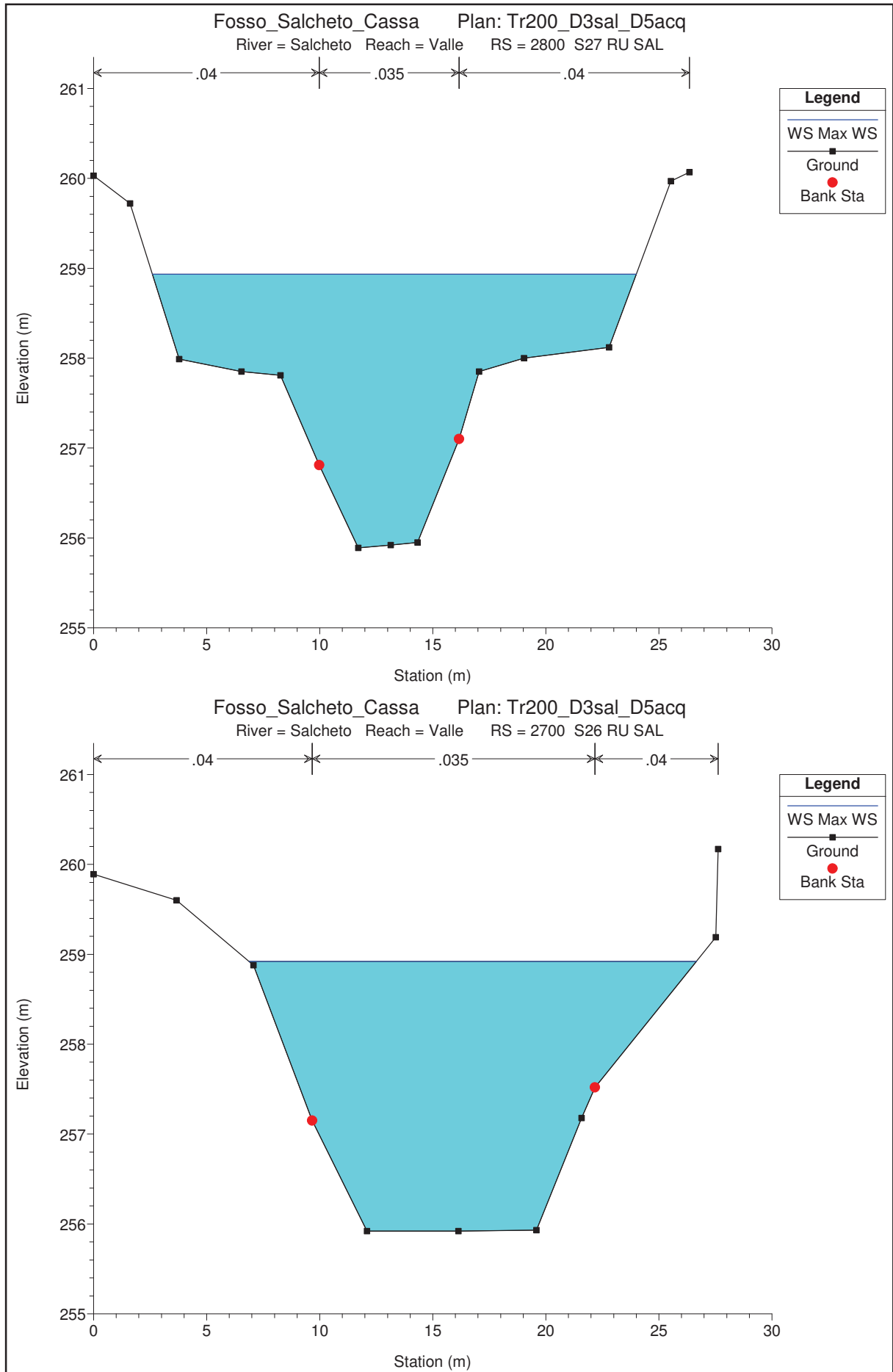


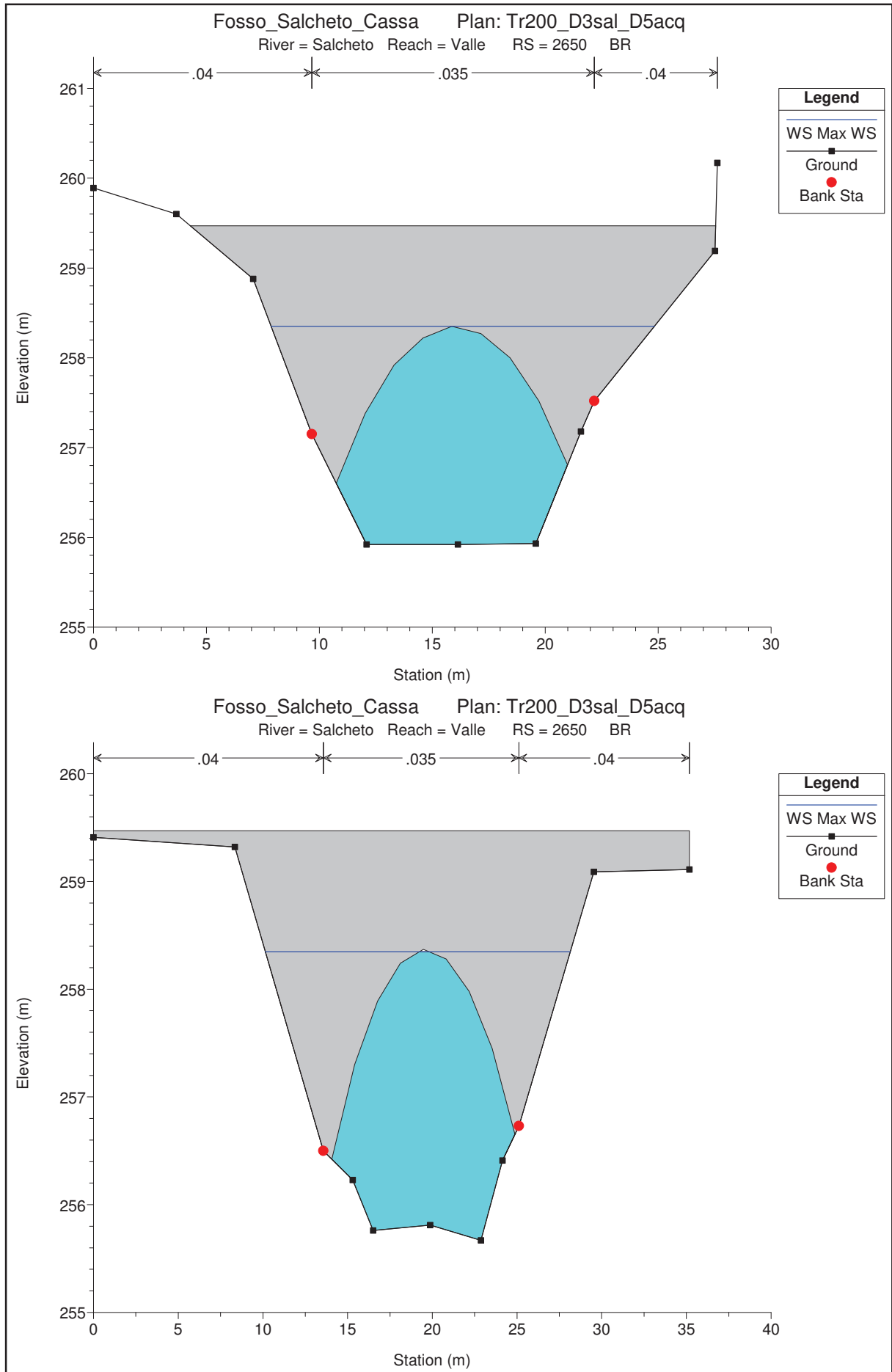


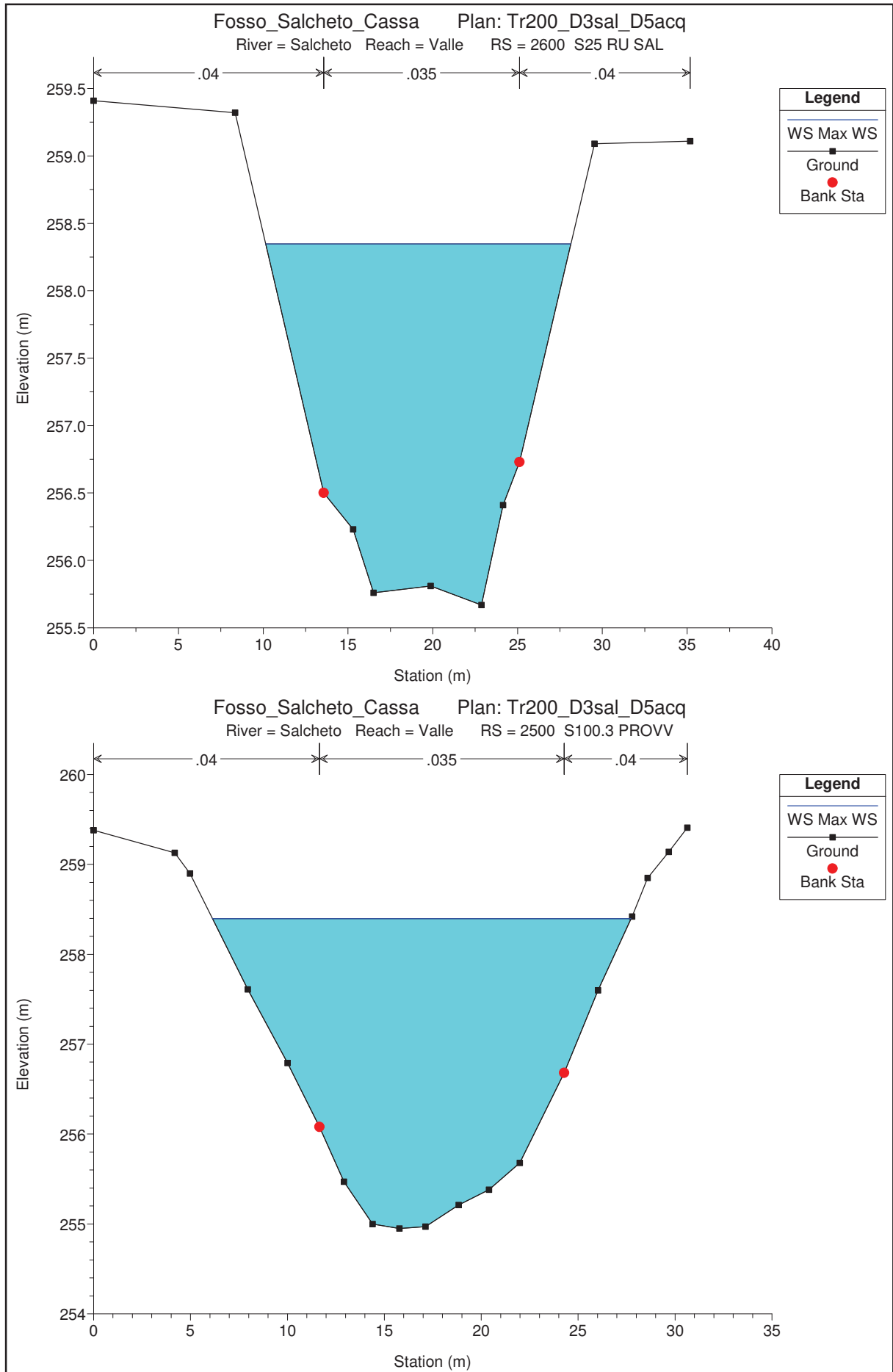


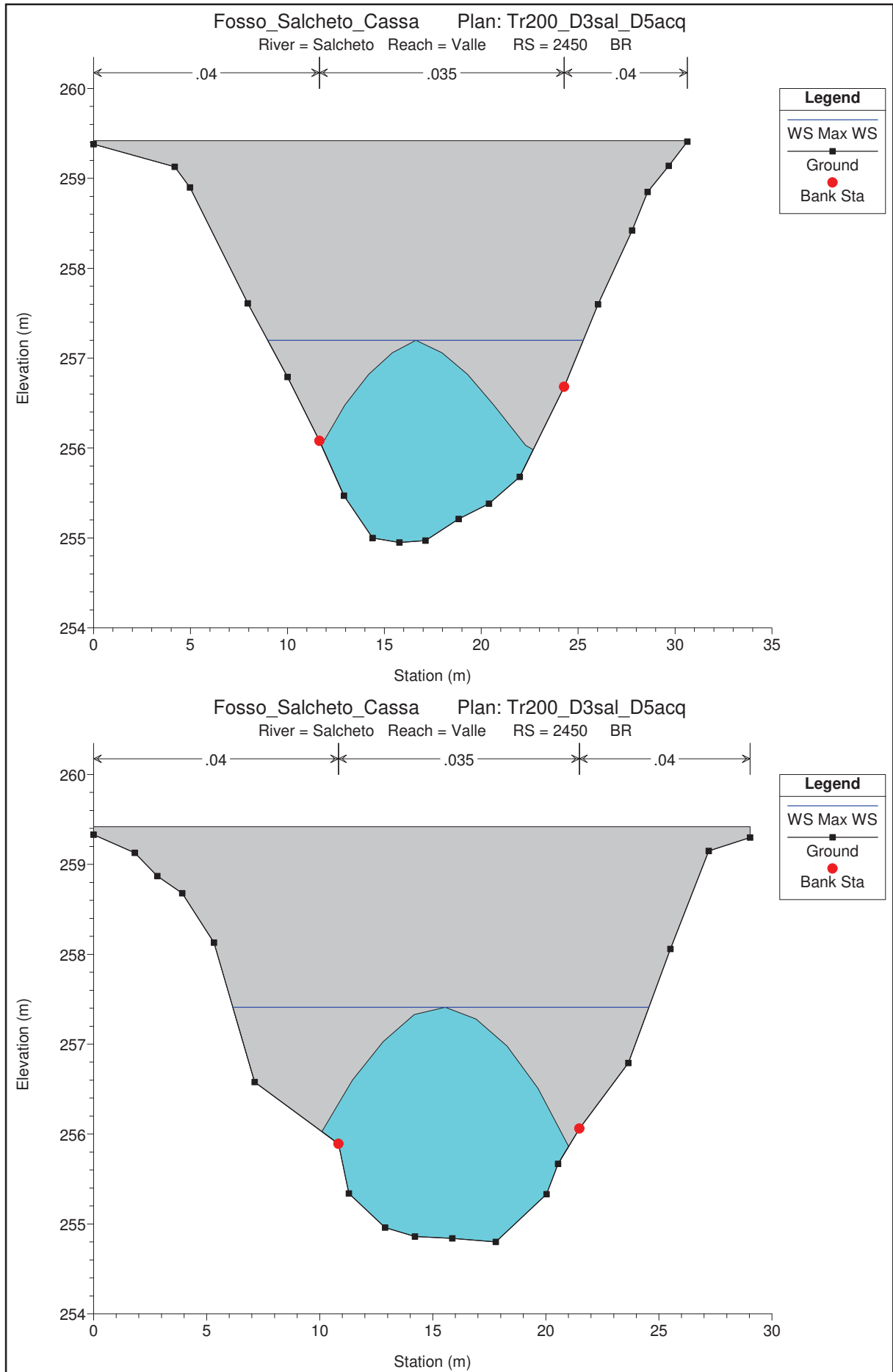


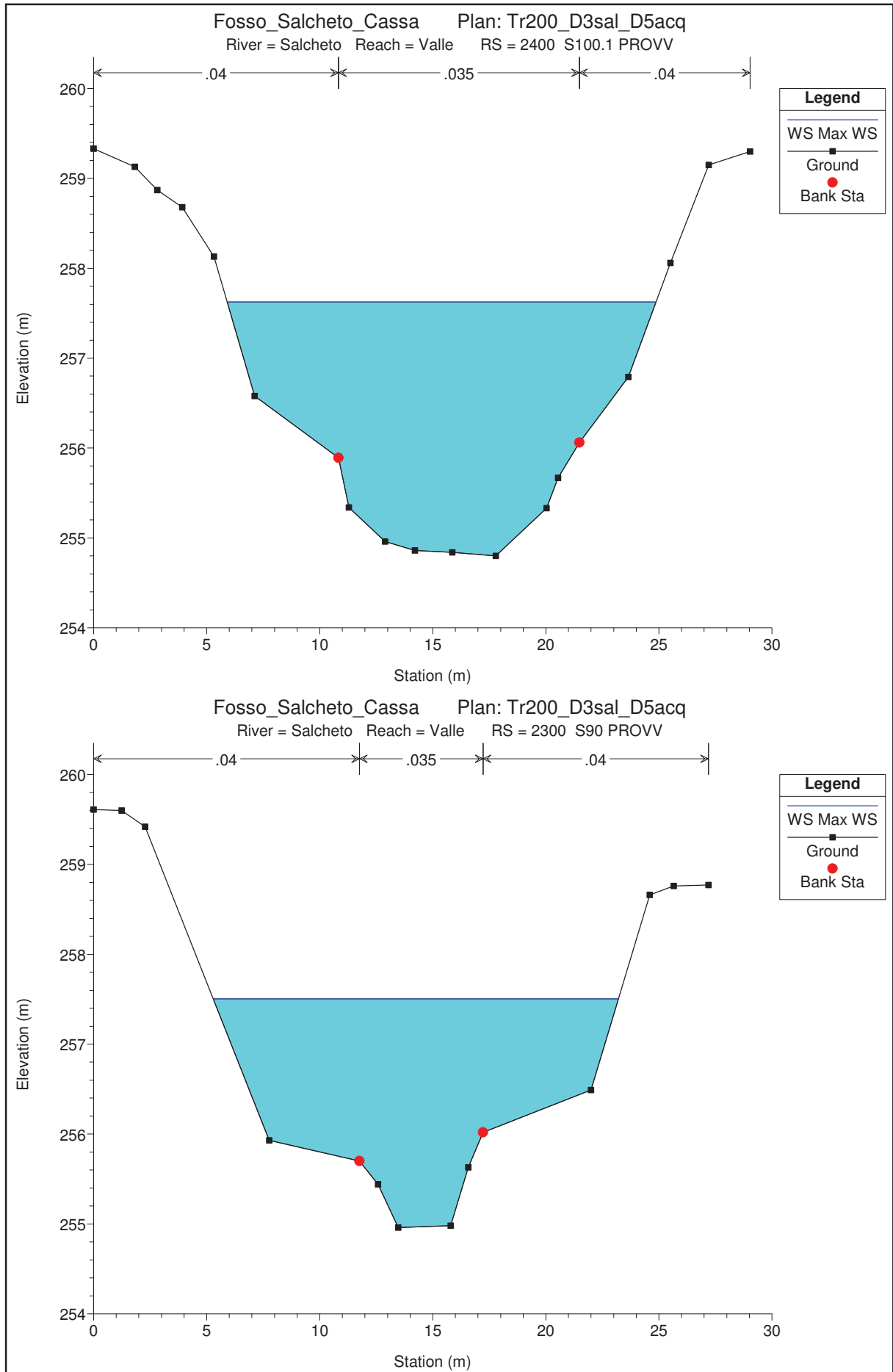


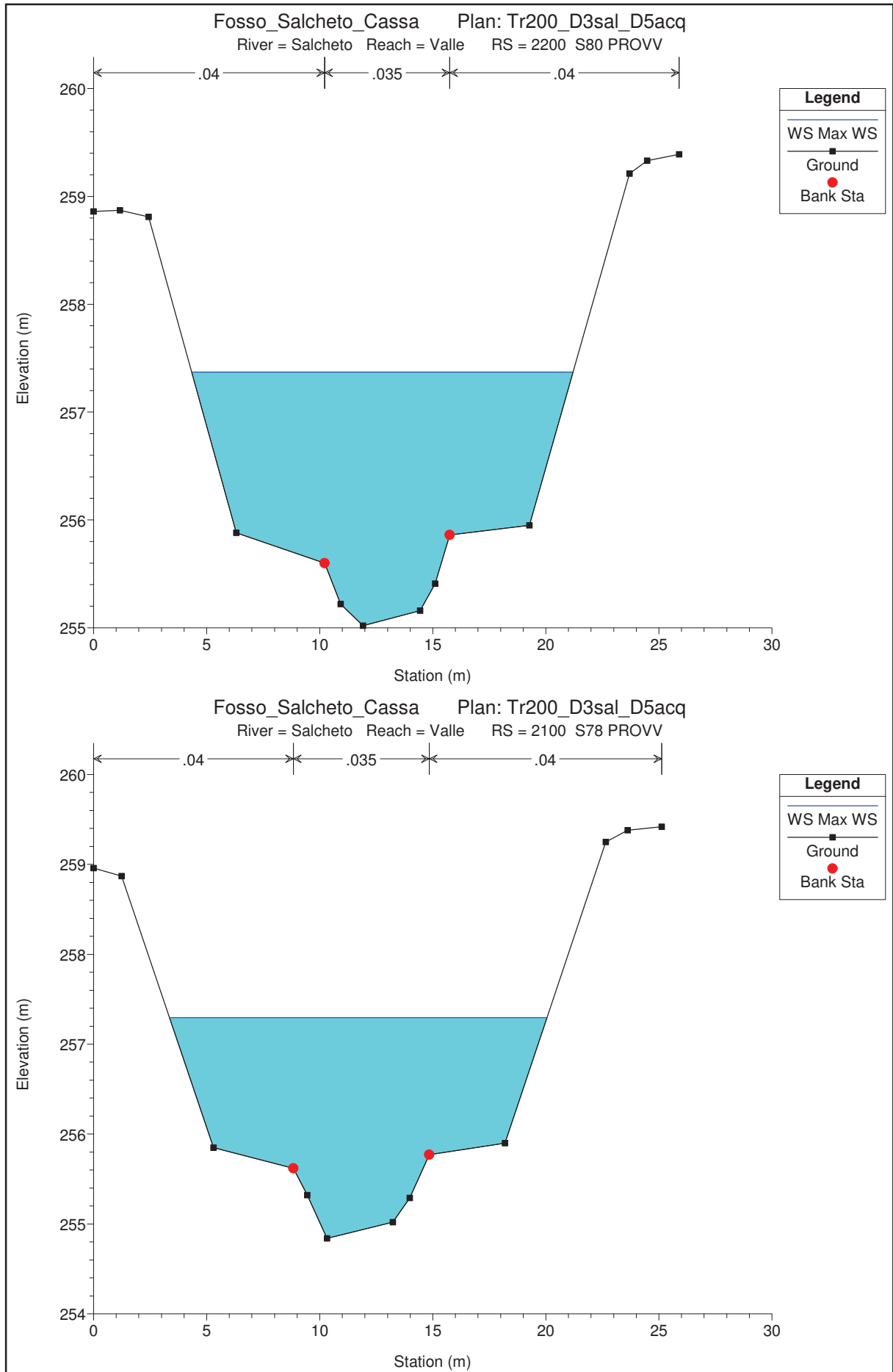


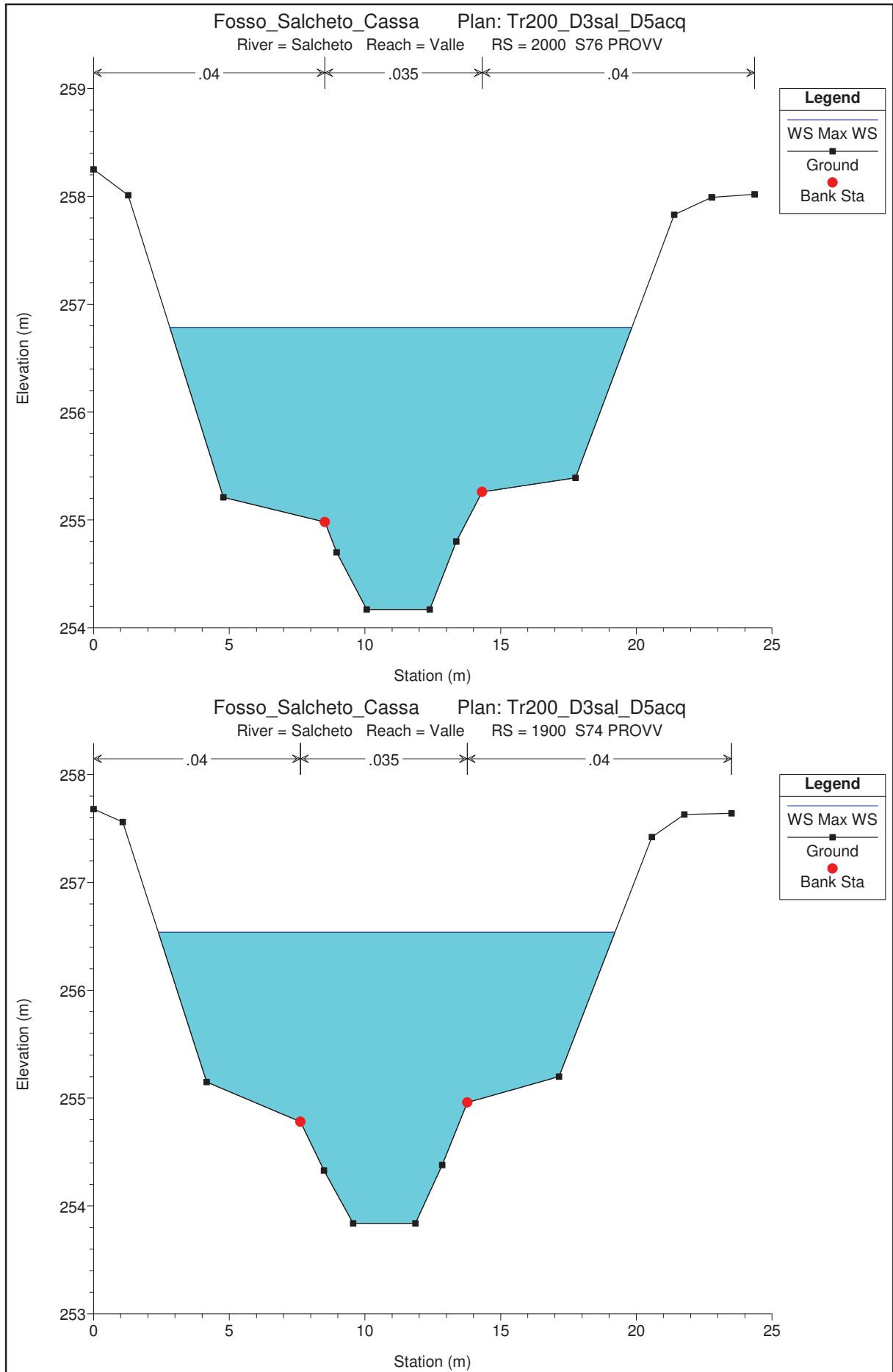


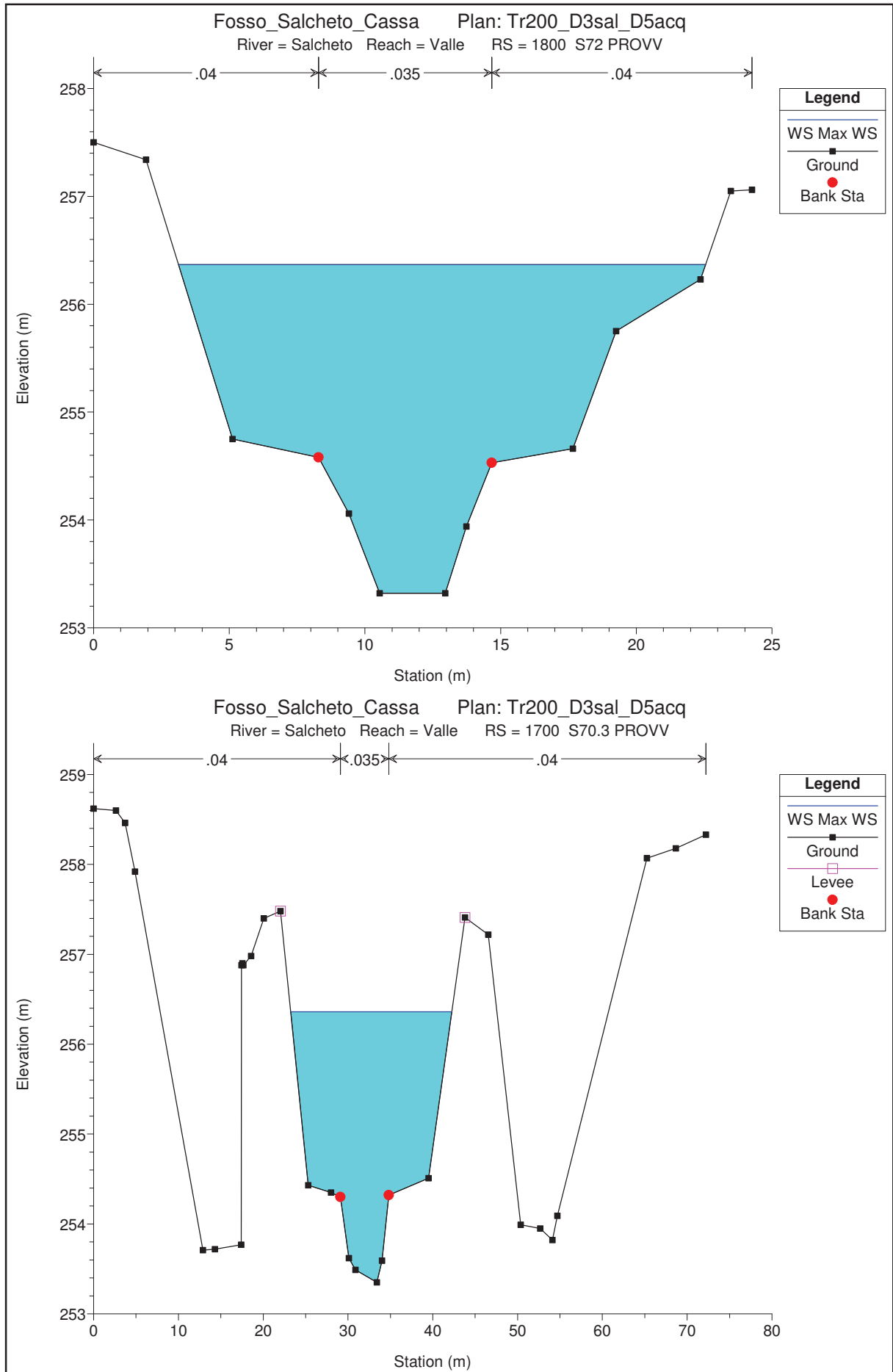


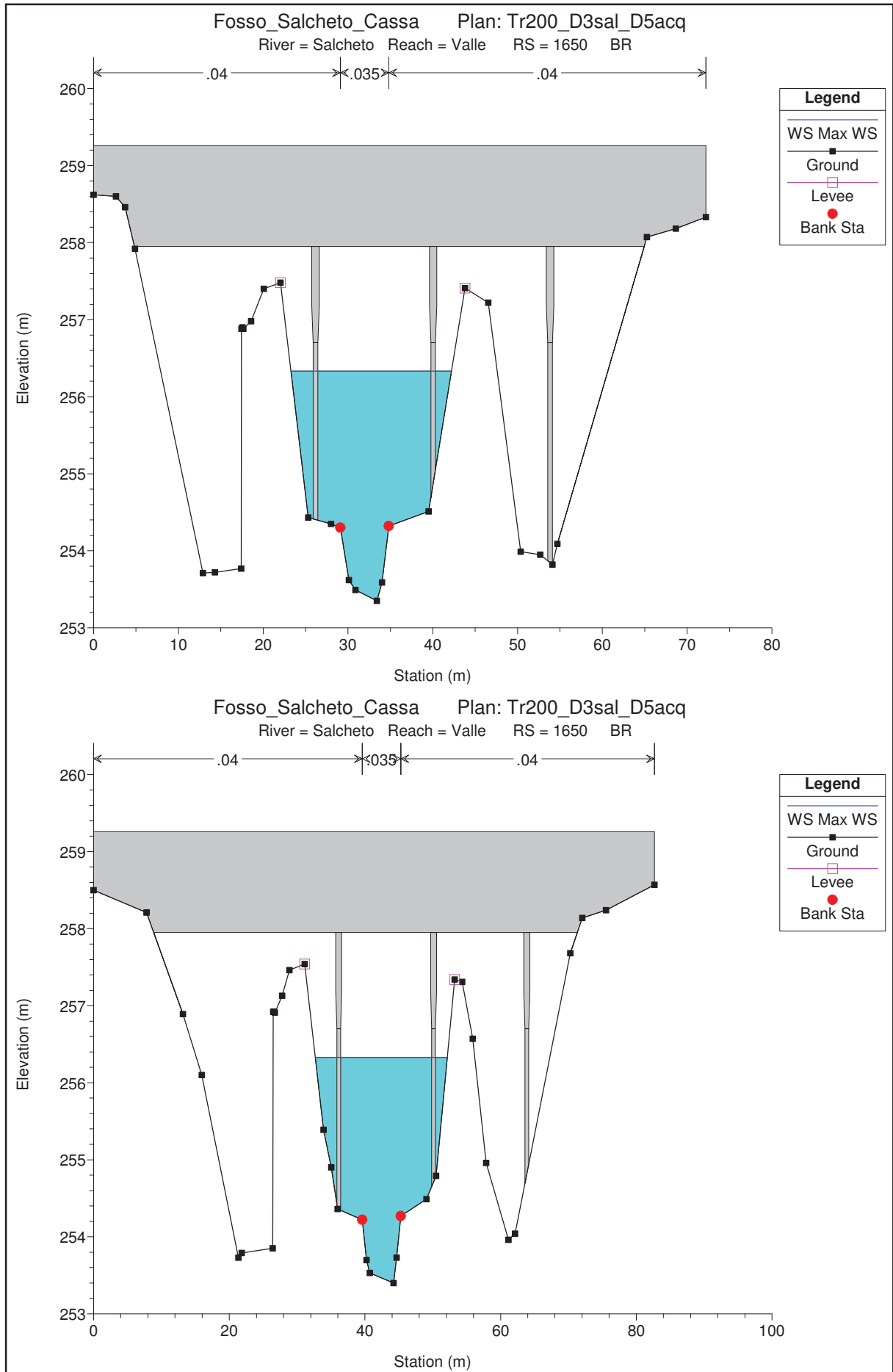


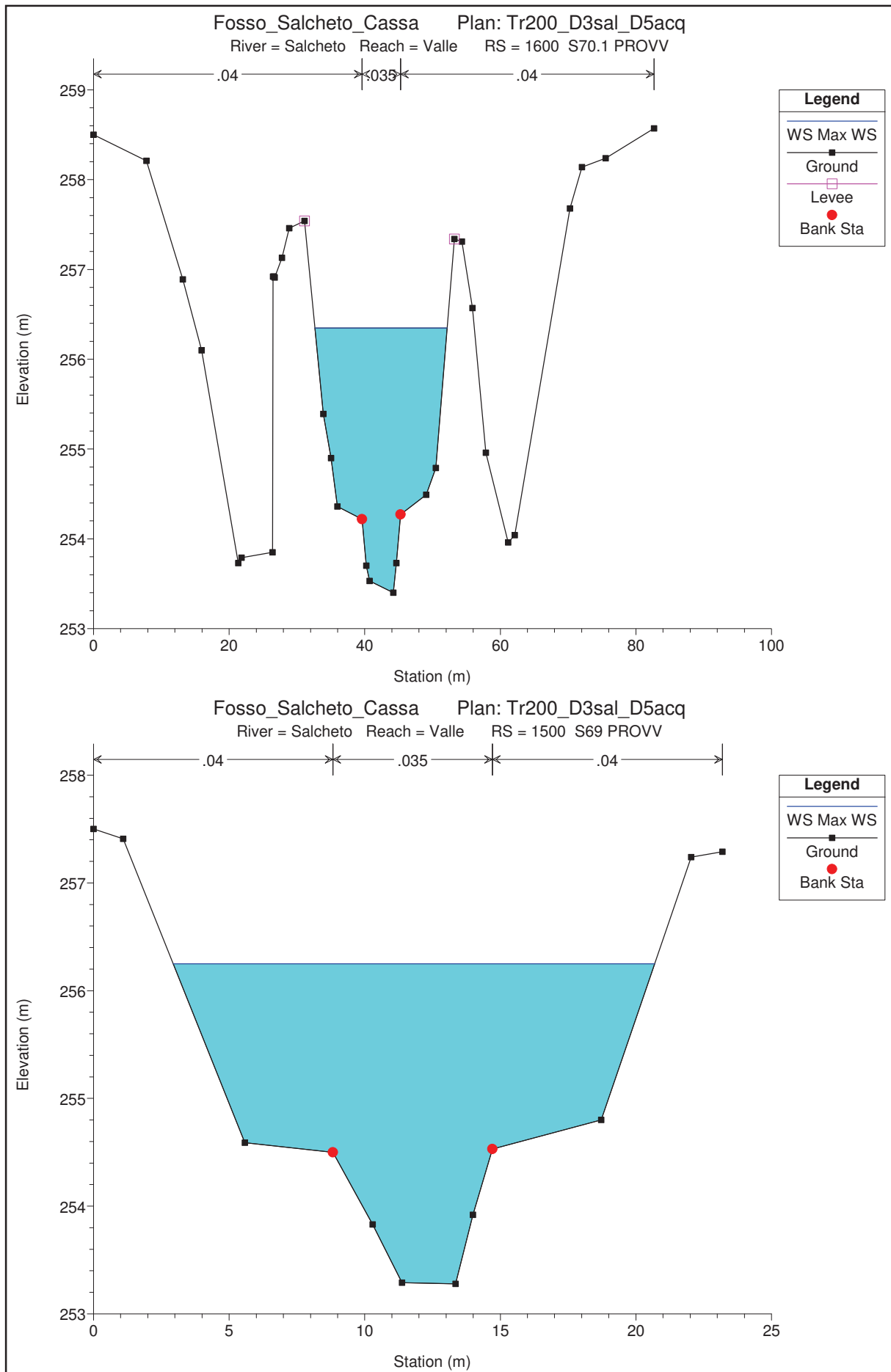


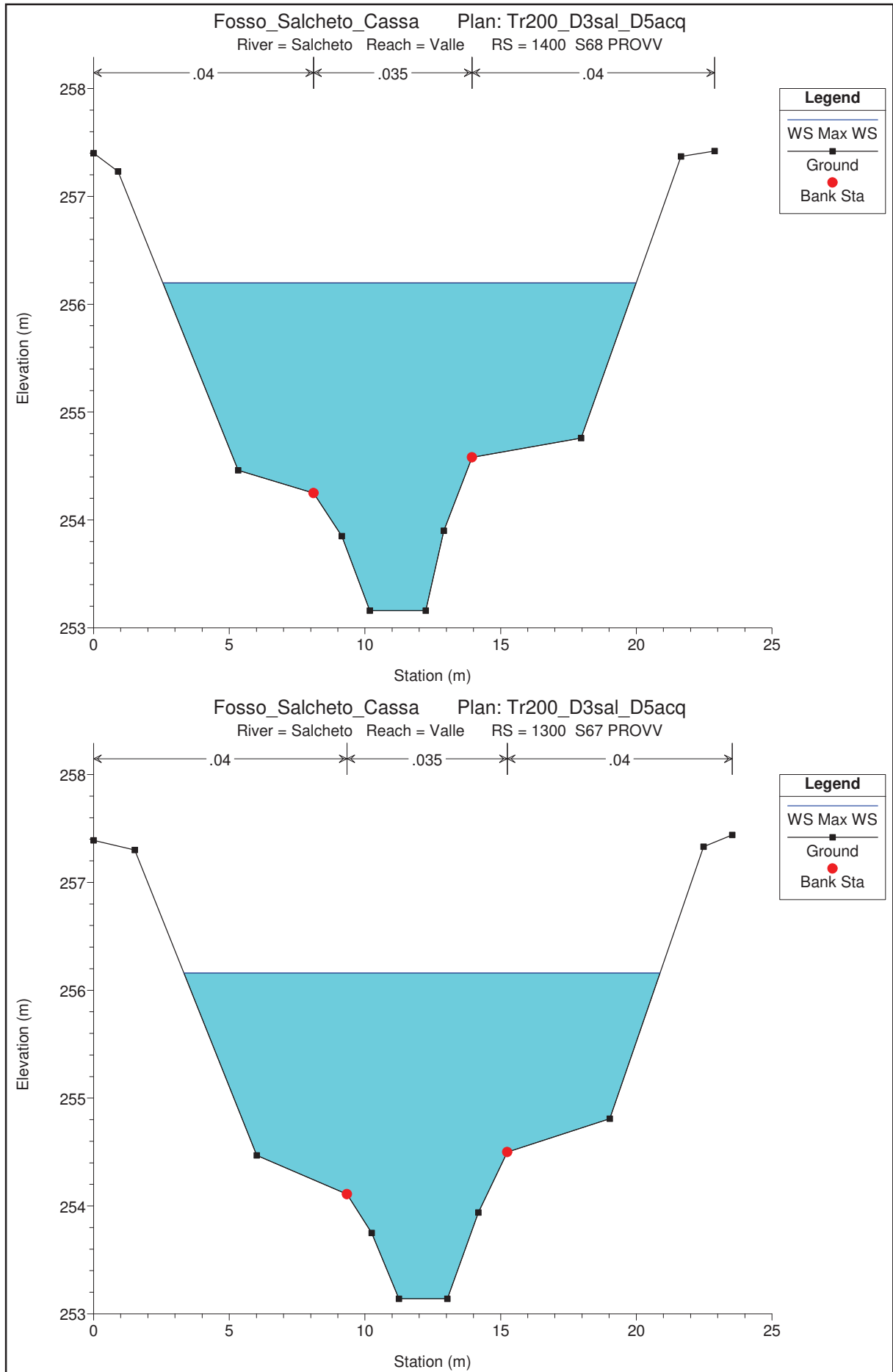


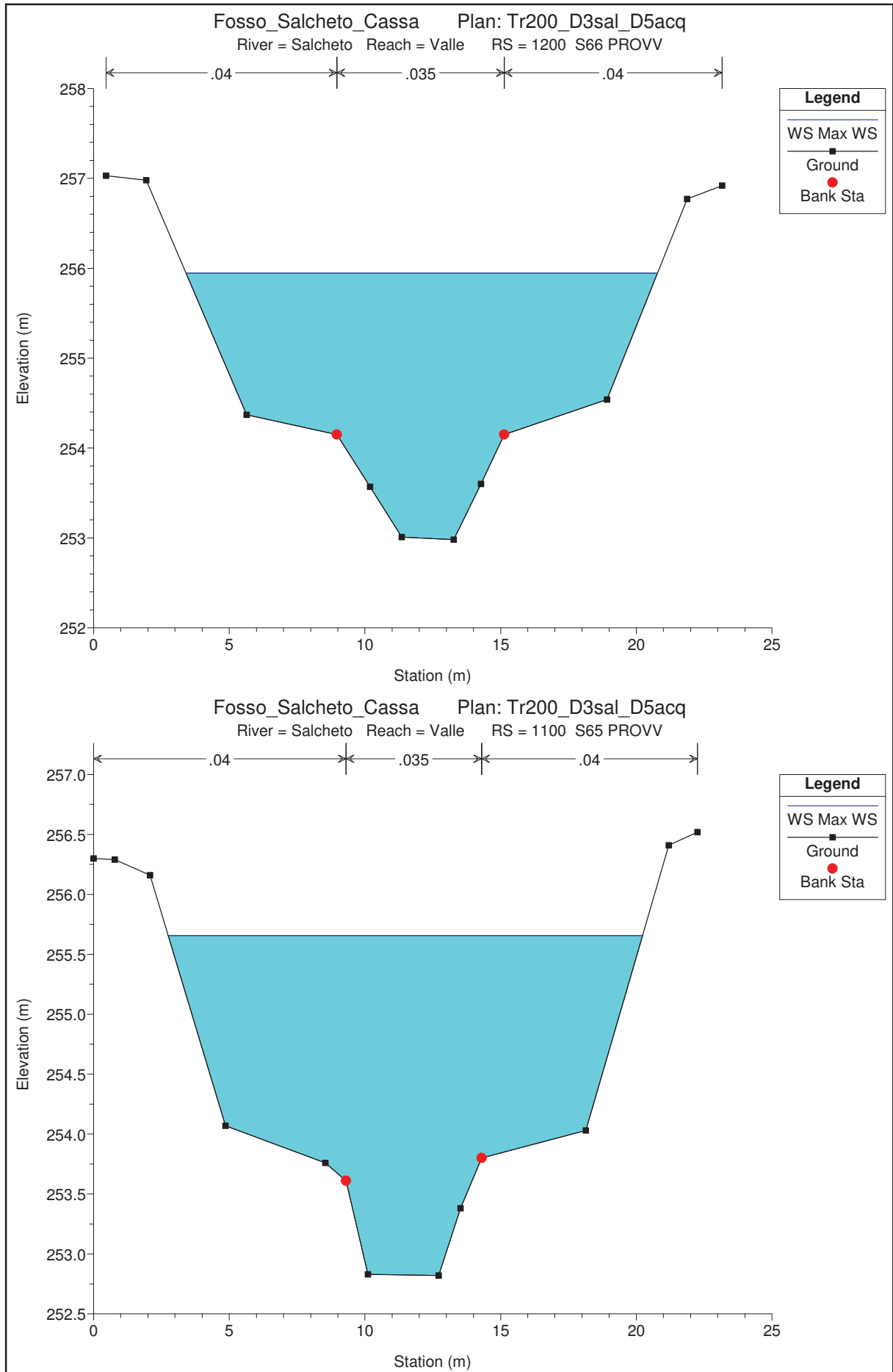


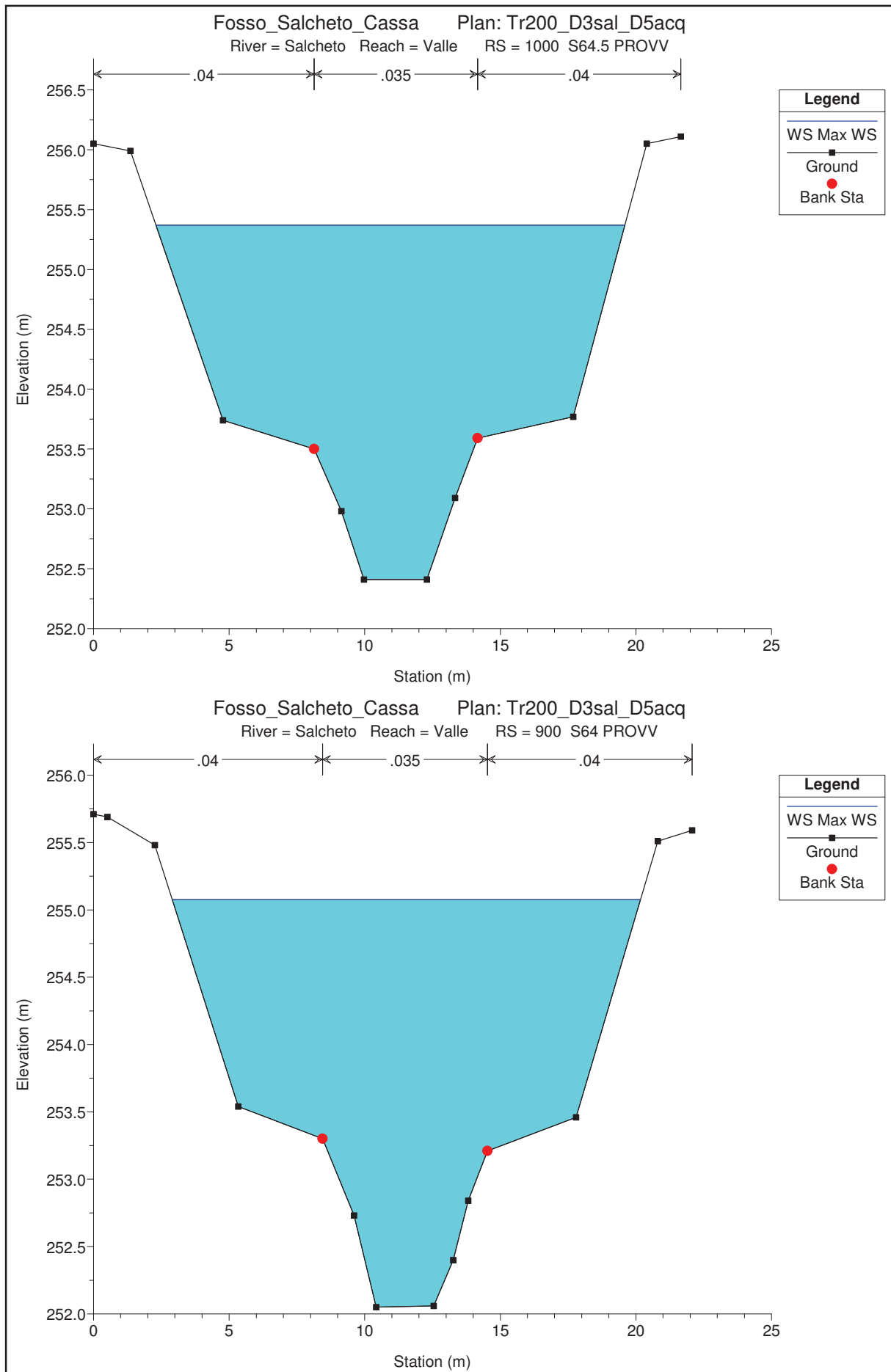


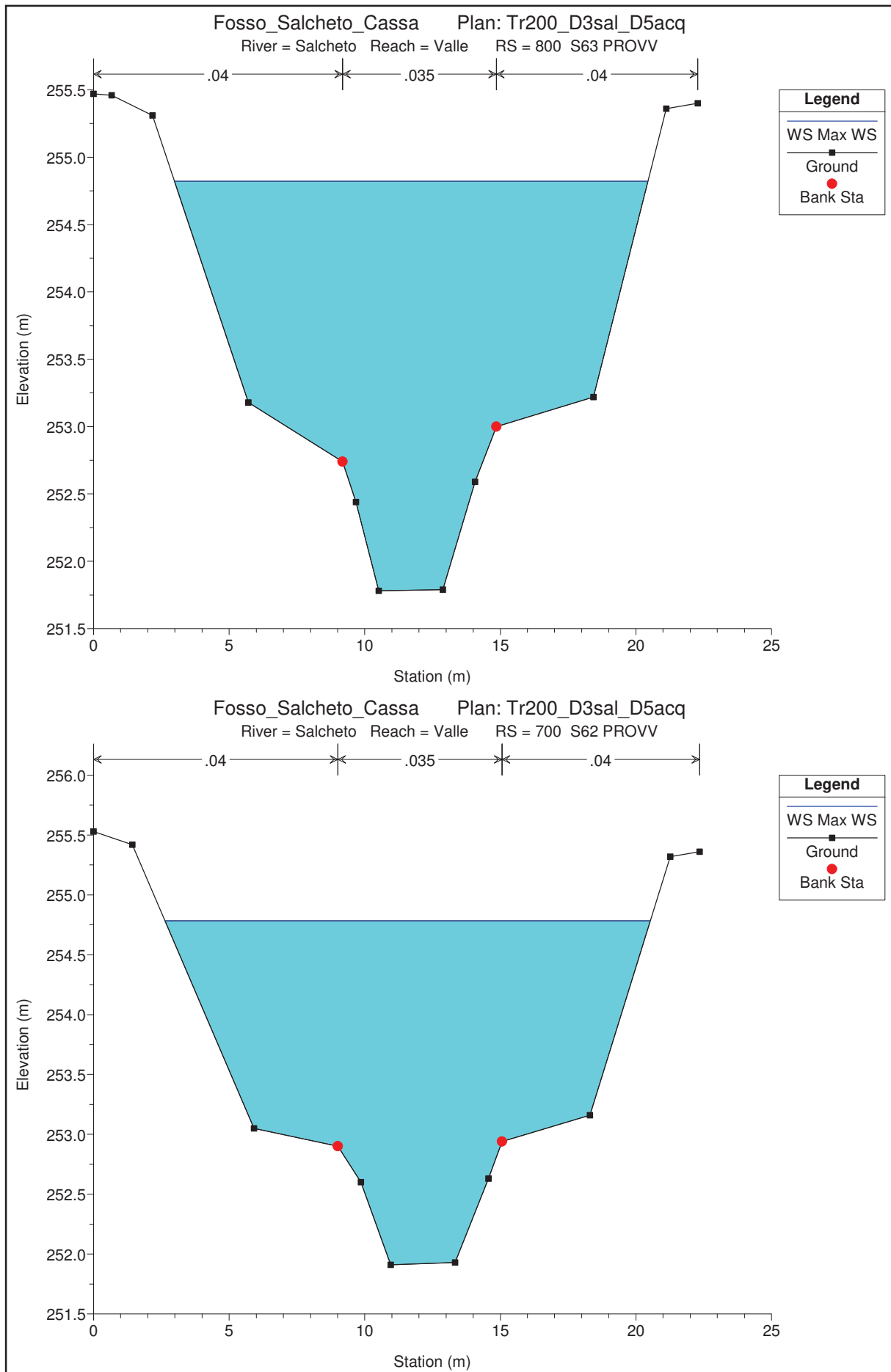


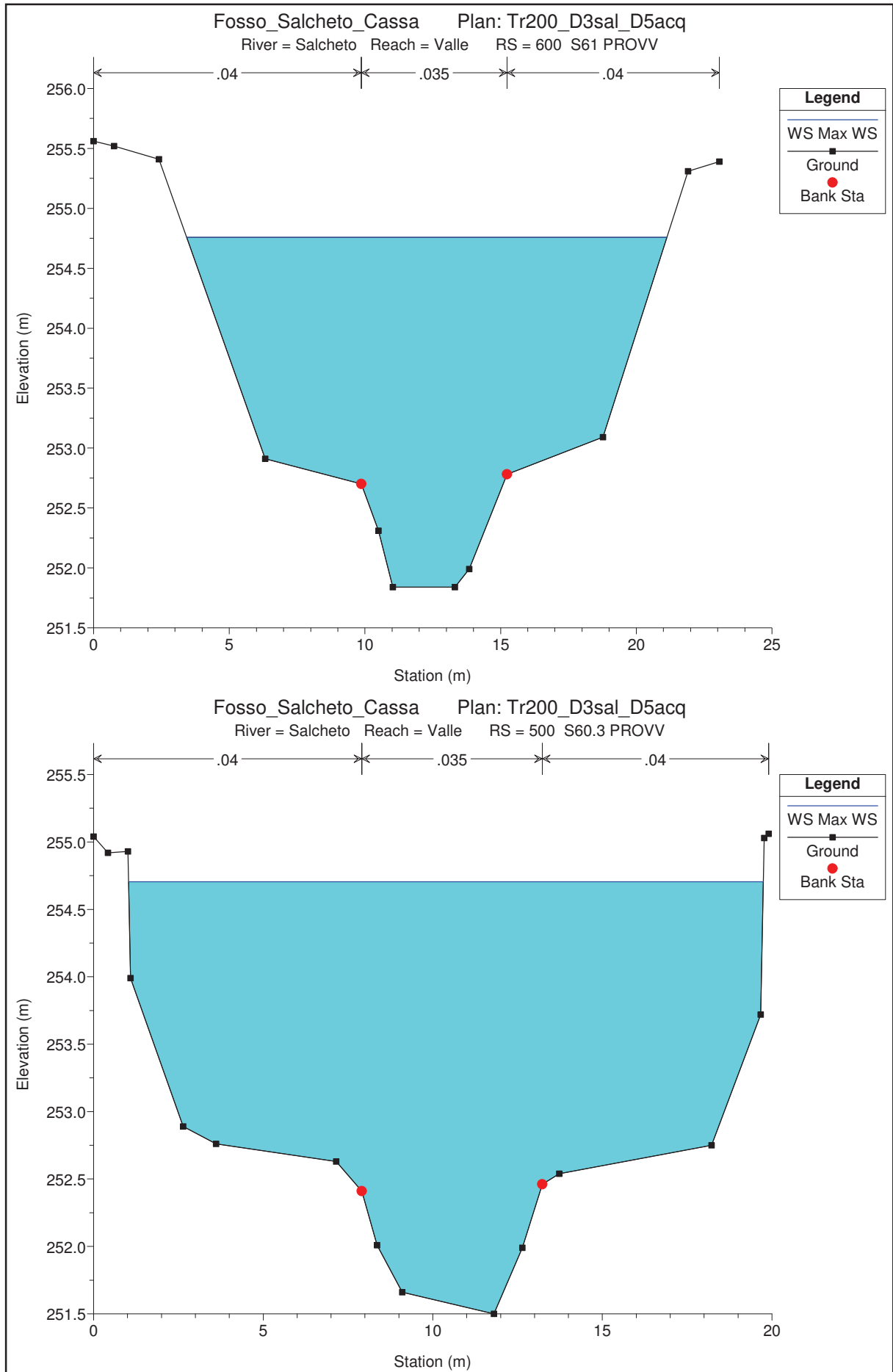


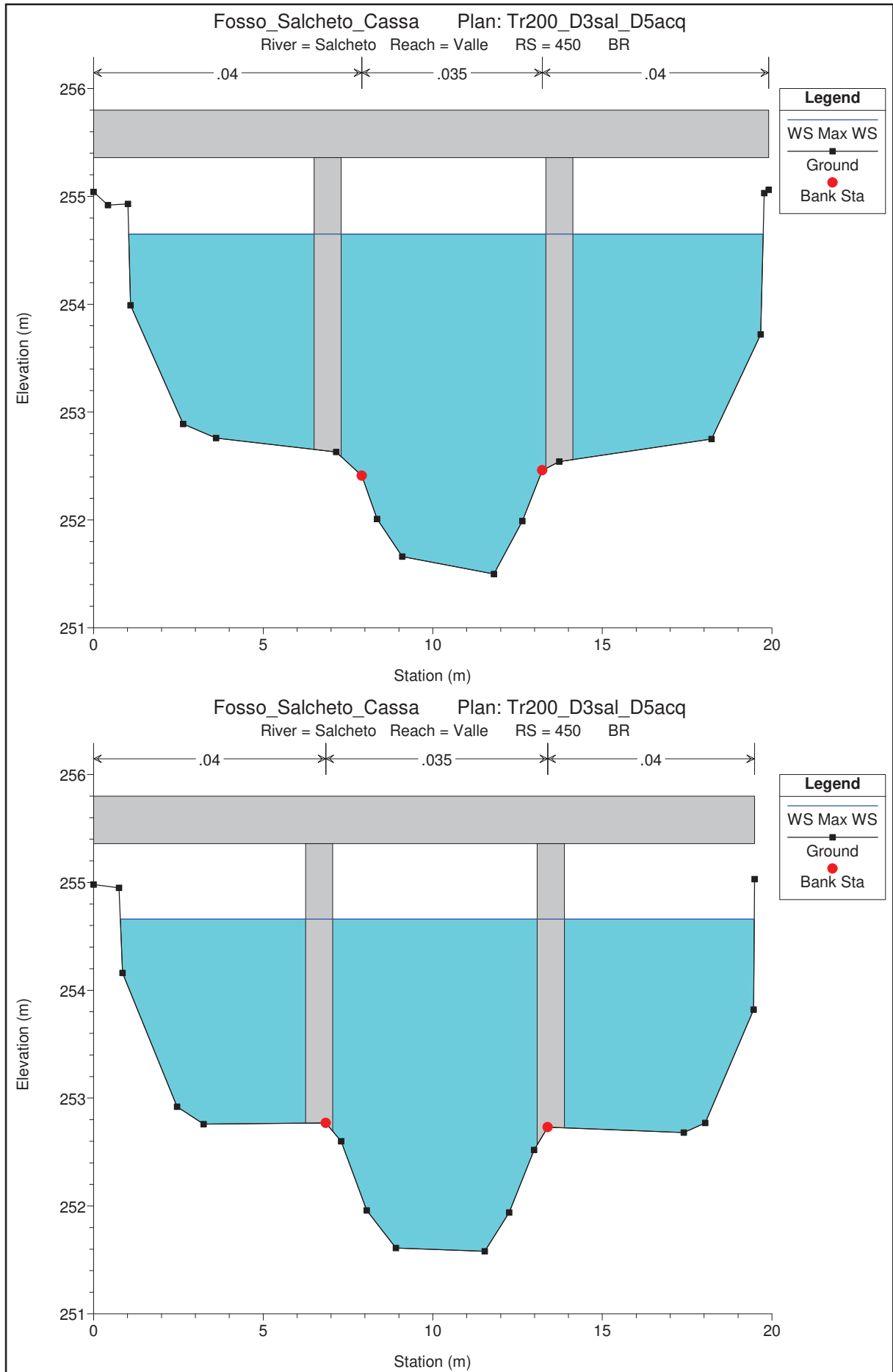


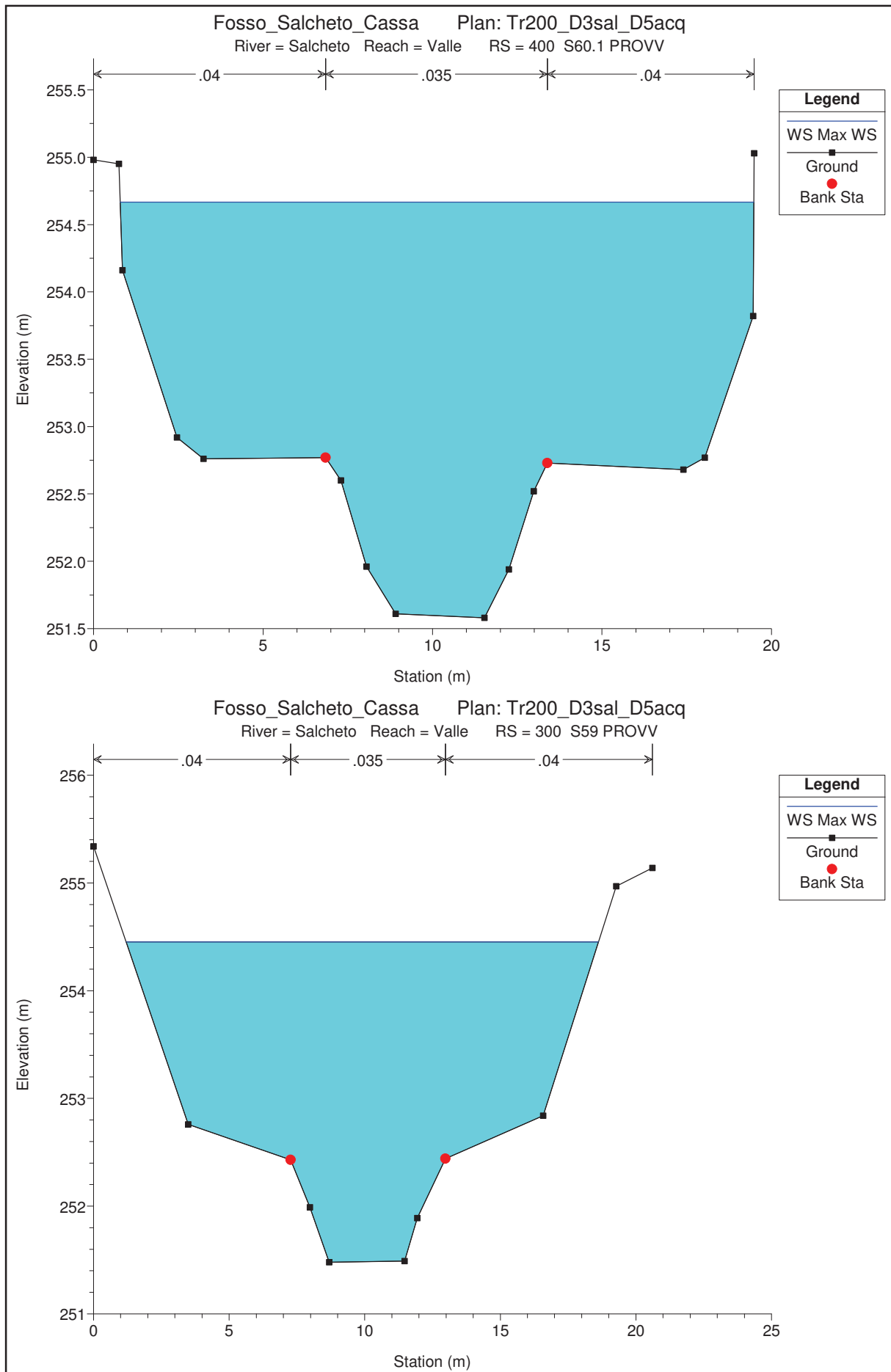


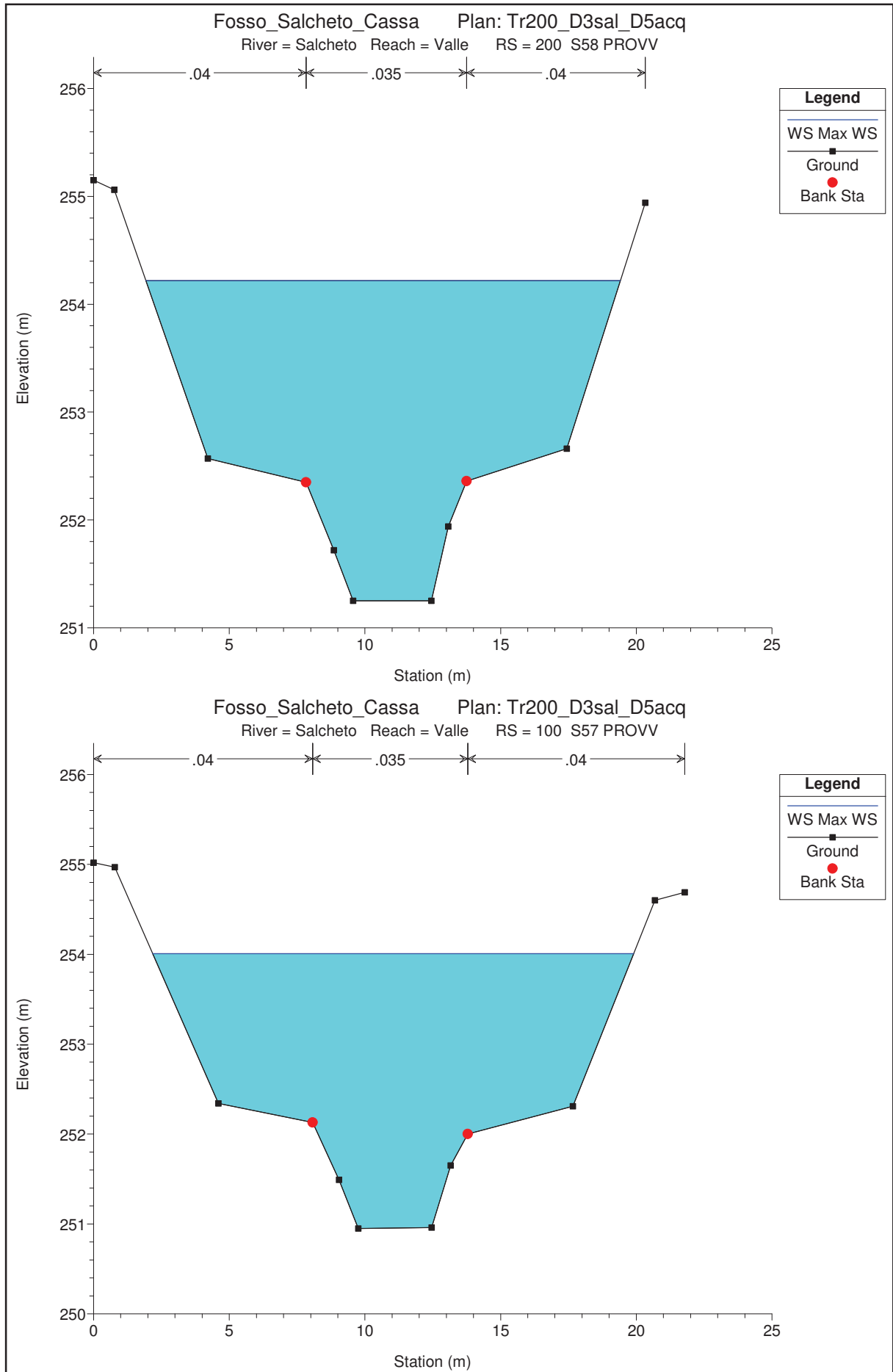














ALLEGATI

MODELLAZIONE HEC-RAS 5.0.3 "Salcheto Acquaviva"

FOSSO SALCHETO

MODELLAZIONE PER TR=30 anni

DURATE DI PIOGGIA: 3h

Dati idraulici

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Monte	21700	Max WS	32.70	262.70	265.14		265.49	0.004964	2.63	13.11	9.89	0.64
Monte	21600	Max WS	32.64	262.16	264.81		265.01	0.002953	2.00	18.09	15.52	0.50
Monte	21500	Max WS	32.63	261.67	264.76		264.82	0.000714	1.16	38.92	40.61	0.26
Monte	21450		Culvert									
Monte	21400	Max WS	32.63	261.56	264.77		264.80	0.000260	0.81	54.35	46.86	0.16
Monte	21300	Max WS	32.62	261.14	264.73		264.79	0.000715	1.25	38.08	50.50	0.25
Monte	21200	Max WS	32.63	261.35	264.69	263.41	264.77	0.000840	1.42	35.42	40.36	0.27
Monte	21150		Bridge									
Monte	21100	Max WS	32.63	261.20	264.71		264.76	0.000623	1.21	41.73	43.37	0.23
Monte	21090		Lat Struct									
Monte	21000	Max WS	32.63	261.12	264.71		264.74	0.000338	0.93	51.58	39.51	0.17
Monte	20900	Max WS	32.62	261.19	264.68		264.72	0.000716	1.14	42.13	37.25	0.22
Monte	20800	Max WS	32.62	261.18	264.69		264.72	0.000277	0.88	53.61	41.78	0.16
Monte	20750		Culvert									
Monte	20700	Max WS	32.62	261.13	263.25		263.56	0.005227	2.49	13.95	16.49	0.64
Monte	20680		Lat Struct									
Monte	20600	Max WS	32.62	260.50	263.06		263.29	0.003734	2.11	15.49	10.25	0.55
Monte	20540		Lat Struct									
Monte	20500	Max WS	32.62	259.85	262.75		262.95	0.003087	1.98	16.50	10.47	0.50
Monte	20400	Max WS	32.62	259.28	262.31		262.58	0.004757	2.32	14.15	10.93	0.60
Monte	20390		Lat Struct									
Monte	20370		Ini Struct									
Monte	20300	Max WS	24.84	259.20	261.73		261.86	0.001935	1.65	15.40	10.75	0.40
Monte	20295		Lat Struct									
Monte	20290		Lat Struct									
Monte	20200	Max WS	24.83	258.91	261.28	260.93	261.62	0.006485	2.61	10.40	23.41	0.68
Monte	20195		Lat Struct									
Monte	20100	Max WS	24.82	258.20	260.76		260.92	0.002801	1.75	14.80	19.12	0.48
Monte	20095		Lat Struct									
Monte	20000	Max WS	24.77	257.72	260.53		260.66	0.002126	1.60	15.52	12.21	0.41
Cassa	10500	Max WS	40.52	257.60	260.53		260.72	0.002443	2.06	21.77	15.57	0.46
Cassa	10499	Max WS	40.53	257.60	260.53		260.72	0.002445	2.06	21.77	15.57	0.46
Cassa	10400	Max WS	40.50	257.42	260.26		260.47	0.002524	2.15	22.06	15.89	0.47
Cassa	10300	Max WS	40.47	257.21	260.04		260.23	0.002181	2.08	23.43	16.03	0.45
Cassa	10200	Max WS	40.44	256.93	259.89		260.03	0.001580	1.89	27.22	16.65	0.38
Cassa	10100	Max WS	40.42	256.75	259.75		259.87	0.001425	1.80	28.63	17.07	0.36
Cassa	10090		Lat Struct									
Cassa	10000	Max WS	40.41	256.48	259.65		259.74	0.001065	1.59	32.69	18.80	0.31
Cassa	4416.66	Max WS	40.38	256.46	259.54		259.65	0.001270	1.68	30.71	18.50	0.34
Valle	3300	Max WS	55.53	256.46	259.54		259.73	0.001929	2.14	32.71	19.97	0.42
Valle	3275		Lat Struct									
Valle	3270		Lat Struct									
Valle	3200	Max WS	55.51	256.21	259.31		259.49	0.001928	2.13	32.87	20.00	0.43
Valle	3195		Lat Struct									
Valle	3190		Lat Struct									
Valle	3100	Max WS	55.48	256.06	259.05		259.18	0.001504	1.85	39.25	24.74	0.37
Valle	3095		Lat Struct									
Valle	3090		Lat Struct									
Valle	3000	Max WS	45.27	255.70	259.05	257.73	259.08	0.000349	0.99	62.80	35.39	0.18
Valle	2950		Bridge									
Valle	2900	Max WS	45.27	256.00	258.96		259.02	0.000648	1.32	44.82	25.25	0.26
Valle	2895		Lat Struct									
Valle	2890		Lat Struct									
Valle	2800	Max WS	45.27	255.89	258.76		258.94	0.001837	2.15	28.18	20.92	0.43
Valle	2795		Lat Struct									
Valle	2790		Lat Struct									
Valle	2700	Max WS	45.27	255.92	258.75	257.30	258.84	0.000707	1.36	36.07	18.84	0.27
Valle	2650		Bridge									
Valle	2600	Max WS	45.26	255.67	258.13		258.27	0.001319	1.70	29.21	17.19	0.37
Valle	2500	Max WS	45.26	254.95	258.19	256.52	258.26	0.000472	1.19	42.37	20.67	0.23
Valle	2450		Bridge									
Valle	2400	Max WS	45.26	254.80	257.54		257.65	0.000905	1.51	34.28	18.75	0.31
Valle	2300	Max WS	45.26	254.96	257.42		257.61	0.002432	2.23	26.14	17.69	0.48
Valle	2200	Max WS	45.26	255.02	257.29		257.49	0.002684	2.32	24.88	16.64	0.51
Valle	2100	Max WS	45.26	254.84	257.21		257.42	0.002609	2.29	24.81	16.47	0.51
Valle	2000	Max WS	45.25	254.17	256.70		256.88	0.002226	2.18	26.29	16.79	0.47
Valle	1900	Max WS	45.24	253.84	256.45		256.64	0.002135	2.18	26.14	16.57	0.46
Valle	1800	Max WS	45.23	253.32	256.27		256.42	0.001503	1.92	30.37	19.19	0.38
Valle	1700	Max WS	45.23	253.35	256.27	255.19	256.37	0.001037	1.66	35.13	18.77	0.33
Valle	1650		Bridge									
Valle	1600	Max WS	45.23	253.40	256.26		256.35	0.000983	1.62	36.07	19.28	0.32
Valle	1500	Max WS	45.23	253.28	256.16		256.31	0.001723	1.99	28.88	17.49	0.41
Valle	1400	Max WS	45.22	253.16	256.10		256.26	0.001733	2.00	28.62	17.17	0.41
Valle	1300	Max WS	45.22	253.14	256.07		256.22	0.001634	1.98	29.04	17.27	0.40
Valle	1200	Max WS	45.22	252.98	255.85		256.01	0.001626	1.98	28.91	17.12	0.40
Valle	1100	Max WS	45.21	252.82	255.56		255.71	0.001671	2.00	29.36	17.24	0.40
Valle	1000	Max WS	45.20	252.41	255.28		255.42	0.001560	1.94	29.41	17.04	0.39
Valle	900	Max WS	45.19	252.05	254.98		255.13	0.001625	1.98	28.82	16.97	0.40
Valle	800	Max WS	45.18	251.78	254.73		254.87	0.001472	1.92	30.04	17.18	0.38
Valle	700	Max WS	45.18	251.91	254.69		254.83	0.001581	1.95	29.49	17.57	0.40
Valle	600	Max WS	45.18	251.84	254.66		254.79	0.001436	1.91	30.60	17.41	0.38
Valle	500	Max WS	45.17	251.50	254.61	253.42	254.69	0.000794	1.51	38.88	18.70	0.29
Valle	450		Bridge									
Valle	400	Max WS	45.18	251.58	254.57		254.66	0.000886	1.52	37.28	18.68	0.30
Valle	300	Max WS	45.17	251.48	254.36		254.49	0.001352	1.87	30.92	17.17	0.37
Valle	200	Max WS	45.17	251.25	254.12		254.26	0.001463	1.89	30.23	17.24	0.38
Valle	100	Max WS	45.17	250.95	253.91	252.95	254.04	0.001351	1.85	31.20	17.46	0.36



ALLEGATI

MODELLAZIONE HEC-RAS 5.0.3 "Salcheto Acquaviva"

FOSSO SALCHETO

MODELLAZIONE PER TR=200 anni

DURATE DI PIOGGIA: 3h

Dati idraulici

HEC-RAS Plan: Tr200_D3sal_D5acq Profile: Max WS

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Monte	21700	Max WS	56.90	262.70	265.67		266.21	0.005633	3.35	18.84	11.95	0.72
Monte	21600	Max WS	56.85	262.16	265.21		265.54	0.003885	2.64	24.87	18.69	0.59
Monte	21500	Max WS	56.83	261.67	265.16		265.23	0.000880	1.45	57.11	48.94	0.29
Monte	21450		Culvert									
Monte	21400	Max WS	56.83	261.56	265.17		265.22	0.000385	1.09	76.10	60.08	0.21
Monte	21300	Max WS	56.83	261.14	265.12		265.20	0.000850	1.50	60.18	61.20	0.28
Monte	21200	Max WS	56.83	261.35	265.07	264.34	265.18	0.001141	1.80	53.44	55.69	0.33
Monte	21150		Bridge									
Monte	21100	Max WS	56.83	261.20	265.09		265.16	0.000848	1.54	60.88	57.63	0.28
Monte	21090		Lat Struct									
Monte	21000	Max WS	56.77	261.12	265.08		265.13	0.000525	1.26	68.52	50.01	0.22
Monte	20900	Max WS	56.68	261.19	265.05		265.11	0.001011	1.47	56.61	42.93	0.26
Monte	20800	Max WS	56.68	261.18	265.06		265.11	0.000443	1.20	69.86	47.51	0.21
Monte	20750		Culvert									
Monte	20700	Max WS	56.68	261.13	263.80		264.14	0.004342	2.77	25.44	25.43	0.61
Monte	20680		Lat Struct									
Monte	20600	Max WS	56.68	260.50	263.62		263.96	0.003787	2.60	23.88	21.72	0.58
Monte	20540		Lat Struct									
Monte	20500	Max WS	56.68	259.85	263.26		263.58	0.003569	2.55	24.41	22.50	0.56
Monte	20400	Max WS	56.68	259.28	262.79		263.21	0.005377	2.95	21.56	20.51	0.66
Monte	20390		Lat Struct									
Monte	20370		Ini Struct									
Monte	20300	Max WS	44.23	259.20	262.13		262.40	0.002898	2.33	20.47	14.11	0.51
Monte	20295		Lat Struct									
Monte	20290		Lat Struct									
Monte	20200	Max WS	38.08	258.91	261.60	261.56	261.94	0.005759	2.79	17.90	23.83	0.66
Monte	20195		Lat Struct									
Monte	20100	Max WS	38.03	258.20	261.06		261.25	0.002867	2.01	23.71	36.60	0.50
Monte	20095		Lat Struct									
Monte	20000	Max WS	34.85	257.72	260.81		260.98	0.002448	1.88	19.30	13.80	0.45
Cassa	10500	Max WS	52.35	257.60	260.81		261.04	0.002475	2.26	26.35	16.78	0.48
Cassa	10499	Max WS	52.35	257.60	260.81		261.04	0.002476	2.26	26.35	16.78	0.48
Cassa	10400	Max WS	52.34	257.42	260.55		260.79	0.002527	2.34	26.66	16.69	0.48
Cassa	10300	Max WS	52.32	257.21	260.32		260.54	0.002226	2.27	28.04	16.79	0.46
Cassa	10200	Max WS	52.28	256.93	260.17		260.33	0.001698	2.10	31.89	17.41	0.40
Cassa	10100	Max WS	52.25	256.75	260.01		260.16	0.001577	2.02	33.16	17.82	0.39
Cassa	10090		Lat Struct									
Cassa	10000	Max WS	52.23	256.48	259.90		260.02	0.001207	1.79	37.46	19.49	0.34
Cassa	4416.66	Max WS	52.17	256.46	259.77		259.91	0.001452	1.91	35.08	19.15	0.37
Valle	3300	Max WS	70.80	256.46	259.77		260.00	0.002166	2.40	37.45	20.80	0.46
Valle	3275		Lat Struct									
Valle	3270		Lat Struct									
Valle	3200	Max WS	70.80	256.21	259.50		259.73	0.002316	2.44	36.67	20.63	0.47
Valle	3195		Lat Struct									
Valle	3190		Lat Struct									
Valle	3100	Max WS	70.47	256.06	259.16		259.34	0.002077	2.24	41.97	26.23	0.44
Valle	3095		Lat Struct									
Valle	3090		Lat Struct									
Valle	3000	Max WS	48.75	255.70	259.19	257.77	259.23	0.000318	0.97	68.06	35.39	0.18
Valle	2950		Bridge									
Valle	2900	Max WS	48.75	256.00	259.11		259.17	0.000593	1.31	48.68	25.79	0.25
Valle	2895		Lat Struct									
Valle	2890		Lat Struct									
Valle	2800	Max WS	48.75	255.89	258.93		259.10	0.001541	2.06	31.93	21.41	0.40
Valle	2795		Lat Struct									
Valle	2790		Lat Struct									
Valle	2700	Max WS	48.75	255.92	258.92	257.36	259.01	0.000645	1.36	39.41	19.79	0.26
Valle	2650		Bridge									
Valle	2600	Max WS	48.75	255.67	258.35		258.48	0.001086	1.64	32.97	17.99	0.34
Valle	2500	Max WS	48.75	254.95	258.40	256.58	258.46	0.000418	1.18	46.77	21.60	0.22
Valle	2450		Bridge									
Valle	2400	Max WS	48.75	254.80	257.63		257.74	0.000925	1.56	35.85	18.97	0.31
Valle	2300	Max WS	48.75	254.96	257.50		257.70	0.002417	2.28	27.60	17.92	0.48
Valle	2200	Max WS	48.75	255.02	257.37		257.58	0.002663	2.37	26.26	16.87	0.52
Valle	2100	Max WS	48.75	254.84	257.30		257.51	0.002592	2.35	26.18	16.69	0.51
Valle	2000	Max WS	48.74	254.17	256.78		256.97	0.002205	2.23	27.79	17.03	0.47
Valle	1900	Max WS	48.73	253.84	256.54		256.73	0.002115	2.22	27.65	16.83	0.46
Valle	1800	Max WS	48.73	253.32	256.37		256.52	0.001489	1.96	32.17	19.43	0.39
Valle	1700	Max WS	48.73	253.35	256.36	255.25	256.47	0.001047	1.71	36.90	19.01	0.33
Valle	1650		Bridge									
Valle	1600	Max WS	48.73	253.40	256.35		256.45	0.000992	1.66	37.88	19.50	0.32
Valle	1500	Max WS	48.73	253.28	256.25		256.41	0.001715	2.03	30.51	17.76	0.41
Valle	1400	Max WS	48.73	253.16	256.20		256.36	0.001729	2.05	30.21	17.44	0.41
Valle	1300	Max WS	48.73	253.14	256.16		256.32	0.001631	2.03	30.65	17.55	0.40
Valle	1200	Max WS	48.72	252.98	255.95		256.11	0.001622	2.02	30.52	17.38	0.40
Valle	1100	Max WS	48.72	252.82	255.66		255.81	0.001664	2.05	30.99	17.48	0.40
Valle	1000	Max WS	48.71	252.41	255.37		255.52	0.001555	1.99	31.04	17.29	0.39
Valle	900	Max WS	48.70	252.05	255.08		255.24	0.001616	2.02	30.47	17.27	0.40
Valle	800	Max WS	48.70	251.78	254.82		254.97	0.001468	1.97	31.73	17.46	0.38
Valle	700	Max WS	48.69	251.91	254.78		254.93	0.001566	1.99	31.23	17.89	0.40
Valle	600	Max WS	48.69	251.84	254.76		254.90	0.001430	1.95	32.32	17.70	0.38
Valle	500	Max WS	48.69	251.50	254.70	253.47	254.79	0.000802	1.56	40.73	18.72	0.29
Valle	450		Bridge									
Valle	400	Max WS	48.69	251.58	254.67		254.76	0.000893	1.57	39.10	18.70	0.30
Valle	300	Max WS	48.69	251.48	254.45		254.59	0.001355	1.92	32.58	17.42	0.37
Valle	200	Max WS	48.69	251.25	254.22		254.36	0.001461	1.94	31.89	17.49	0.38
Valle	100	Max WS	48.69	250.95	254.01	253.02	254.14	0.001354	1.89	32.89	17.73	0.37



ALLEGATI

MODELLAZIONE HEC-RAS 5.0.3 "Montepulciano stazione"

DOCCIA DI GRACCIANO

MODELLAZIONE PER TR=30 e 200 ANNI

DURATA DI PIOGGIA: 2h

Profilo longitudinale

Sezioni Trasversali

Dati idraulici



ALLEGATI

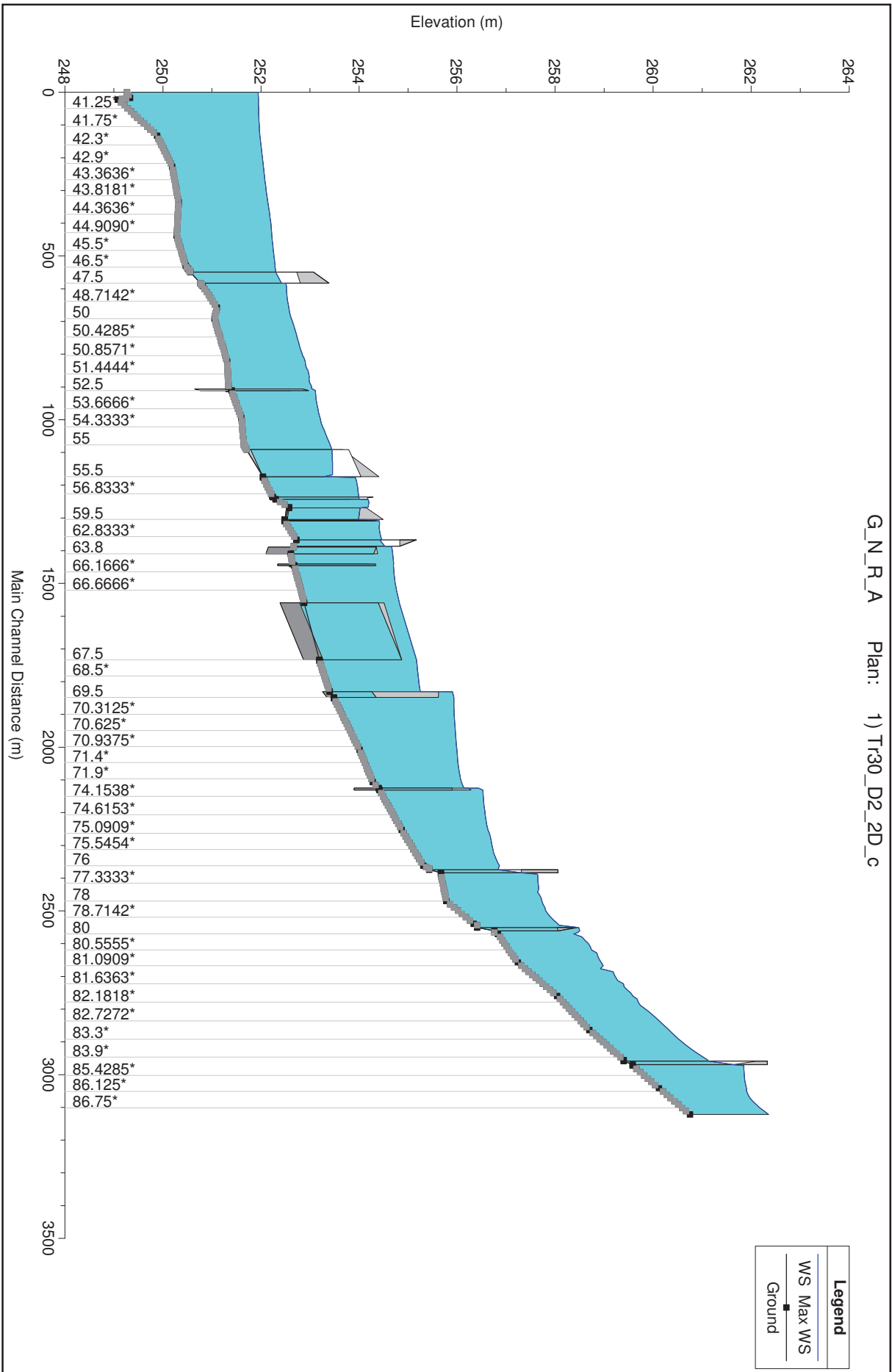
MODELLAZIONE HEC-RAS 5.0.3 "Montepulciano stazione"

DOCCIA DI GRACCIANO

MODELLAZIONE PER TR=30 anni

DURATE DI PIOGGIA: 2h

Profilo longitudinale



G_N_R_A Plan: 1) T\30_D2_2D_c



ALLEGATI

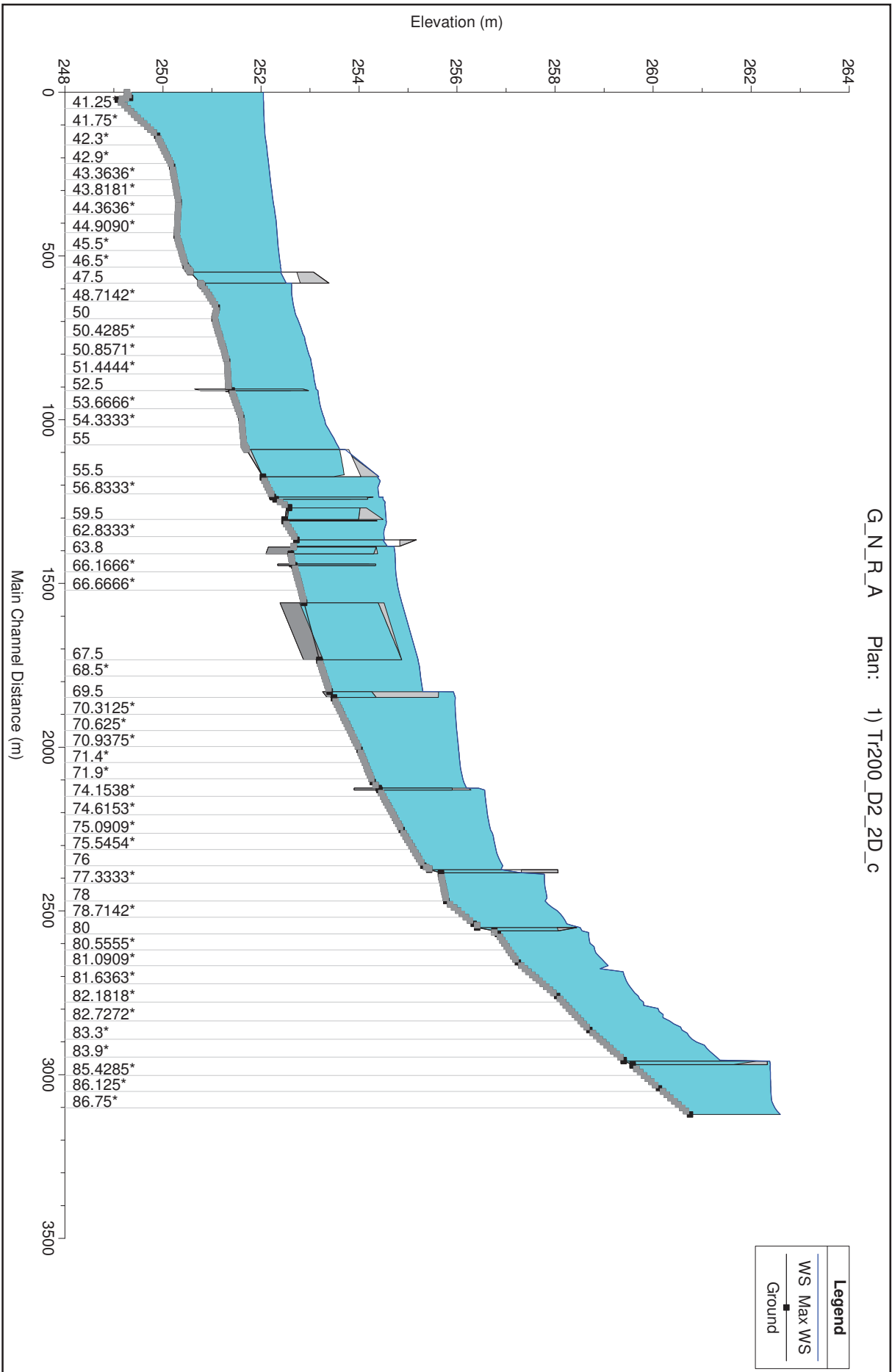
MODELLAZIONE HEC-RAS 5.0.3 "Montepulciano stazione"

DOCCIA DI GRACCIANO

MODELLAZIONE PER TR=200 anni

DURATE DI PIOGGIA: 2h

Profilo longitudinale





ALLEGATI

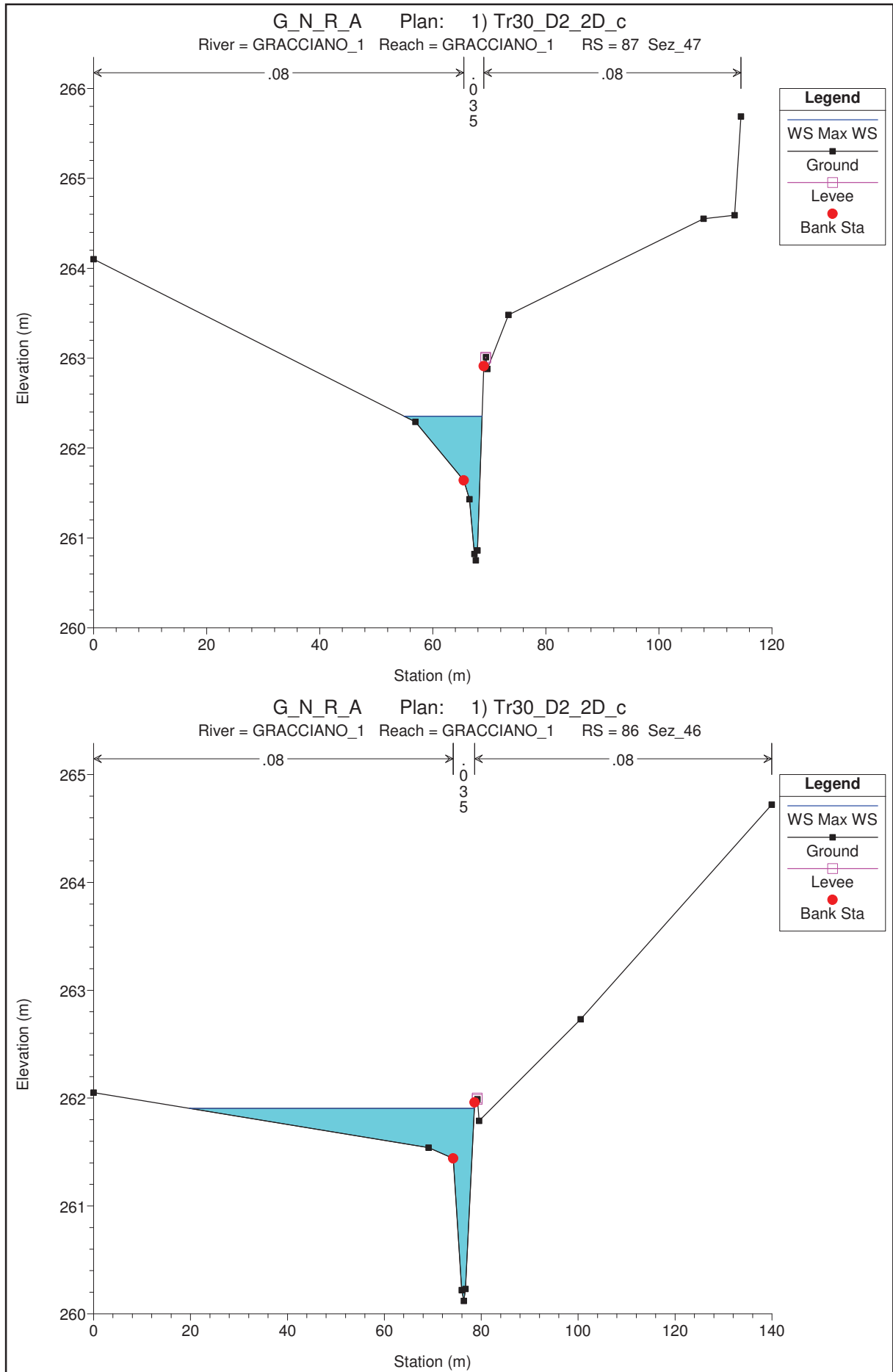
MODELLAZIONE HEC-RAS 5.0.3 "Montepulciano stazione"

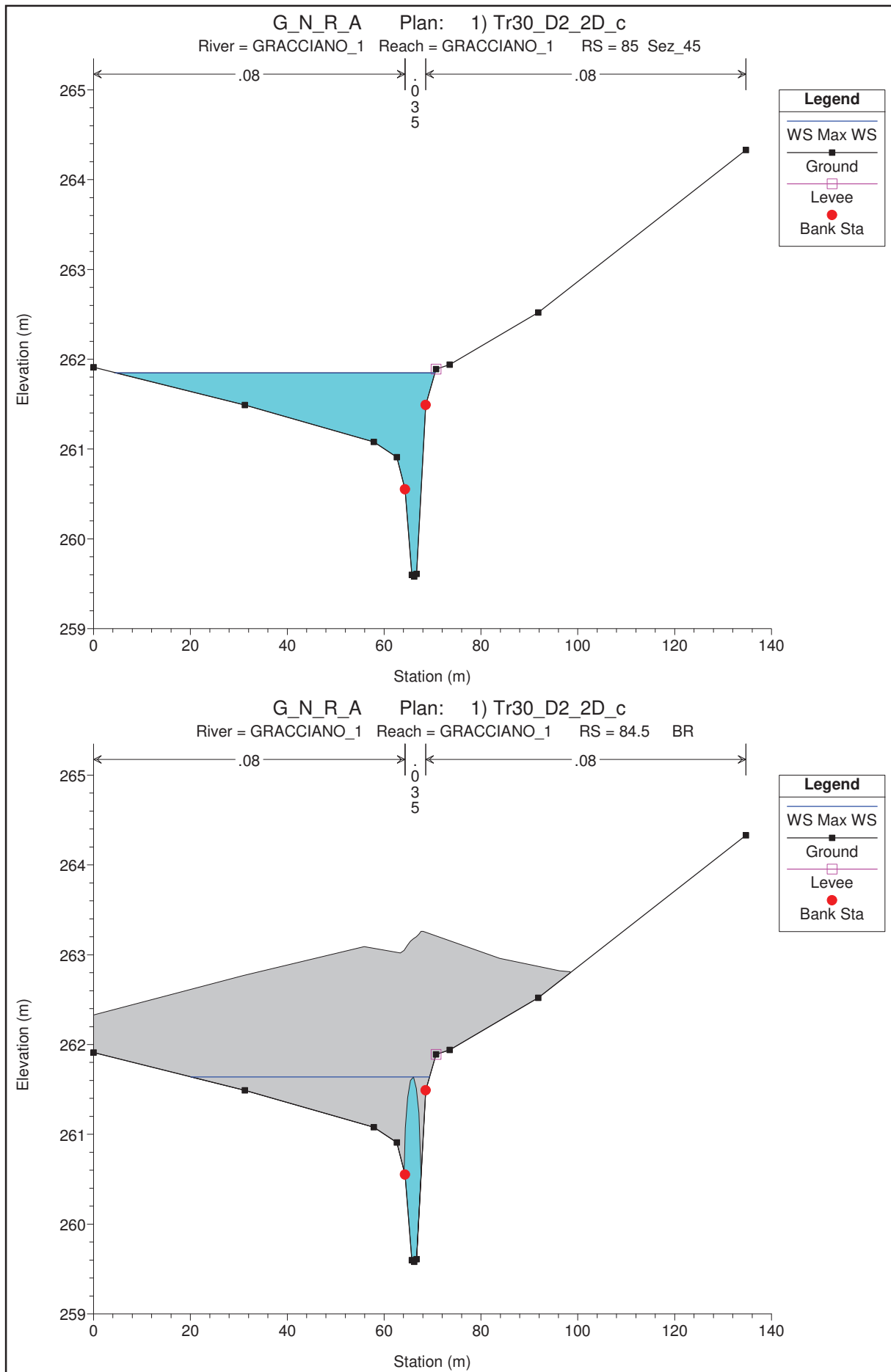
DOCCIA DI GRACCIANO

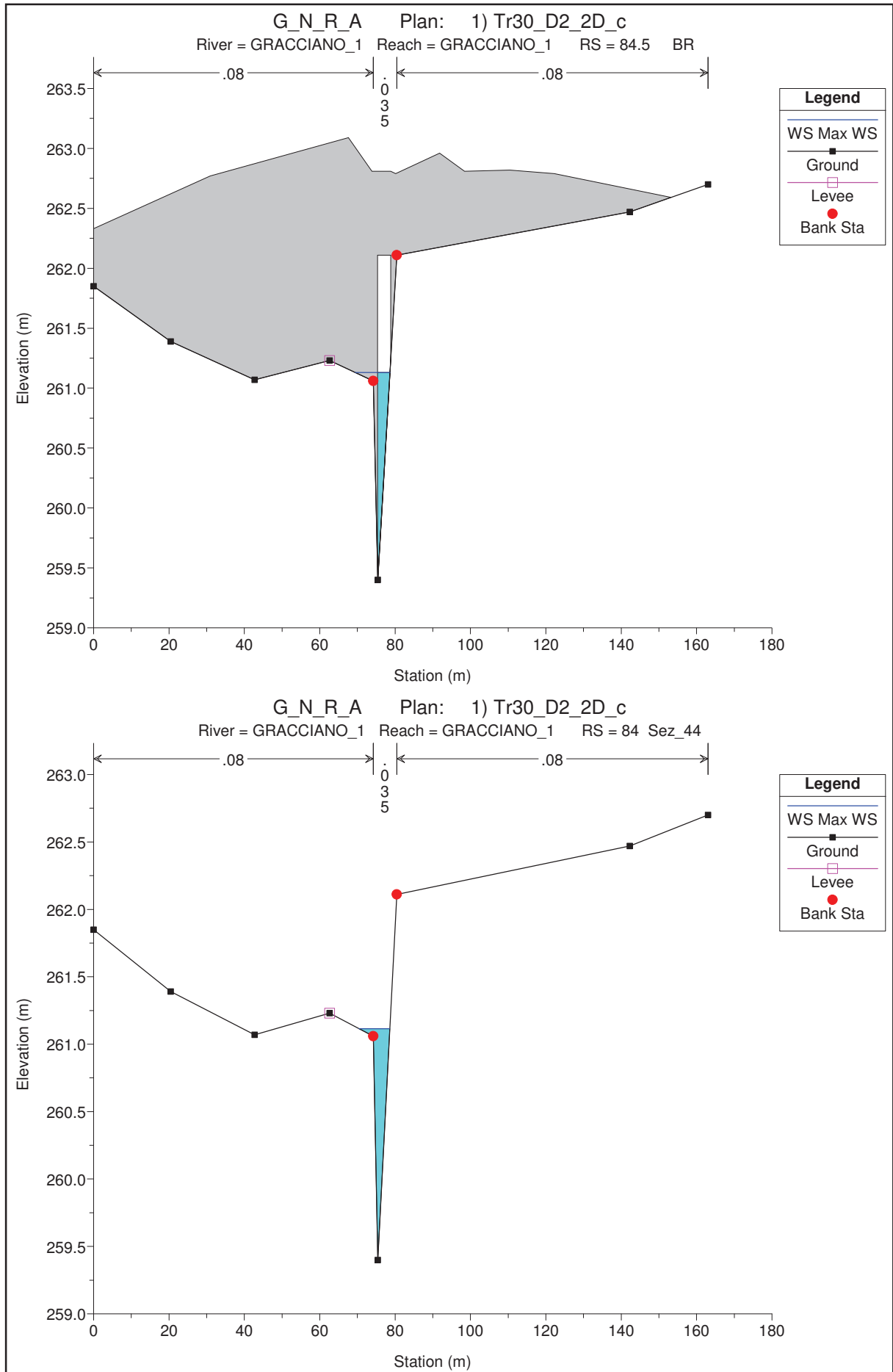
MODELLAZIONE PER TR=30 anni

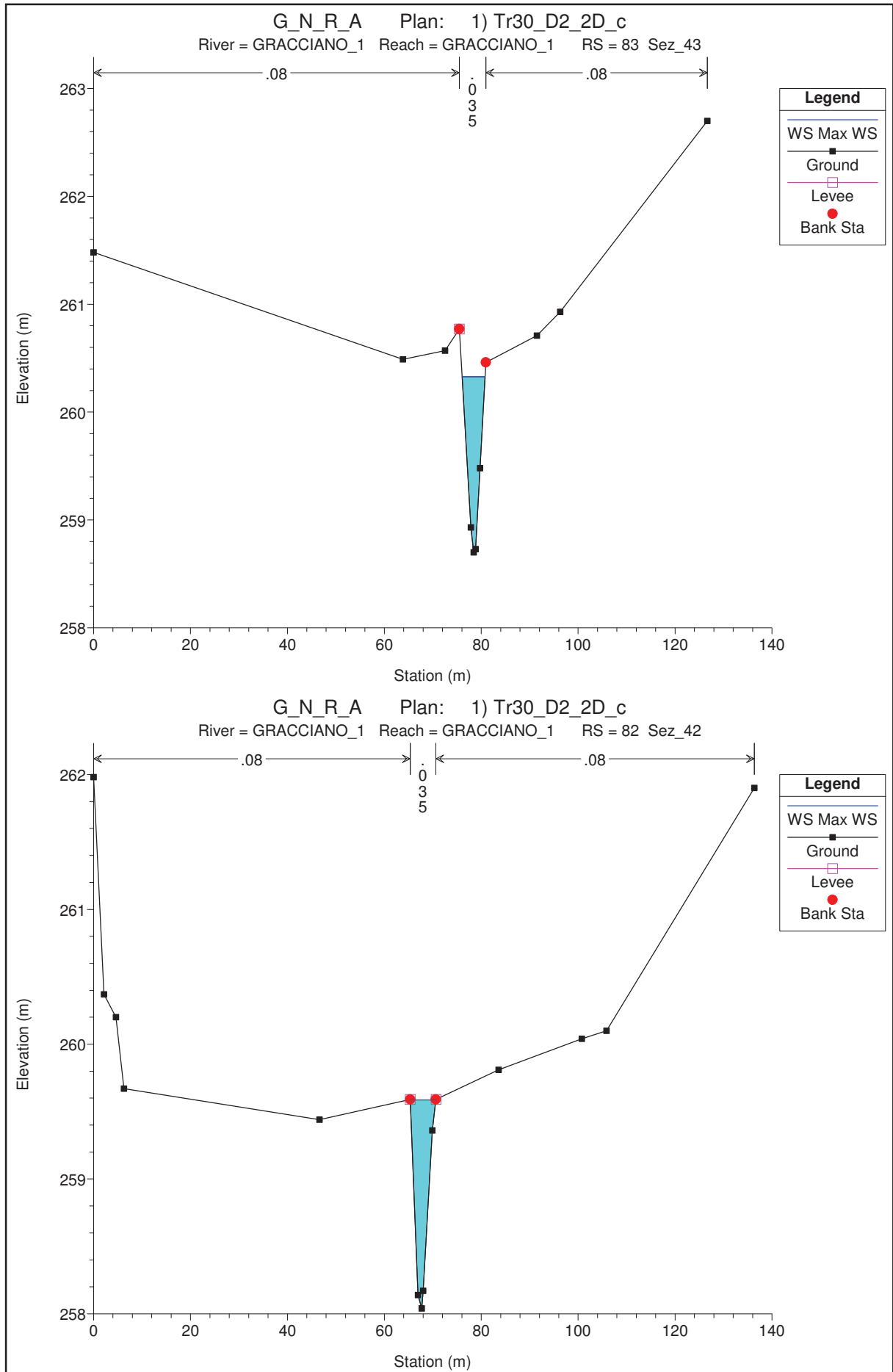
DURATE DI PIOGGIA: 2h

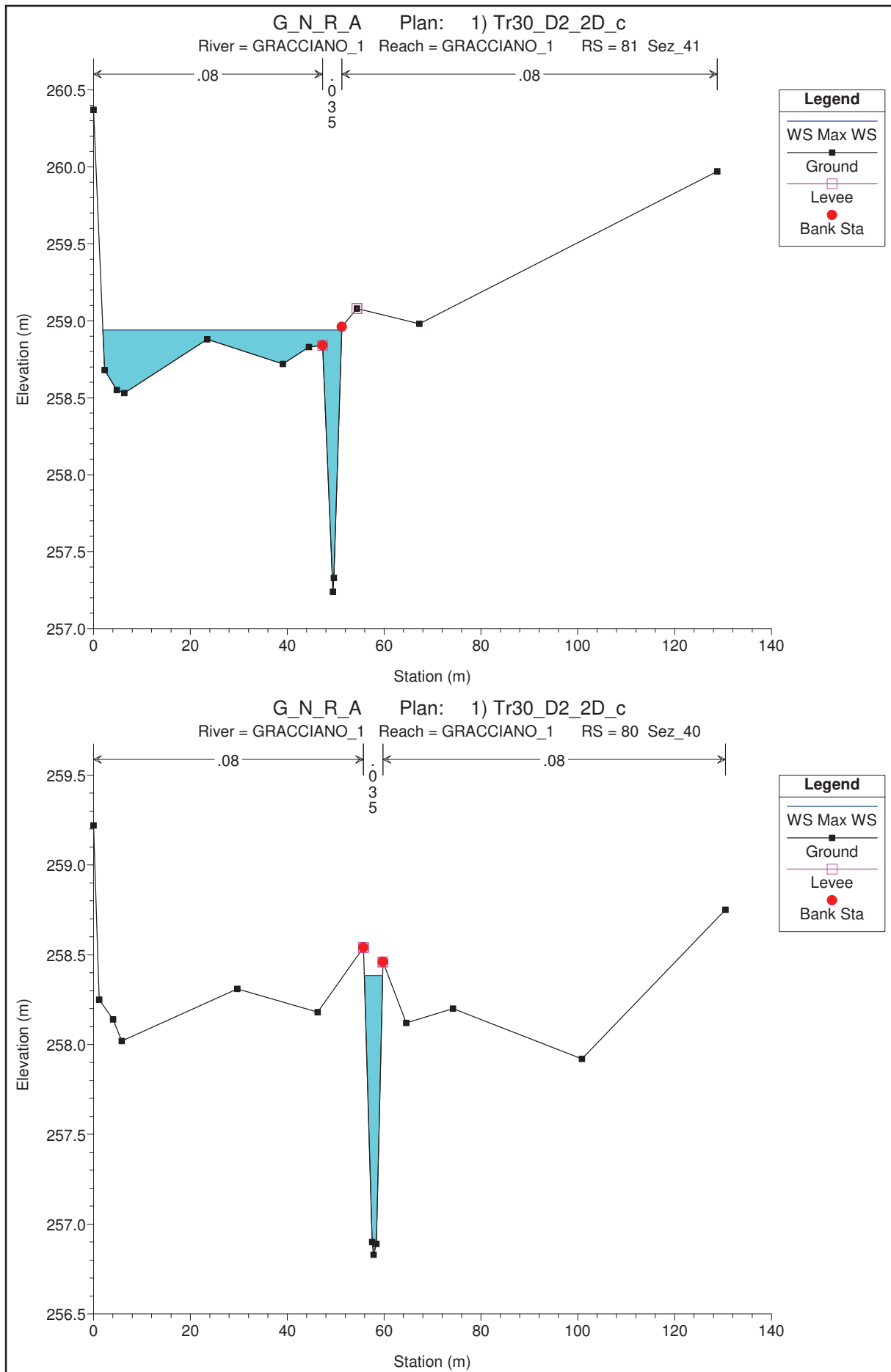
Sezioni Trasversali (da monte verso valle)

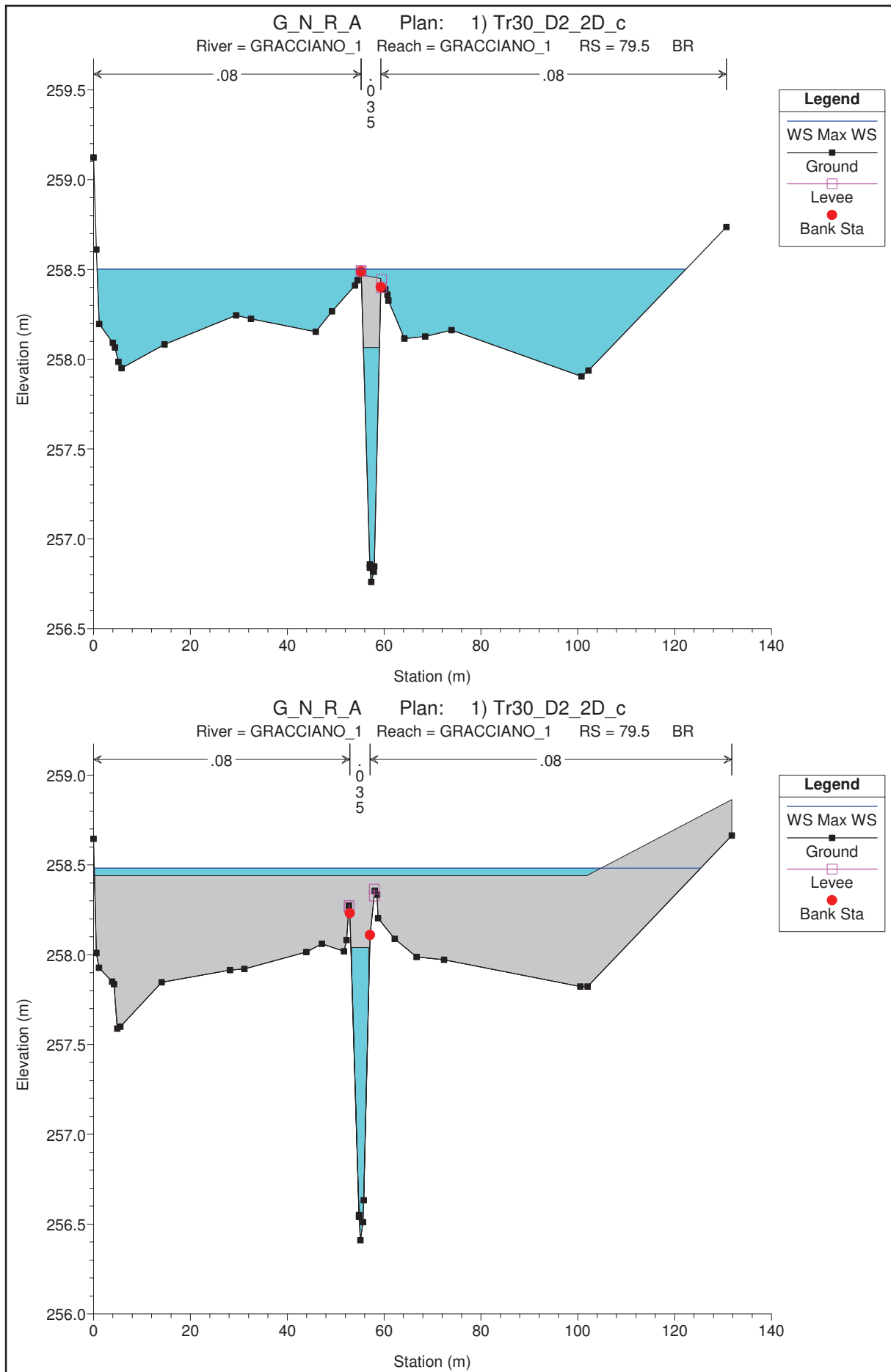


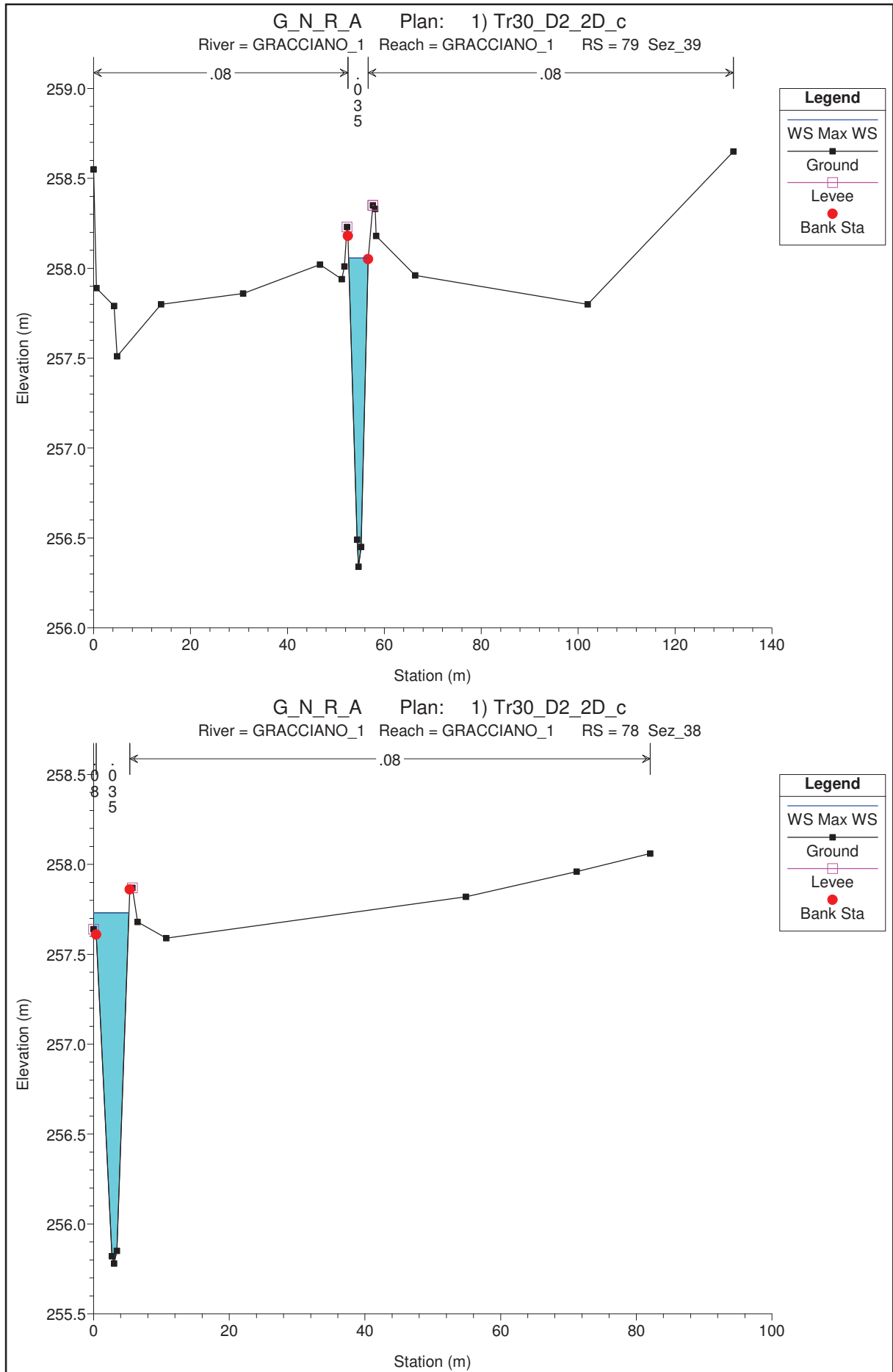


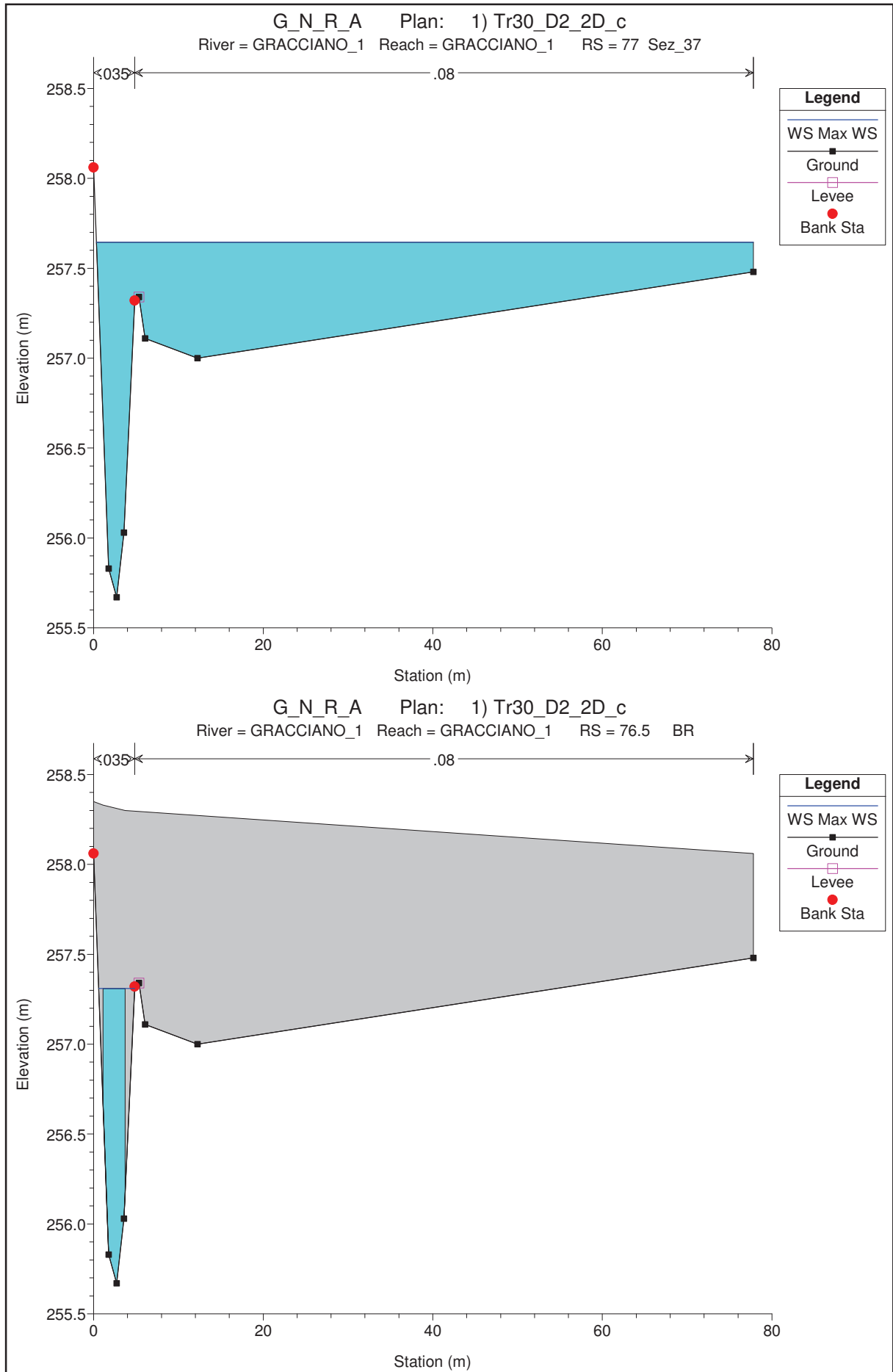


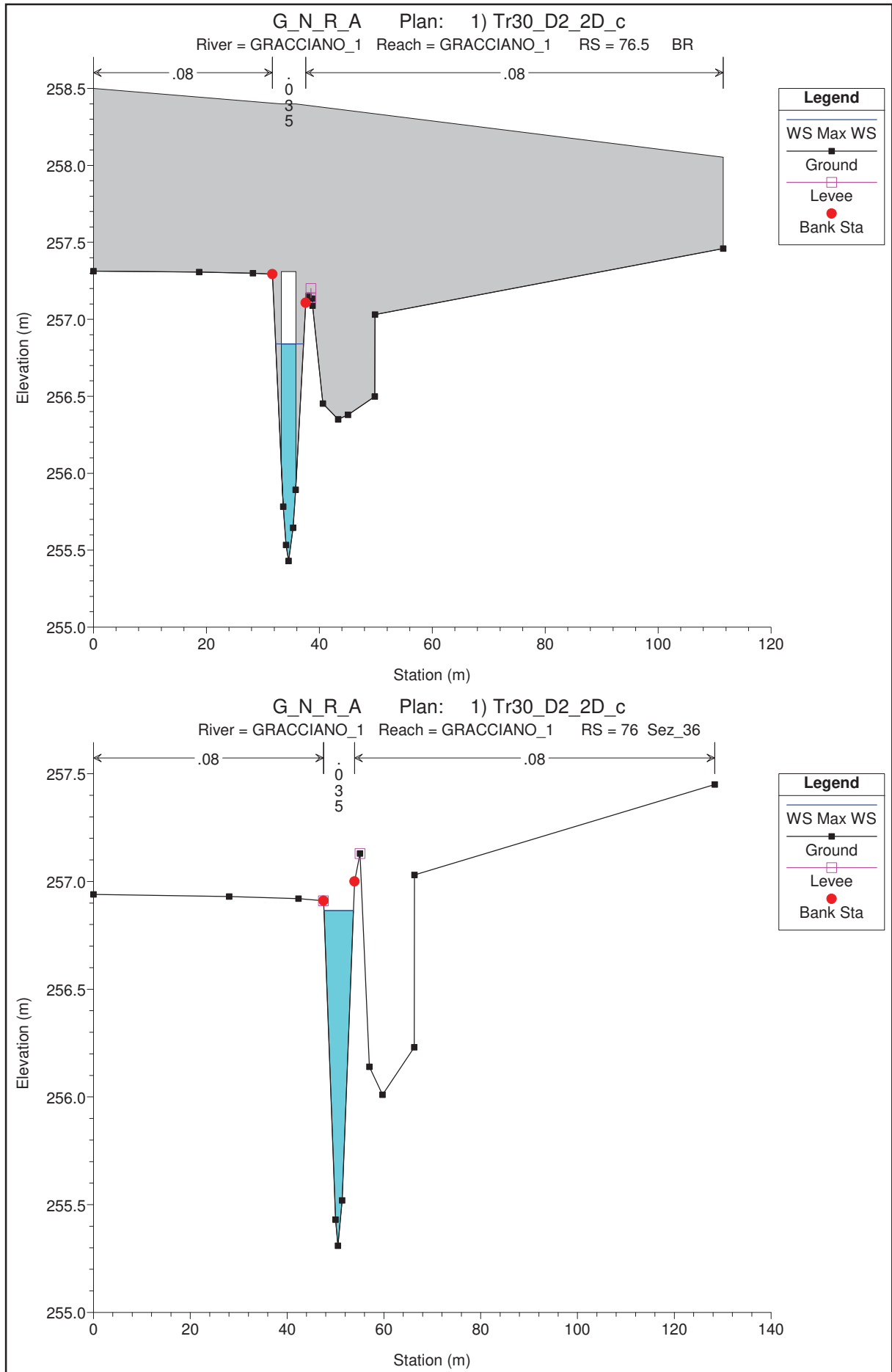


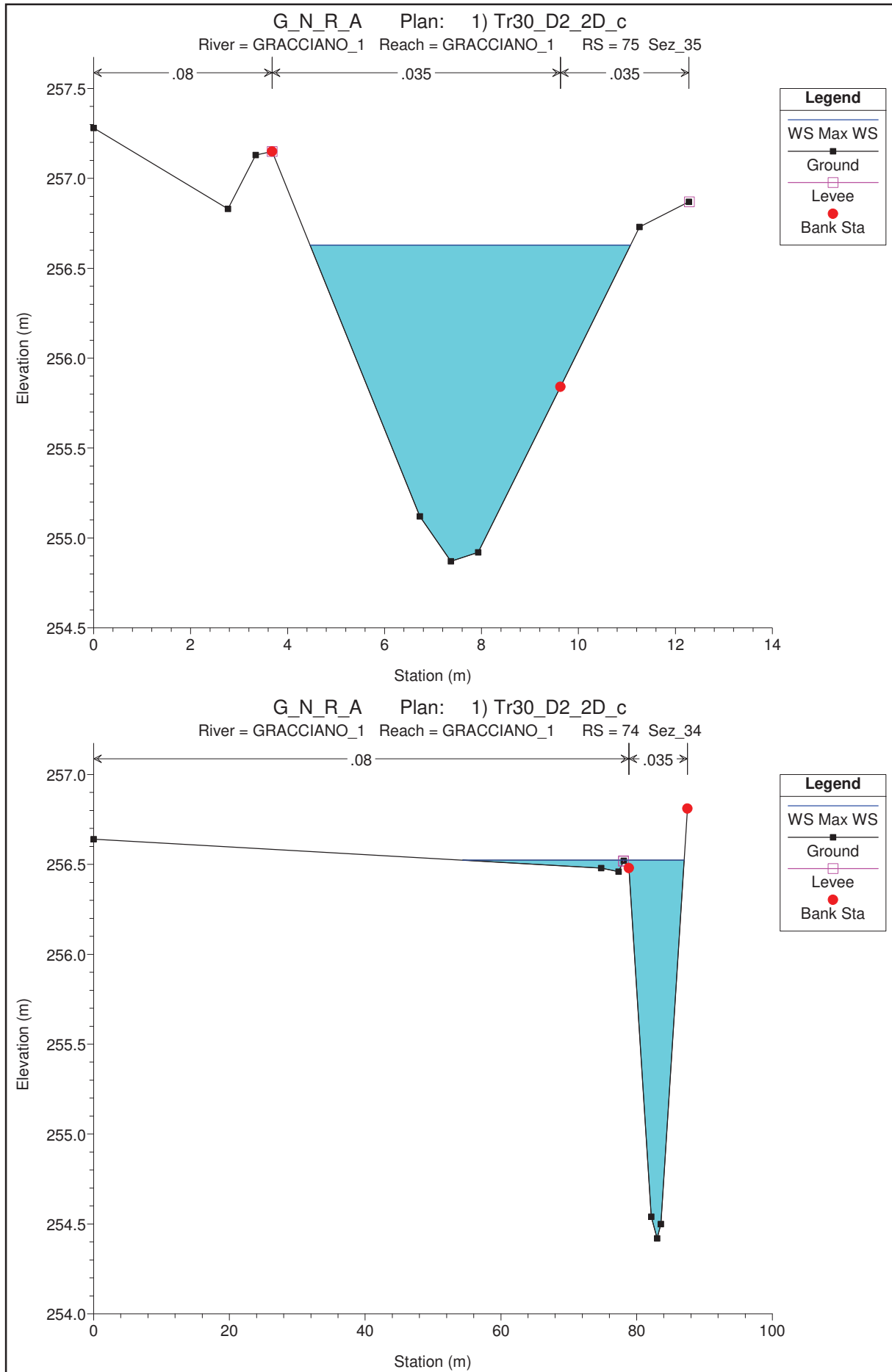


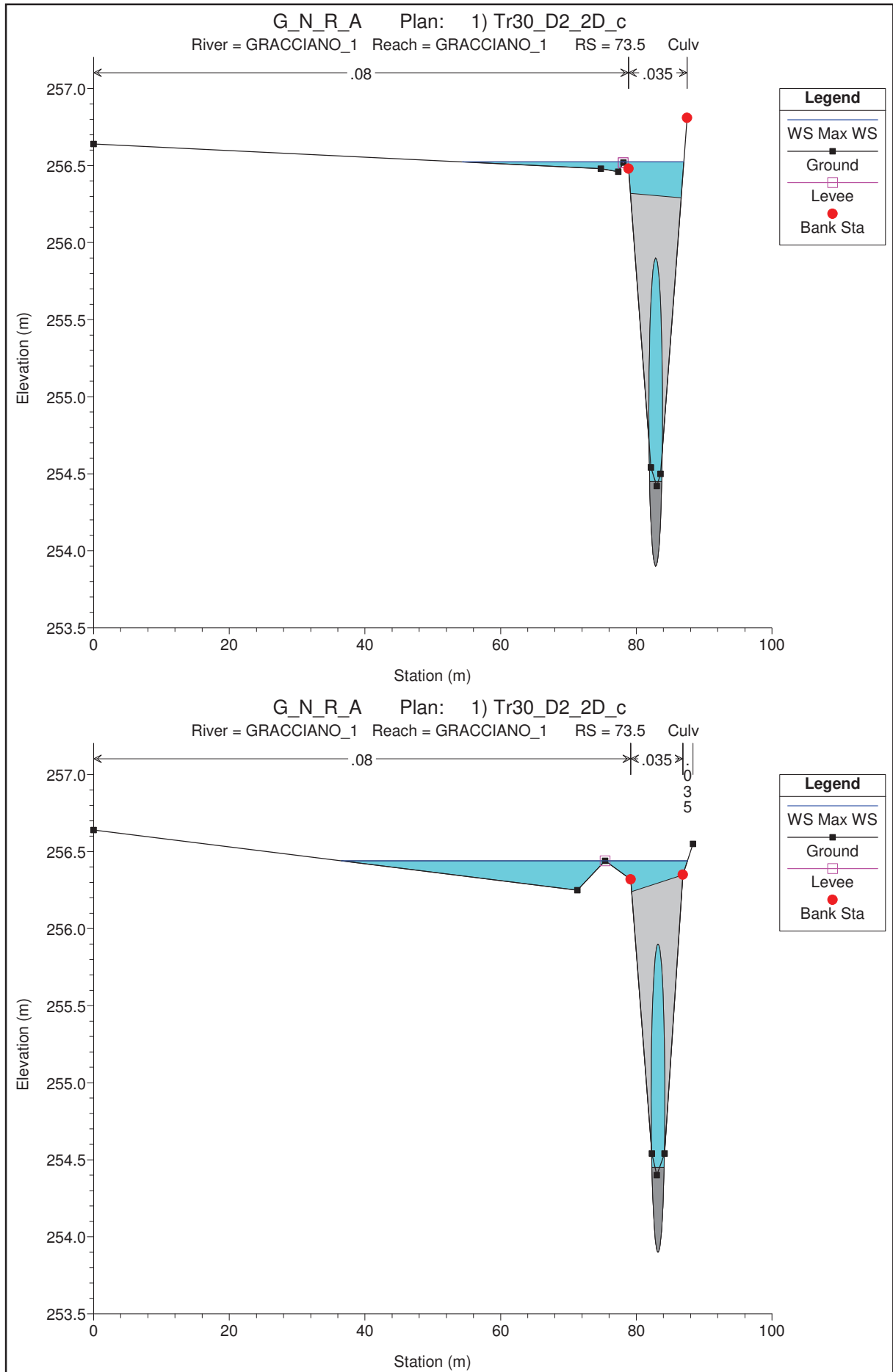


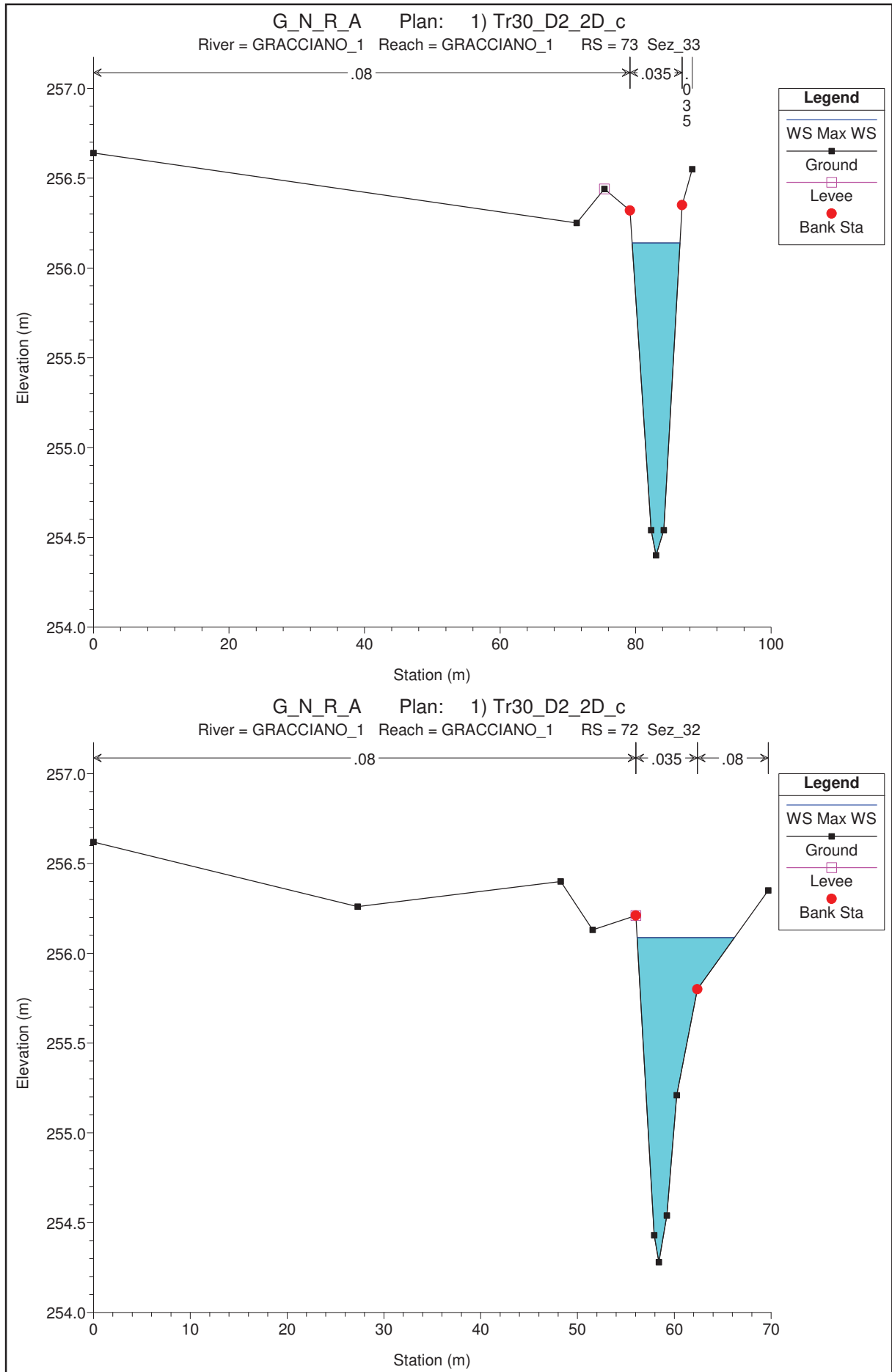


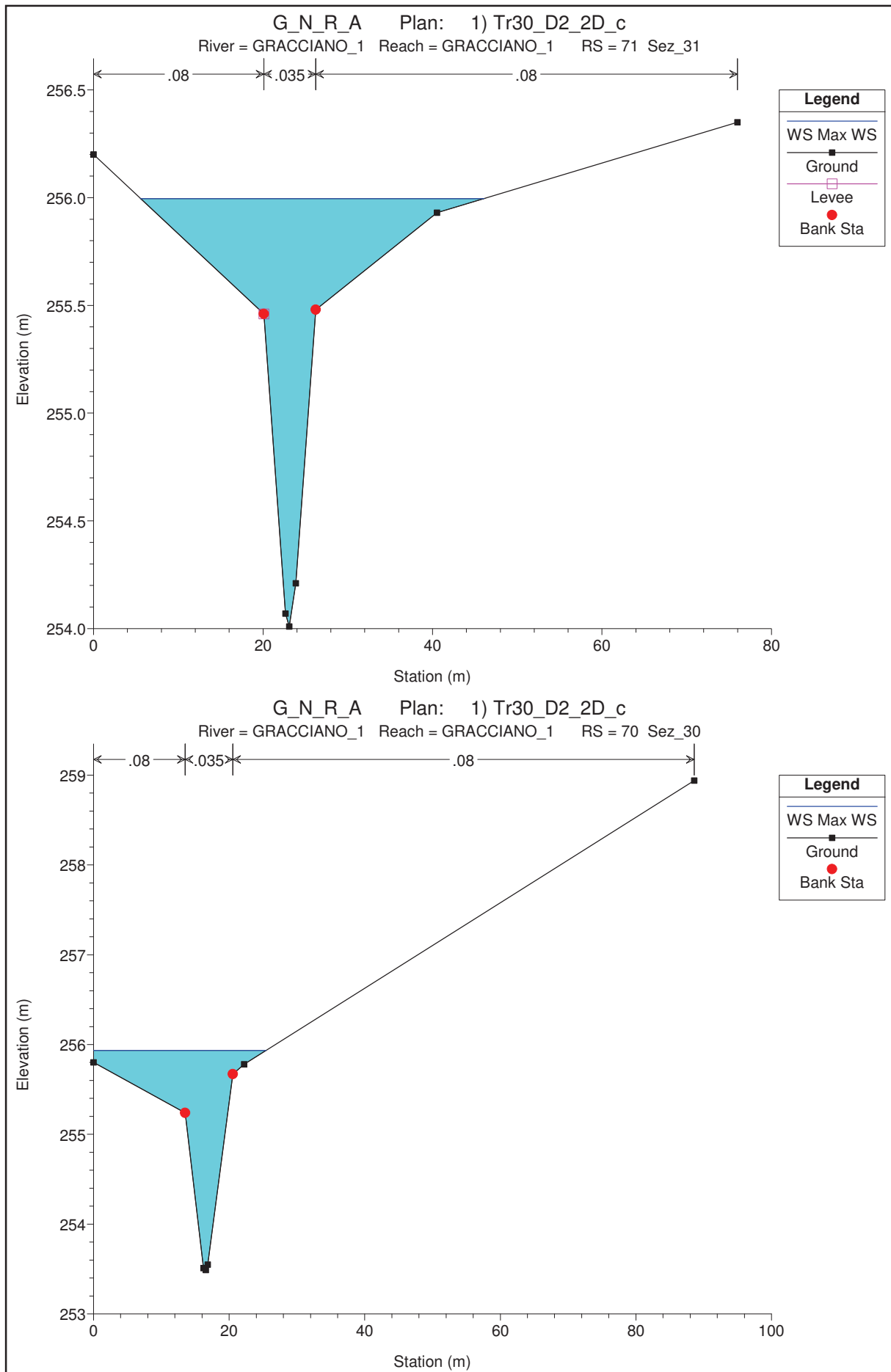


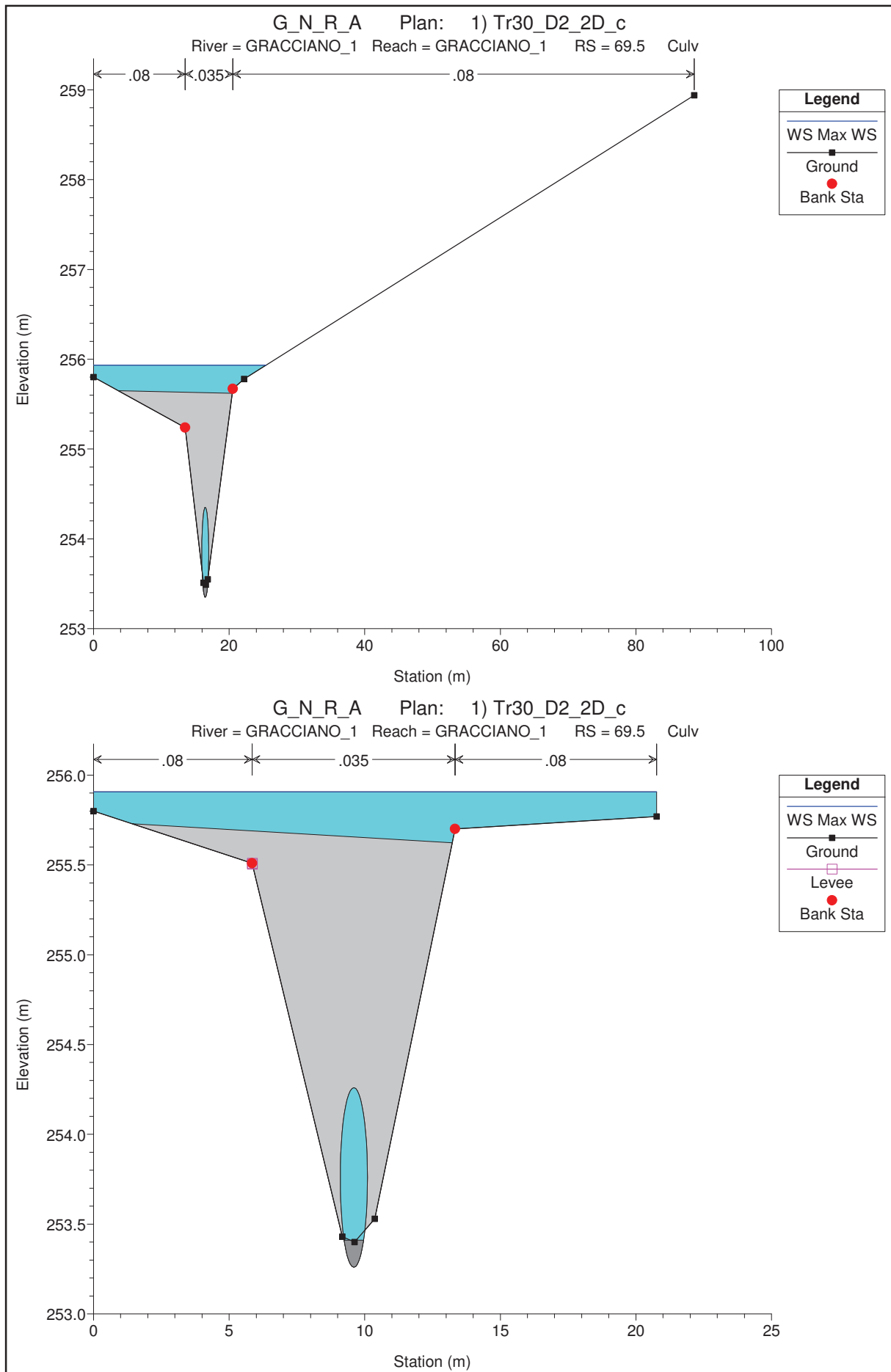


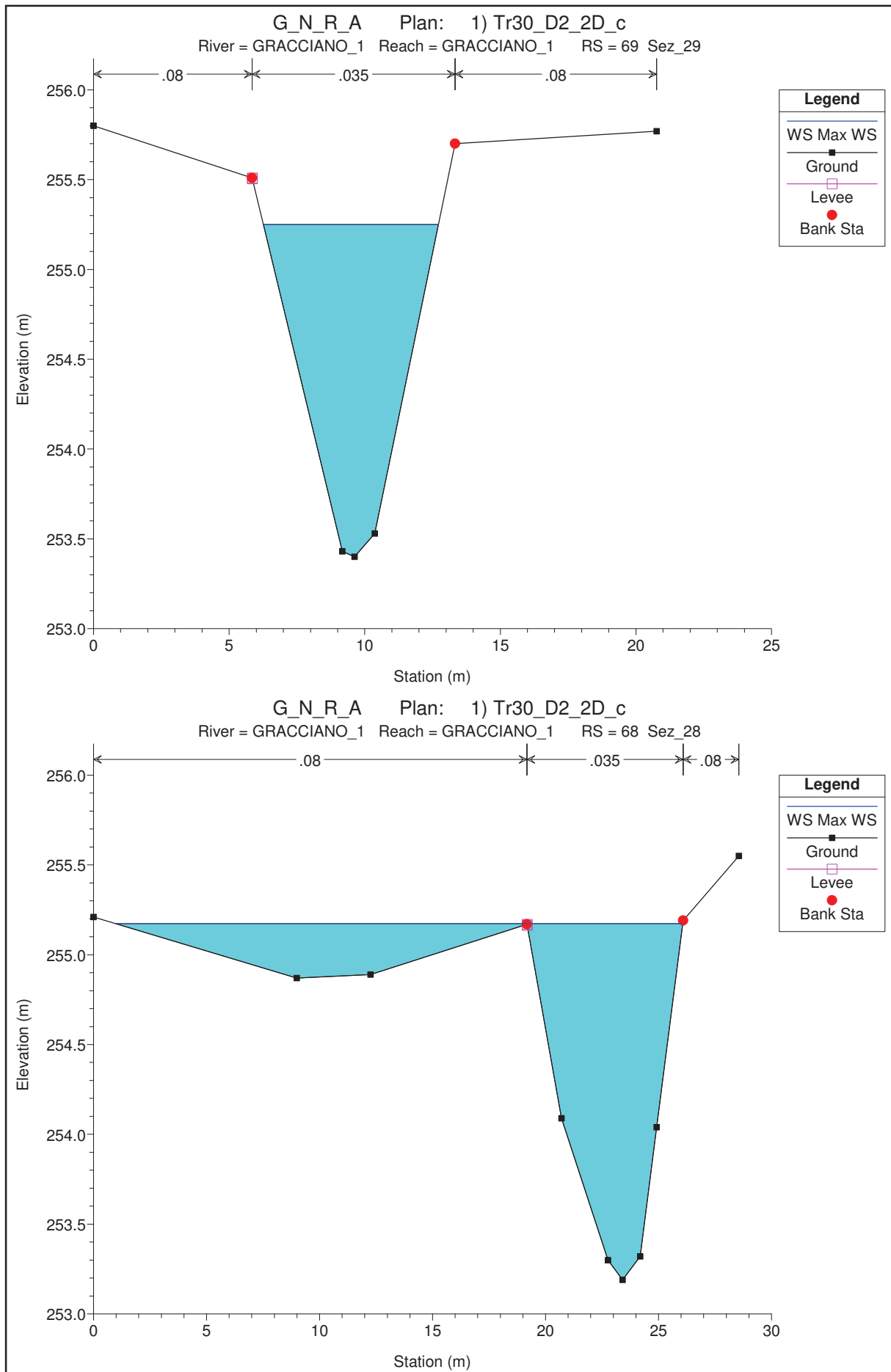


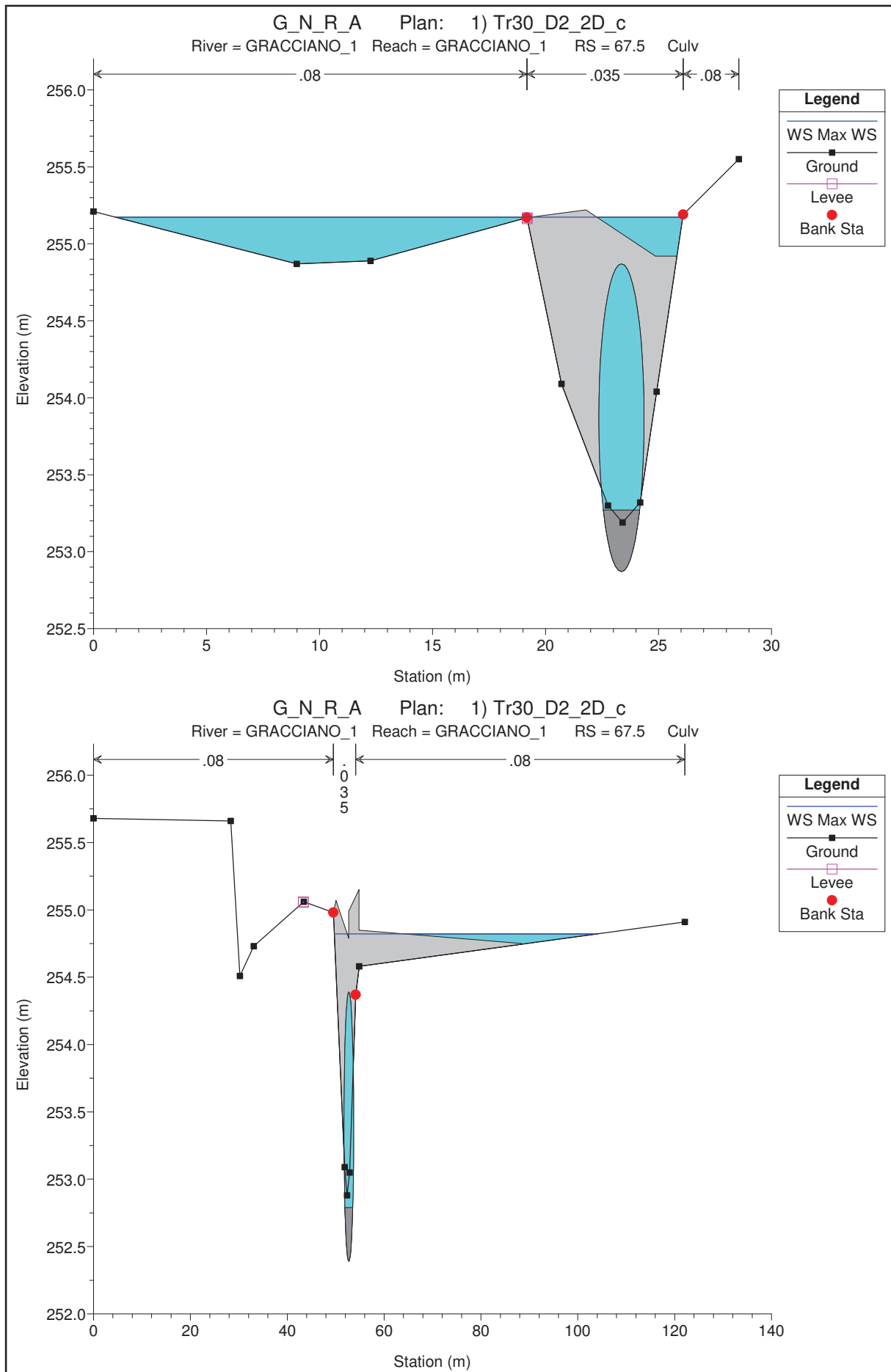


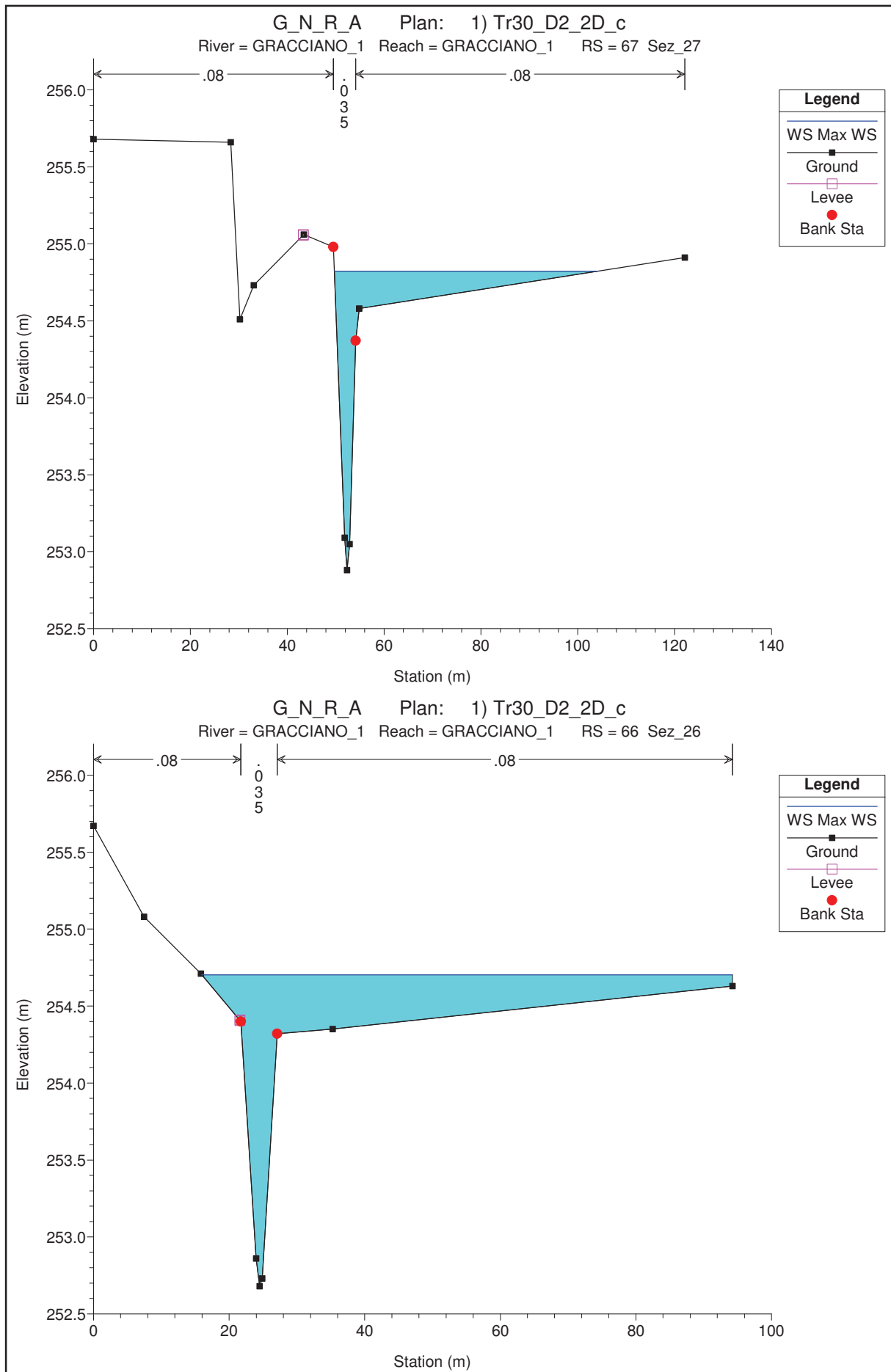


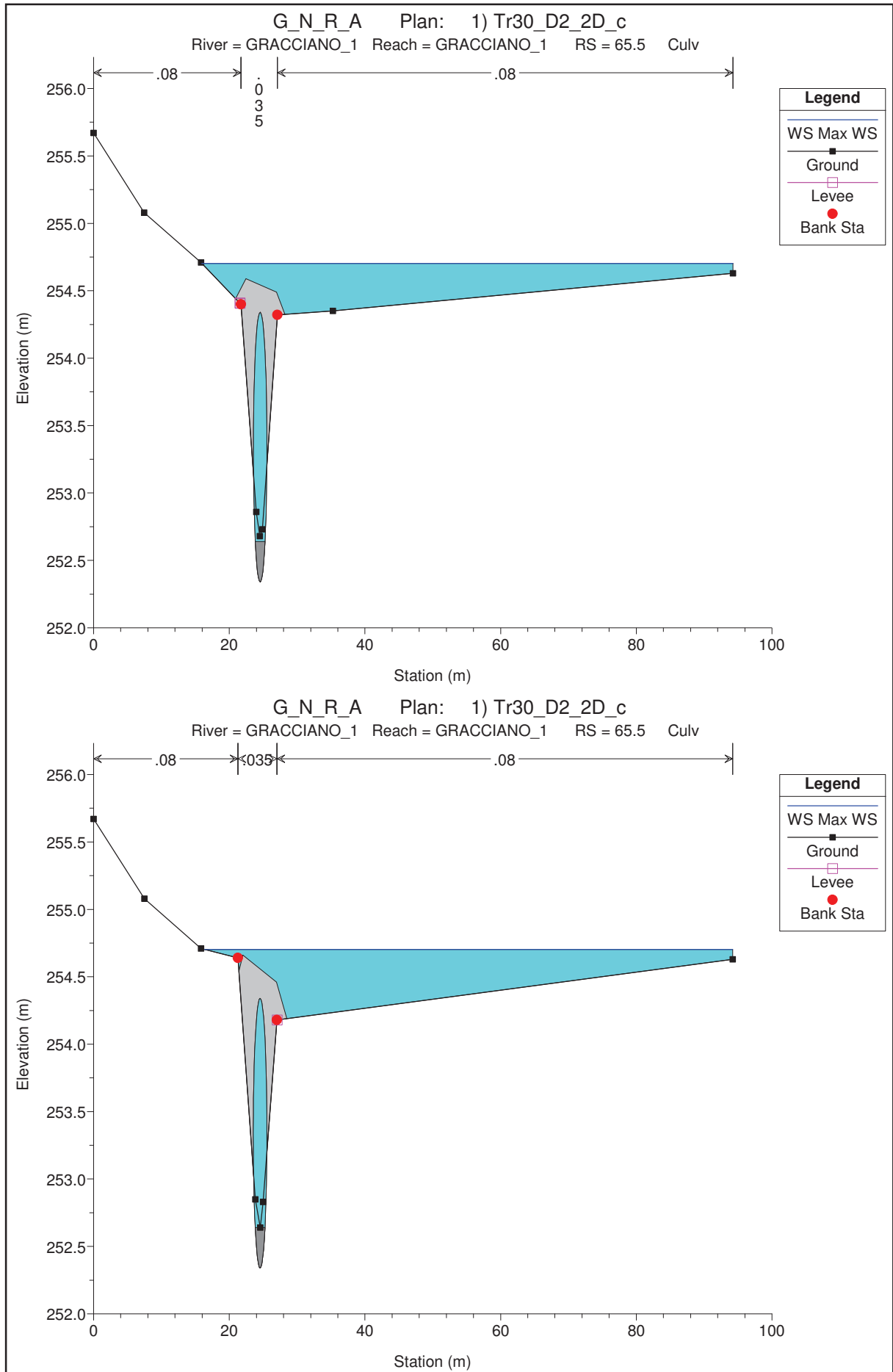


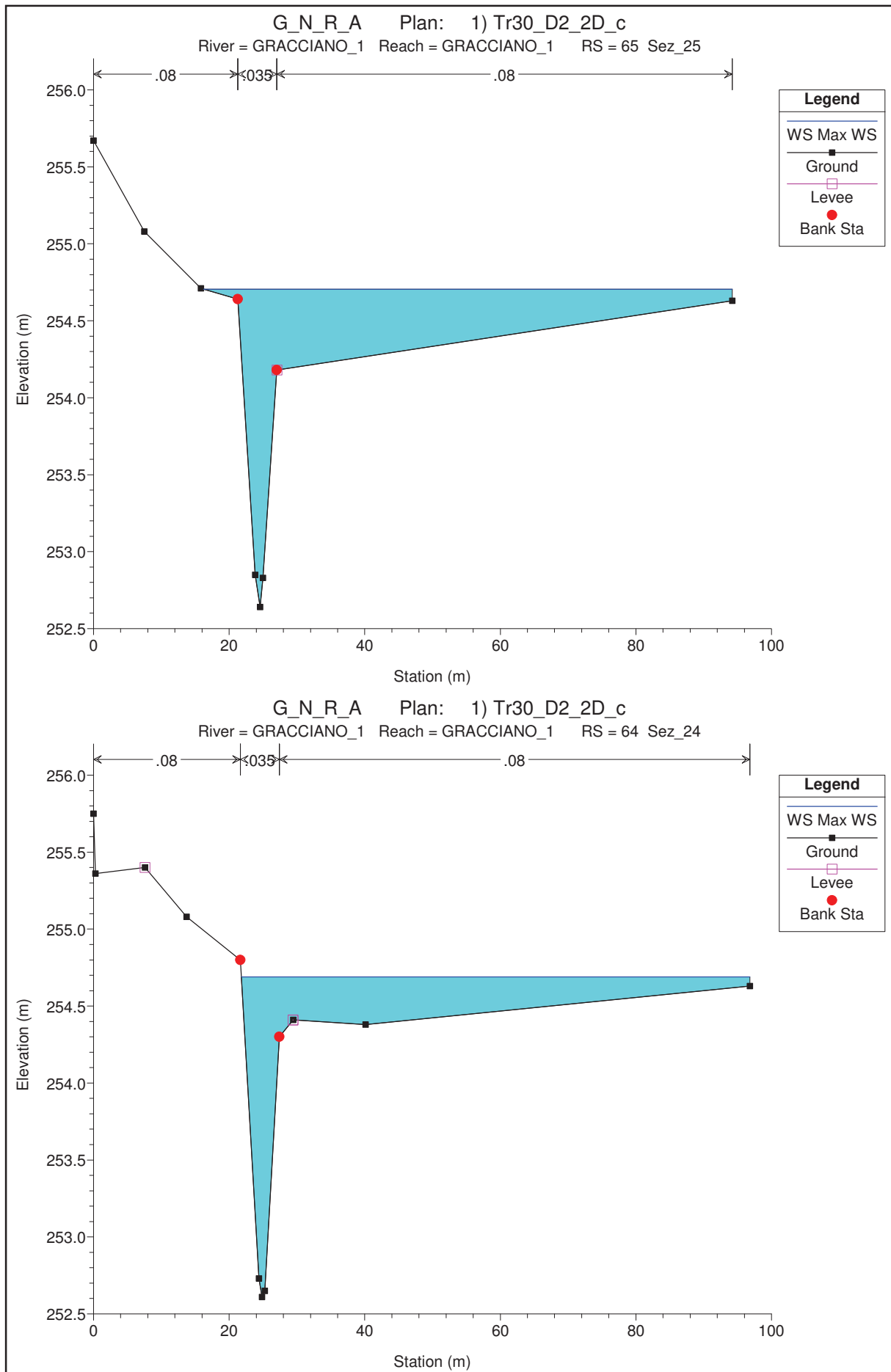


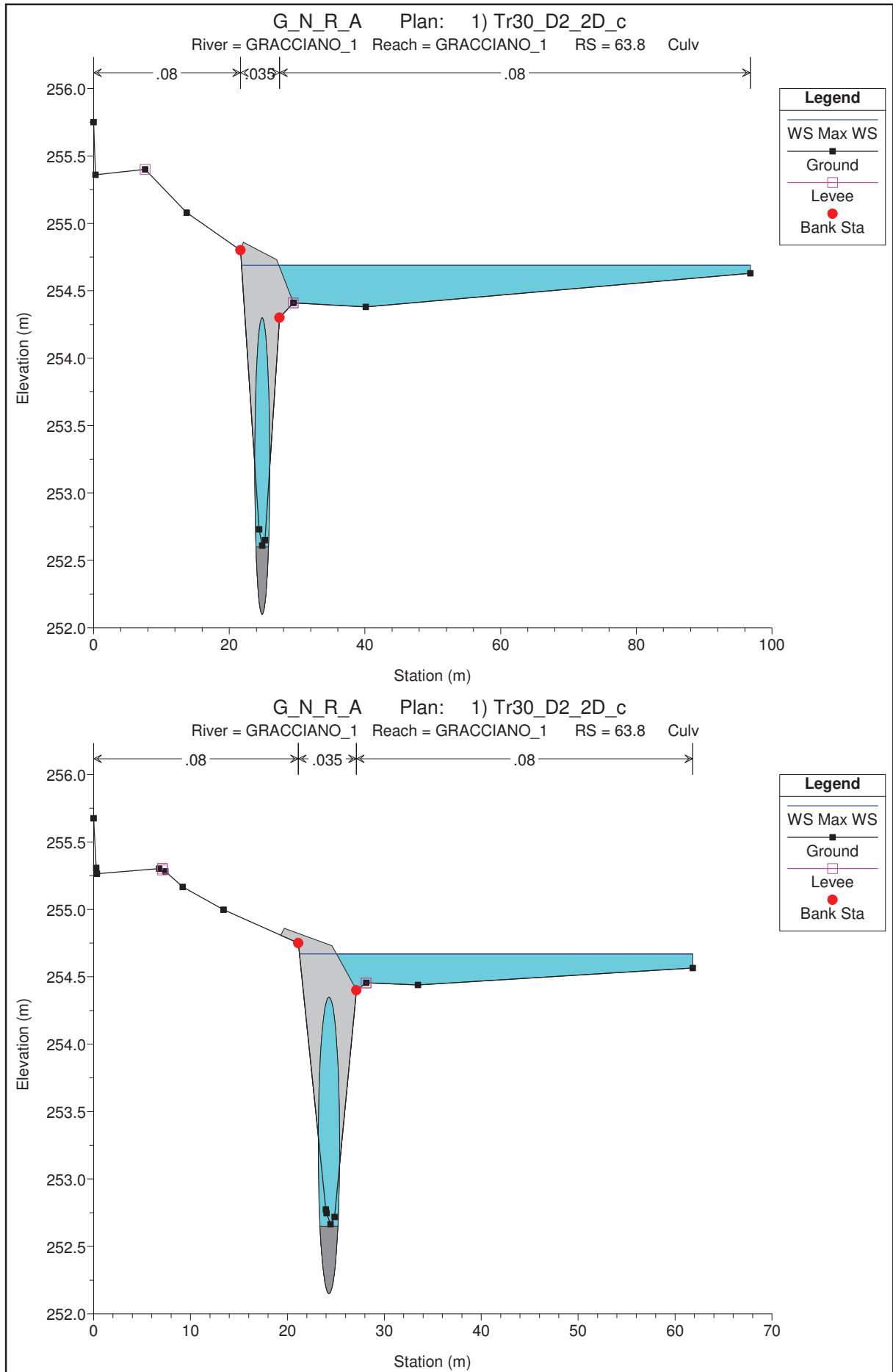


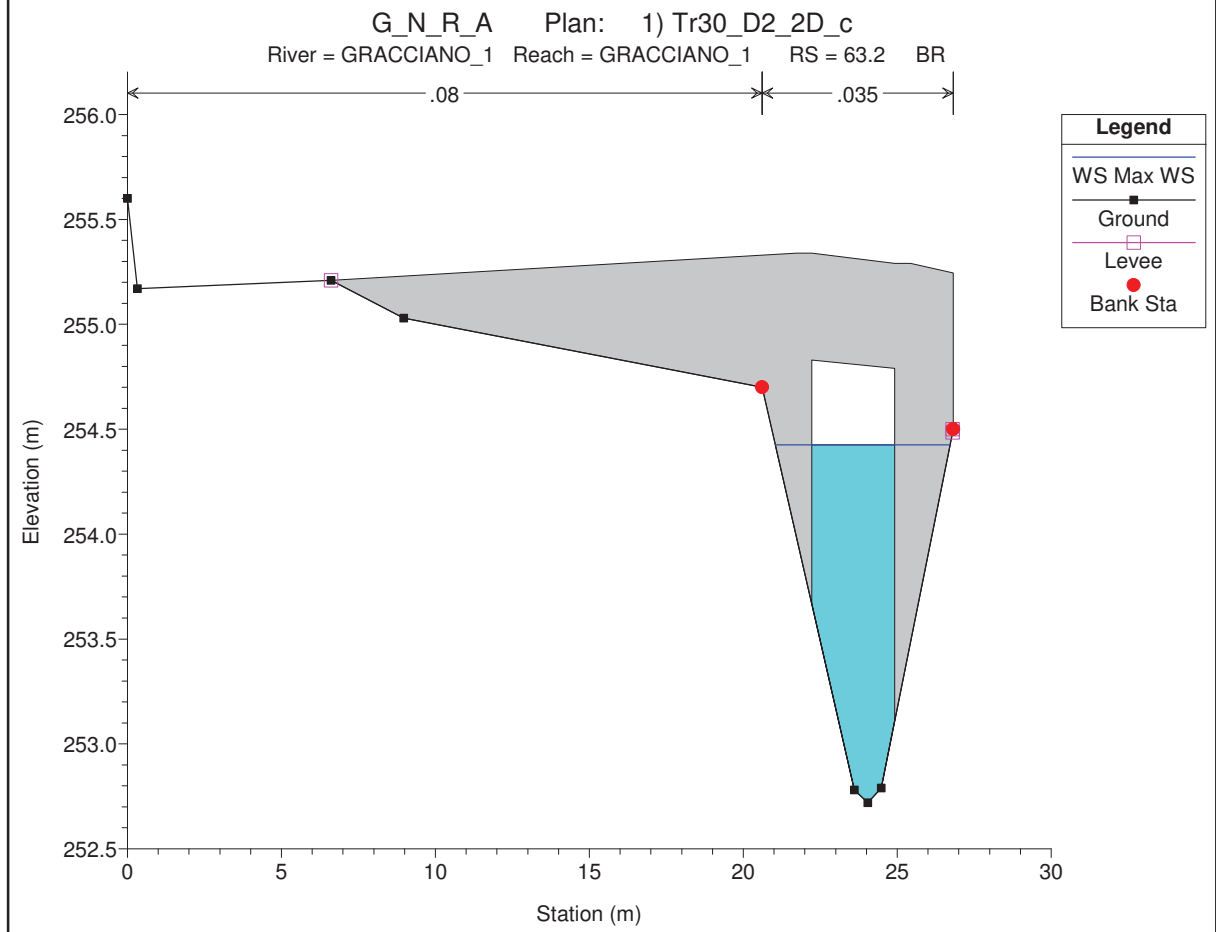
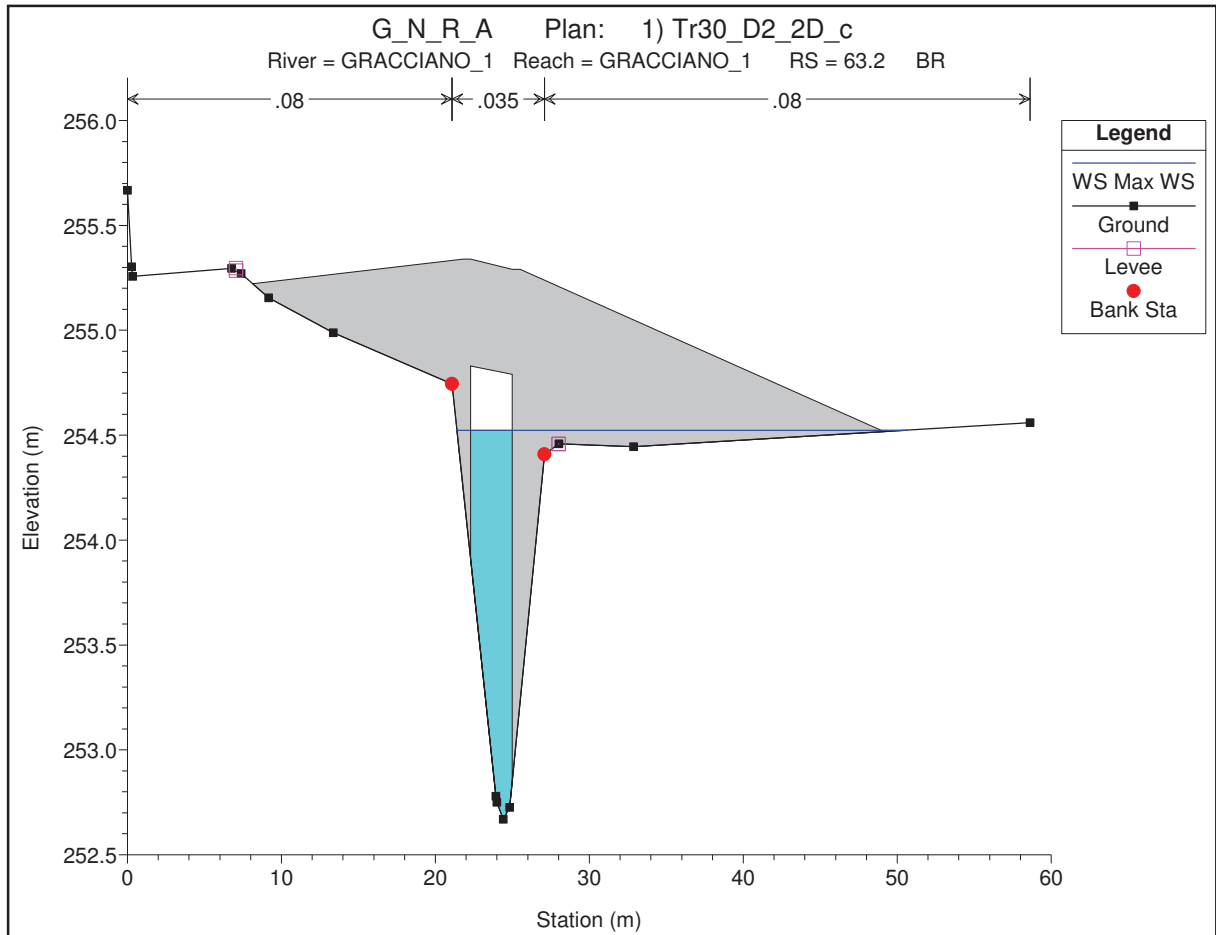


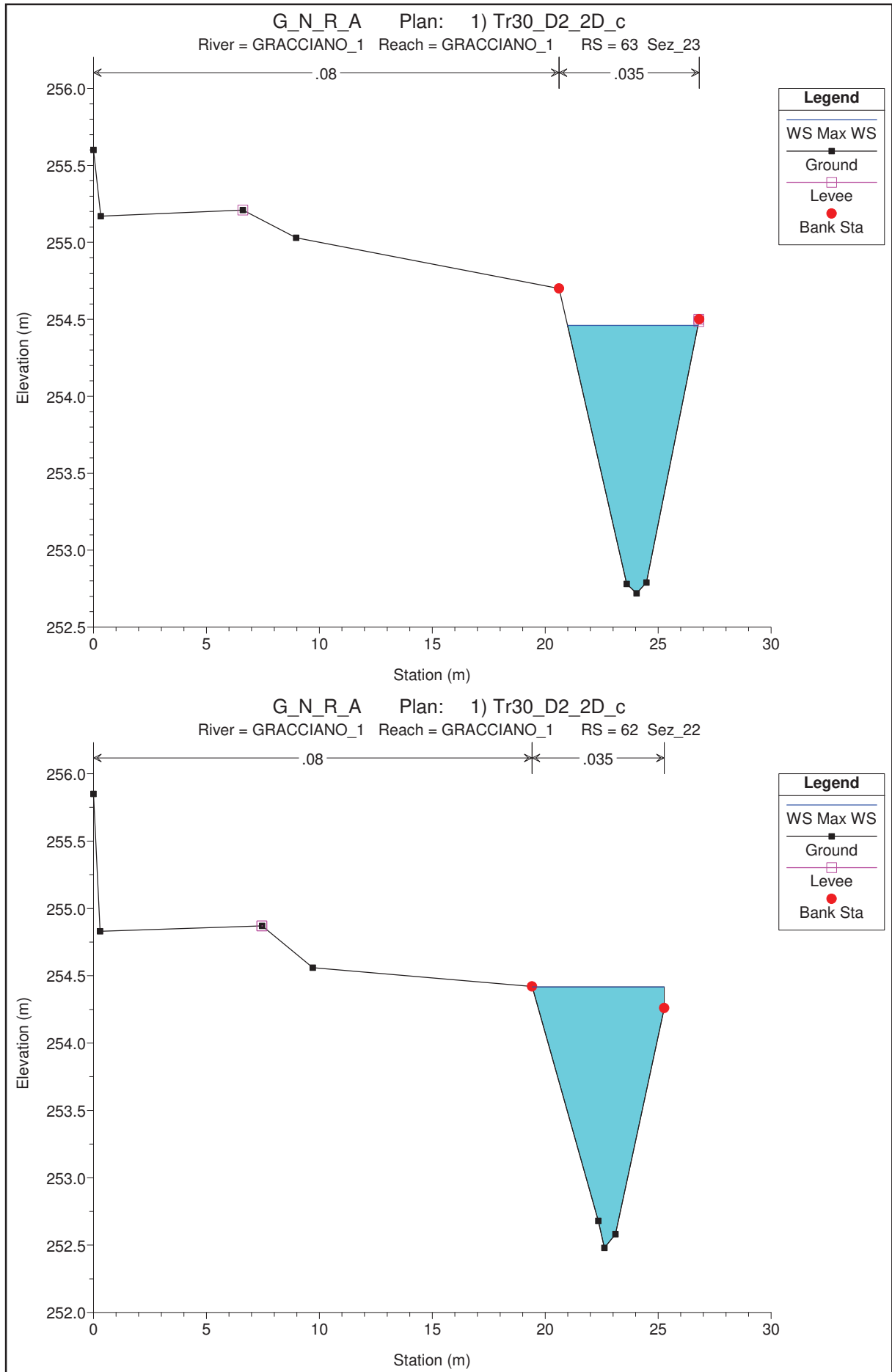


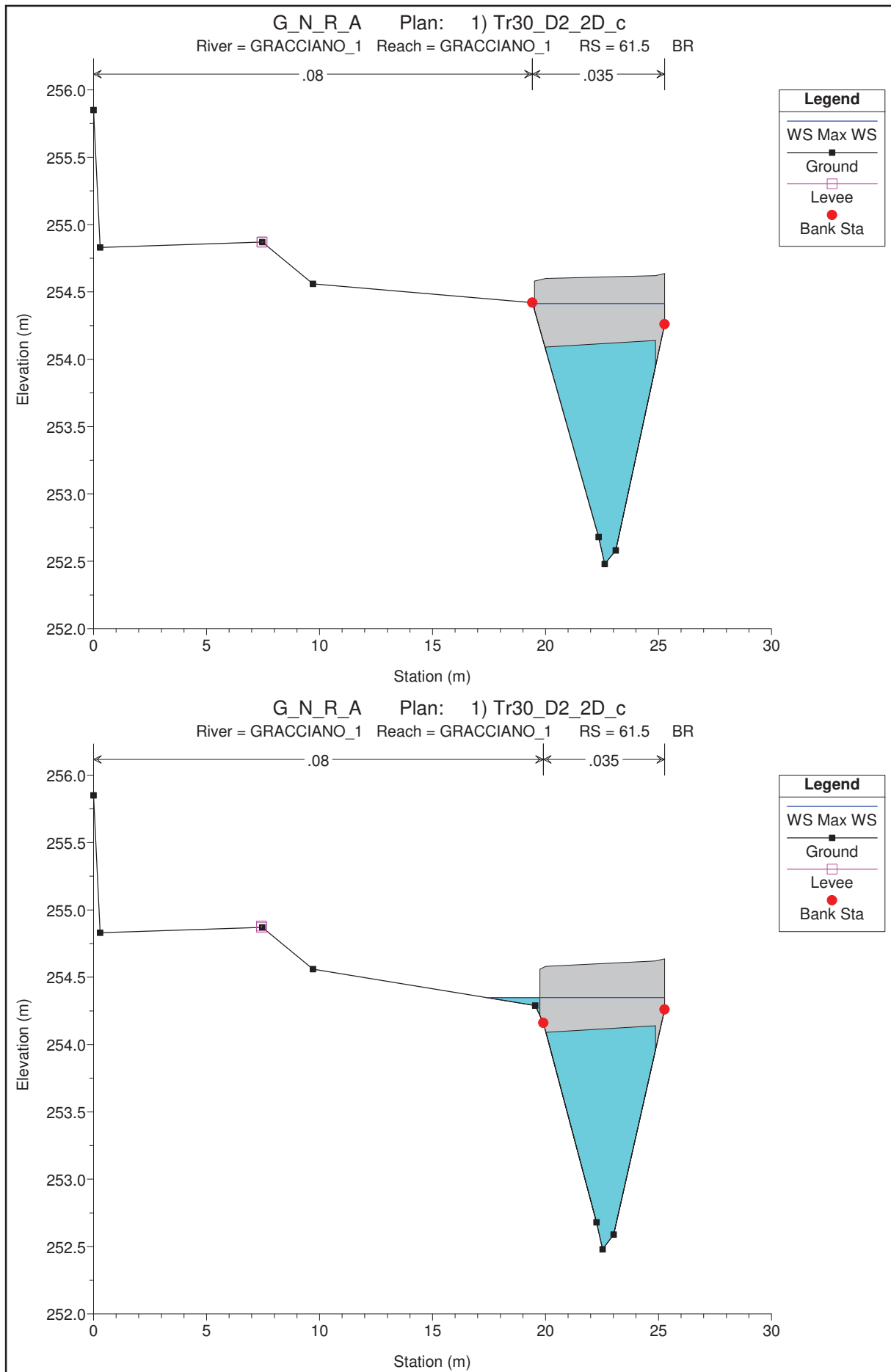


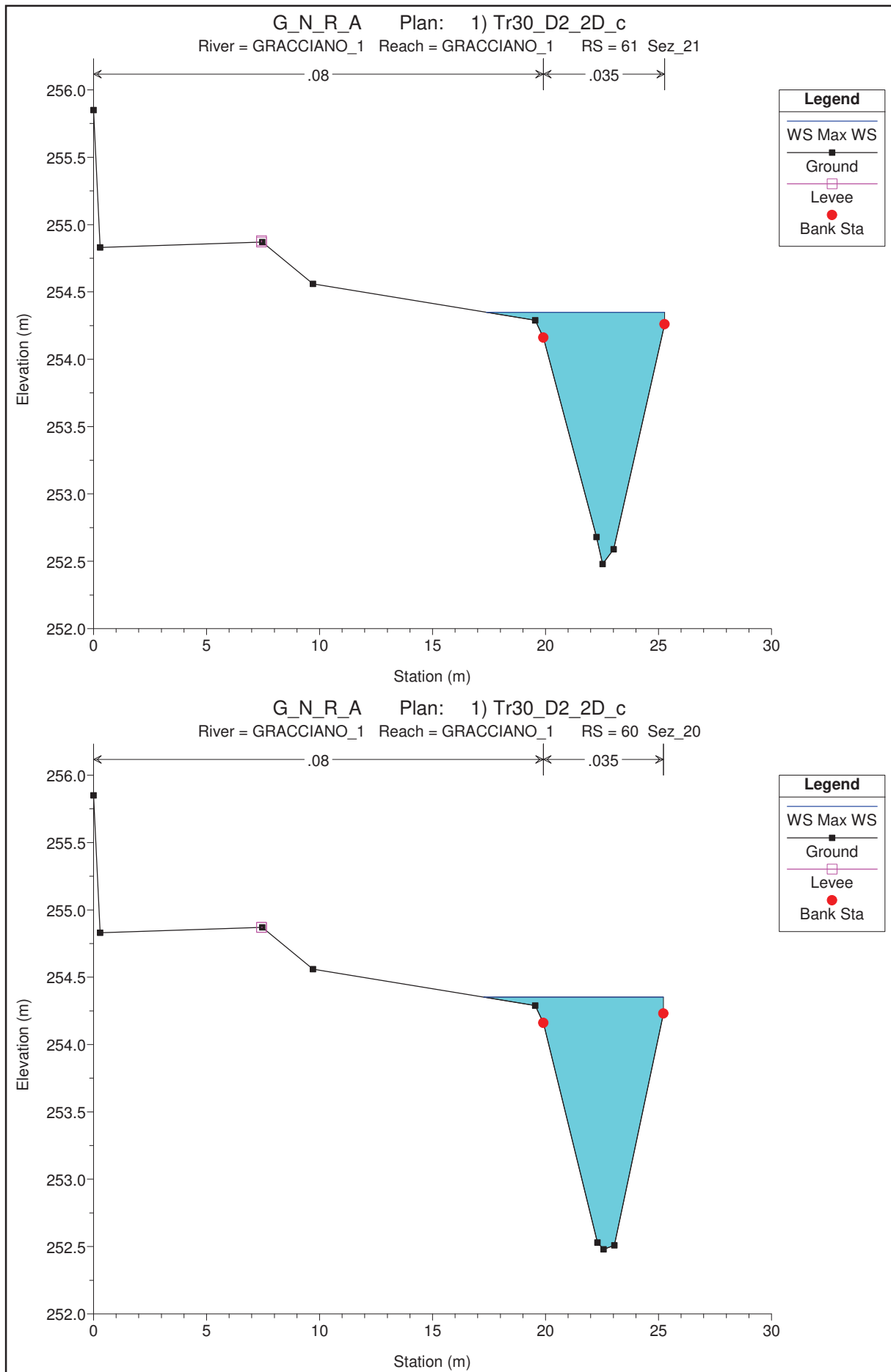


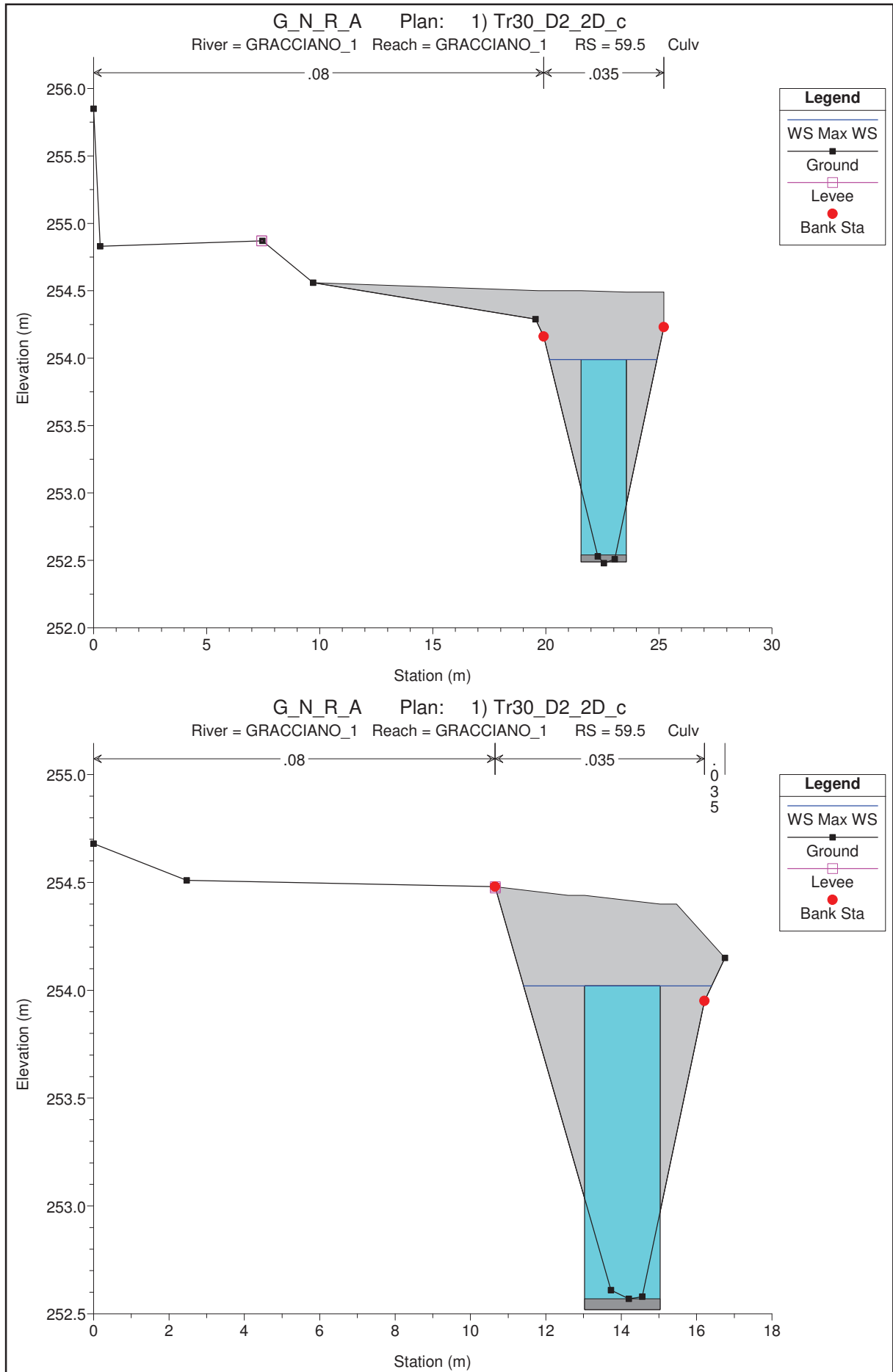


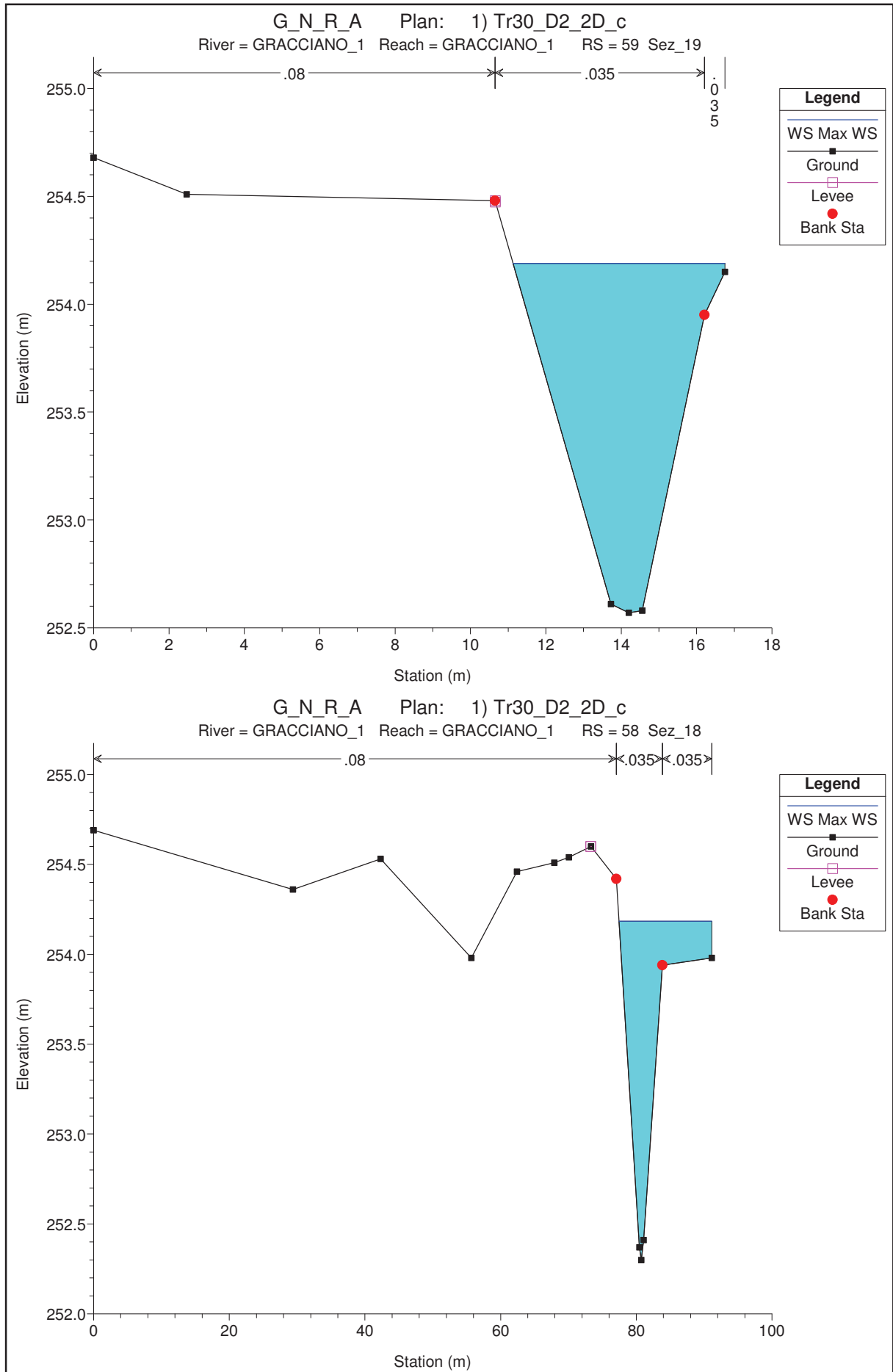


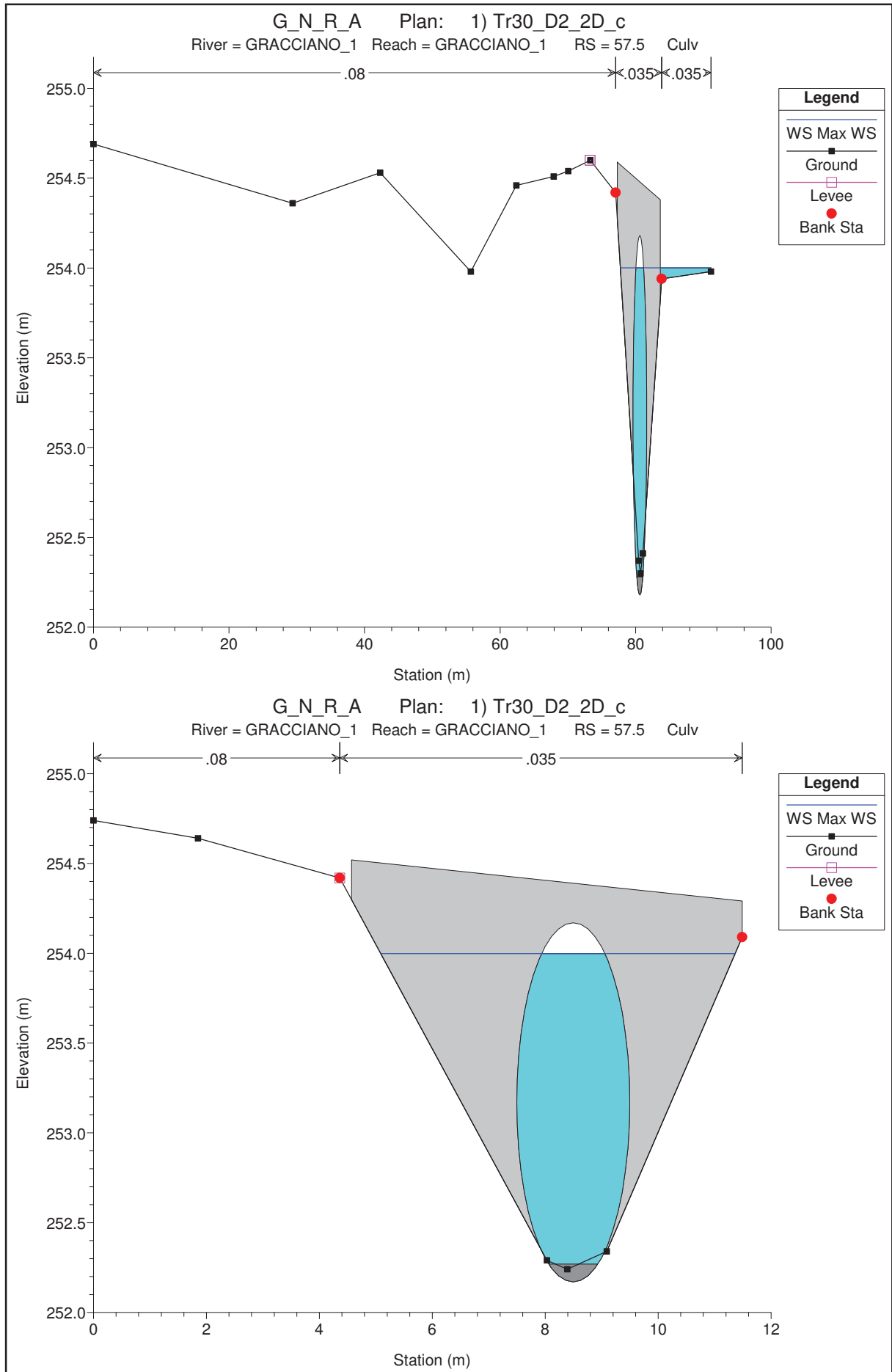


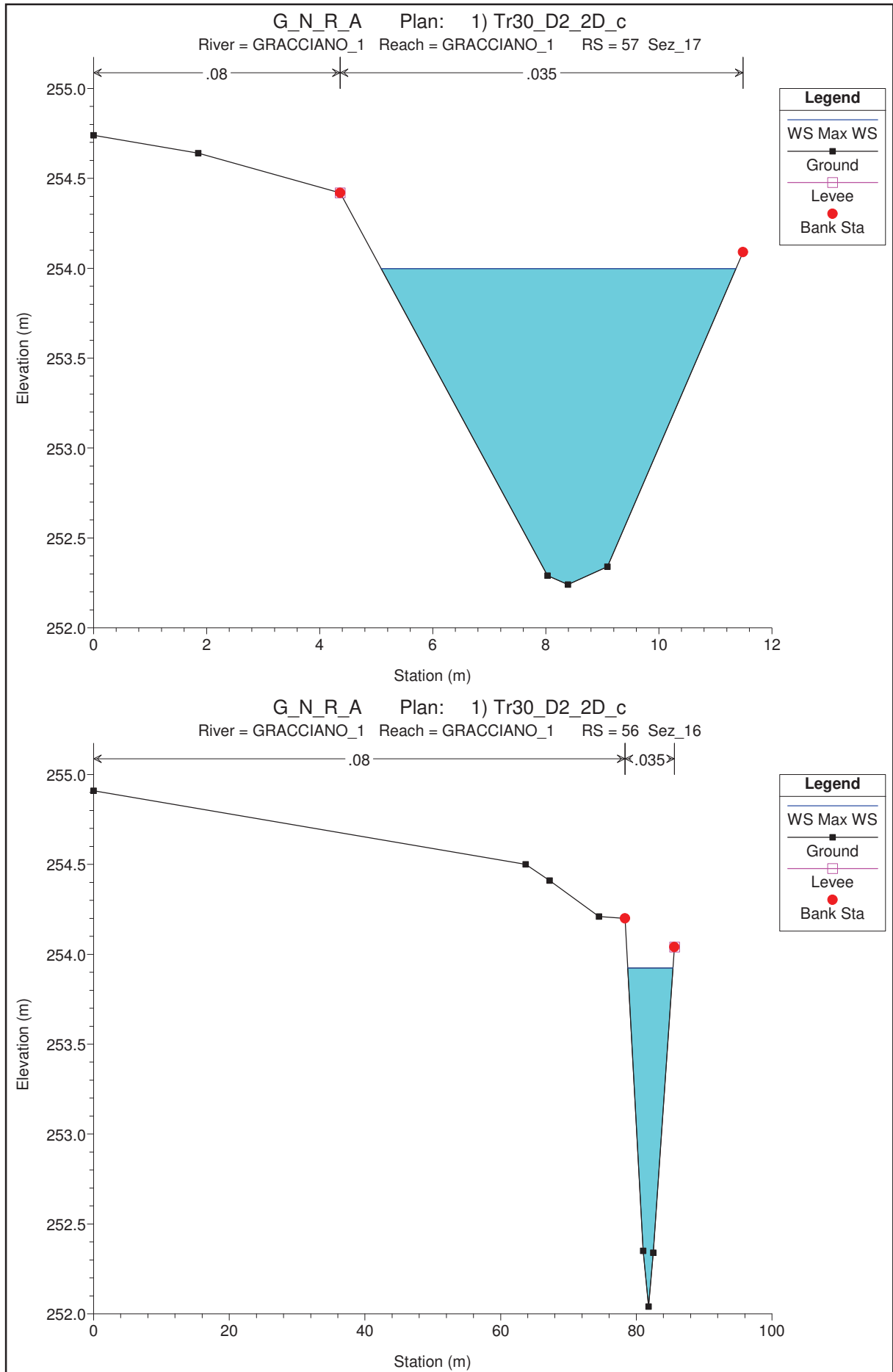


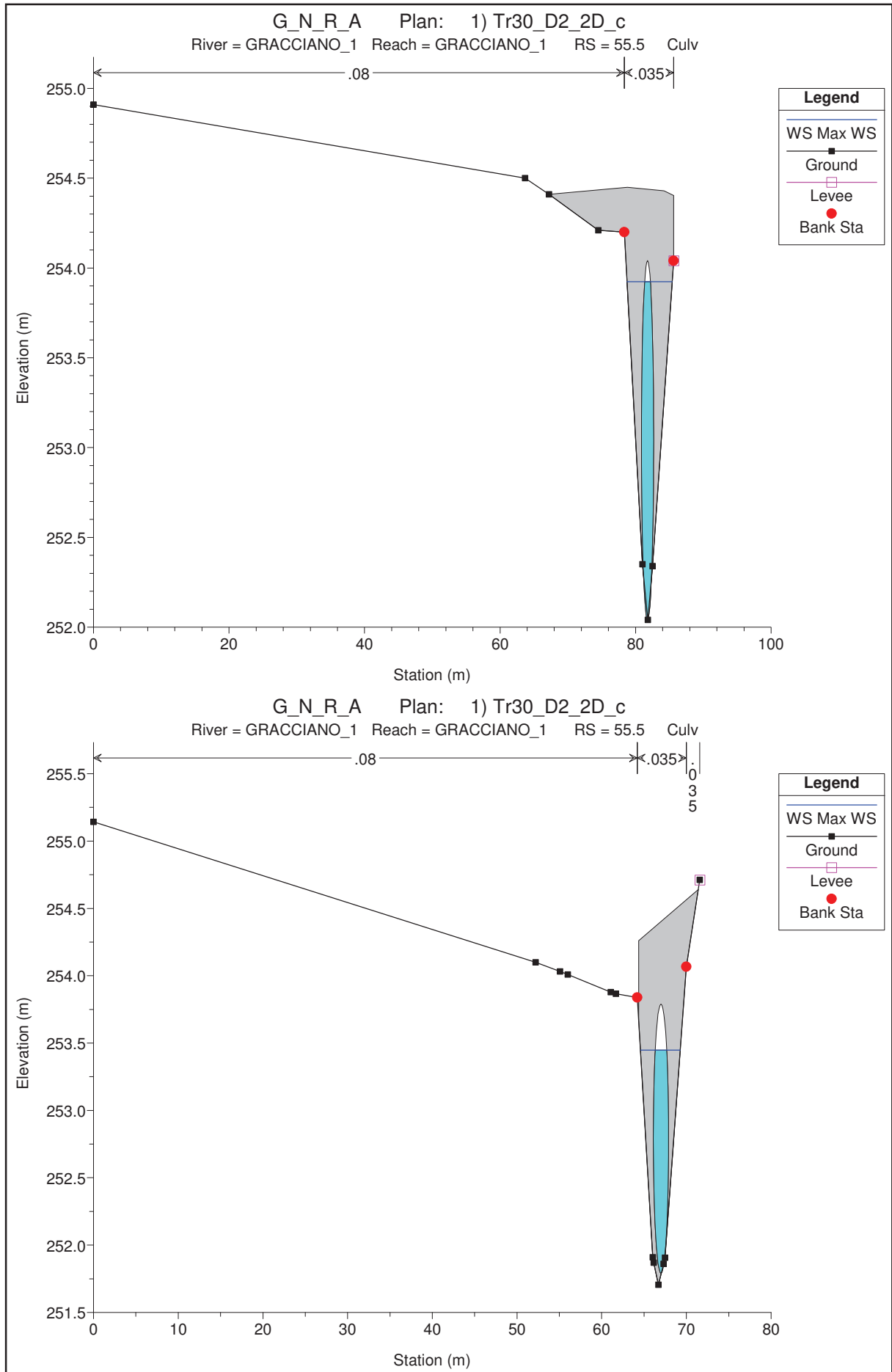


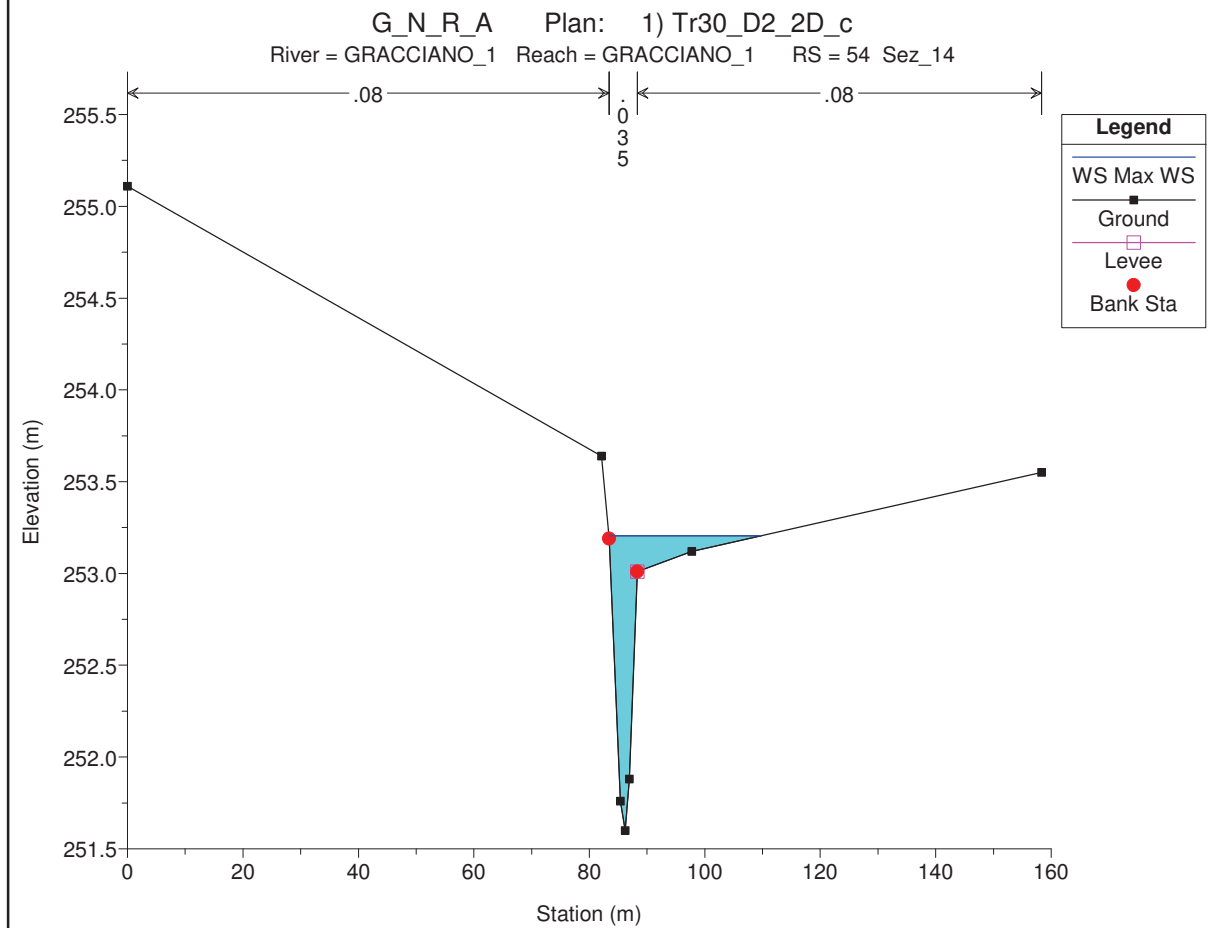
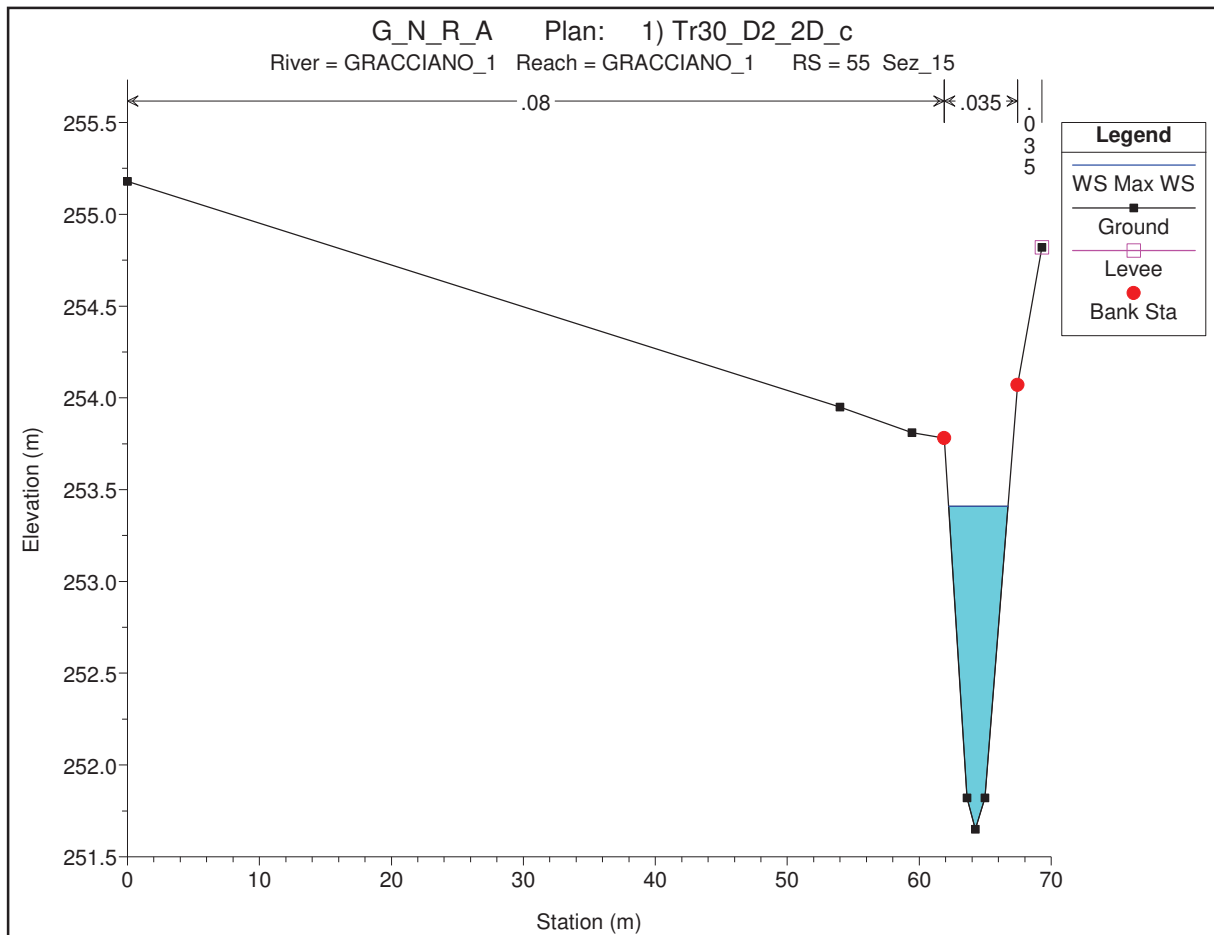


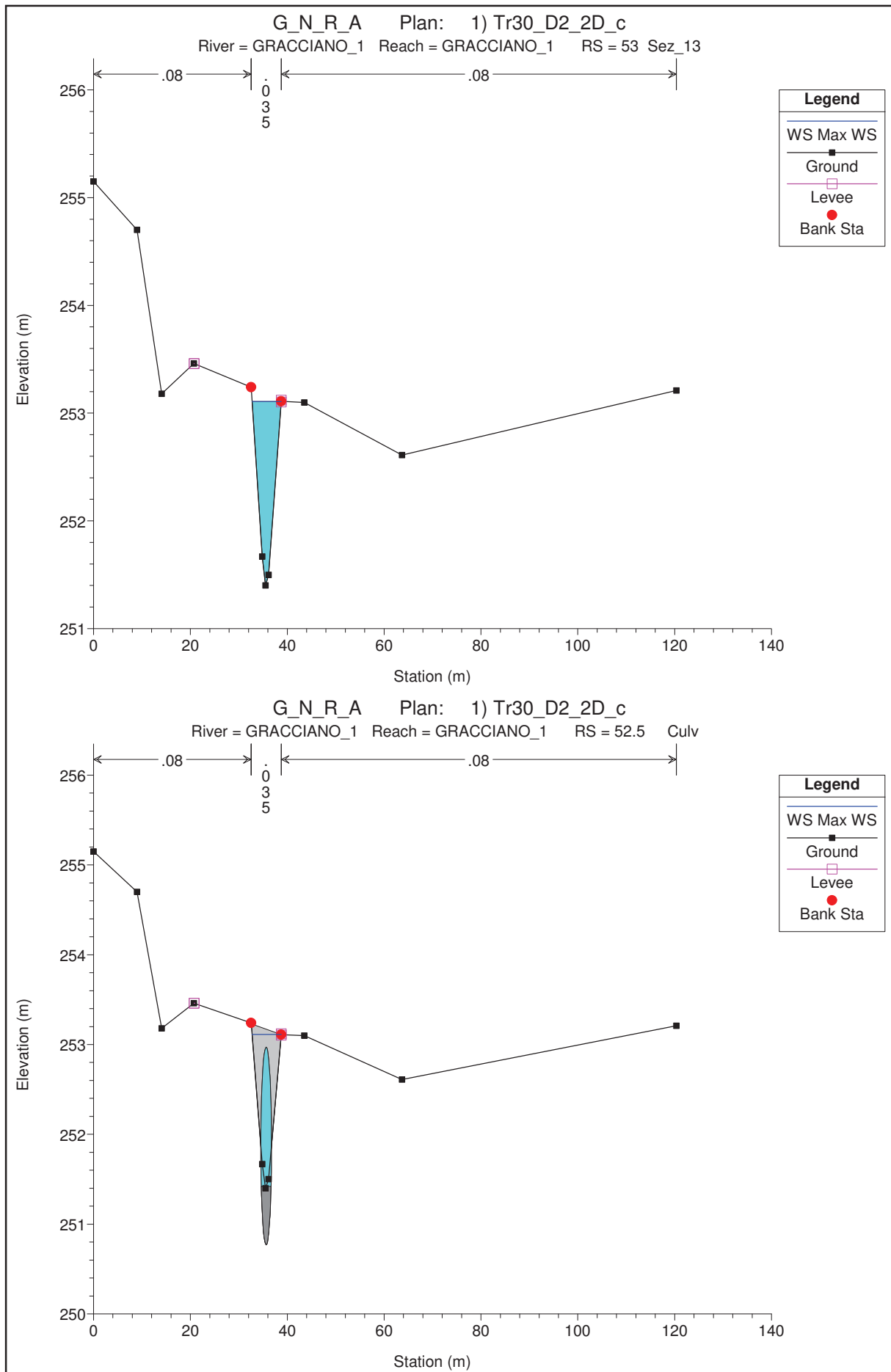


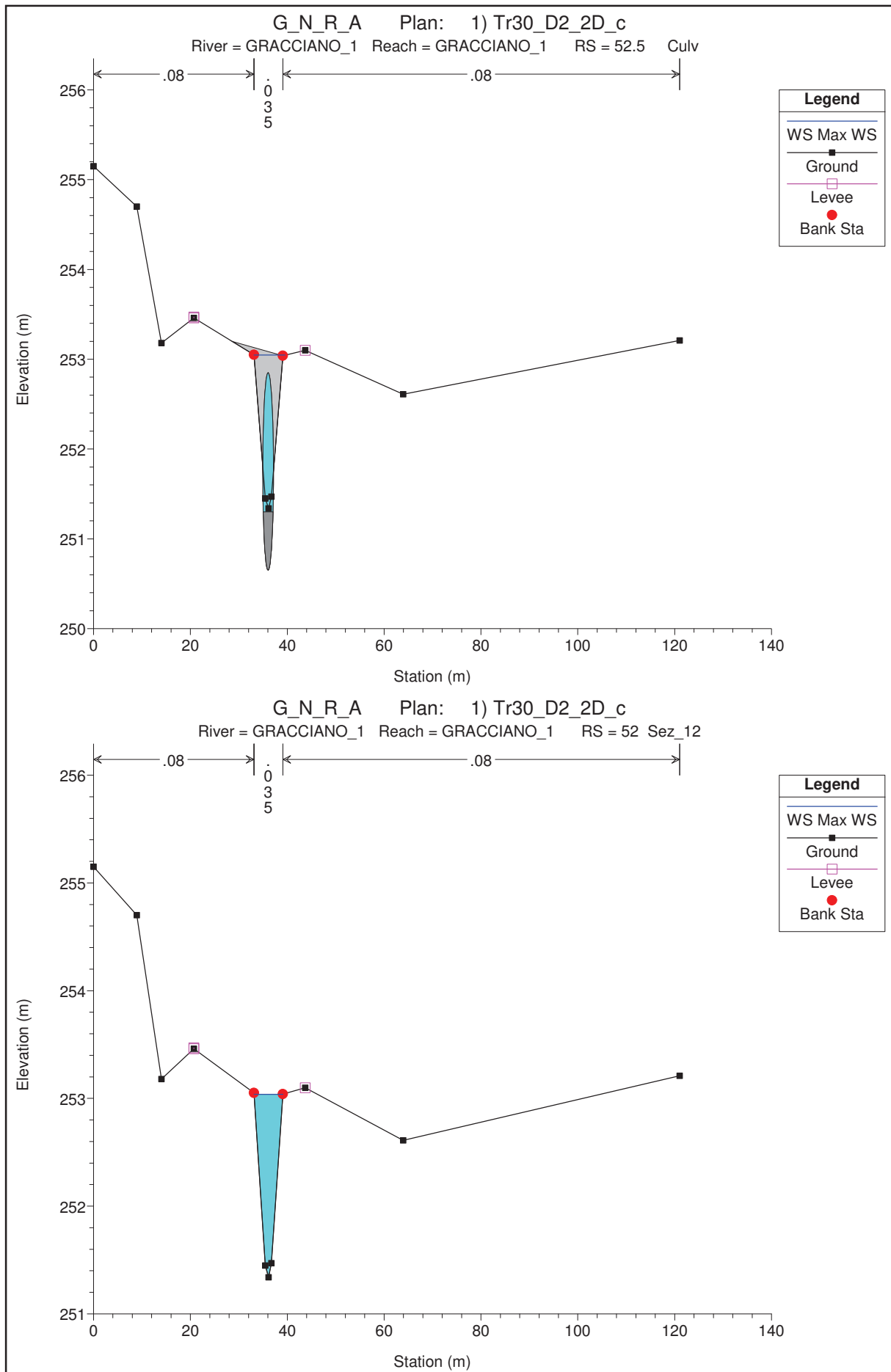


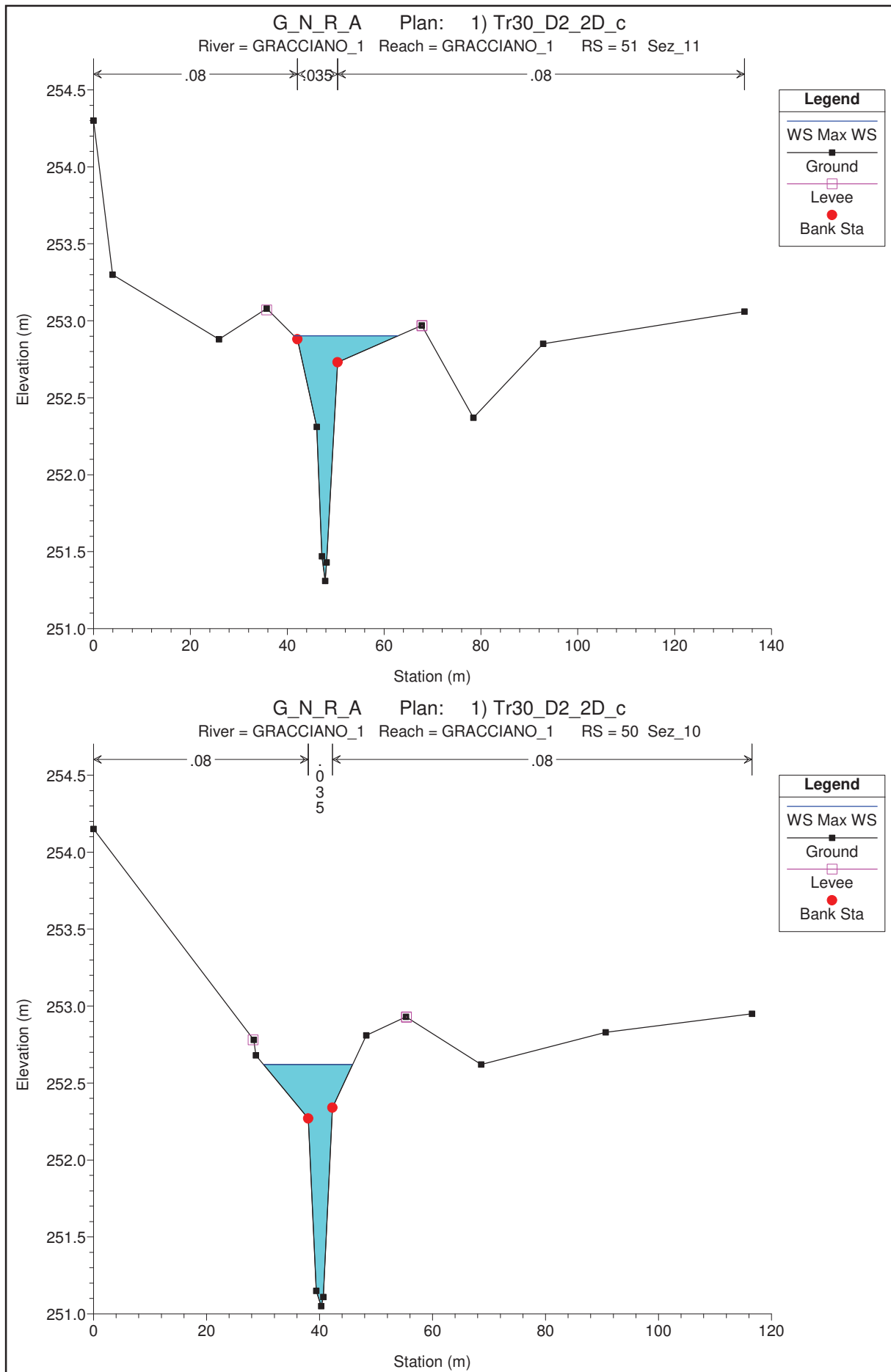


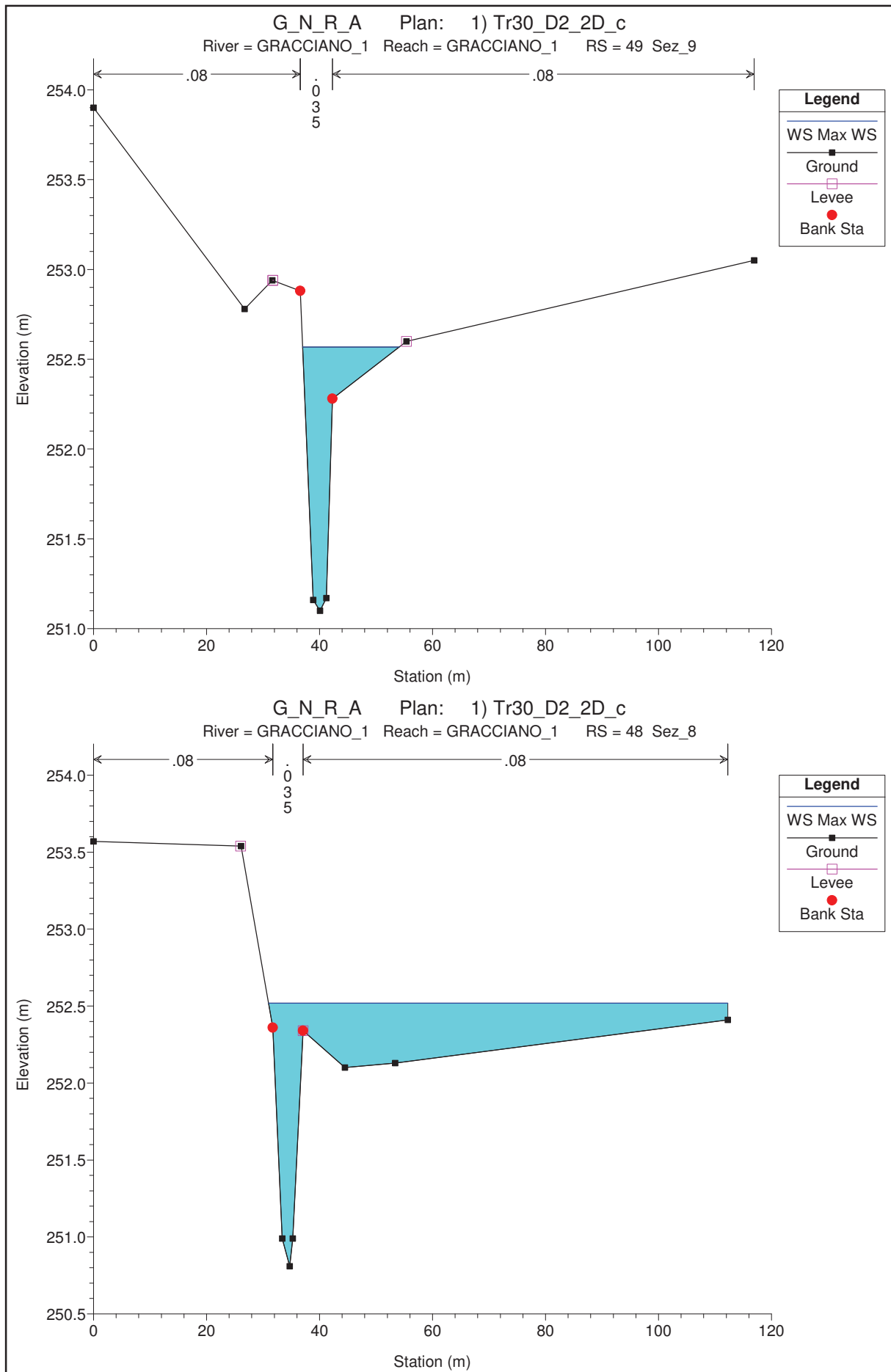


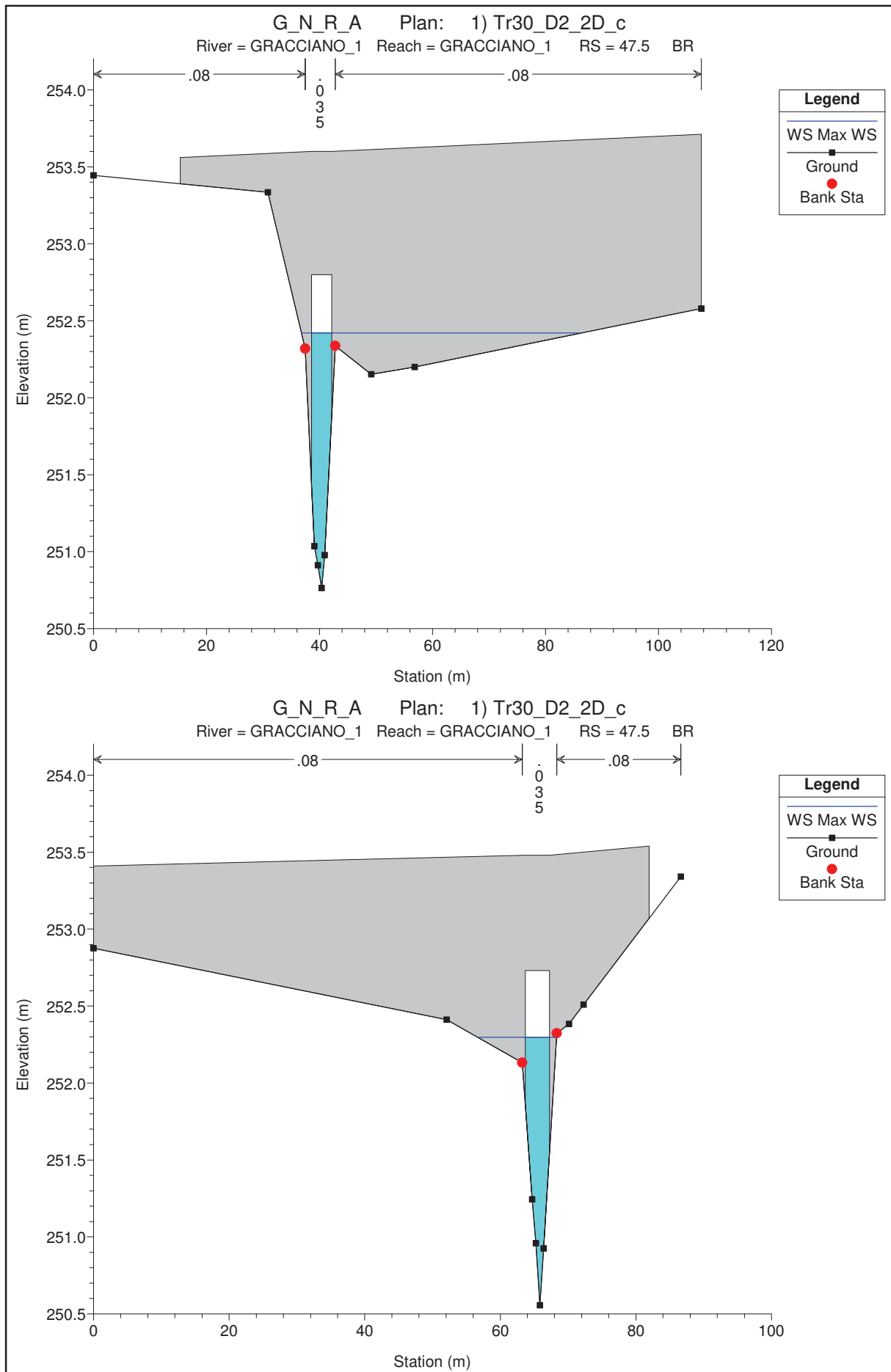


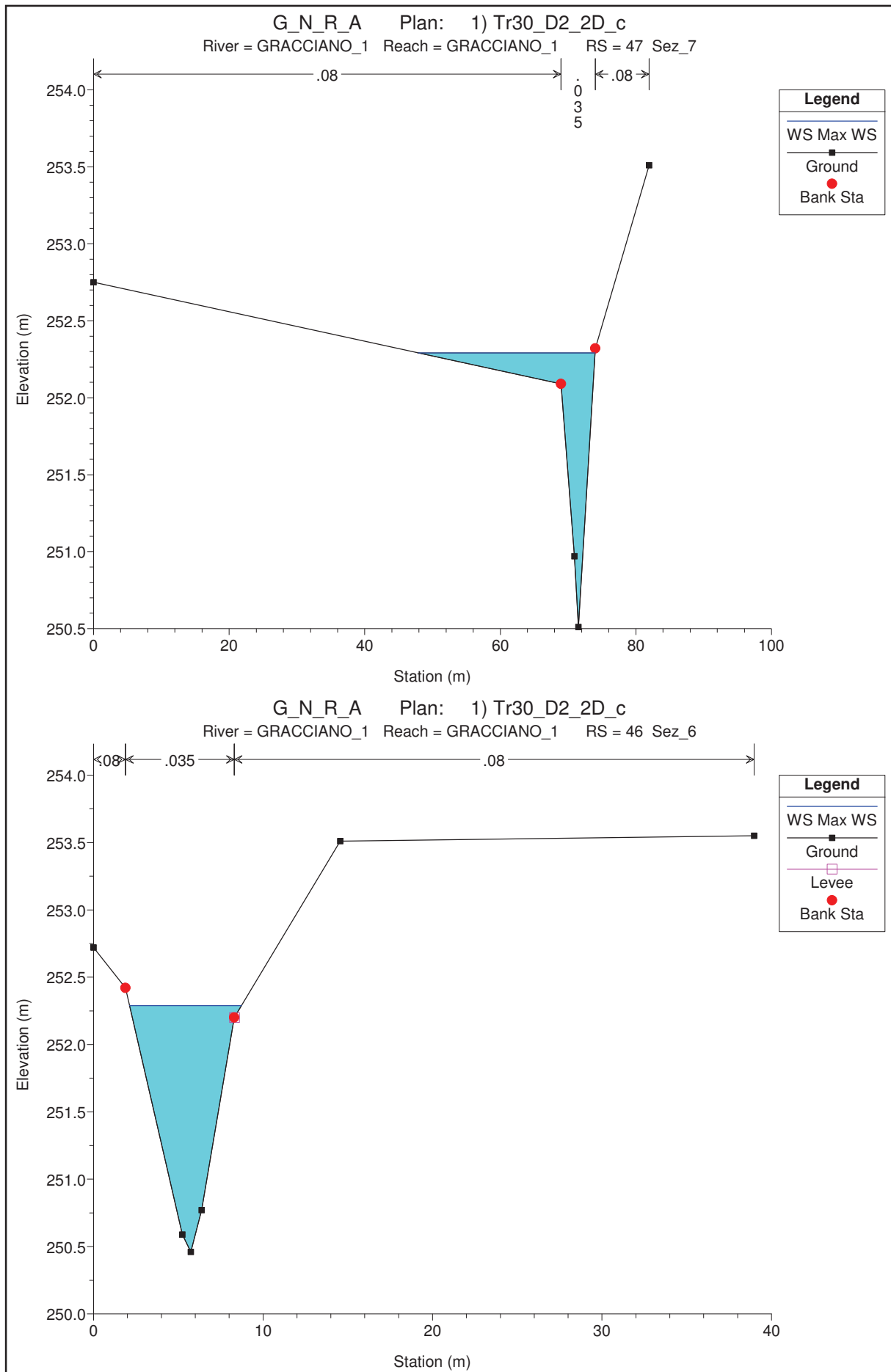


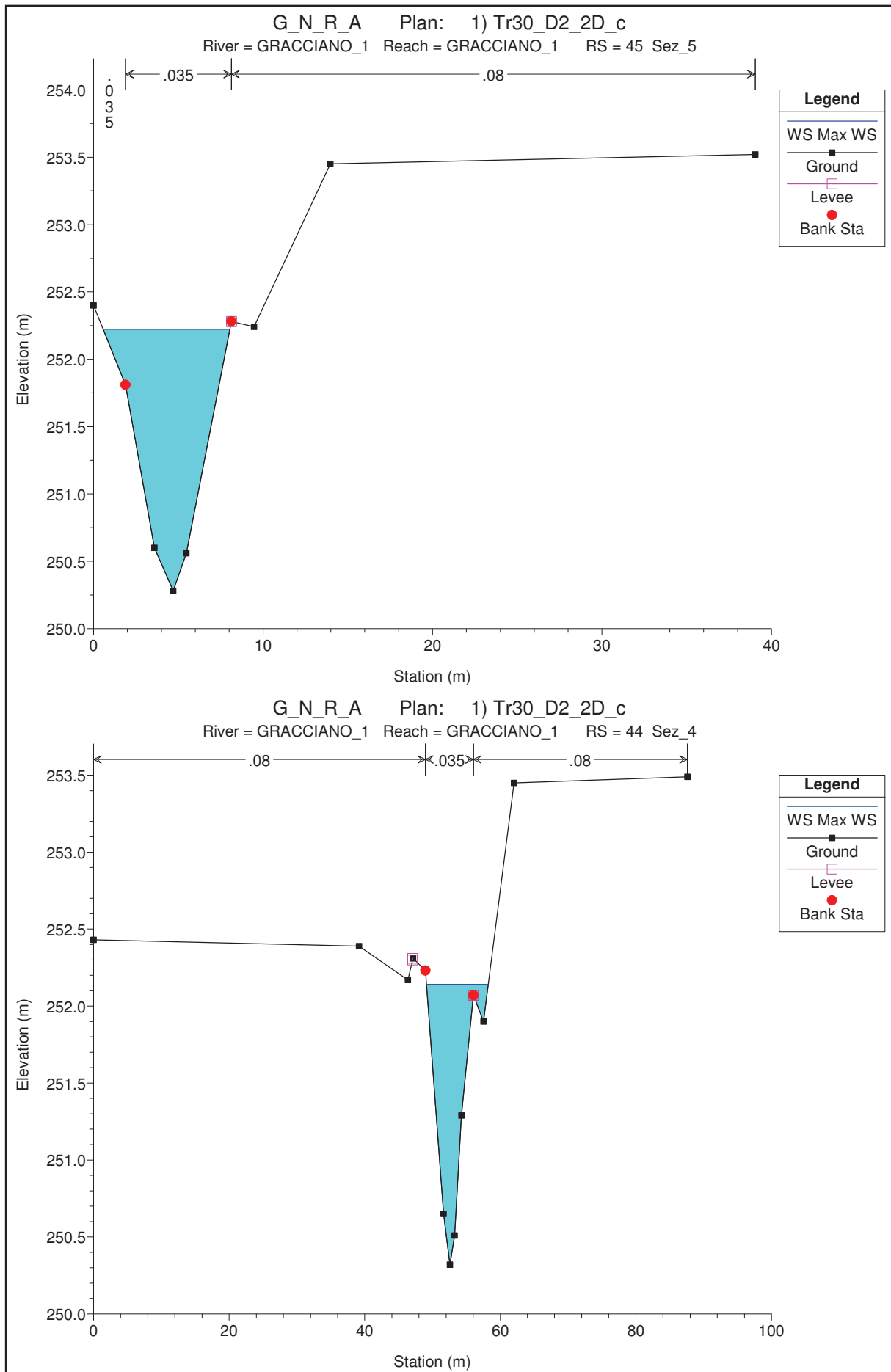


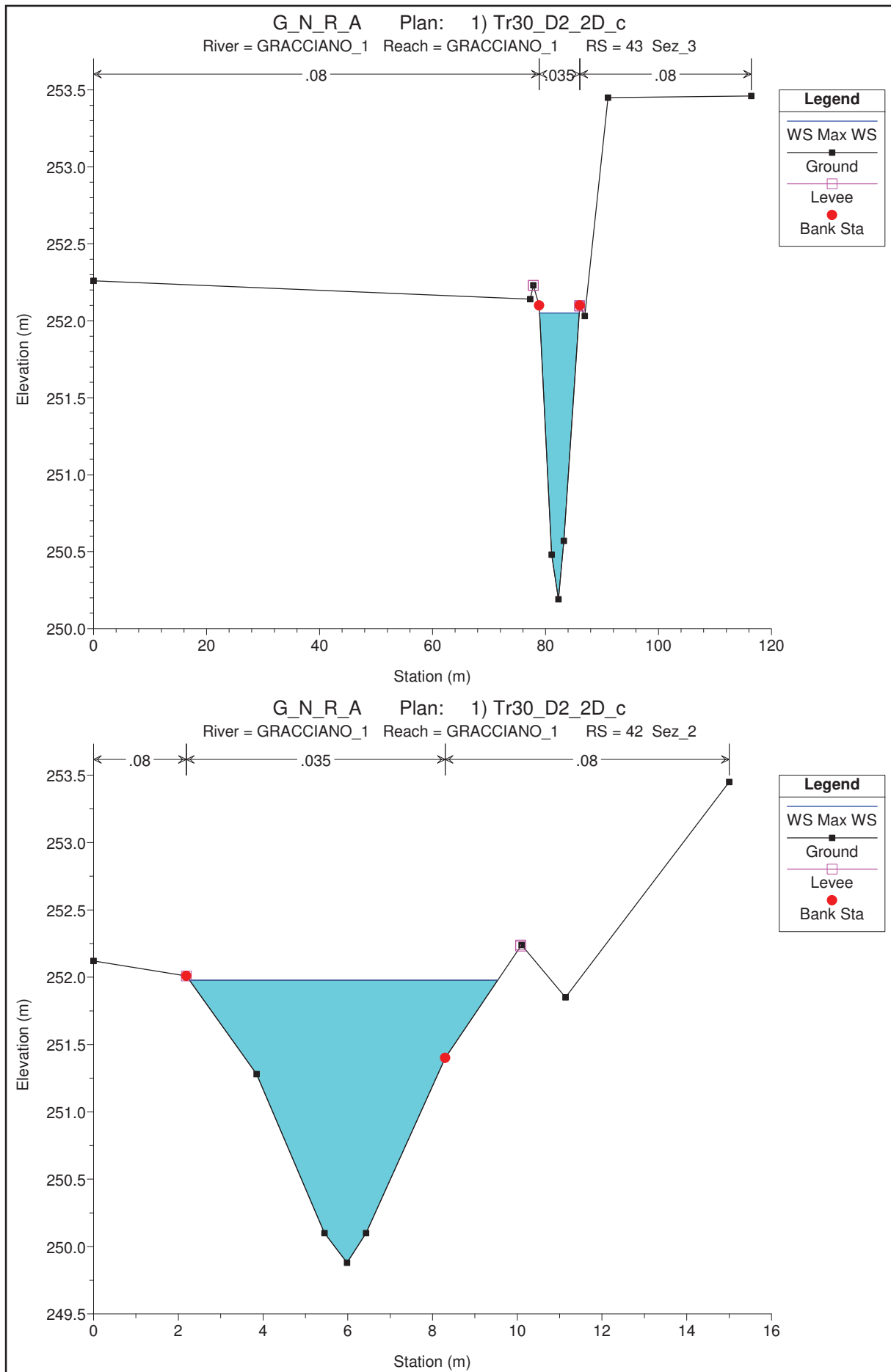


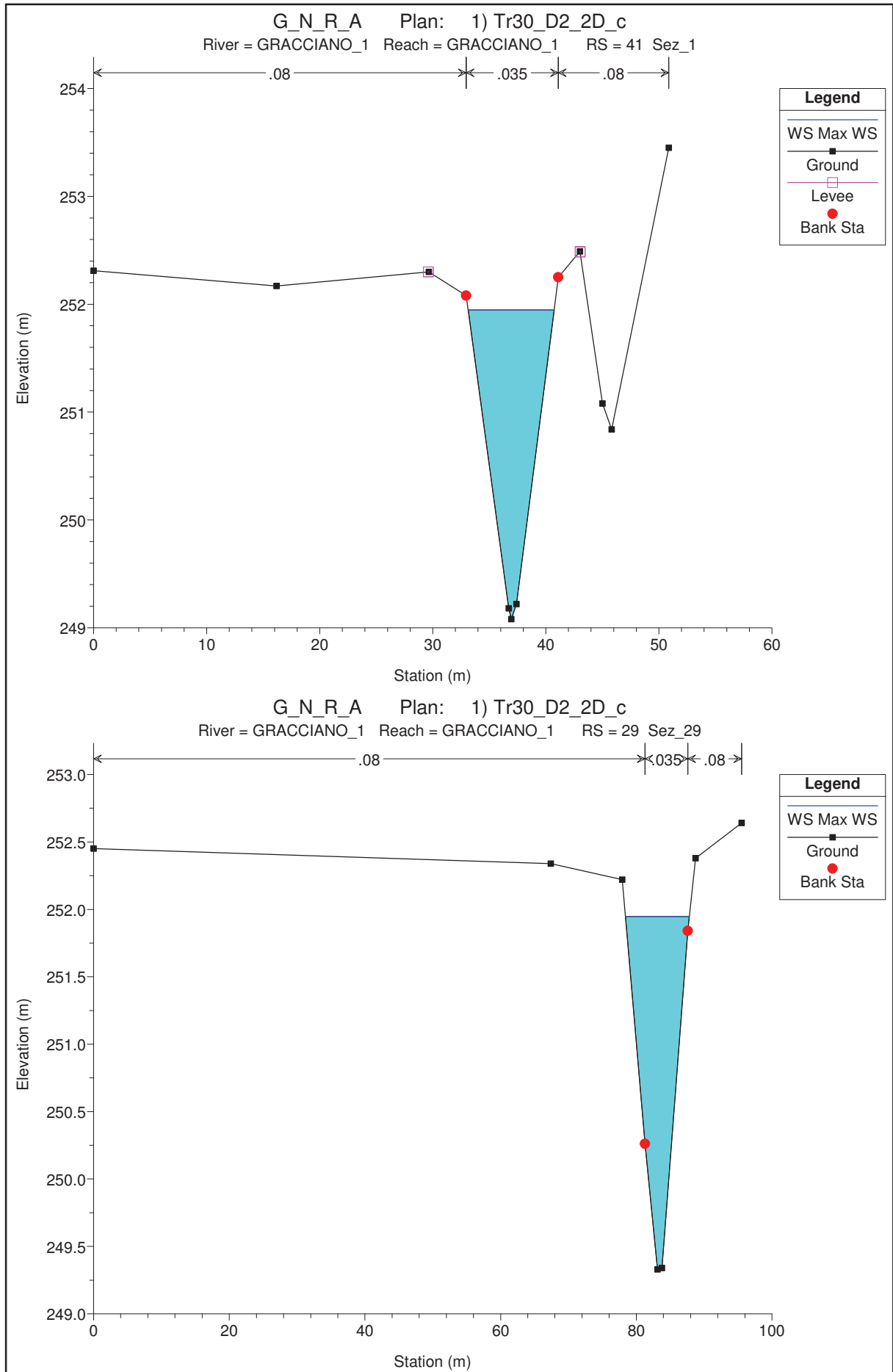














ALLEGATI

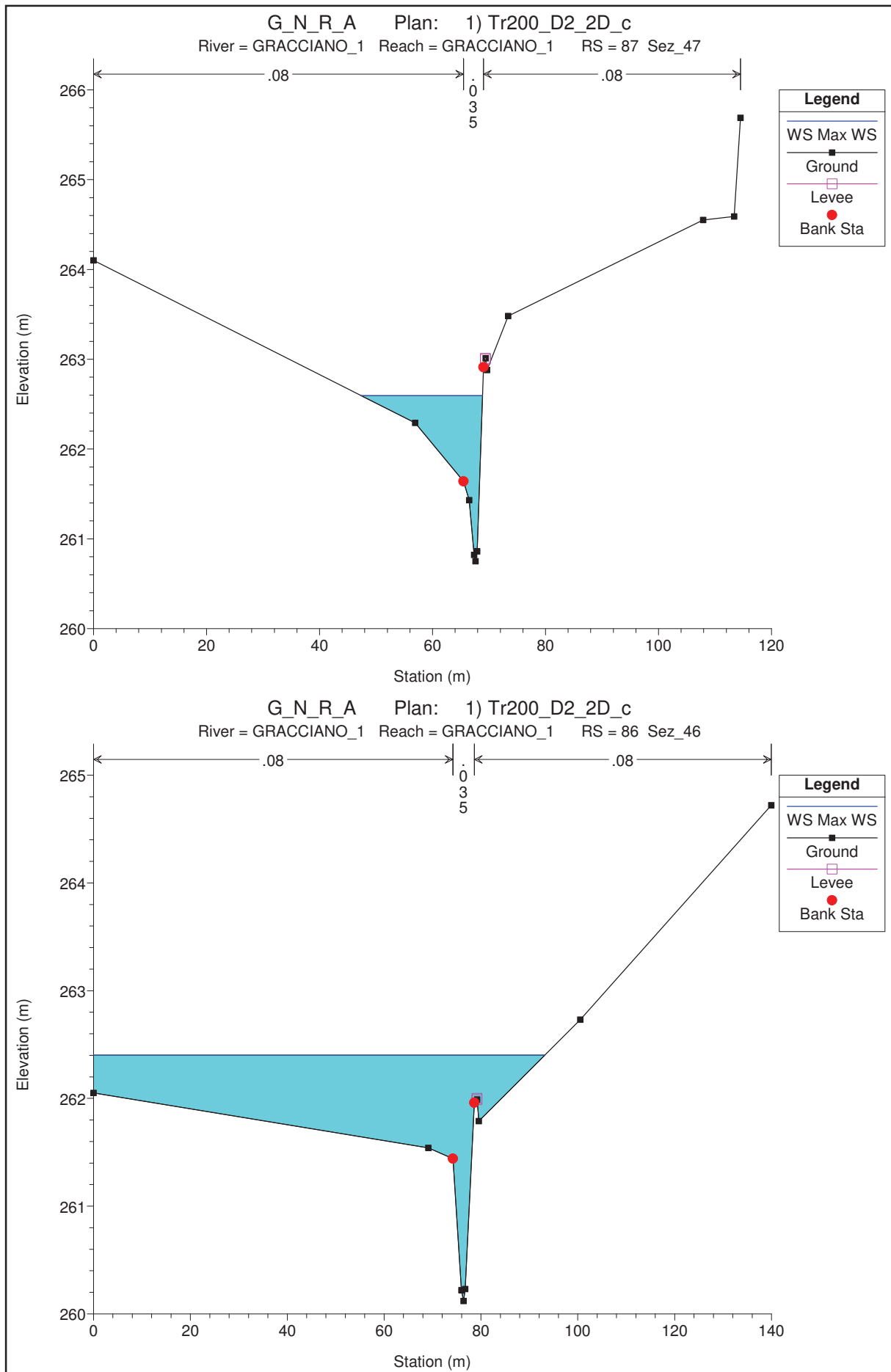
MODELLAZIONE HEC-RAS 5.0.3 "Montepulciano stazione"

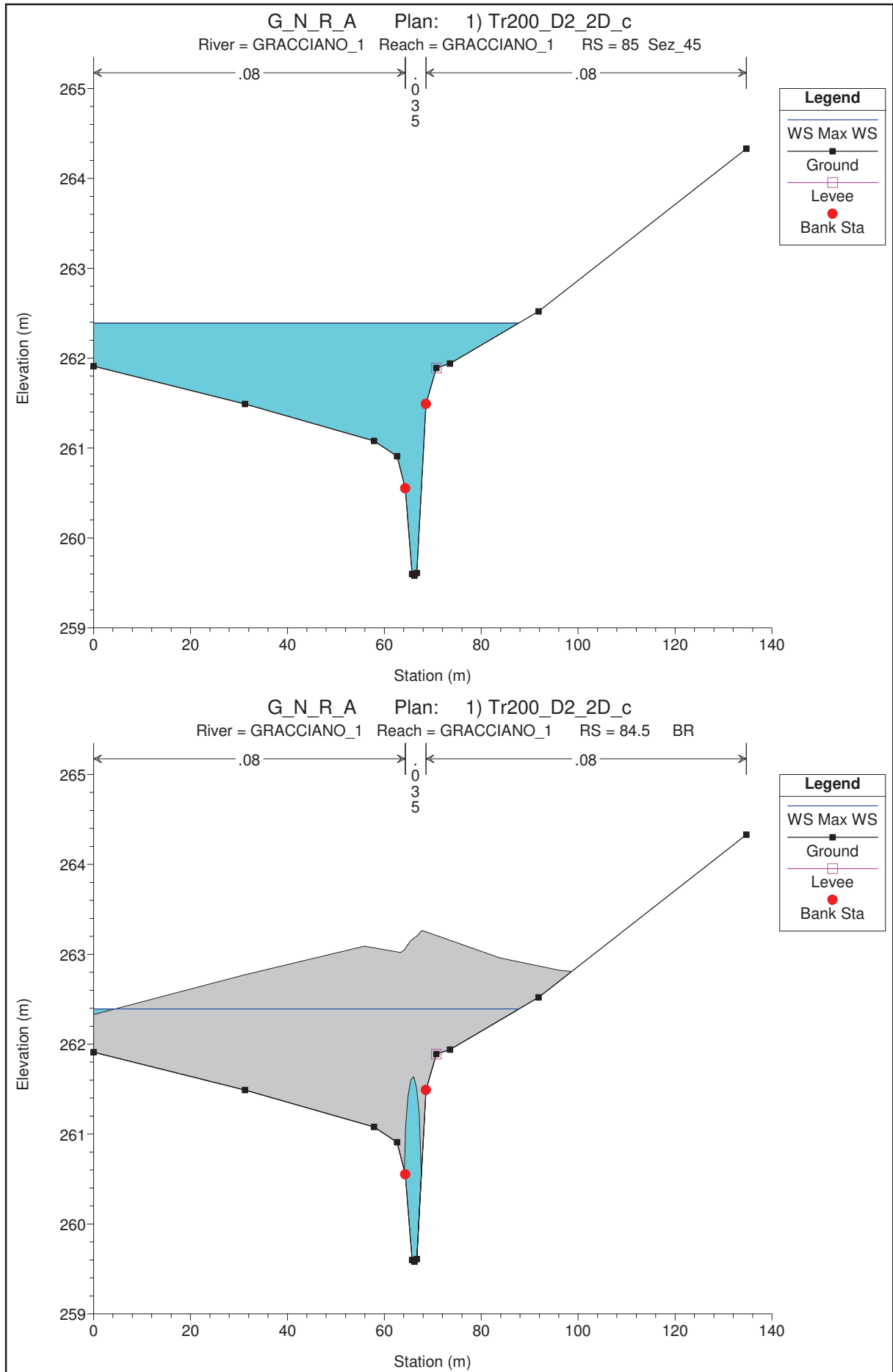
DOCCIA DI GRACCIANO

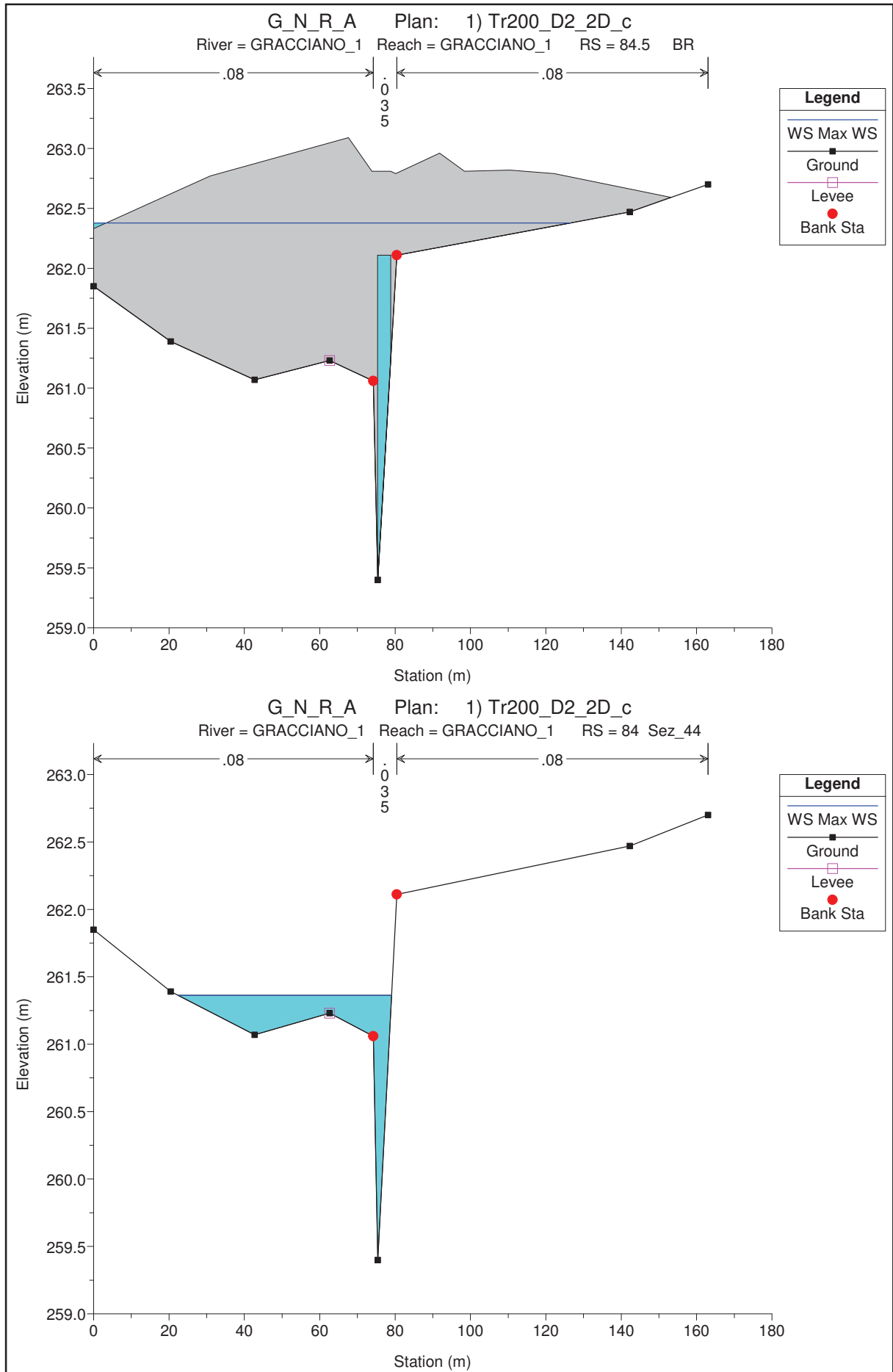
MODELLAZIONE PER TR=200 anni

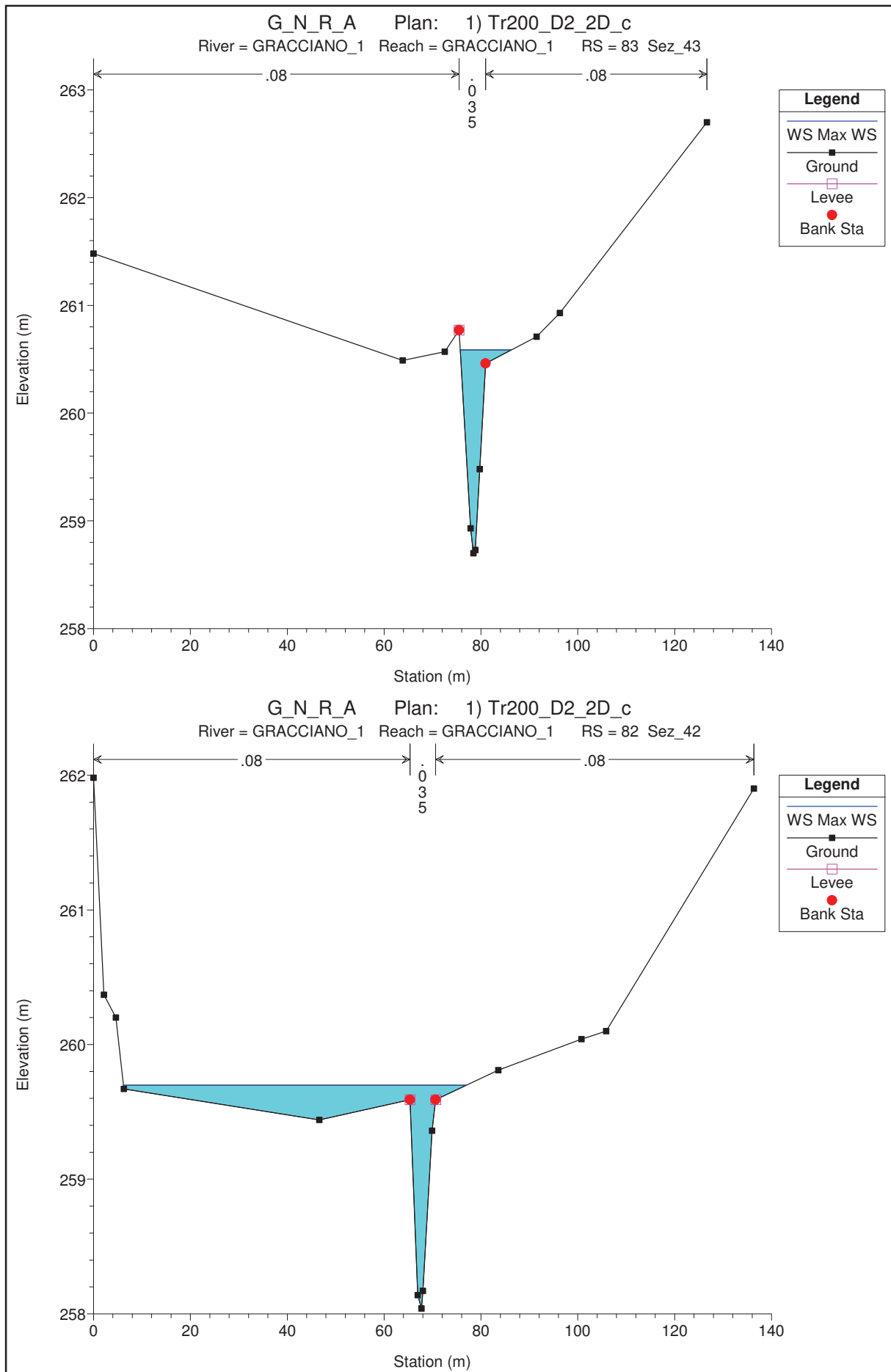
DURATE DI PIOGGIA: 2h

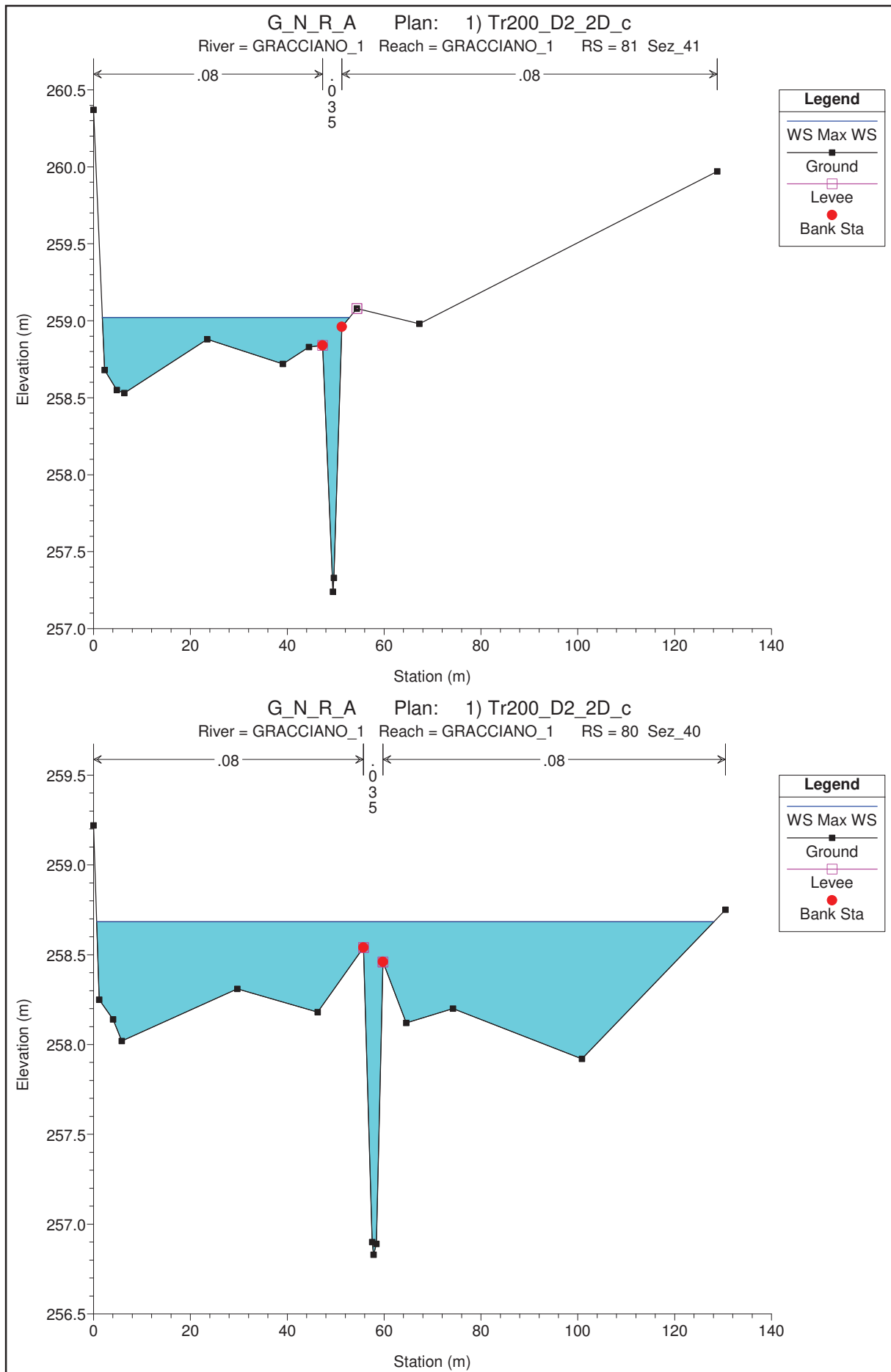
Sezioni Trasversali (da monte verso valle)

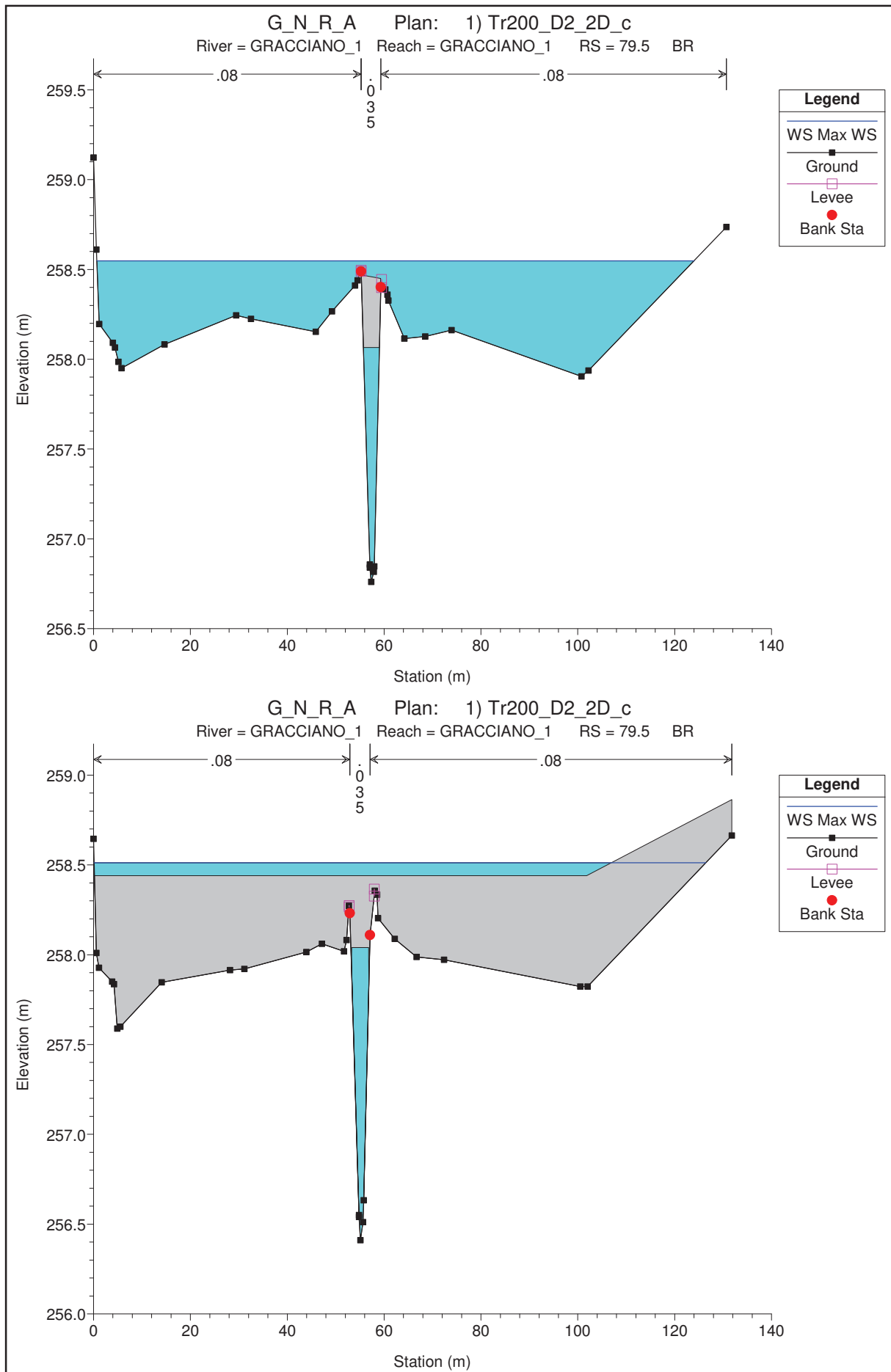


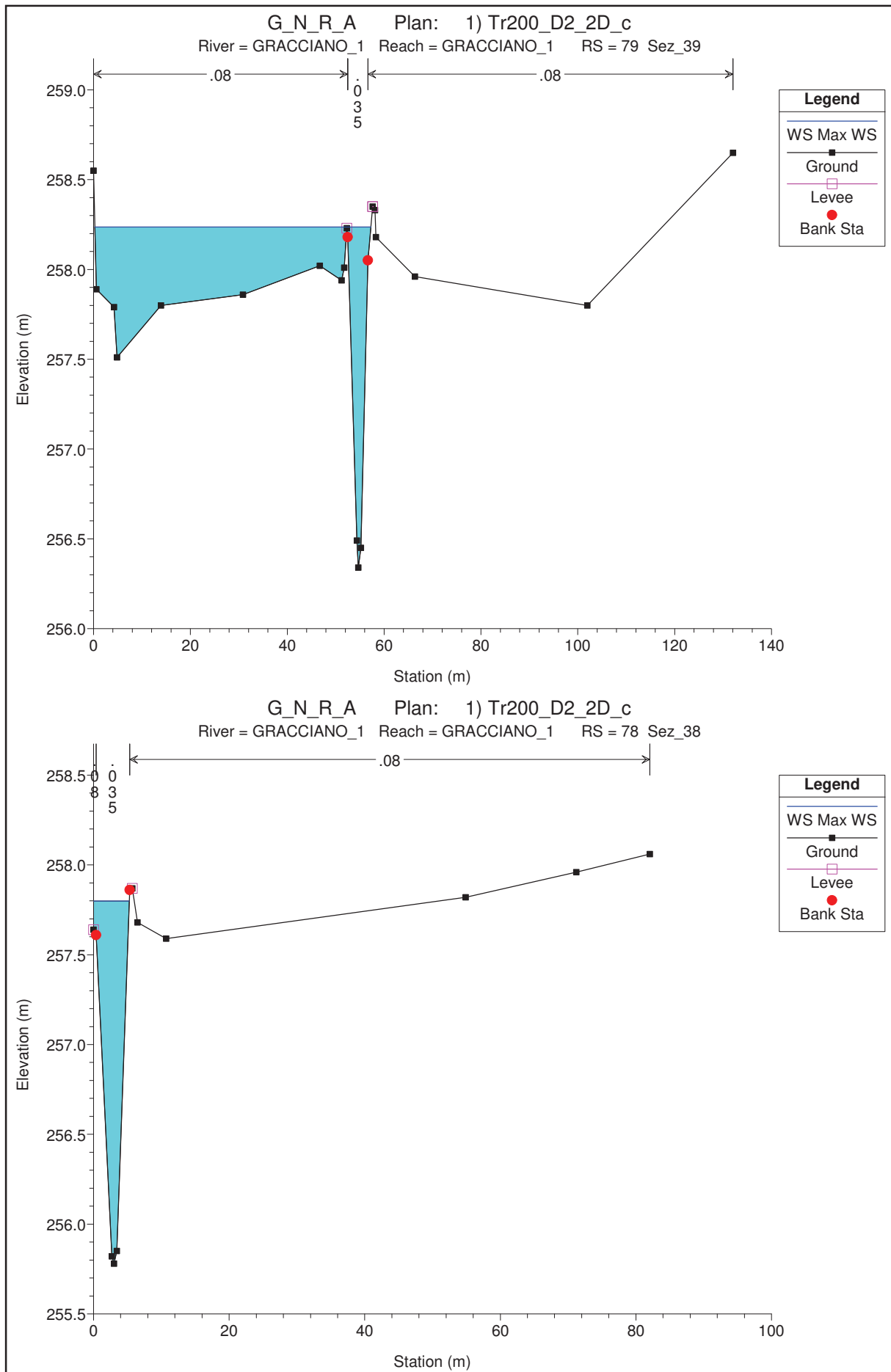


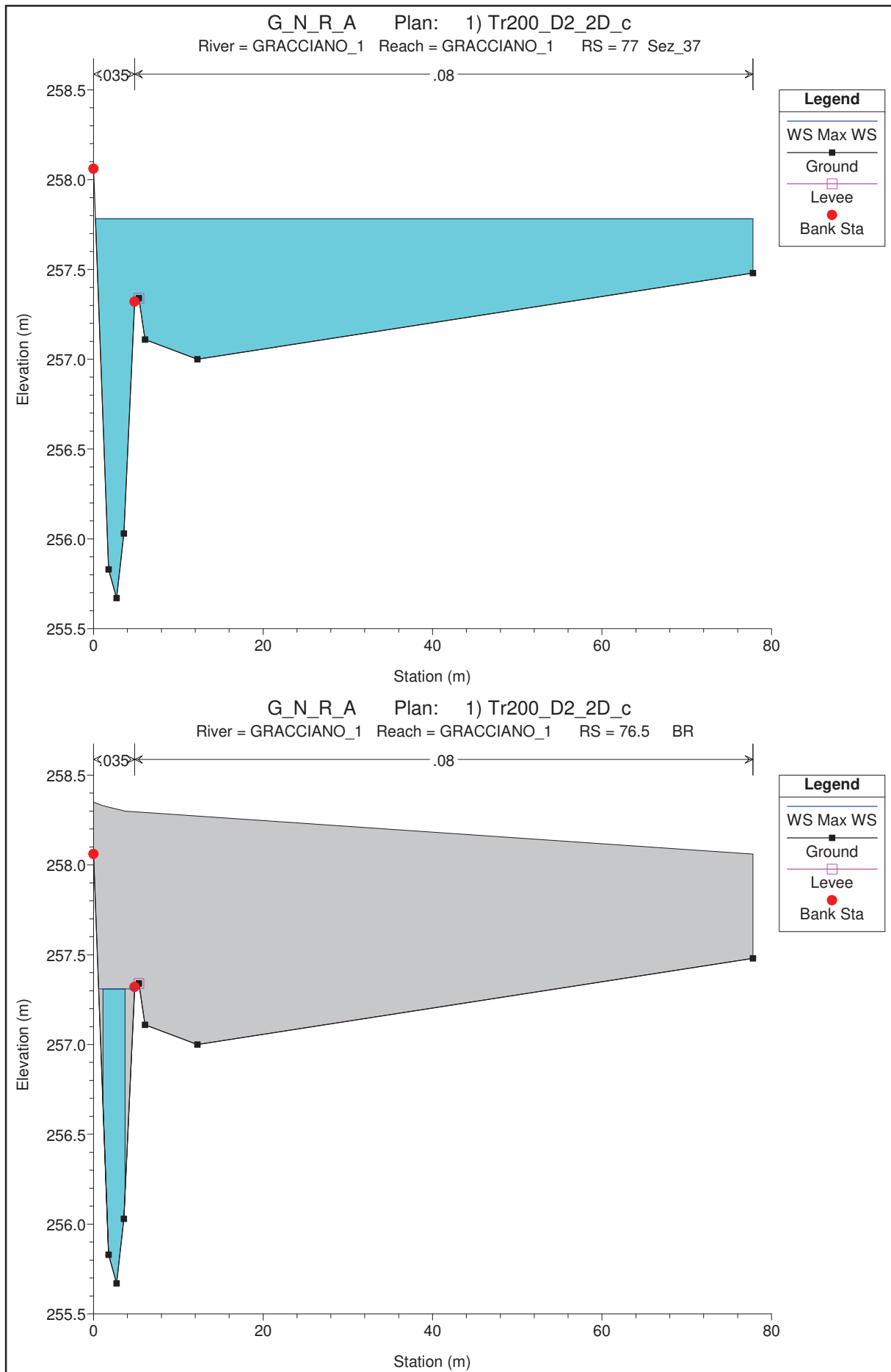


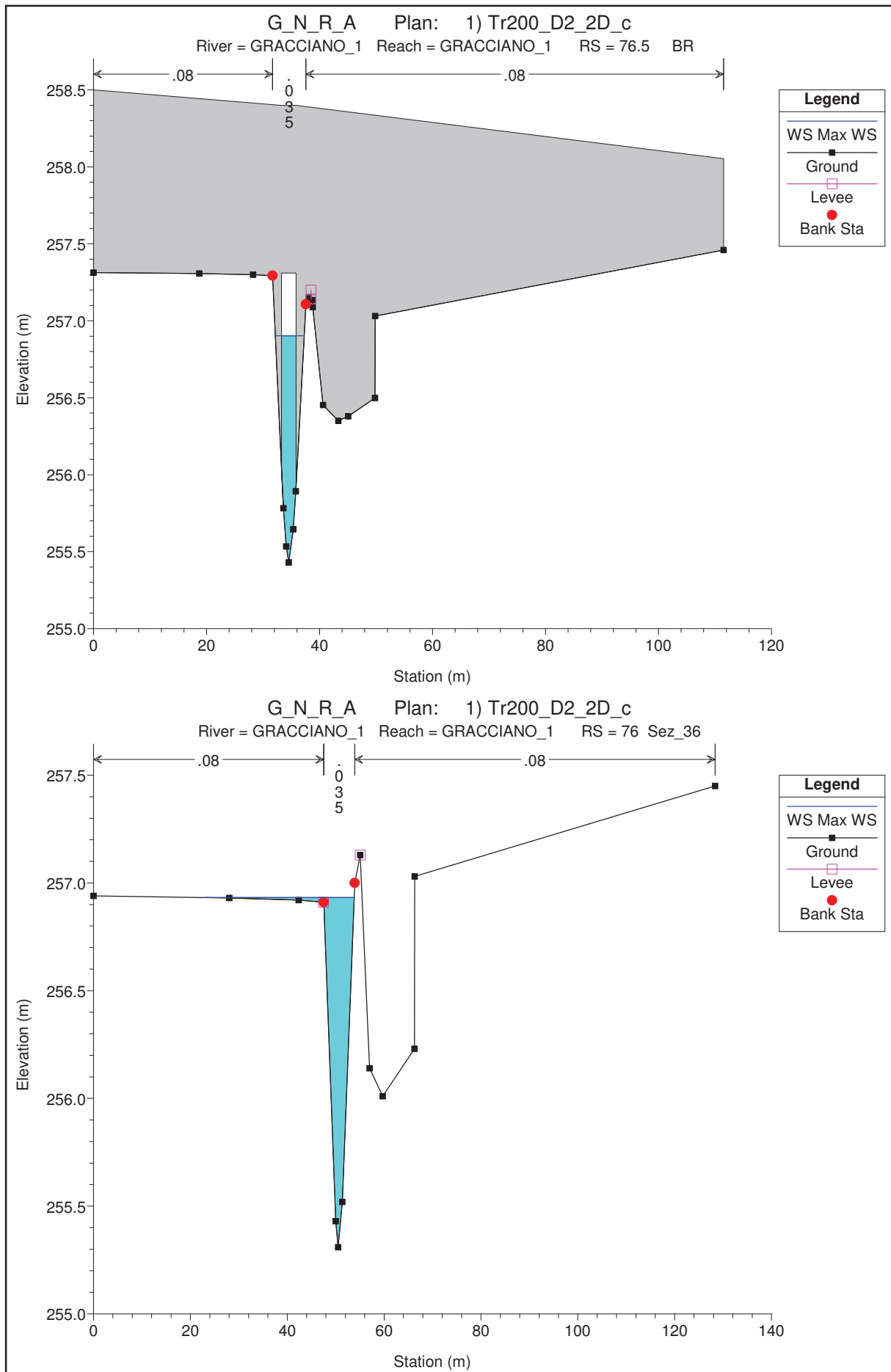


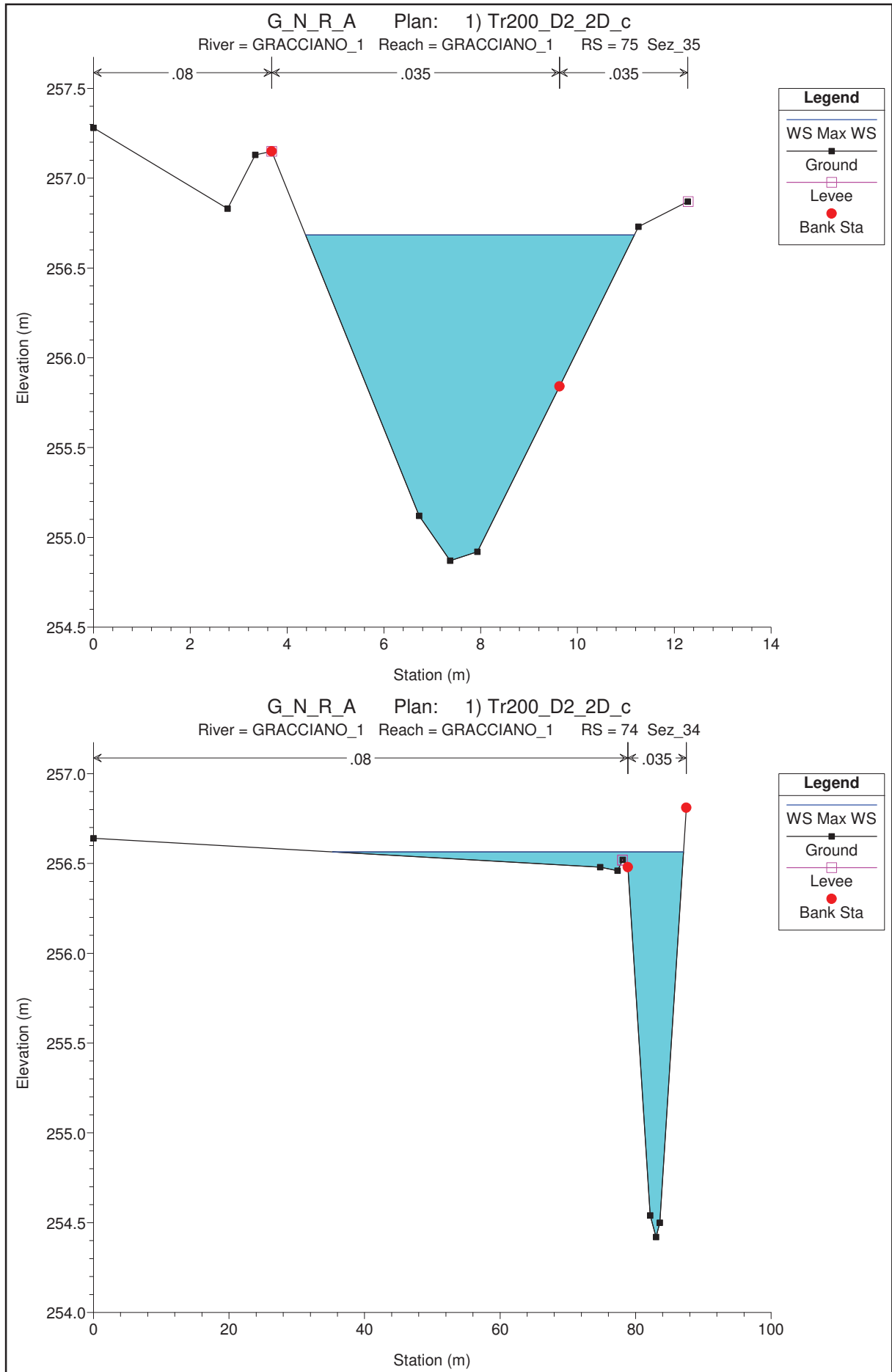


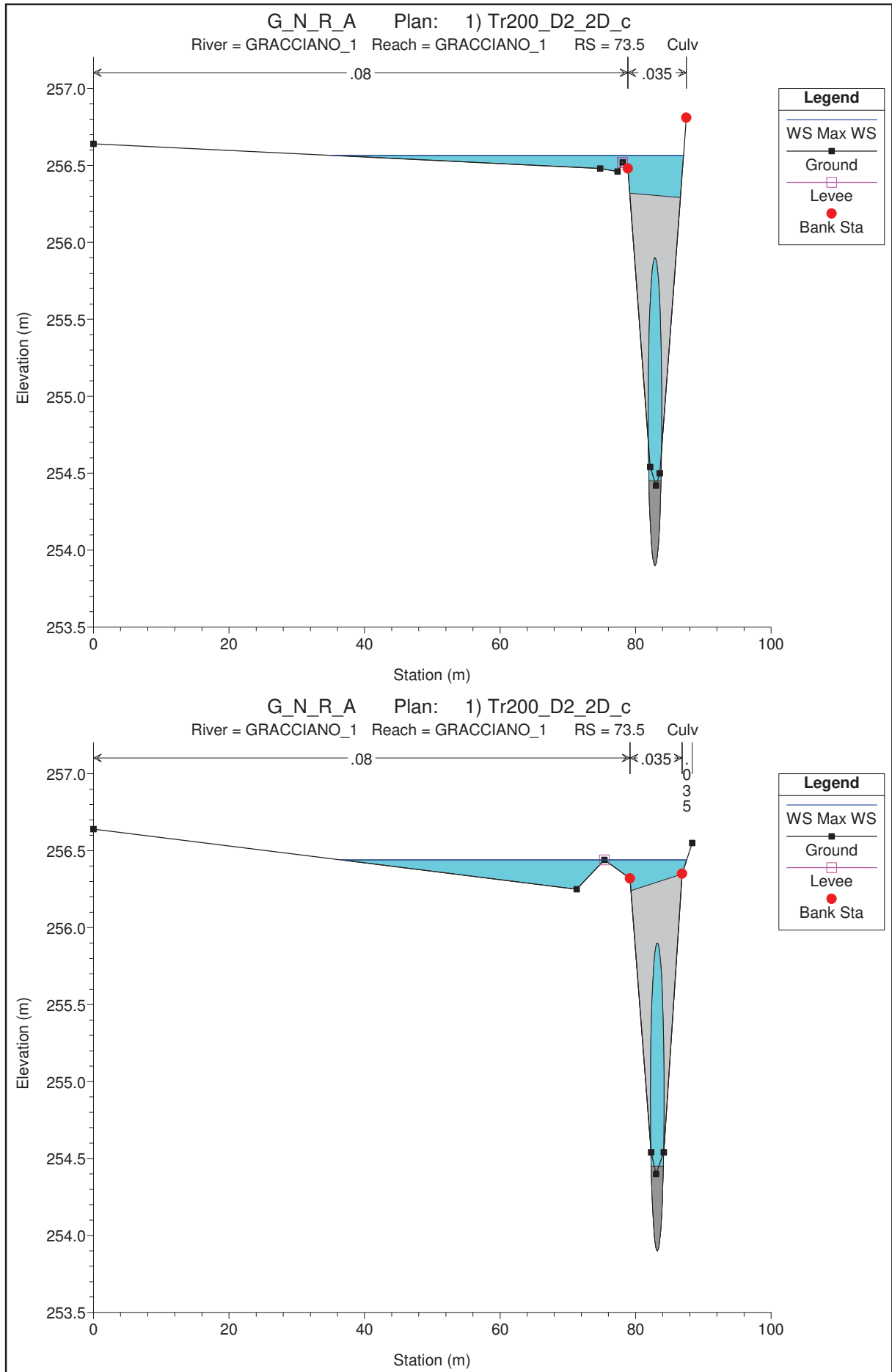


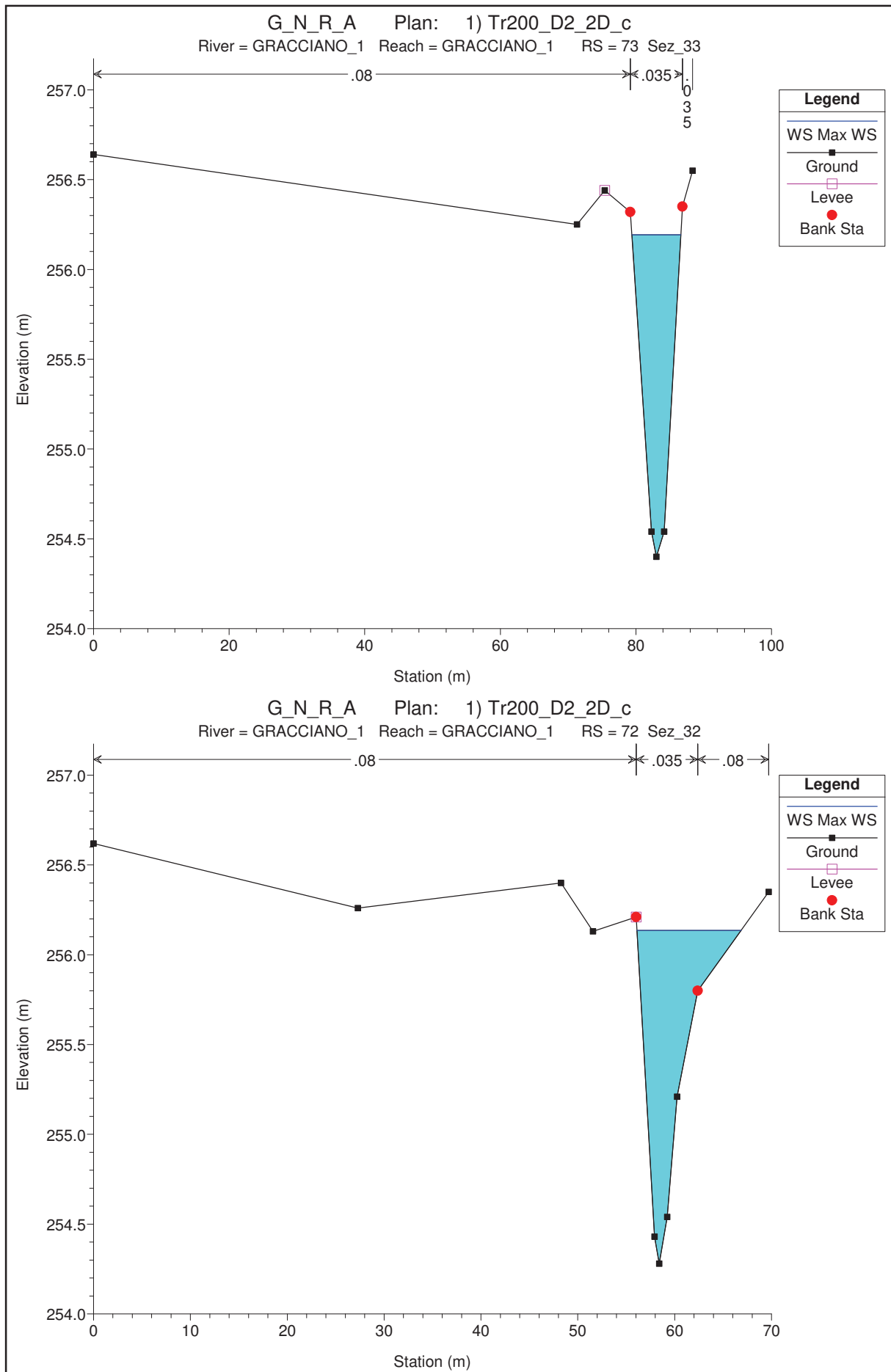


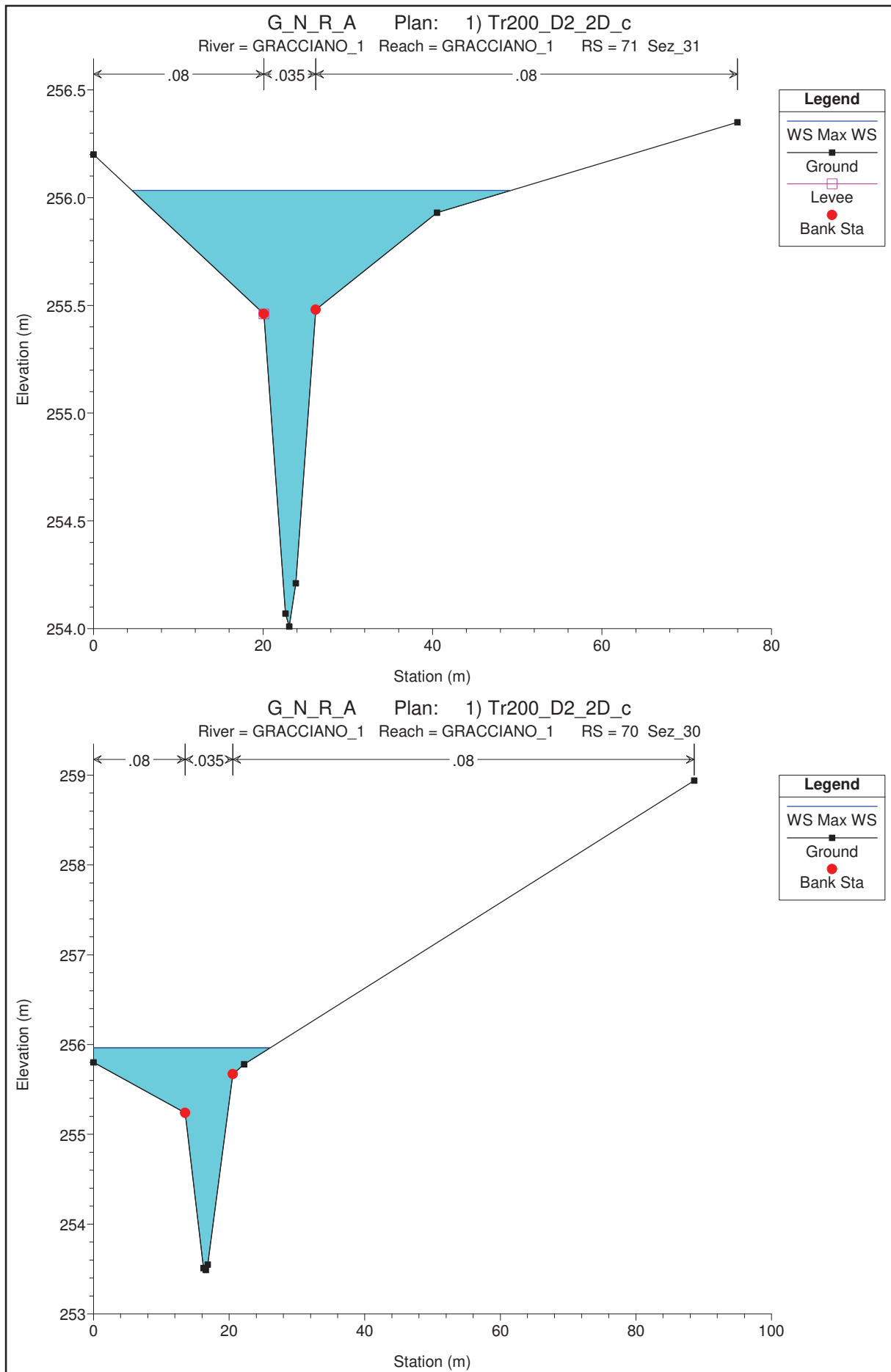


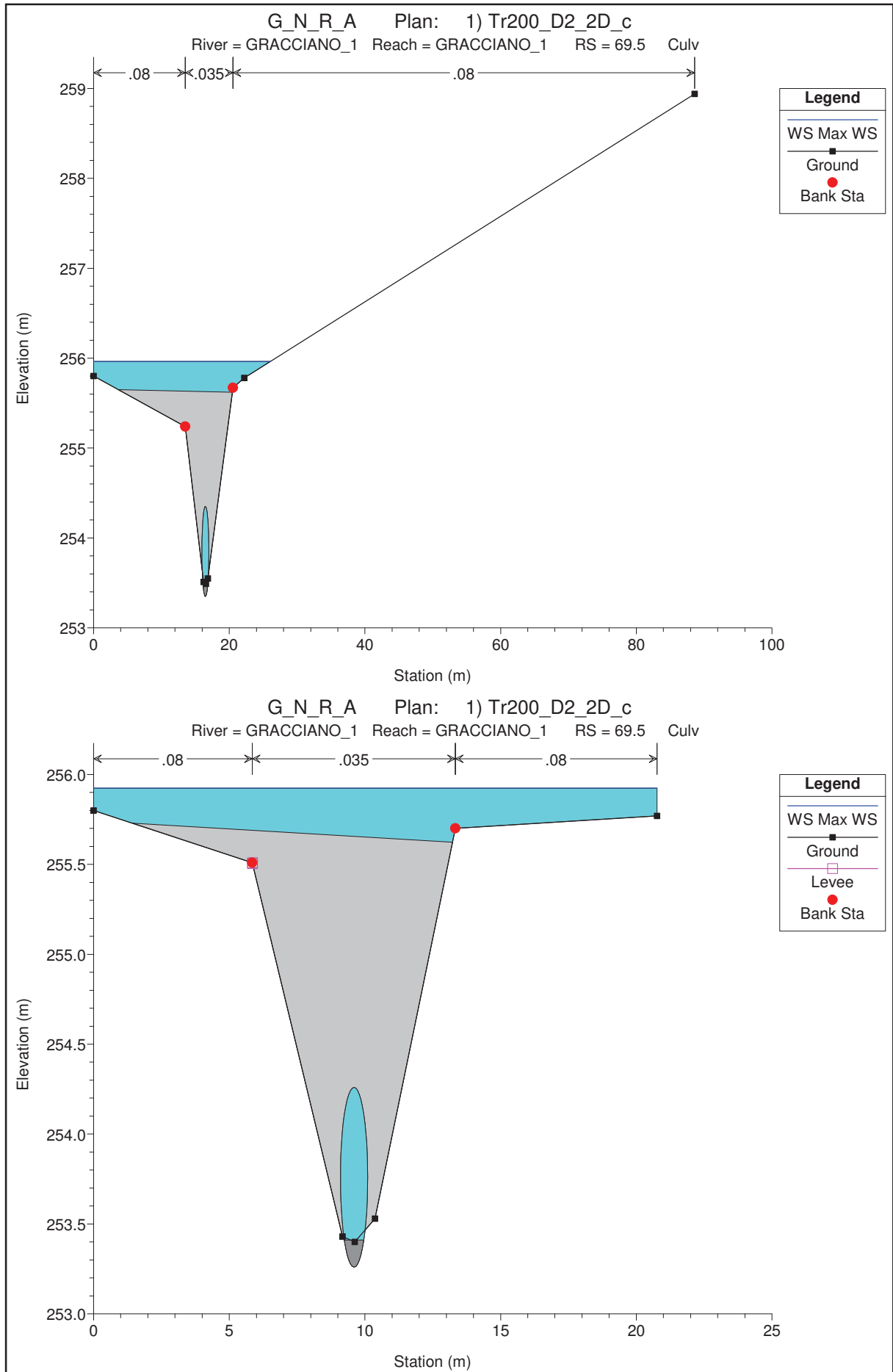


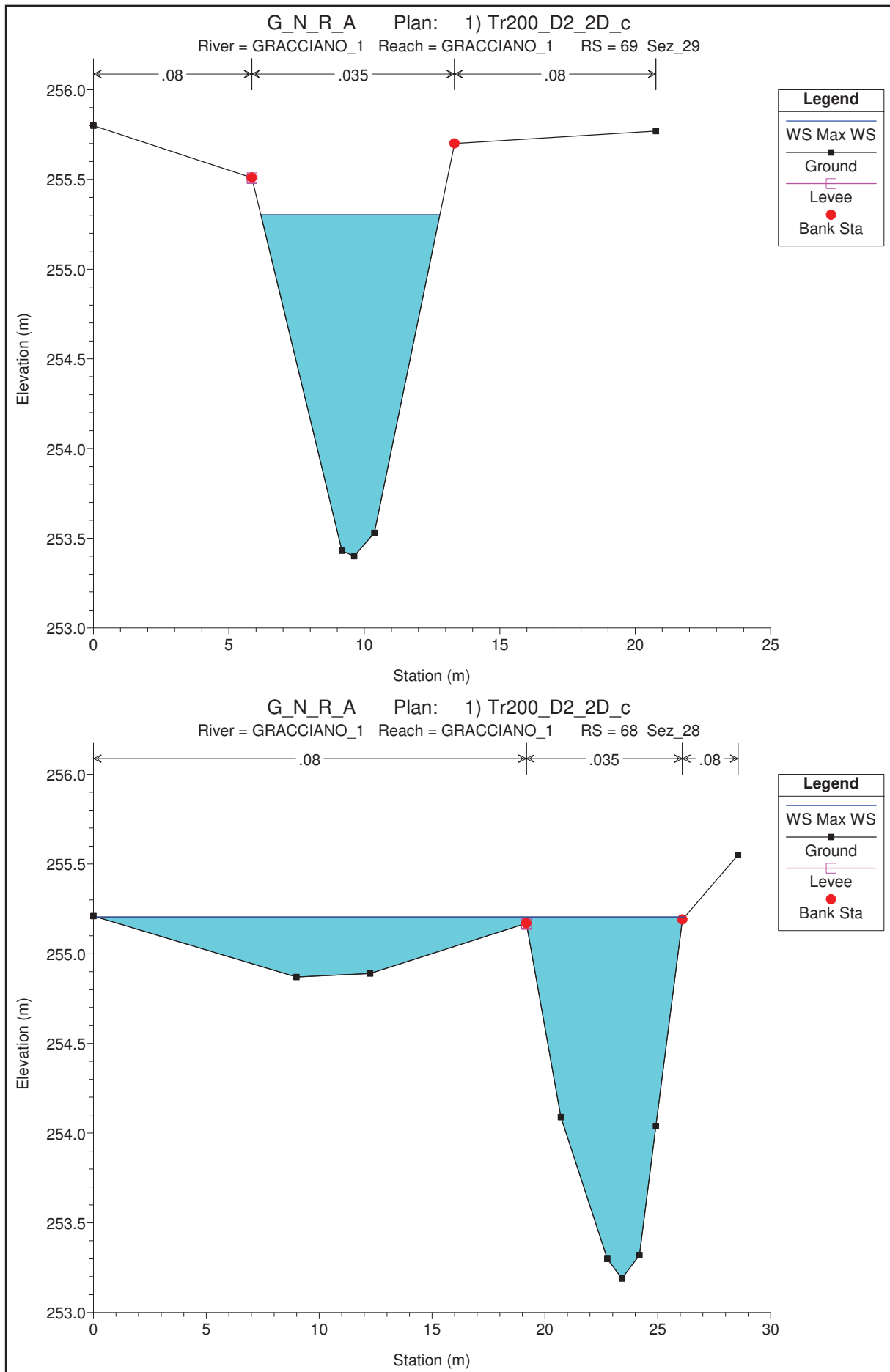


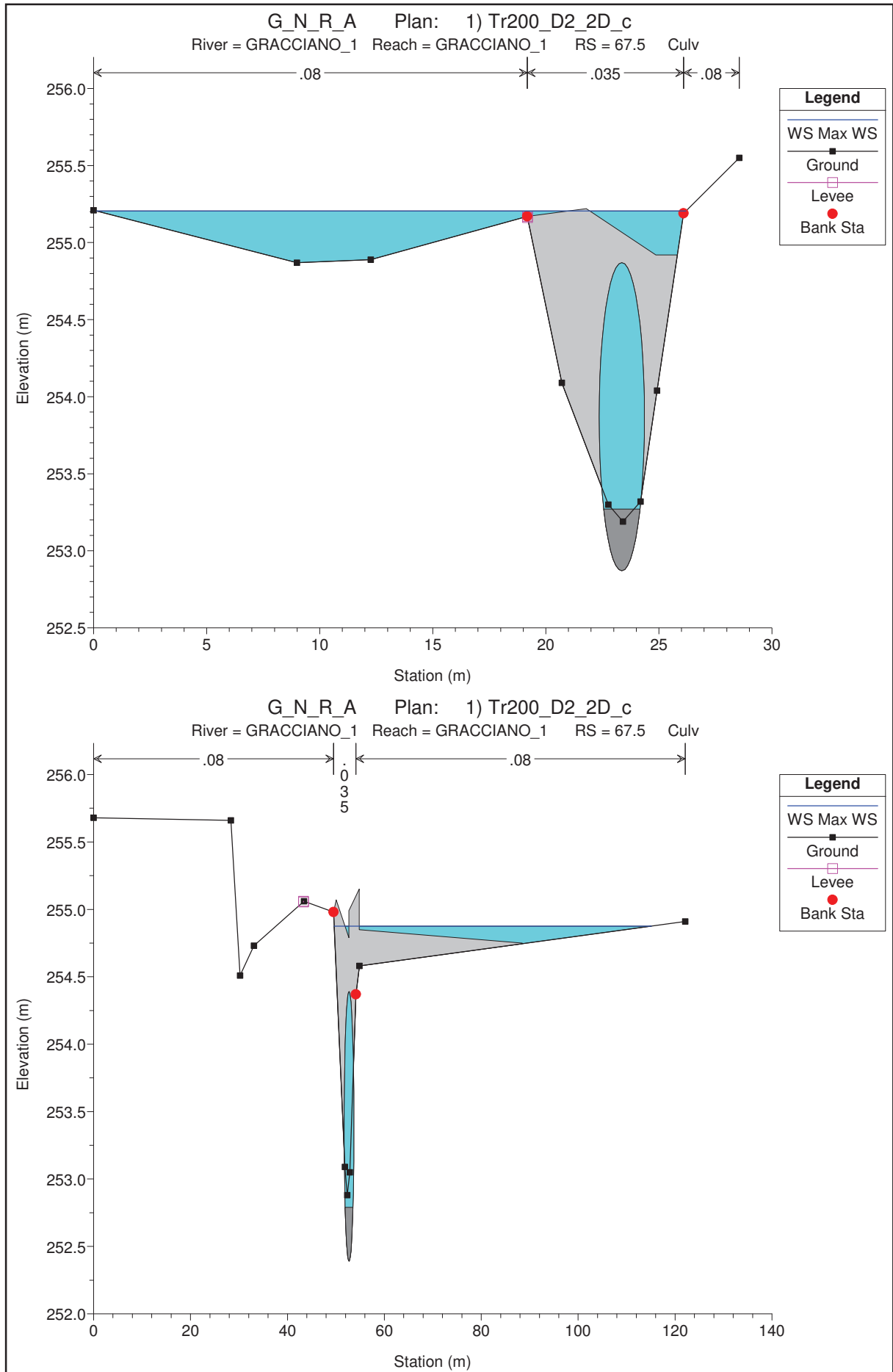


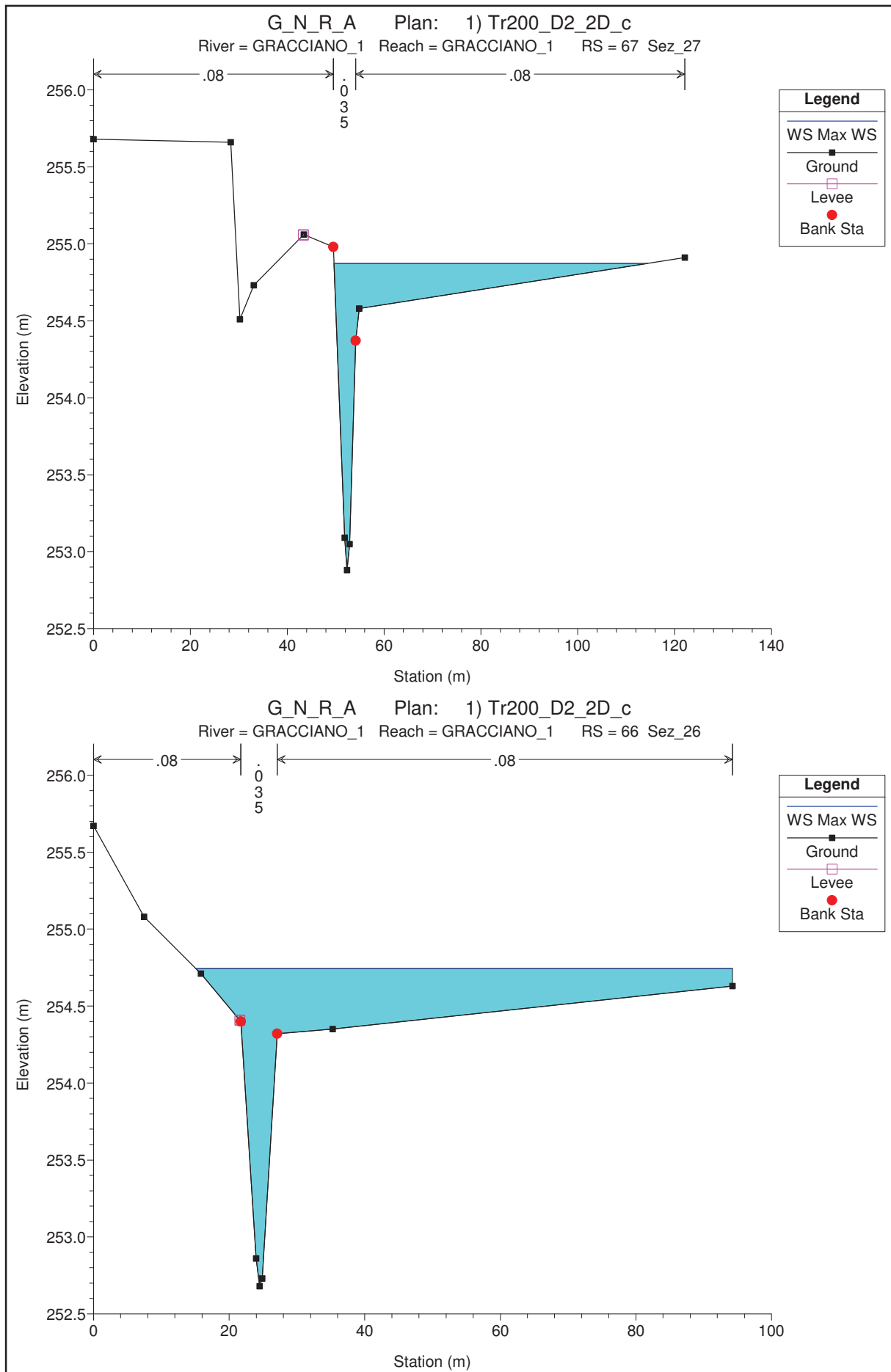


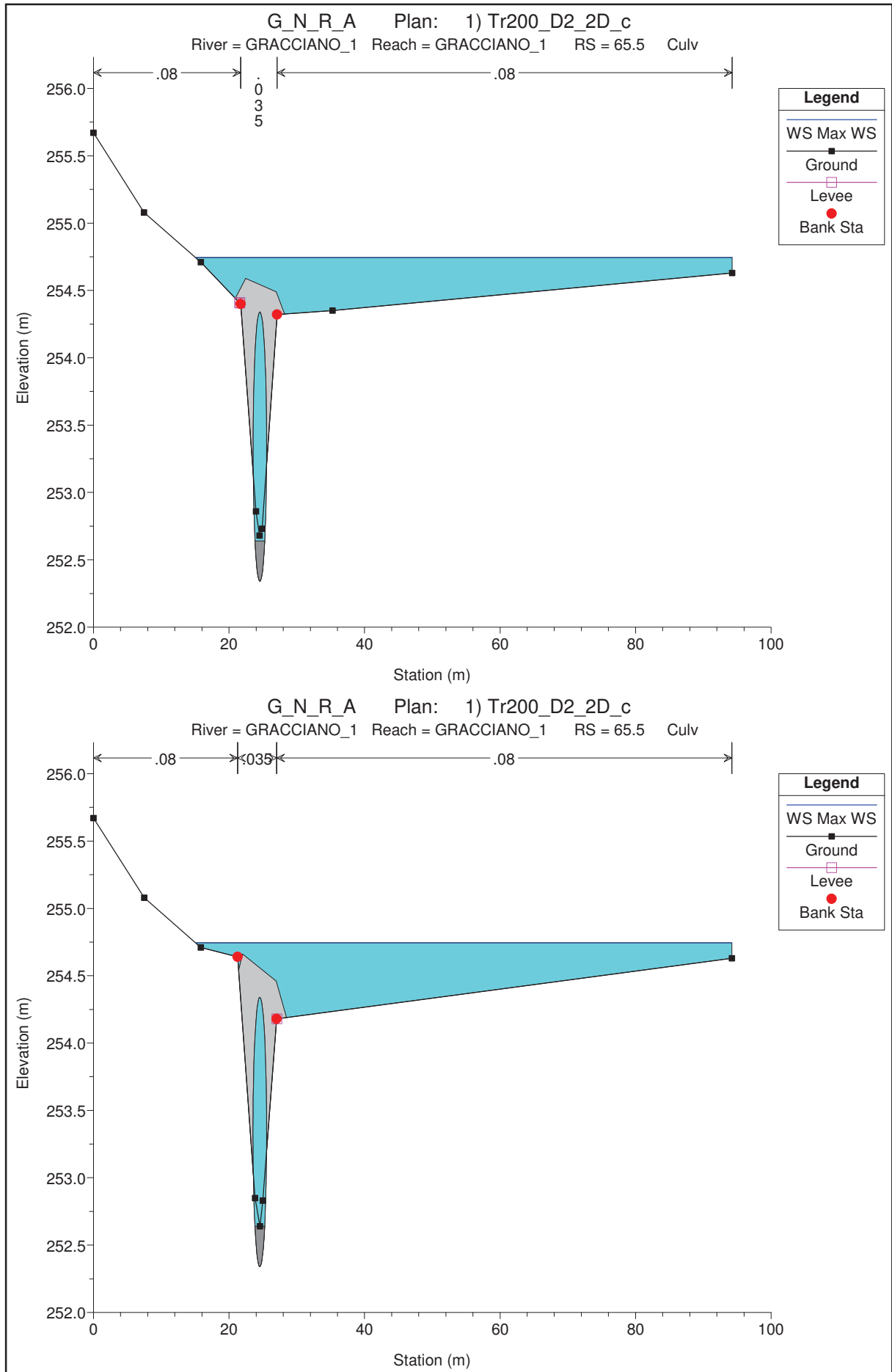


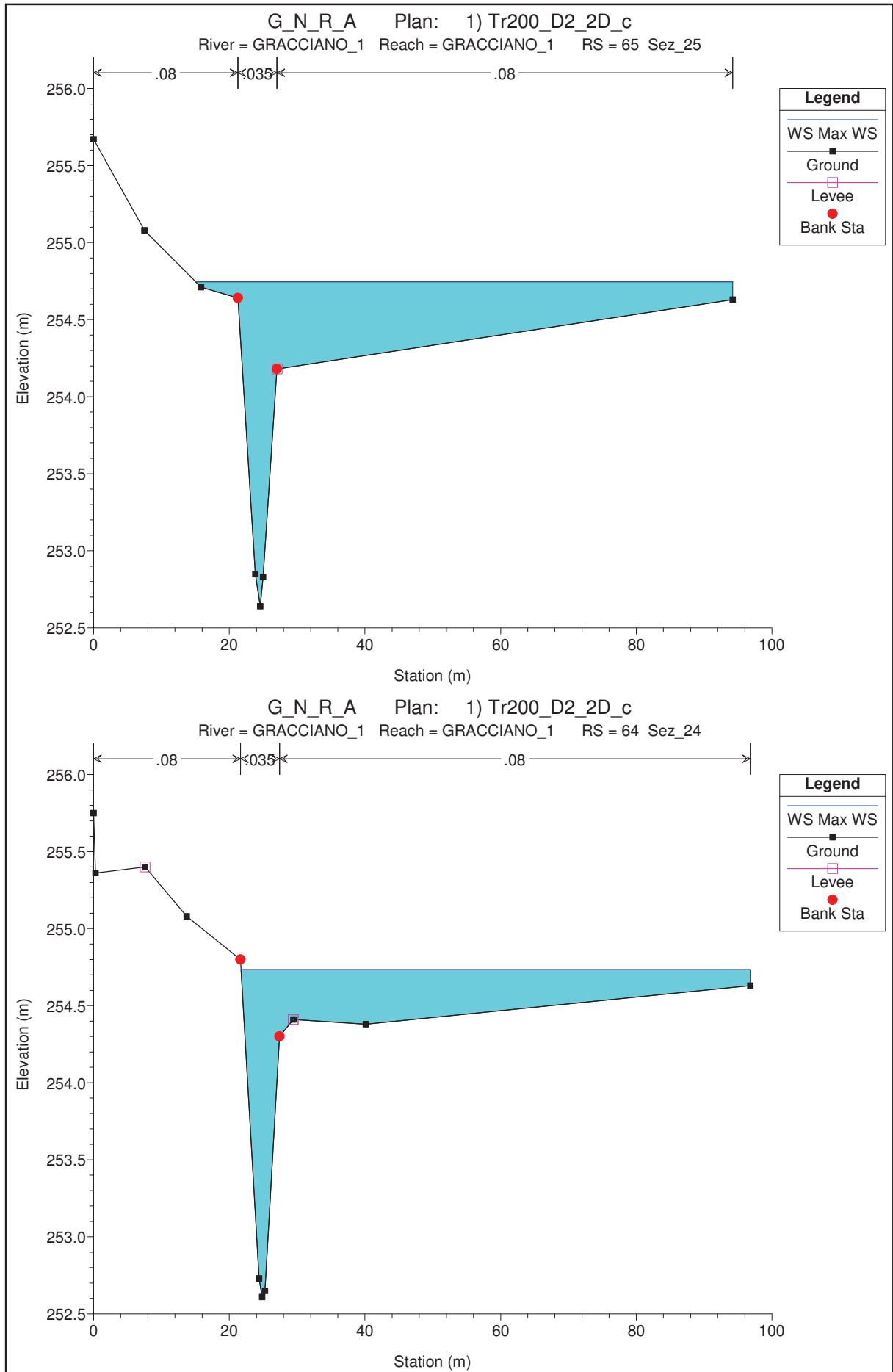


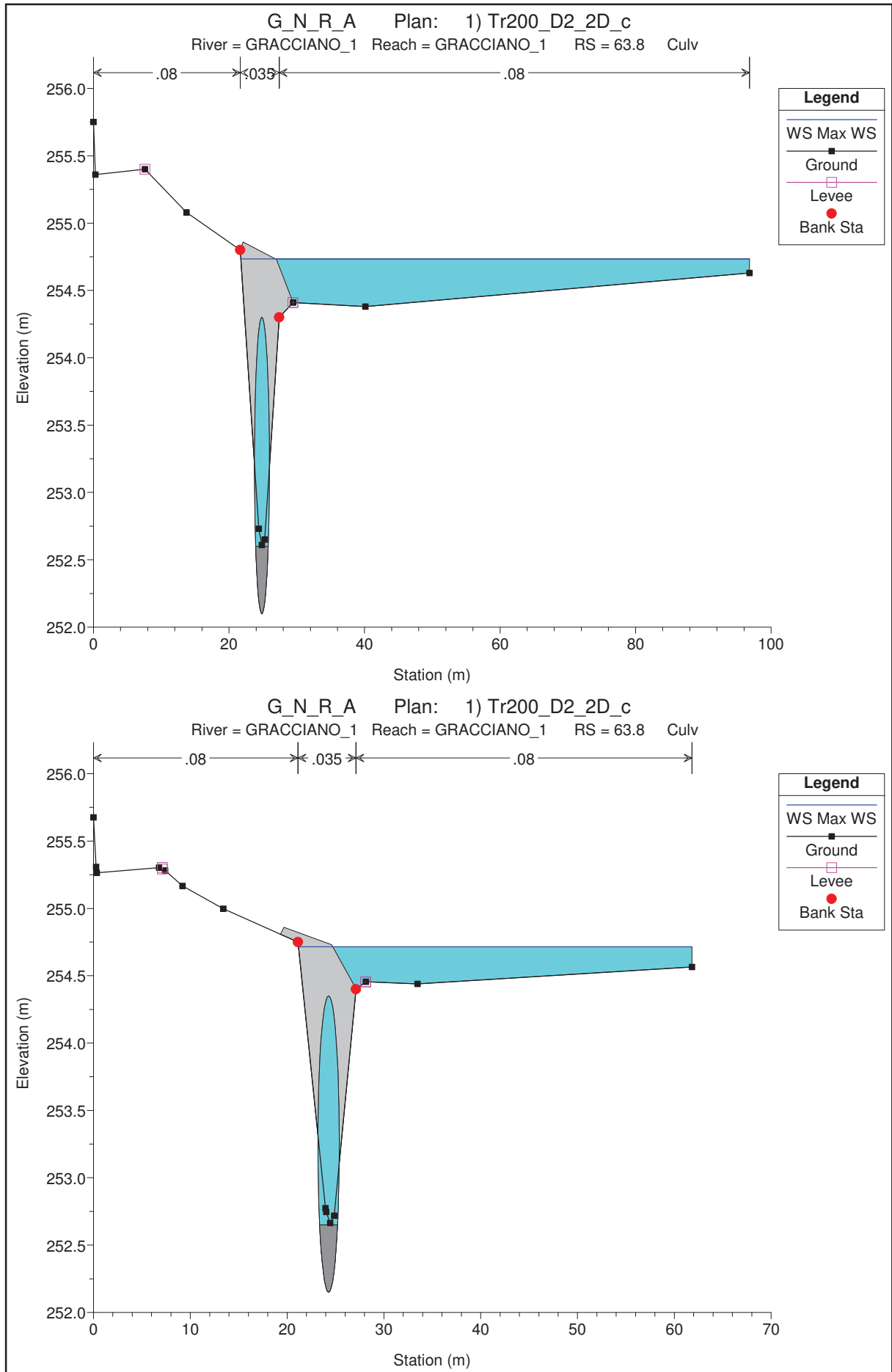


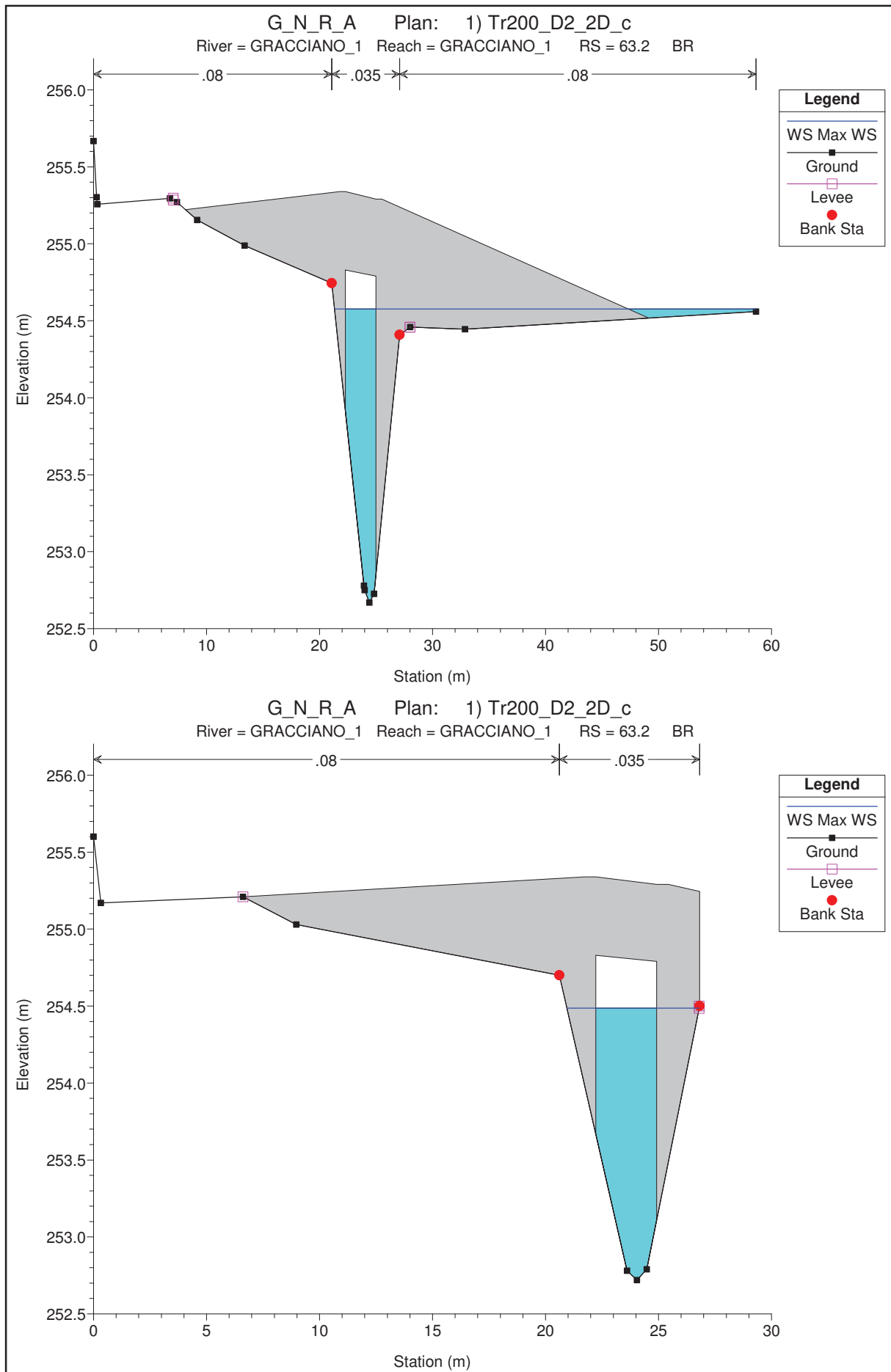


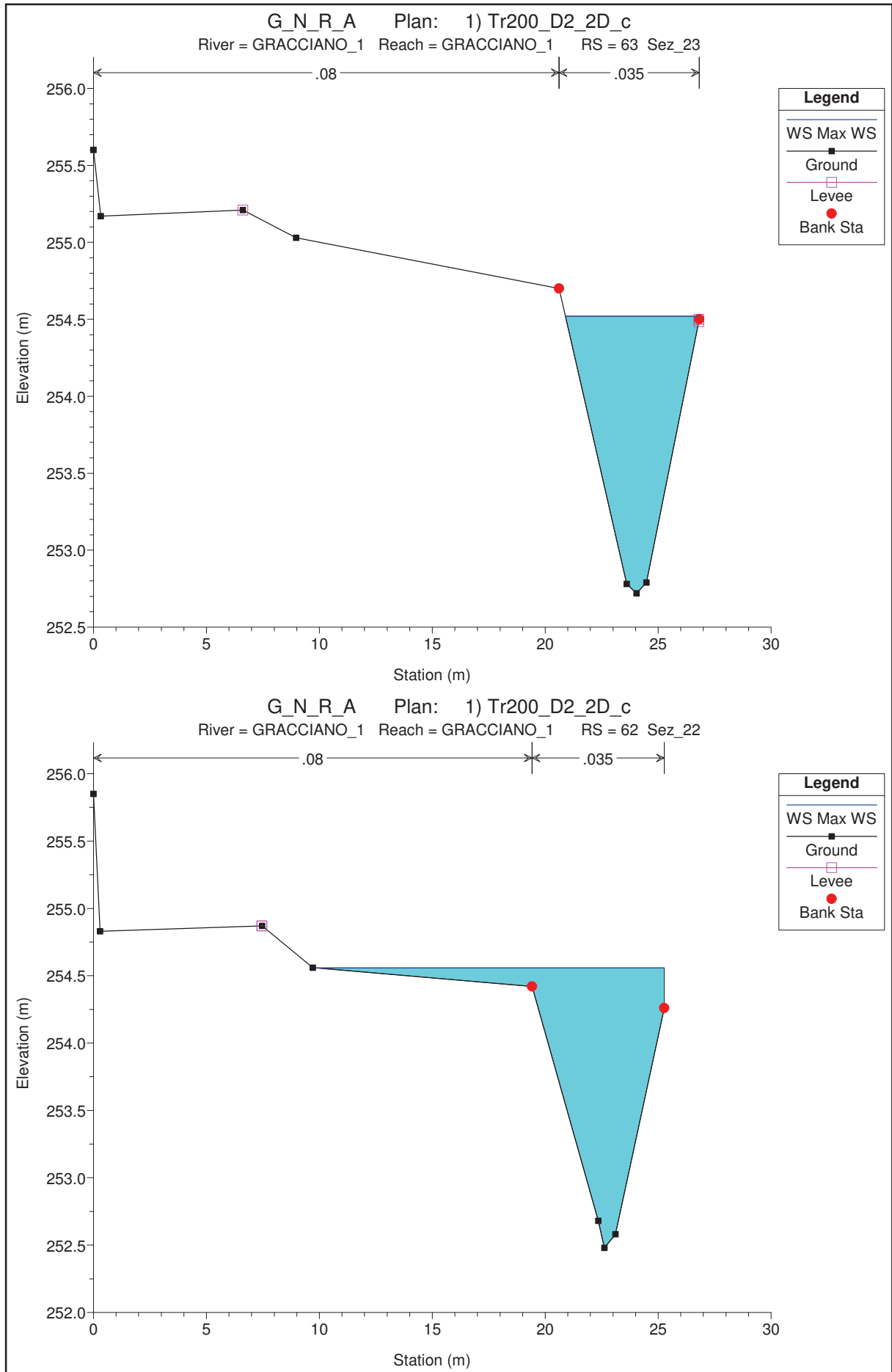


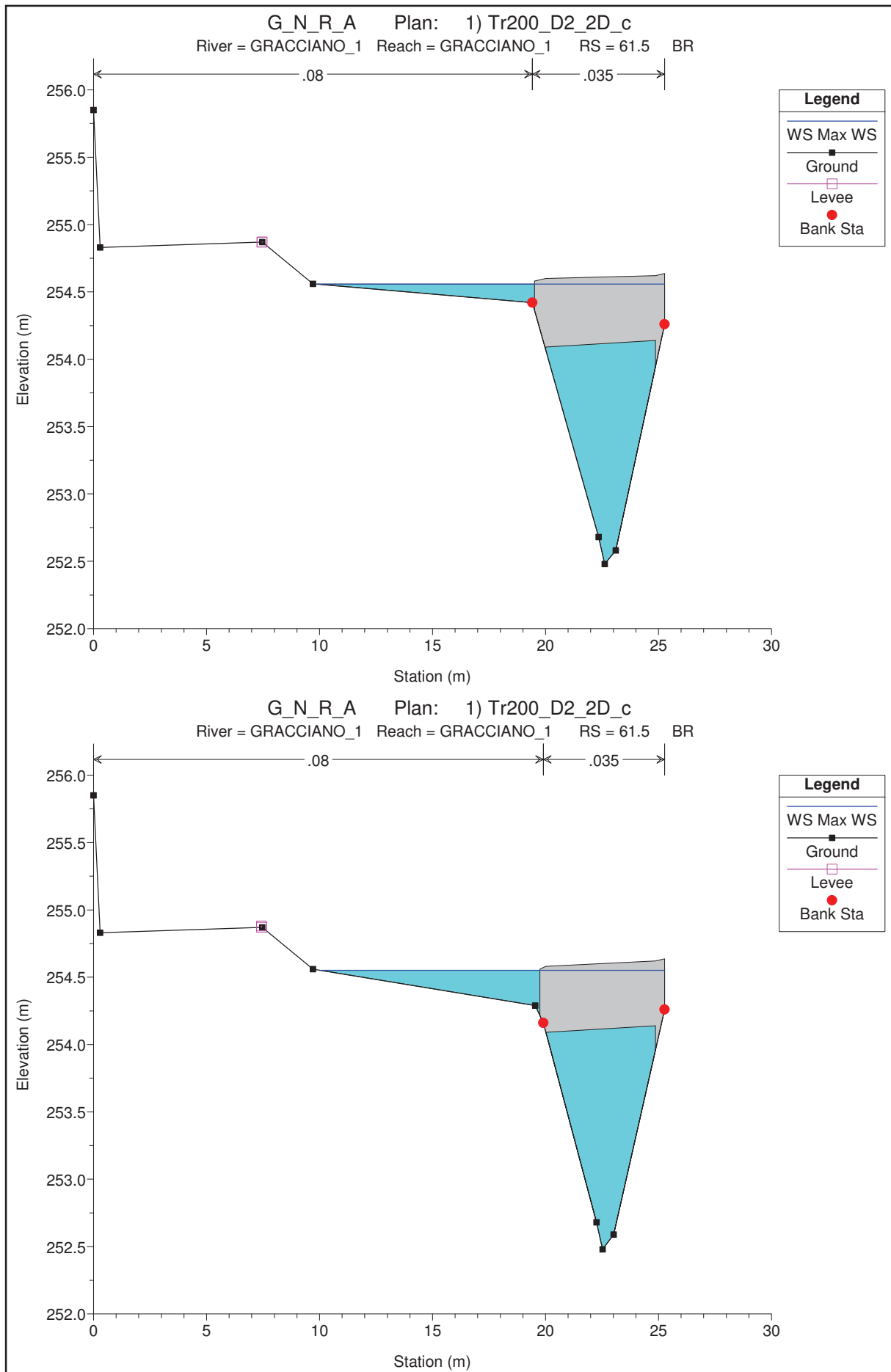


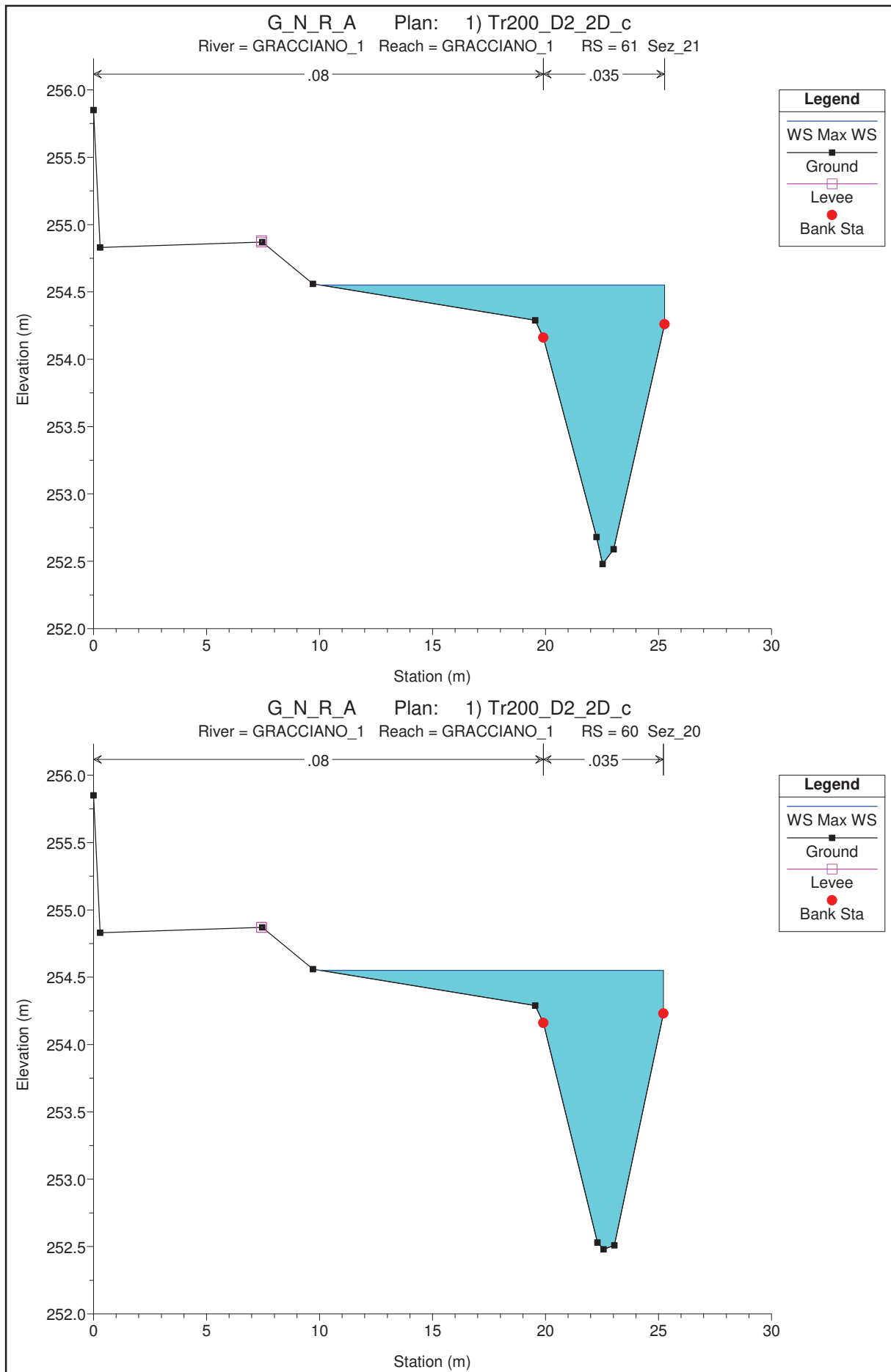


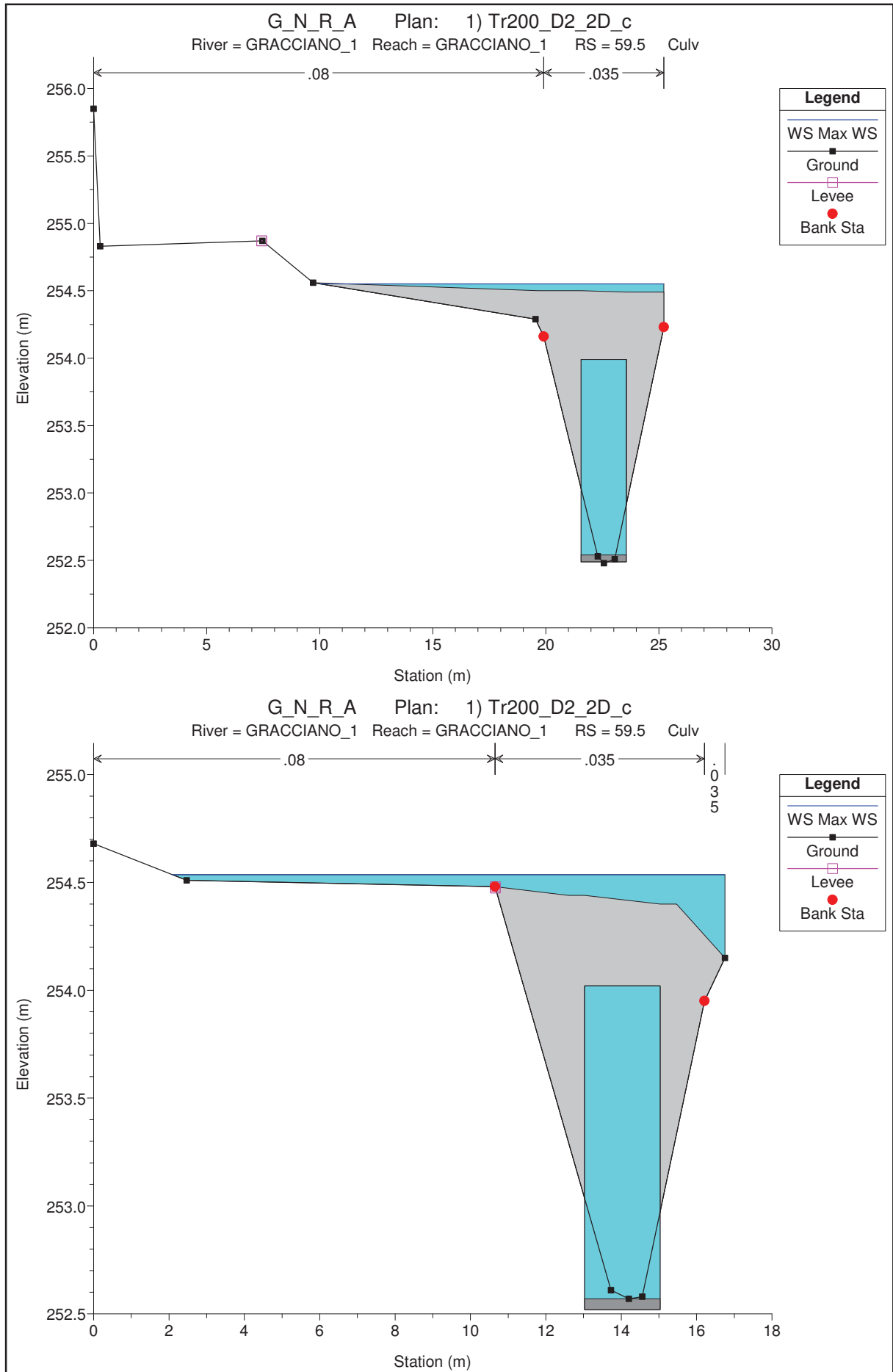


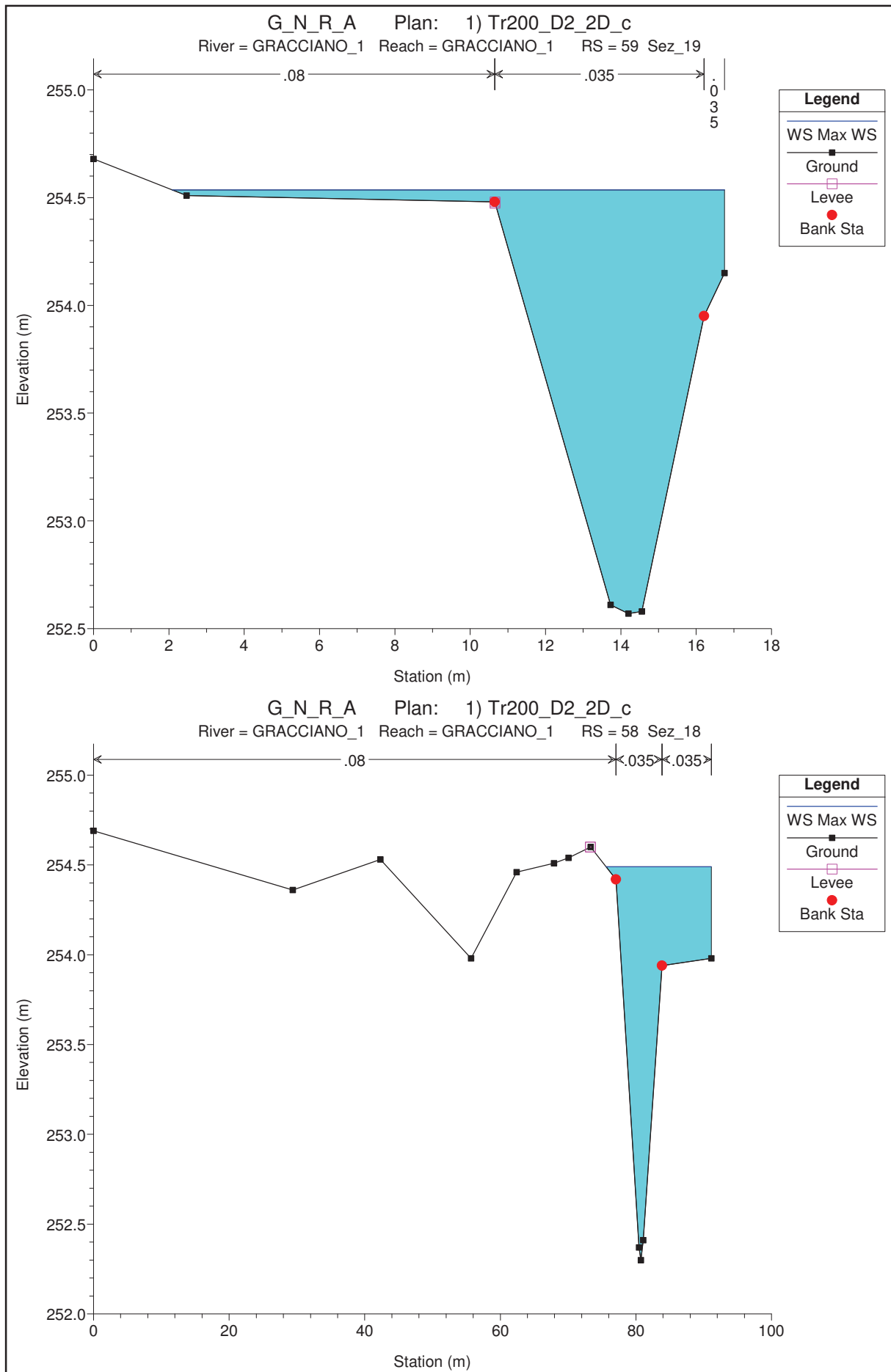


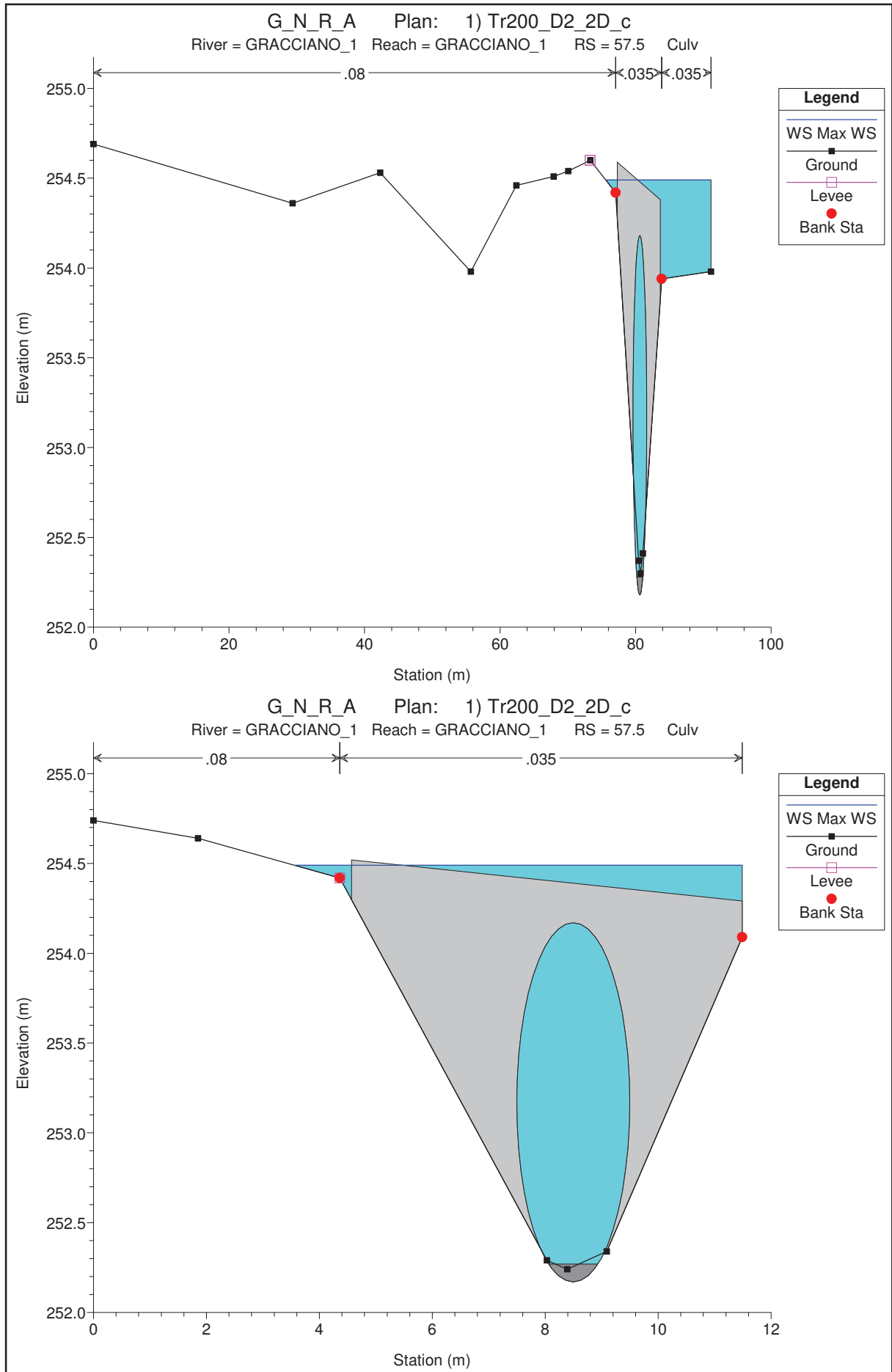


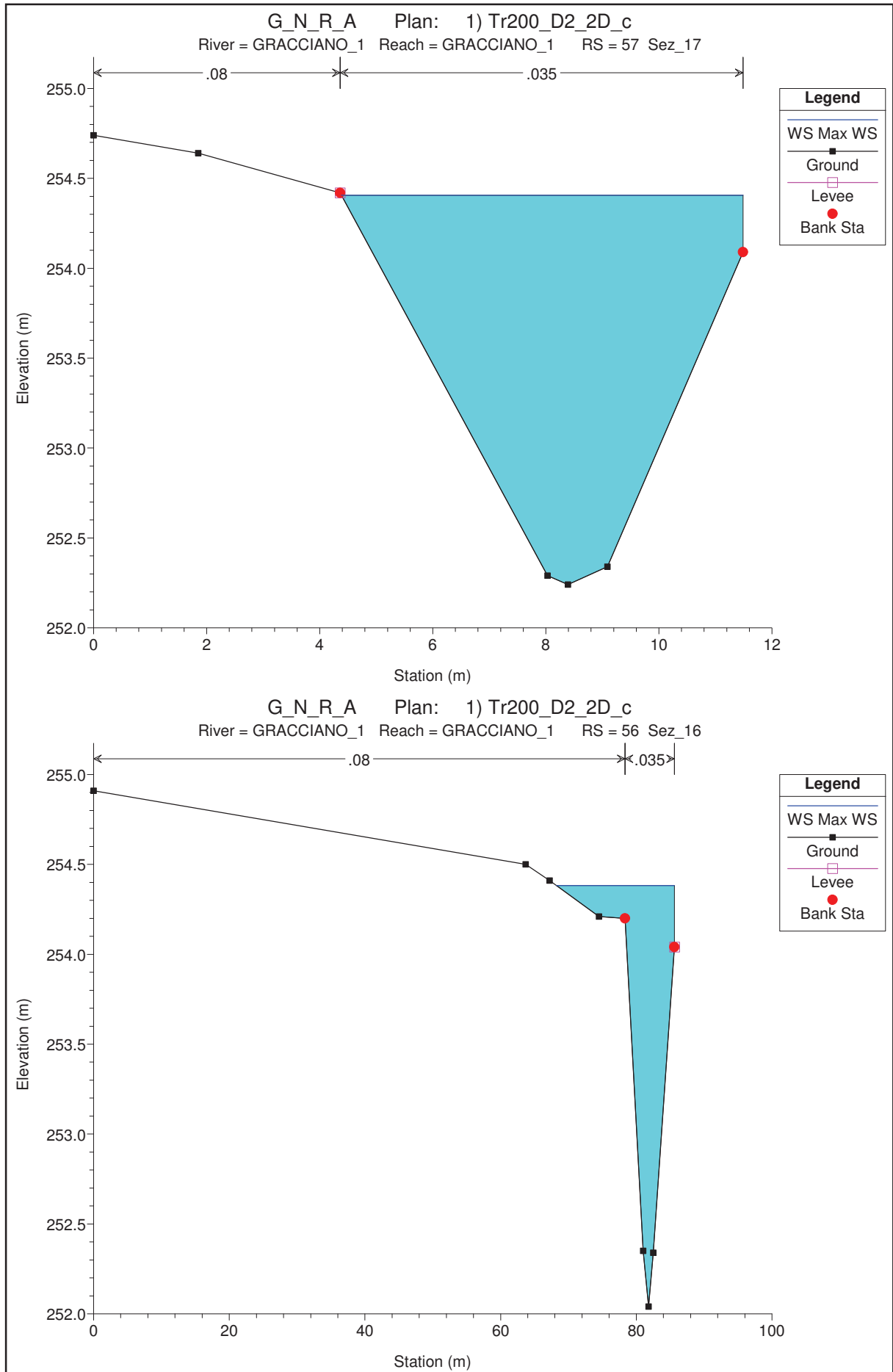


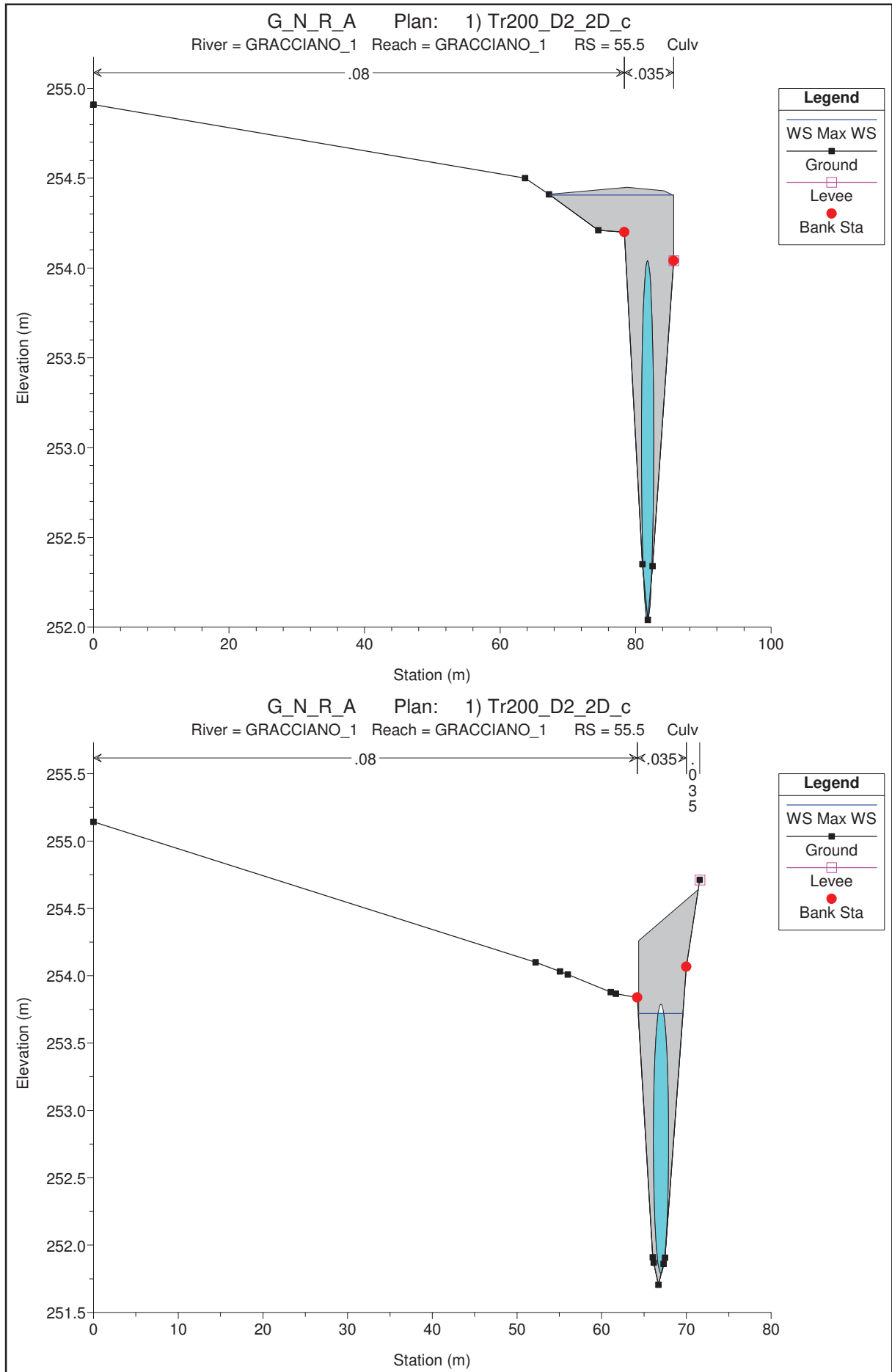


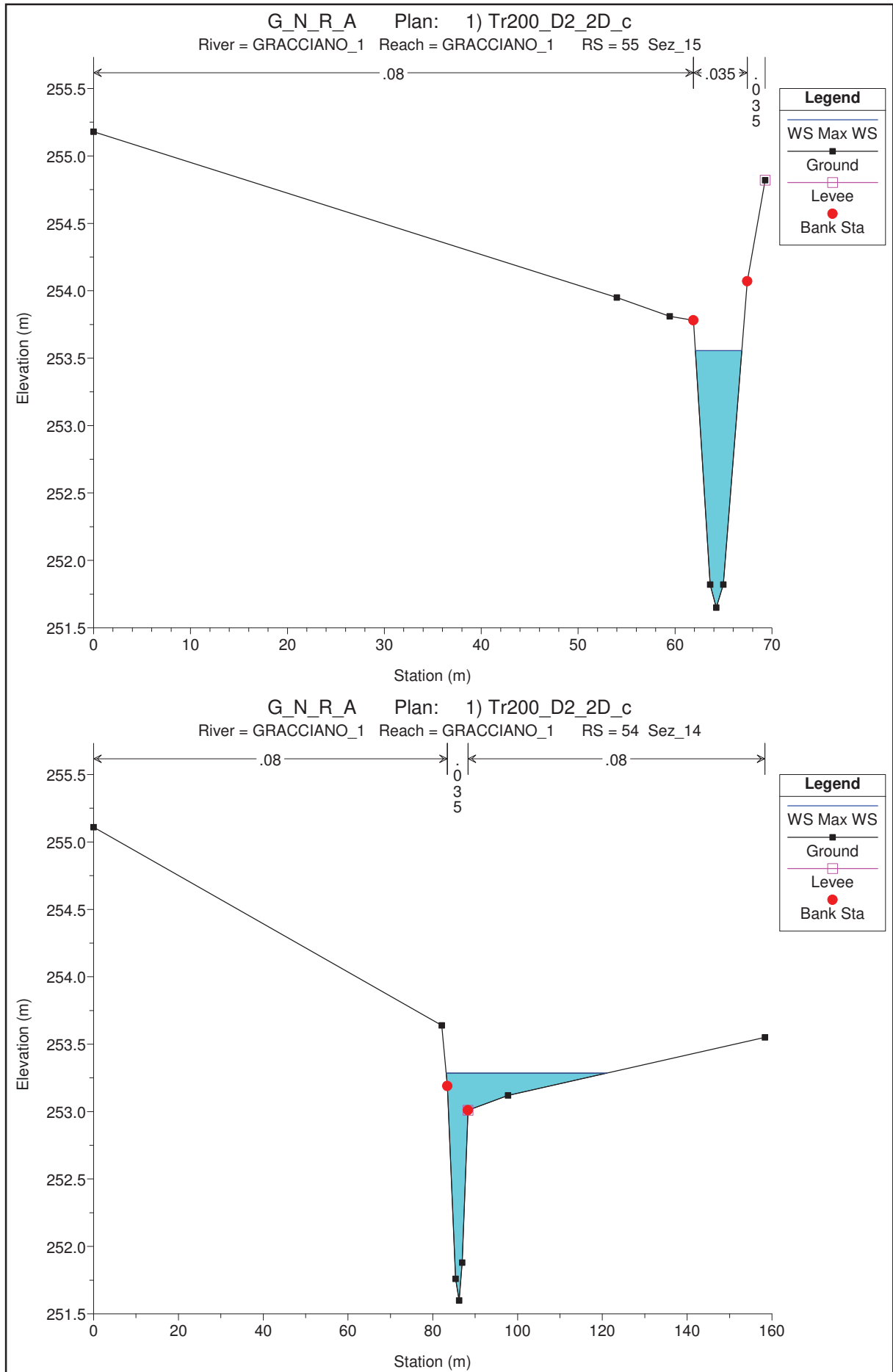


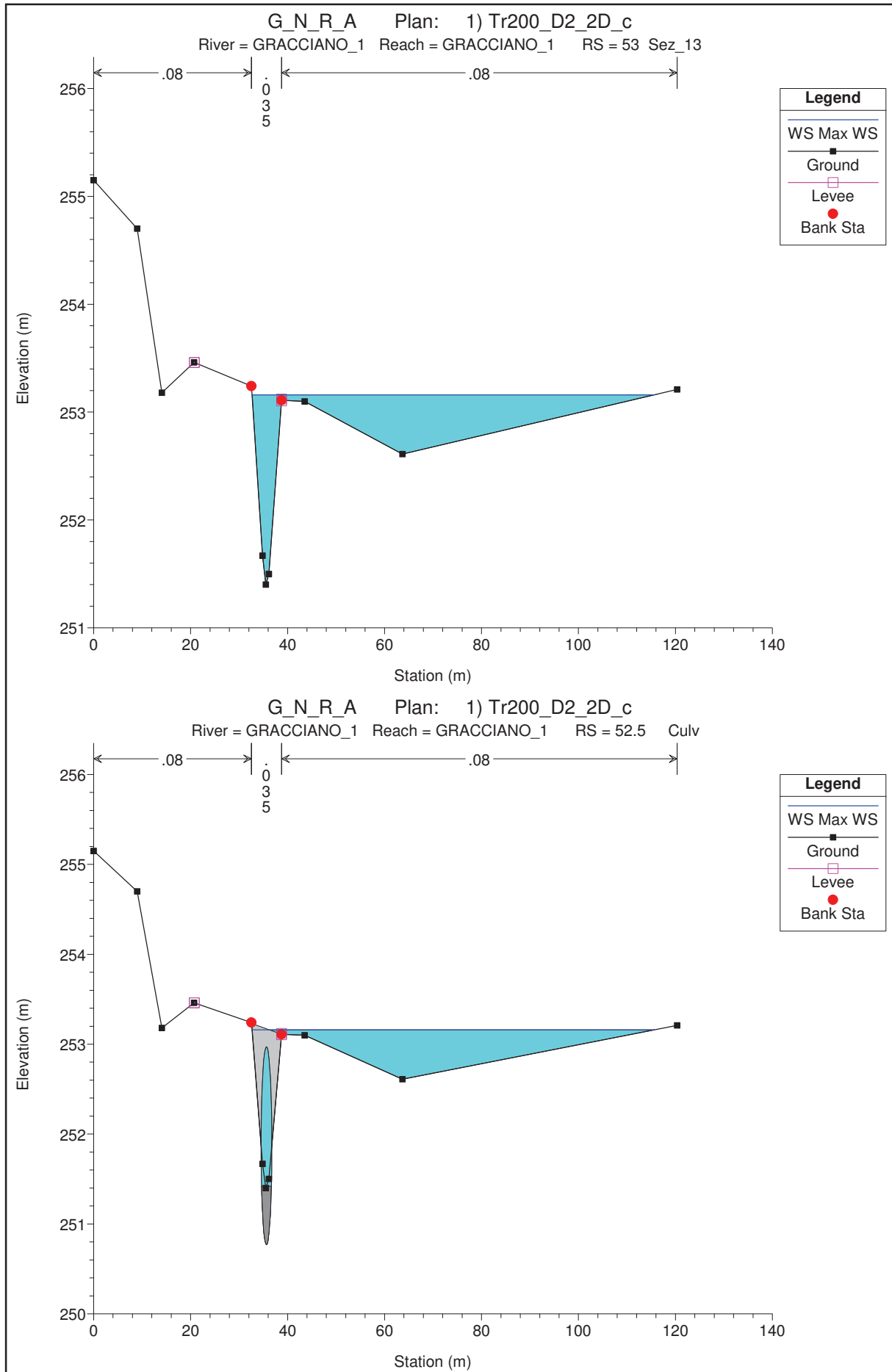


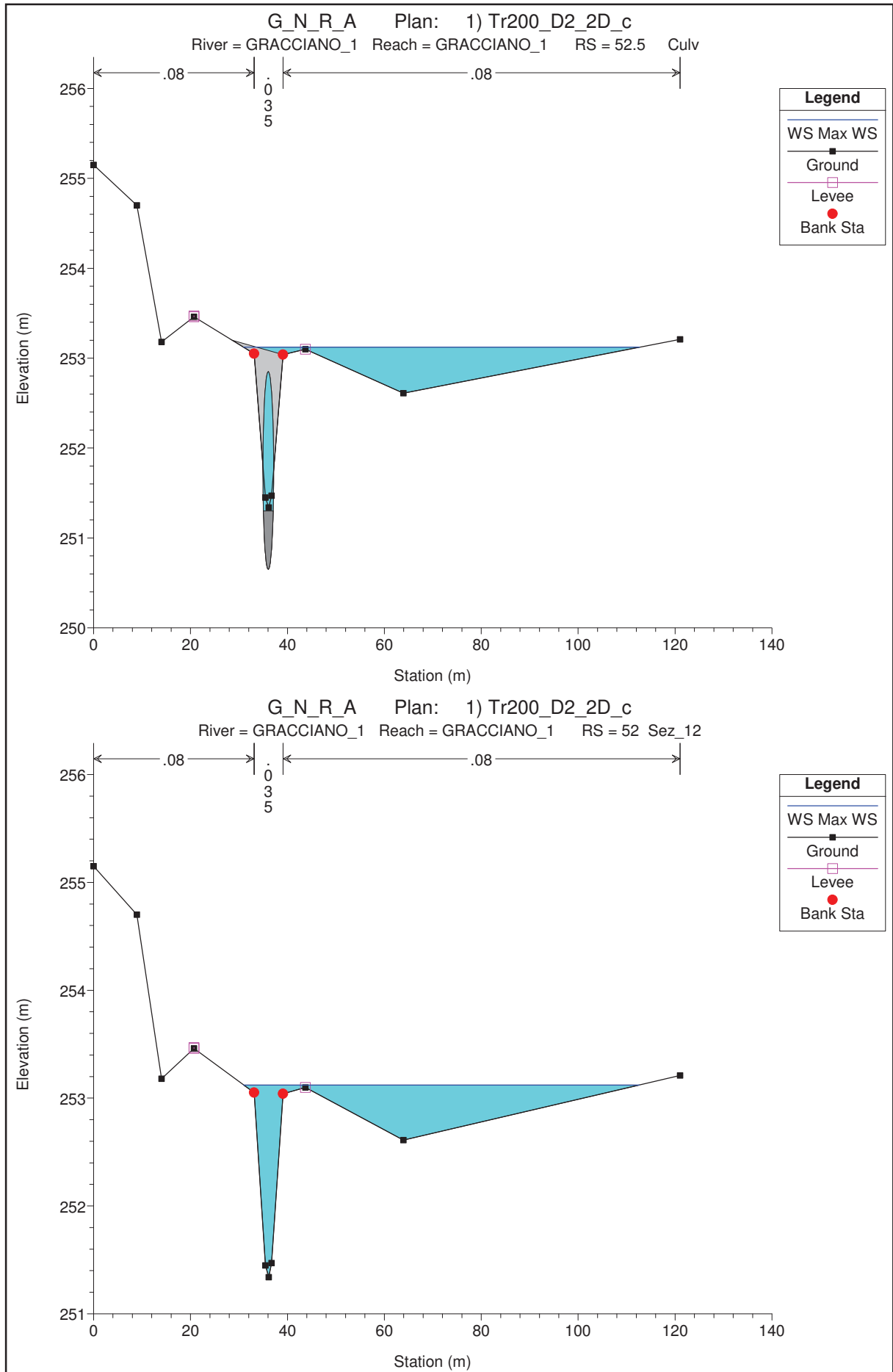


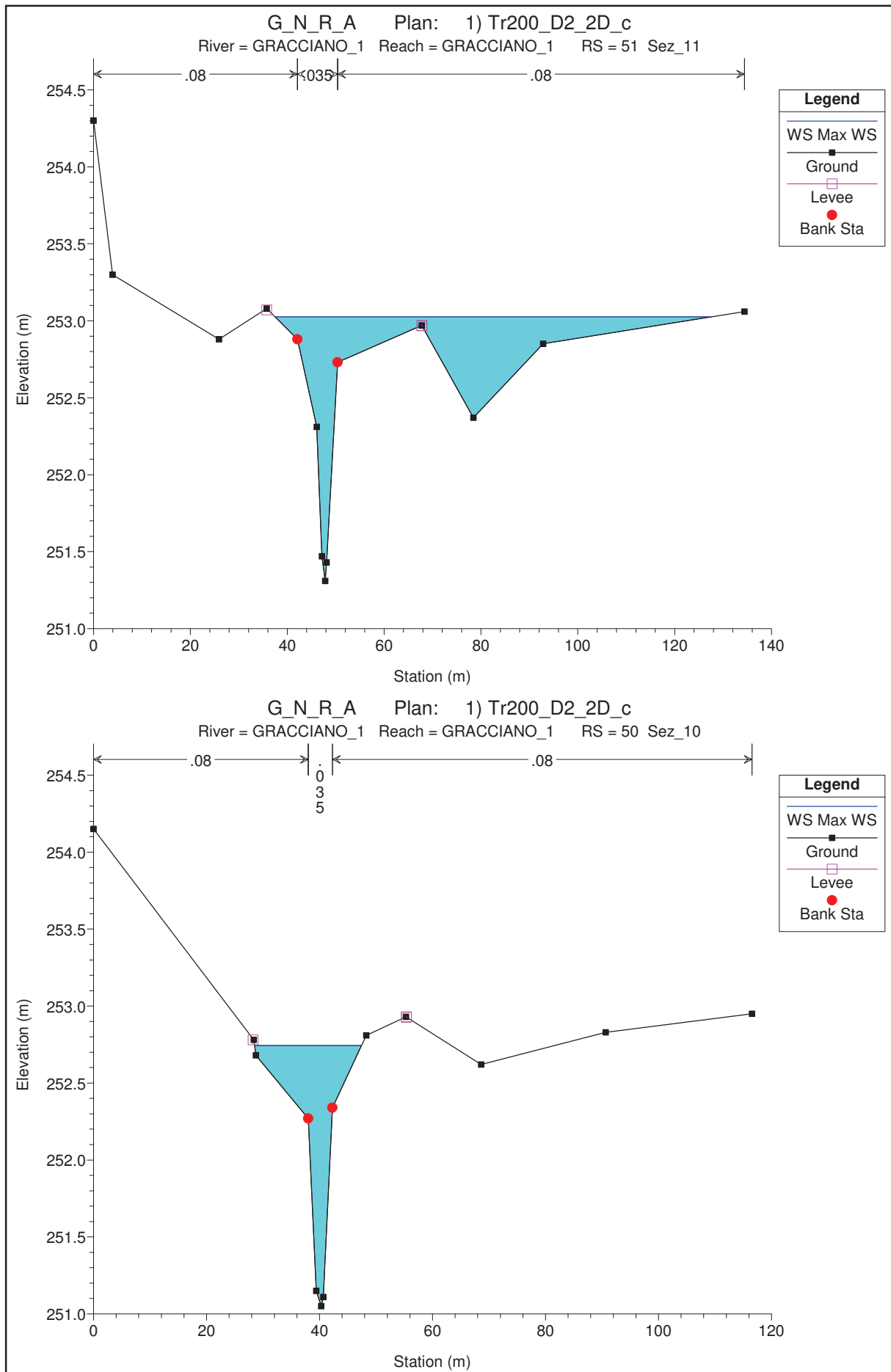


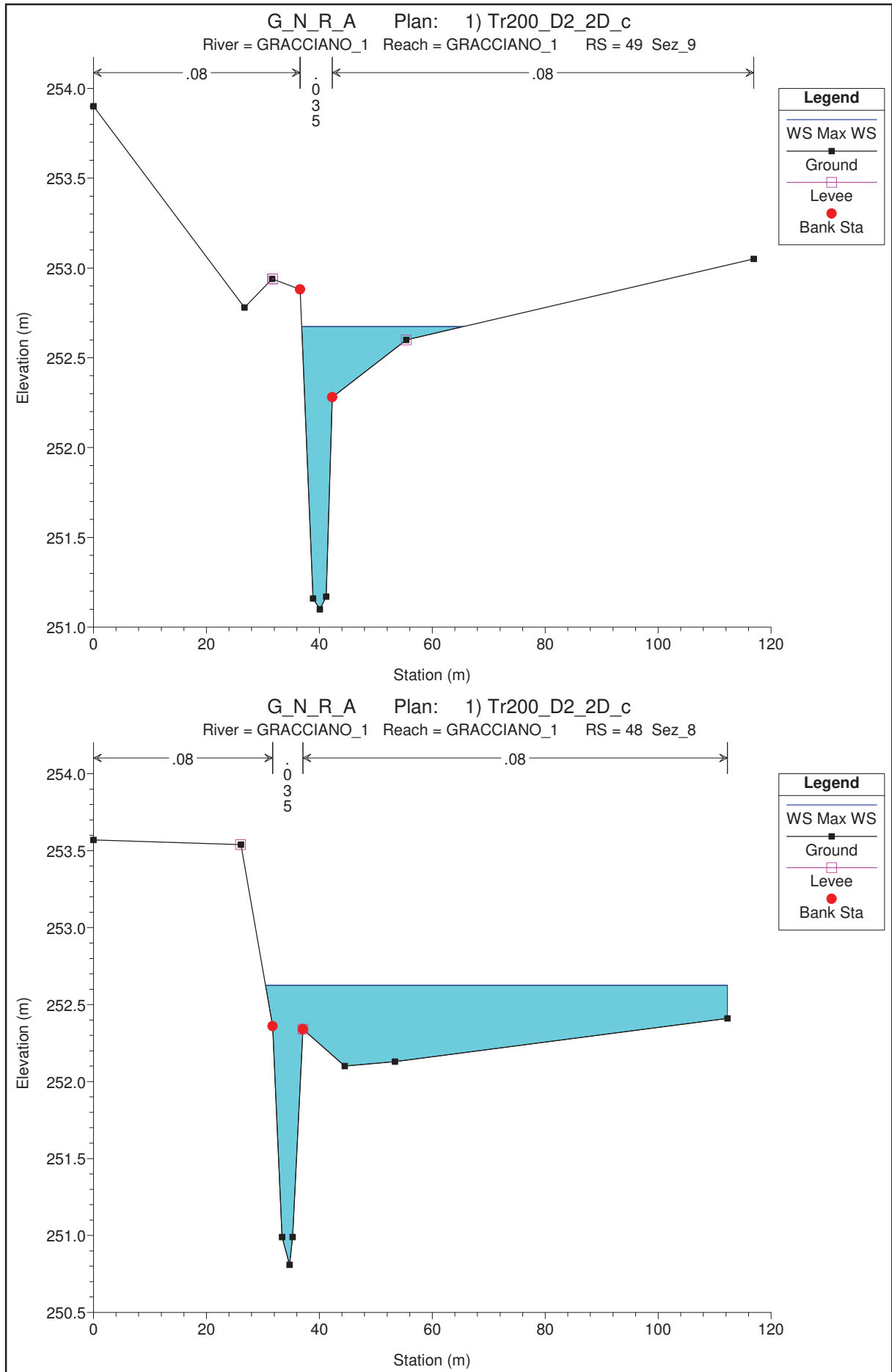


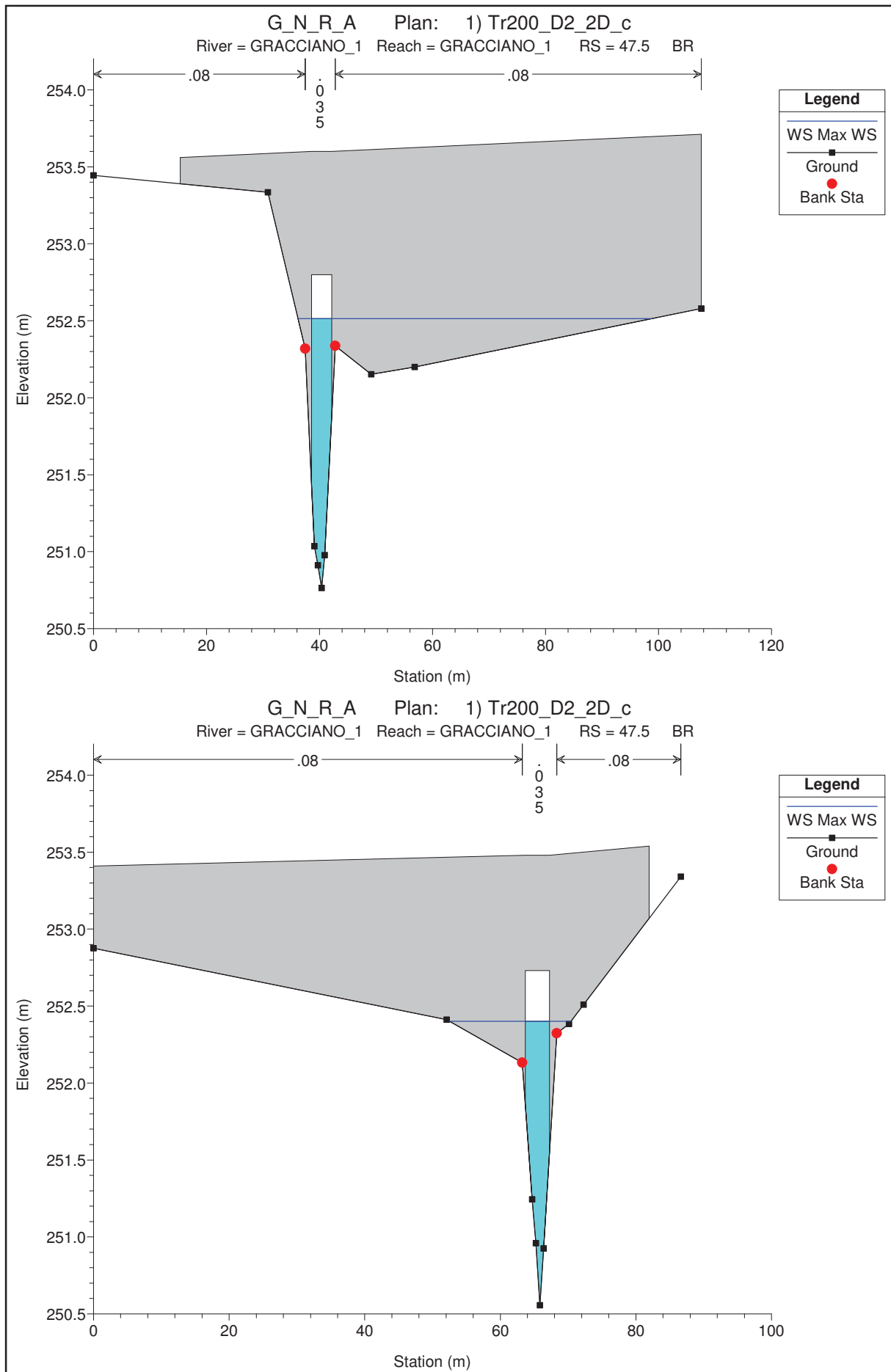


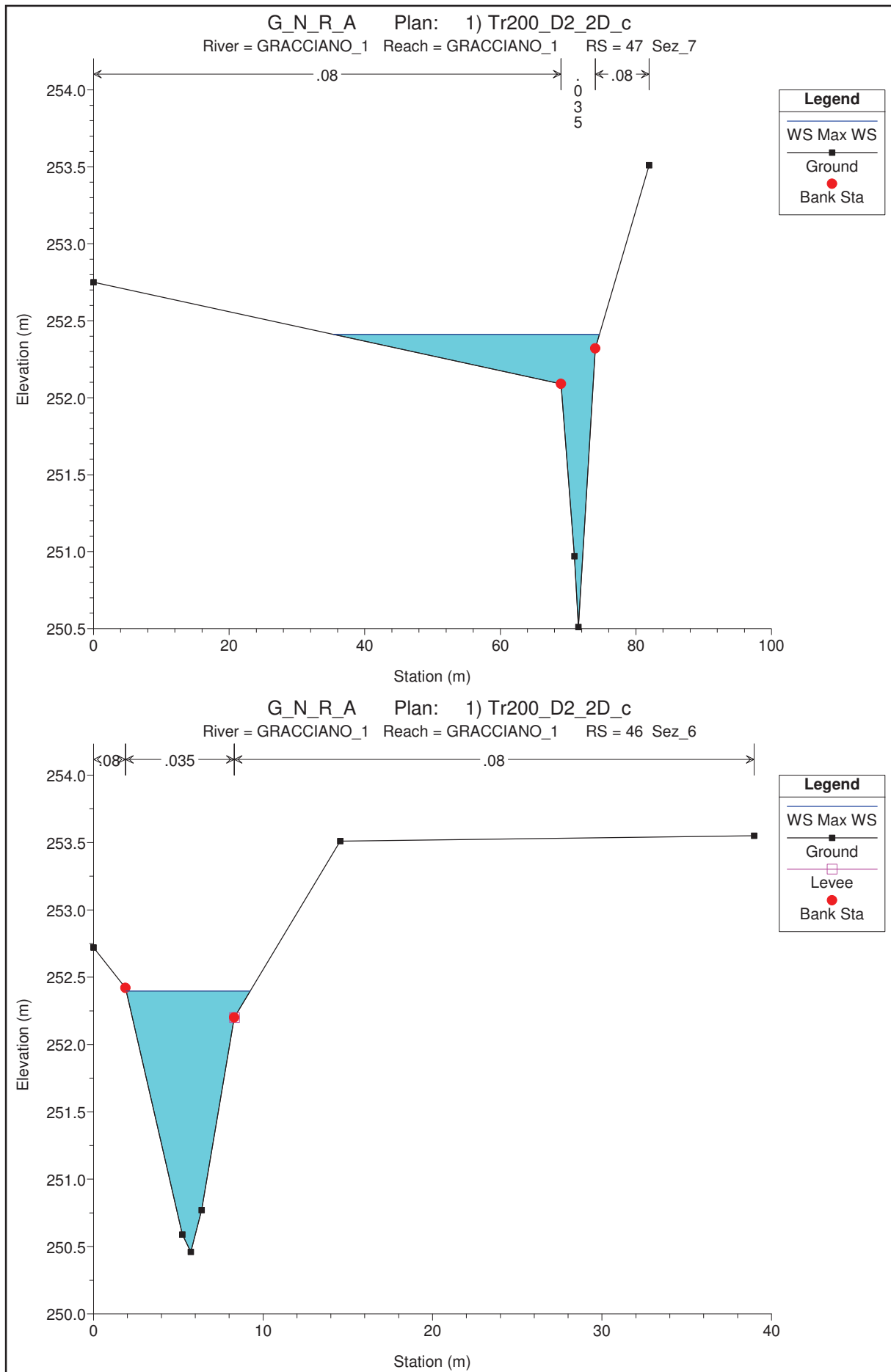


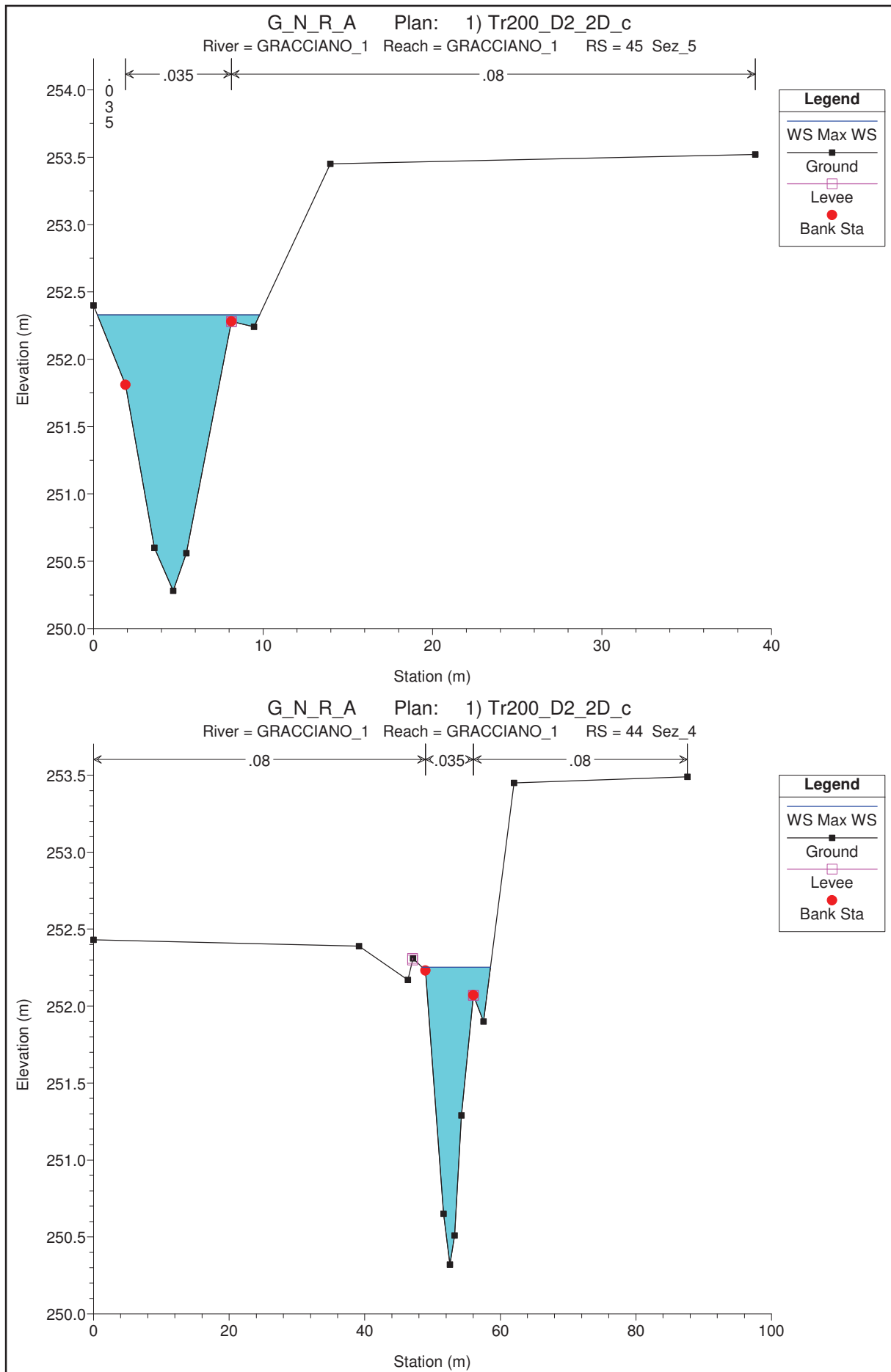


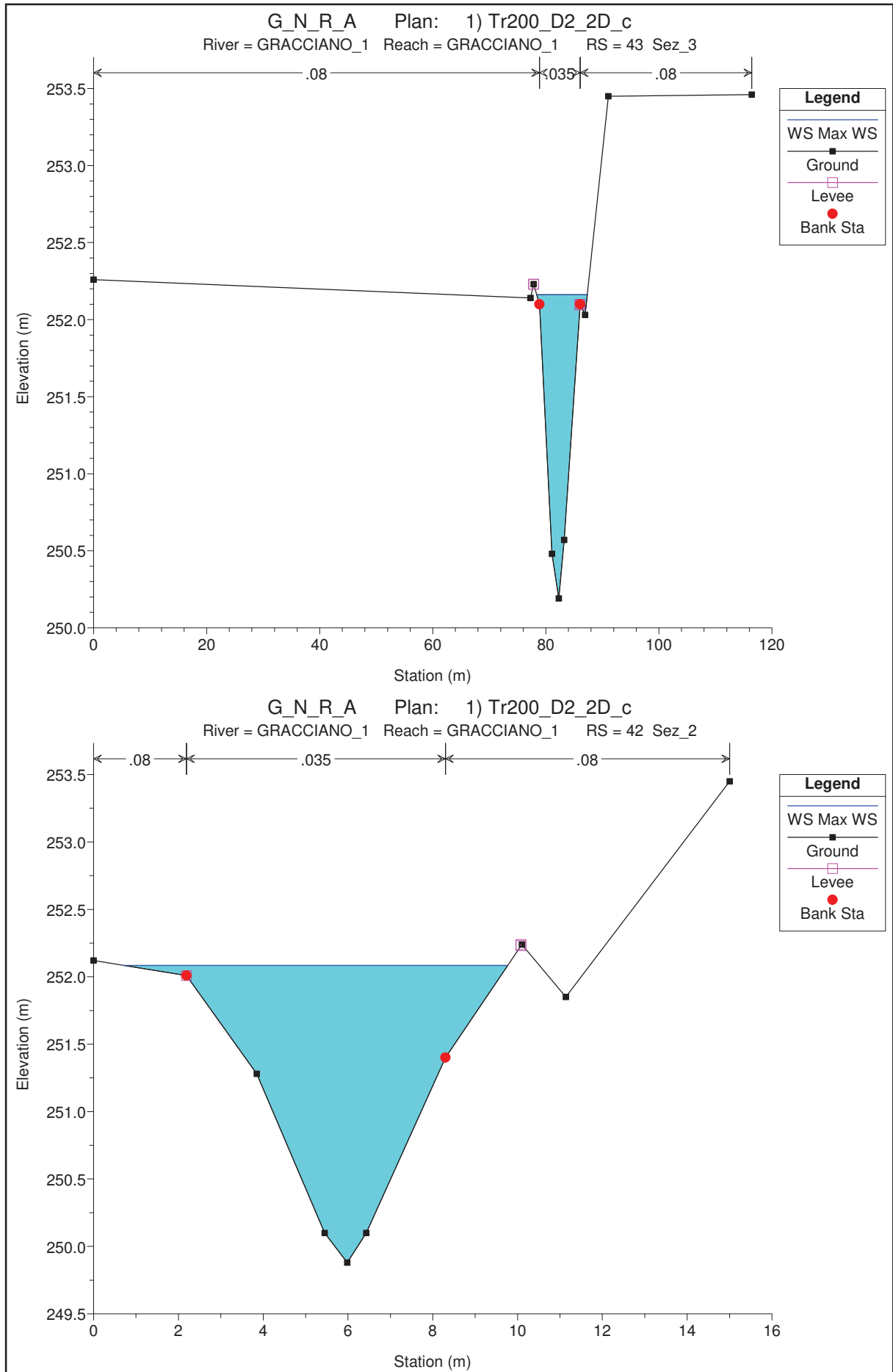


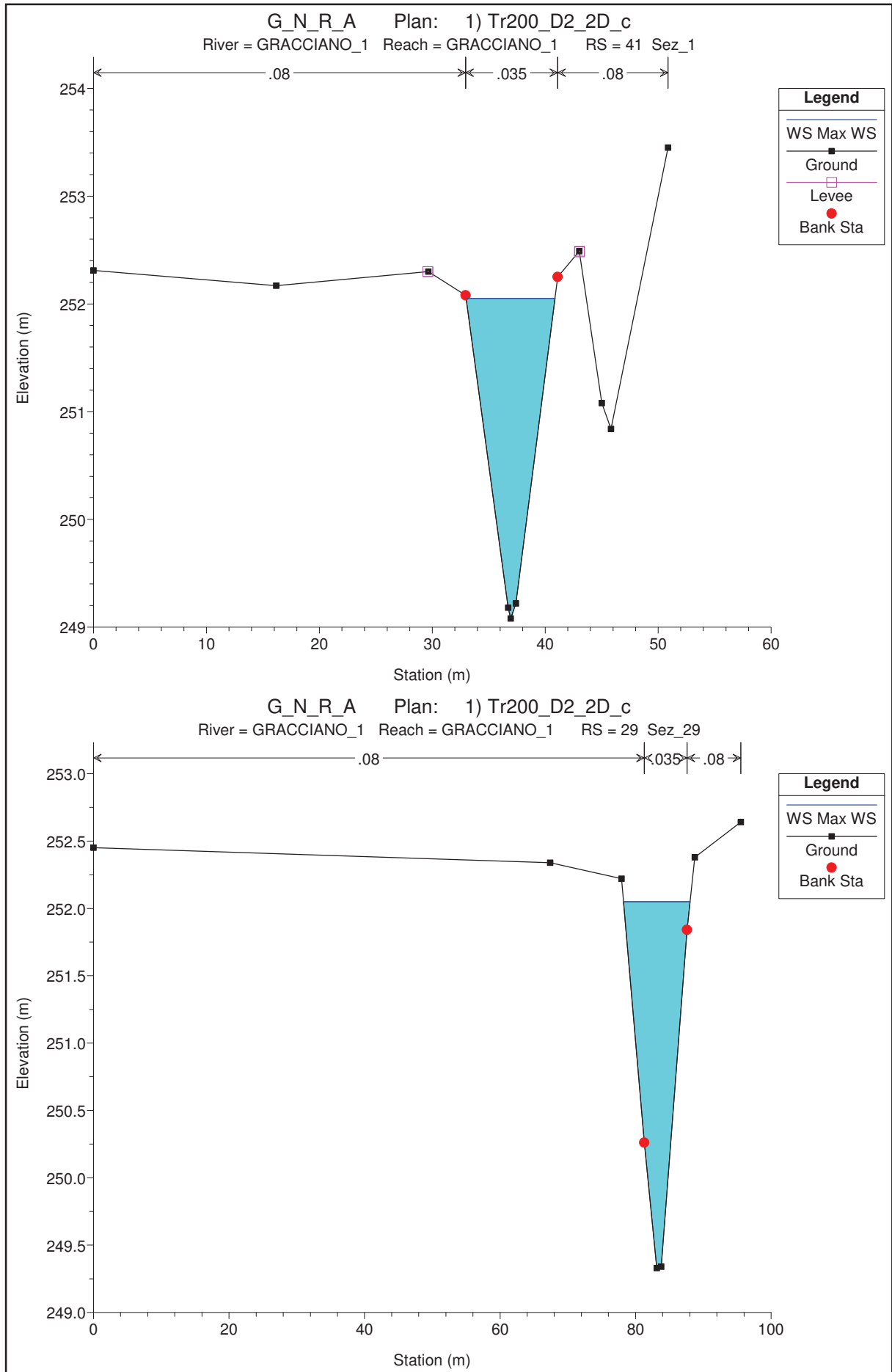














ALLEGATI

MODELLAZIONE HEC-RAS 5.0.3 "Montepulciano stazione"

DOCCIA DI GRACCIANO

MODELLAZIONE PER TR=30 anni

DURATE DI PIOGGIA: 2h

Dati idraulici

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)		
GRACCIANO_1	87	Max WS	8.90	260.75	262.35		262.54	0.007811	2.12	6.77	13.85	0.67	
GRACCIANO_1	86.7		Lat Struct										
GRACCIANO_1	86	Max WS	8.72	260.12	261.90		261.97	0.002584	1.33	15.82	58.79	0.41	
GRACCIANO_1	85.8		Lat Struct										
GRACCIANO_1	85	Max WS	8.71	259.58	261.85	260.86	261.86	0.000406	0.70	33.26	65.99	0.17	
GRACCIANO_1	84.5		Bridge										
GRACCIANO_1	84	Max WS	8.71	259.40	261.12	260.96	261.38	0.010963	2.29	3.90	8.16	0.79	
GRACCIANO_1	83	Max WS	8.71	258.70	260.33		260.53	0.007344	2.01	4.33	4.74	0.67	
GRACCIANO_1	82	Max WS	7.95	258.04	259.59		259.76	0.006560	1.82	4.36	5.26	0.64	
GRACCIANO_1	81	Max WS	8.69	257.24	258.94		259.04	0.005449	1.65	12.52	49.36	0.55	
GRACCIANO_1	80	Max WS	8.50	256.83	258.38		258.68	0.011546	2.41	3.53	3.79	0.80	
GRACCIANO_1	79.5		Bridge										
GRACCIANO_1	79	Max WS	8.50	256.34	258.06		258.30	0.008705	2.16	3.94	4.08	0.70	
GRACCIANO_1	78.5		Lat Struct										
GRACCIANO_1	78	Max WS	8.34	255.78	257.73		257.85	0.003472	1.53	5.48	5.20	0.46	
GRACCIANO_1	77.9		Lat Struct										
GRACCIANO_1	77.6		Lat Struct										
GRACCIANO_1	77	Max WS	7.39	255.67	257.64	256.86	257.65	0.000379	0.55	36.51	77.47	0.15	
GRACCIANO_1	76.5		Bridge										
GRACCIANO_1	76	Max WS	7.39	255.31	256.86		256.96	0.003468	1.41	5.26	6.09	0.48	
GRACCIANO_1	75	Max WS	7.45	254.87	256.63		256.70	0.001830	1.21	6.42	6.61	0.36	
GRACCIANO_1	74	Max WS	7.51	254.42	256.52		256.55	0.000680	0.77	10.35	32.62	0.23	
GRACCIANO_1	73.5		Culvert										
GRACCIANO_1	73	Max WS	7.51	254.40	256.14		256.19	0.001467	1.03	7.29	7.05	0.32	
GRACCIANO_1	72	Max WS	7.52	254.28	256.09		256.16	0.002198	1.20	6.72	10.06	0.39	
GRACCIANO_1	71	Max WS	7.57	254.01	256.00		256.02	0.000621	0.80	16.42	40.53	0.22	
GRACCIANO_1	70.4		Lat Struct										
GRACCIANO_1	70	Max WS	6.52	253.49	255.93		255.95	0.000260	0.55	16.82	25.45	0.14	
GRACCIANO_1	69.5		Culvert										
GRACCIANO_1	69	Max WS	6.49	253.40	255.25		255.30	0.001263	0.95	6.83	6.45	0.29	
GRACCIANO_1	68.99		Lat Struct										
GRACCIANO_1	68	Max WS	5.93	253.19	255.17		255.20	0.000543	0.68	11.52	25.11	0.20	
GRACCIANO_1	67.5		Culvert										
GRACCIANO_1	67	Max WS	6.98	252.88	254.82		254.88	0.001958	1.19	11.37	54.38	0.35	
GRACCIANO_1	66.55		Lat Struct										
GRACCIANO_1	66	Max WS	6.70	252.68	254.70		254.72	0.000578	0.72	23.25	78.31	0.20	
GRACCIANO_1	65.5		Culvert										
GRACCIANO_1	65	Max WS	6.70	252.64	254.70		254.72	0.000428	0.61	27.45	77.97	0.18	
GRACCIANO_1	64.9		Lat Struct										
GRACCIANO_1	64	Max WS	6.12	252.61	254.69		254.71	0.000548	0.67	21.19	75.03	0.19	
GRACCIANO_1	63.8		Culvert										
GRACCIANO_1	63.48		Lat Struct										
GRACCIANO_1	63.2		Bridge										
GRACCIANO_1	63	Max WS	5.89	252.72	254.46		254.52	0.001761	1.05	5.60	5.78	0.34	
GRACCIANO_1	62.9		Lat Struct										
GRACCIANO_1	62	Max WS	4.78	252.48	254.42	253.55	254.45	0.000921	0.78	6.11	5.84	0.24	
GRACCIANO_1	61.5		Bridge										
GRACCIANO_1	61	Max WS	4.68	252.48	254.35		254.38	0.001029	0.83	5.73	7.88	0.26	
GRACCIANO_1	60.5		Lat Struct										
GRACCIANO_1	60	Max WS	4.65	252.48	254.35		254.38	0.000856	0.78	6.05	7.95	0.24	
GRACCIANO_1	59.5		Culvert										
GRACCIANO_1	59	Max WS	4.54	252.57	254.19		254.23	0.001364	0.92	4.98	5.62	0.30	
GRACCIANO_1	58.9		Lat Struct										
GRACCIANO_1	58	Max WS	5.27	252.30	254.18		254.21	0.000721	0.72	8.31	13.68	0.23	
GRACCIANO_1	57.5		Culvert										
GRACCIANO_1	57	Max WS	5.26	252.24	254.00		254.03	0.001084	0.85	6.22	6.28	0.27	
GRACCIANO_1	56.4		Lat Struct										
GRACCIANO_1	56	Max WS	6.00	252.04	253.92		253.96	0.001203	0.90	6.66	6.67	0.29	
GRACCIANO_1	55.5		Culvert										
GRACCIANO_1	55	Max WS	6.01	251.65	253.41		253.49	0.002527	1.25	4.79	4.50	0.39	
GRACCIANO_1	54	Max WS	6.04	251.60	253.21		253.28	0.002330	1.21	6.64	26.38	0.39	
GRACCIANO_1	53	Max WS	6.08	251.40	253.11		253.17	0.001780	1.06	5.74	6.02	0.35	
GRACCIANO_1	52.5		Culvert										
GRACCIANO_1	52	Max WS	6.05	251.34	253.04		253.09	0.001737	1.05	5.76	5.95	0.34	
GRACCIANO_1	51	Max WS	6.06	251.31	252.90		252.96	0.002496	1.05	6.74	21.46	0.40	
GRACCIANO_1	50	Max WS	6.12	251.05	252.62		252.70	0.002168	1.25	6.52	15.73	0.38	
GRACCIANO_1	49	Max WS	6.14	251.10	252.57		252.62	0.001597	1.06	7.27	17.08	0.33	
GRACCIANO_1	48.4		Lat Struct										
GRACCIANO_1	48	Max WS	5.87	250.81	252.52		252.53	0.000466	0.59	26.46	81.27	0.18	
GRACCIANO_1	47.5		Bridge										
GRACCIANO_1	47	Max WS	5.31	250.51	252.29		252.35	0.002127	1.10	6.72	26.10	0.37	
GRACCIANO_1	46	Max WS	5.31	250.46	252.29		252.33	0.001125	0.86	6.16	6.61	0.28	
GRACCIANO_1	45	Max WS	5.35	250.28	252.22		252.25	0.000638	0.73	7.52	7.47	0.21	
GRACCIANO_1	44	Max WS	5.40	250.32	252.14		252.17	0.000986	0.81	6.99	9.12	0.26	
GRACCIANO_1	43	Max WS	5.45	250.19	252.05		252.08	0.000748	0.74	7.37	7.00	0.23	
GRACCIANO_1	42	Max WS	5.50	249.88	251.98		252.01	0.000807	0.79	7.21	7.27	0.24	
GRACCIANO_1	41	Max WS	5.55	249.08	251.95		251.96	0.000227	0.49	11.45	7.61	0.13	
GRACCIANO_1	29	Max WS	5.55	249.33	251.95		251.96	0.000169	0.48	13.26	9.42	0.12	



ALLEGATI

MODELLAZIONE HEC-RAS 5.0.3 "Montepulciano stazione"

DOCCIA DI GRACCIANO

MODELLAZIONE PER TR=200 anni

DURATE DI PIOGGIA: 2h

Dati idraulici

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
GRACCIANO_1	87	Max WS	13.85	260.75	262.60		262.80	0.007942	2.37	11.04	21.57	0.68
GRACCIANO_1	86.7	Lat Struct										
GRACCIANO_1	86	Max WS	13.30	260.12	262.40		262.41	0.000377	0.65	58.22	93.22	0.17
GRACCIANO_1	85.8	Lat Struct										
GRACCIANO_1	85	Max WS	13.29	259.58	262.39	261.28	262.39	0.000134	0.48	75.78	87.70	0.10
GRACCIANO_1	84.5	Bridge										
GRACCIANO_1	84	Max WS	13.29	259.40	261.36	261.37	261.52	0.006776	2.02	14.69	56.72	0.64
GRACCIANO_1	83	Max WS	13.10	258.70	260.59	260.33	260.86	0.007859	2.31	5.98	10.57	0.71
GRACCIANO_1	82	Max WS	13.27	258.04	259.70	259.74	259.87	0.007314	2.09	14.54	70.85	0.69
GRACCIANO_1	81	Max WS	13.25	257.24	259.02		259.14	0.006996	1.97	16.52	51.06	0.64
GRACCIANO_1	80	Max WS	13.23	256.83	258.68		258.69	0.000525	0.60	64.00	127.47	0.18
GRACCIANO_1	79.5	Bridge										
GRACCIANO_1	79	Max WS	11.23	256.34	258.24		258.27	0.001999	1.13	24.81	57.01	0.34
GRACCIANO_1	78.5	Lat Struct										
GRACCIANO_1	78	Max WS	10.79	255.78	257.80		257.98	0.004867	1.87	5.83	5.26	0.55
GRACCIANO_1	77.9	Lat Struct										
GRACCIANO_1	77.6	Lat Struct										
GRACCIANO_1	77	Max WS	8.22	255.67	257.78	256.92	257.79	0.000236	0.45	47.16	77.58	0.12
GRACCIANO_1	76.5	Bridge										
GRACCIANO_1	76	Max WS	8.22	255.31	256.93	256.49	257.04	0.003460	1.45	5.87	30.91	0.49
GRACCIANO_1	75	Max WS	8.35	254.87	256.68		256.77	0.001985	1.29	6.79	6.80	0.38
GRACCIANO_1	74	Max WS	8.50	254.42	256.56		256.60	0.000776	0.84	12.07	51.77	0.24
GRACCIANO_1	73.5	Culvert										
GRACCIANO_1	73	Max WS	8.50	254.40	256.19		256.26	0.001639	1.11	7.68	7.23	0.34
GRACCIANO_1	72	Max WS	8.53	254.28	256.14		256.22	0.002415	1.30	7.23	10.76	0.41
GRACCIANO_1	71	Max WS	8.65	254.01	256.03		256.07	0.000711	0.88	18.04	44.75	0.24
GRACCIANO_1	70.4	Lat Struct										
GRACCIANO_1	70	Max WS	7.03	253.49	255.96		255.98	0.000278	0.58	17.56	26.05	0.15
GRACCIANO_1	69.5	Culvert										
GRACCIANO_1	69	Max WS	7.02	253.40	255.30		255.35	0.001300	0.98	7.17	6.61	0.30
GRACCIANO_1	68.99	Lat Struct										
GRACCIANO_1	68	Max WS	8.37	253.19	255.20		255.25	0.000973	0.92	12.33	26.05	0.26
GRACCIANO_1	67.5	Culvert										
GRACCIANO_1	67	Max WS	8.37	252.88	254.87		254.94	0.002180	1.28	14.40	64.81	0.37
GRACCIANO_1	66.55	Lat Struct										
GRACCIANO_1	66	Max WS	7.43	252.68	254.74		254.76	0.000560	0.72	26.49	79.21	0.20
GRACCIANO_1	65.5	Culvert										
GRACCIANO_1	65	Max WS	7.43	252.64	254.75		254.76	0.000419	0.62	30.66	79.17	0.17
GRACCIANO_1	64.9	Lat Struct										
GRACCIANO_1	64	Max WS	6.23	252.61	254.73		254.75	0.000443	0.62	24.53	75.09	0.17
GRACCIANO_1	63.8	Culvert										
GRACCIANO_1	63.48	Lat Struct										
GRACCIANO_1	63.2	Bridge										
GRACCIANO_1	63	Max WS	6.00	252.72	254.52		254.57	0.001563	1.01	5.95	5.93	0.32
GRACCIANO_1	62.9	Lat Struct										
GRACCIANO_1	62	Max WS	1.75	252.48	254.56	253.17	254.56	0.000082	0.25	7.59	15.37	0.07
GRACCIANO_1	61.5	Bridge										
GRACCIANO_1	61	Max WS	1.75	252.48	254.55		254.55	0.000080	0.26	8.06	15.22	0.07
GRACCIANO_1	60.5	Lat Struct										
GRACCIANO_1	60	Max WS	1.60	252.48	254.55		254.55	0.000059	0.22	8.35	15.20	0.06
GRACCIANO_1	59.5	Culvert										
GRACCIANO_1	59	Max WS	1.60	252.57	254.54		254.54	0.000064	0.23	7.37	14.66	0.07
GRACCIANO_1	58.9	Lat Struct										
GRACCIANO_1	58	Max WS	7.93	252.30	254.49		254.51	0.000551	0.72	12.63	15.53	0.20
GRACCIANO_1	57.5	Culvert										
GRACCIANO_1	57	Max WS	7.93	252.24	254.41		254.45	0.000901	0.88	8.97	7.11	0.25
GRACCIANO_1	56.4	Lat Struct										
GRACCIANO_1	56	Max WS	7.96	252.04	254.38		254.41	0.000648	0.79	11.16	17.41	0.22
GRACCIANO_1	55.5	Culvert										
GRACCIANO_1	55	Max WS	7.98	251.65	253.56		253.66	0.003134	1.46	5.47	4.79	0.44
GRACCIANO_1	54	Max WS	8.08	251.60	253.29		253.38	0.002900	1.43	9.22	37.91	0.44
GRACCIANO_1	53	Max WS	8.17	251.40	253.16		253.18	0.000963	0.80	26.77	82.97	0.26
GRACCIANO_1	52.5	Culvert										
GRACCIANO_1	52	Max WS	8.16	251.34	253.12		253.15	0.001021	0.85	24.42	81.65	0.27
GRACCIANO_1	51	Max WS	8.23	251.31	253.03		253.05	0.001324	0.85	22.88	90.10	0.30
GRACCIANO_1	50	Max WS	8.28	251.05	252.74		252.84	0.002485	1.44	8.69	18.91	0.42
GRACCIANO_1	49	Max WS	8.32	251.10	252.67		252.75	0.002083	1.27	9.56	28.55	0.38
GRACCIANO_1	48.4	Lat Struct										
GRACCIANO_1	48	Max WS	6.88	250.81	252.63		252.63	0.000330	0.53	35.23	81.78	0.15
GRACCIANO_1	47.5	Bridge										
GRACCIANO_1	47	Max WS	6.19	250.51	252.41		252.46	0.001630	1.04	10.60	39.20	0.33
GRACCIANO_1	46	Max WS	6.20	250.46	252.40		252.44	0.001127	0.91	6.91	7.32	0.28
GRACCIANO_1	45	Max WS	6.30	250.28	252.33		252.36	0.000661	0.78	8.45	9.58	0.22
GRACCIANO_1	44	Max WS	6.39	250.32	252.25		252.29	0.000967	0.85	8.04	10.11	0.26
GRACCIANO_1	43	Max WS	6.48	250.19	252.16		252.19	0.000772	0.79	8.30	8.95	0.24
GRACCIANO_1	42	Max WS	6.55	249.88	252.08		252.12	0.000850	0.86	8.07	9.06	0.25
GRACCIANO_1	41	Max WS	6.65	249.08	252.05		252.07	0.000271	0.54	12.25	7.87	0.14
GRACCIANO_1	29	Max WS	6.64	249.33	252.05		252.06	0.000197	0.54	14.26	9.81	0.13



ALLEGATI

MODELLAZIONE HEC-RAS 5.0.3 "Montepulciano stazione"

CANALE DOCCIA DI MOTTOLA

MODELLAZIONE PER TR=30 e 200 ANNI

DURATA DI PIOGGIA: 2h

Profilo longitudinale

Sezioni Trasversali

Dati idraulici



ALLEGATI

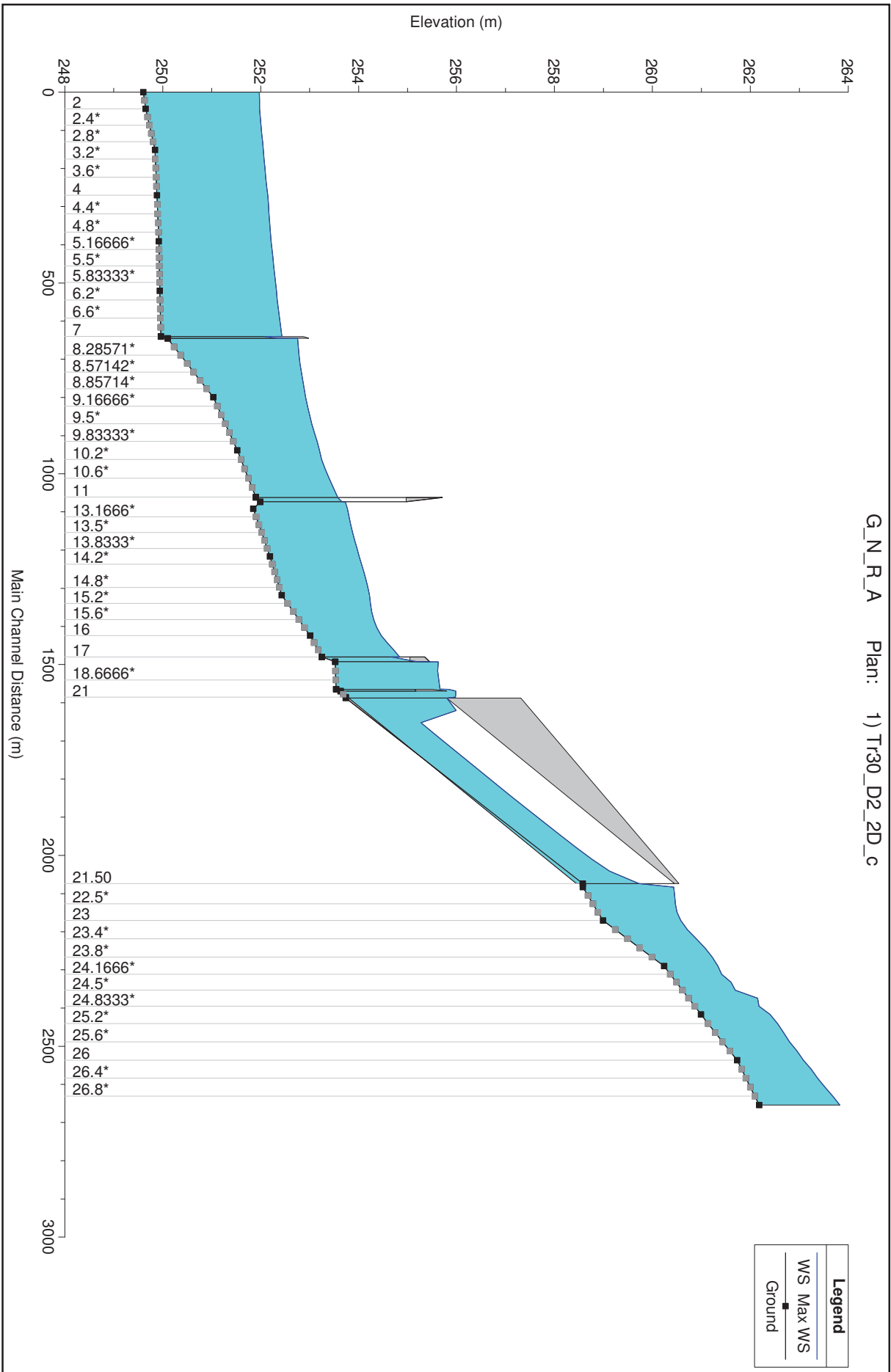
MODELLAZIONE HEC-RAS 5.0.3 "Montepulciano stazione"

CANALE DOCCIA DI MOTTOLA

MODELLAZIONE PER TR=30 anni

DURATE DI PIOGGIA: 2h

Profilo longitudinale





ALLEGATI

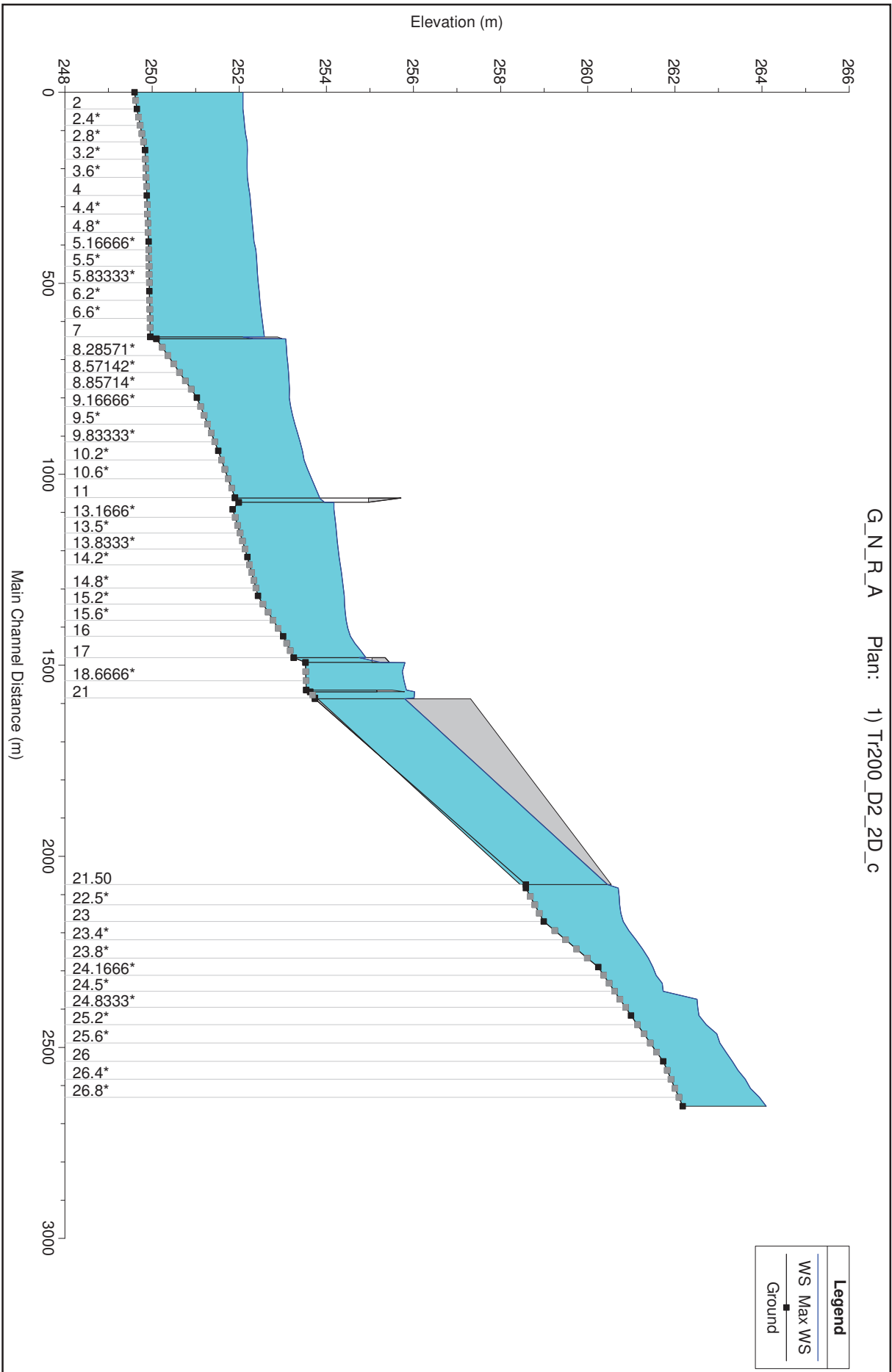
MODELLAZIONE HEC-RAS 5.0.3 "Montepulciano stazione"

CANALE DOCCIA DI MOTTOLA

MODELLAZIONE PER TR=200 anni

DURATE DI PIOGGIA: 2h

Profilo longitudinale





ALLEGATI

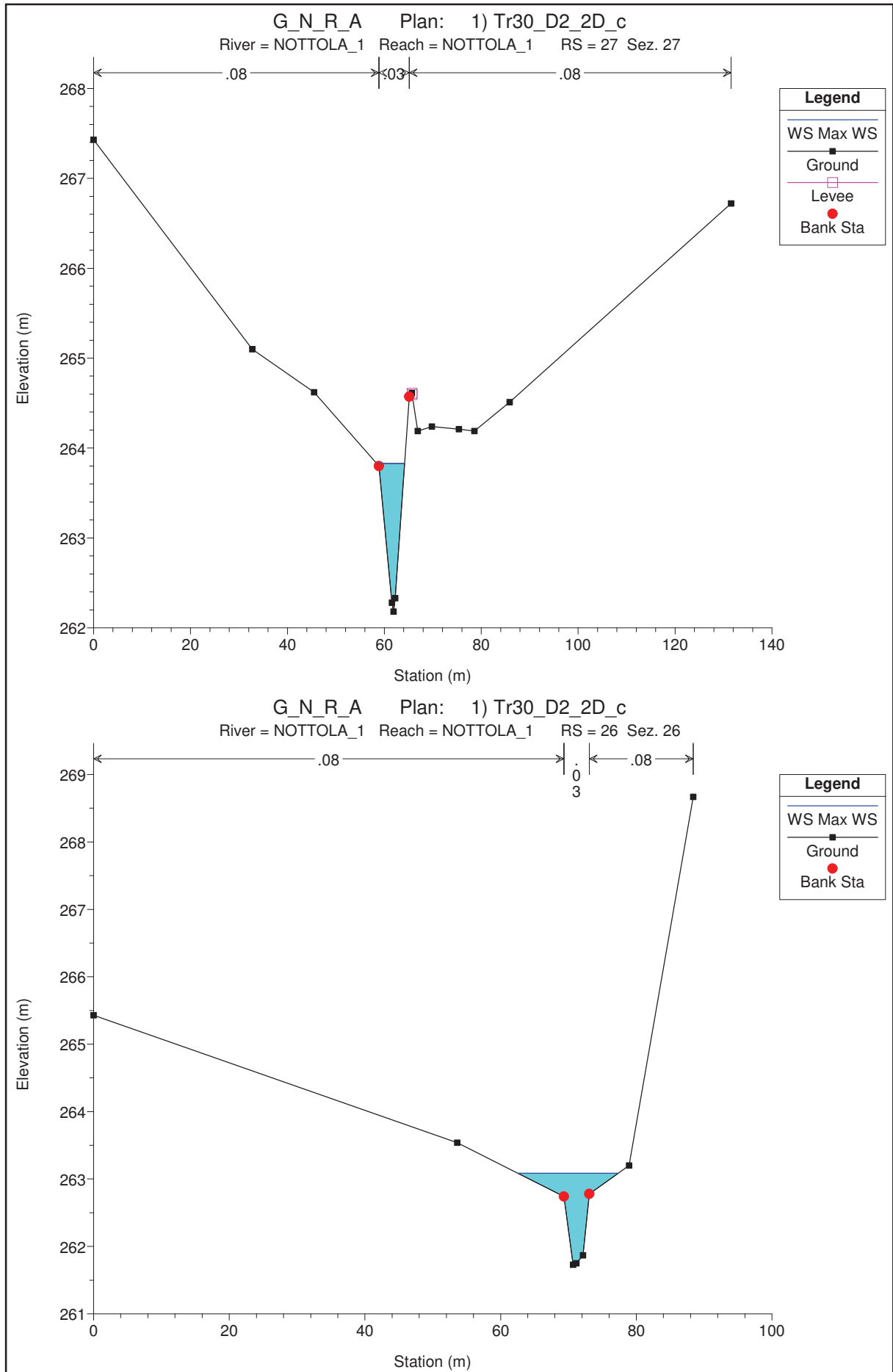
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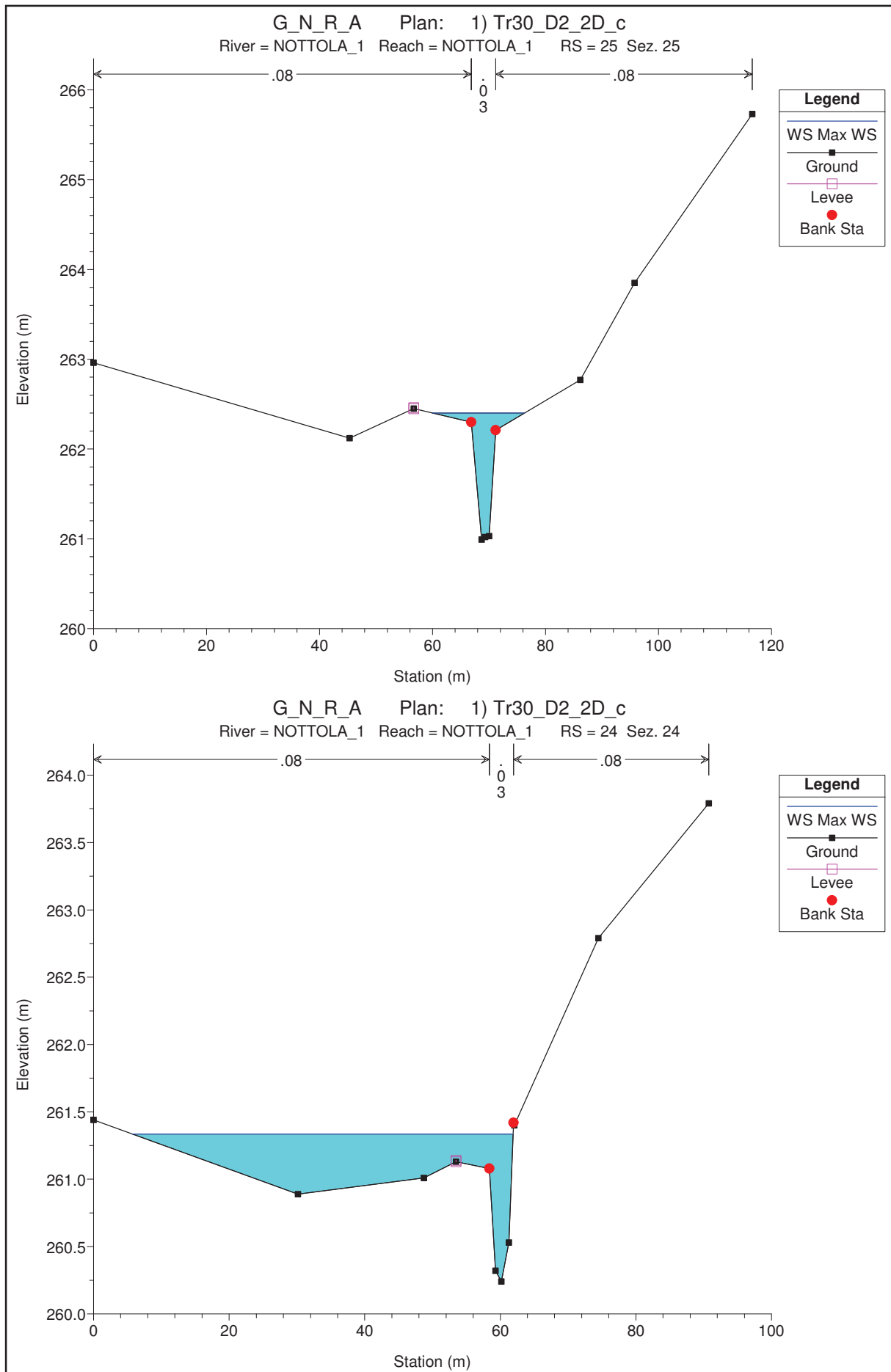
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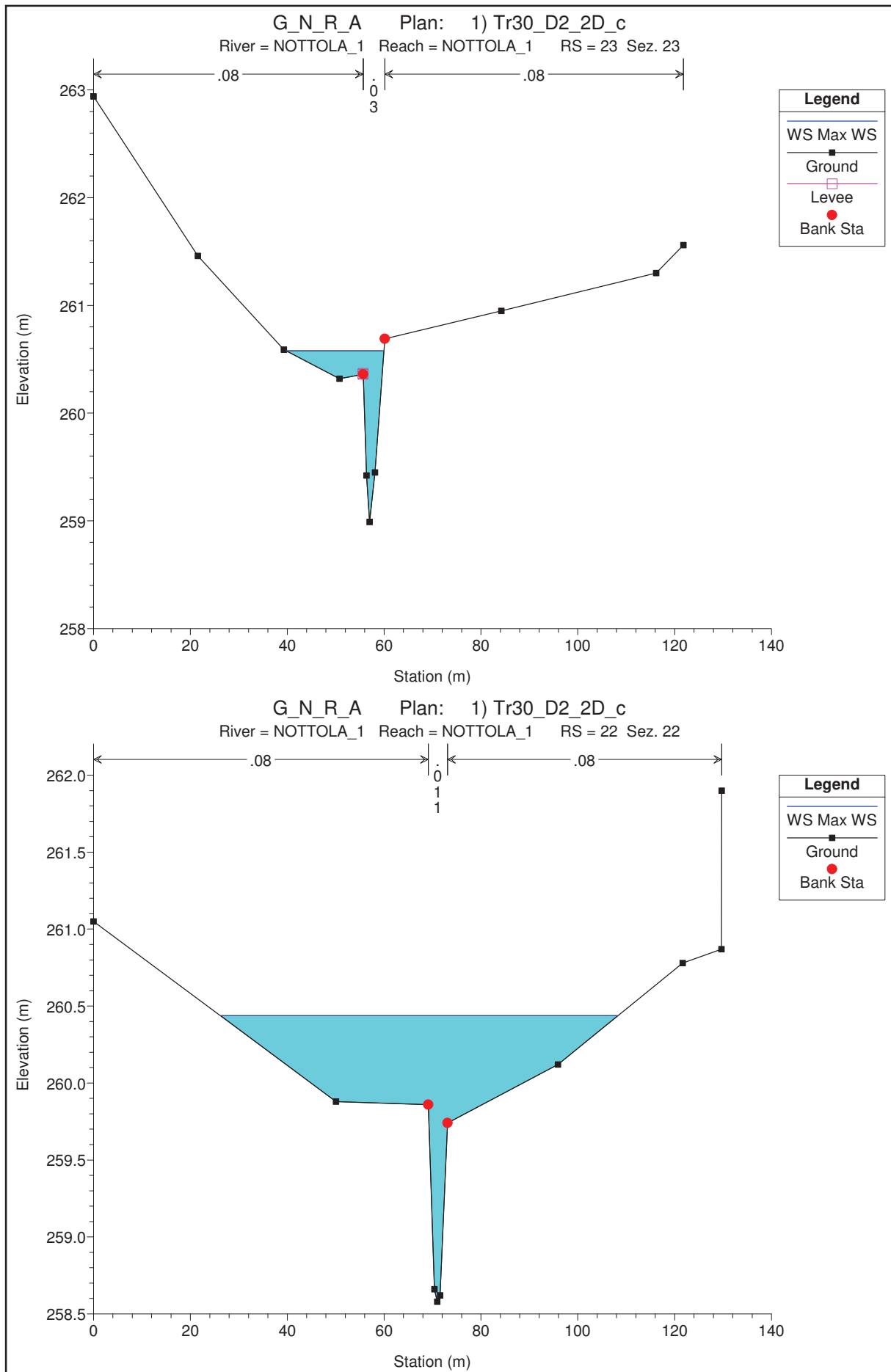
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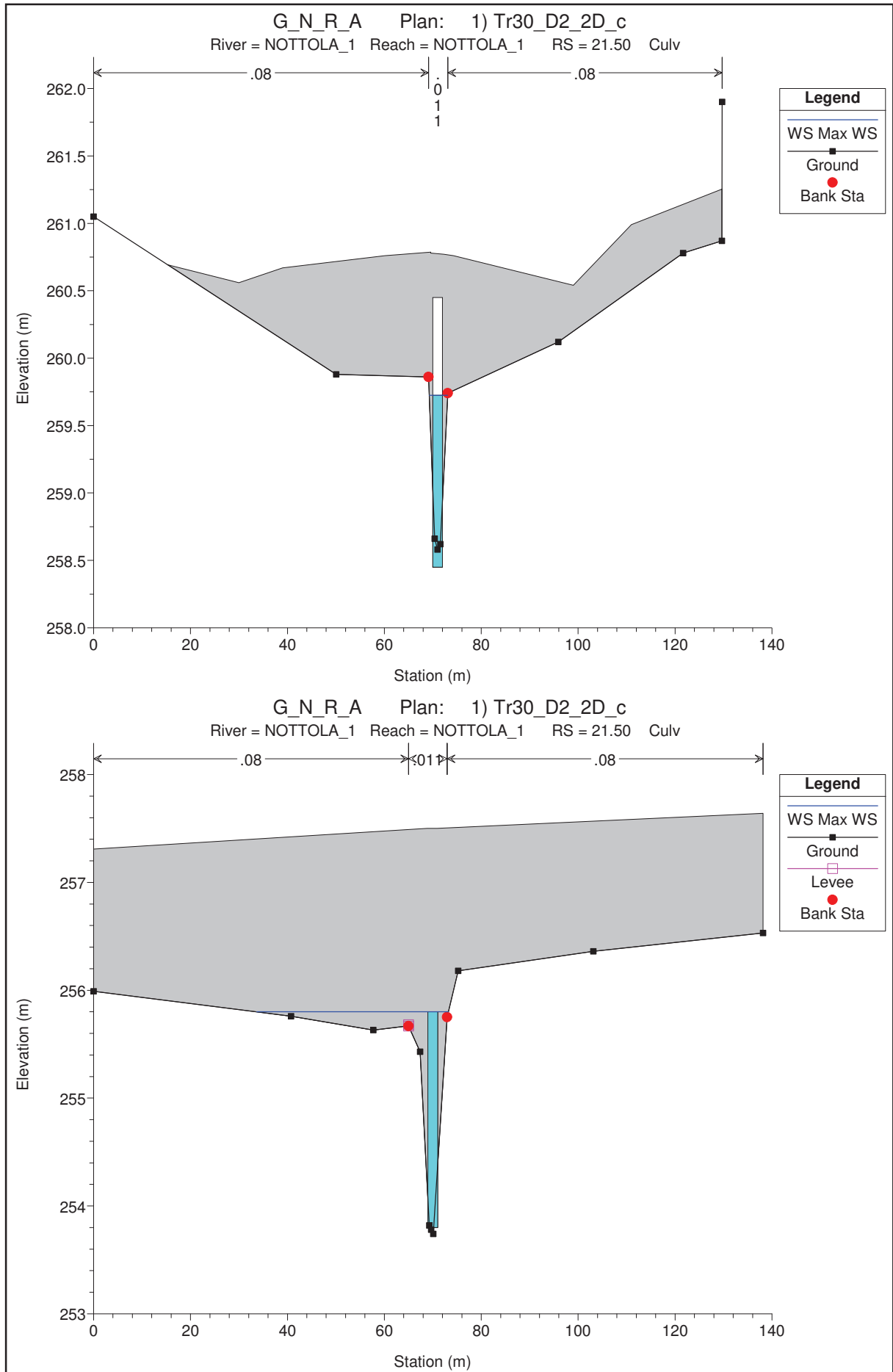
DURATE DI PIOGGIA: 2h

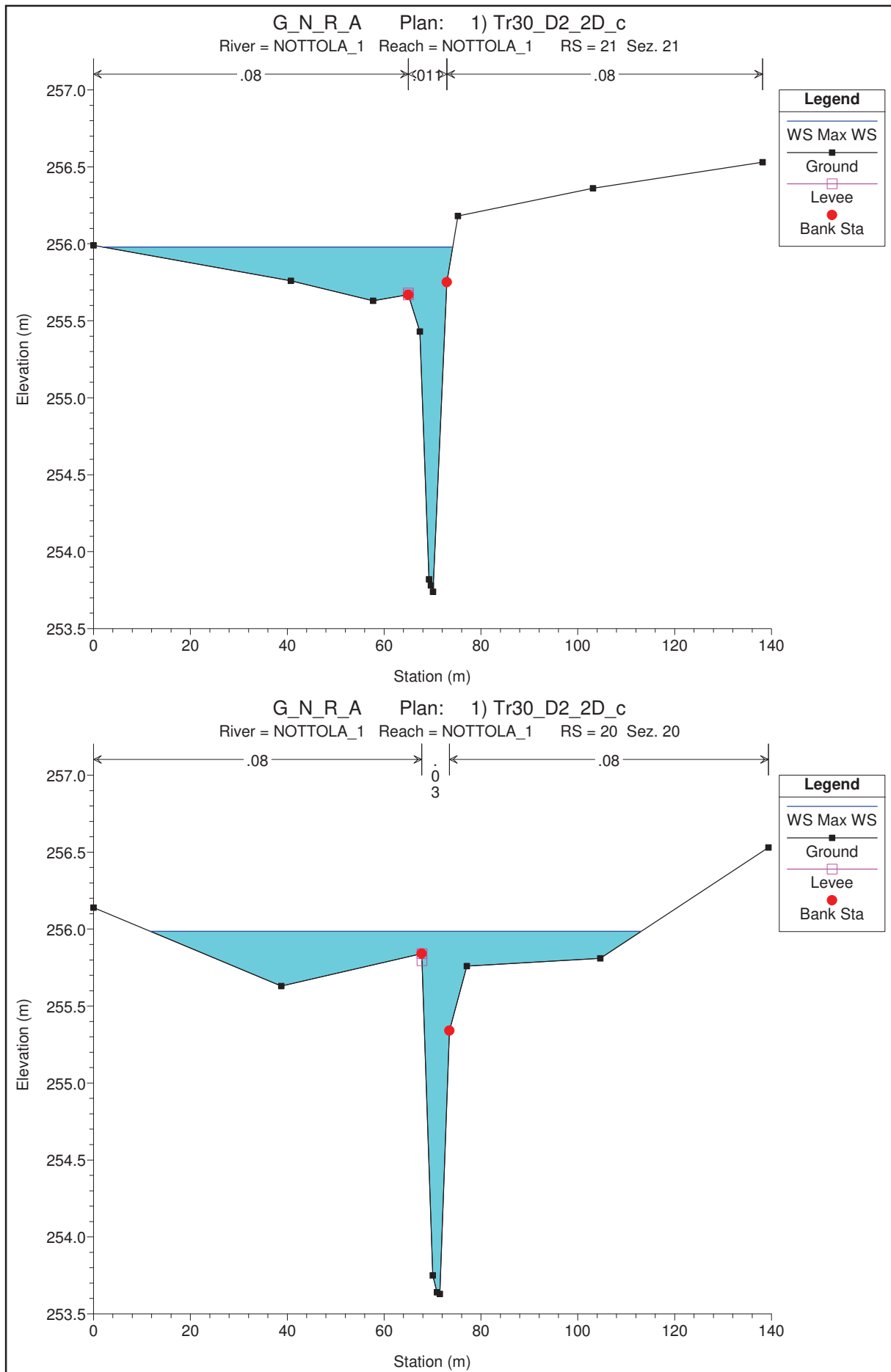
Sezioni Trasversali (da monte verso valle)

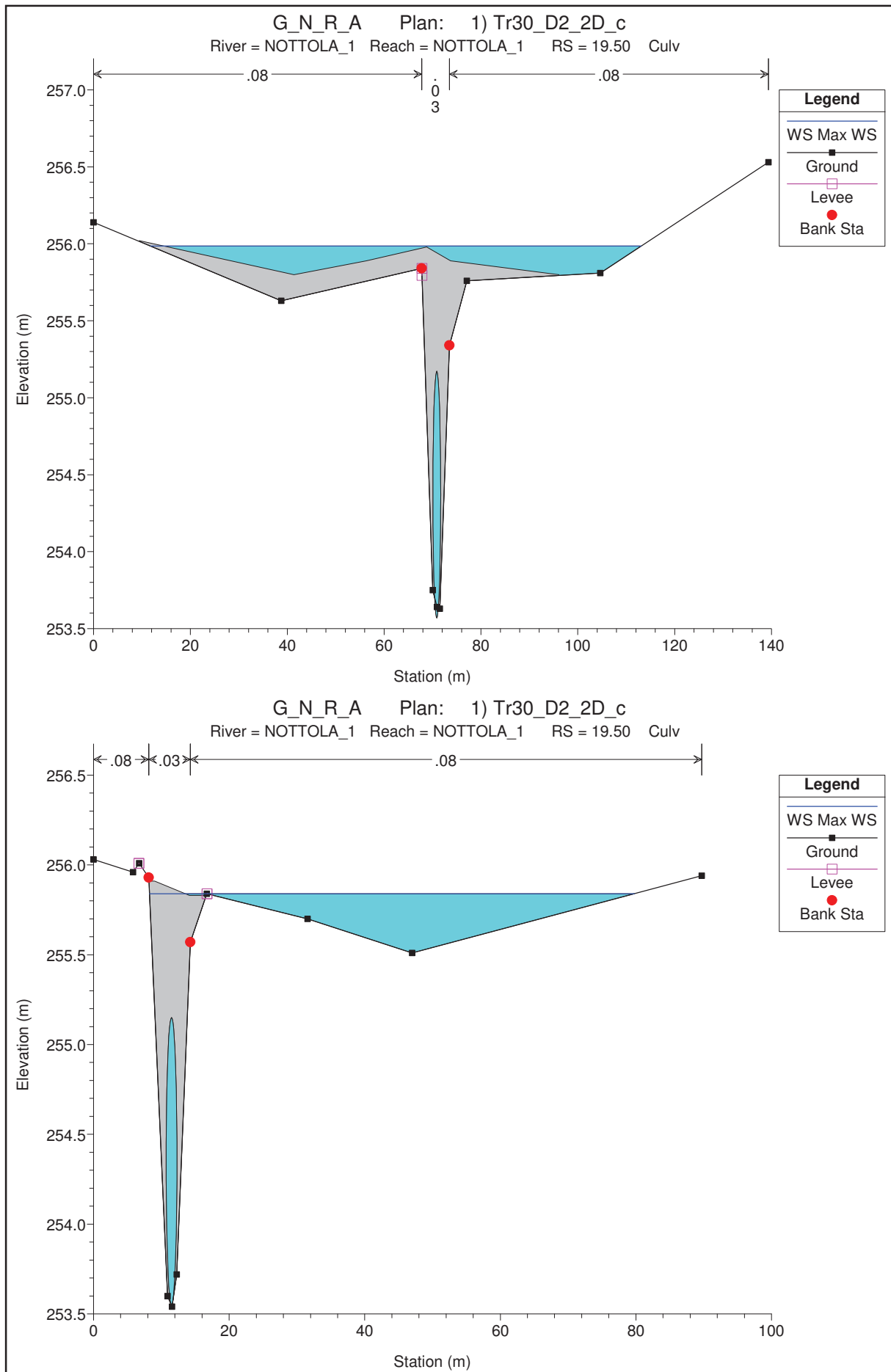


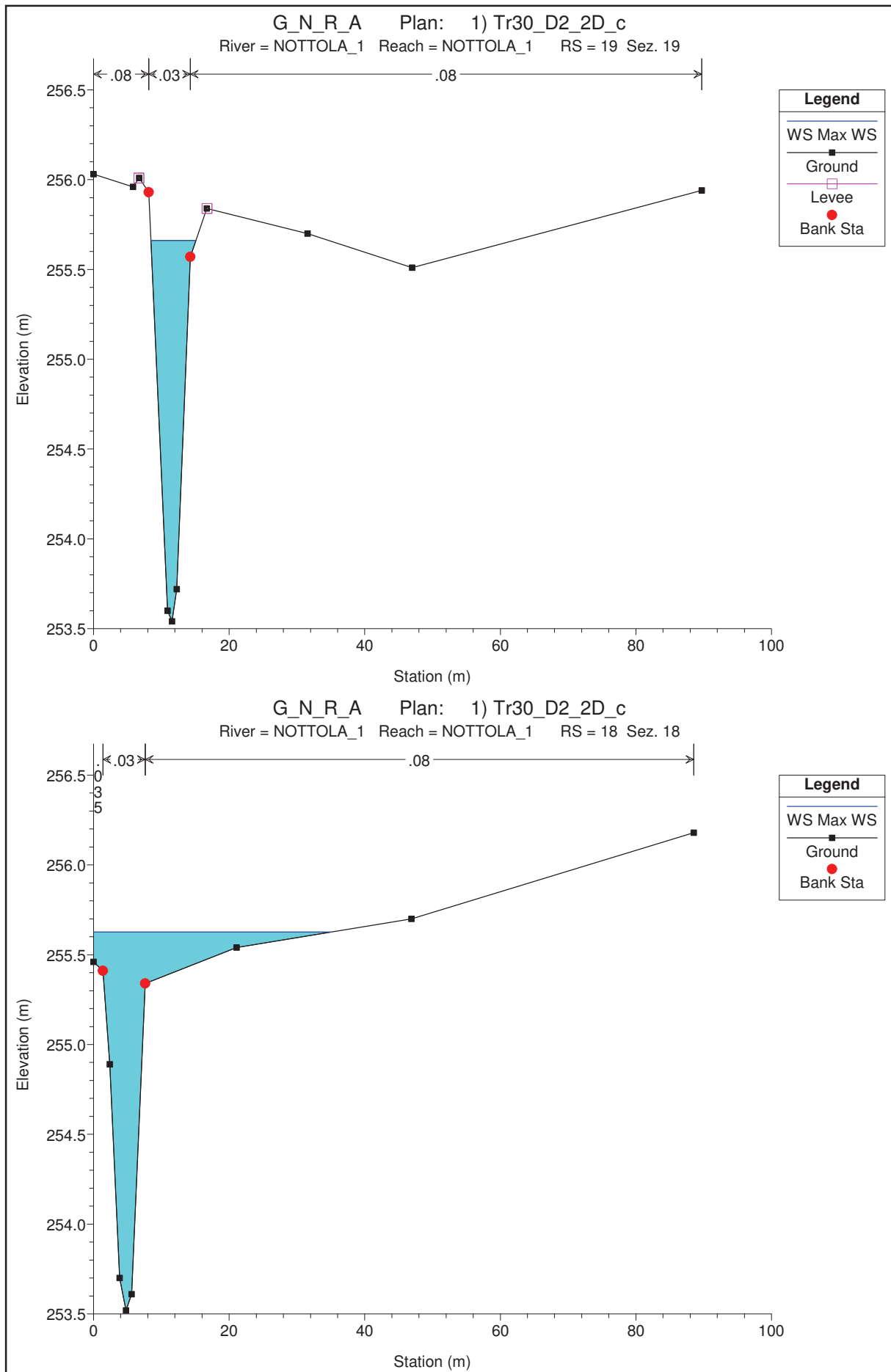


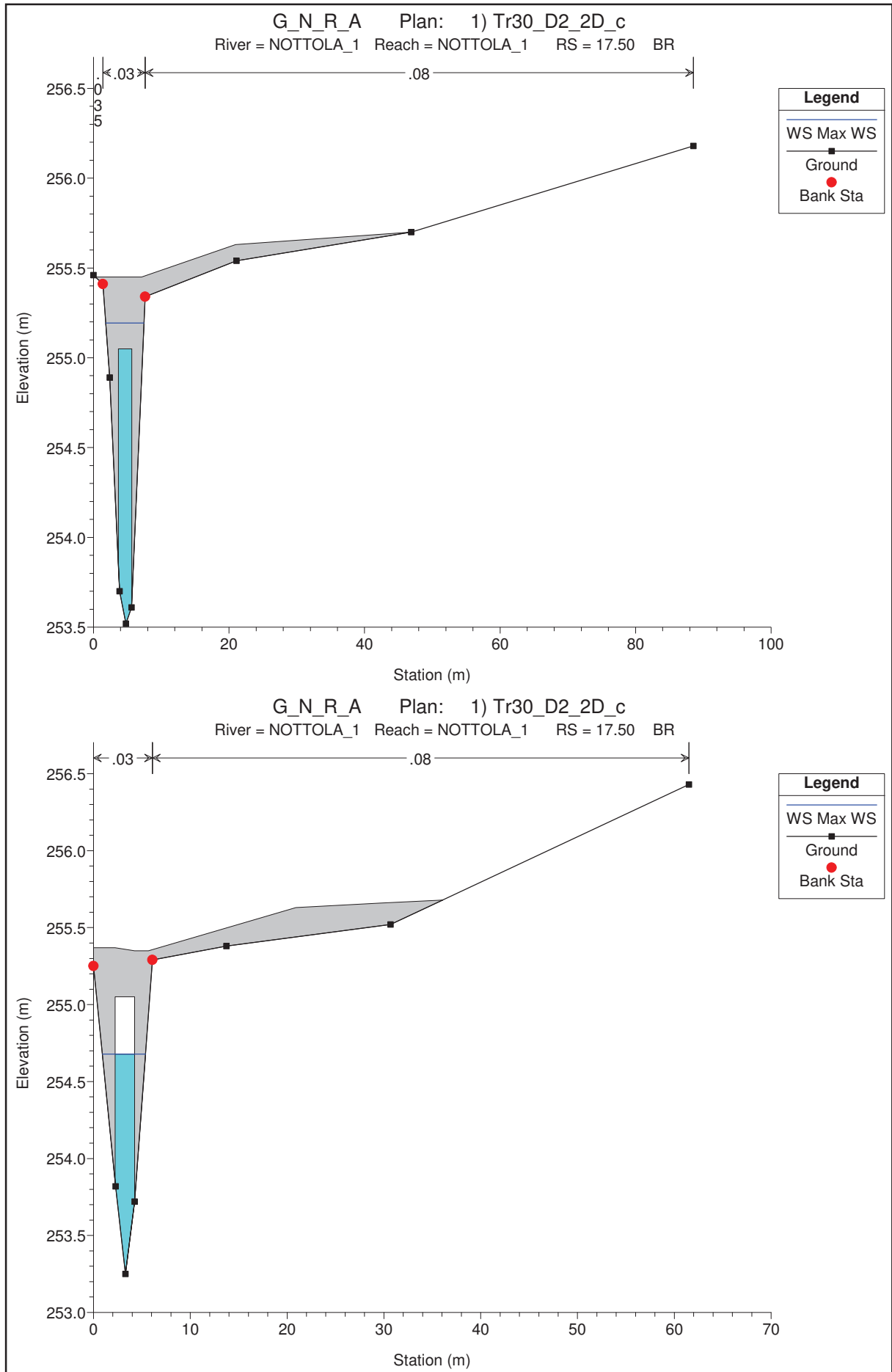


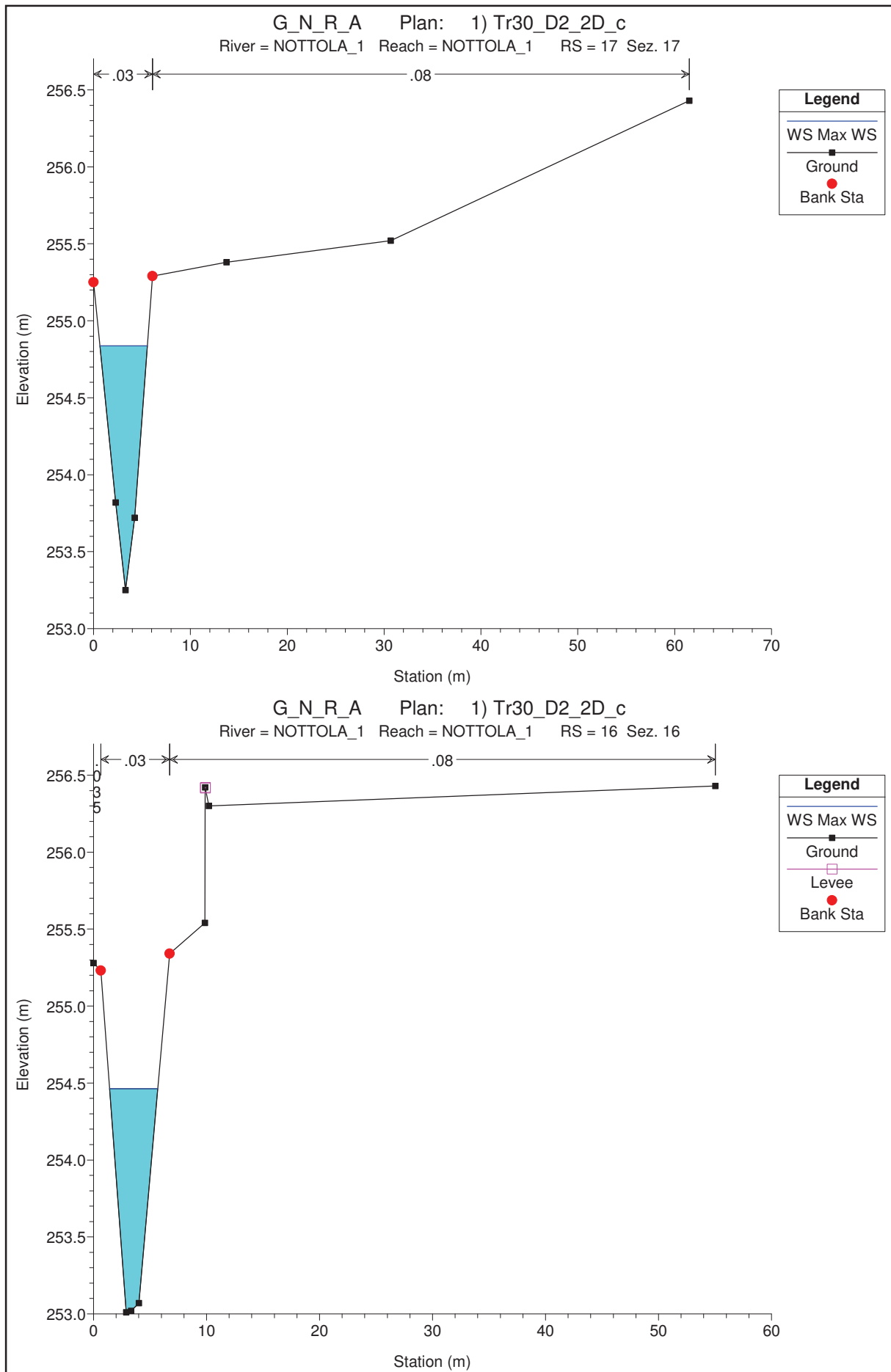


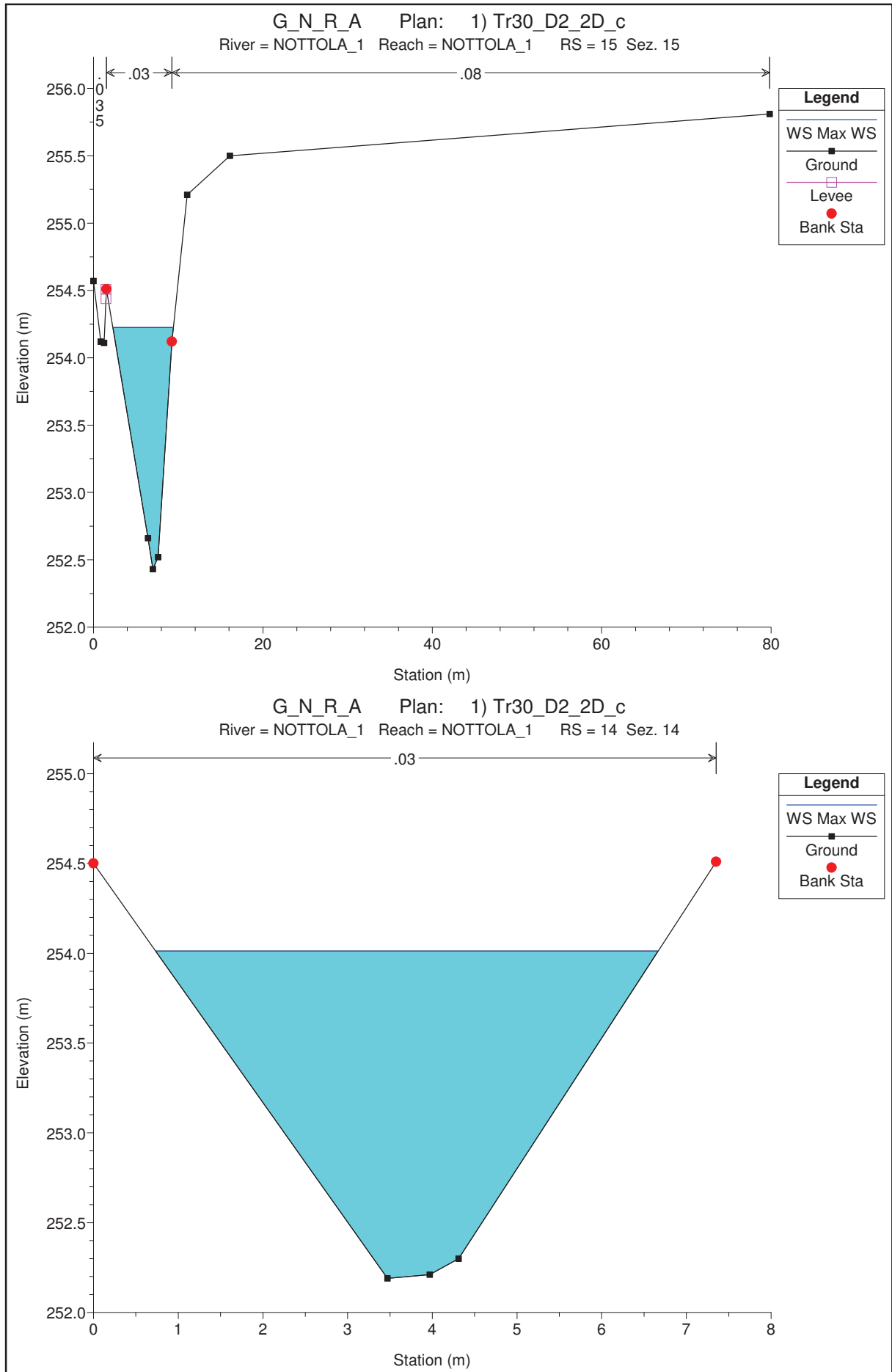


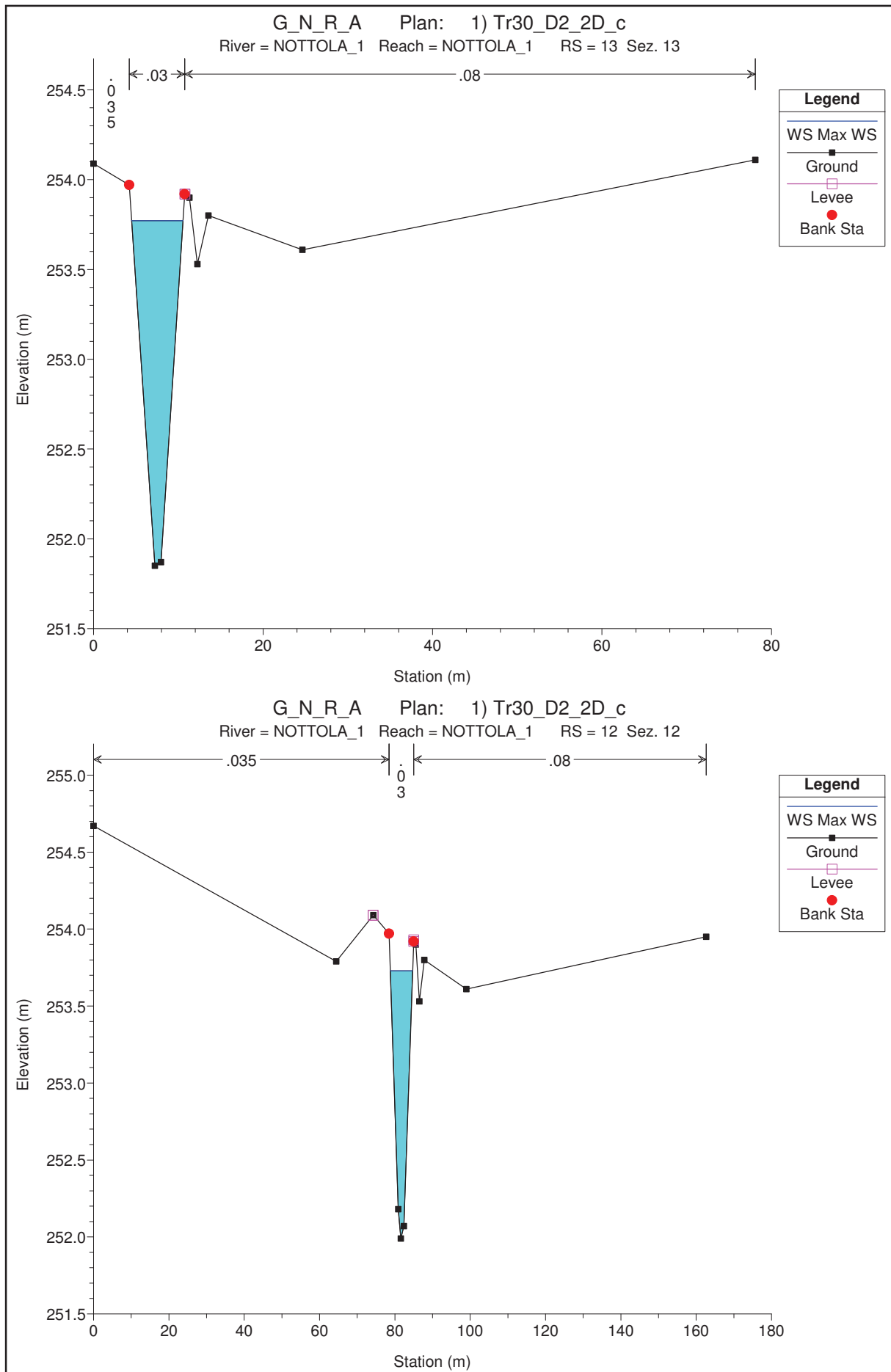


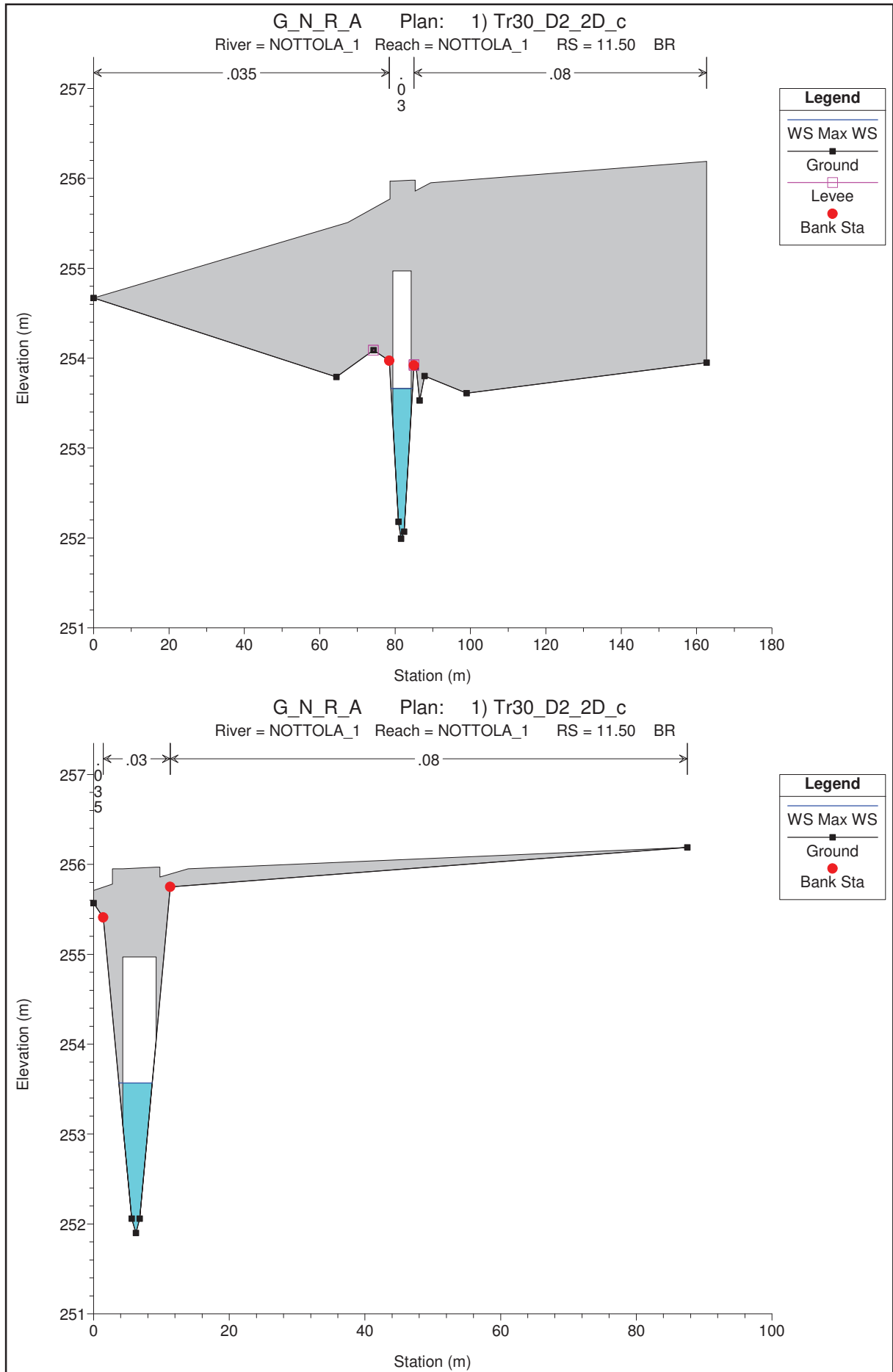


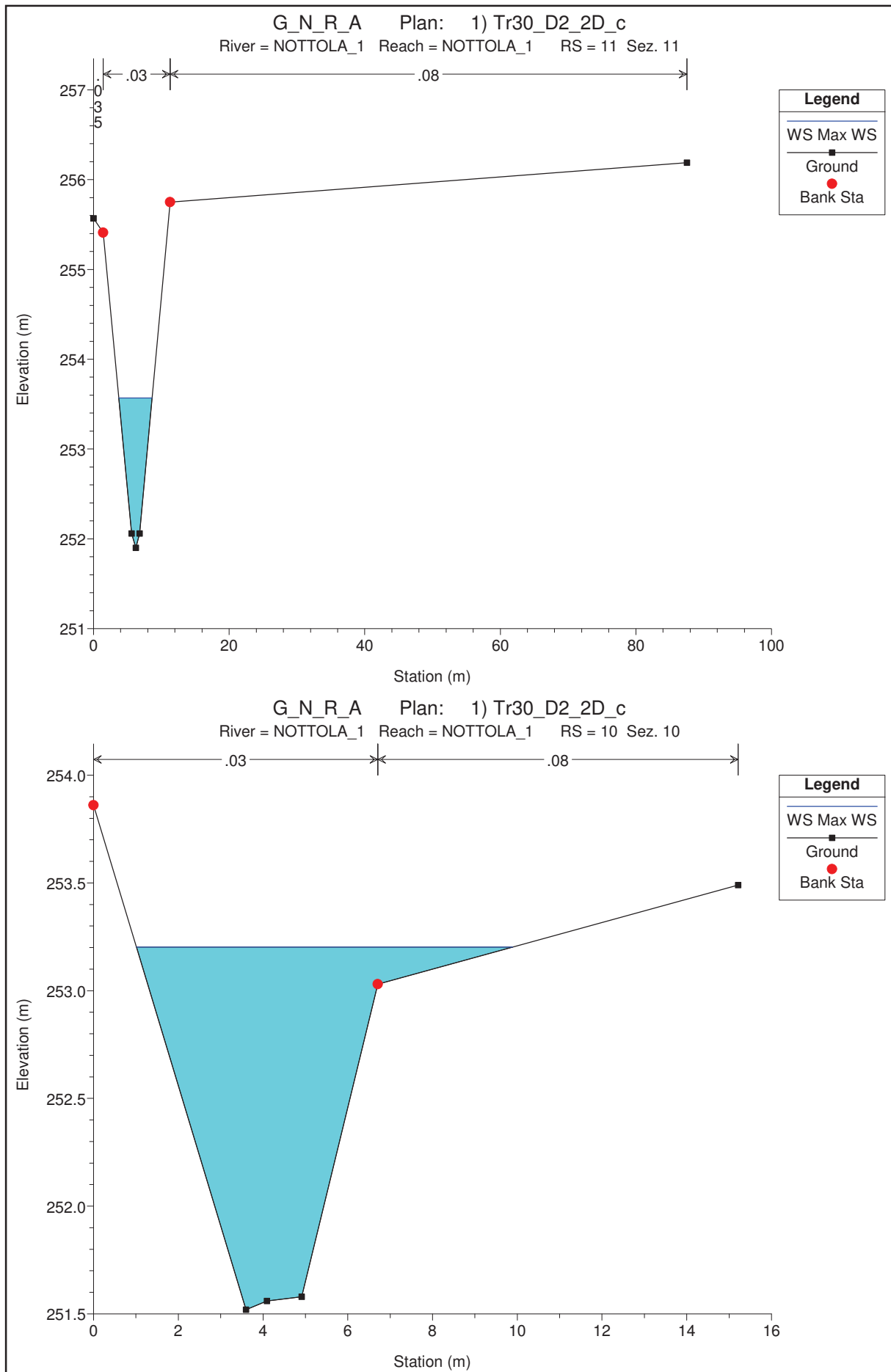


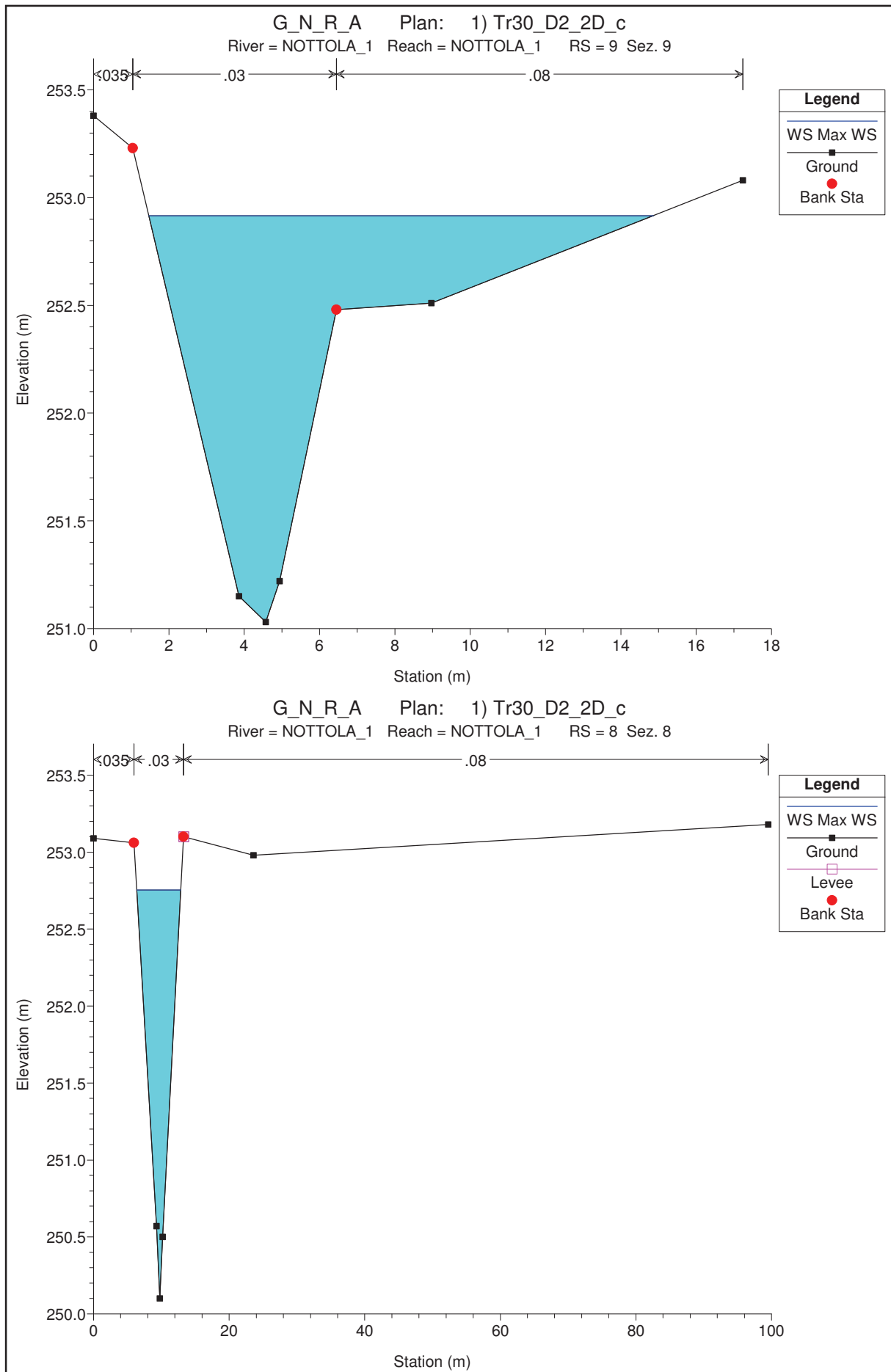


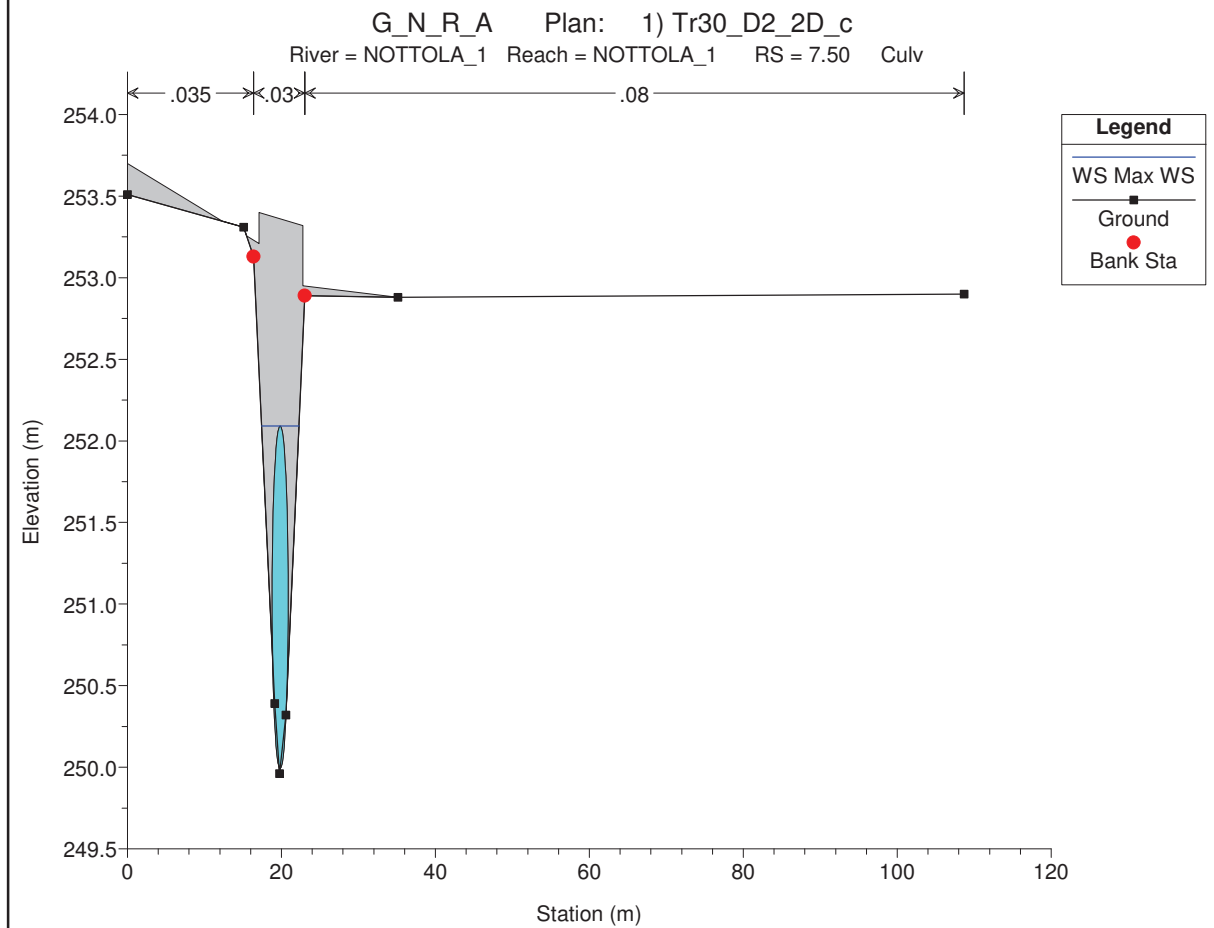
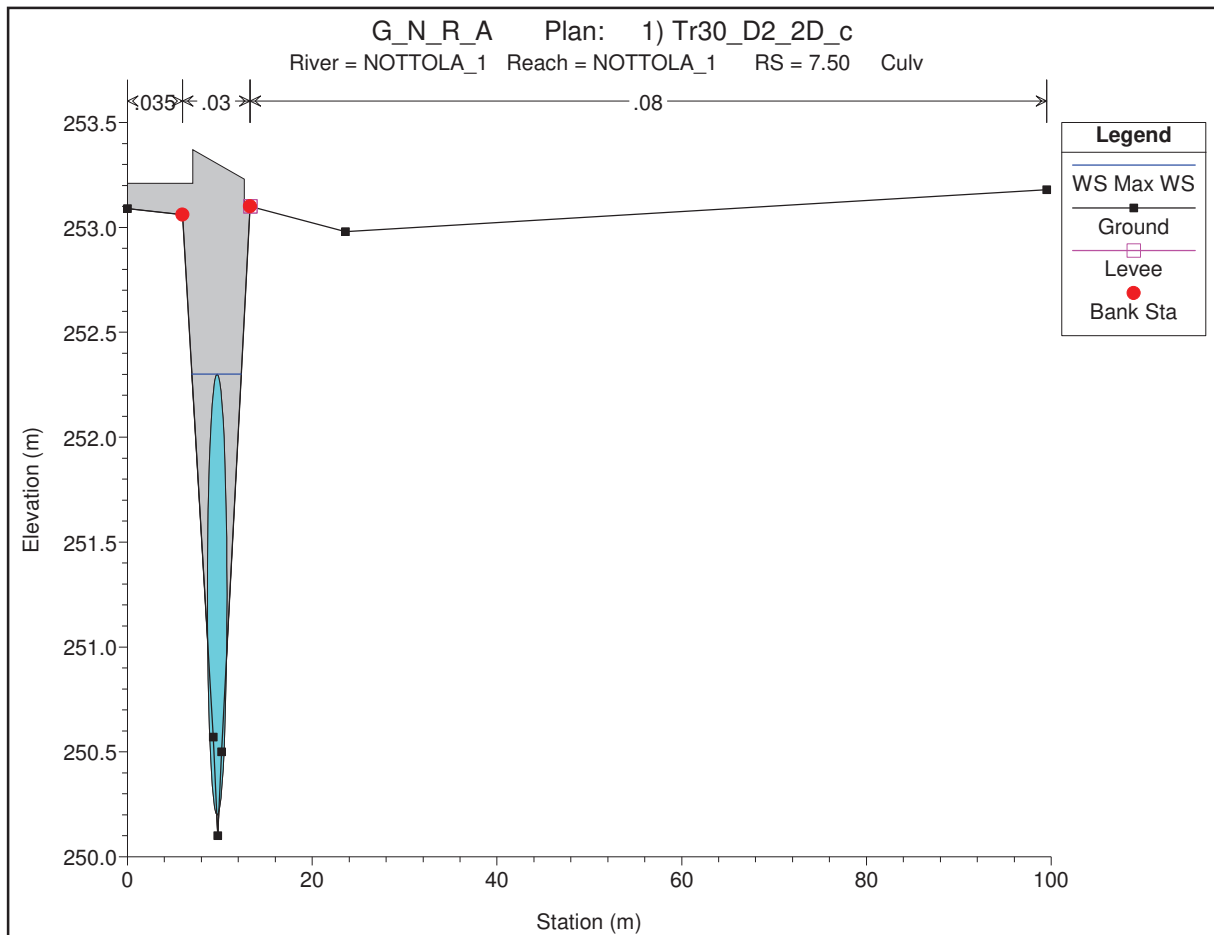


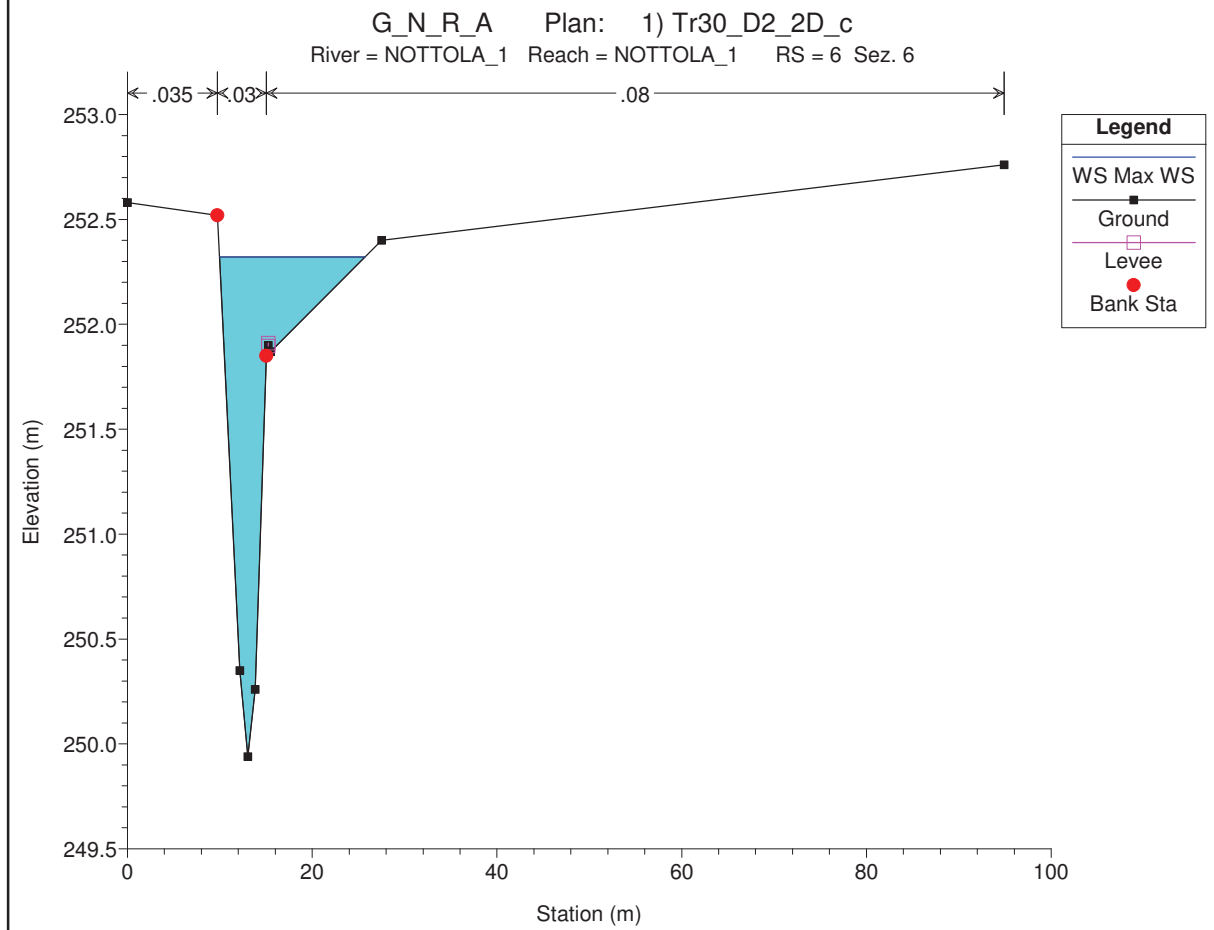
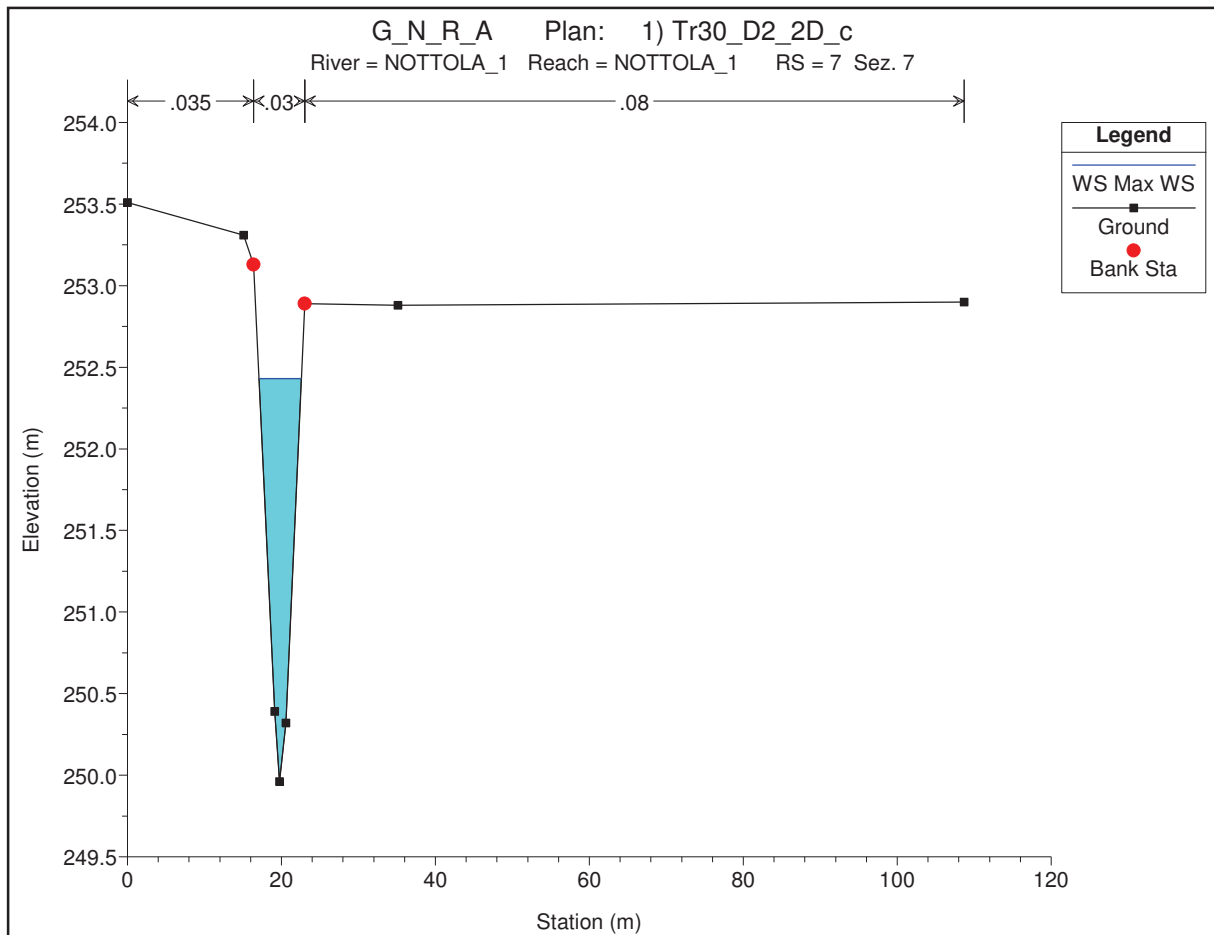


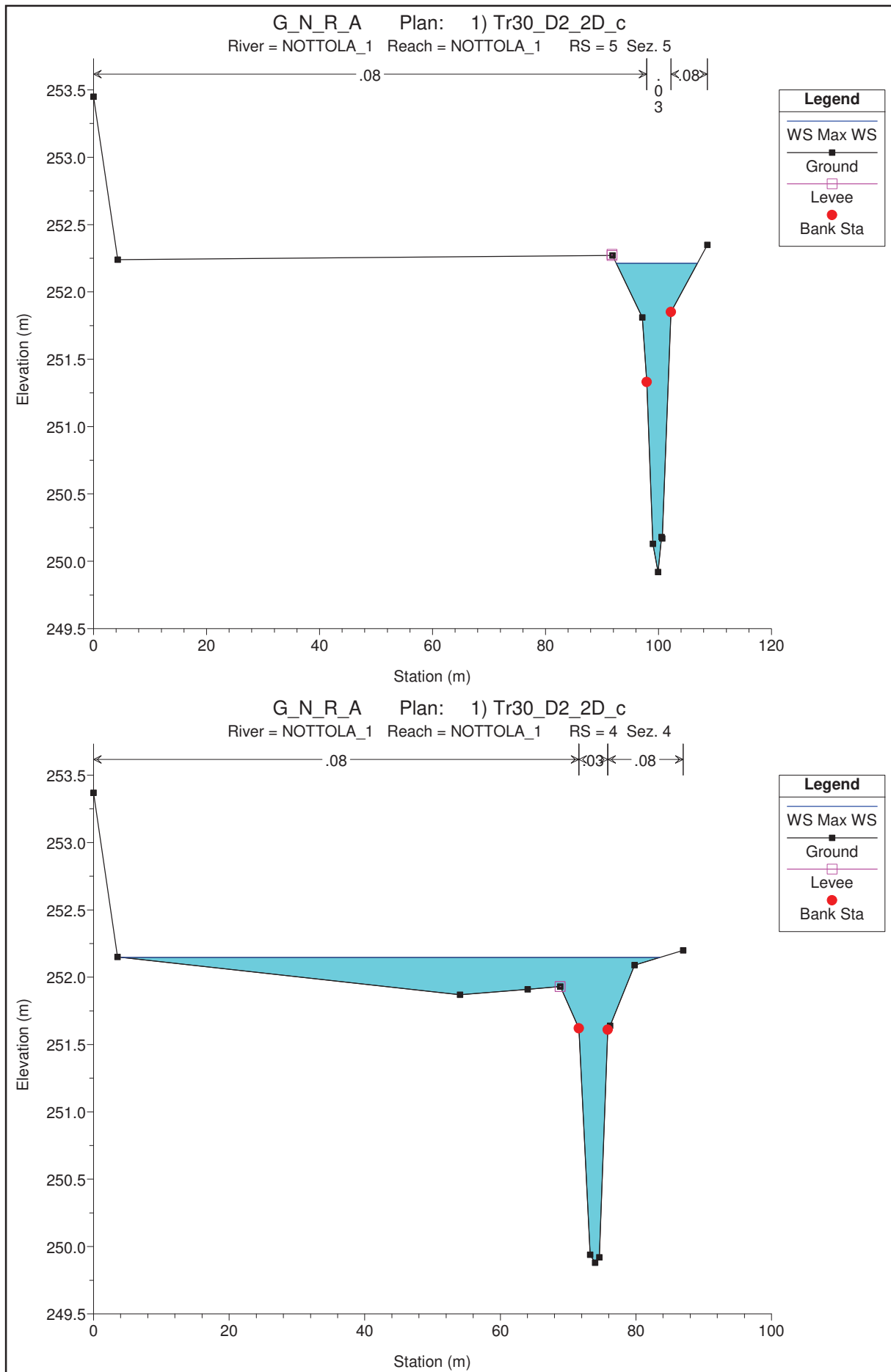


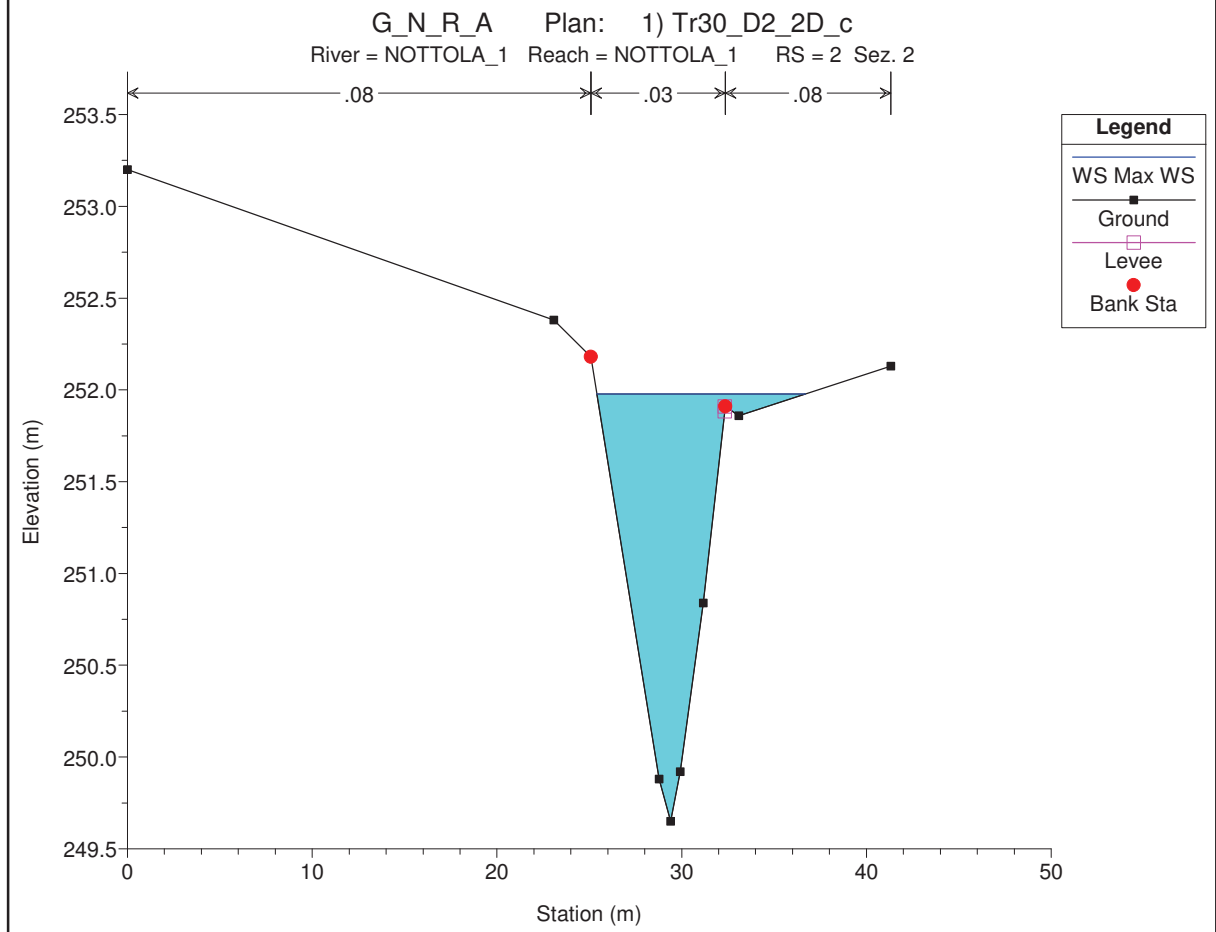
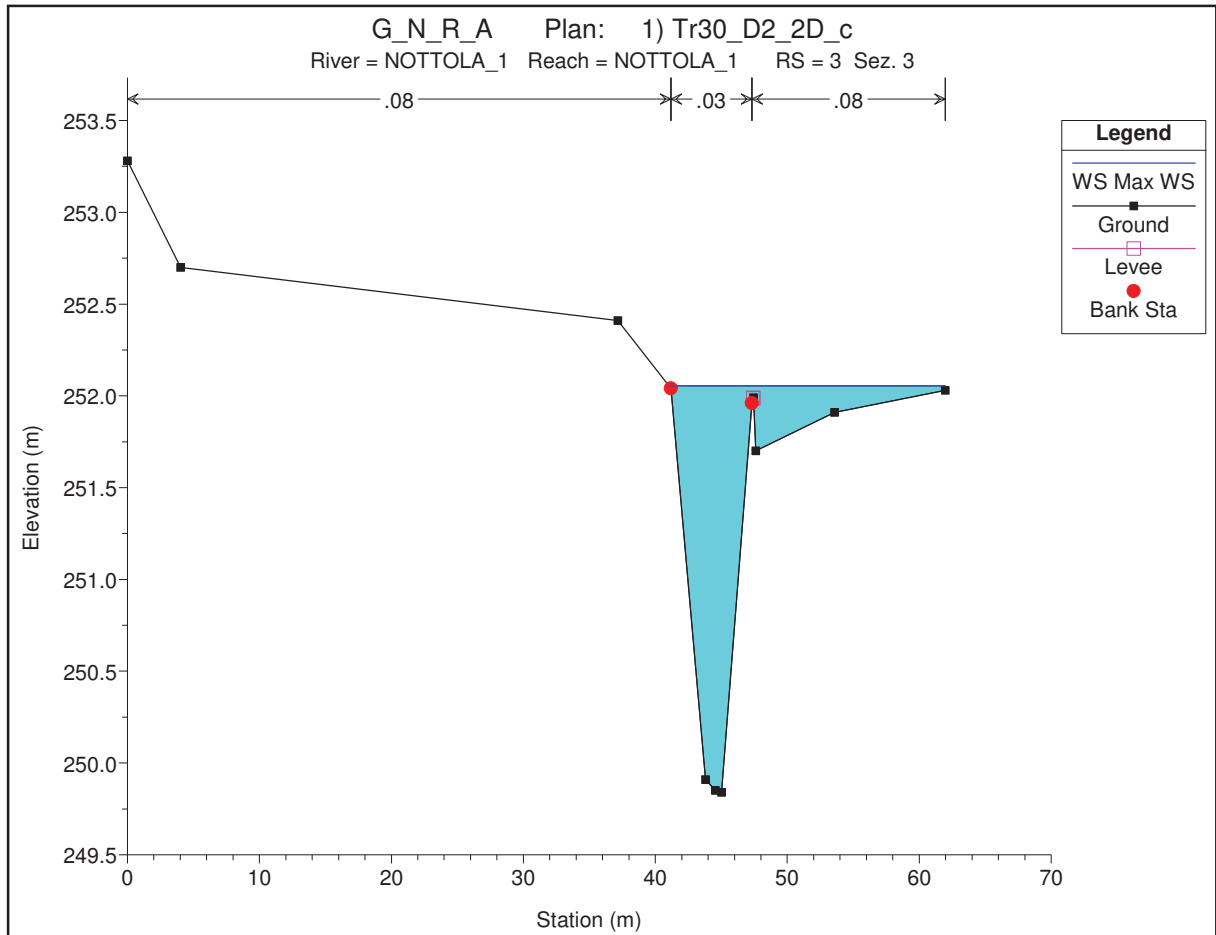


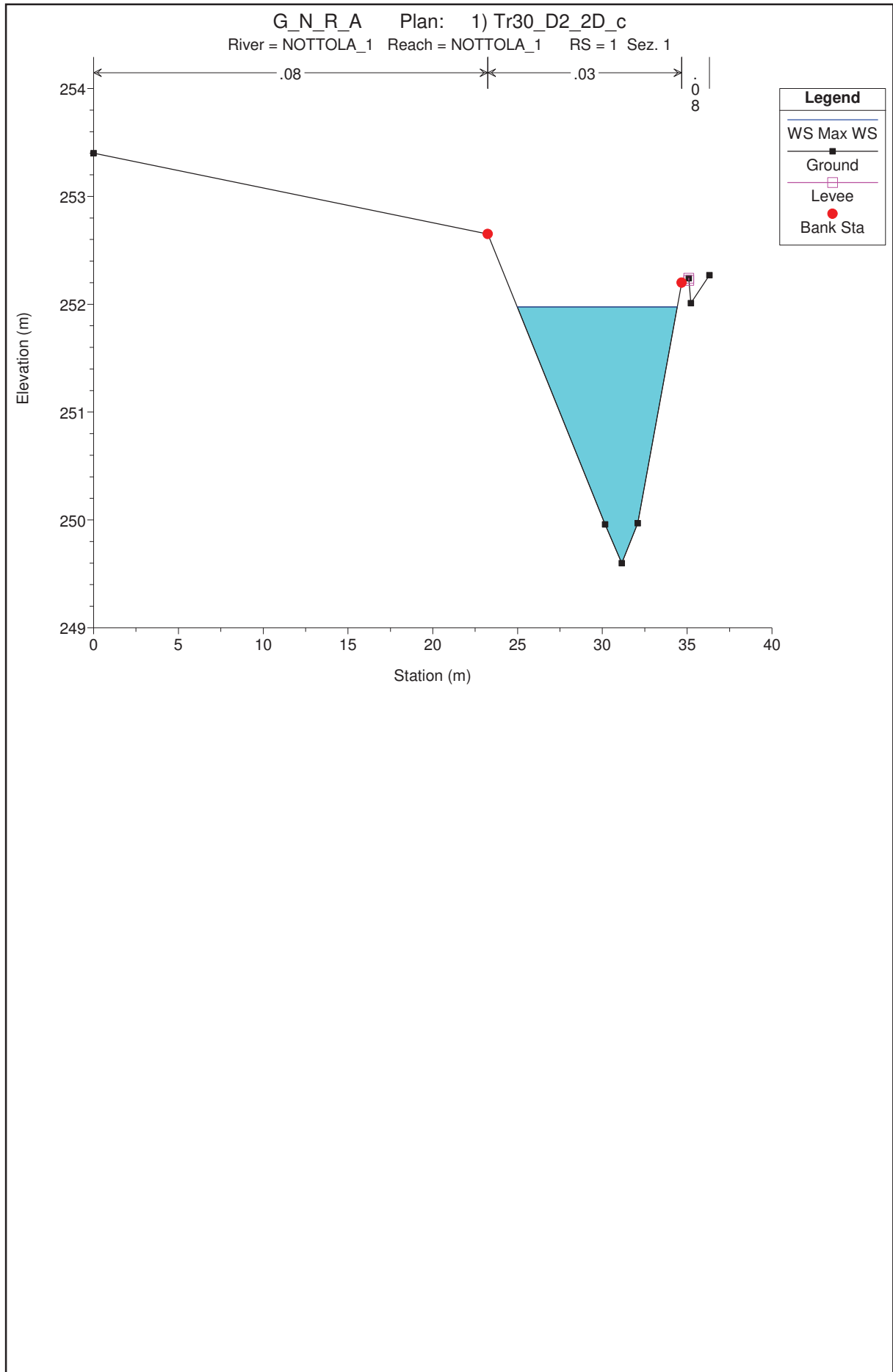














ALLEGATI

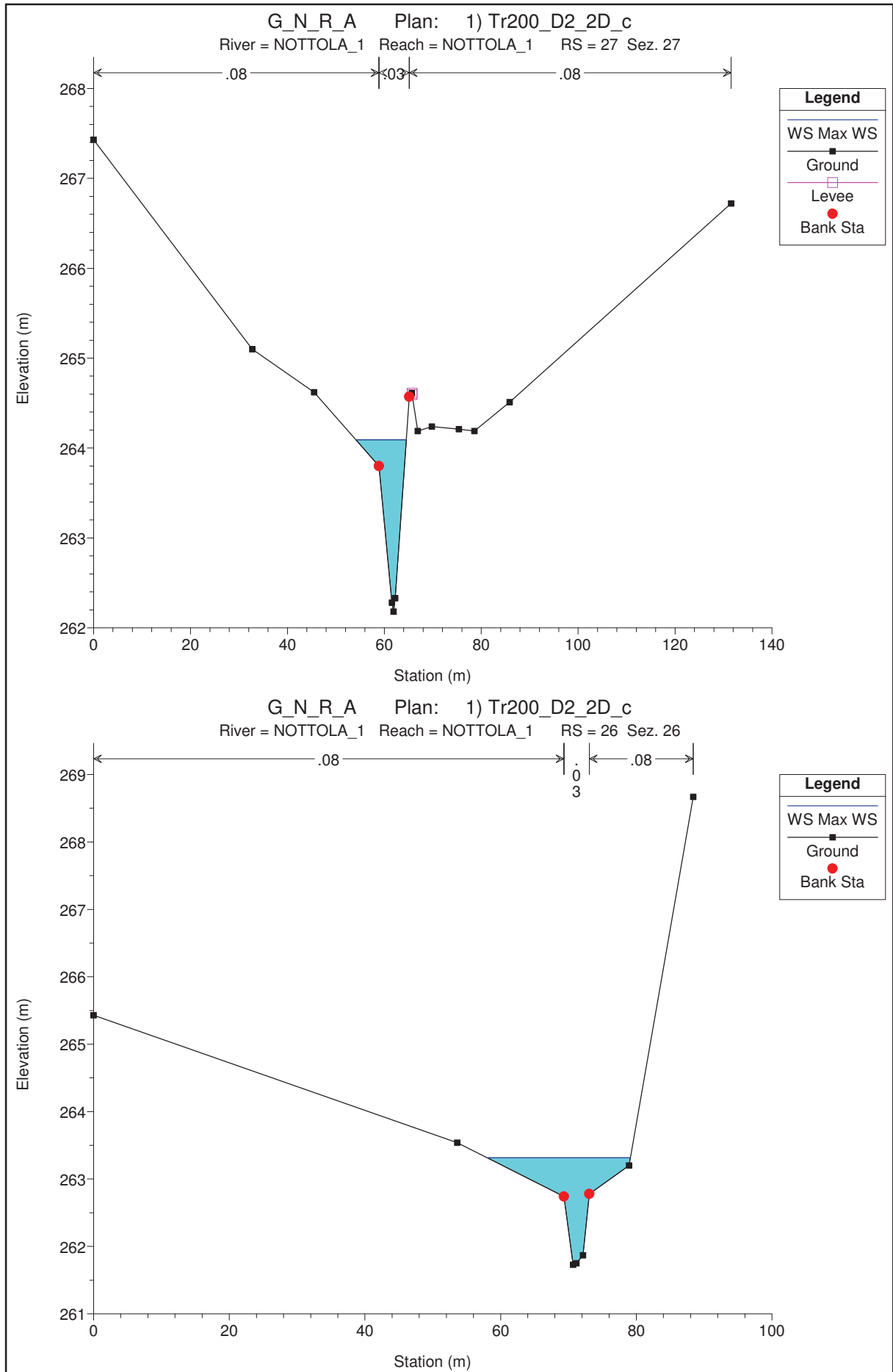
MODELLAZIONE HEC-RAS 5.0.3 "Montepulciano stazione"

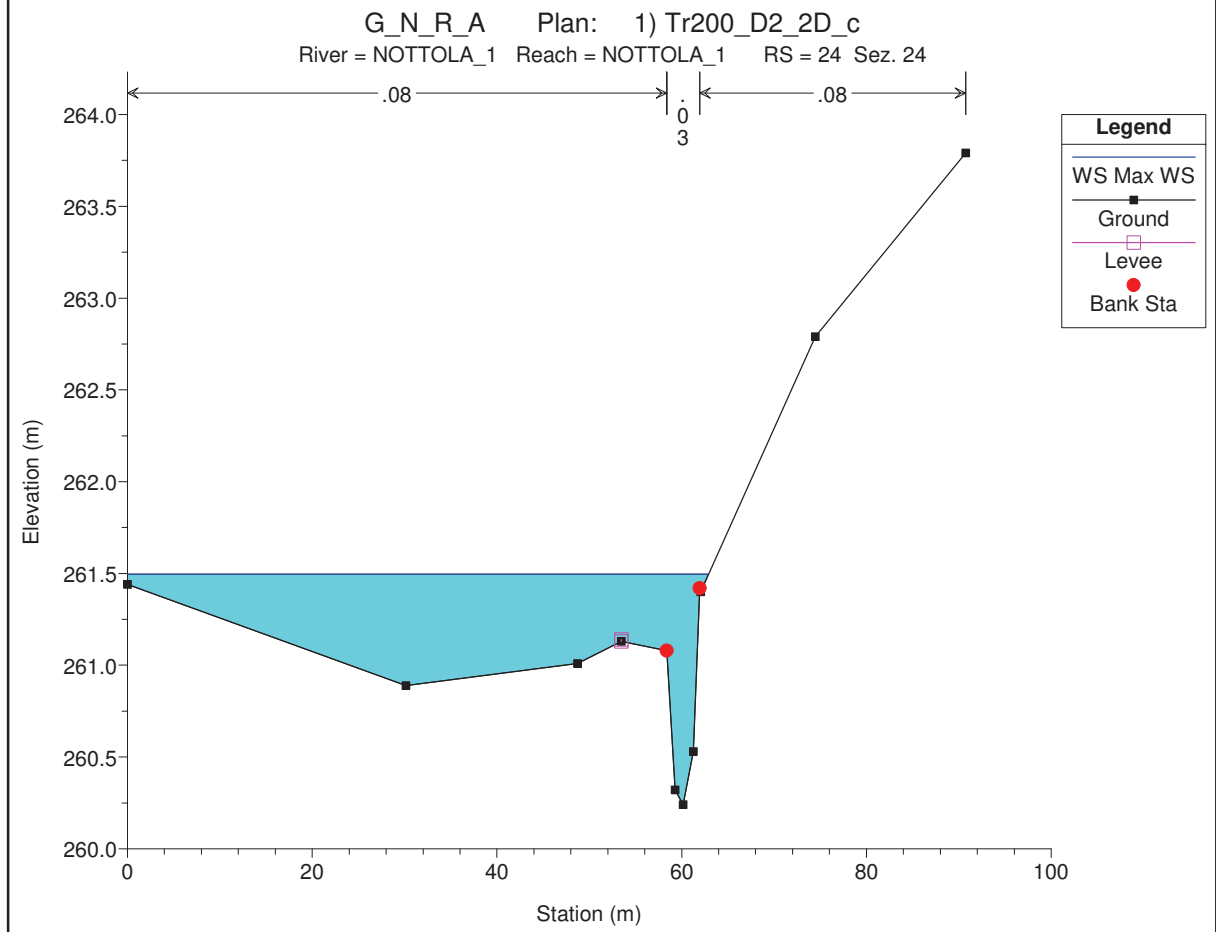
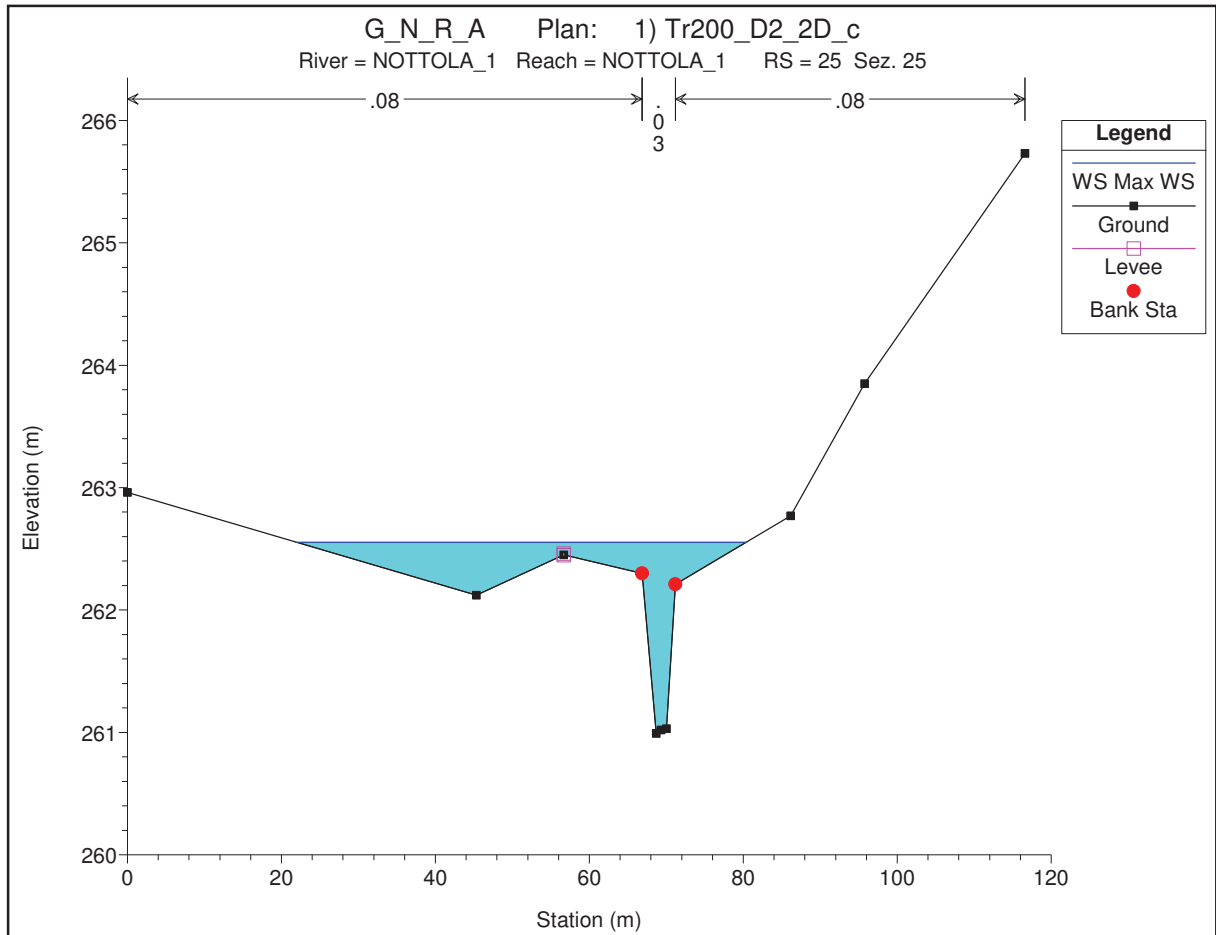
CANALE DOCCIA DI MOTTOLA

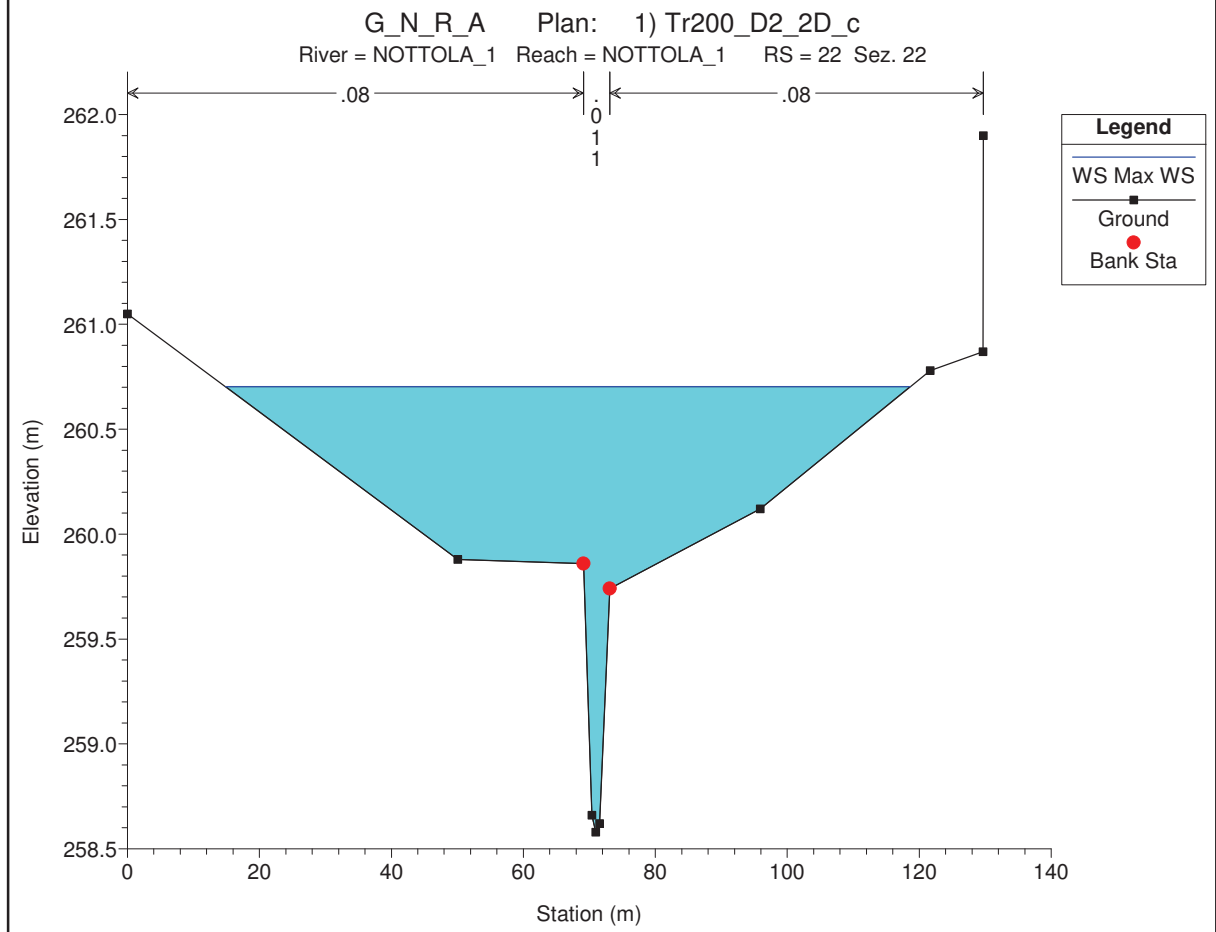
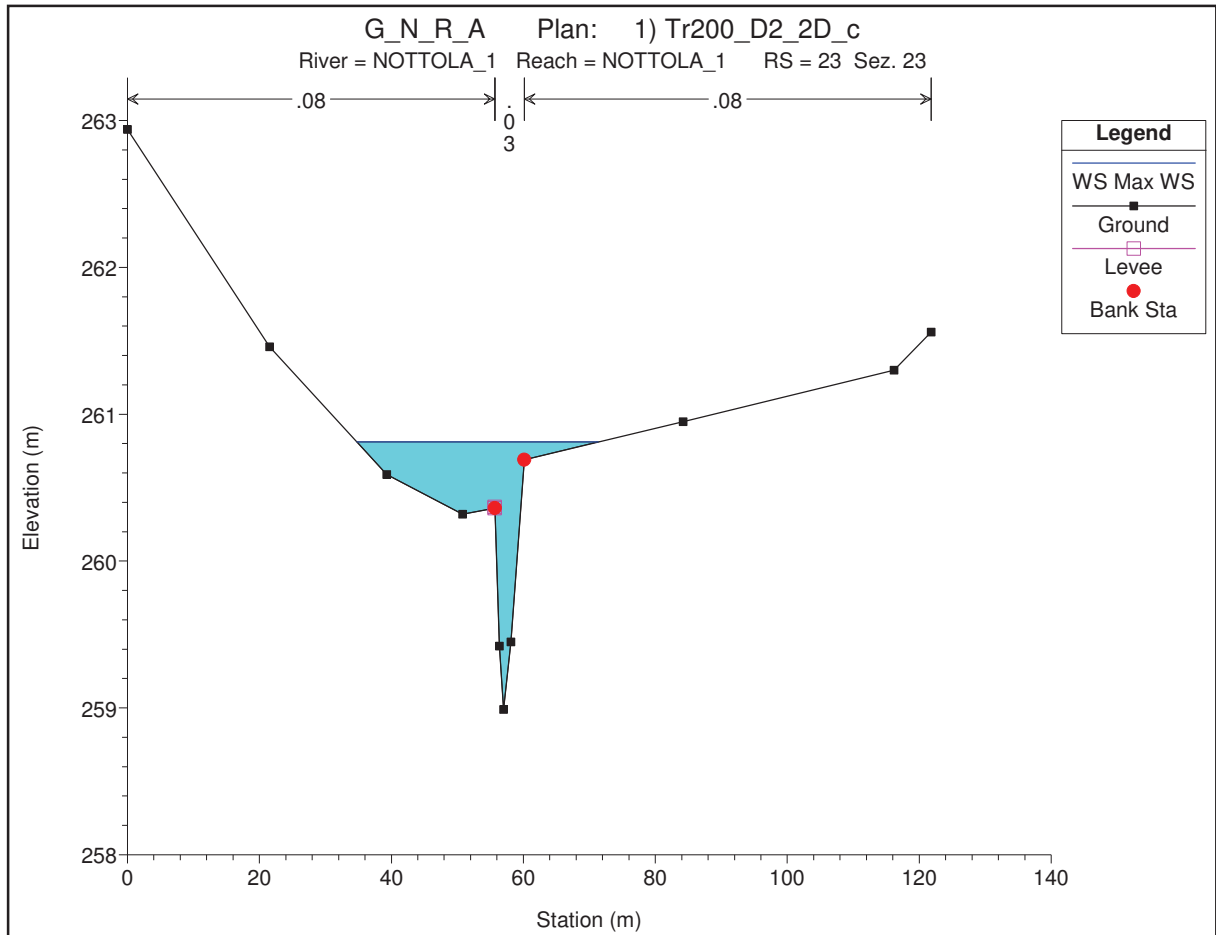
MODELLAZIONE PER TR=200 anni

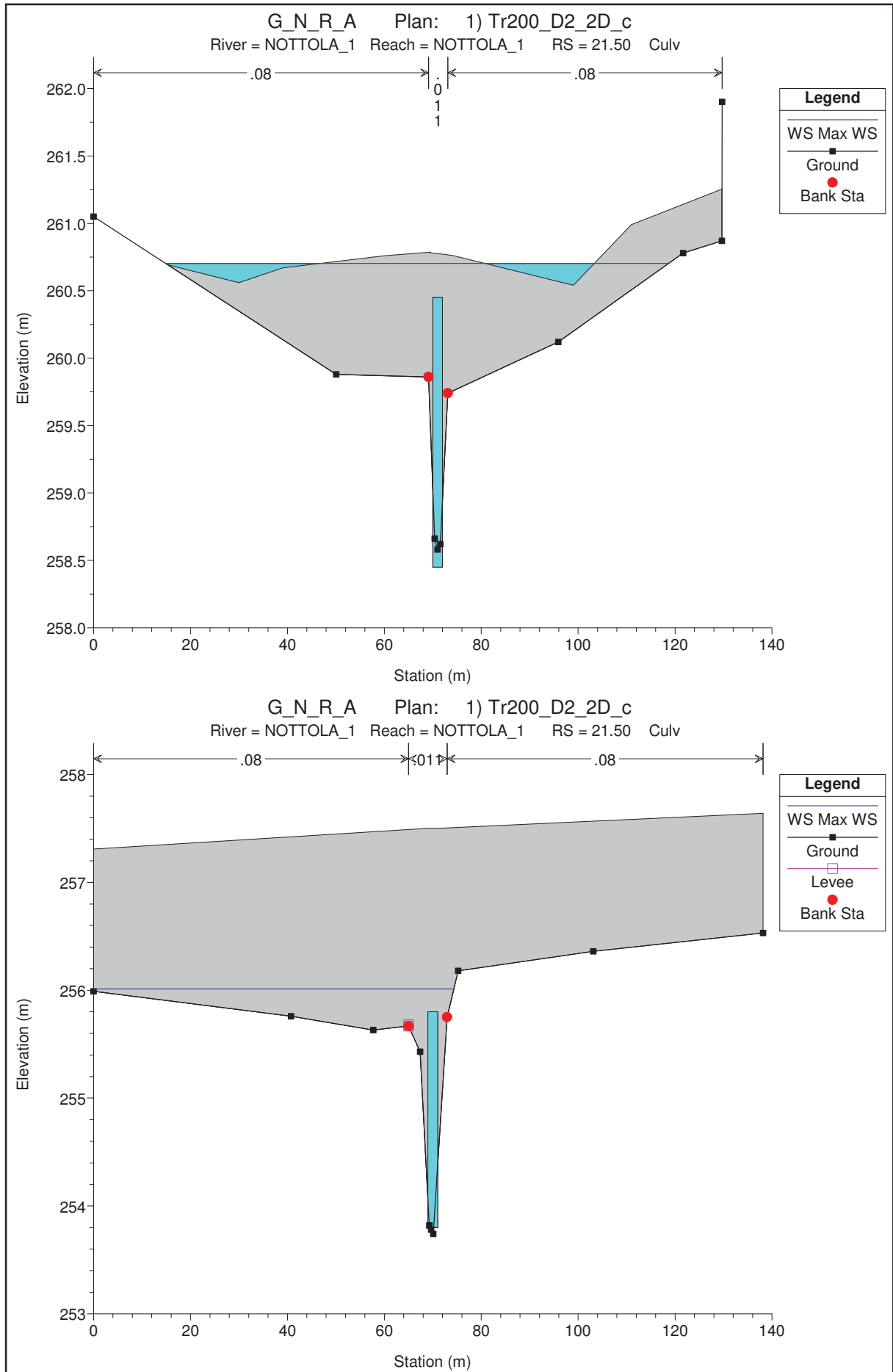
DURATE DI PIOGGIA: 2h

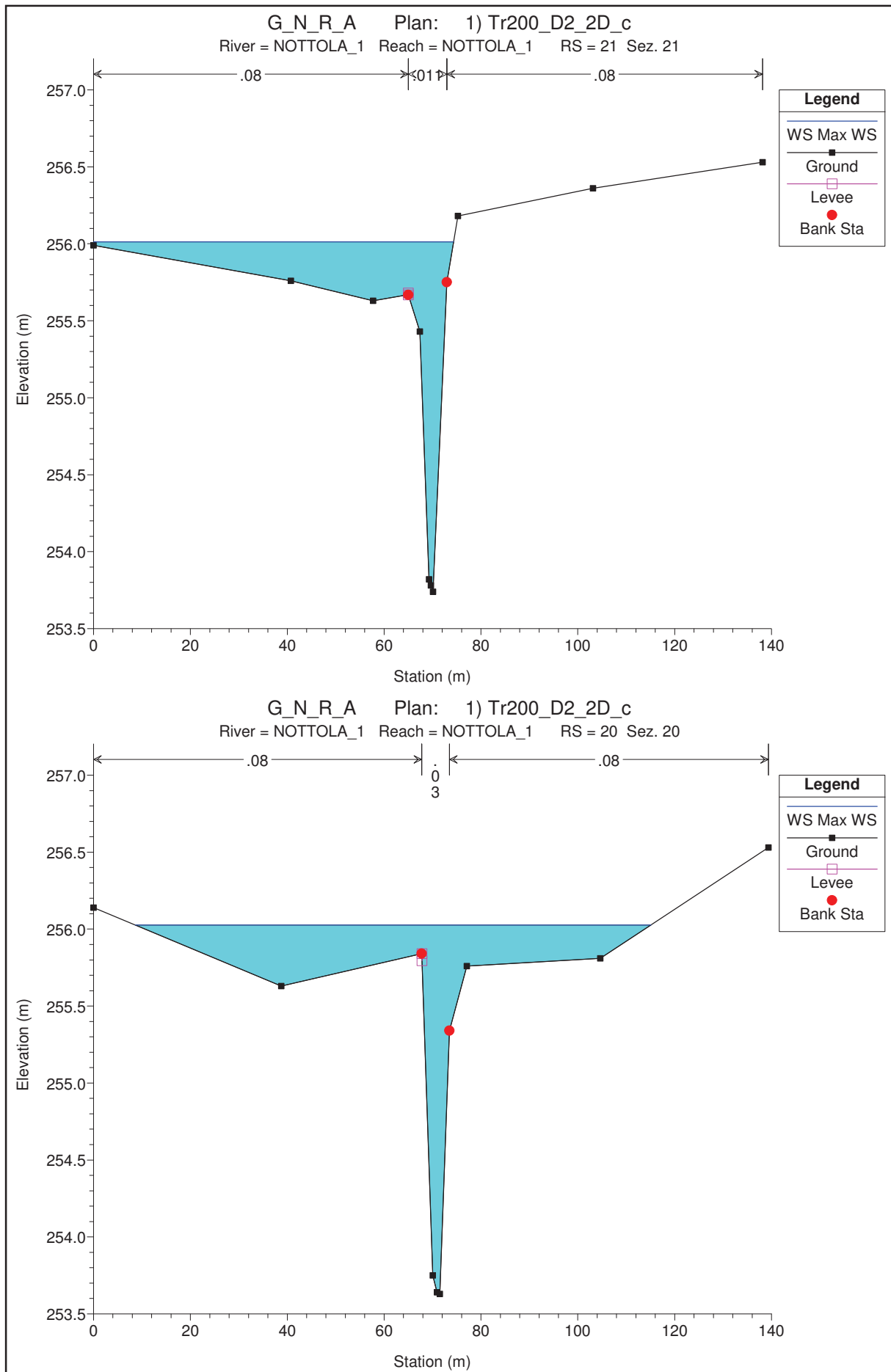
Sezioni Trasversali (da monte verso valle)

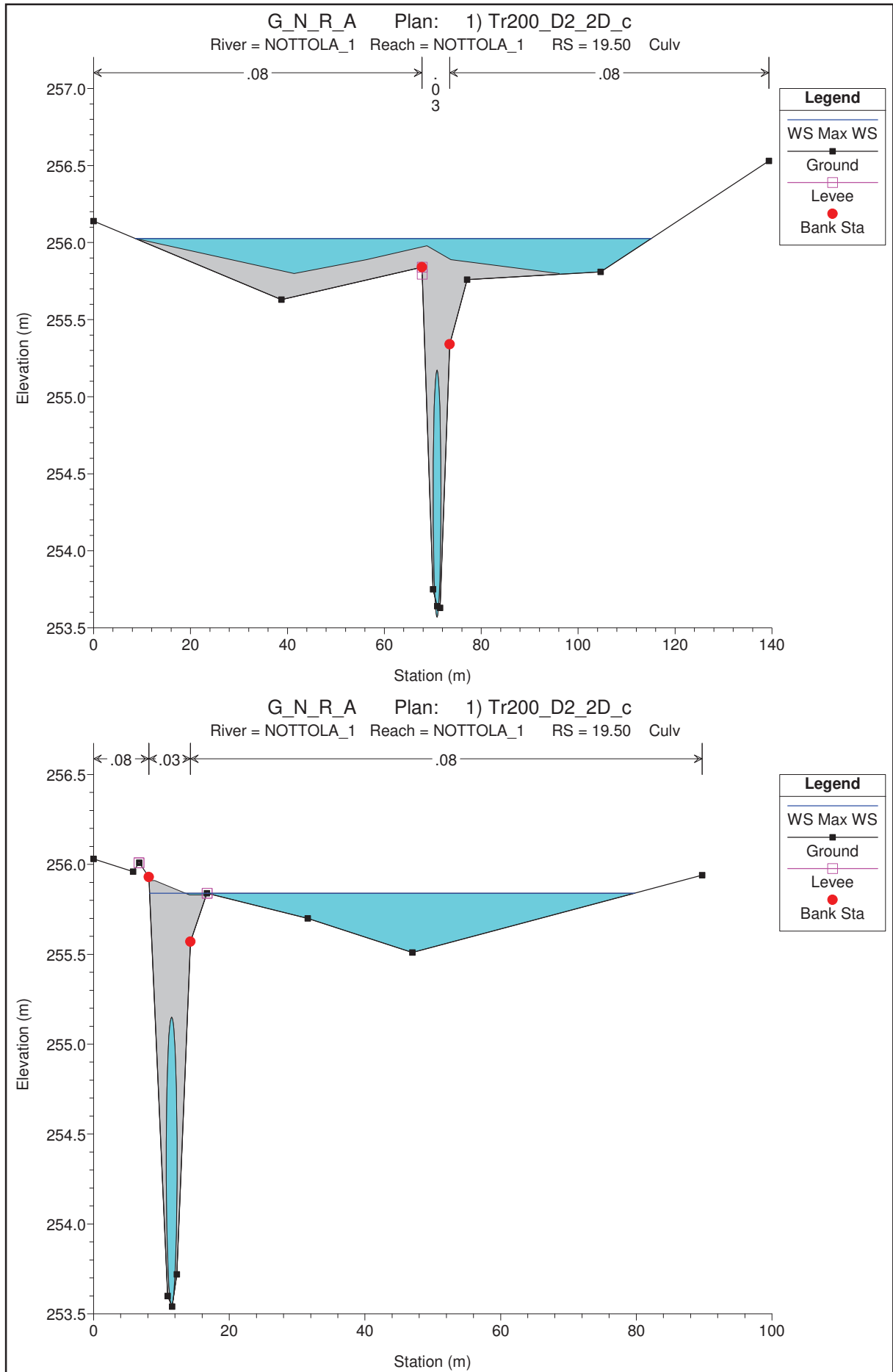


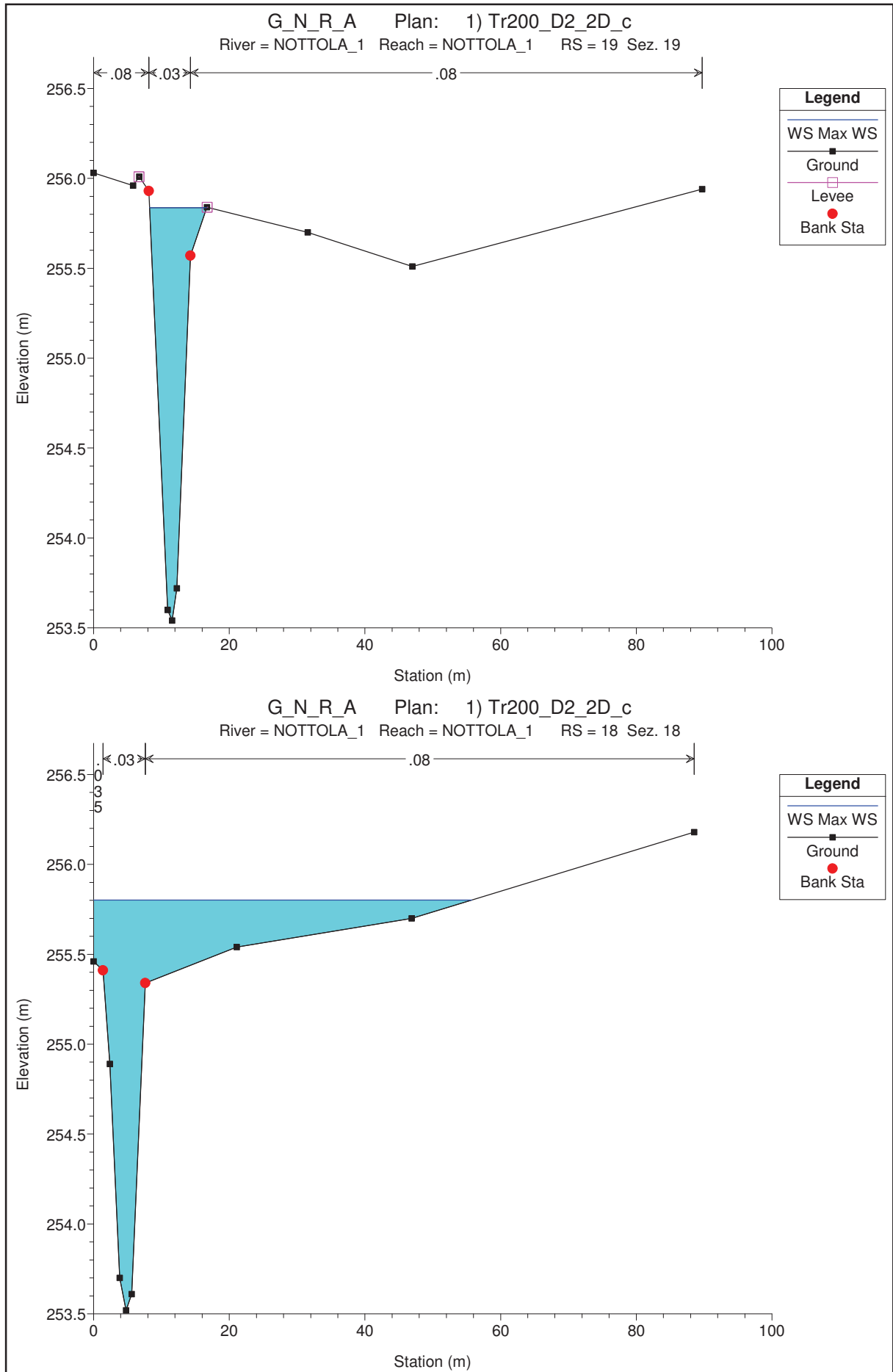


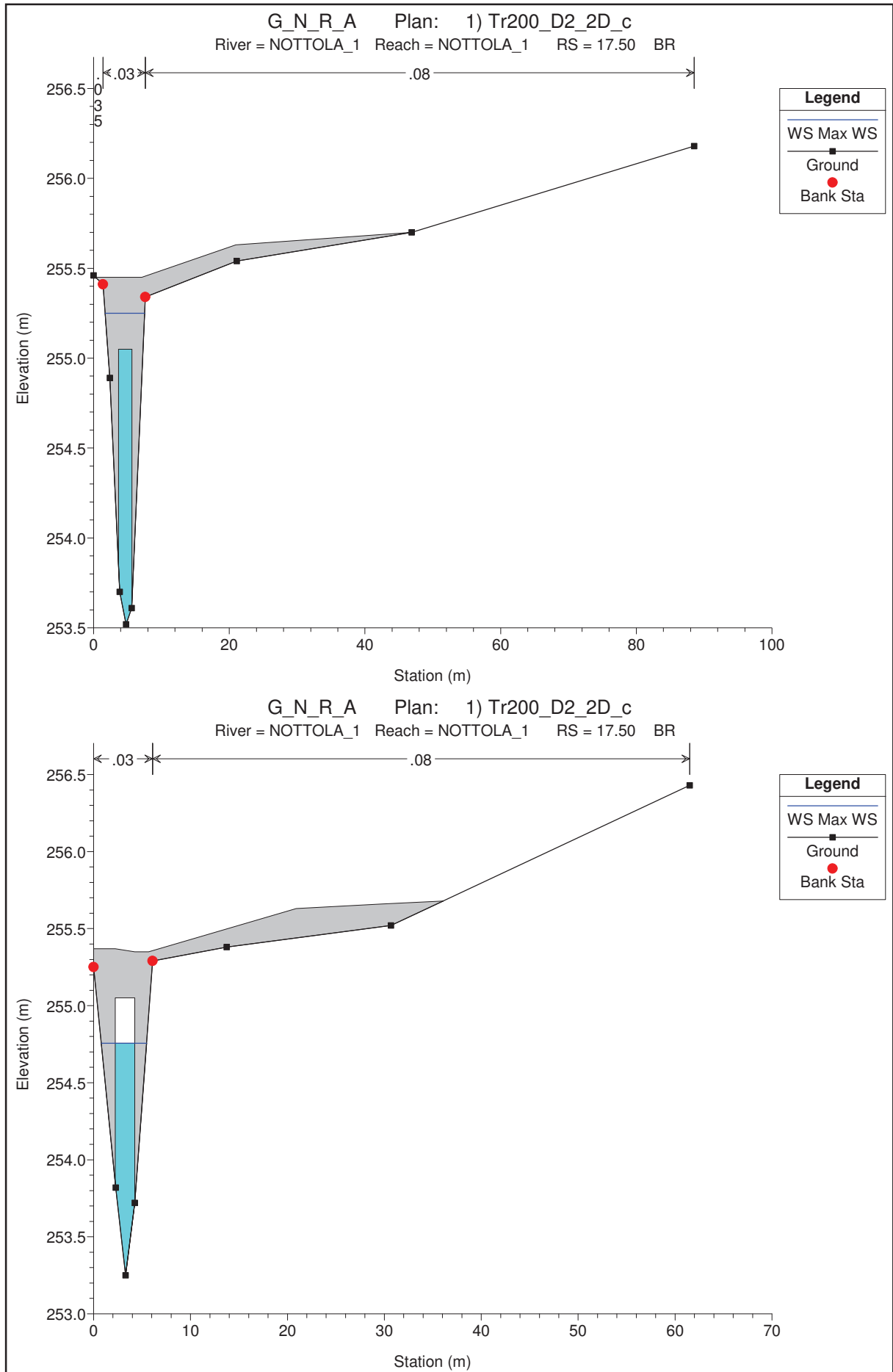


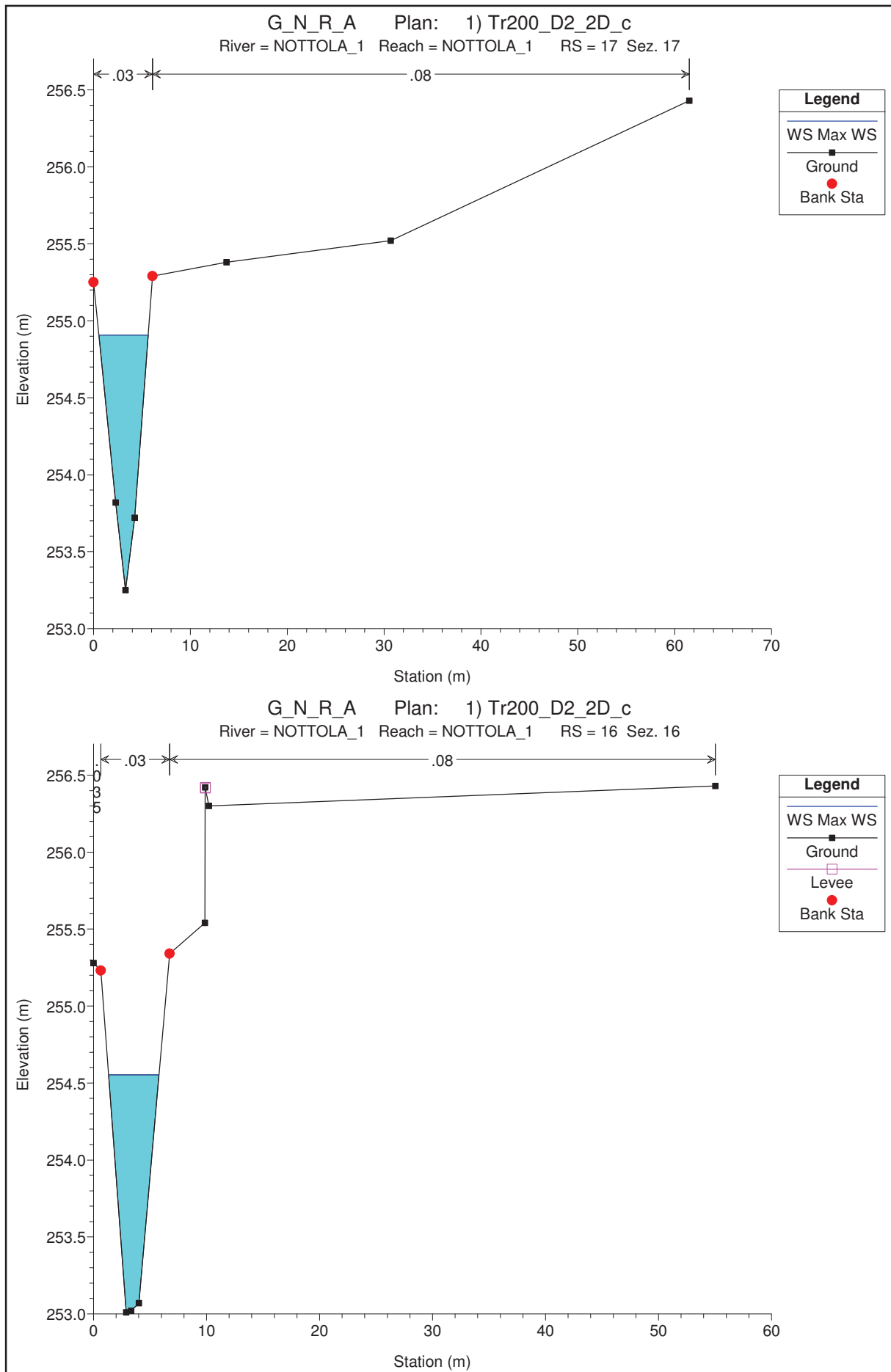


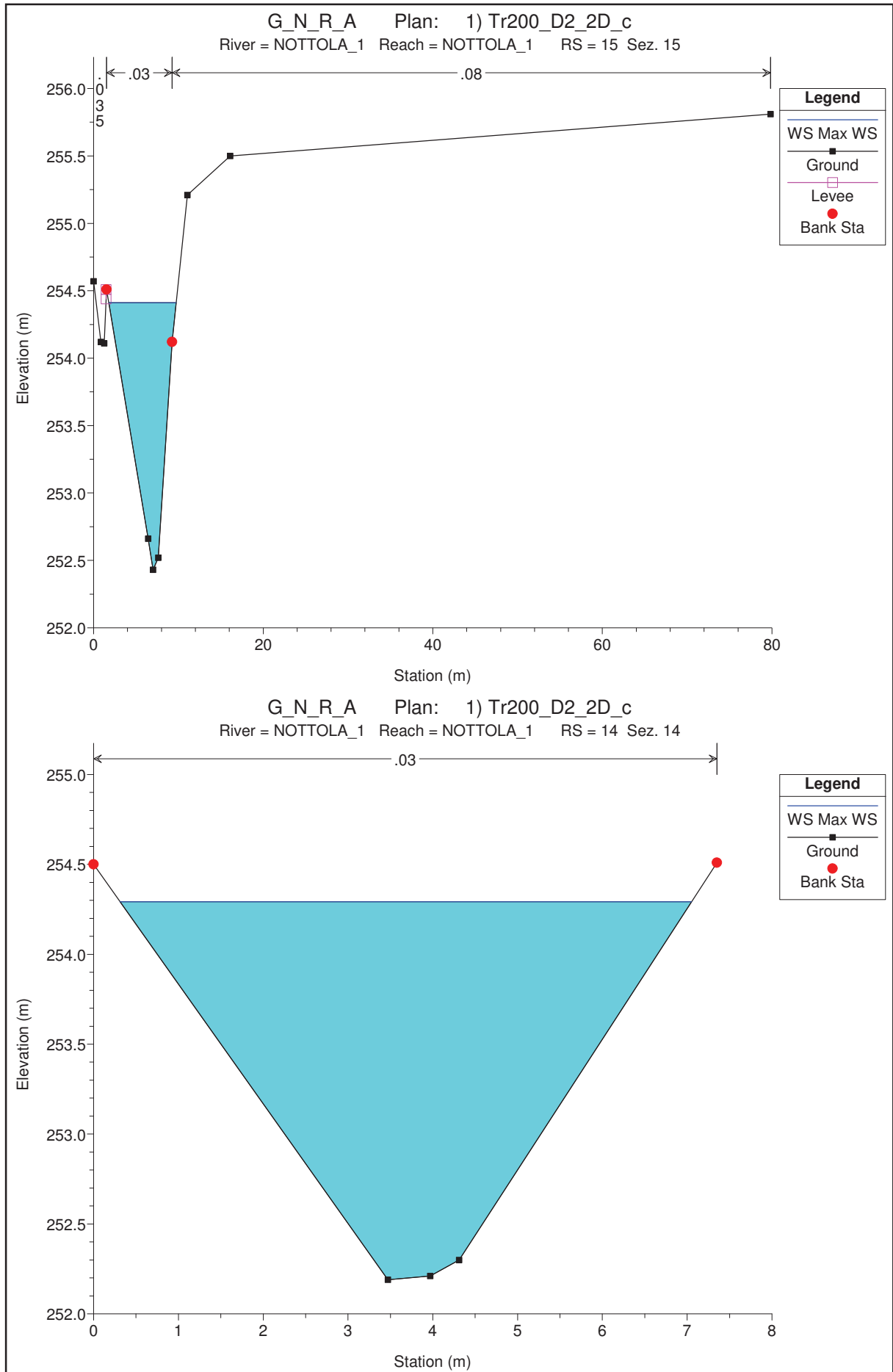


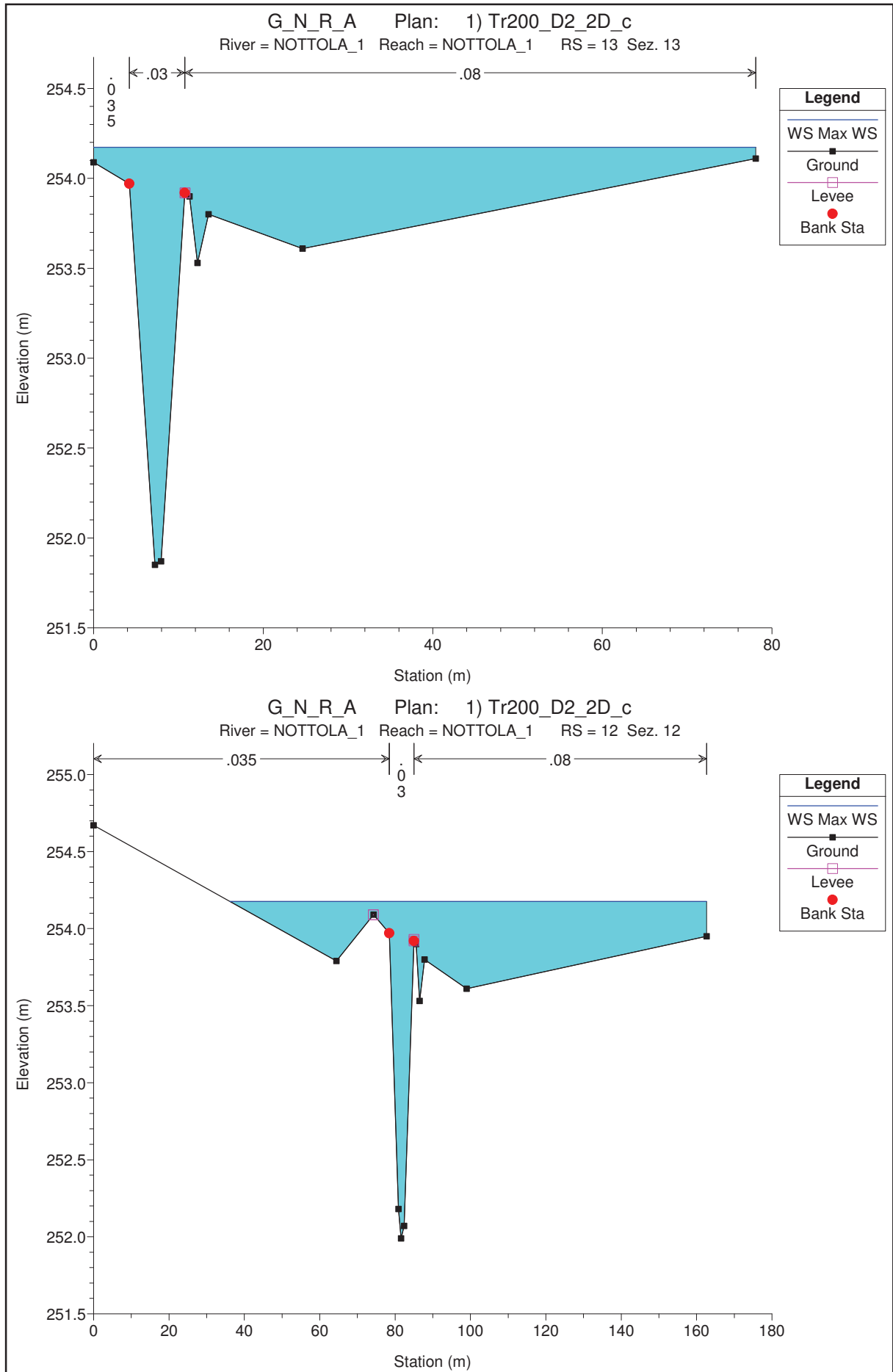


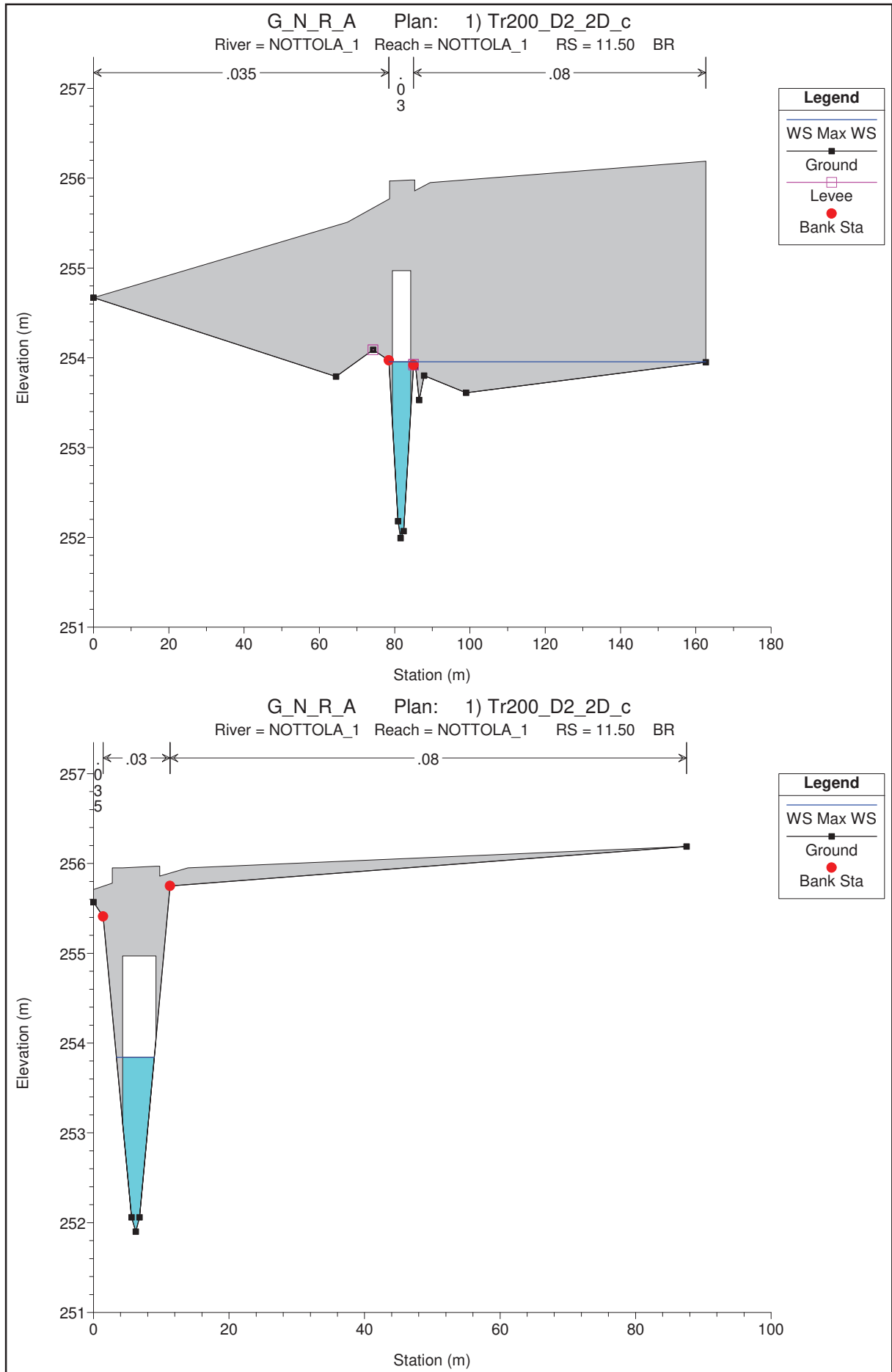


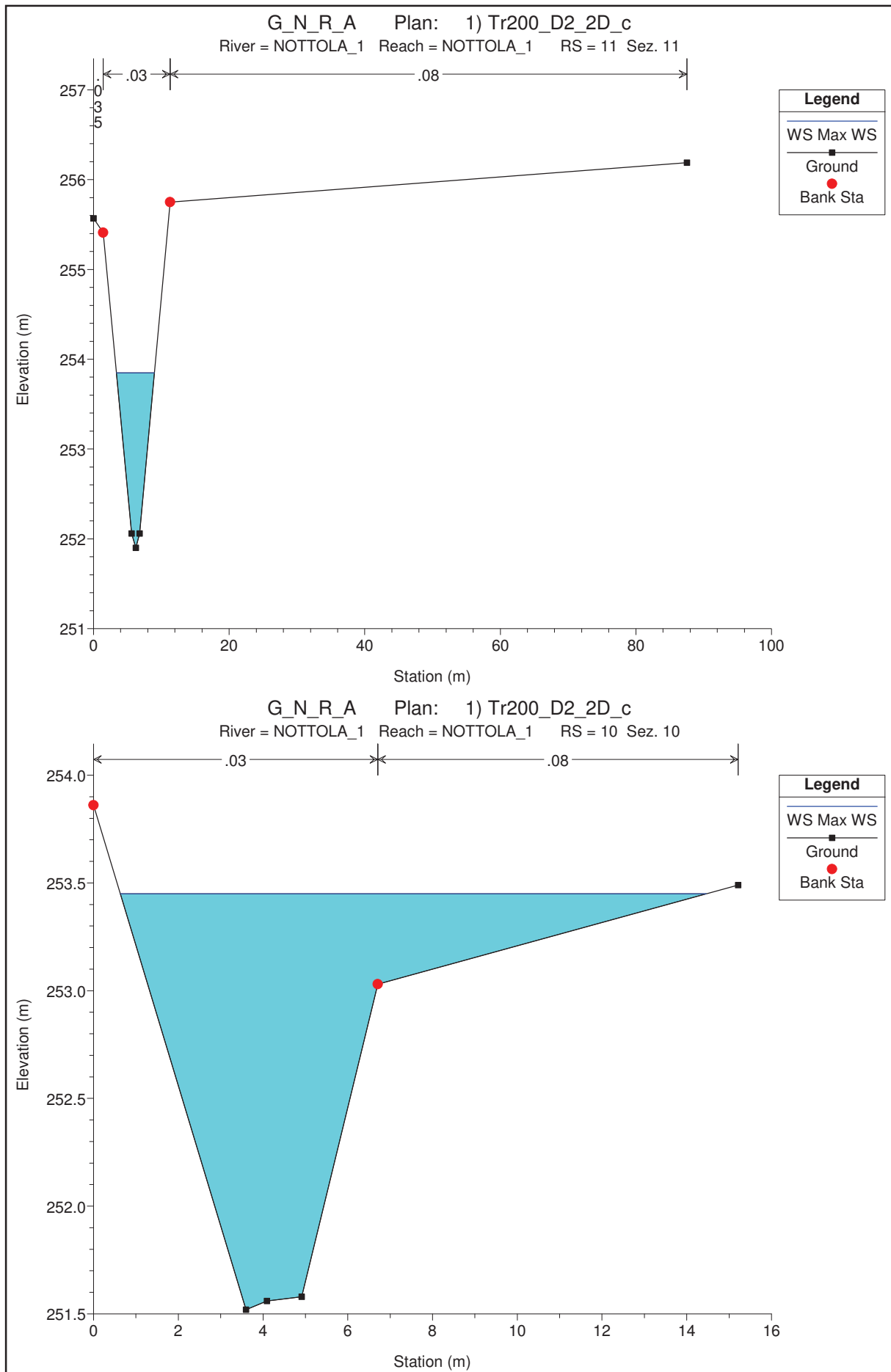


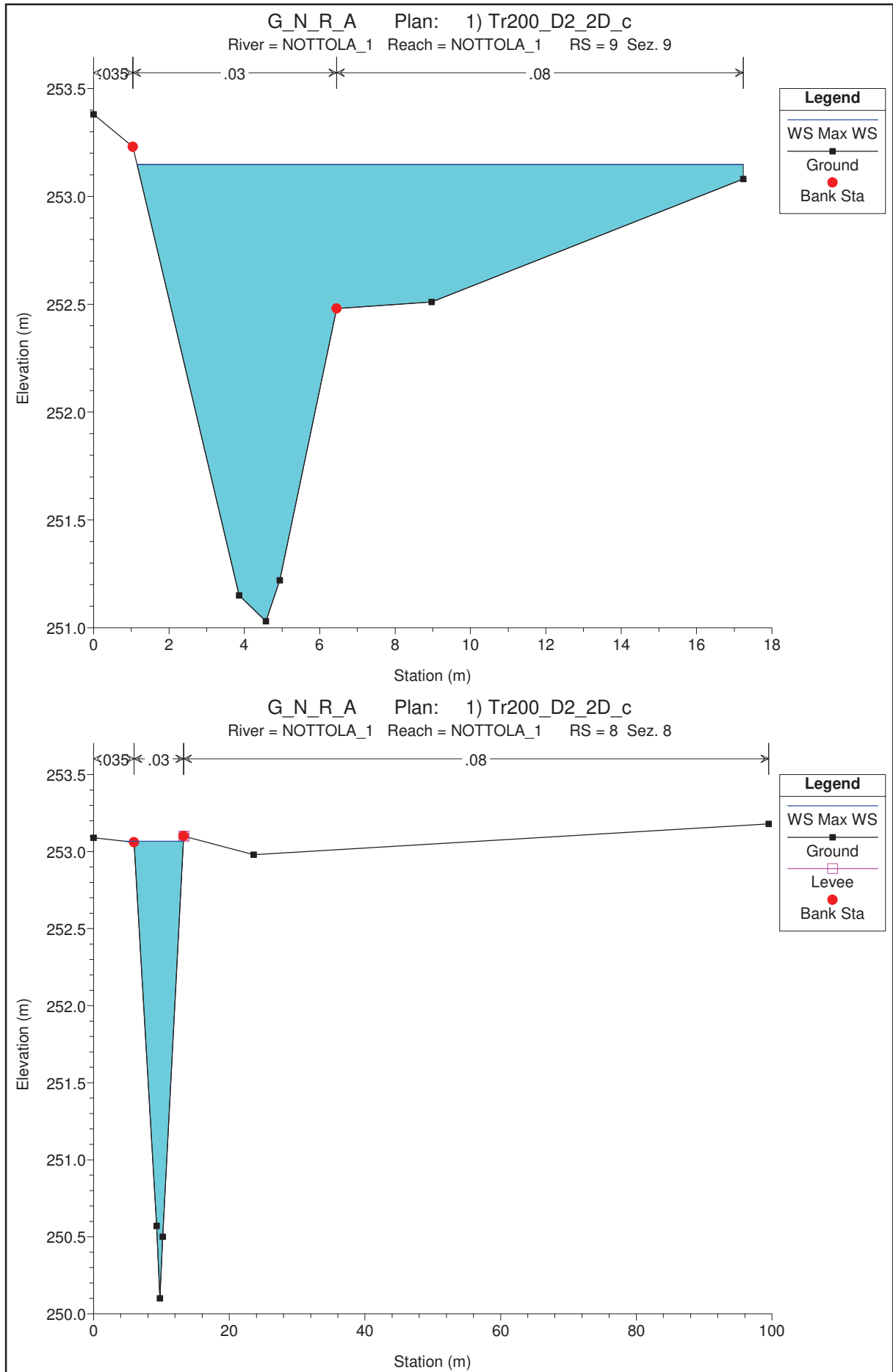


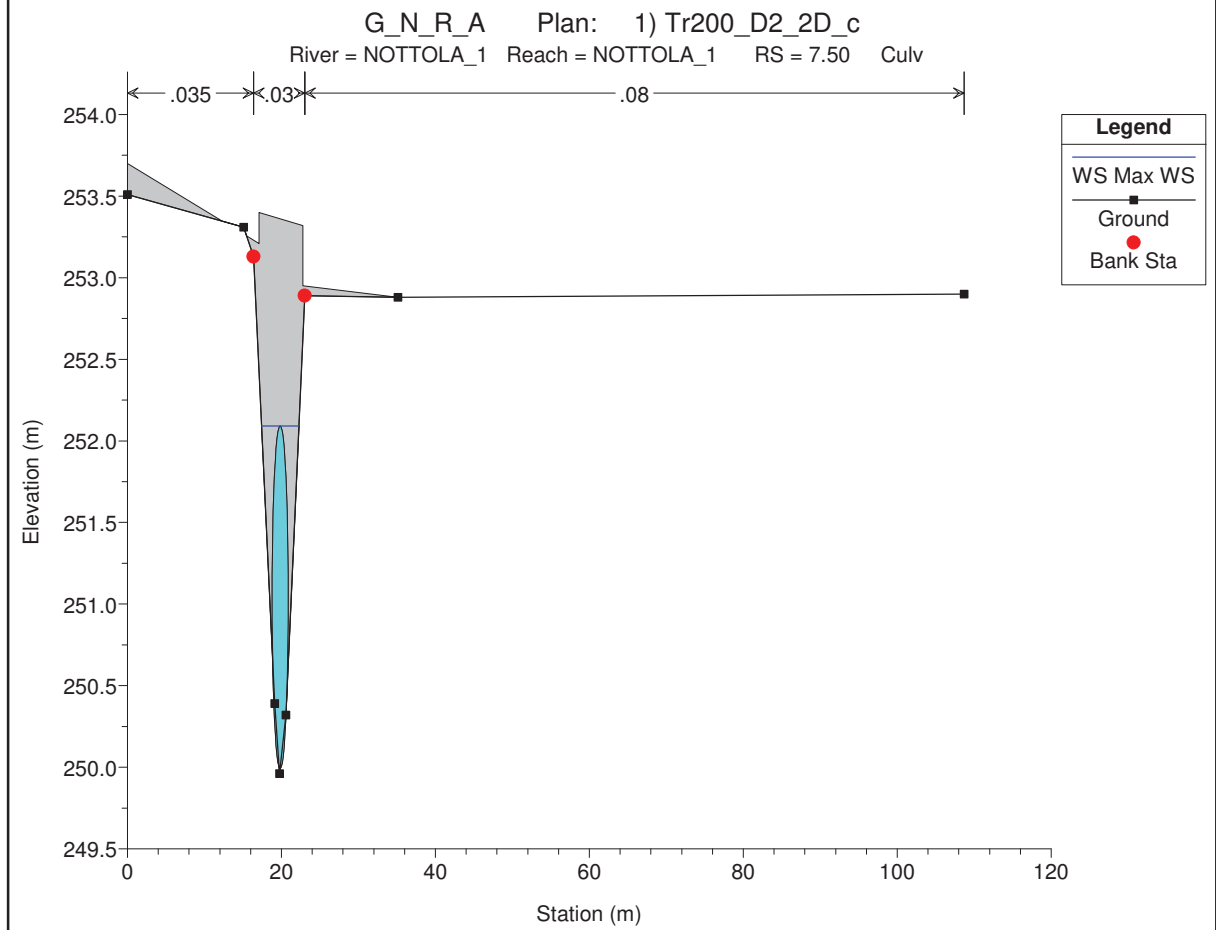
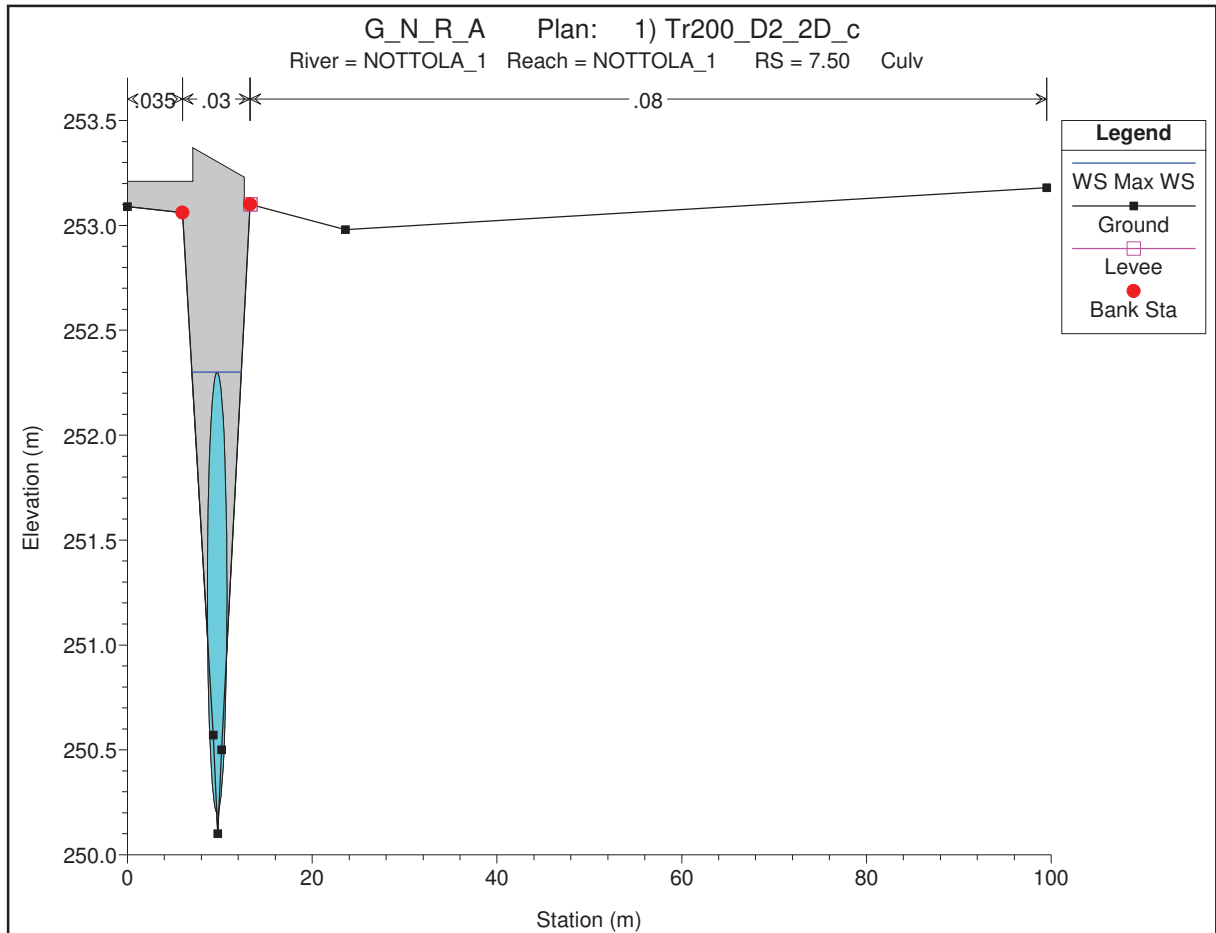


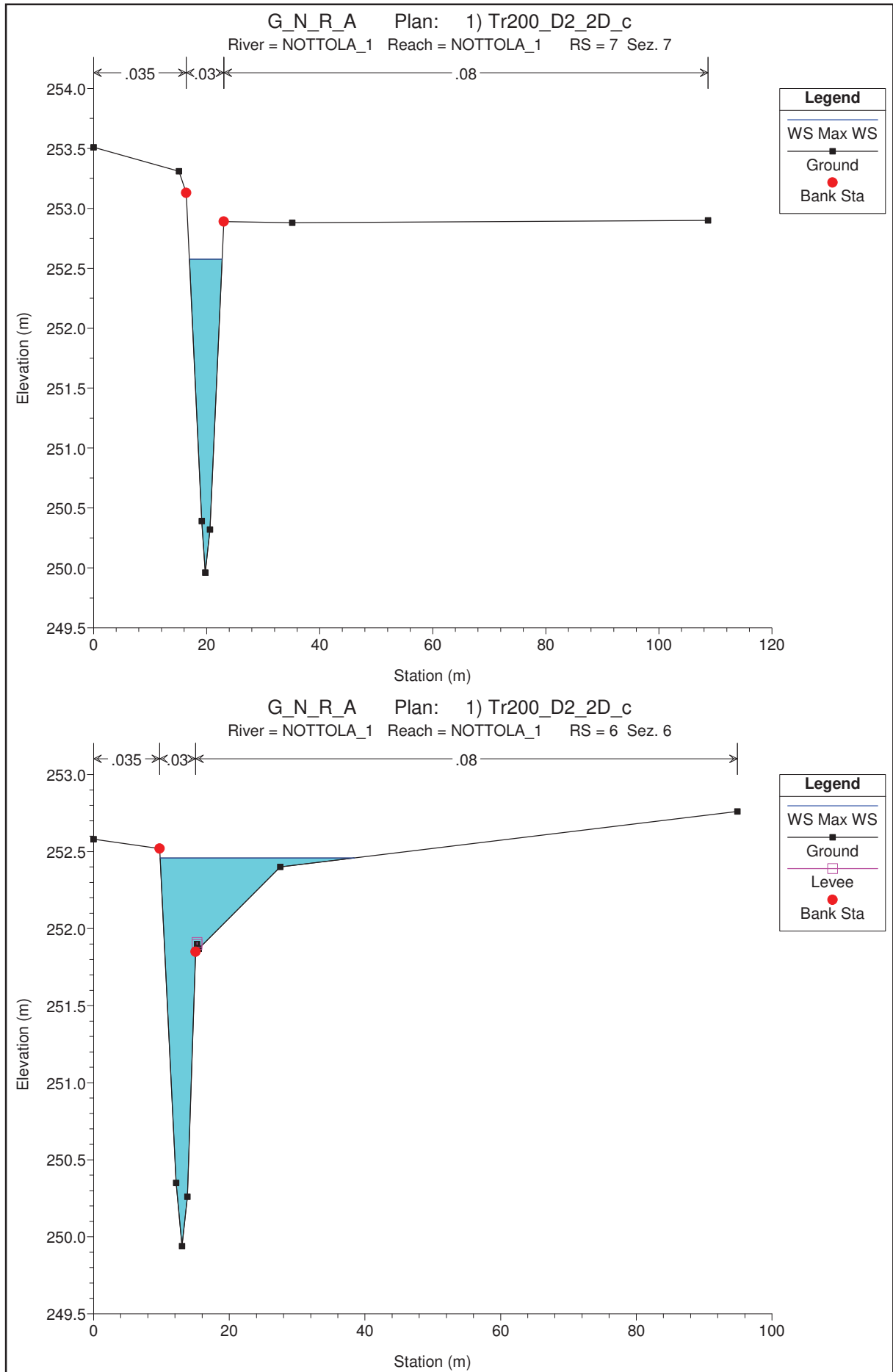


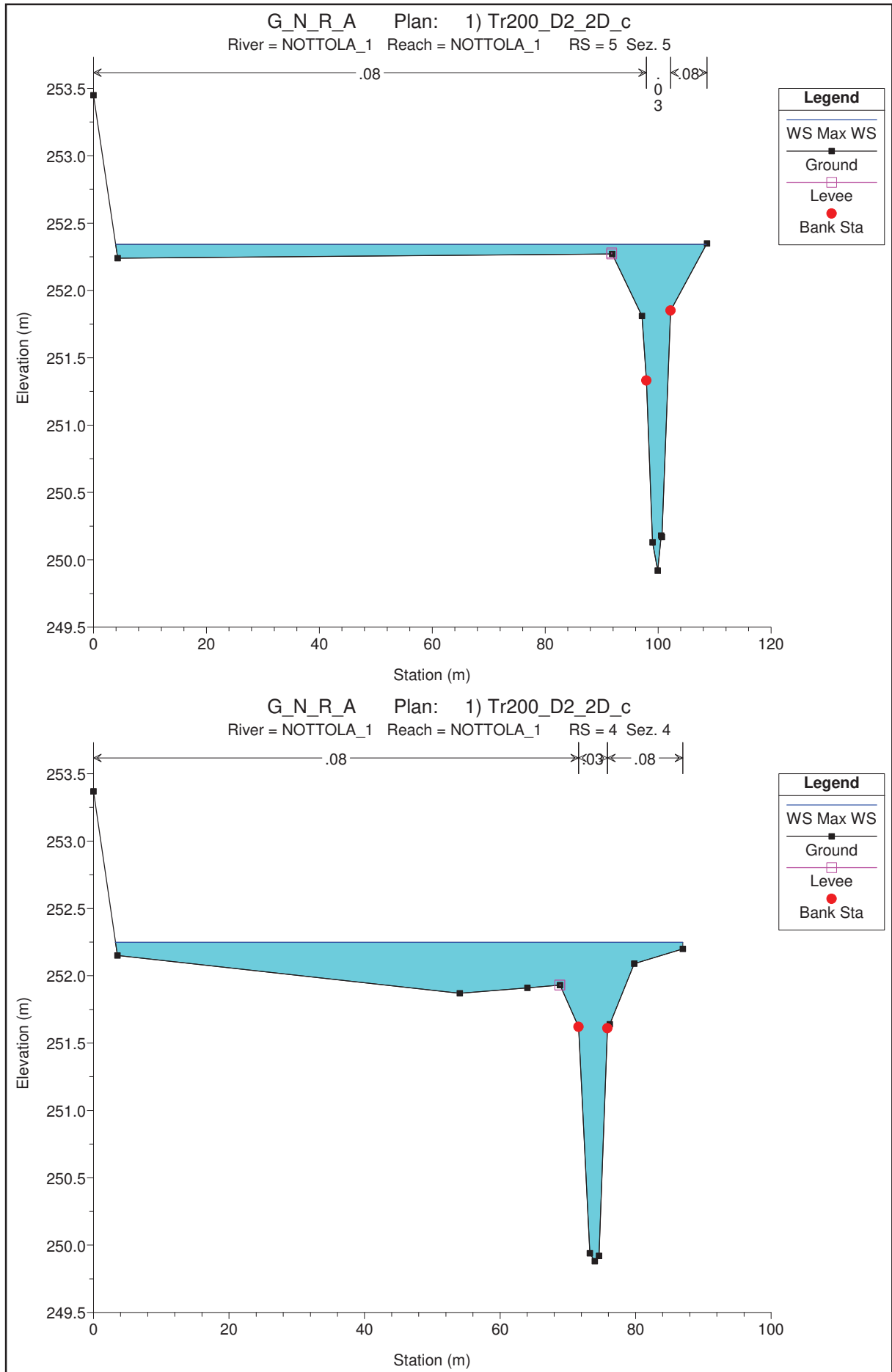


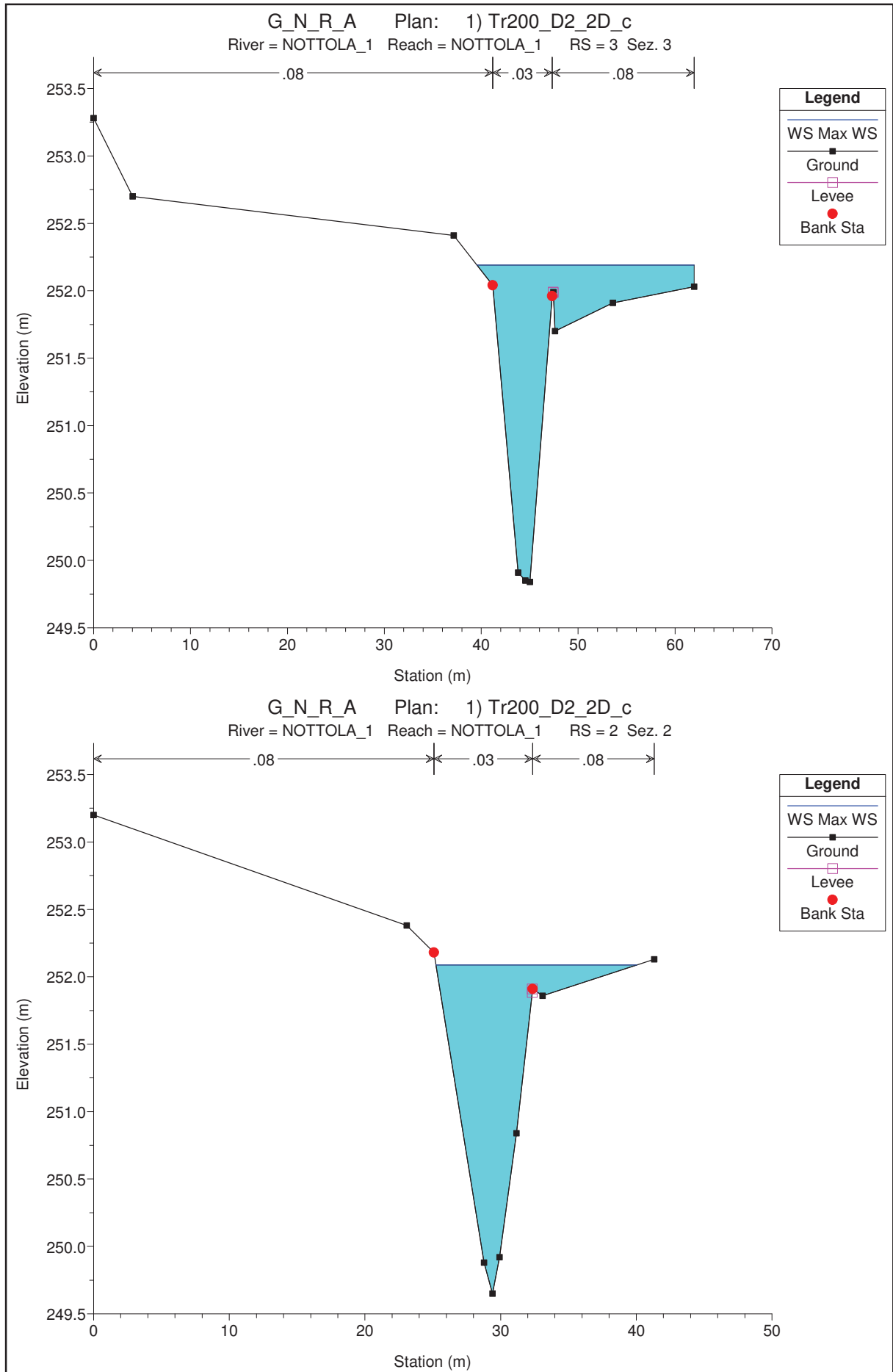


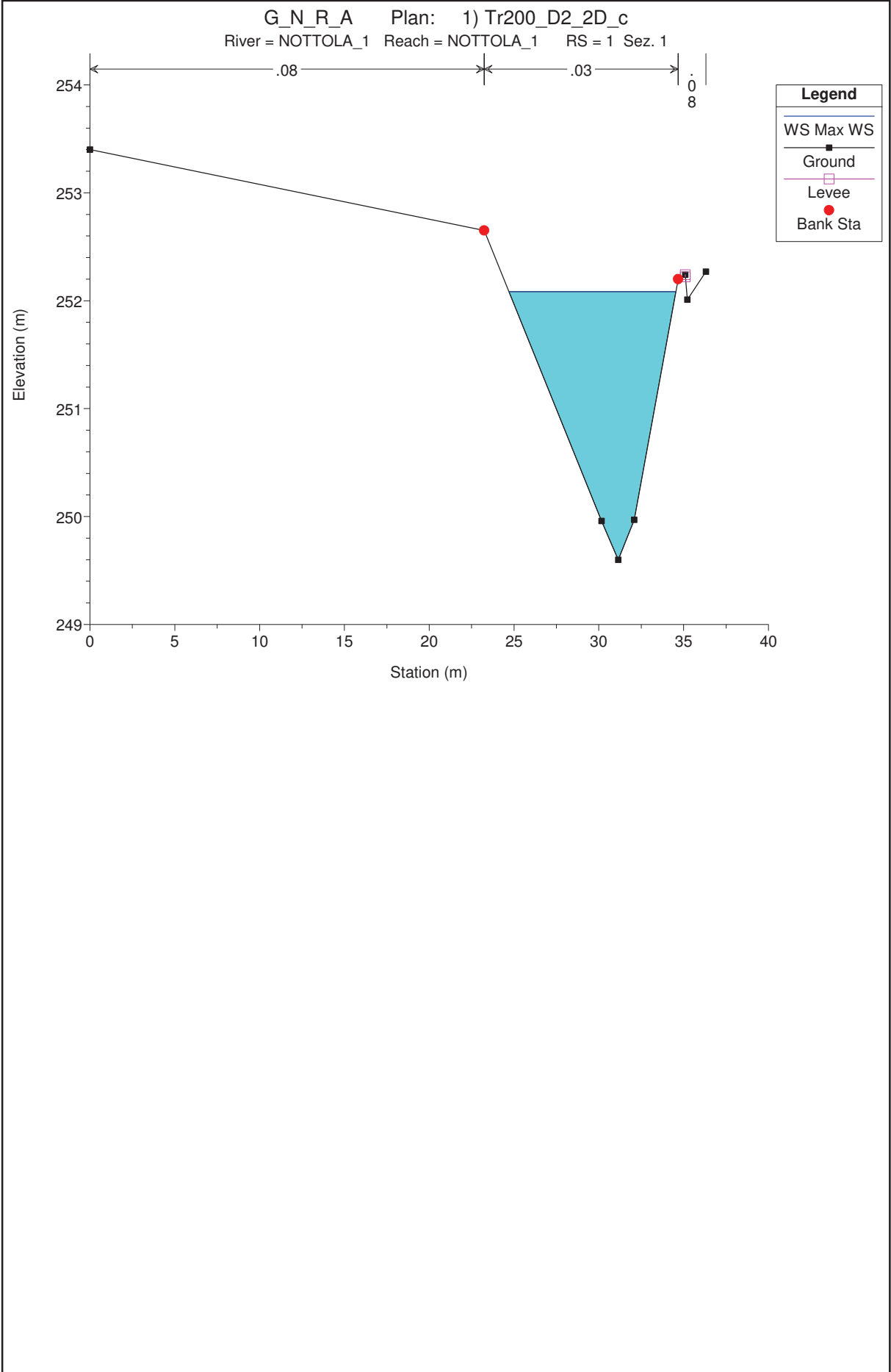














ALLEGATI

MODELLAZIONE HEC-RAS 5.0.3 "Montepulciano stazione"

CANALE DOCCIA DI MOTTOLA

MODELLAZIONE PER TR=30 anni

DURATE DI PIOGGIA: 2h

Dati idraulici

HEC-RAS Plan: Tr30_D2_2D_c River: NOTTOLA_1 Reach: NOTTOLA_1 Profile: Max WS

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
NOTTOLA_1	27	Max WS	9.20	262.18	263.83		264.03	0.005256	1.98	4.65	5.74	0.68
NOTTOLA_1	26	Max WS	9.20	261.73	263.09	263.00	263.34	0.006067	2.31	5.57	14.80	0.74
NOTTOLA_1	25	Max WS	8.83	260.99	262.40	262.18	262.62	0.005446	2.10	4.97	16.30	0.69
NOTTOLA_1	24	Max WS	9.17	260.24	261.34		261.39	0.003632	1.53	17.79	56.15	0.55
NOTTOLA_1	23	Max WS	9.09	258.99	260.58	260.51	260.79	0.006057	2.12	6.52	20.21	0.71
NOTTOLA_1	22	Max WS	9.01	258.58	260.44		260.49	0.000140	1.18	36.52	82.06	0.32
NOTTOLA_1	21.50	Tratto Intubato										
NOTTOLA_1	21	Max WS	9.01	253.74	255.98		256.02	0.000115	0.95	20.57	72.34	0.29
NOTTOLA_1	20	Max WS	9.01	253.63	255.99		256.01	0.000428	0.80	28.90	101.32	0.20
NOTTOLA_1	19.50	Via Marsala										
NOTTOLA_1	19	Max WS	9.01	253.54	255.66		255.74	0.001347	1.23	7.37	6.63	0.35
NOTTOLA_1	18.81											
NOTTOLA_1	18	Max WS	7.81	253.52	255.63	254.62	255.67	0.000639	0.91	11.68	35.04	0.25
NOTTOLA_1	17.50	Via Monza										
NOTTOLA_1	17	Max WS	7.81	253.25	254.84		255.02	0.004997	1.87	4.16	4.91	0.65
NOTTOLA_1	16	Max WS	7.81	253.01	254.46		254.67	0.005862	2.04	3.83	4.25	0.69
NOTTOLA_1	15	Max WS	7.84	252.43	254.22		254.29	0.001514	1.16	6.76	7.13	0.38
NOTTOLA_1	14	Max WS	7.88	252.19	254.01		254.10	0.001911	1.31	6.01	5.93	0.42
NOTTOLA_1	13.9											
NOTTOLA_1	13	Max WS	7.92	251.85	253.77		253.85	0.001568	1.22	6.49	6.07	0.38
NOTTOLA_1	12.92											
NOTTOLA_1	12	Max WS	7.93	251.99	253.73	253.14	253.82	0.001880	1.31	6.05	5.95	0.41
NOTTOLA_1	11.50	Via Milazzo										
NOTTOLA_1	11	Max WS	7.93	251.90	253.57		253.71	0.003569	1.69	4.70	4.91	0.55
NOTTOLA_1	10	Max WS	7.95	251.52	253.20		253.29	0.001879	1.33	6.22	8.88	0.42
NOTTOLA_1	9.92											
NOTTOLA_1	9	Max WS	7.95	251.03	252.92		253.00	0.001699	1.31	7.94	13.40	0.39
NOTTOLA_1	8.92											
NOTTOLA_1	8	Max WS	7.99	250.10	252.75		252.80	0.000821	0.95	8.37	6.47	0.27
NOTTOLA_1	7.50	Strada Vicinale										
NOTTOLA_1	7	Max WS	7.94	249.96	252.43		252.49	0.001001	1.06	7.50	5.50	0.29
NOTTOLA_1	6	Max WS	7.92	249.94	252.32		252.37	0.000860	1.03	9.84	15.74	0.27
NOTTOLA_1	5.9											
NOTTOLA_1	5	Max WS	7.88	249.92	252.21		252.27	0.000763	1.07	9.37	14.38	0.27
NOTTOLA_1	4	Max WS	7.88	249.88	252.15		252.19	0.000625	0.95	19.91	79.37	0.23
NOTTOLA_1	3.9											
NOTTOLA_1	3	Max WS	7.89	249.84	252.05		252.10	0.000755	0.95	10.34	20.93	0.26
NOTTOLA_1	2	Max WS	7.91	249.65	251.98		252.02	0.000695	0.90	9.04	11.29	0.26
NOTTOLA_1	1	Max WS	7.92	249.60	251.97		252.00	0.000358	0.67	11.77	9.43	0.19



ALLEGATI

MODELLAZIONE HEC-RAS 5.0.3 "Montepulciano stazione"

CANALE DOCCIA DI MOTTOLA

MODELLAZIONE PER TR=200 anni

DURATE DI PIOGGIA: 2h

Dati idraulici

HEC-RAS Plan: Tr200_D2_2D_c River: NOTTOLA_1 Reach: NOTTOLA_1 Profile: Max WS

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
NOTTOLA_1	27	Max WS	14.69	262.18	264.09		264.38	0.005761	2.38	6.80	10.43	0.73
NOTTOLA_1	26	Max WS	14.70	261.73	263.32	263.32	263.63	0.006271	2.70	9.77	21.09	0.78
NOTTOLA_1	25	Max WS	14.68	260.99	262.55	262.58	262.75	0.005327	2.29	16.20	58.29	0.70
NOTTOLA_1	24	Max WS	14.67	260.24	261.50		261.55	0.003152	1.58	27.45	62.90	0.52
NOTTOLA_1	23	Max WS	14.66	258.99	260.81	260.77	261.03	0.005582	2.32	12.52	36.54	0.70
NOTTOLA_1	22	Max WS	14.65	258.58	260.70		260.76	0.000150	1.37	61.16	103.76	0.34
NOTTOLA_1	21	Tratto Intubato										
NOTTOLA_1	21	Max WS	11.89	253.74	256.01		256.08	0.000177	1.21	23.02	74.35	0.36
NOTTOLA_1	20	Max WS	14.63	253.63	256.03		256.08	0.000935	1.20	33.20	106.47	0.30
NOTTOLA_1	19.50	Via Marsala										
NOTTOLA_1	19	Max WS	14.64	253.54	255.84		255.99	0.002393	1.74	8.69	8.42	0.47
NOTTOLA_1	18.81	Lat Struct										
NOTTOLA_1	18	Max WS	8.63	253.52	255.80	254.68	255.83	0.000430	0.81	19.92	55.73	0.21
NOTTOLA_1	17.50	Via Monza										
NOTTOLA_1	17	Max WS	8.63	253.25	254.91		255.09	0.004916	1.91	4.51	5.10	0.65
NOTTOLA_1	16	Max WS	8.16	253.01	254.55		254.74	0.004932	1.93	4.22	4.45	0.63
NOTTOLA_1	15	Max WS	8.10	252.43	254.41		254.46	0.000959	1.00	8.16	7.94	0.31
NOTTOLA_1	14	Max WS	8.15	252.19	254.29		254.35	0.001026	1.05	7.79	6.74	0.31
NOTTOLA_1	13.9	Lat Struct										
NOTTOLA_1	13	Max WS	12.75	251.85	254.17		254.21	0.000709	0.97	32.85	78.10	0.26
NOTTOLA_1	12.92	Lat Struct										
NOTTOLA_1	12	Max WS	11.68	251.99	254.18	253.37	254.19	0.000349	0.68	49.00	126.48	0.19
NOTTOLA_1	11.50	Via Milazzo										
NOTTOLA_1	11	Max WS	11.68	251.90	253.85		254.03	0.003765	1.90	6.16	5.60	0.58
NOTTOLA_1	10	Max WS	11.76	251.52	253.45		253.57	0.002059	1.55	9.03	13.83	0.45
NOTTOLA_1	9.92	Lat Struct										
NOTTOLA_1	9	Max WS	11.48	251.03	253.15		253.25	0.001799	1.47	11.44	16.09	0.41
NOTTOLA_1	8.92	Lat Struct										
NOTTOLA_1	8	Max WS	9.54	250.10	253.07		253.11	0.000635	0.91	10.53	8.70	0.24
NOTTOLA_1	7.50	Strada Vicinale										
NOTTOLA_1	7	Max WS	9.52	249.96	252.58		252.64	0.001093	1.14	8.32	5.78	0.30
NOTTOLA_1	6	Max WS	9.58	249.94	252.46		252.52	0.000931	1.12	12.51	28.60	0.29
NOTTOLA_1	5.9	Lat Struct										
NOTTOLA_1	5	Max WS	11.41	249.92	252.34	251.41	252.42	0.001088	1.34	18.98	104.61	0.32
NOTTOLA_1	4	Max WS	11.31	249.88	252.25		252.30	0.000795	1.11	28.35	83.72	0.27
NOTTOLA_1	3.9	Lat Struct										
NOTTOLA_1	3	Max WS	8.97	249.84	252.19		252.23	0.000650	0.94	13.29	22.42	0.25
NOTTOLA_1	2	Max WS	8.55	249.65	252.09		252.13	0.000624	0.89	10.47	14.81	0.25
NOTTOLA_1	1	Max WS	8.54	249.60	252.08		252.11	0.000331	0.67	12.83	9.84	0.19



ALLEGATI

MODELLAZIONE HEC-RAS 5.0.3 "Montepulciano stazione"

FOSSO ROVISCI

MODELLAZIONE PER TR=30 e 200 ANNI

DURATA DI PIOGGIA: 2h

Profilo longitudinale

Sezioni Trasversali

Dati idraulici



ALLEGATI

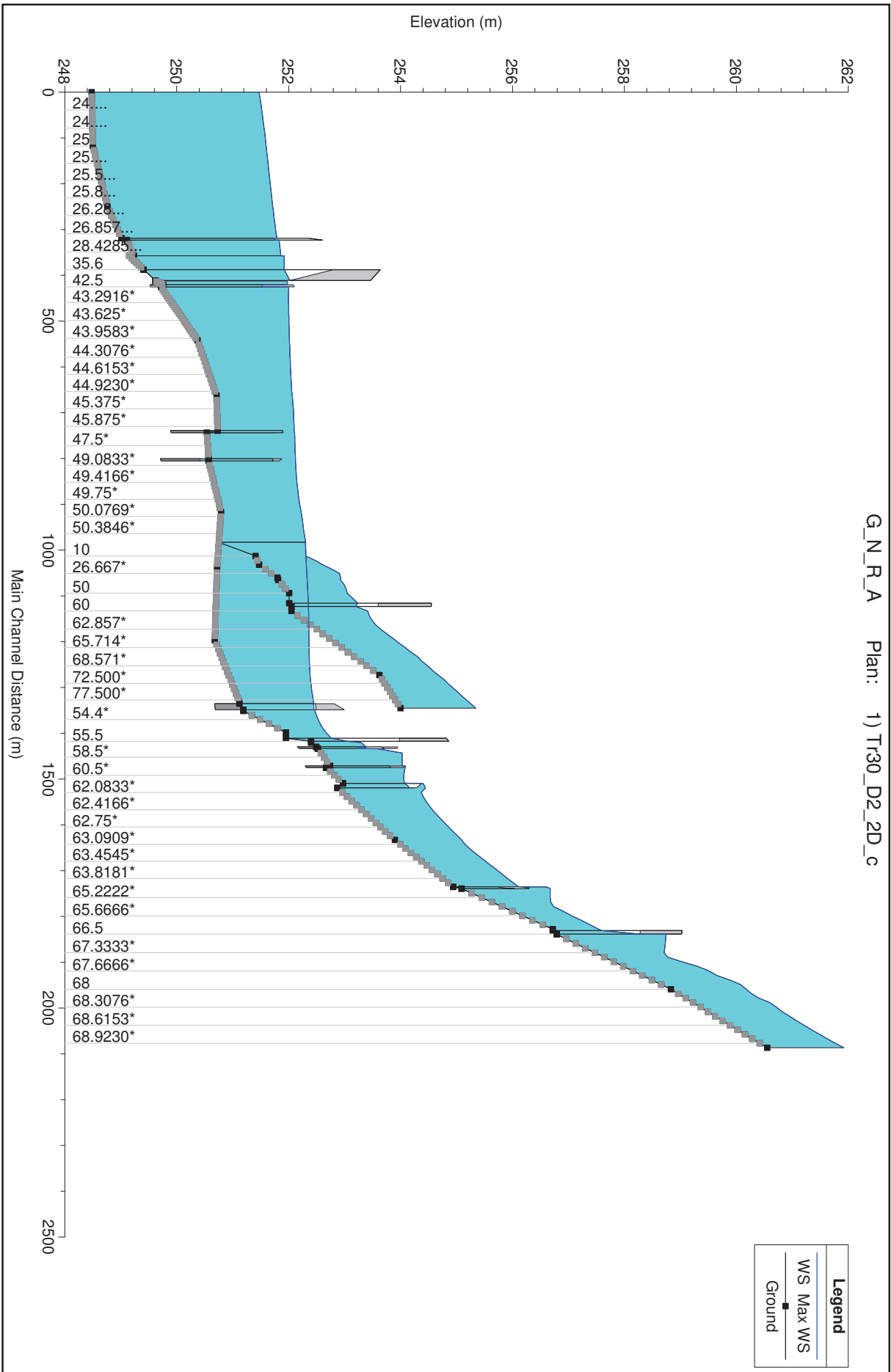
MODELLAZIONE HEC-RAS 5.0.3 "Montepulciano stazione"

FOSSO ROVISCI

MODELLAZIONE PER TR=30 anni

DURATE DI PIOGGIA: 2h

Profilo longitudinale





ALLEGATI

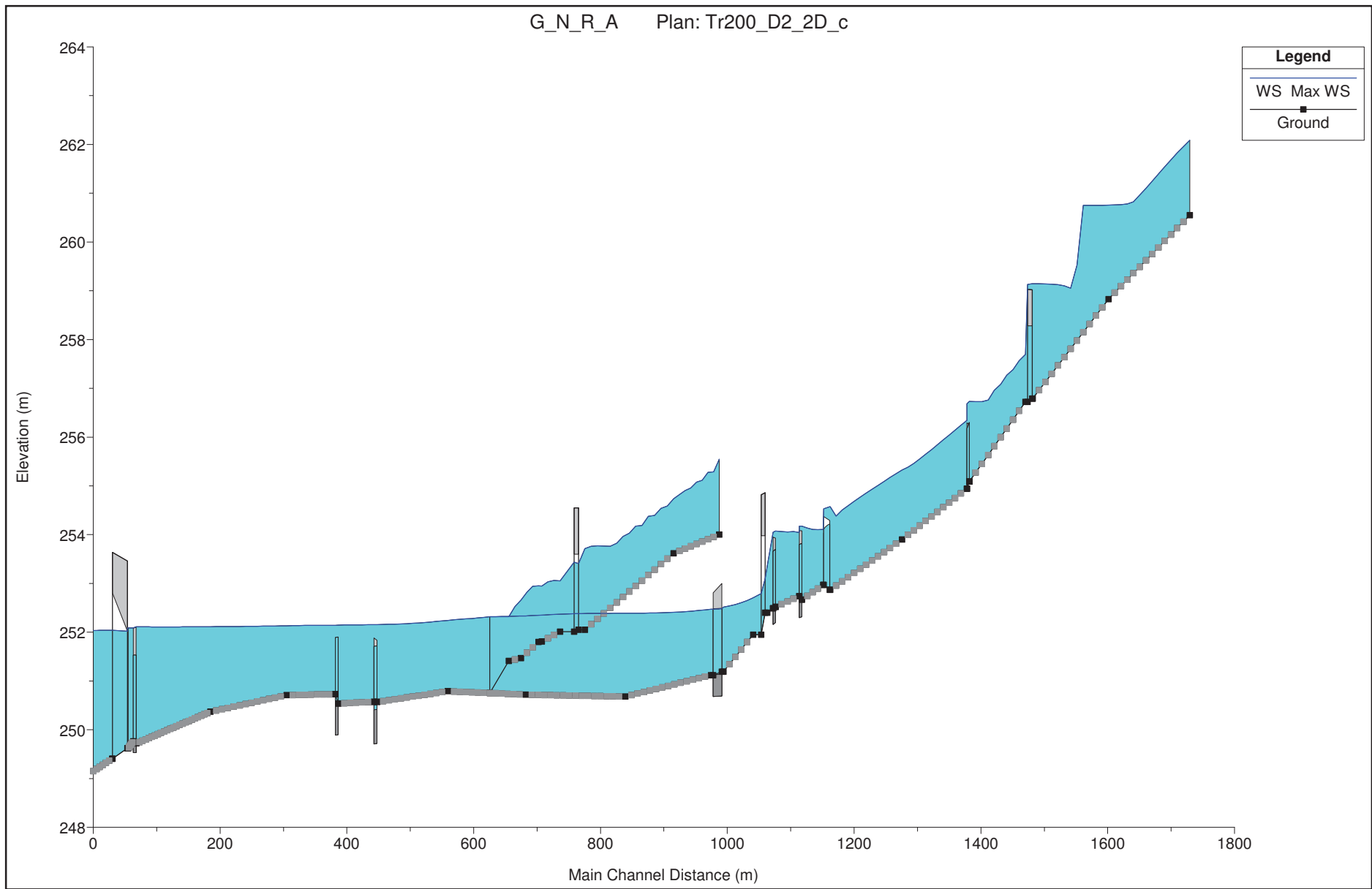
MODELLAZIONE HEC-RAS 5.0.3 "Montepulciano stazione"

FOSSO ROVISCI

MODELLAZIONE PER TR=200 anni

DURATE DI PIOGGIA: 2h

Profilo longitudinale





ALLEGATI

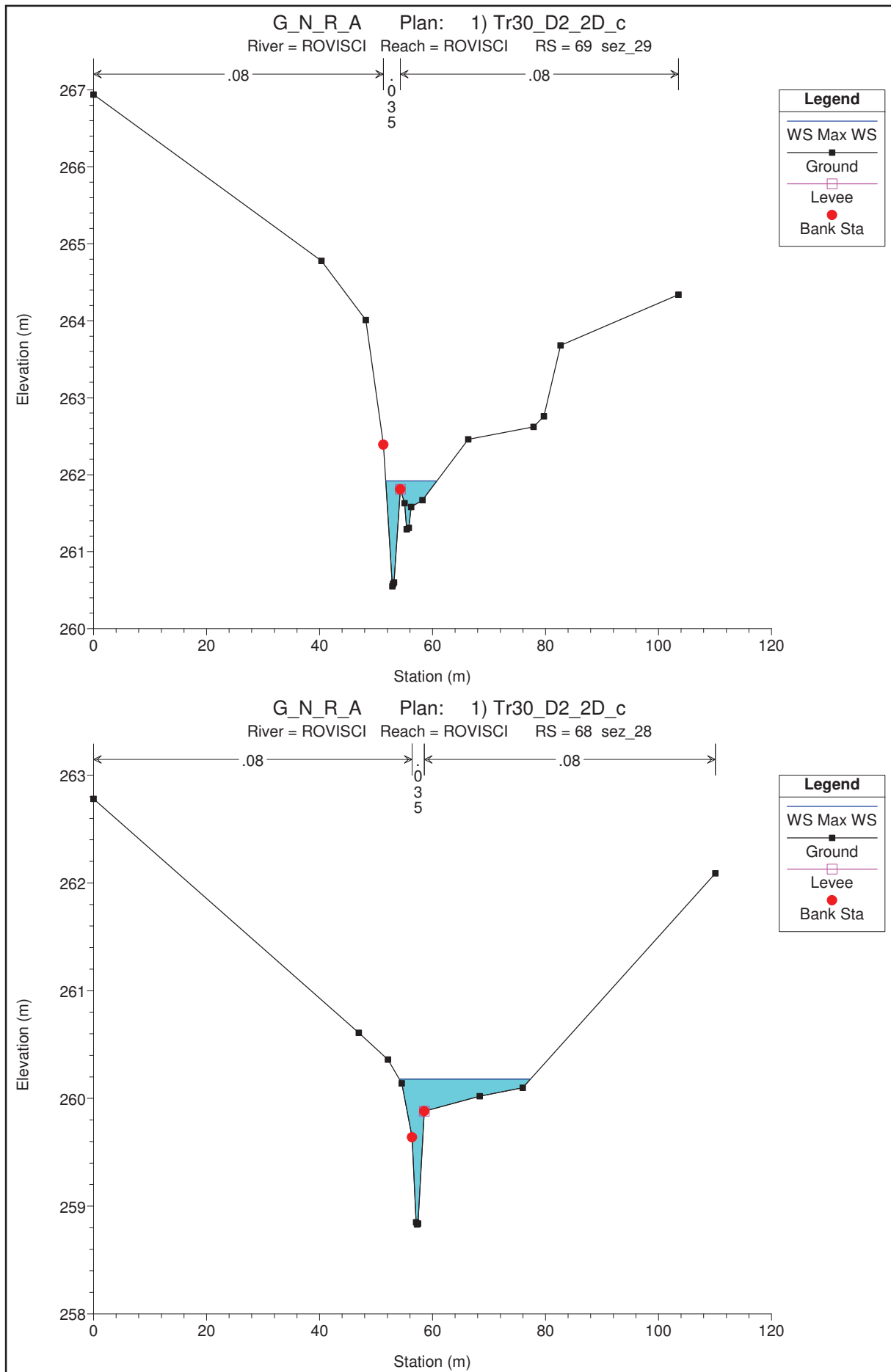
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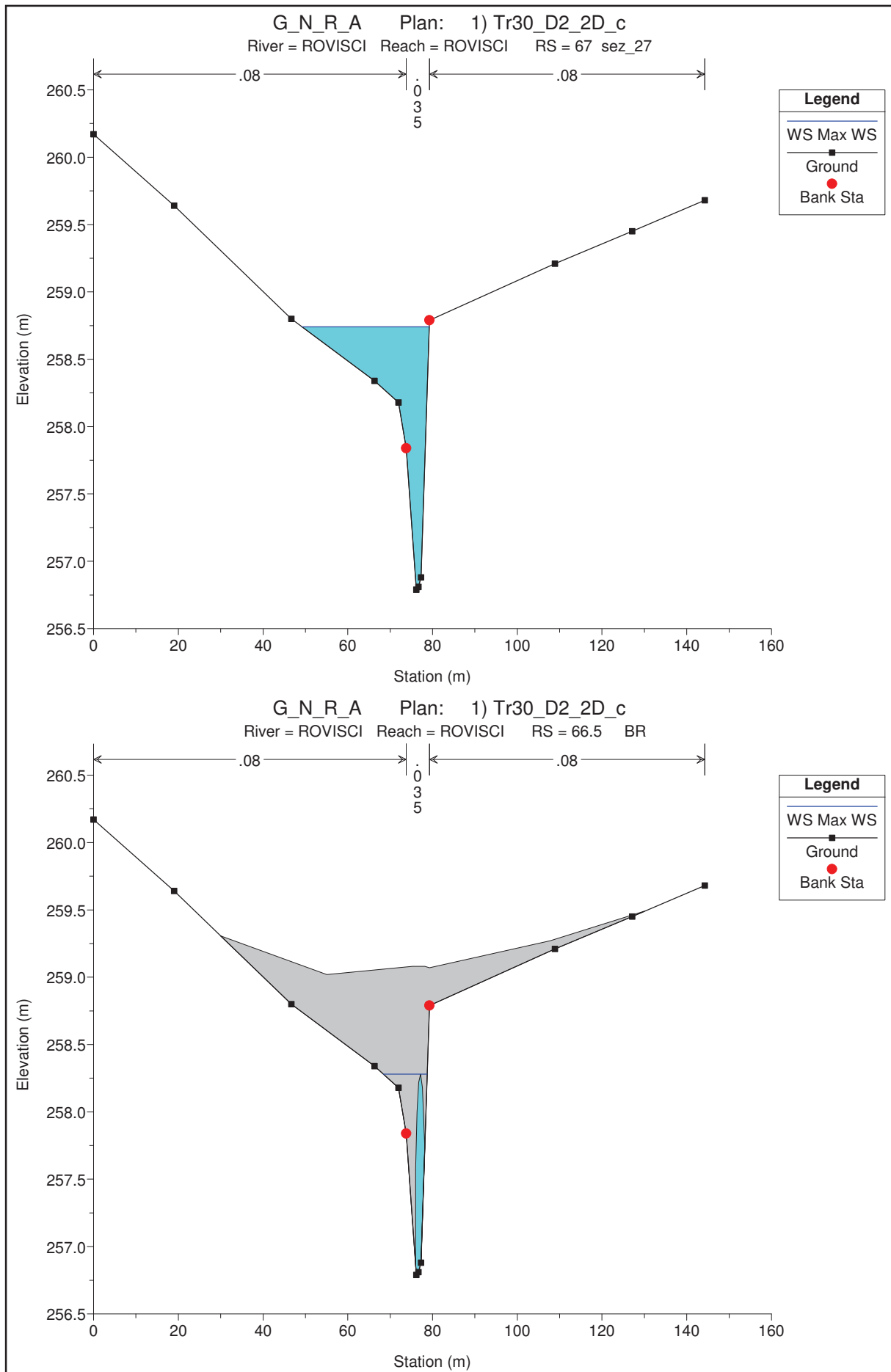
FOSSO ROVISCI

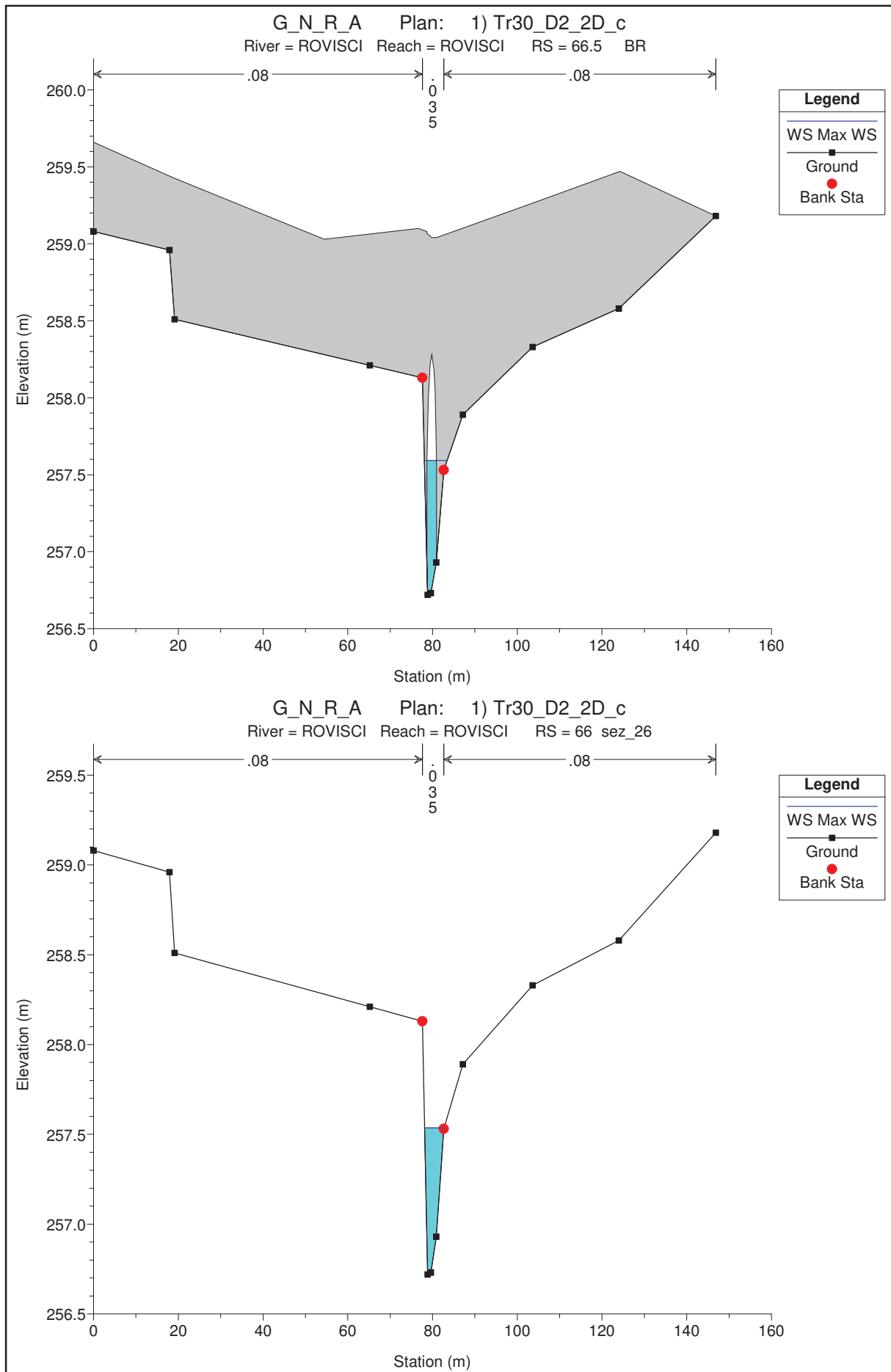
MODELLAZIONE PER TR=30 anni

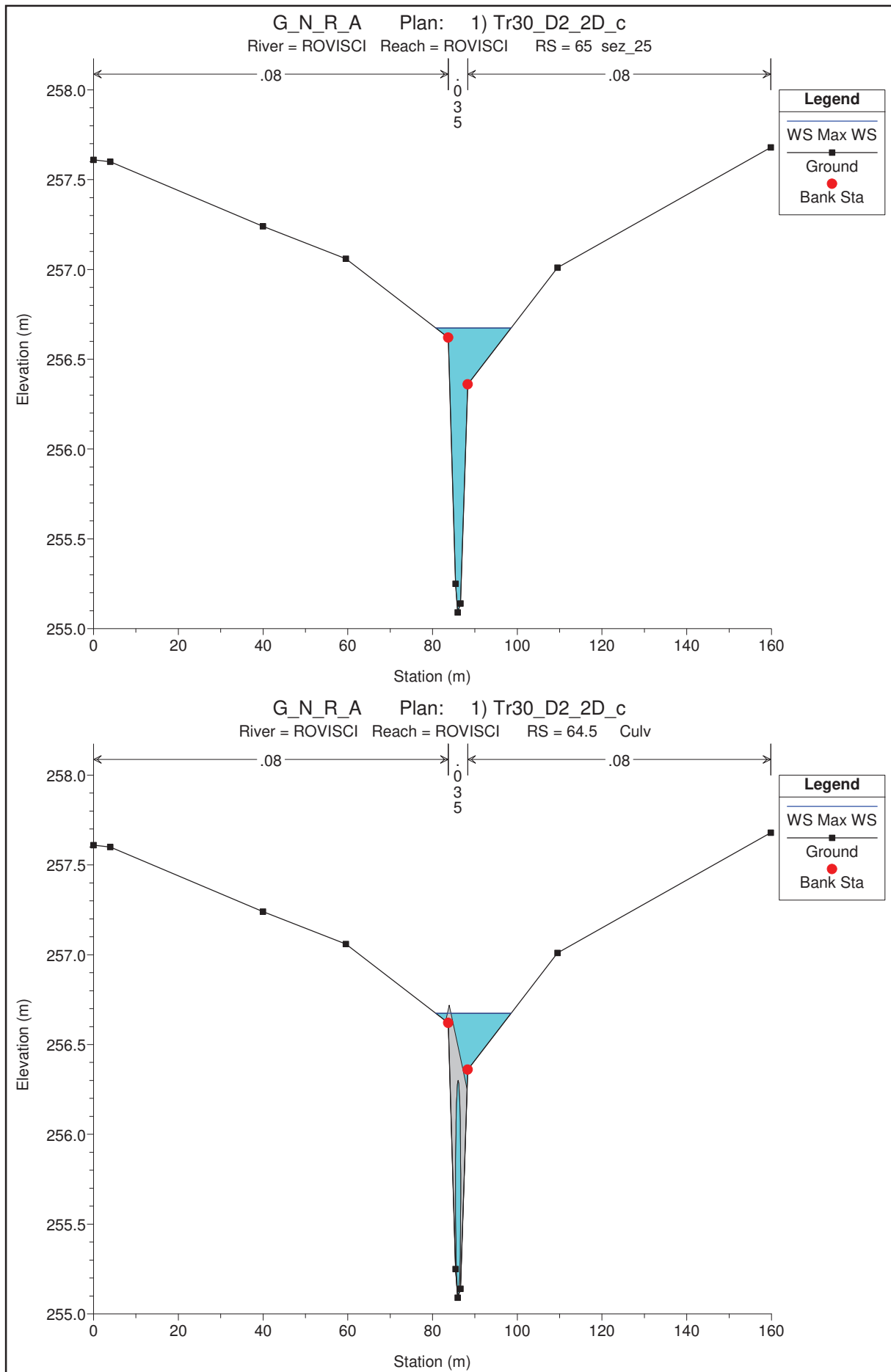
DURATE DI PIOGGIA: 2h

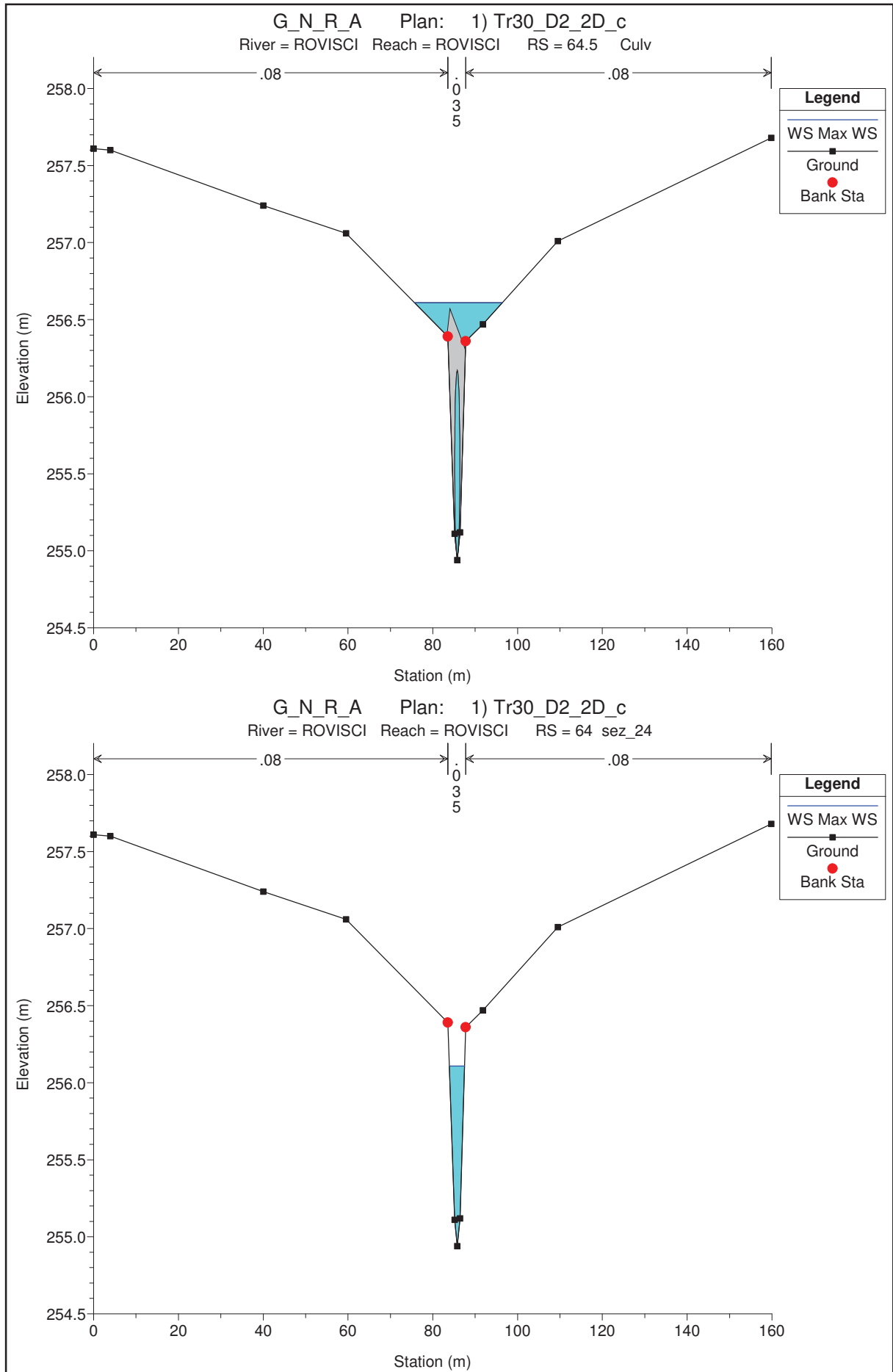
Sezioni Trasversali (da monte verso valle)

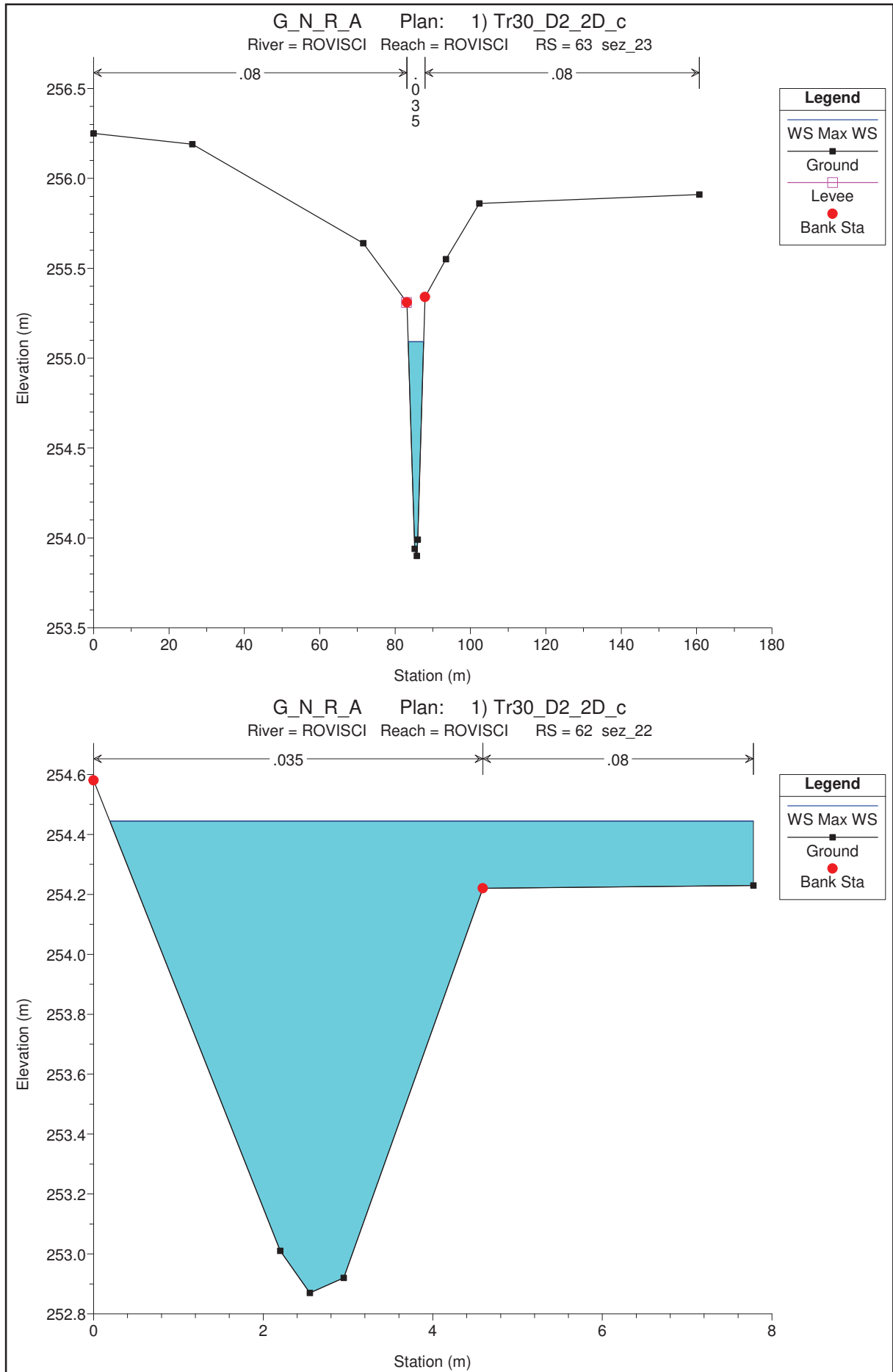


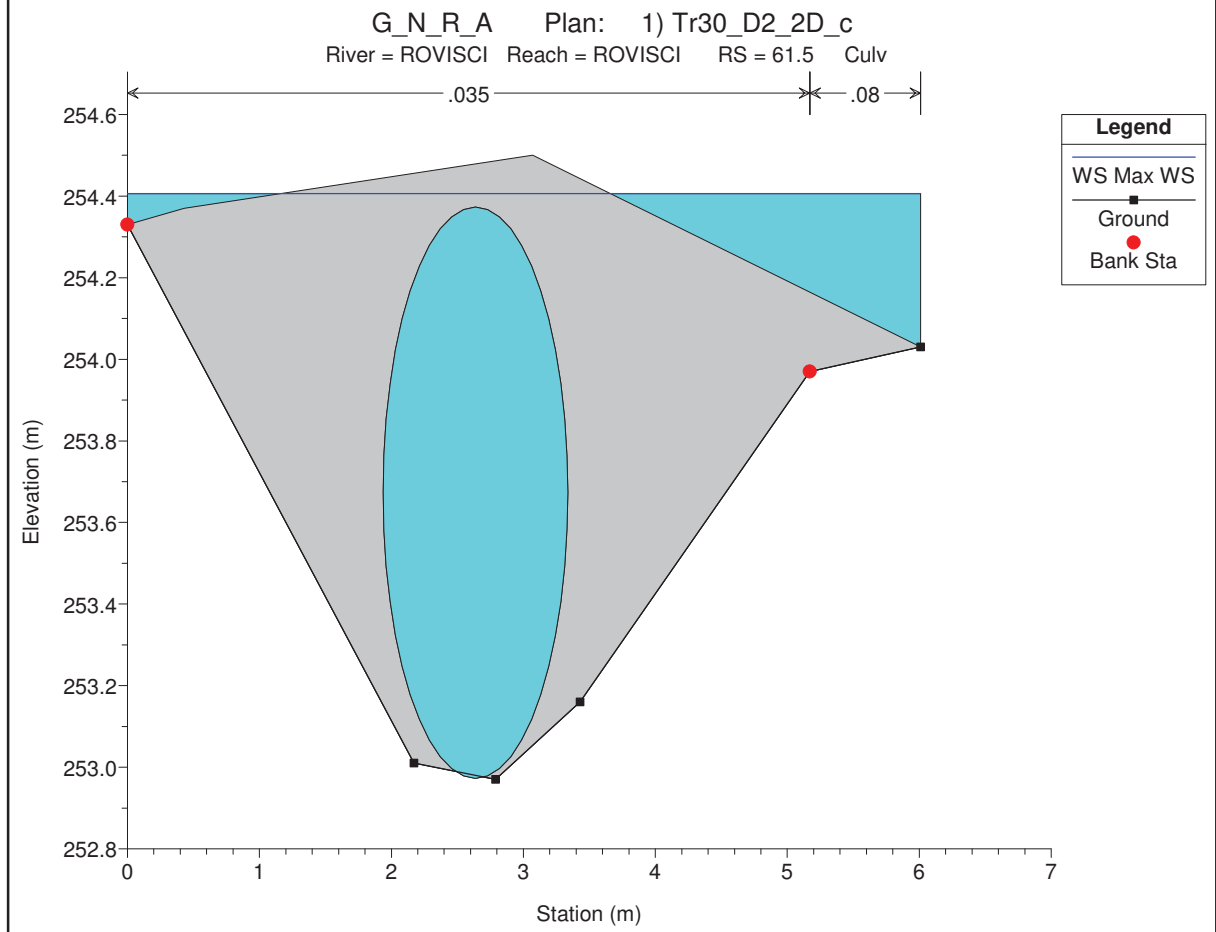
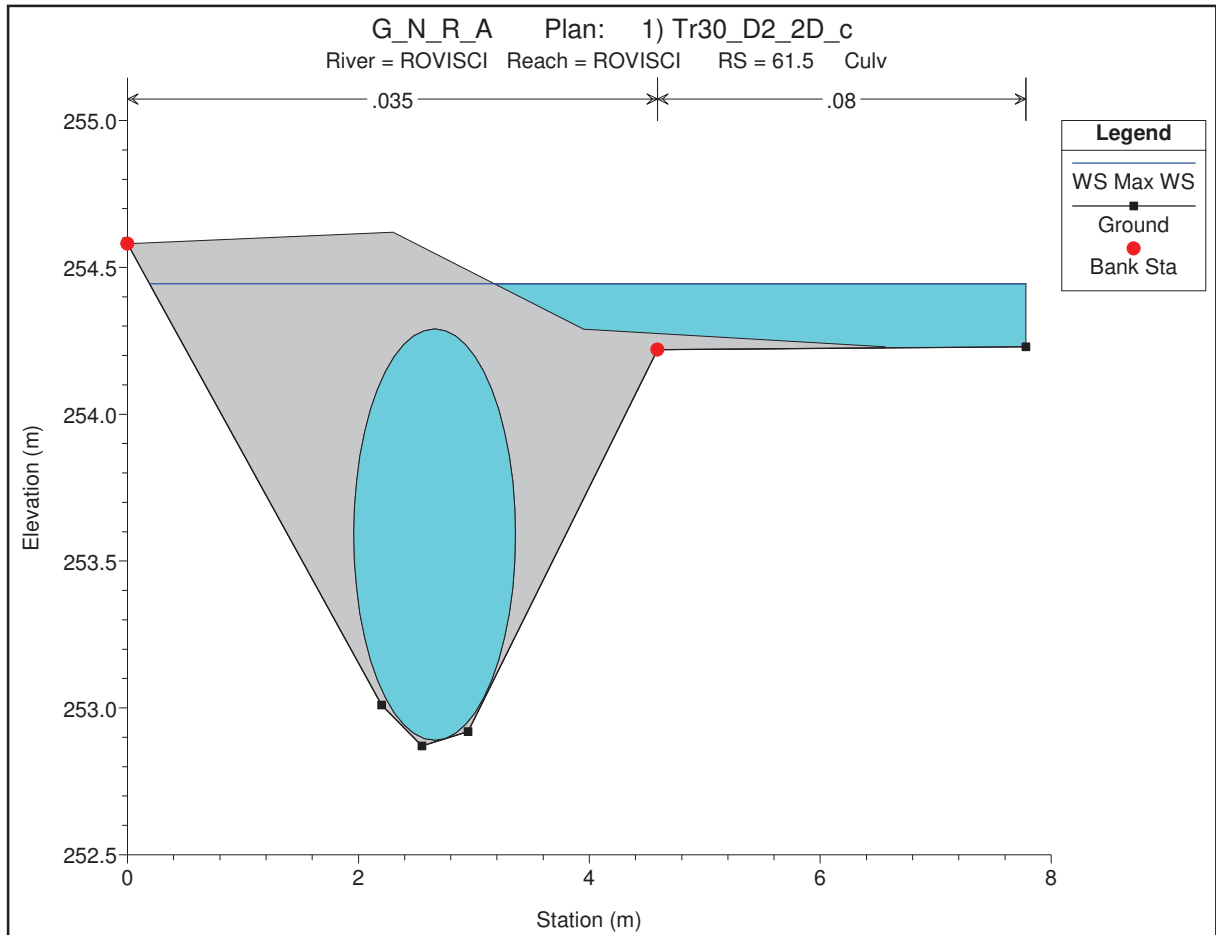


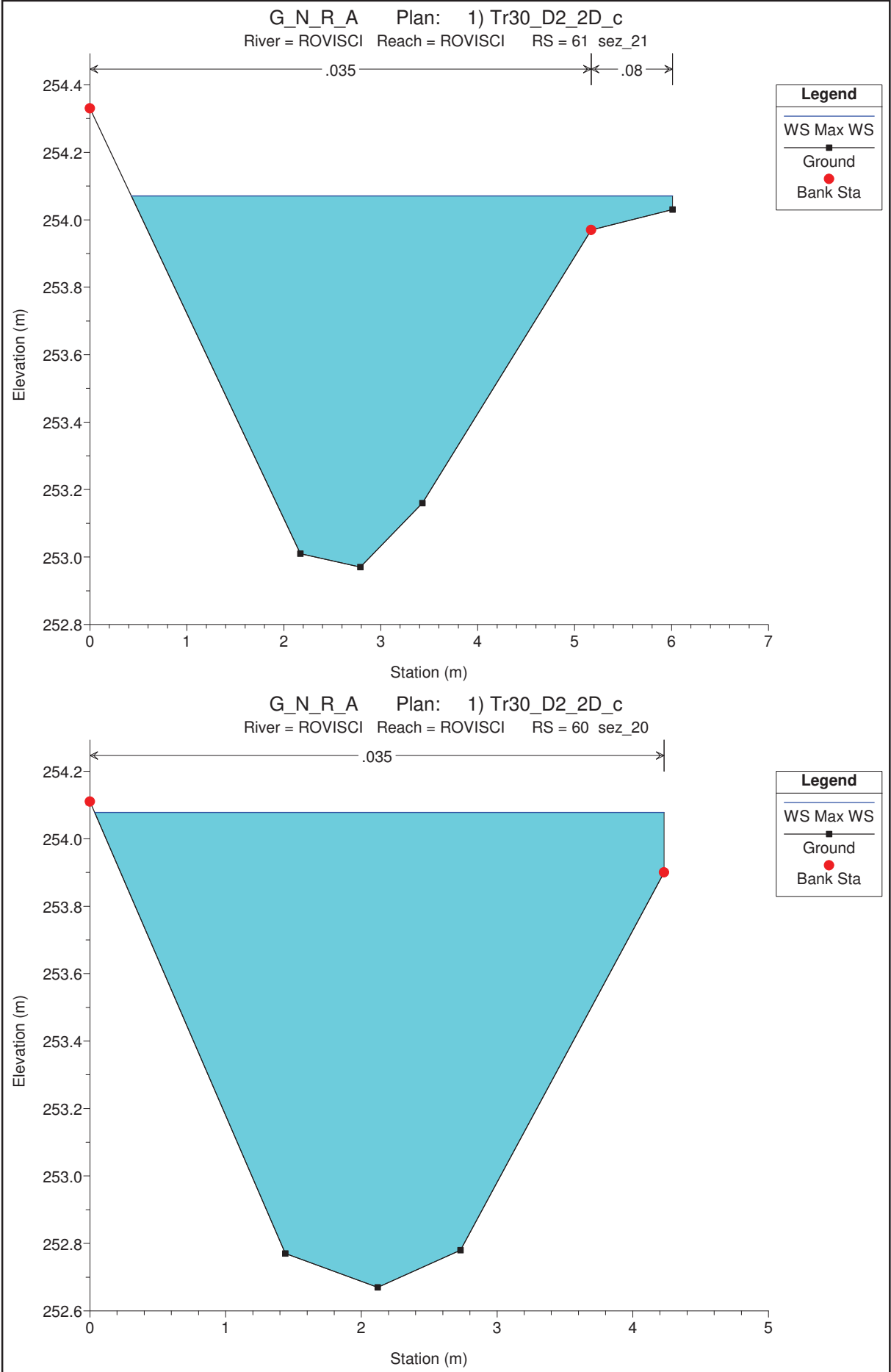


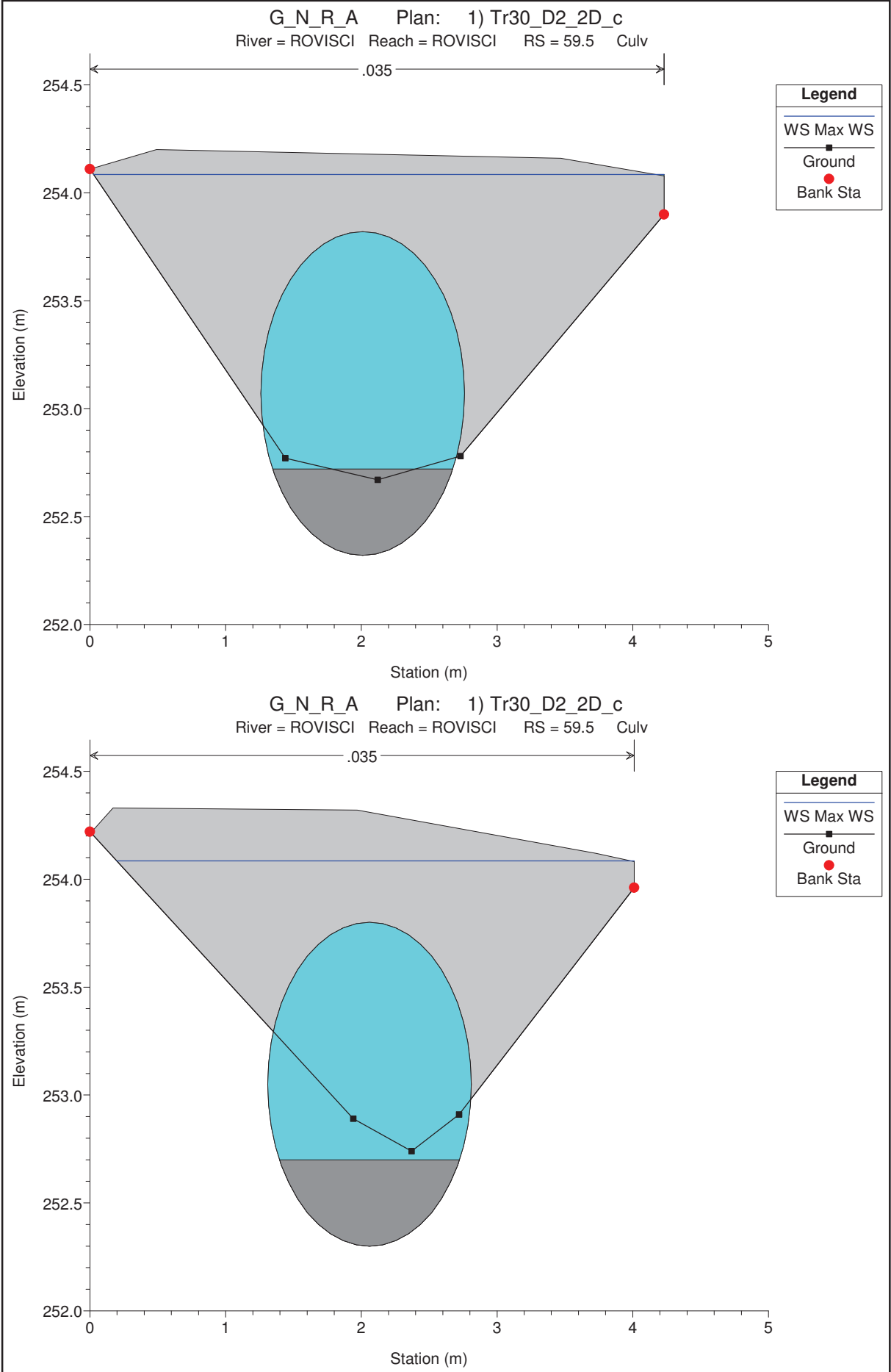


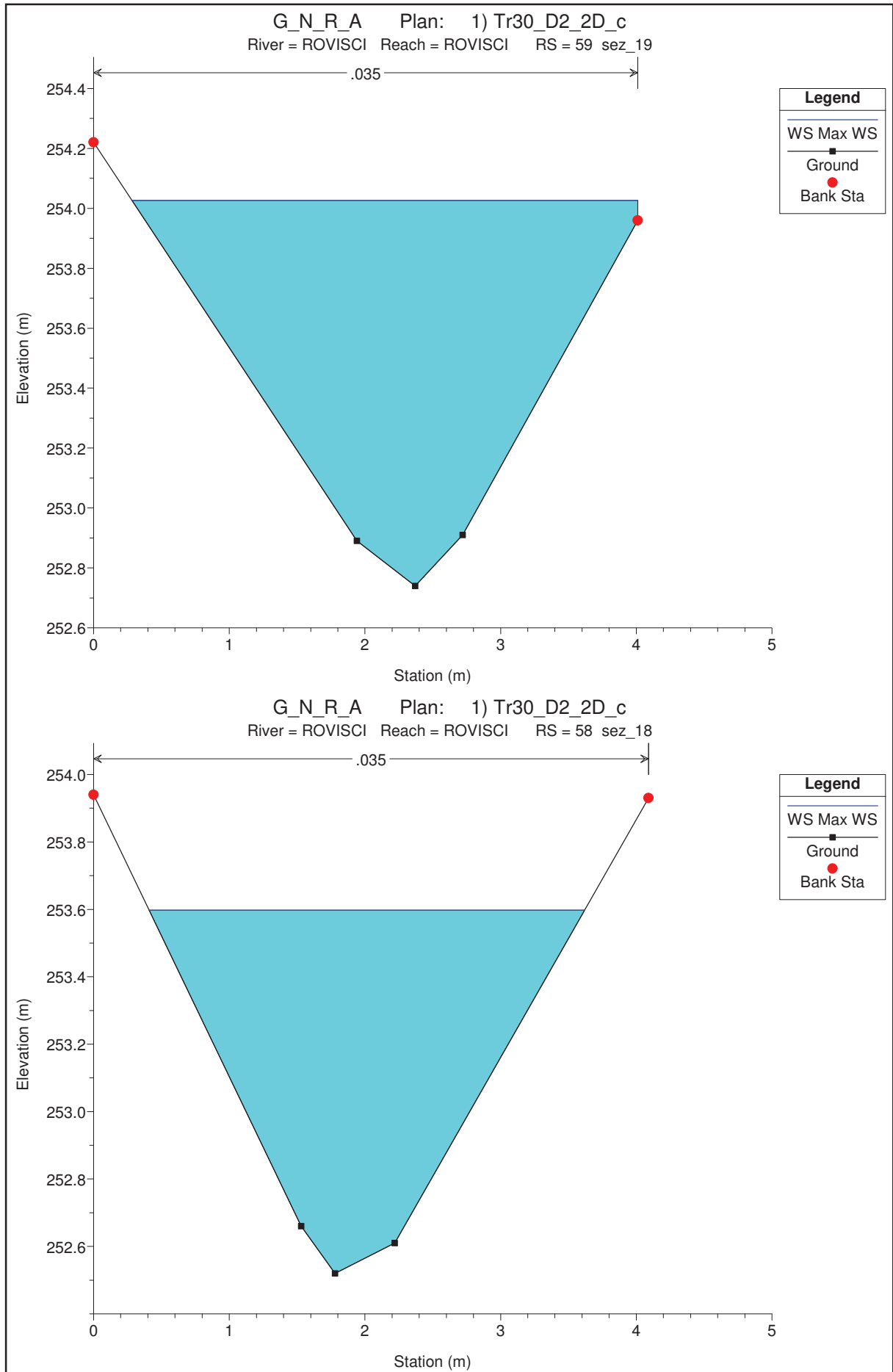


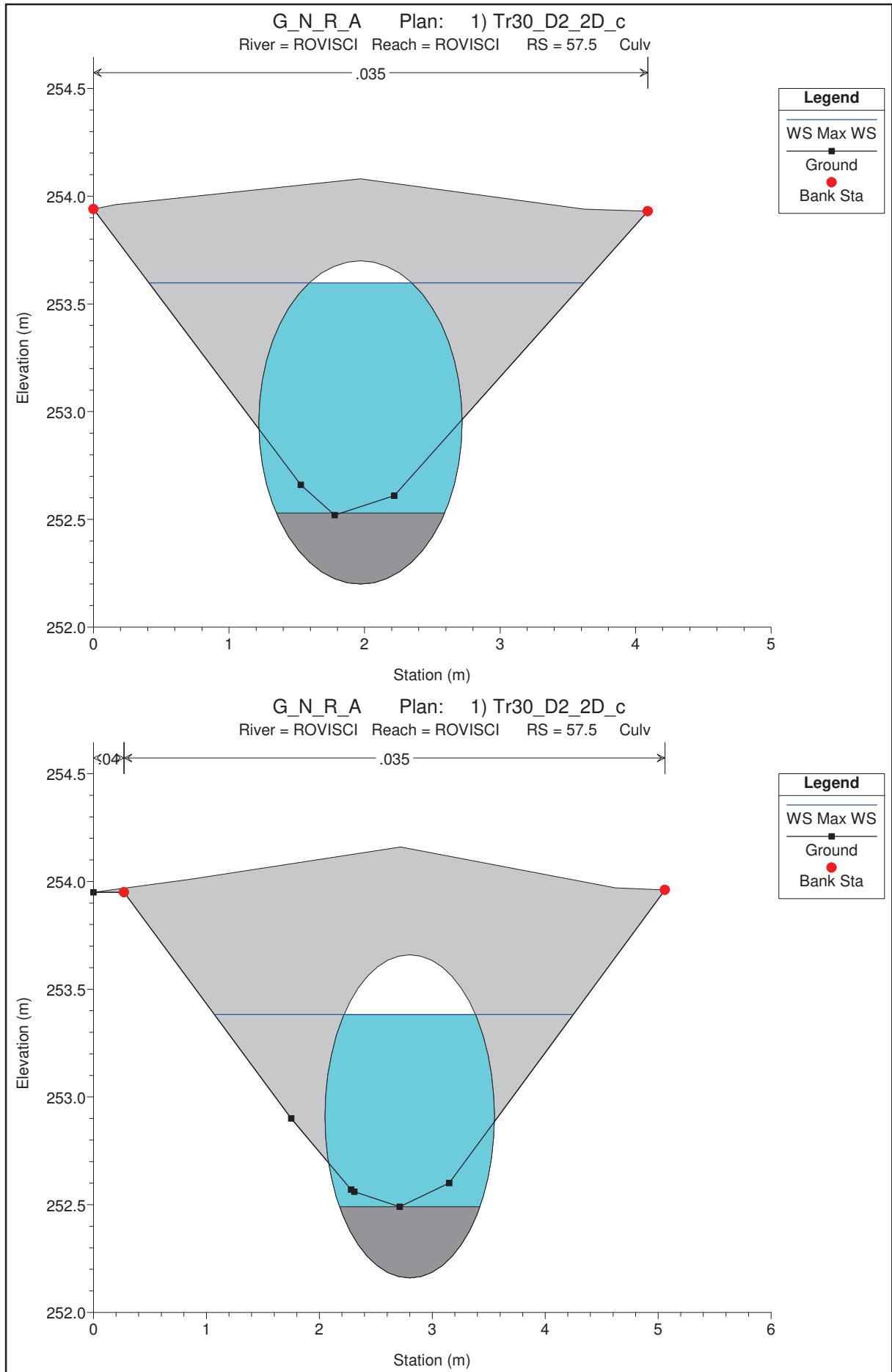


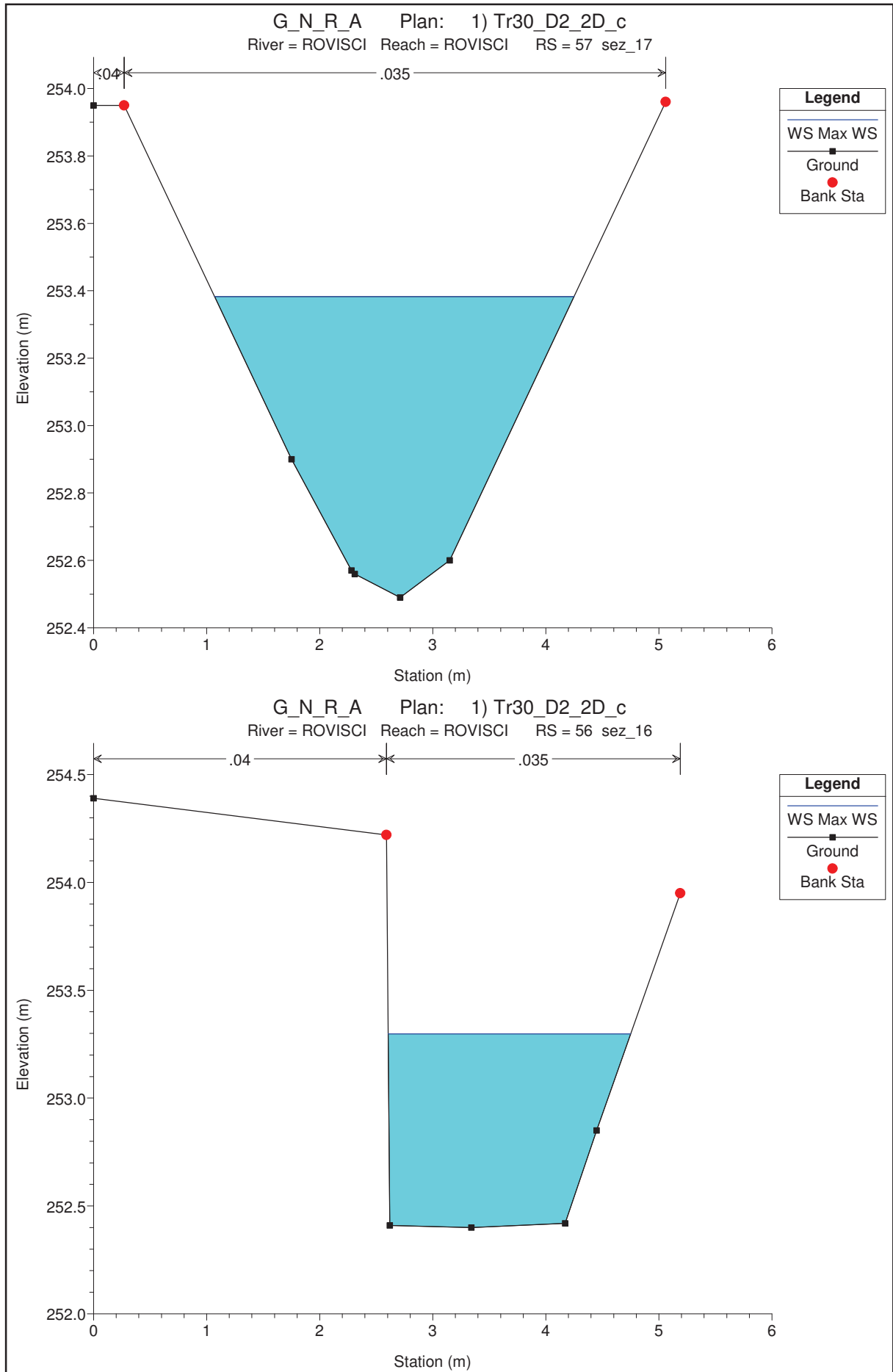


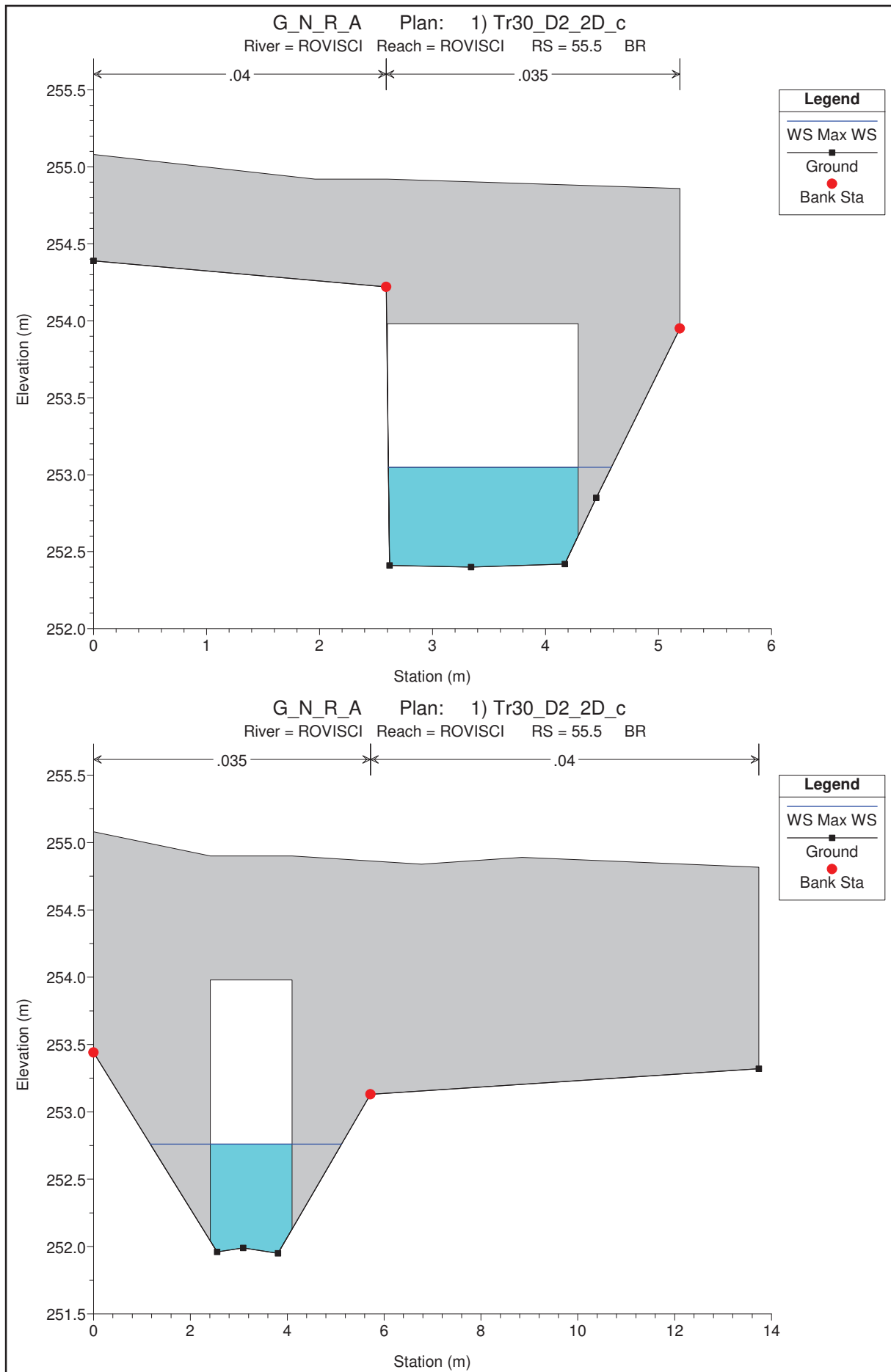


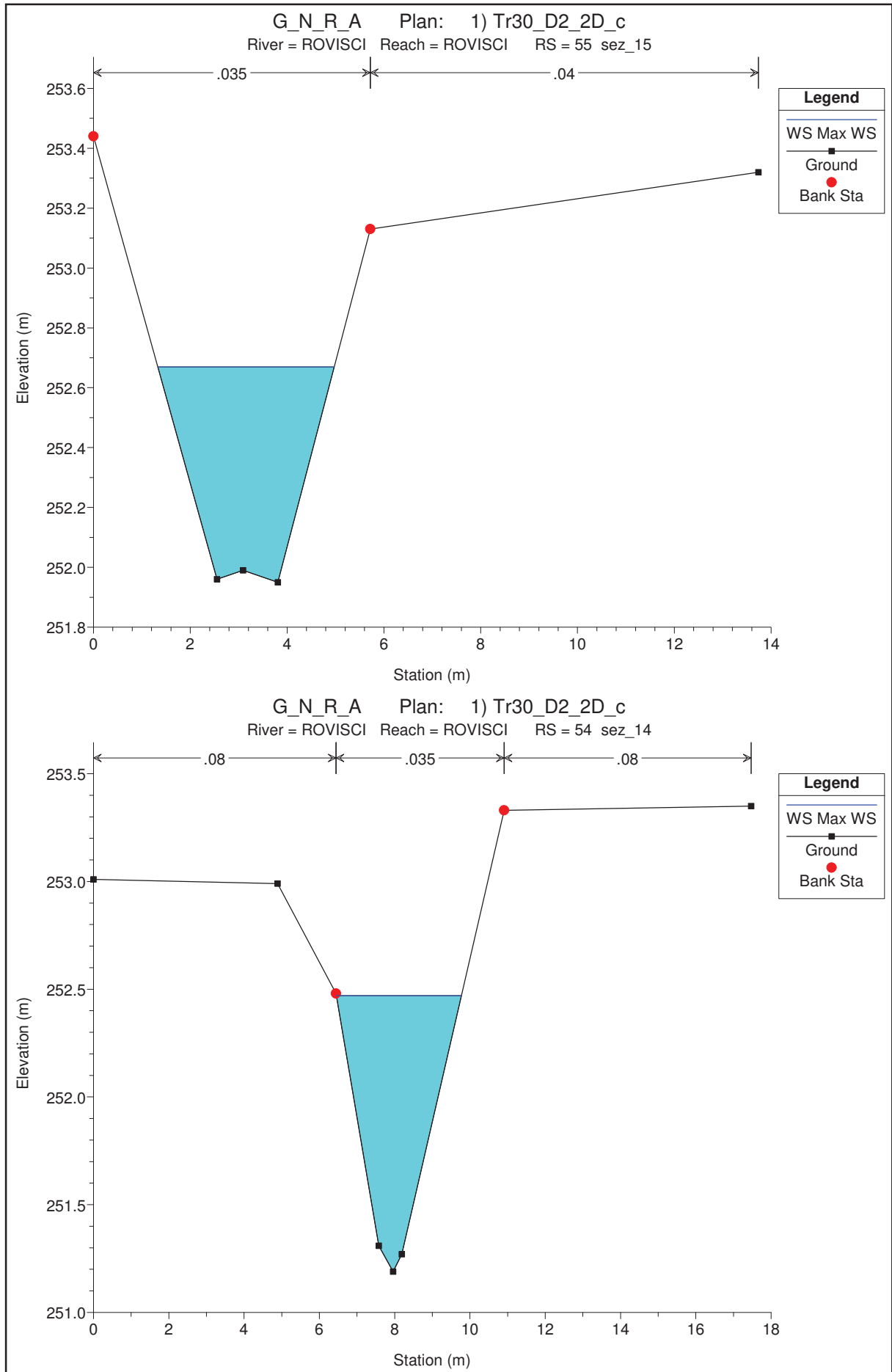


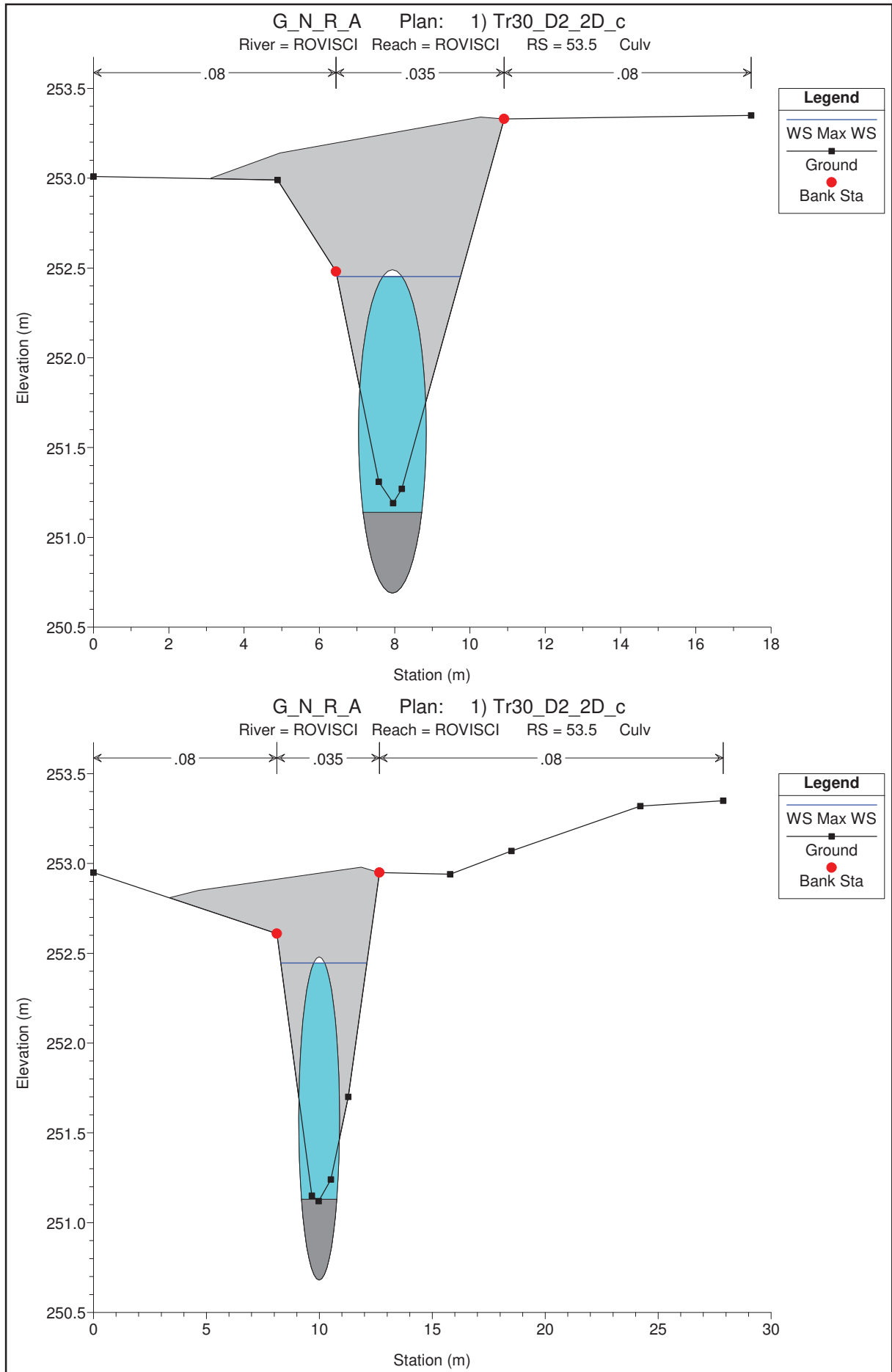


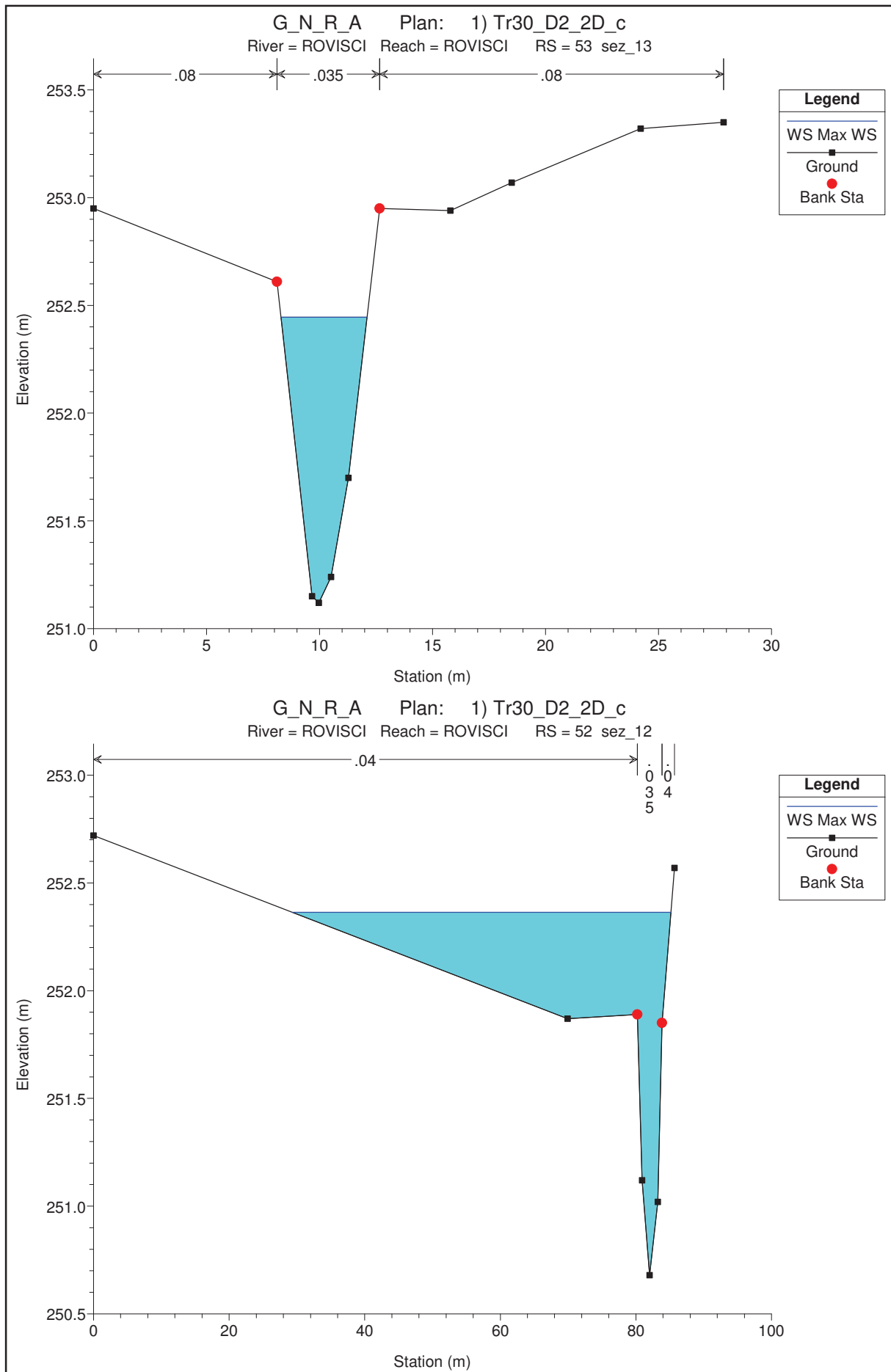


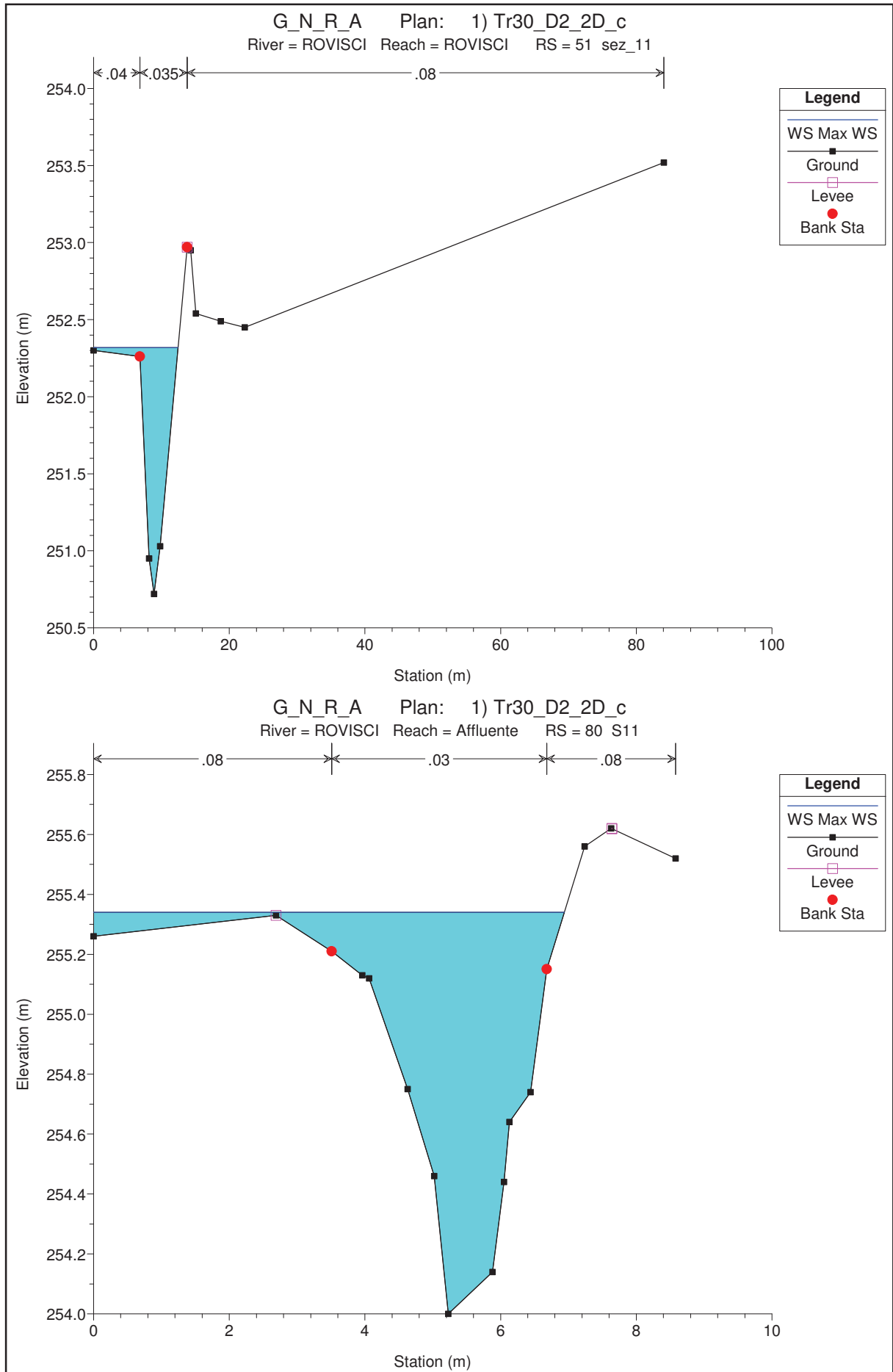


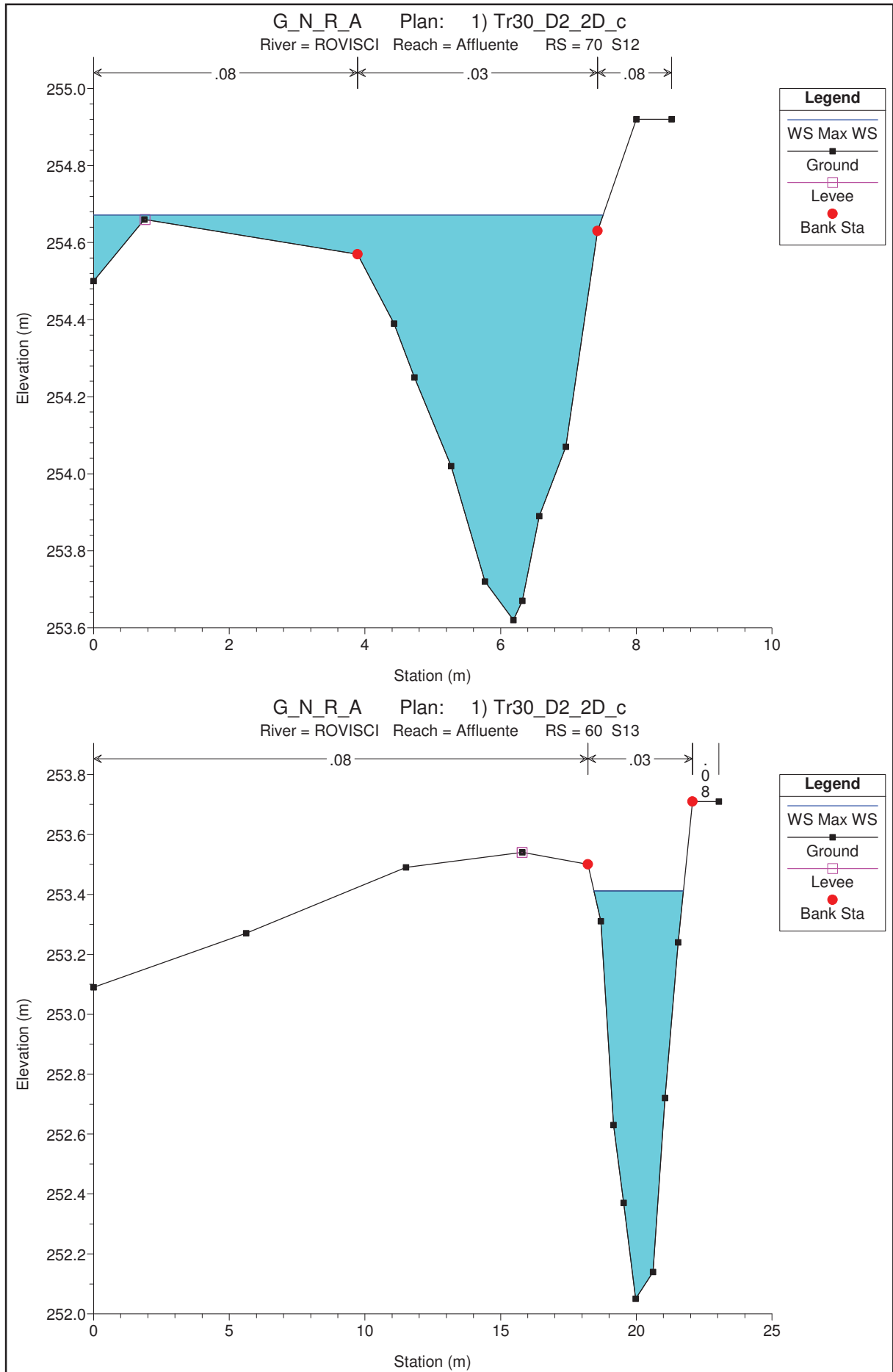


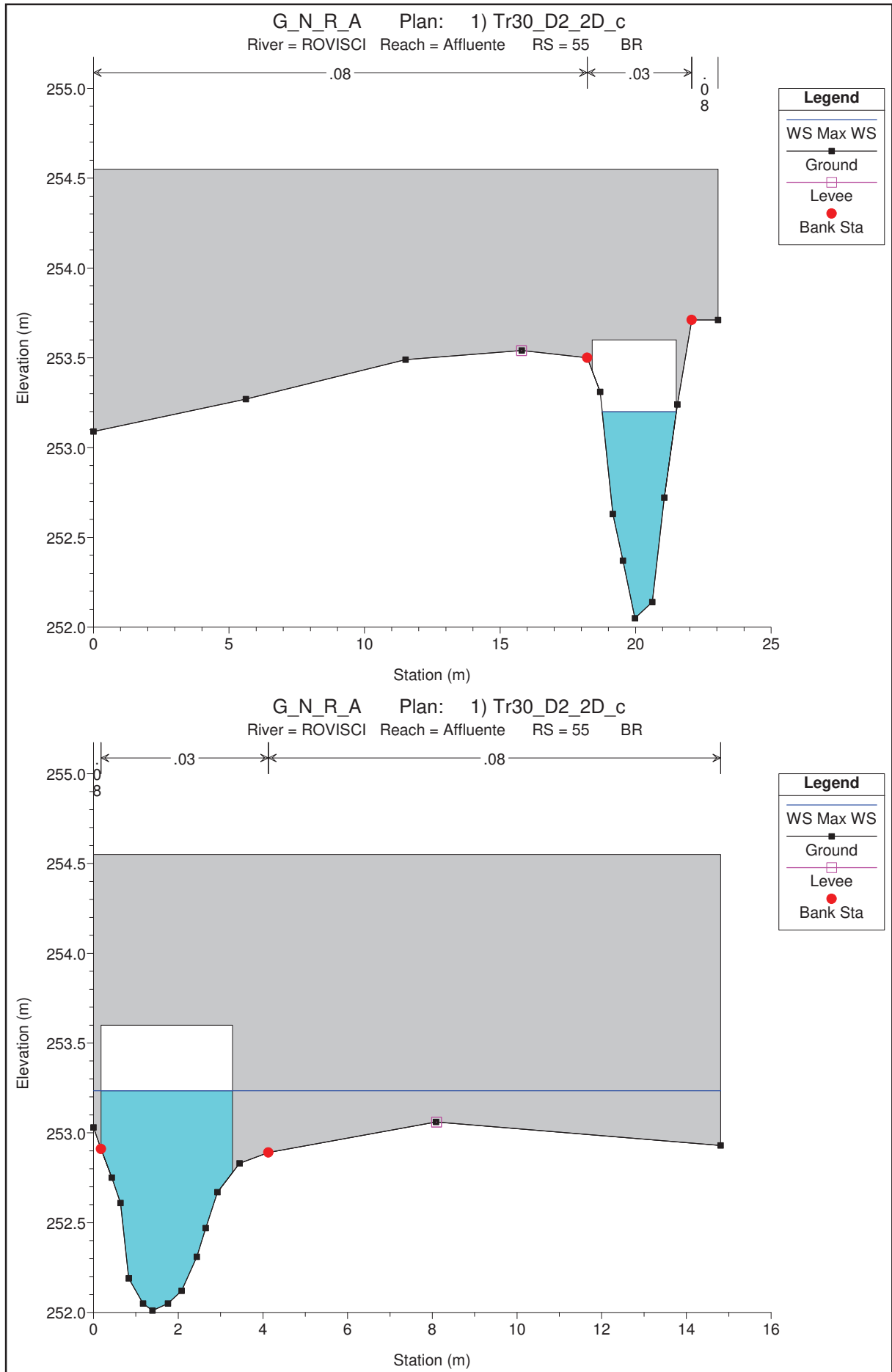


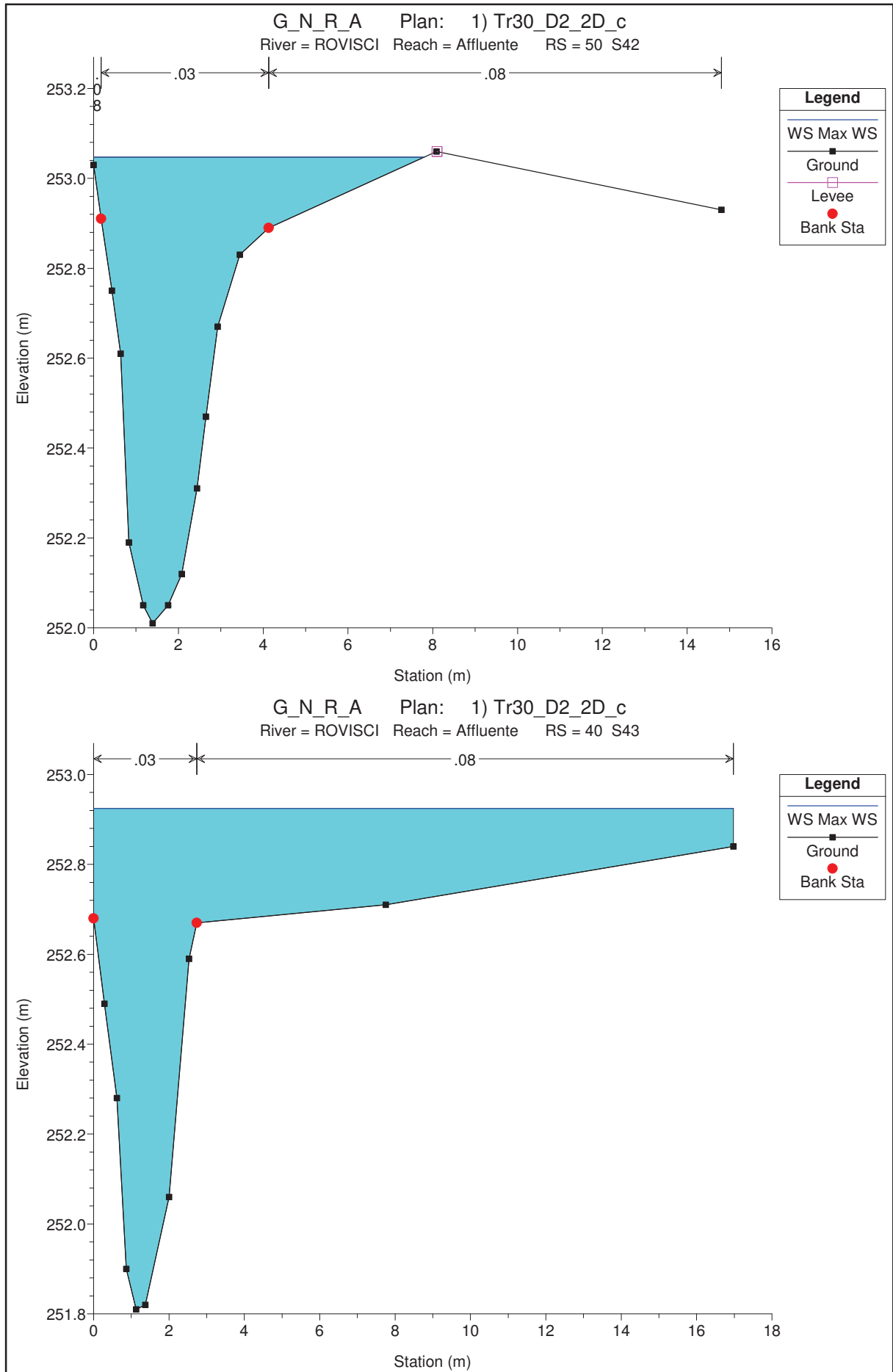


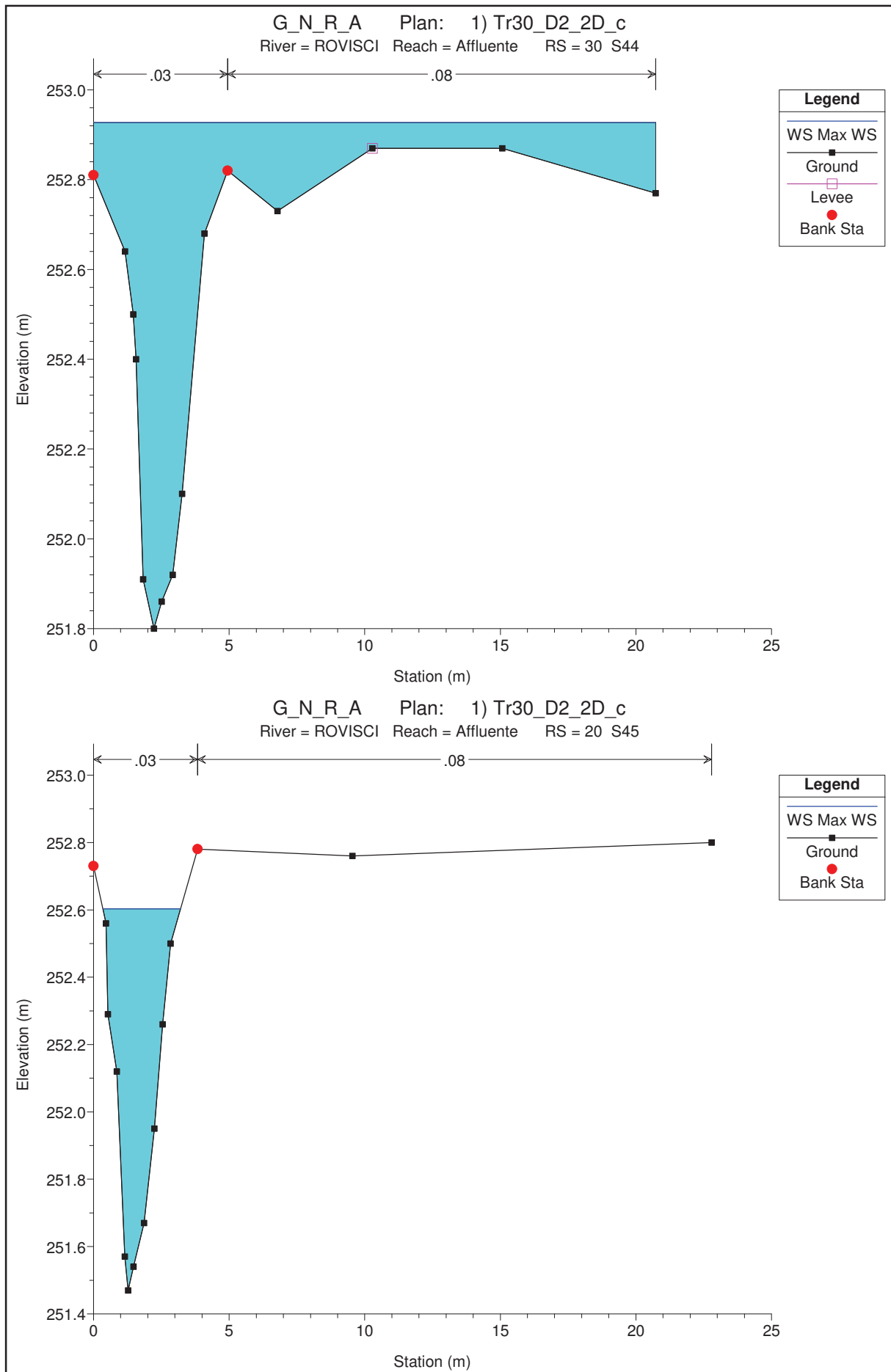


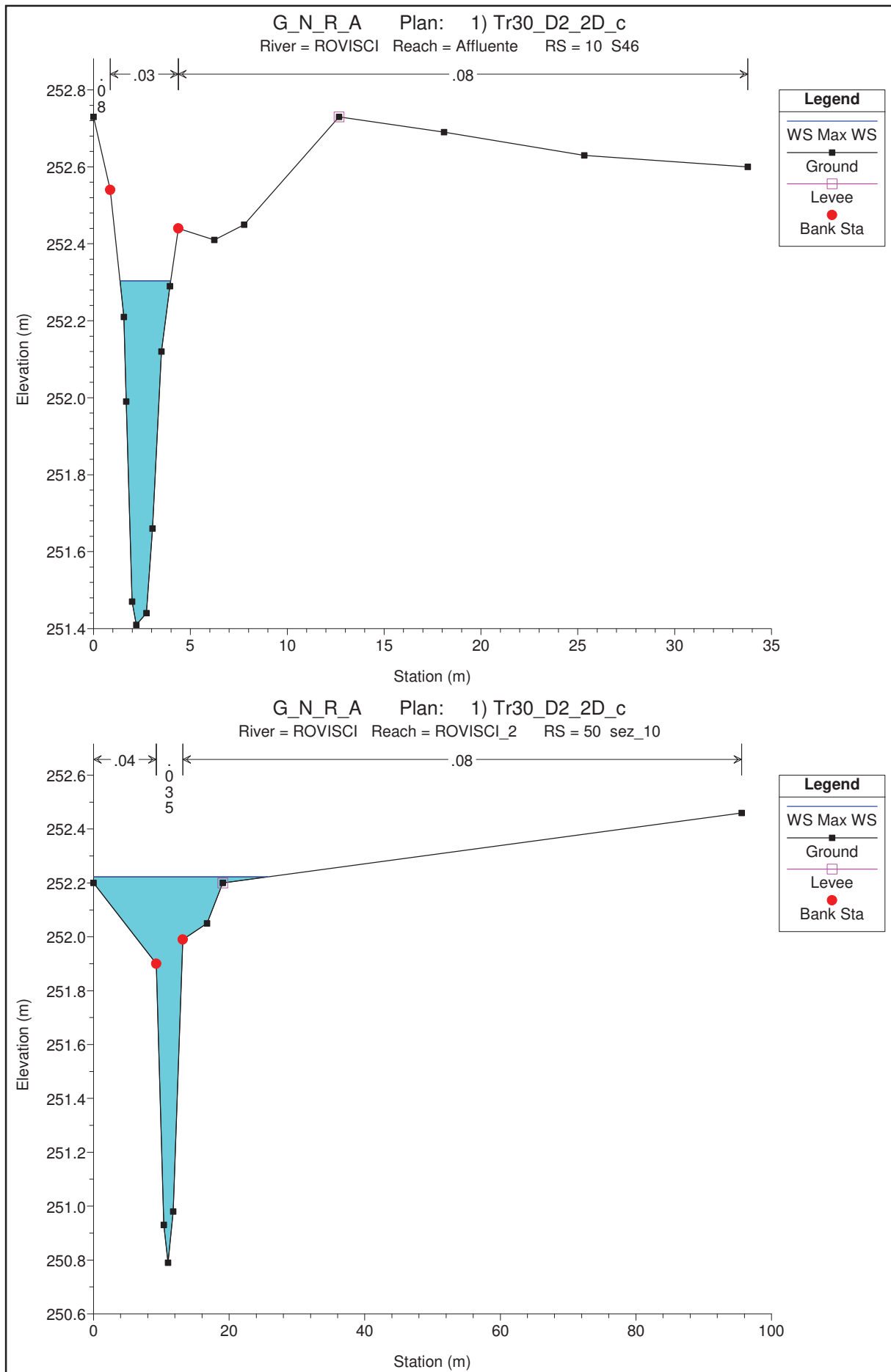


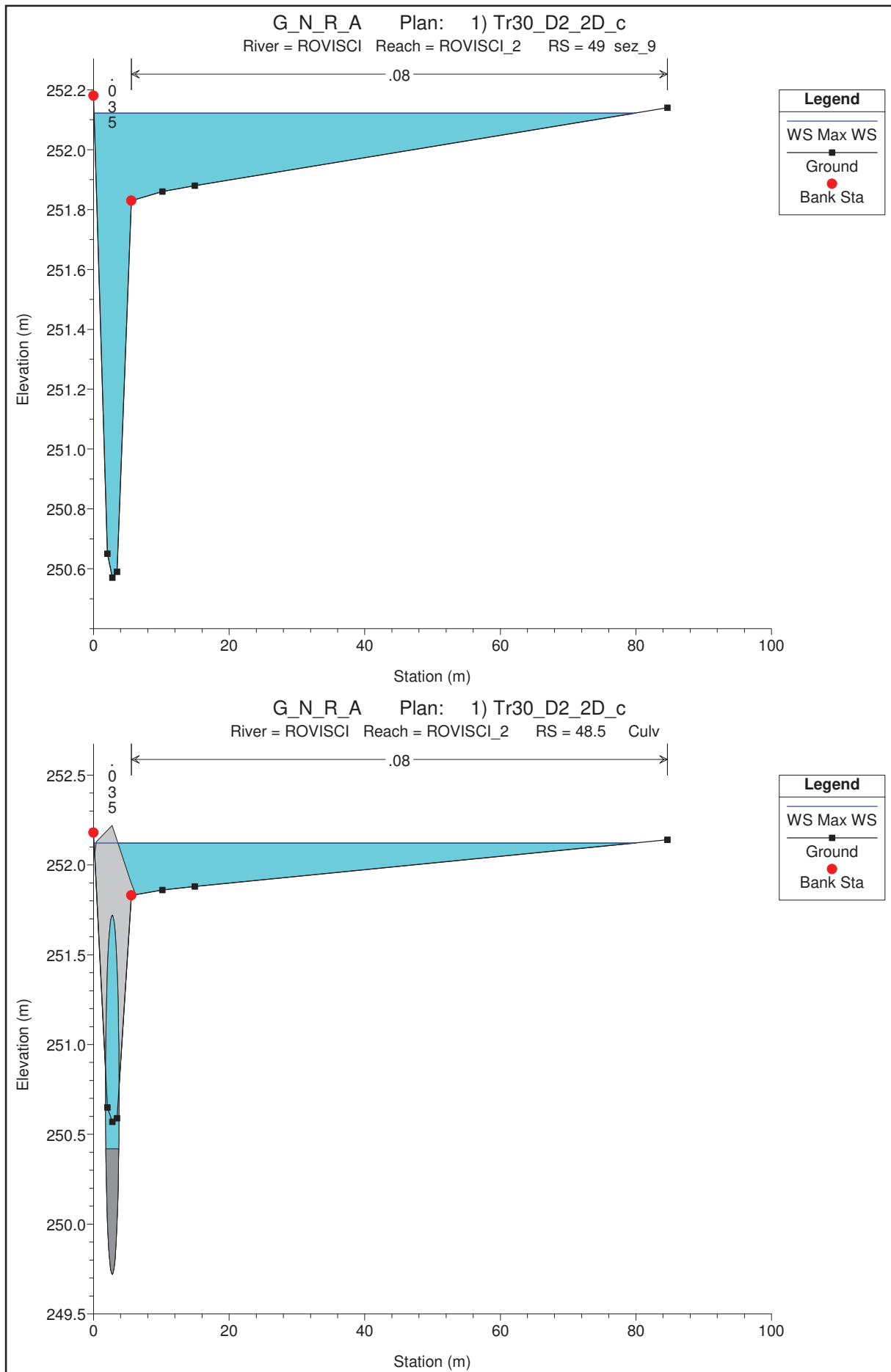


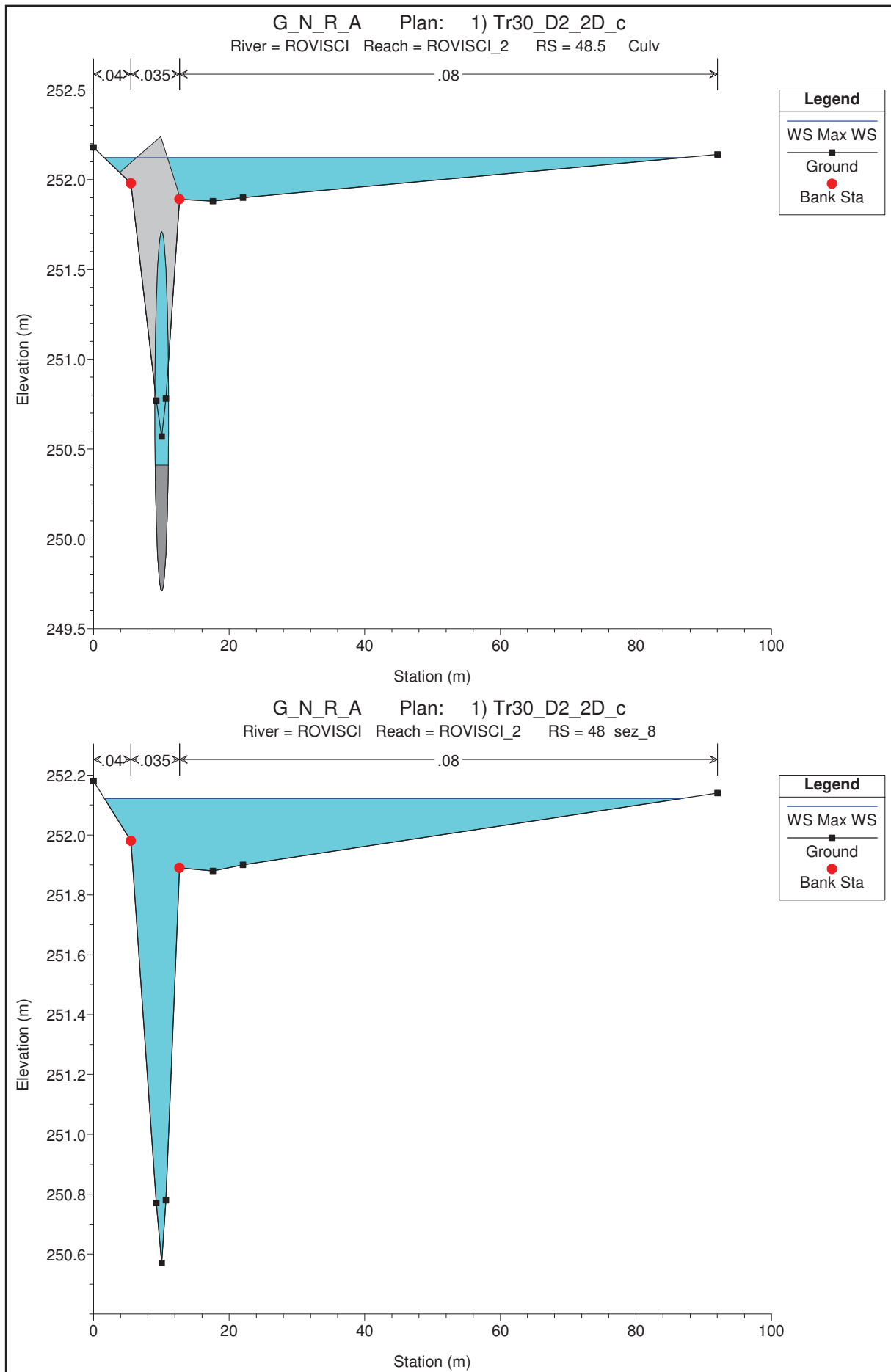


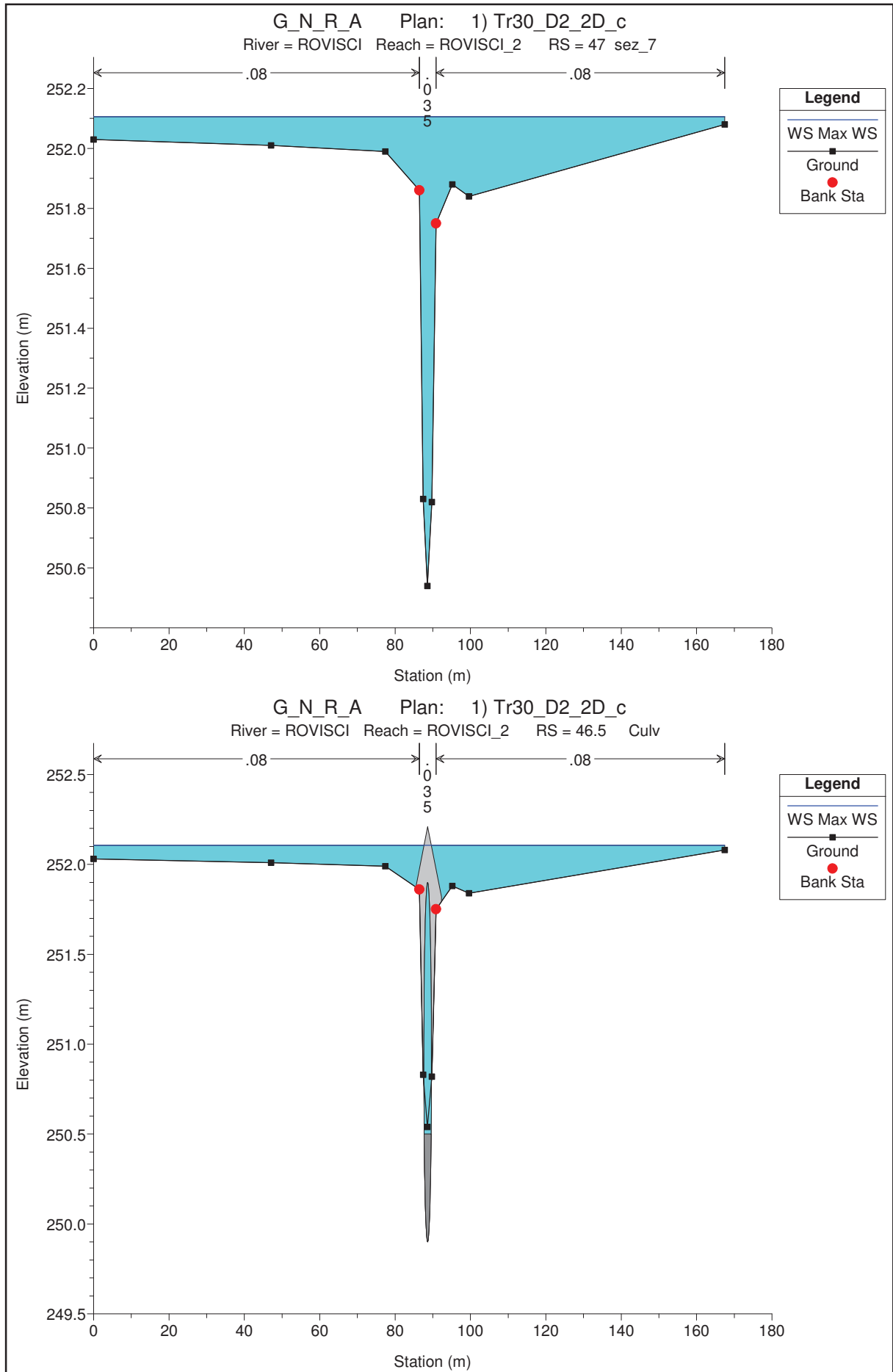


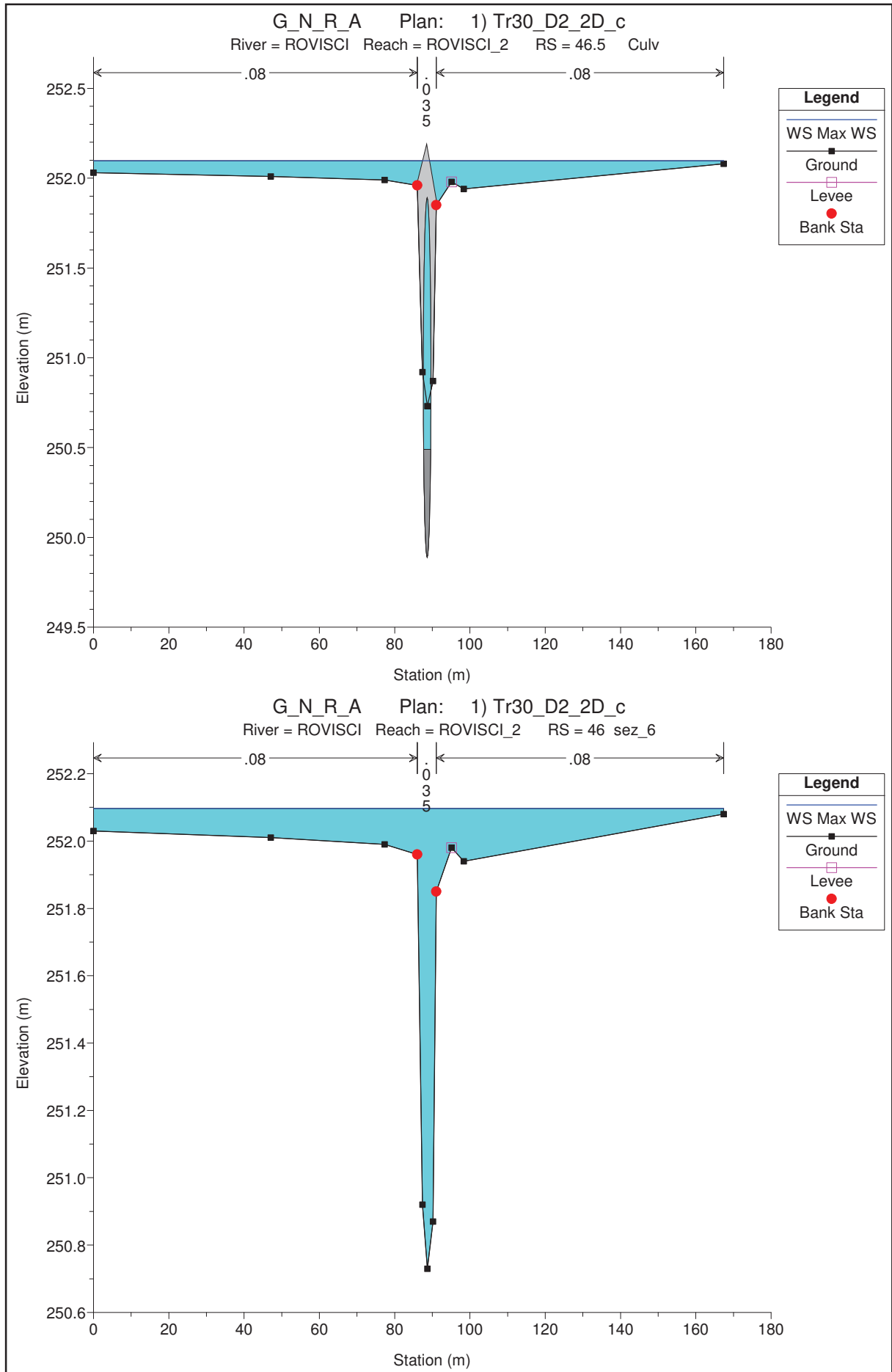


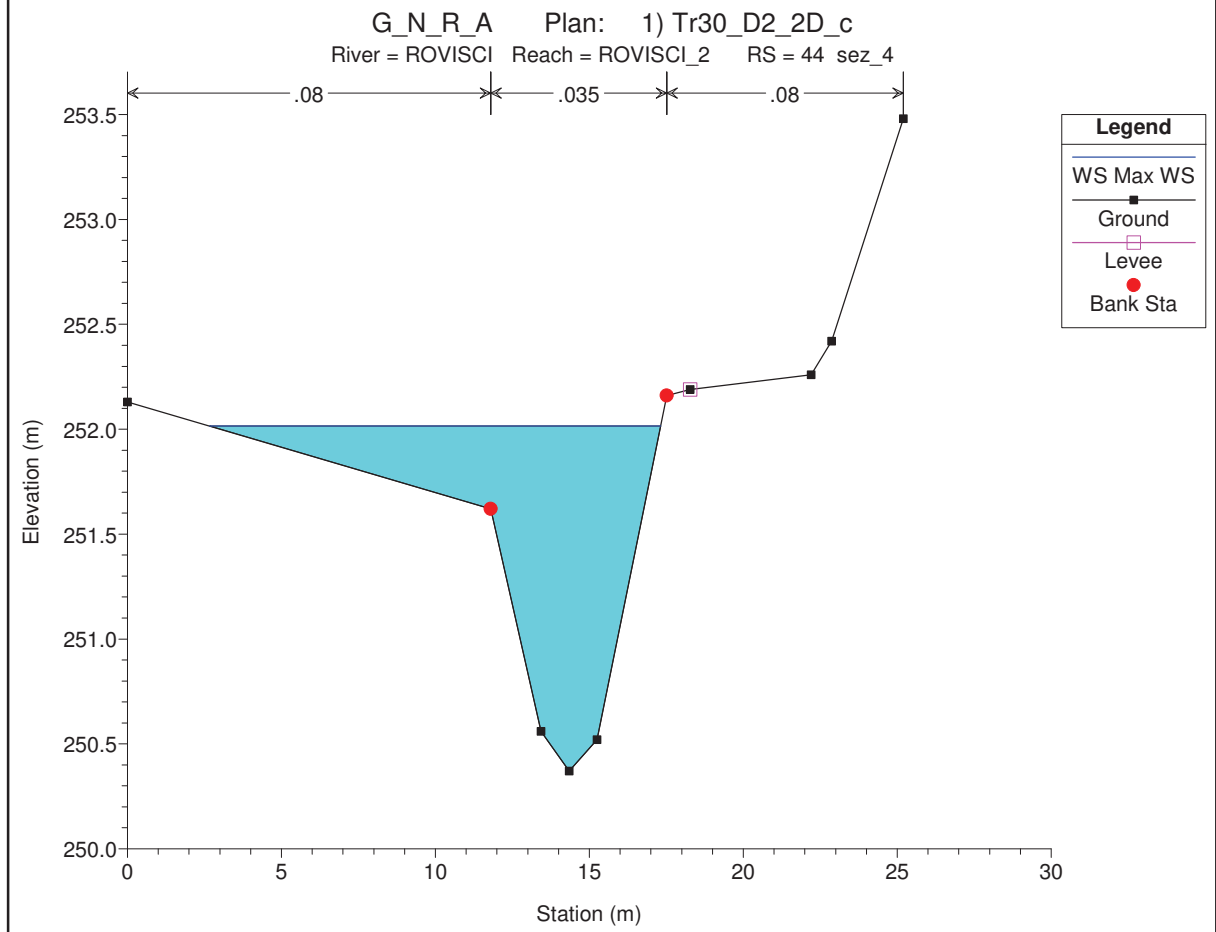
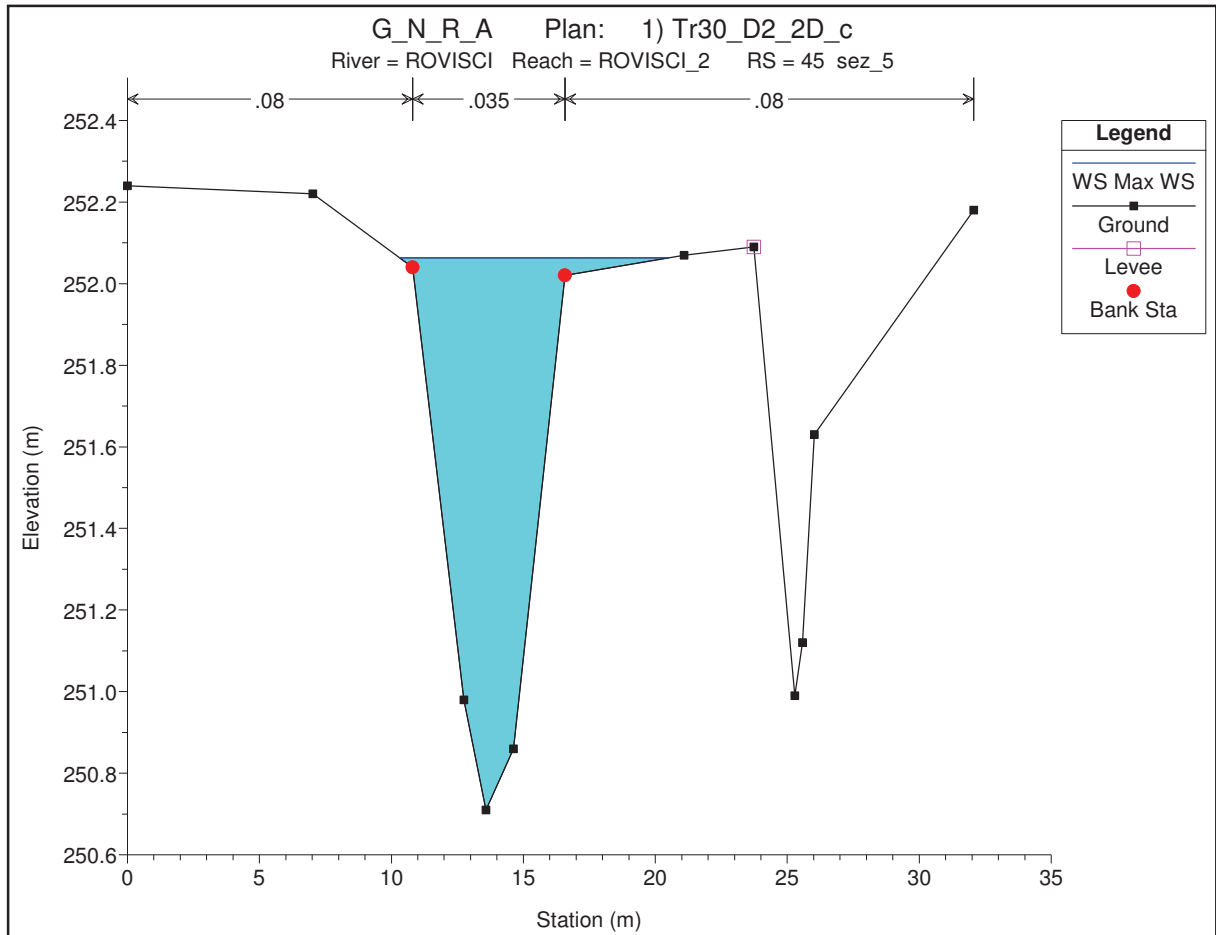


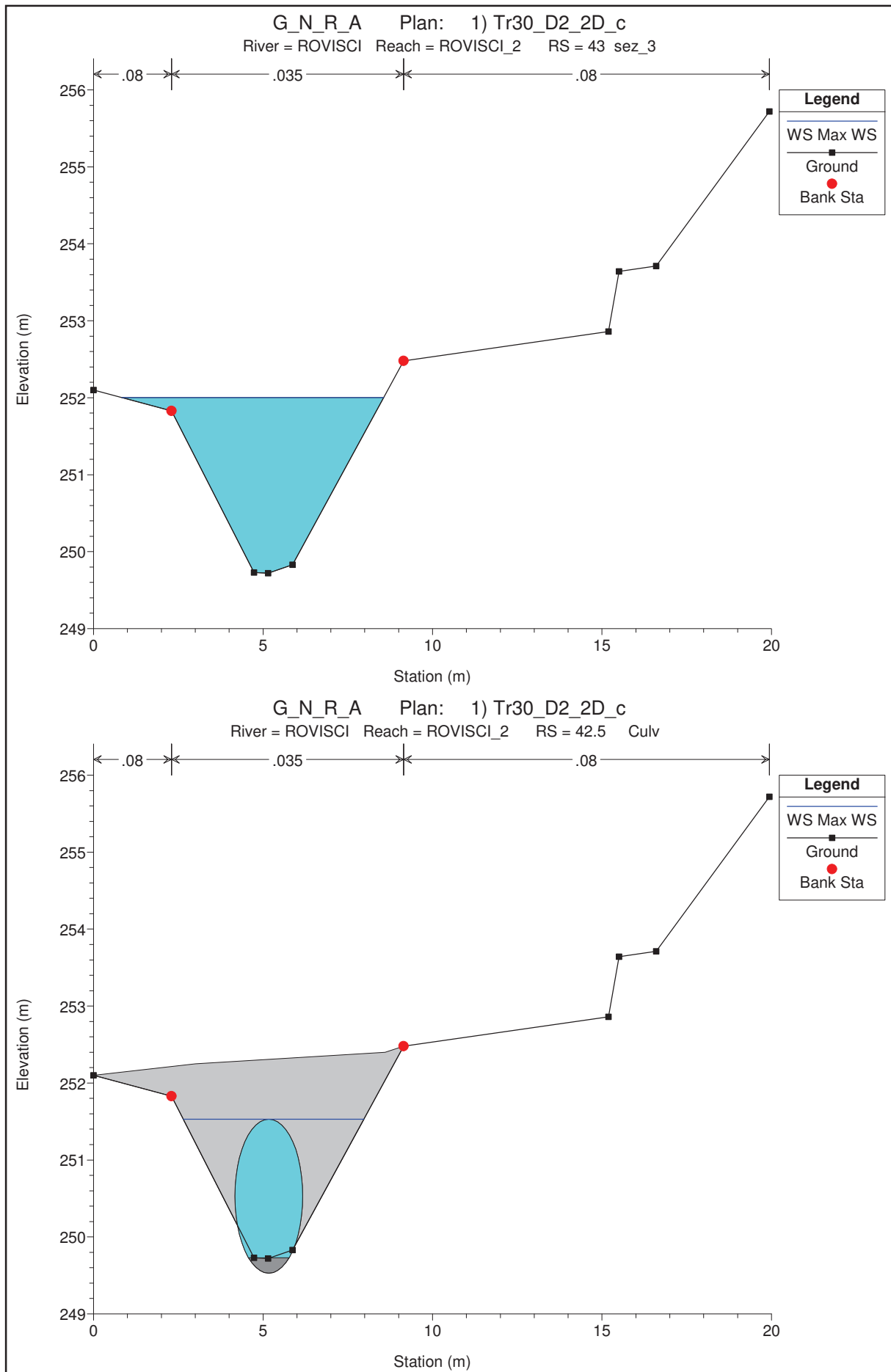


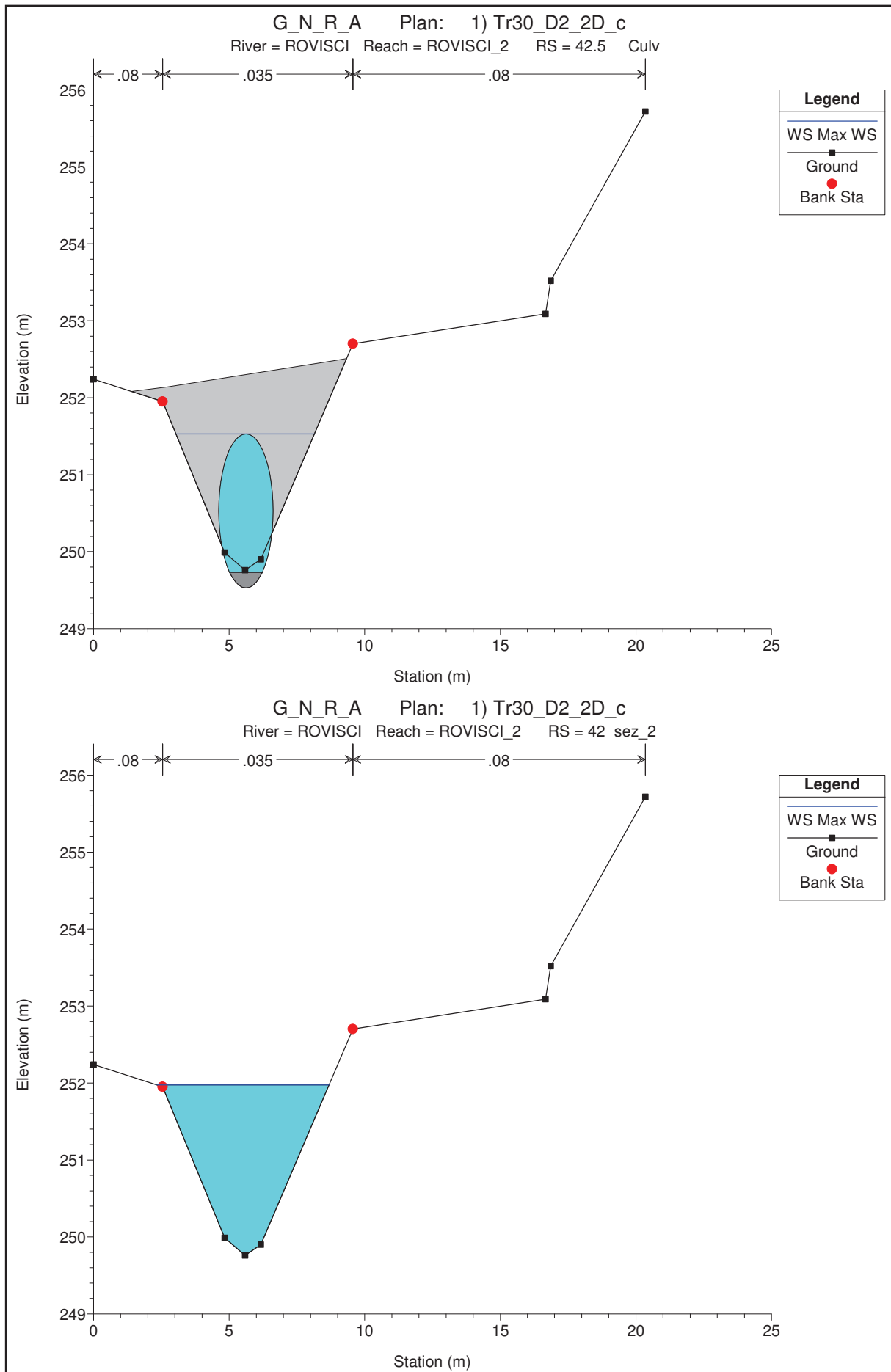


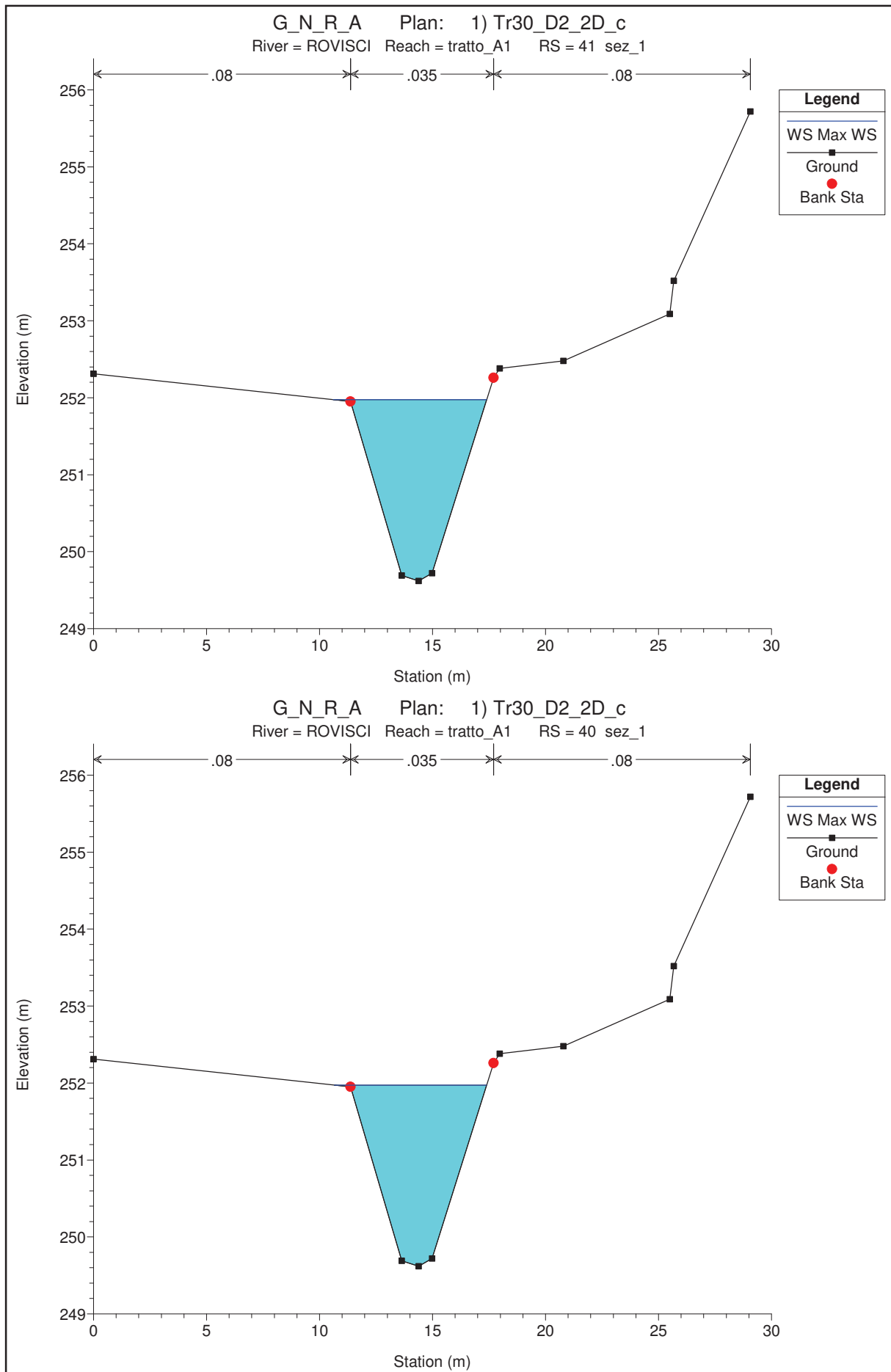


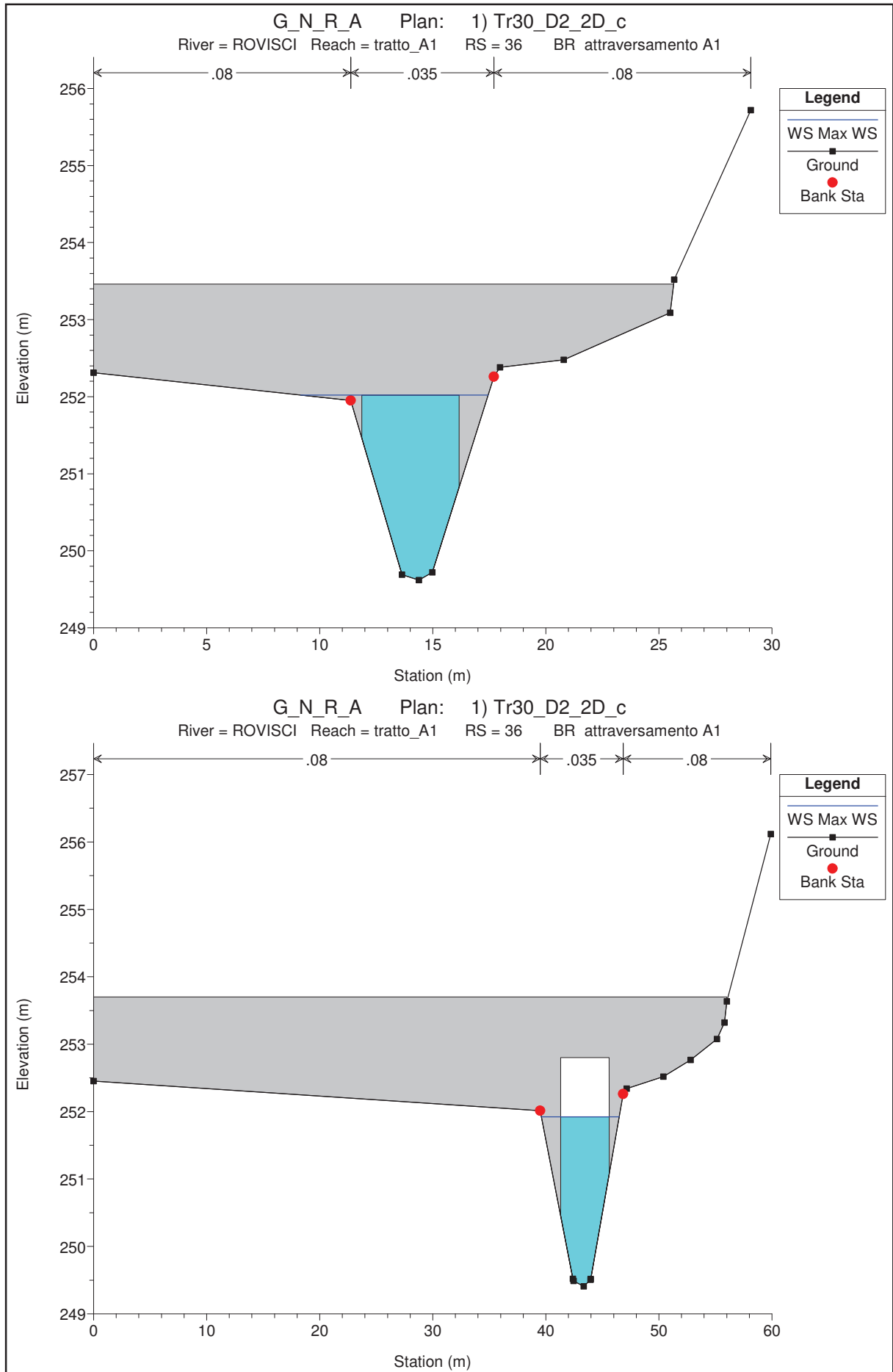




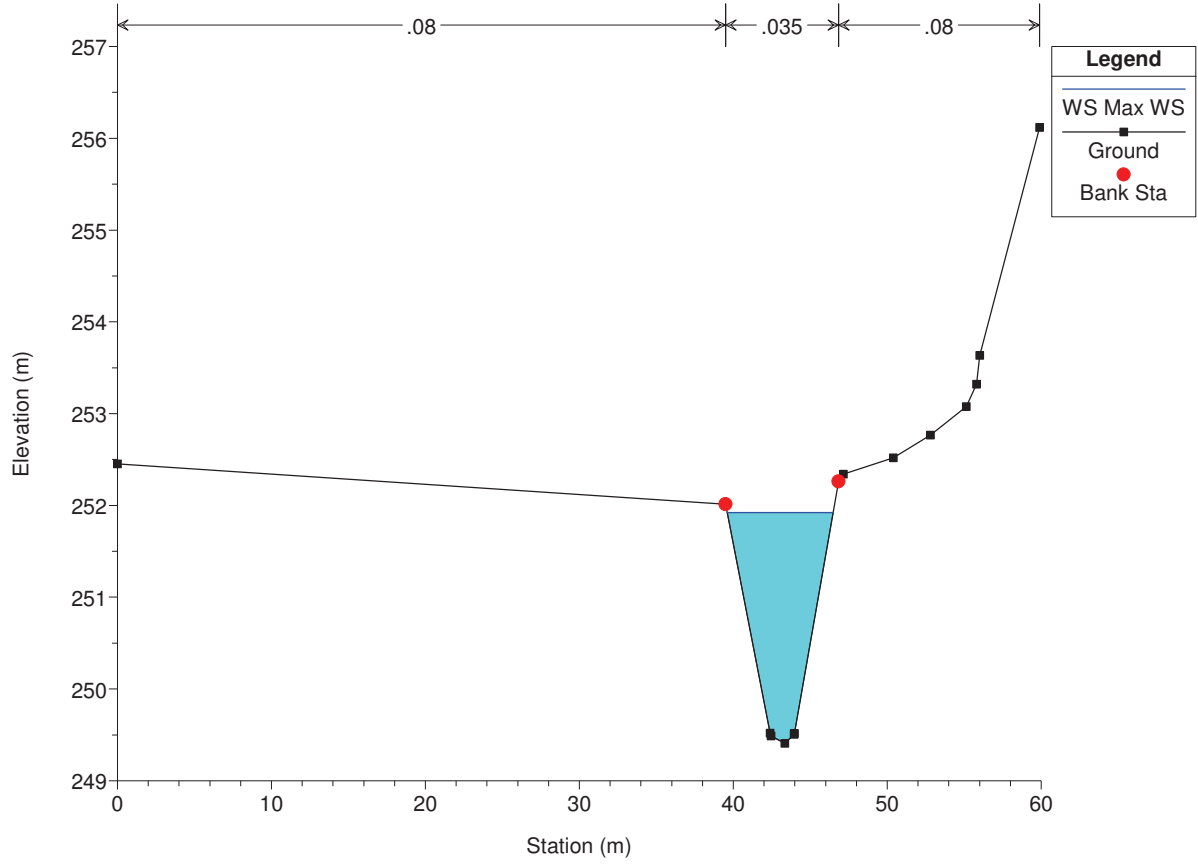








G_N_R_A Plan: 1) Tr30_D2_2D_c
River = ROVISCI Reach = tratto_A1 RS = 35.6





ALLEGATI

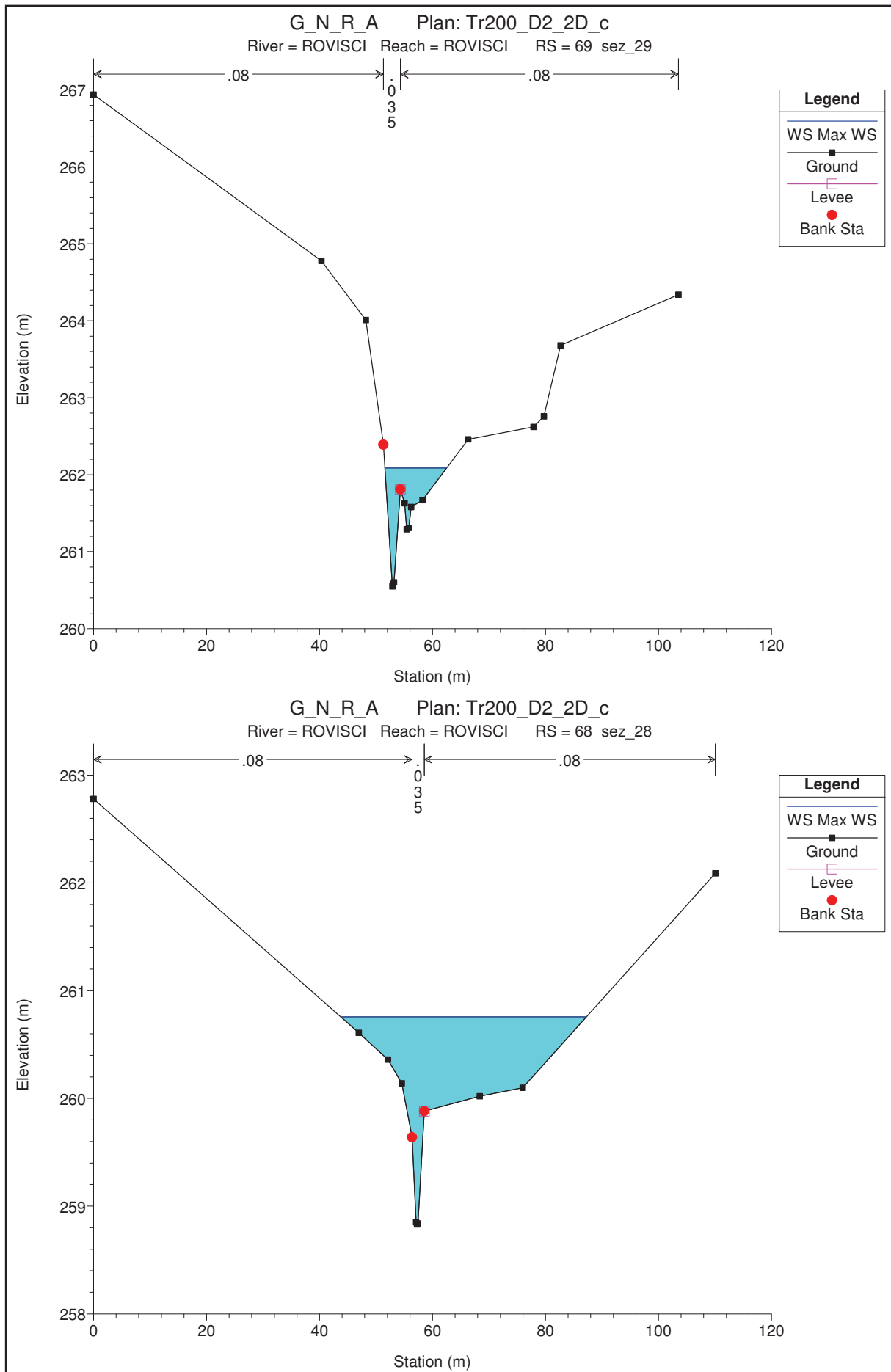
MODELLAZIONE HEC-RAS 5.0.3 "Montepulciano stazione"

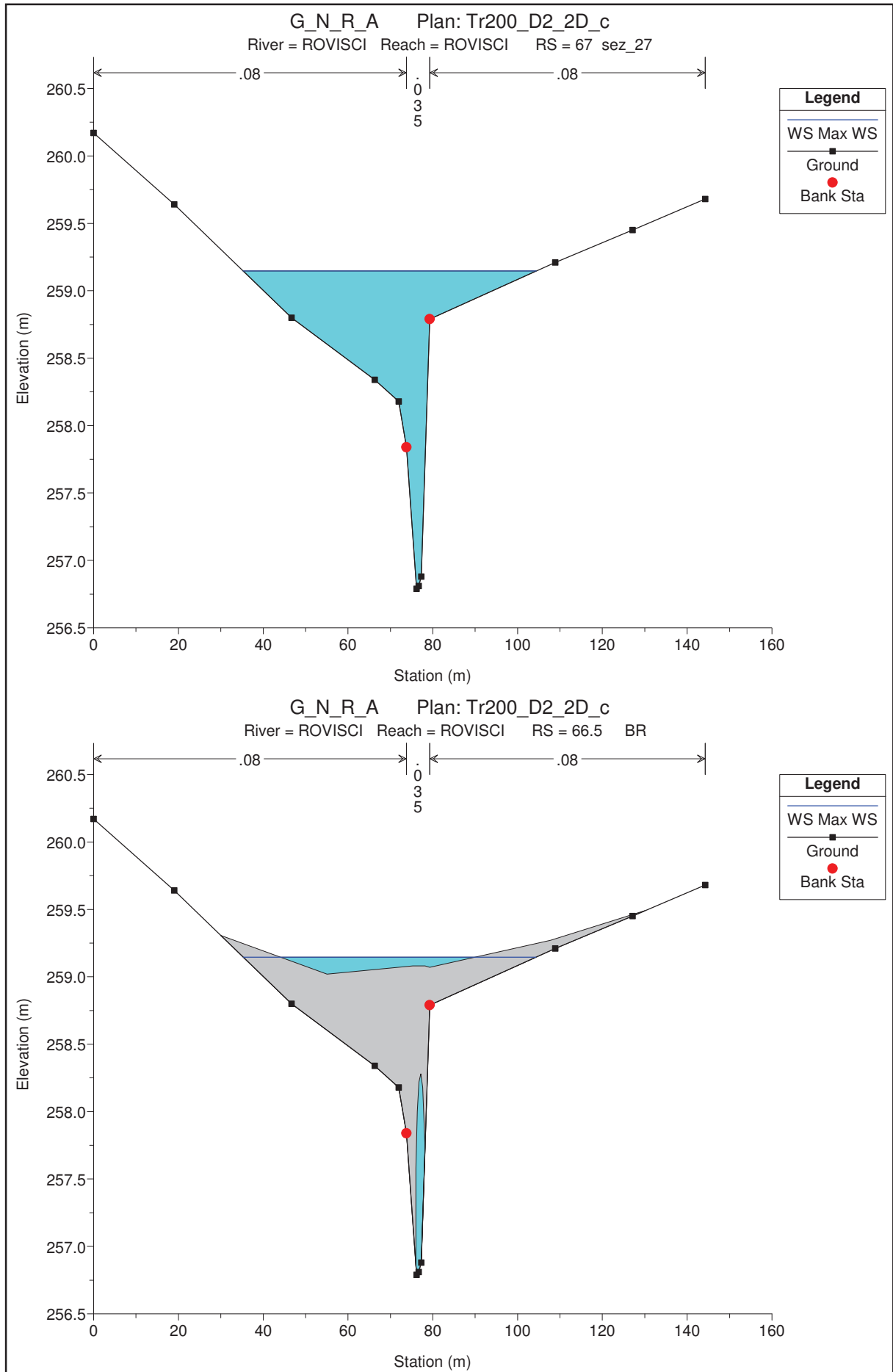
FOSSO ROVISCI

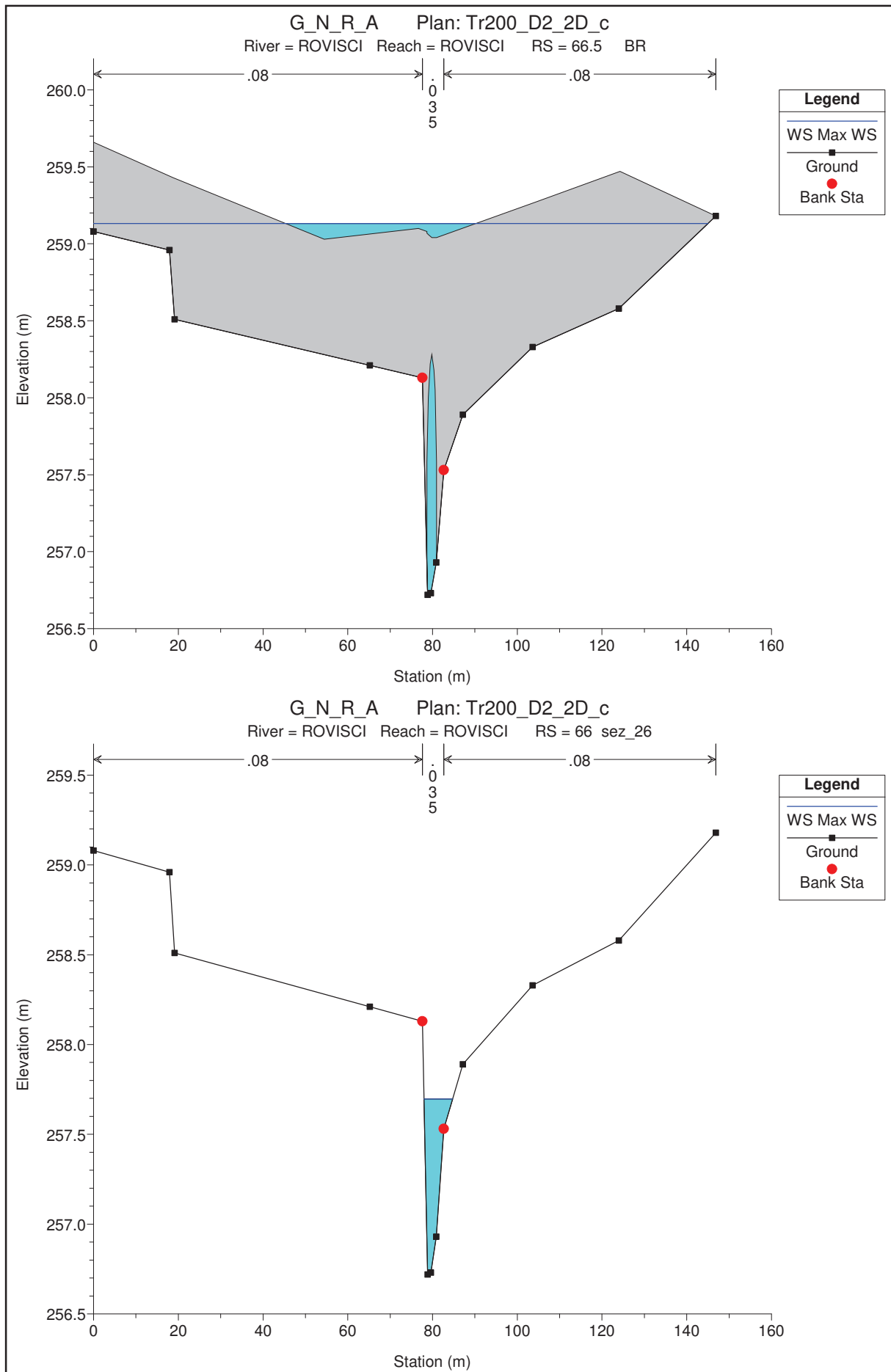
MODELLAZIONE PER TR=200 anni

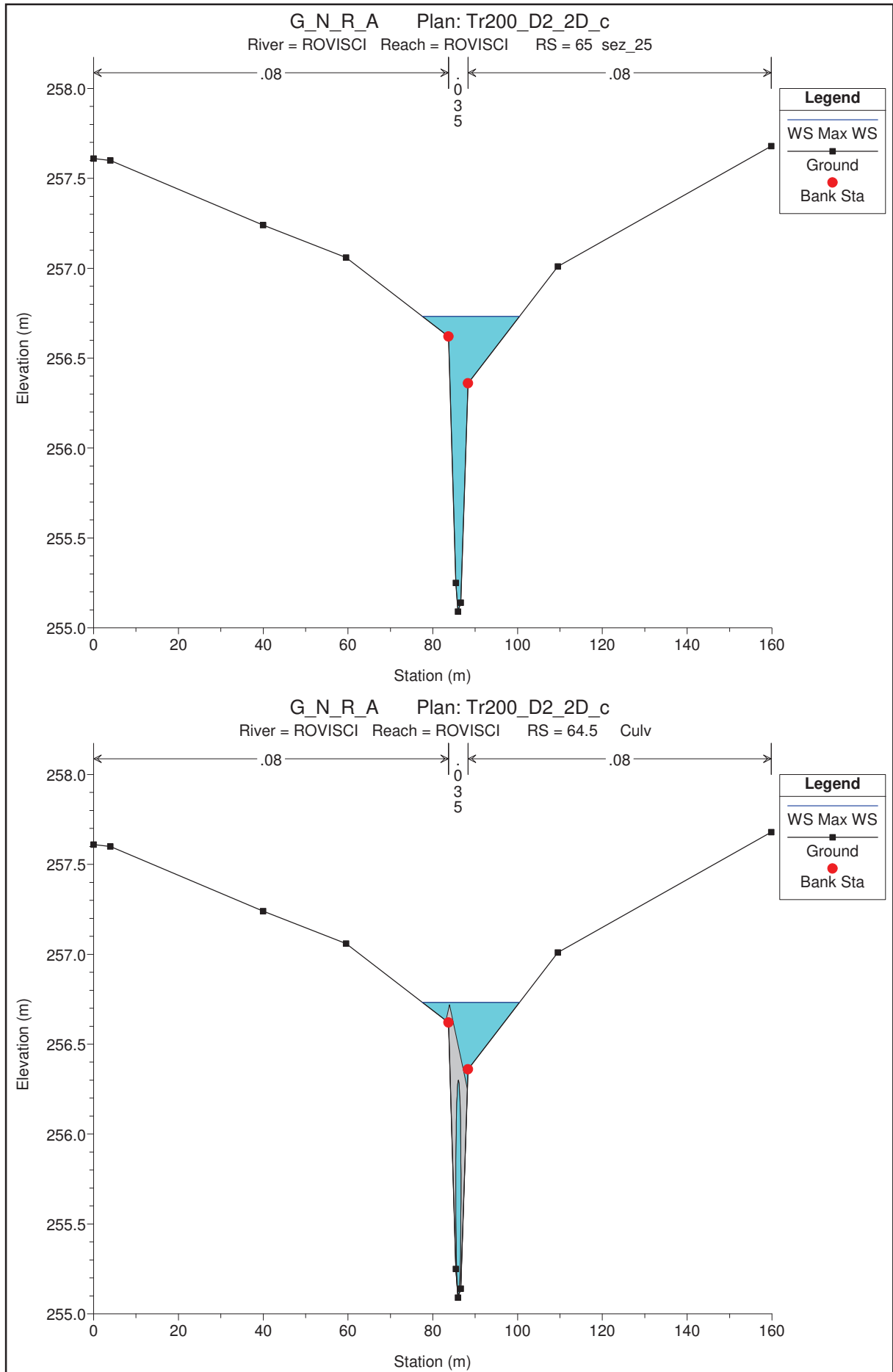
DURATE DI PIOGGIA: 2h

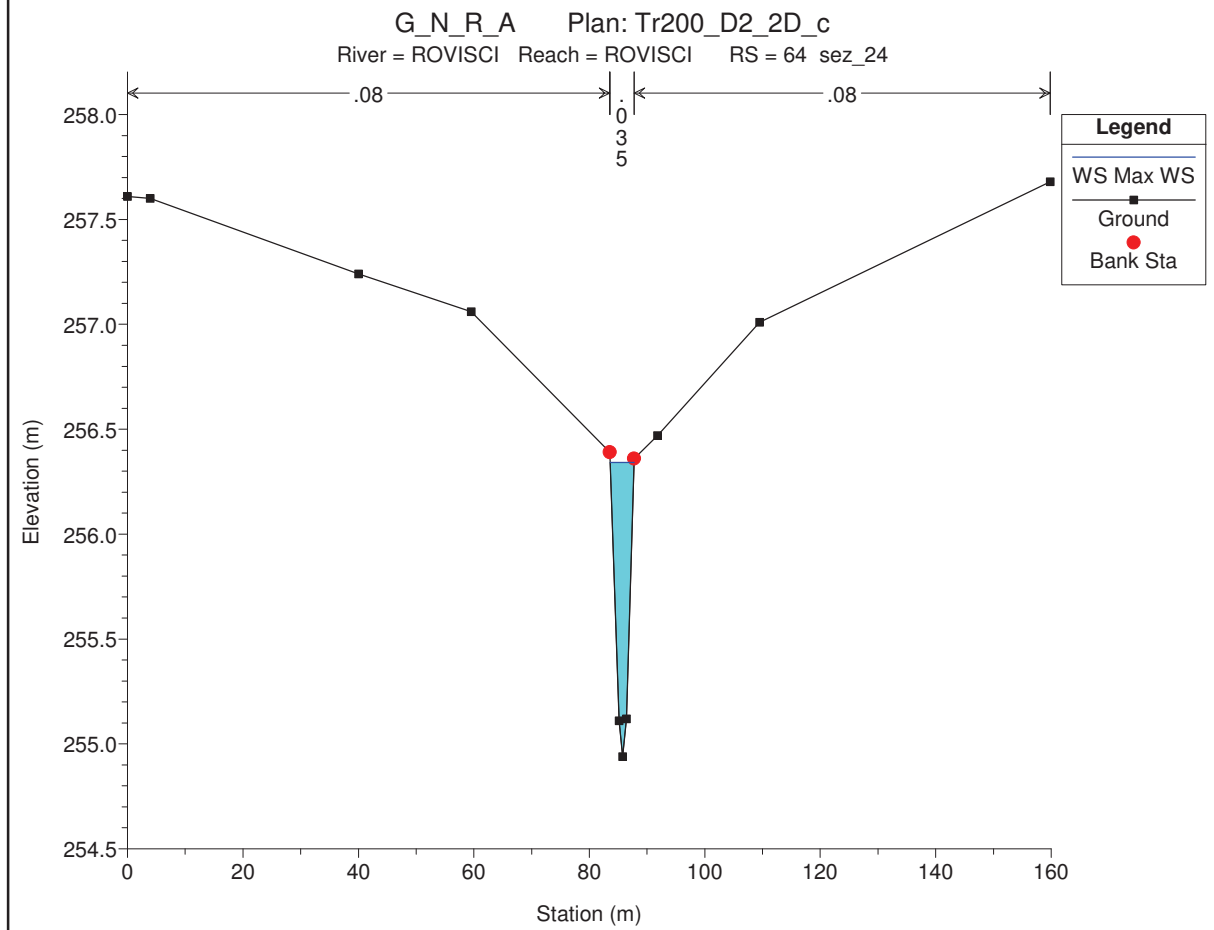
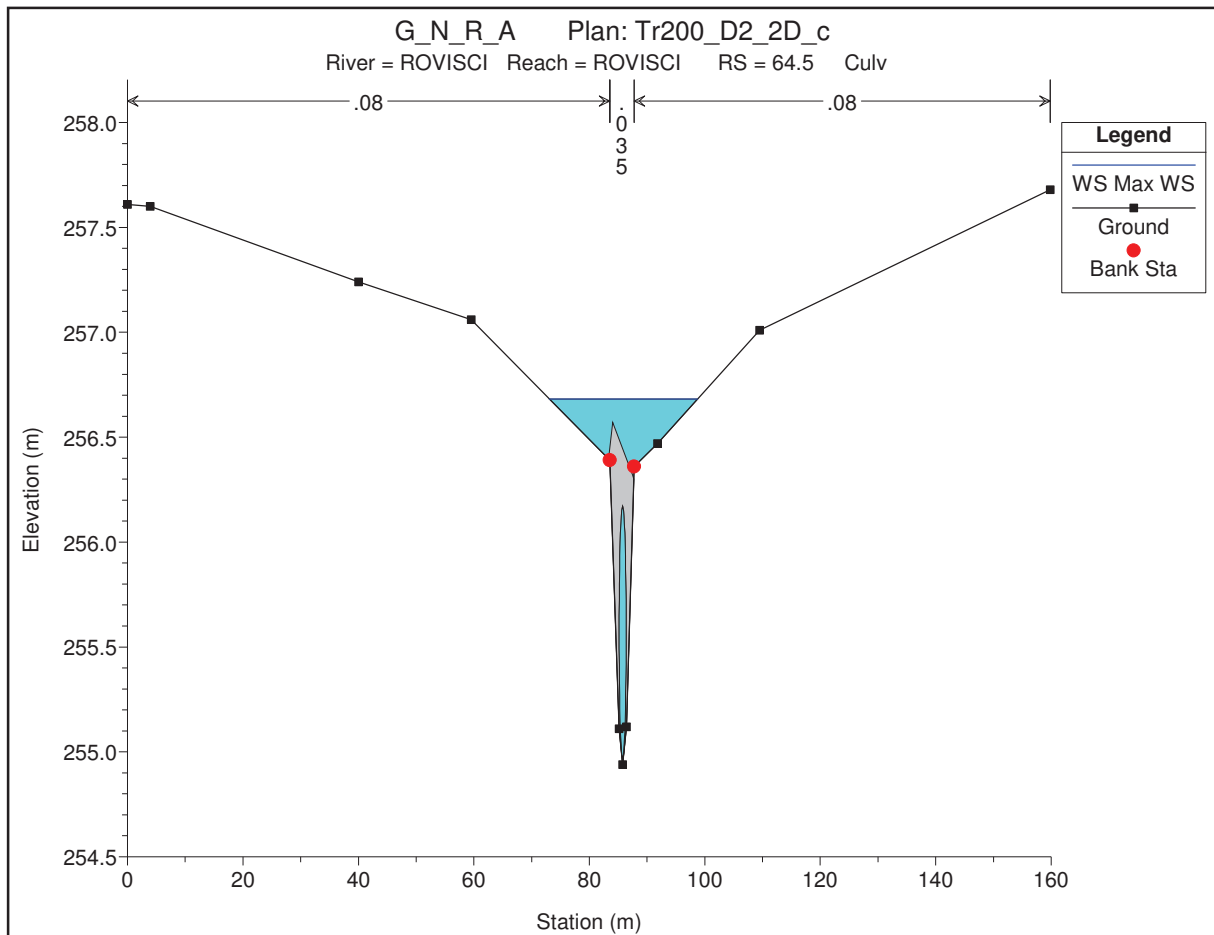
Sezioni Trasversali (da monte verso valle)

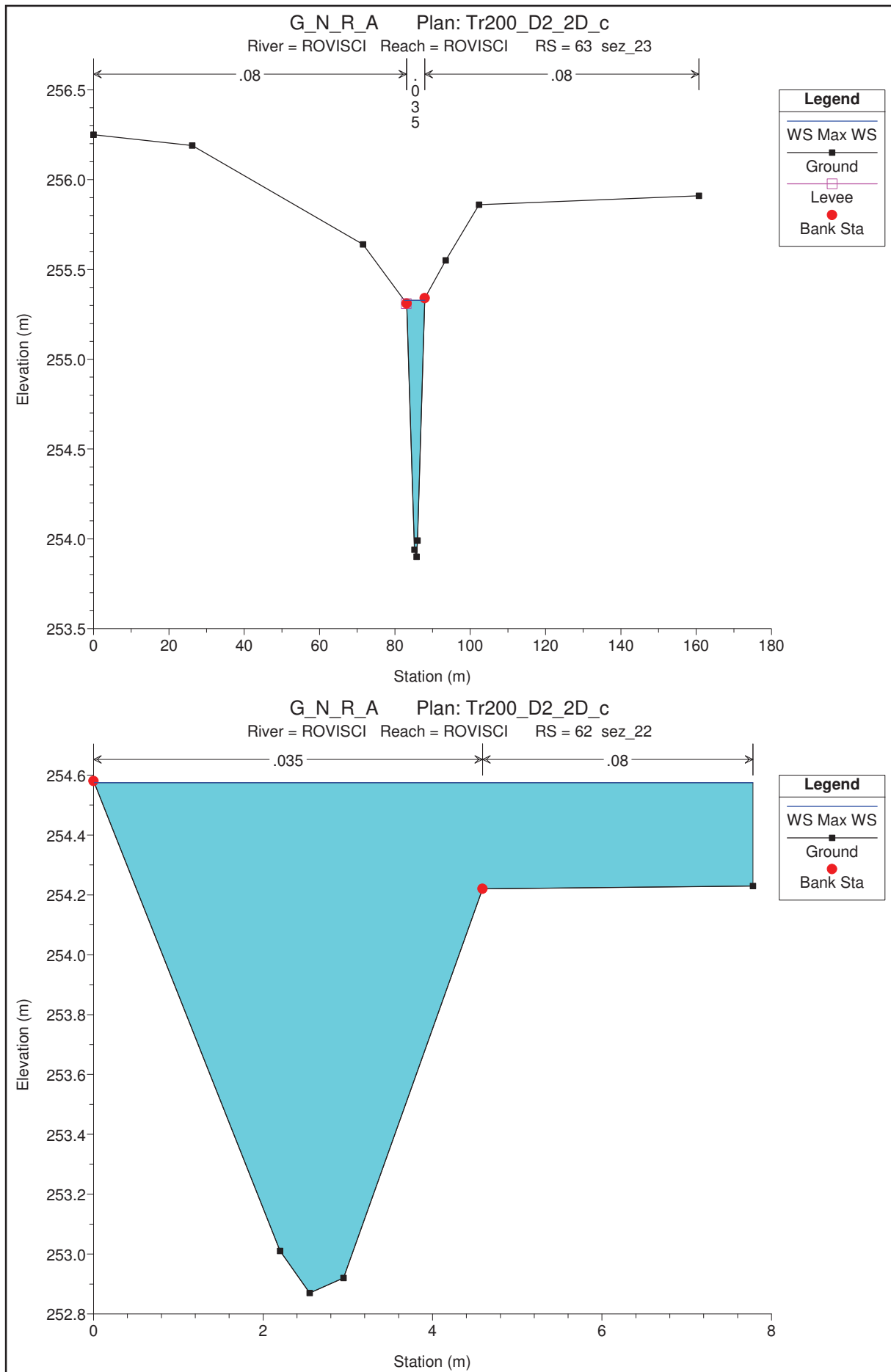


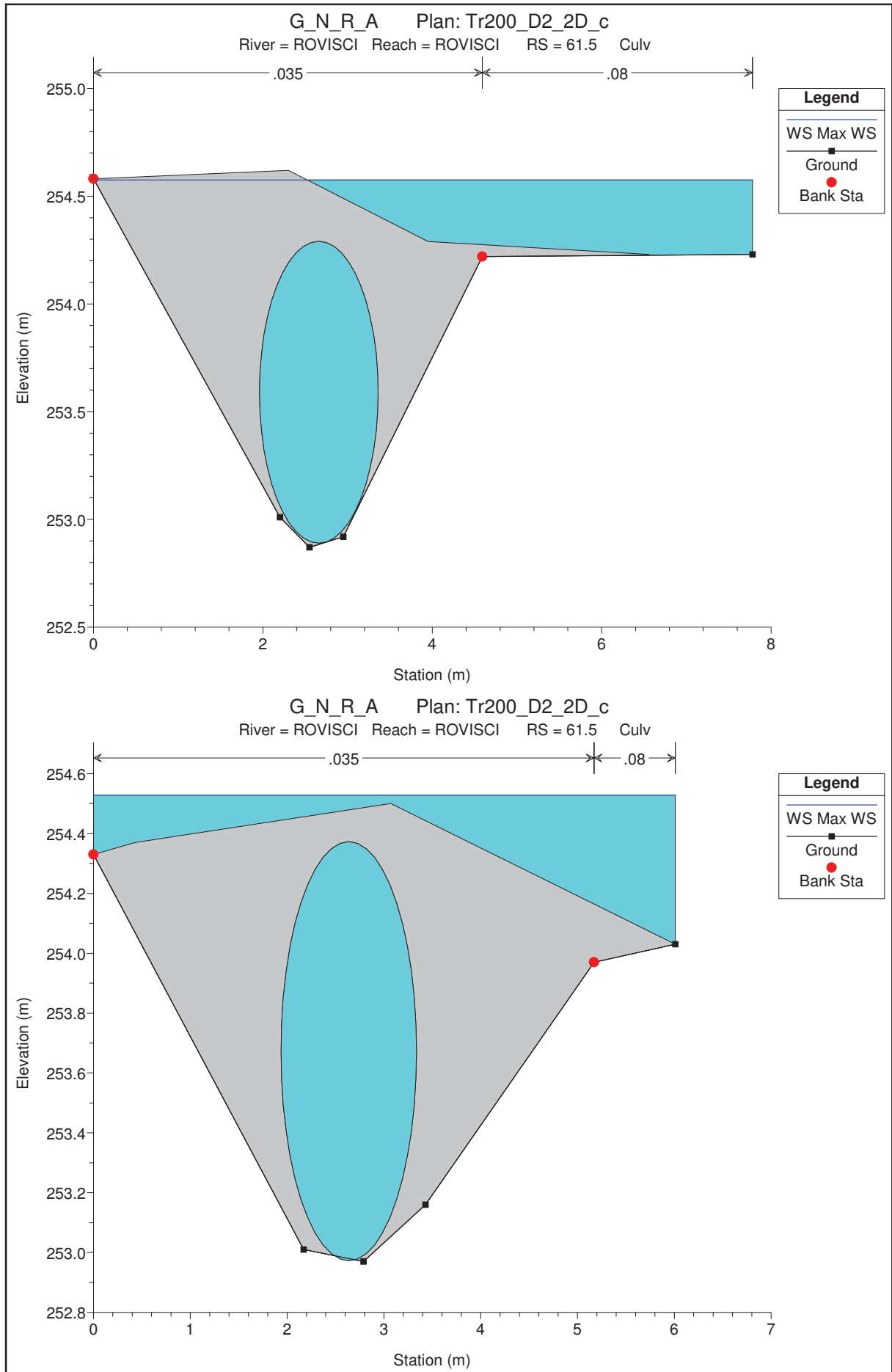


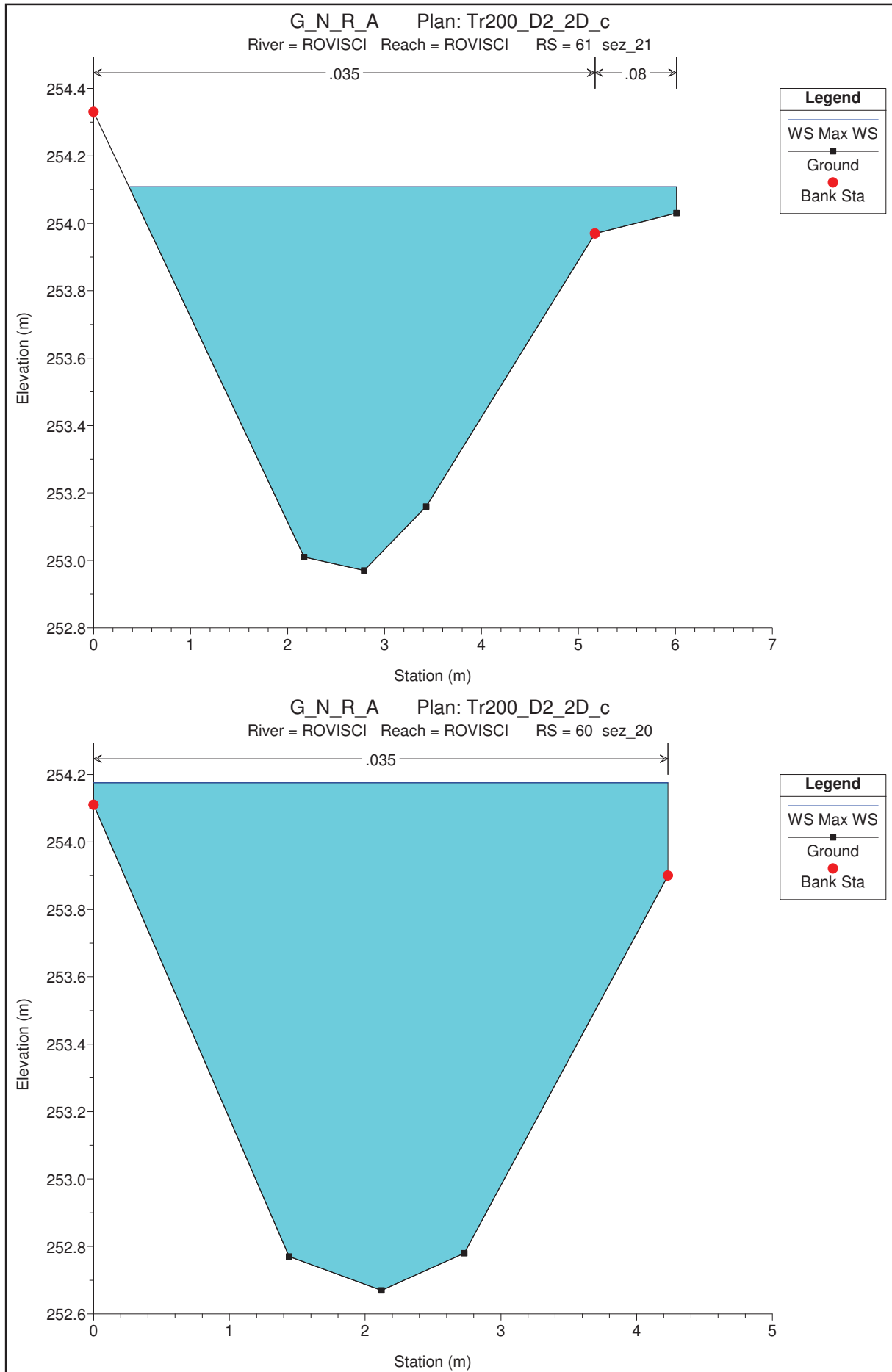


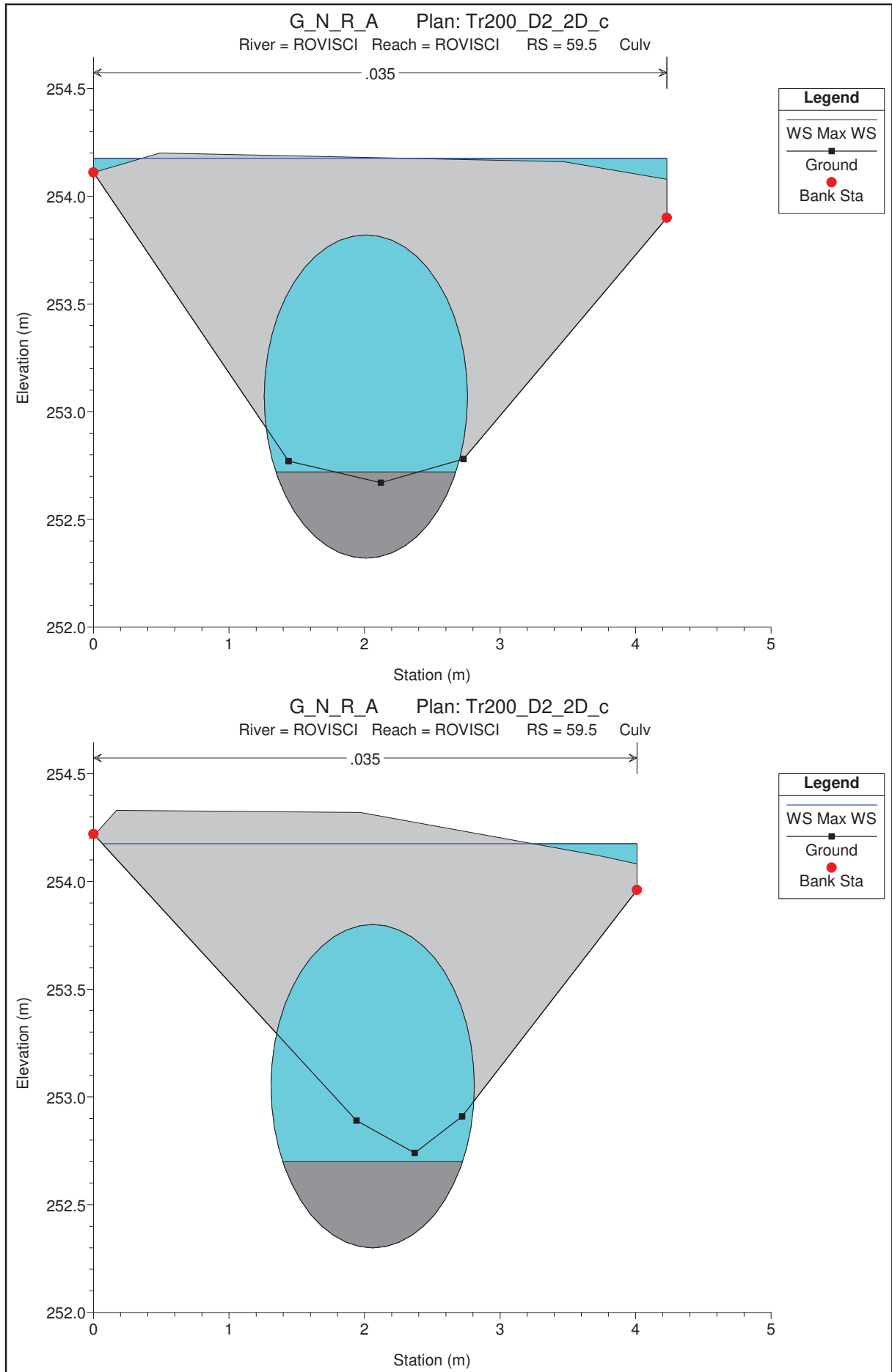


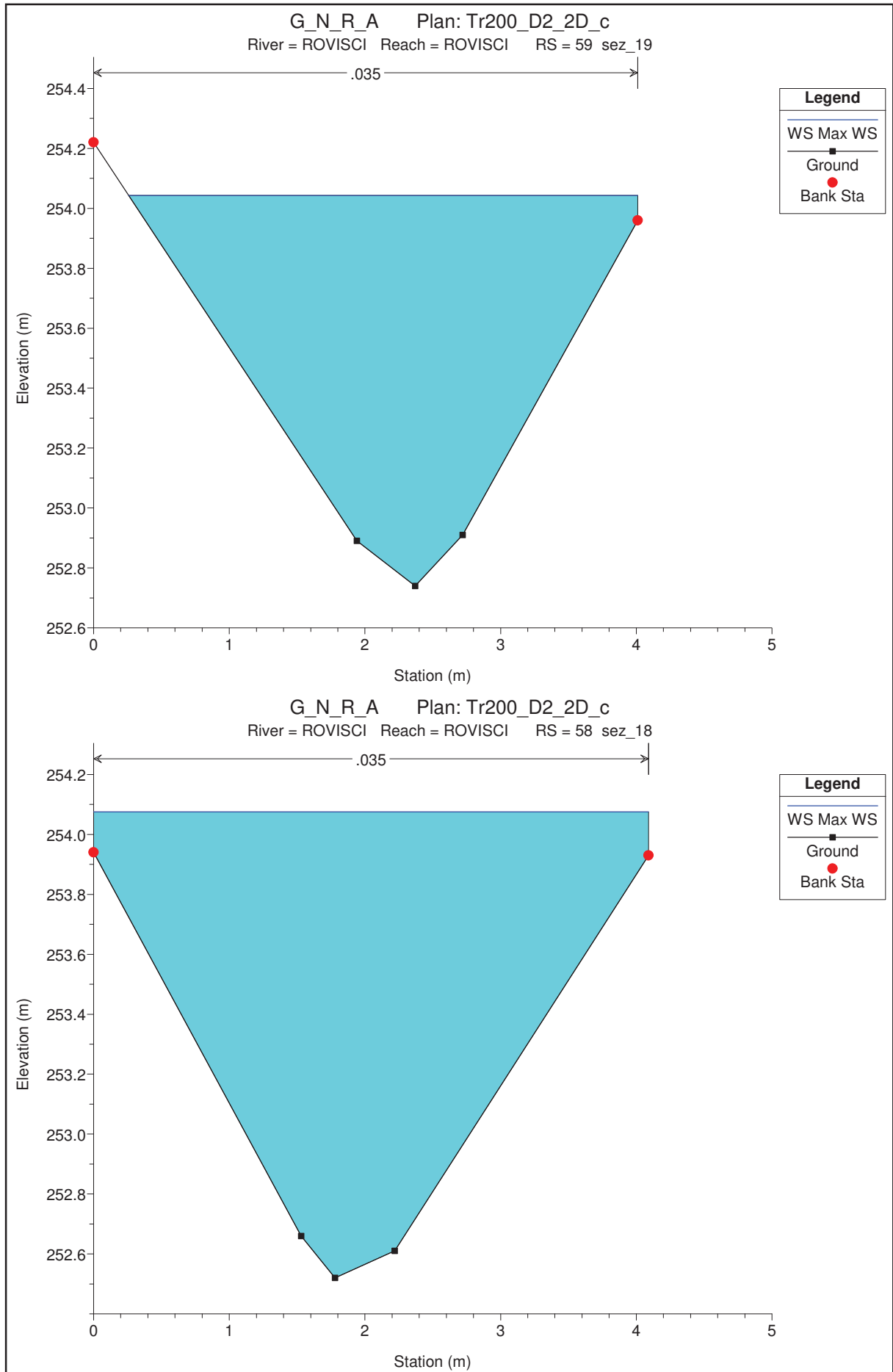


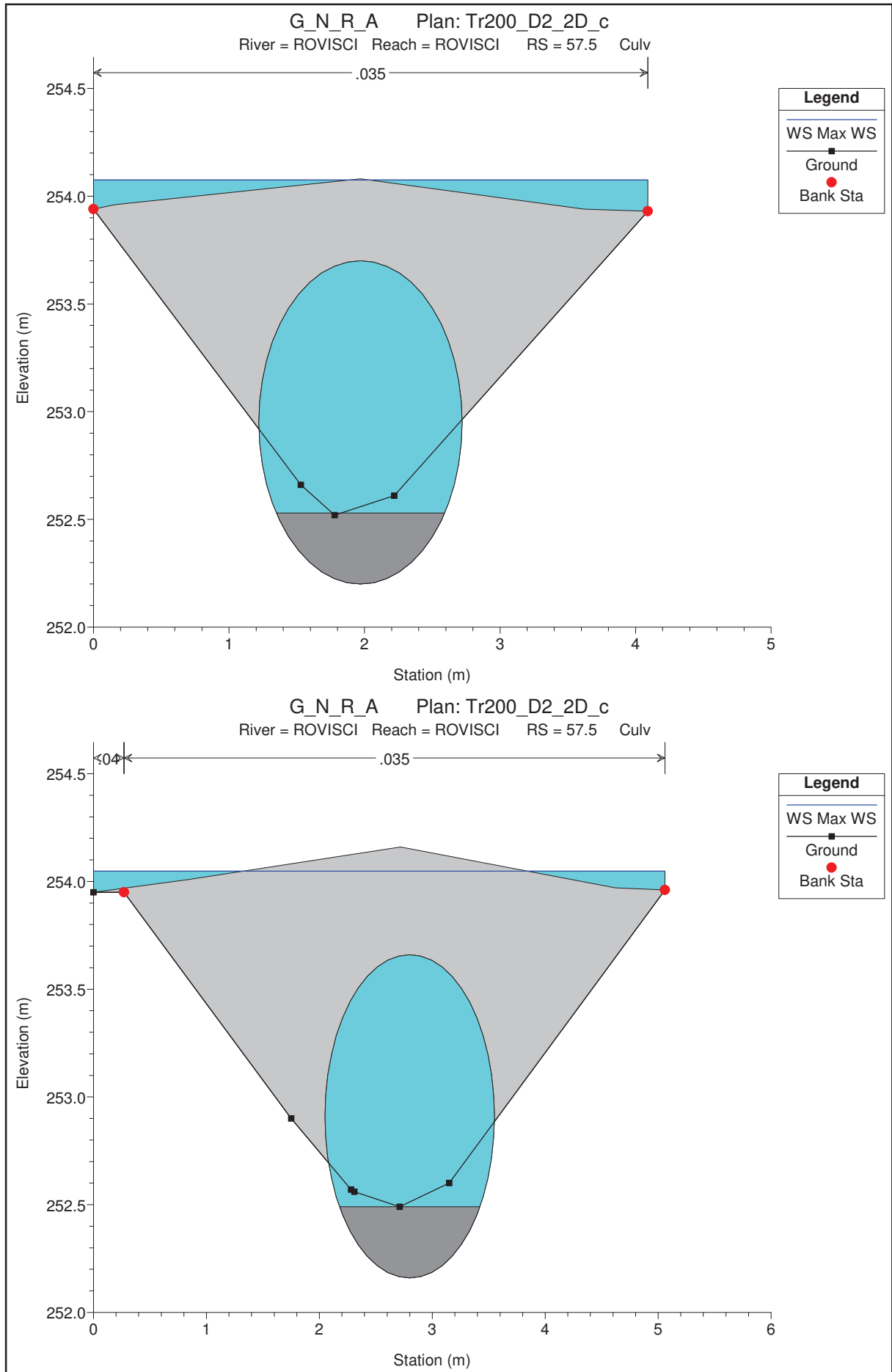


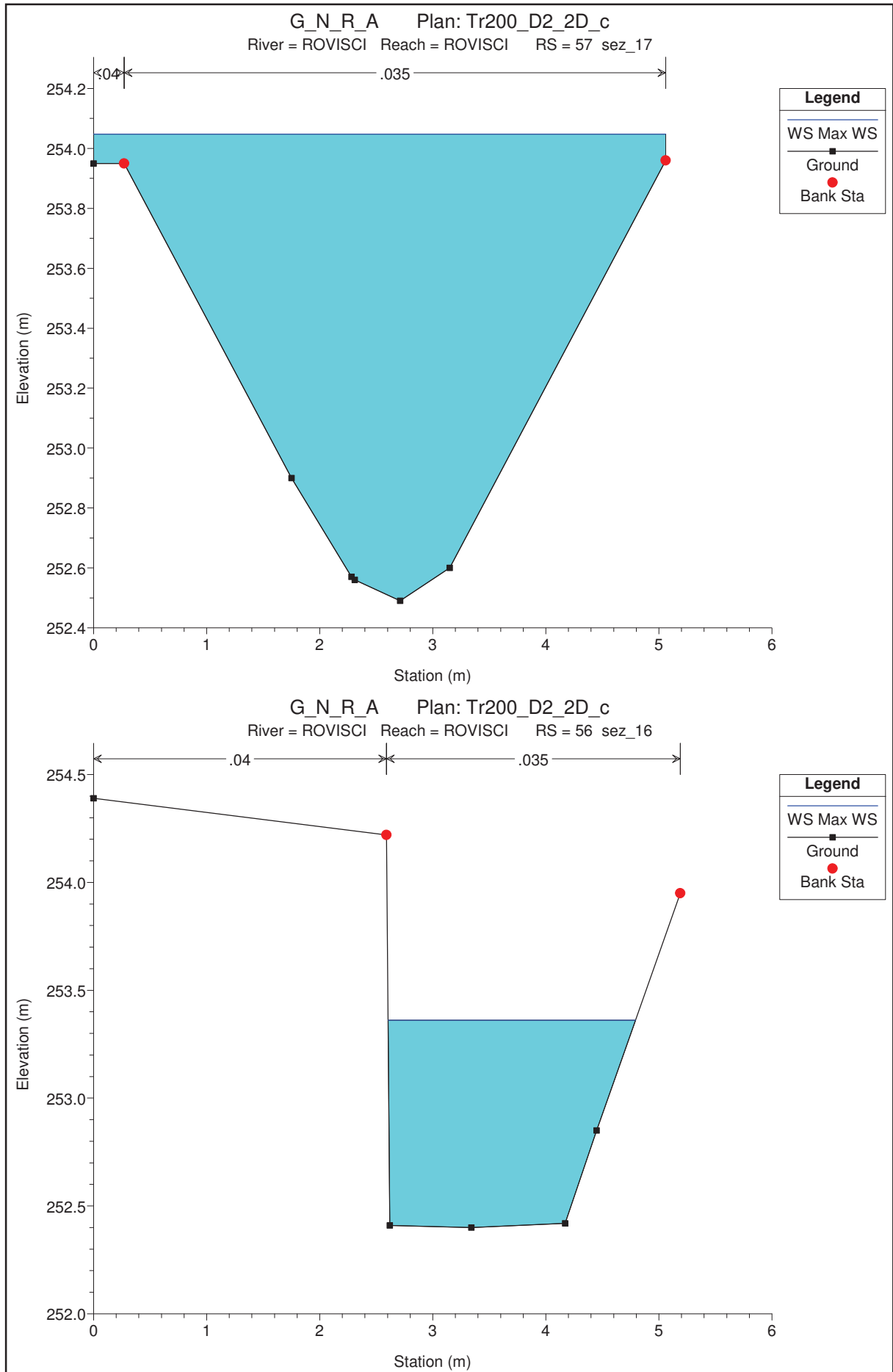


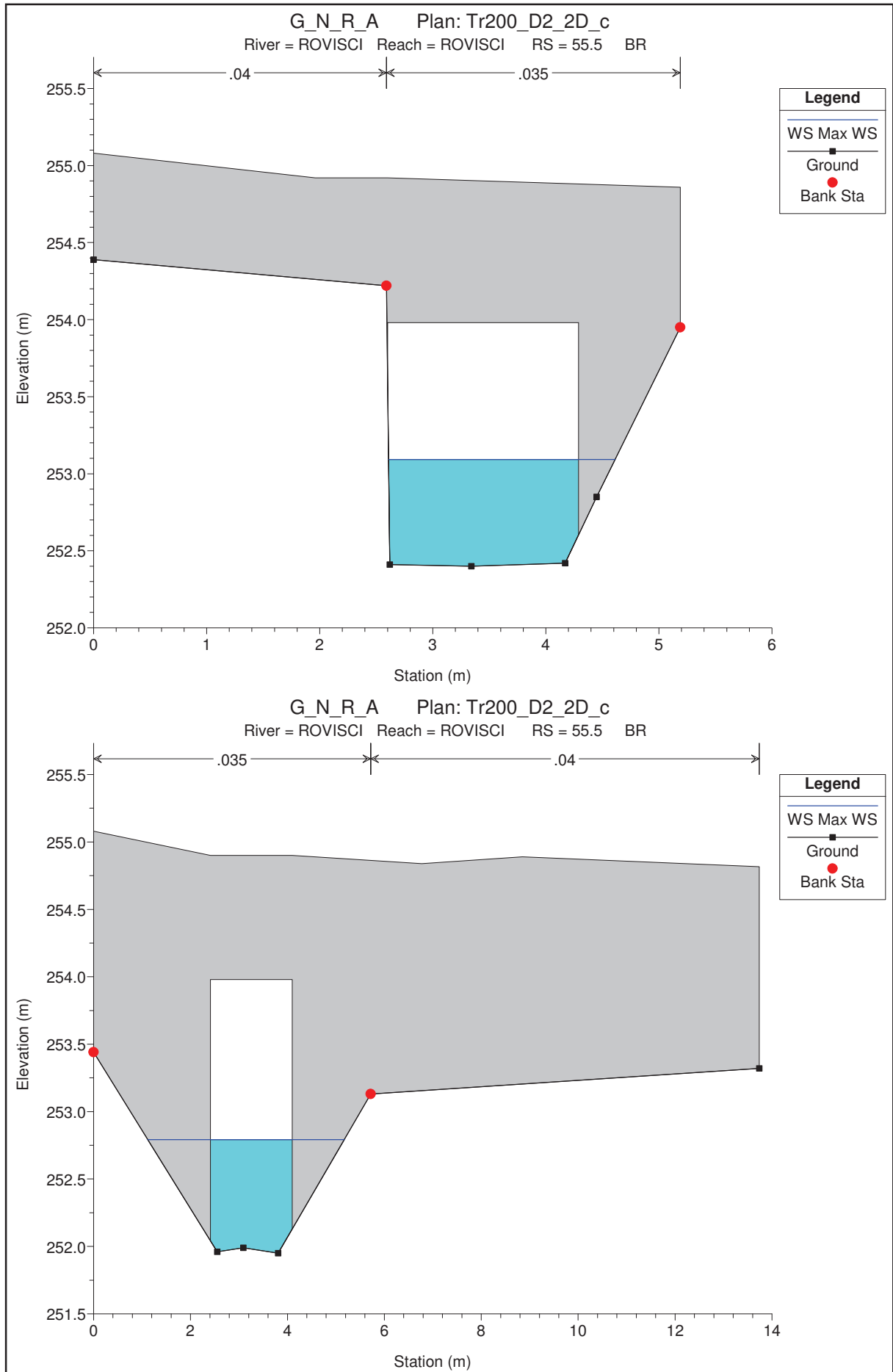


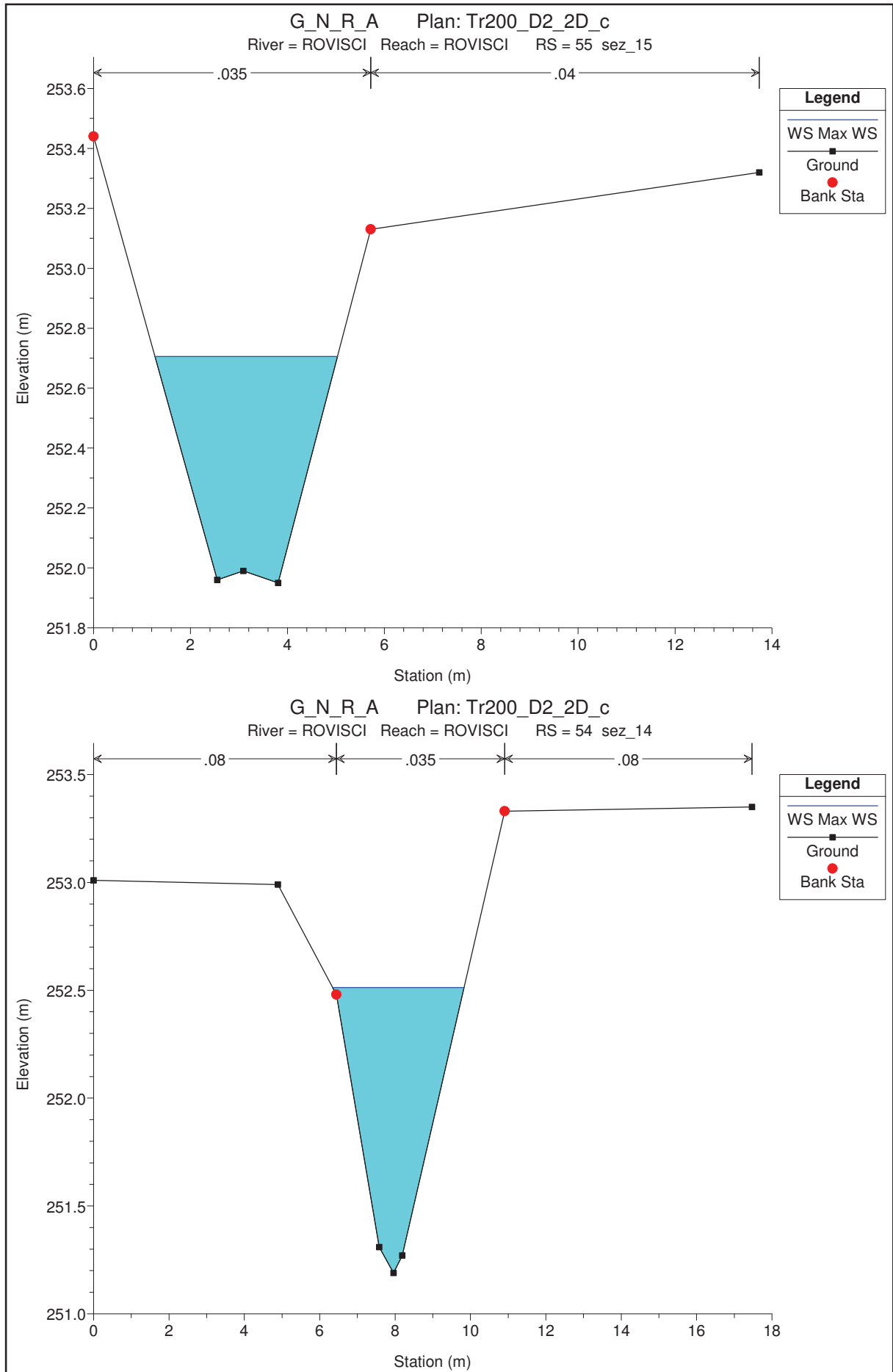


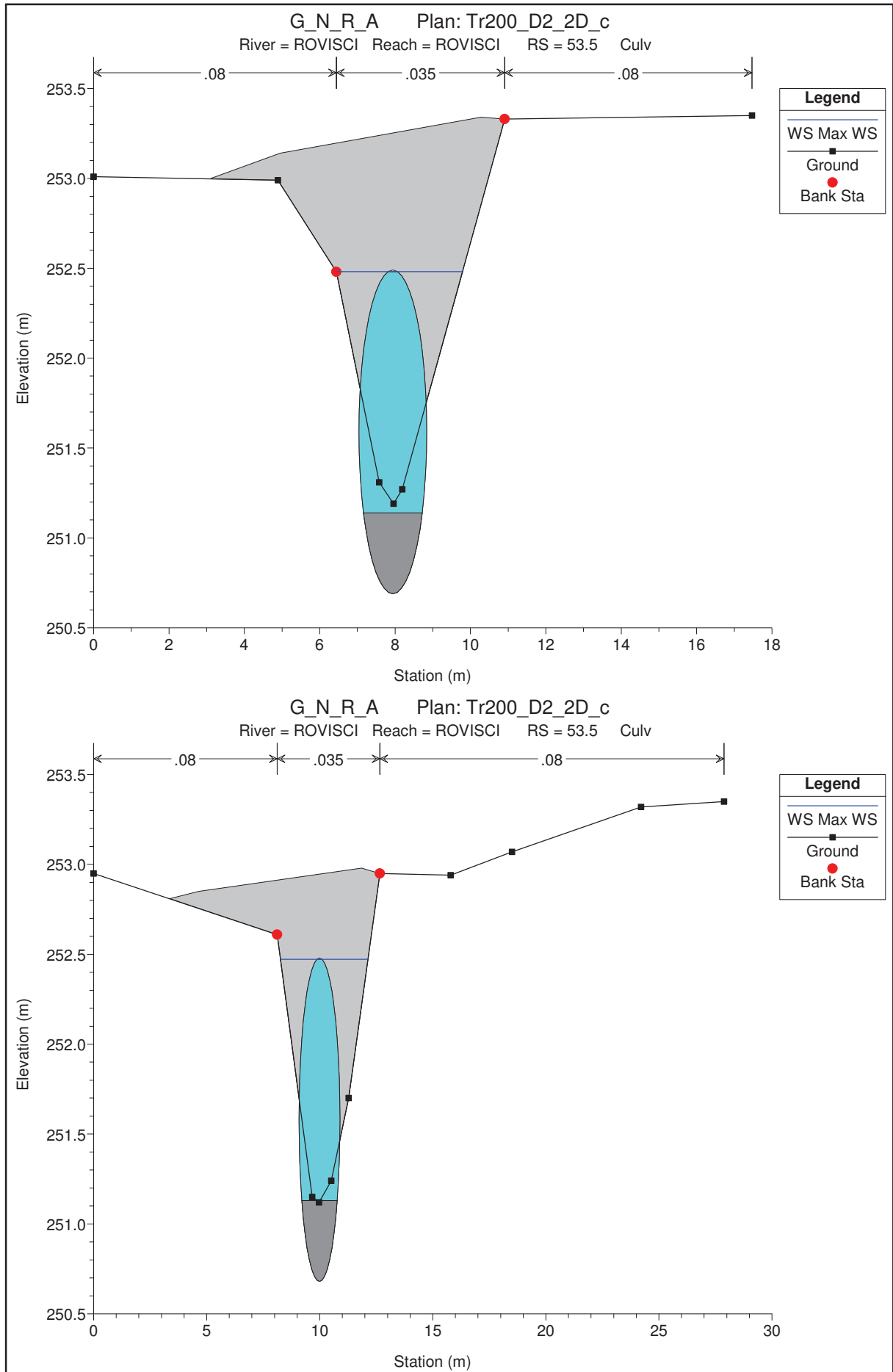


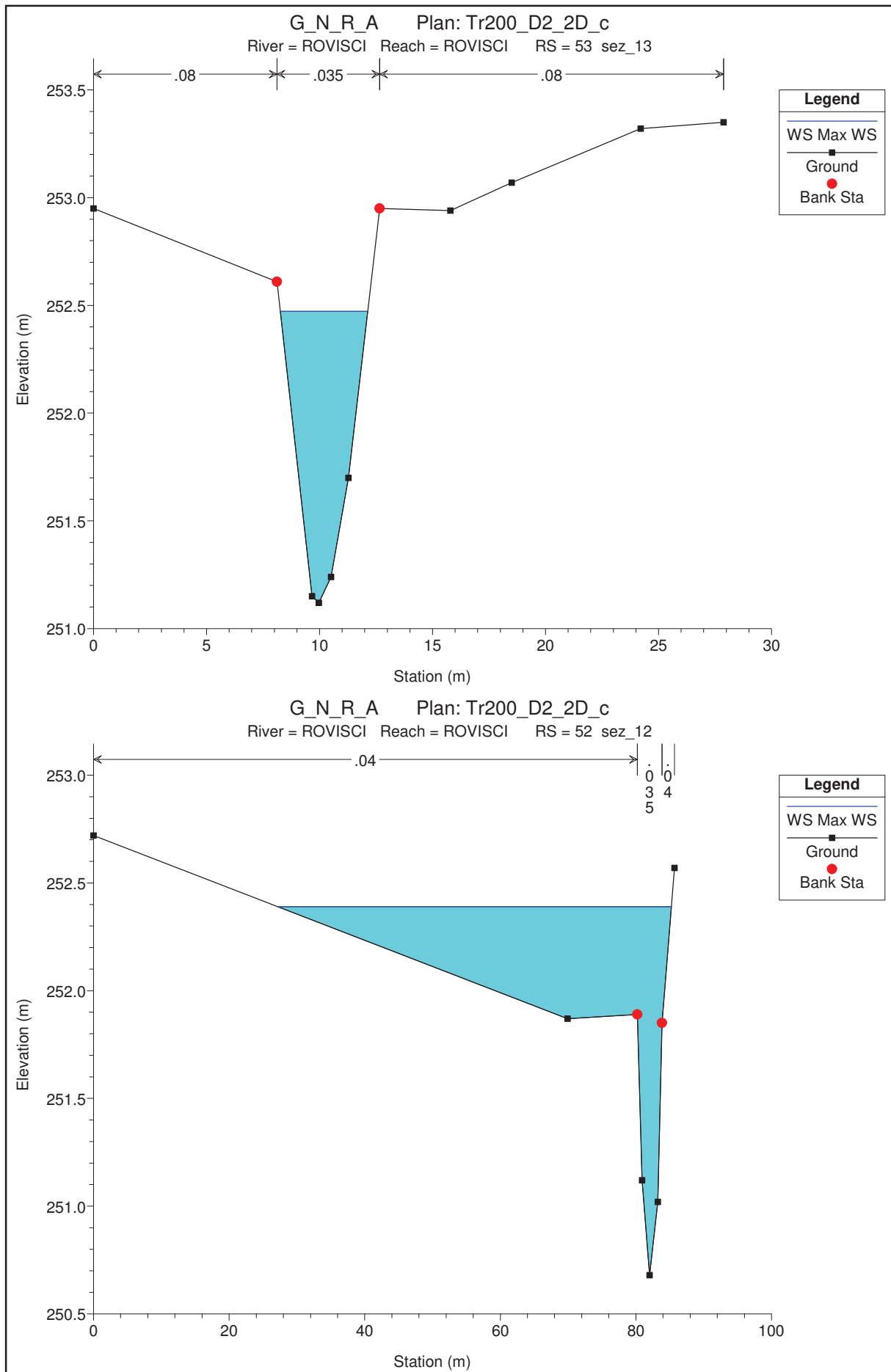


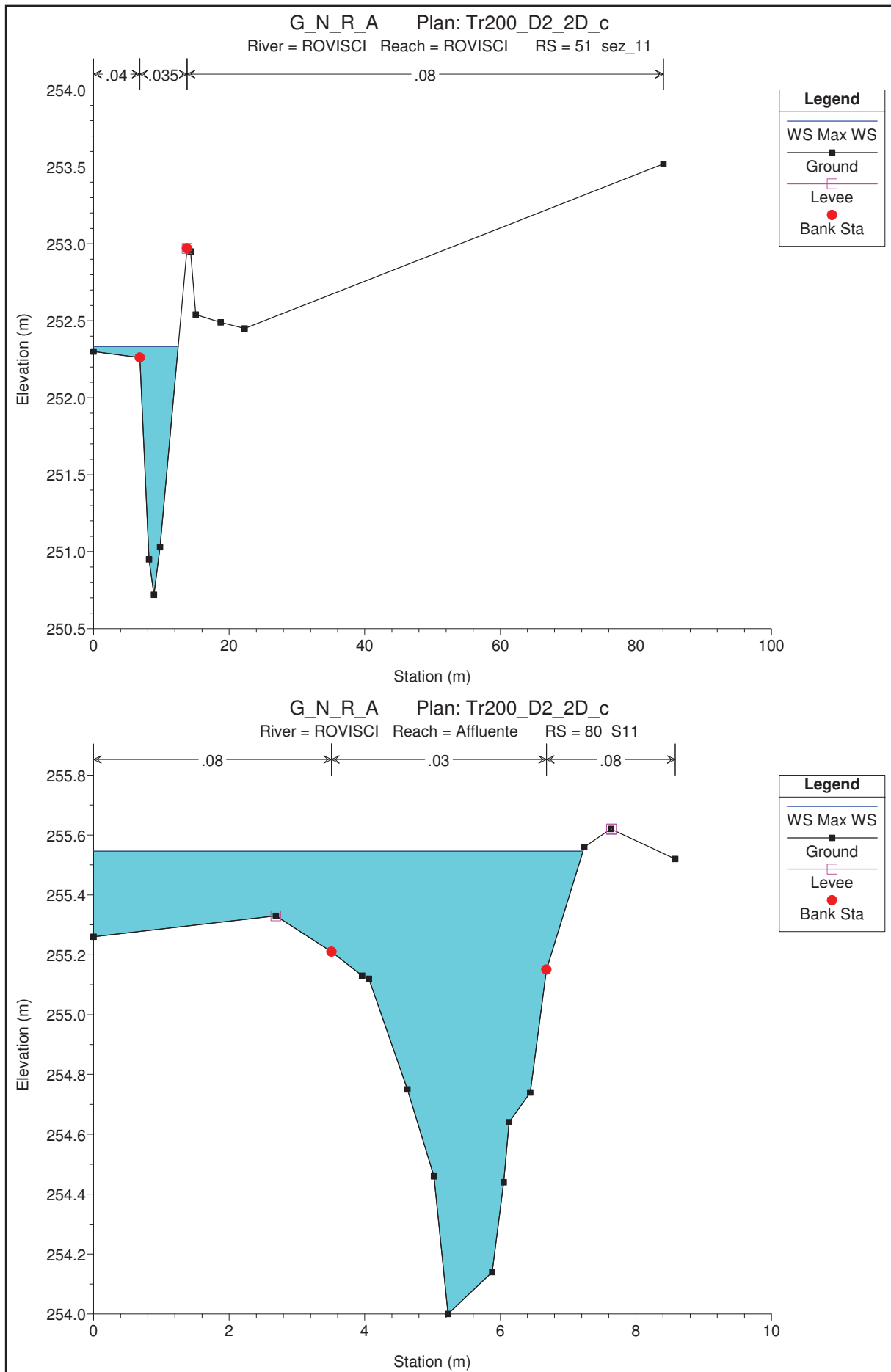


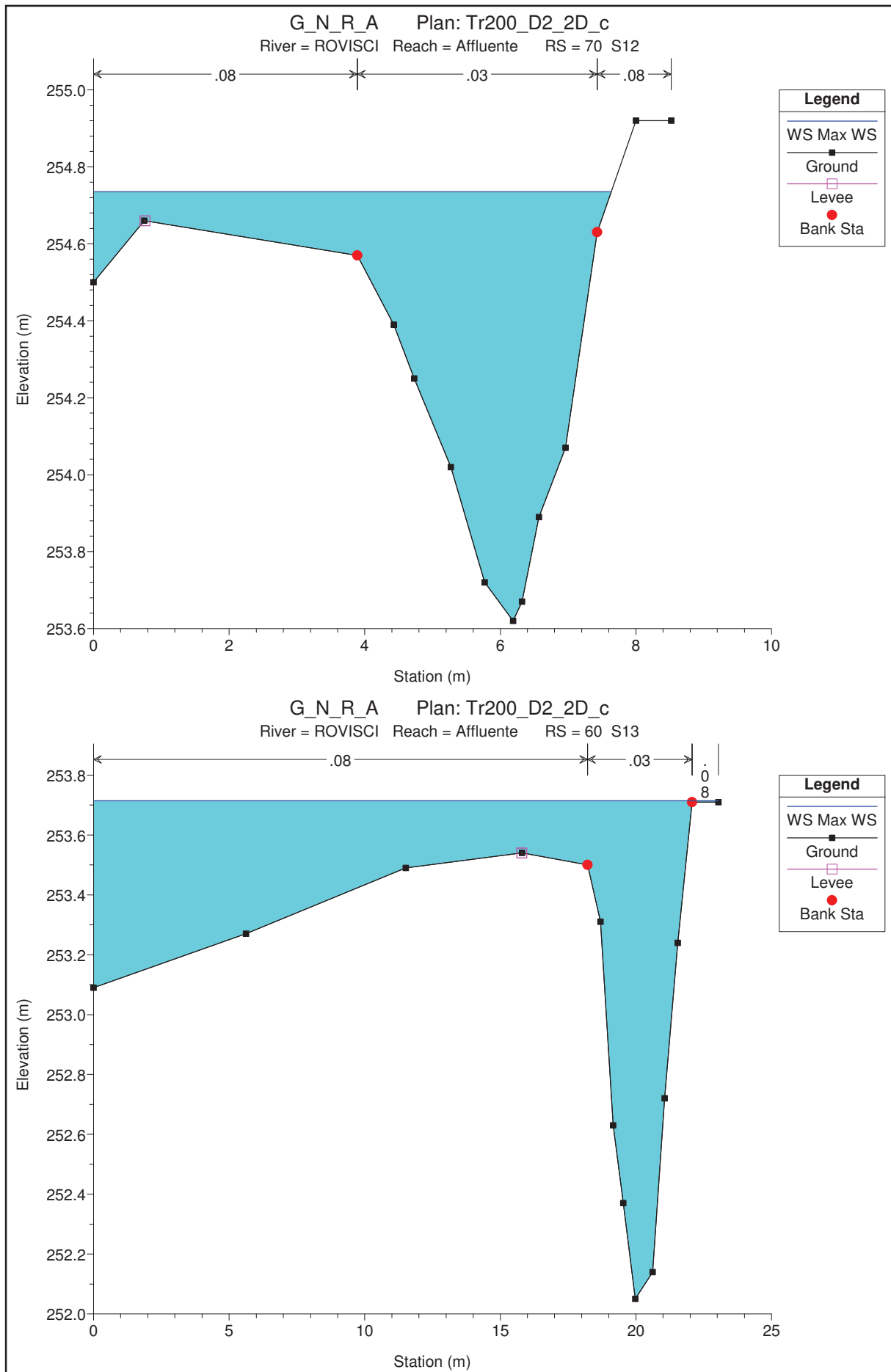


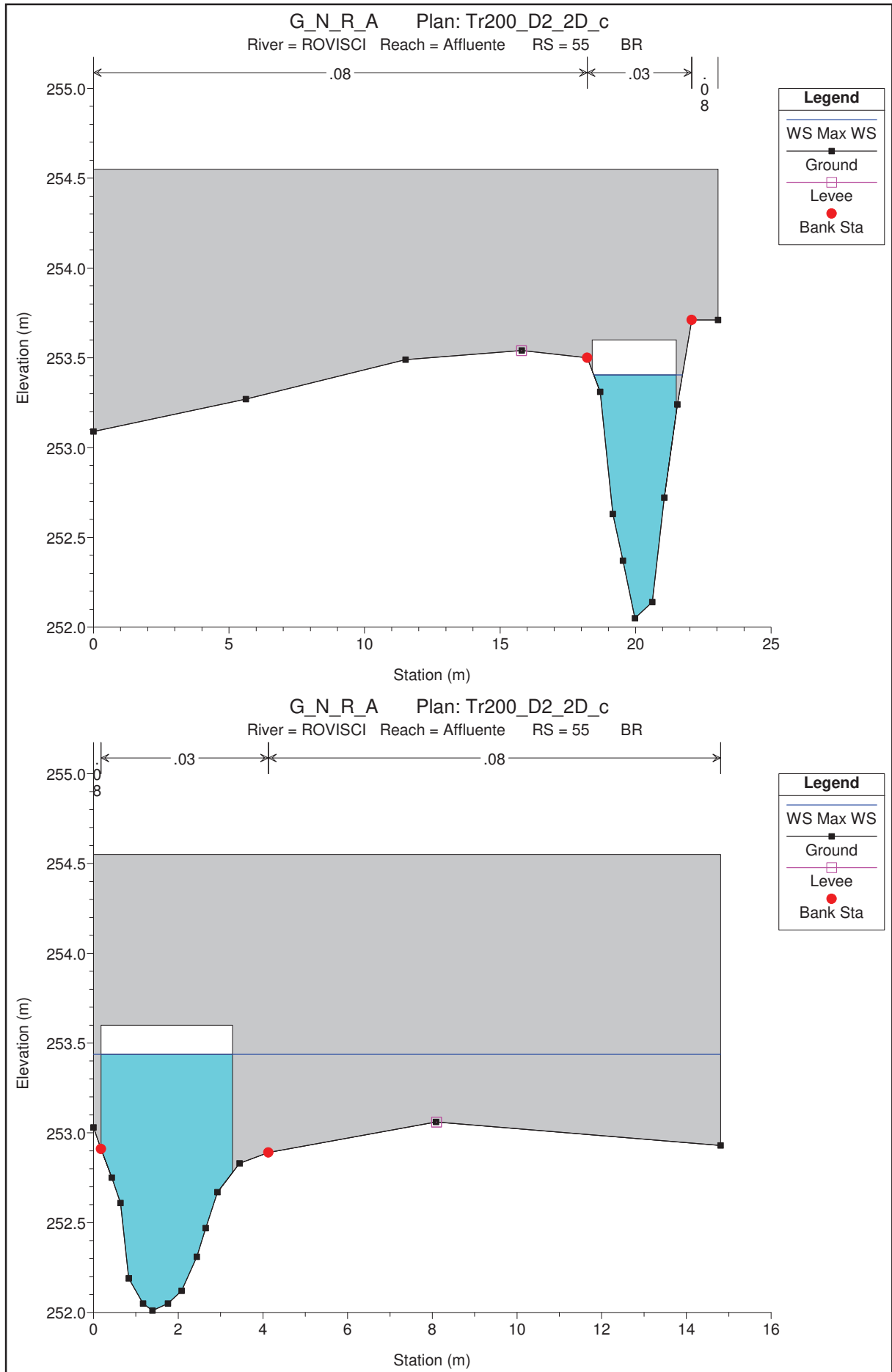


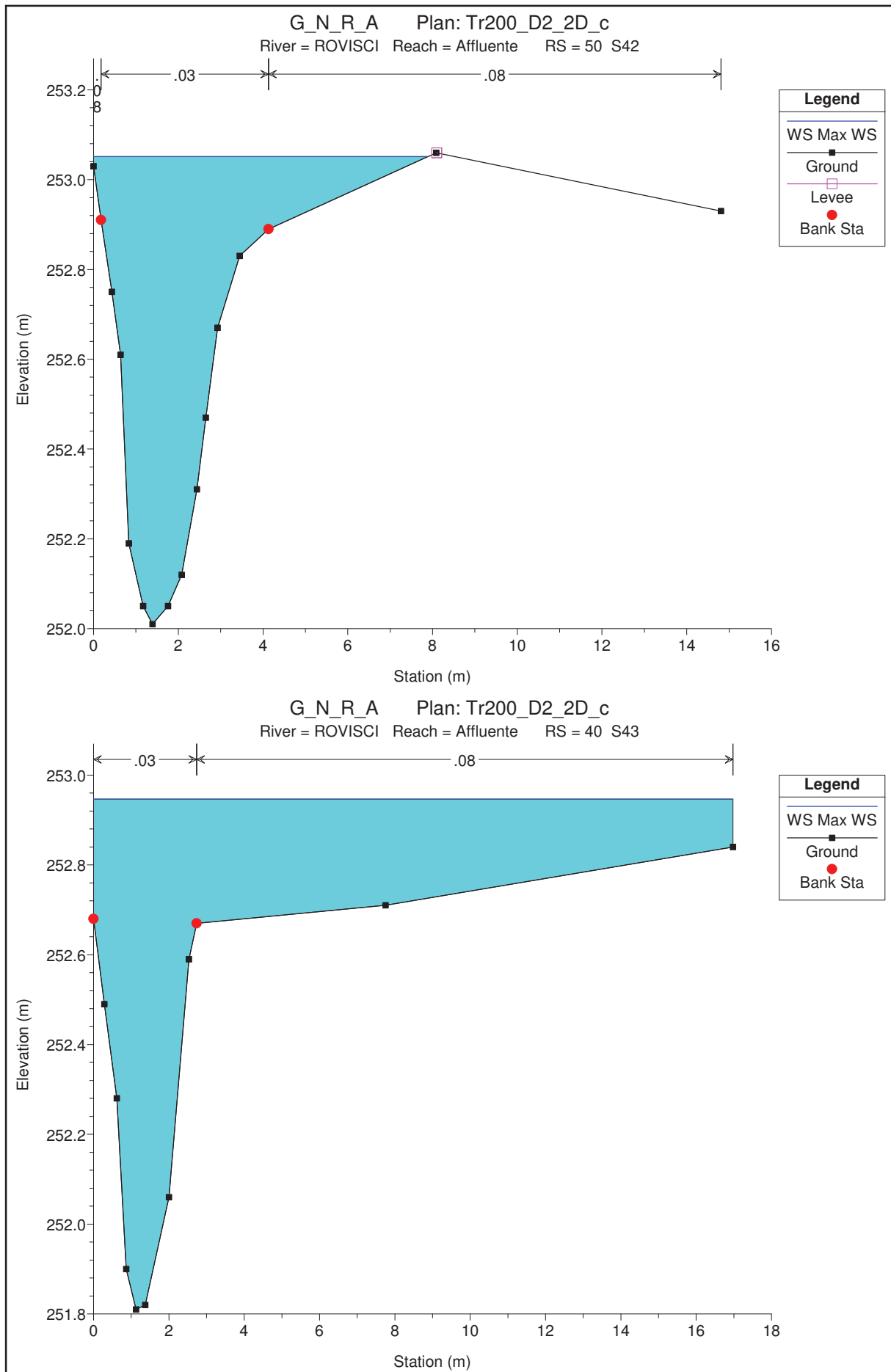


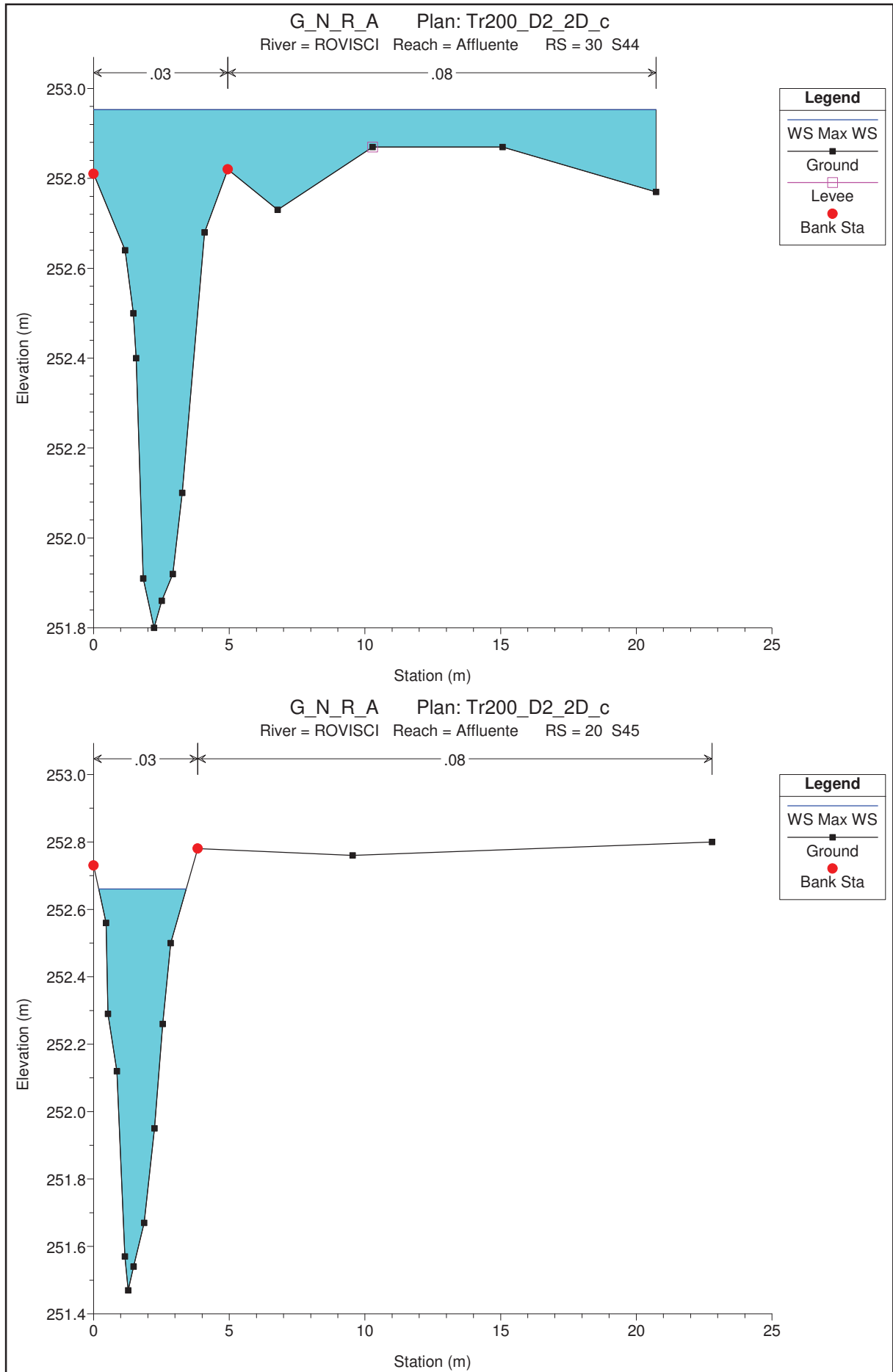


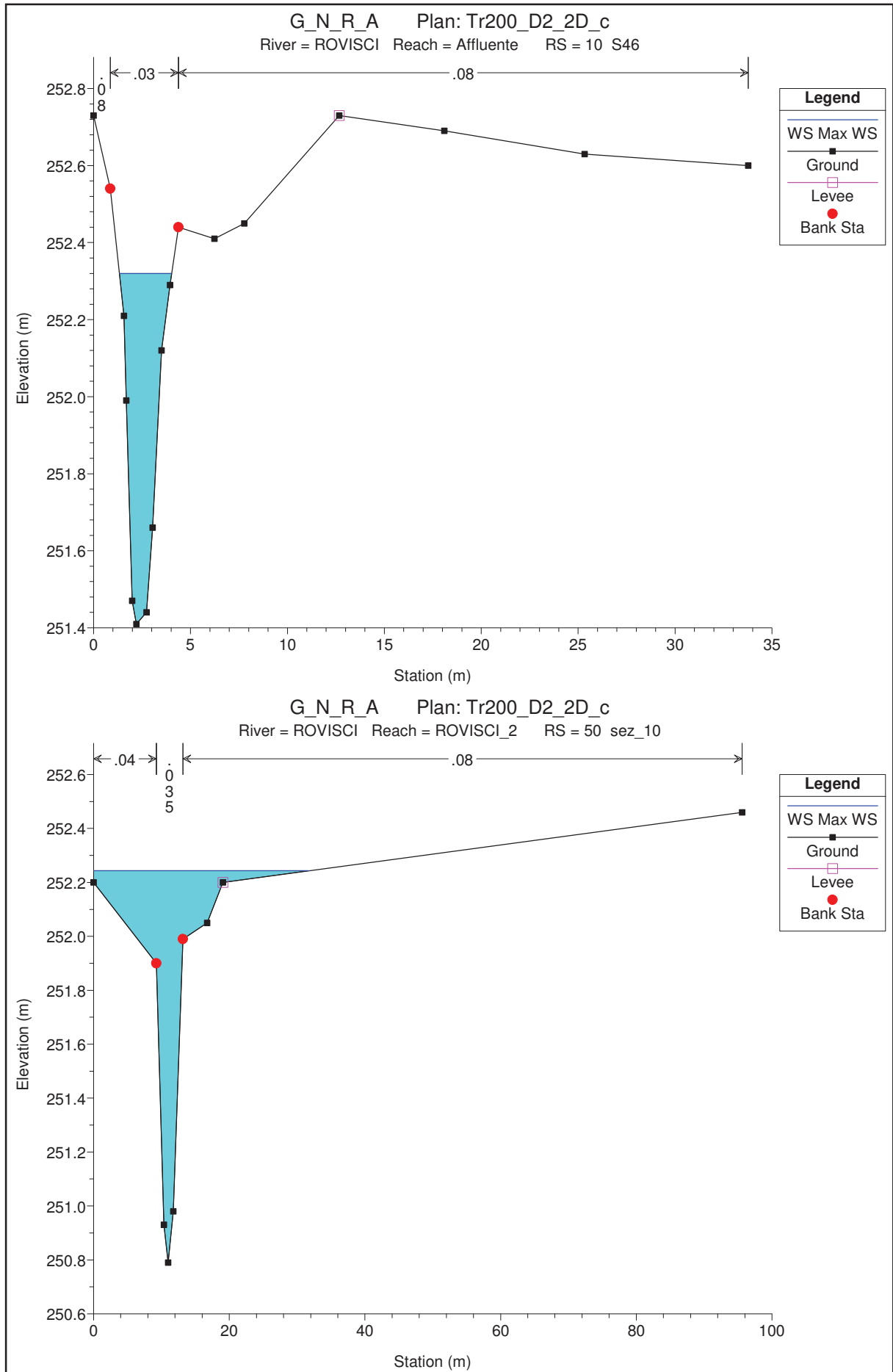


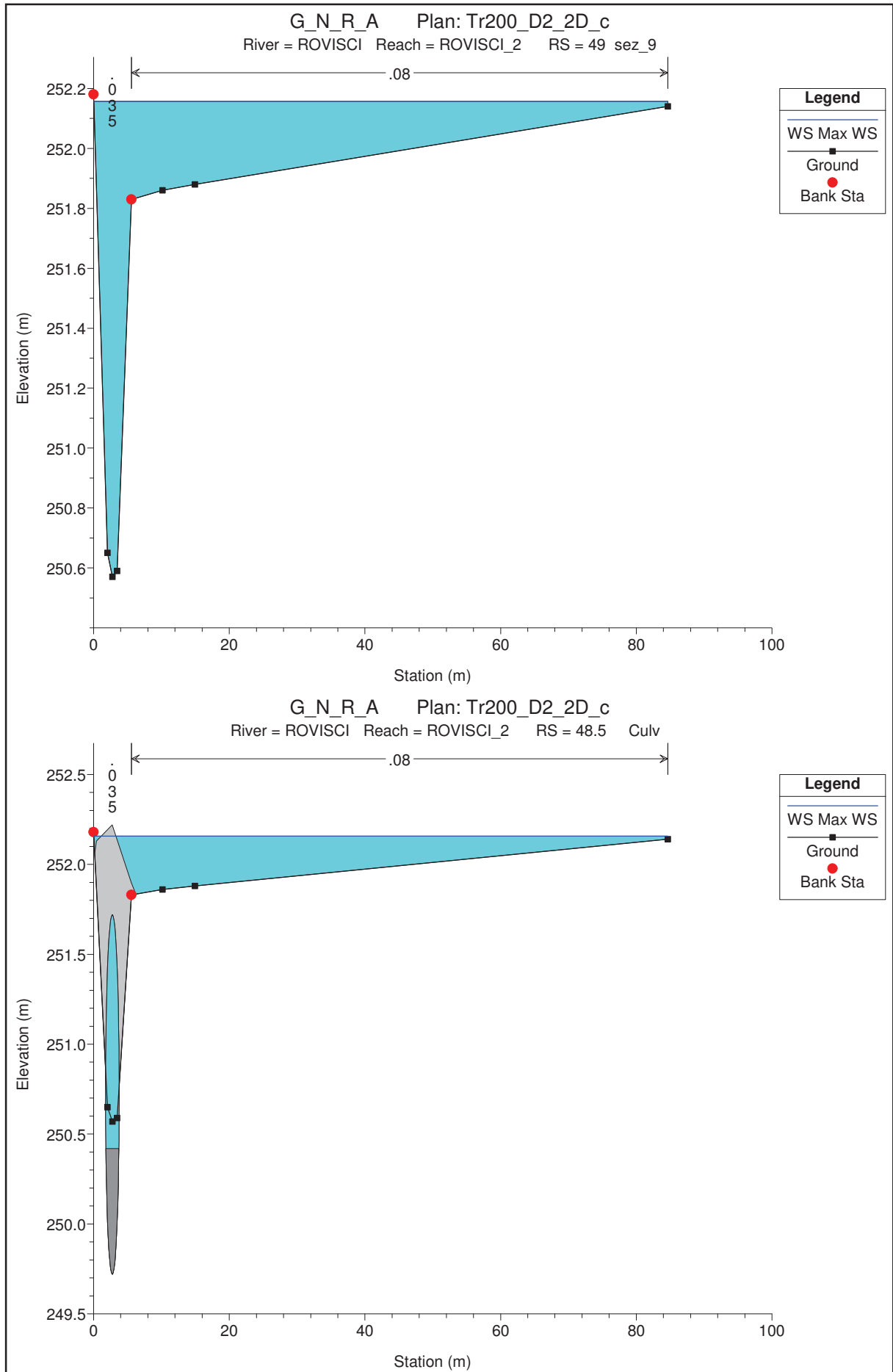


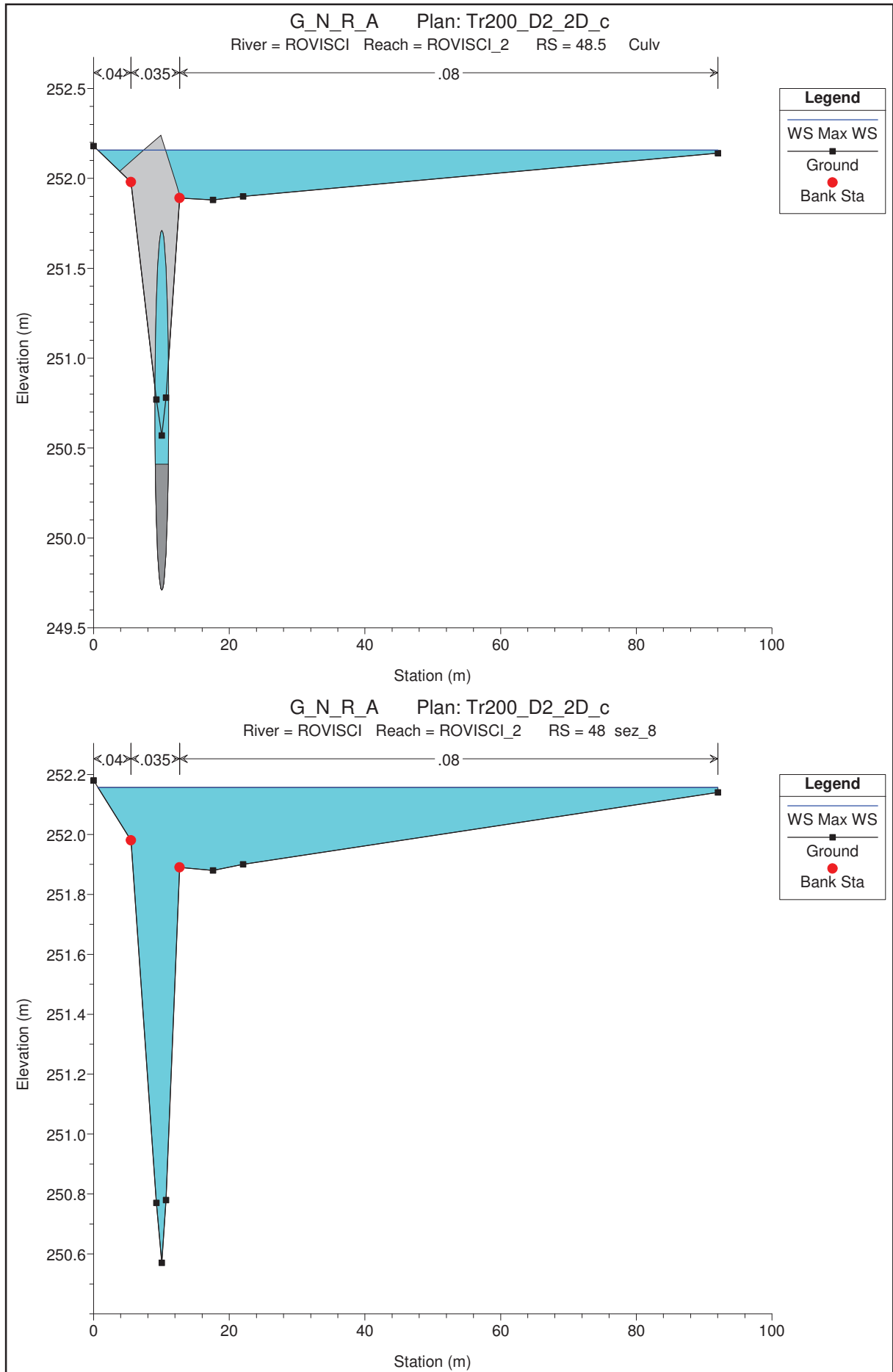


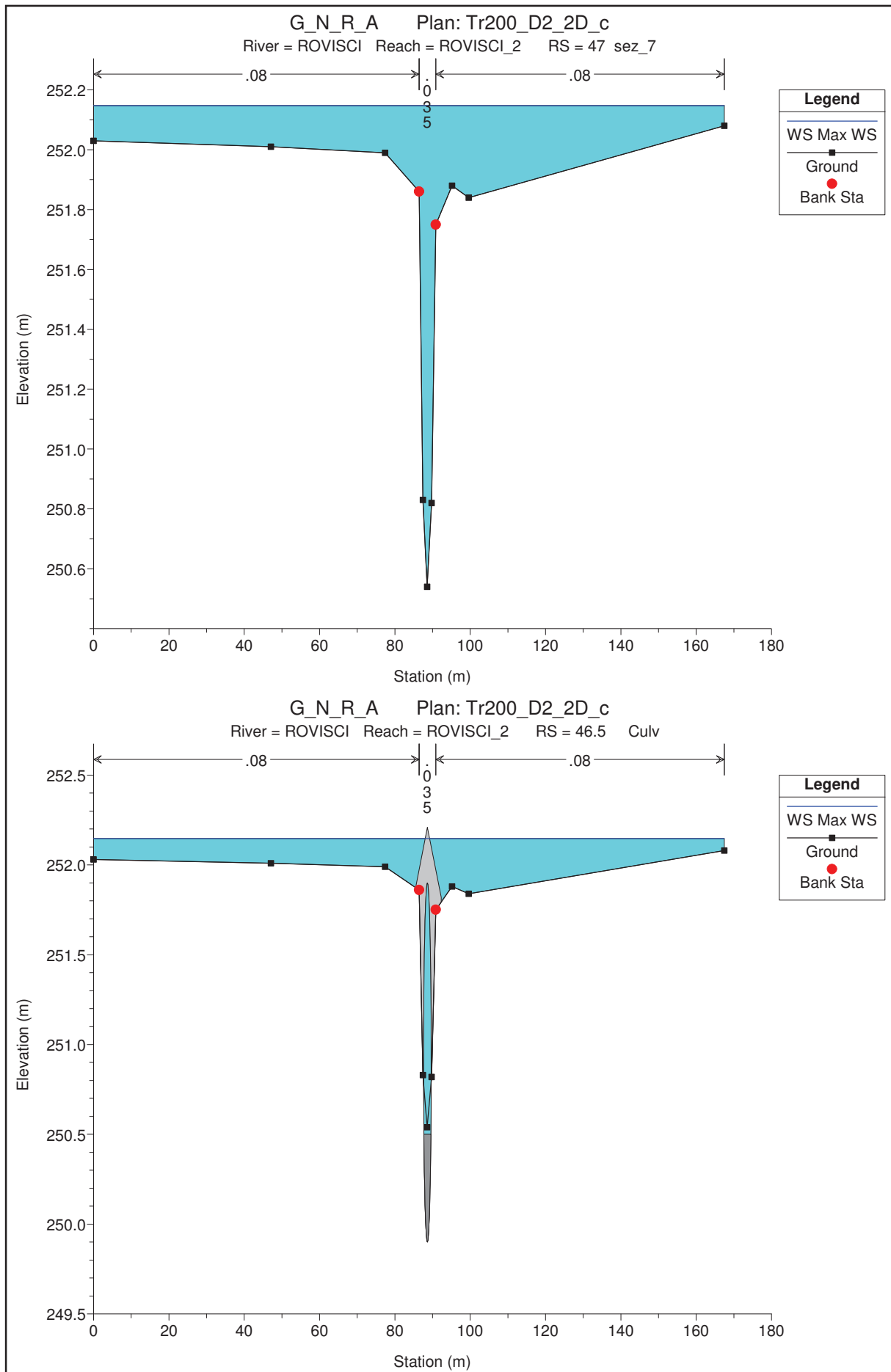


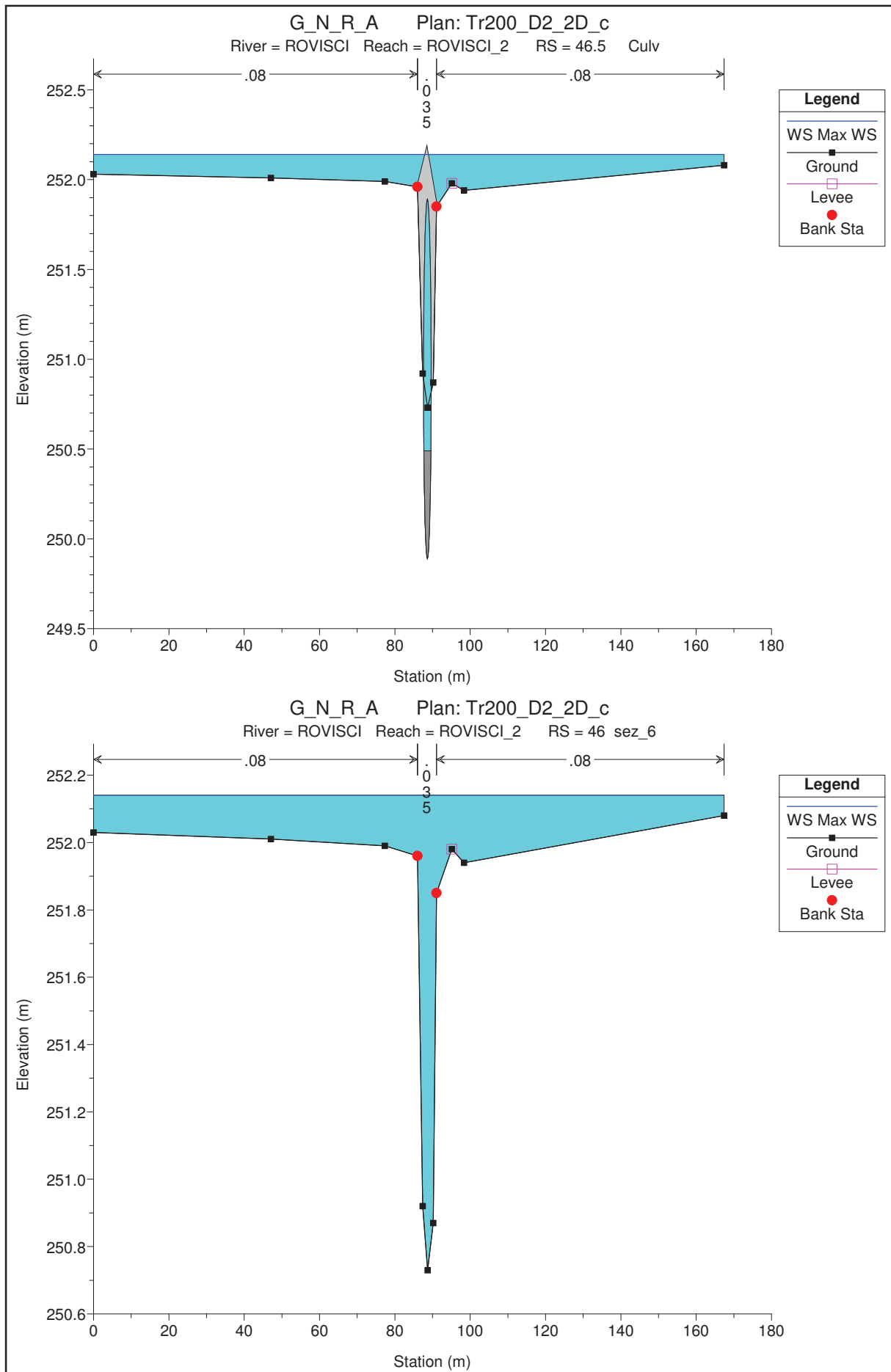


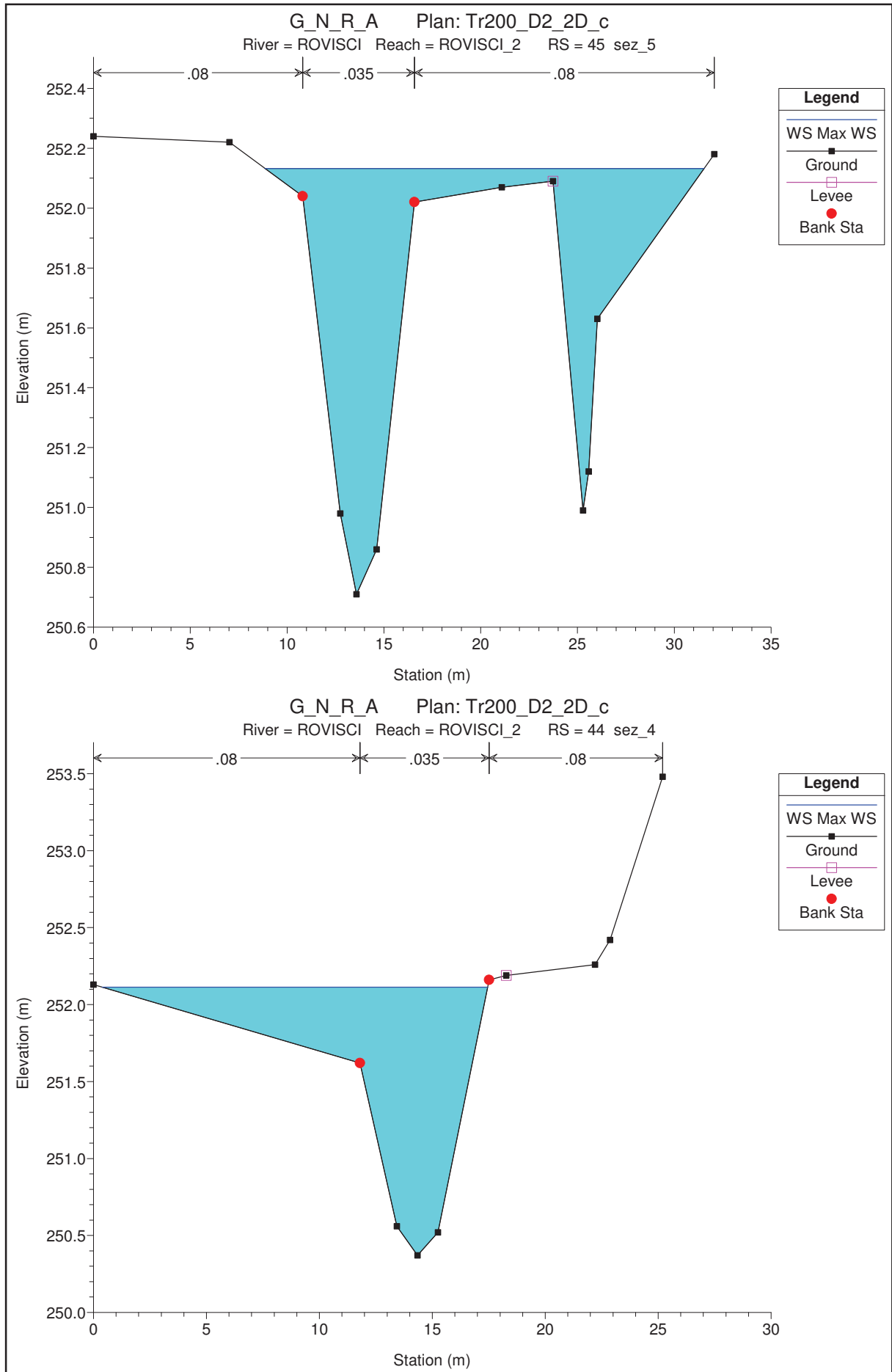


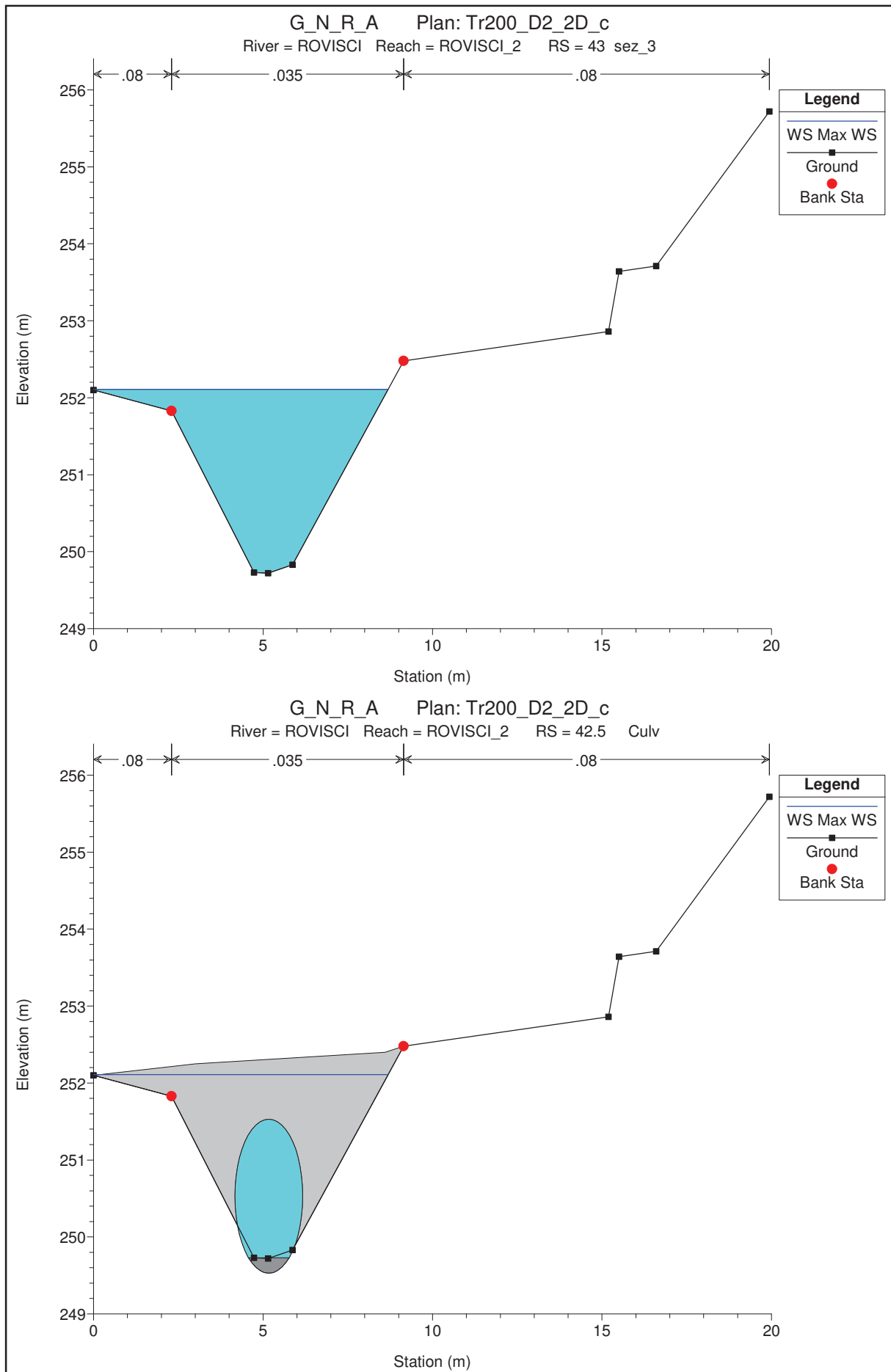


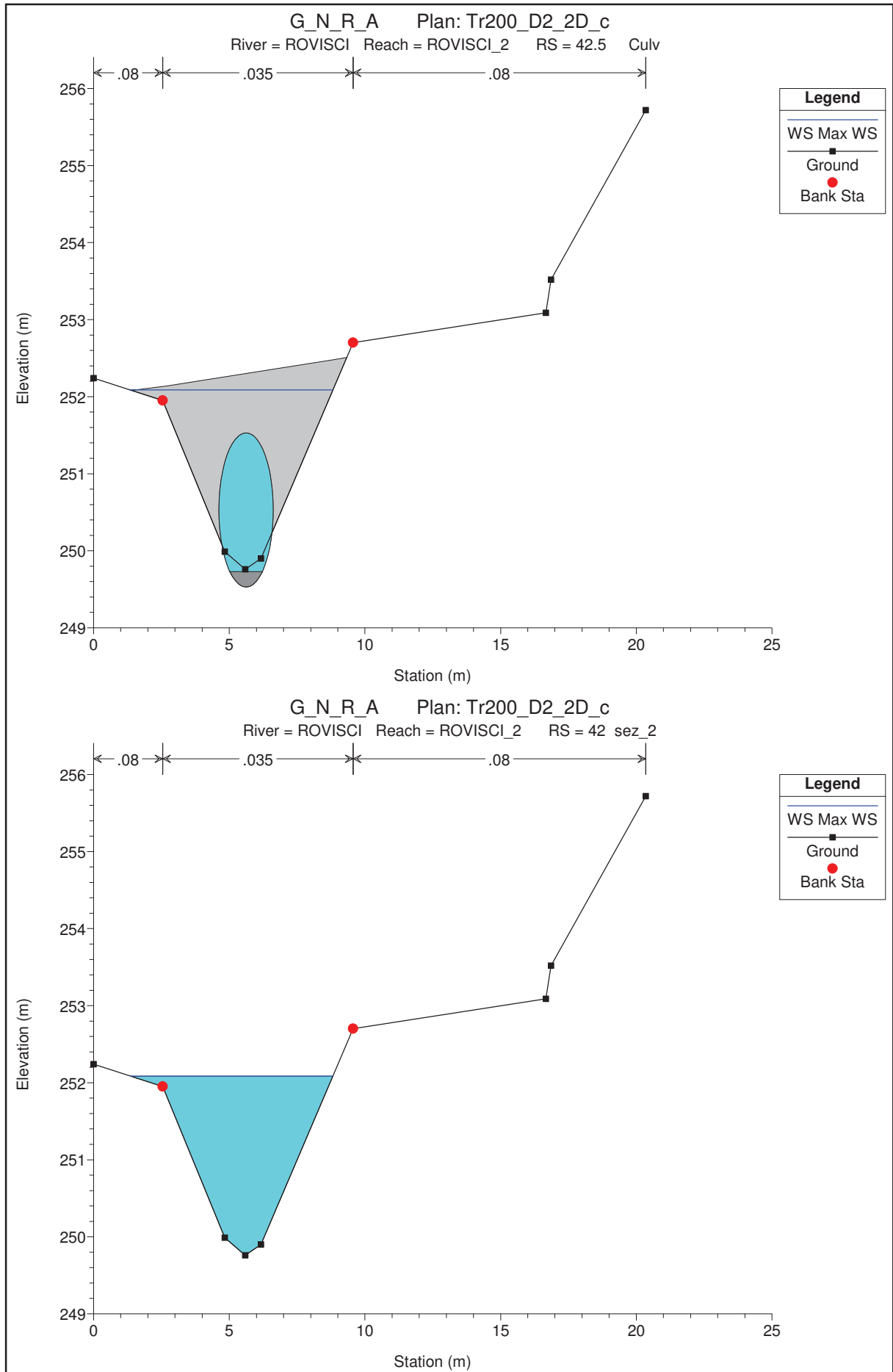


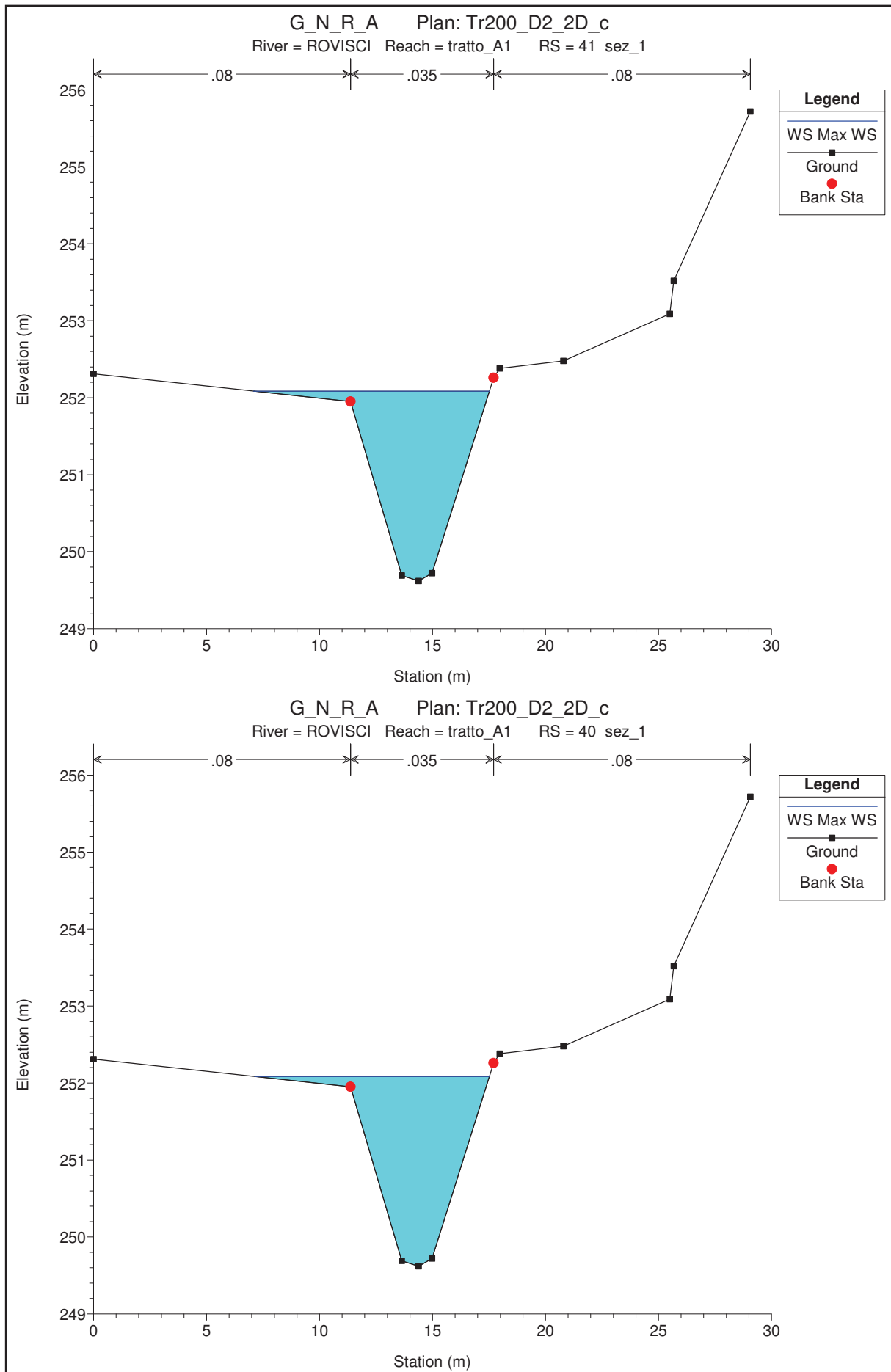


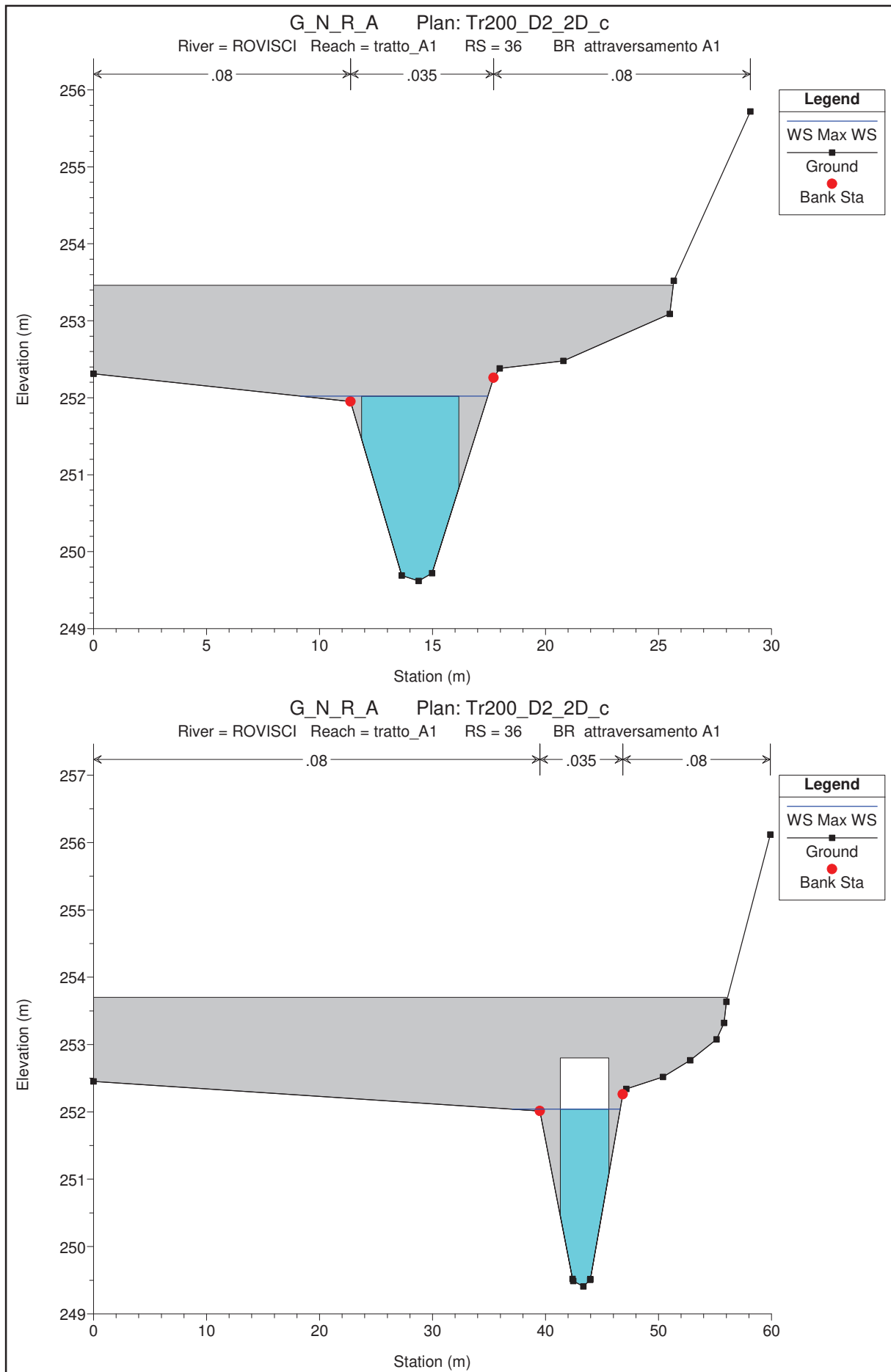


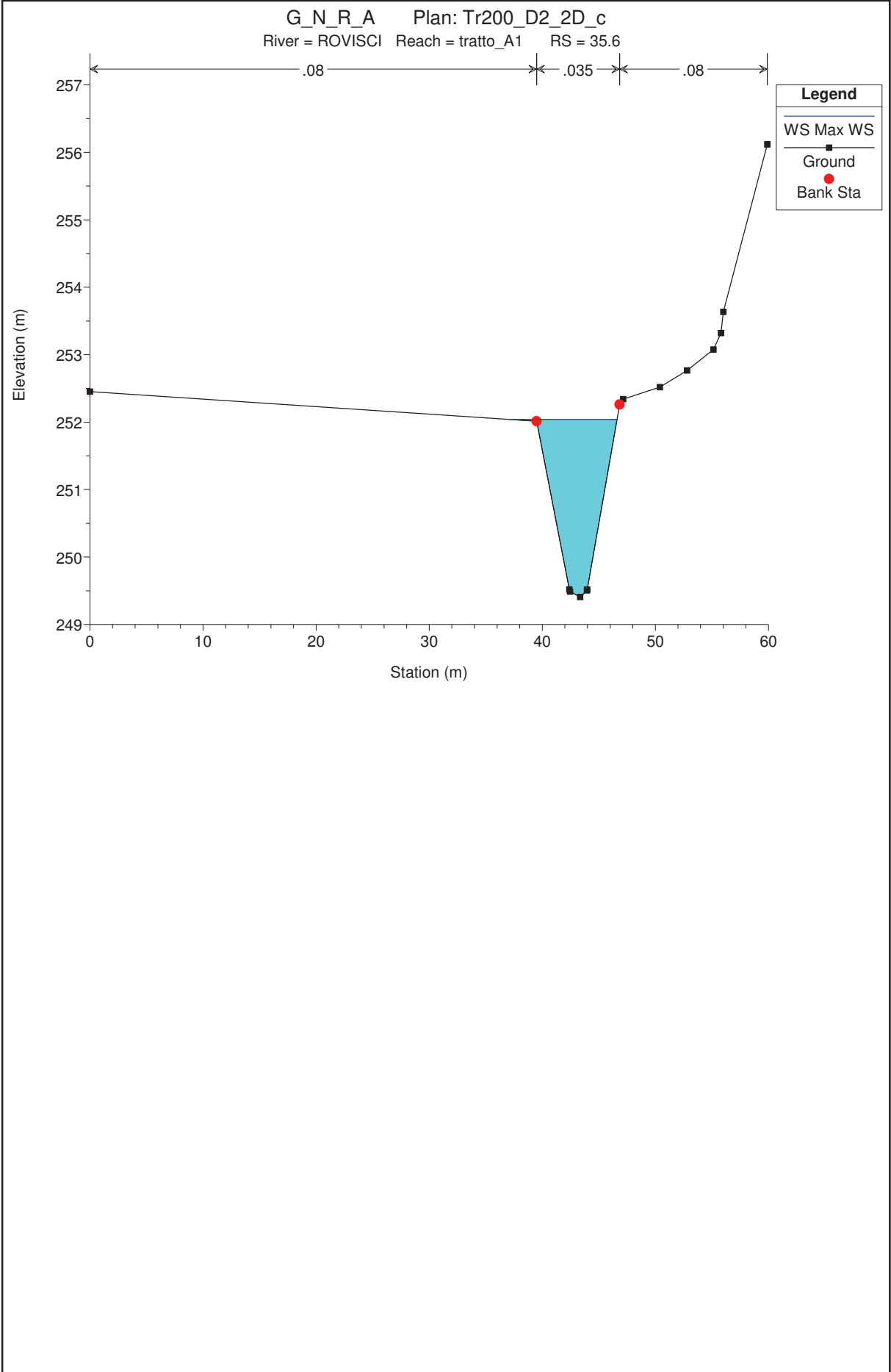














ALLEGATI

MODELLAZIONE HEC-RAS 5.0.3 "Montepulciano stazione"

FOSSO ROVISCI

MODELLAZIONE PER TR=30 anni

DURATE DI PIOGGIA: 2h

Dati idraulici

River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chi
ROVISC	ROVISC	69	Max WS	5.20	260.55	261.92	261.90	262.12	0.013391	2.16	3.62	9.04	0.79
ROVISC	ROVISC	68	Max WS	5.19	258.83	260.18	260.18	260.33	0.007645	1.95	5.75	23.21	0.64
ROVISC	ROVISC	67	Max WS	5.14	256.79	258.74	257.68	258.76	0.000357	0.59	14.84	30.07	0.16
ROVISC	ROVISC	66.5											
ROVISC	ROVISC	66	Max WS	5.14	256.72	257.54	257.52	257.78	0.015916	2.18	2.36	4.62	0.96
ROVISC	ROVISC	65	Max WS	5.13	255.09	256.67		256.73	0.001716	1.06	6.30	17.73	0.34
ROVISC	ROVISC	64.5	Culvert										
ROVISC	ROVISC	64	Max WS	5.13	254.94	256.11		256.32	0.010790	2.05	2.50	3.59	0.78
ROVISC	ROVISC	63	Max WS	5.12	253.90	255.09		255.26	0.008289	1.82	2.82	4.11	0.70
ROVISC	ROVISC	62.4	Lat Struct										
ROVISC	ROVISC	62	Max WS	3.81	252.87	254.44		254.49	0.001506	0.92	4.72	7.59	0.31
ROVISC	ROVISC	61.5	Culvert										
ROVISC	ROVISC	61	Max WS	3.81	252.97	254.07		254.15	0.003638	1.22	3.18	5.58	0.48
ROVISC	ROVISC	60.95	Lat Struct										
ROVISC	ROVISC	60.94	Lat Struct										
ROVISC	ROVISC	60	Max WS	2.62	252.67	254.08		254.10	0.000924	0.89	3.78	4.20	0.23
ROVISC	ROVISC	59.5	Culvert										
ROVISC	ROVISC	59	Max WS	1.08	252.74	254.03		254.03	0.000423	0.41	2.65	3.73	0.15
ROVISC	ROVISC	58.95	Lat Struct										
ROVISC	ROVISC	58.94	Lat Struct										
ROVISC	ROVISC	58	Max WS	2.62	252.52	253.60		253.69	0.005887	1.37	1.92	3.21	0.56
ROVISC	ROVISC	57.5	Culvert										
ROVISC	ROVISC	57	Max WS	2.64	252.49	253.38		253.51	0.008752	1.58	1.67	3.18	0.69
ROVISC	ROVISC	56	Max WS	2.63	252.40	253.30	253.04	253.43	0.008623	1.60	1.64	2.15	0.59
ROVISC	ROVISC	55.5	Bridge										
ROVISC	ROVISC	55	Max WS	2.63	251.95	252.67		252.79	0.008766	1.52	1.73	3.65	0.70
ROVISC	ROVISC	54.95	Lat Struct										
ROVISC	ROVISC	54.94	Lat Struct										
ROVISC	ROVISC	54	Max WS	2.62	251.19	252.47		252.53	0.003329	1.11	2.36	3.33	0.42
ROVISC	ROVISC	53.5	Culvert										
ROVISC	ROVISC	53	Max WS	2.62	251.12	252.45		252.48	0.001679	0.87	3.03	3.81	0.31
ROVISC	ROVISC	52.85	Lat Struct										
ROVISC	ROVISC	52	Max WS	2.61	250.68	252.36		252.37	0.000074	0.25	19.96	55.86	0.07
ROVISC	ROVISC	51.2	Lat Struct										
ROVISC	ROVISC	51	Max WS	2.61	250.72	252.32		252.33	0.000454	0.51	5.32	12.45	0.17
ROVISC	ROVISC	50.95	Lat Struct										
ROVISC	Affluente	80	Max WS	4.70	254.00	255.34	255.25	255.57	0.009542	2.11	2.42	6.94	0.80
ROVISC	Affluente	79	Lat Struct										
ROVISC	Affluente	70	Max WS	4.50	253.62	254.67	254.64	254.90	0.010017	2.12	2.35	7.51	0.88
ROVISC	Affluente	60	Max WS	4.49	252.05	253.41	253.12	253.56	0.005507	1.73	2.60	3.30	0.62
ROVISC	Affluente	55	Bridge										
ROVISC	Affluente	50	Max WS	4.49	252.01	253.05	252.98	253.23	0.007910	1.90	2.63	7.80	0.79
ROVISC	Affluente	49	Lat Struct										
ROVISC	Affluente	48	Lat Struct										
ROVISC	Affluente	40	Max WS	2.97	251.81	252.92		252.99	0.002778	1.20	4.58	16.98	0.44
ROVISC	Affluente	30	Max WS	2.85	251.80	252.93		252.97	0.002410	0.99	4.28	20.73	0.43
ROVISC	Affluente	20	Max WS	2.19	251.47	252.60		252.69	0.004972	1.33	1.64	2.86	0.56
ROVISC	Affluente	10	Max WS	2.18	251.41	252.30		252.44	0.008488	1.65	1.32	2.61	0.74
ROVISC	ROVISC_2	50.45	Lat Struct										
ROVISC	ROVISC_2	50	Max WS	4.09	250.79	252.22		252.26	0.001368	0.93	6.44	25.62	0.30
ROVISC	ROVISC_2	49.95	Lat Struct										
ROVISC	ROVISC_2	49.54	Lat Struct										
ROVISC	ROVISC_2	49.35	Lat Struct										
ROVISC	ROVISC_2	49	Max WS	4.00	250.57	252.12		252.14	0.000492	0.58	15.92	79.91	0.18
ROVISC	ROVISC_2	48.5	Culvert										
ROVISC	ROVISC_2	48	Max WS	4.00	250.57	252.12		252.13	0.000423	0.52	16.15	85.39	0.18
ROVISC	ROVISC_2	47.95	Lat Struct										
ROVISC	ROVISC_2	47.94	Lat Struct										
ROVISC	ROVISC_2	47	Max WS	3.23	250.54	252.11		252.11	0.000245	0.43	26.11	167.44	0.13
ROVISC	ROVISC_2	46.5	Culvert										
ROVISC	ROVISC_2	46	Max WS	3.21	250.73	252.10		252.11	0.000349	0.49	19.90	167.42	0.15
ROVISC	ROVISC_2	45.95	Lat Struct										
ROVISC	ROVISC_2	45.94	Lat Struct										
ROVISC	ROVISC_2	45	Max WS	2.69	250.71	252.06		252.08	0.000629	0.58	4.75	10.21	0.21
ROVISC	ROVISC_2	44.8	Lat Struct										
ROVISC	ROVISC_2	44	Max WS	2.84	250.37	252.01		252.03	0.000286	0.46	7.69	14.65	0.14
ROVISC	ROVISC_2	43	Max WS	2.00	249.72	252.00		252.00	0.000062	0.24	8.58	7.72	0.06
ROVISC	ROVISC_2	42.5	Culvert										
ROVISC	ROVISC_2	42	Max WS	1.98	249.76	251.97		251.98	0.000079	0.26	7.74	6.34	0.07
ROVISC	tratto_A1	41	Max WS	9.89	249.62	251.97		252.04	0.001529	1.17	8.45	6.78	0.32
ROVISC	tratto_A1	40	Max WS	9.89	249.62	251.97	250.97	252.04	0.001535	1.17	8.44	6.74	0.32
ROVISC	tratto_A1	36	Bridge										
ROVISC	tratto_A1	35.6	Max WS	9.88	249.41	251.92		251.97	0.000917	0.96	10.27	6.88	0.25
NOTTOLA	valle	28.5714	Max WS	15.43	249.24	251.86		251.95	0.001302	1.28	12.83	9.54	0.32
NOTTOLA	valle	28	Max WS	15.43	249.11	251.83	250.62	251.90	0.001251	1.20	12.84	7.94	0.30
NOTTOLA	valle	27.5	Bridge										
NOTTOLA	valle	27	Max WS	15.43	249.01	251.79		251.86	0.001240	1.19	12.98	8.15	0.30
NOTTOLA	valle	26	Max WS	15.43	248.76	251.72		251.78	0.001072	1.13	13.64	8.21	0.28
NOTTOLA	valle	25	Max WS	15.43	248.50	251.60		251.66	0.000852	1.04	14.77	8.29	0.25
NOTTOLA	valle	24	Max WS	15.43	248.48	251.47	250.14	251.55	0.001104	1.27	13.31	7.95	0.29



ALLEGATI

MODELLAZIONE HEC-RAS 5.0.3 "Montepulciano stazione"

FOSSO ROVISCI

MODELLAZIONE PER TR=200 anni

DURATE DI PIOGGIA: 2h

Dati idraulici

HEC-RAS Plan: Tr200_D2_2D_c Profile: Max WS

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
ROVISC1	69	Max WS	8.20	260.55	262.09	262.08	262.33	0.014755	2.50	5.31	10.92	0.85
ROVISC1	68	Max WS	7.84	258.83	260.76		260.77	0.000808	0.87	24.63	43.45	0.23
ROVISC1	67	Max WS	7.83	256.79	259.15	257.88	259.16	0.000212	0.54	34.42	69.13	0.13
ROVISC1	66.5	Bridge										
ROVISC1	66	Max WS	7.65	256.72	257.70	257.69	258.00	0.014789	2.45	3.28	6.77	0.96
ROVISC1	65	Max WS	7.08	255.09	256.73		256.82	0.002565	1.34	7.52	23.00	0.41
ROVISC1	64.5	Culvert										
ROVISC1	64	Max WS	7.83	254.94	256.34		256.61	0.011056	2.30	3.41	4.15	0.81
ROVISC1	63	Max WS	7.83	253.90	255.33		255.54	0.008274	2.02	3.87	5.40	0.72
ROVISC1	62.4	Lat Struct										
ROVISC1	62	Max WS	5.30	252.87	254.57		254.63	0.001872	1.09	5.72	7.77	0.35
ROVISC1	61.5	Culvert										
ROVISC1	61	Max WS	5.30	252.97	254.11		254.24	0.005942	1.60	3.39	5.65	0.62
ROVISC1	60.95	Lat Struct										
ROVISC1	60.94	Lat Struct										
ROVISC1	60	Max WS	2.85	252.67	254.18		254.20	0.000814	0.68	4.19	4.23	0.22
ROVISC1	59.5	Culvert										
ROVISC1	59	Max WS	0.49	252.74	254.04		254.04	0.000083	0.18	2.71	3.75	0.07
ROVISC1	58.95	Lat Struct										
ROVISC1	58.94	Lat Struct										
ROVISC1	58	Max WS	-0.18	252.52	254.07		254.08	0.000004	-0.05	3.73	4.09	0.02
ROVISC1	57.5	Culvert										
ROVISC1	57	Max WS	-0.20	252.49	254.05		254.05	0.000004	-0.05	4.43	5.06	0.02
ROVISC1	56	Max WS	2.91	252.40	253.36	253.08	253.50	0.008549	1.64	1.78	2.19	0.58
ROVISC1	55.5	Bridge										
ROVISC1	55	Max WS	2.85	251.95	252.71		252.82	0.008406	1.53	1.87	3.77	0.69
ROVISC1	54.95	Lat Struct										
ROVISC1	54.94	Lat Struct										
ROVISC1	54	Max WS	2.81	251.19	252.51		252.58	0.003220	1.12	2.50	3.49	0.42
ROVISC1	53.5	Culvert										
ROVISC1	53	Max WS	2.81	251.12	252.47		252.51	0.001760	0.90	3.13	3.87	0.32
ROVISC1	52.85	Lat Struct										
ROVISC1	52	Max WS	2.42	250.68	252.39		252.39	0.000054	0.22	21.43	58.06	0.06
ROVISC1	51.2	Lat Struct										
ROVISC1	51	Max WS	3.08	250.72	252.33		252.35	0.000596	0.59	5.52	12.49	0.20
ROVISC1	50.95	Lat Struct										
Affluente	80	Max WS	7.40	254.00	255.55	255.51	255.83	0.008980	2.43	3.87	7.22	0.82
Affluente	79	Lat Struct										
Affluente	70	Max WS	5.46	253.62	254.74	254.74	254.99	0.010141	2.28	2.83	7.64	0.90
Affluente	60	Max WS	6.08	252.05	253.71	253.29	253.77	0.001962	1.19	10.01	23.04	0.39
Affluente	55	Bridge										
Affluente	50	Max WS	5.13	252.01	253.05	253.08	253.28	0.010059	2.15	2.66	7.89	0.89
Affluente	49	Lat Struct										
Affluente	48	Lat Struct										
Affluente	40	Max WS	3.67	251.81	252.95		253.03	0.003680	1.40	4.96	16.98	0.51
Affluente	30	Max WS	3.54	251.80	252.95		253.01	0.003050	1.14	4.81	20.73	0.48
Affluente	20	Max WS	2.49	251.47	252.66		252.76	0.005177	1.37	1.82	3.23	0.58
Affluente	10	Max WS	2.49	251.41	252.32		252.49	0.010257	1.82	1.37	2.69	0.82
ROVISC1_2	50.45	Lat Struct										
ROVISC1_2	50	Max WS	4.28	250.79	252.24		252.28	0.001336	0.93	7.03	31.72	0.30
ROVISC1_2	49.95	Lat Struct										
ROVISC1_2	49.54	Lat Struct										
ROVISC1_2	49.35	Lat Struct										
ROVISC1_2	49	Max WS	3.75	250.57	252.16		252.17	0.000346	0.49	18.77	84.62	0.16
ROVISC1_2	48.5	Culvert										
ROVISC1_2	48	Max WS	3.75	250.57	252.16		252.16	0.000293	0.44	19.21	91.40	0.15
ROVISC1_2	47.95	Lat Struct										
ROVISC1_2	47.94	Lat Struct										
ROVISC1_2	47	Max WS	2.83	250.54	252.15		252.15	0.000123	0.31	33.05	167.44	0.09
ROVISC1_2	46.5	Culvert										
ROVISC1_2	46	Max WS	2.82	250.73	252.14		252.14	0.000171	0.35	27.25	167.42	0.11
ROVISC1_2	45.95	Lat Struct										
ROVISC1_2	45.94	Lat Struct										
ROVISC1_2	45	Max WS	1.90	250.71	252.13		252.14	0.000187	0.33	8.64	22.69	0.11
ROVISC1_2	44.8	Lat Struct										
ROVISC1_2	44	Max WS	2.07	250.37	252.11		252.12	0.000111	0.30	9.26	17.07	0.09
ROVISC1_2	43	Max WS	1.87	249.72	252.11		252.11	0.000043	0.20	9.46	8.69	0.05
ROVISC1_2	42.5	Culvert										
ROVISC1_2	42	Max WS	1.42	249.76	252.09		252.09	0.000031	0.17	8.51	7.46	0.05
tratto_A1	41	Max WS	10.01	249.62	252.09		252.15	0.001240	1.10	9.41	10.43	0.29
tratto_A1	40	Max WS	10.01	249.62	252.08	250.98	252.15	0.001244	1.10	9.39	10.38	0.29
tratto_A1	36	Bridge										
tratto_A1	35.6	Max WS	9.97	249.41	252.04		252.08	0.000757	0.90	11.12	9.57	0.23



ALLEGATI

MODELLAZIONE HEC-RAS 5.0.3 "Montepulciano stazione valle"

DOCCIA DI GRACCIANO

MODELLAZIONE PER TR=30 e 200 ANNI

DURATA DI PIOGGIA: 4h

Profilo longitudinale

Sezioni Trasversali

Dati idraulici



ALLEGATI

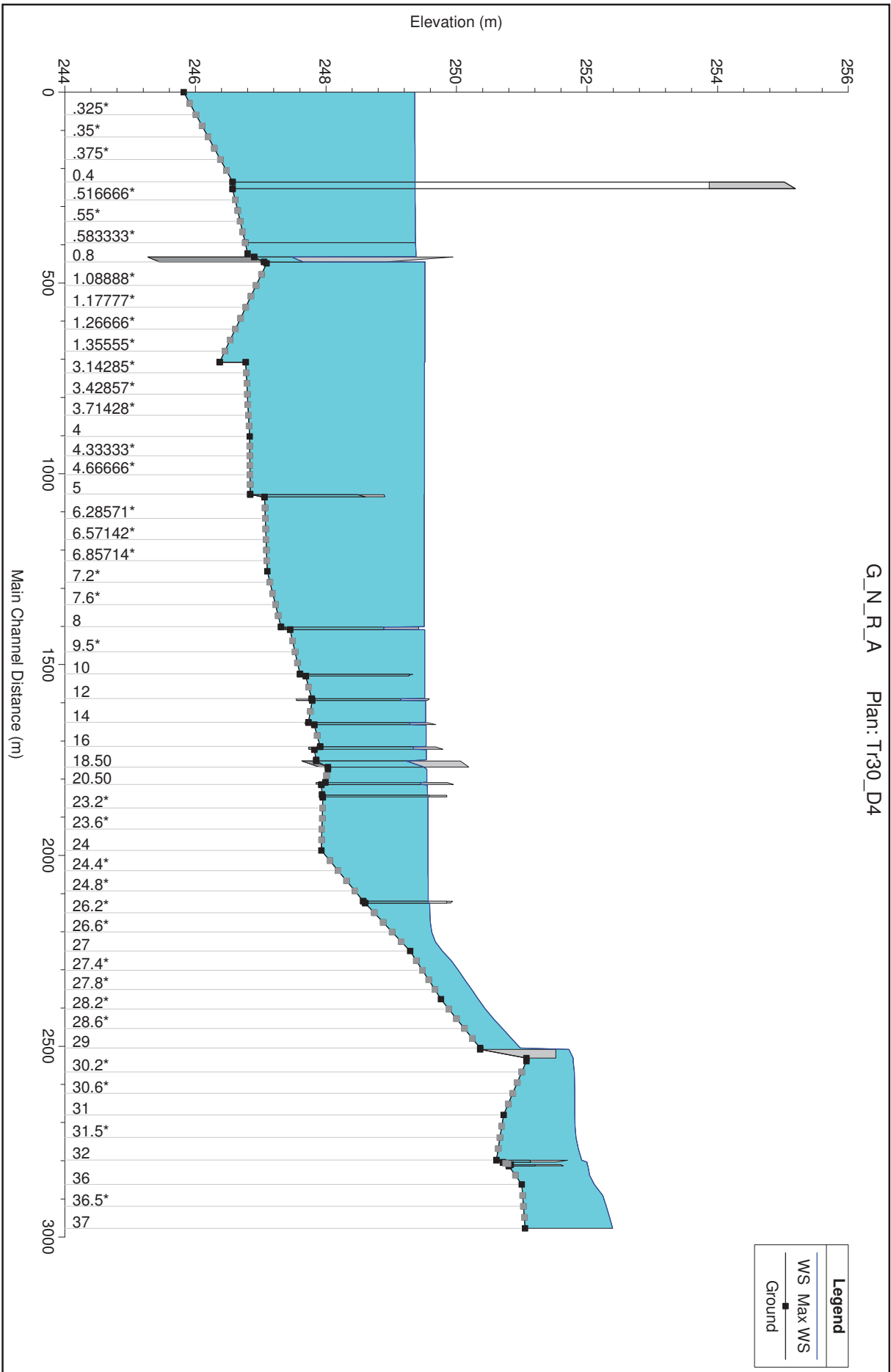
MODELLAZIONE HEC-RAS 5.0.3 "Montepulciano stazione valle"

DOCCIA DI GRACCIANO

MODELLAZIONE PER TR=30 anni

DURATE DI PIOGGIA: 4h

Profilo longitudinale





ALLEGATI

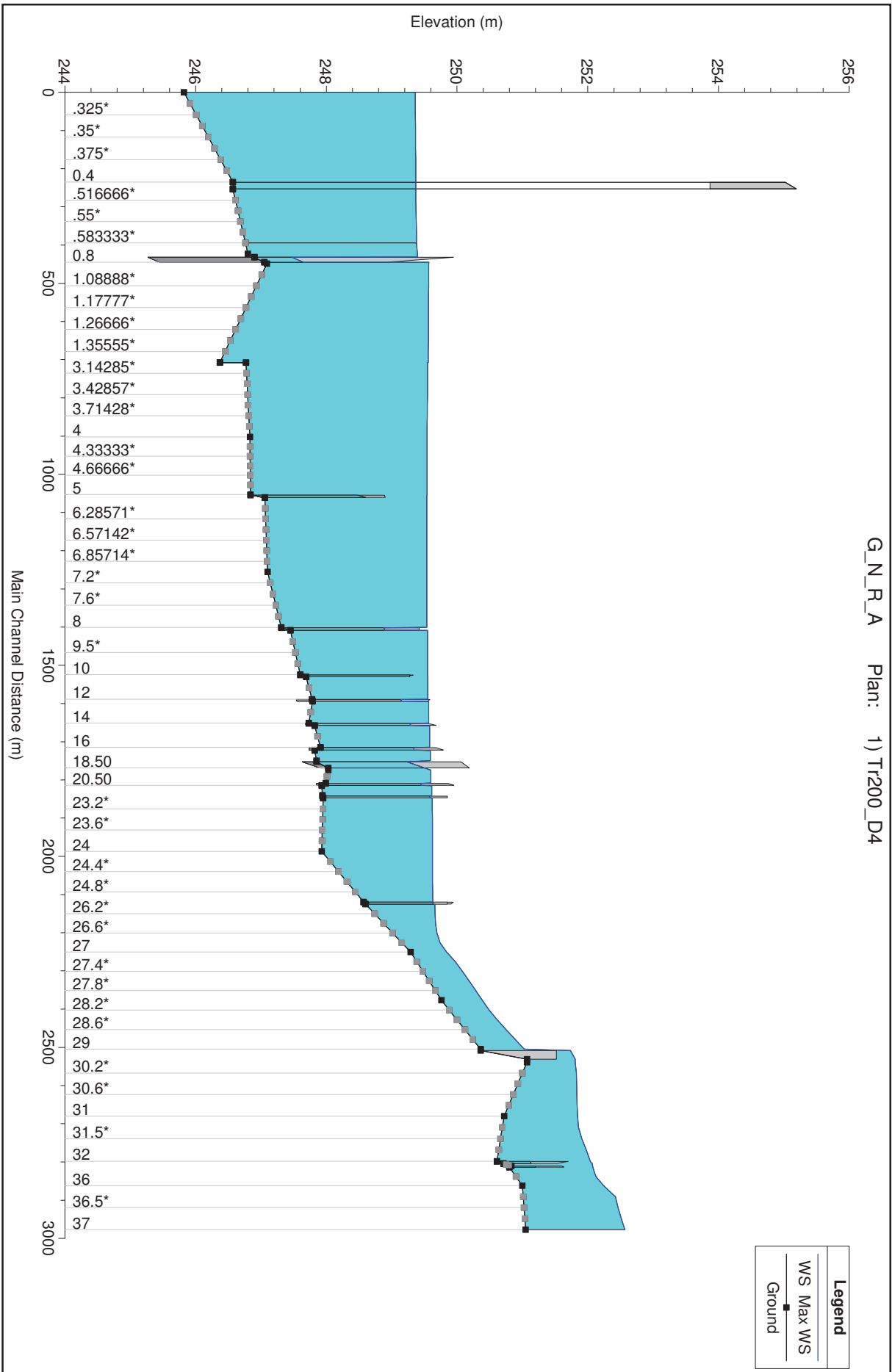
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DOCCIA DI GRACCIANO

MODELLAZIONE PER TR=200 anni

DURATE DI PIOGGIA: 4h

Profilo longitudinale





ALLEGATI

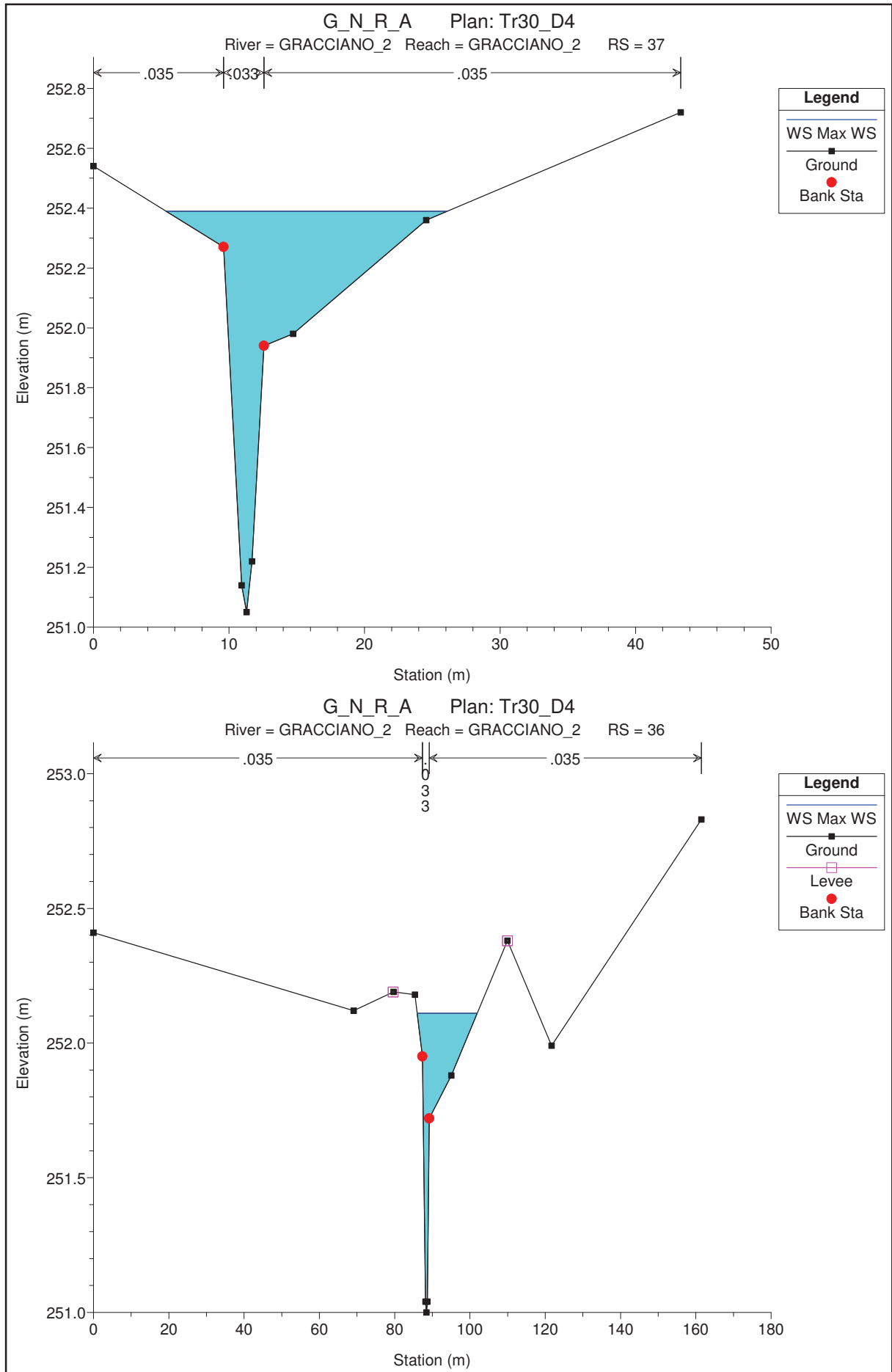
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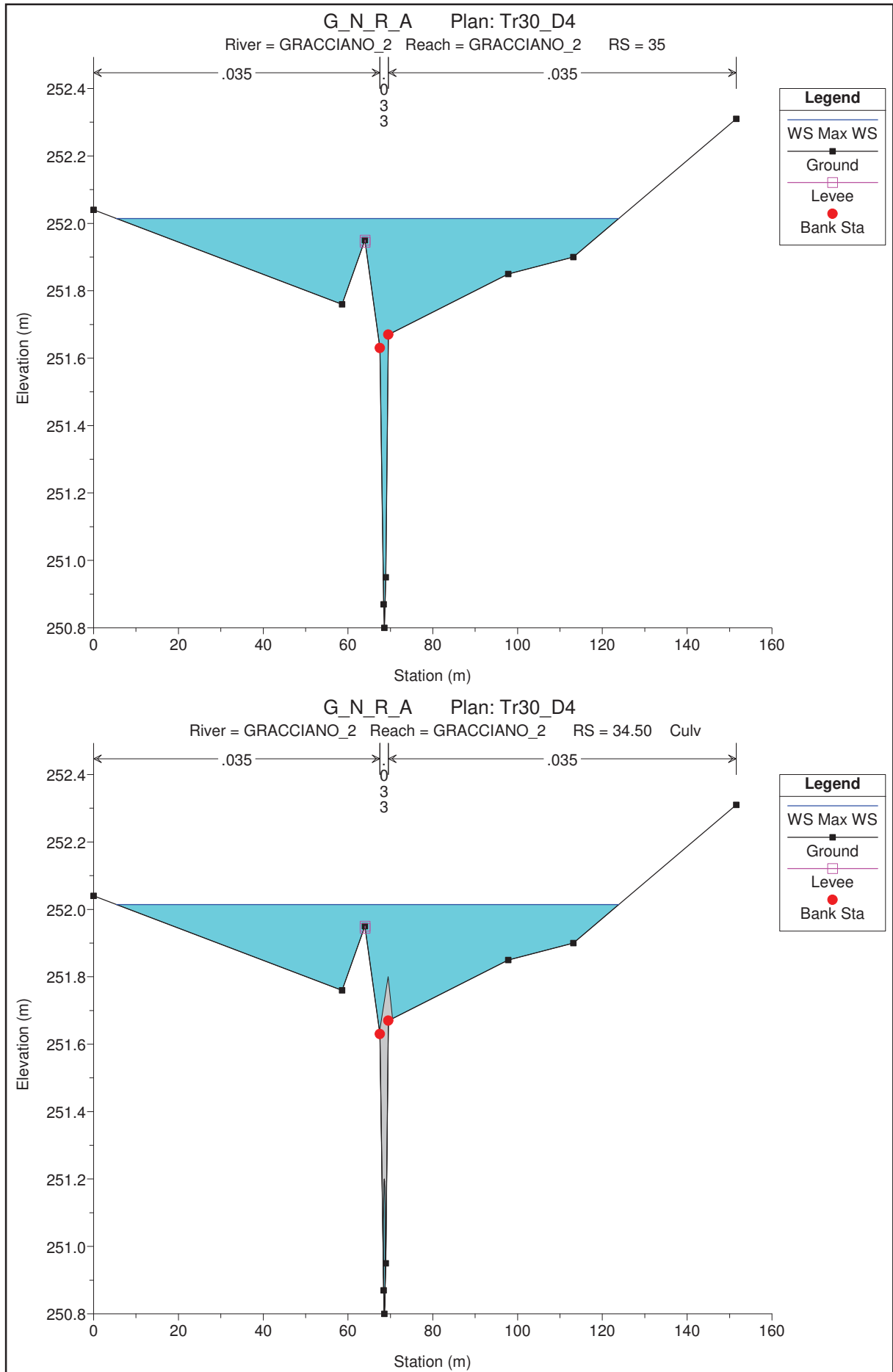
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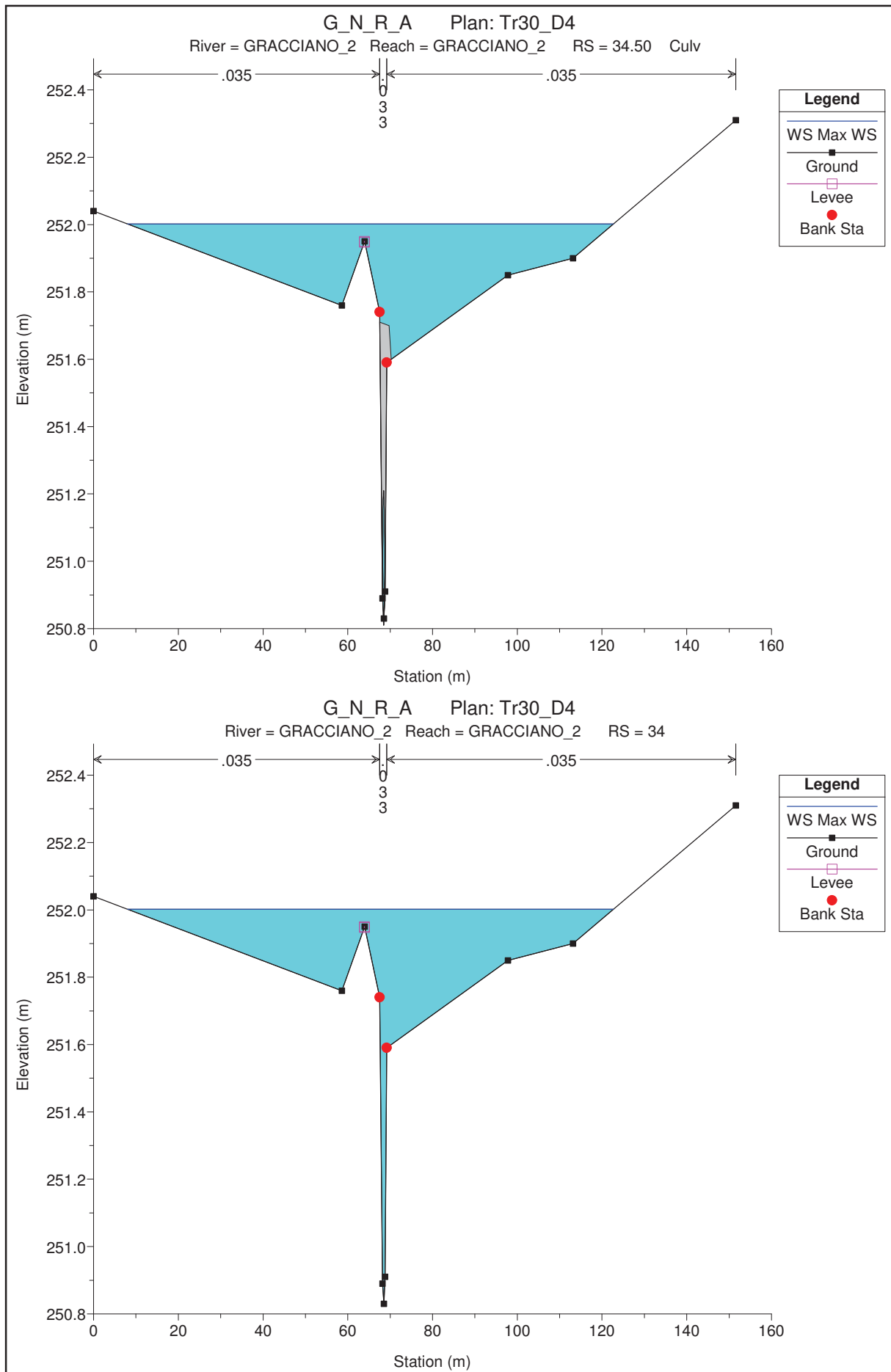
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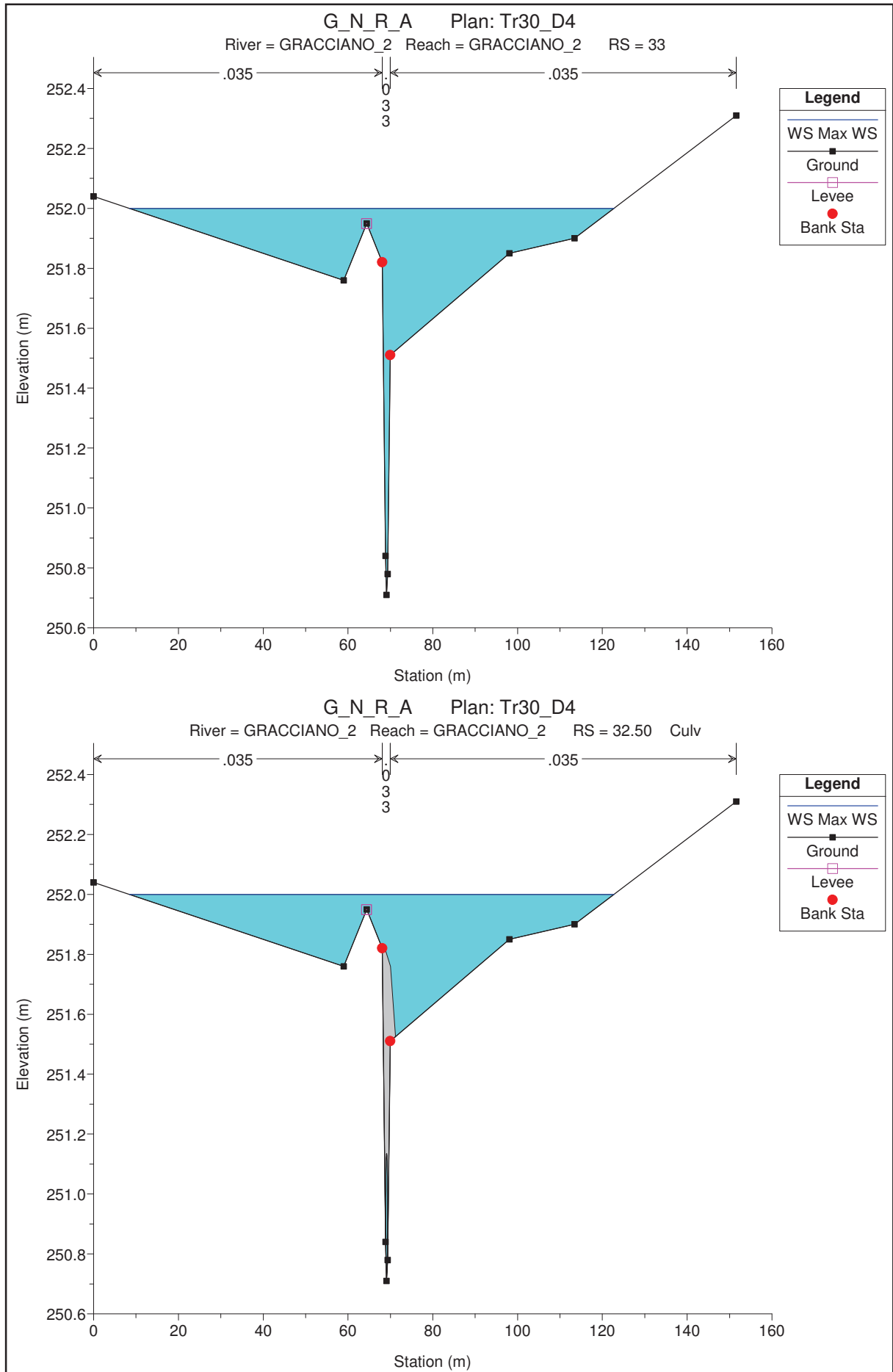
DURATE DI PIOGGIA: 4h

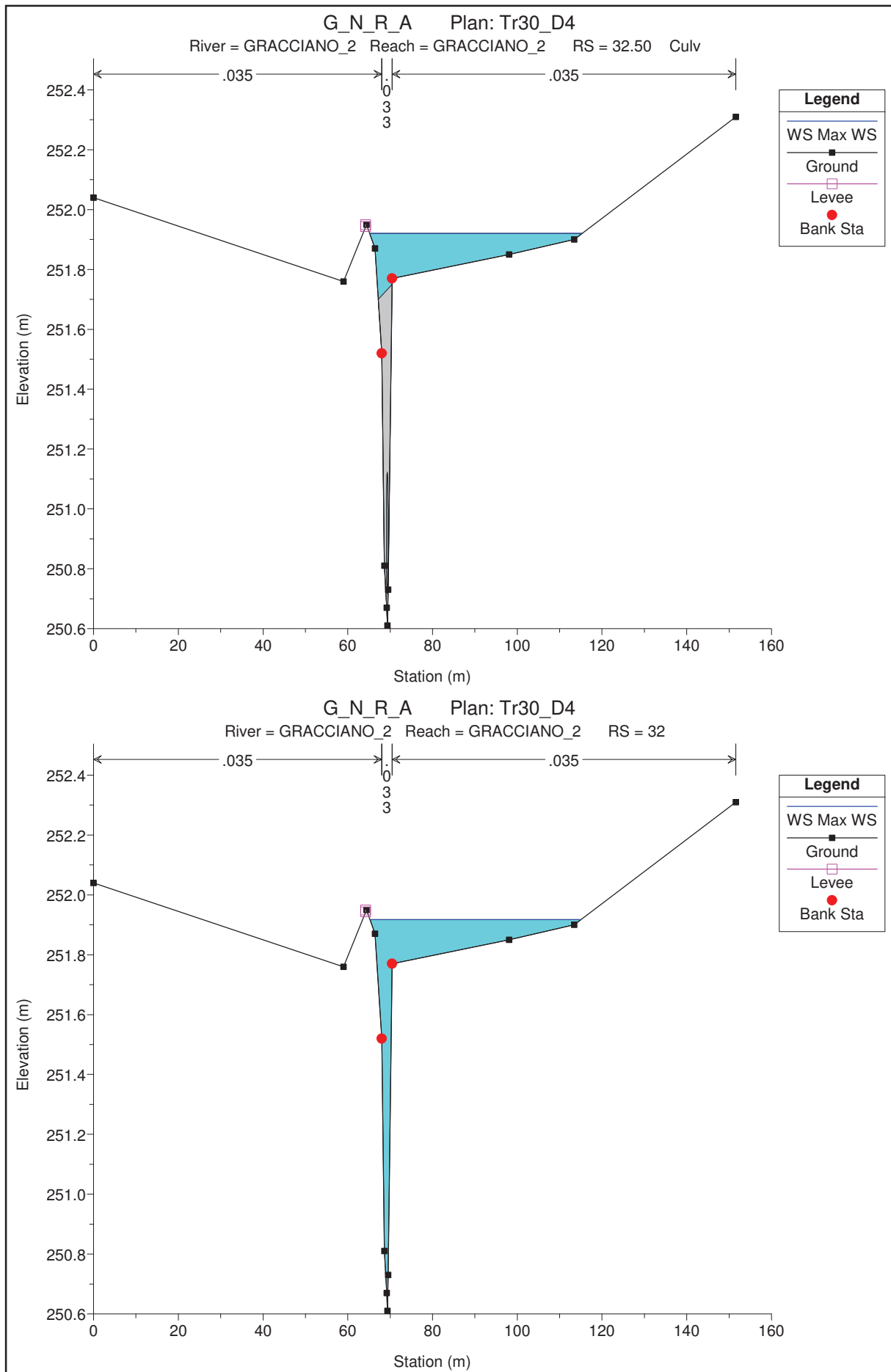
Sezioni Trasversali (da monte verso valle)

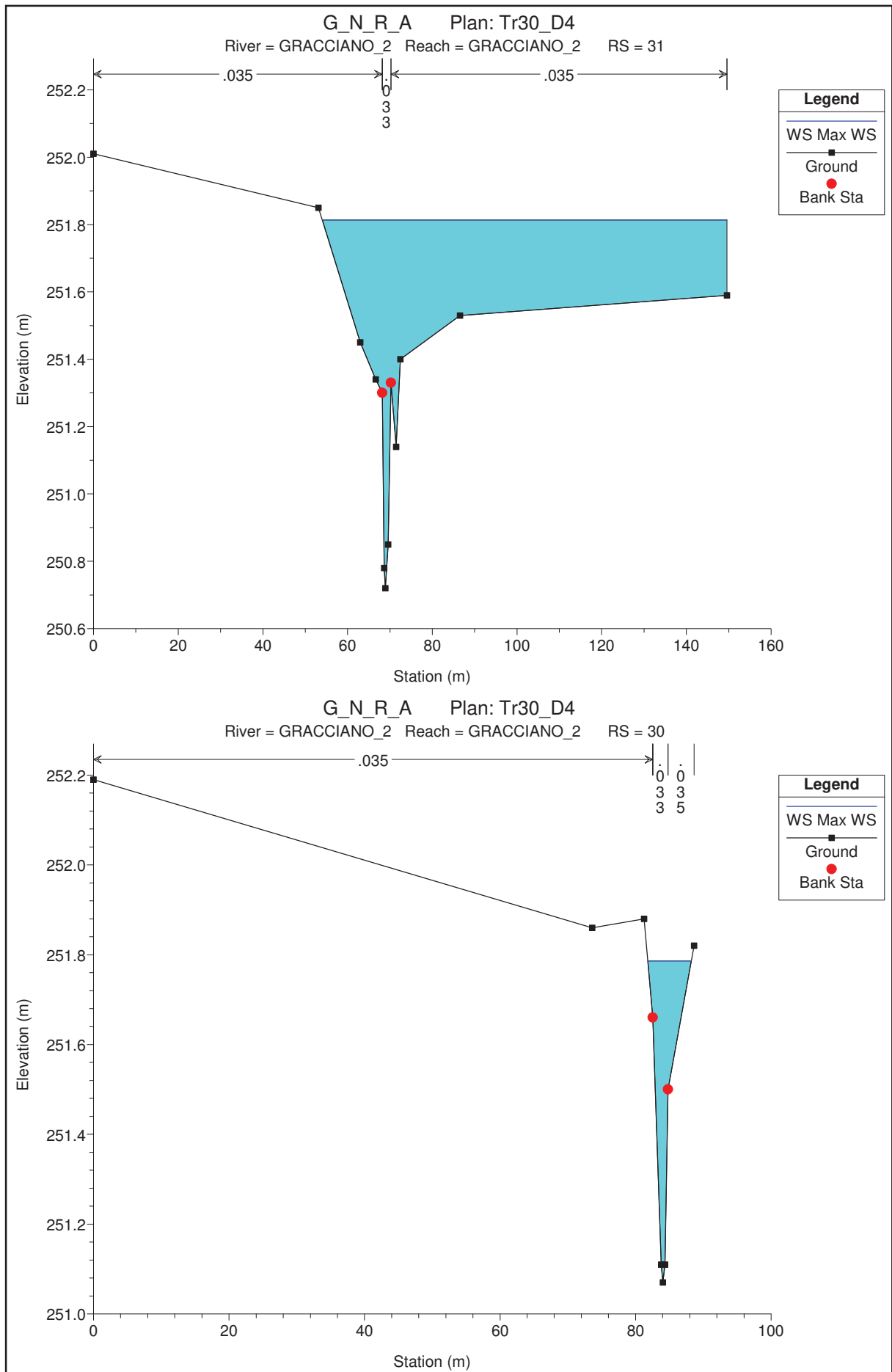


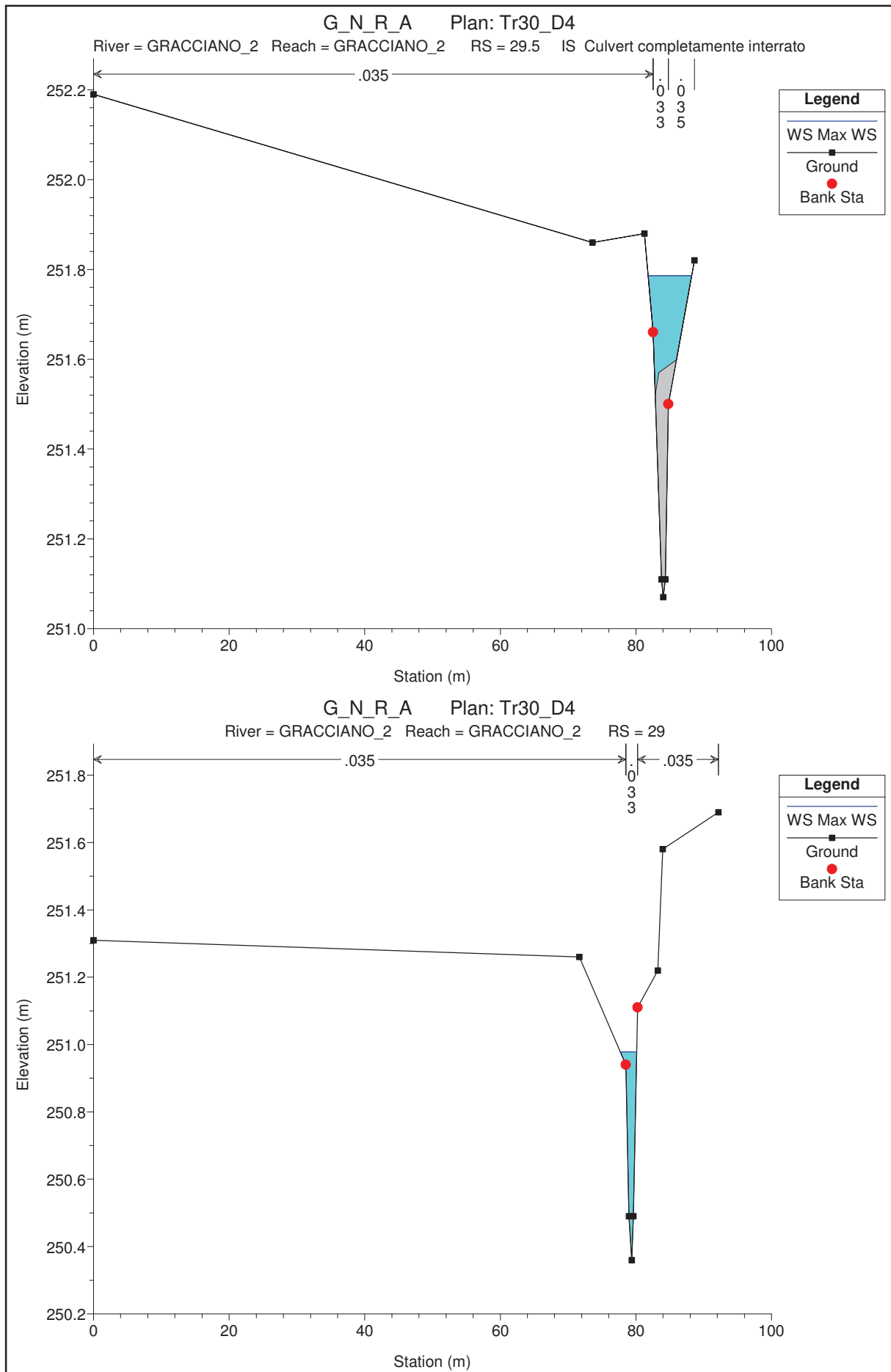


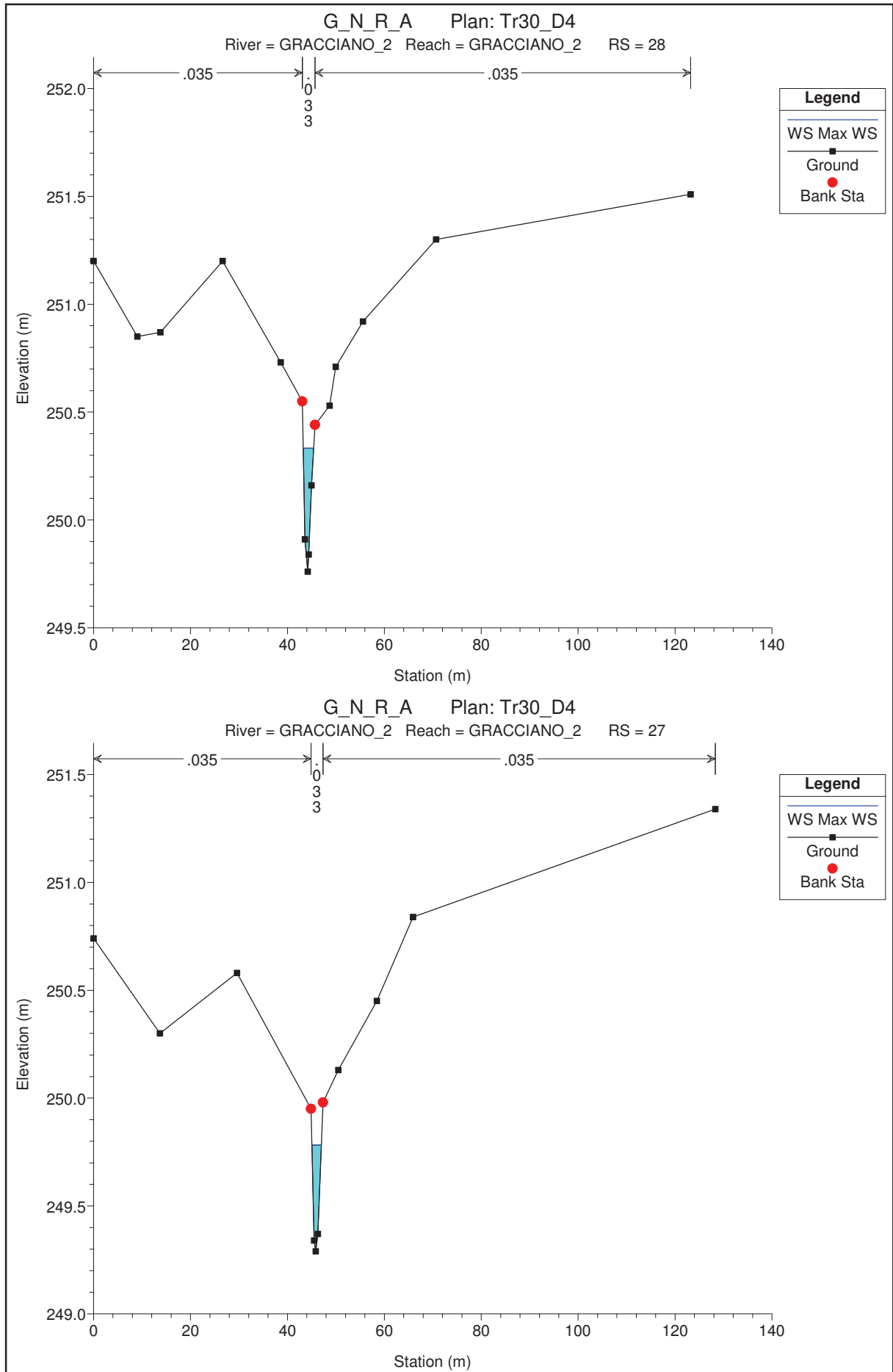


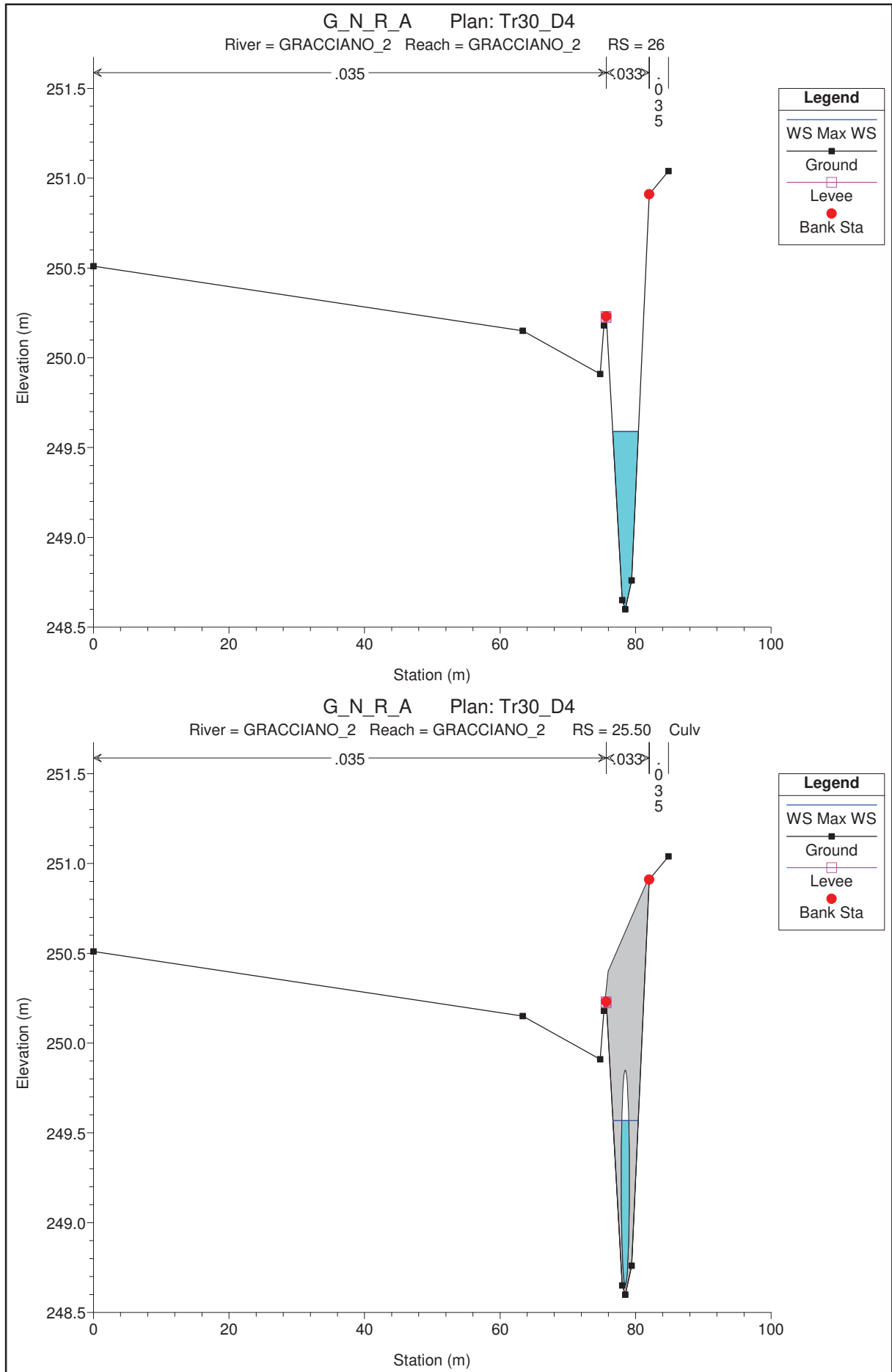


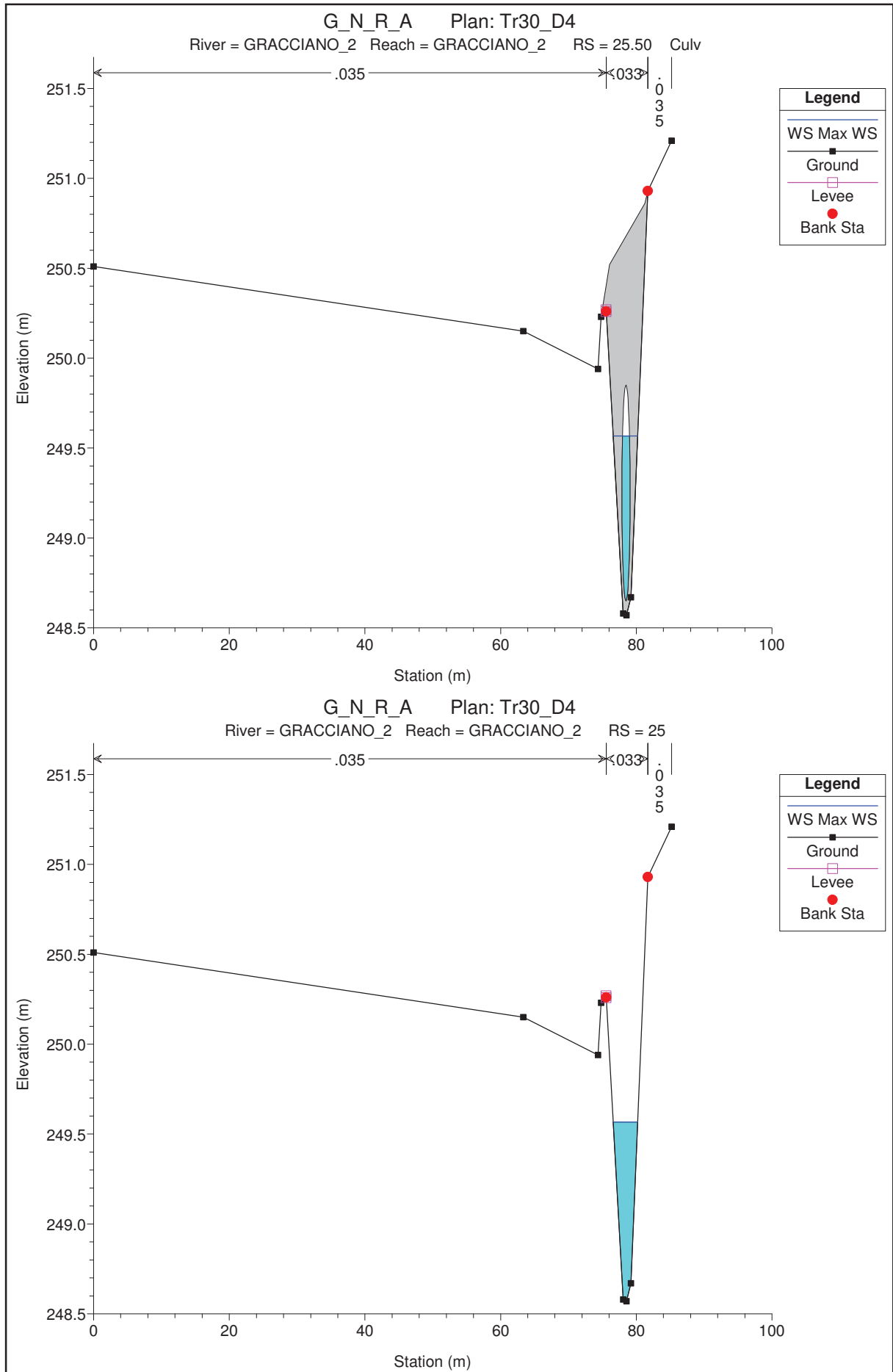


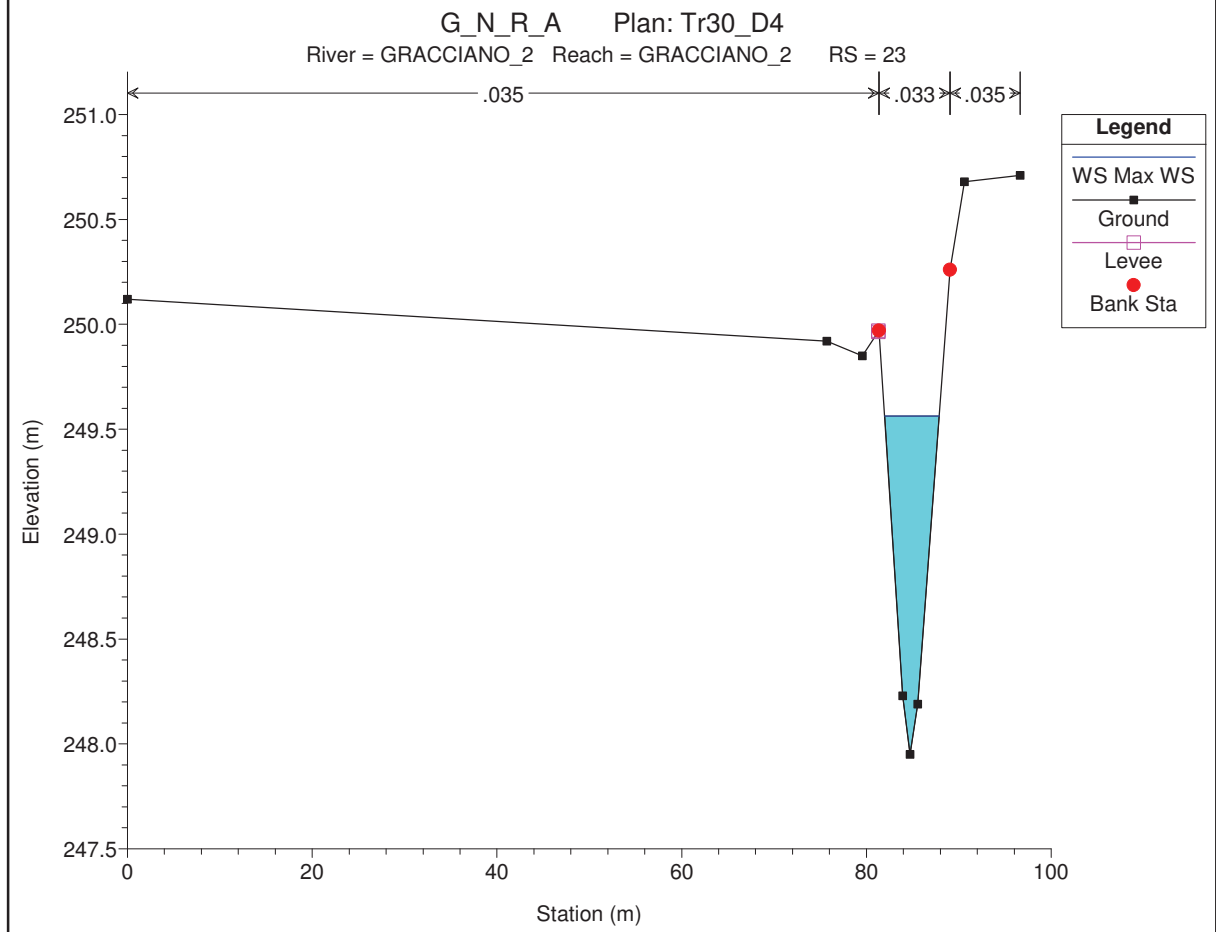
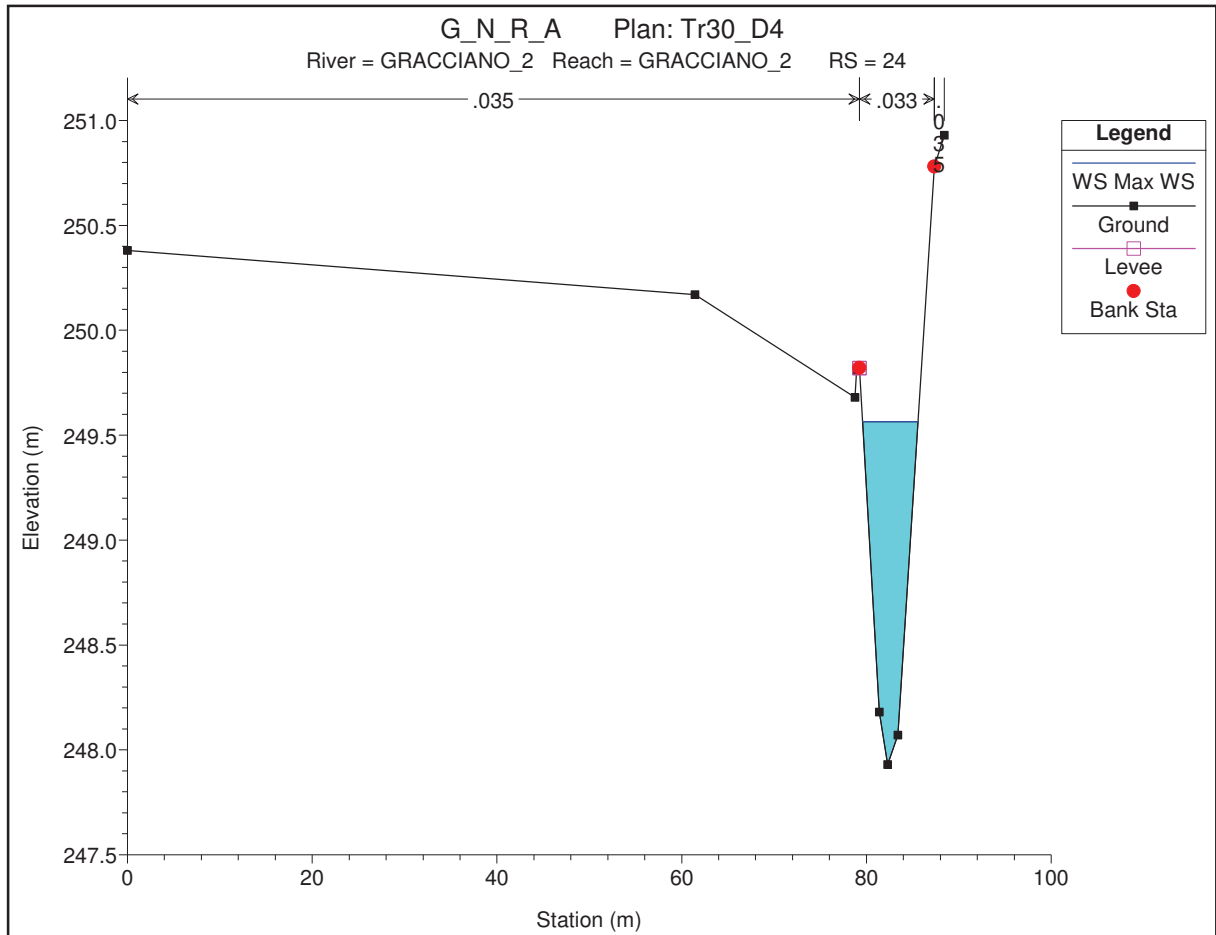


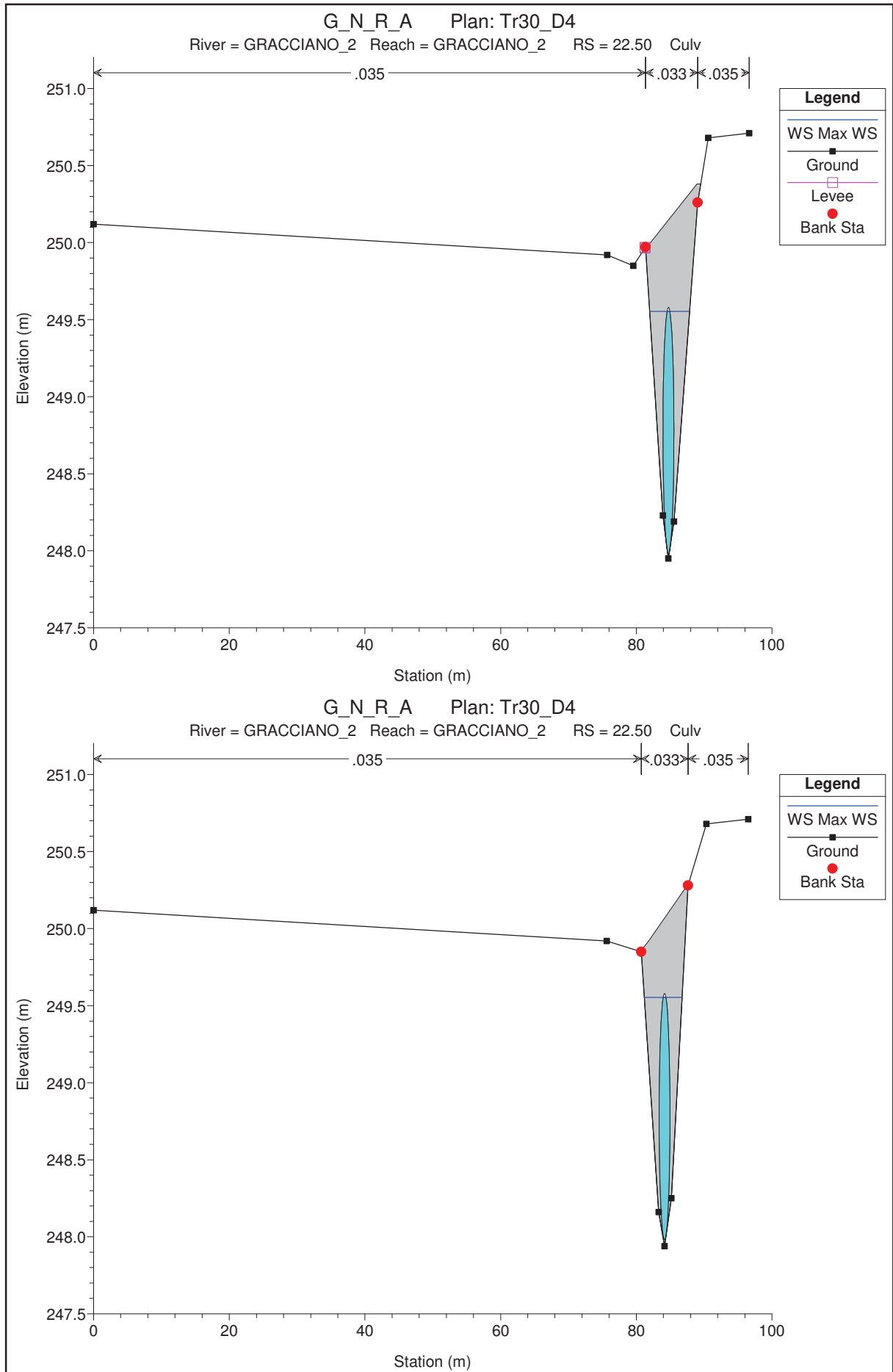


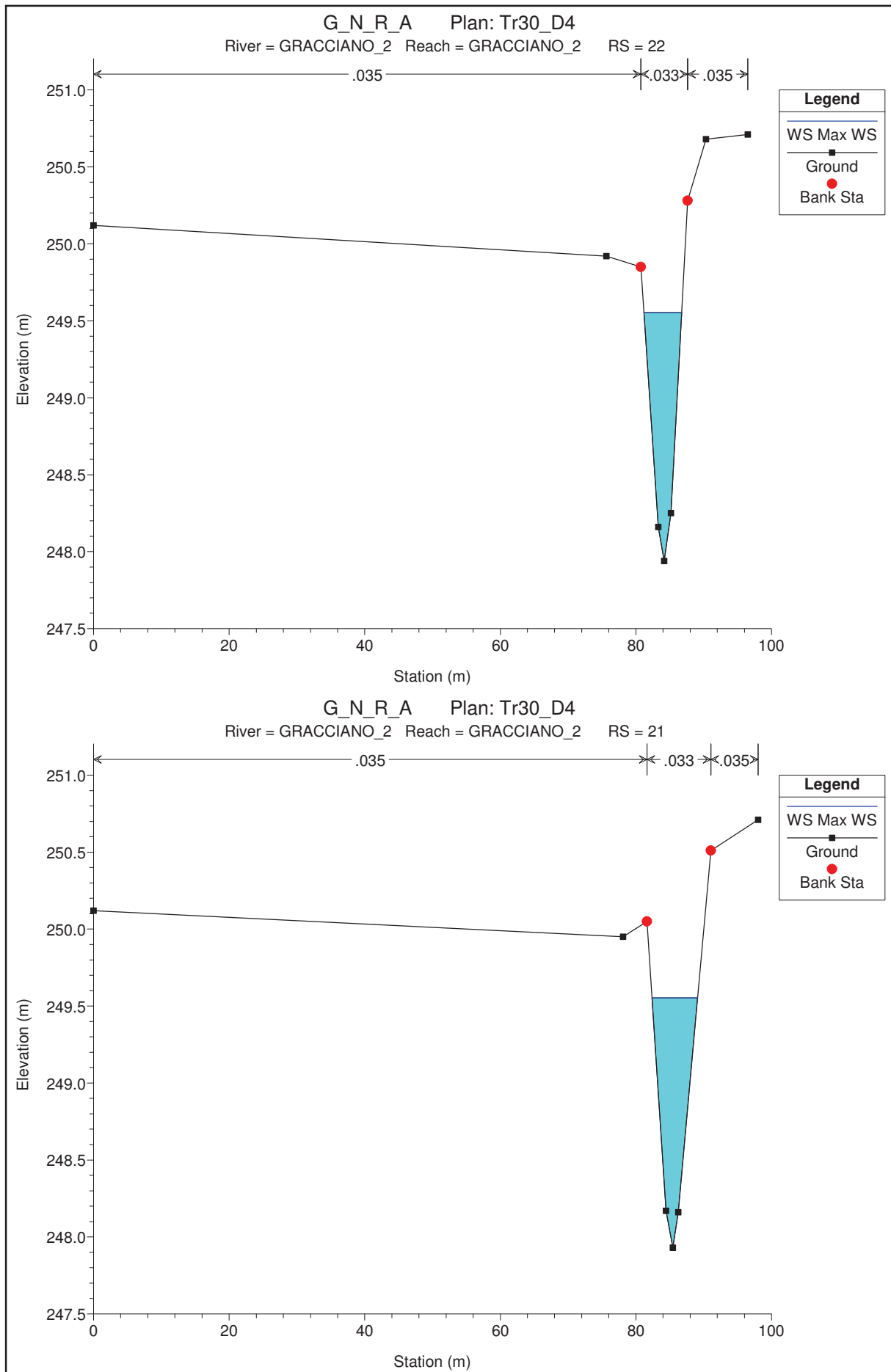


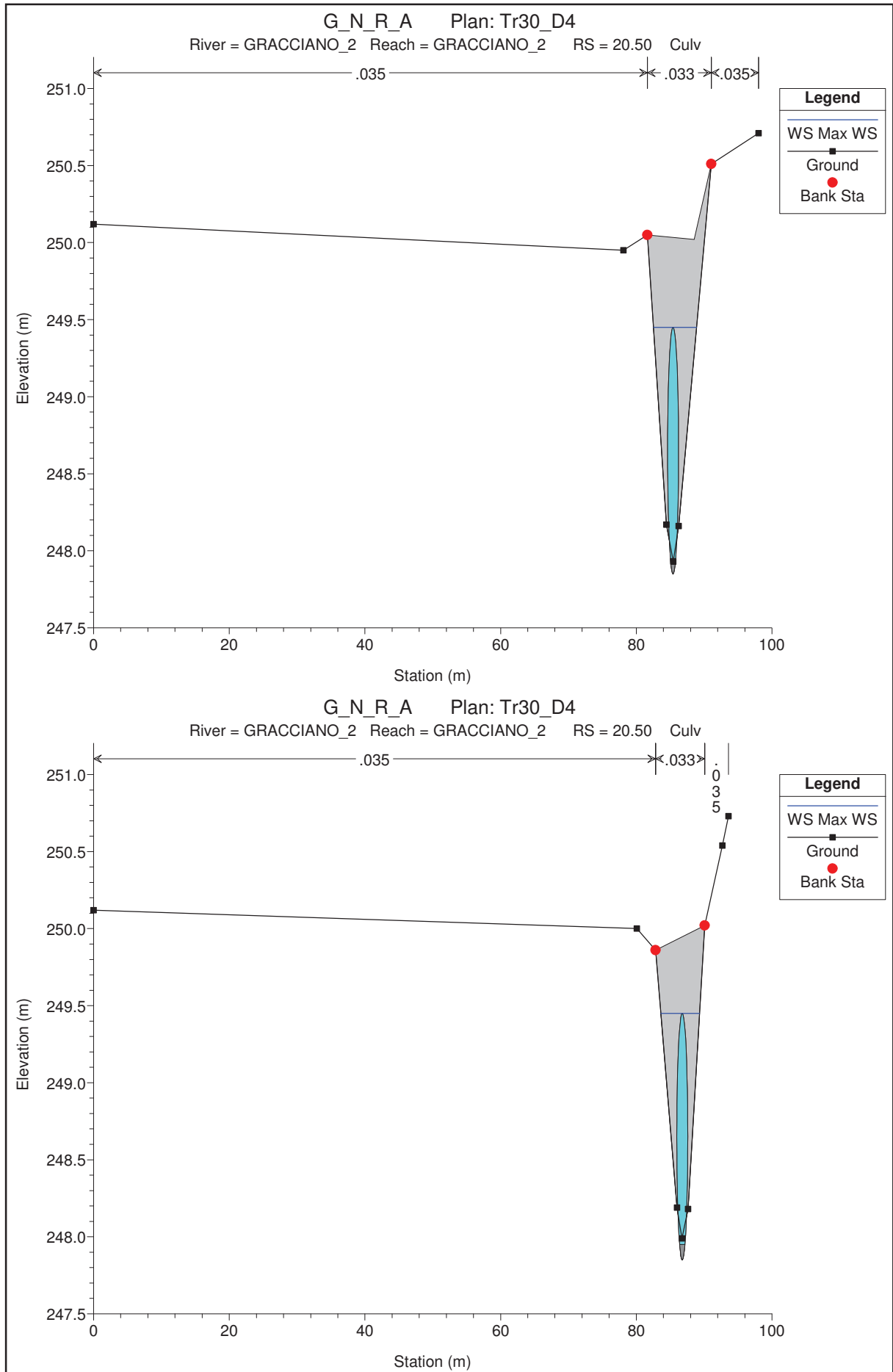


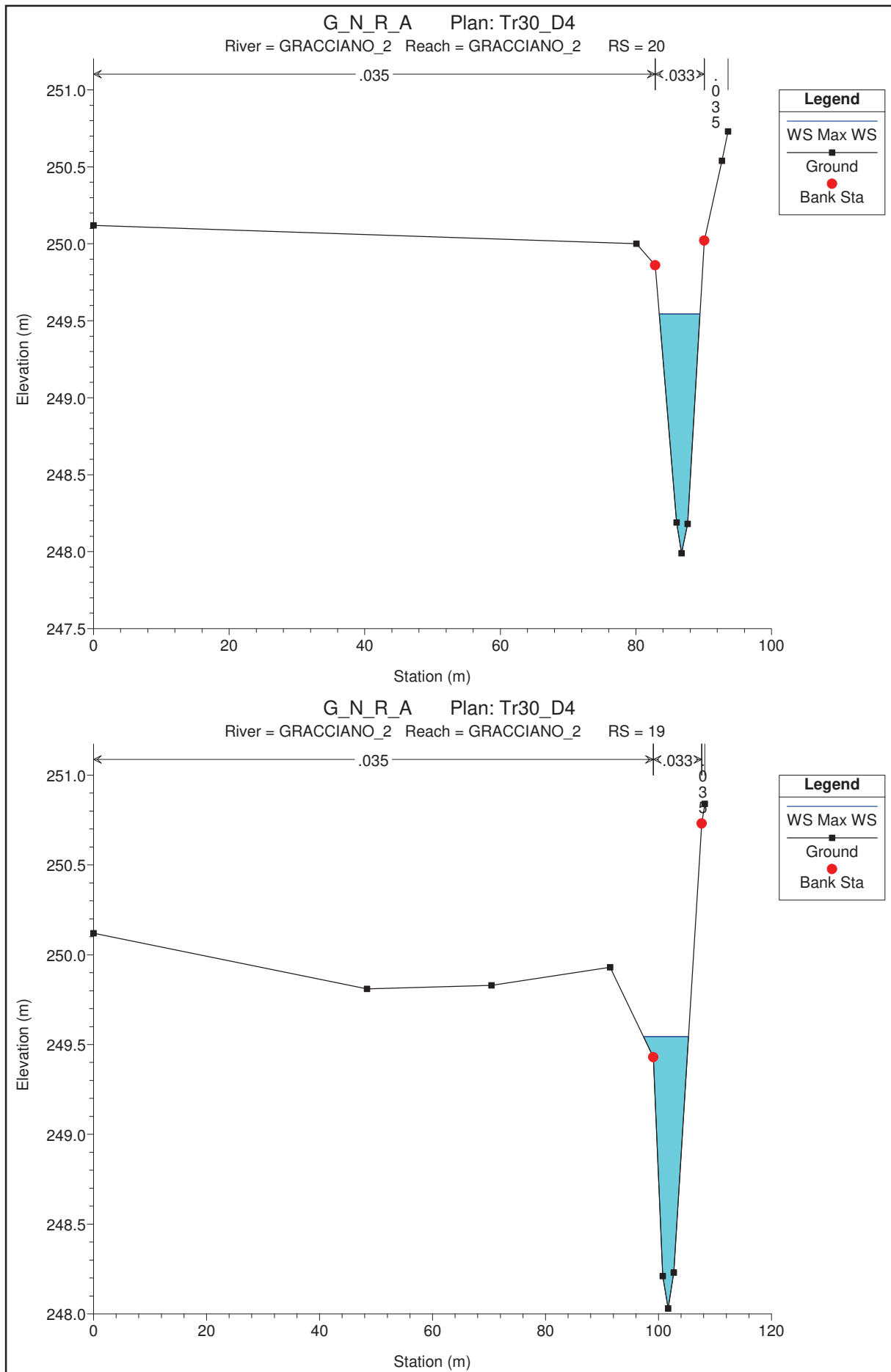


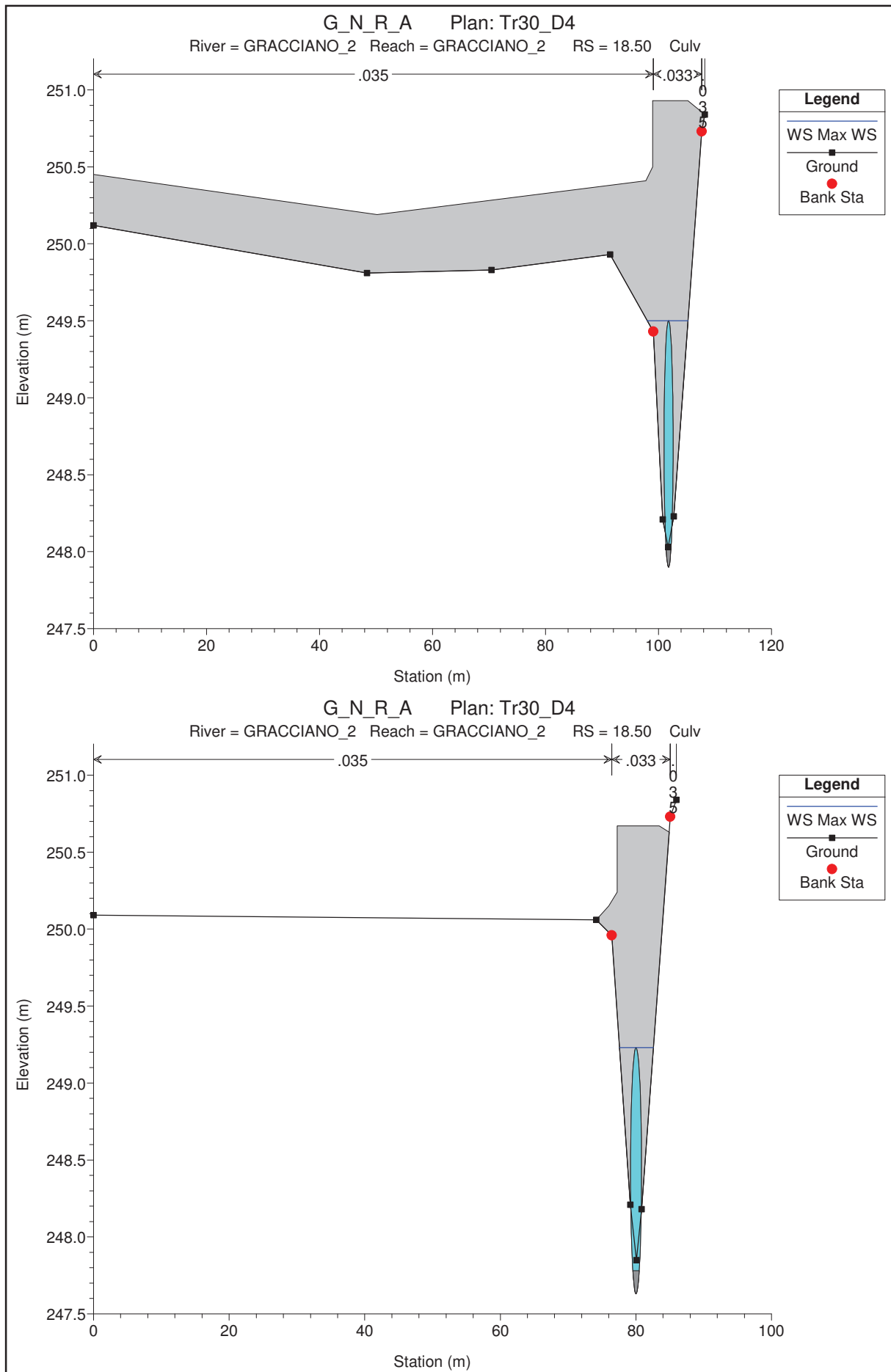


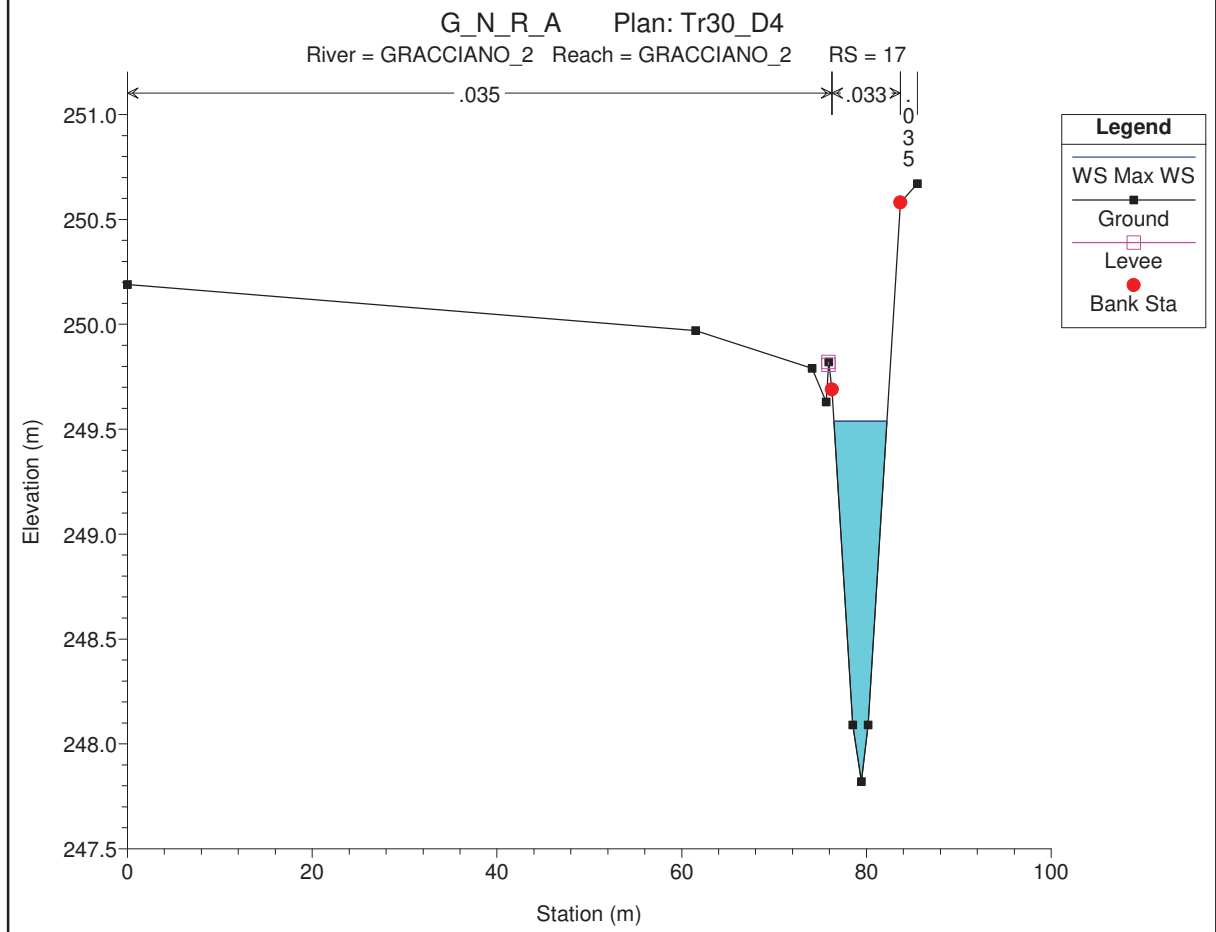
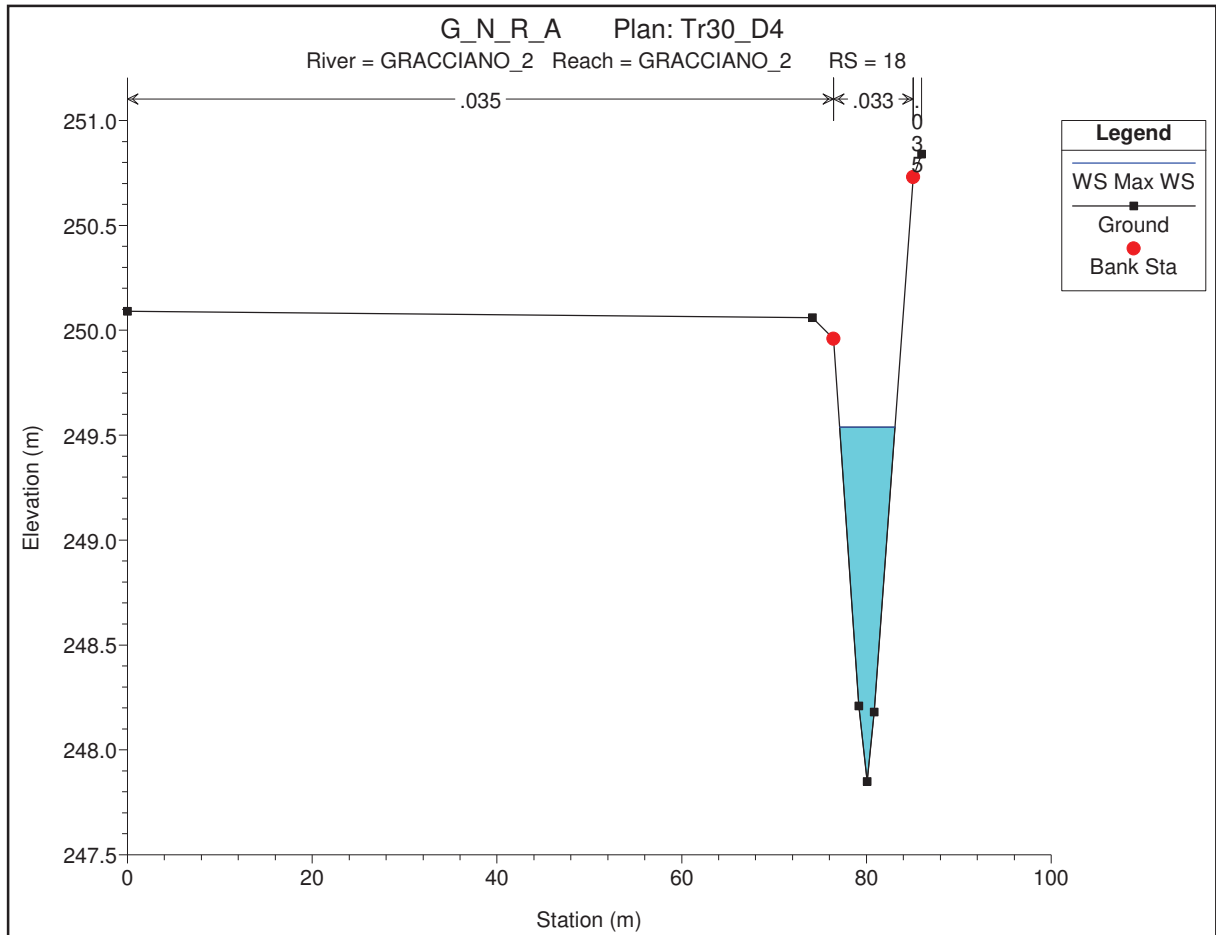


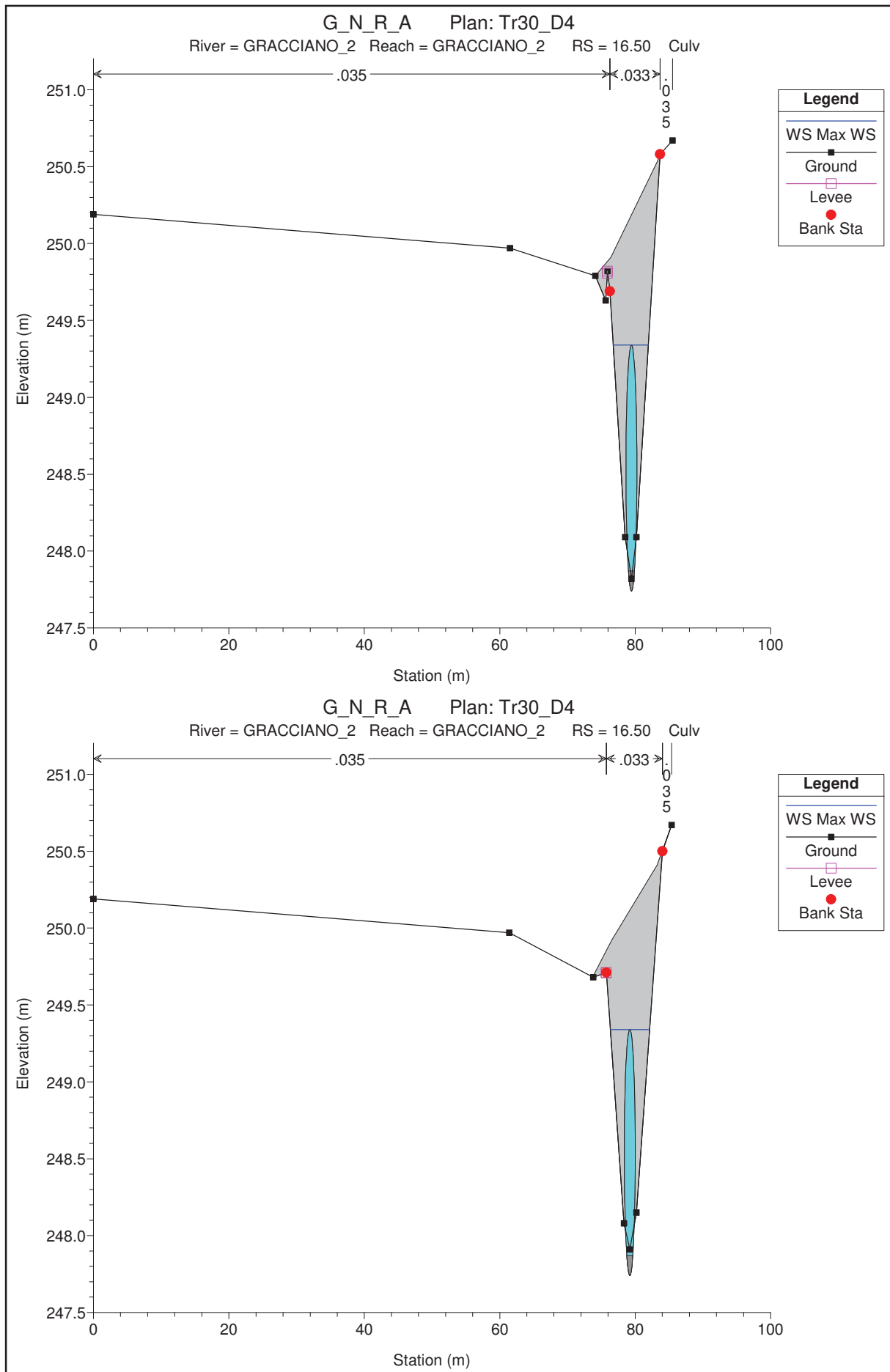


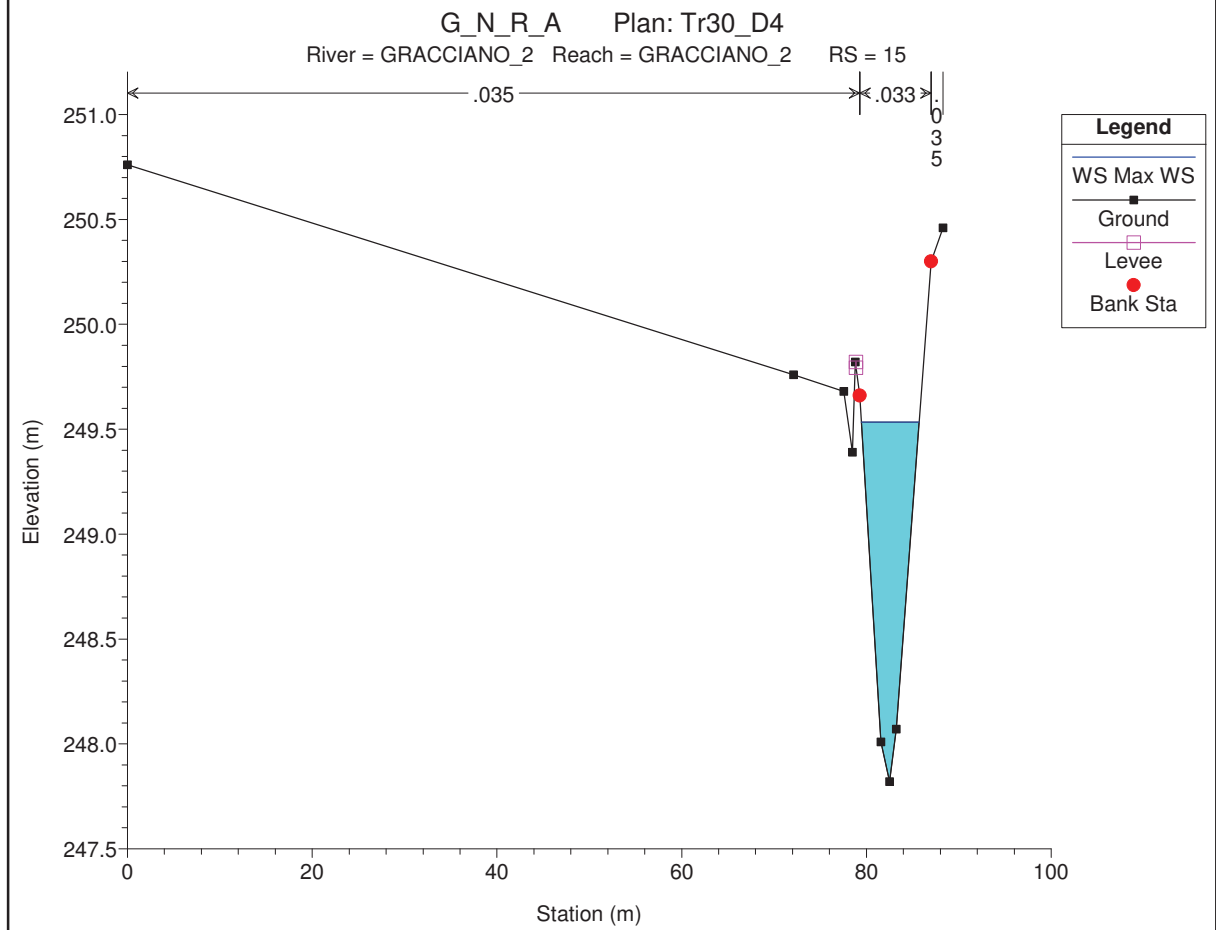
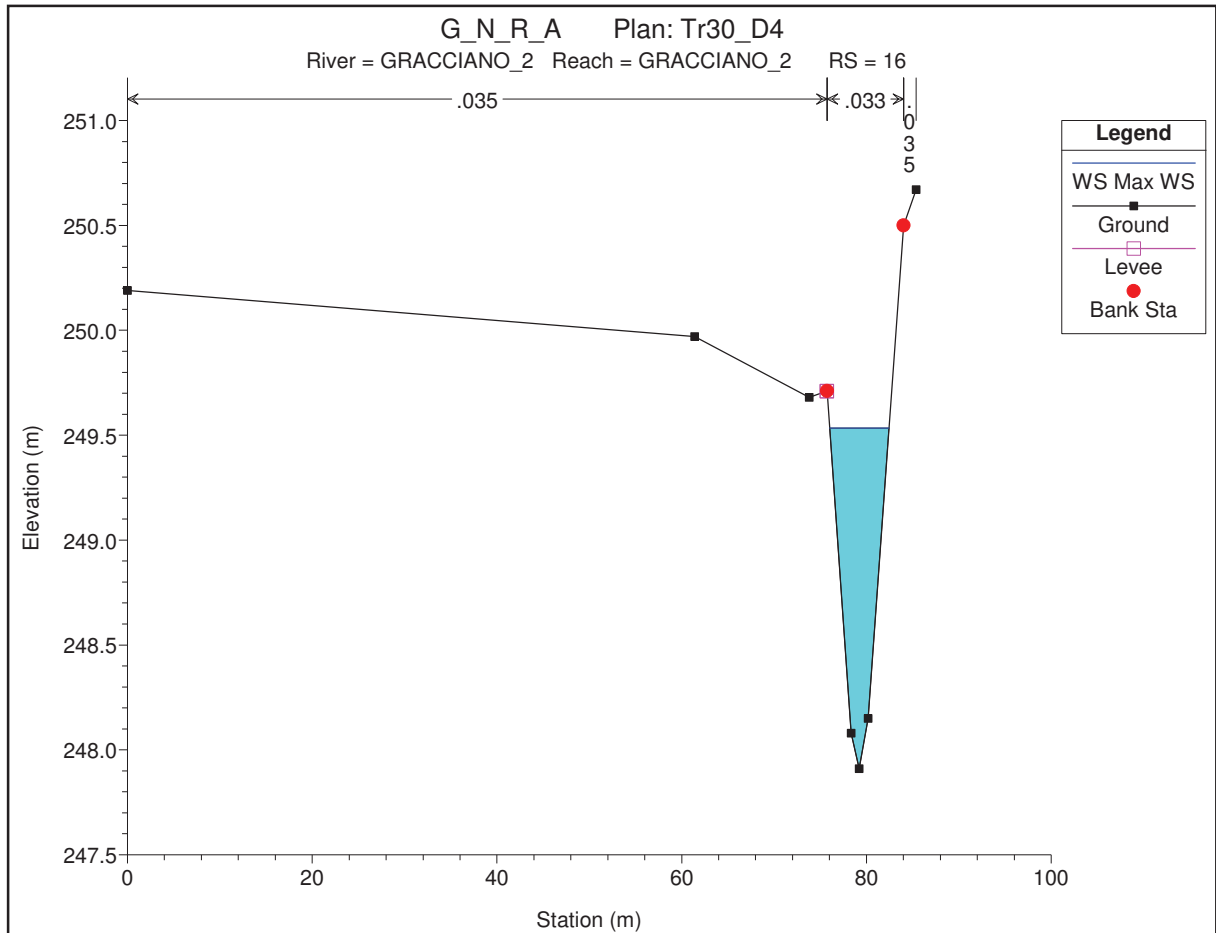


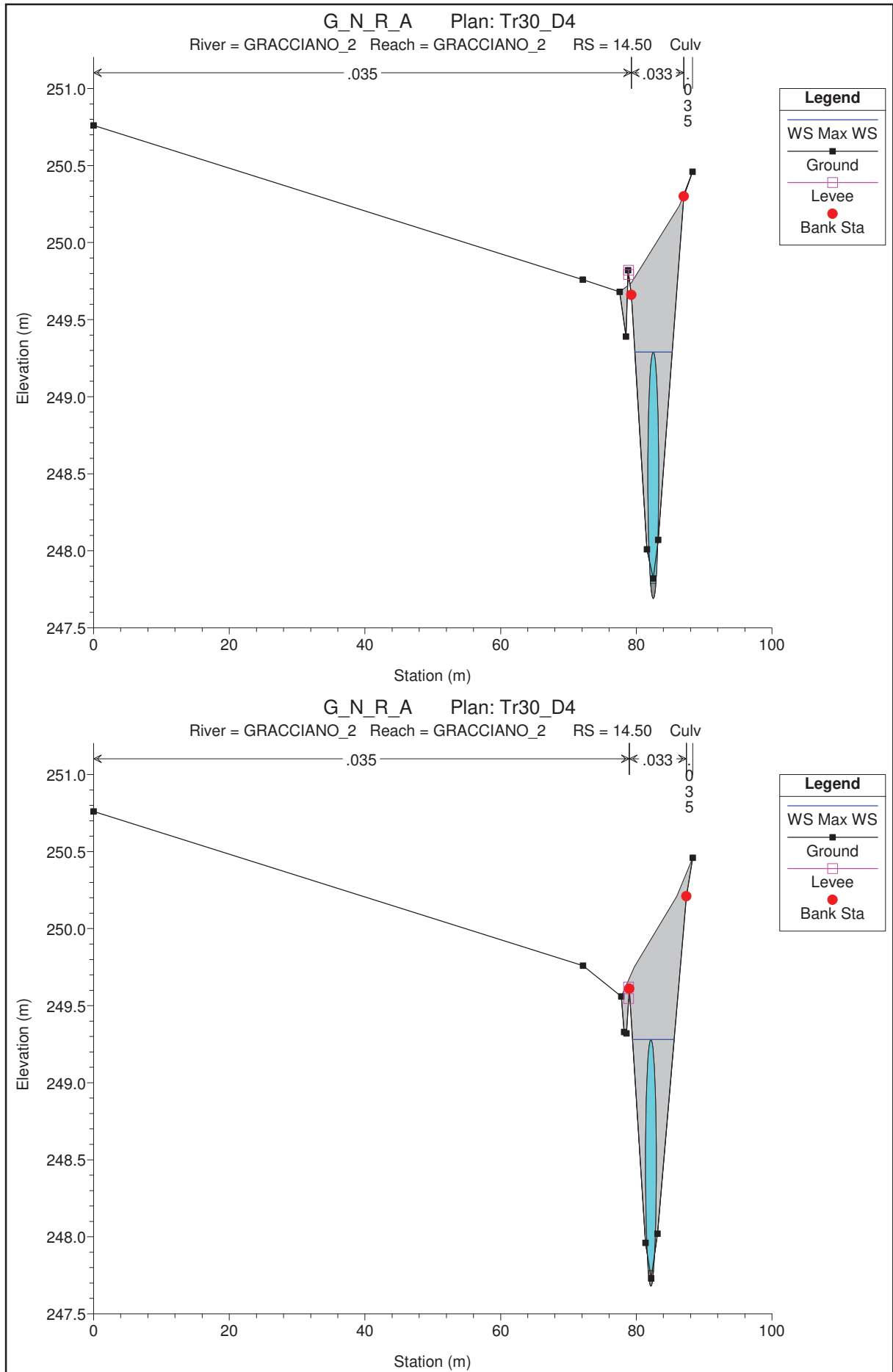


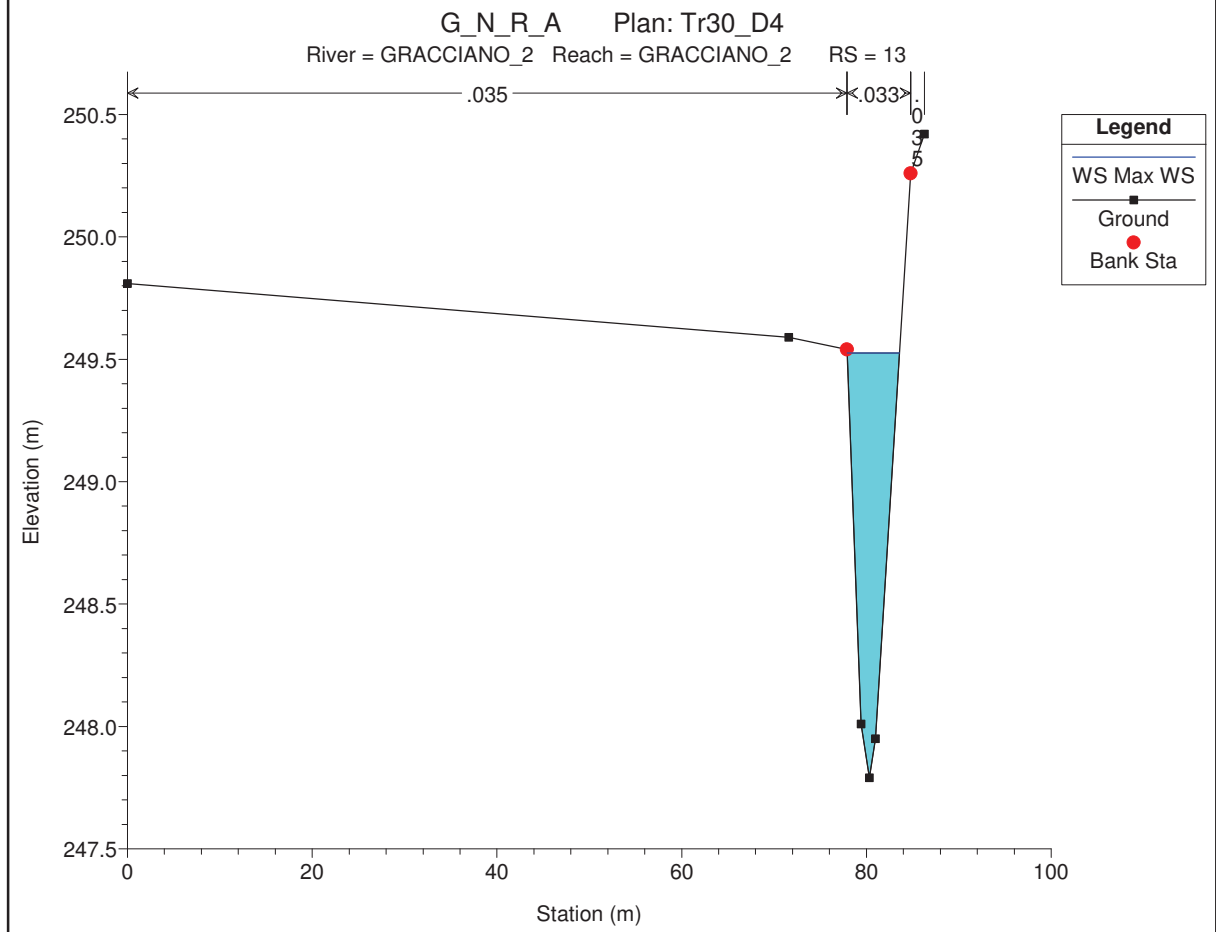
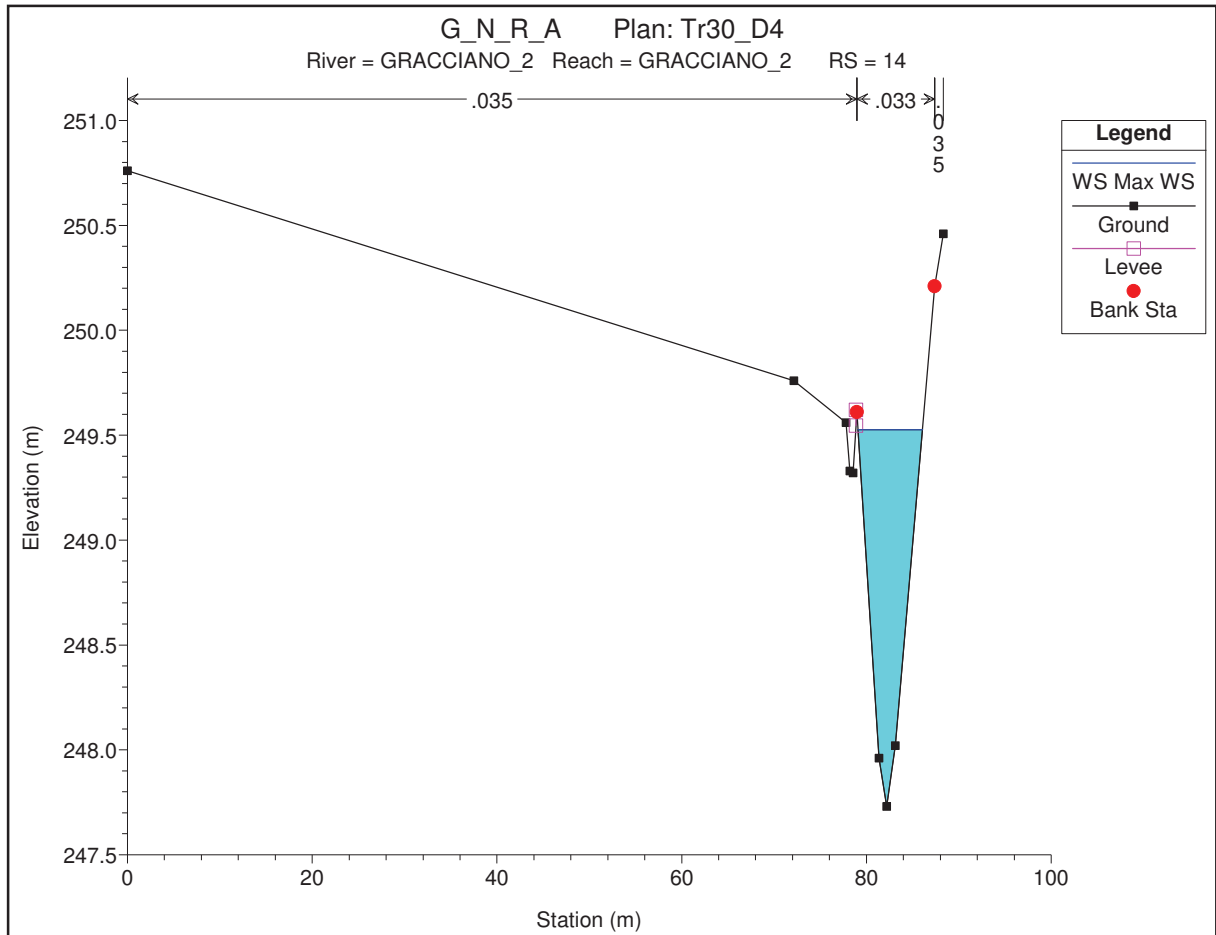


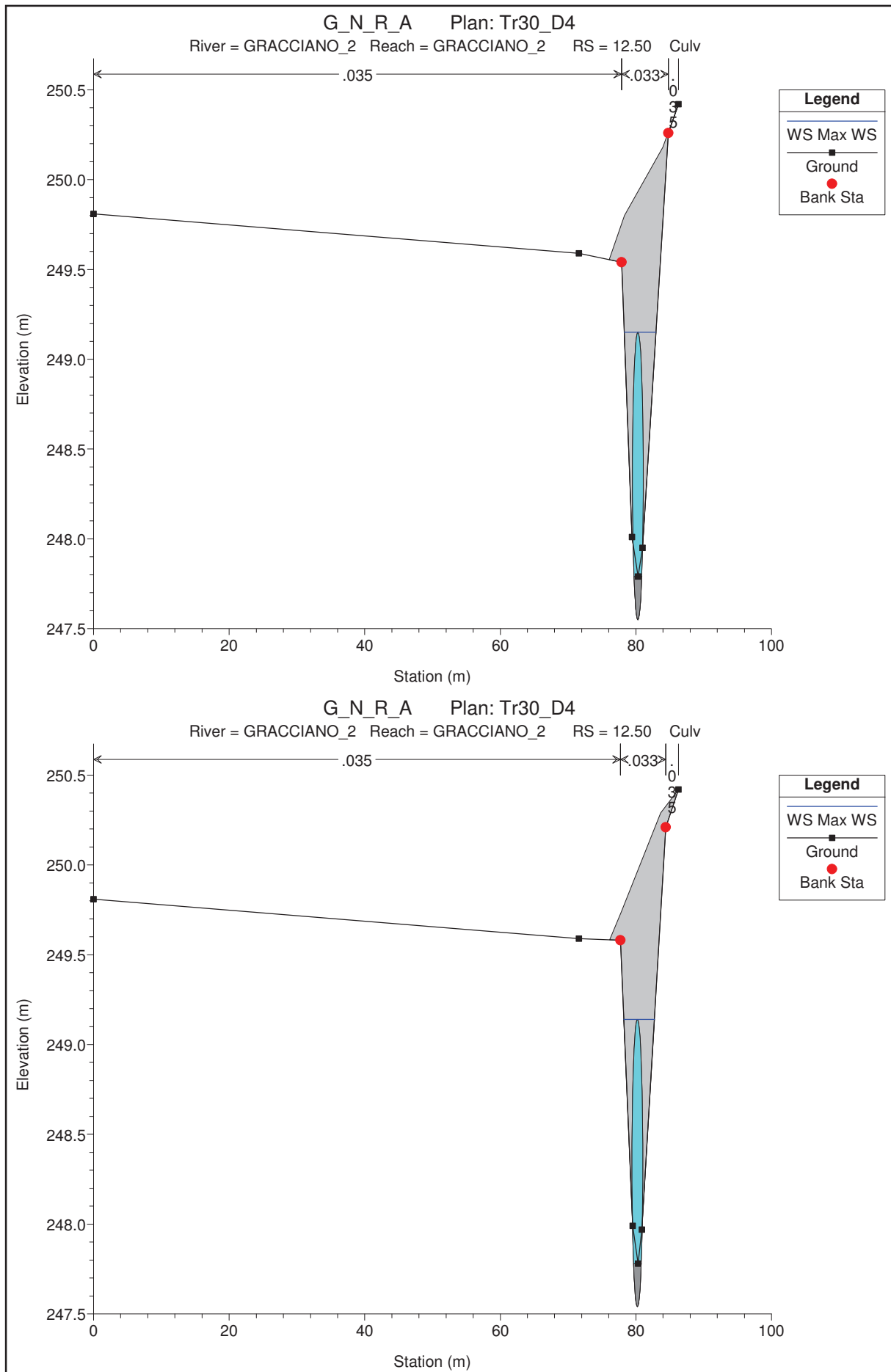


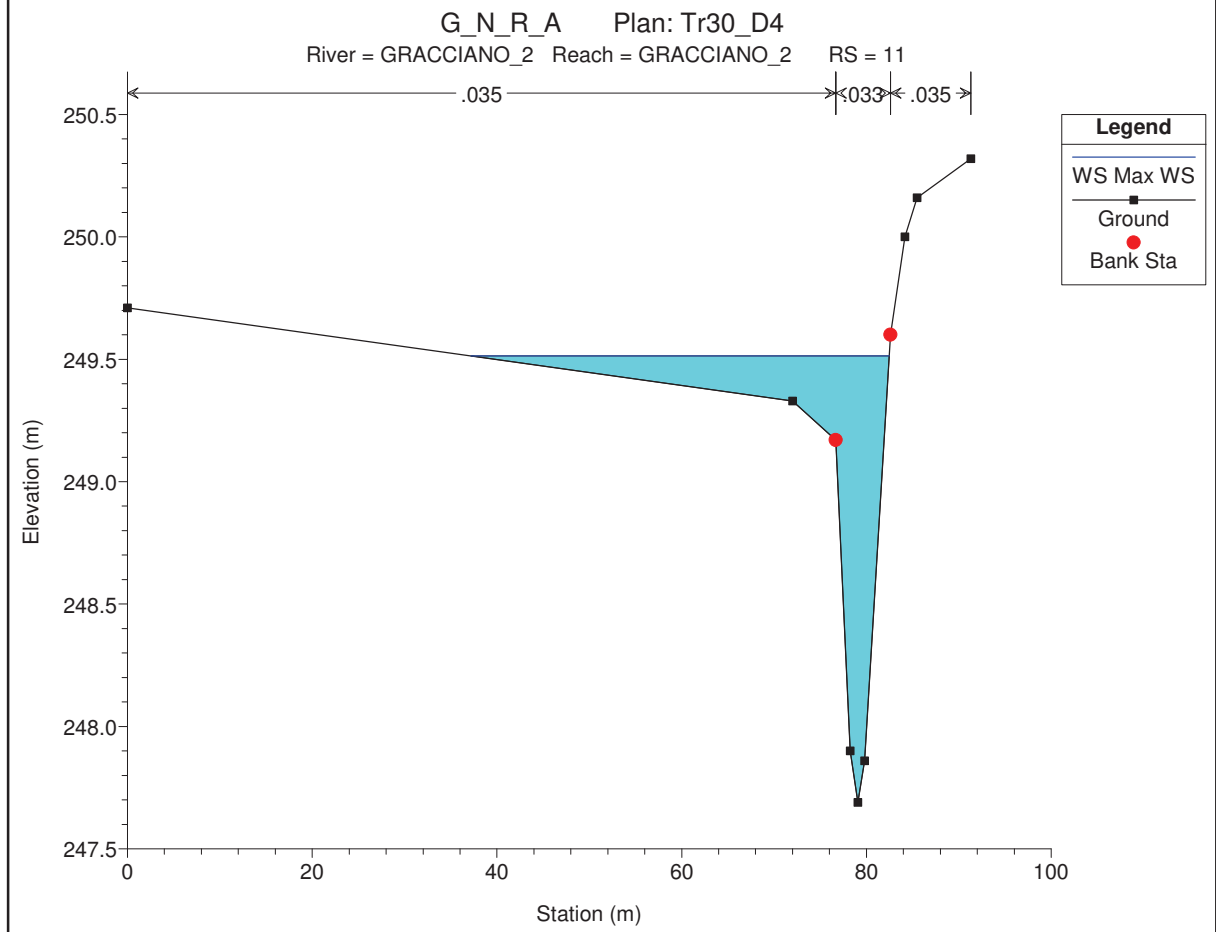
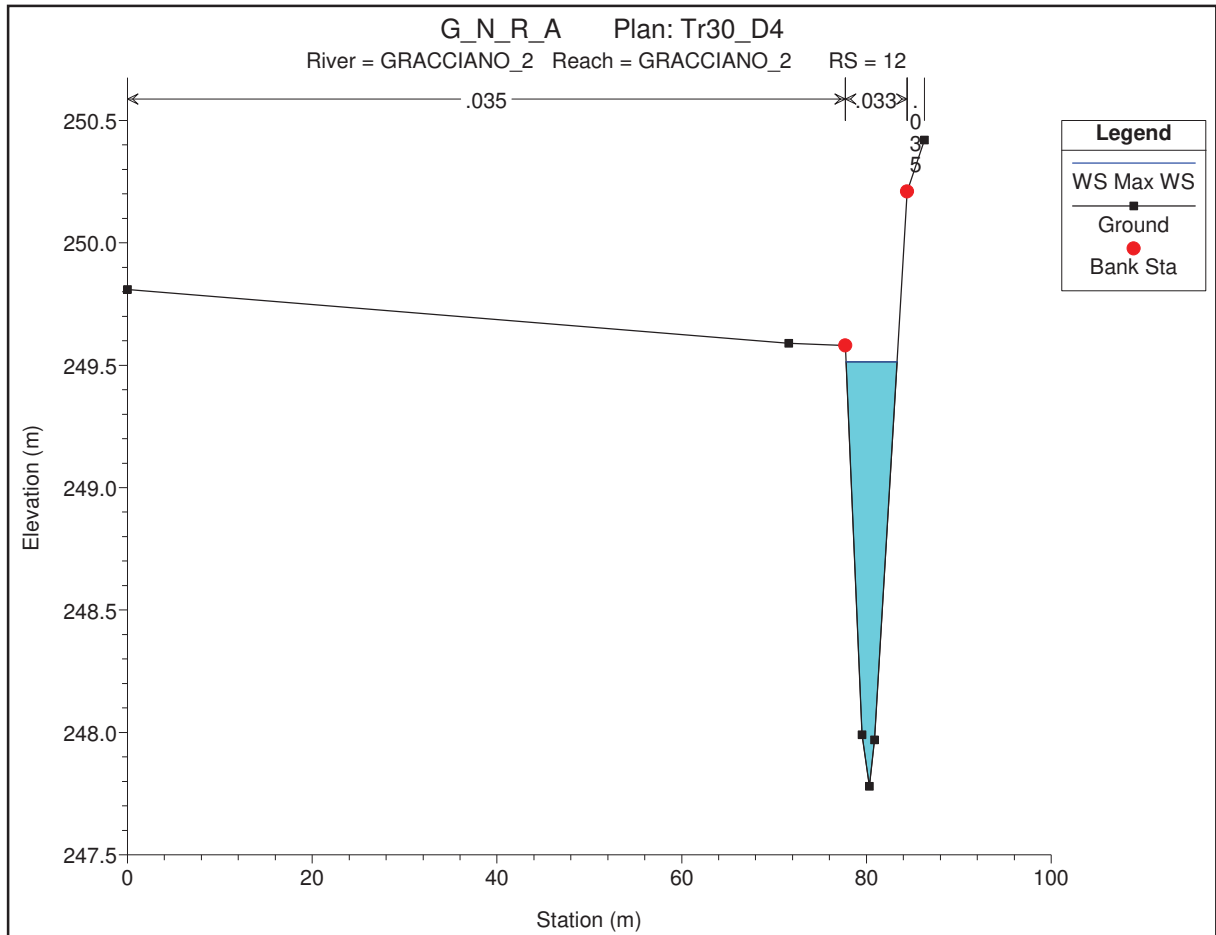


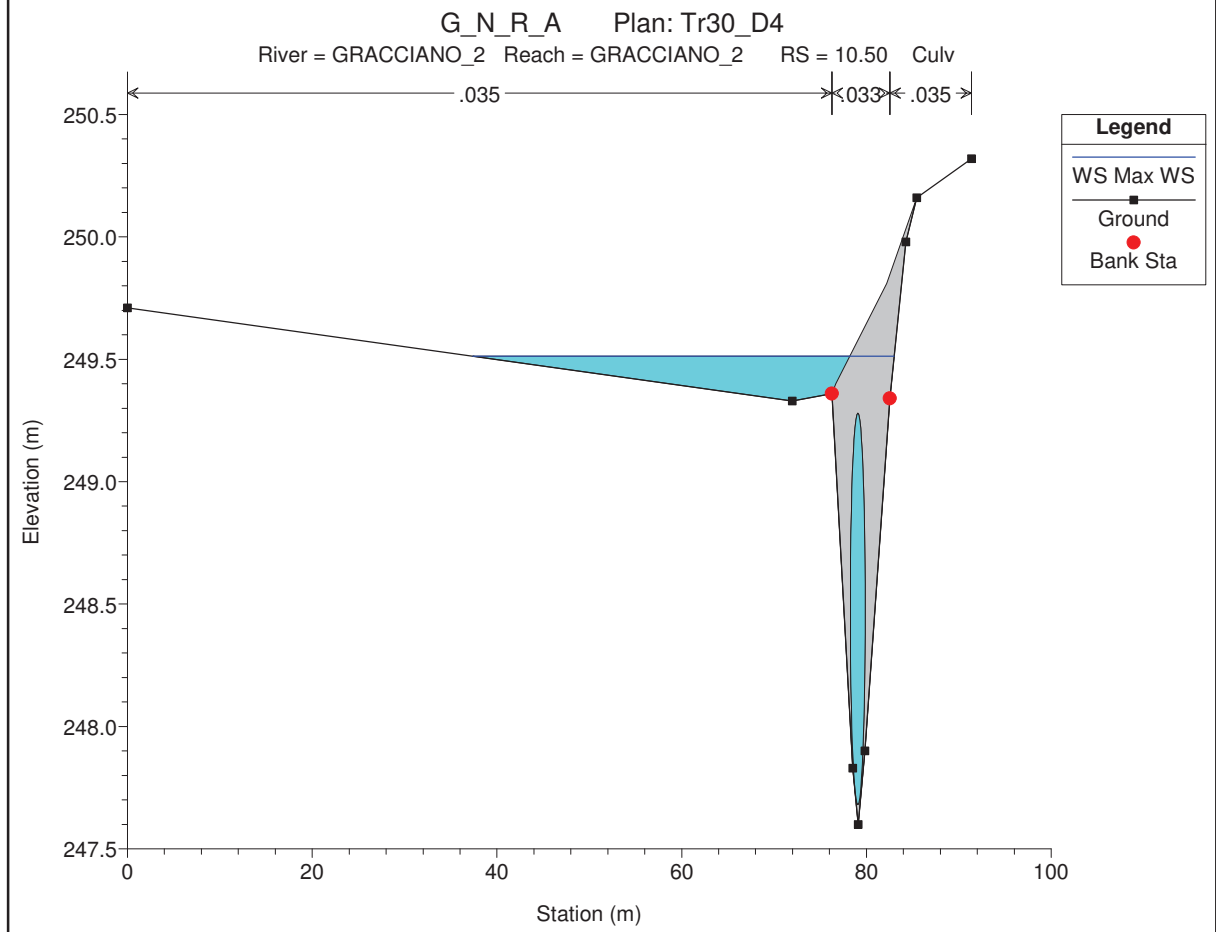
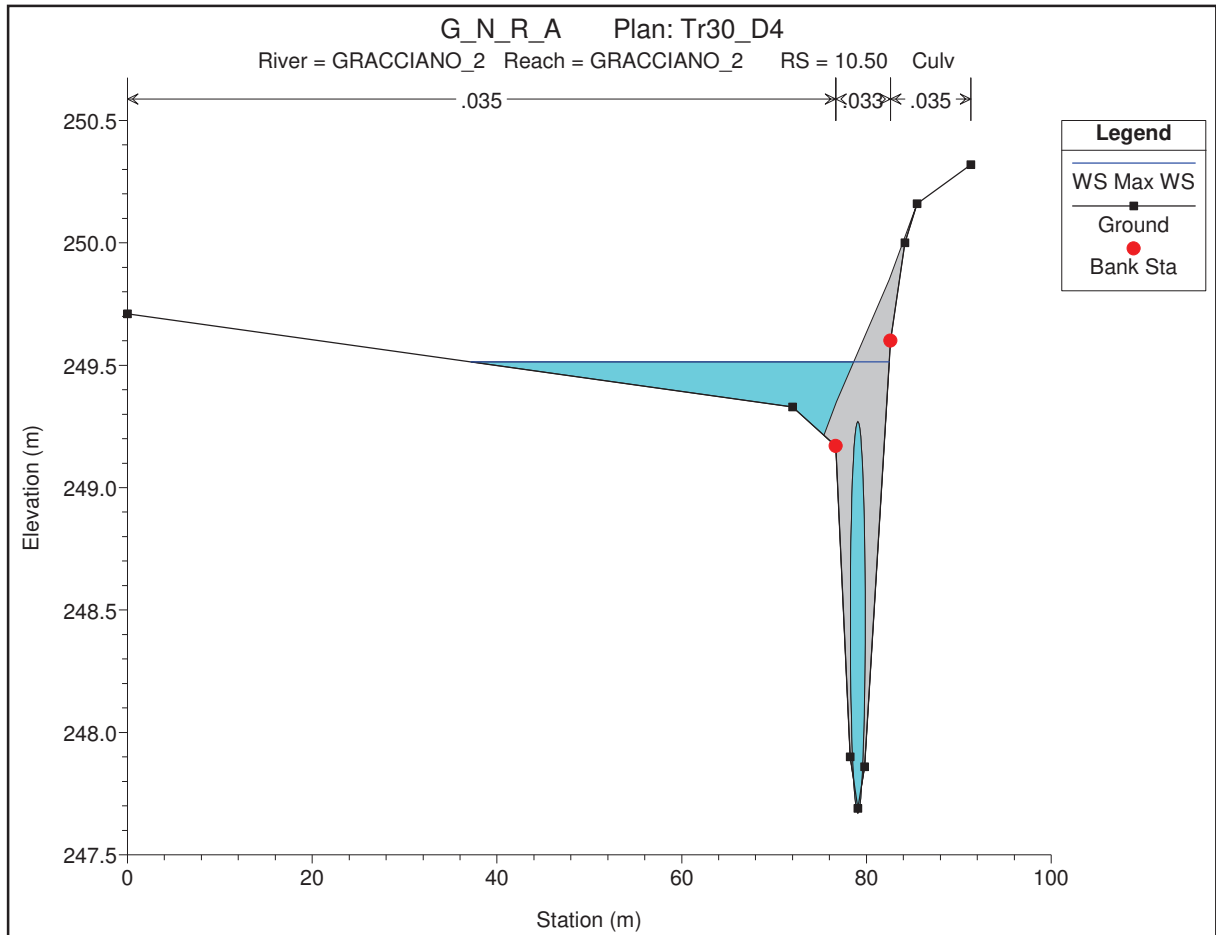


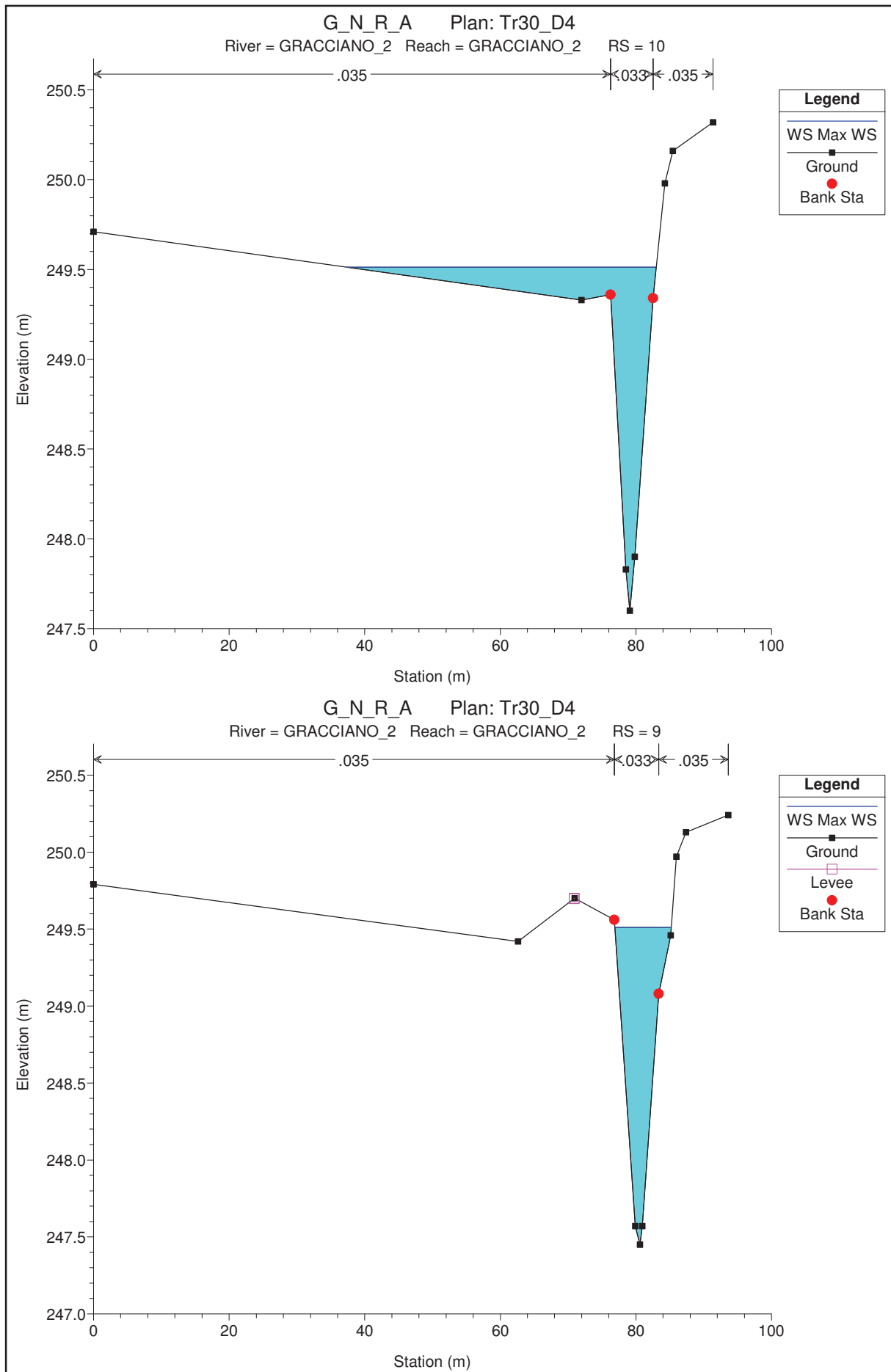


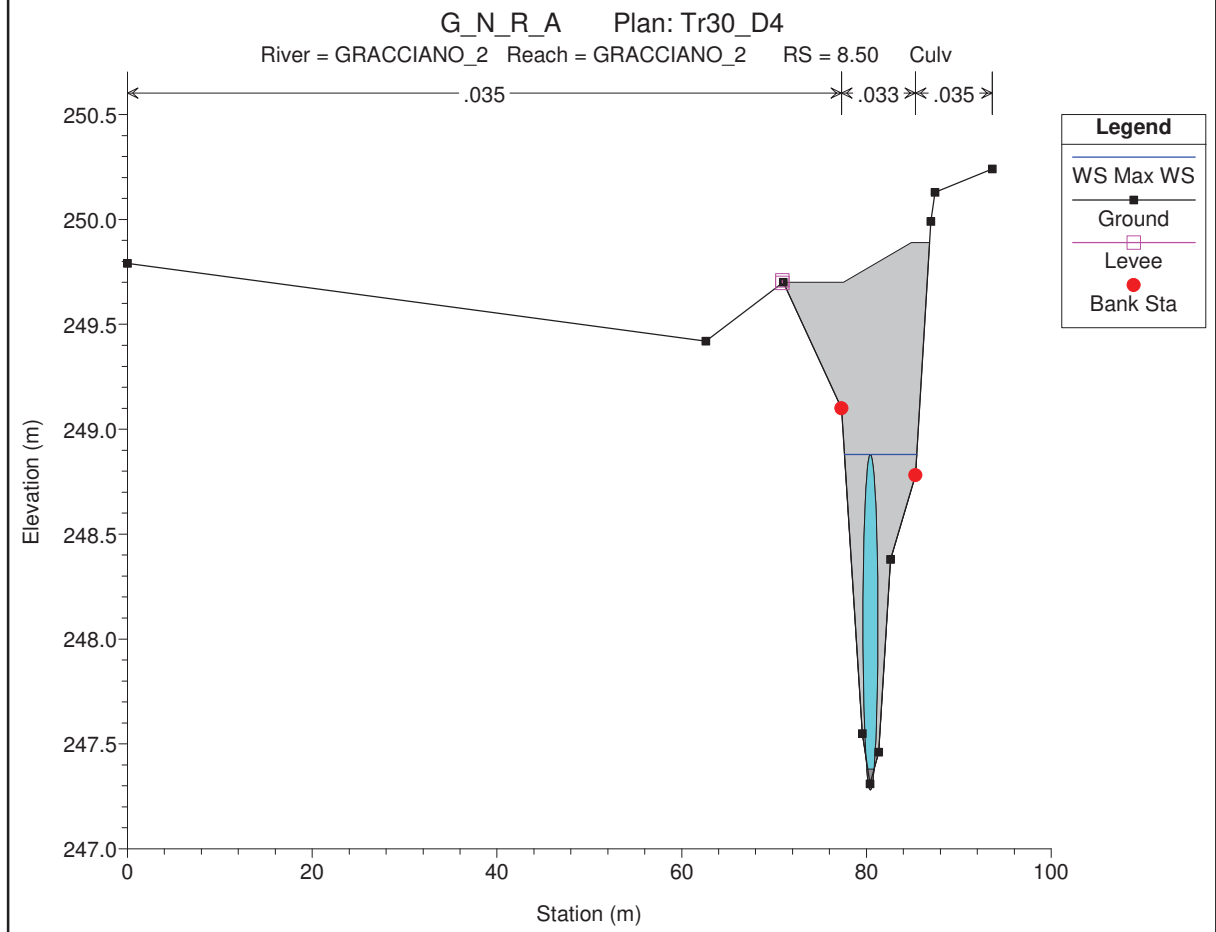
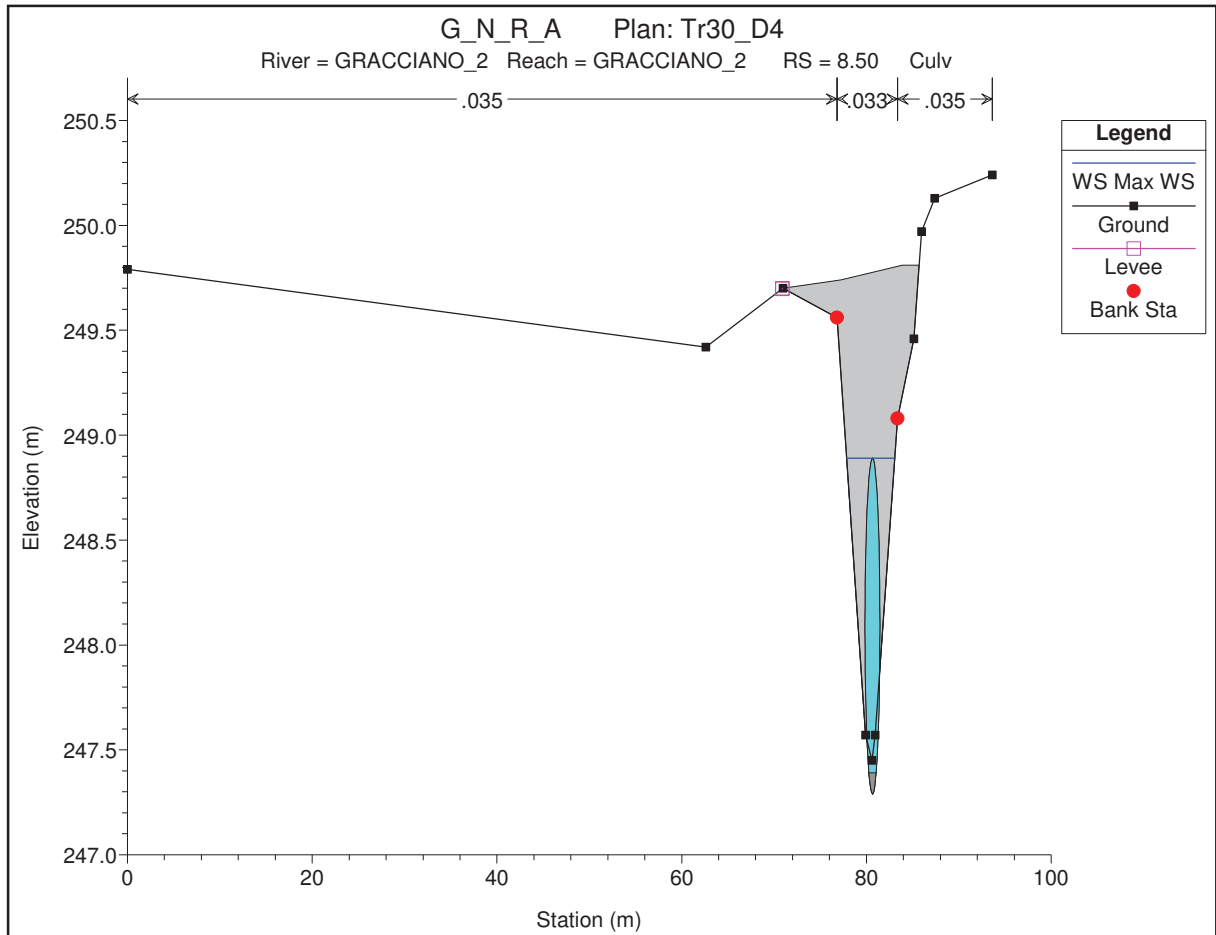


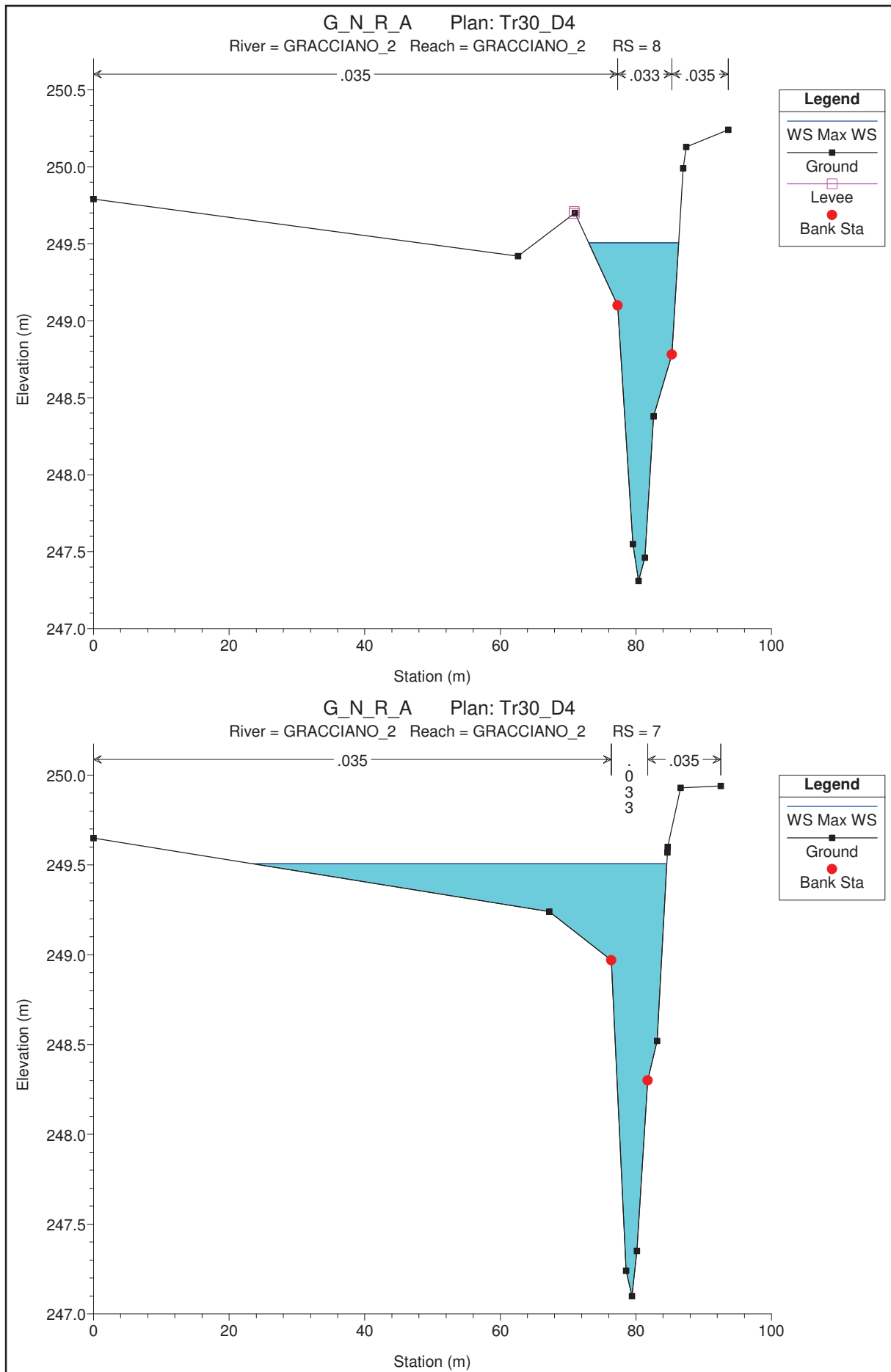


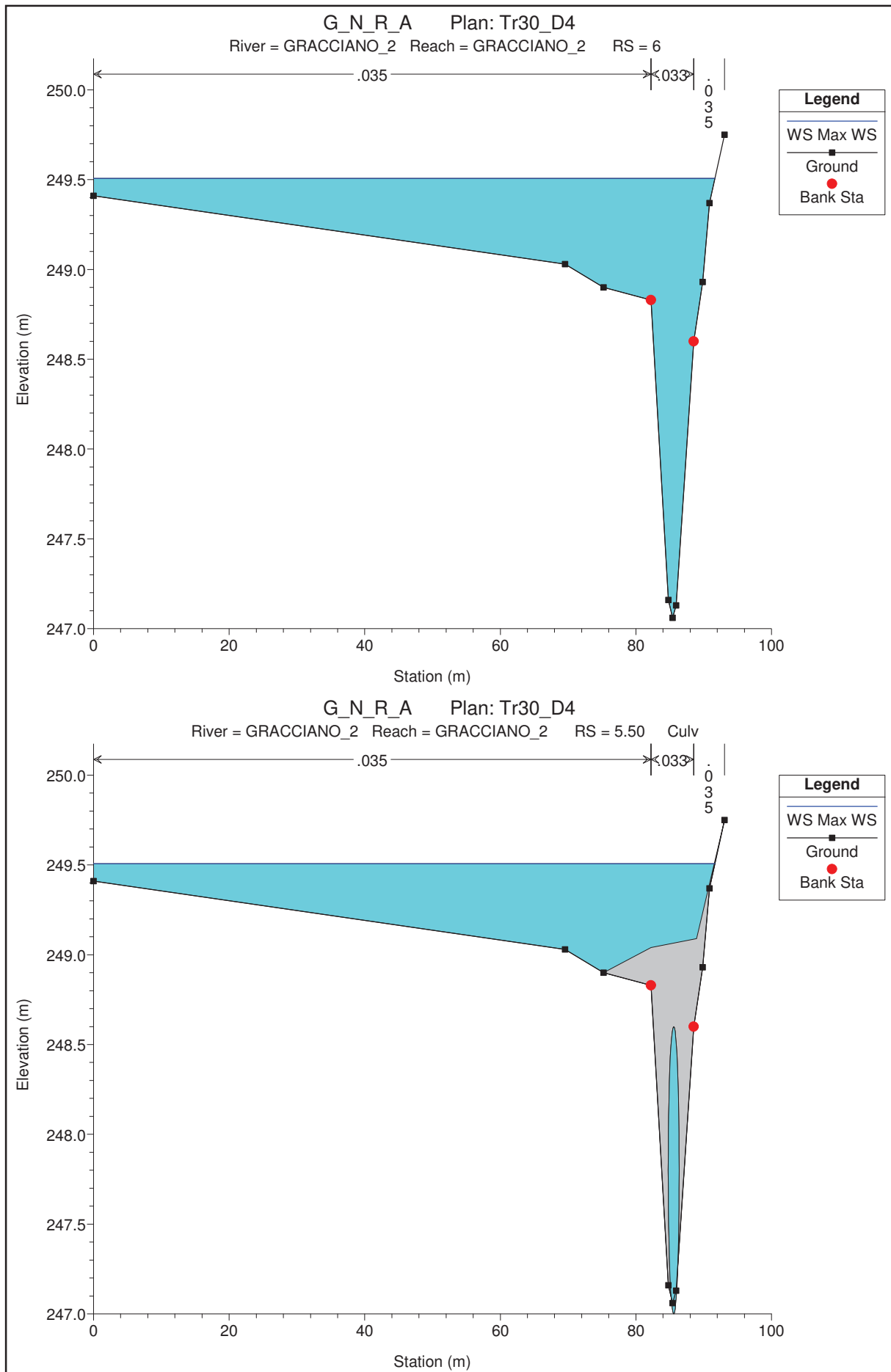


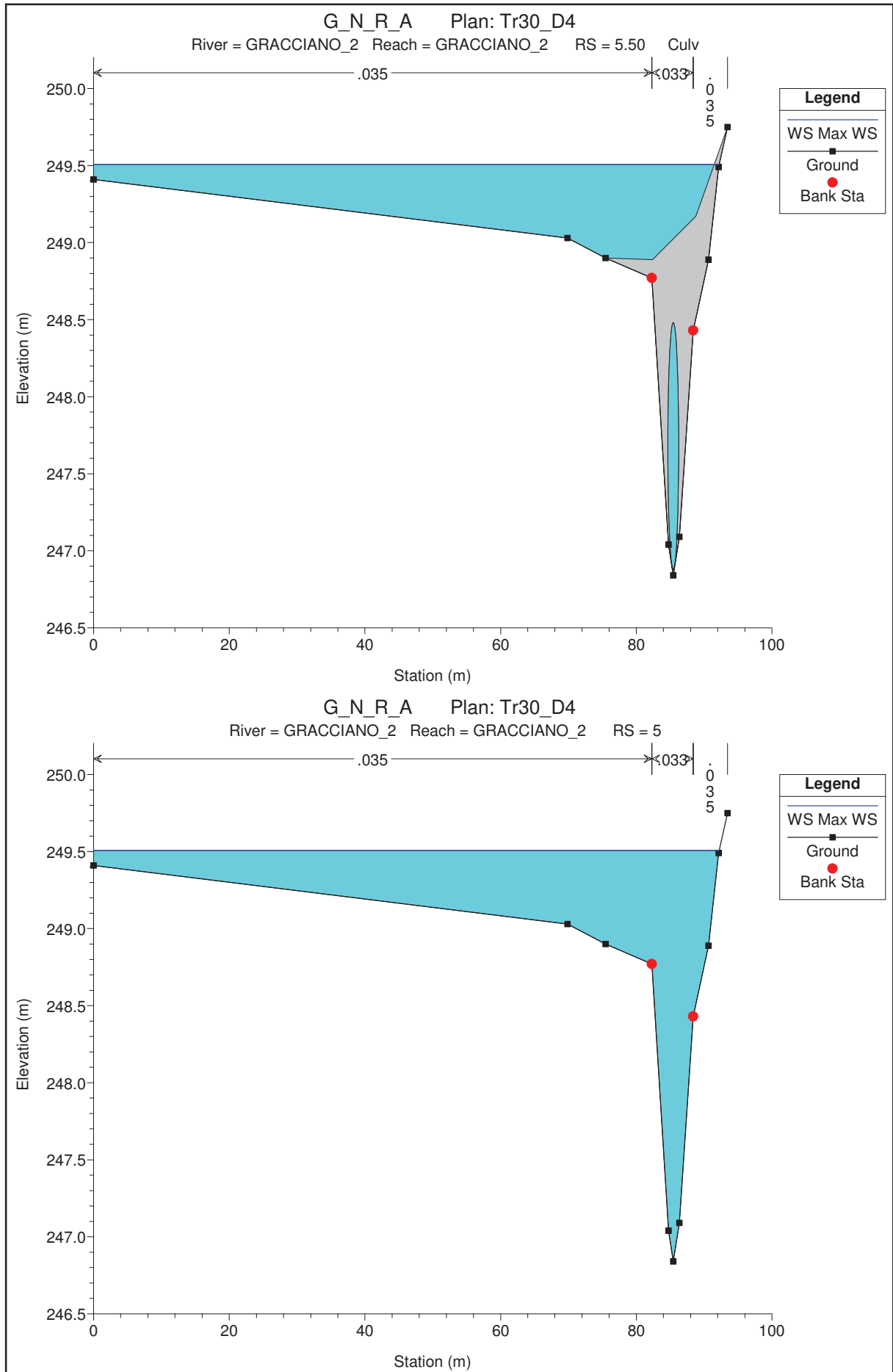


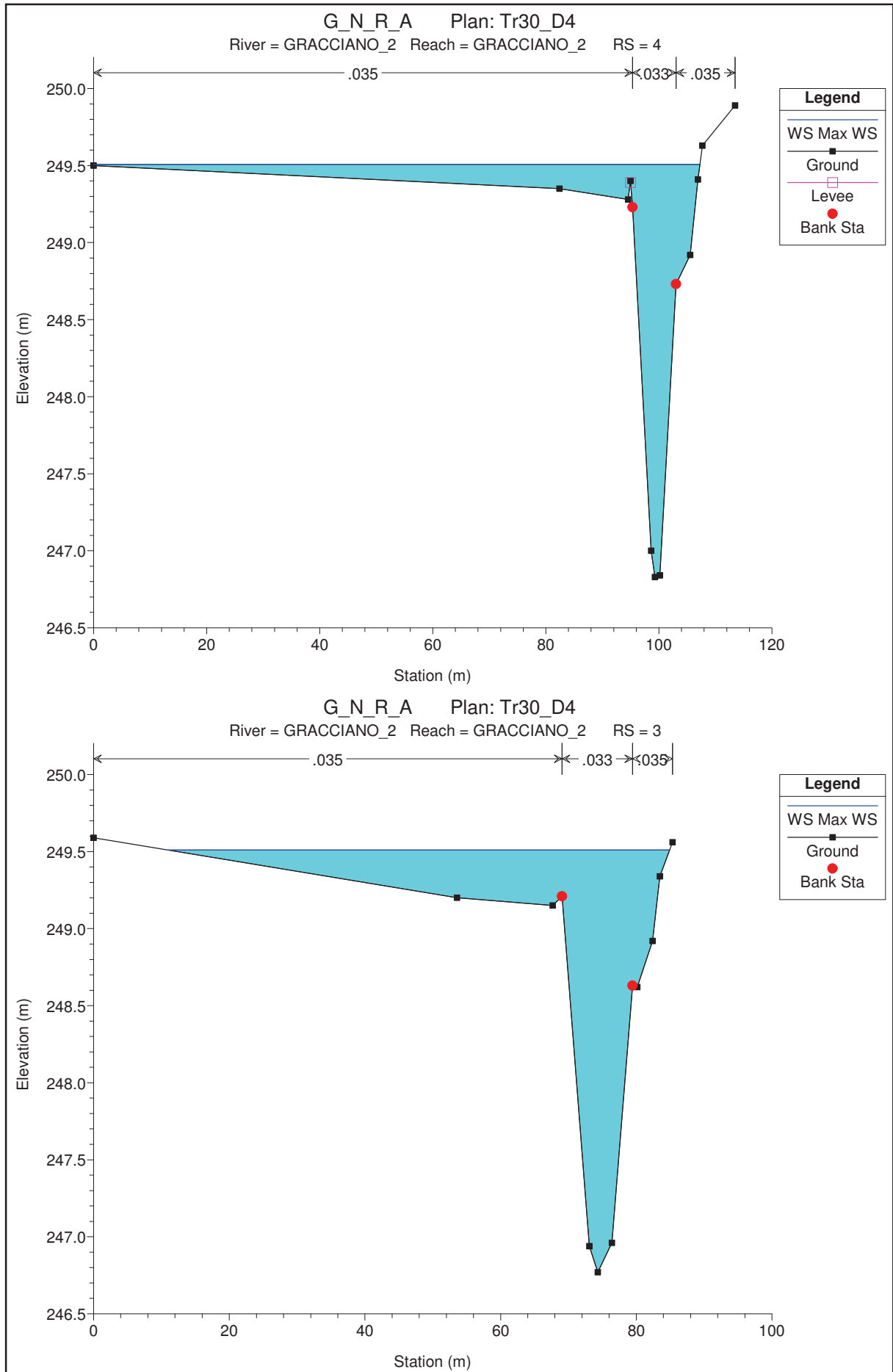


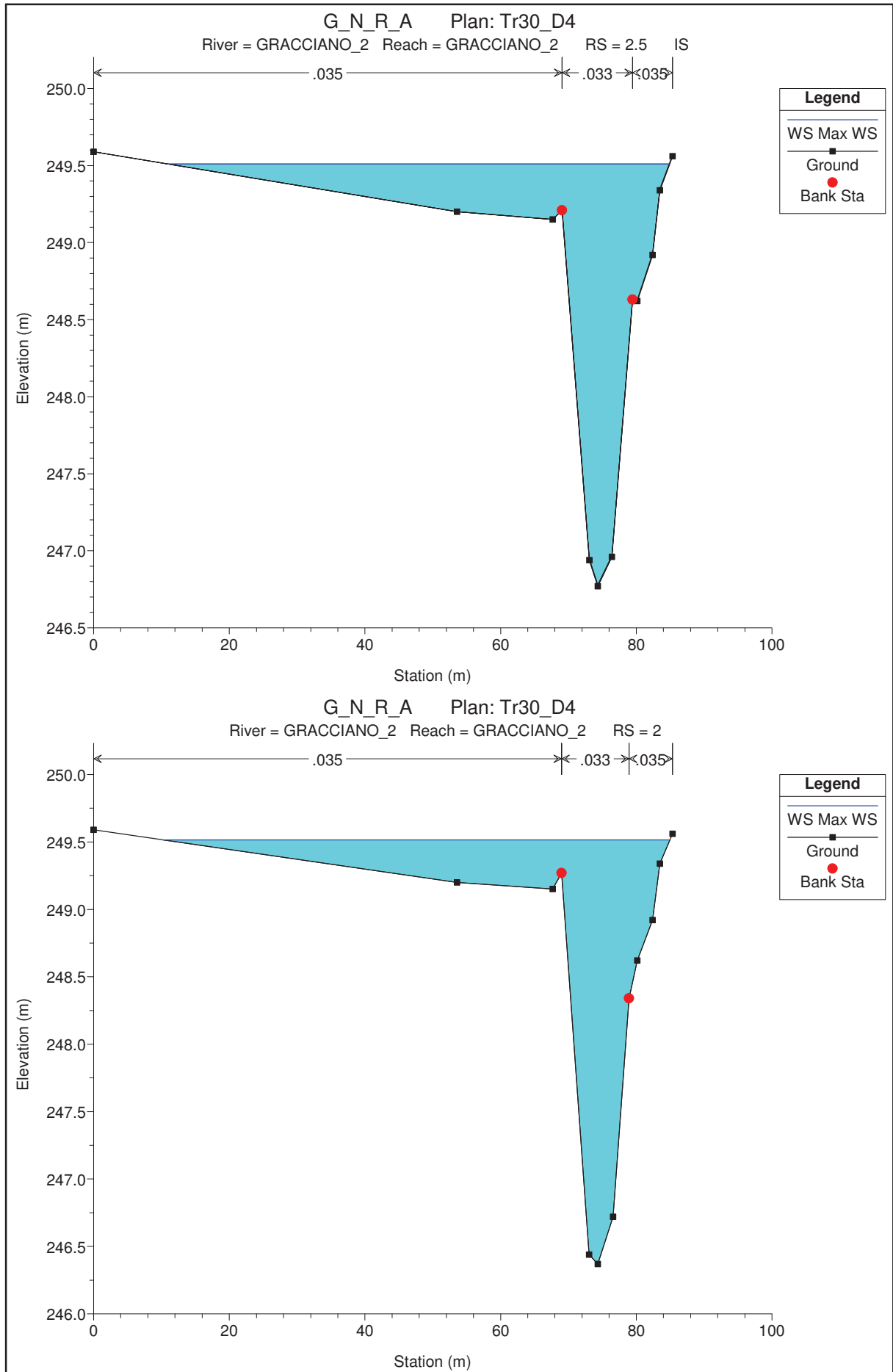


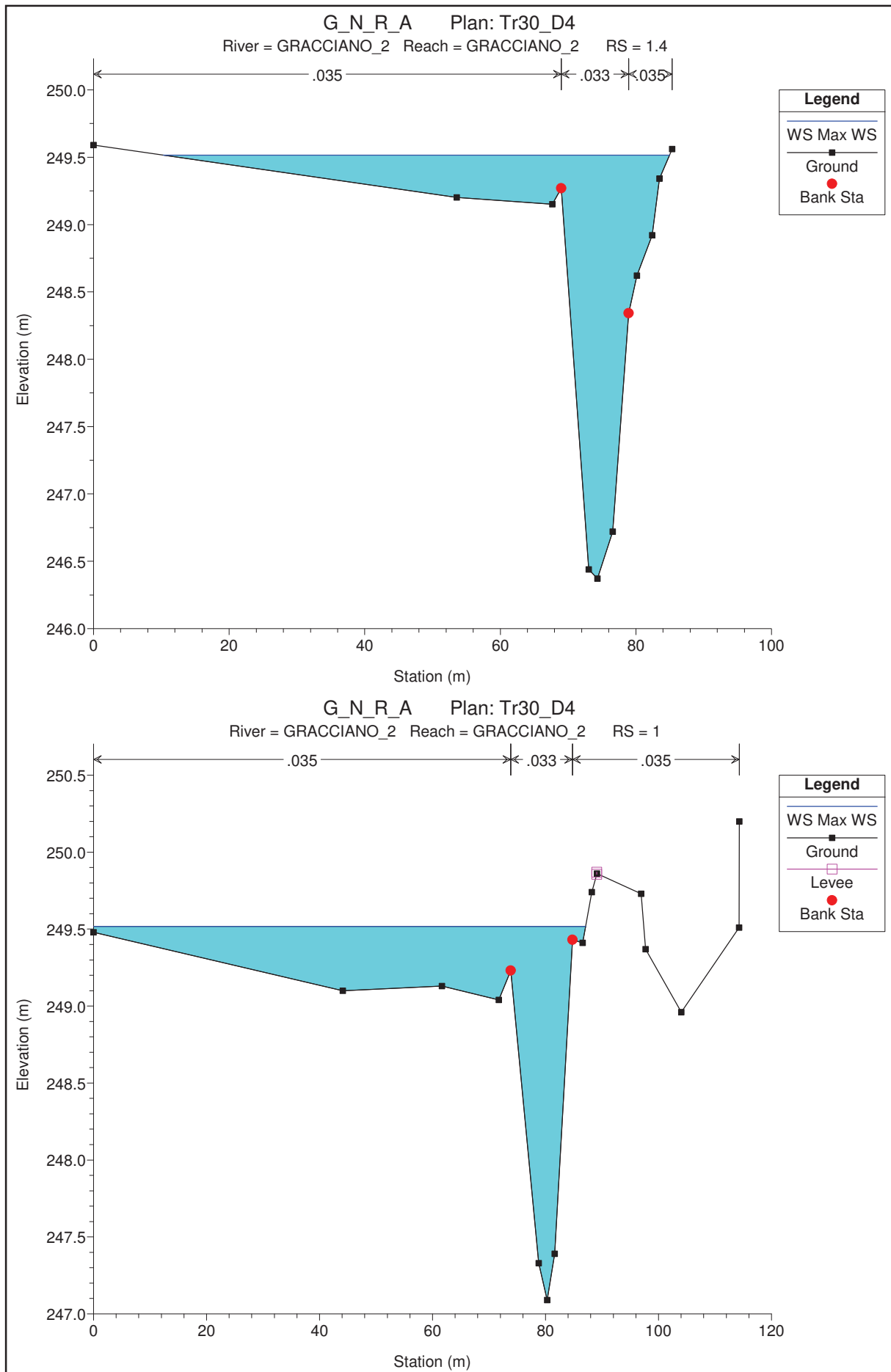


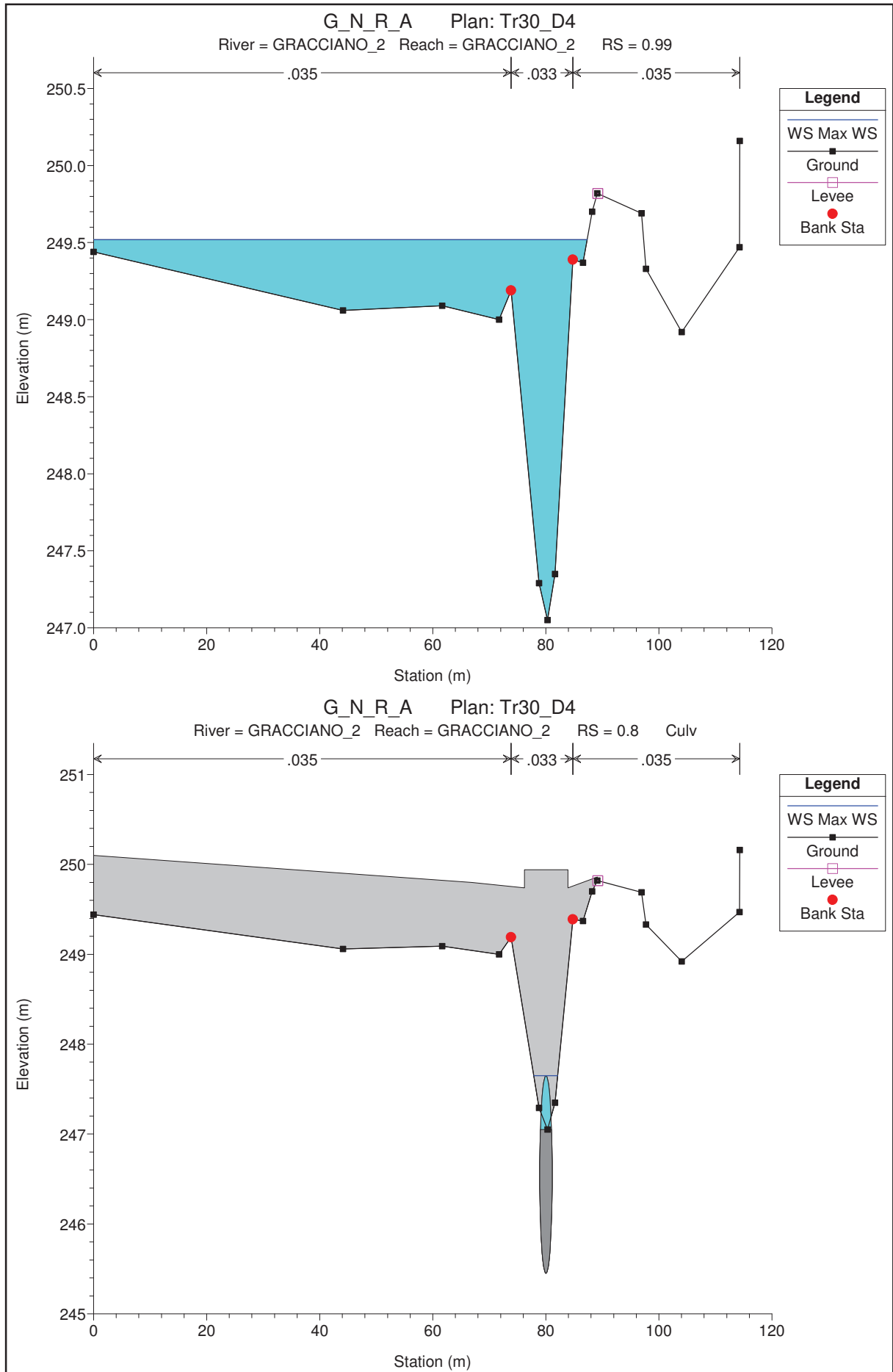


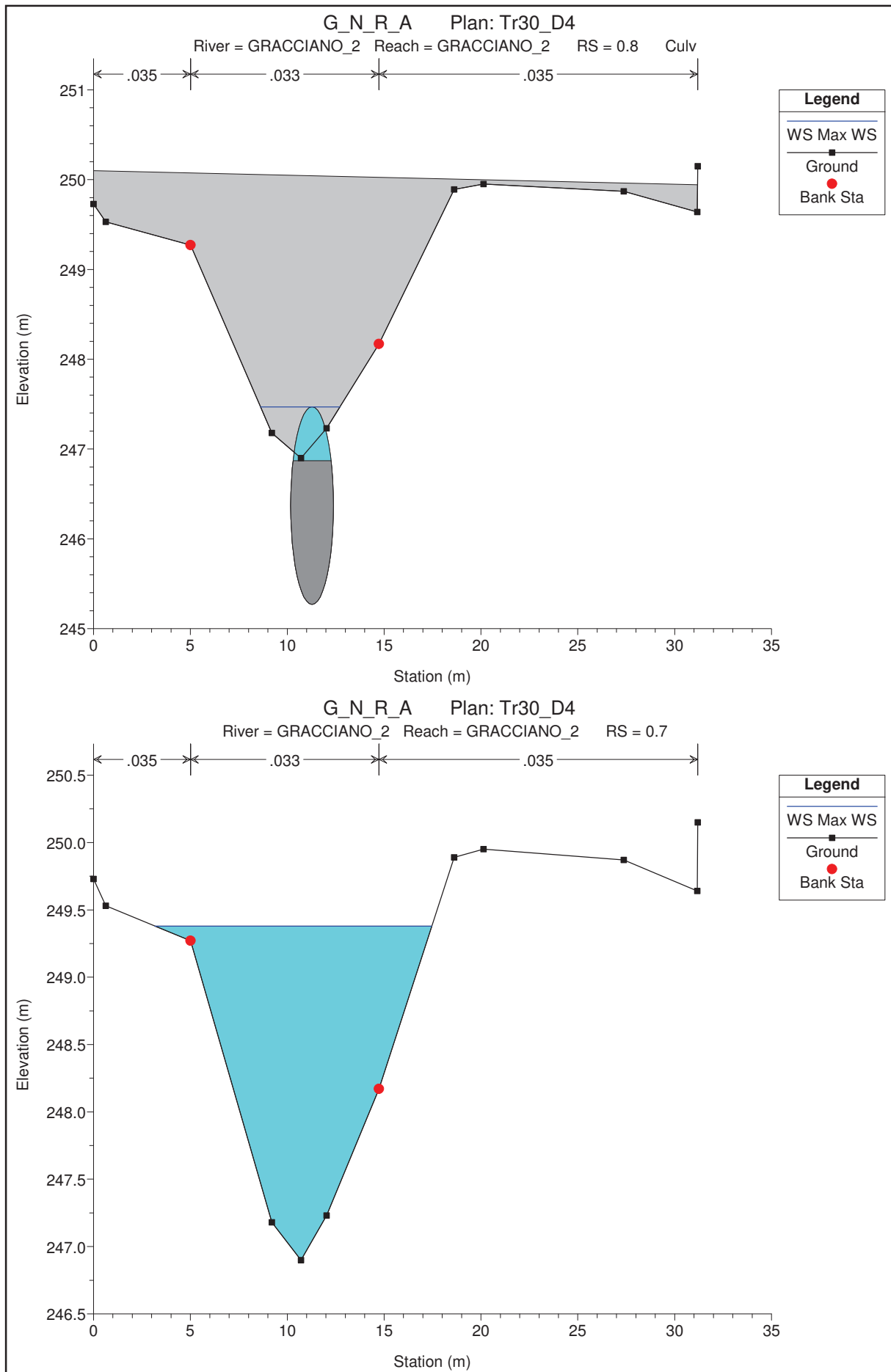


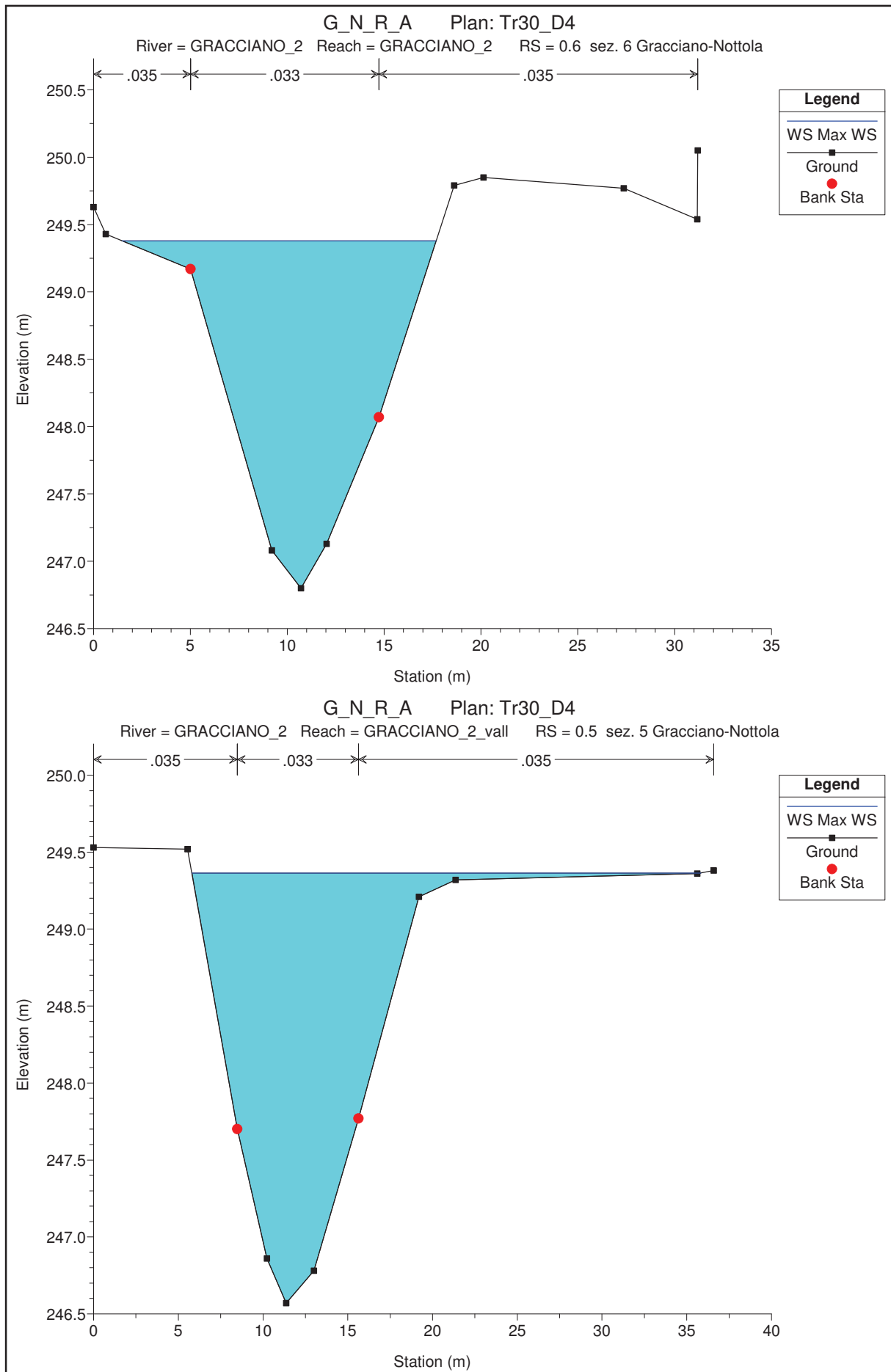


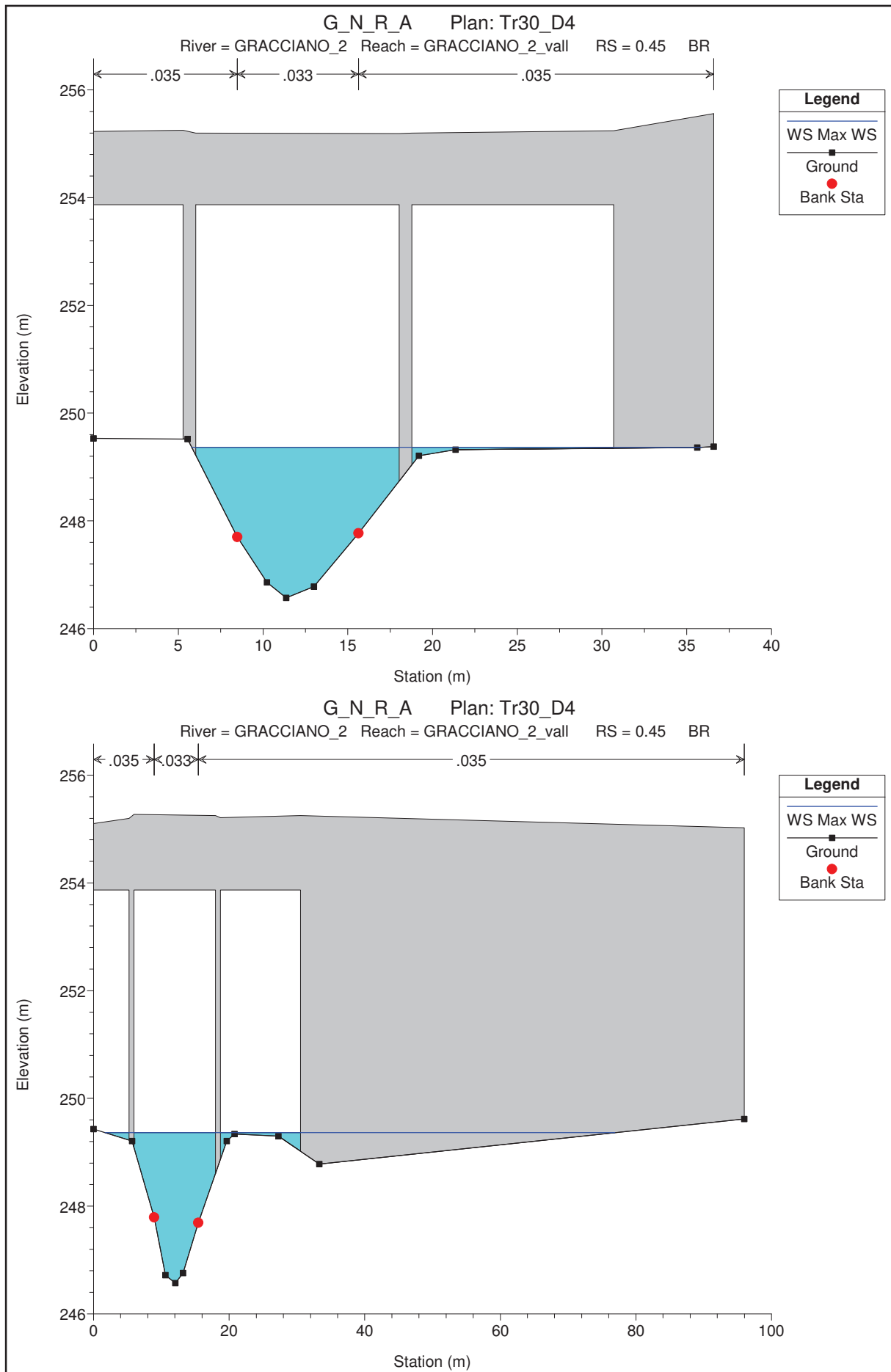


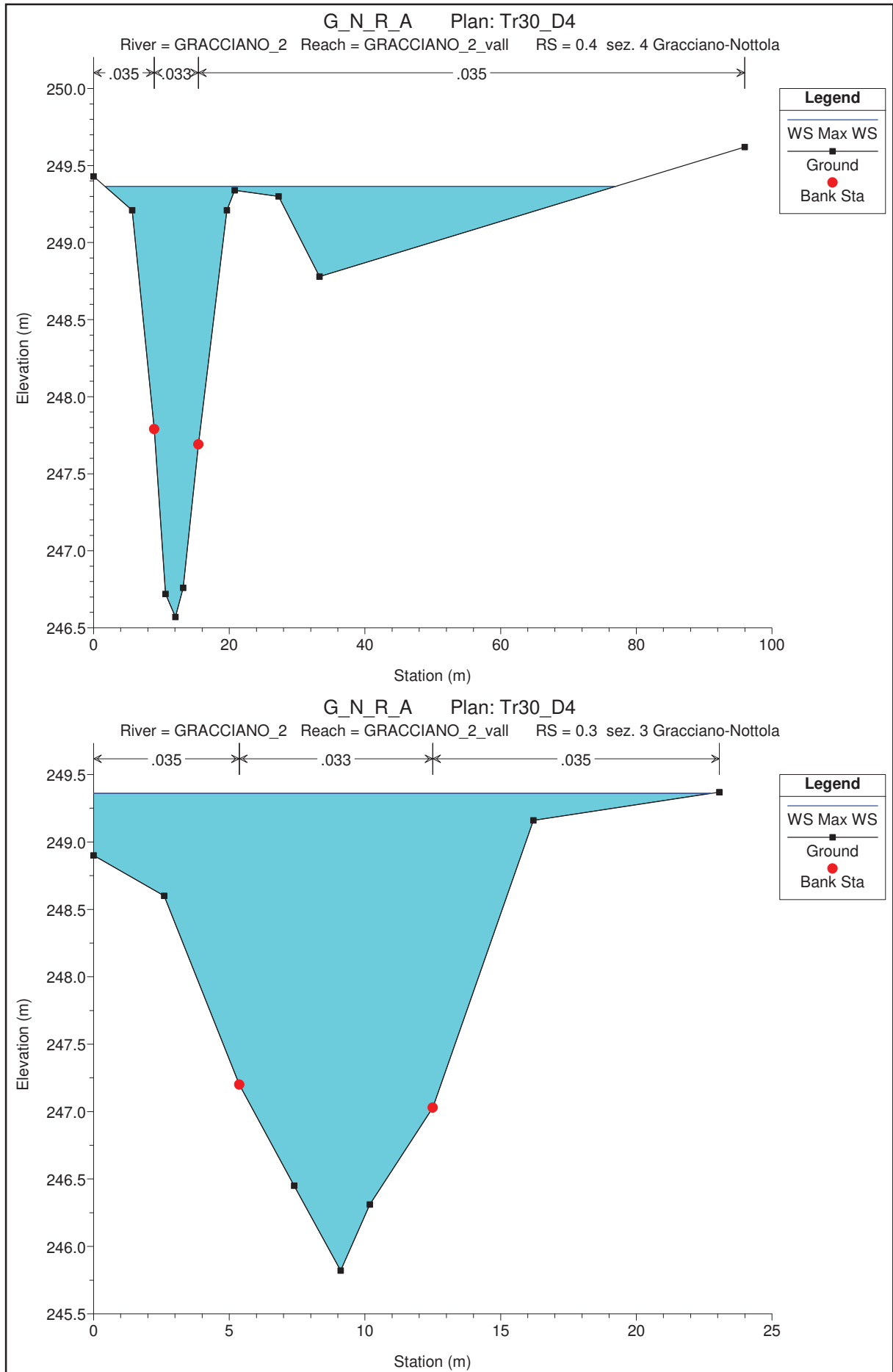














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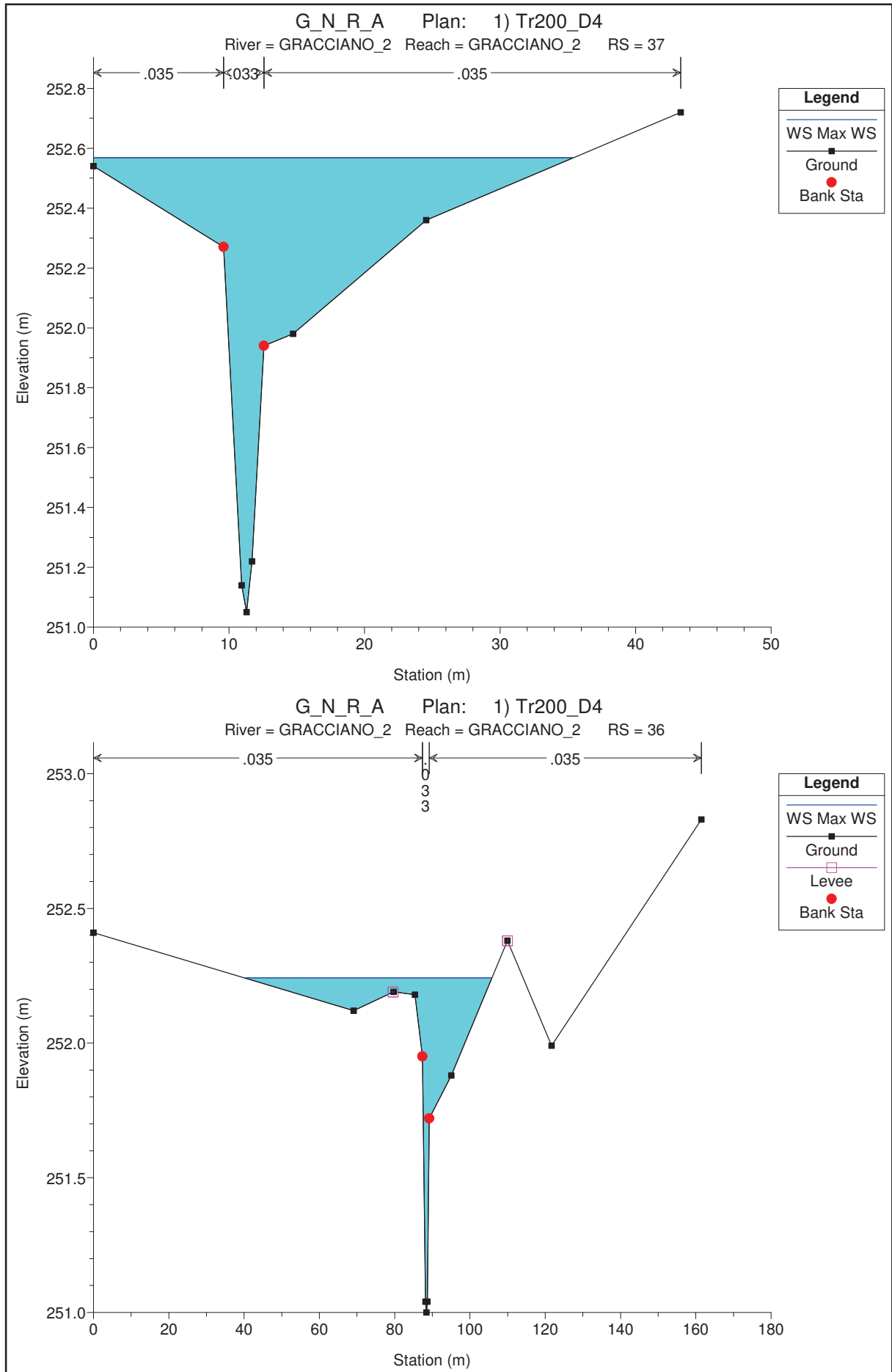
MODELLAZIONE HEC-RAS 5.0.3 "Montepulciano stazione valle"

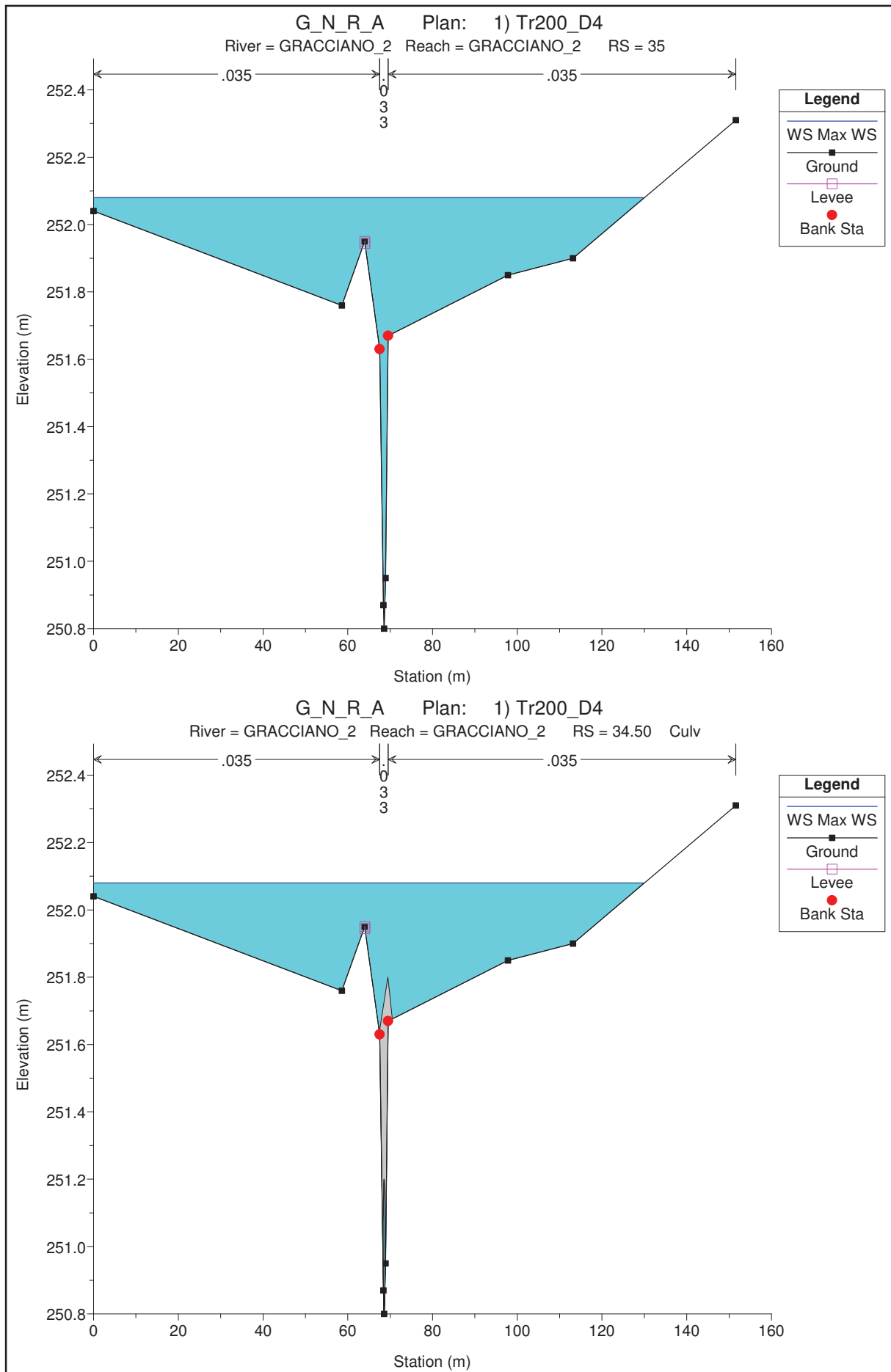
DOCCIA DI GRACCIANO

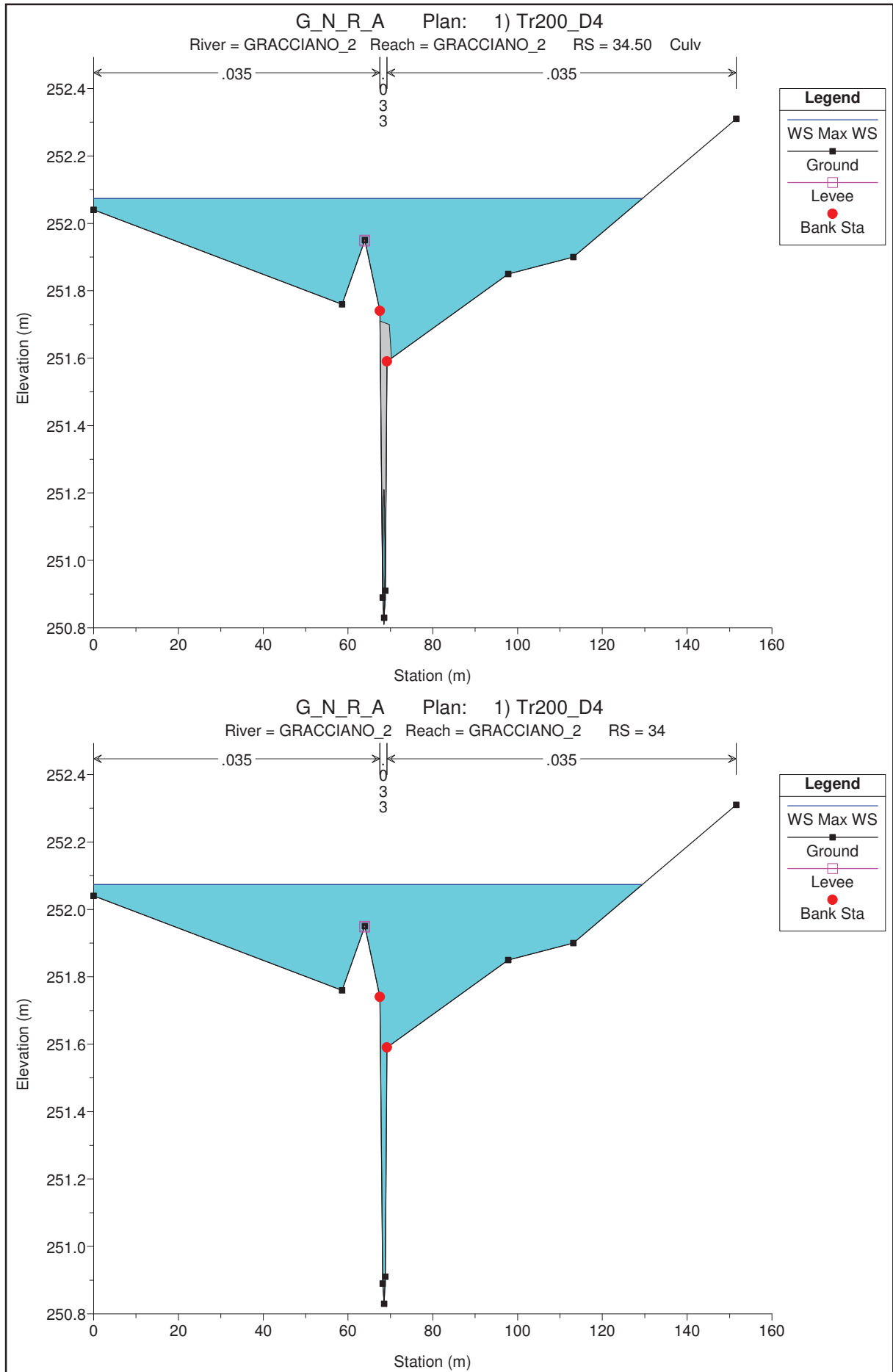
MODELLAZIONE PER TR=200 anni

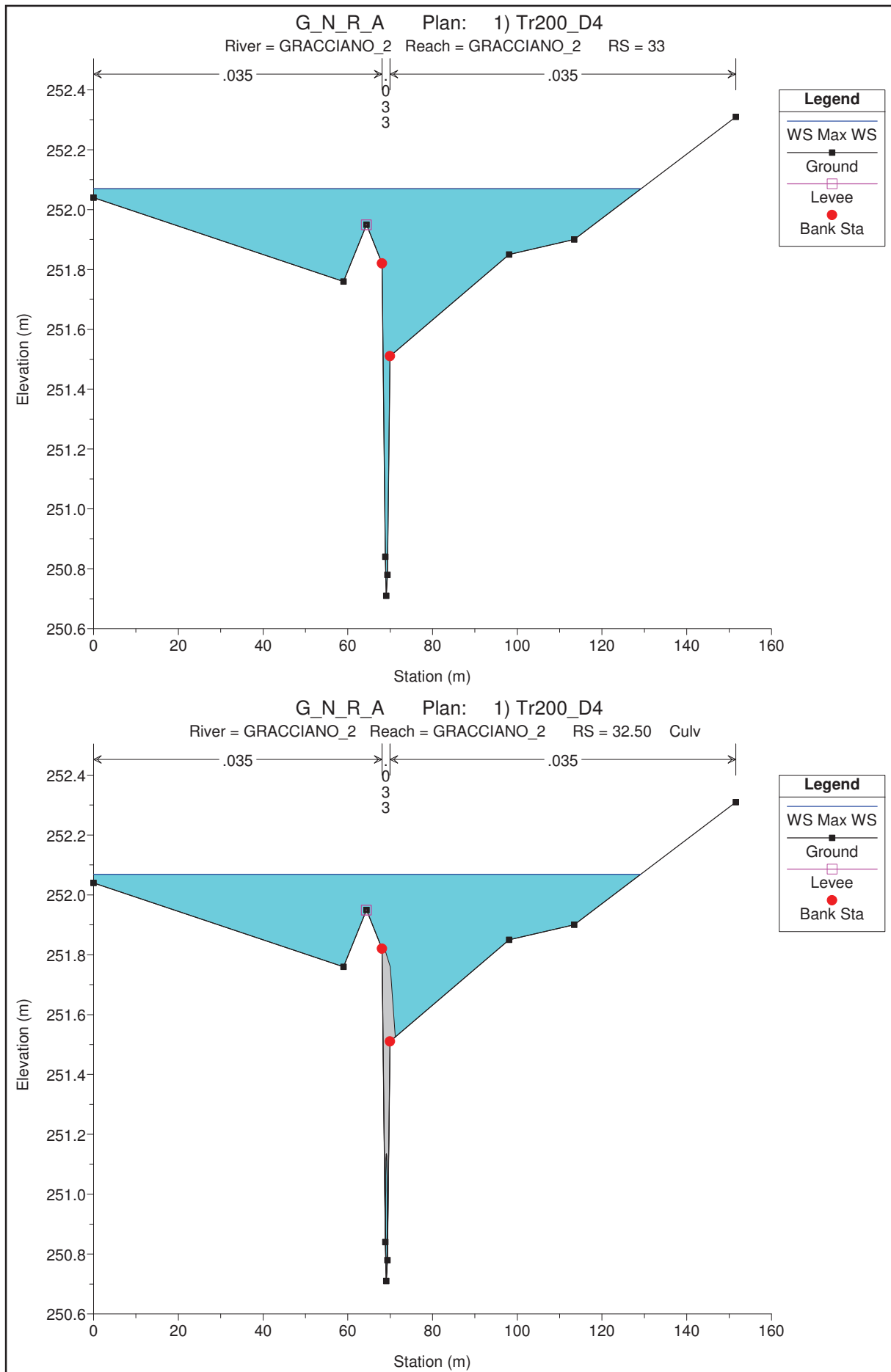
DURATE DI PIOGGIA: 4h

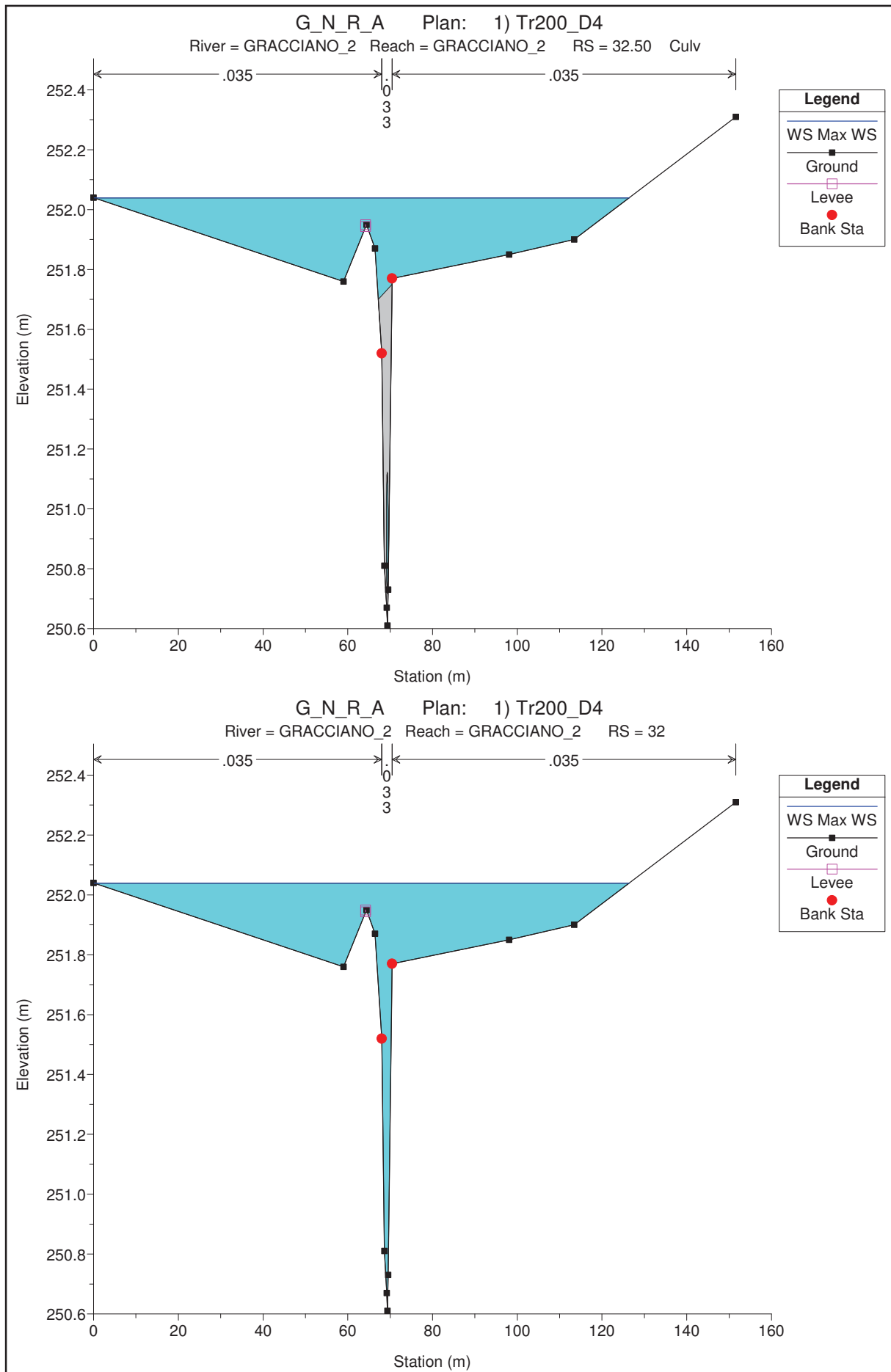
Sezioni Trasversali (da monte verso valle)

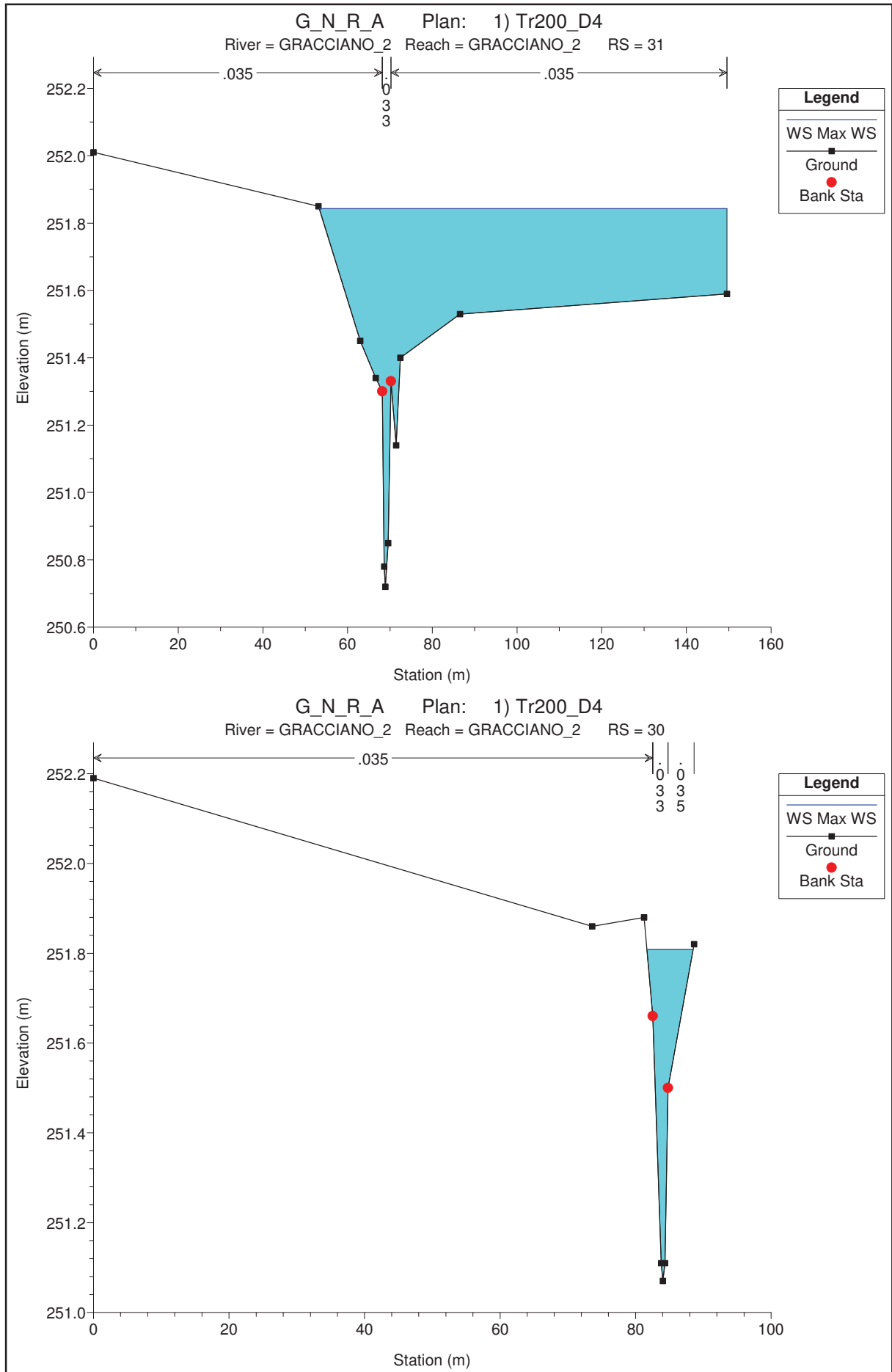


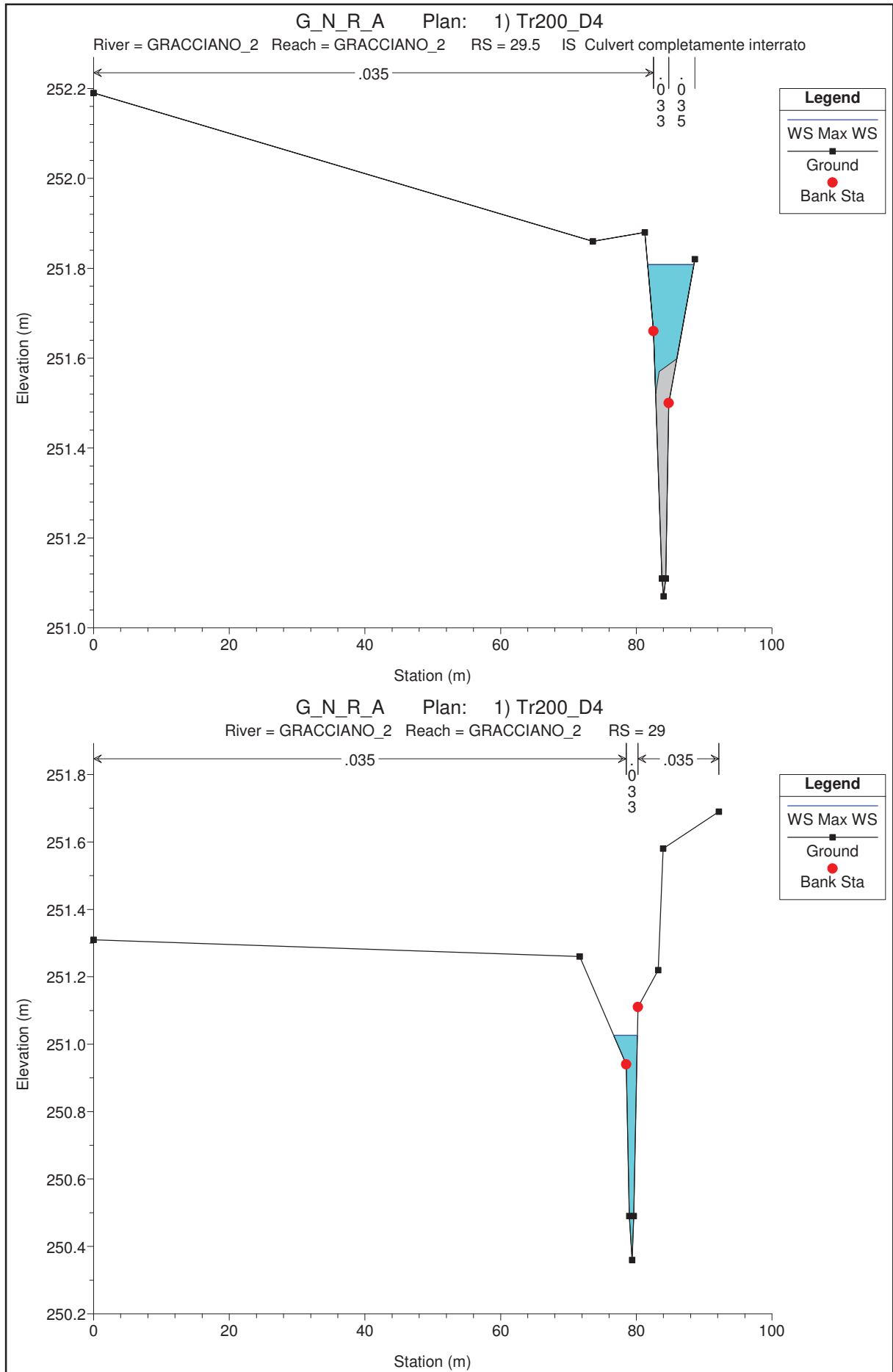


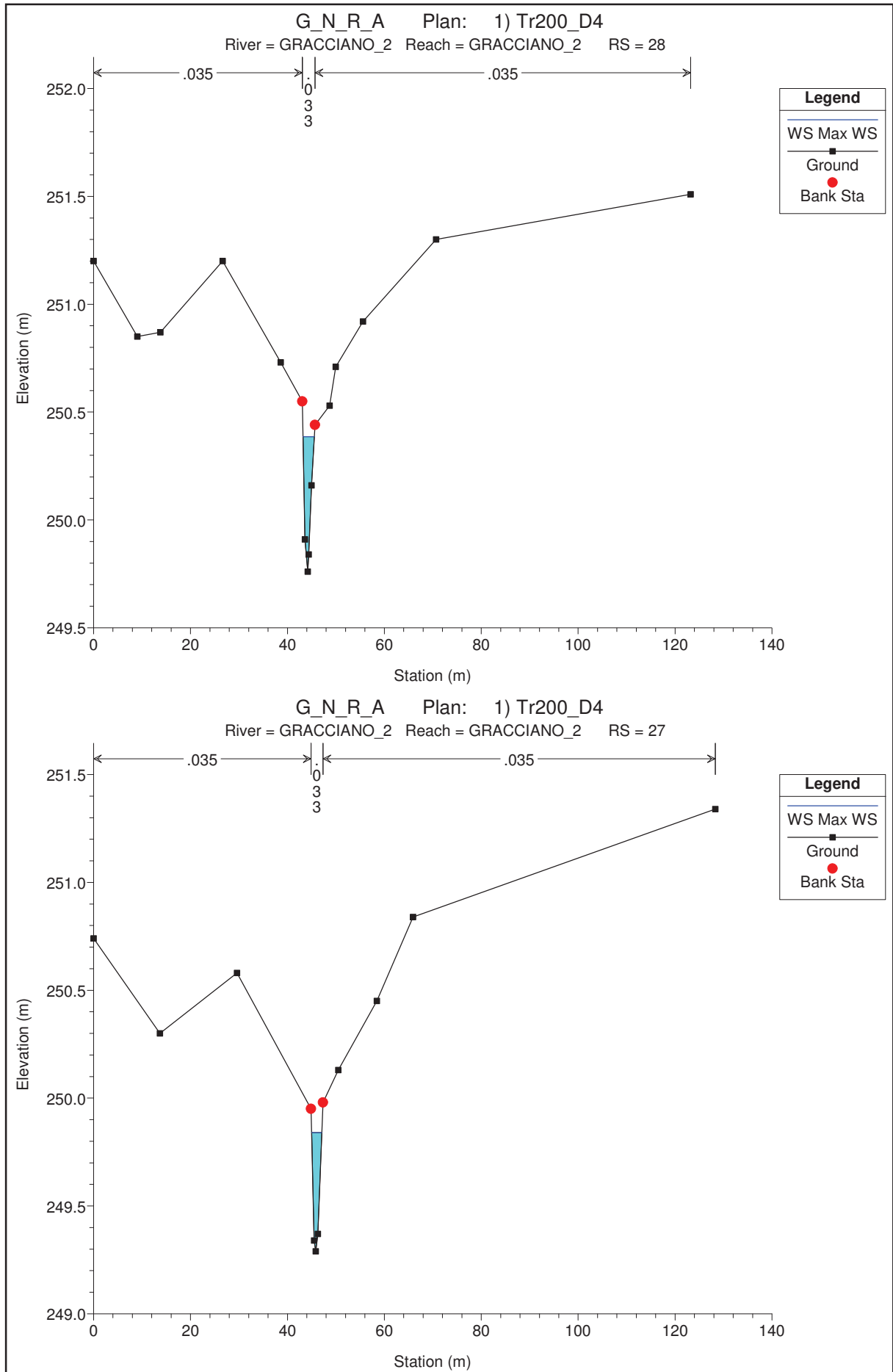


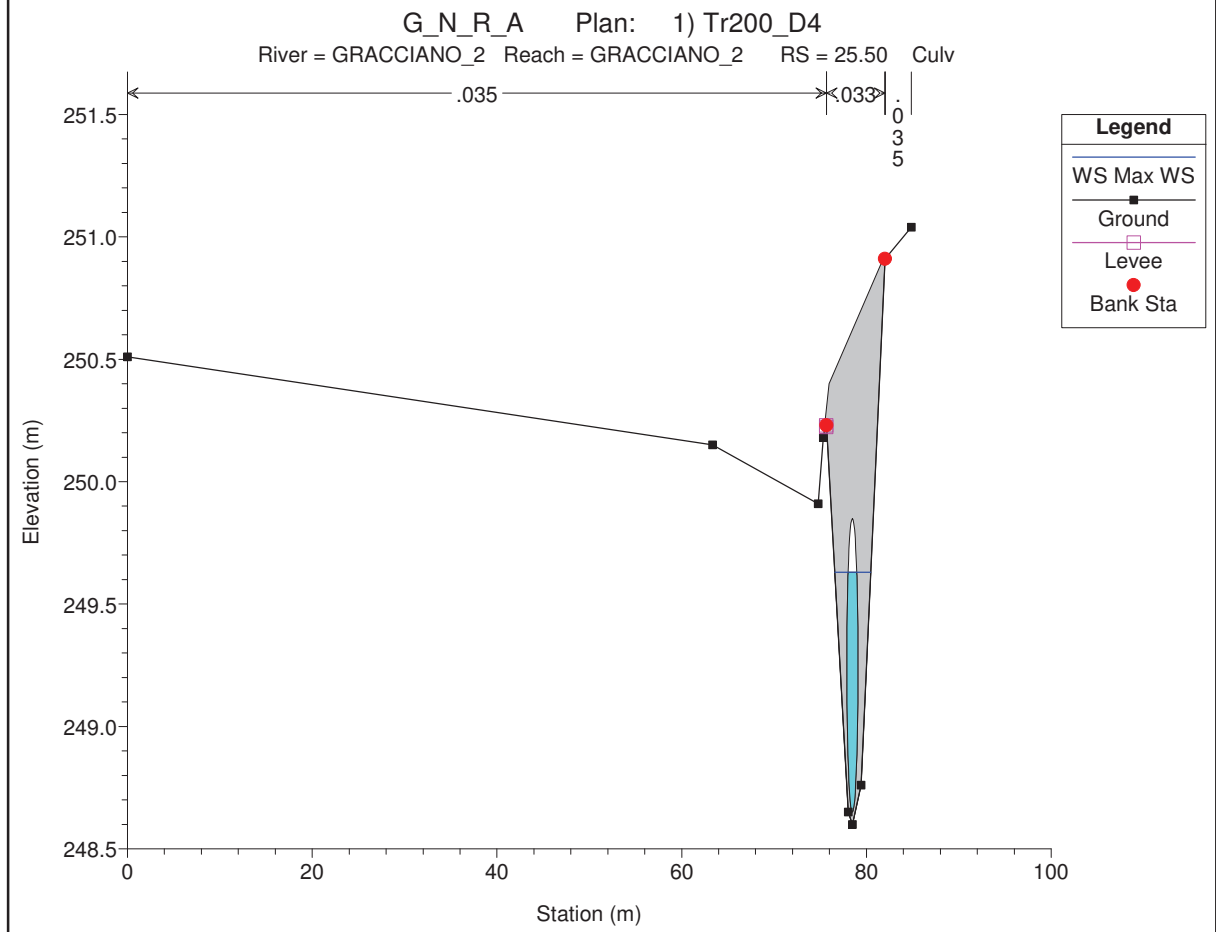
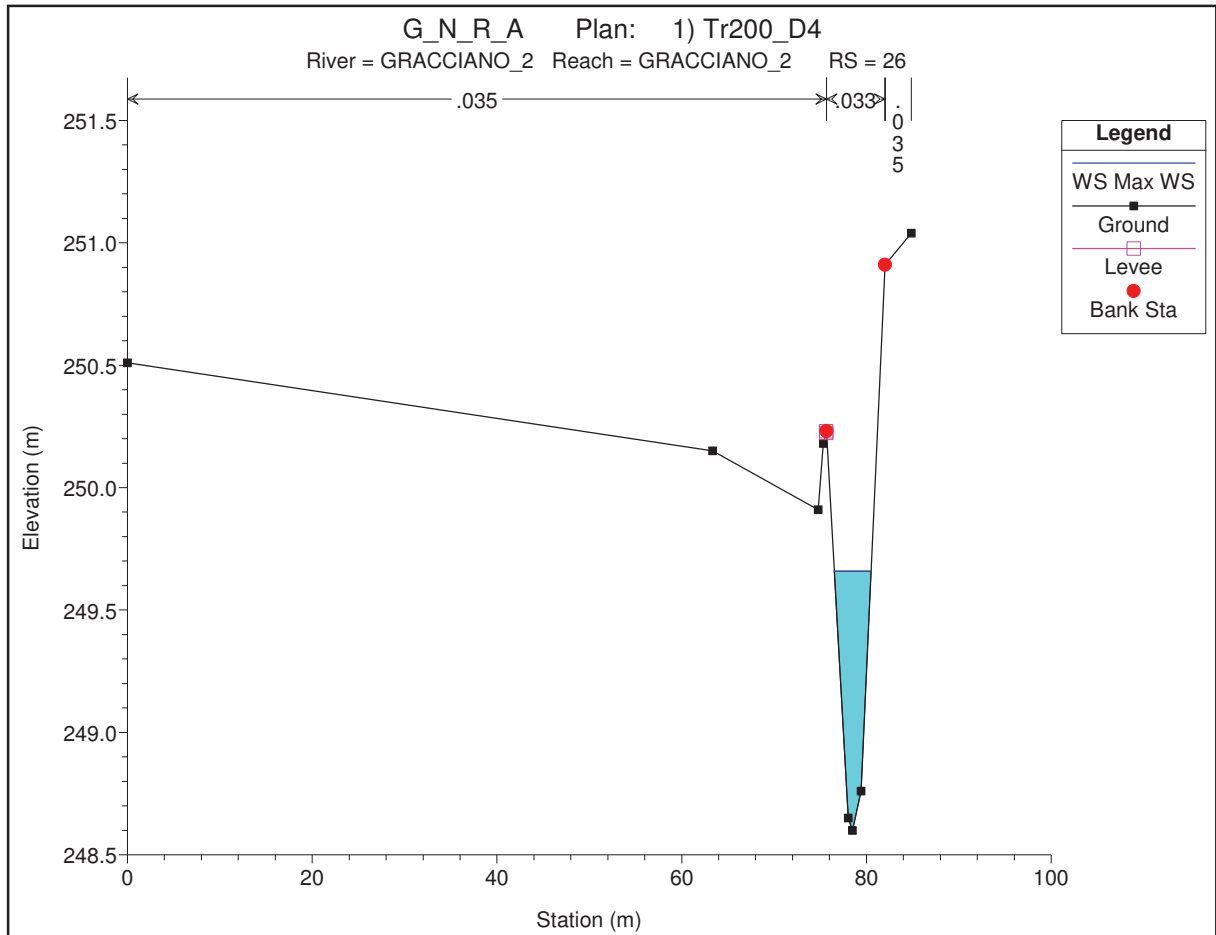


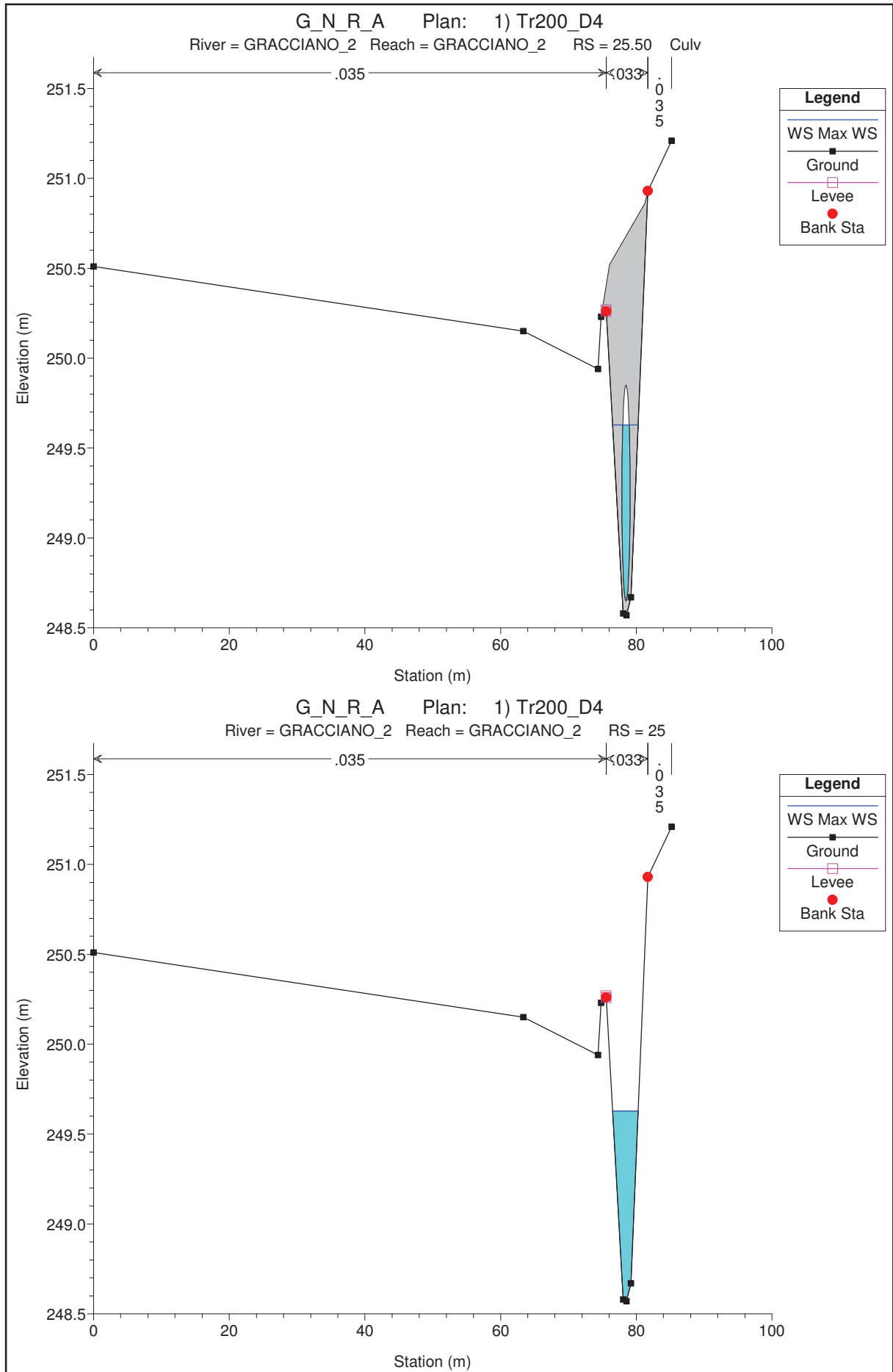


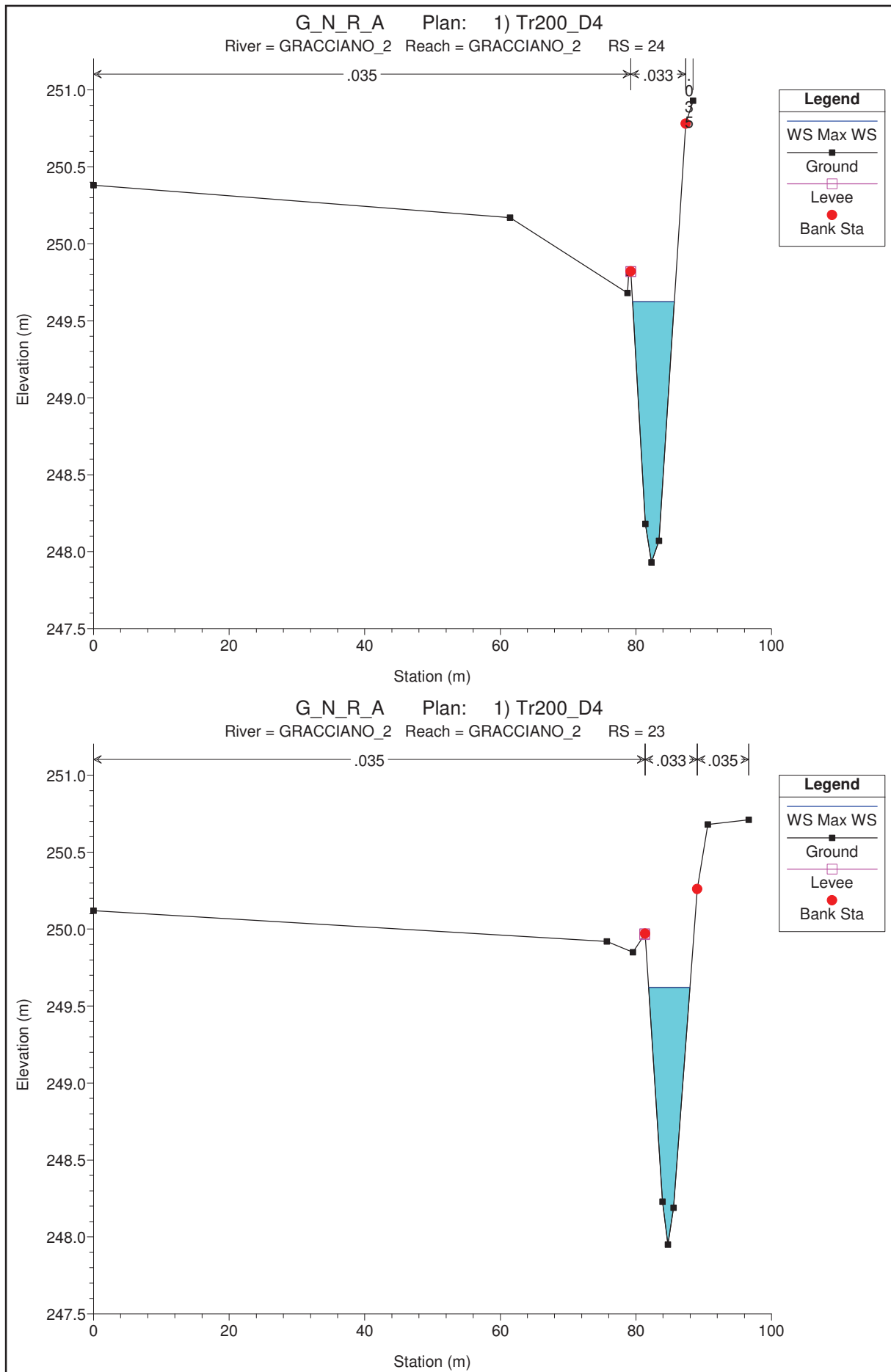


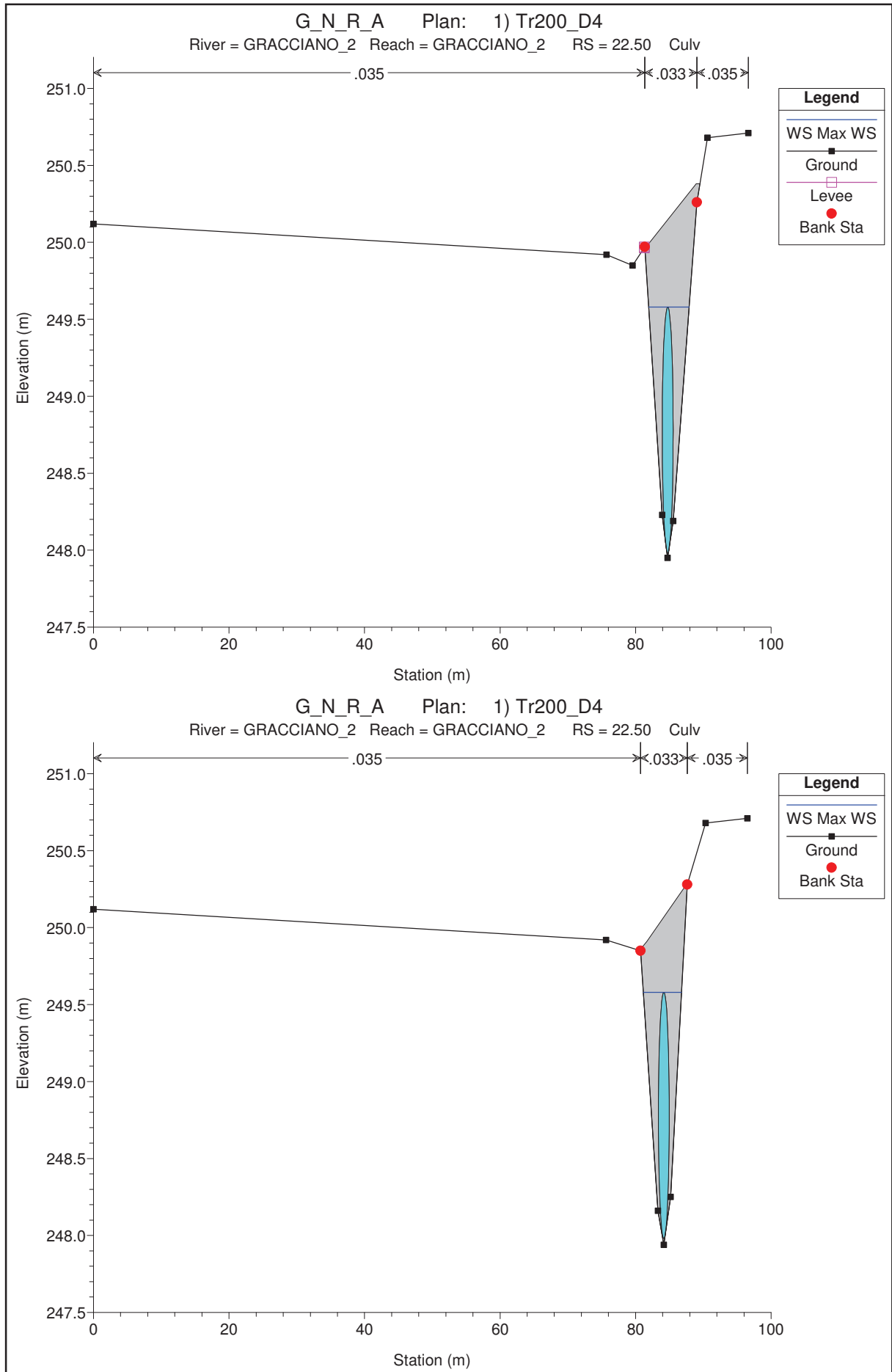


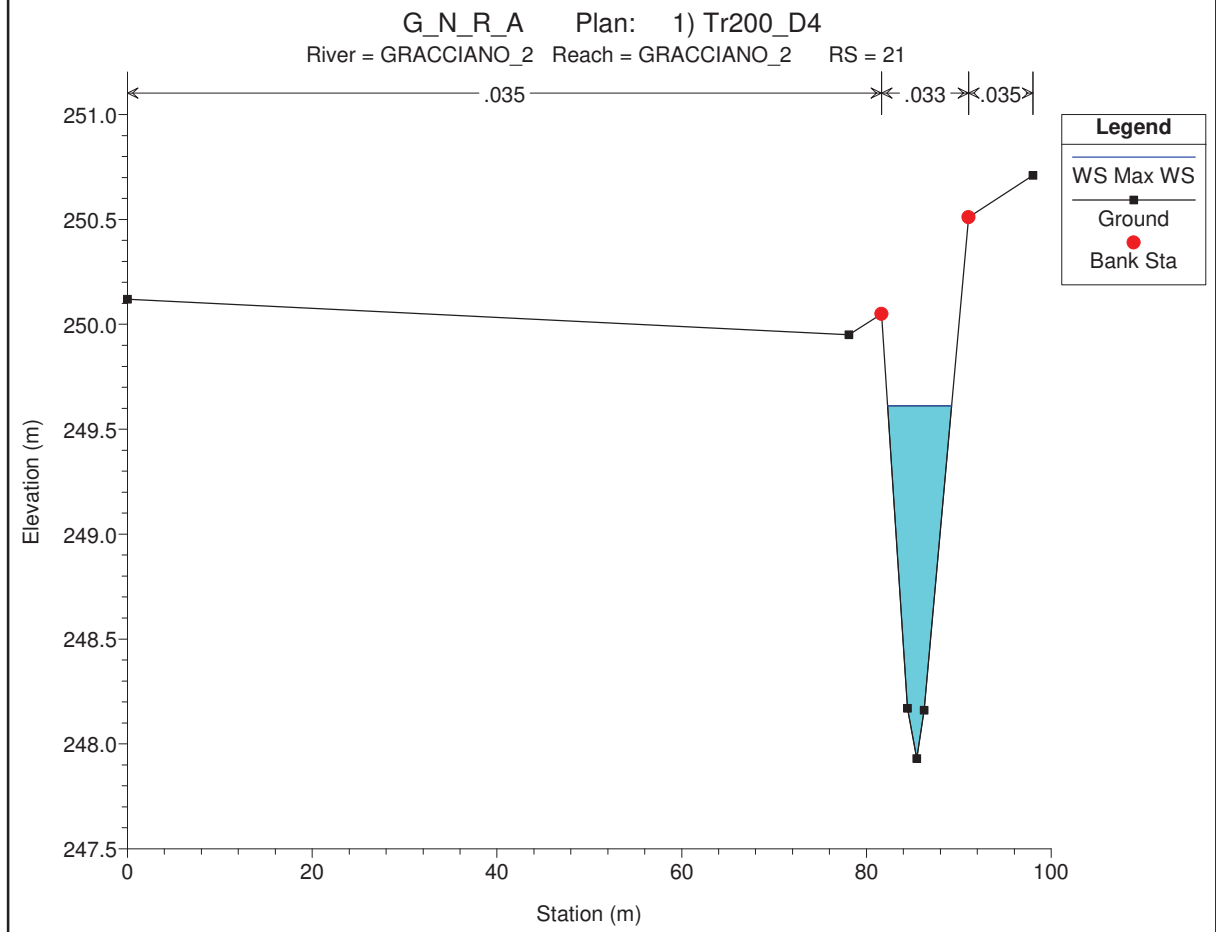
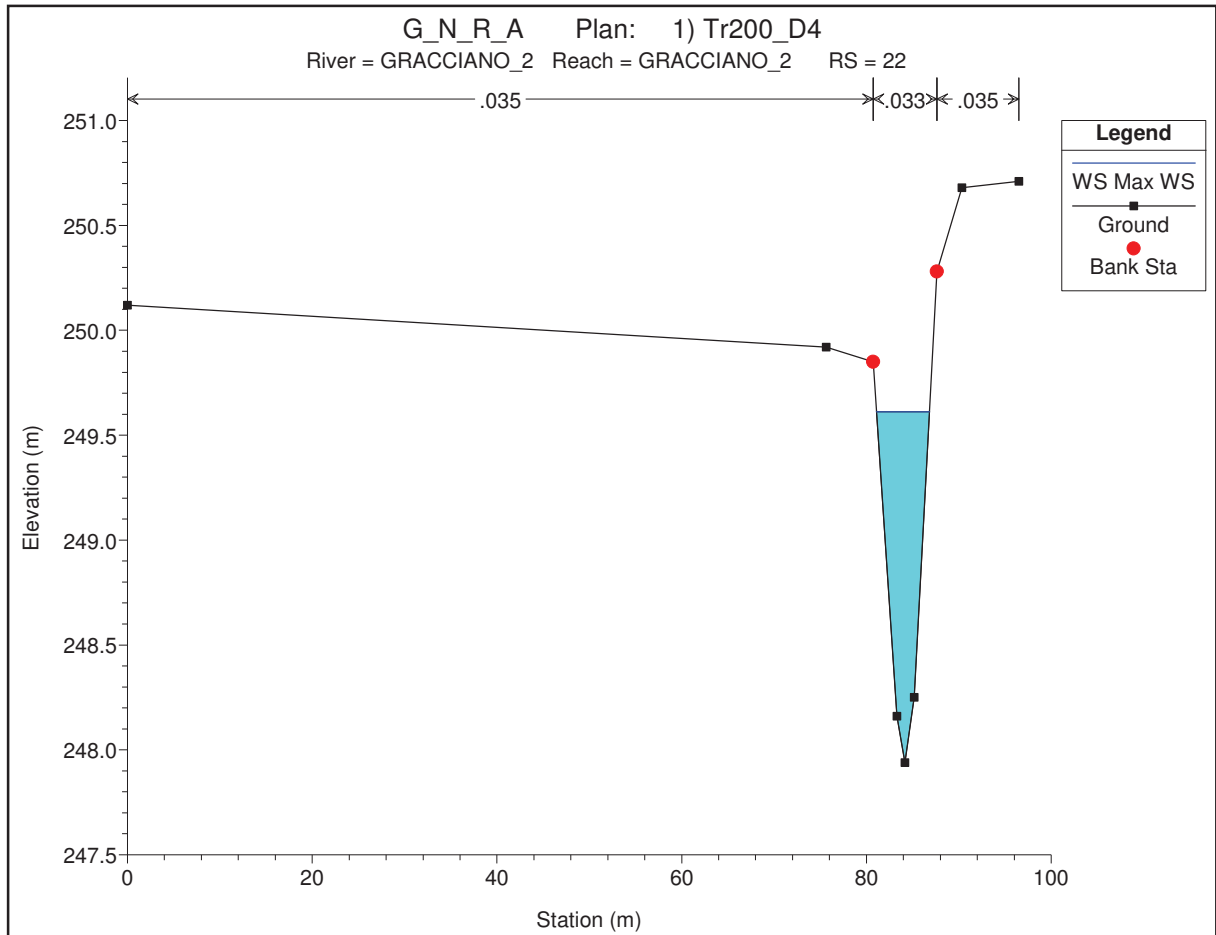


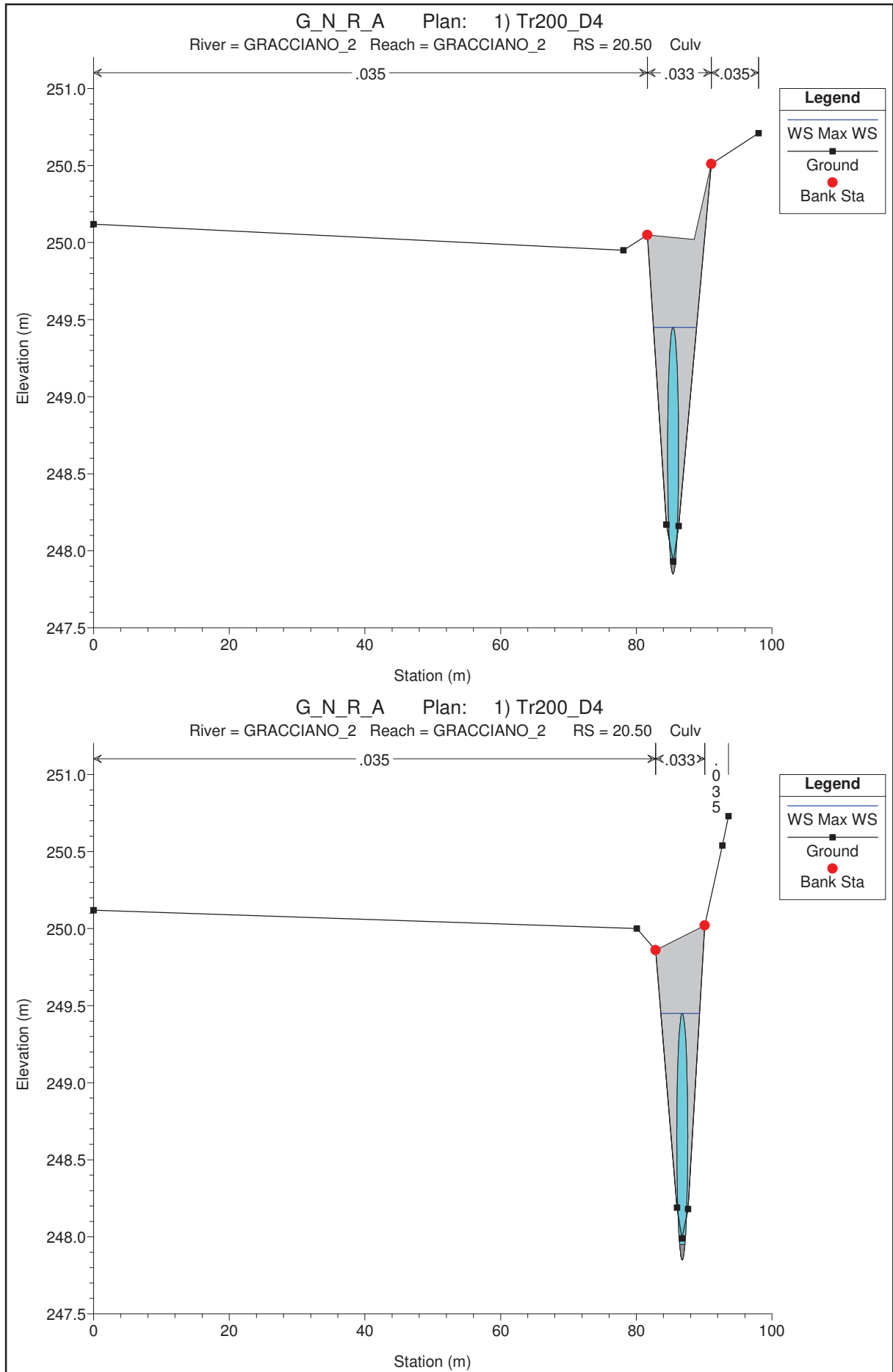


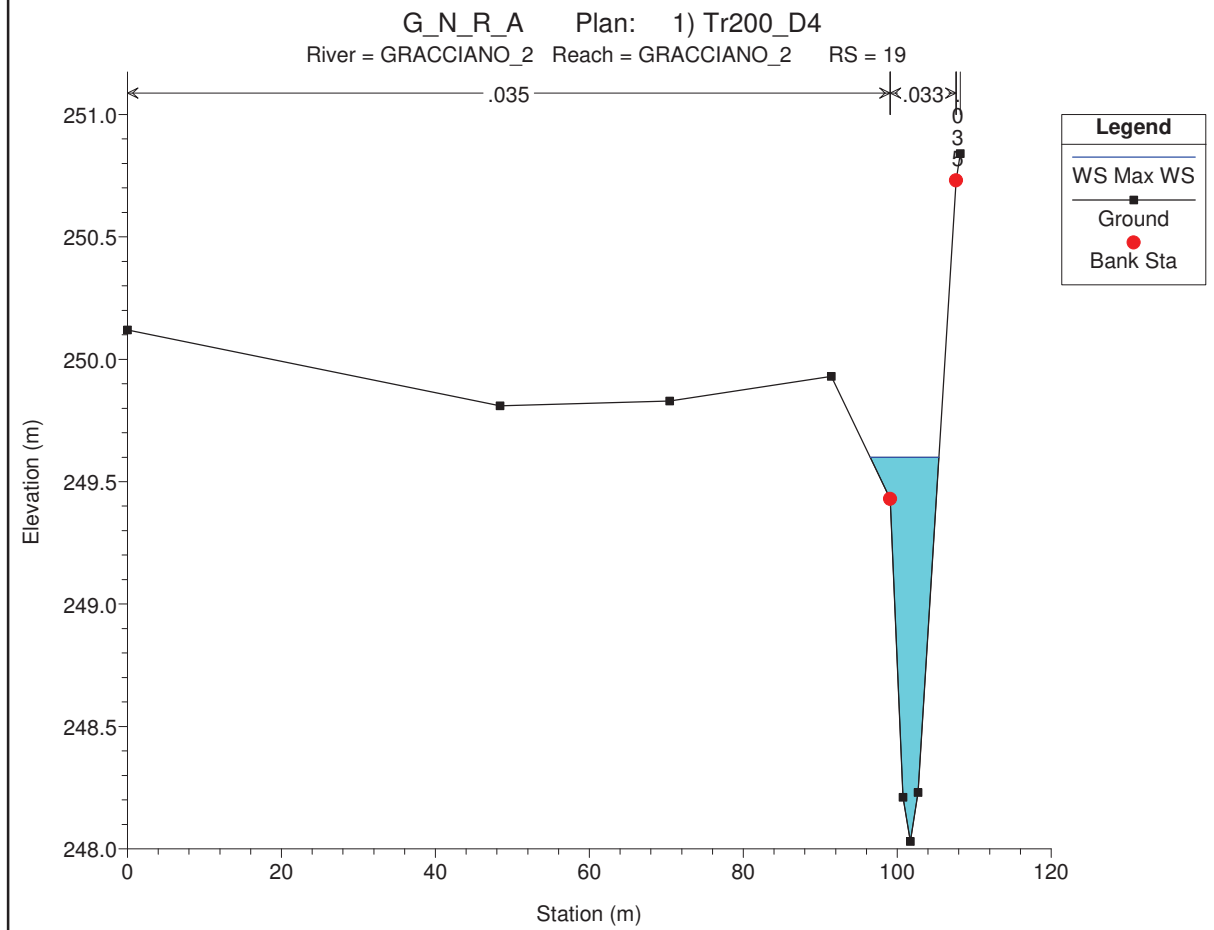
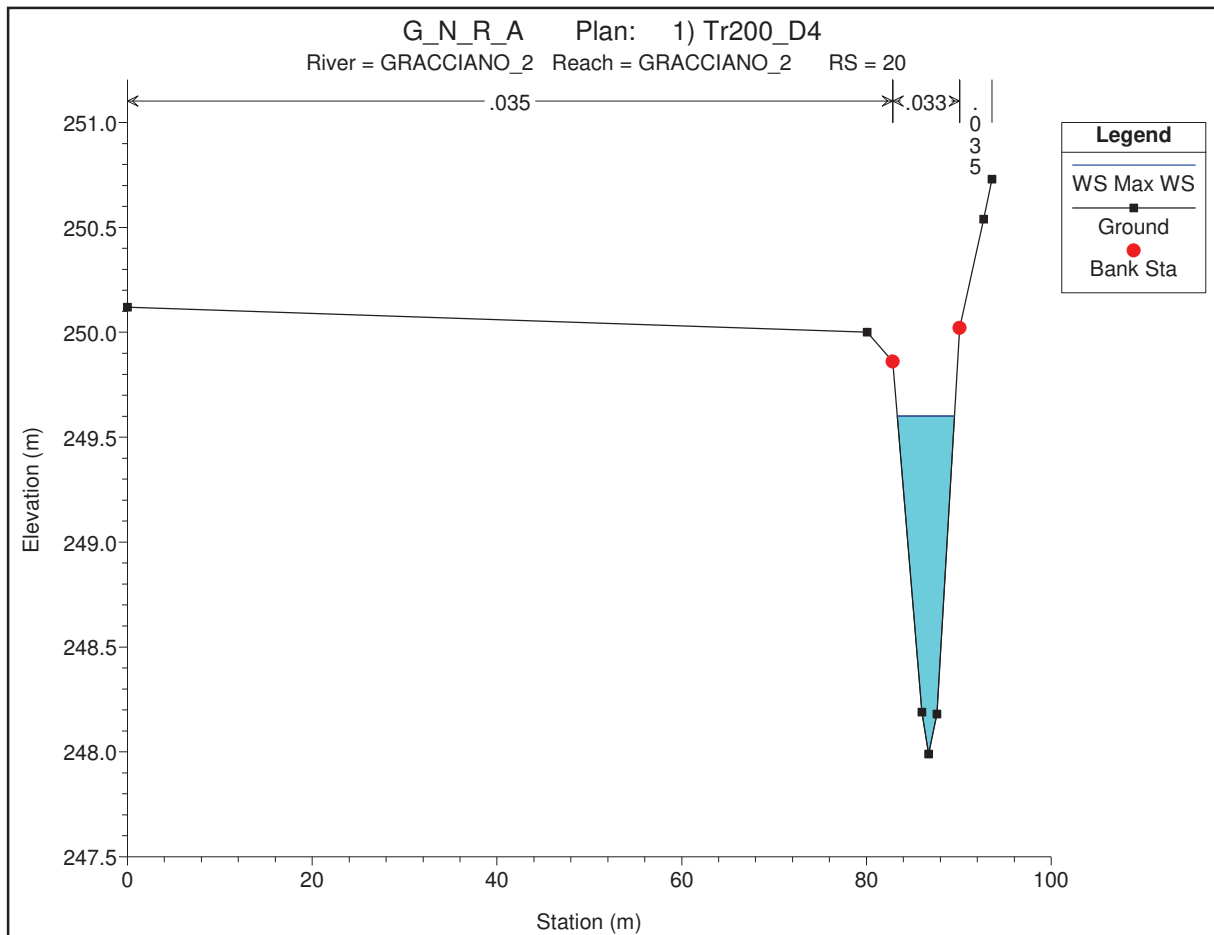


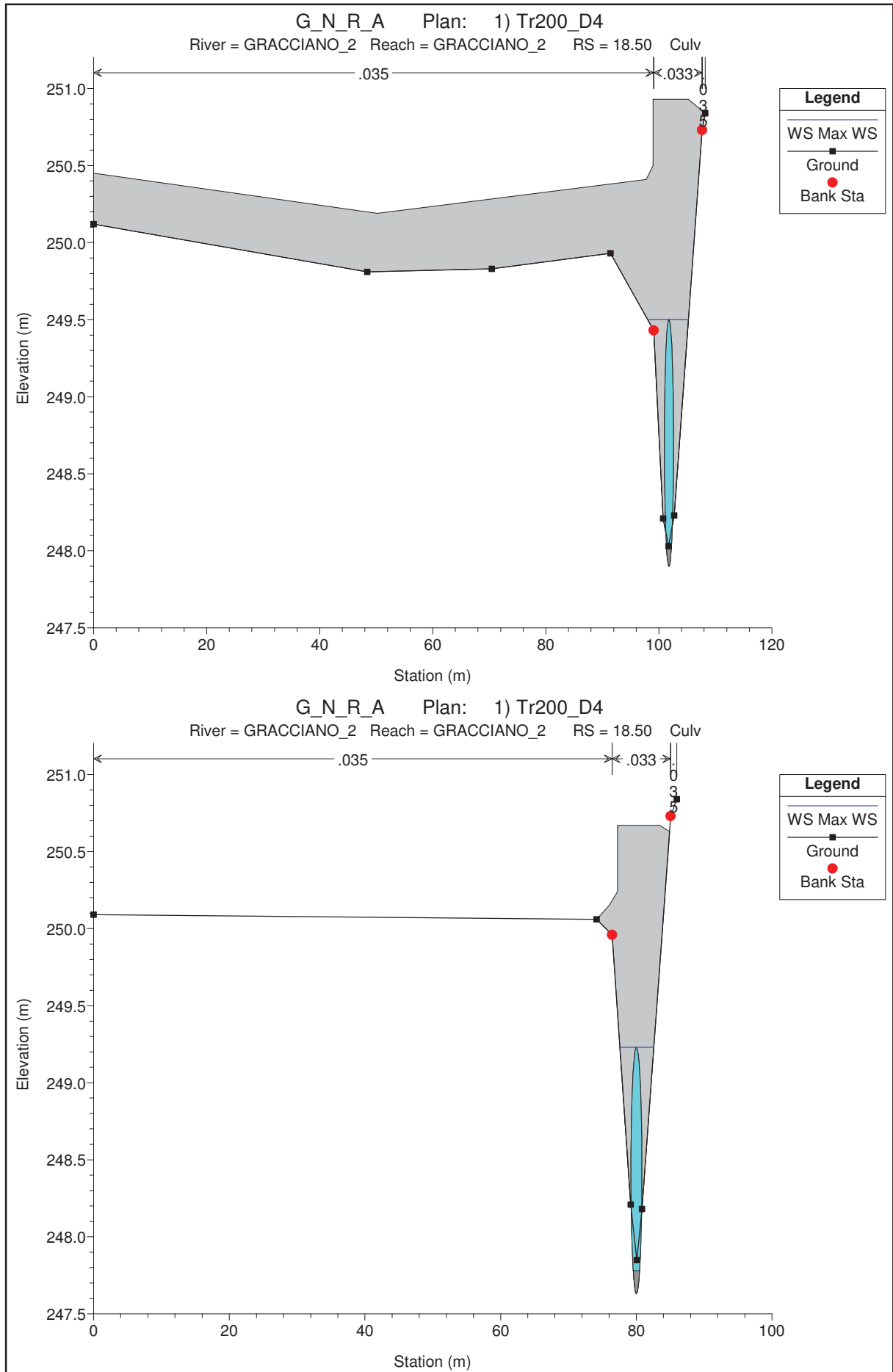


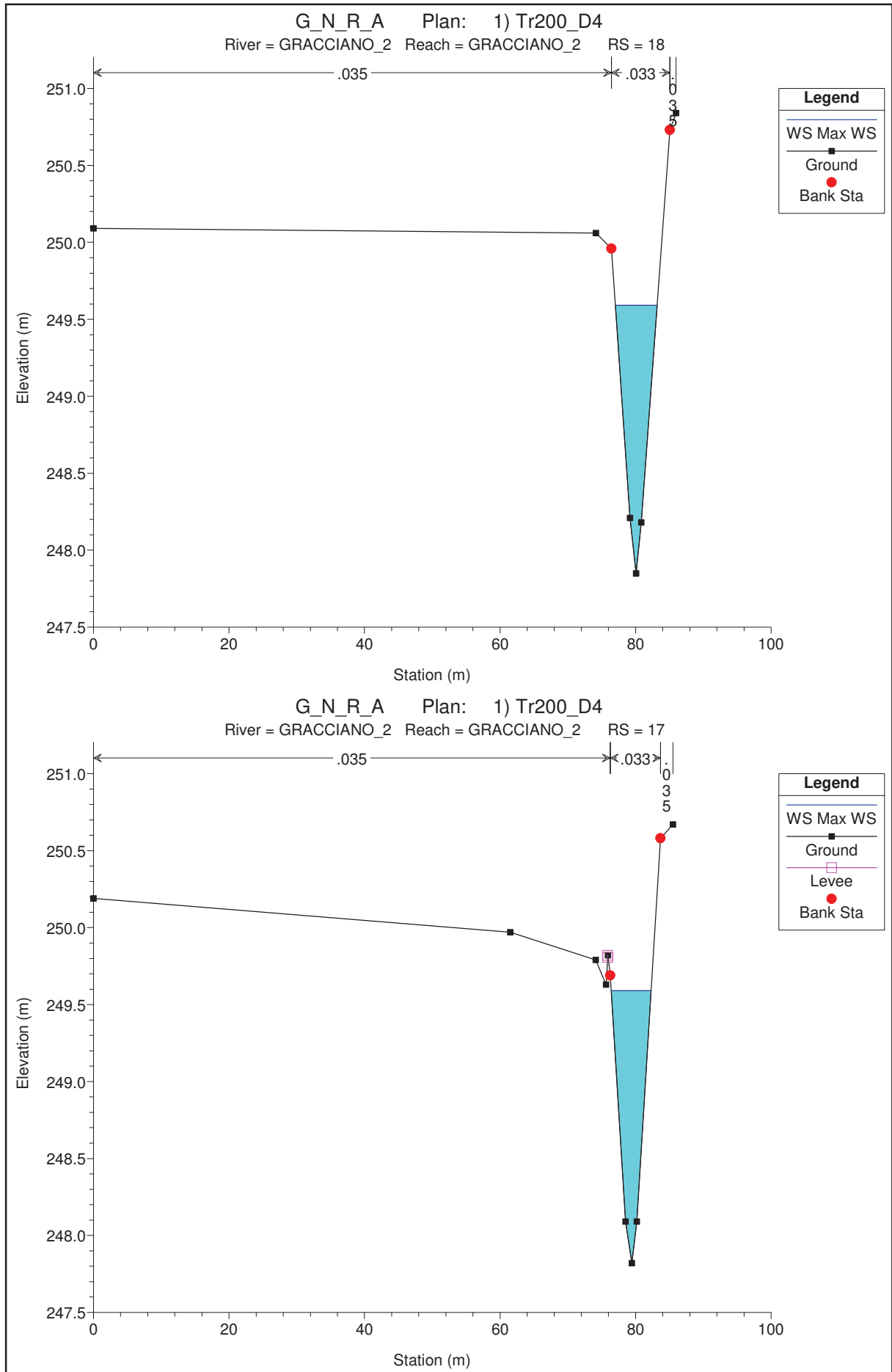


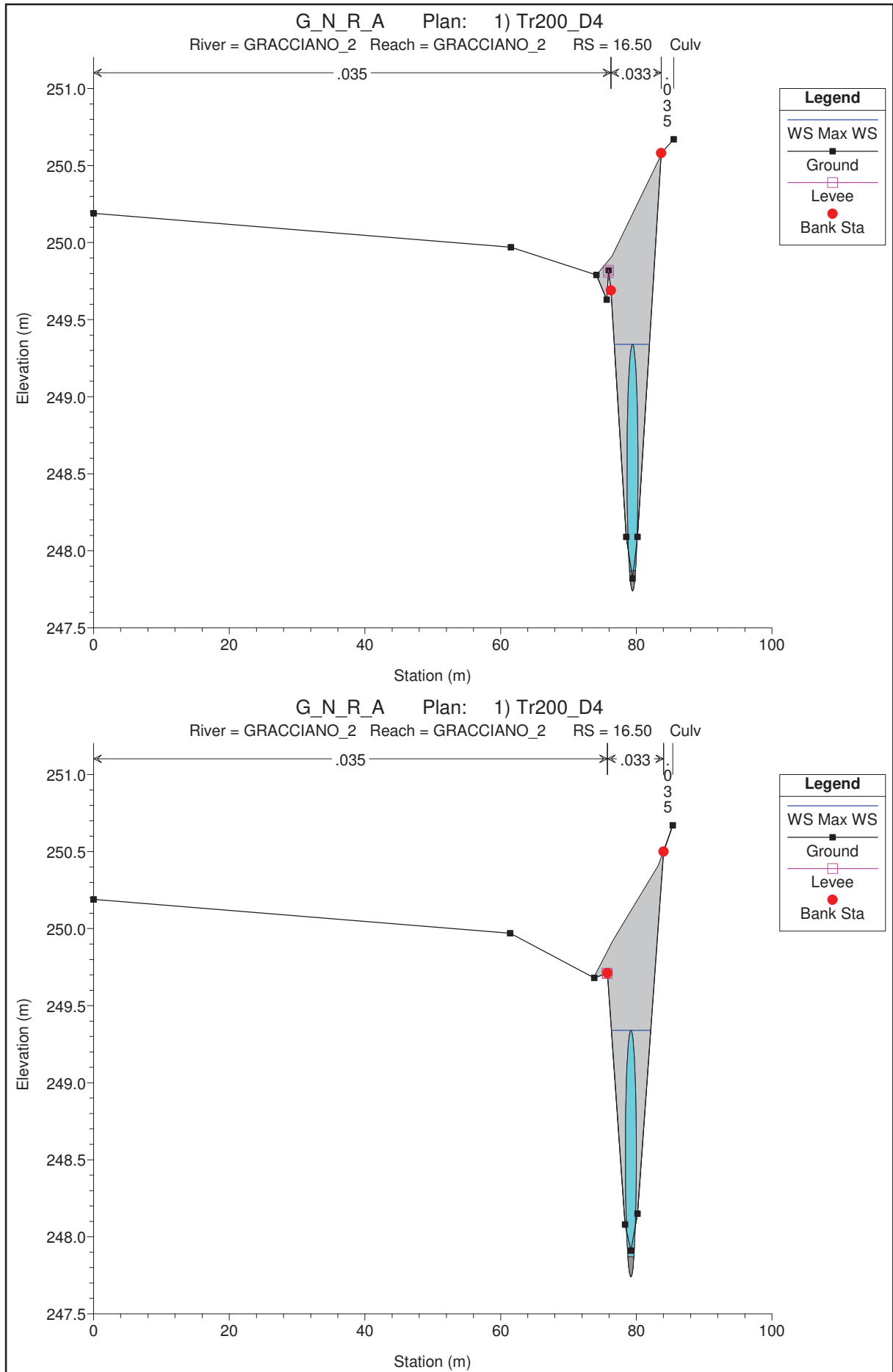


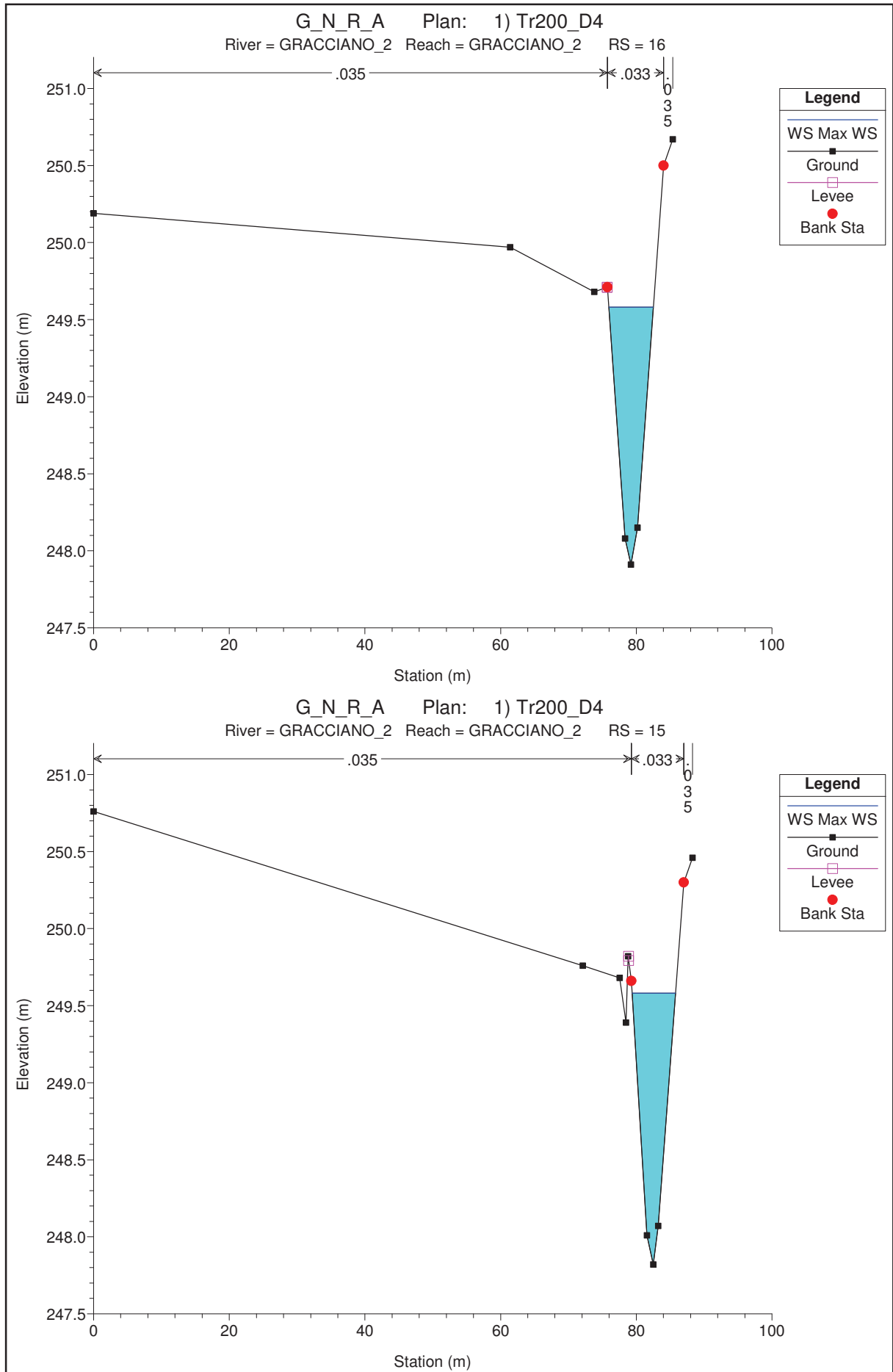


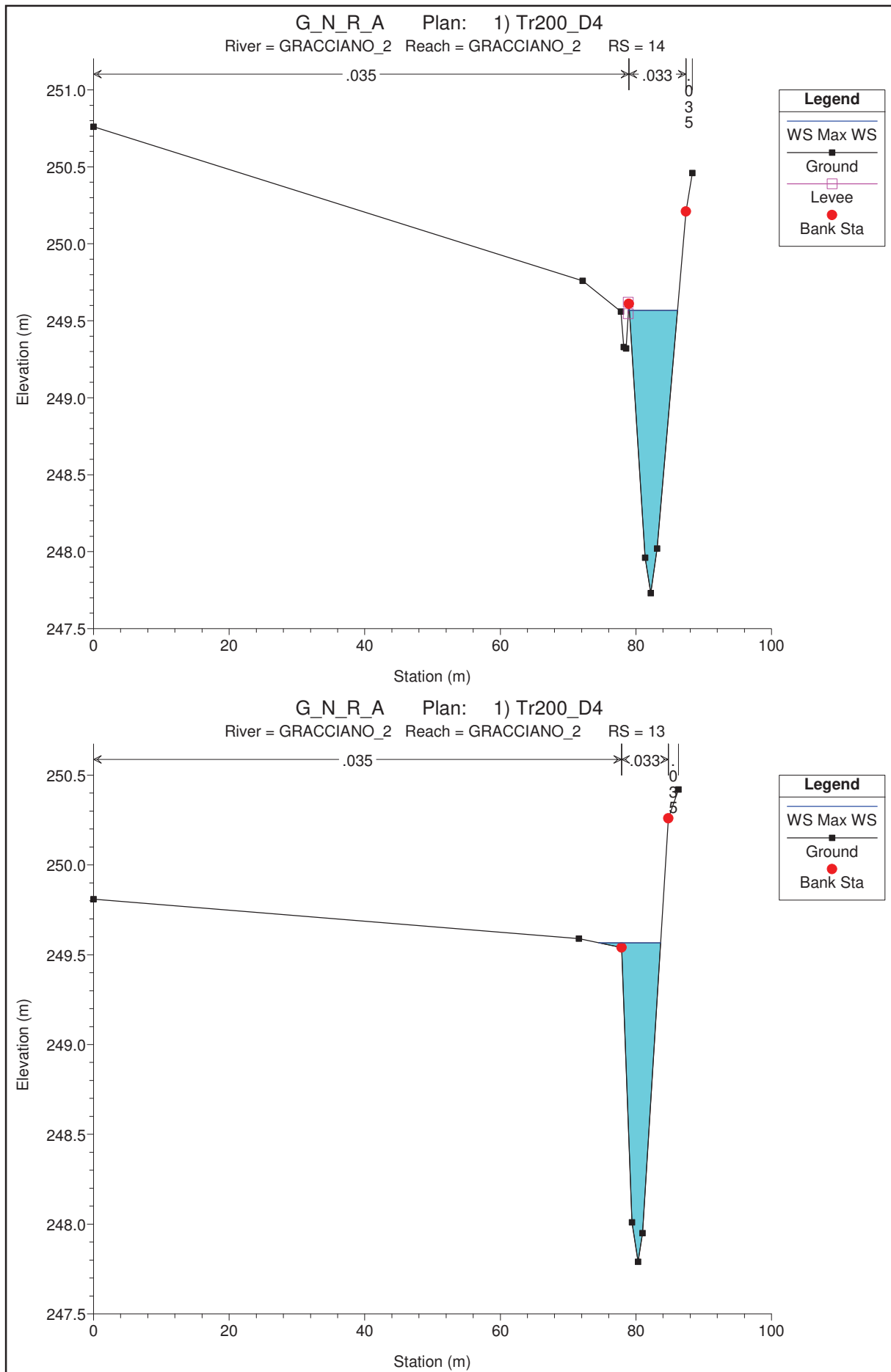


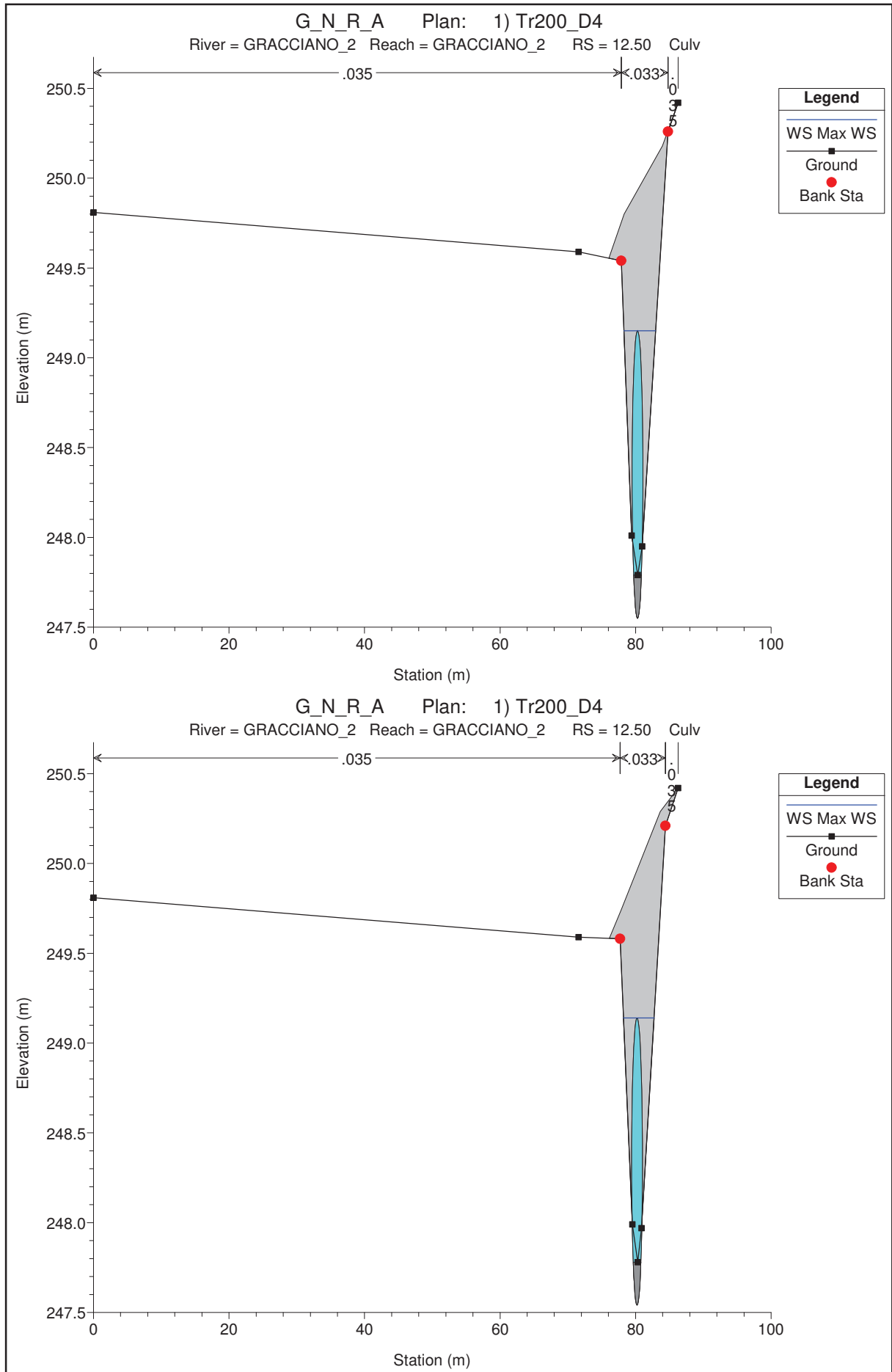


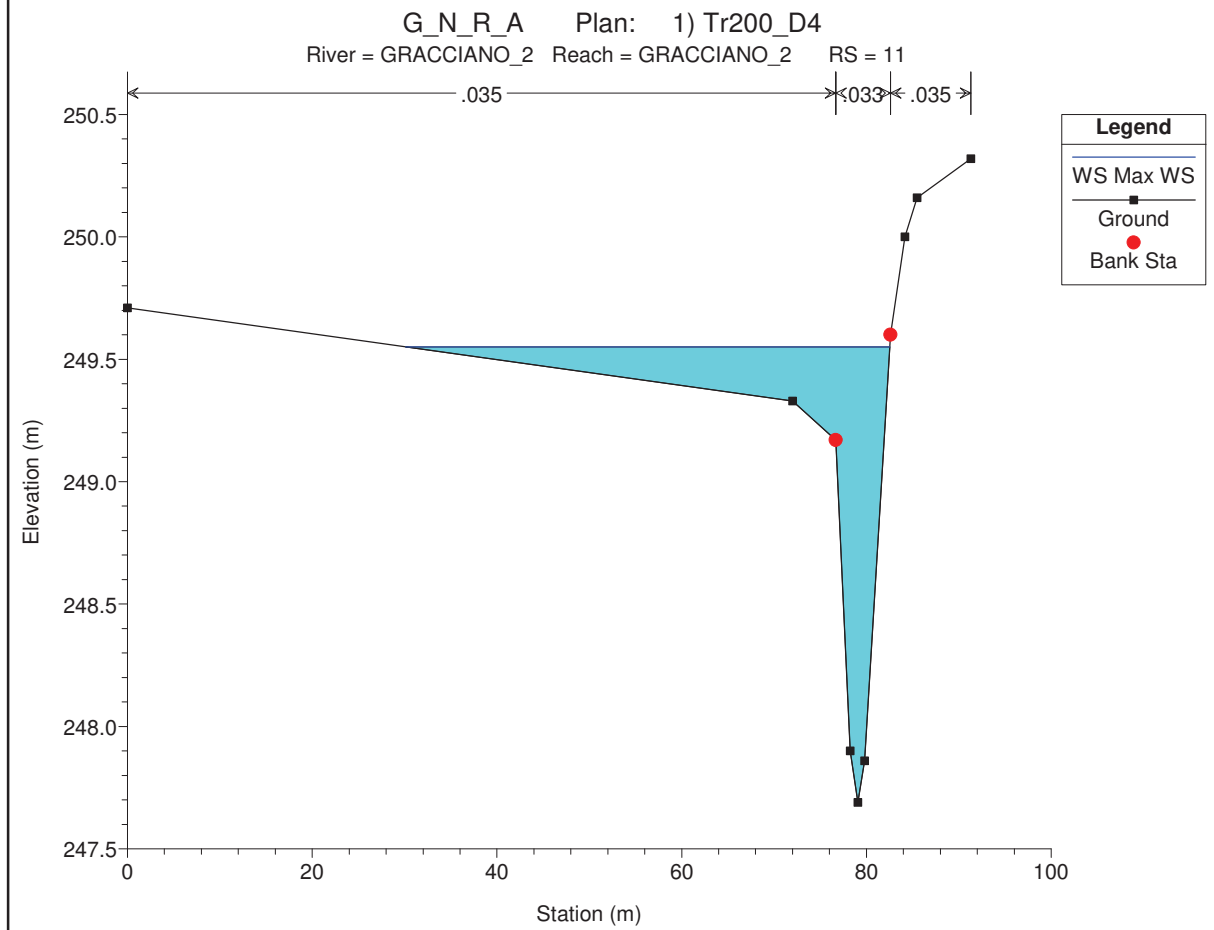
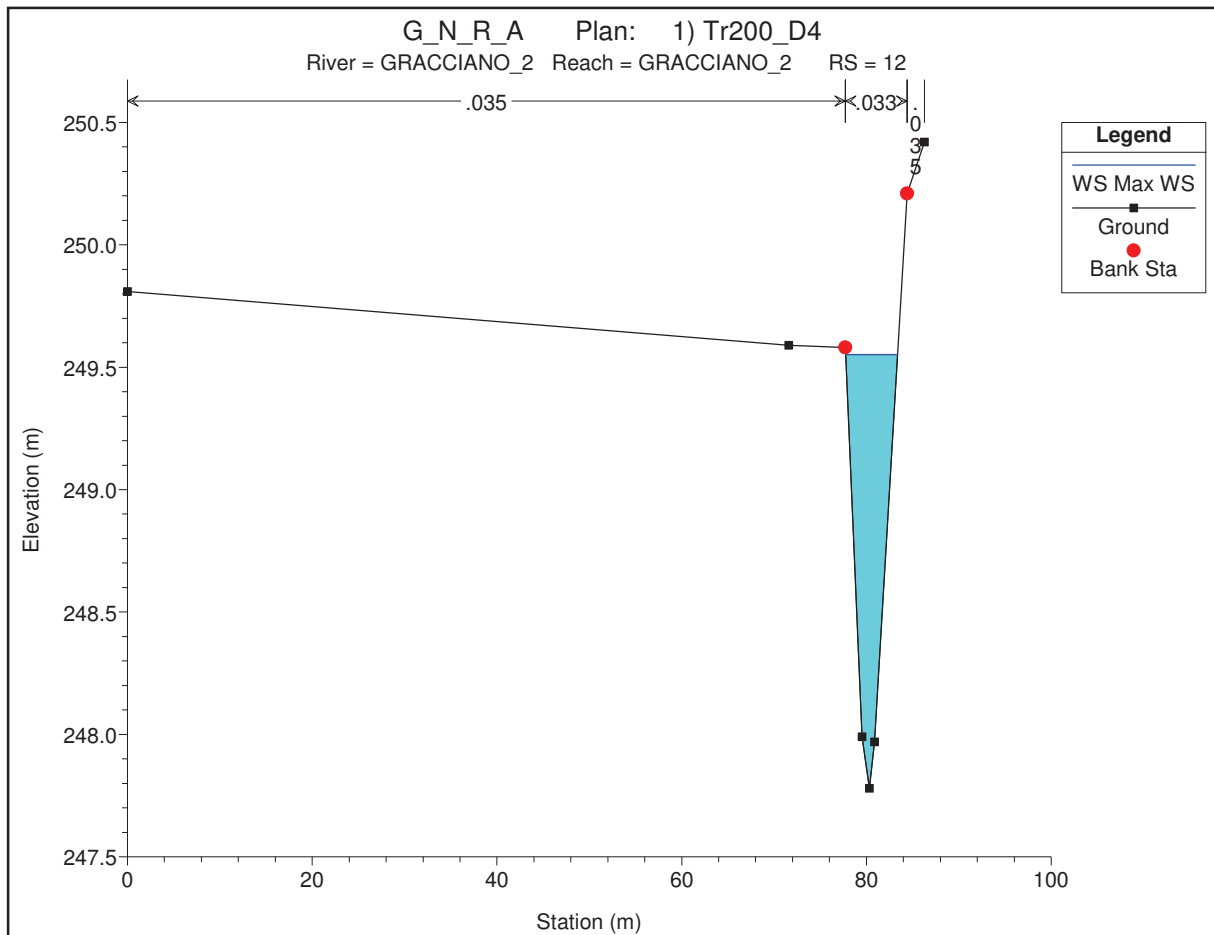


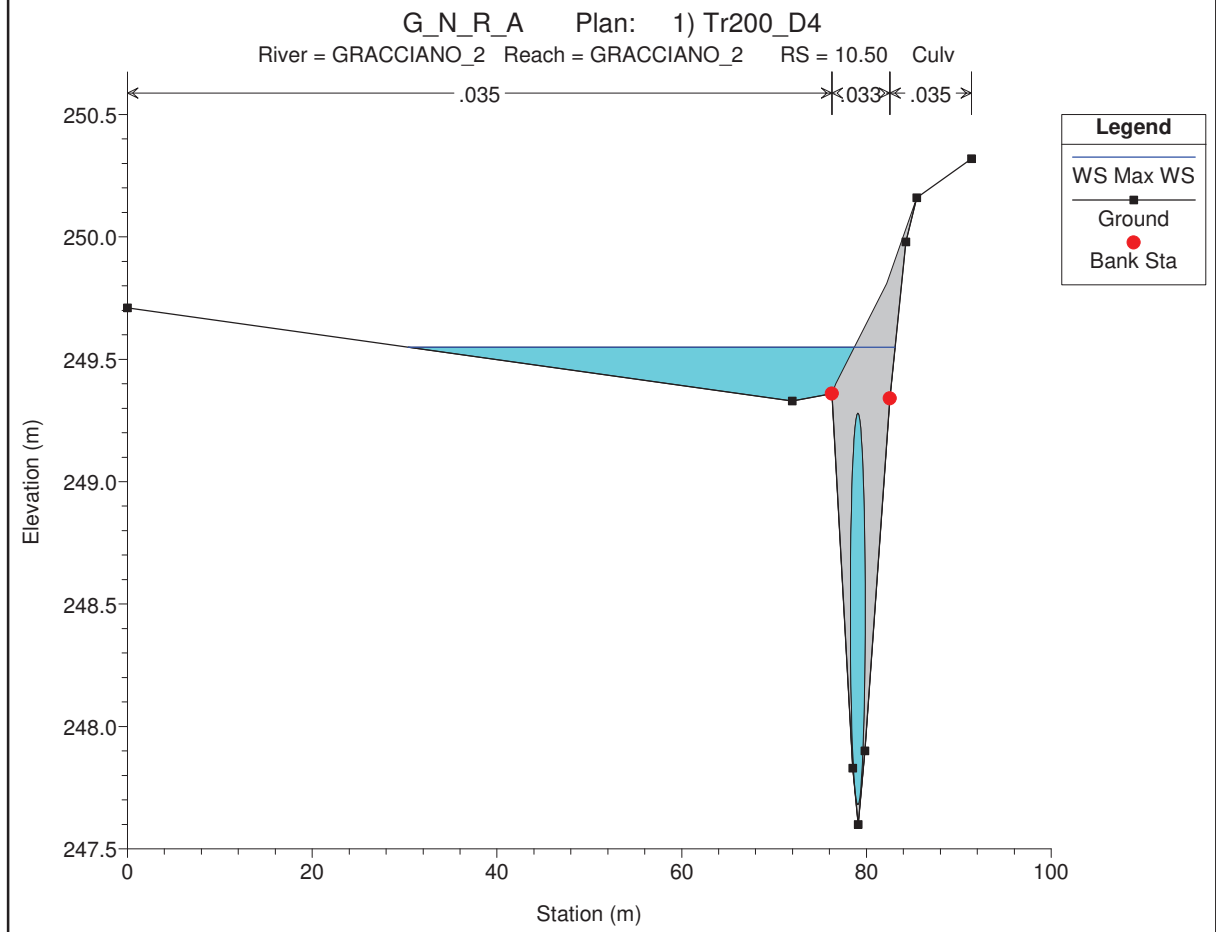
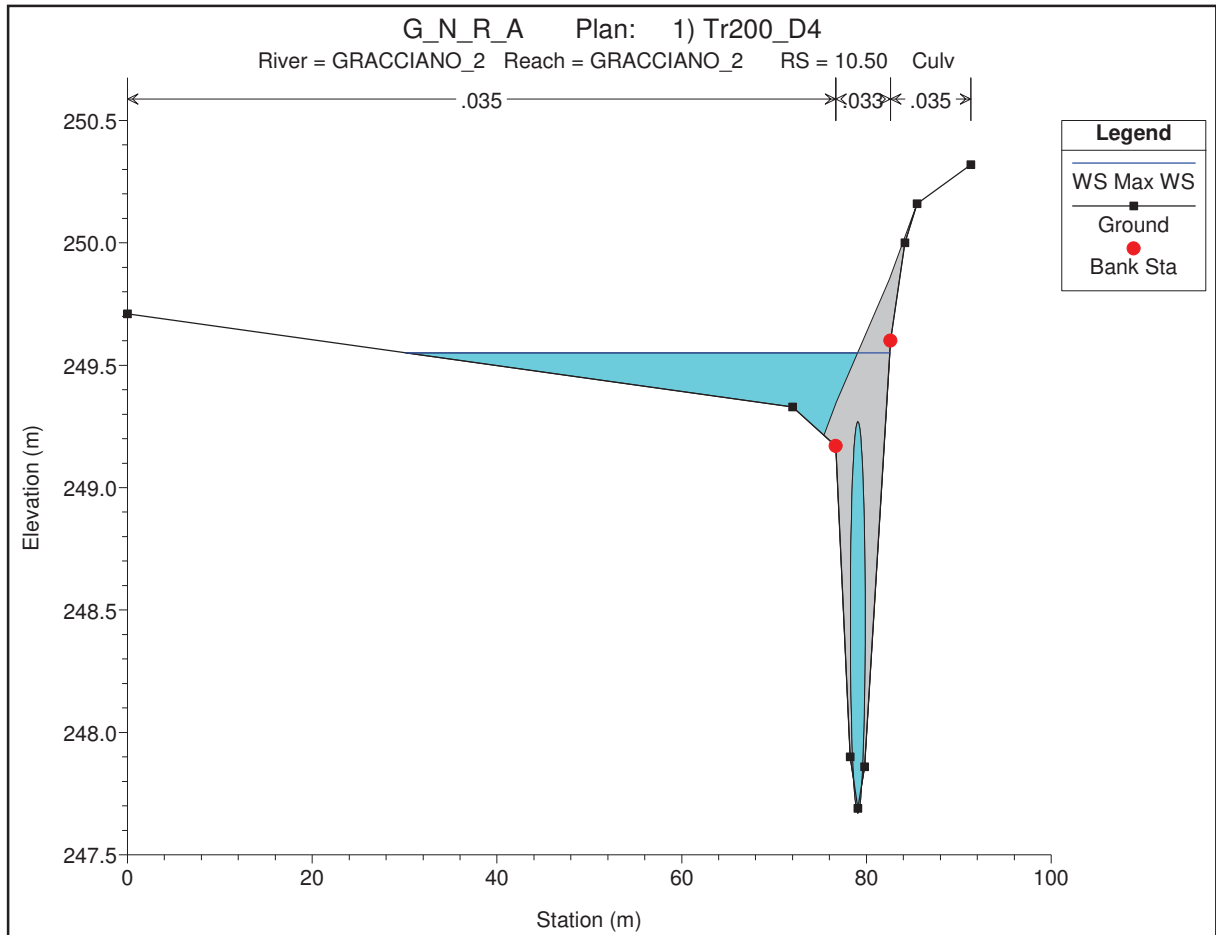


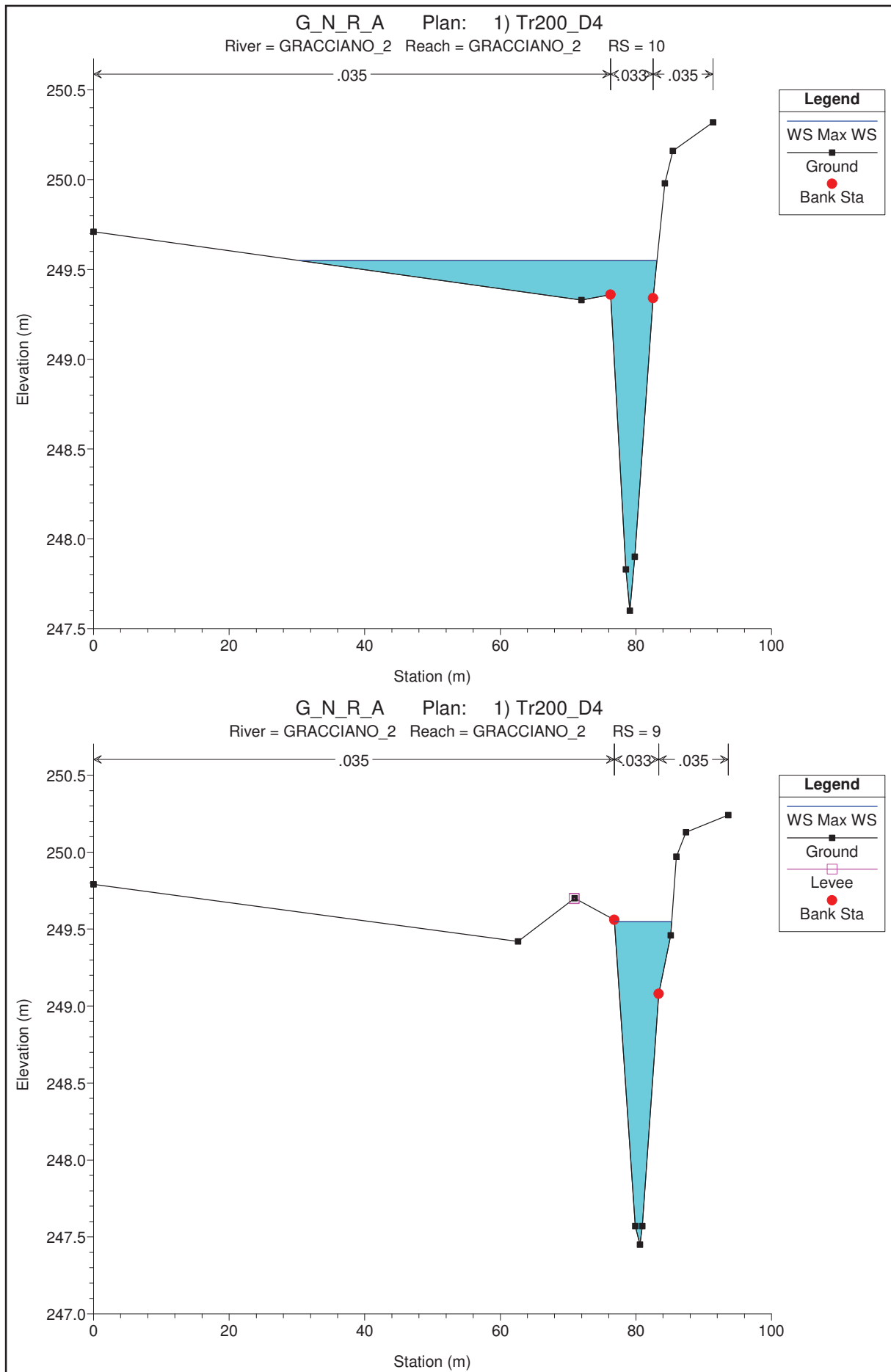


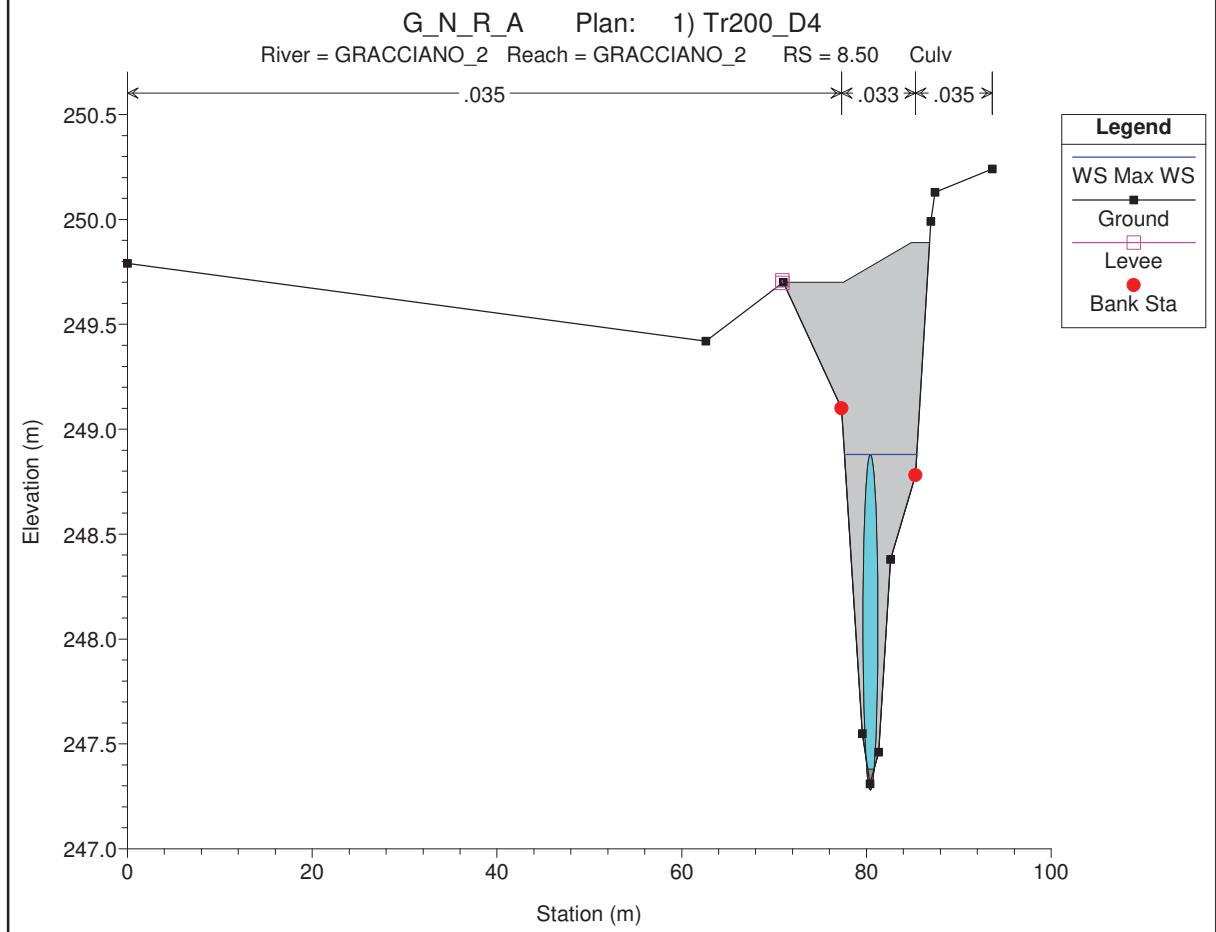
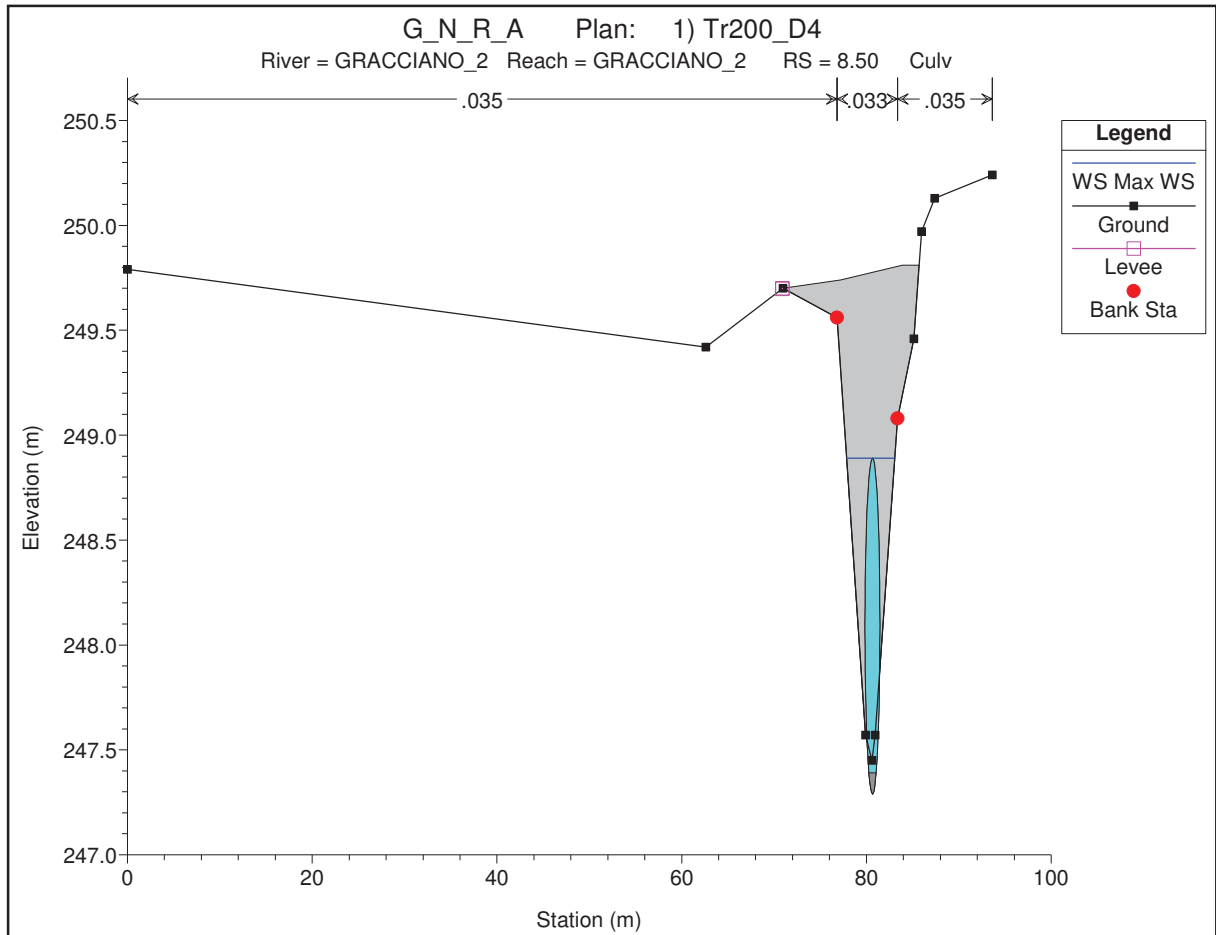


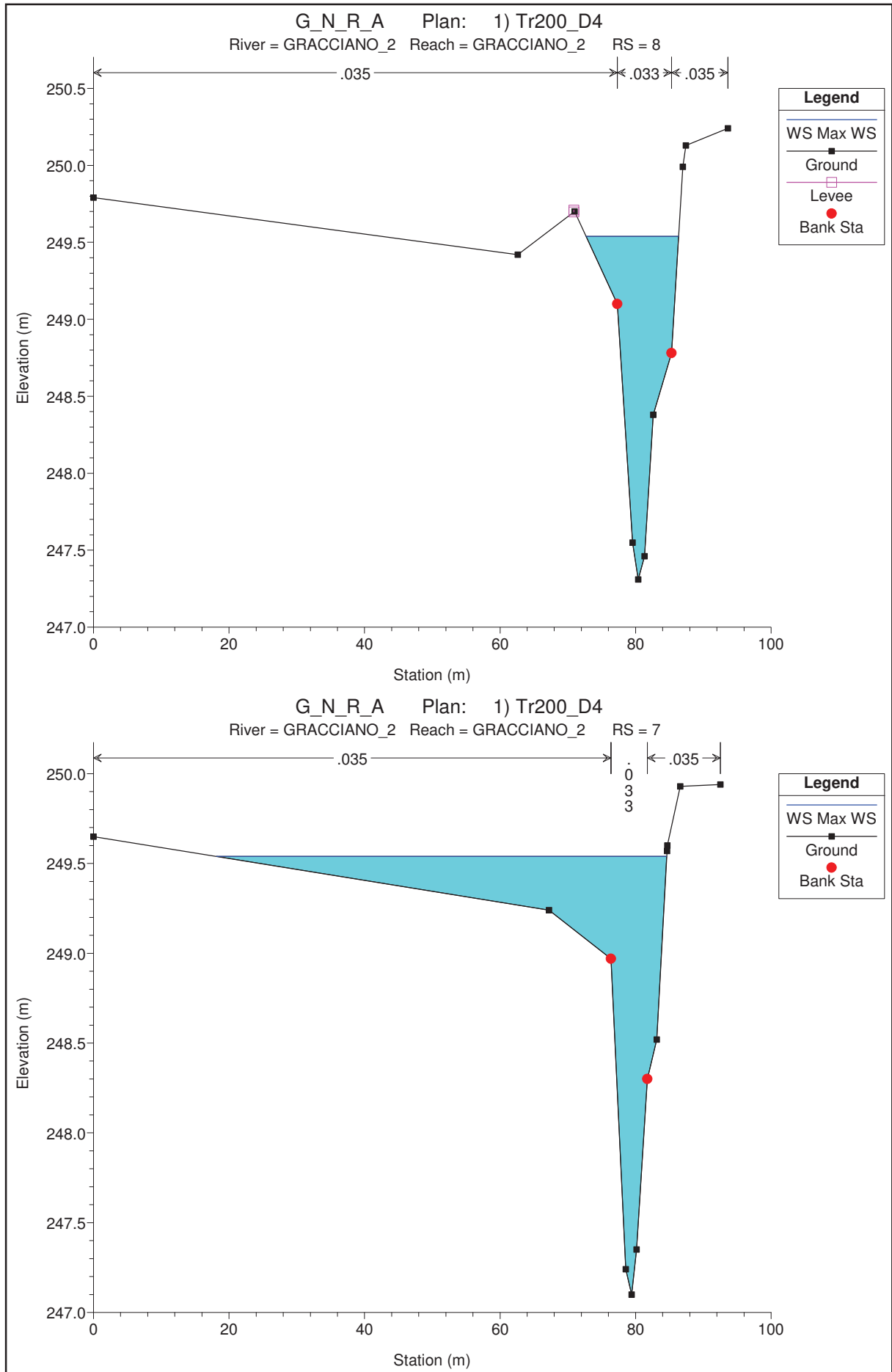


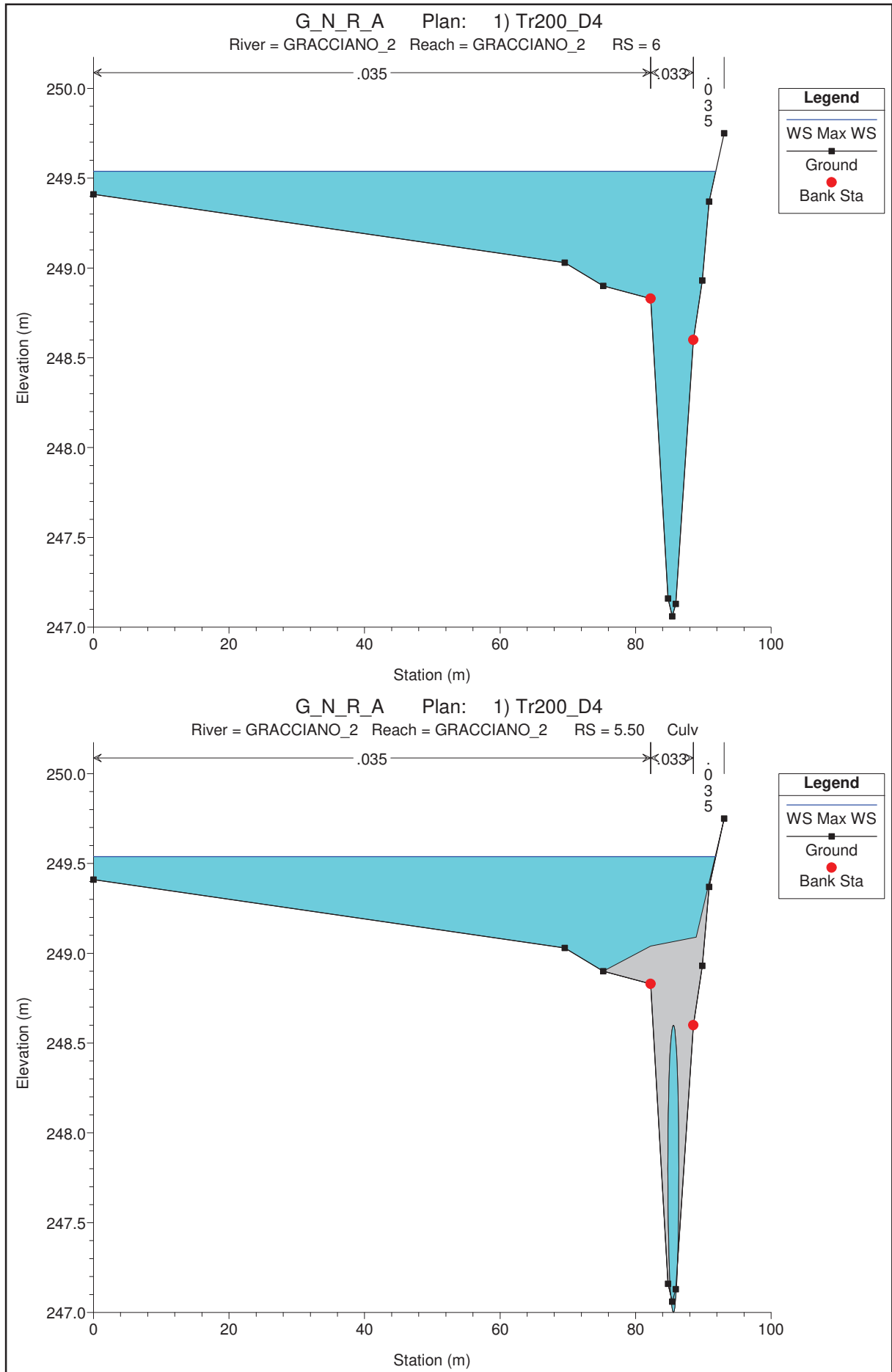


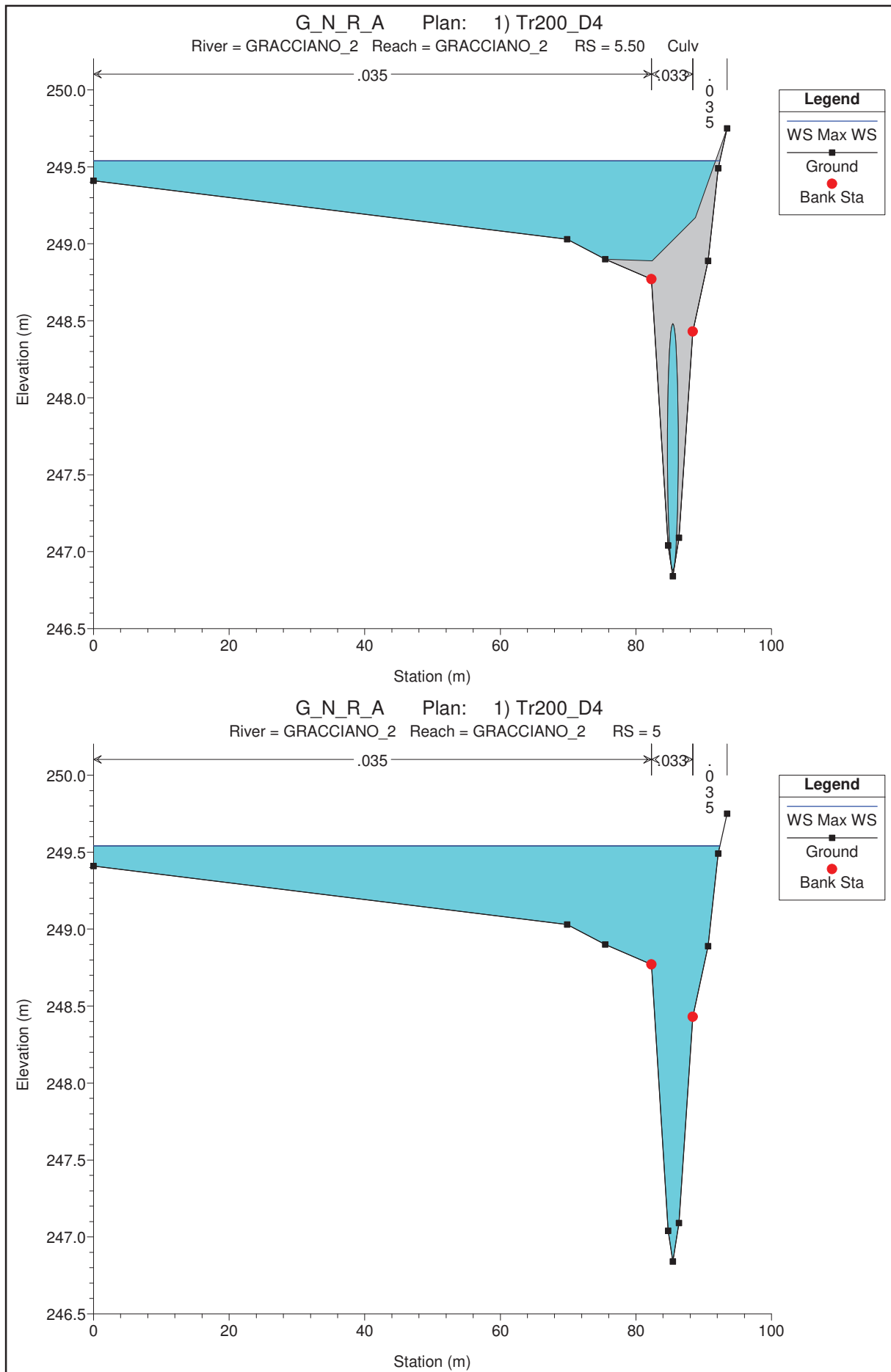


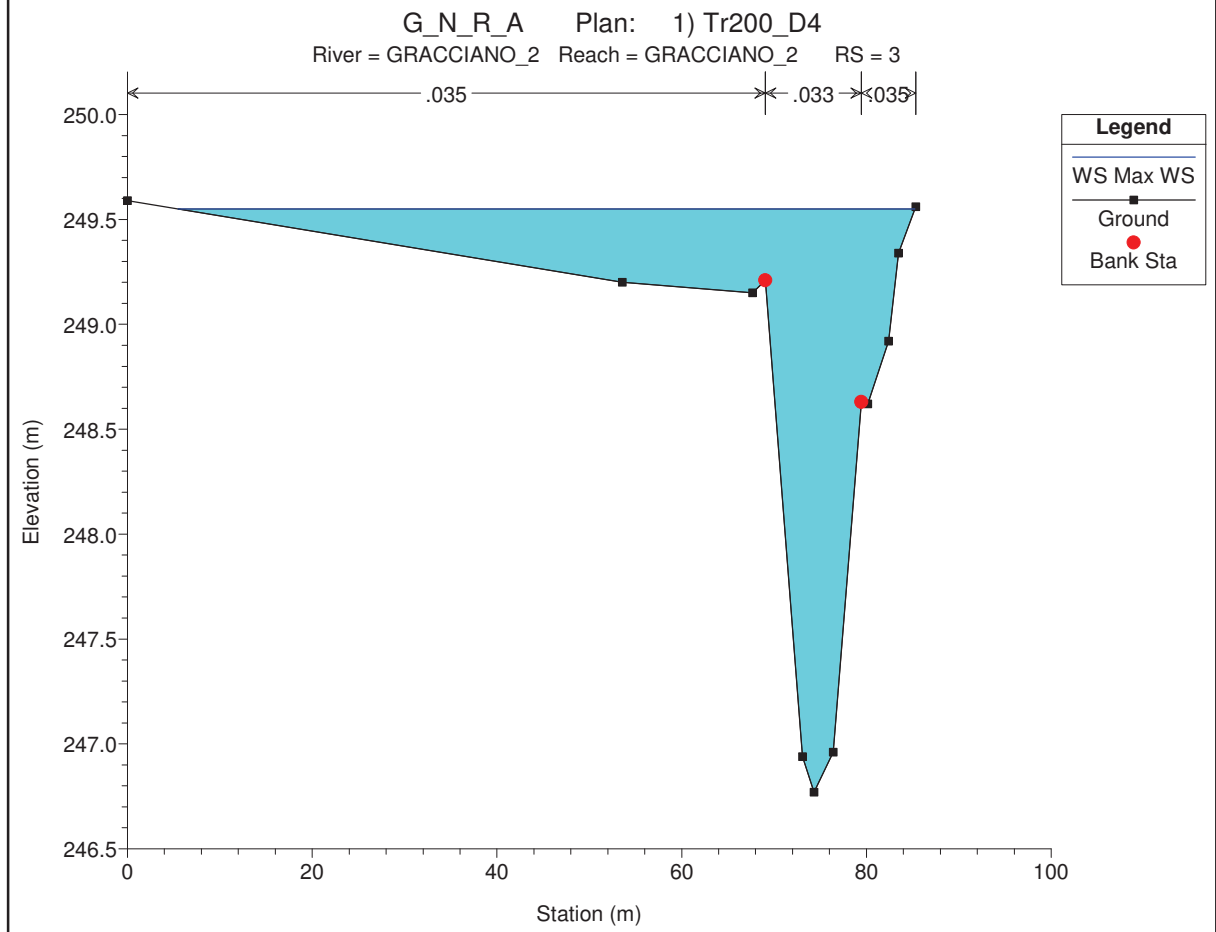
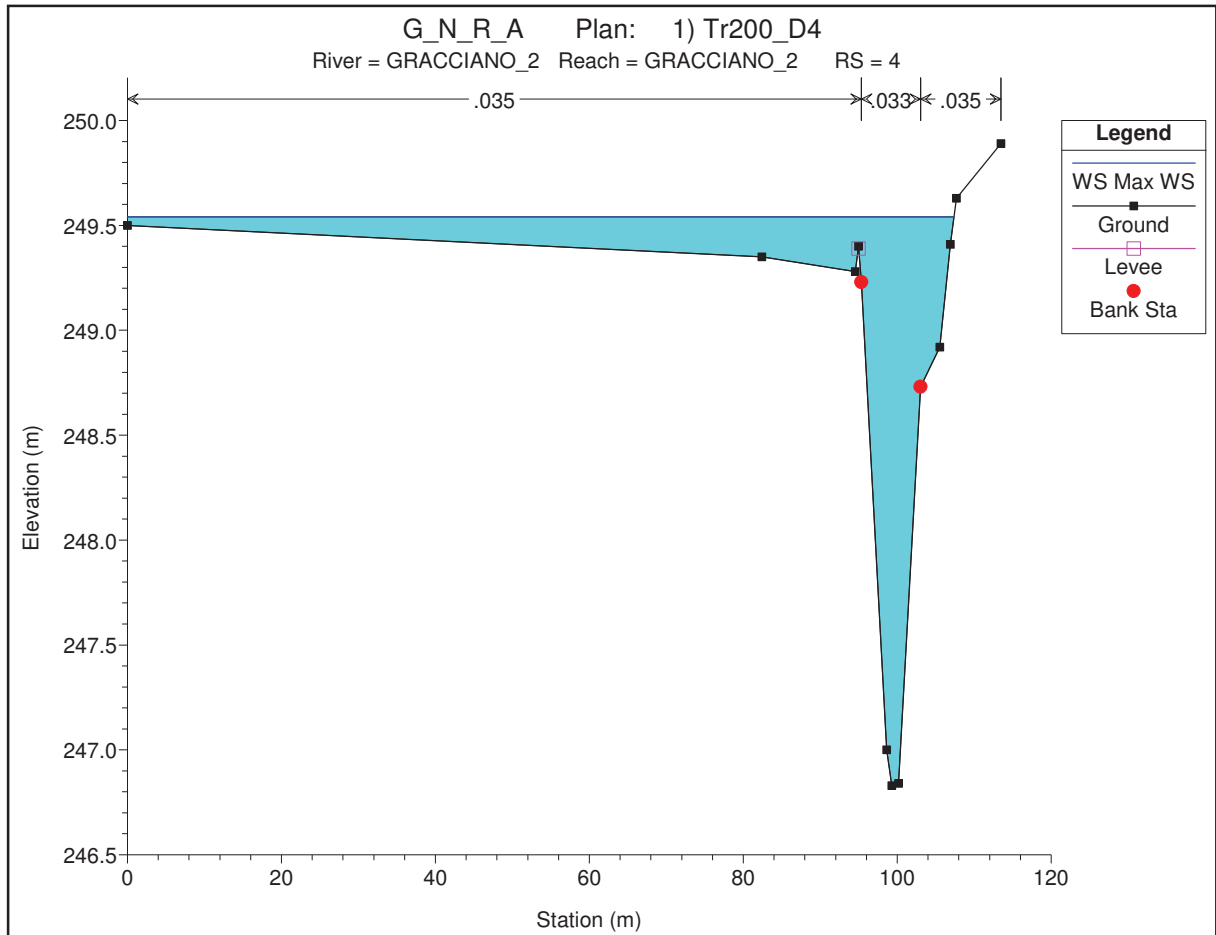


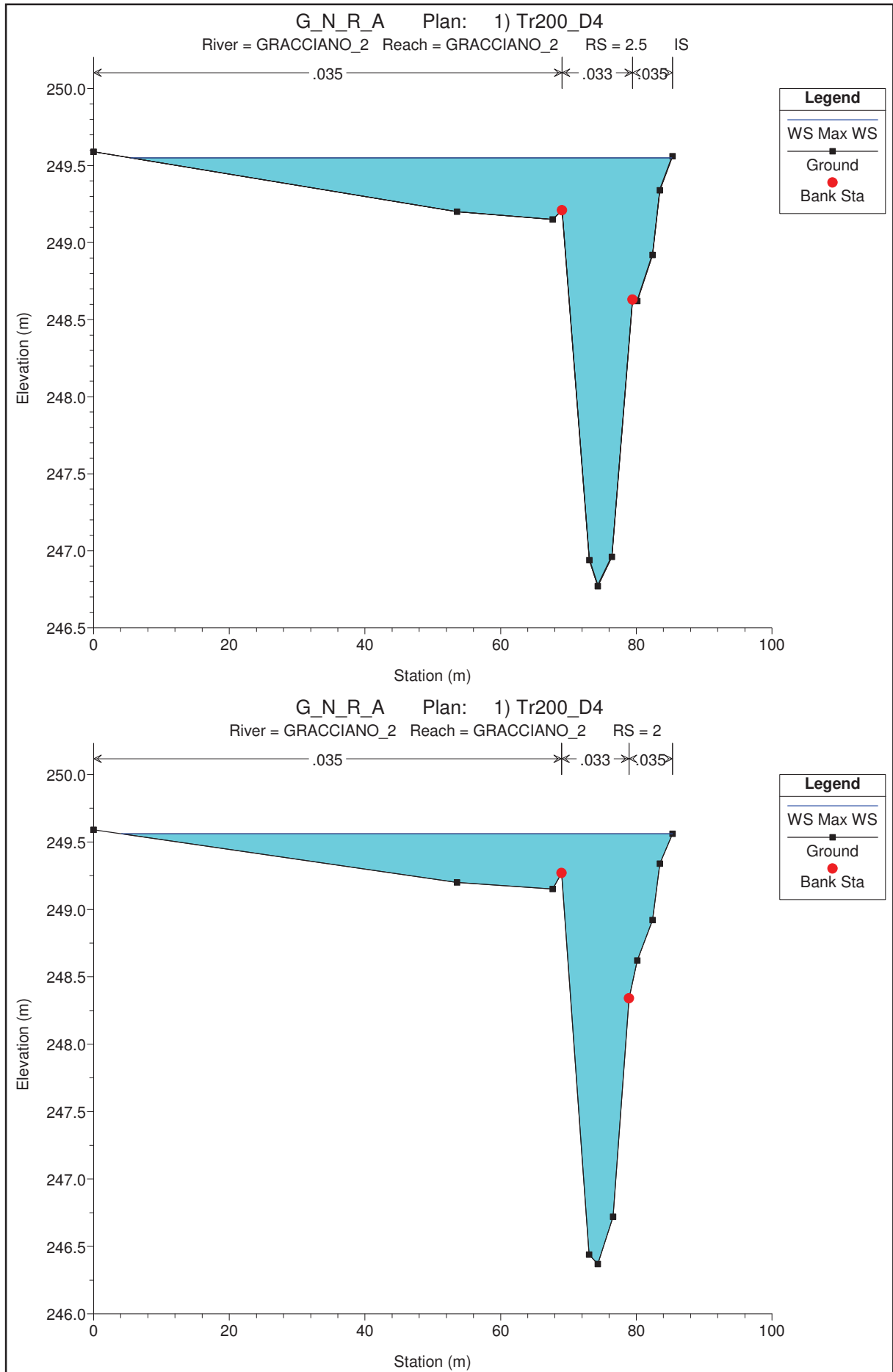


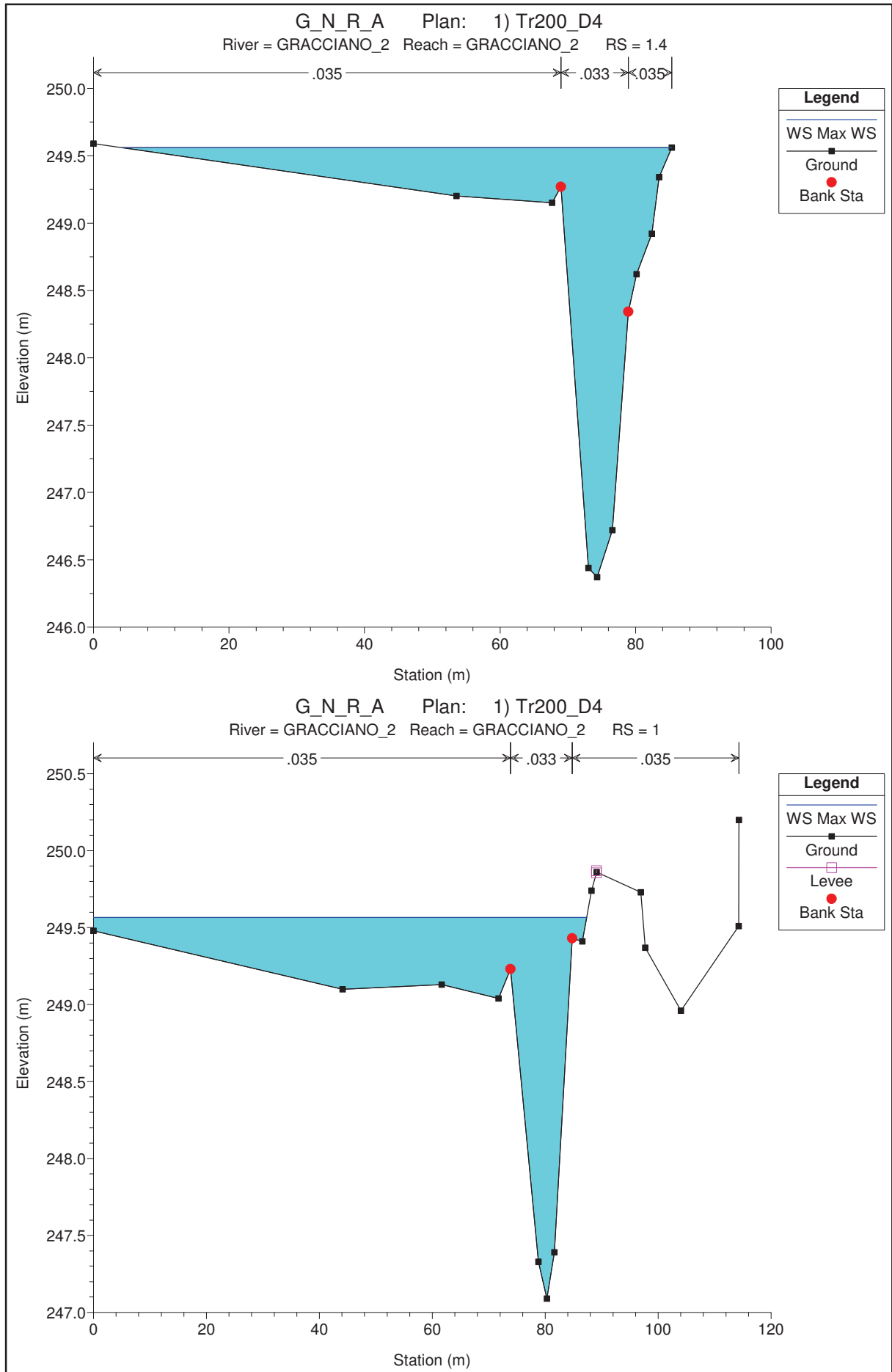


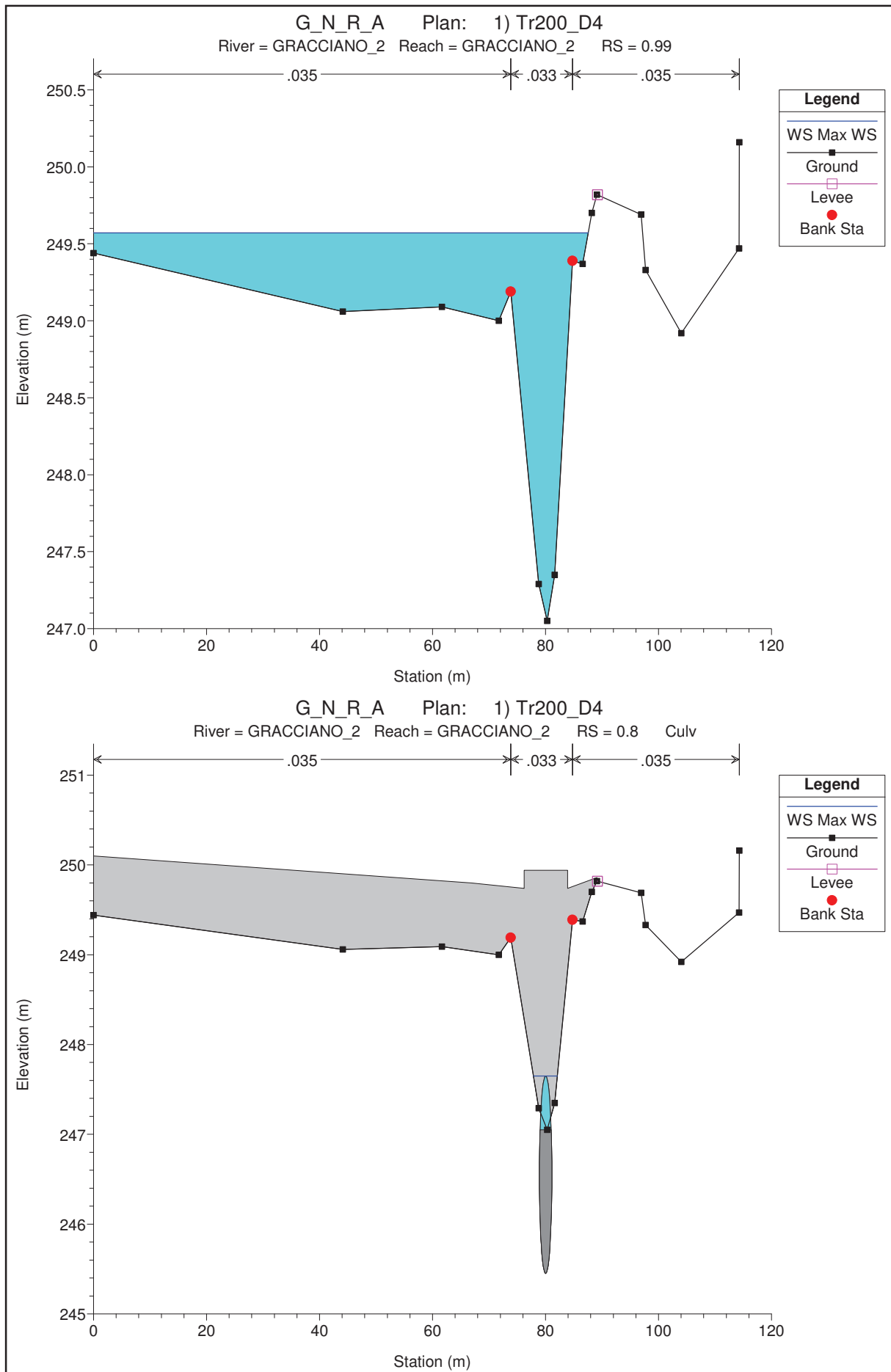


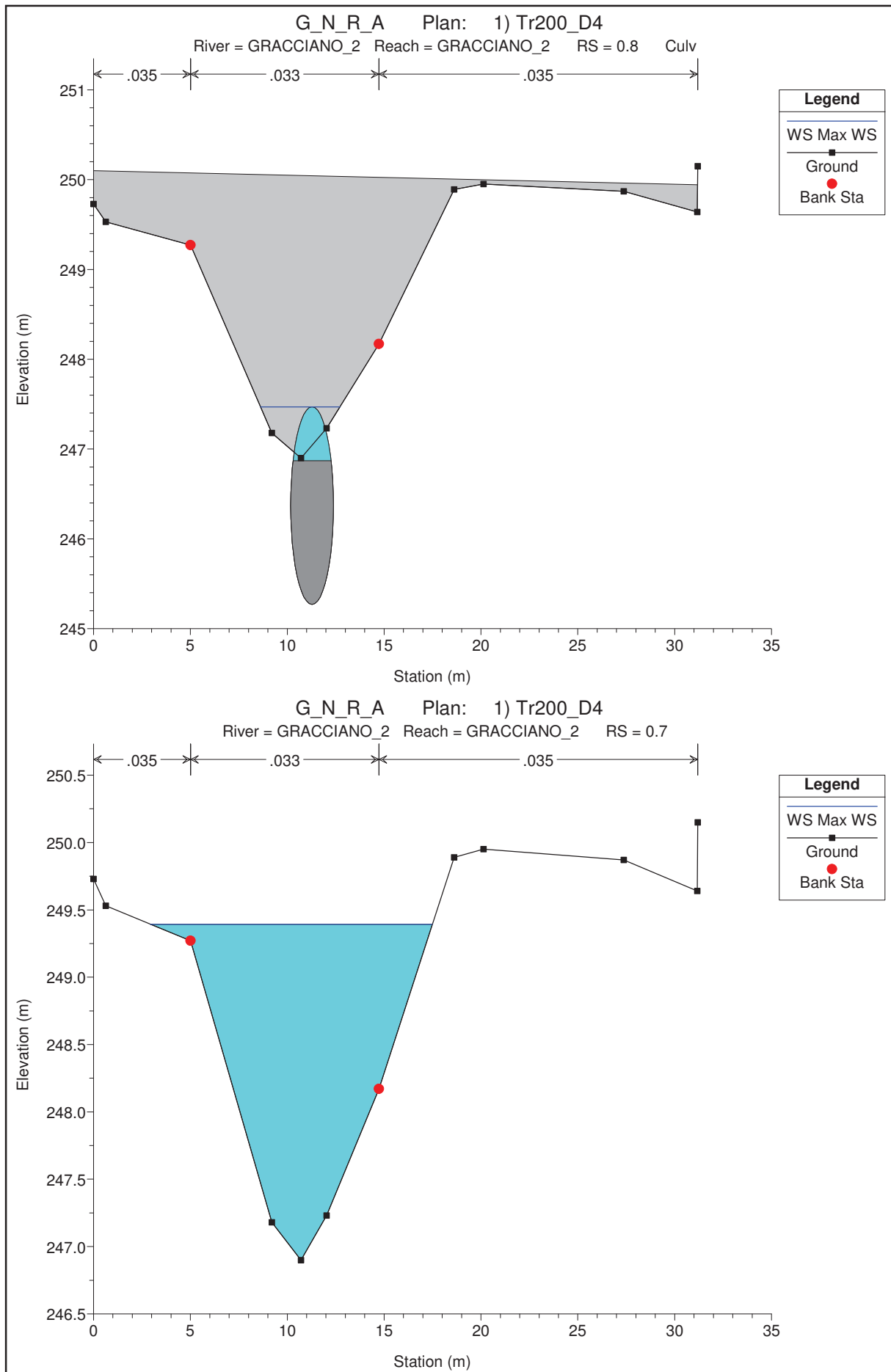


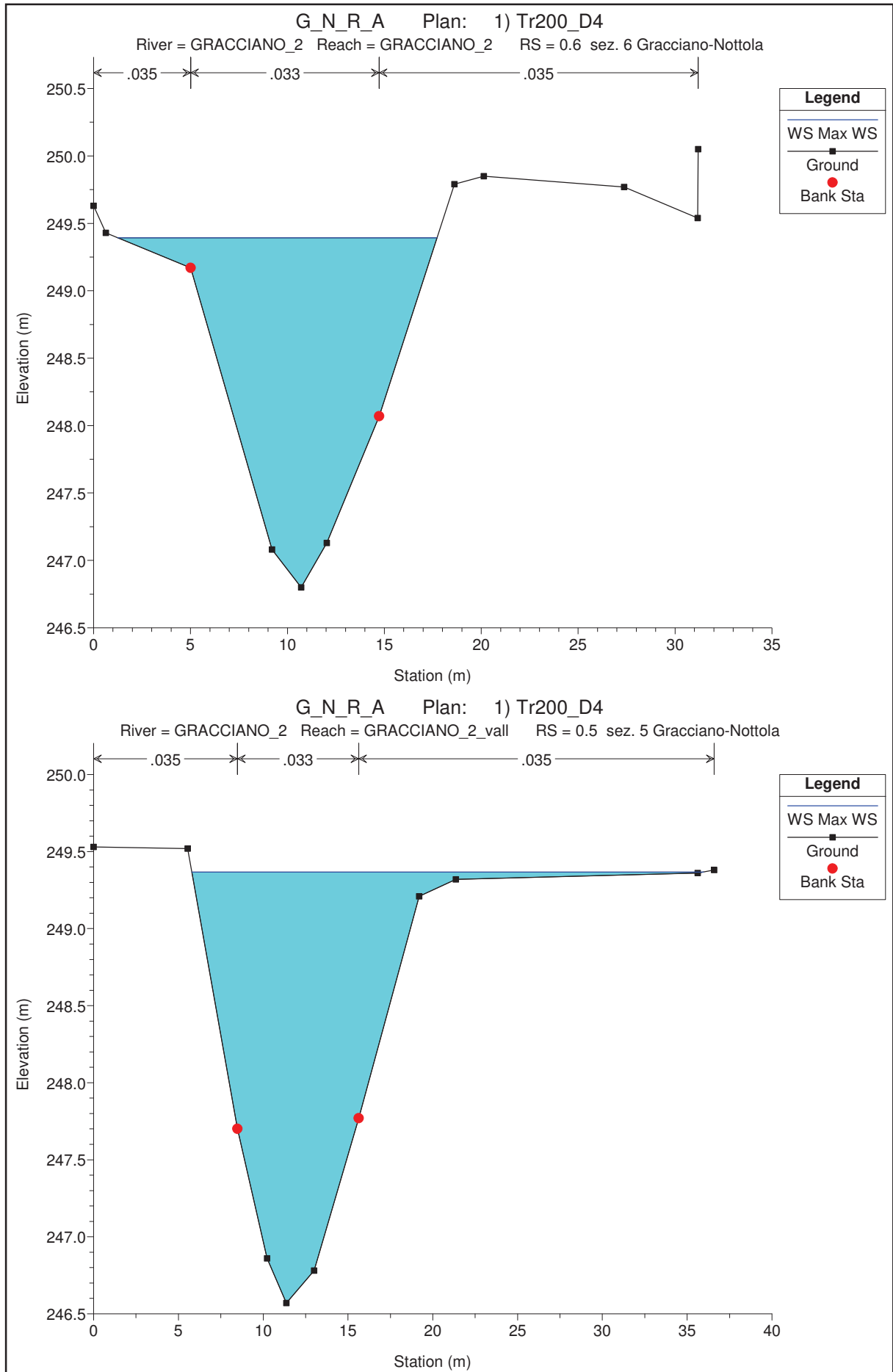


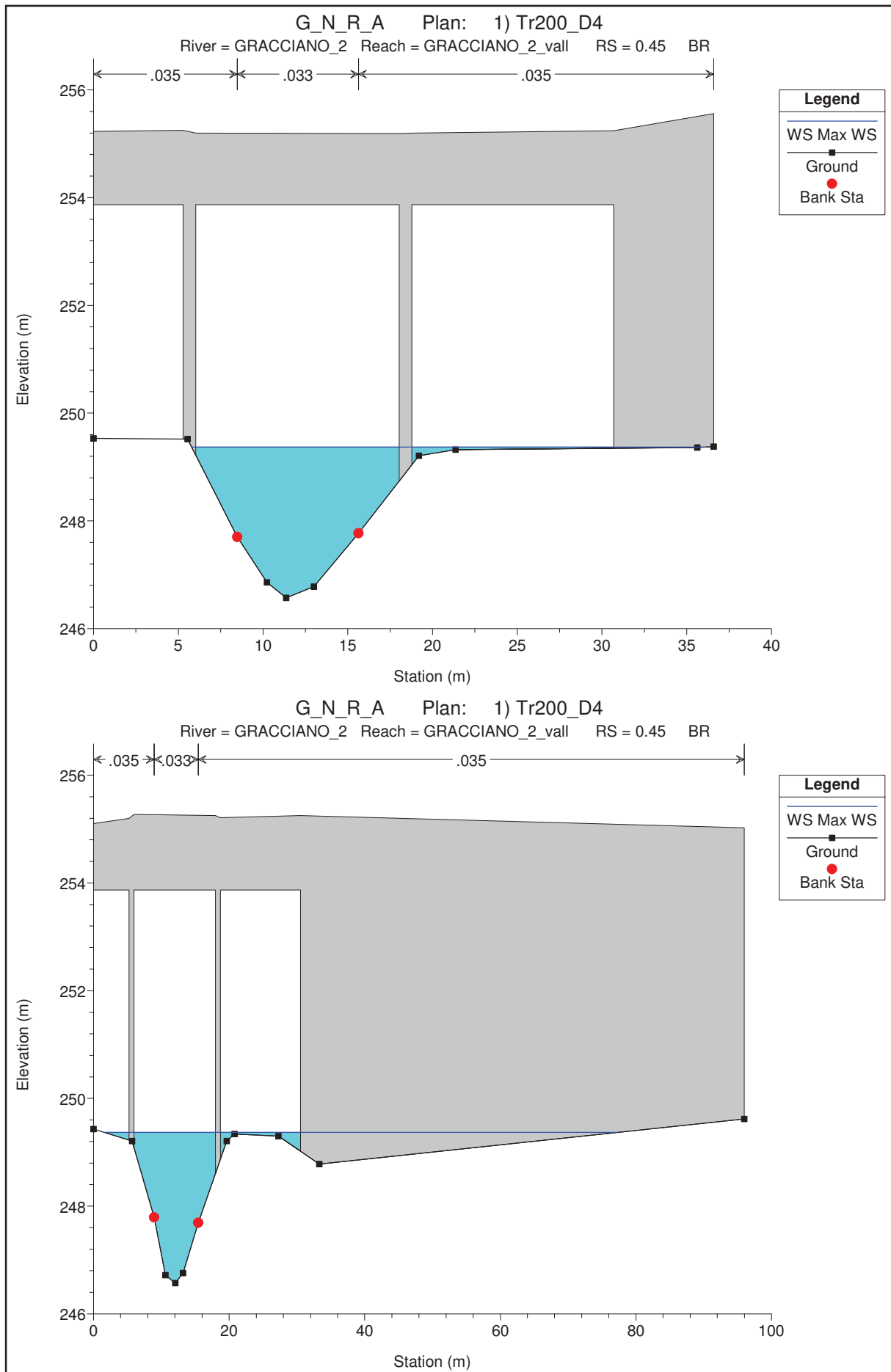


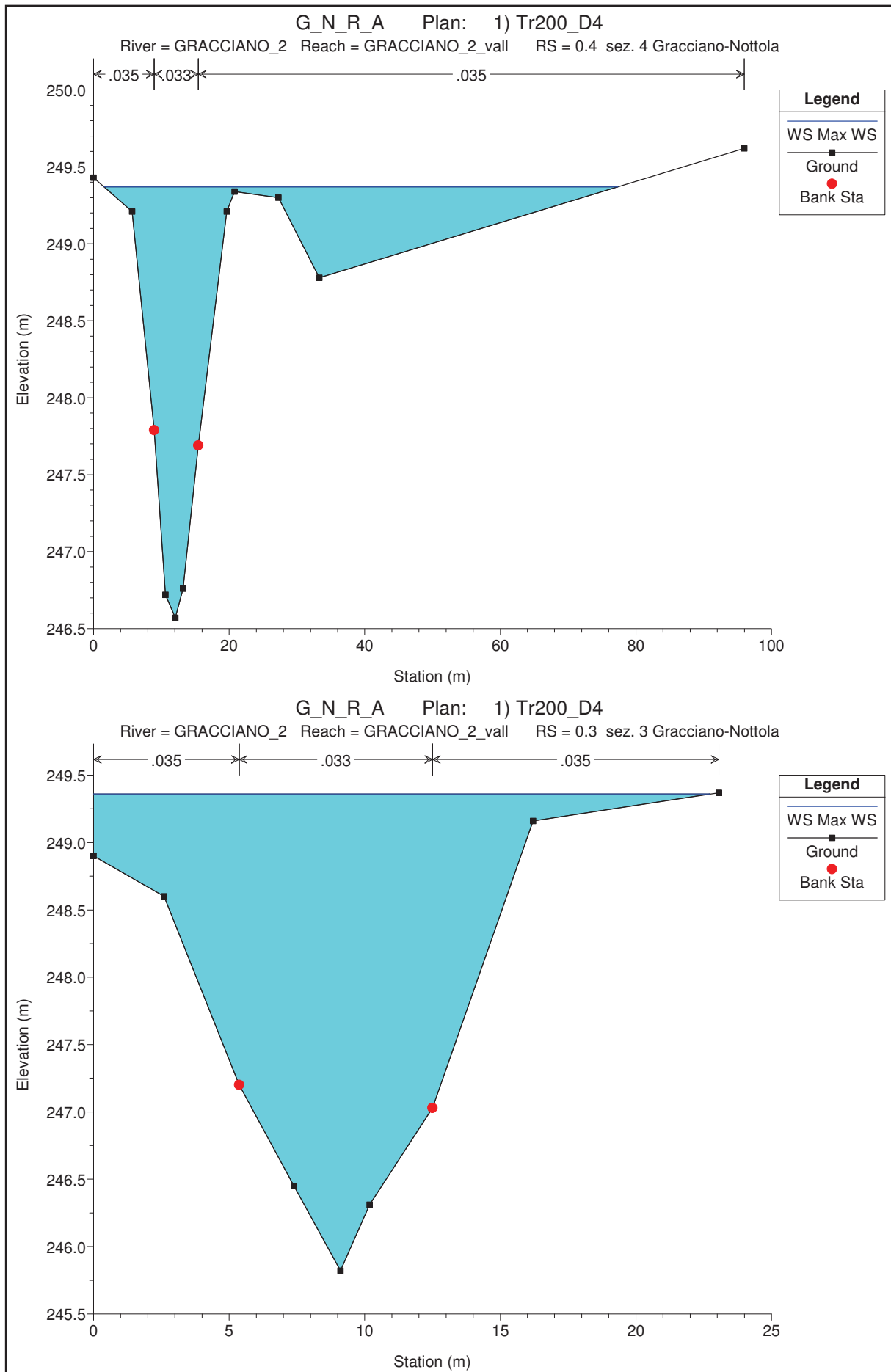














ALLEGATI

MODELLAZIONE HEC-RAS 5.0.3 "Montepulciano stazione valle"

DOCCIA DI GRACCIANO

MODELLAZIONE PER TR=30 anni

DURATE DI PIOGGIA: 4h

Dati idraulici

HEC-RAS Plan: Tr30_D4 Profile: Max WS

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
GRACCIANO_2	37	Max WS	3.90	251.05	252.39		252.42	0.001631	0.97	5.96	20.76	0.33
GRACCIANO_2	36	Max WS	3.90	251.00	252.11		252.18	0.005122	1.44	4.11	15.96	0.53
GRACCIANO_2	35.91		Lat Struct									
GRACCIANO_2	35	Max WS	3.90	250.80	252.01		252.02	0.000410	0.45	20.05	118.49	0.16
GRACCIANO_2	34.50	Accesso Privato	Culvert									
GRACCIANO_2	34	Max WS	3.90	250.83	252.00		252.00	0.000443	0.45	19.39	114.61	0.15
GRACCIANO_2	33.91		Lat Struct									
GRACCIANO_2	33	Max WS	3.90	250.71	252.00		252.00	0.000366	0.41	20.29	114.24	0.14
GRACCIANO_2	32.50	Accesso Privato	Culvert									
GRACCIANO_2	32	Max WS	3.90	250.61	251.92	251.91	251.97	0.003007	1.25	6.15	49.81	0.42
GRACCIANO_2	31.91		Lat Struct									
GRACCIANO_2	31.9		Lat Struct									
GRACCIANO_2	31	Max WS	2.96	250.72	251.81		251.81	0.000067	0.20	27.82	95.52	0.07
GRACCIANO_2	30	Max WS	0.60	251.07	251.79	251.45	251.80	0.000655	0.45	1.64	6.44	0.20
GRACCIANO_2	29.5		Inl Struct									
GRACCIANO_2	29	Max WS	0.60	250.36	250.98		251.03	0.005550	1.00	0.62	2.42	0.52
GRACCIANO_2	28	Max WS	0.59	249.76	250.33		250.37	0.004046	0.83	0.71	2.17	0.46
GRACCIANO_2	27	Max WS	0.58	249.29	249.78		249.83	0.005987	0.97	0.60	1.95	0.56
GRACCIANO_2	26	Max WS	0.57	248.60	249.59		249.59	0.000144	0.24	2.36	3.79	0.10
GRACCIANO_2	25.50	Accesso Privato	Culvert									
GRACCIANO_2	25	Max WS	0.56	248.57	249.57		249.57	0.000152	0.25	2.29	3.61	0.10
GRACCIANO_2	24	Max WS	0.55	247.93	249.56		249.56	0.000011	0.09	5.95	5.99	0.03
GRACCIANO_2	23	Max WS	0.54	247.95	249.56		249.56	0.000016	0.10	5.32	5.91	0.03
GRACCIANO_2	22.50	Accesso Privato	Culvert									
GRACCIANO_2	22	Max WS	0.54	247.94	249.55		249.55	0.000015	0.10	5.28	5.57	0.03
GRACCIANO_2	21	Max WS	0.54	247.93	249.55		249.55	0.000011	0.09	6.11	6.72	0.03
GRACCIANO_2	20.50	Accesso Privato	Culvert									
GRACCIANO_2	20	Max WS	0.54	247.99	249.54		249.55	0.000015	0.10	5.35	6.00	0.03
GRACCIANO_2	19	Max WS	0.54	248.03	249.54		249.55	0.000013	0.09	5.79	7.97	0.03
GRACCIANO_2	18.50	Via Laurentana N	Culvert									
GRACCIANO_2	18	Max WS	0.54	247.85	249.54		249.54	0.000015	0.10	5.44	6.00	0.03
GRACCIANO_2	17	Max WS	0.54	247.82	249.54		249.54	0.000013	0.10	5.60	5.76	0.03
GRACCIANO_2	16.50	Accesso Privato	Culvert									
GRACCIANO_2	16	Max WS	0.54	247.91	249.53		249.53	0.000011	0.09	6.02	6.42	0.03
GRACCIANO_2	15	Max WS	0.54	247.82	249.53		249.53	0.000011	0.09	6.10	6.25	0.03
GRACCIANO_2	14.50	Accesso Privato	Culvert									
GRACCIANO_2	14	Max WS	0.54	247.73	249.53		249.53	0.000008	0.08	6.94	6.98	0.02
GRACCIANO_2	13	Max WS	0.54	247.79	249.53		249.53	0.000012	0.09	5.75	5.66	0.03
GRACCIANO_2	12.50	Accesso Privato	Culvert									
GRACCIANO_2	12	Max WS	0.53	247.78	249.51		249.51	0.000014	0.10	5.42	5.53	0.03
GRACCIANO_2	11	Max WS	0.53	247.69	249.51		249.51	0.000006	0.07	10.86	45.28	0.02
GRACCIANO_2	10.50	Accesso Privato	Culvert									
GRACCIANO_2	10	Max WS	0.53	247.60	249.51		249.51	0.000006	0.07	10.75	45.59	0.02
GRACCIANO_2	9	Max WS	0.53	247.45	249.51		249.51	0.000004	0.07	8.34	8.33	0.02
GRACCIANO_2	8.50	Podere Le Manzin	Culvert									
GRACCIANO_2	8	Max WS	0.45	247.31	249.51		249.51	0.000001	0.04	12.17	13.28	0.01
GRACCIANO_2	7.91		Lat Struct									
GRACCIANO_2	7	Max WS	0.47	247.10	249.51		249.51	0.000001	0.04	21.16	61.06	0.01
GRACCIANO_2	6	Max WS	-0.57	247.06	249.51		249.51	0.000000	-0.03	39.78	91.64	0.01
GRACCIANO_2	5.50	Strada Vicinale	Culvert									
GRACCIANO_2	5	Max WS	-0.56	246.84	249.51		249.51	0.000000	-0.03	41.66	92.22	0.01
GRACCIANO_2	4.91		Lat Struct									
GRACCIANO_2	4	Max WS	-2.74	246.83	249.51		249.51	0.000018	-0.17	25.03	107.26	0.04
GRACCIANO_2	3.9		Lat Struct									
GRACCIANO_2	3	Max WS	-2.75	246.77	249.51	247.26	249.51	0.000007	0.12	34.42	73.95	0.03
GRACCIANO_2	2.5		Inl Struct									
GRACCIANO_2	2	Max WS	-2.75	246.37	249.52		249.52	0.000005	-0.11	37.70	74.79	0.02
GRACCIANO_2	1.91		Lat Struct									
GRACCIANO_2	1.4	Max WS	-2.75	246.37	249.52		249.52	0.000005	-0.11	37.62	74.65	0.02
GRACCIANO_2	1	Max WS	-3.05	247.09	249.52		249.52	0.000012	-0.13	38.60	87.11	0.03
GRACCIANO_2	0.99	Max WS	1.05	247.05	249.52		249.52	0.000001	0.04	42.14	87.31	0.01
GRACCIANO_2	0.8		Culvert									
GRACCIANO_2	0.7	Max WS	1.01	246.90	249.38		249.38	0.000002	0.06	17.70	14.29	0.02
GRACCIANO_2	0.6	Max WS	1.02	246.80	249.38		249.38	0.000002	0.06	19.22	16.20	0.01
GRACCIANO_2_vall	0.5	Max WS	6.60	246.57	249.36	247.43	249.37	0.000050	0.36	22.46	30.03	0.08
GRACCIANO_2_vall	0.45		Bridge									
GRACCIANO_2_vall	0.4	Max WS	6.63	246.57	249.37		249.37	0.000038	0.31	37.51	75.35	0.07
GRACCIANO_2_vall	0.3	Max WS	3.90	245.82	249.36	246.69	249.36	0.000007	0.16	31.41	22.73	0.03



ALLEGATI

MODELLAZIONE HEC-RAS 5.0.3 "Montepulciano stazione valle"

DOCCIA DI GRACCIANO

MODELLAZIONE PER TR=200 anni

DURATE DI PIOGGIA: 4h

Dati idraulici

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
GRACCIANO_2	37	Max WS	9.90	251.05	252.57		252.64	0.003181	1.53	11.05	35.41	0.48
GRACCIANO_2	36	Max WS	9.86	251.00	252.24	252.27	252.35	0.008399	2.06	9.55	65.84	0.69
GRACCIANO_2	35.91		Lat Struct									
GRACCIANO_2	35	Max WS	9.82	250.80	252.08		252.09	0.001020	0.75	28.26	129.96	0.25
GRACCIANO_2	34.50	Accesso Privato	Culvert									
GRACCIANO_2	34	Max WS	9.83	250.83	252.07		252.08	0.001018	0.71	28.34	129.42	0.23
GRACCIANO_2	33.91		Lat Struct									
GRACCIANO_2	33	Max WS	9.80	250.71	252.07		252.08	0.000923	0.69	28.88	129.18	0.23
GRACCIANO_2	32.50	Accesso Privato	Culvert									
GRACCIANO_2	32	Max WS	9.80	250.61	252.04		252.06	0.001858	1.07	22.20	126.18	0.34
GRACCIANO_2	31.91		Lat Struct									
GRACCIANO_2	31.9		Lat Struct									
GRACCIANO_2	31	Max WS	8.11	250.72	251.84		251.85	0.000374	0.49	30.66	96.25	0.16
GRACCIANO_2	30	Max WS	0.72	251.07	251.81	251.48	251.82	0.000782	0.50	1.79	6.83	0.22
GRACCIANO_2	29.5		Inl Struct									
GRACCIANO_2	29	Max WS	0.72	250.36	251.03		251.08	0.005263	1.03	0.76	3.50	0.51
GRACCIANO_2	28	Max WS	0.72	249.76	250.39		250.42	0.003987	0.86	0.83	2.35	0.46
GRACCIANO_2	27	Max WS	0.72	249.29	249.84		249.89	0.005645	1.00	0.72	2.11	0.55
GRACCIANO_2	26	Max WS	0.71	248.60	249.66		249.66	0.000167	0.27	2.64	3.98	0.11
GRACCIANO_2	25.50	Accesso Privato	Culvert									
GRACCIANO_2	25	Max WS	0.70	248.57	249.63		249.63	0.000184	0.28	2.52	3.77	0.11
GRACCIANO_2	24	Max WS	0.70	247.93	249.62		249.62	0.000016	0.11	6.31	6.15	0.04
GRACCIANO_2	23	Max WS	0.70	247.95	249.62		249.62	0.000022	0.12	5.67	6.09	0.04
GRACCIANO_2	22.50	Accesso Privato	Culvert									
GRACCIANO_2	22	Max WS	0.70	247.94	249.61		249.61	0.000022	0.13	5.61	5.73	0.04
GRACCIANO_2	21	Max WS	0.70	247.93	249.61		249.61	0.000016	0.11	6.51	6.93	0.04
GRACCIANO_2	20.50	Accesso Privato	Culvert									
GRACCIANO_2	20	Max WS	0.70	247.99	249.60		249.60	0.000022	0.12	5.69	6.18	0.04
GRACCIANO_2	19	Max WS	0.70	248.03	249.60		249.60	0.000018	0.12	6.25	8.92	0.04
GRACCIANO_2	18.50	Via Laurentana N	Culvert									
GRACCIANO_2	18	Max WS	0.70	247.85	249.59		249.59	0.000021	0.12	5.76	6.17	0.04
GRACCIANO_2	17	Max WS	0.70	247.82	249.59		249.59	0.000019	0.12	5.91	5.90	0.04
GRACCIANO_2	16.50	Accesso Privato	Culvert									
GRACCIANO_2	16	Max WS	0.70	247.91	249.58		249.58	0.000017	0.11	6.34	6.58	0.04
GRACCIANO_2	15	Max WS	0.70	247.82	249.58		249.58	0.000016	0.11	6.40	6.40	0.04
GRACCIANO_2	14.50	Accesso Privato	Culvert									
GRACCIANO_2	14	Max WS	0.70	247.73	249.57		249.57	0.000012	0.10	7.23	7.15	0.03
GRACCIANO_2	13	Max WS	0.70	247.79	249.57		249.57	0.000018	0.12	6.02	9.09	0.04
GRACCIANO_2	12.50	Accesso Privato	Culvert									
GRACCIANO_2	12	Max WS	0.70	247.78	249.55		249.55	0.000021	0.12	5.63	5.63	0.04
GRACCIANO_2	11	Max WS	0.70	247.69	249.55		249.55	0.000008	0.09	12.67	52.39	0.03
GRACCIANO_2	10.50	Accesso Privato	Culvert									
GRACCIANO_2	10	Max WS	0.70	247.60	249.55		249.55	0.000008	0.08	12.56	52.68	0.03
GRACCIANO_2	9	Max WS	0.70	247.45	249.55		249.55	0.000007	0.08	8.65	8.45	0.02
GRACCIANO_2	8.50	Podere Le Manzin	Culvert									
GRACCIANO_2	8	Max WS	0.70	247.31	249.54		249.54	0.000003	0.06	12.61	13.67	0.02
GRACCIANO_2	7.91		Lat Struct									
GRACCIANO_2	7	Max WS	0.69	247.10	249.54		249.54	0.000002	0.05	23.22	66.40	0.01
GRACCIANO_2	6	Max WS	-1.43	247.06	249.54		249.54	0.000002	-0.06	42.71	91.83	0.02
GRACCIANO_2	5.50	Strada Vicinale	Culvert									
GRACCIANO_2	5	Max WS	-1.43	246.84	249.54		249.54	0.000002	-0.06	44.67	92.38	0.01
GRACCIANO_2	4.91		Lat Struct									
GRACCIANO_2	4	Max WS	-5.68	246.83	249.54		249.55	0.000067	-0.33	28.56	107.38	0.08
GRACCIANO_2	3.9		Lat Struct									
GRACCIANO_2	3	Max WS	-6.05	246.77	249.55	247.51	249.55	0.000030	0.24	37.49	79.77	0.06
GRACCIANO_2	2.5		Inl Struct									
GRACCIANO_2	2	Max WS	-6.06	246.37	249.56		249.56	0.000021	-0.22	41.12	81.20	0.05
GRACCIANO_2	1.91		Lat Struct									
GRACCIANO_2	1.4	Max WS	-6.05	246.37	249.56		249.56	0.000021	-0.22	41.04	81.06	0.05
GRACCIANO_2	1	Max WS	-8.23	247.09	249.57		249.57	0.000068	-0.31	42.85	87.35	0.08
GRACCIANO_2	0.99	Max WS	1.22	247.05	249.57		249.57	0.000001	0.04	46.75	87.57	0.01
GRACCIANO_2	0.8		Culvert									
GRACCIANO_2	0.7	Max WS	0.81	246.90	249.39		249.39	0.000001	0.05	17.90	14.55	0.01
GRACCIANO_2	0.6	Max WS	0.81	246.80	249.39		249.39	0.000001	0.04	19.45	16.46	0.01
GRACCIANO_2_vall	0.5	Max WS	8.41	246.57	249.37	247.53	249.38	0.000082	0.46	22.55	30.18	0.10
GRACCIANO_2_vall	0.45		Bridge									
GRACCIANO_2_vall	0.4	Max WS	8.71	246.57	249.37		249.38	0.000064	0.41	37.84	75.78	0.08
GRACCIANO_2_vall	0.3	Max WS	3.90	245.82	249.36	246.69	249.36	0.000007	0.16	31.41	22.73	0.03



ALLEGATI

MODELLAZIONE HEC-RAS 5.0.3 "Montepulciano stazione valle"

CANALE DOCCIA DI MOTTOLA

MODELLAZIONE PER TR=30 e 200 ANNI

DURATA DI PIOGGIA: 4h

Profilo longitudinale

Sezioni Trasversali

Dati idraulici



ALLEGATI

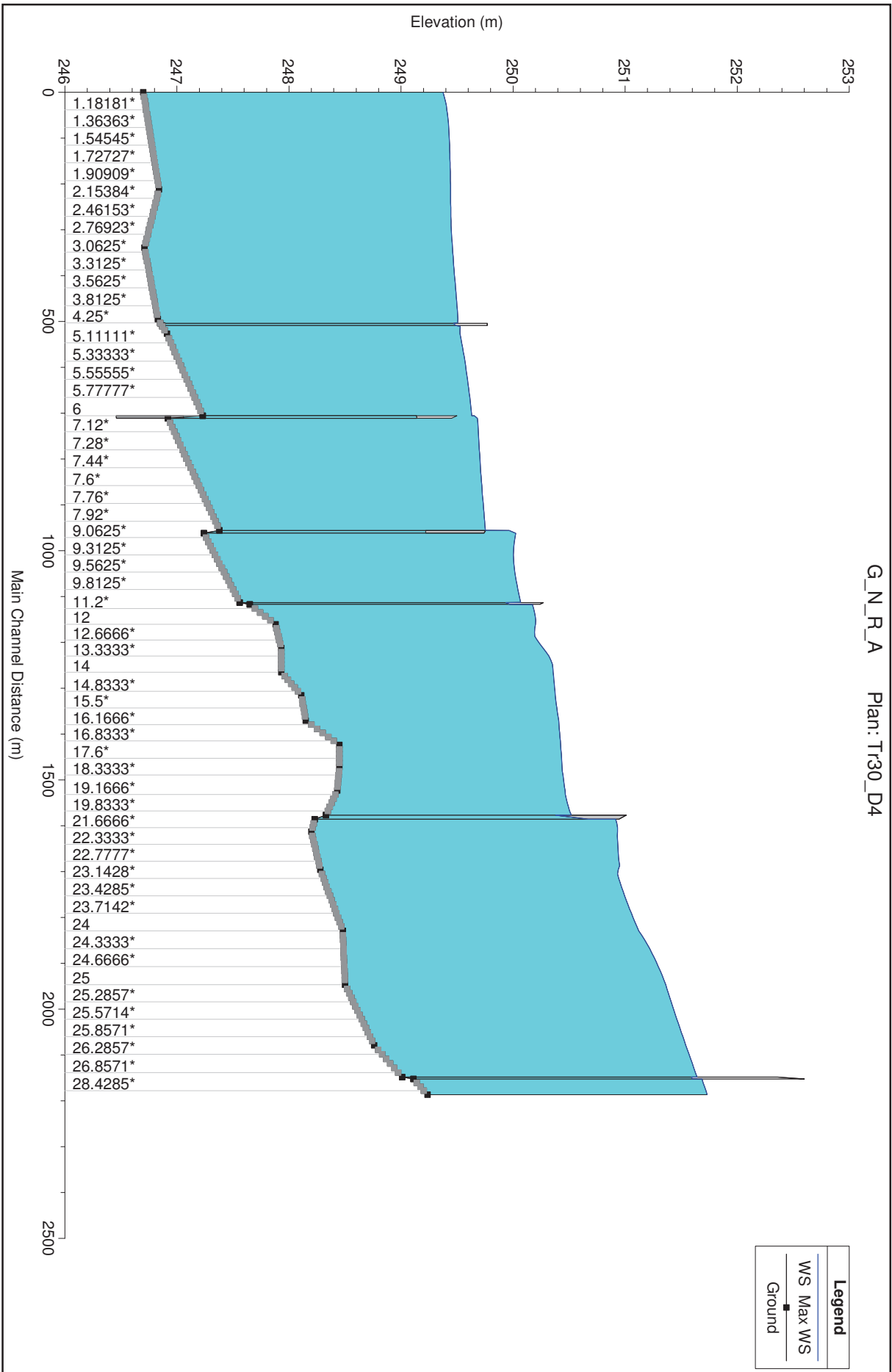
MODELLAZIONE HEC-RAS 5.0.3 "Montepulciano stazione valle"

CANALE DOCCIA DI MOTTOLA

MODELLAZIONE PER TR=30 anni

DURATE DI PIOGGIA: 4h

Profilo longitudinale





ALLEGATI

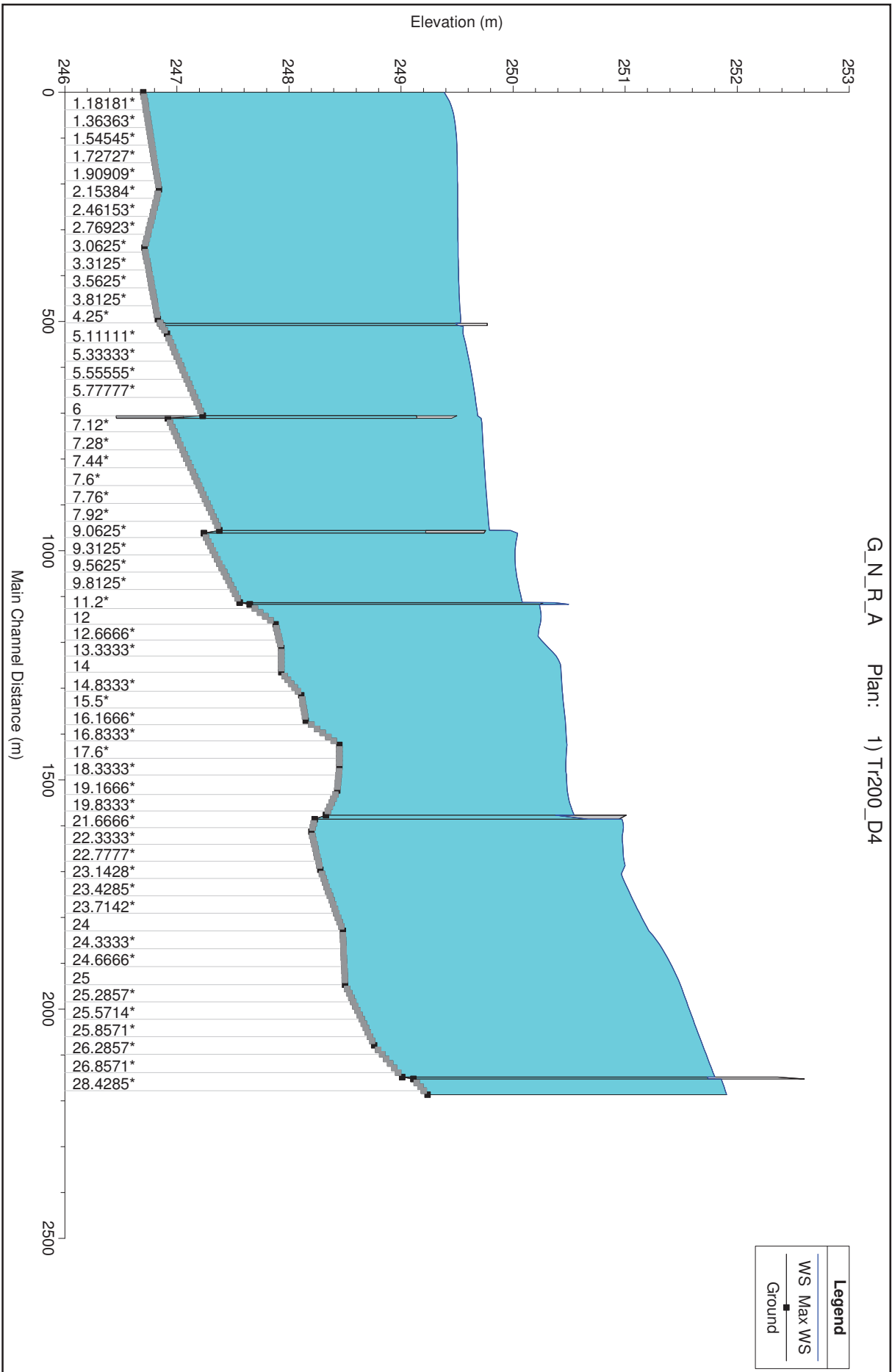
MODELLAZIONE HEC-RAS 5.0.3 "Montepulciano stazione valle"

CANALE DOCCIA DI MOTTOLA

MODELLAZIONE PER TR=200 anni

DURATE DI PIOGGIA: 4h

Profilo longitudinale





ALLEGATI

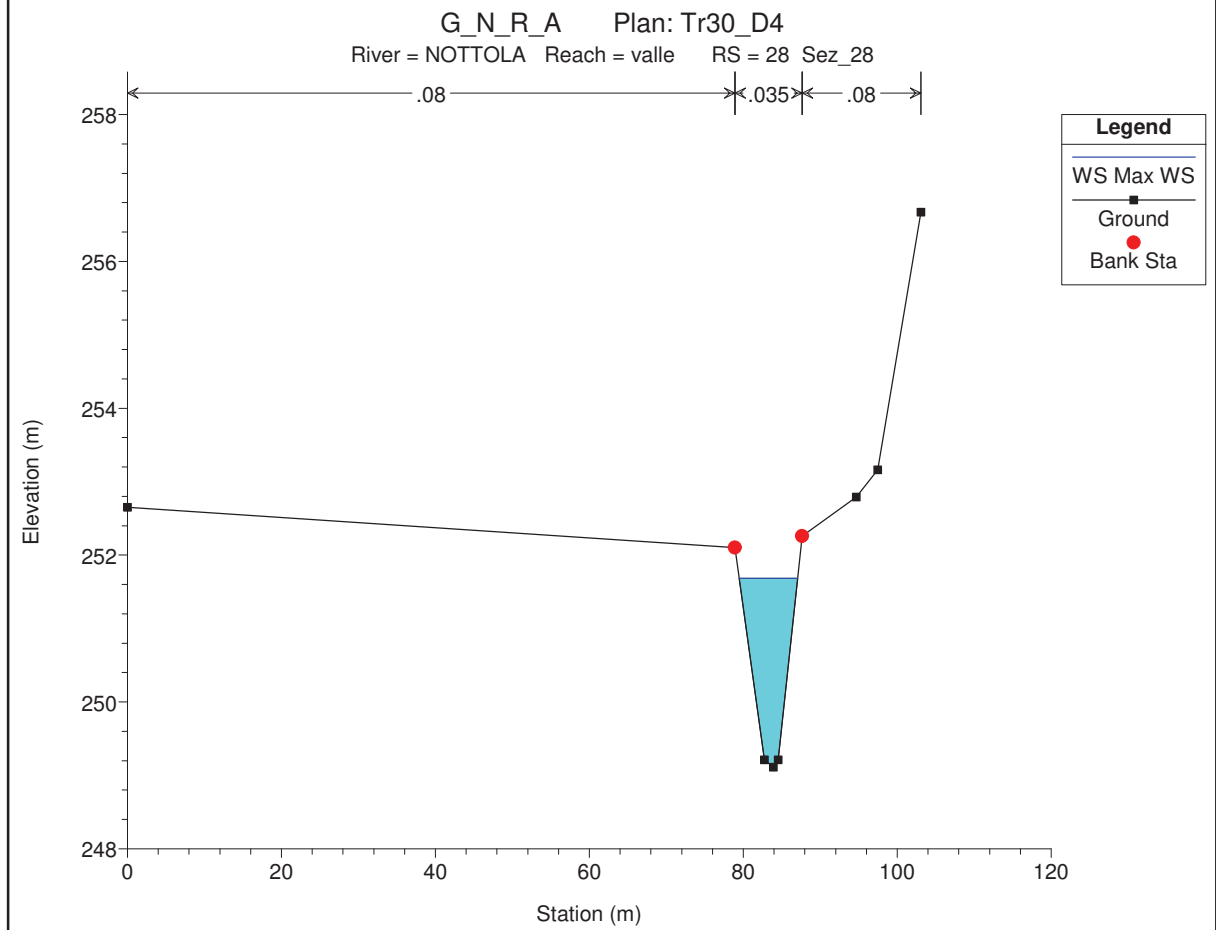
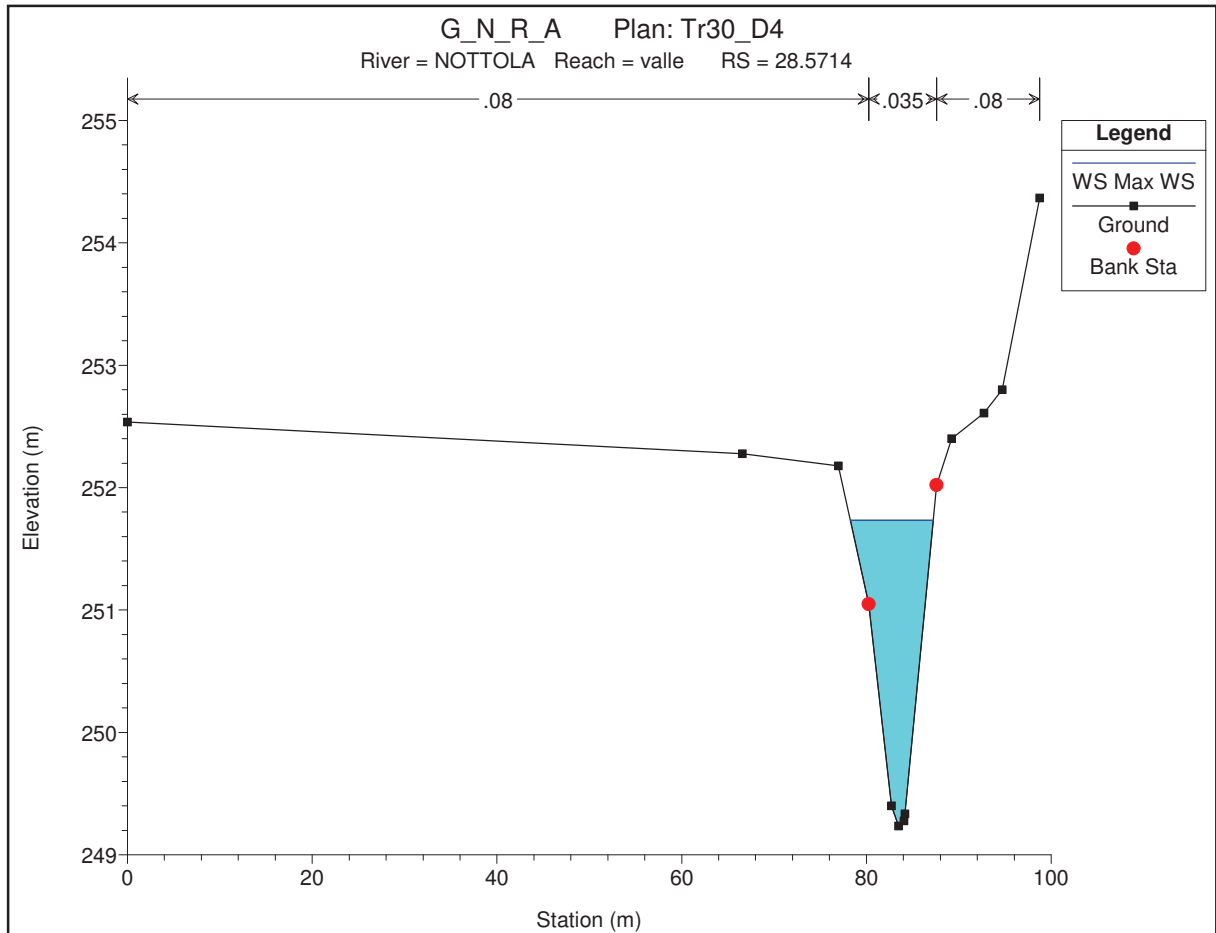
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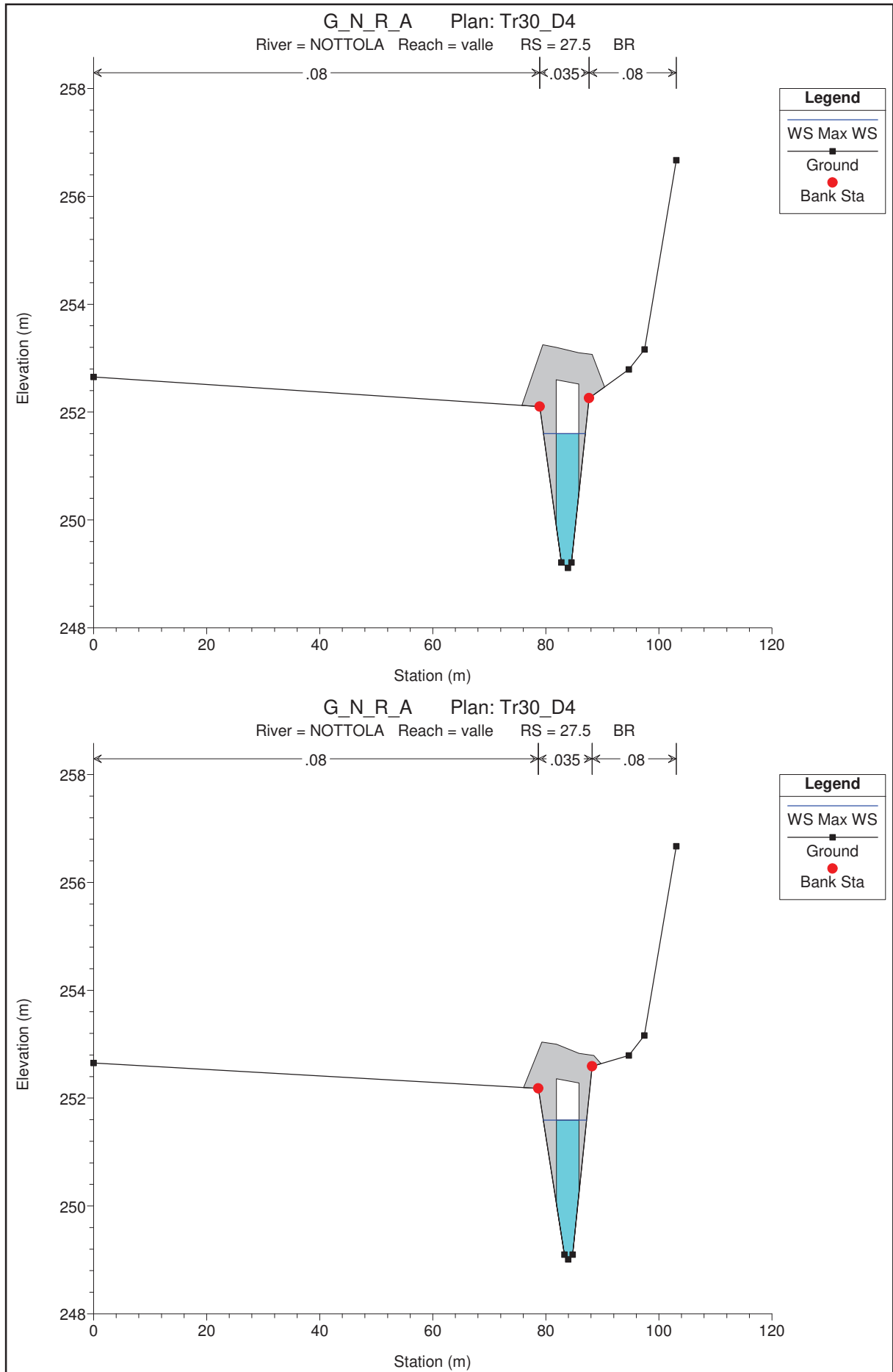
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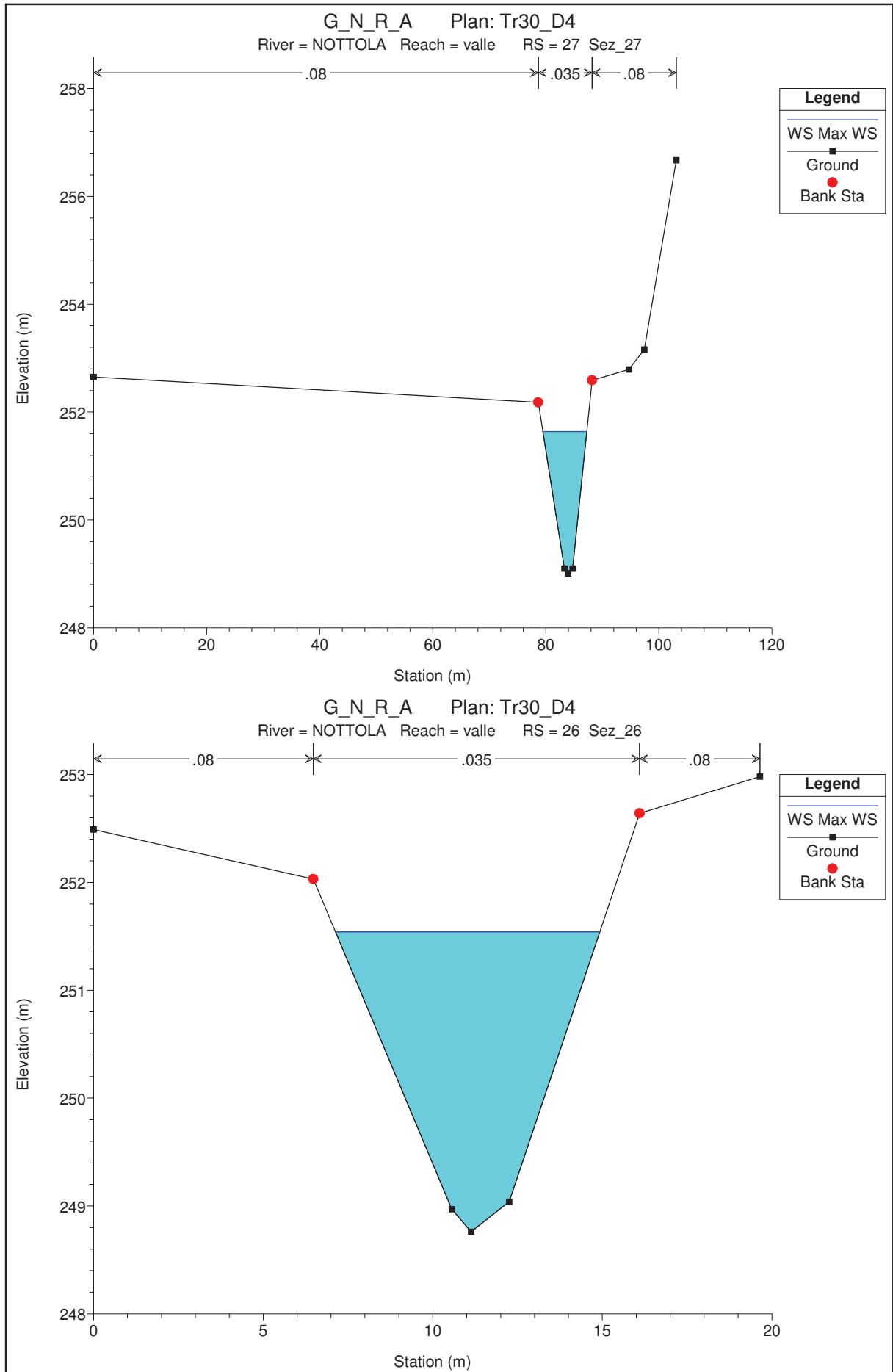
MODELLAZIONE PER TR=30 anni

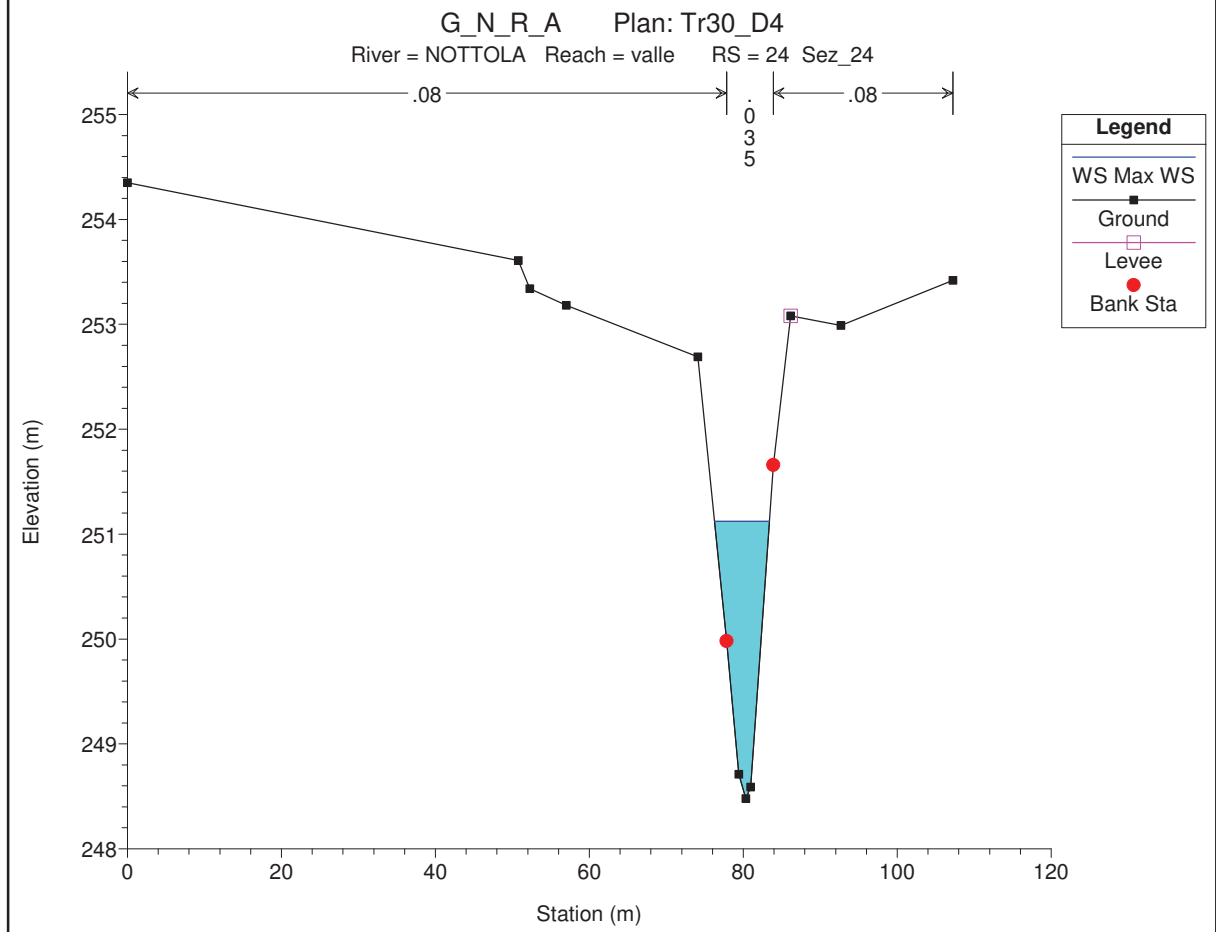
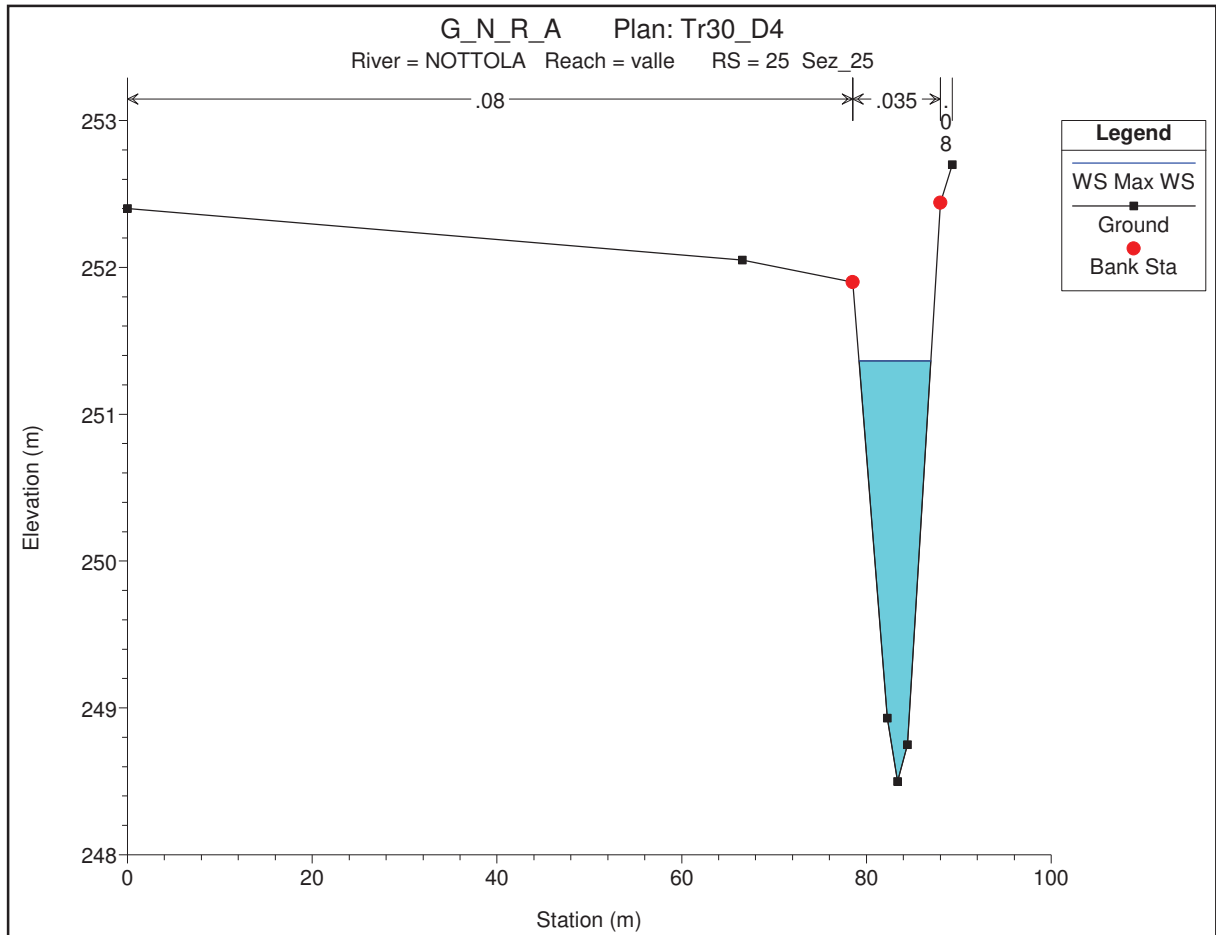
DURATE DI PIOGGIA: 4h

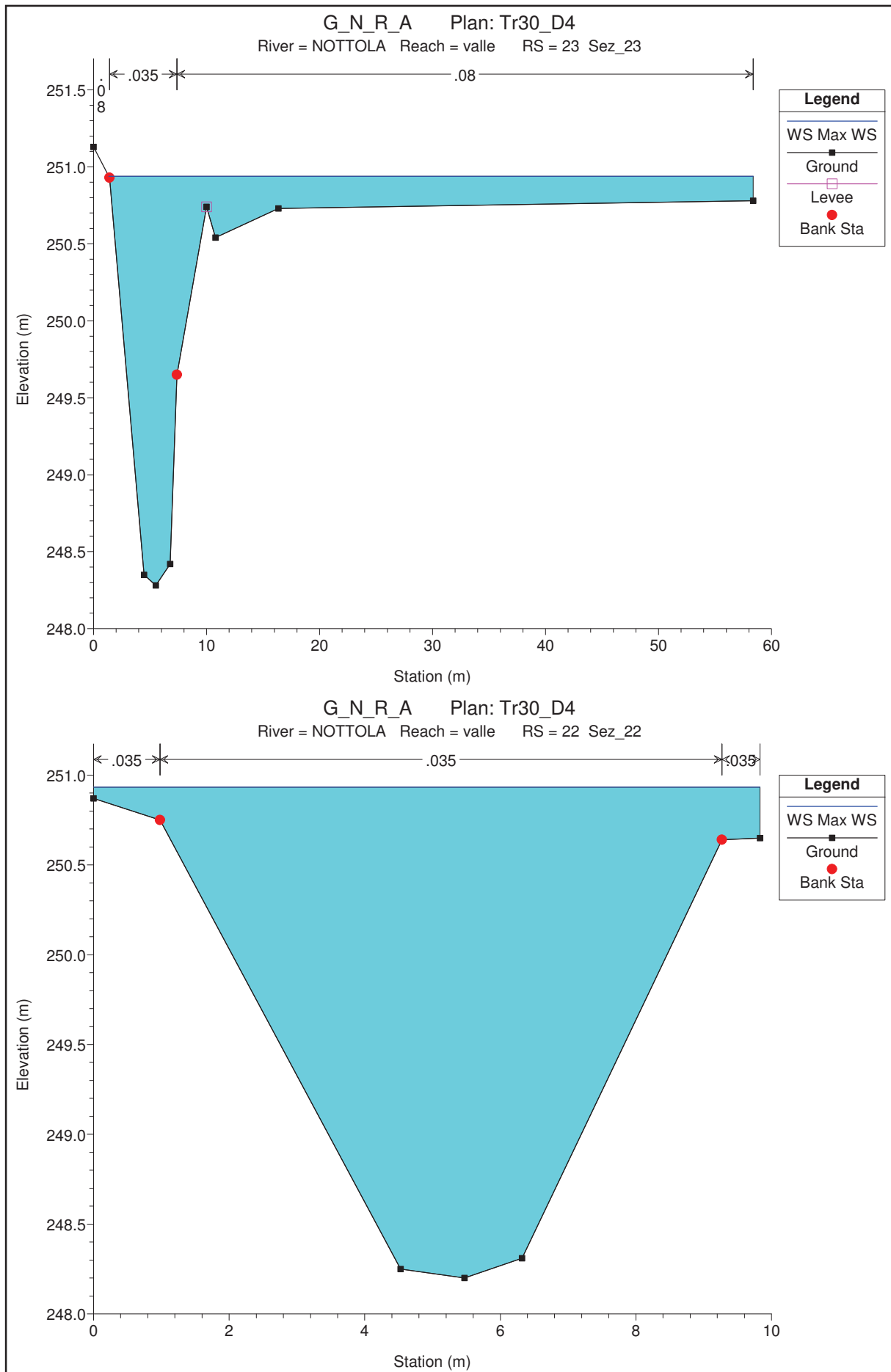
Sezioni Trasversali (da monte verso valle)

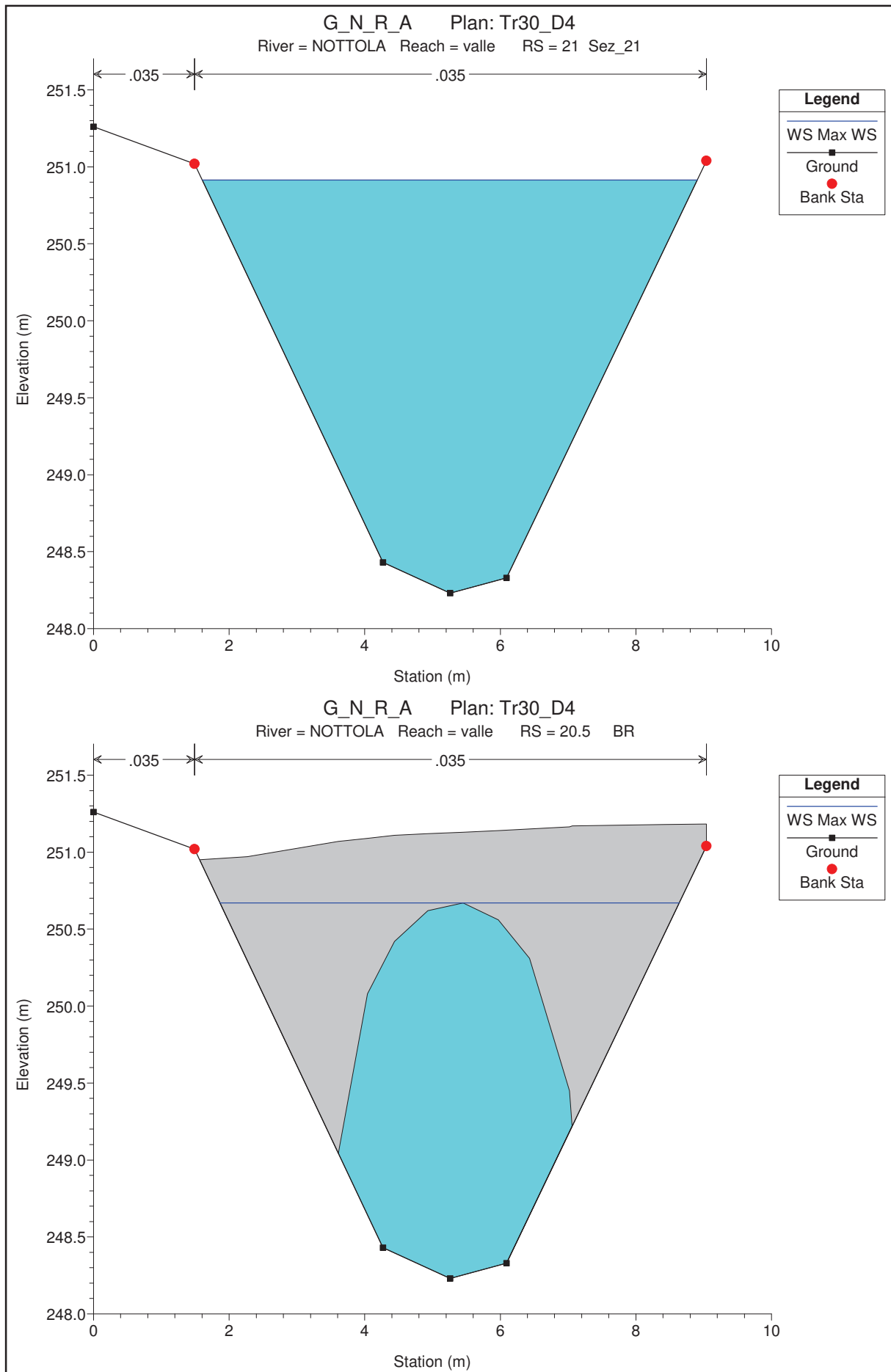


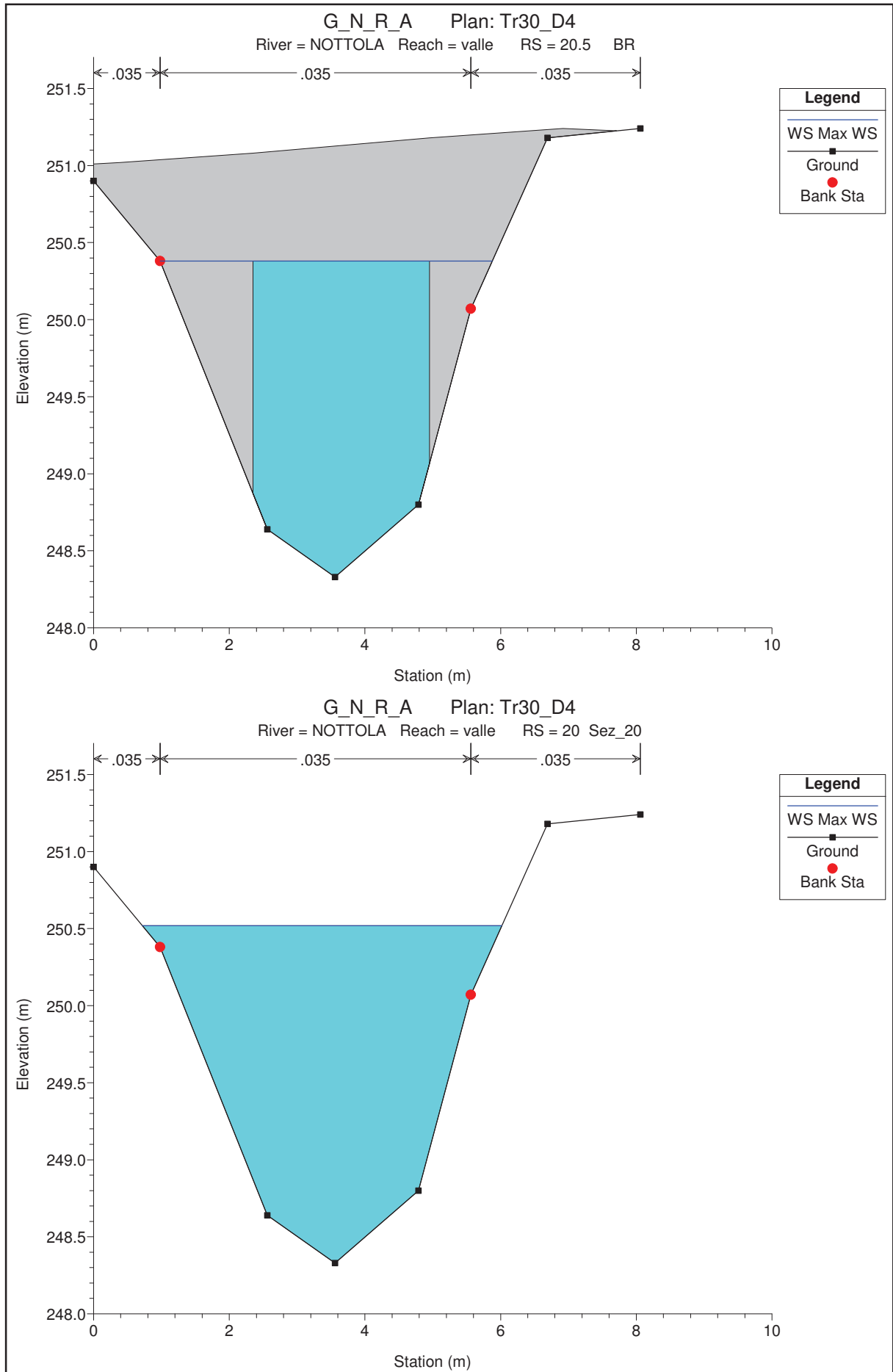


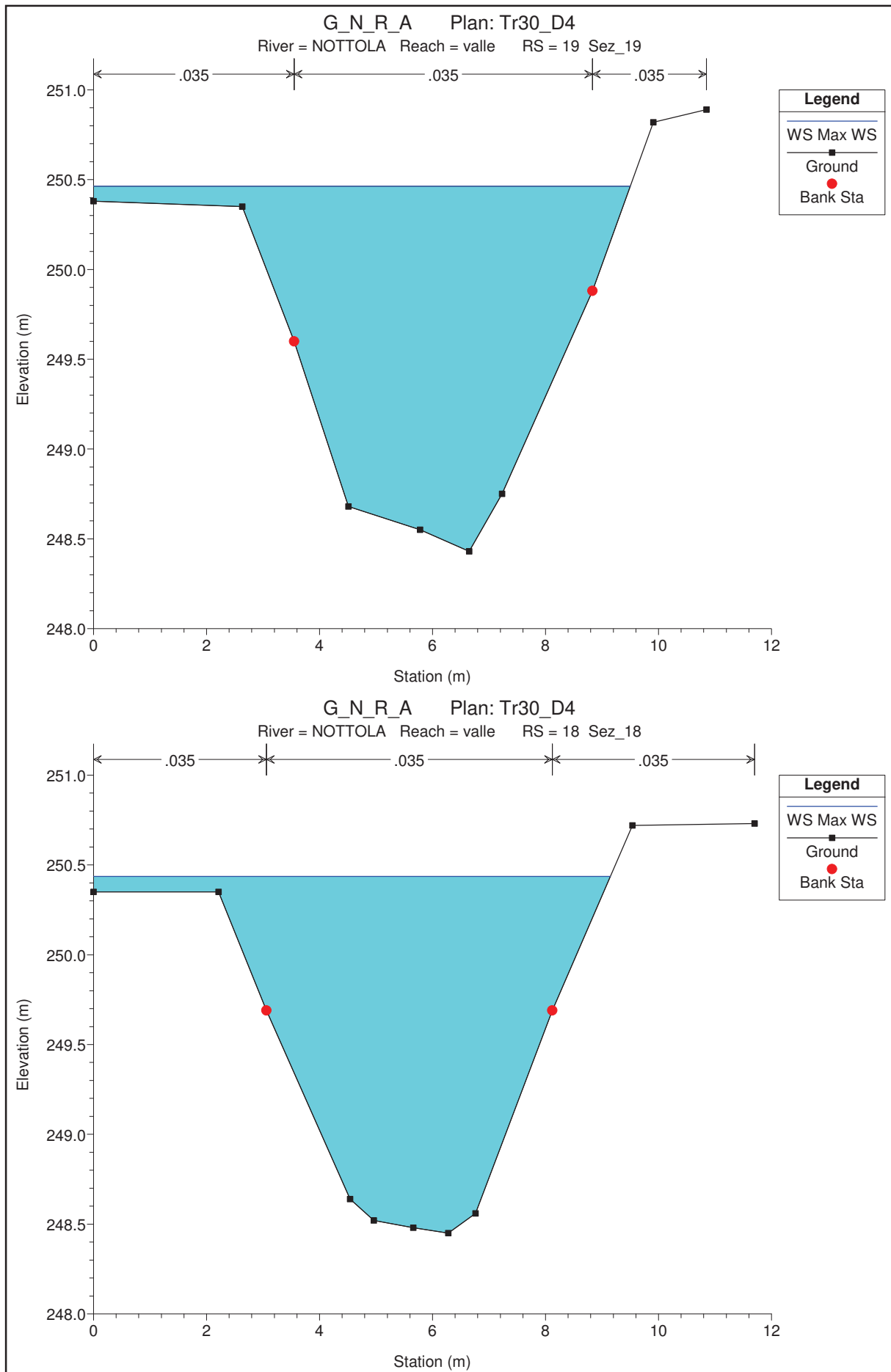


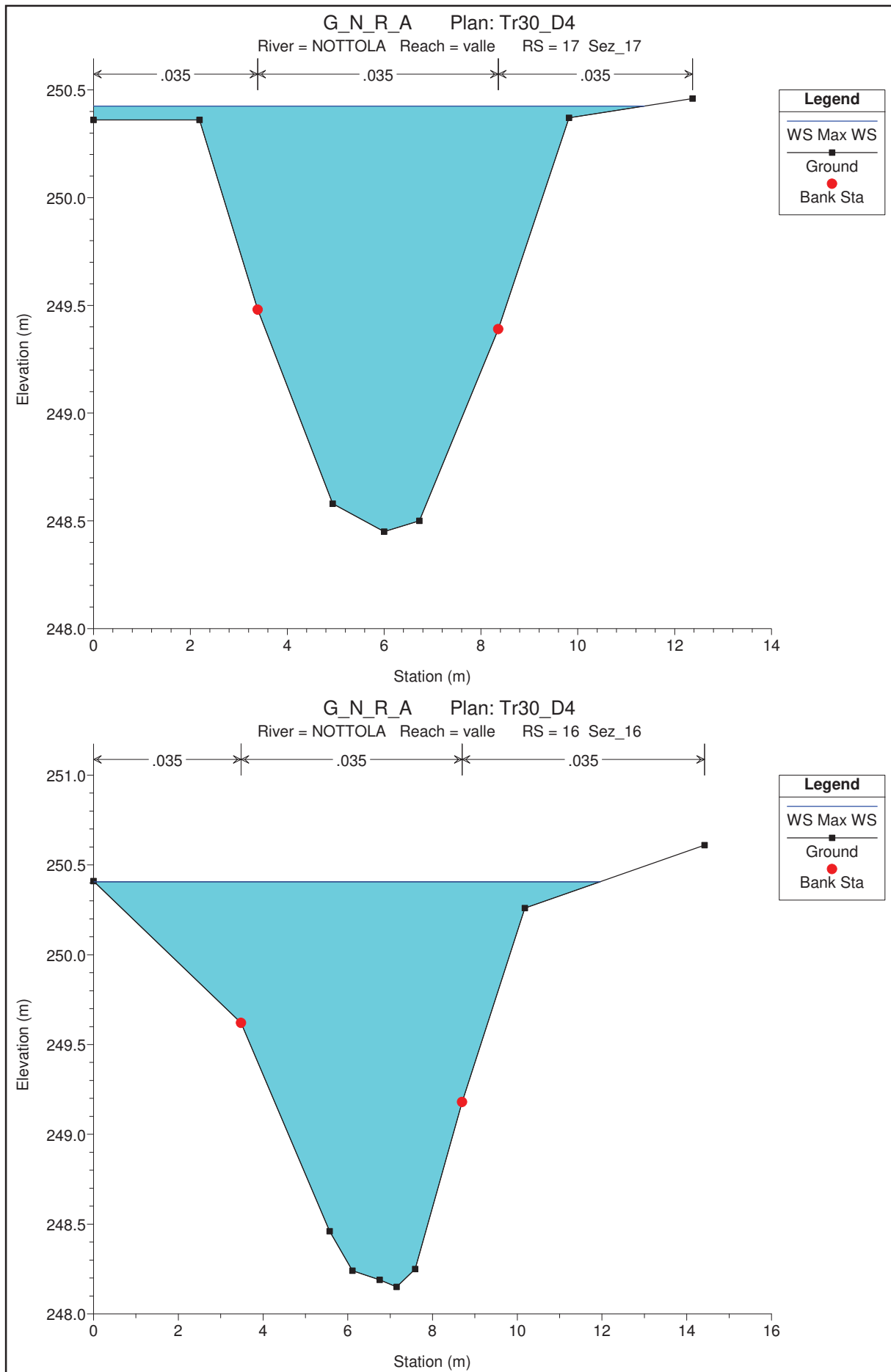


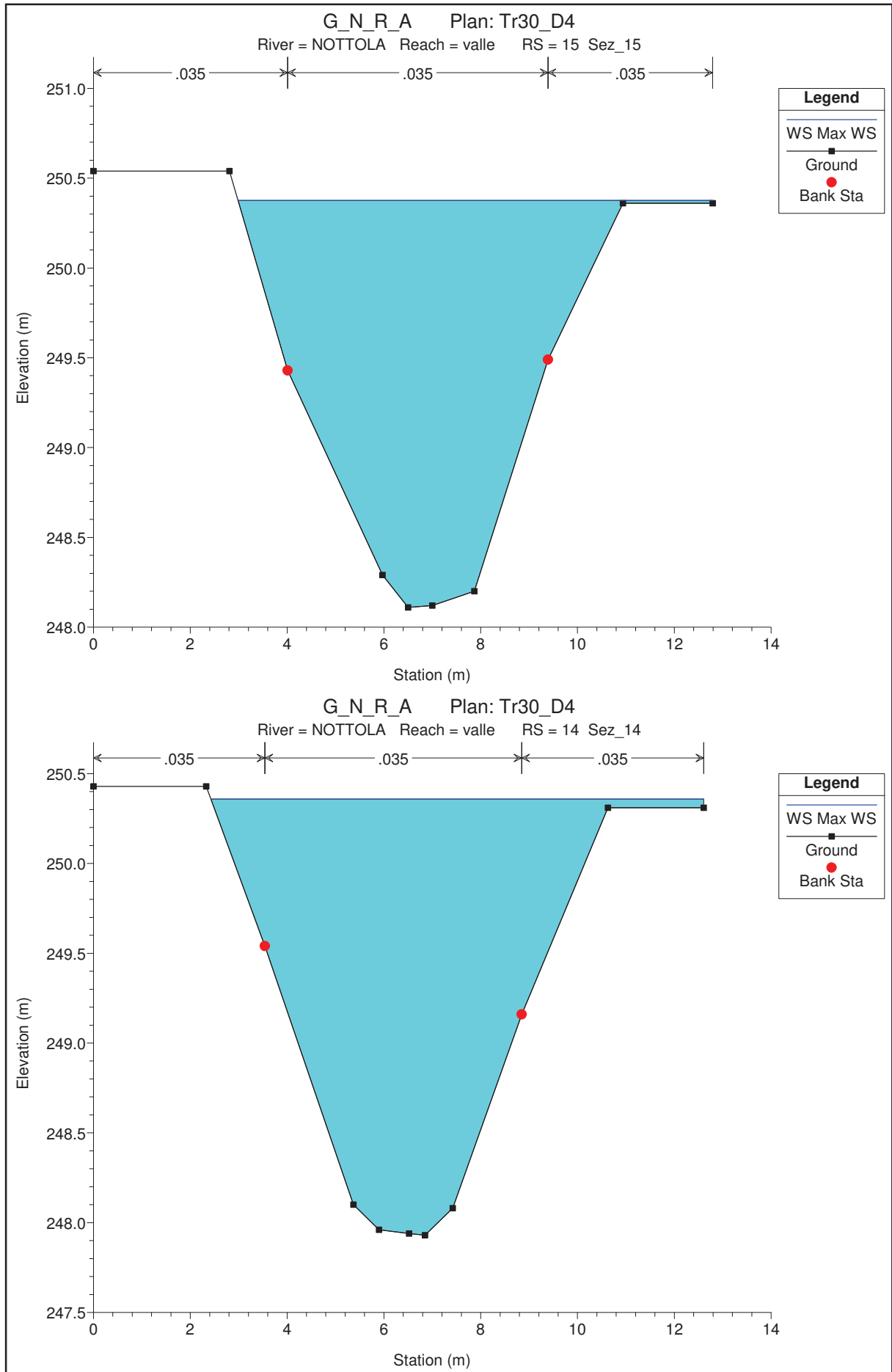


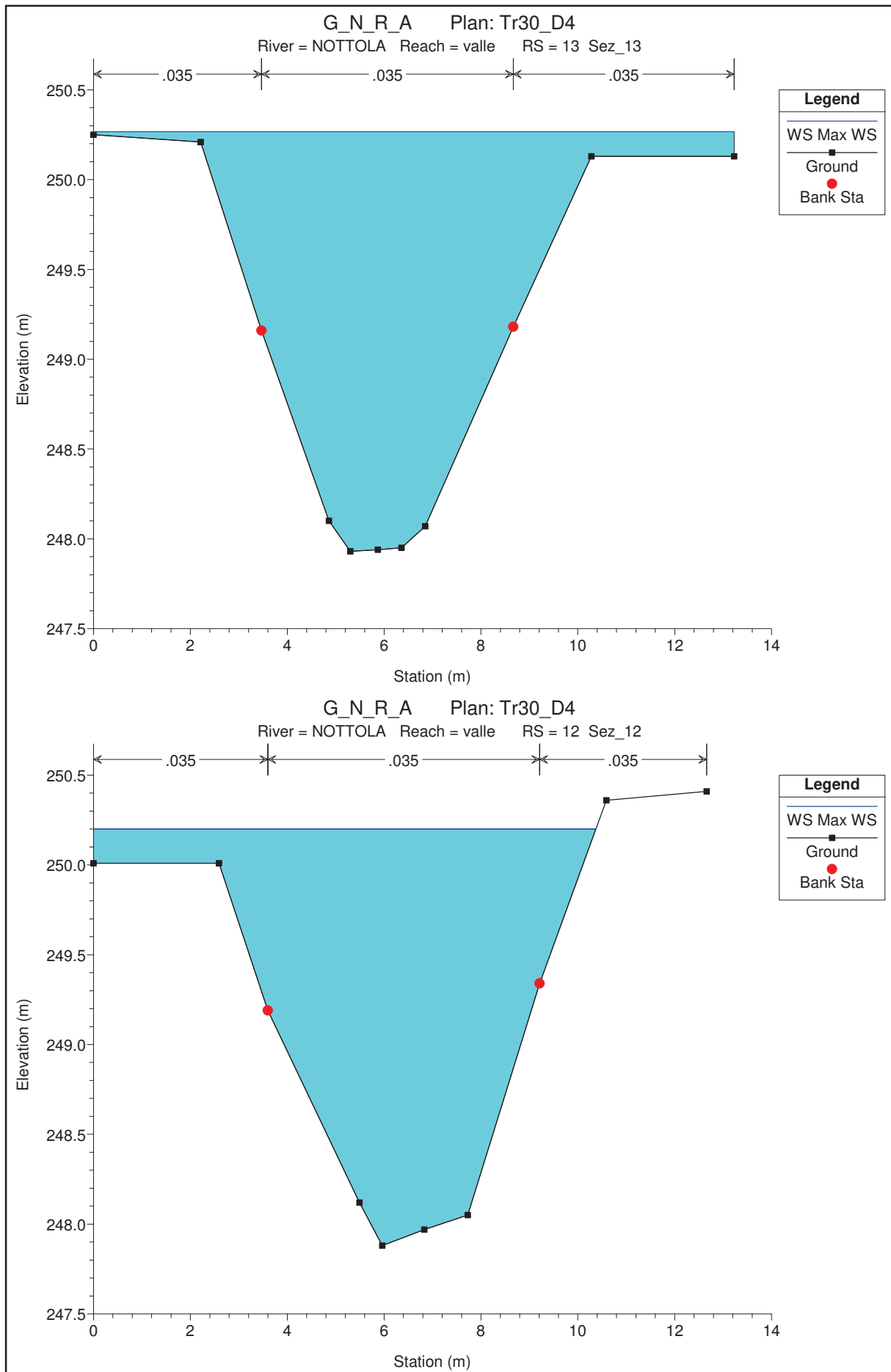


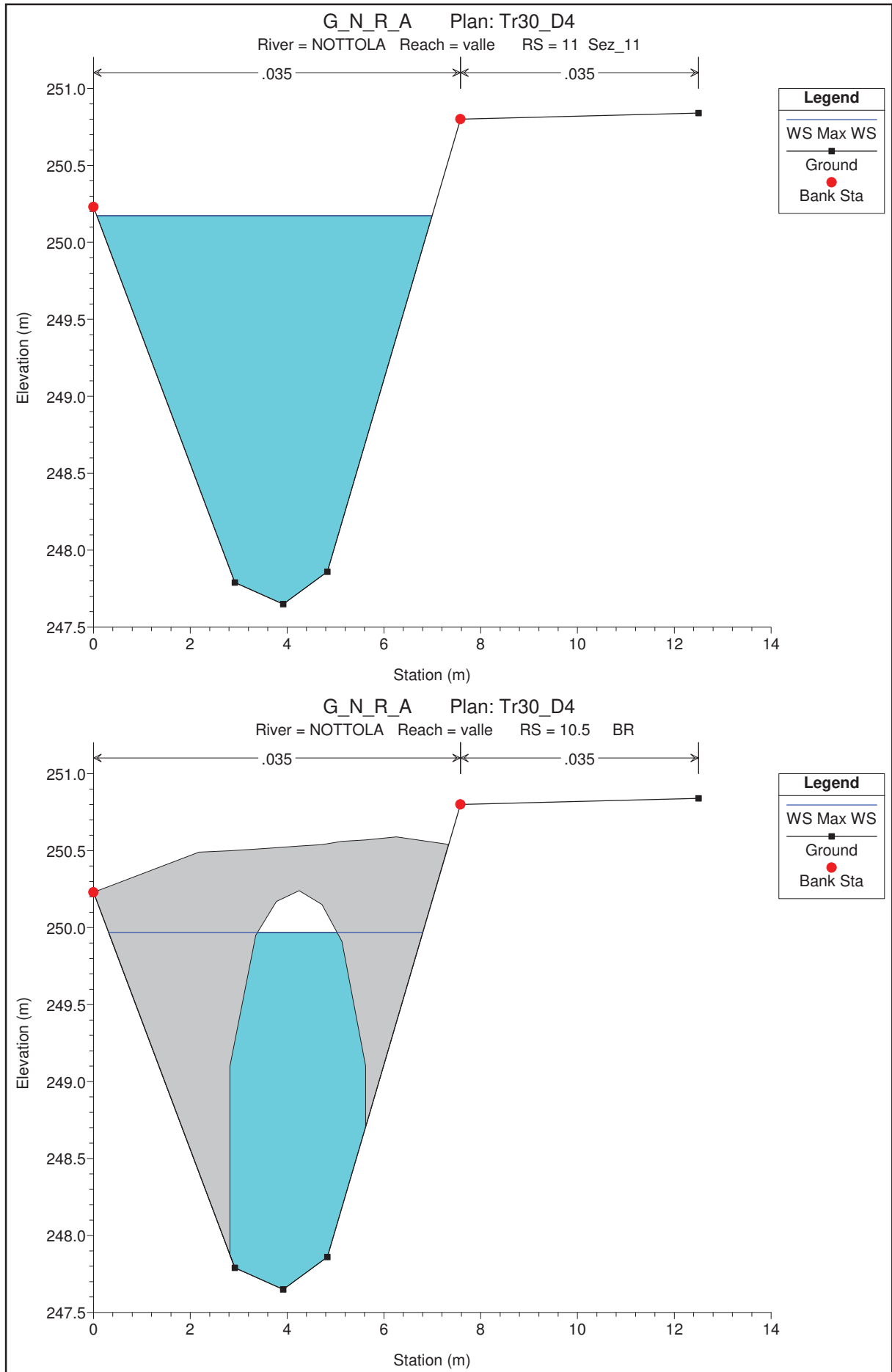


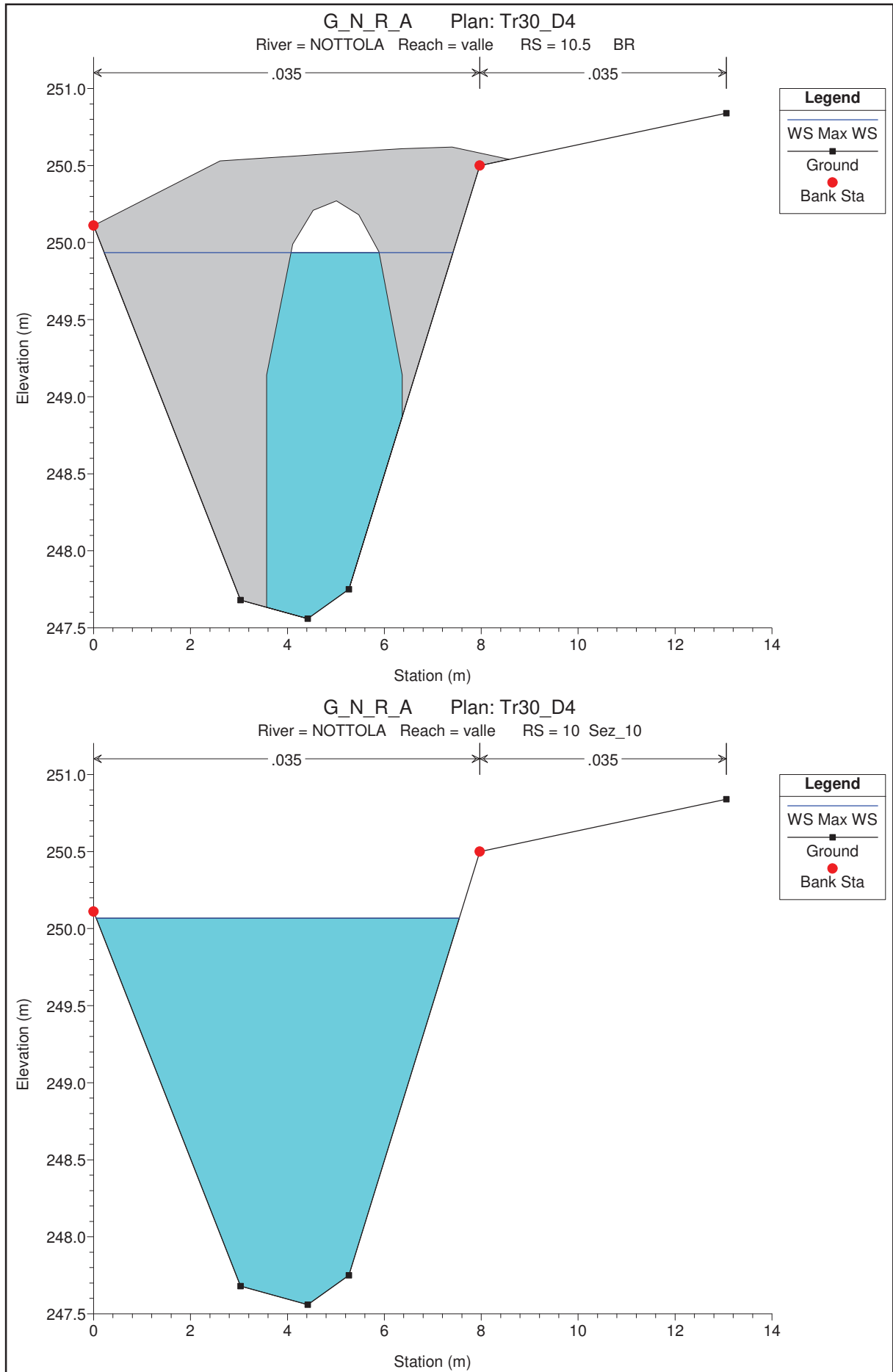


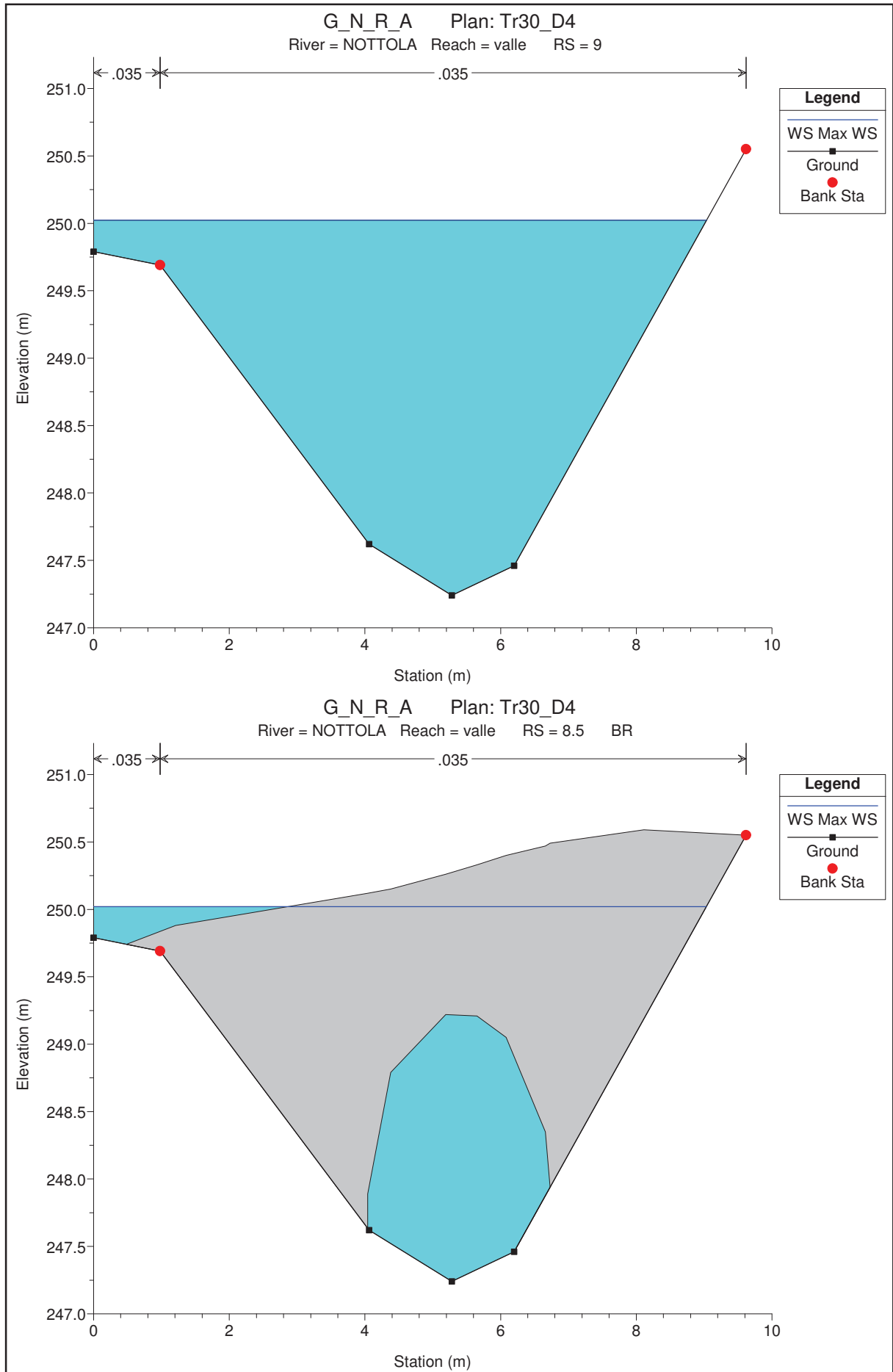


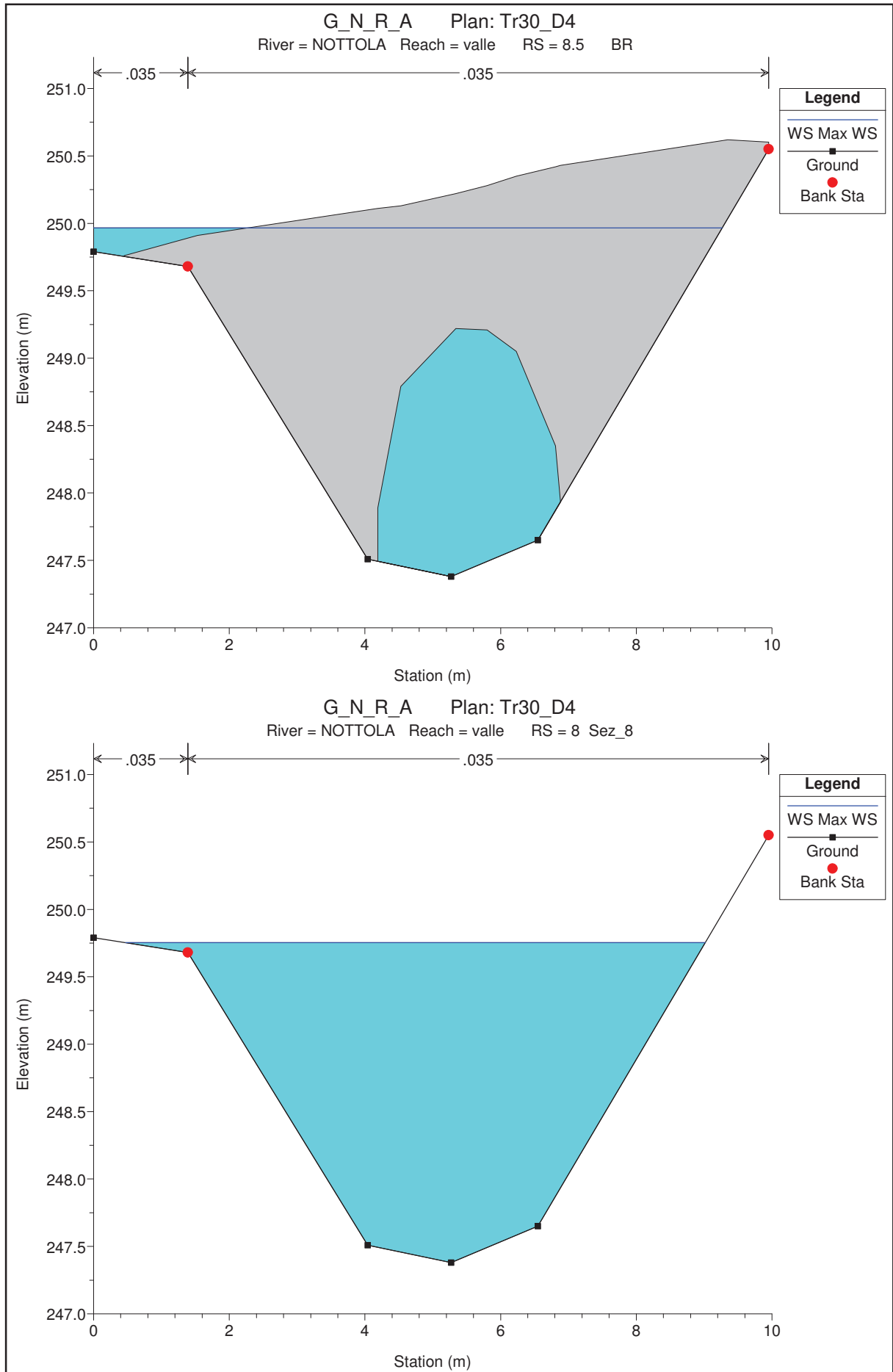


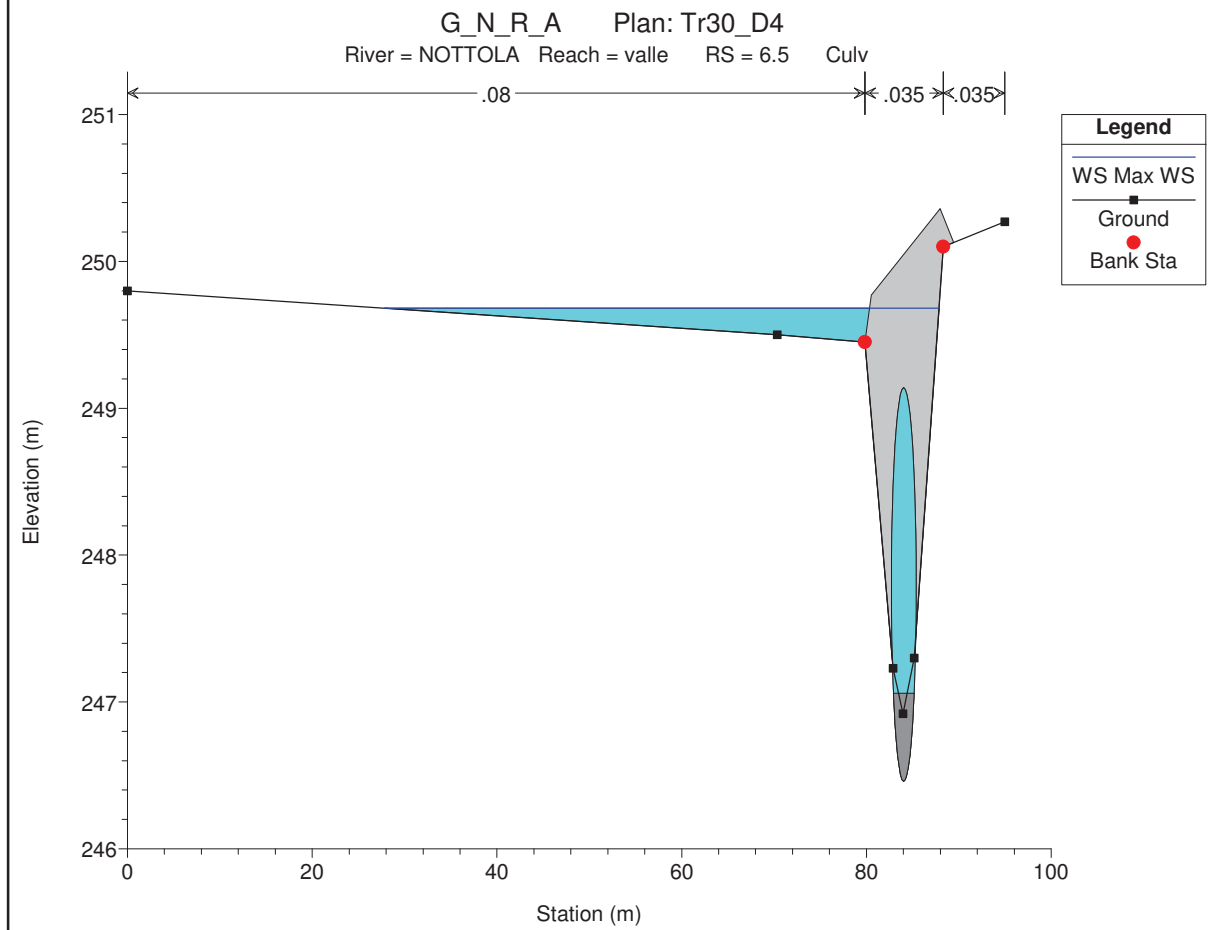
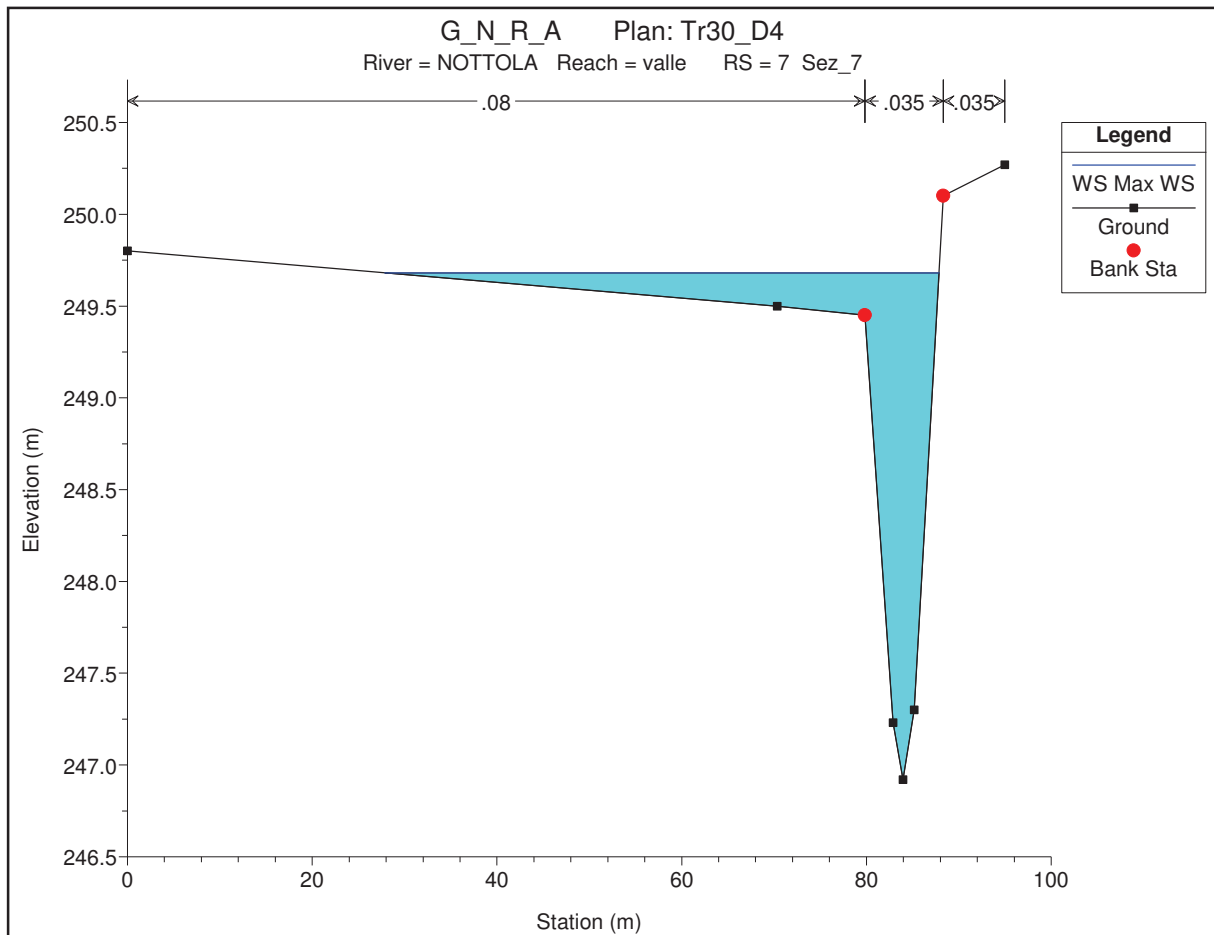


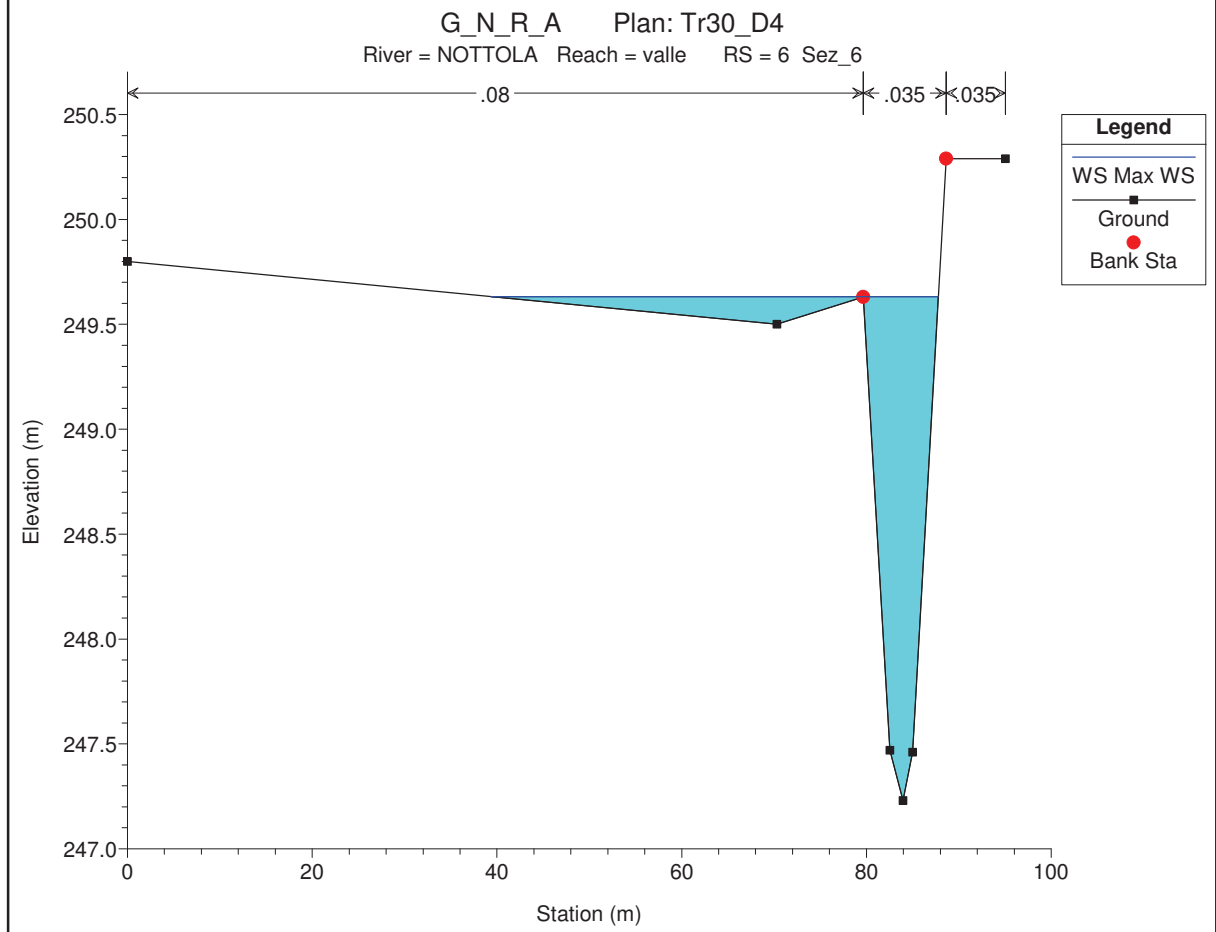
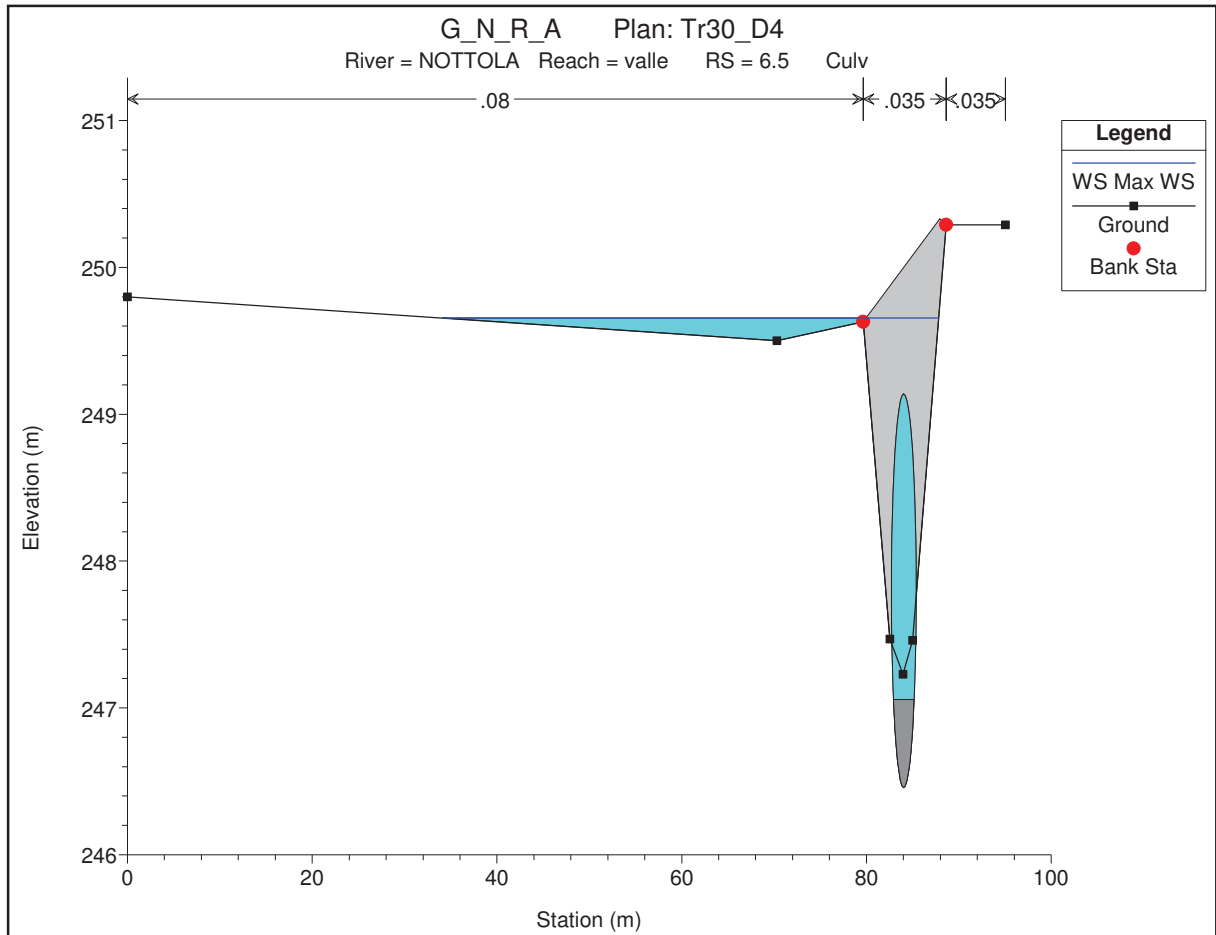


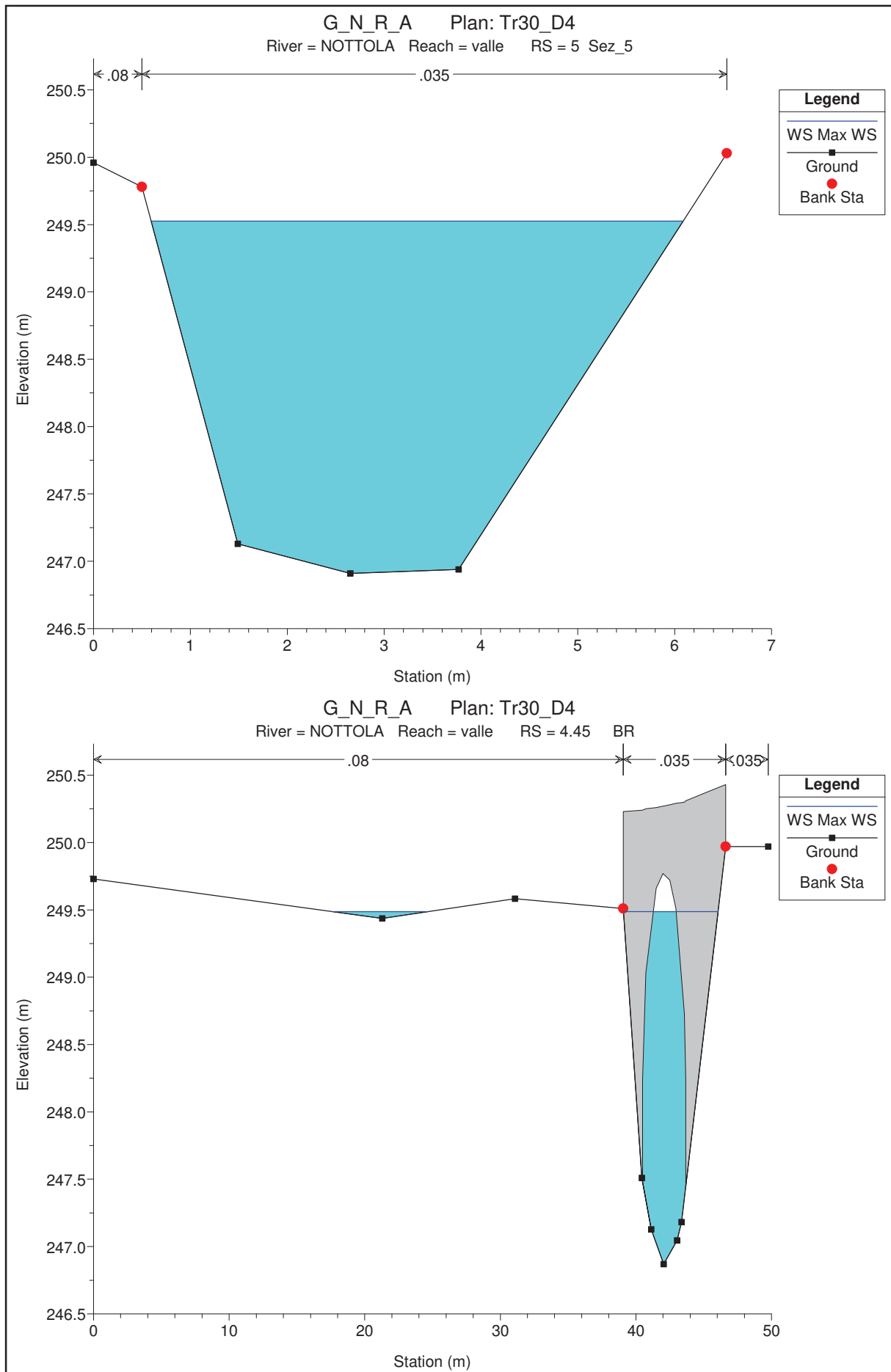


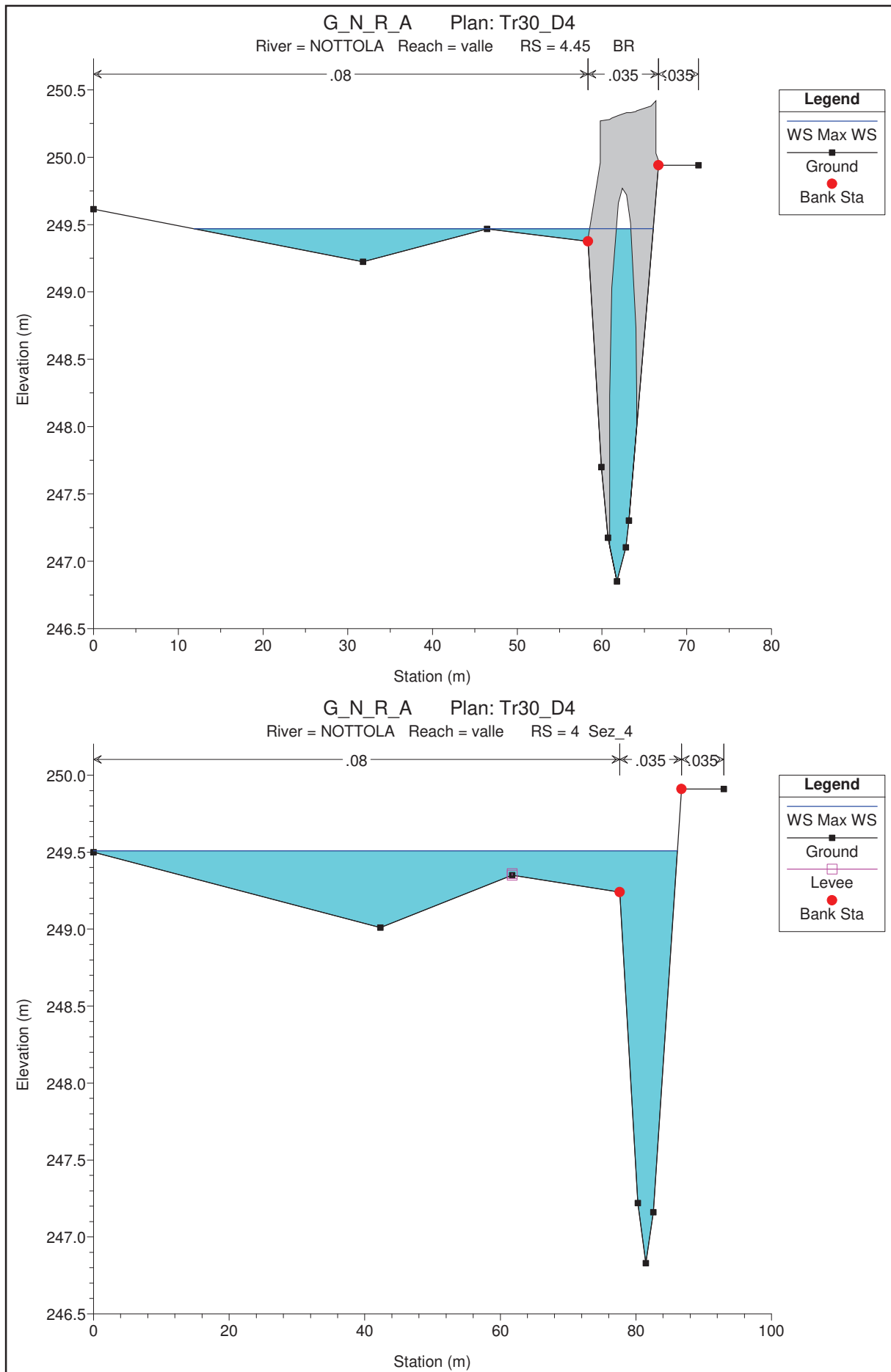


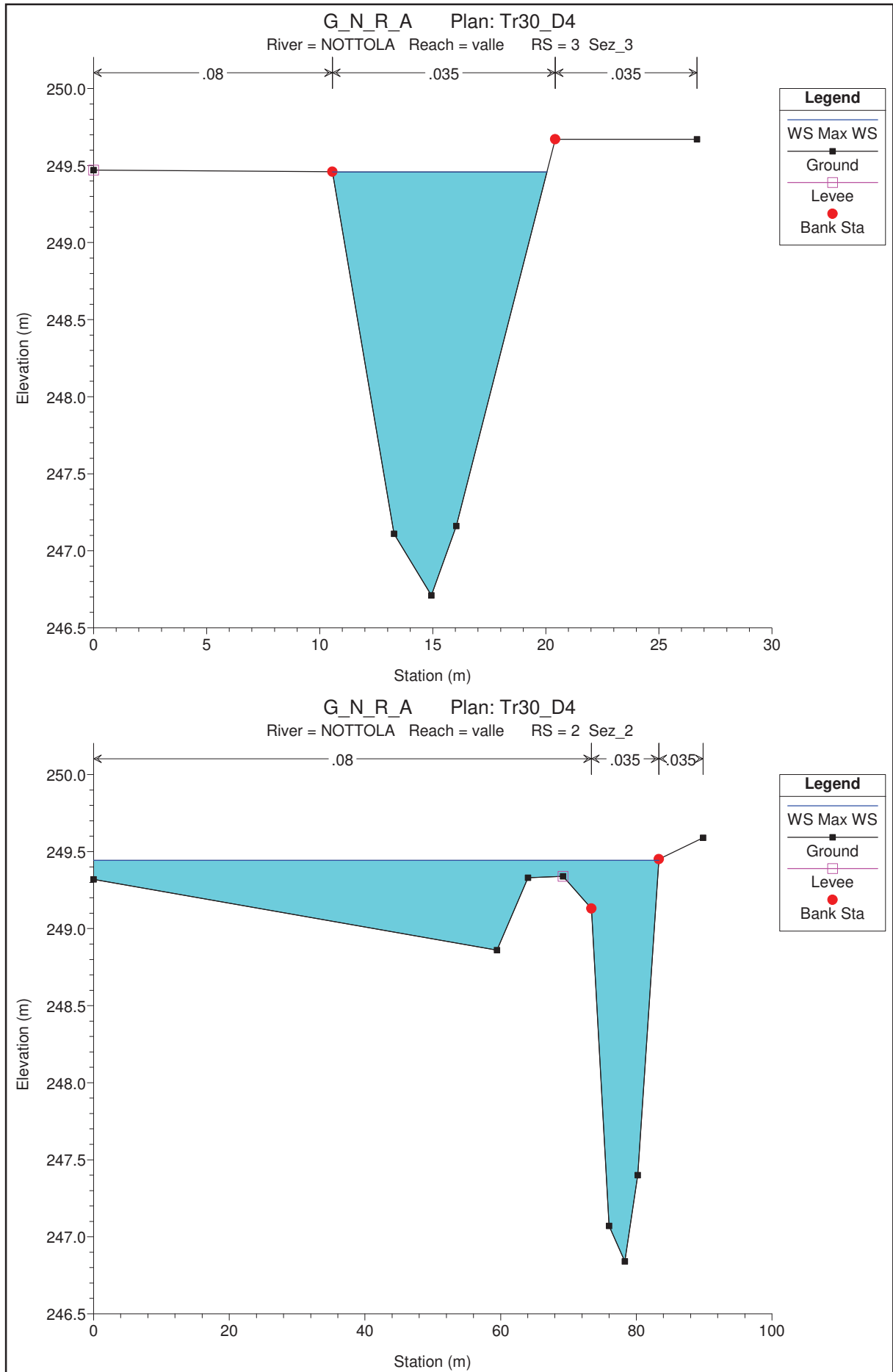


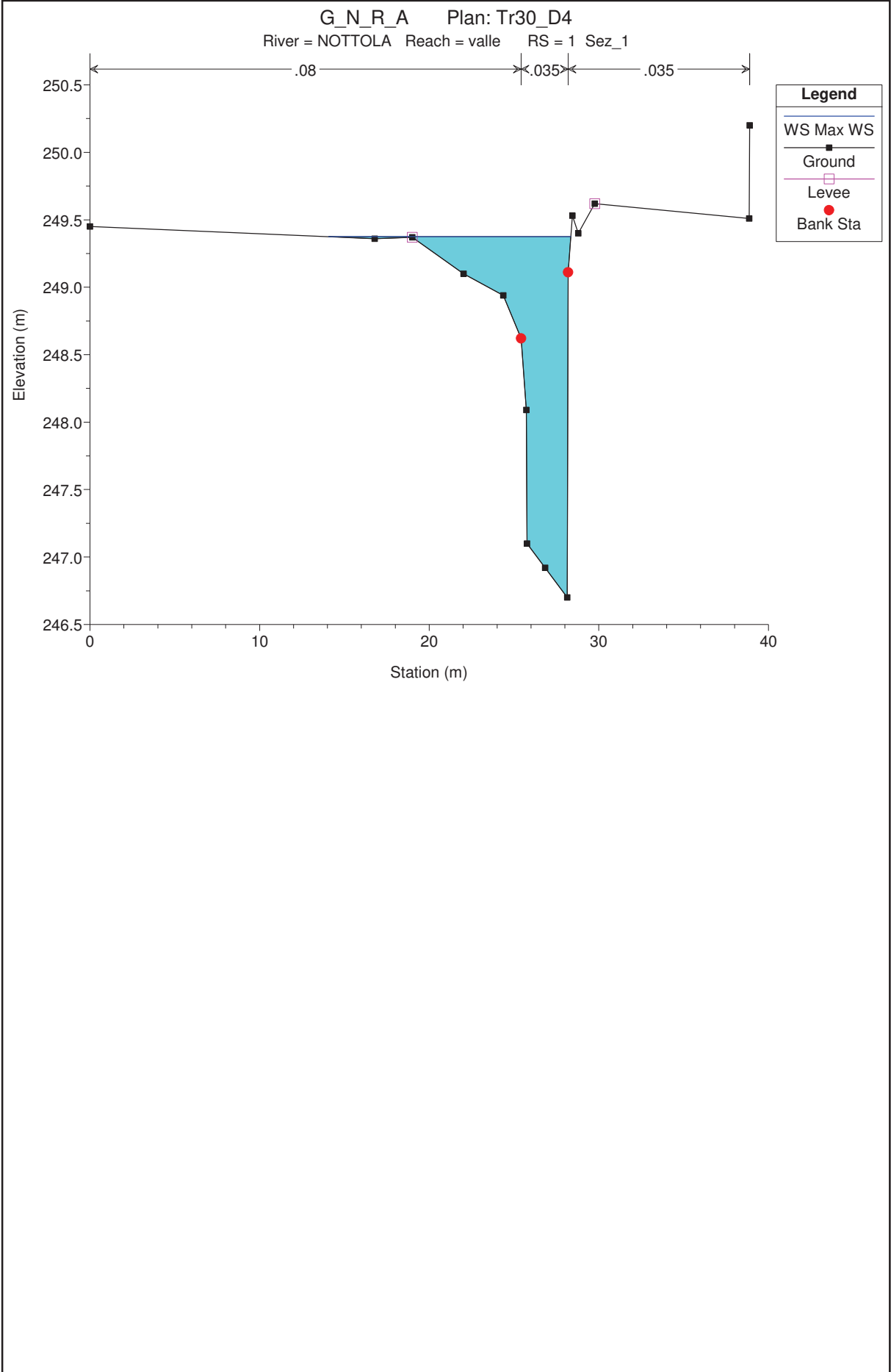














ALLEGATI

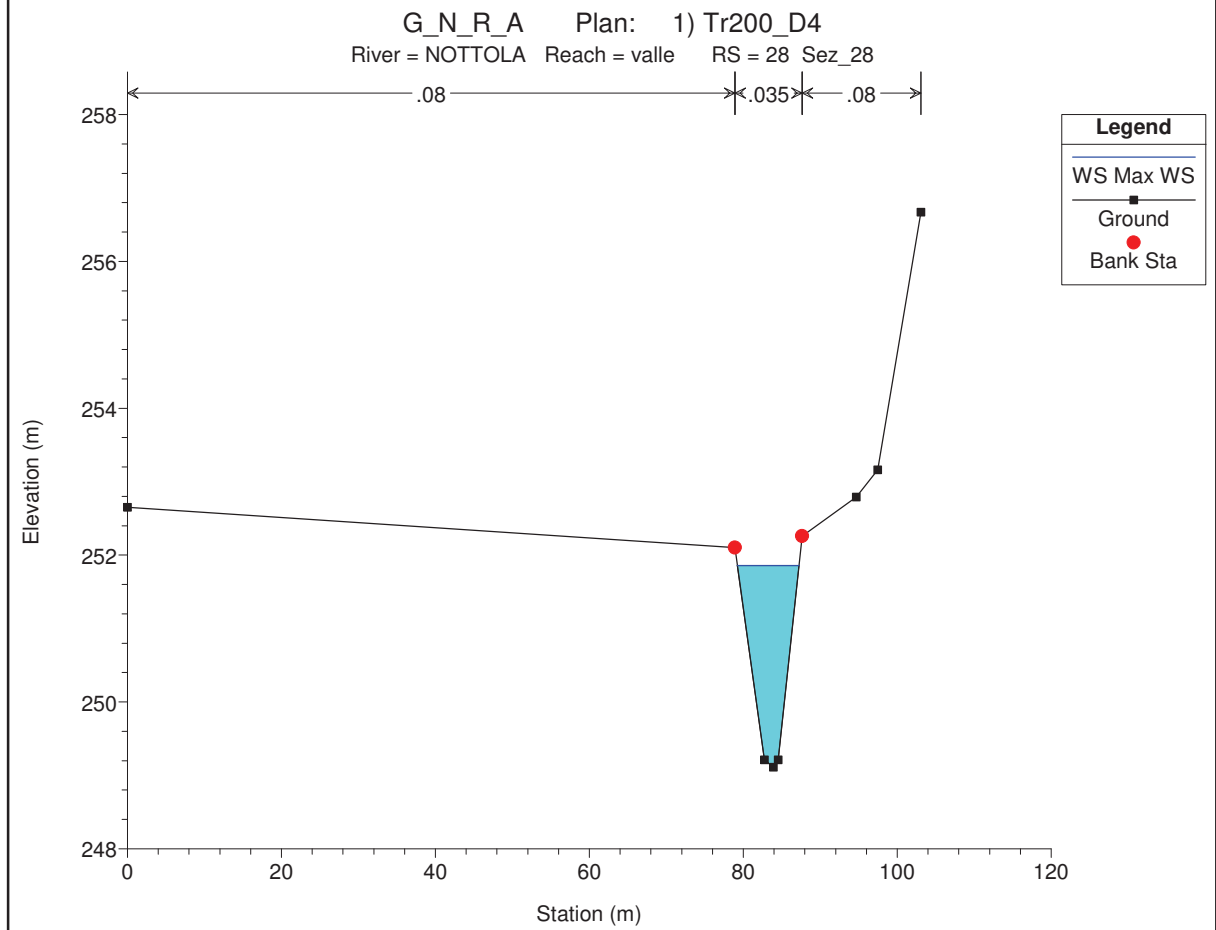
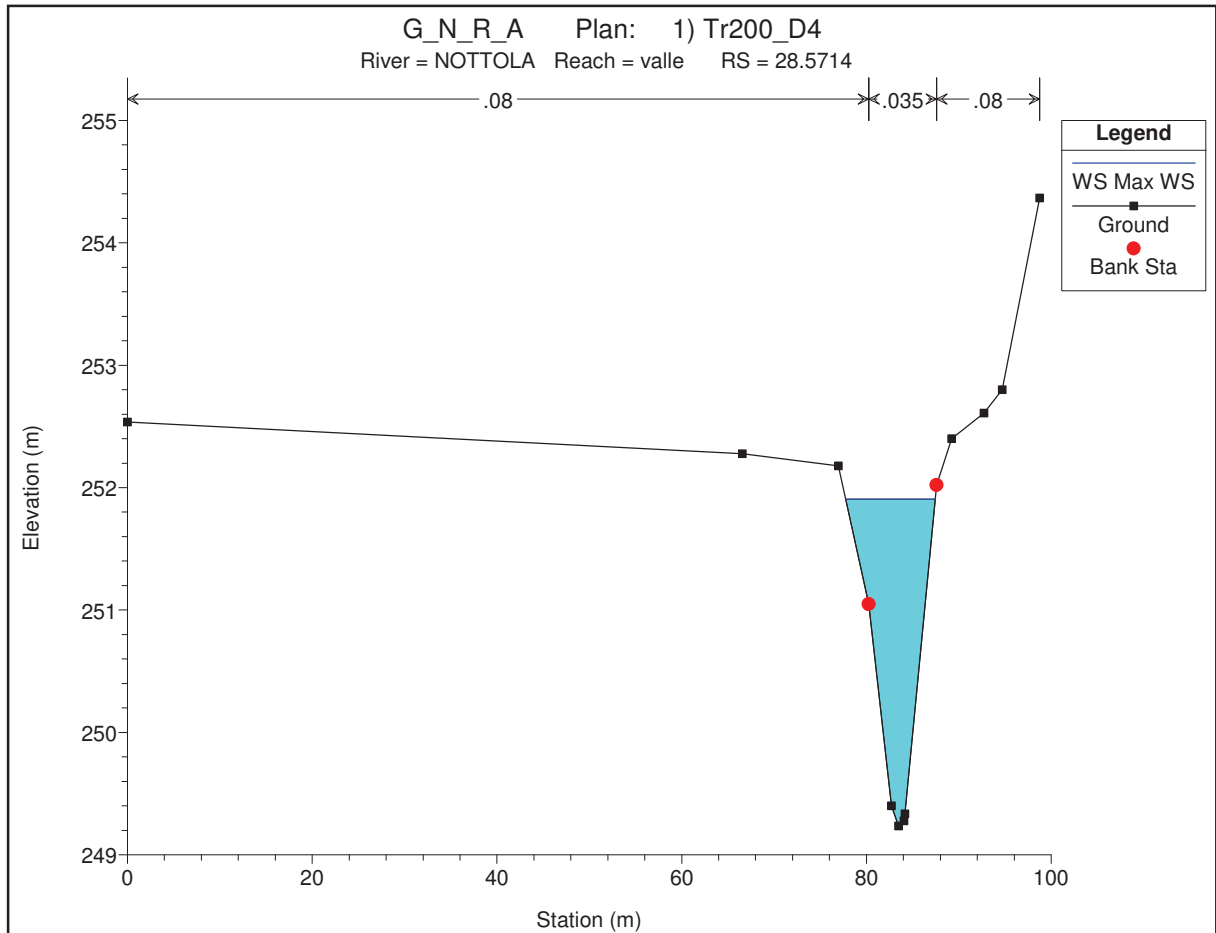
MODELLAZIONE HEC-RAS 5.0.3 "Montepulciano stazione valle"

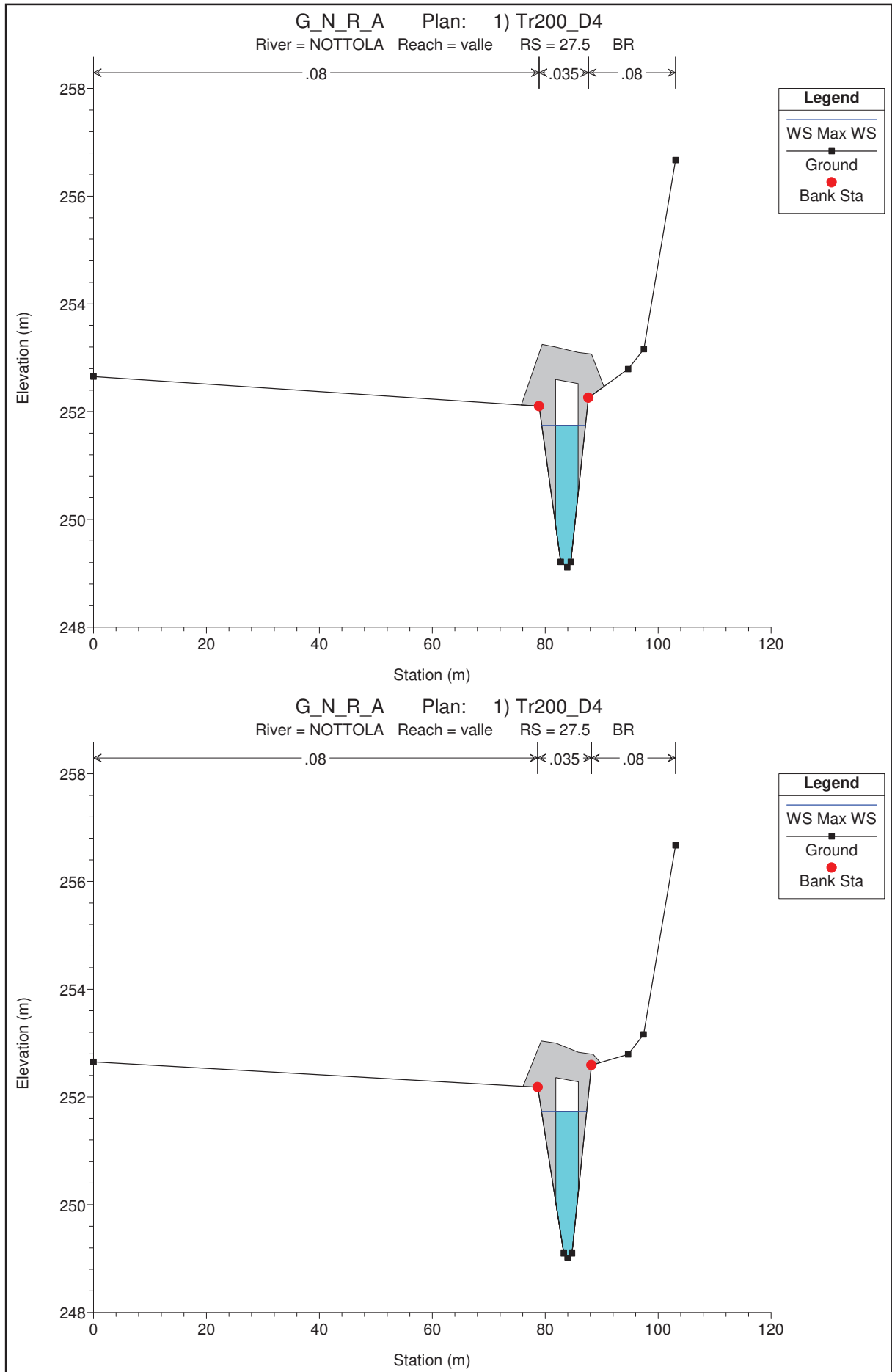
CANALE DOCCIA DI MOTTOLA

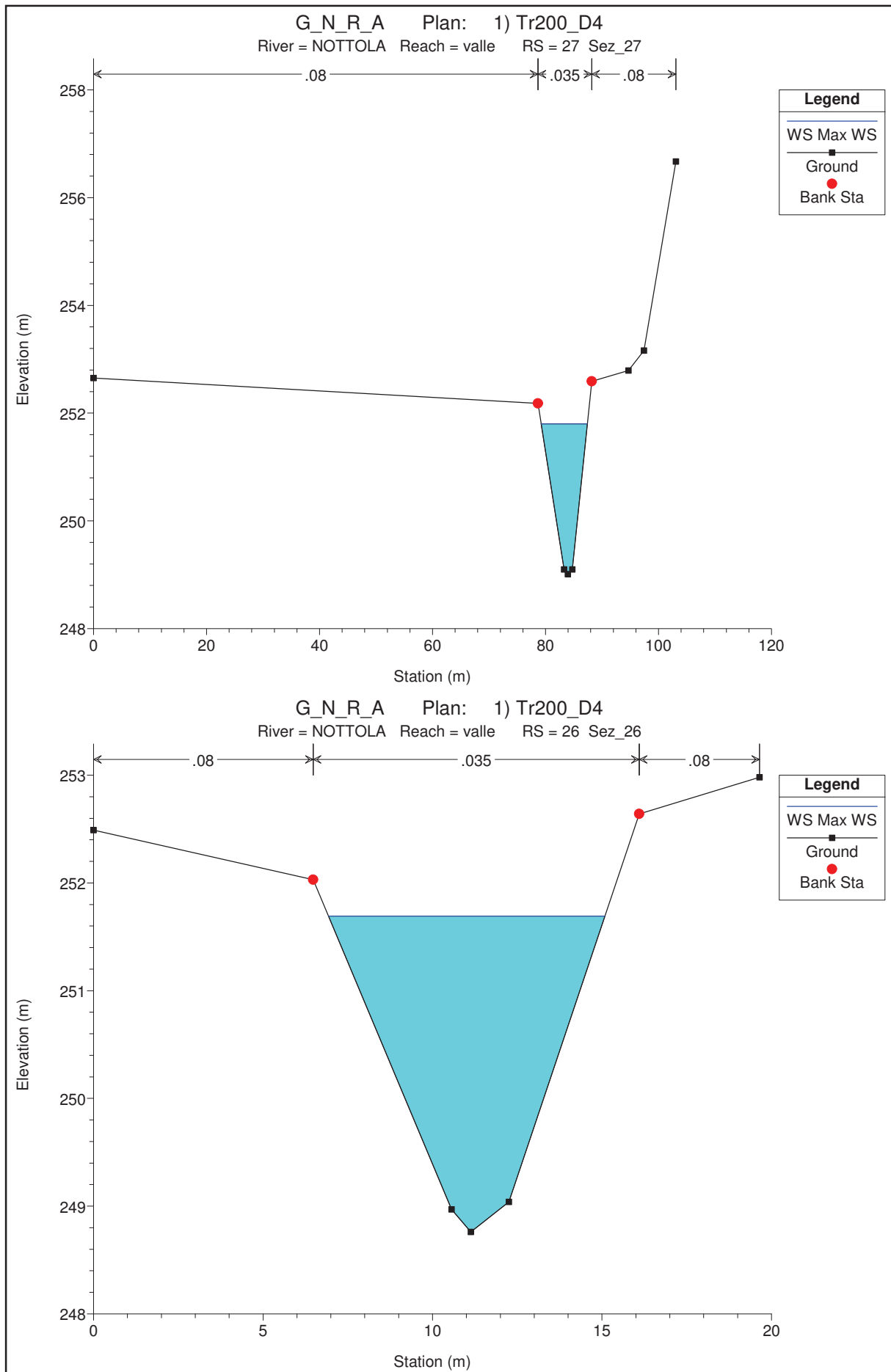
MODELLAZIONE PER TR=200 anni

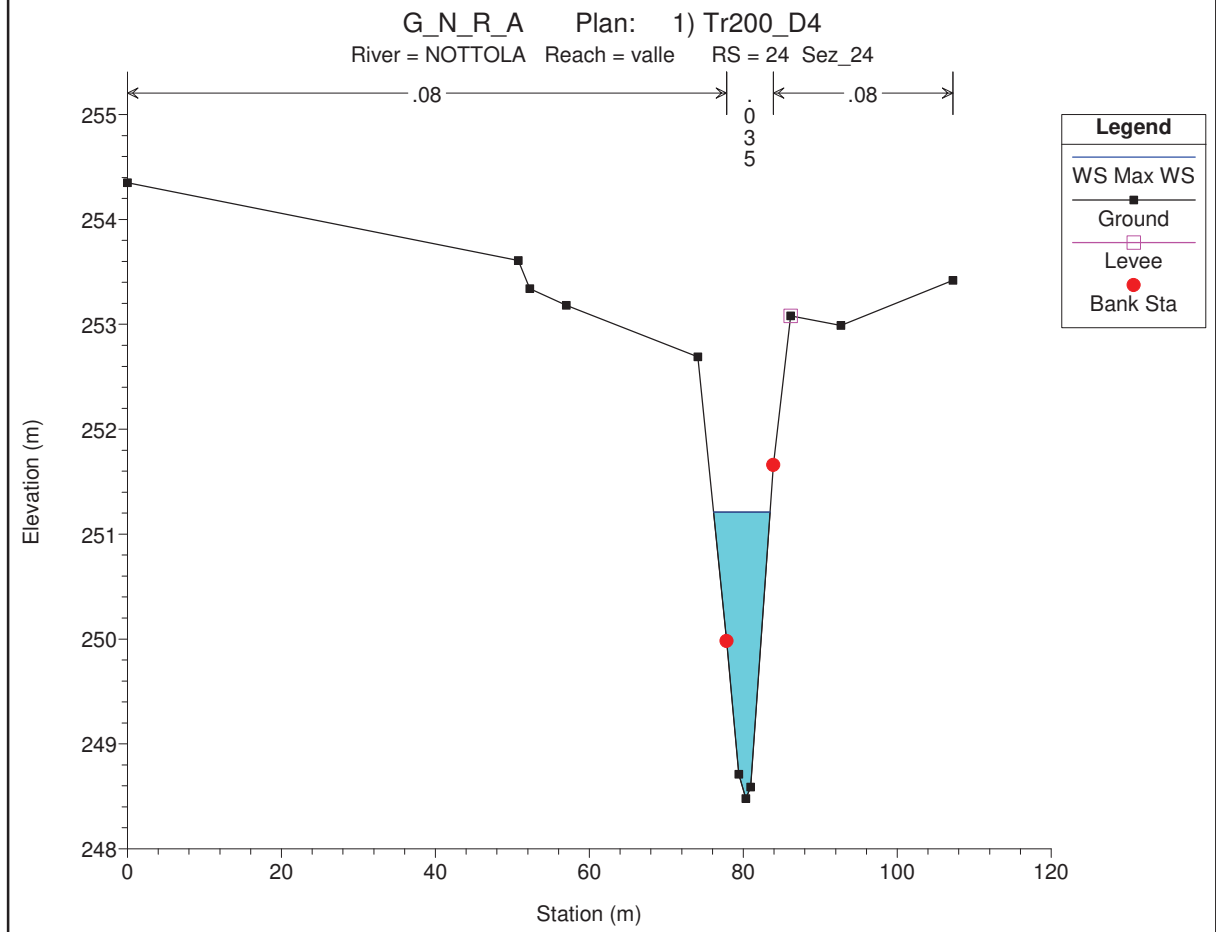
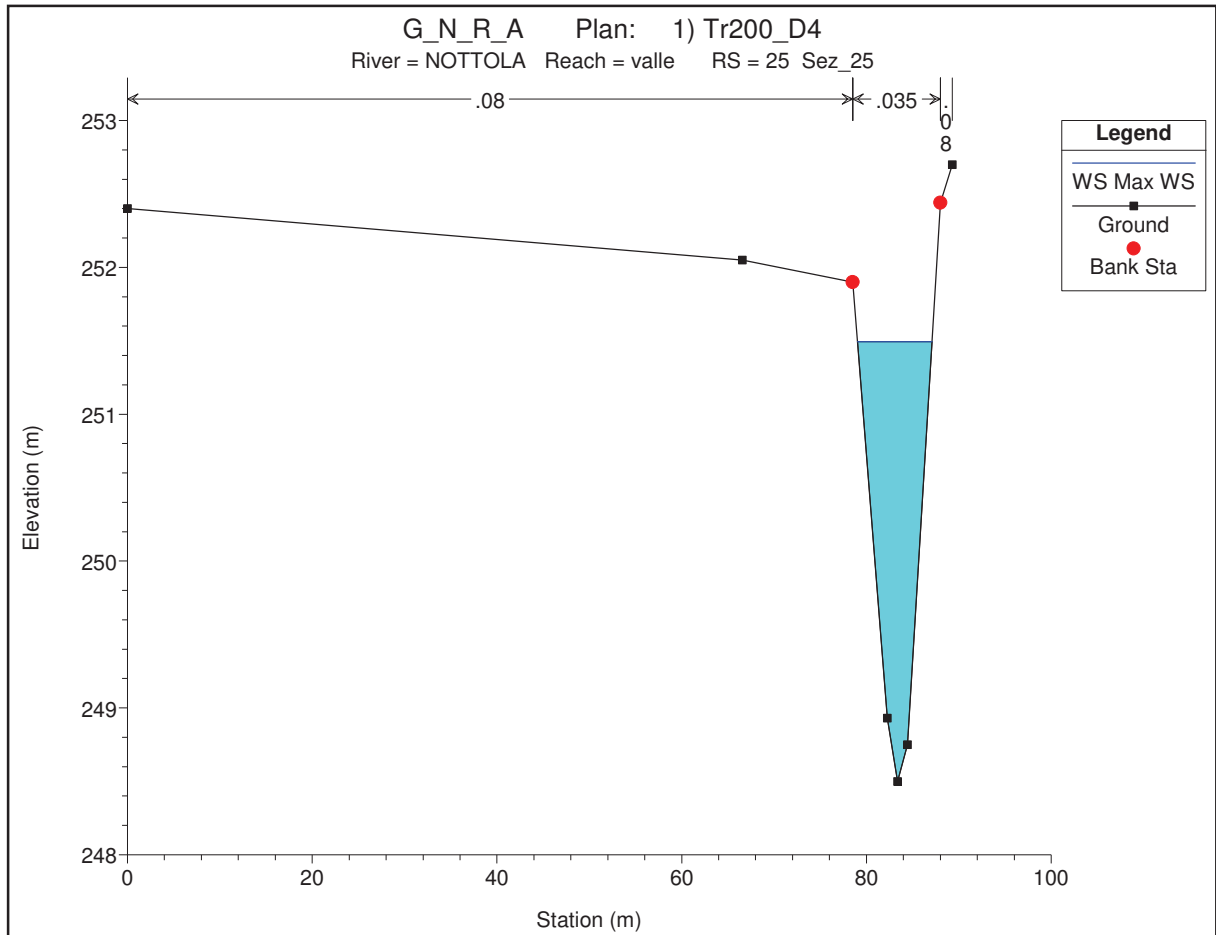
DURATE DI PIOGGIA: 4h

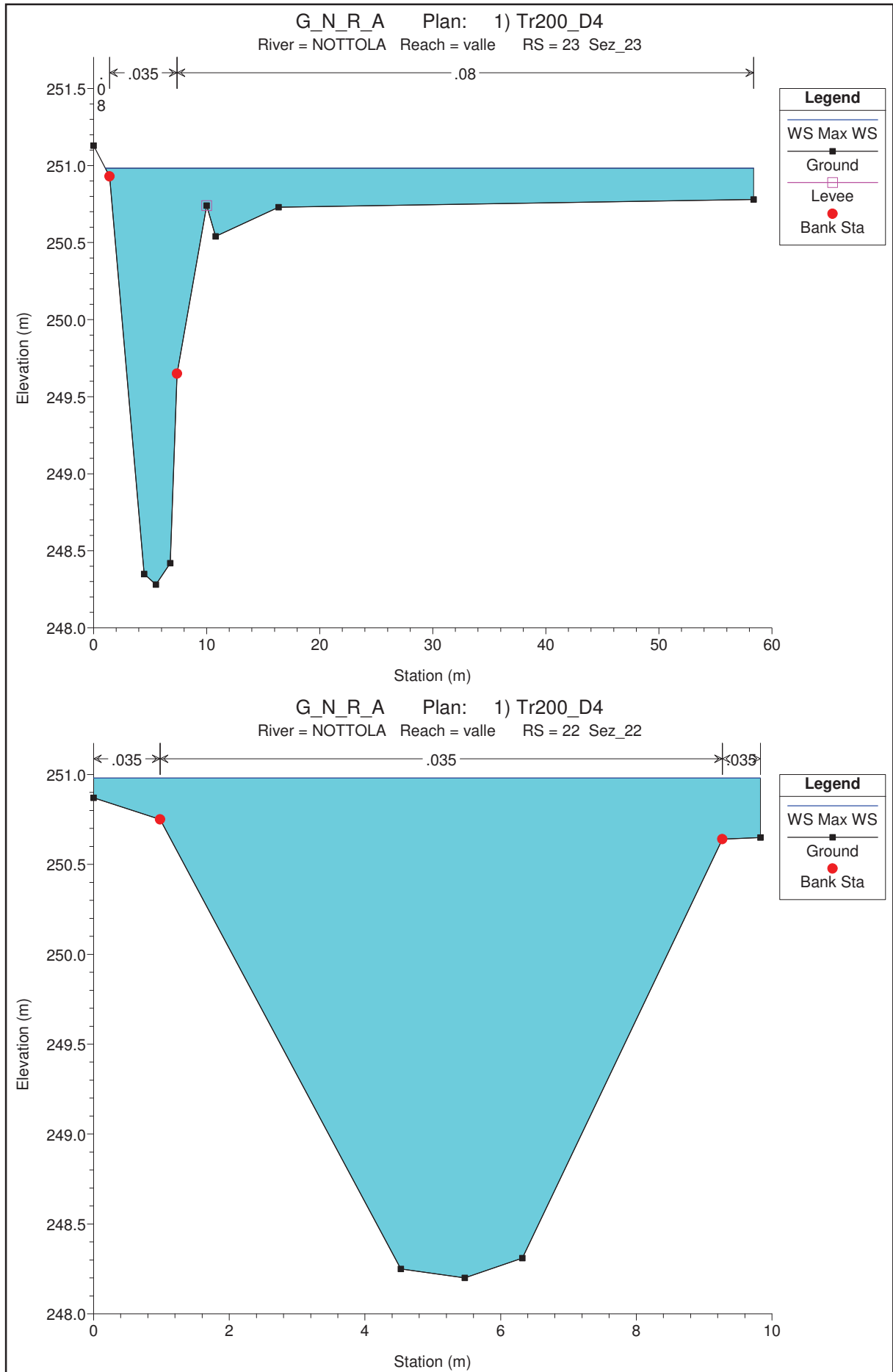
Sezioni Trasversali (da monte verso valle)

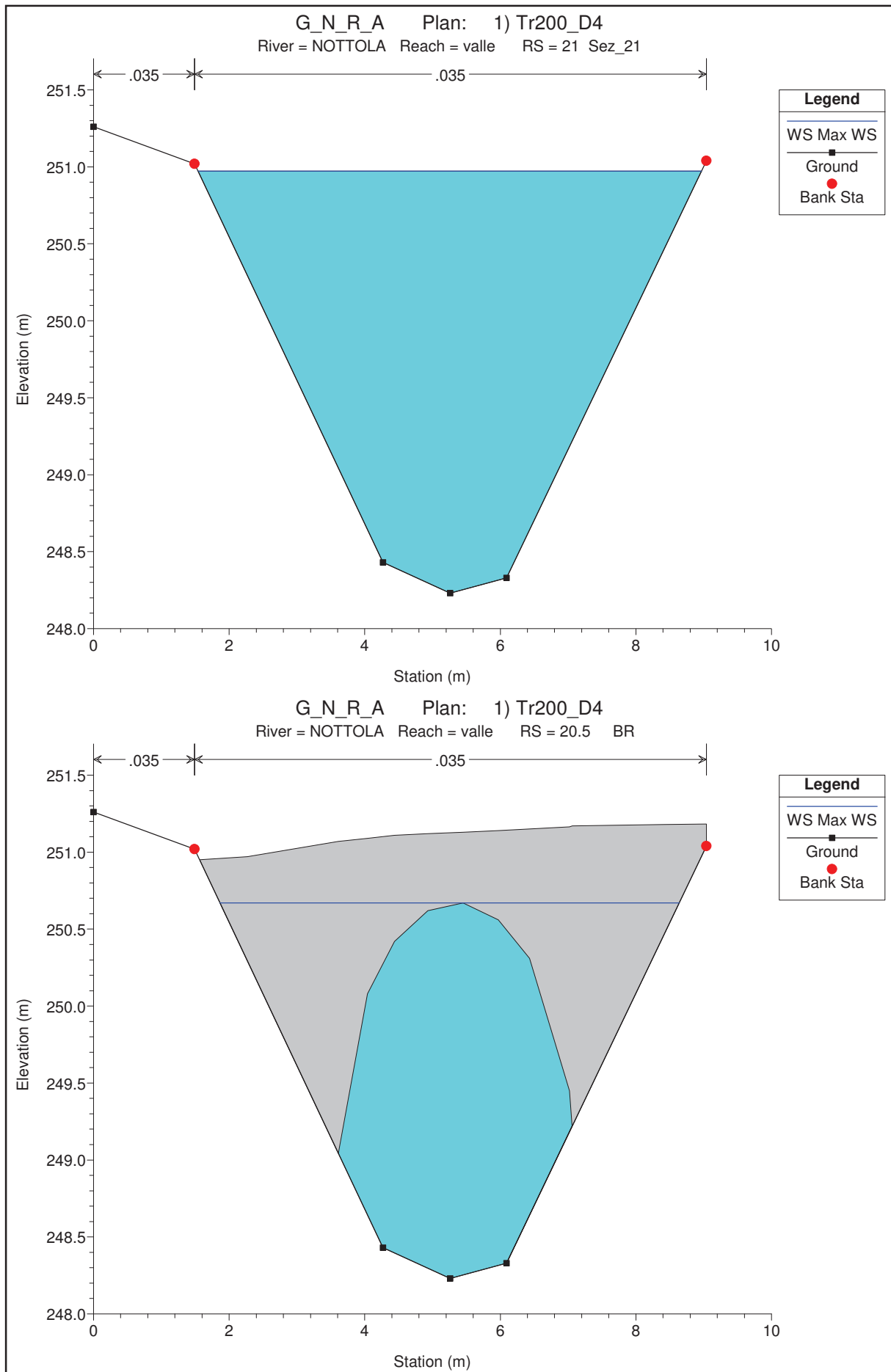


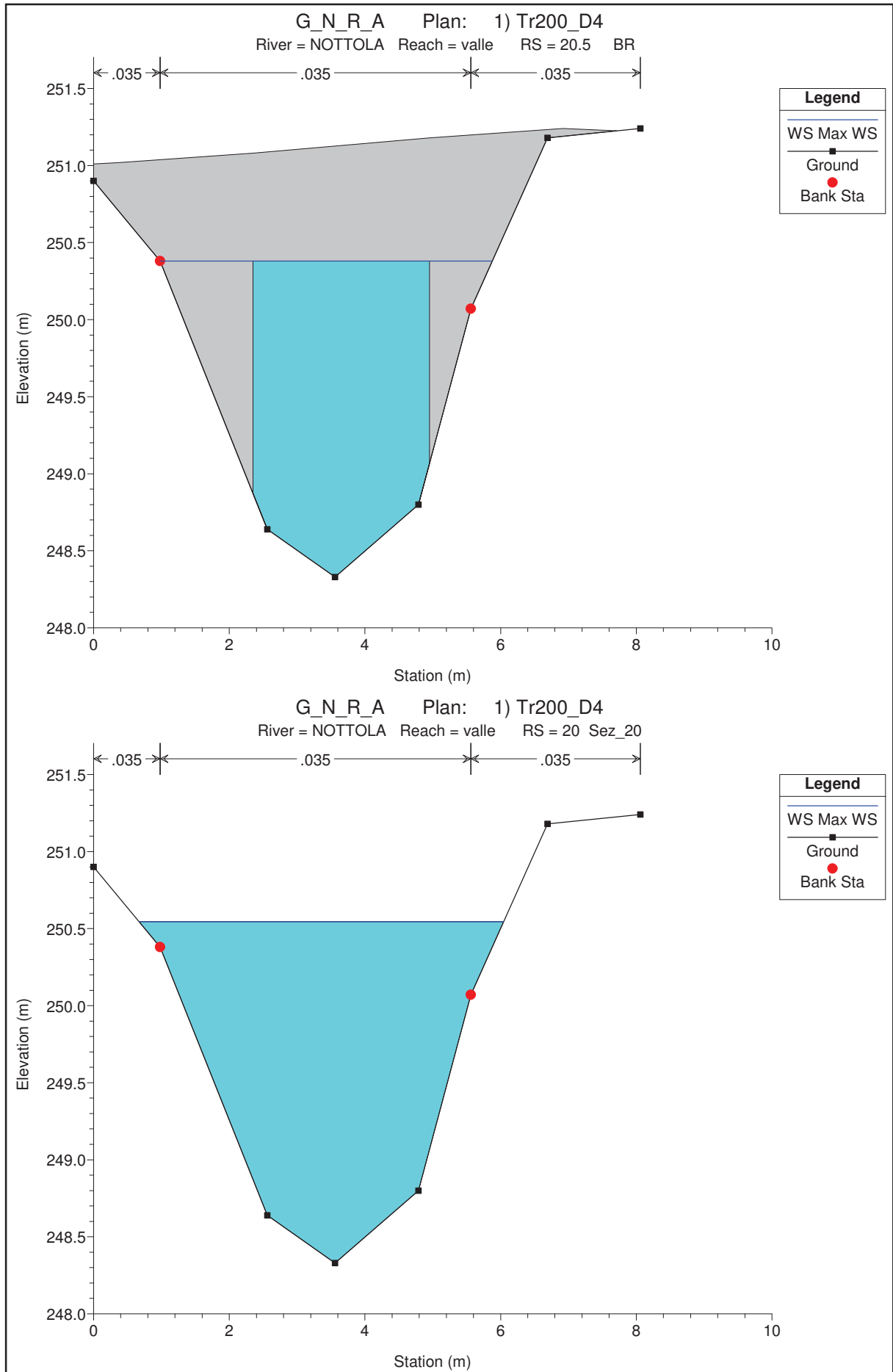


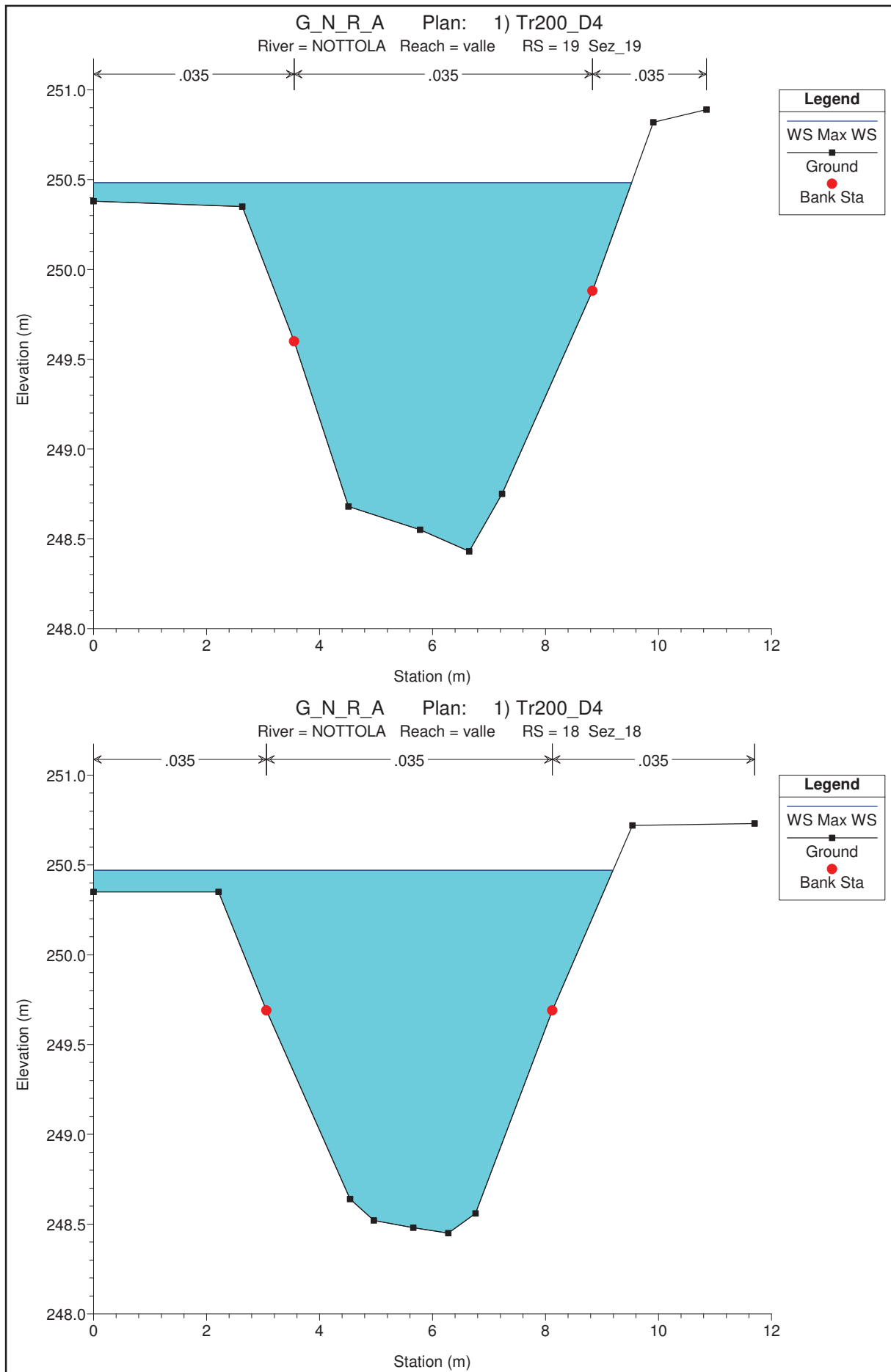


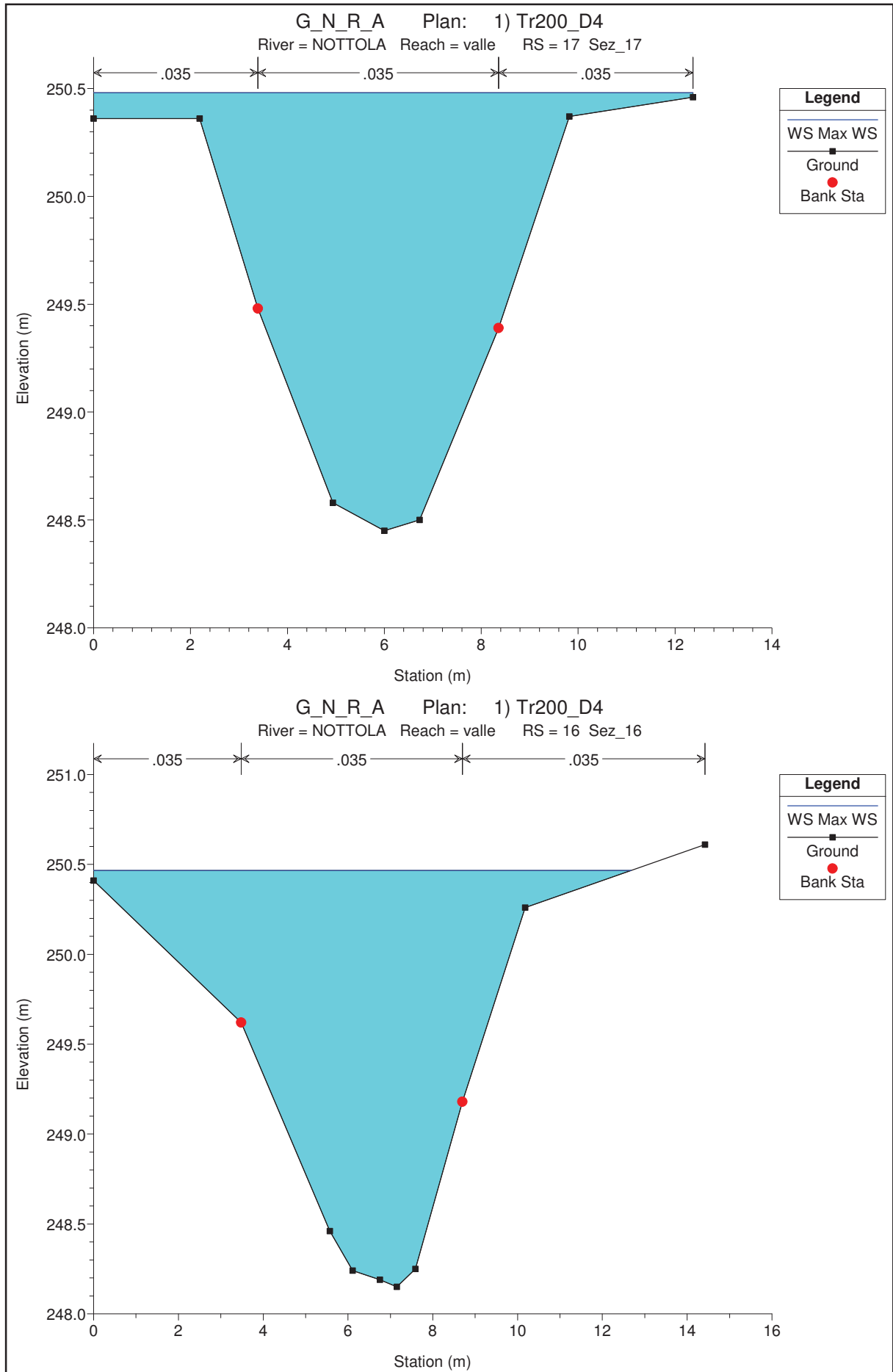


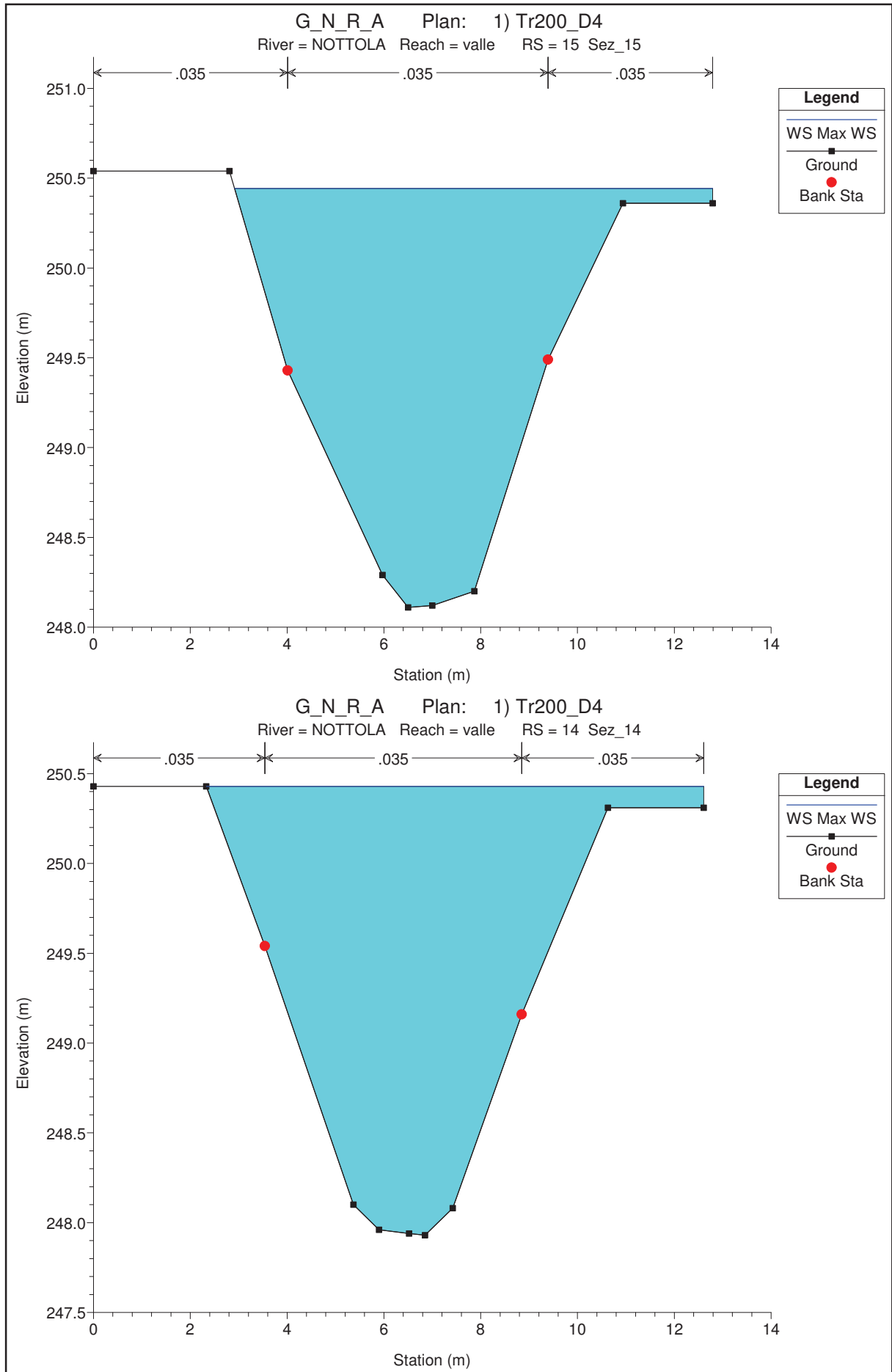


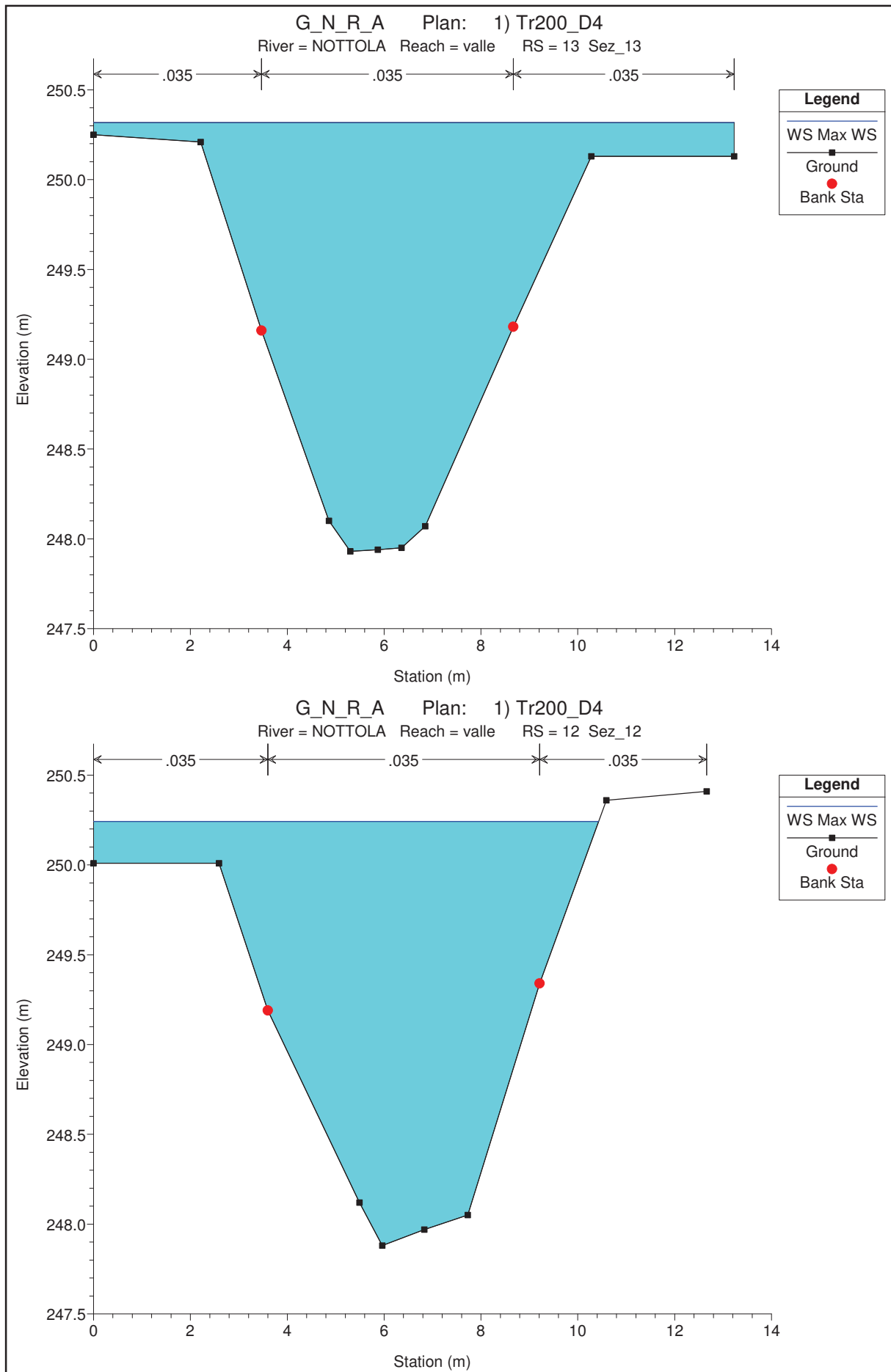


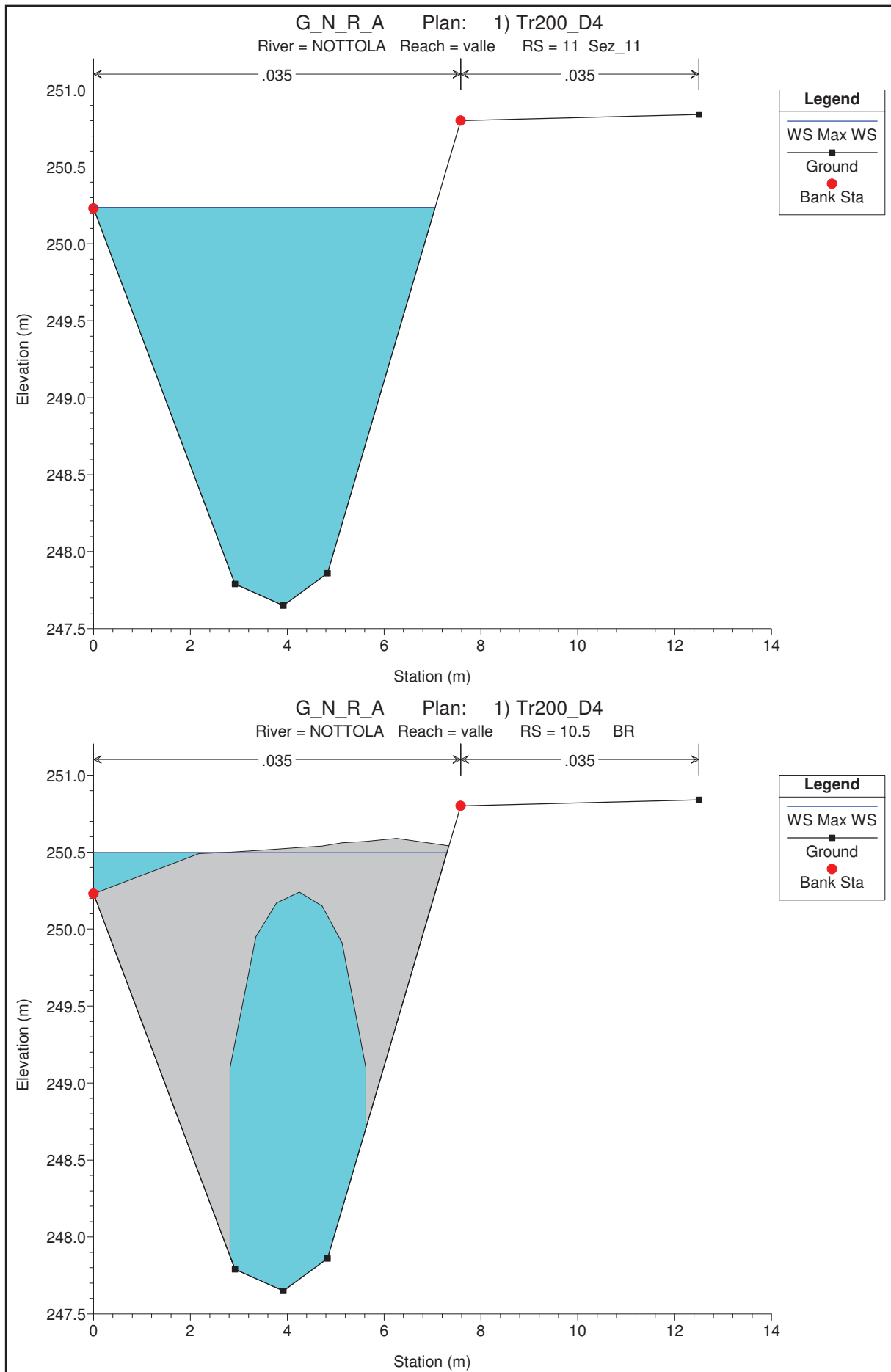


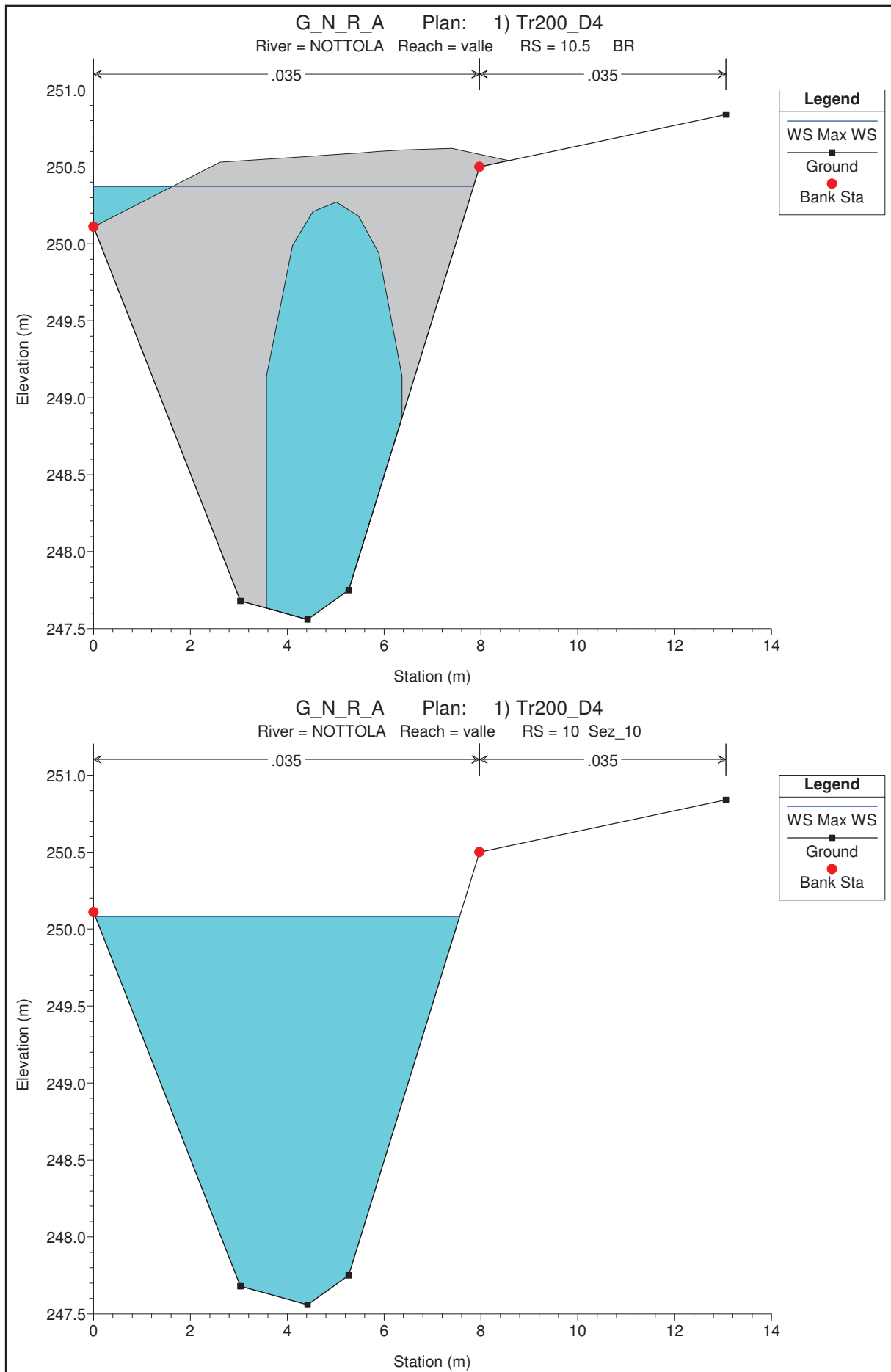


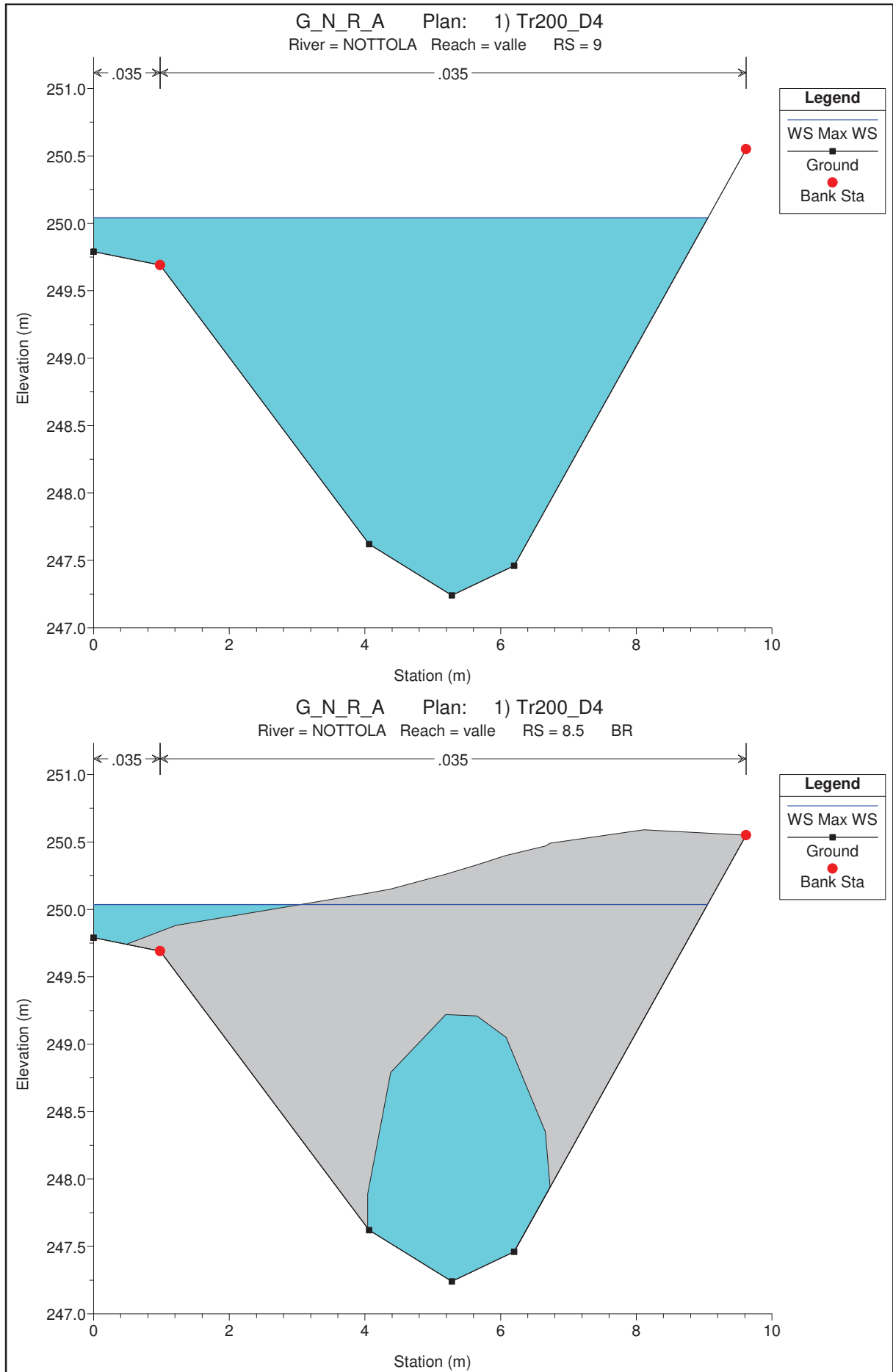


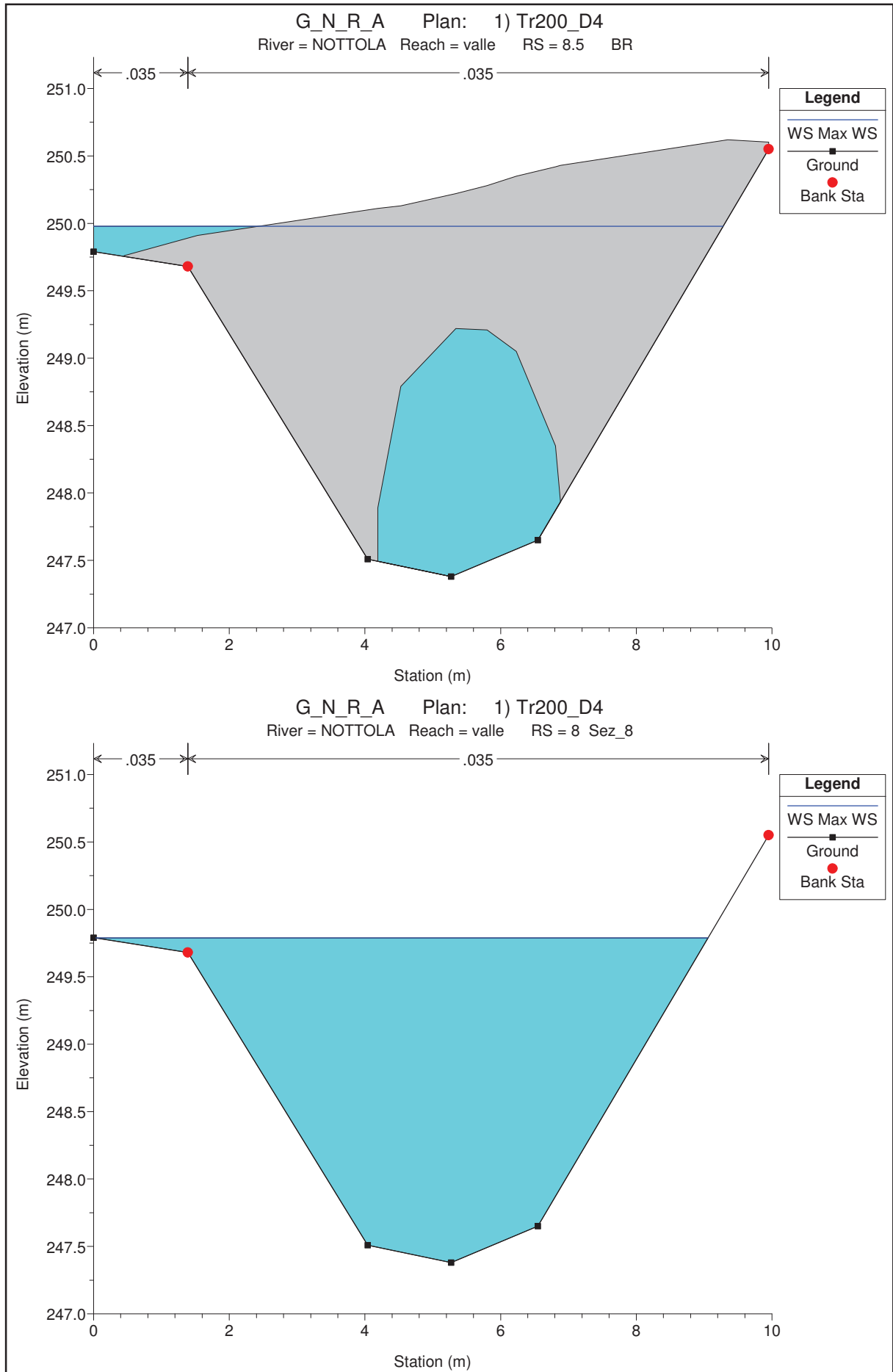


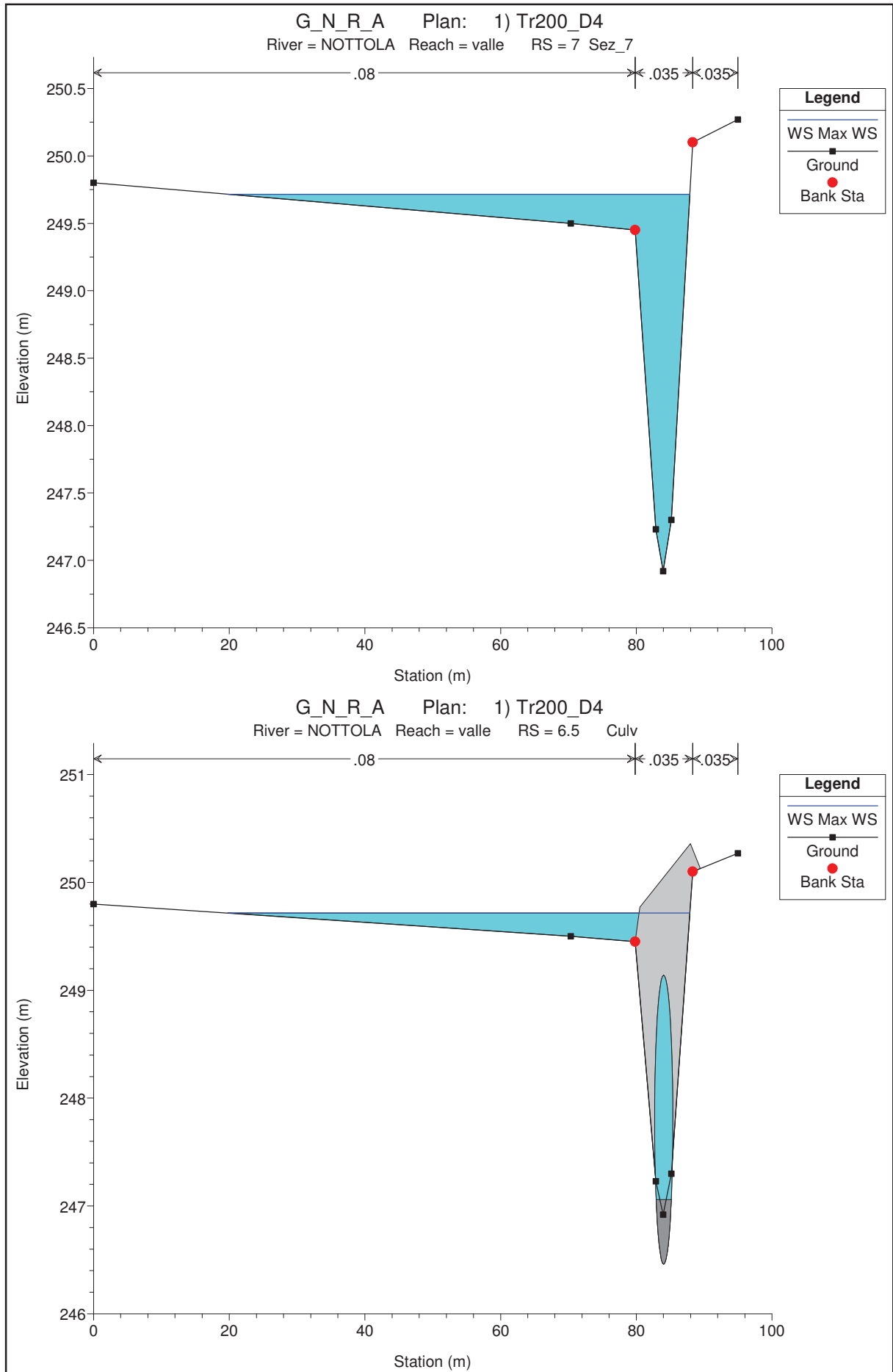


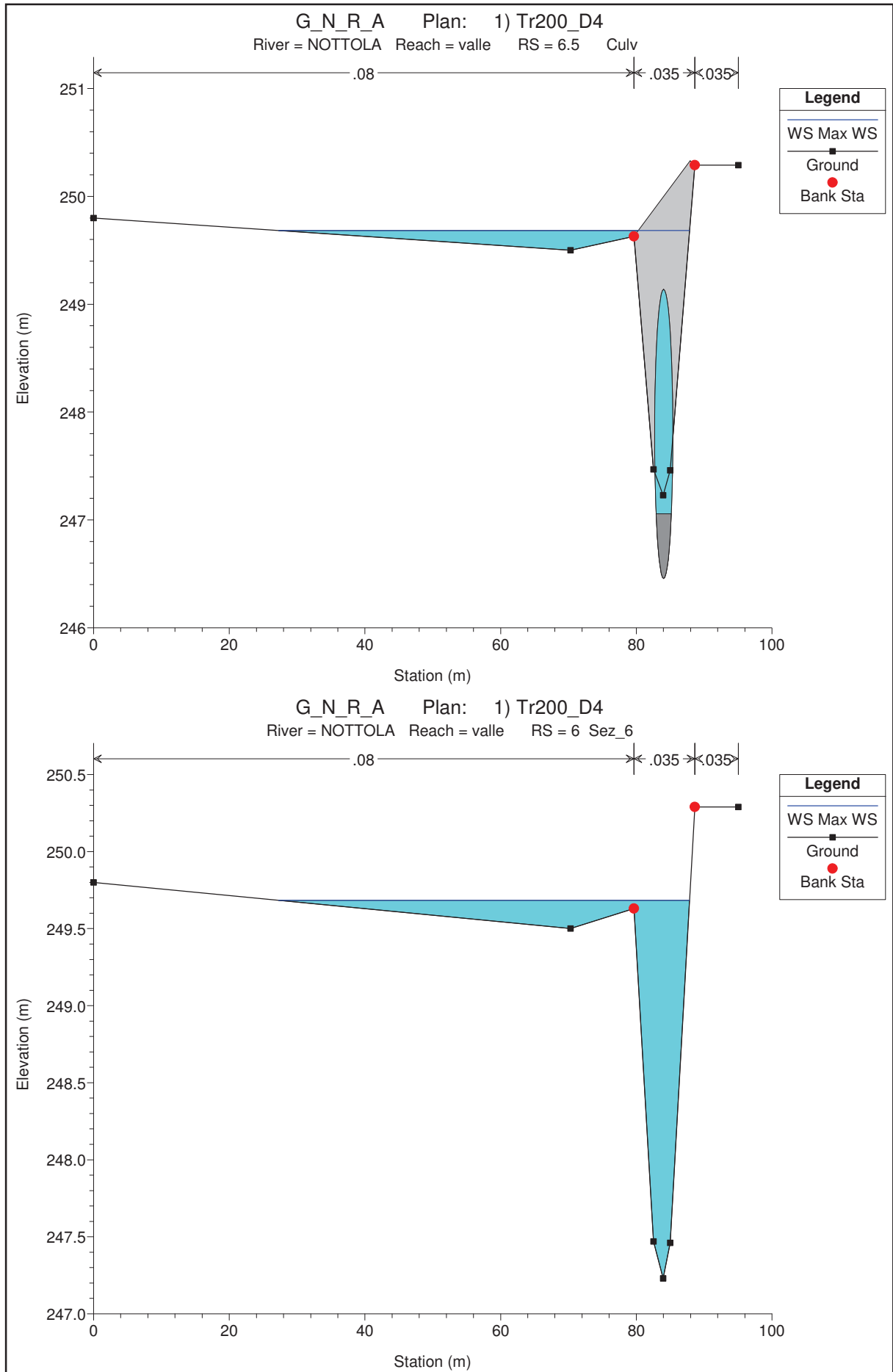


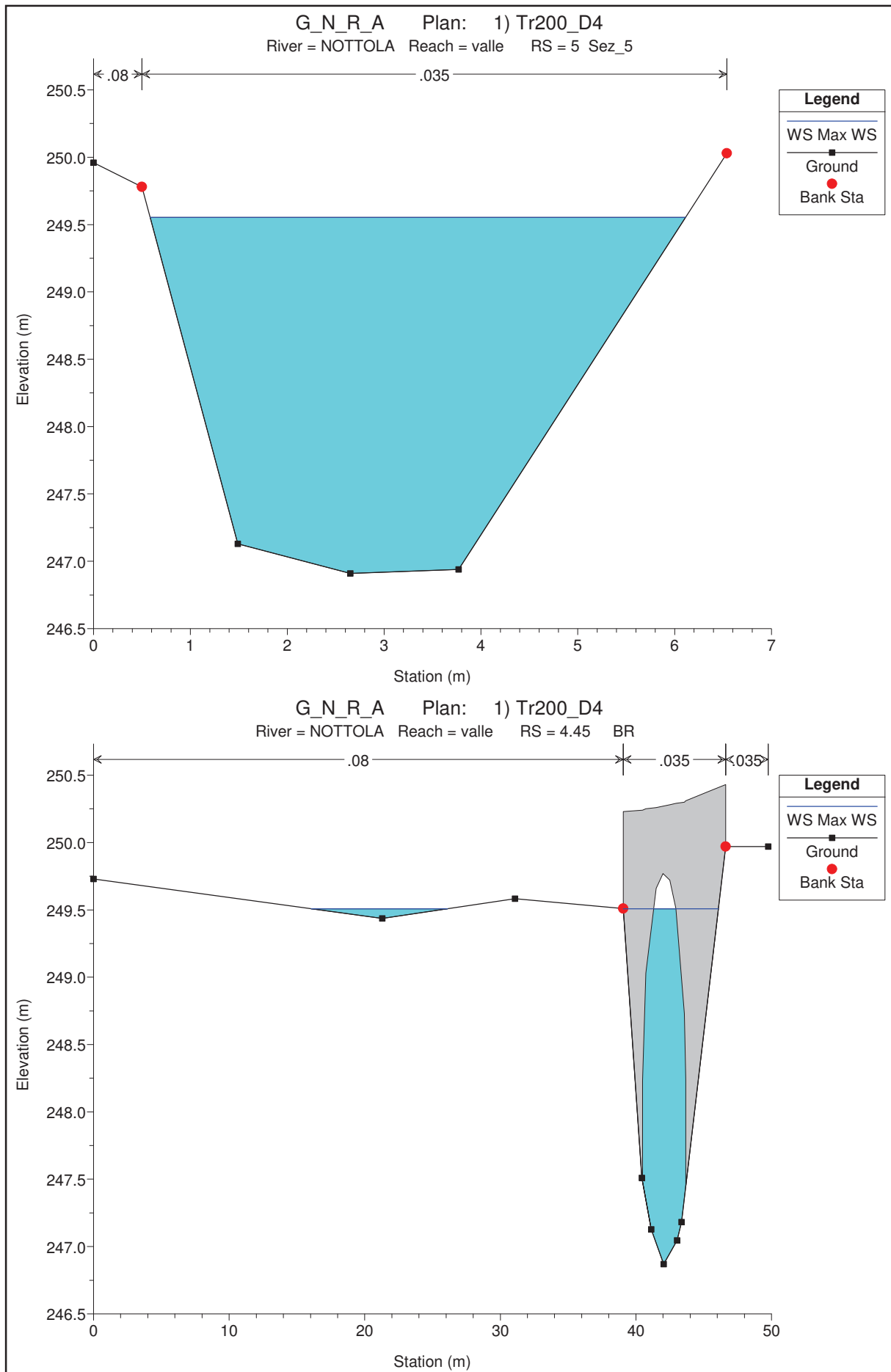


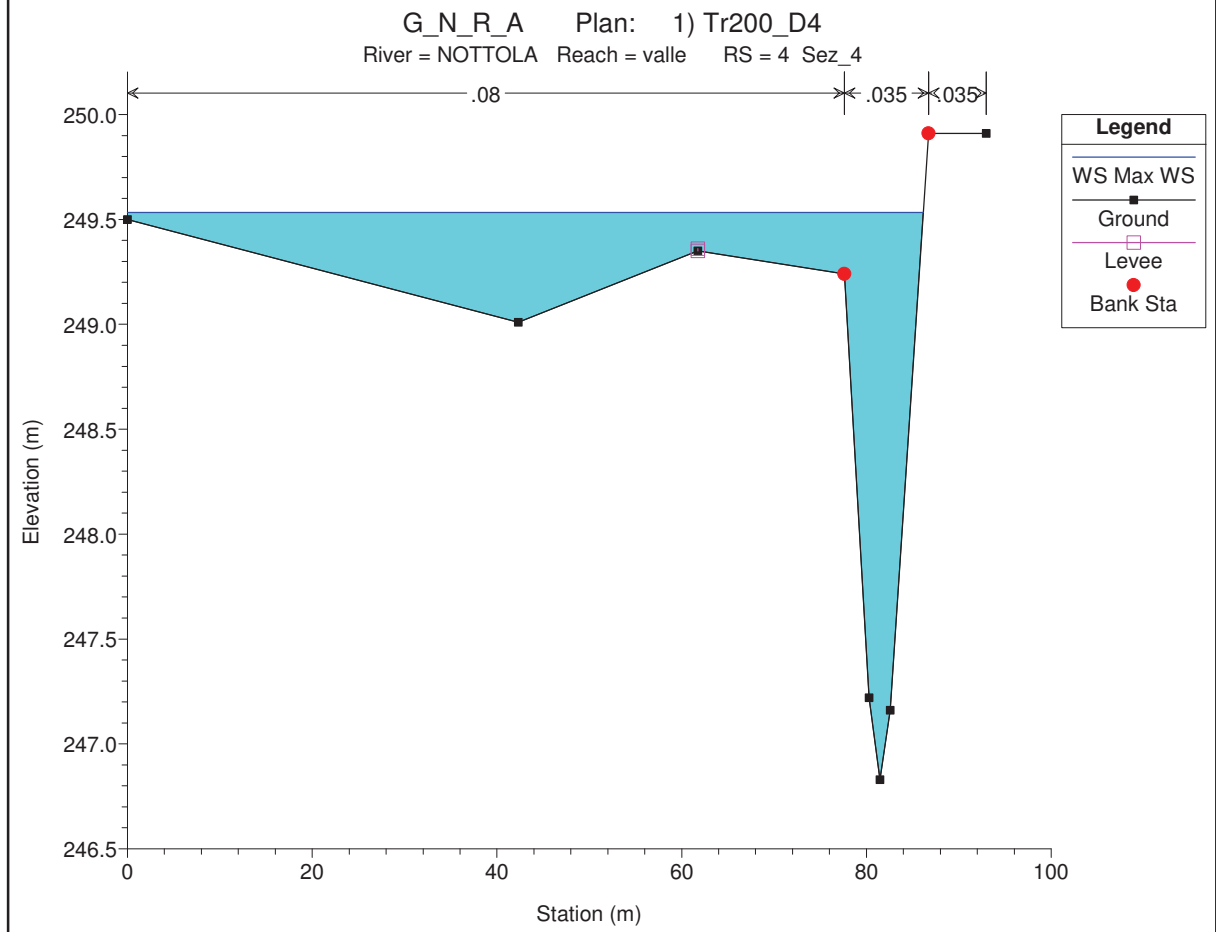
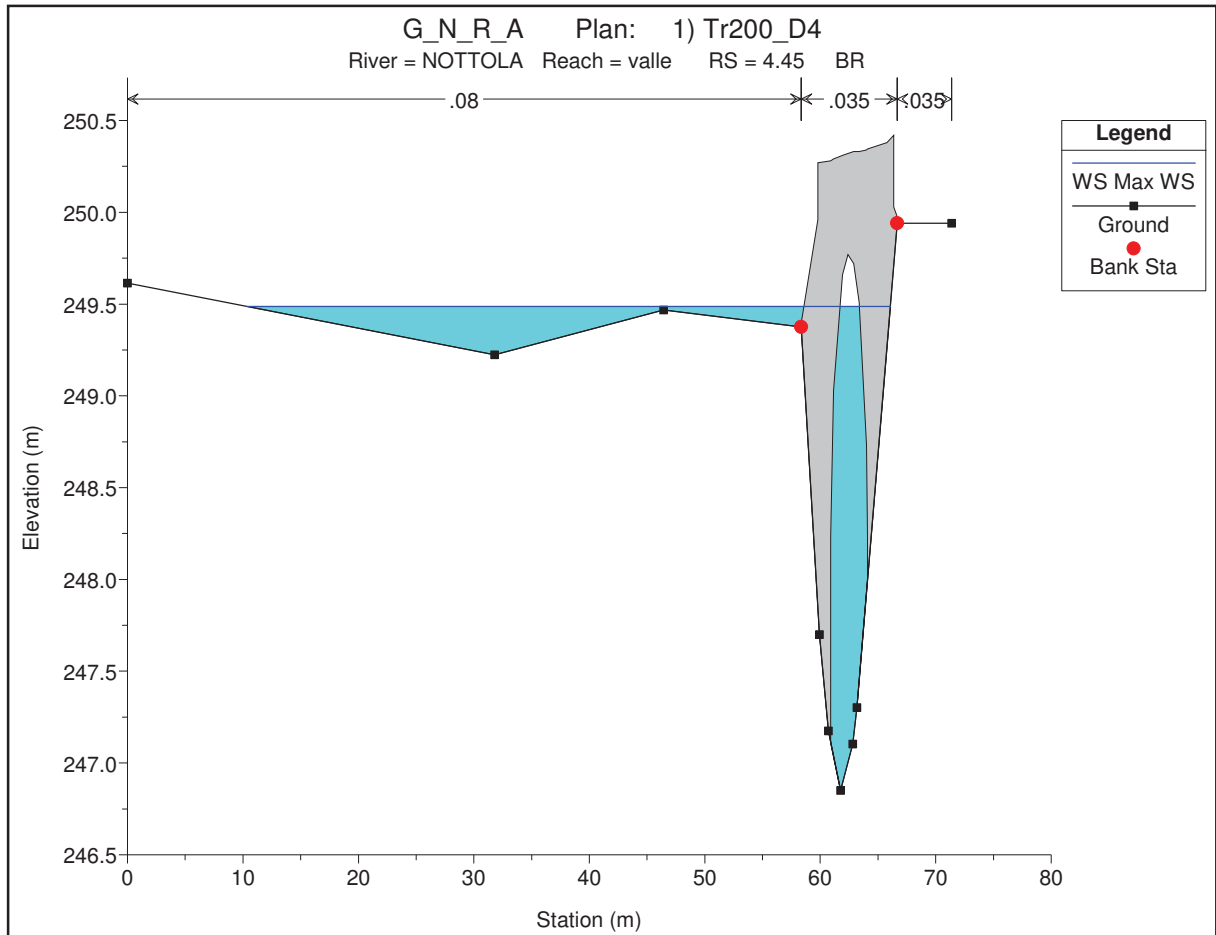


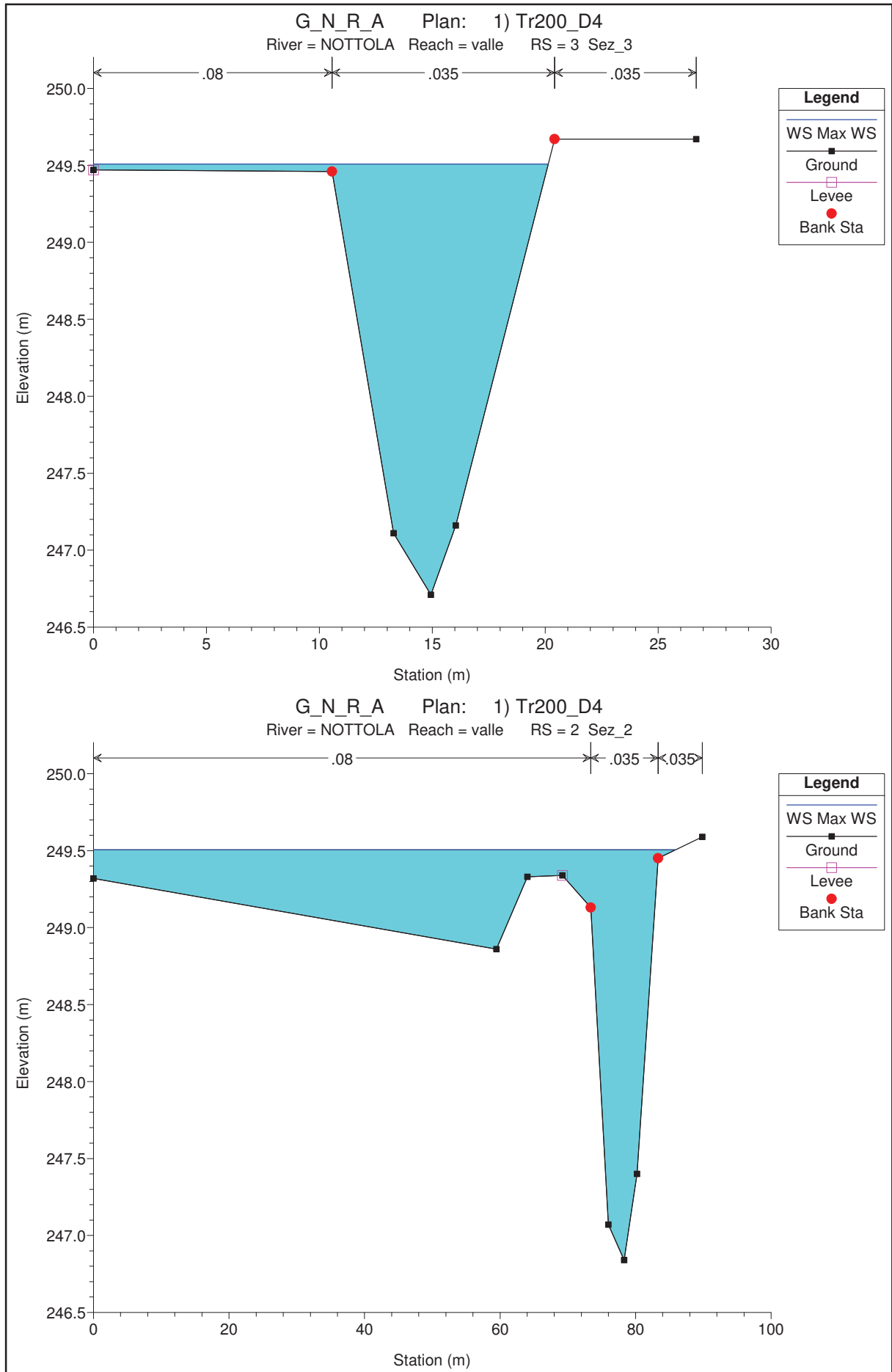


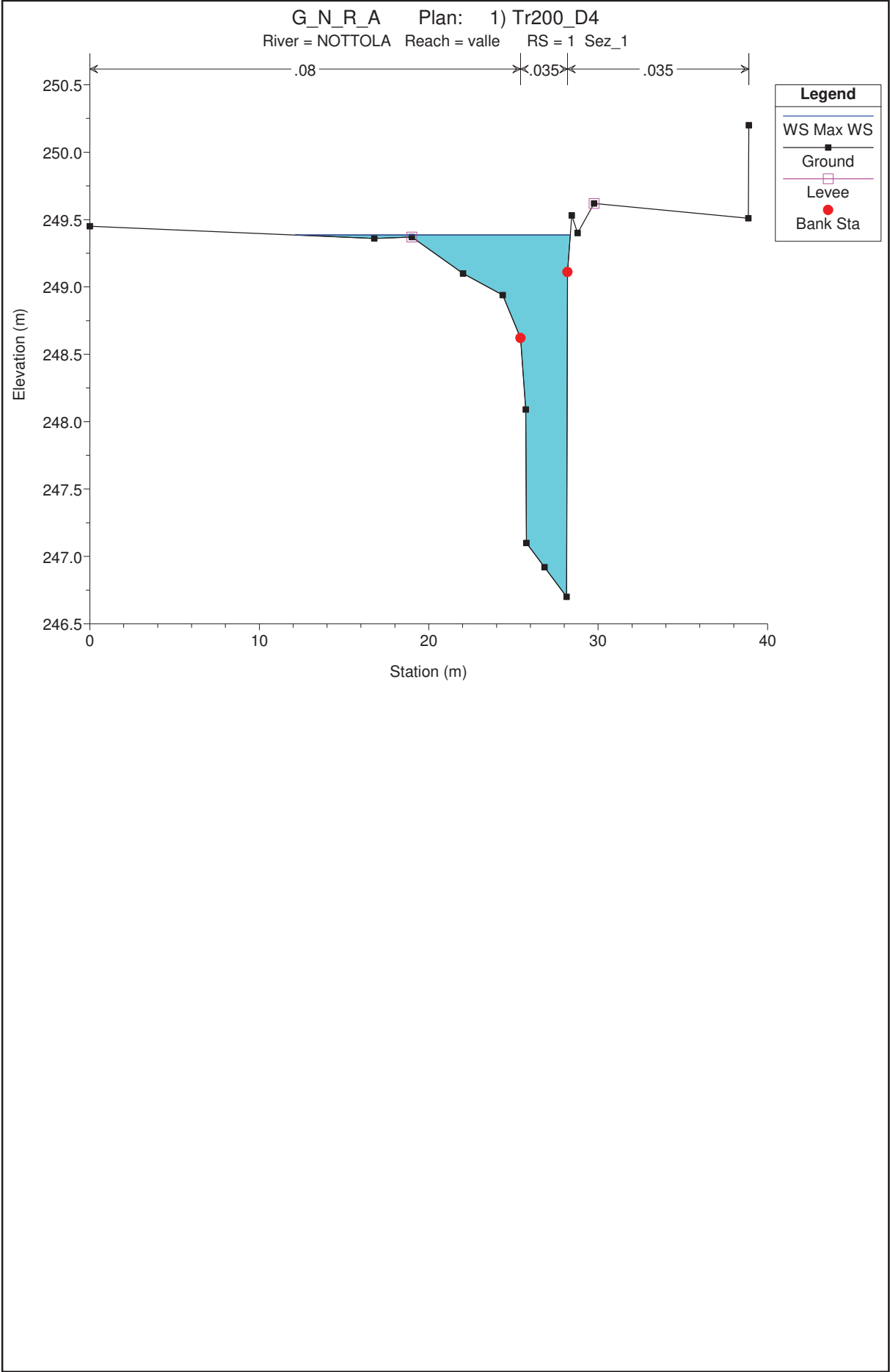














ALLEGATI

MODELLAZIONE HEC-RAS 5.0.3 "Montepulciano stazione valle"

CANALE DOCCIA DI MOTTOLA

MODELLAZIONE PER TR=30 anni

DURATE DI PIOGGIA: 4h

Dati idraulici

HEC-RAS Plan: Tr30_D4 River: NOTTOLA Reach: valle Profile: Max WS

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
valle	28.5714	Max WS	15.38	249.24	251.73		251.83	0.001655	1.39	11.62	8.99	0.36
valle	28	Max WS	15.38	249.11	251.69	250.62	251.77	0.001581	1.31	11.73	7.60	0.34
valle	27.5		Bridge									
valle	27	Max WS	15.38	249.01	251.64		251.73	0.001586	1.30	11.80	7.78	0.34
valle	26	Max WS	15.49	248.76	251.54		251.62	0.001440	1.27	12.24	7.80	0.32
valle	25	Max WS	15.84	248.50	251.36		251.44	0.001296	1.23	12.87	7.76	0.31
valle	24	Max WS	16.04	248.48	251.12		251.25	0.002065	1.61	10.69	7.13	0.39
valle	23.1		Lat Struct									
valle	23	Max WS	16.05	248.28	250.94		251.01	0.001218	1.28	22.72	57.02	0.30
valle	22.4		Lat Struct									
valle	22.3		Lat Struct									
valle	22	Max WS	11.17	248.20	250.93		250.96	0.000463	0.78	14.49	9.83	0.19
valle	21	Max WS	10.26	248.23	250.91	249.51	250.95	0.000696	0.88	11.70	7.30	0.22
valle	20.5		Bridge									
valle	20	Max WS	10.26	248.33	250.52		250.63	0.002366	1.49	6.99	5.30	0.39
valle	19.4		Lat Struct									
valle	19	Max WS	10.32	248.43	250.46		250.54	0.001205	1.21	9.17	9.50	0.31
valle	18.3		Lat Struct									
valle	18	Max WS	9.05	248.45	250.44		250.50	0.000981	1.10	8.88	9.15	0.28
valle	17	Max WS	8.03	248.45	250.42		250.47	0.000655	0.95	9.61	11.38	0.24
valle	16	Max WS	8.14	248.15	250.41		250.44	0.000451	0.81	11.63	11.95	0.20
valle	15	Max WS	8.25	248.11	250.38		250.41	0.000481	0.83	10.73	9.80	0.20
valle	14	Max WS	8.32	247.93	250.36		250.39	0.000383	0.78	11.83	10.18	0.18
valle	13.64		Lat Struct									
valle	13	Max WS	12.08	247.93	250.27		250.33	0.000830	1.15	12.04	13.23	0.27
valle	12.9		Lat Struct									
valle	12	Max WS	12.76	247.88	250.20		250.27	0.000962	1.20	11.73	10.37	0.28
valle	11.9		Lat Struct									
valle	11	Max WS	11.58	247.65	250.17	249.01	250.23	0.001162	1.10	10.56	6.93	0.28
valle	10.5		Bridge									
valle	10	Max WS	11.53	247.56	250.07		250.12	0.000894	0.99	11.65	7.49	0.25
valle	9.85		Lat Struct									
valle	9.4		Lat Struct									
valle	9	Max WS	7.19	247.24	250.02	248.33	250.04	0.000223	0.53	13.76	9.04	0.13
valle	8.5		Bridge									
valle	8	Max WS	7.18	247.38	249.75		249.77	0.000370	0.63	11.40	8.55	0.17
valle	7	Max WS	7.84	246.92	249.68		249.70	0.000265	0.57	19.07	59.99	0.14
valle	6.5		Culvert									
valle	6	Max WS	7.84	247.23	249.63		249.65	0.000407	0.66	14.42	48.40	0.17
valle	5	Max WS	8.33	246.91	249.53		249.56	0.000691	0.84	9.89	5.49	0.20
valle	4.45		Bridge									
valle	4	Max WS	8.39	246.83	249.51		249.52	0.000221	0.51	33.79	86.12	0.13
valle	3.95		Lat Struct									
valle	3	Max WS	8.79	246.71	249.46		249.48	0.000294	0.59	14.81	9.49	0.15
valle	2	Max WS	7.62	246.84	249.44		249.45	0.000098	0.37	40.85	83.32	0.09
valle	1	Max WS	5.62	246.70	249.37		249.41	0.000903	0.85	8.28	14.29	0.18



ALLEGATI

MODELLAZIONE HEC-RAS 5.0.3 "Montepulciano stazione valle"

CANALE DOCCIA DI MOTTOLA

MODELLAZIONE PER TR=200 anni

DURATE DI PIOGGIA: 4h

Dati idraulici

HEC-RAS Plan: Tr200_D4 River: NOTTOLA Reach: valle Profile: Max WS

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
valle	28.5714	Max WS	18.07	249.24	251.91		252.01	0.001653	1.46	13.24	9.72	0.36
valle	28	Max WS	18.07	249.11	251.86	250.75	251.96	0.001632	1.38	13.08	8.01	0.35
valle	27.5		Bridge									
valle	27	Max WS	18.07	249.01	251.80		251.90	0.001669	1.38	13.07	8.18	0.35
valle	26	Max WS	18.15	248.76	251.69		251.79	0.001540	1.35	13.45	8.16	0.34
valle	25	Max WS	18.52	248.50	251.49		251.58	0.001441	1.33	13.91	8.05	0.32
valle	24	Max WS	18.87	248.48	251.21		251.37	0.002461	1.79	11.35	7.34	0.42
valle	23.1		Lat Struct									
valle	23	Max WS	19.06	248.28	250.98		251.07	0.001490	1.43	25.19	57.33	0.33
valle	22.4		Lat Struct									
valle	22.3		Lat Struct									
valle	22	Max WS	12.29	248.20	250.98		251.02	0.000510	0.84	14.96	9.83	0.20
valle	21	Max WS	10.60	248.23	250.97	249.53	251.01	0.000676	0.88	12.12	7.42	0.22
valle	20.5		Bridge									
valle	20	Max WS	10.43	248.33	250.54		250.66	0.002310	1.49	7.12	5.37	0.38
valle	19.4		Lat Struct									
valle	19	Max WS	10.74	248.43	250.48		250.56	0.001242	1.24	9.36	9.52	0.32
valle	18.3		Lat Struct									
valle	18	Max WS	9.14	248.45	250.47		250.53	0.000923	1.08	9.19	9.20	0.27
valle	17	Max WS	7.04	248.45	250.48		250.51	0.000439	0.79	10.28	12.37	0.20
valle	16	Max WS	7.24	248.15	250.47		250.49	0.000311	0.69	12.36	12.68	0.16
valle	15	Max WS	7.44	248.11	250.44		250.47	0.000339	0.72	11.38	9.88	0.17
valle	14	Max WS	7.63	247.93	250.43		250.45	0.000278	0.68	12.55	10.28	0.15
valle	13.64		Lat Struct									
valle	13	Max WS	13.07	247.93	250.32		250.39	0.000864	1.20	12.70	13.23	0.27
valle	12.9		Lat Struct									
valle	12	Max WS	13.81	247.88	250.24		250.32	0.001026	1.26	12.17	10.43	0.30
valle	11.9		Lat Struct									
valle	11	Max WS	11.75	247.65	250.24	249.02	250.29	0.001075	1.07	10.99	7.05	0.27
valle	10.5		Bridge									
valle	10	Max WS	11.67	247.56	250.08		250.13	0.000893	0.99	11.75	7.53	0.25
valle	9.85		Lat Struct									
valle	9.4		Lat Struct									
valle	9	Max WS	6.98	247.24	250.04	248.31	250.05	0.000204	0.51	13.91	9.06	0.13
valle	8.5		Bridge									
valle	8	Max WS	6.98	247.38	249.79		249.81	0.000325	0.60	11.70	9.03	0.16
valle	7	Max WS	8.39	246.92	249.72		249.73	0.000277	0.59	21.27	68.11	0.15
valle	6.5		Culvert									
valle	6	Max WS	8.40	247.23	249.68		249.71	0.000405	0.67	17.23	60.55	0.17
valle	5	Max WS	9.39	246.91	249.55		249.60	0.000845	0.94	10.04	5.53	0.22
valle	4.45		Bridge									
valle	4	Max WS	9.52	246.83	249.53		249.55	0.000257	0.56	35.94	86.15	0.14
valle	3.95		Lat Struct									
valle	3	Max WS	5.27	246.71	249.51		249.52	0.000096	0.34	15.76	20.14	0.09
valle	2	Max WS	4.70	246.84	249.51		249.51	0.000030	0.21	46.13	85.89	0.05
valle	1	Max WS	7.73	246.70	249.38		249.45	0.001682	1.17	8.44	16.22	0.25



ALLEGATI

MODELLAZIONE HEC-RAS 5.0.3 "Parcia"

TORRENTE PARCIA

MODELLAZIONE PER TR=30 e 200 ANNI

DURATA DI PIOGGIA: 2h

Profilo longitudinale

Sezioni Trasversali

Dati idraulici



ALLEGATI

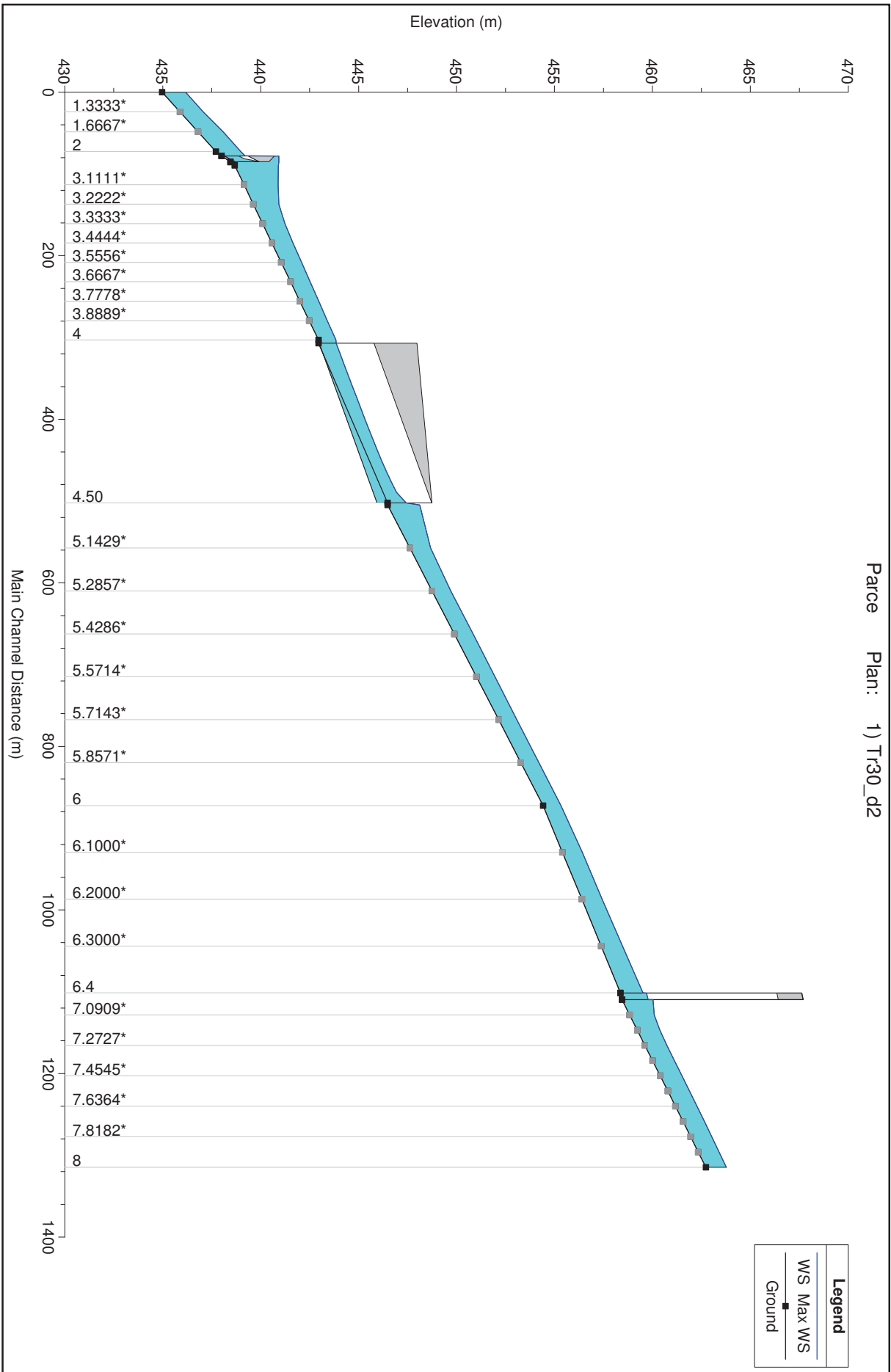
MODELLAZIONE HEC-RAS 5.0.3 "Parcia"

TORRENTE PARCIA

MODELLAZIONE PER TR=30 anni

DURATE DI PIOGGIA: 2h

Profilo longitudinale





ALLEGATI

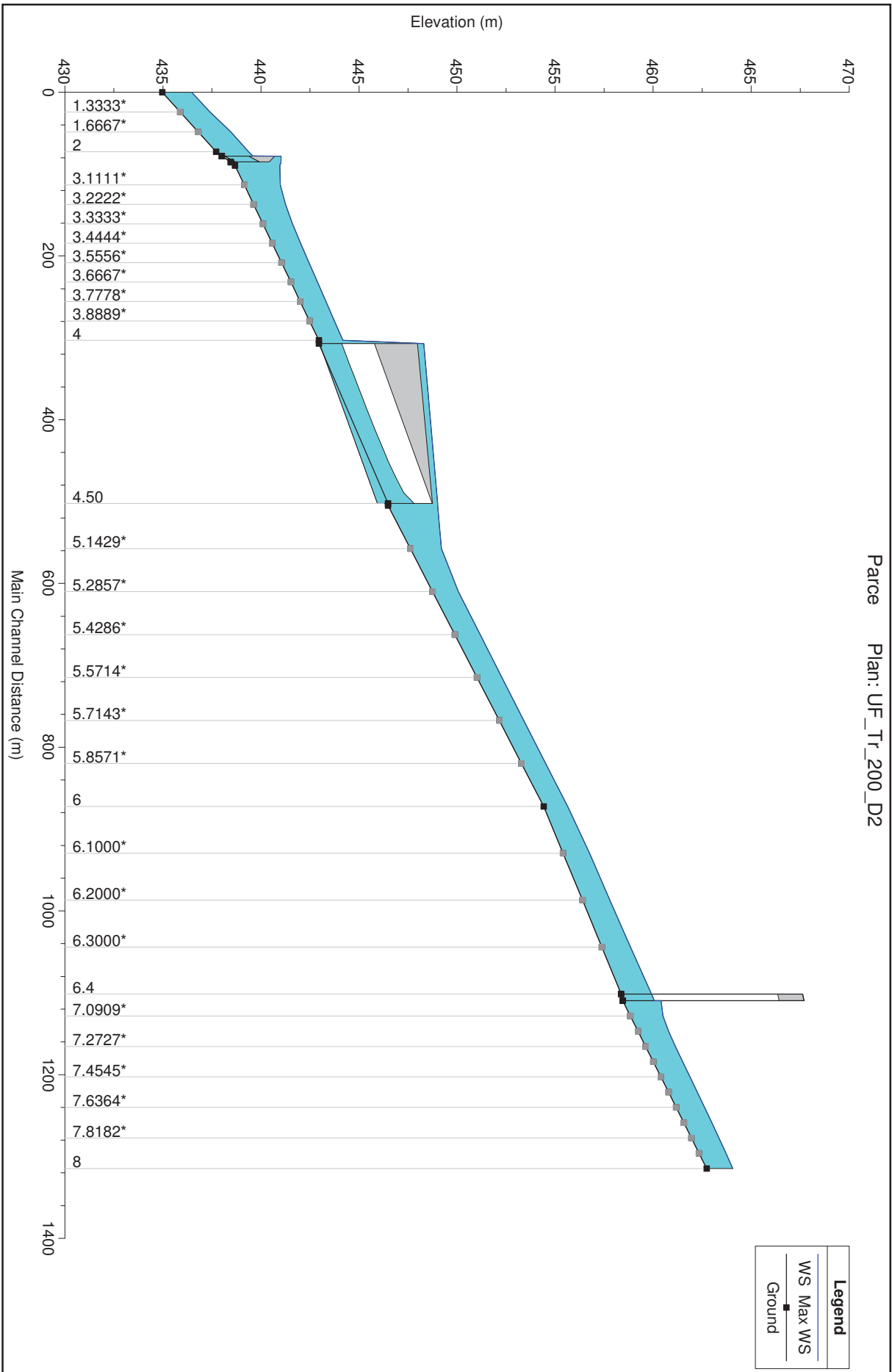
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TORRENTE PARCIA

MODELLAZIONE PER TR=200 anni

DURATE DI PIOGGIA: 2h

Profilo longitudinale





ALLEGATI

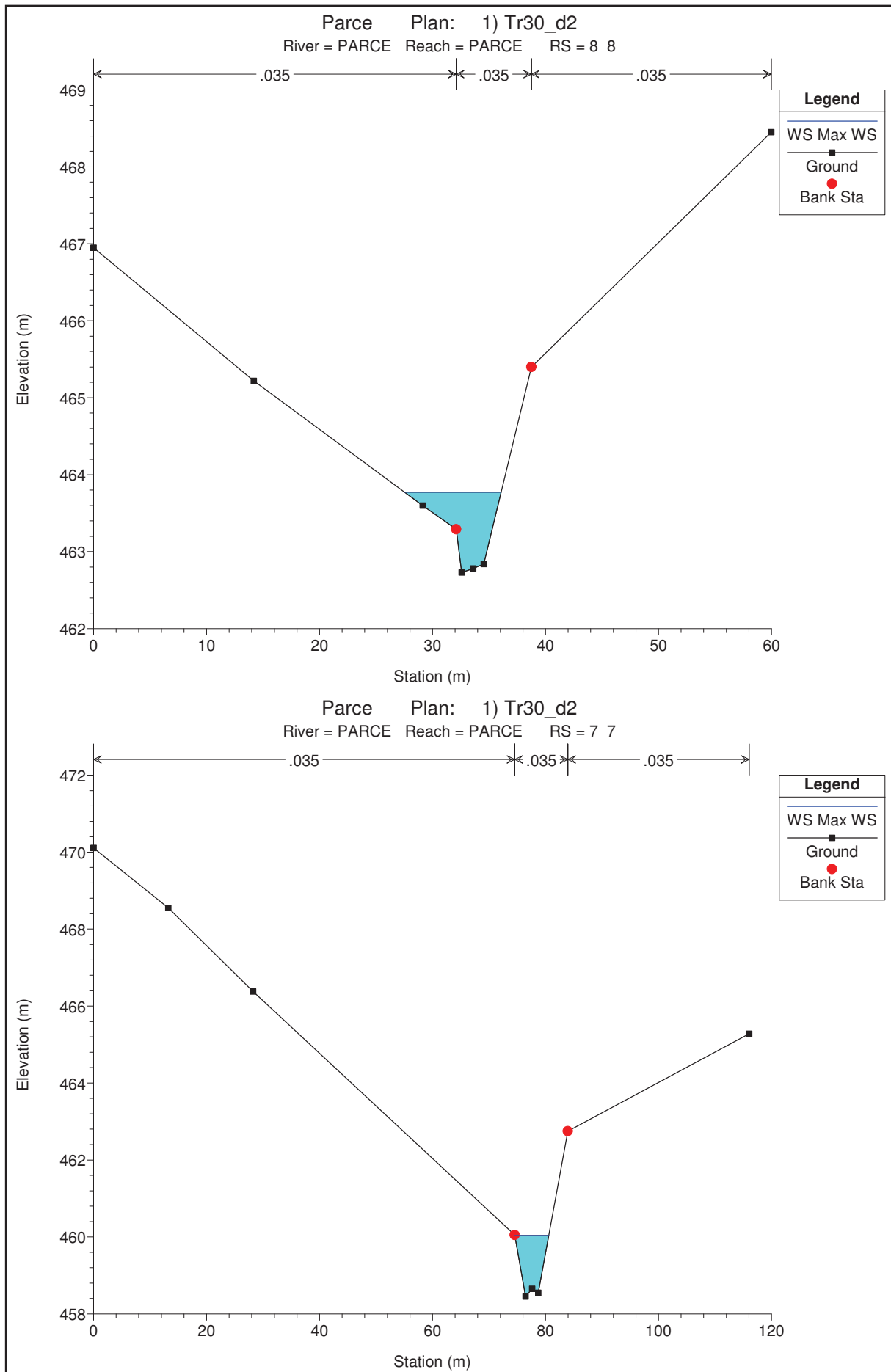
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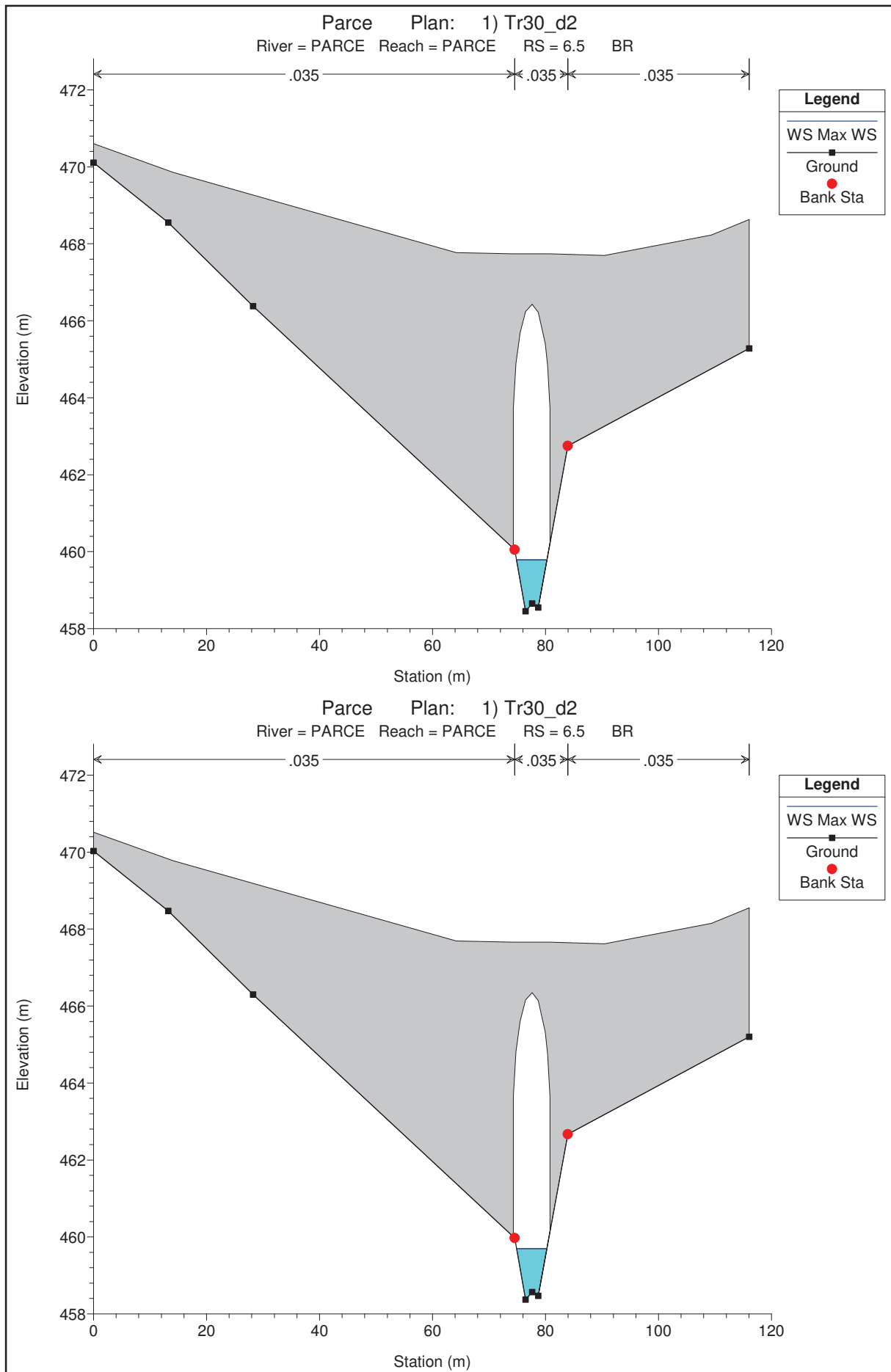
TORRENTE PARCIA

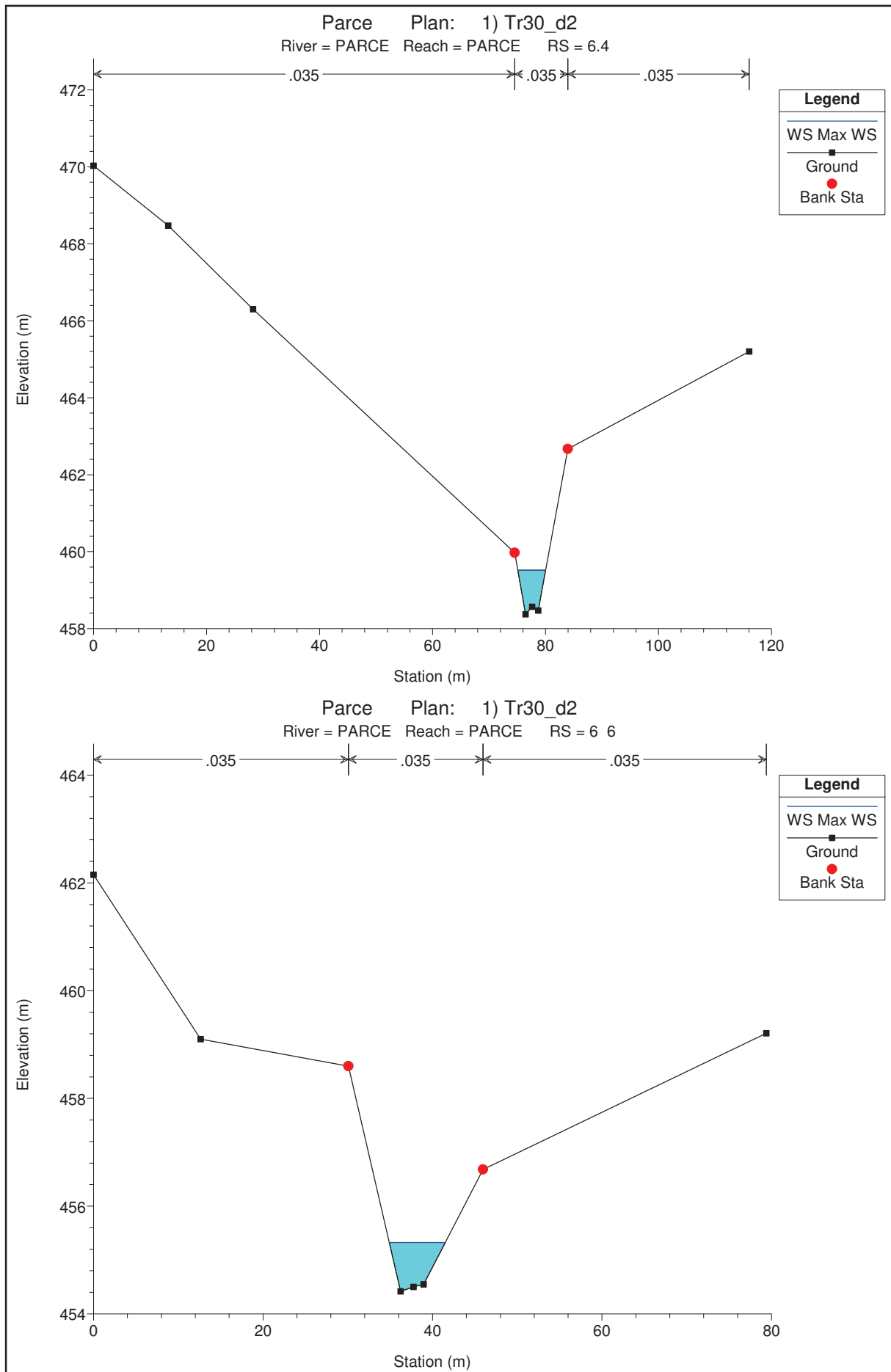
MODELLAZIONE PER TR=30 anni

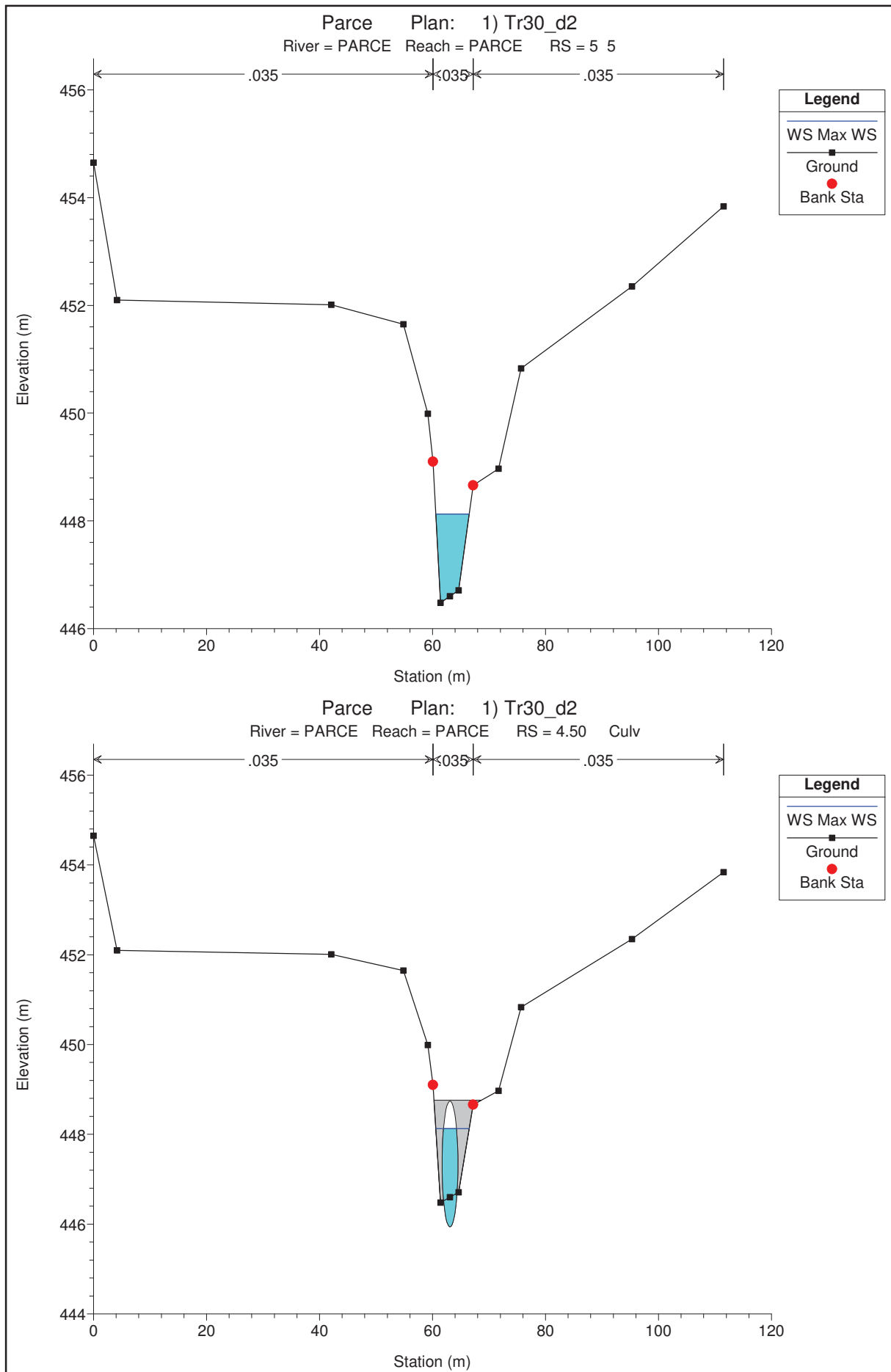
DURATE DI PIOGGIA: 2h

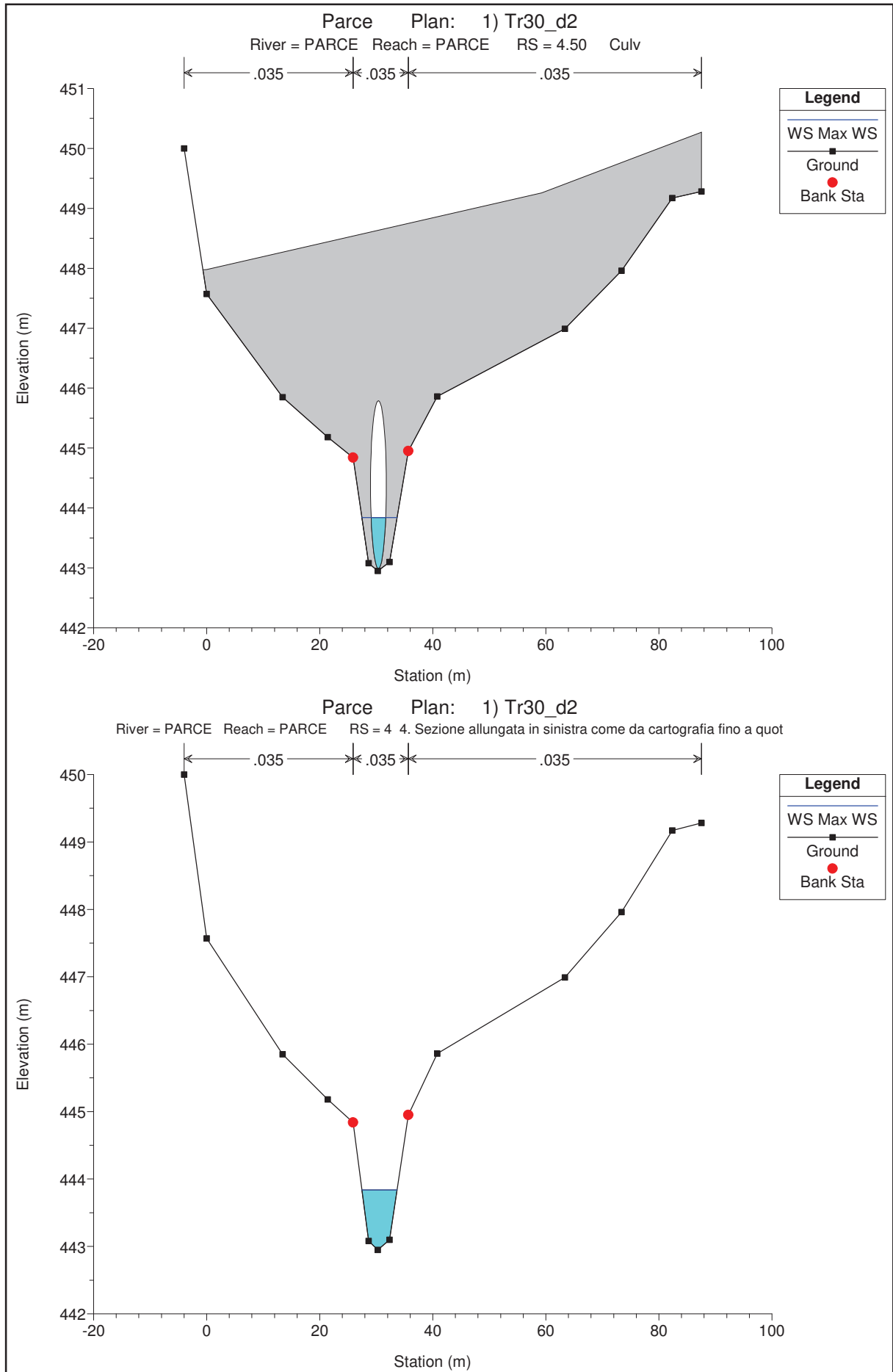
Sezioni Trasversali (da monte verso valle)

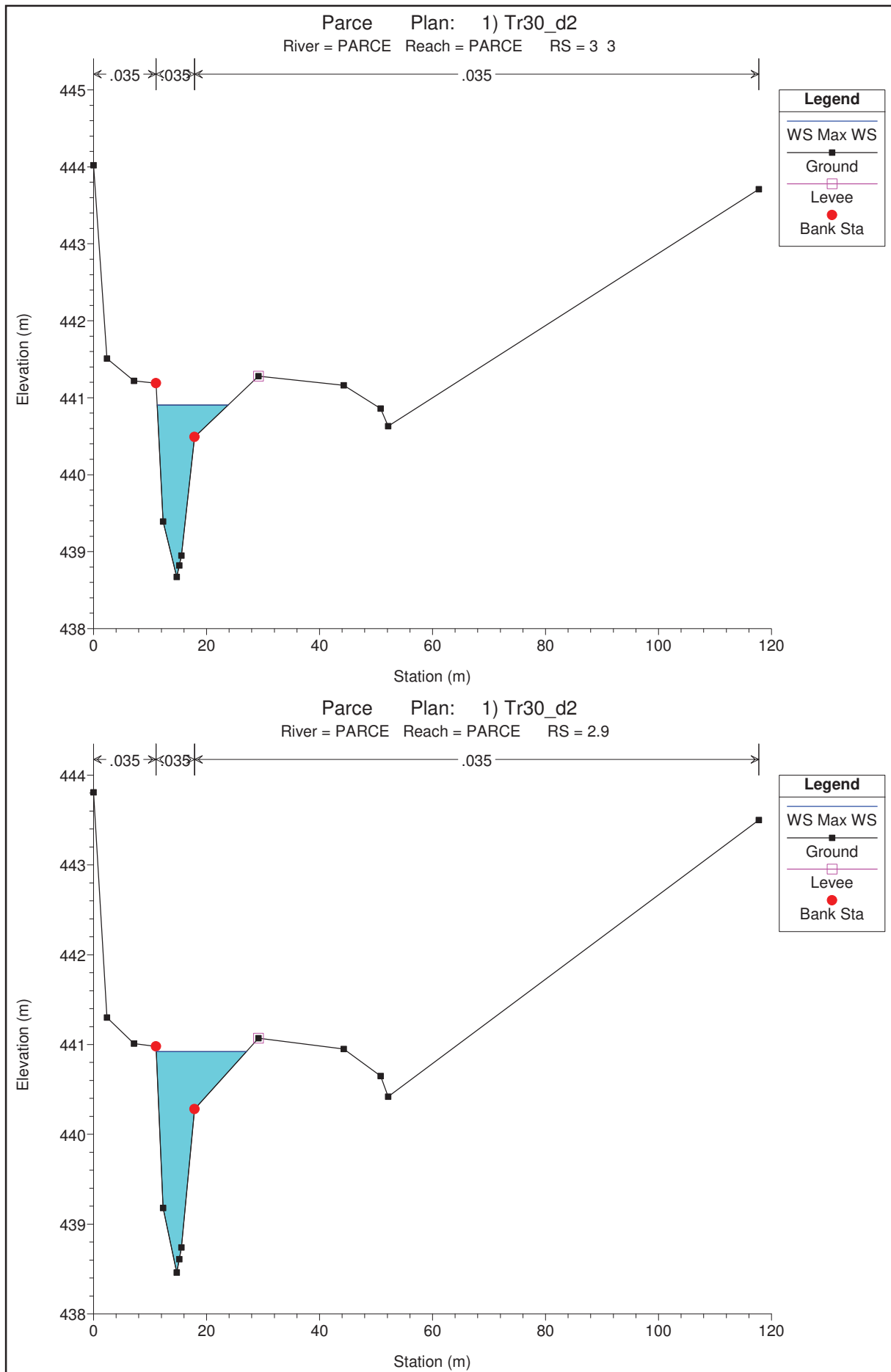


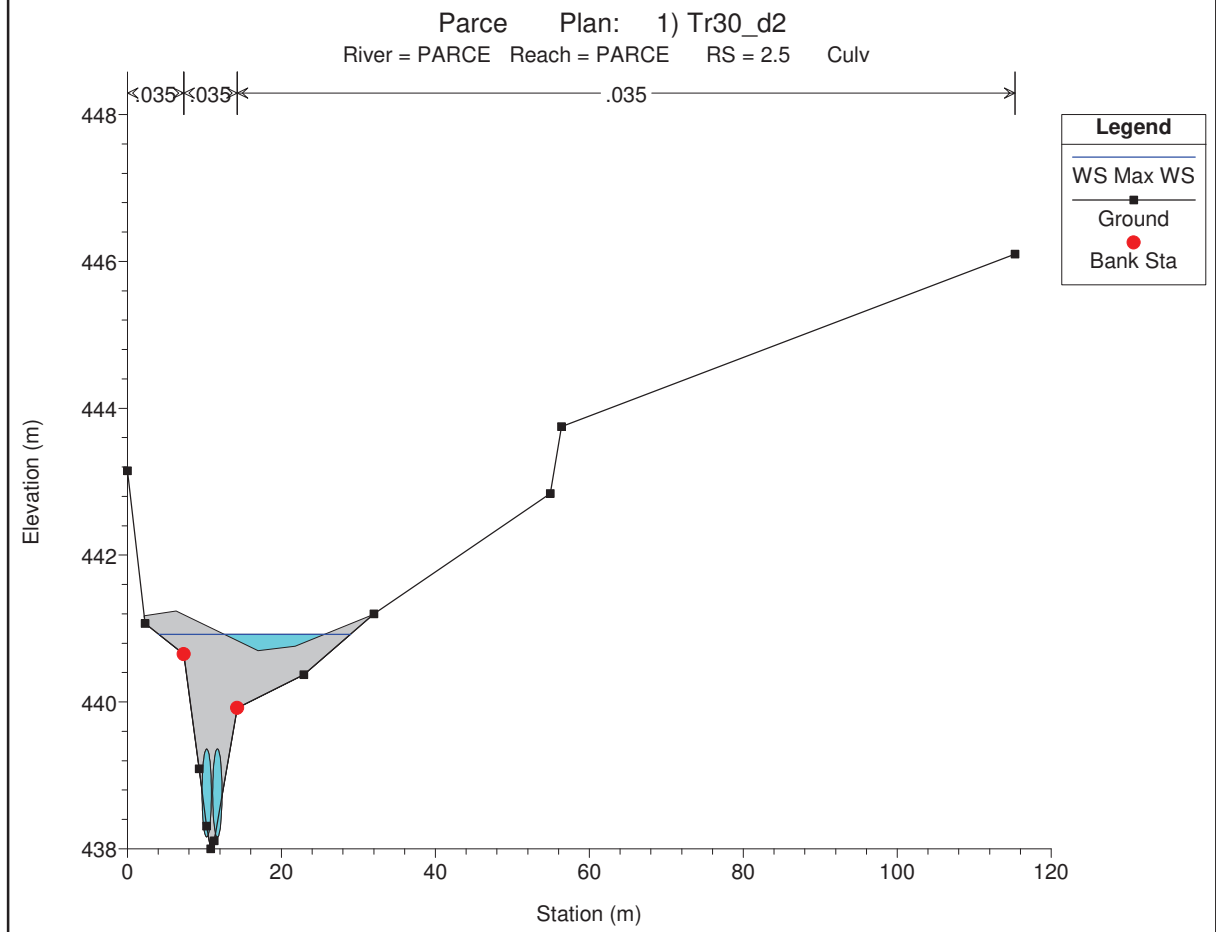
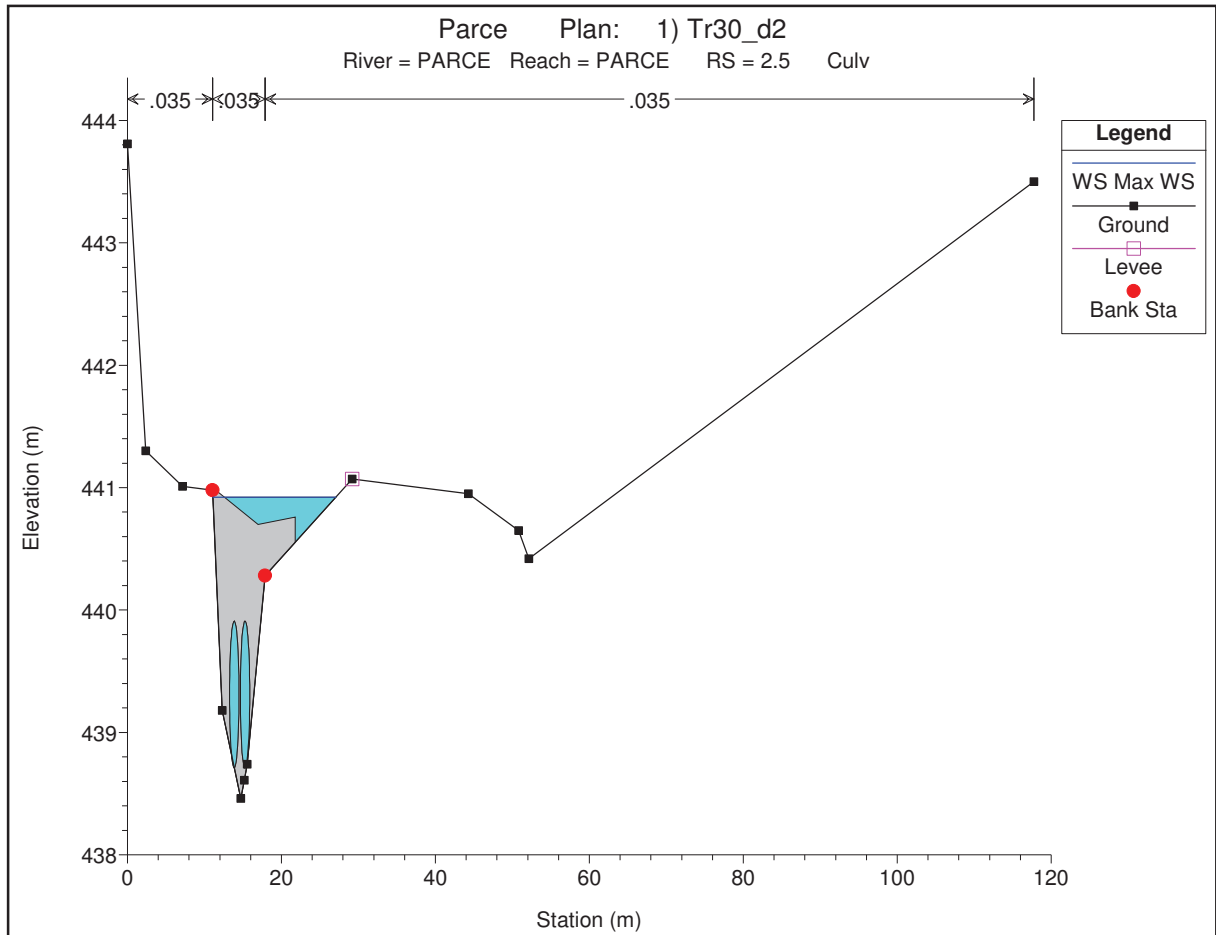


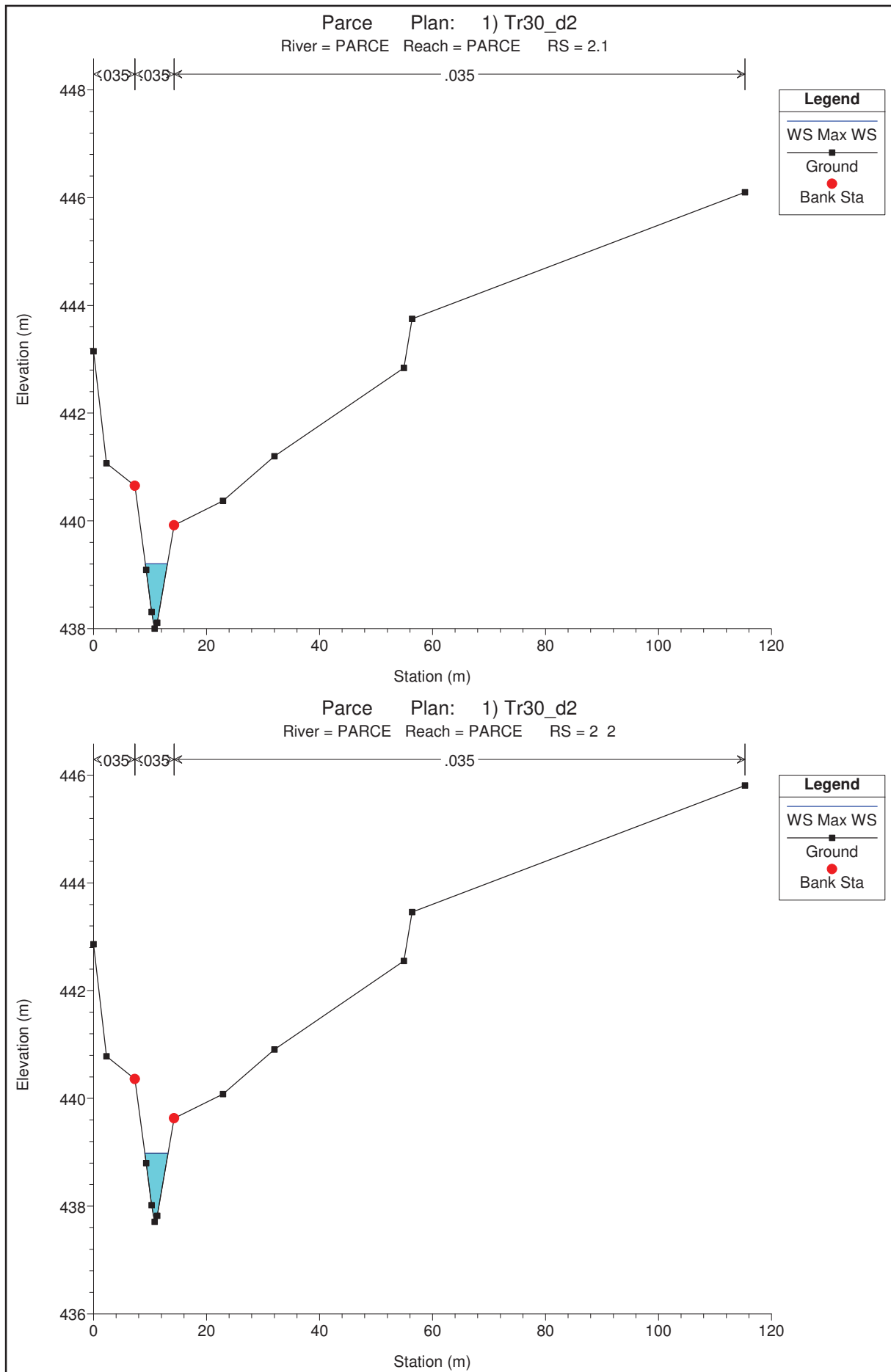


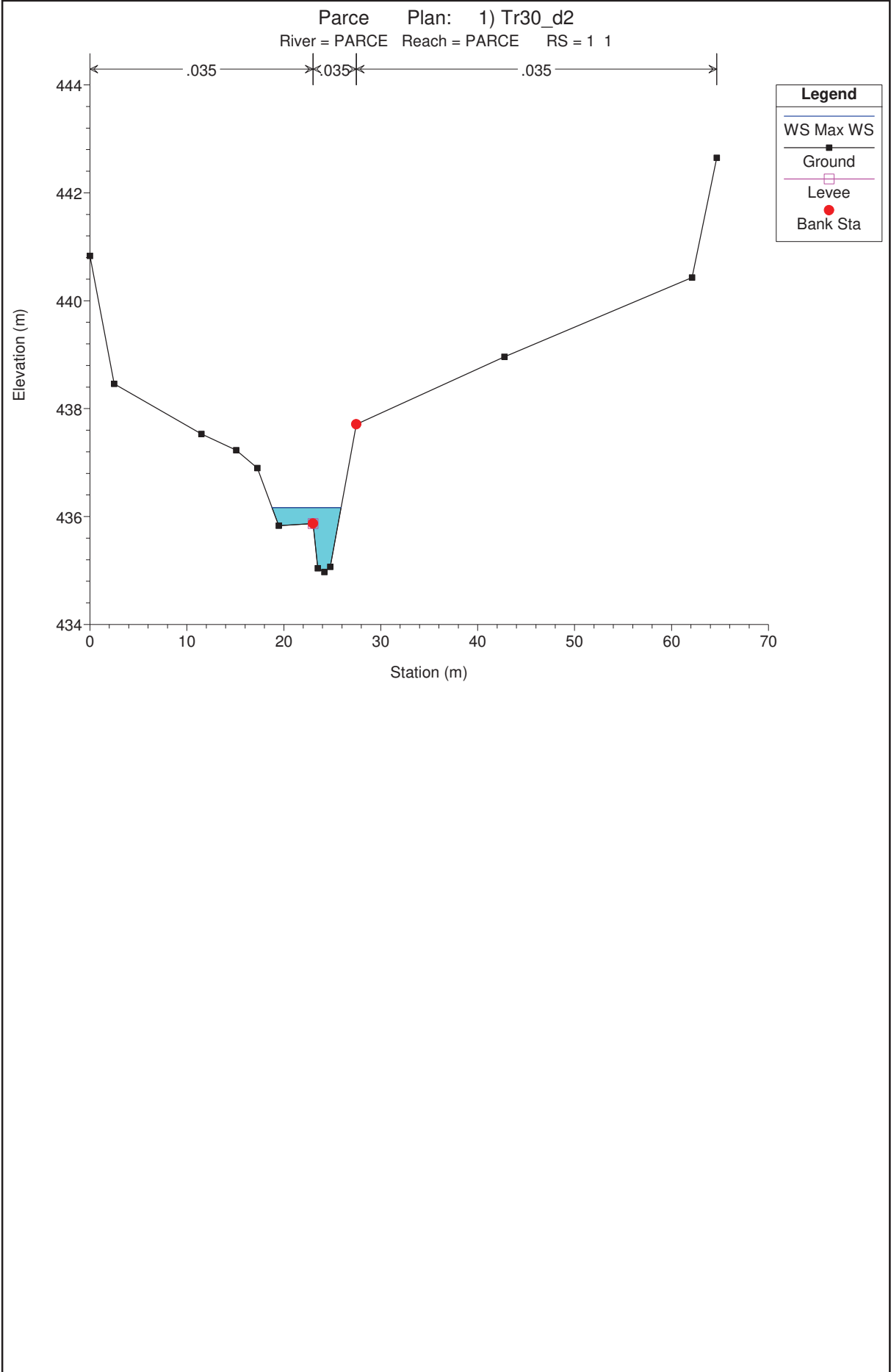














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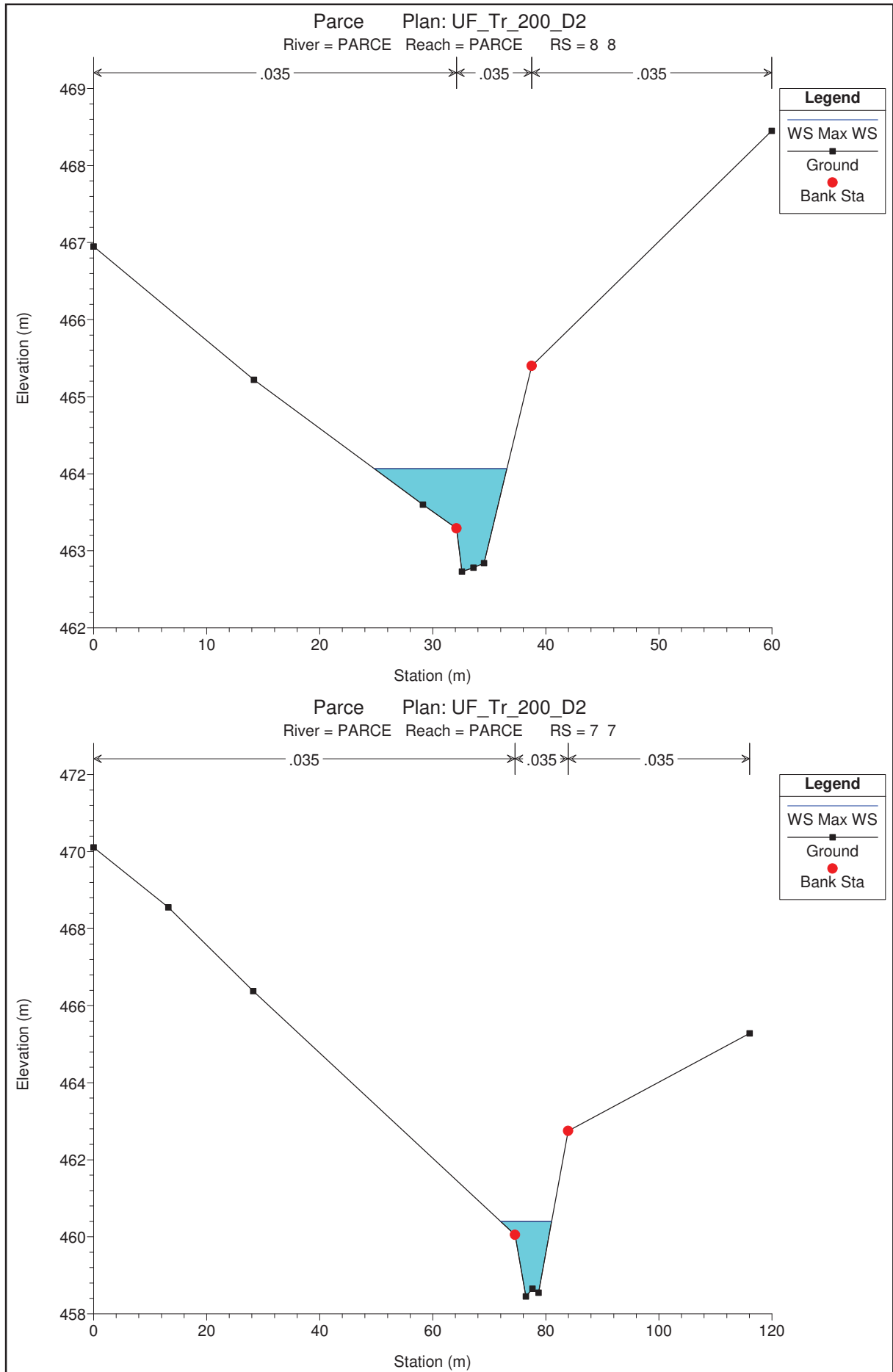
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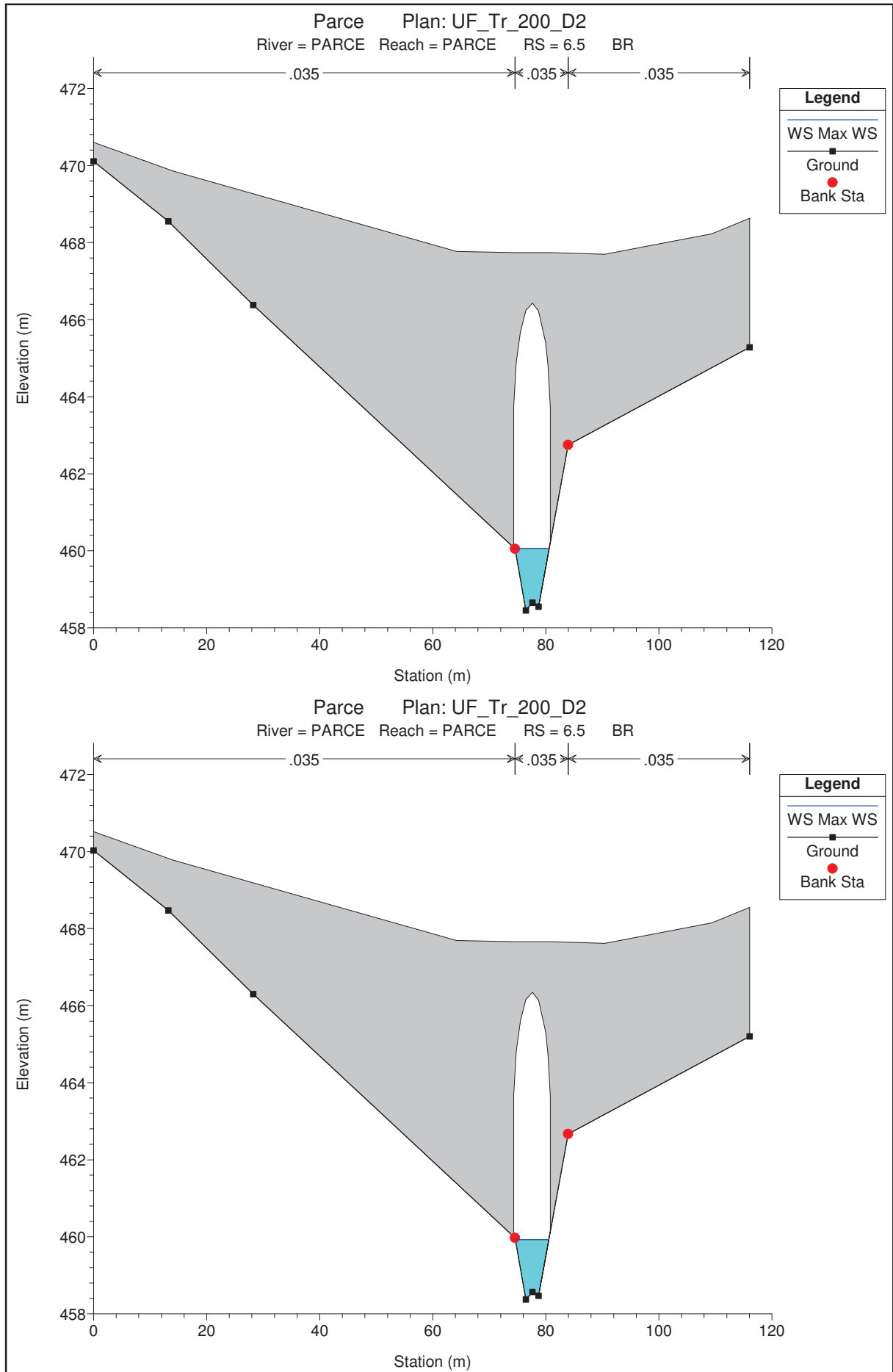
TORRENTE PARCIA

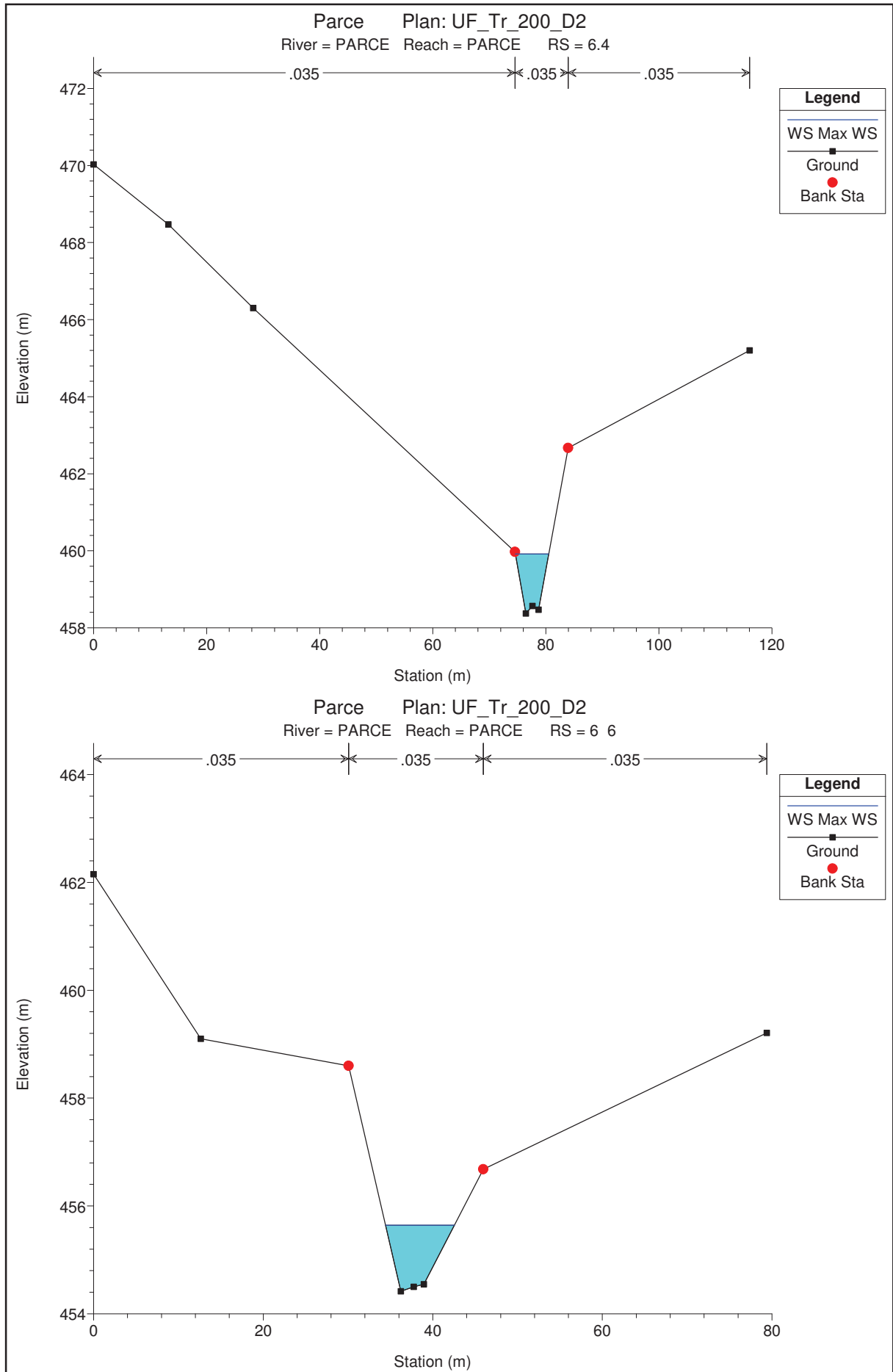
MODELLAZIONE PER TR=200 anni

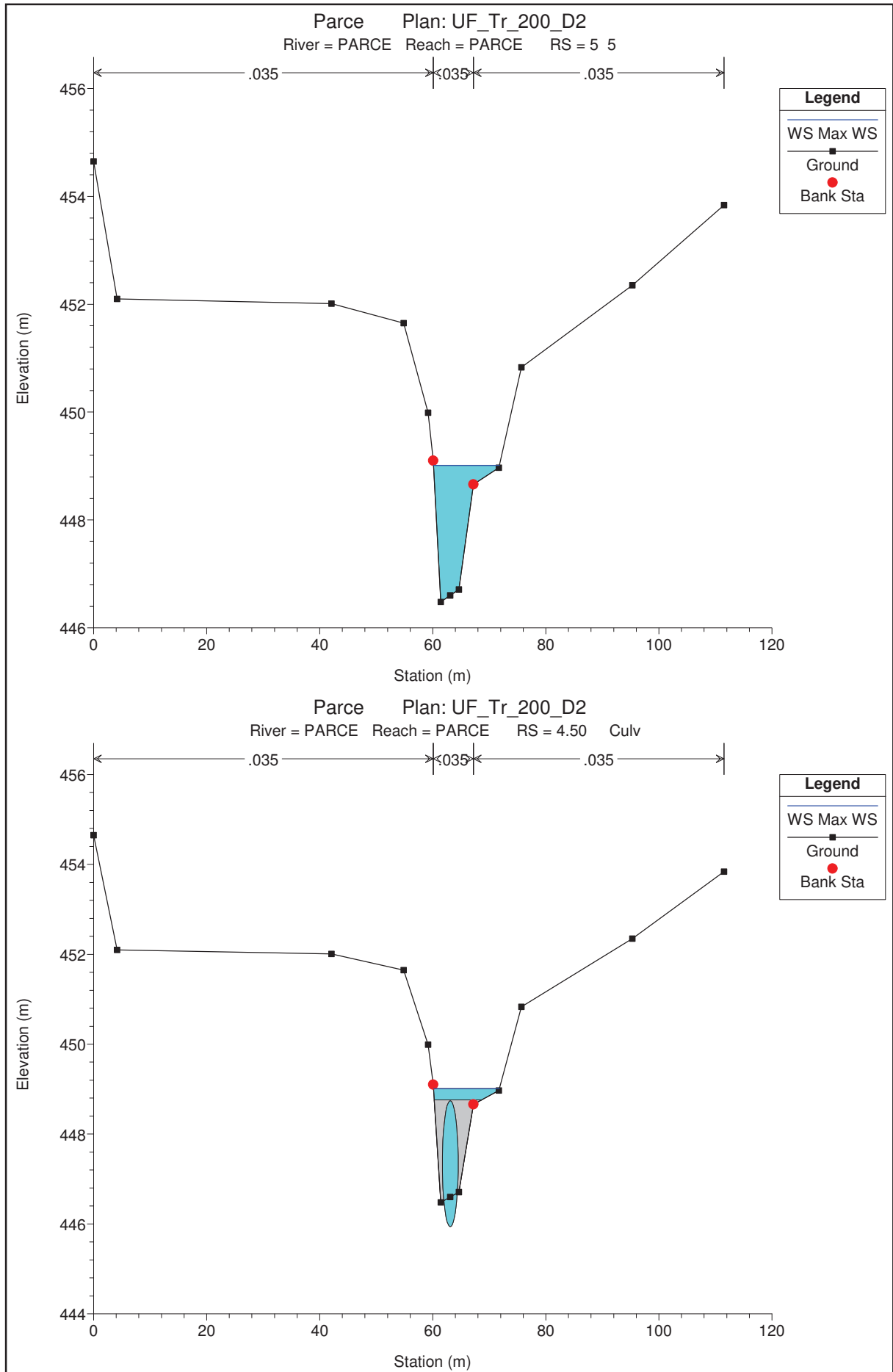
DURATE DI PIOGGIA: 2h

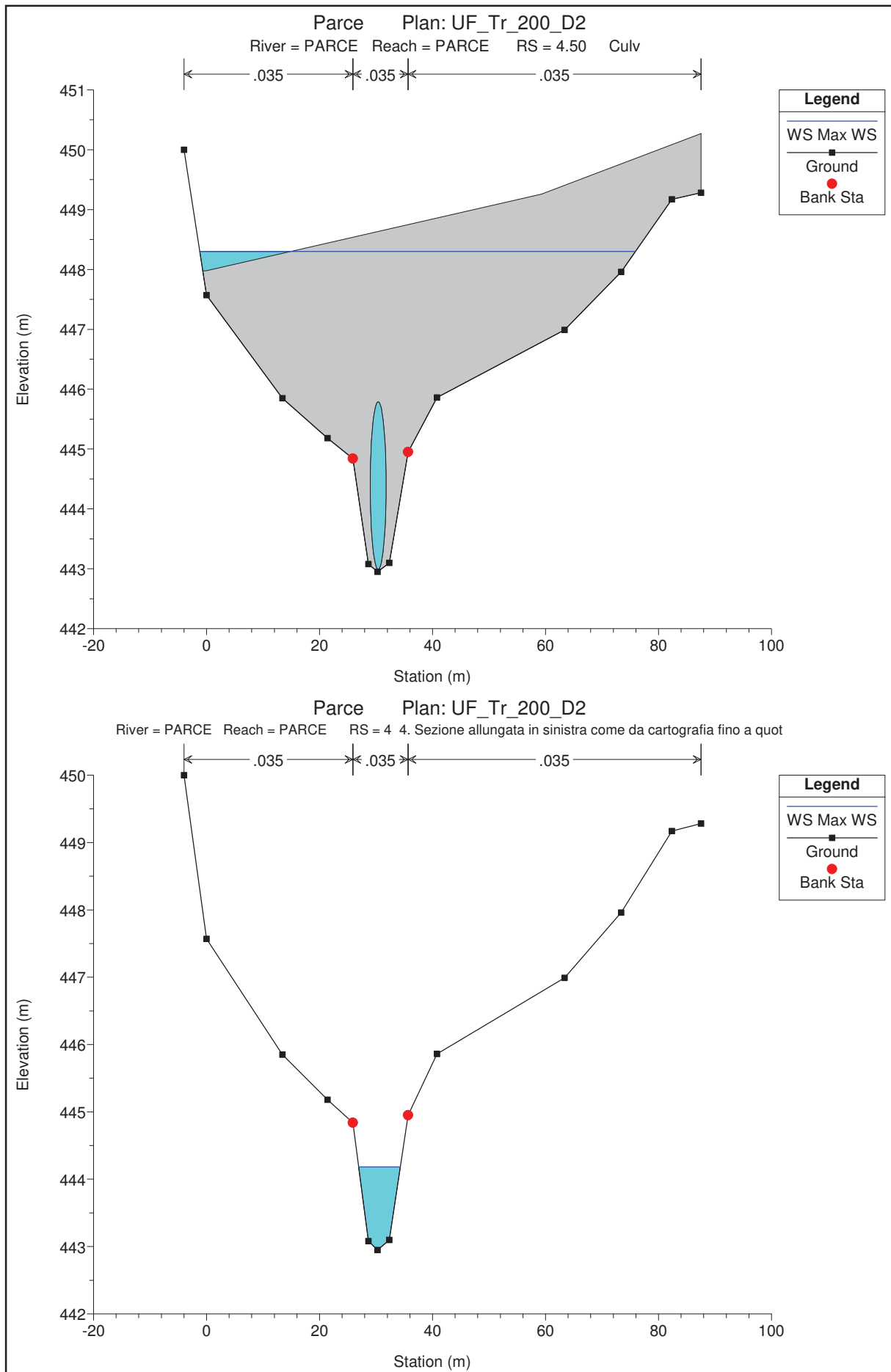
Sezioni Trasversali (da monte verso valle)

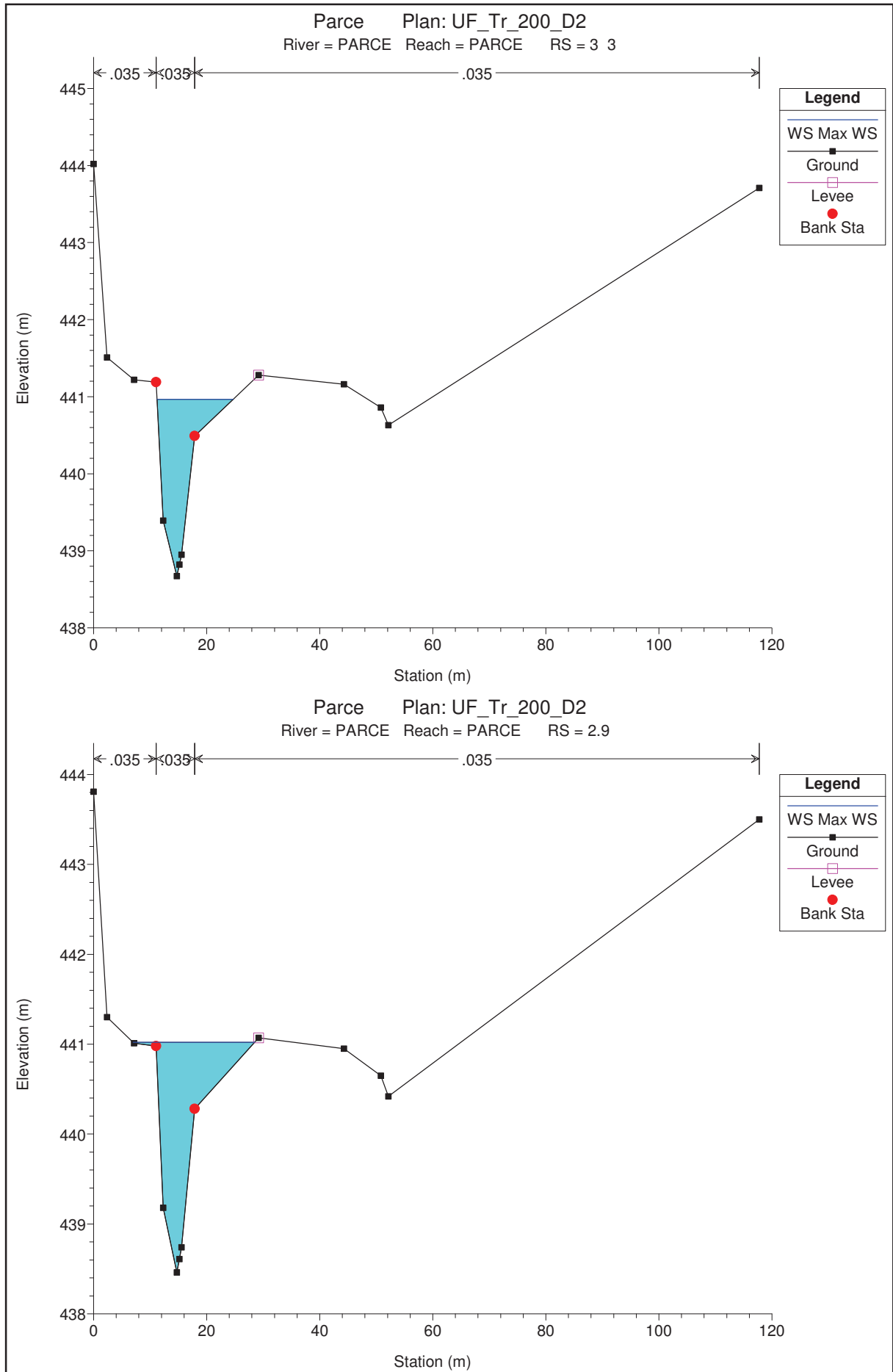


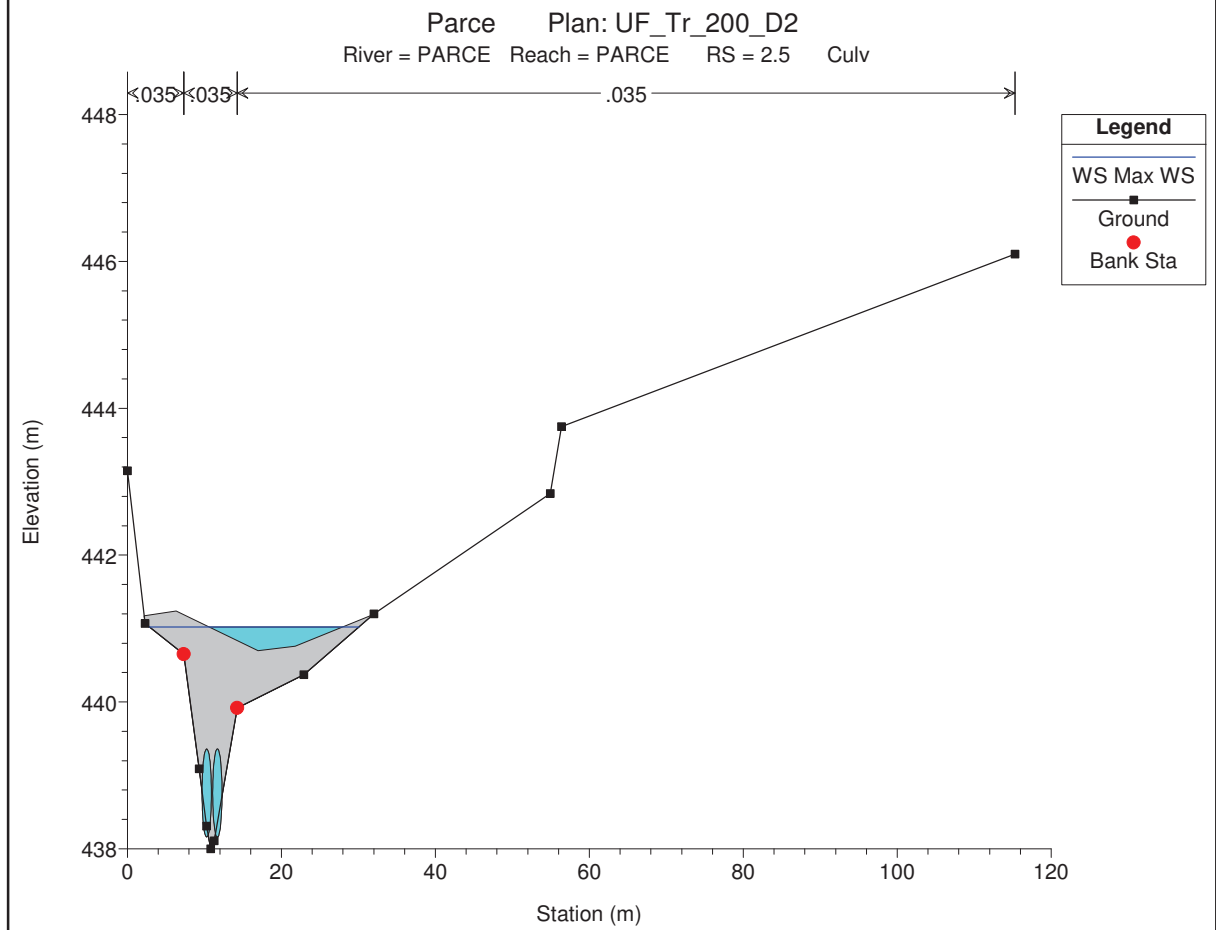
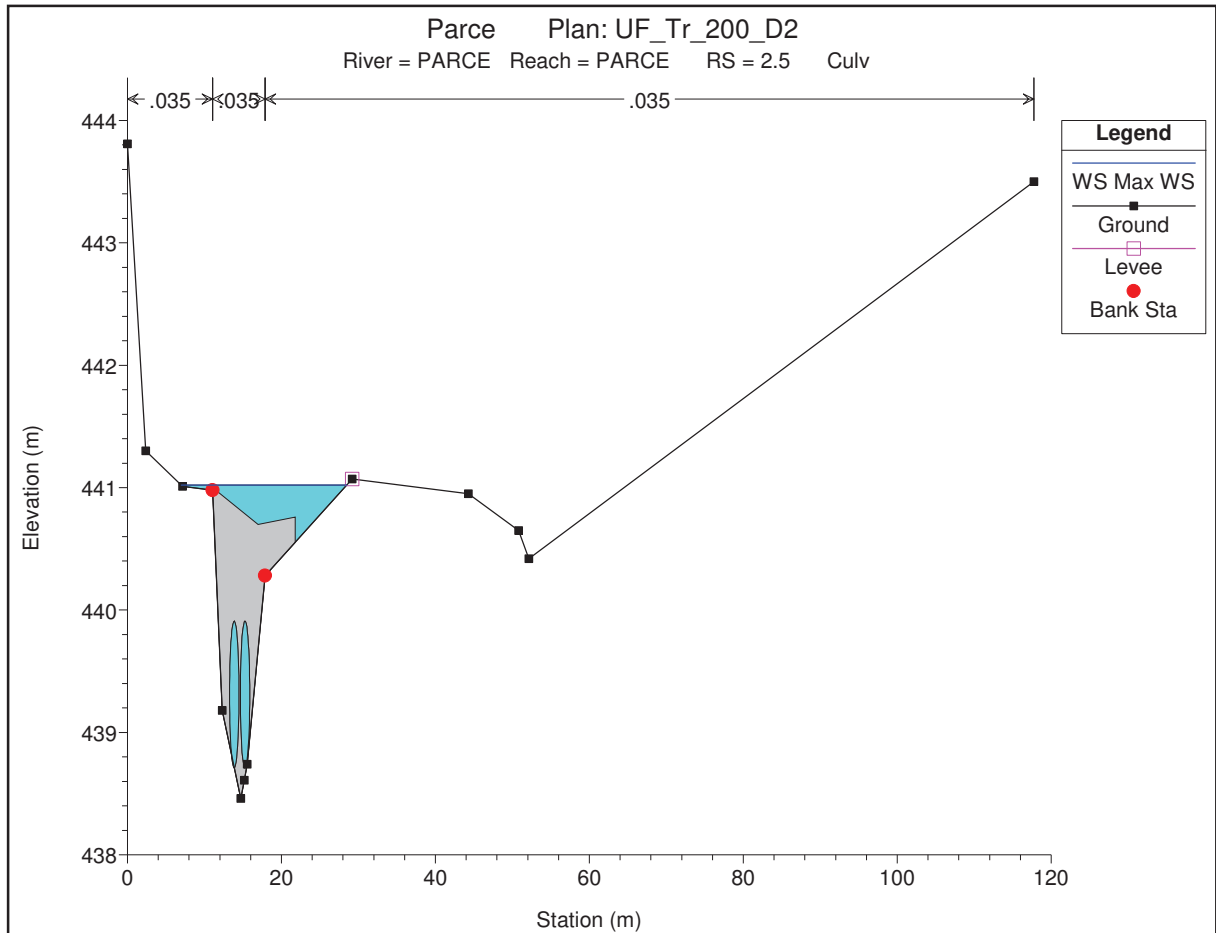


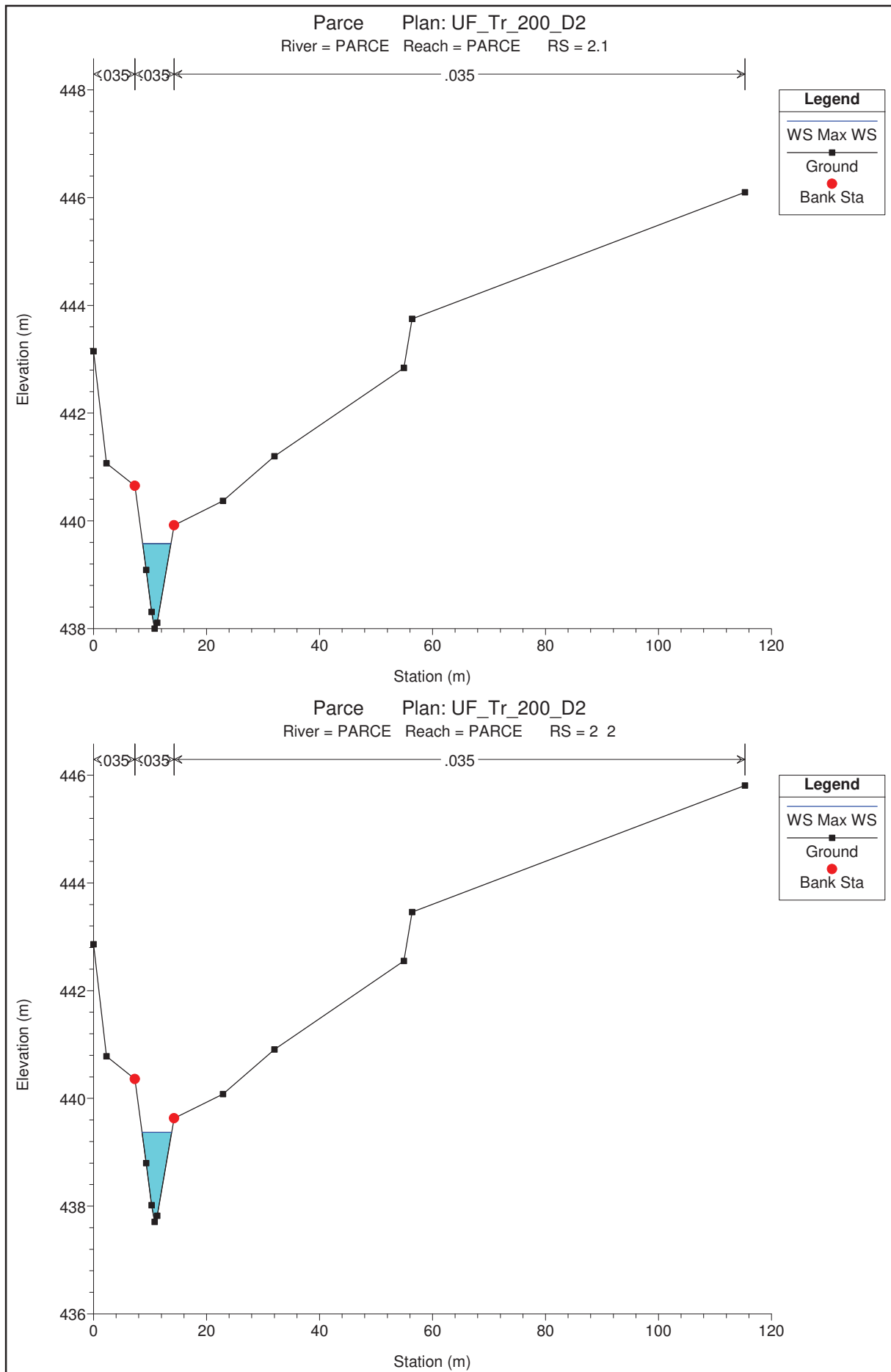


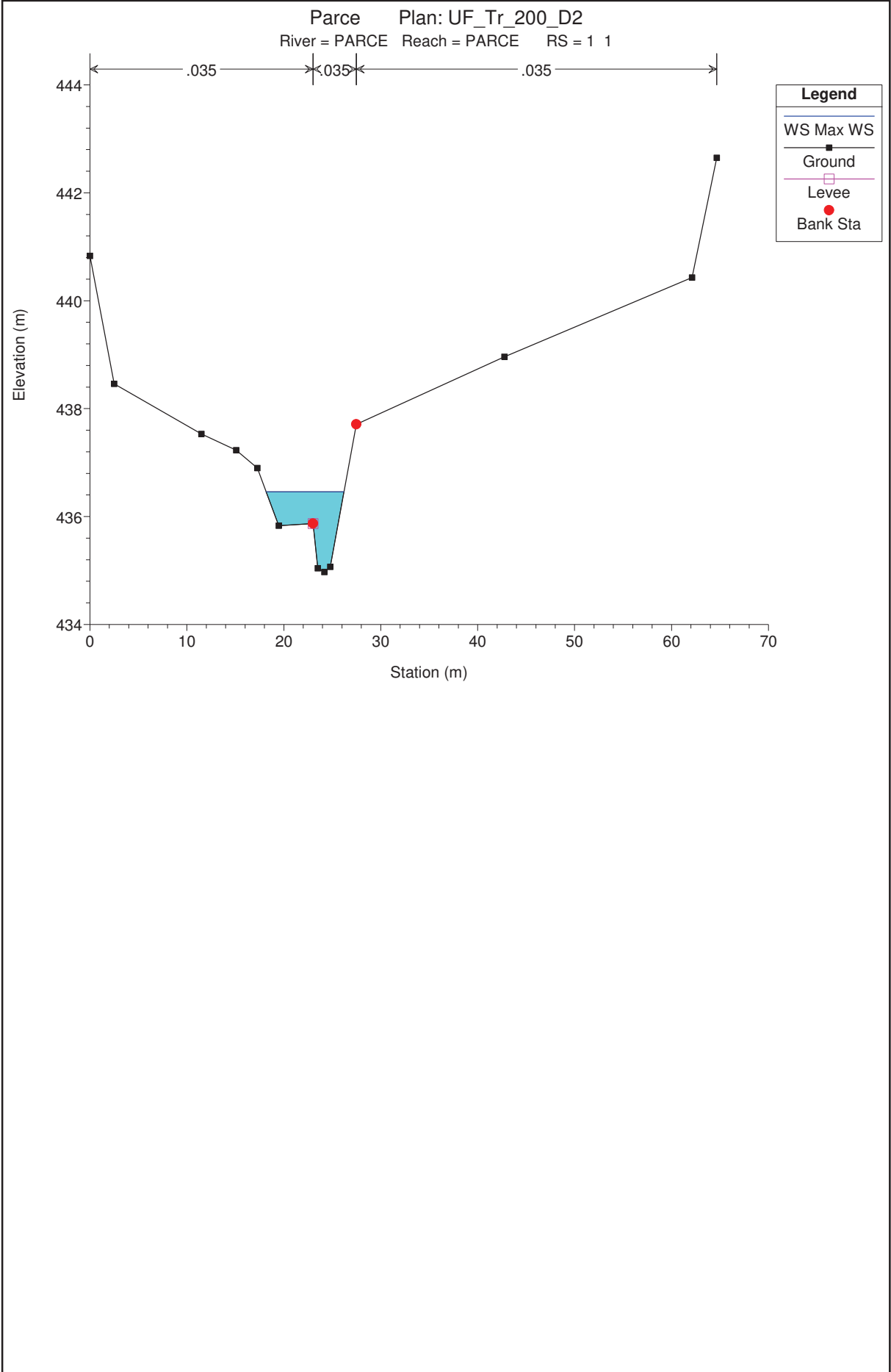














ALLEGATI

MODELLAZIONE HEC-RAS 5.0.3 "Parcia"

TORRENTE PARCIA

MODELLAZIONE PER TR=30 anni

DURATE DI PIOGGIA: 2h

Dati idraulici

HEC-RAS Plan: Tr30_d2 River: PARCE Reach: PARCE Profile: Max WS

Reach	River Sta	Profile	Q Total (m ³ /s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m ²)	Top Width (m)	Froude # Chl
PARCE	8	Max WS	11.30	462.73	463.77	463.90	464.22	0.020620	3.15	4.14	8.55	1.15
PARCE	7	Max WS	11.30	458.45	460.04	459.65	460.21	0.004917	1.82	6.19	6.01	0.57
PARCE	6.5											
		Bridge										
PARCE	6.4	Max WS	11.30	458.37	459.52	459.57	459.97	0.019066	2.99	3.78	4.93	1.09
PARCE	6	Max WS	11.30	454.42	455.33	455.41	455.76	0.022821	2.91	3.88	6.62	1.21
PARCE	5	Max WS	11.30	446.48	448.13		448.26	0.003581	1.63	6.92	5.91	0.48
PARCE	4.50	Inizio Tratto In										
		Culvert										
PARCE	4	Max WS	11.30	442.95	443.84	443.90	444.25	0.019591	2.84	3.98	6.23	1.13
PARCE	3	Max WS	11.30	438.67	440.91		440.97	0.001148	1.11	11.06	12.55	0.29
PARCE	2.9	Max WS	11.30	438.46	440.92		440.96	0.000664	0.91	14.29	15.95	0.22
PARCE	2.5											
		Culvert										
PARCE	2.1	Max WS	11.30	438.00	439.20	439.52	440.20	0.052510	4.42	2.56	3.89	1.74
PARCE	2	Max WS	11.30	437.71	438.98	439.23	439.79	0.039880	3.98	2.84	4.10	1.53
PARCE	1	Max WS	11.30	434.97	436.17	436.33	436.72	0.028660	3.58	3.67	7.12	1.24



ALLEGATI

MODELLAZIONE HEC-RAS 5.0.3 "Parcia"

TORRENTE PARCIA

MODELLAZIONE PER TR=200 anni

DURATE DI PIOGGIA: 2h

Dati idraulici

HEC-RAS Plan: TR200_D2 River: PARCE Reach: PARCE Profile: Max WS

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
PARCE	8	Max WS	21.20	462.73	464.07	464.21	464.59	0.019563	3.56	7.10	11.72	1.16
PARCE	7	Max WS	17.07	458.45	460.40	459.93	460.60	0.004277	1.99	8.92	9.05	0.55
PARCE	6.5											
		Bridge										
PARCE	6.4	Max WS	21.18	458.37	459.92	460.01	460.56	0.019374	3.57	5.94	5.90	1.14
PARCE	6	Max WS	21.17	454.42	455.64	455.78	456.24	0.022219	3.41	6.21	8.12	1.25
PARCE	5	Max WS	21.16	446.48	449.01		449.14	0.002106	1.62	13.68	11.64	0.39
PARCE	4.50	Inizio Tratto In										
		Culvert										
PARCE	4	Max WS	21.16	442.95	444.18	444.28	444.75	0.018855	3.35	6.31	7.39	1.16
PARCE	3	Max WS	15.41	438.67	440.97		441.07	0.001839	1.43	11.85	13.47	0.37
PARCE	2.9	Max WS	21.16	438.46	441.02		441.13	0.001831	1.56	16.04	21.48	0.37
PARCE	2.5											
		Culvert										
PARCE	2.1	Max WS	21.16	438.00	439.58	440.01	440.85	0.048178	5.00	4.23	5.00	1.73
PARCE	2	Max WS	21.16	437.71	439.37	439.72	440.43	0.037892	4.57	4.63	5.23	1.55
PARCE	1	Max WS	21.16	434.97	436.46	436.65	437.15	0.027454	4.02	5.89	8.02	1.26



ALLEGATI

MODELLAZIONE HEC-RAS 5.0.6 "Salarco Rigo"

TORRENTE SALARCO

MODELLAZIONE PER TR=30 e 200 ANNI

DURATA DI PIOGGIA: 4h

Profilo longitudinale

Sezioni Trasversali

Dati idraulici



ALLEGATI

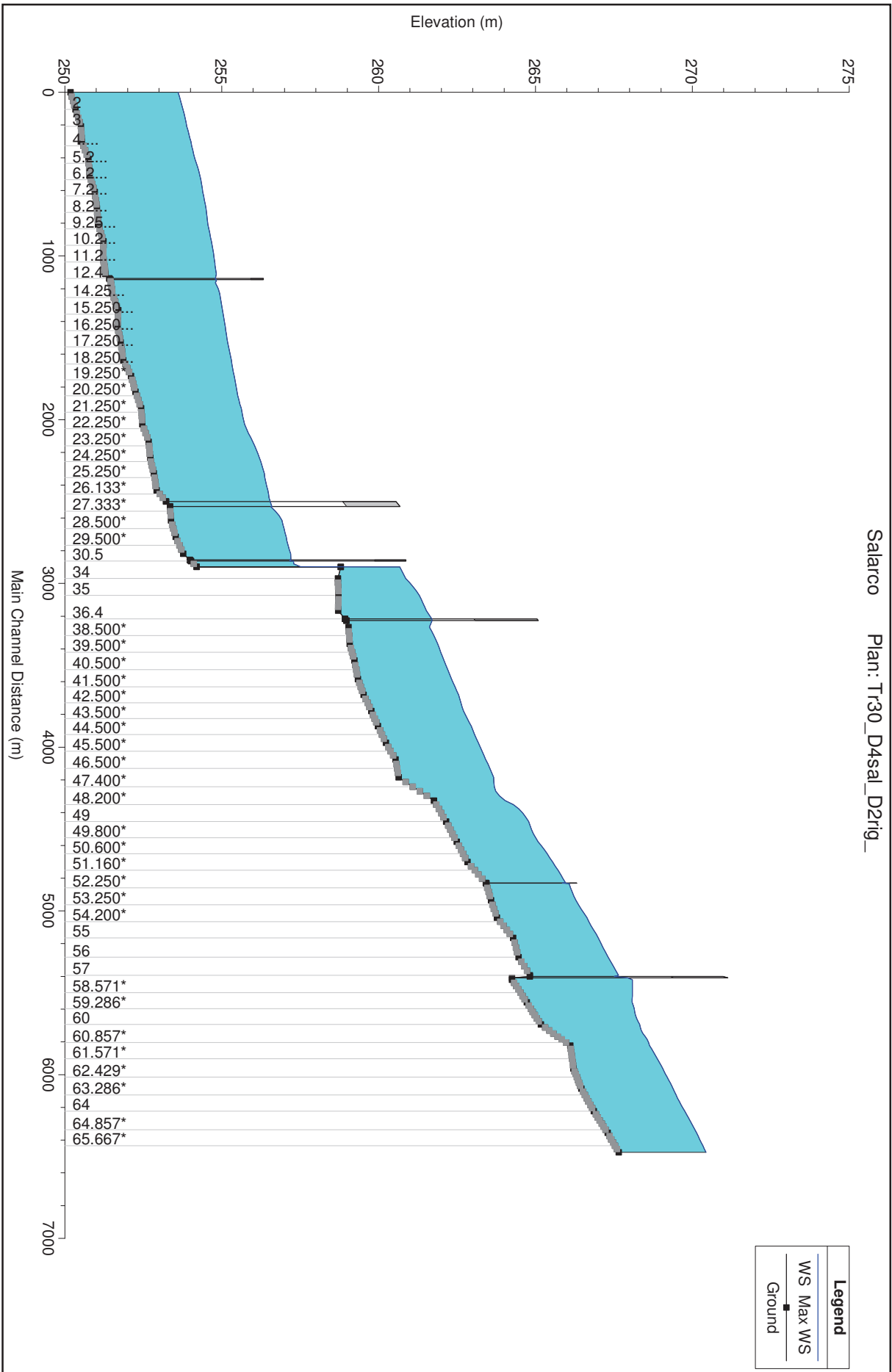
MODELLAZIONE HEC-RAS 5.0.6 "Salarco Rigo"

TORRENTE SALARCO

MODELLAZIONE PER TR=30 anni

DURATE DI PIOGGIA: 4h

Profilo longitudinale





ALLEGATI

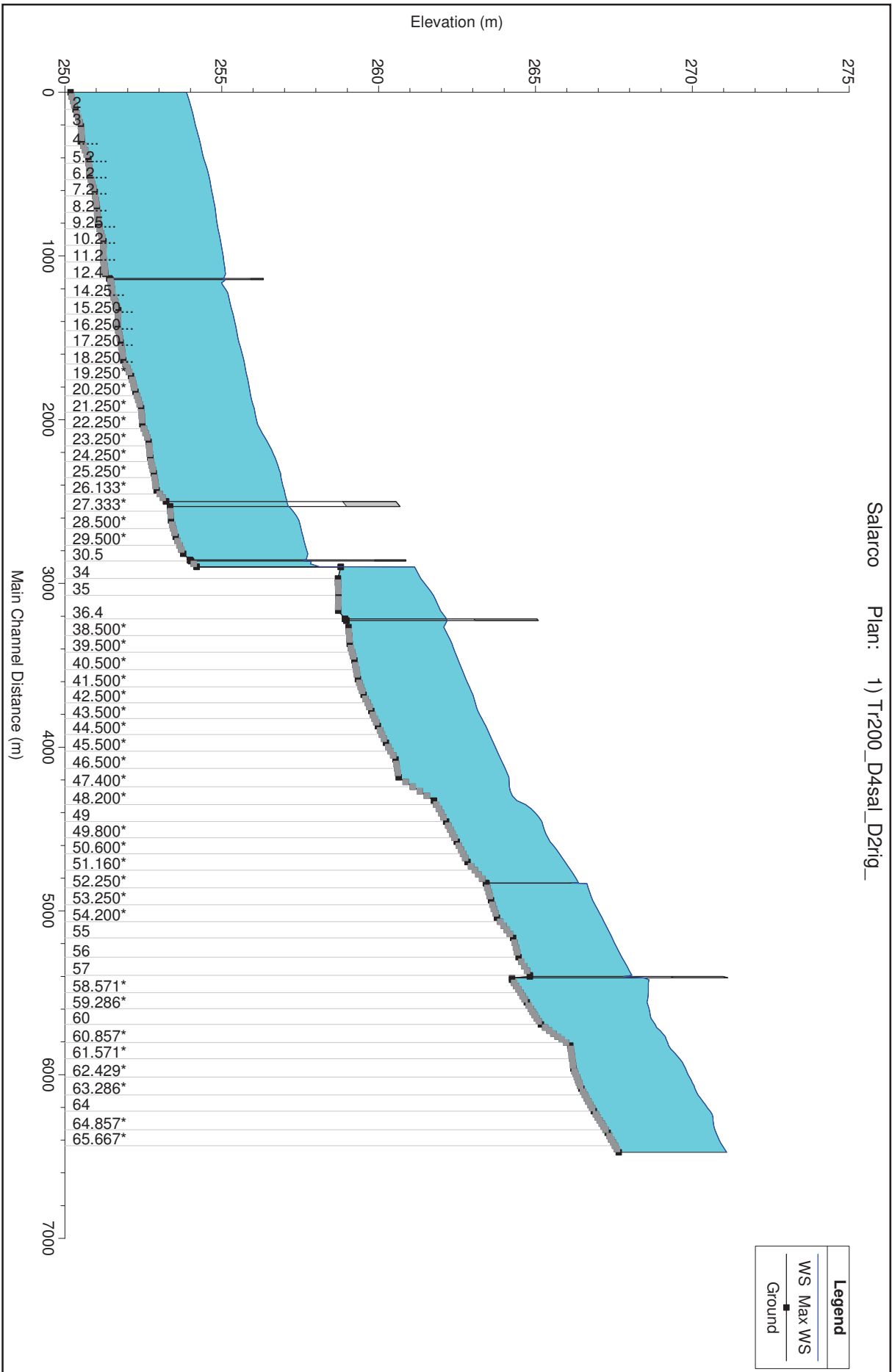
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TORRENTE SALARCO

MODELLAZIONE PER TR=200 anni

DURATE DI PIOGGIA: 4h

Profilo longitudinale





ALLEGATI

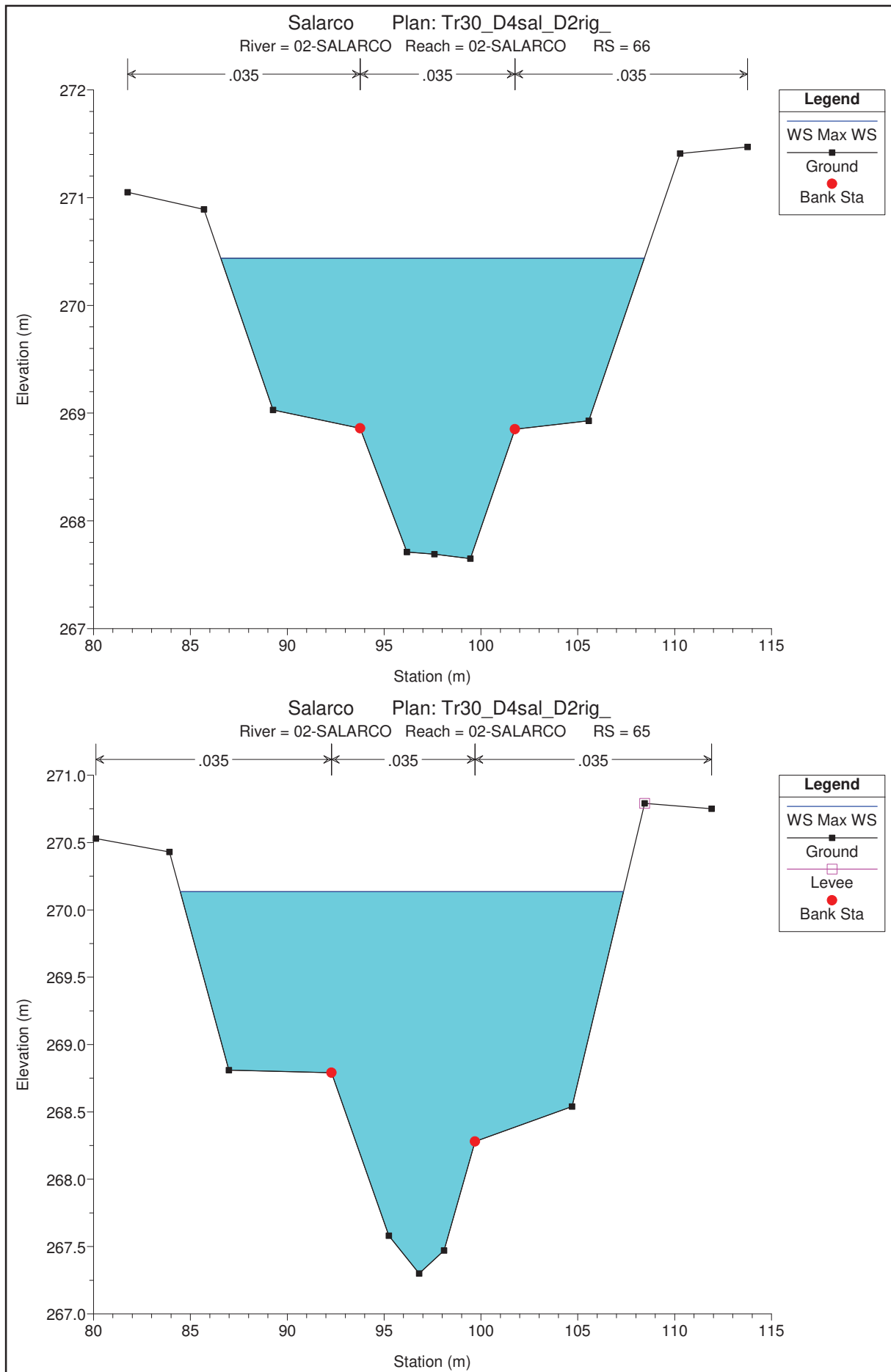
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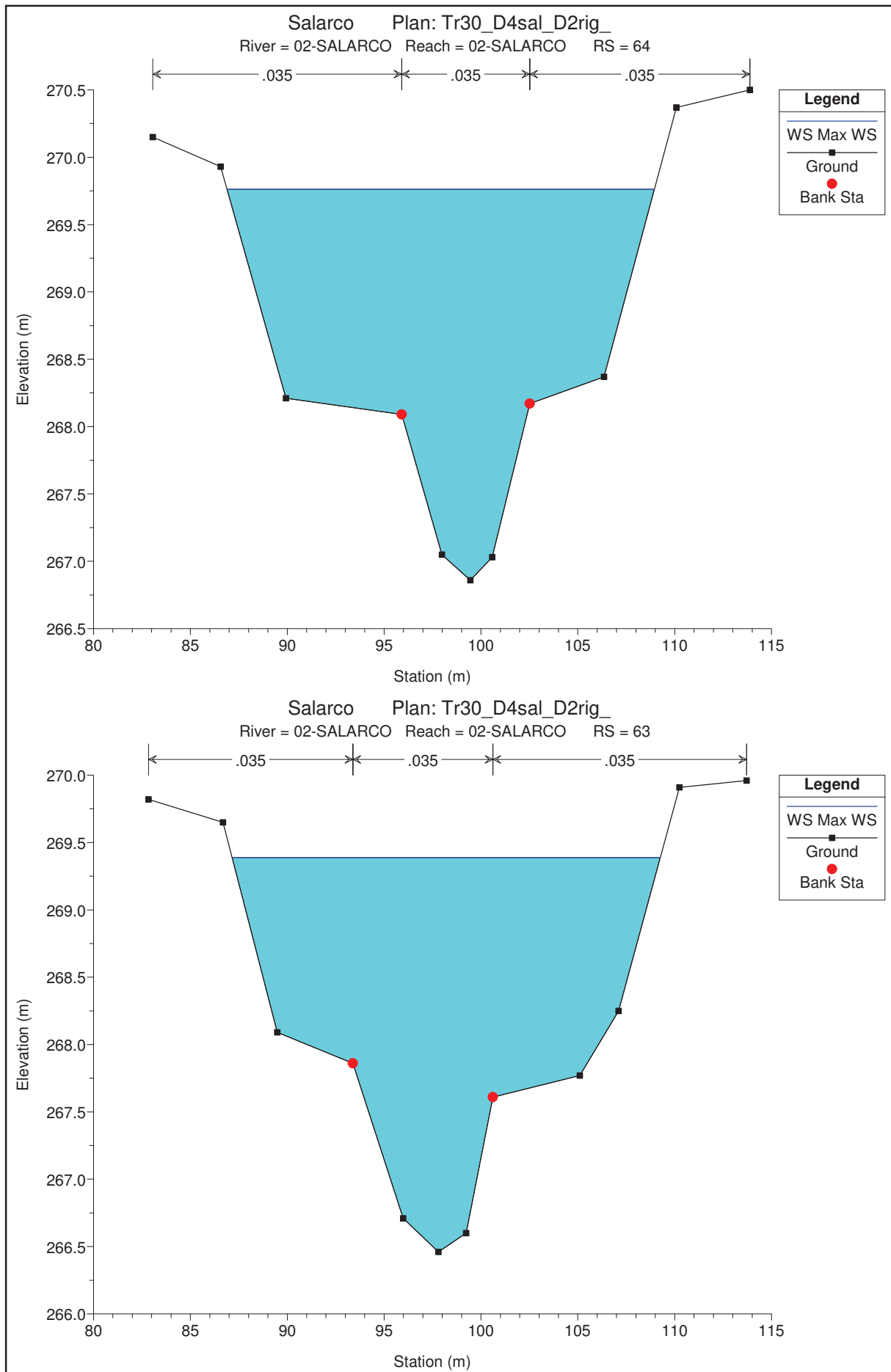
TORRENTE SALARCO

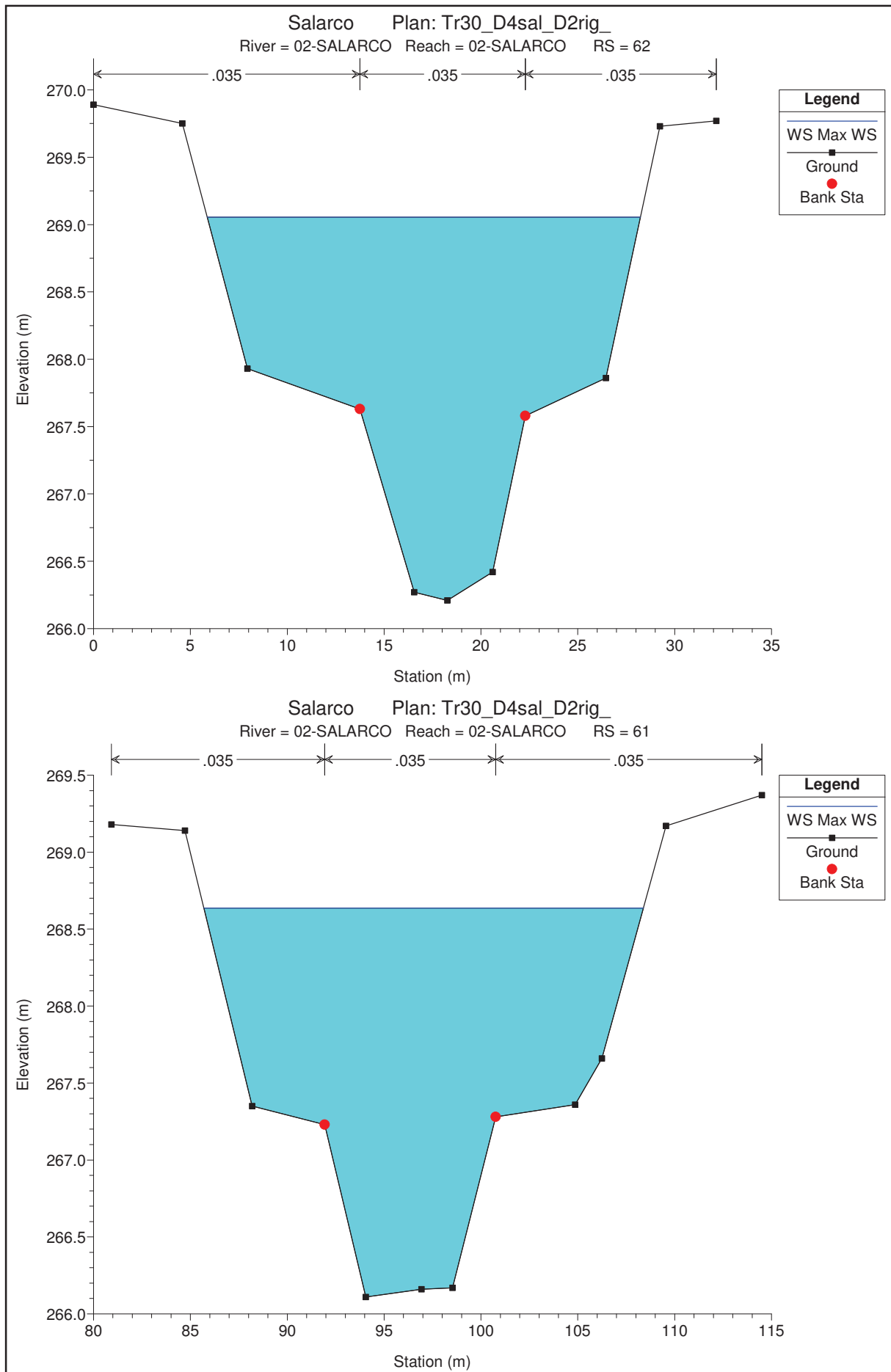
MODELLAZIONE PER TR=30 anni

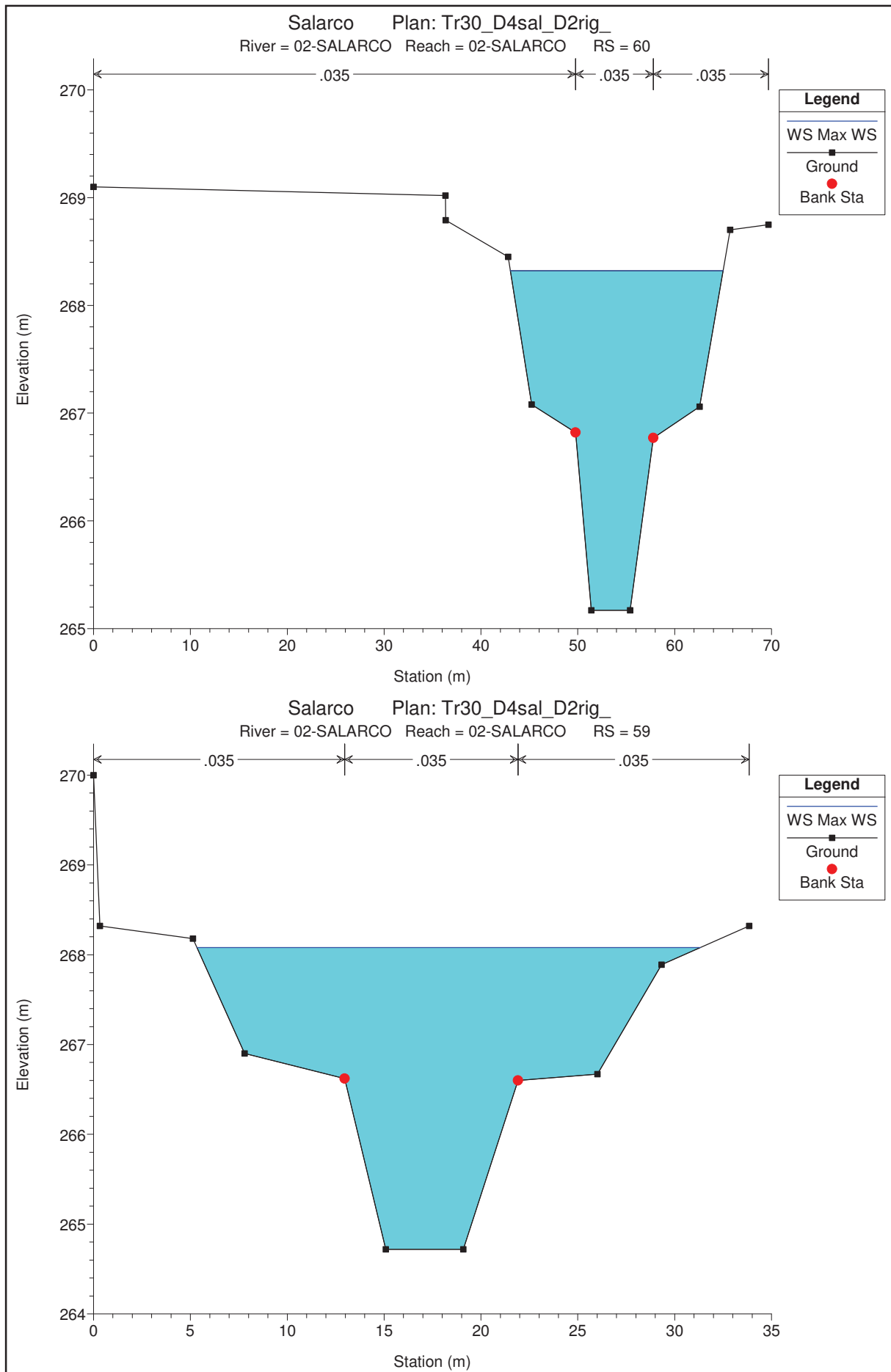
DURATE DI PIOGGIA: 4h

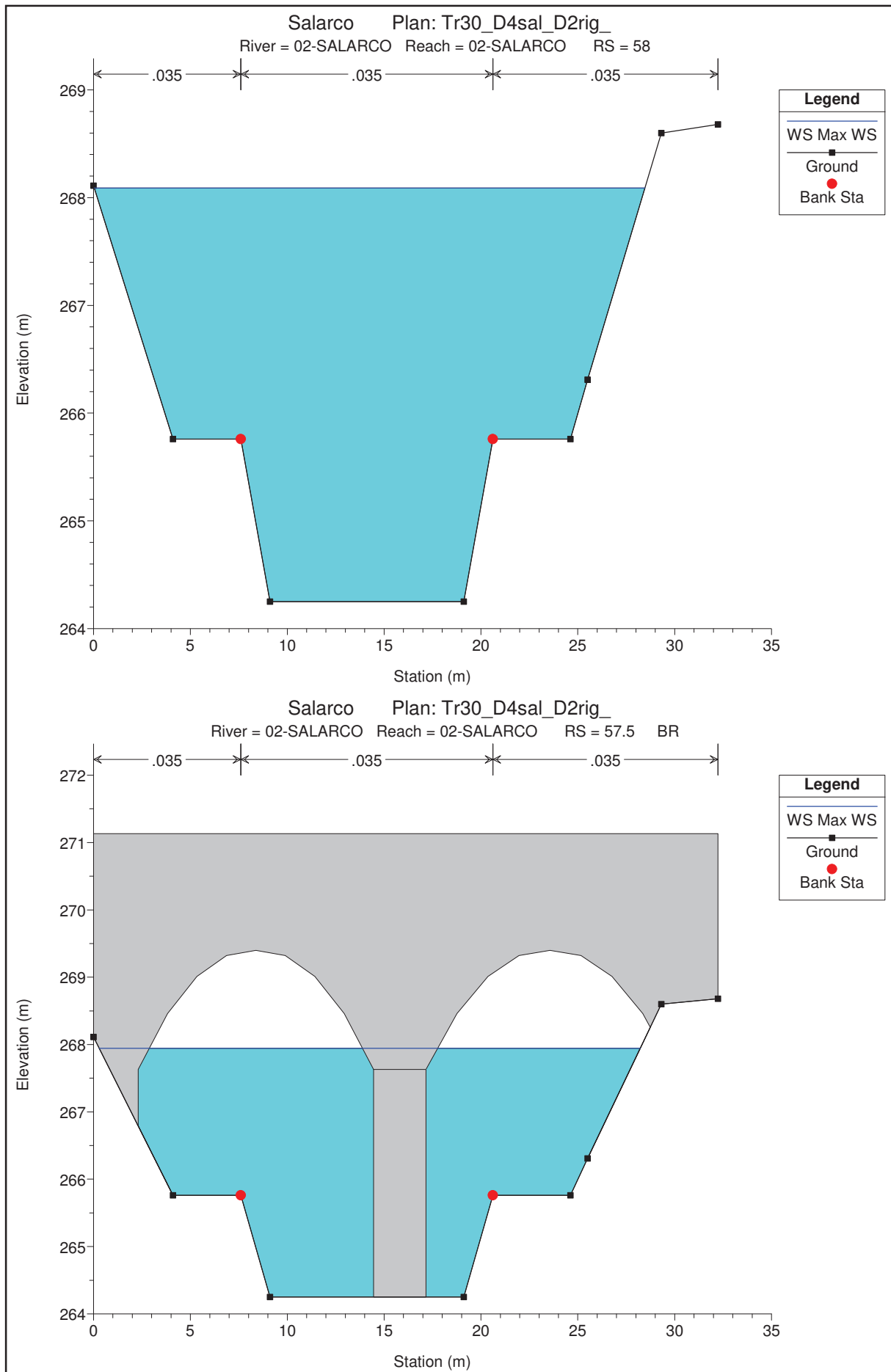
Sezioni Trasversali (da monte verso valle)

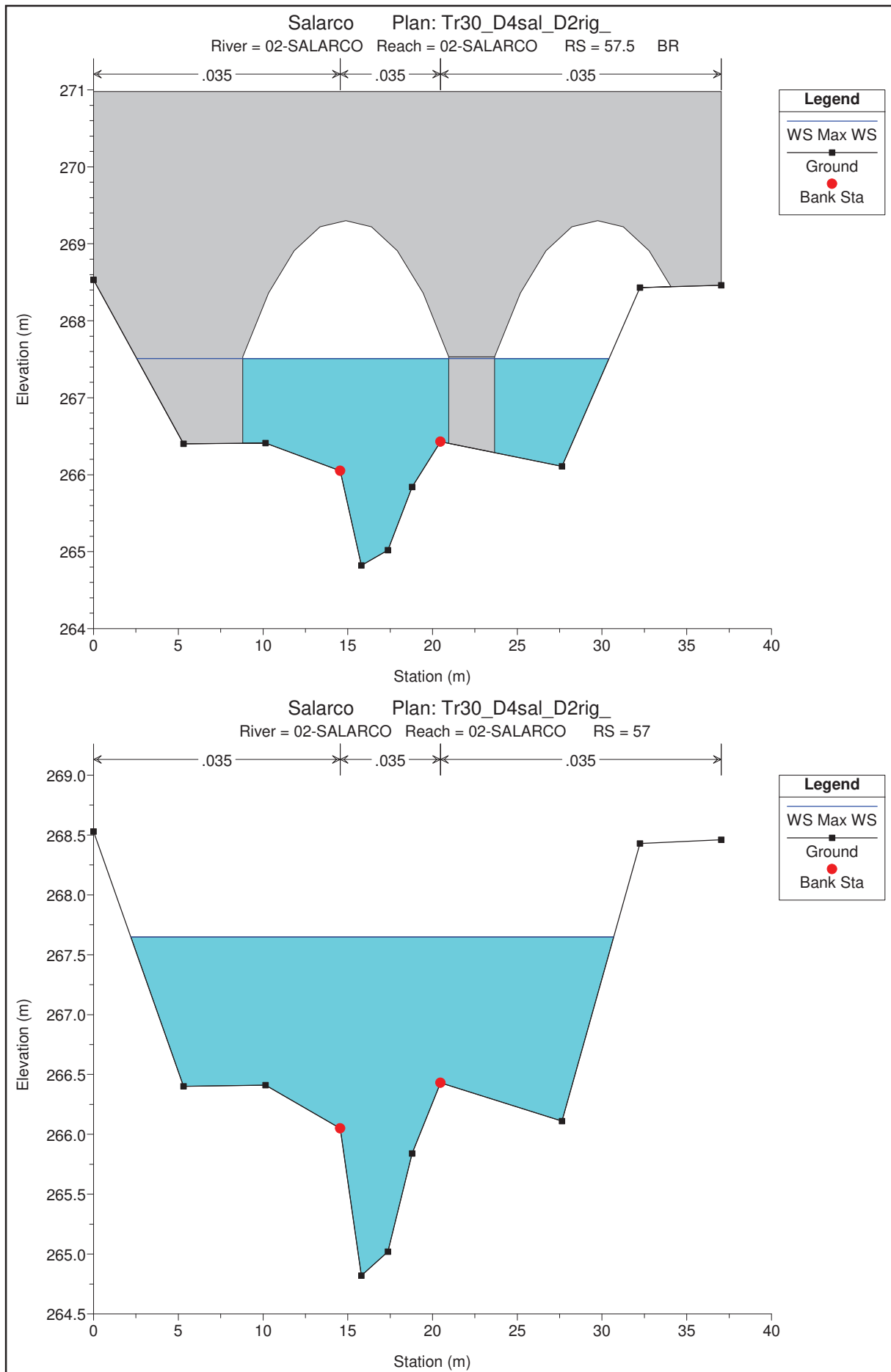


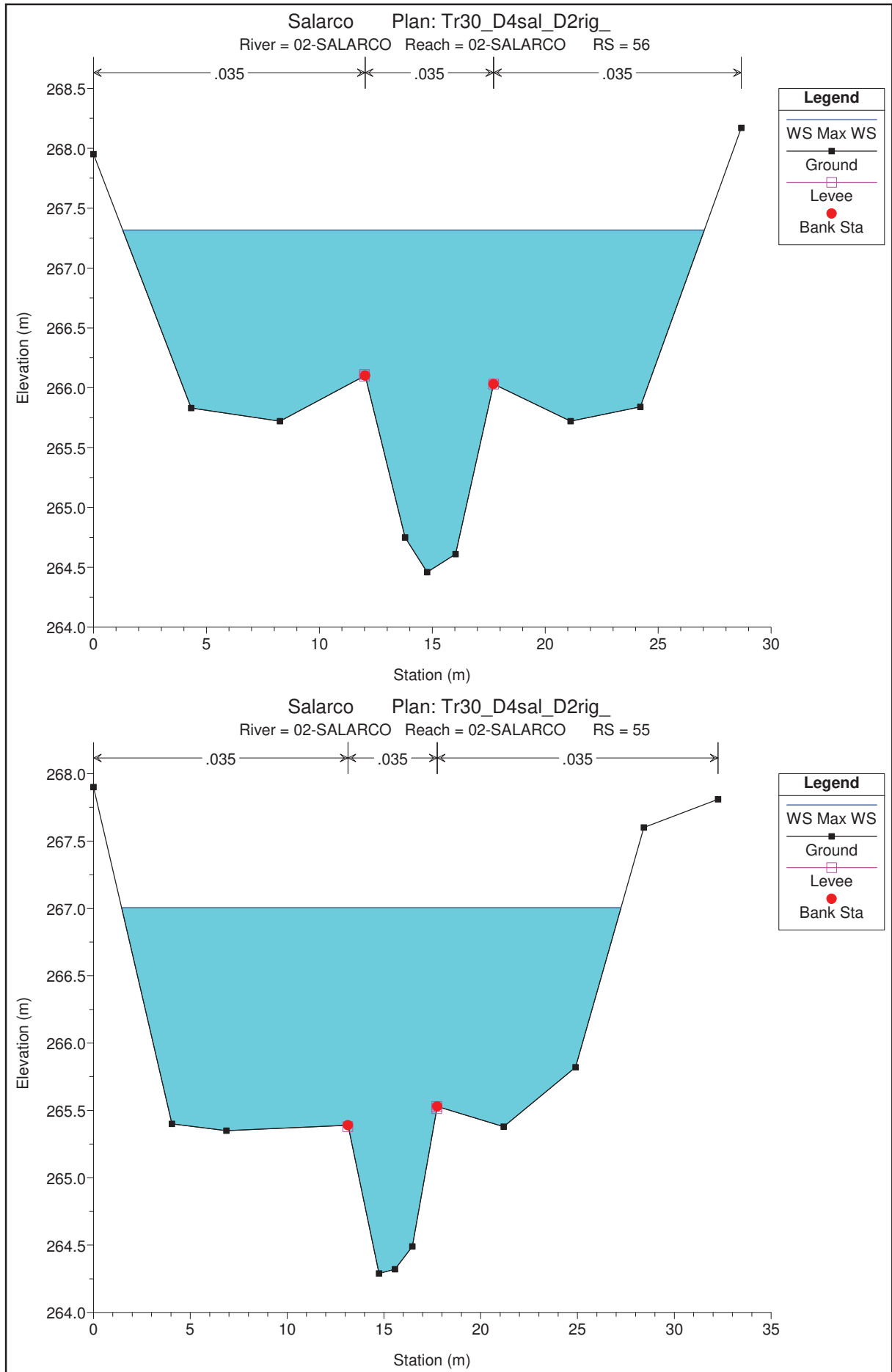


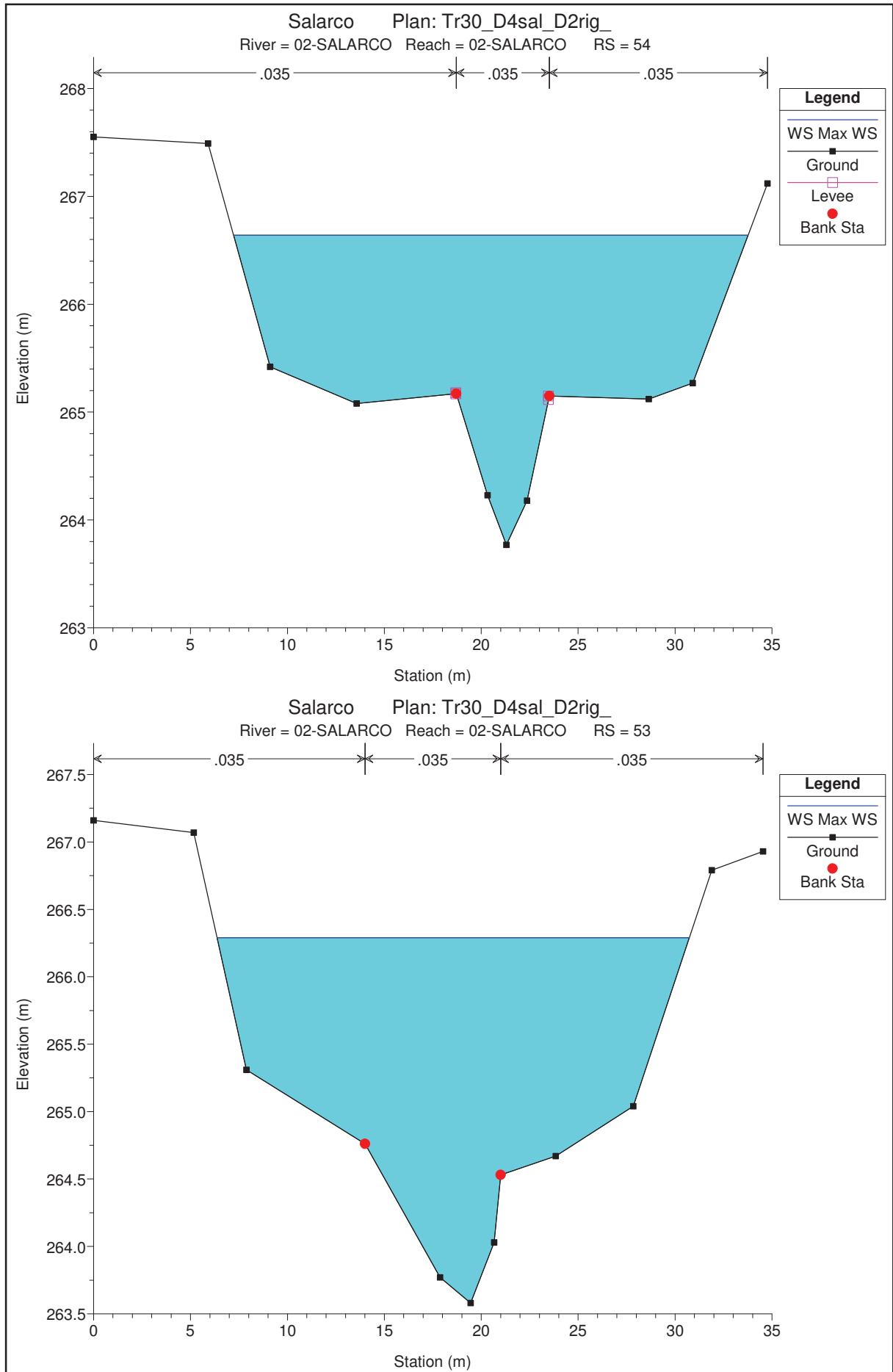


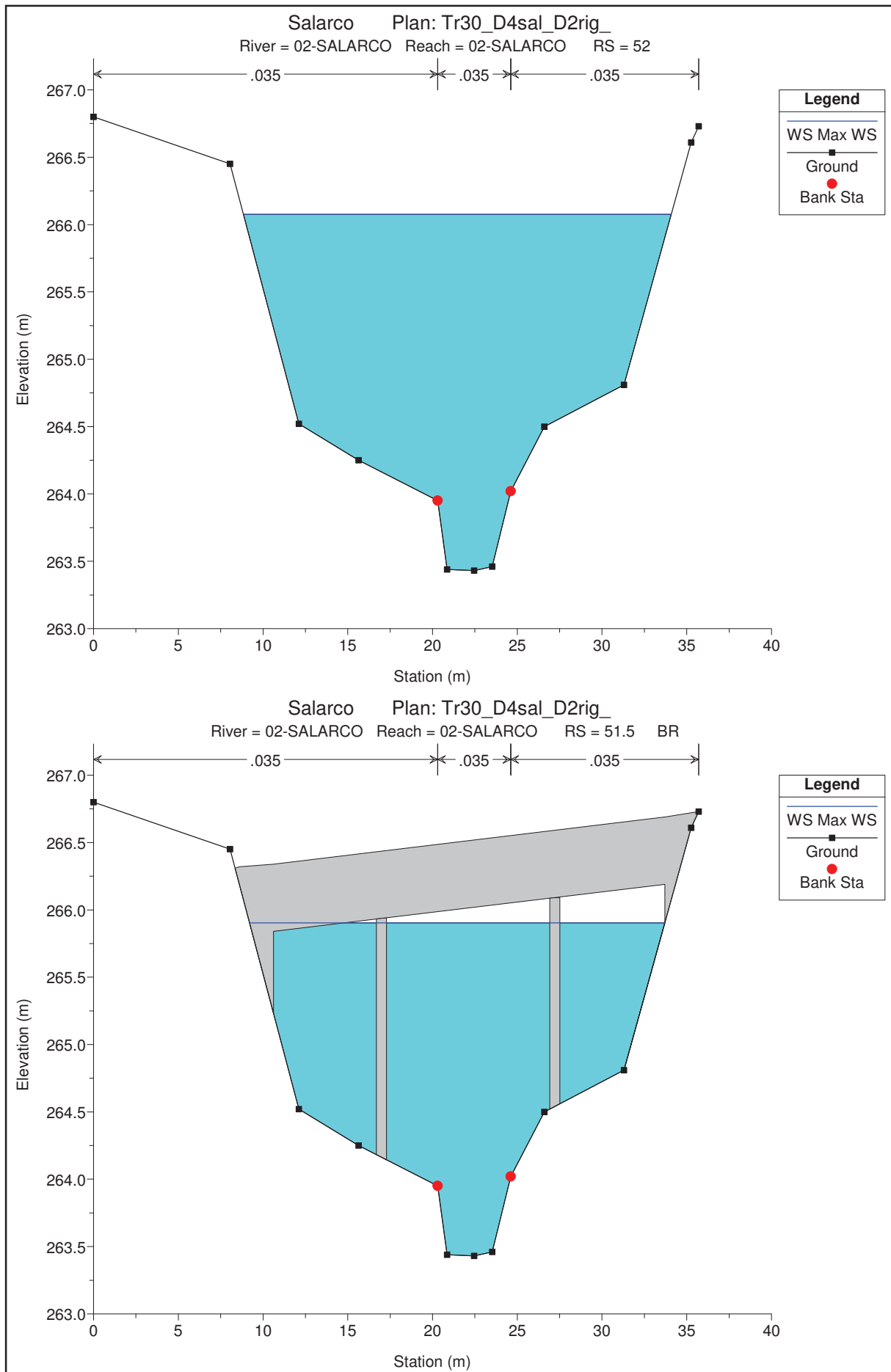


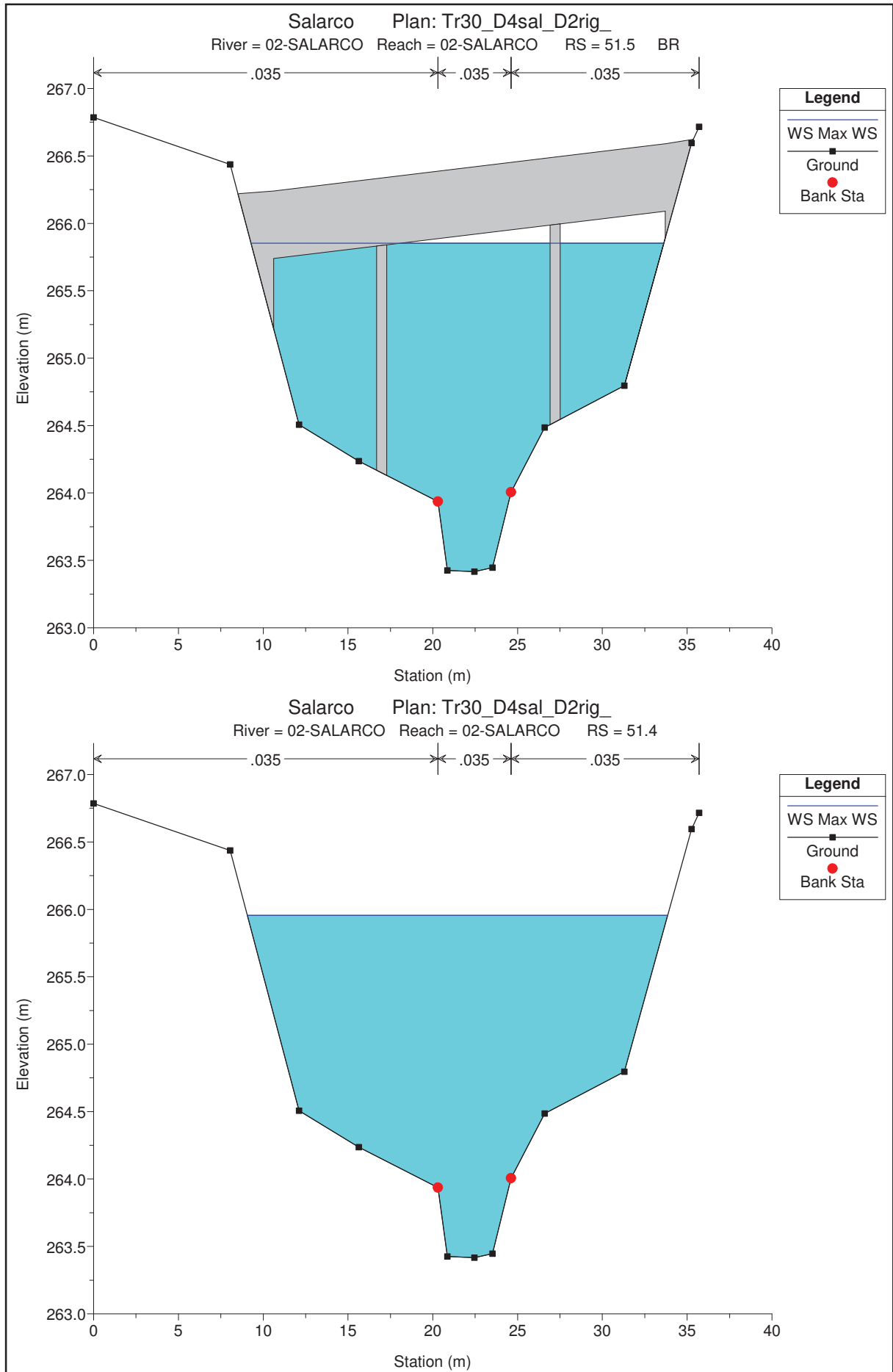


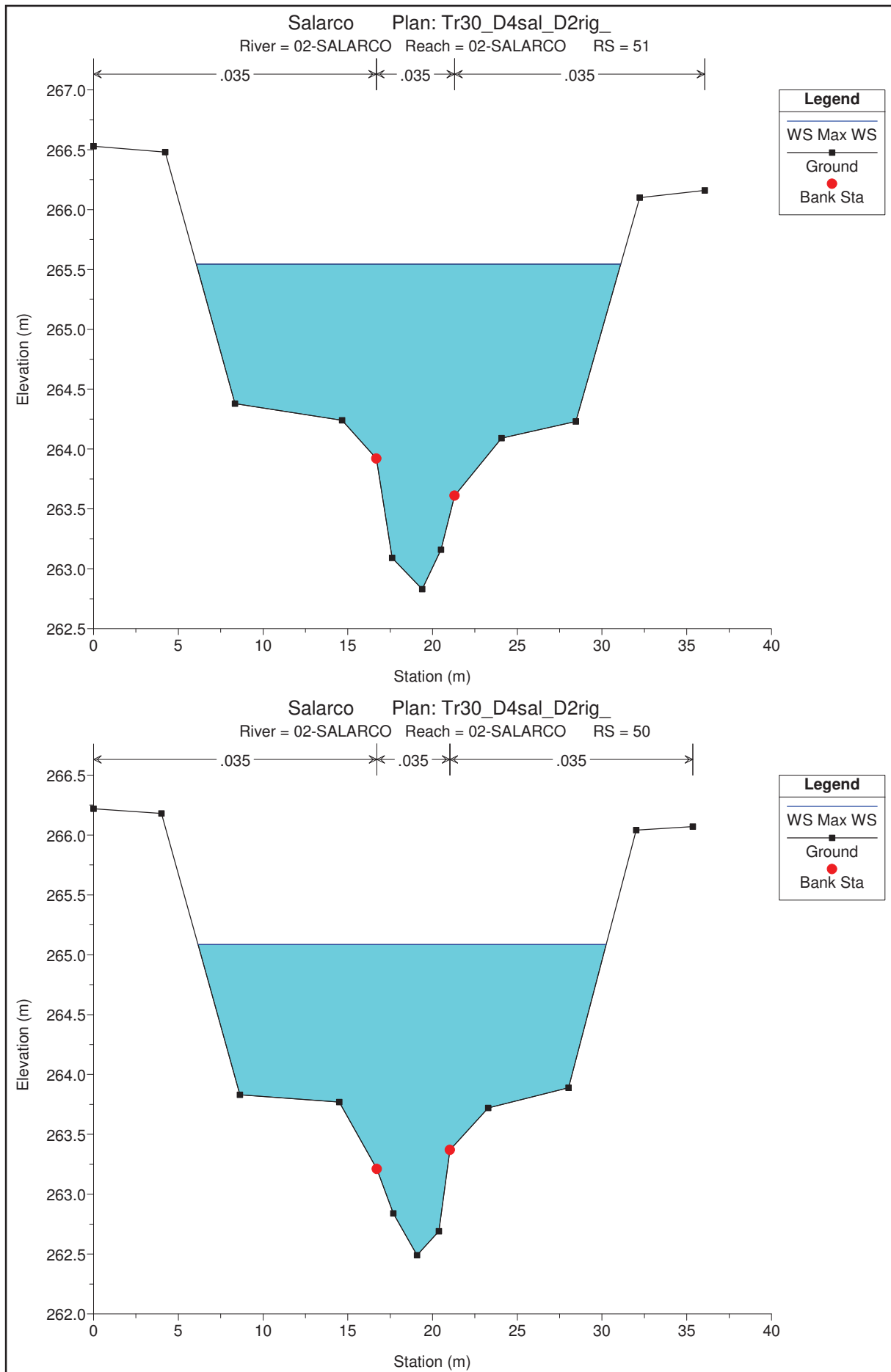


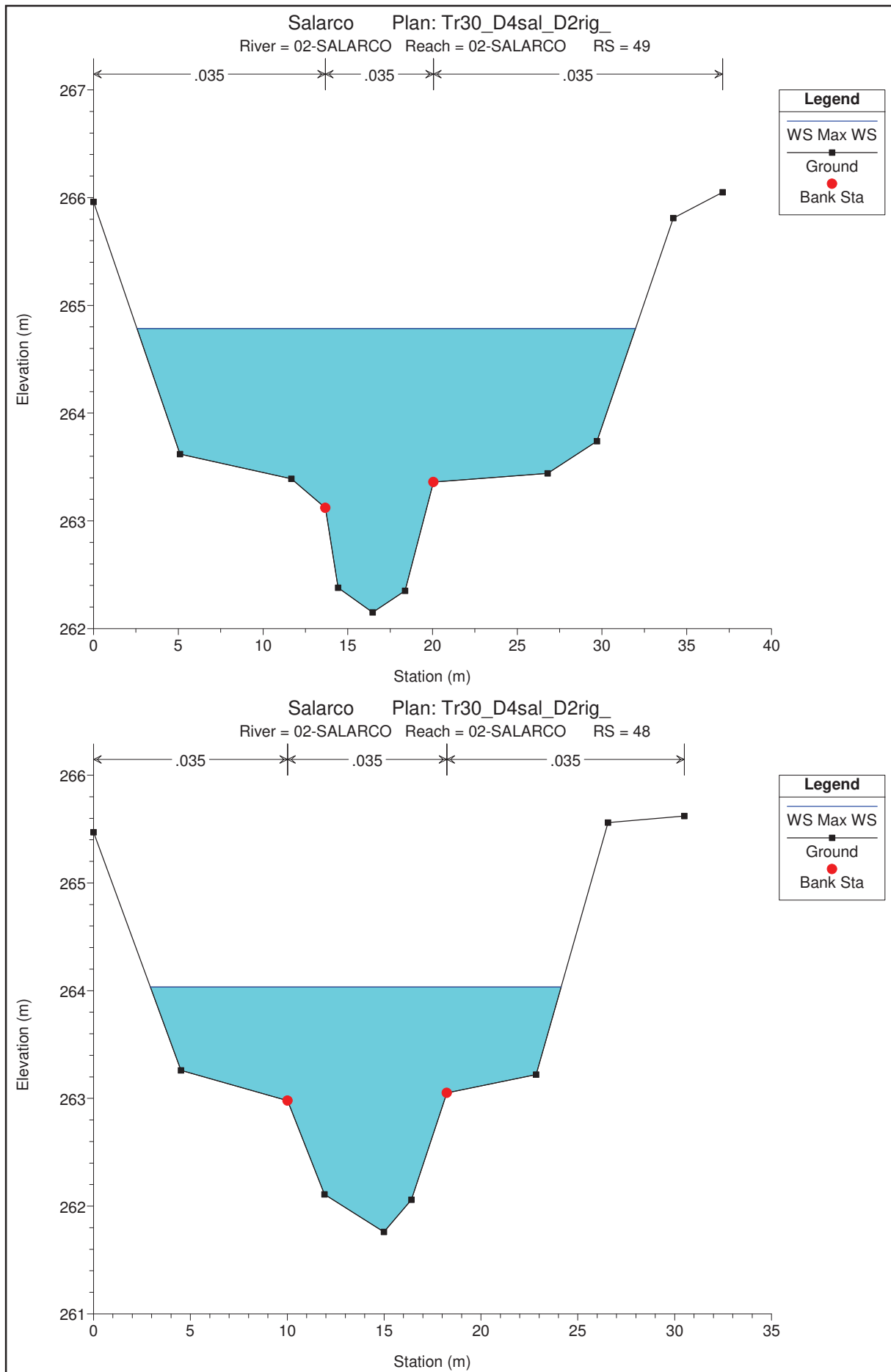


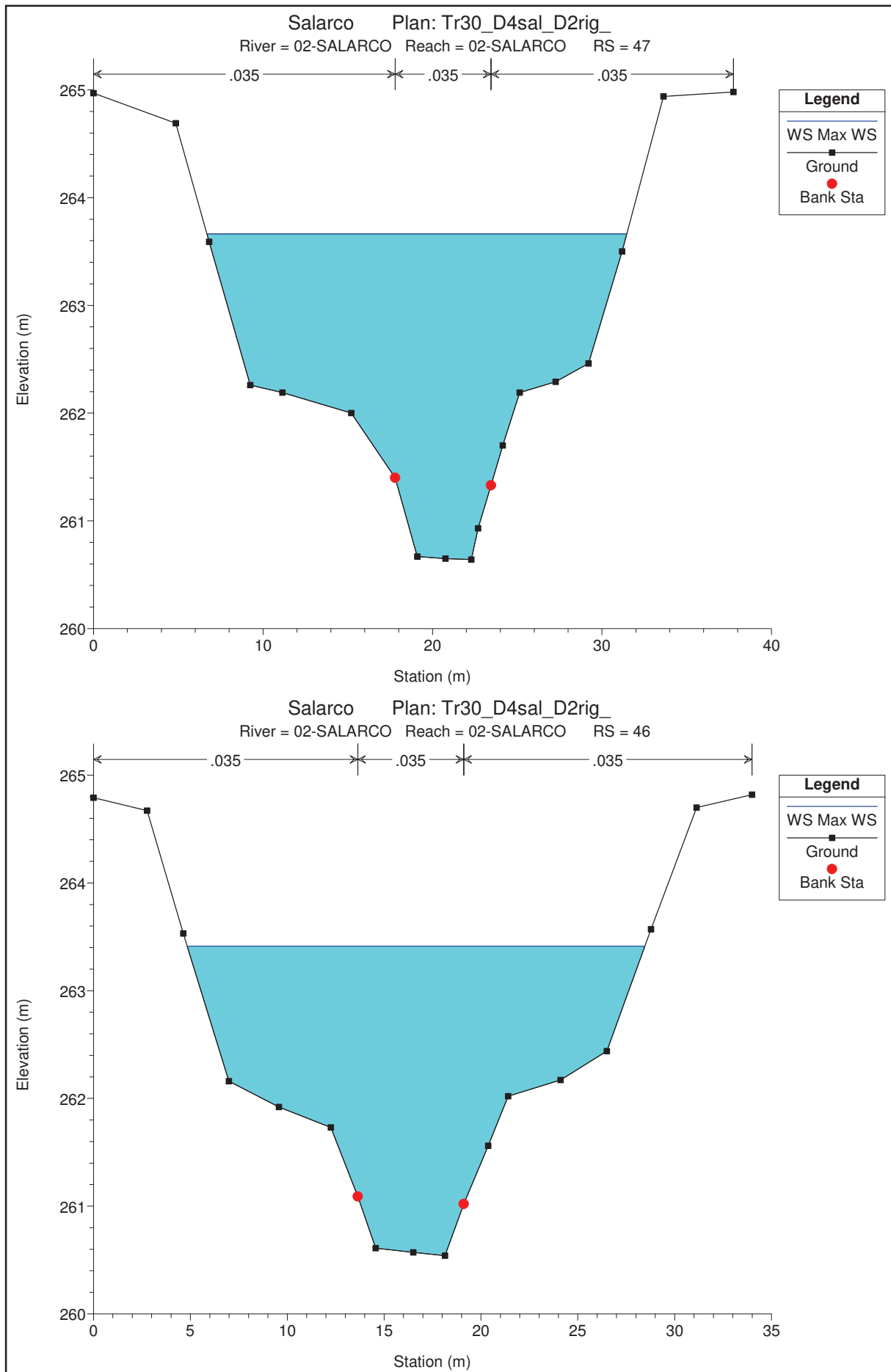


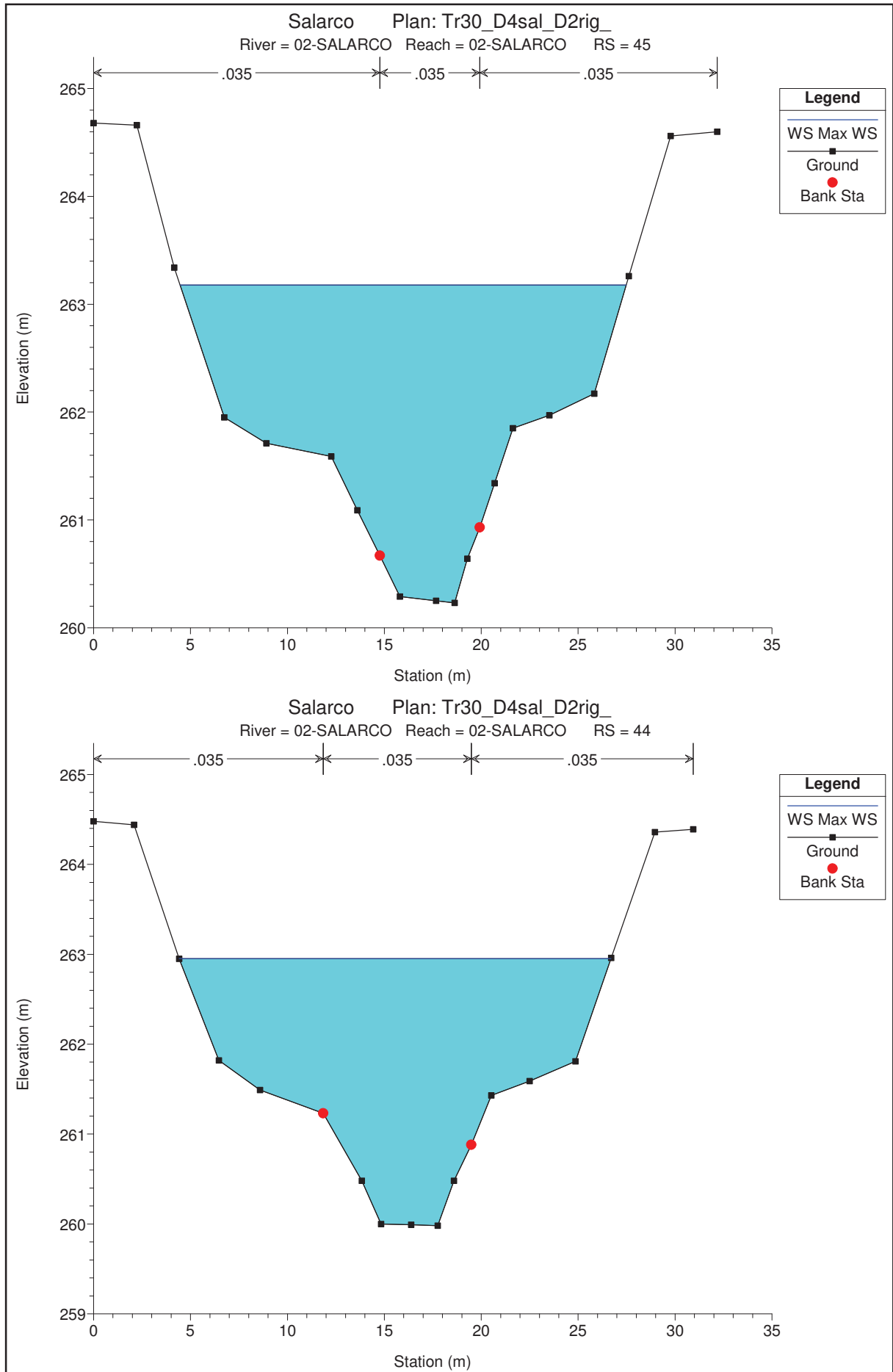


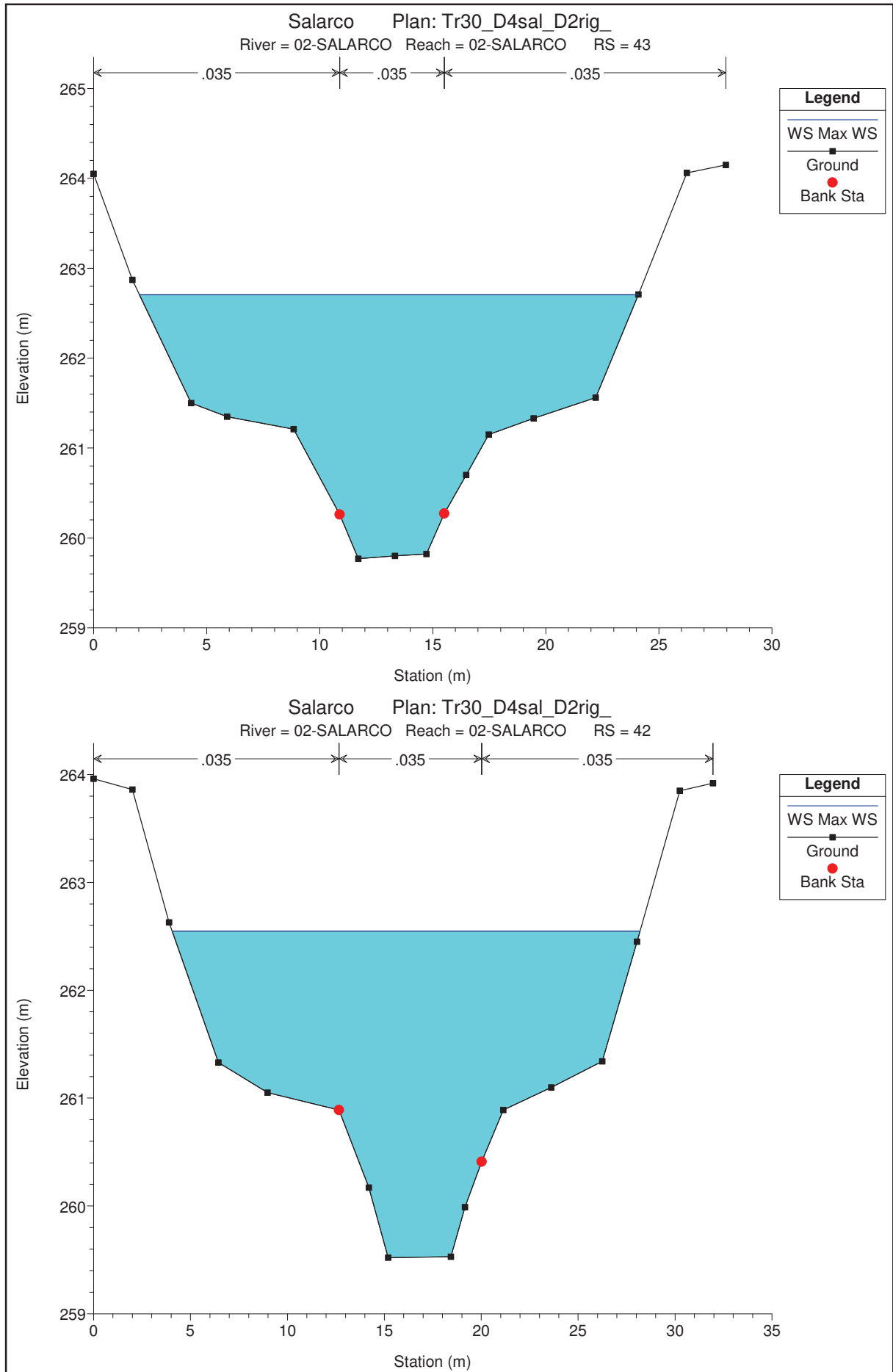


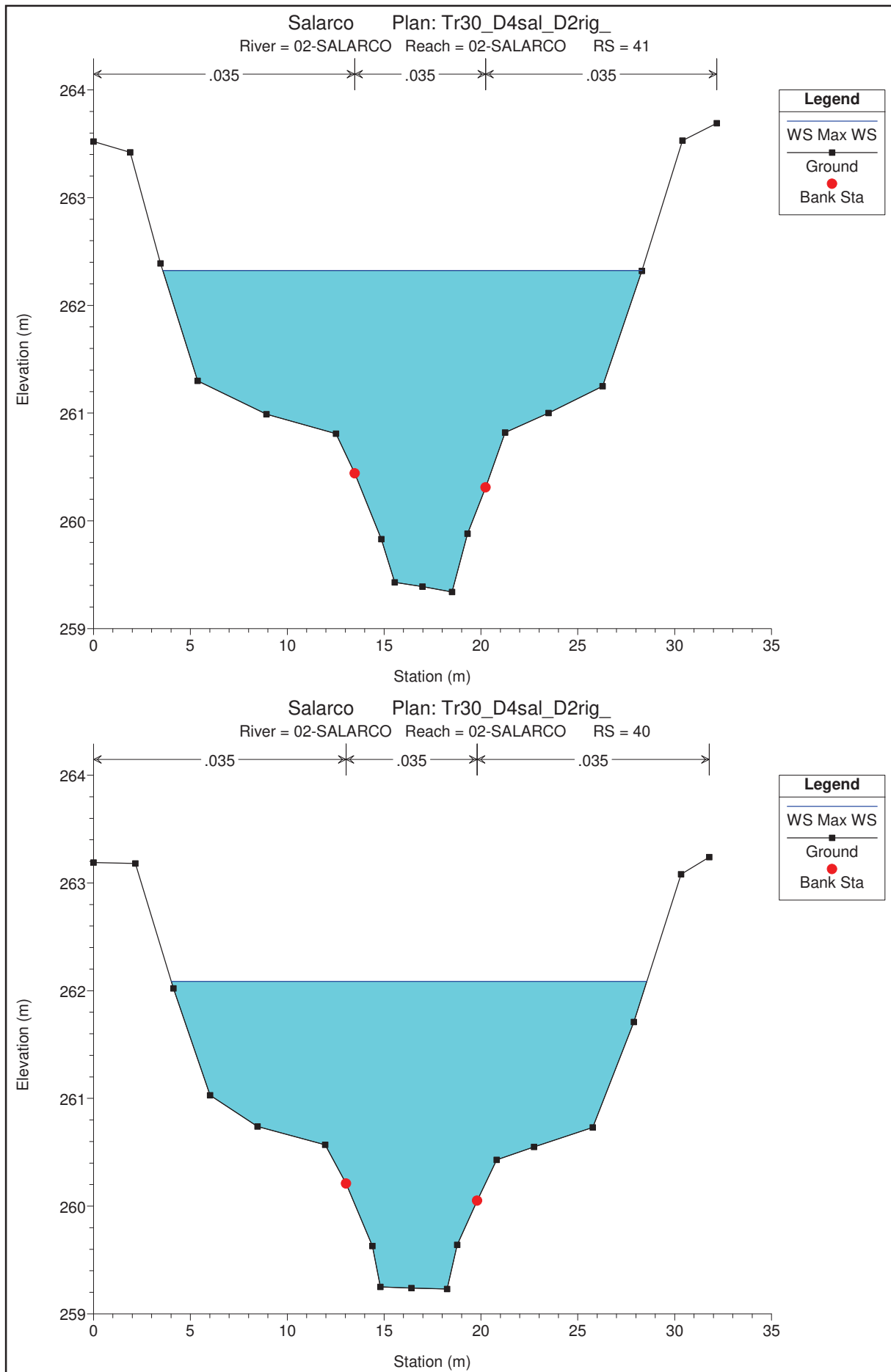


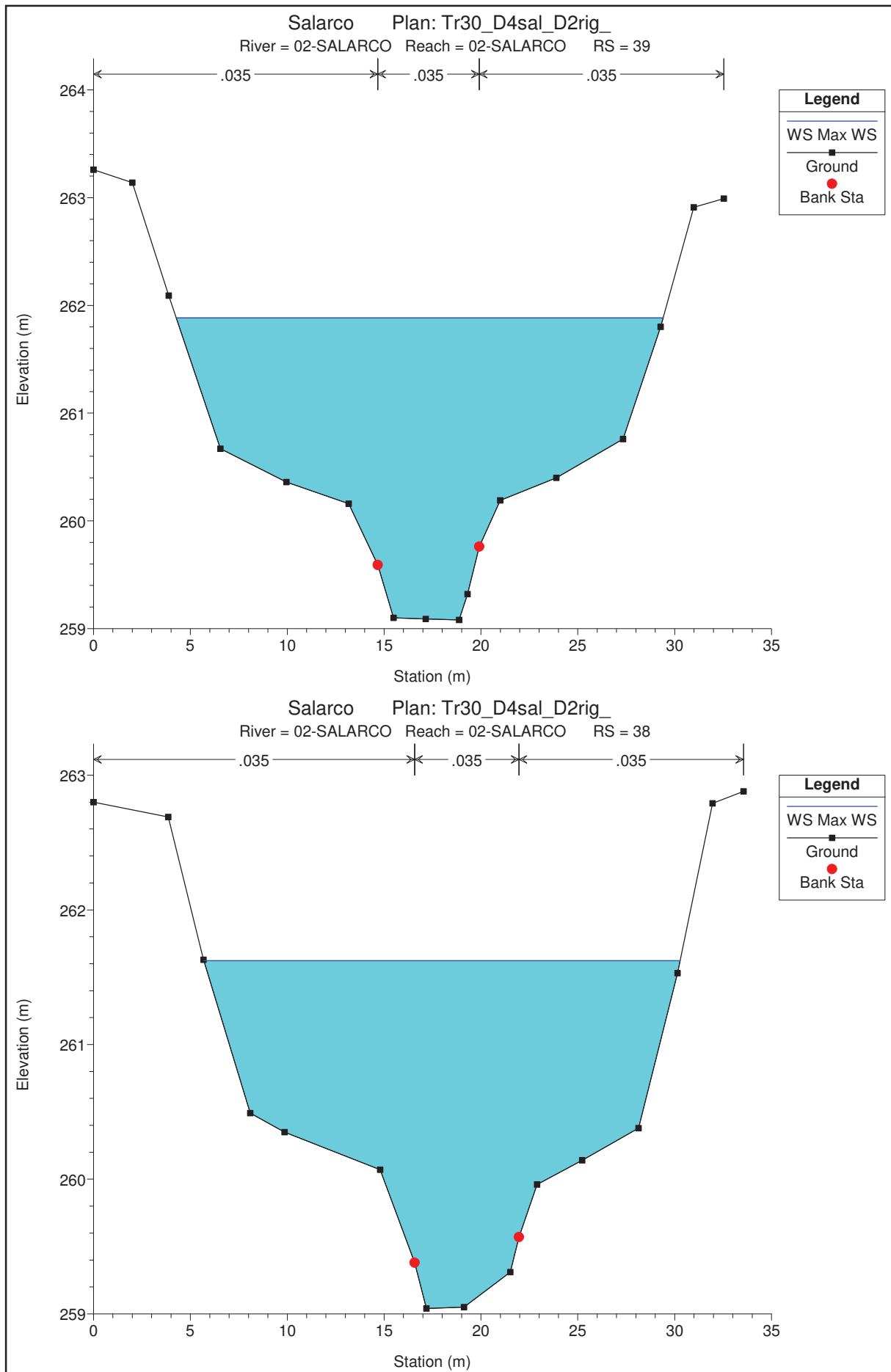


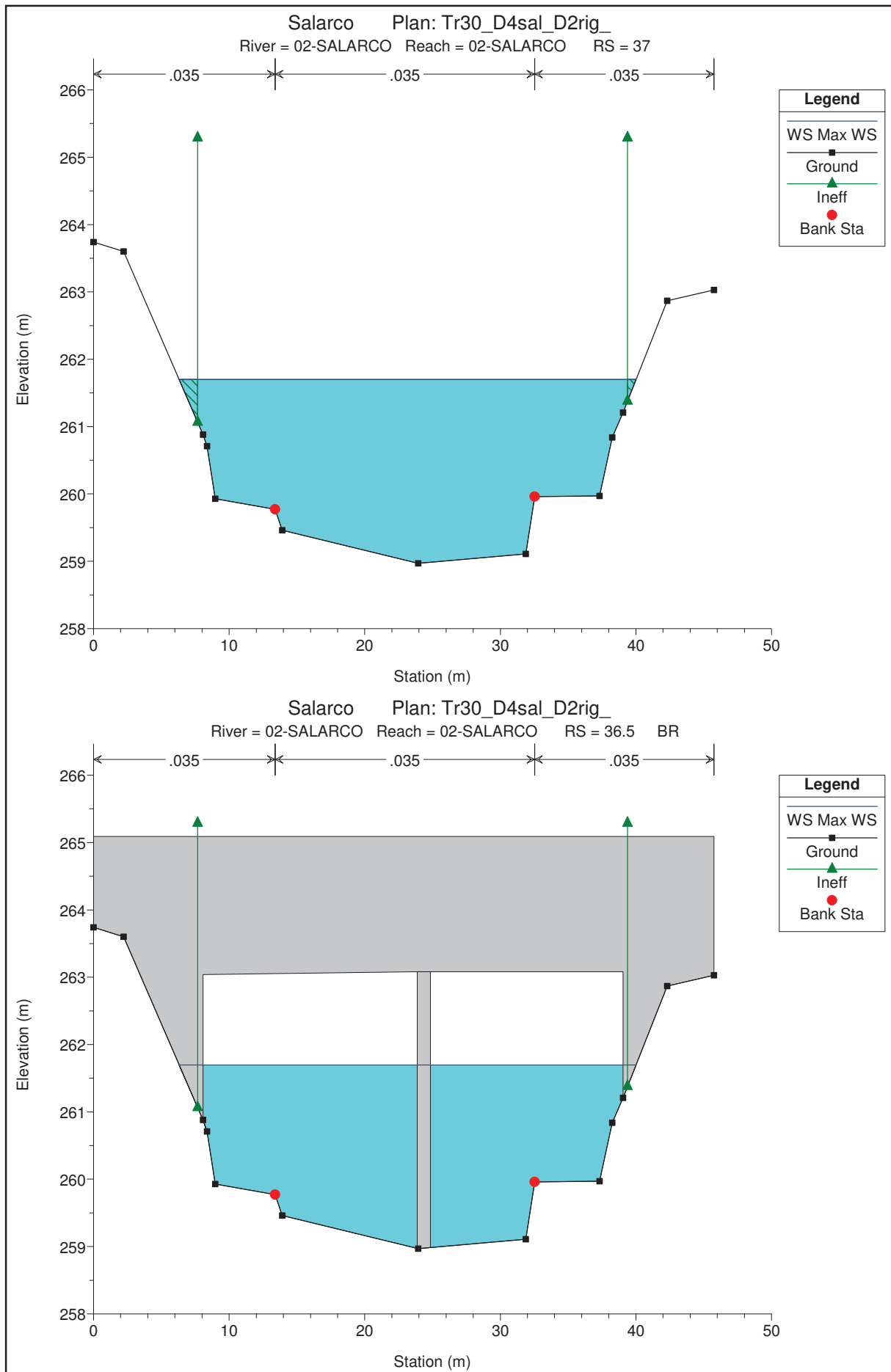


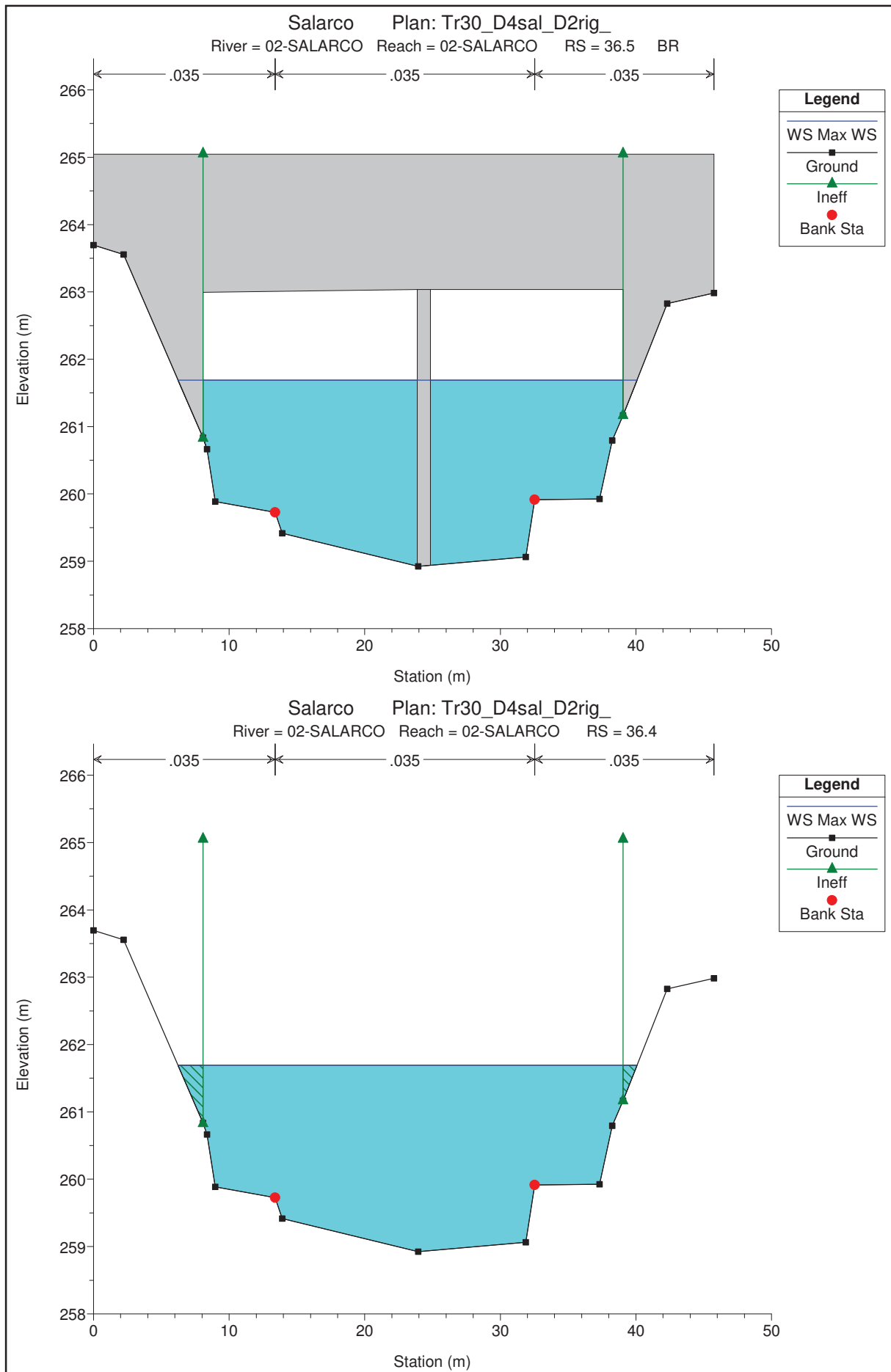


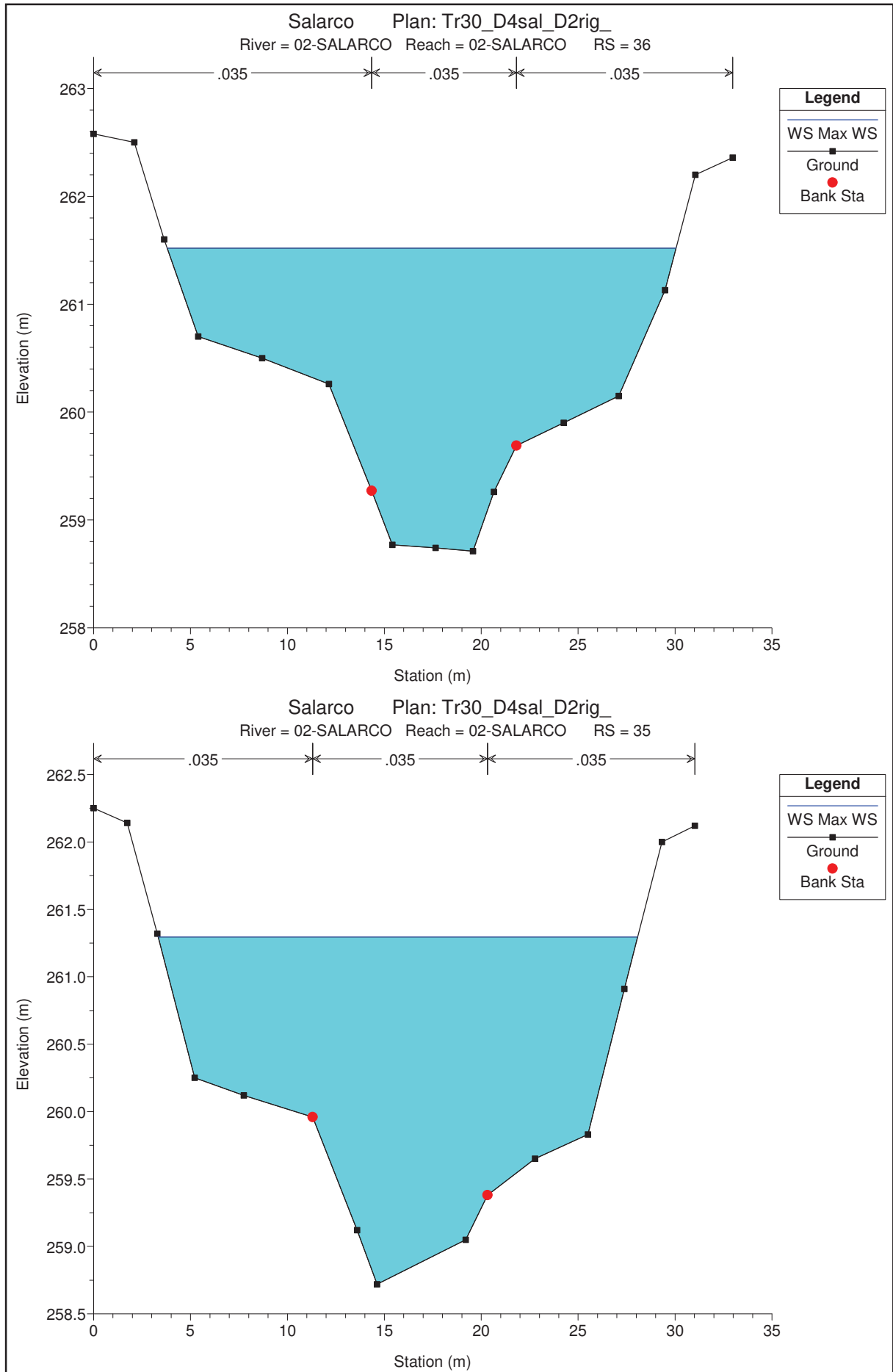


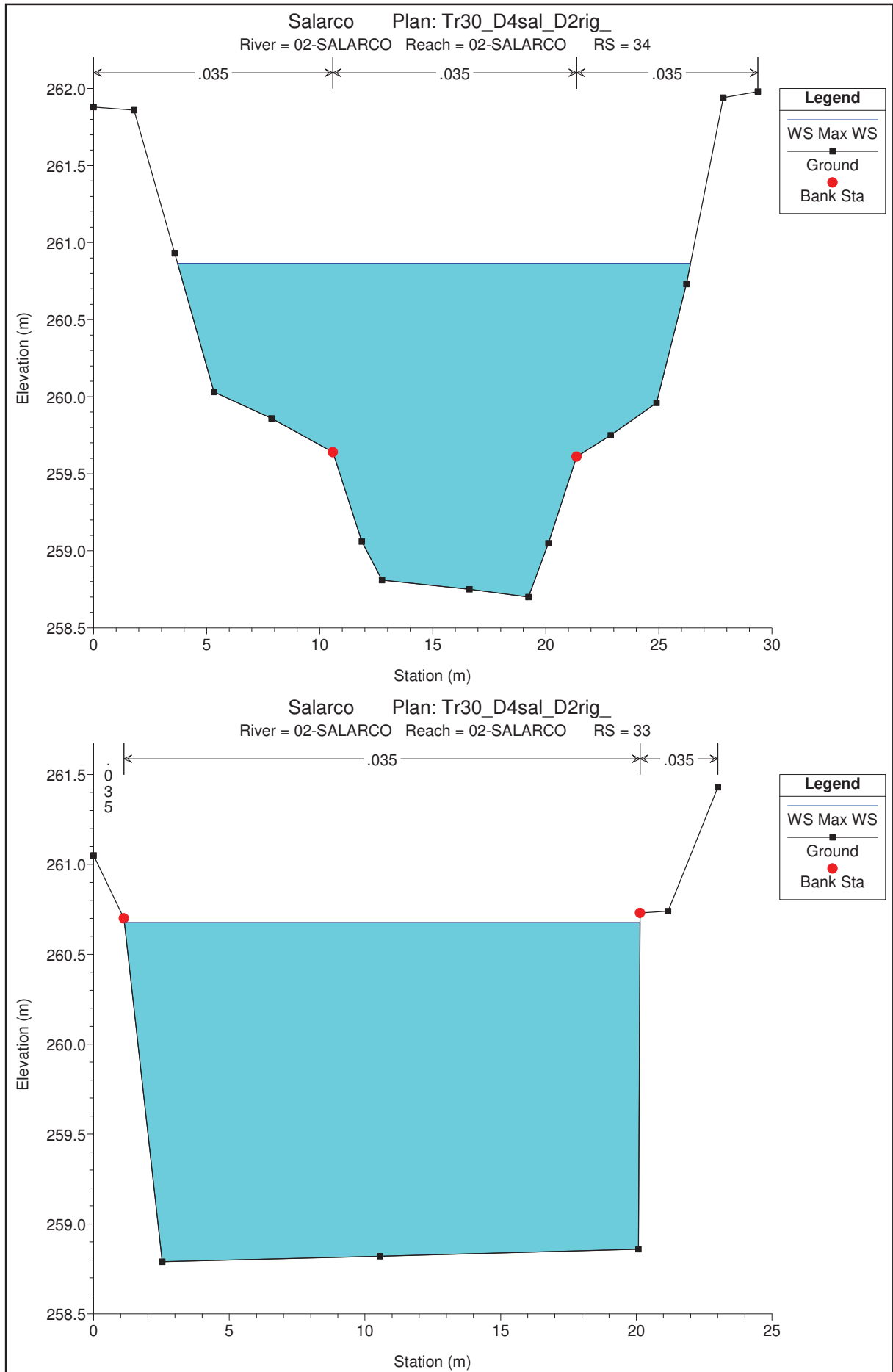


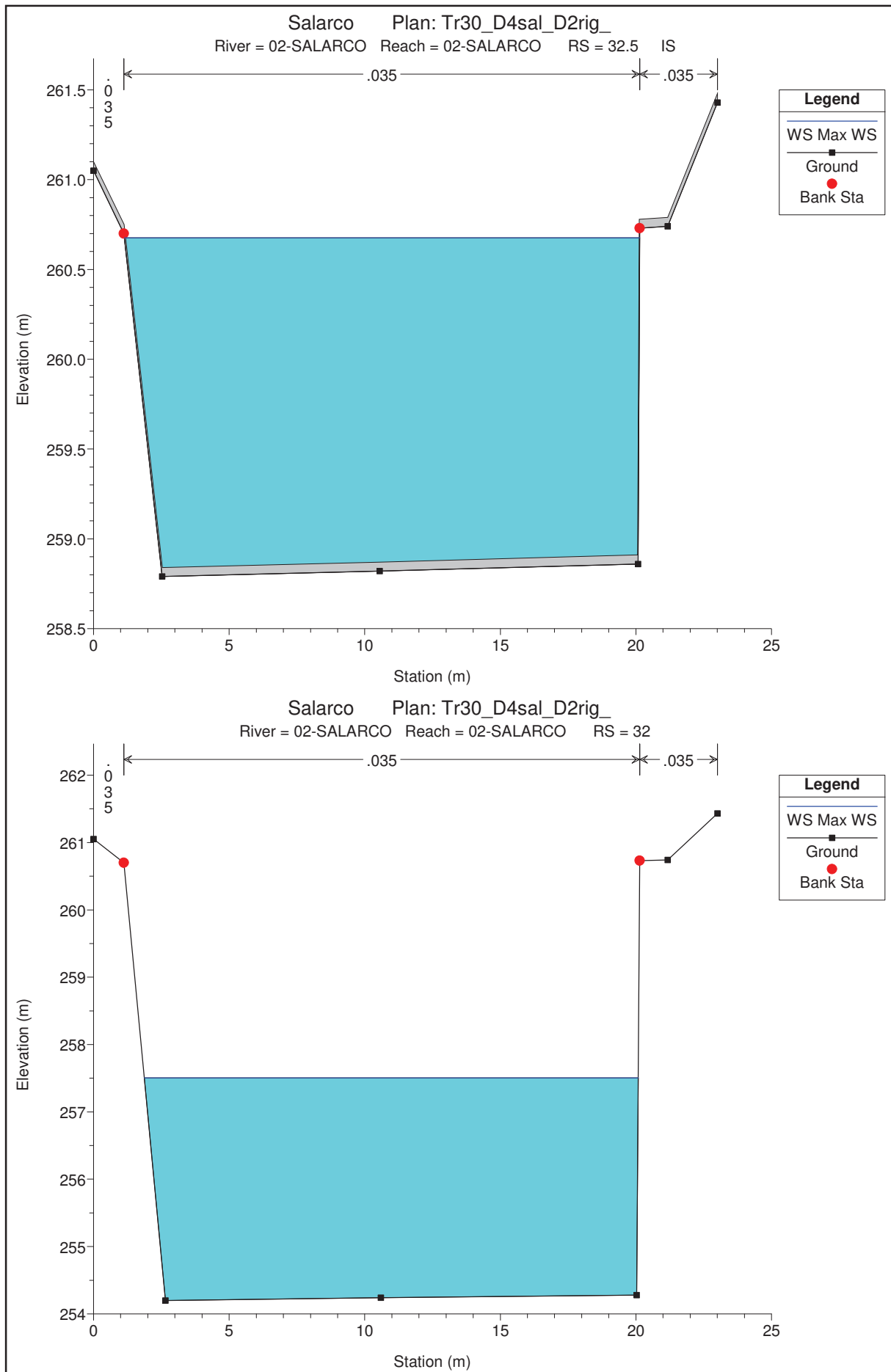


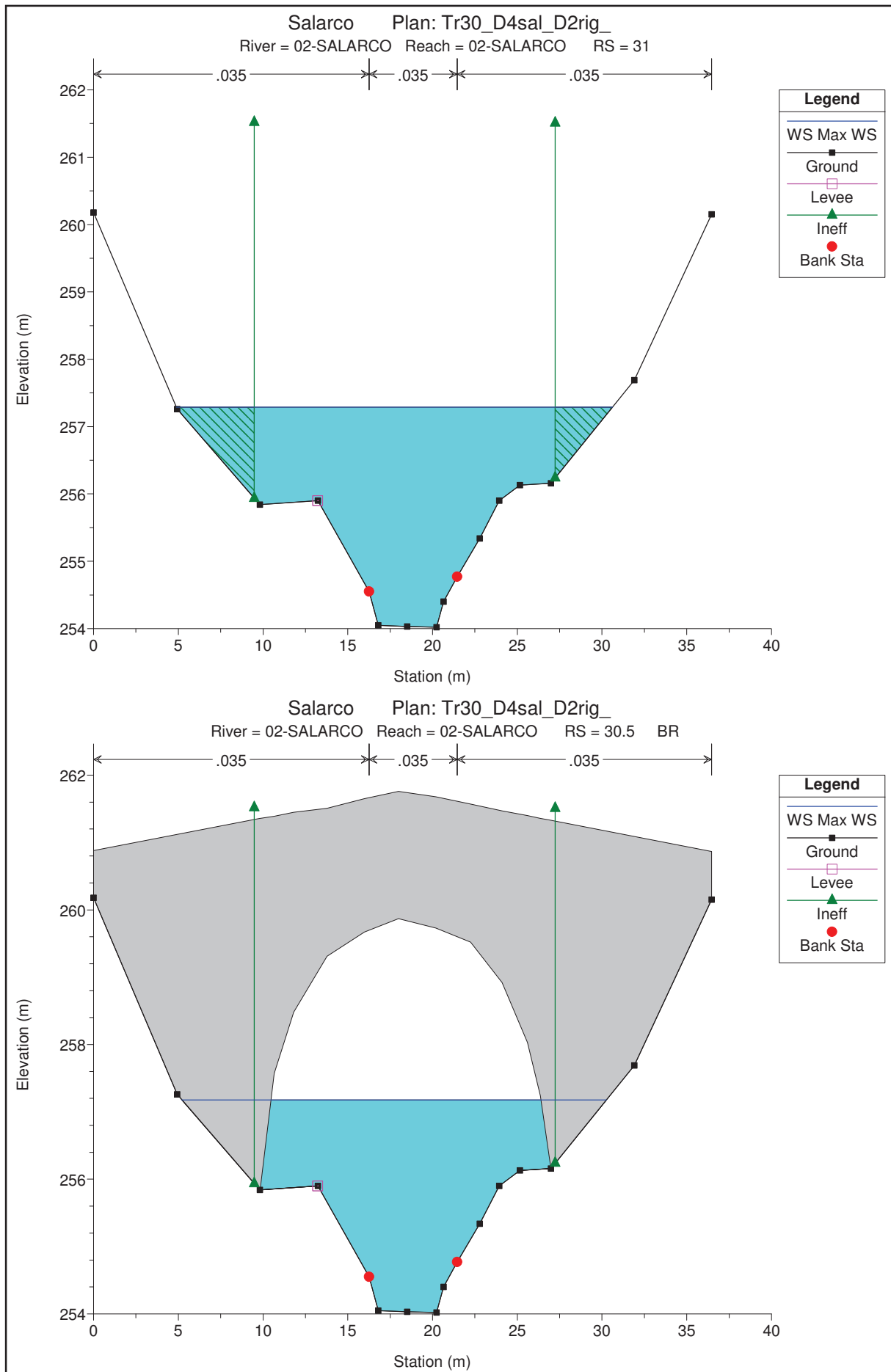


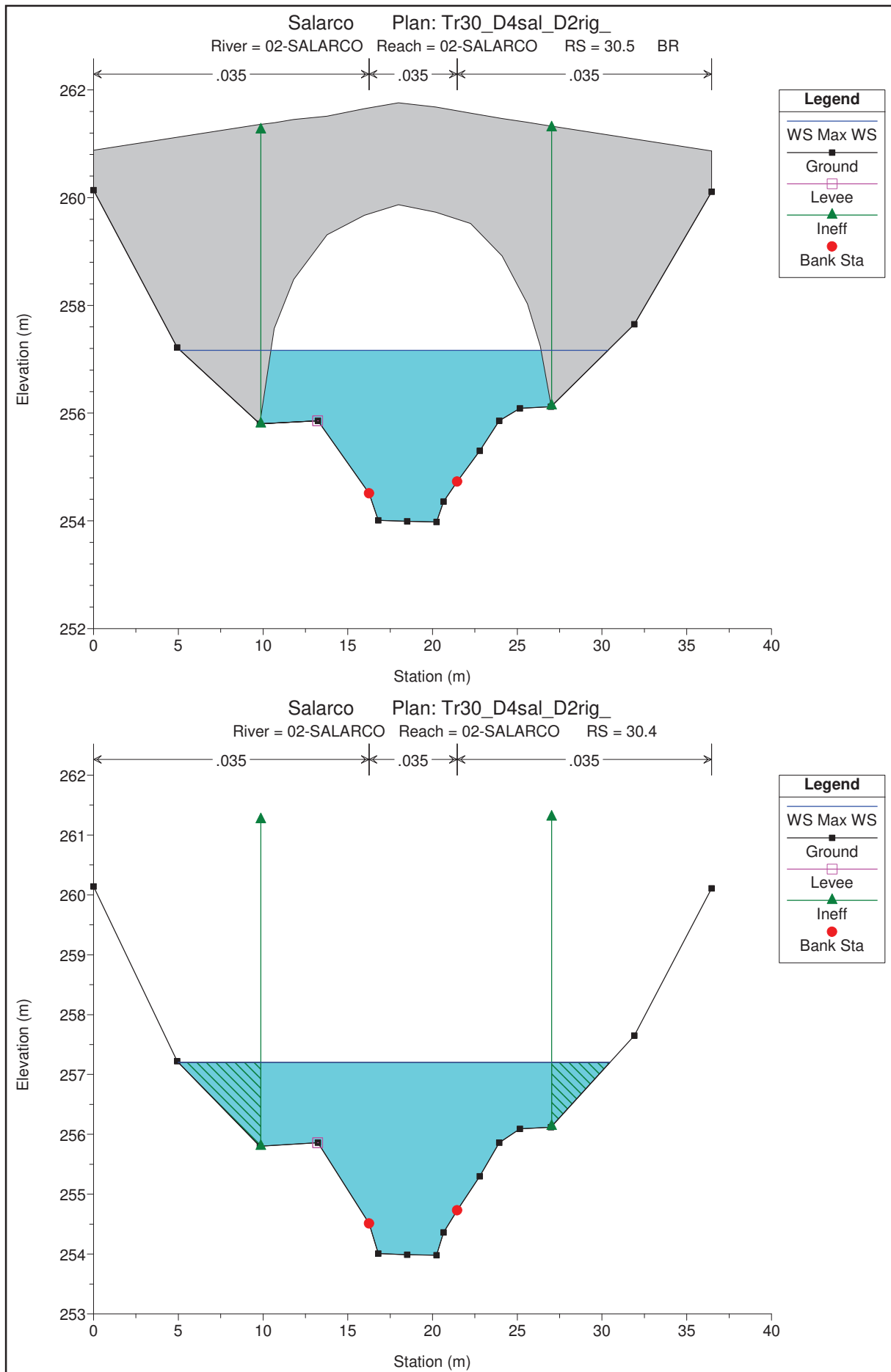


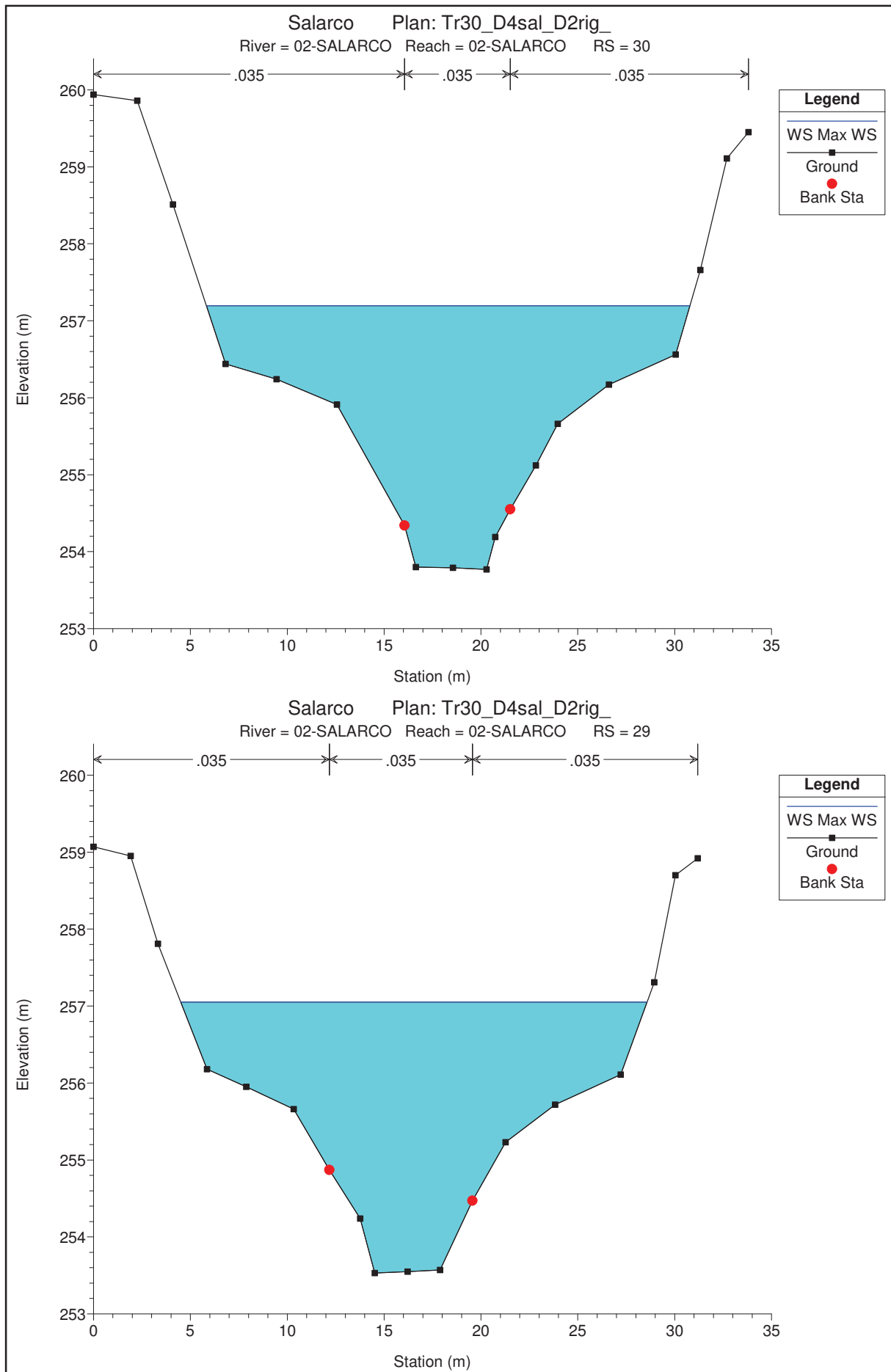


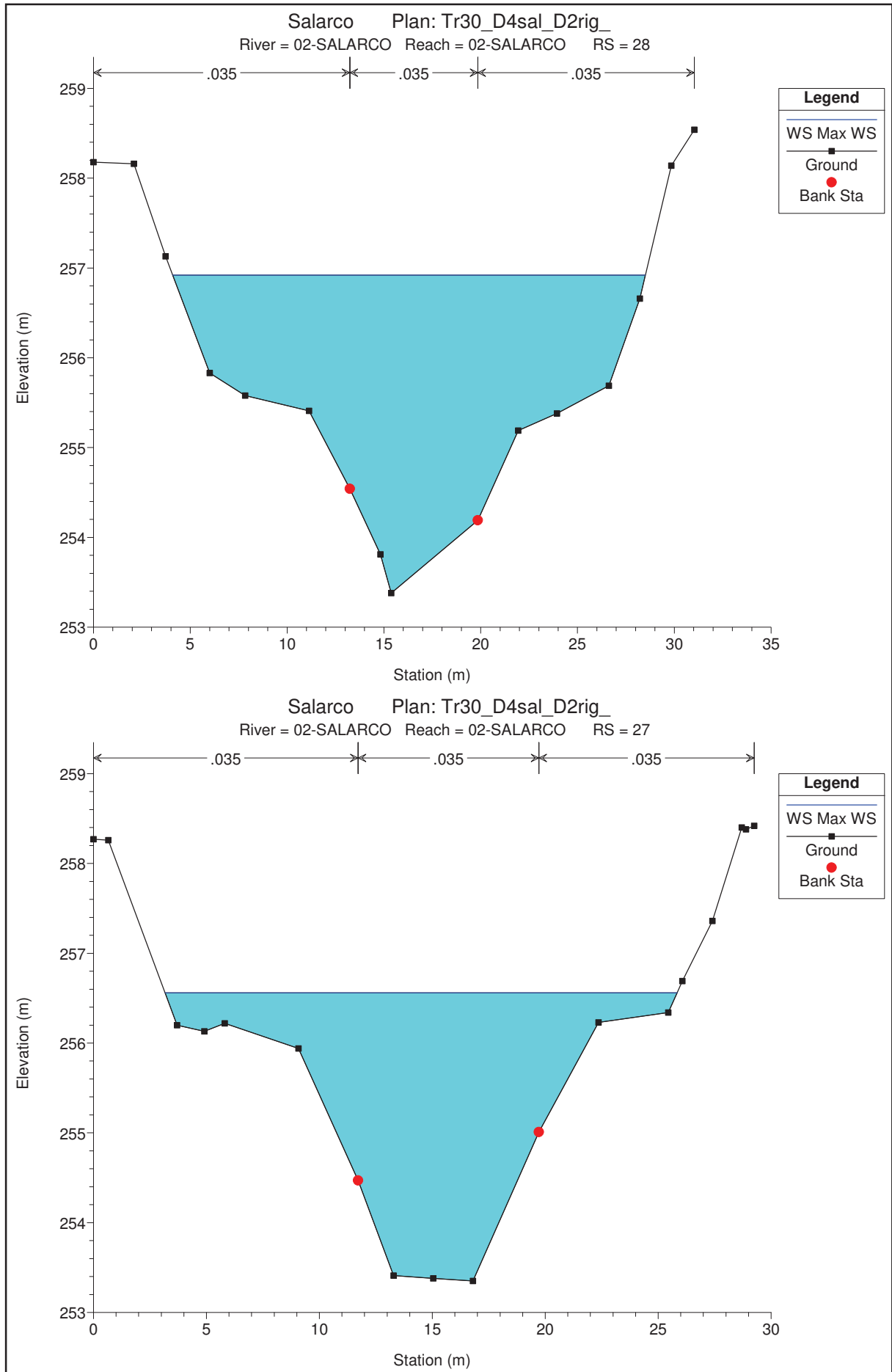


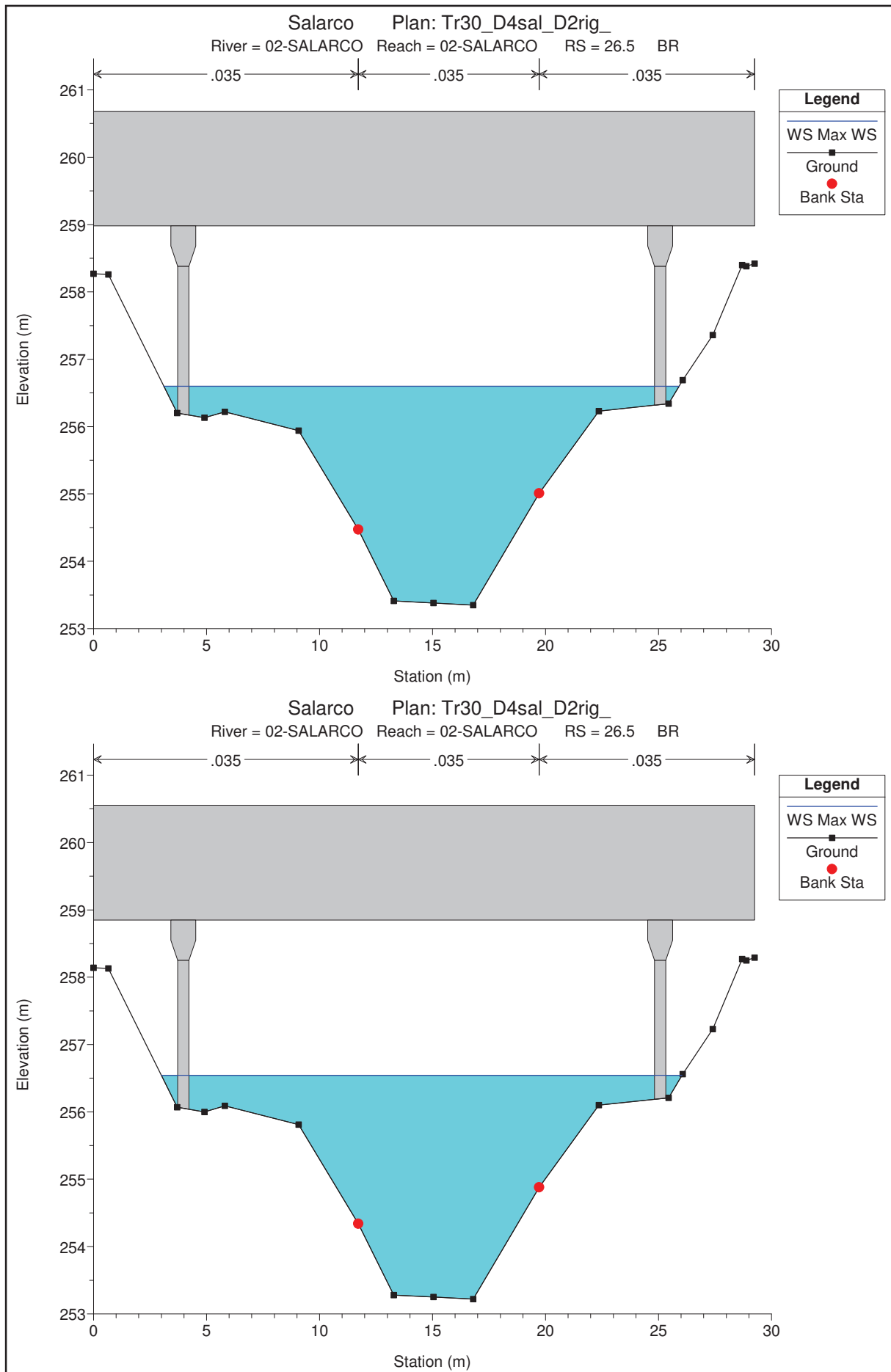


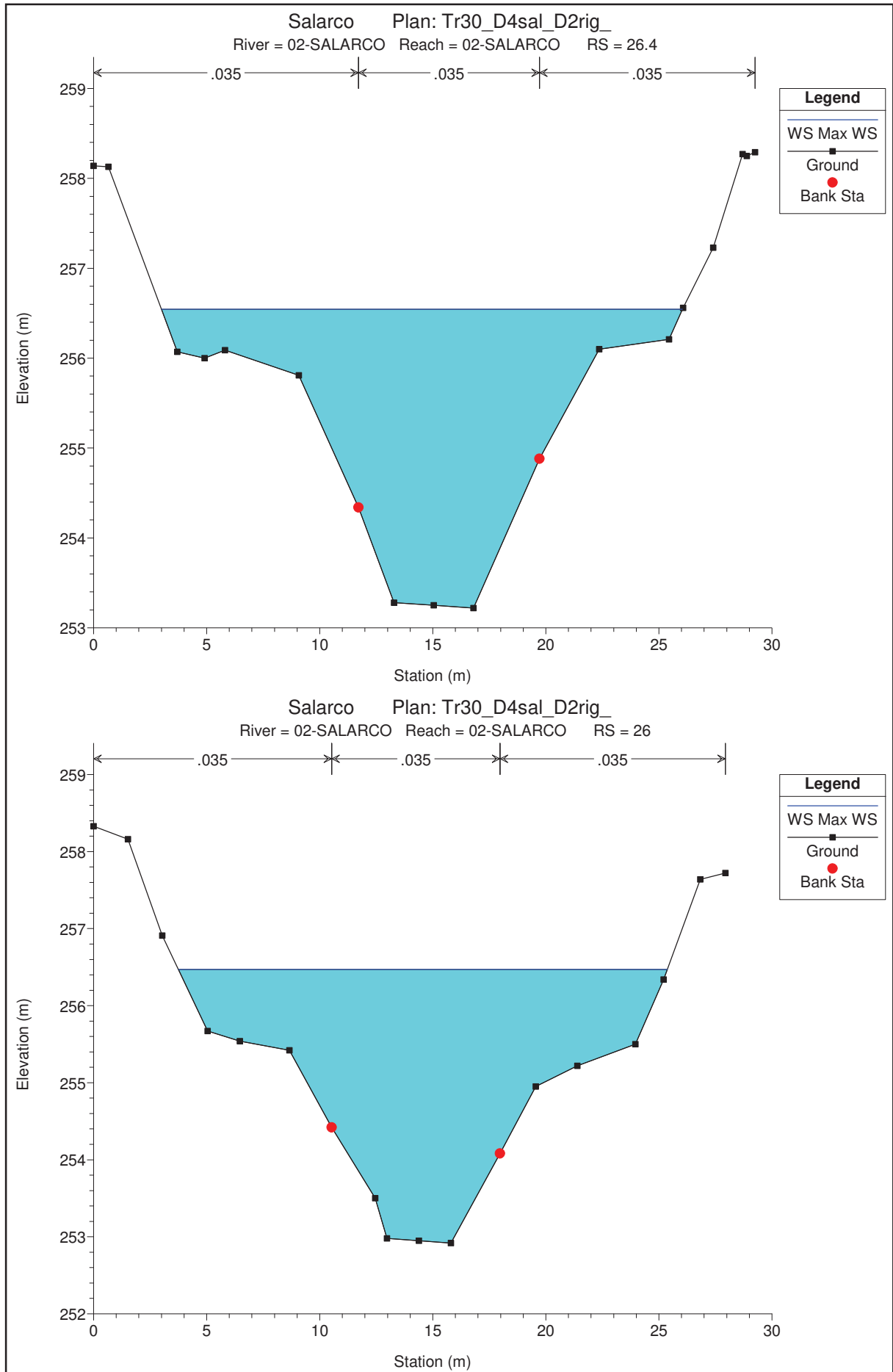


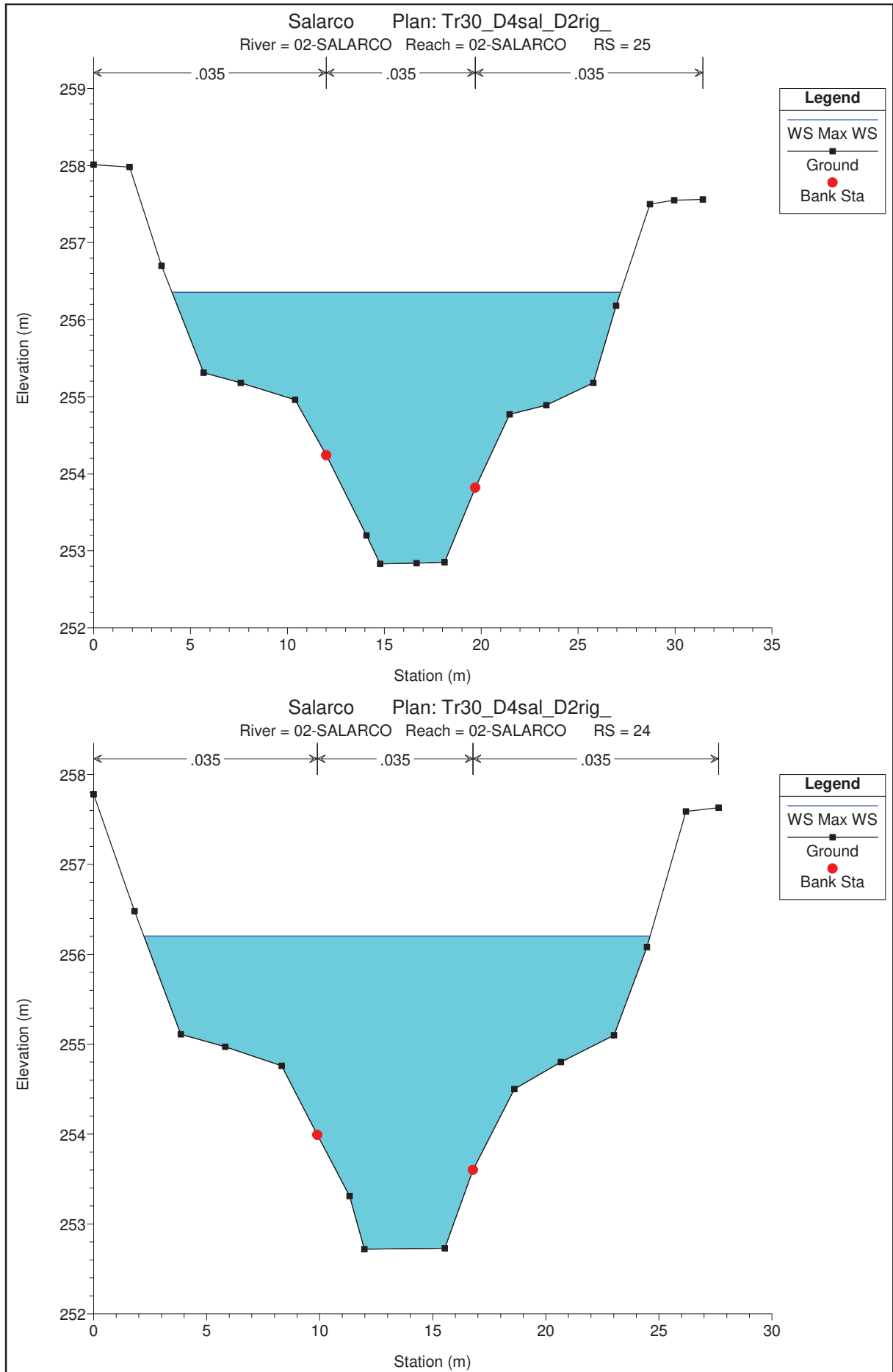


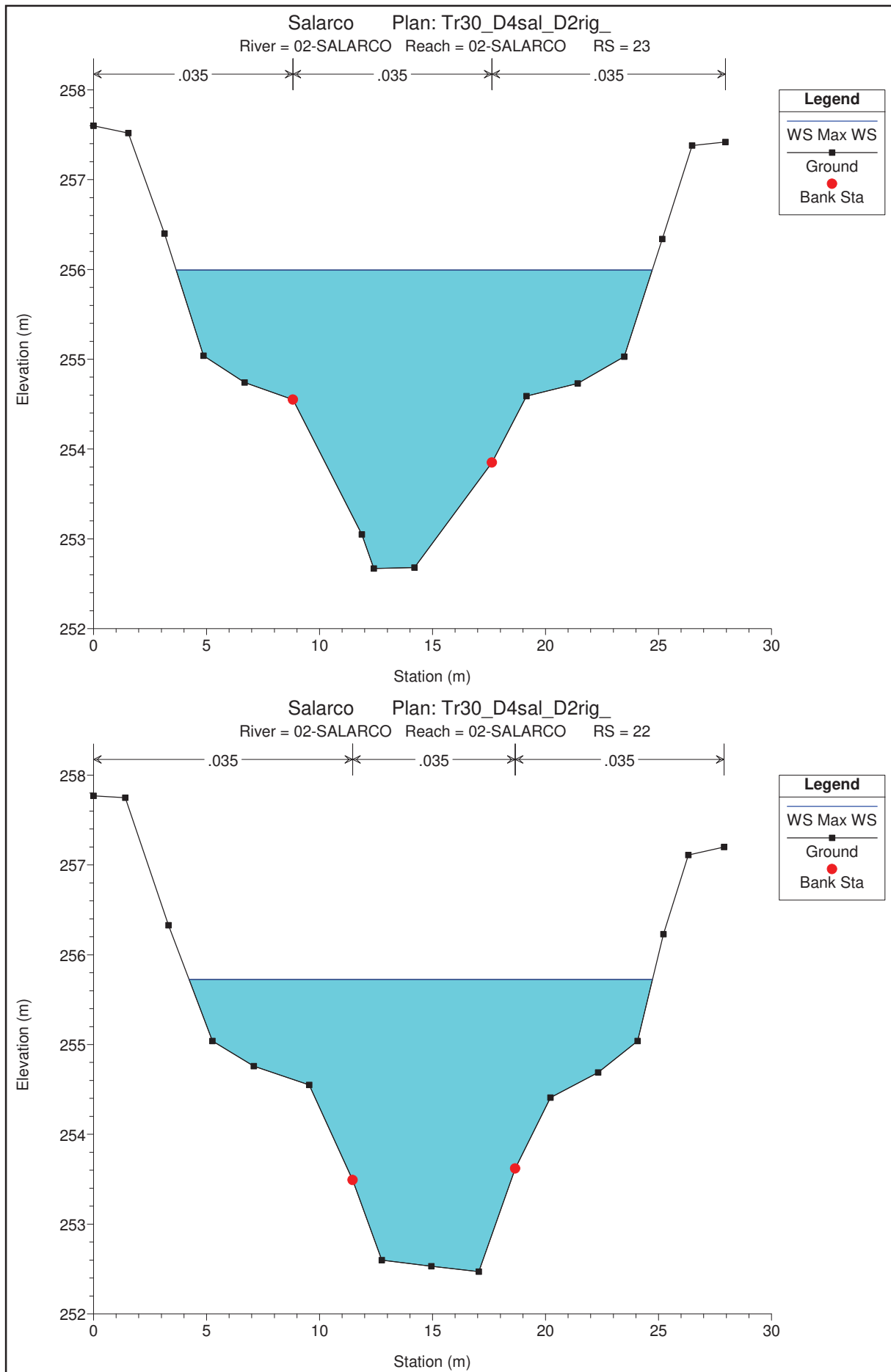


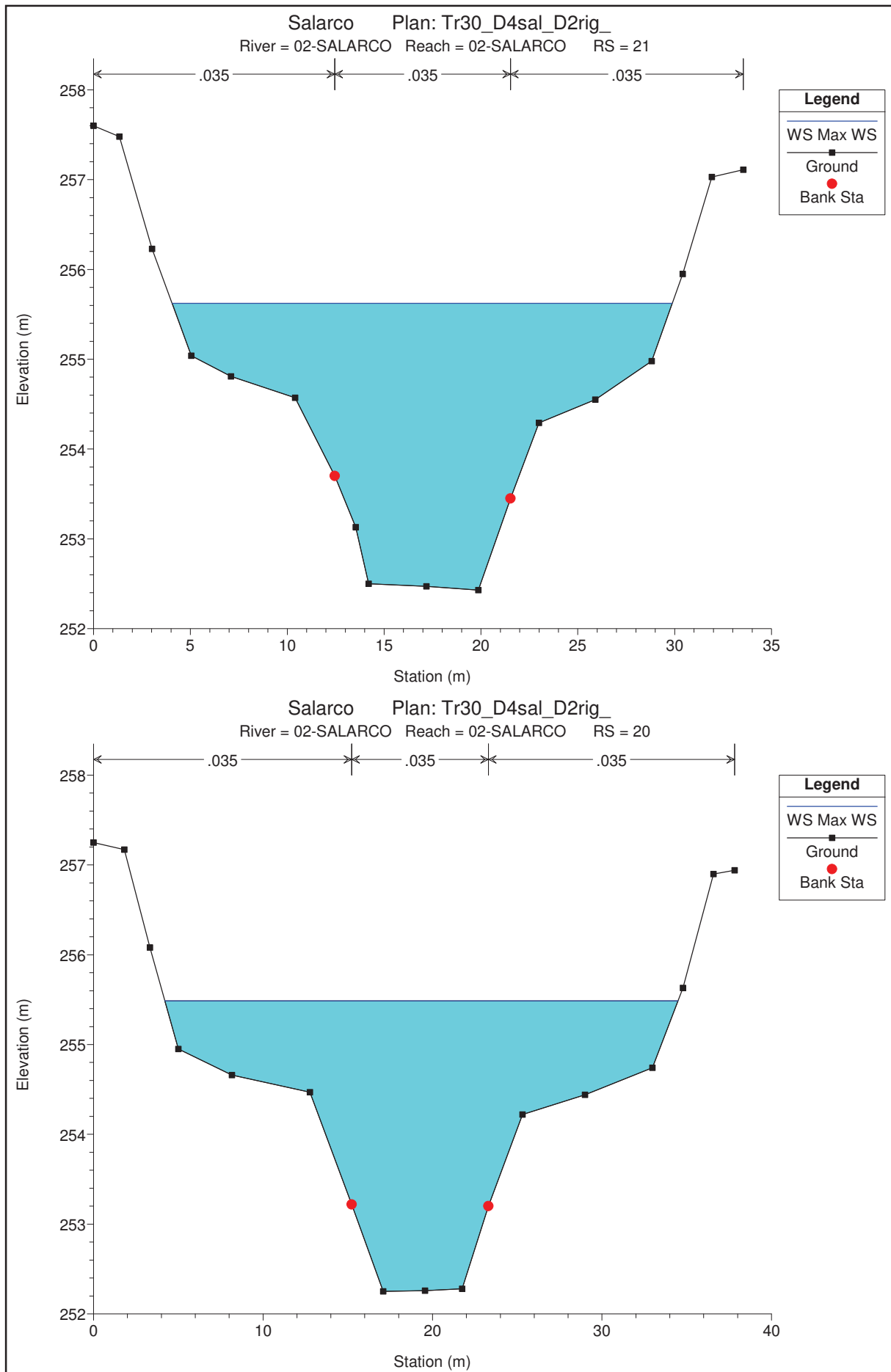


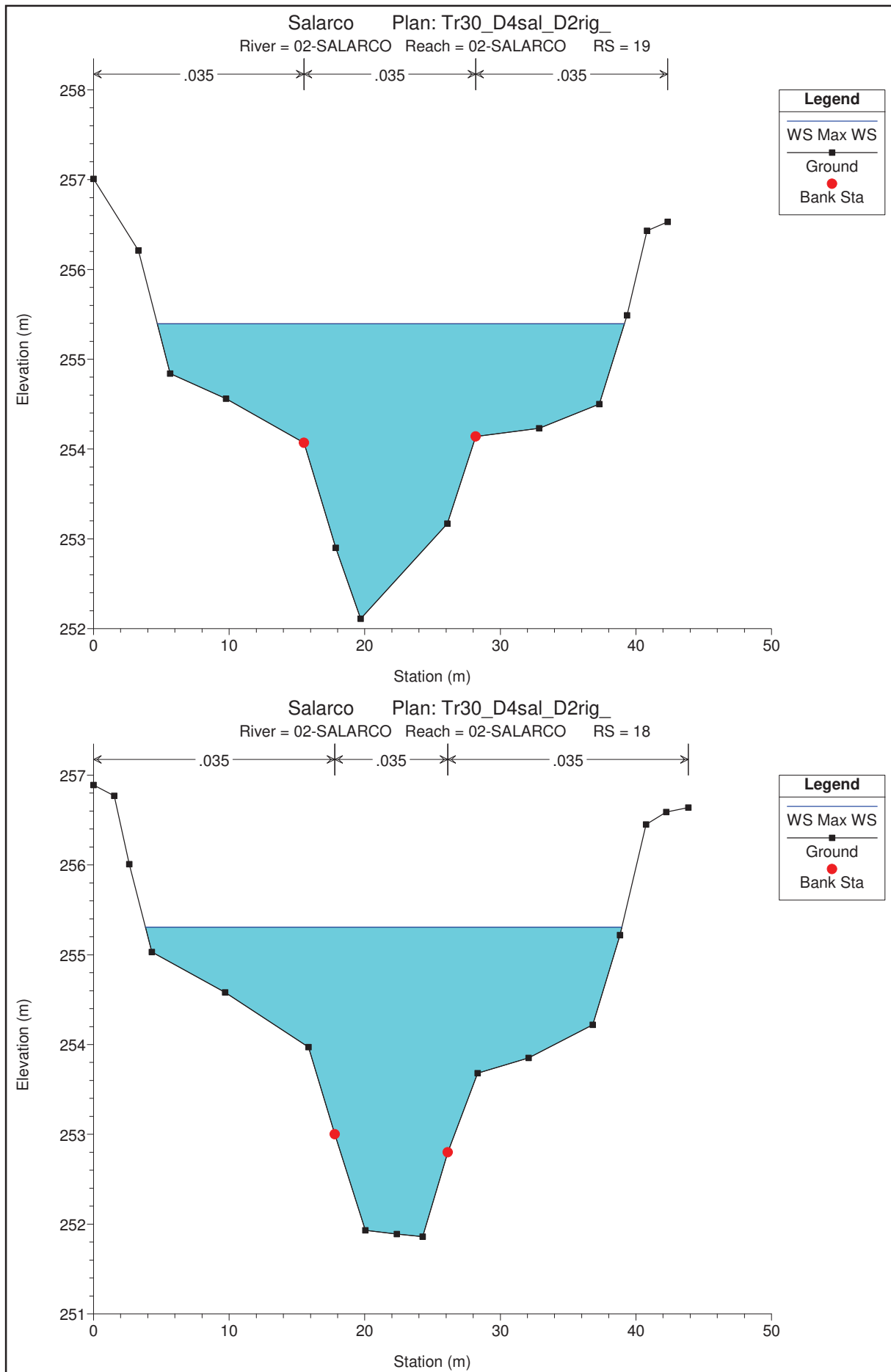


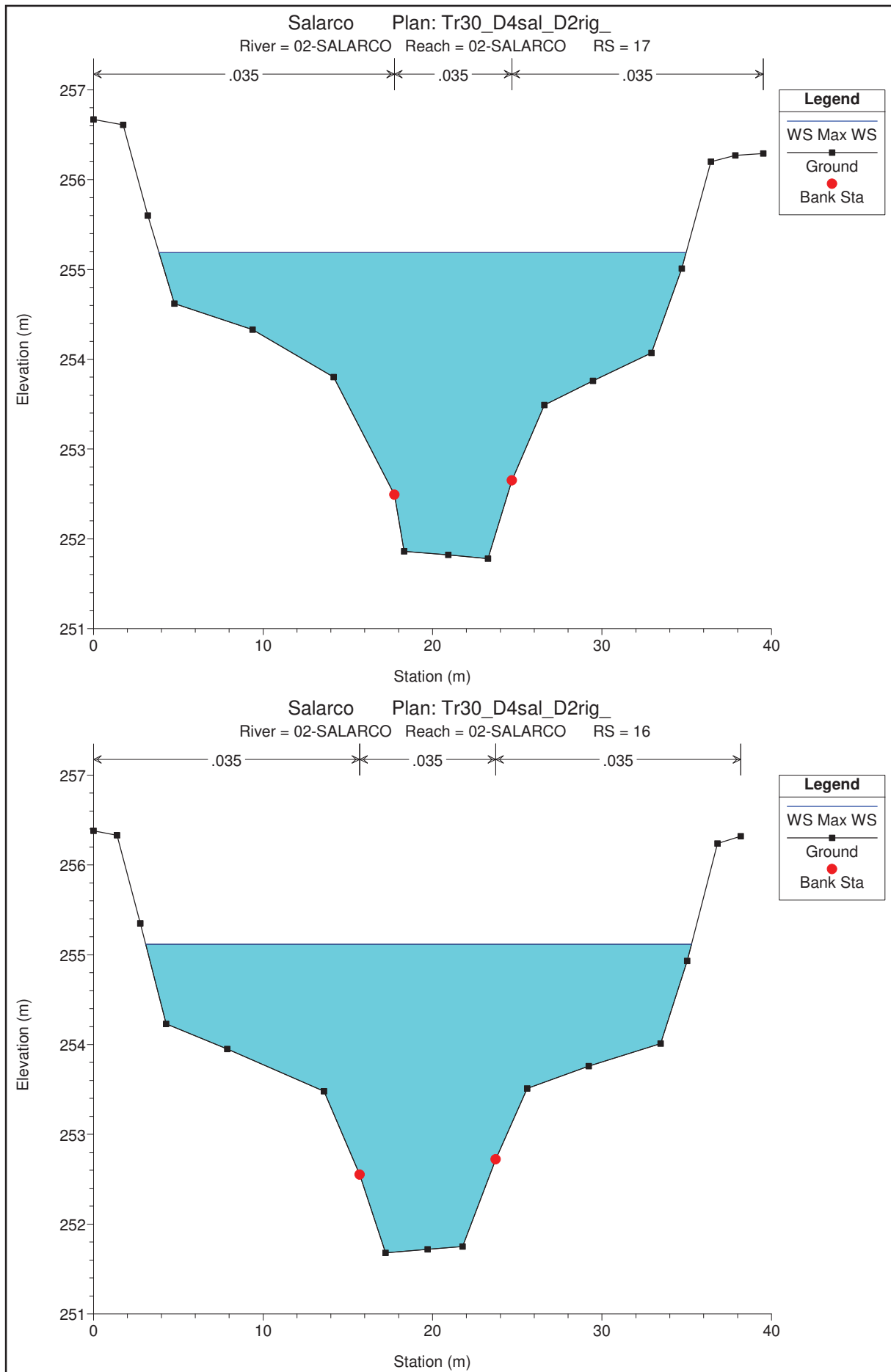


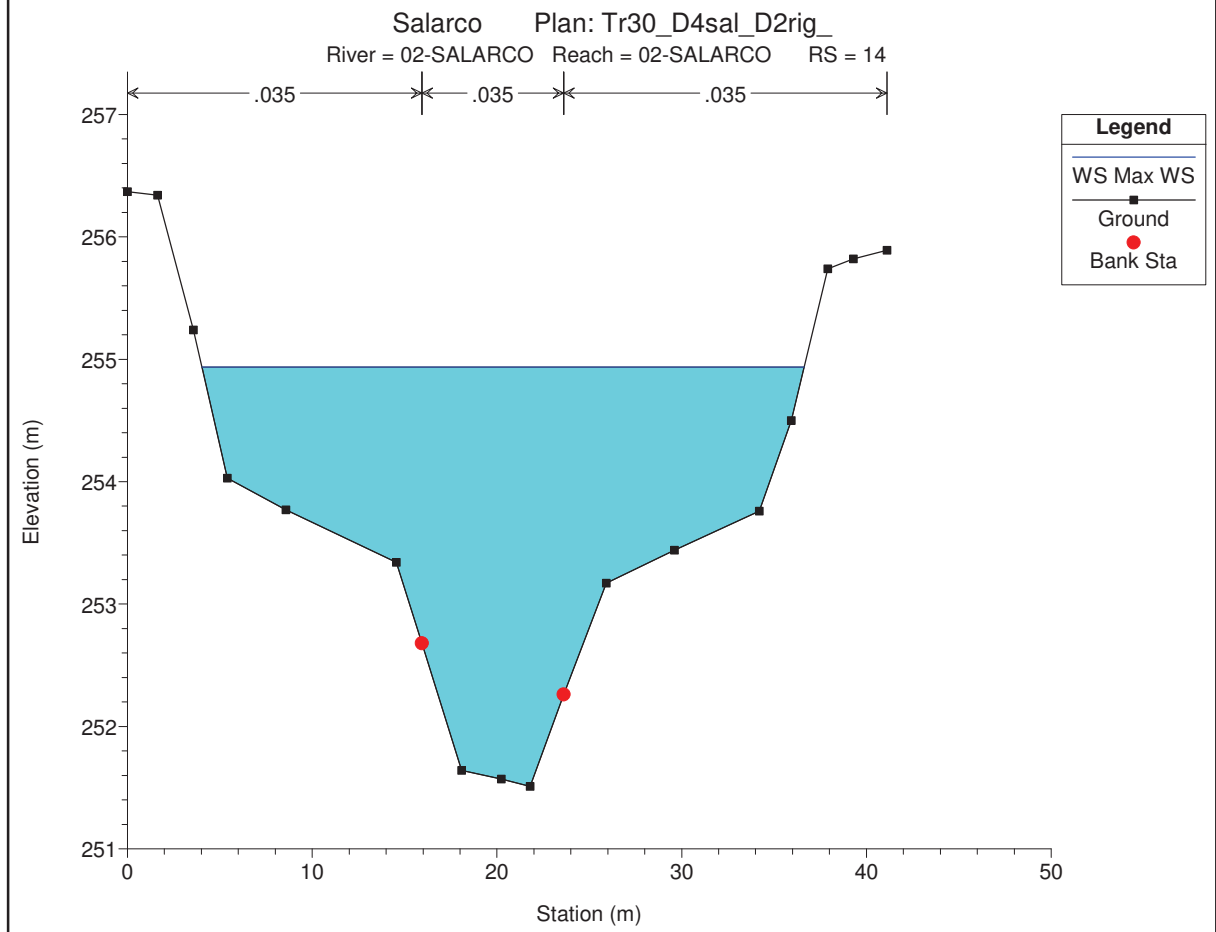
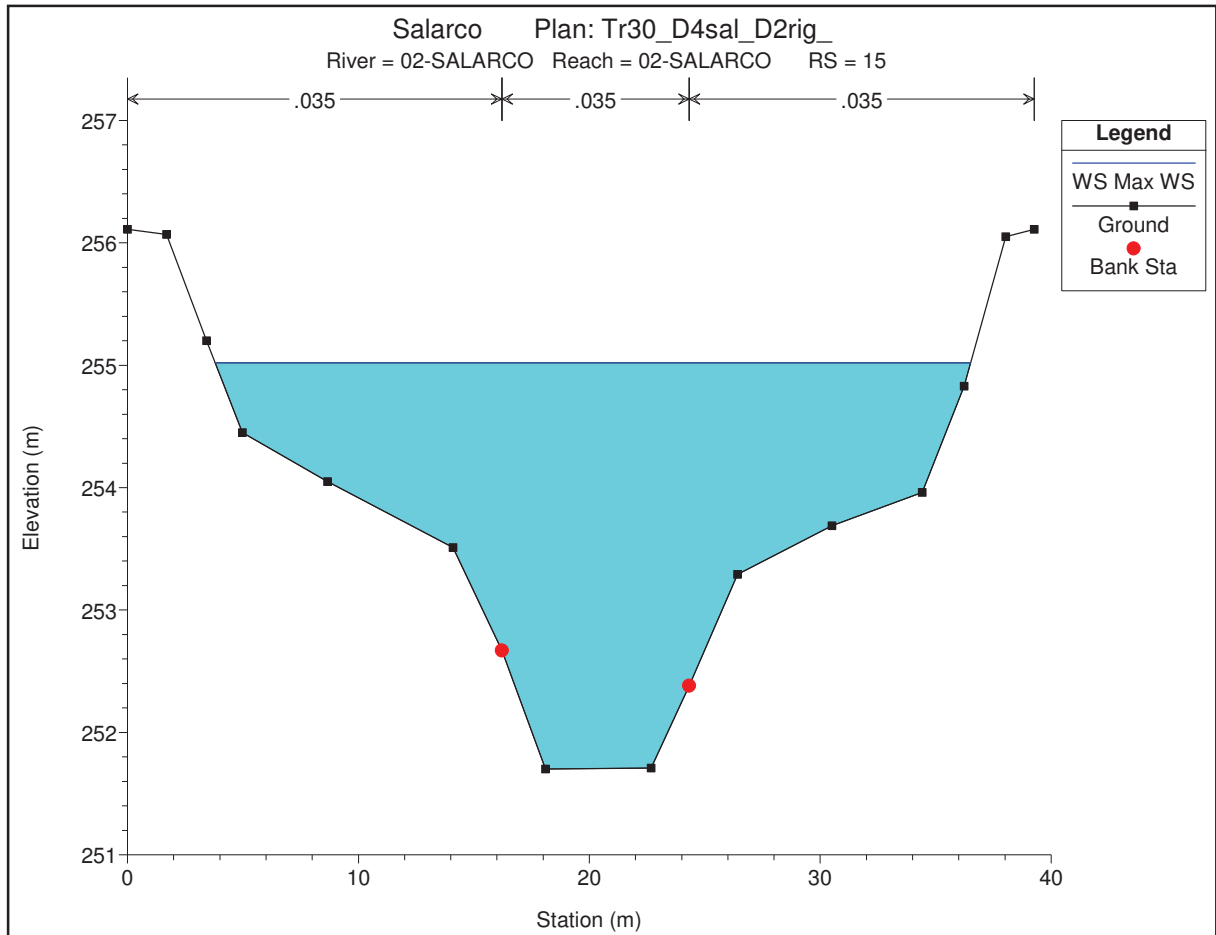


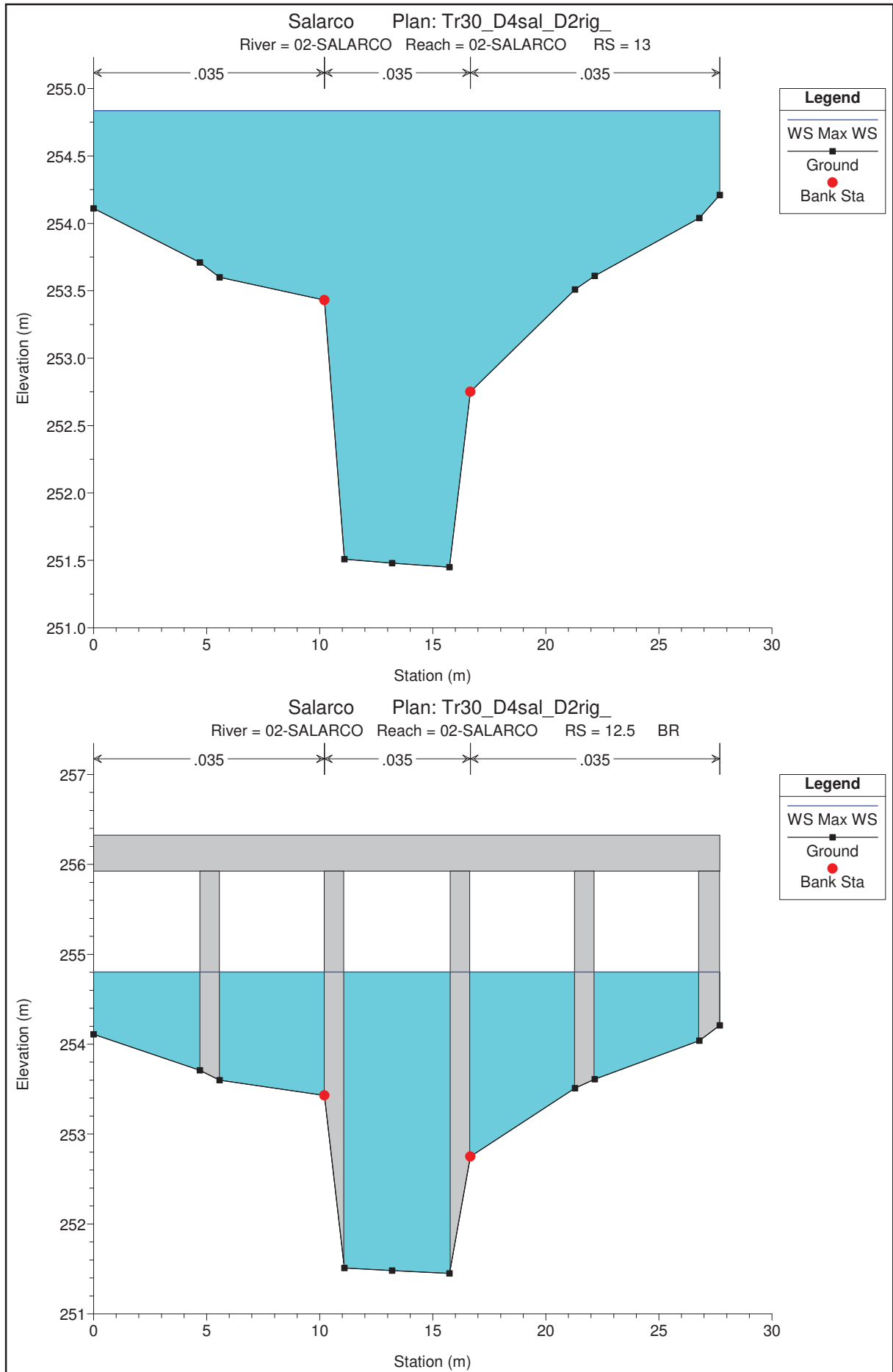


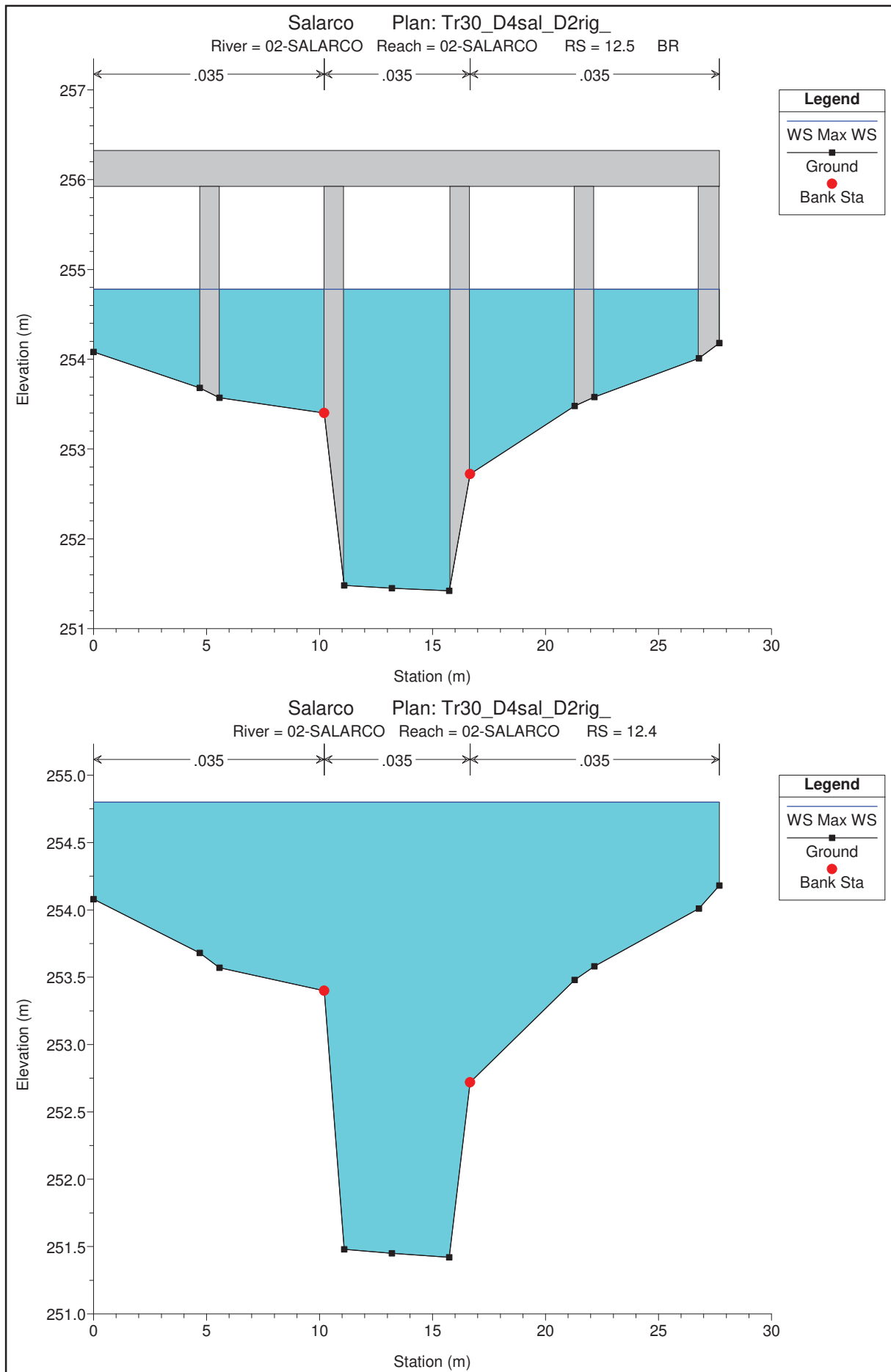


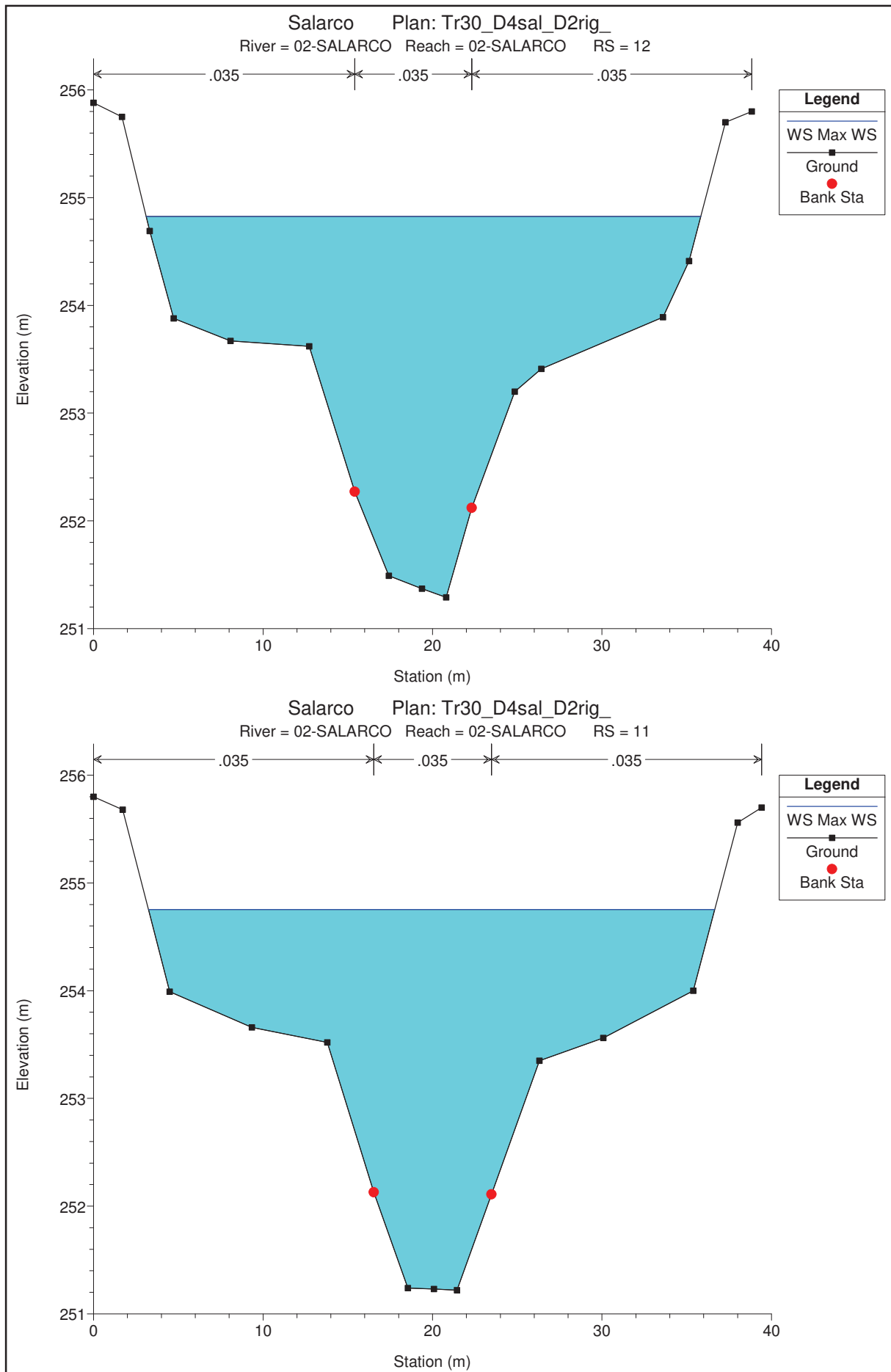


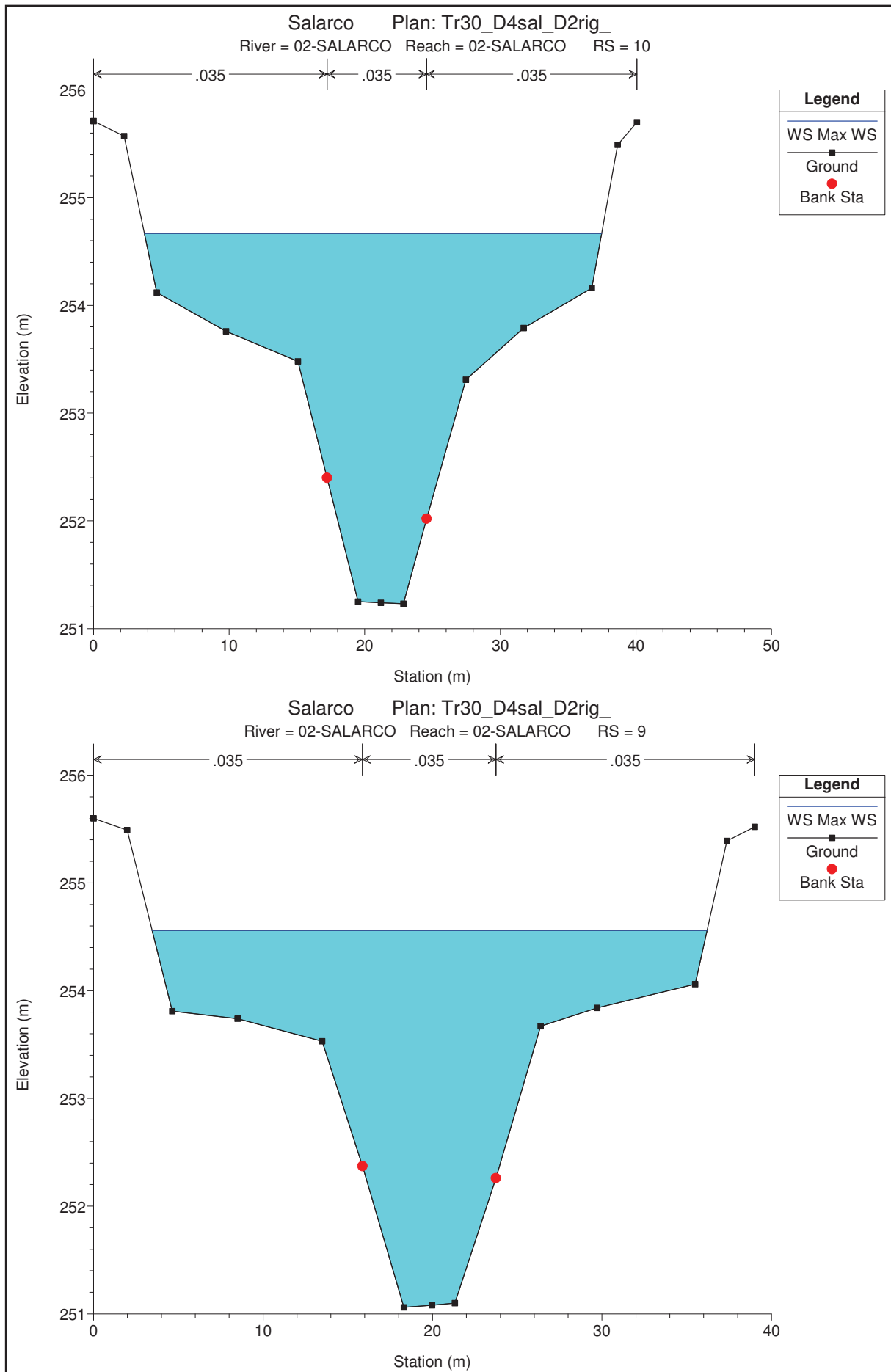


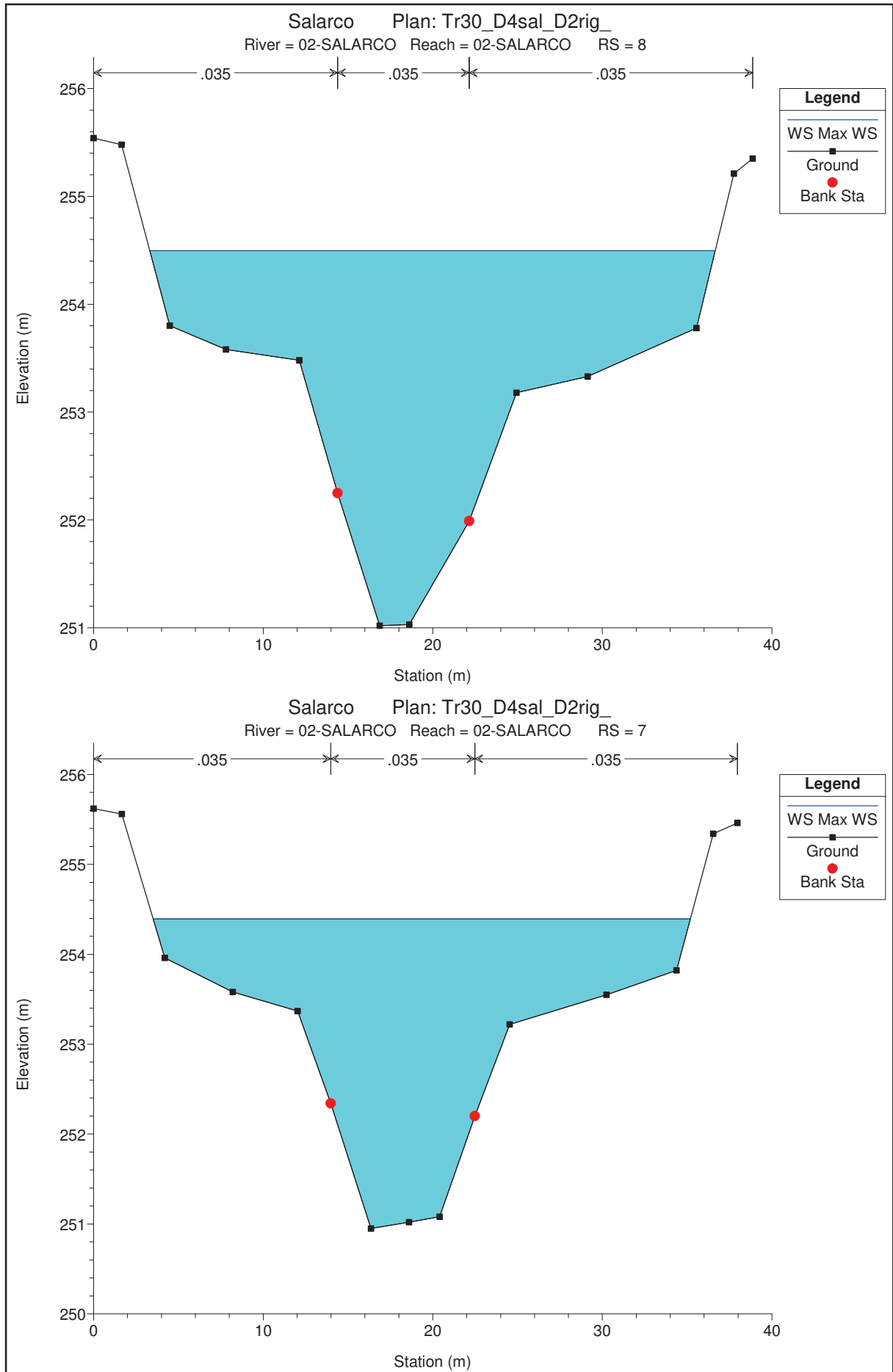


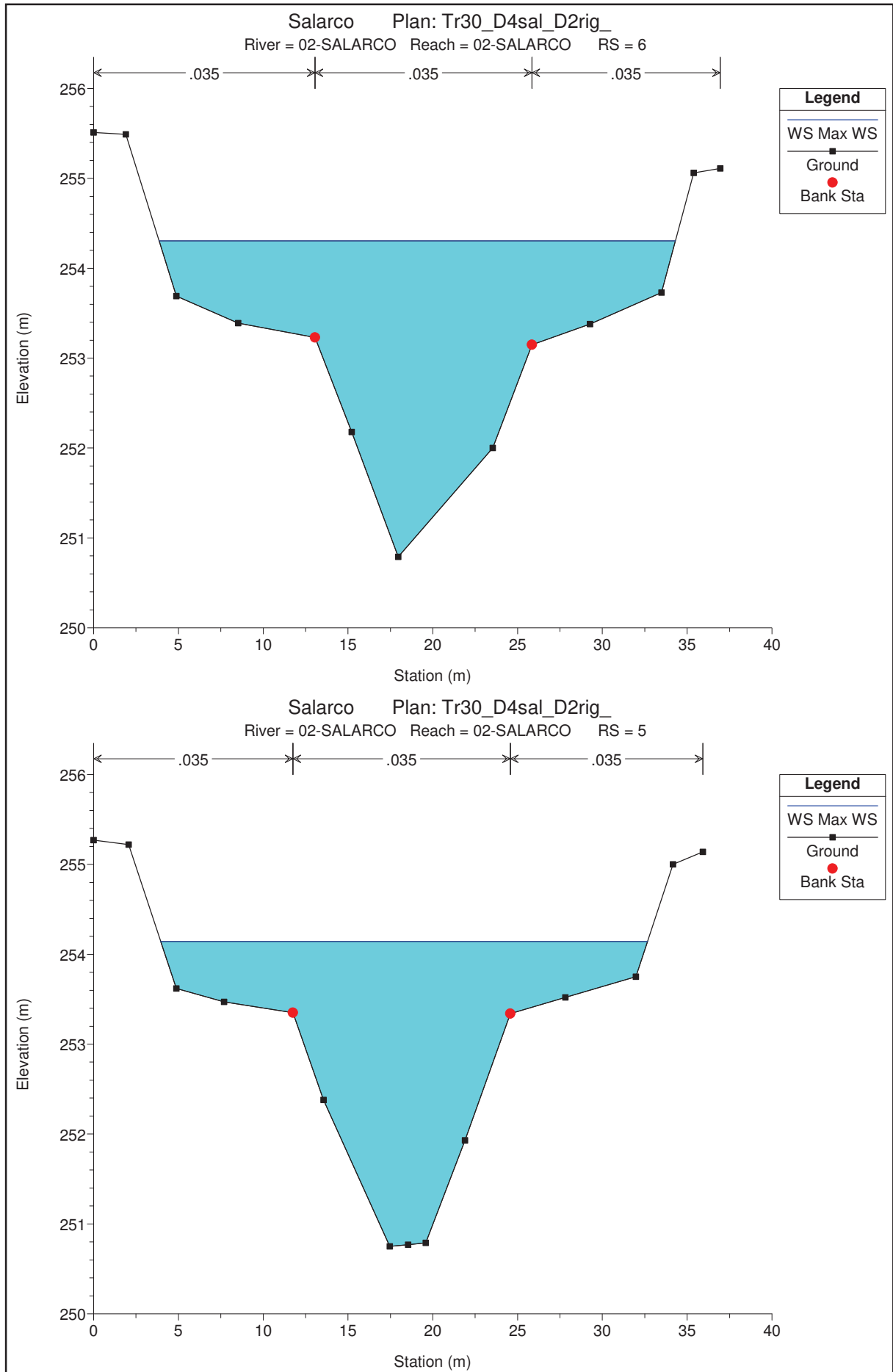


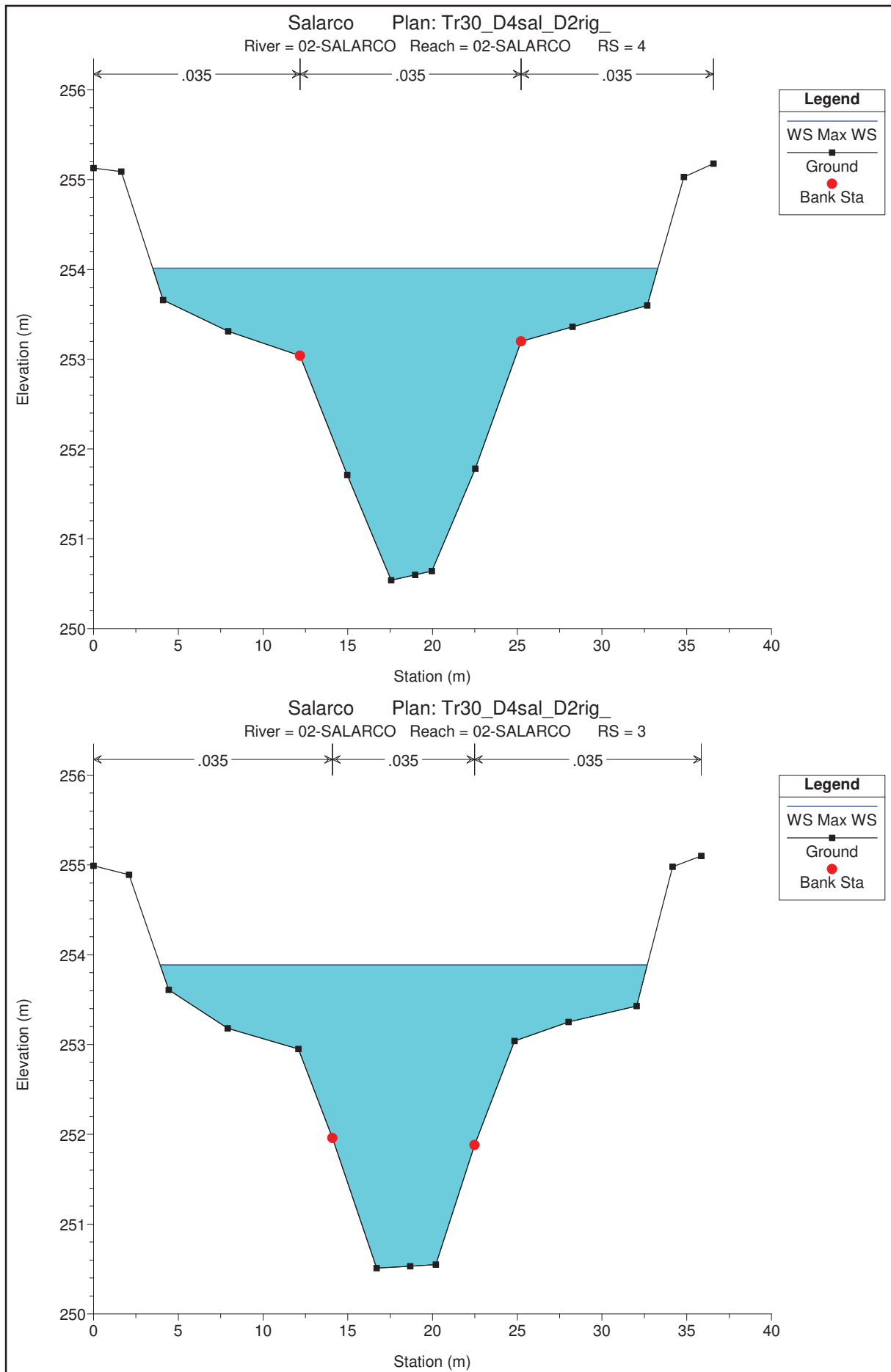


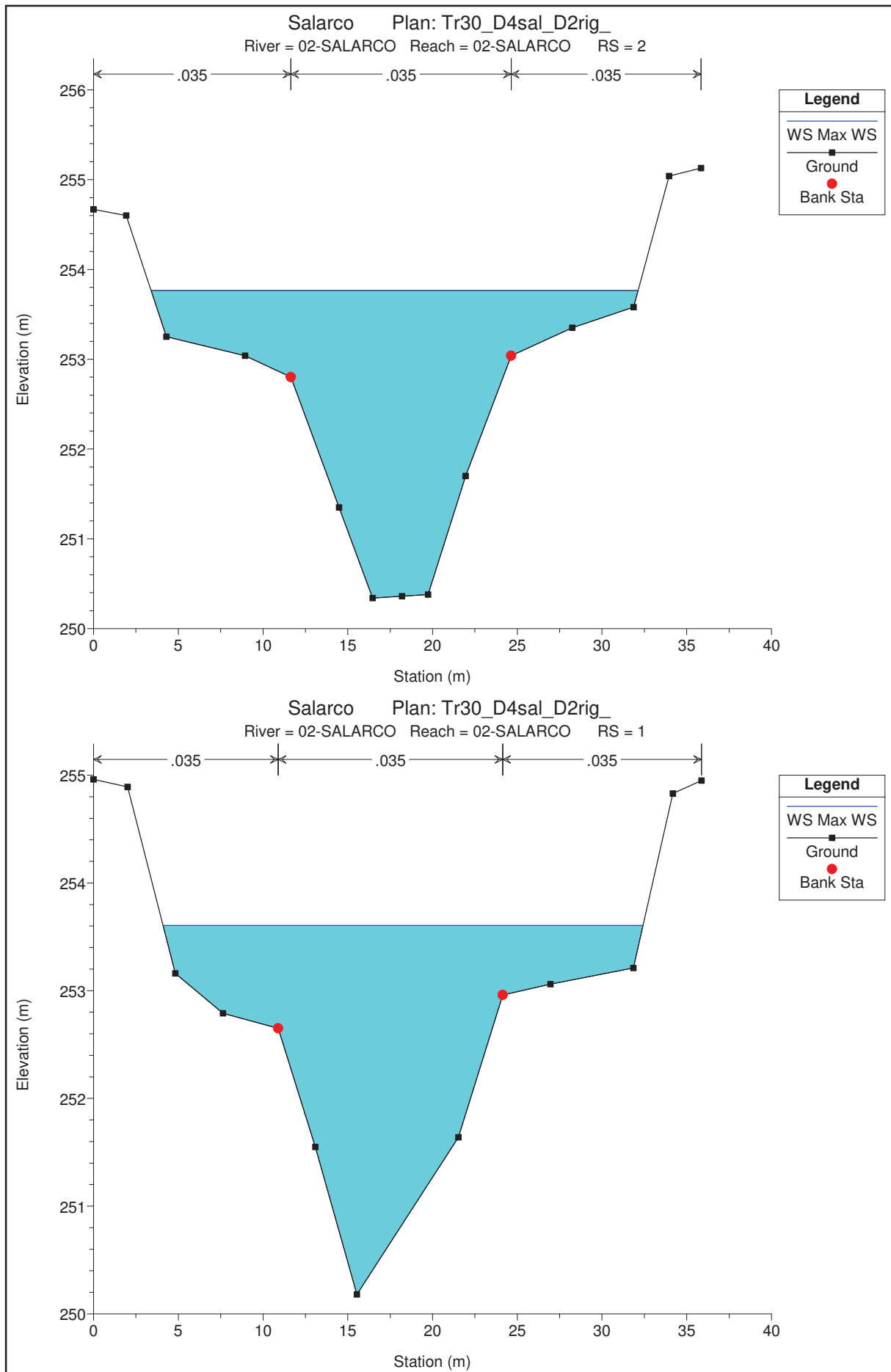














ALLEGATI

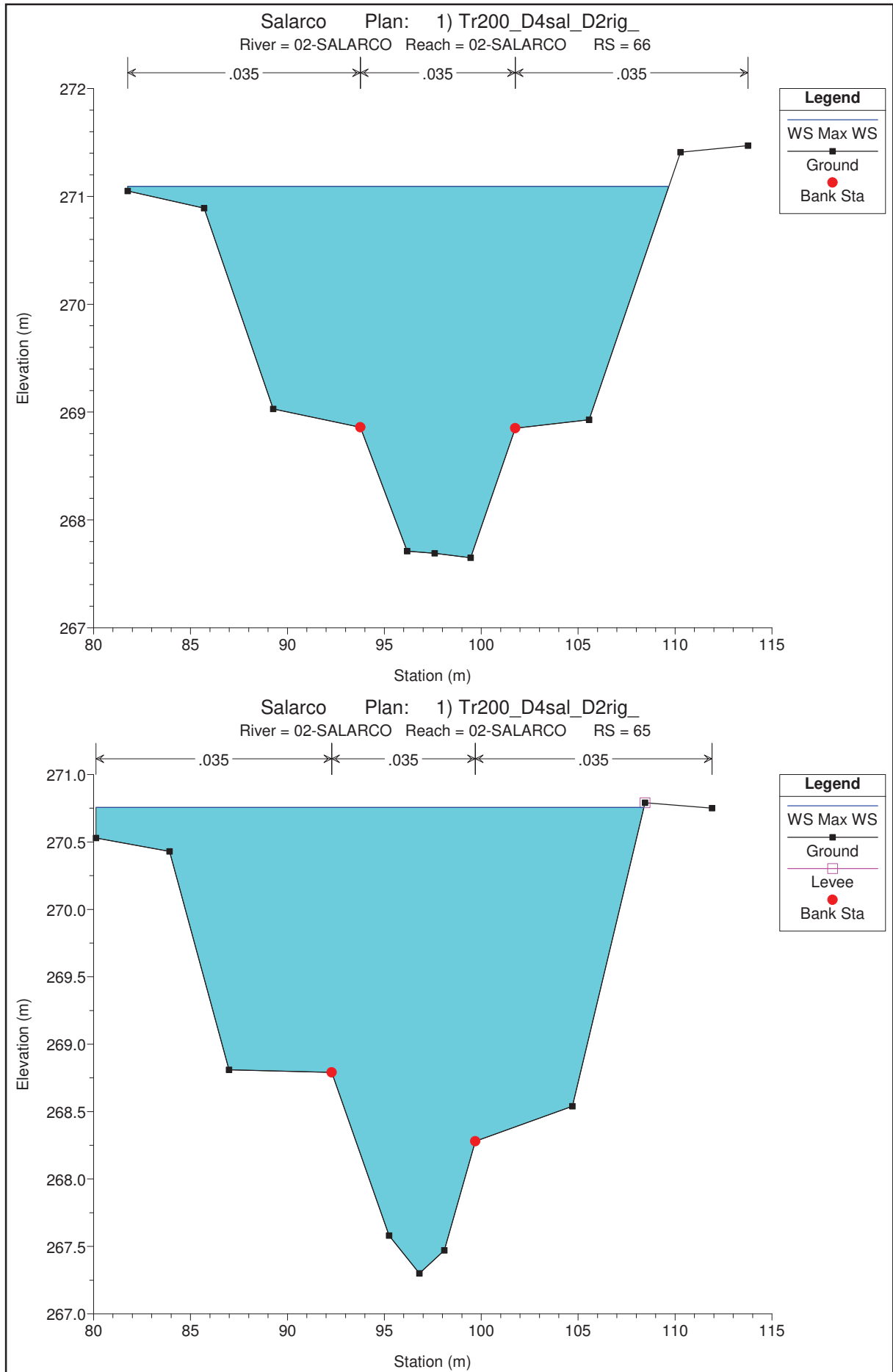
MODELLAZIONE HEC-RAS 5.0.6 "Salarco Rigo"

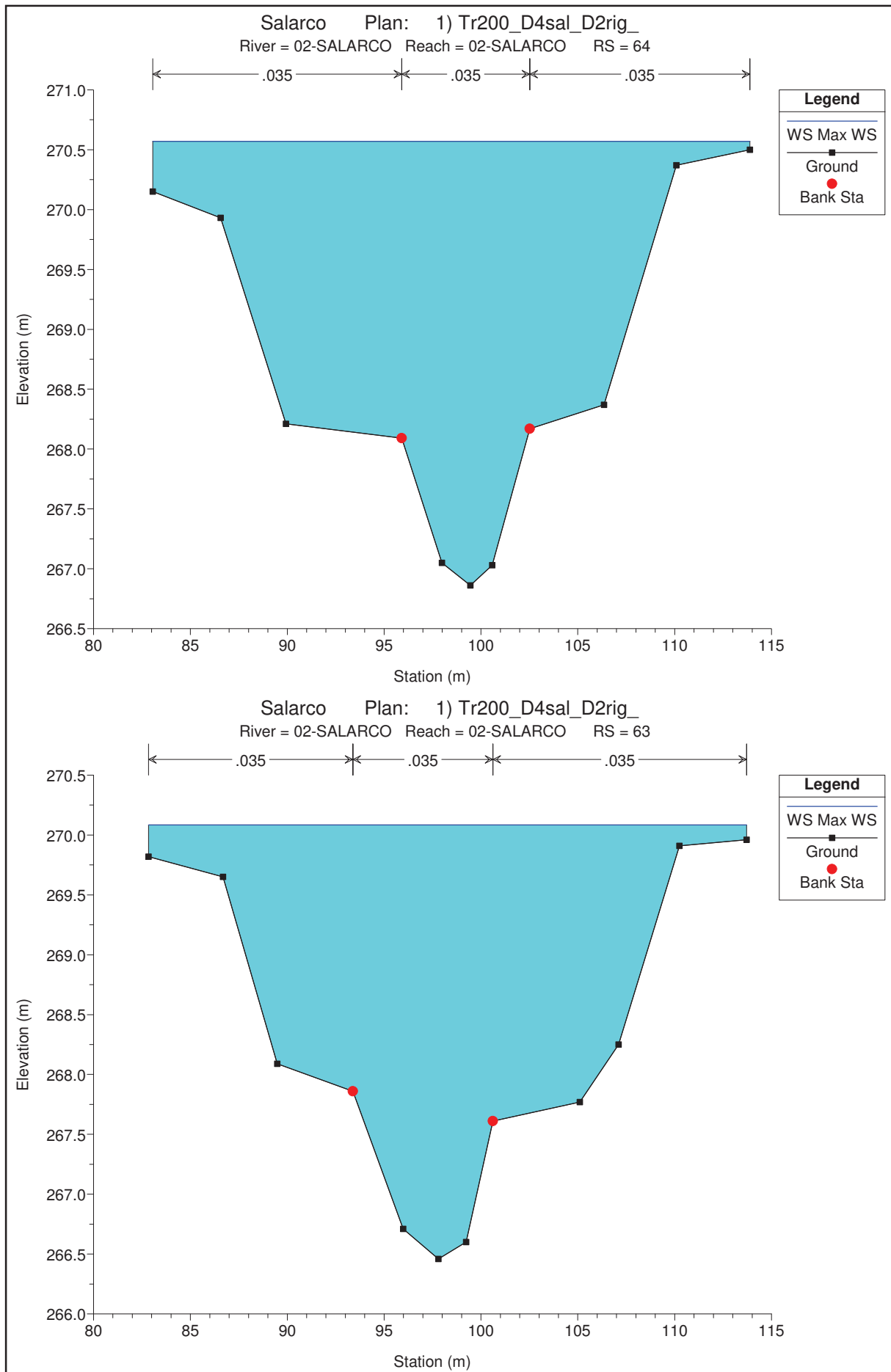
TORRENTE SALARCO

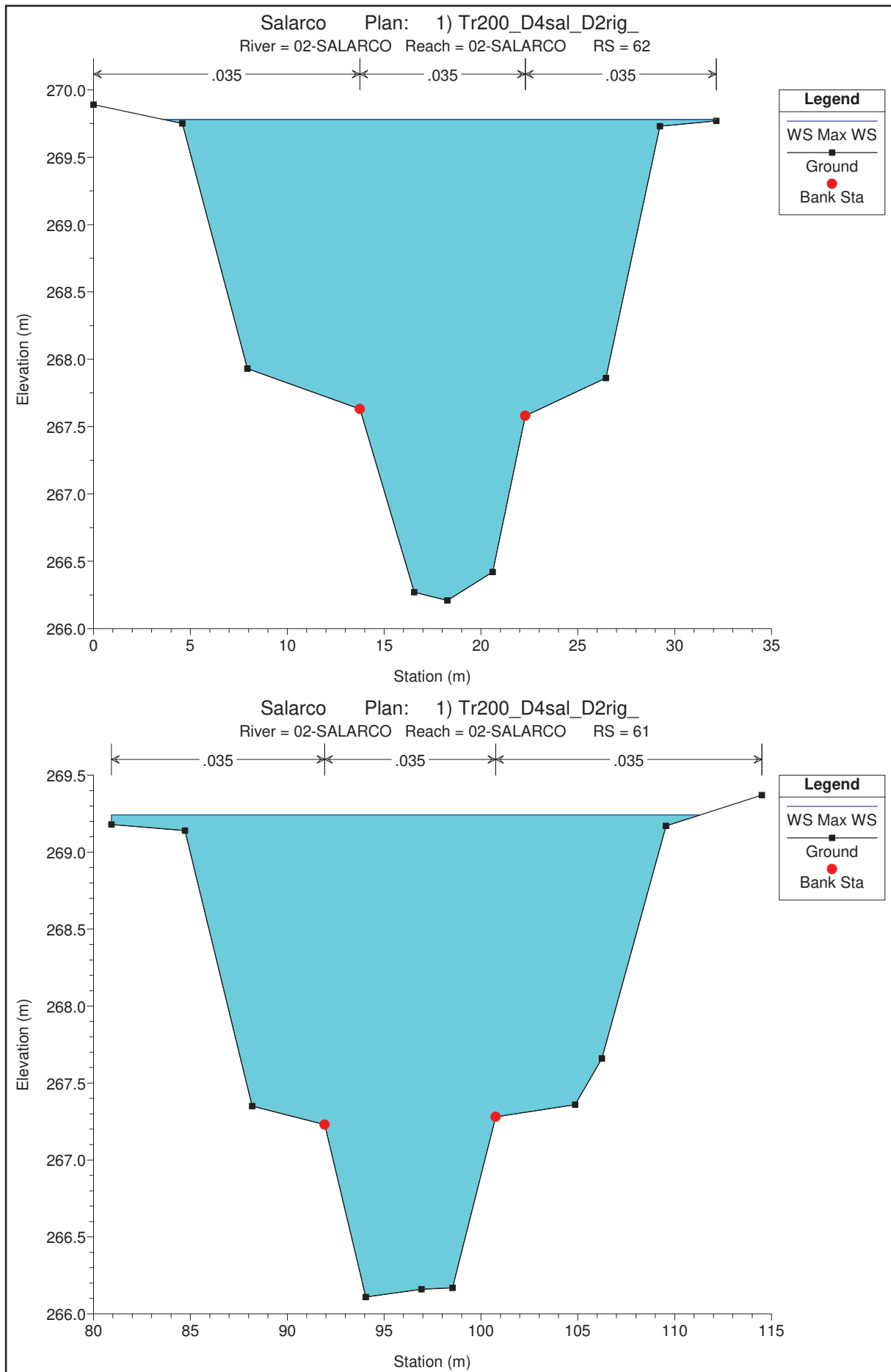
MODELLAZIONE PER TR=200 anni

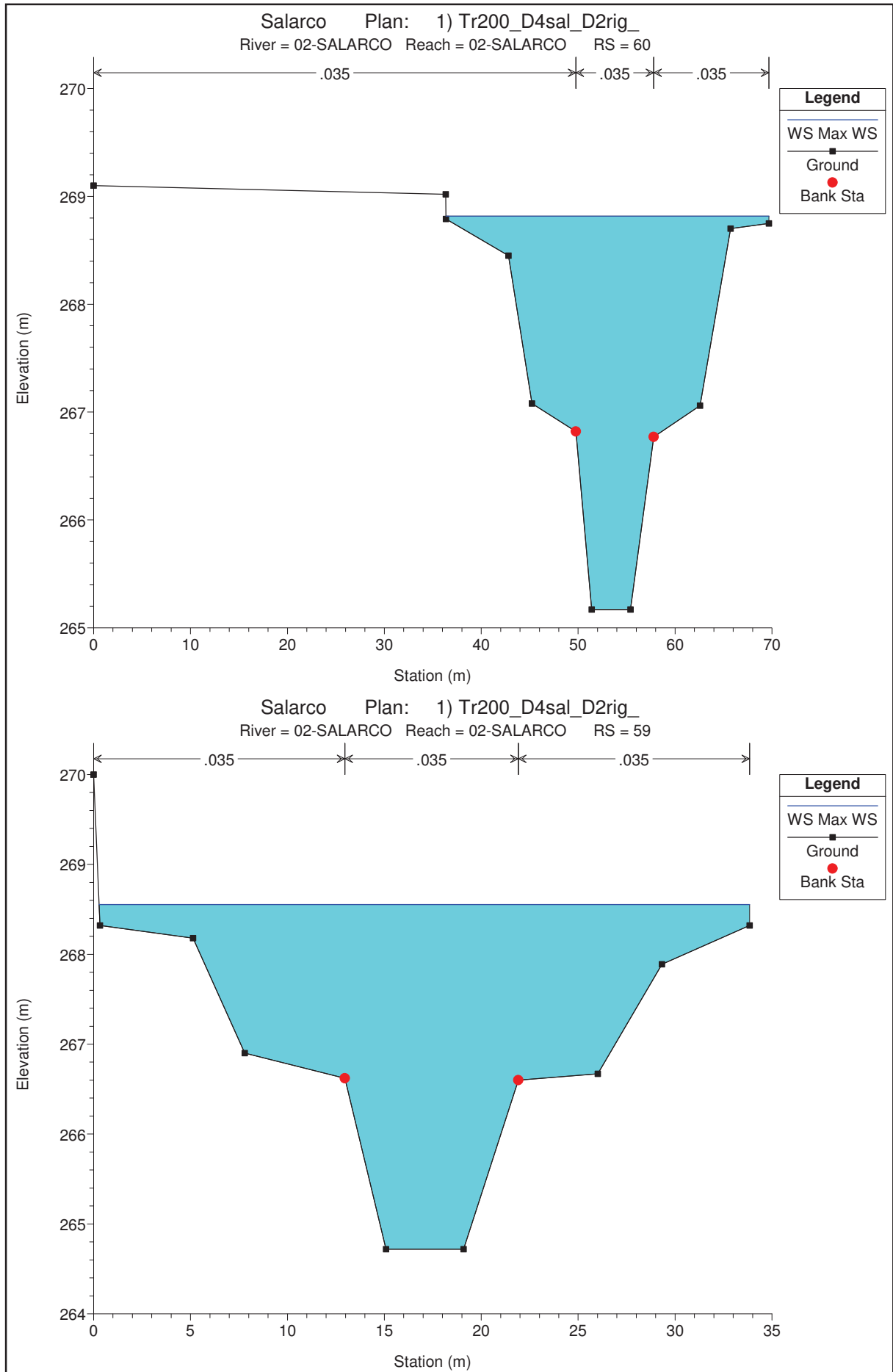
DURATE DI PIOGGIA: 4h

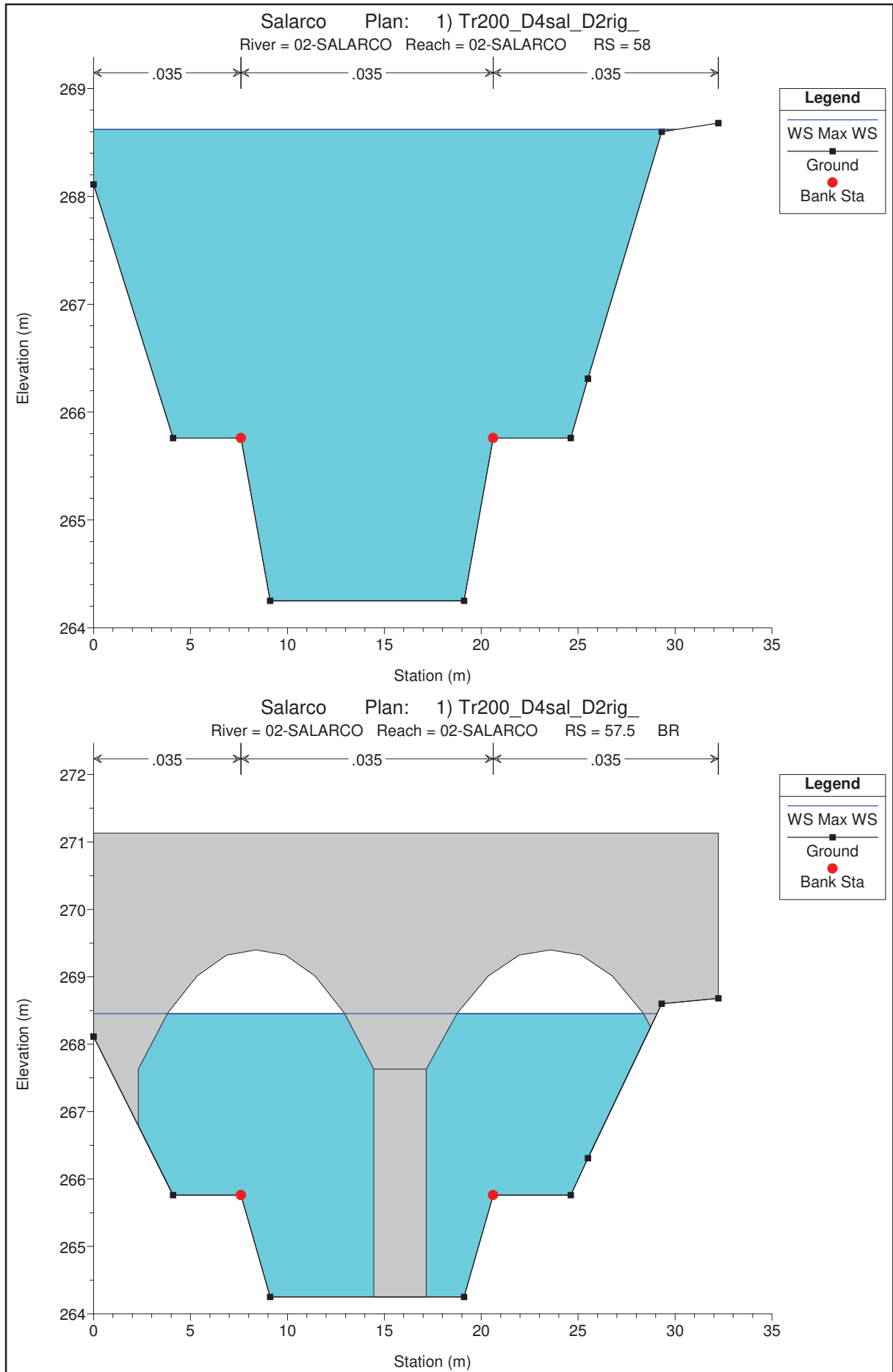
Sezioni Trasversali (da monte verso valle)

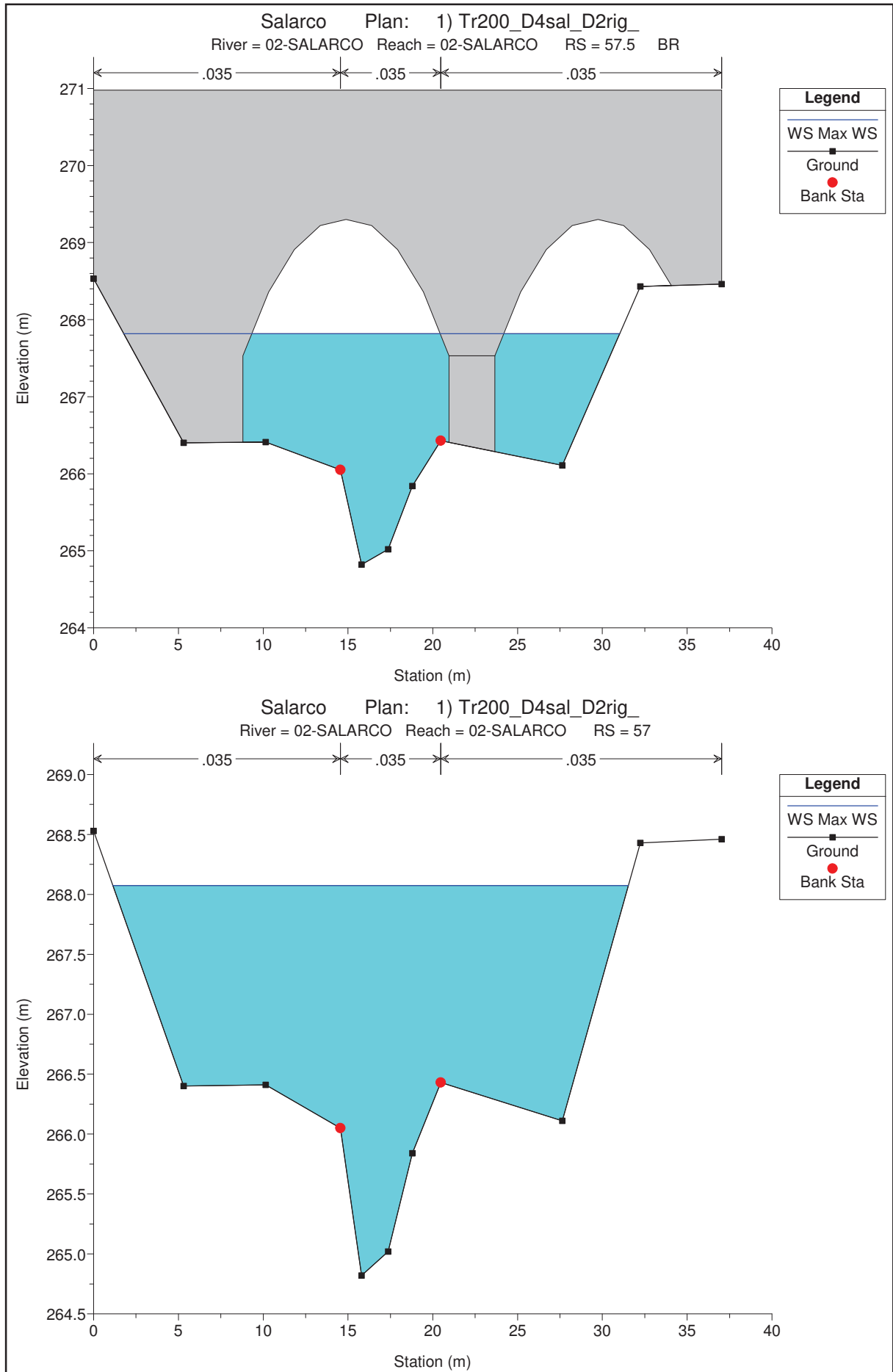


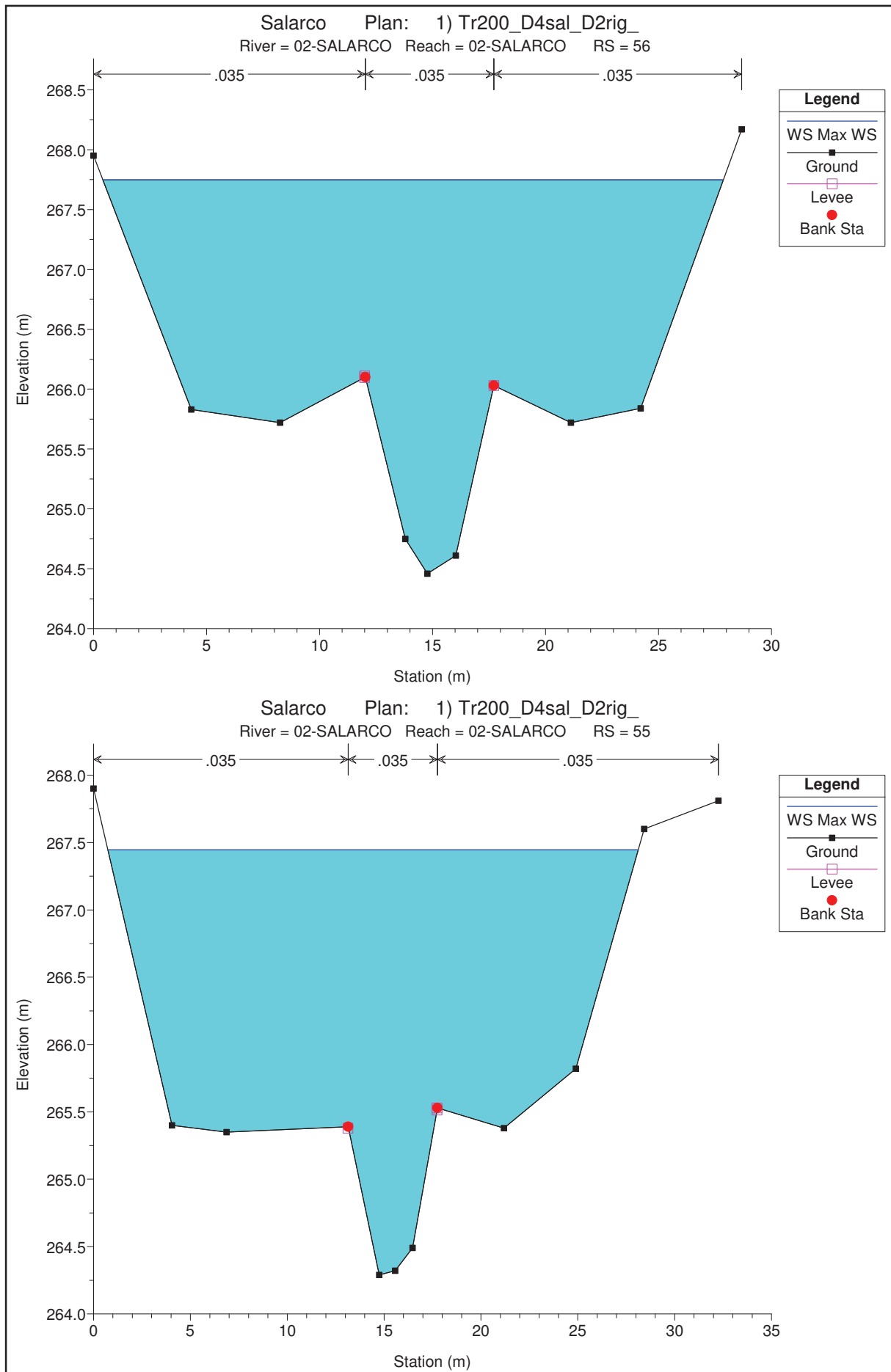


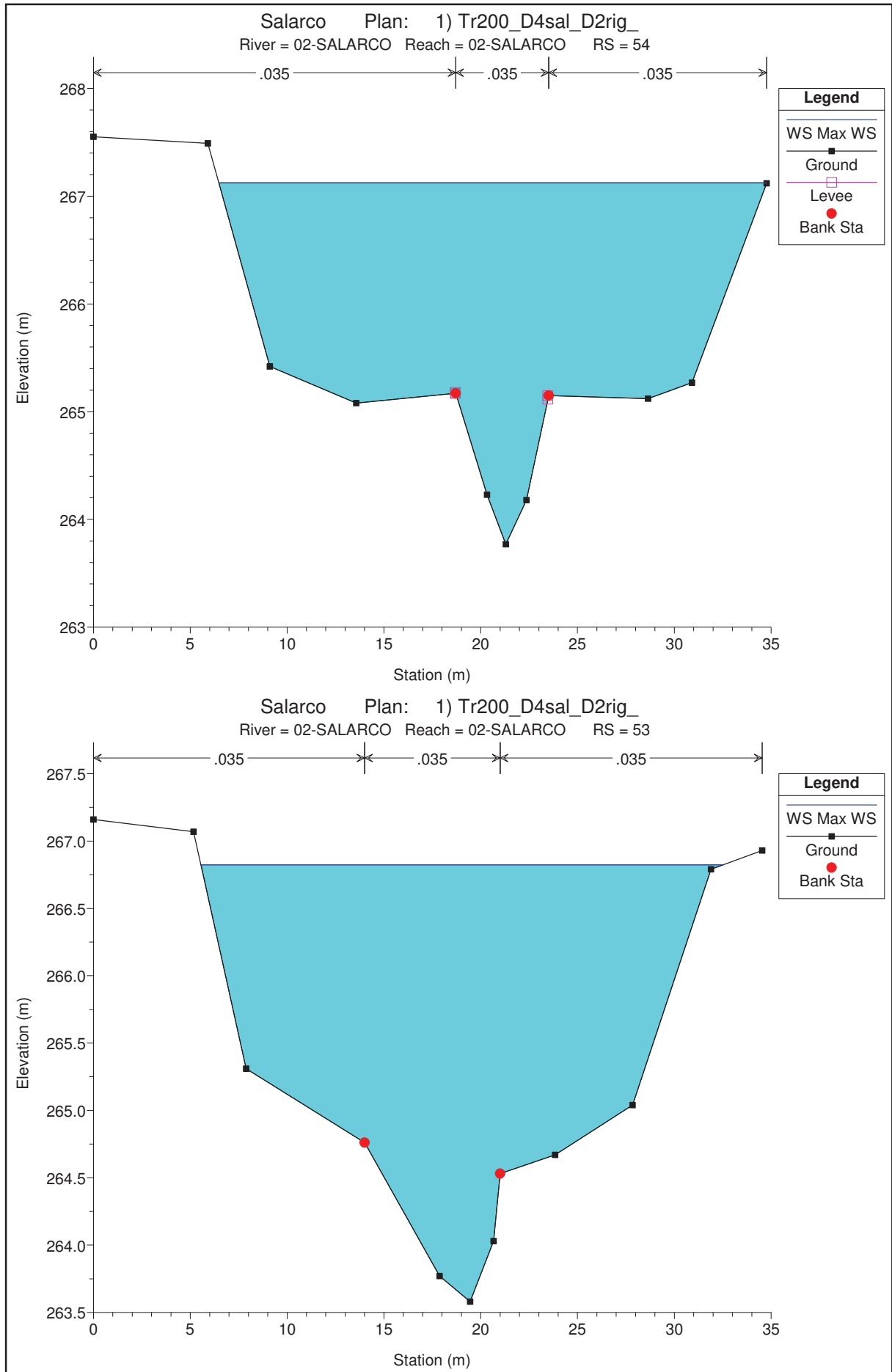


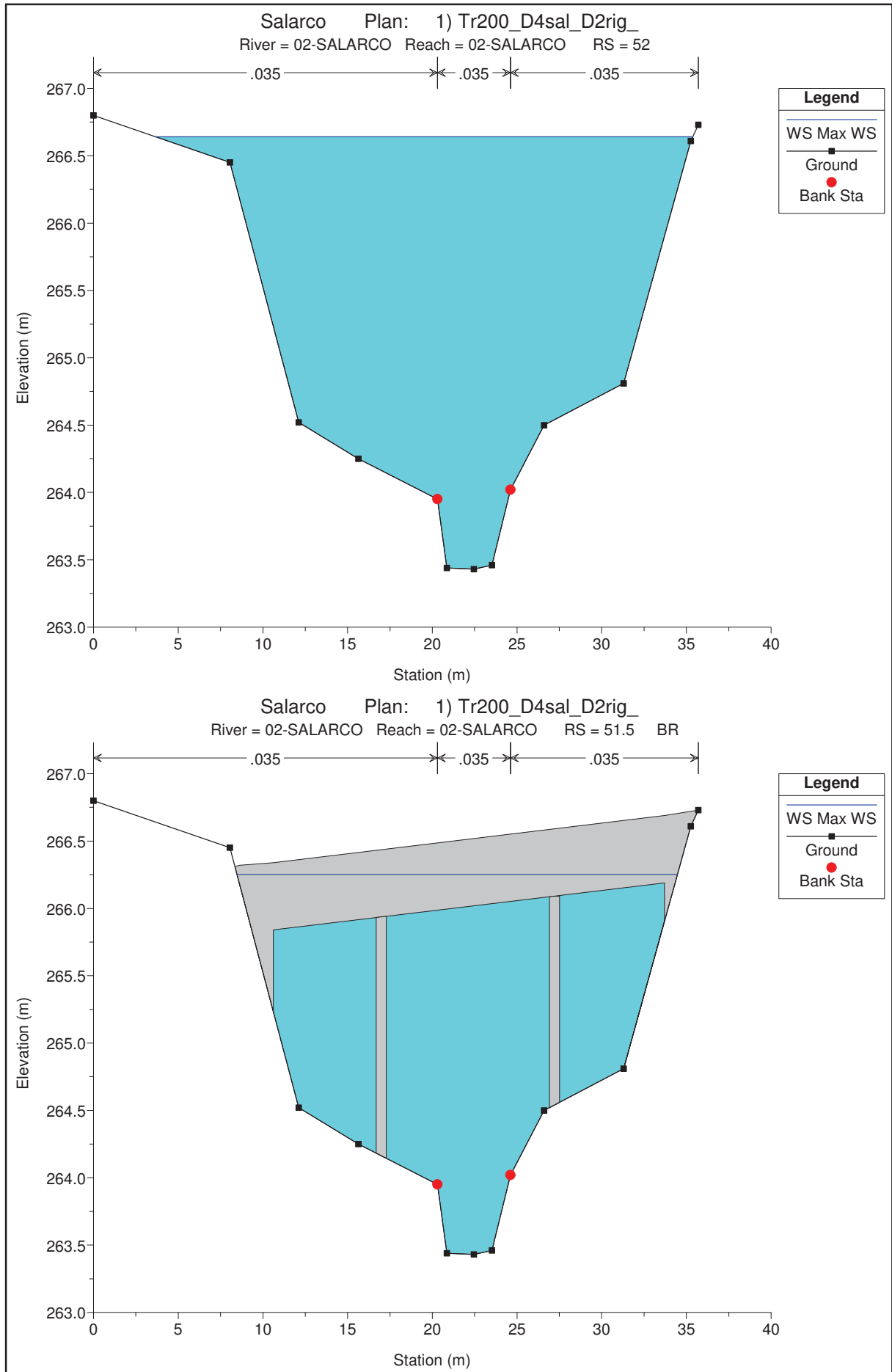


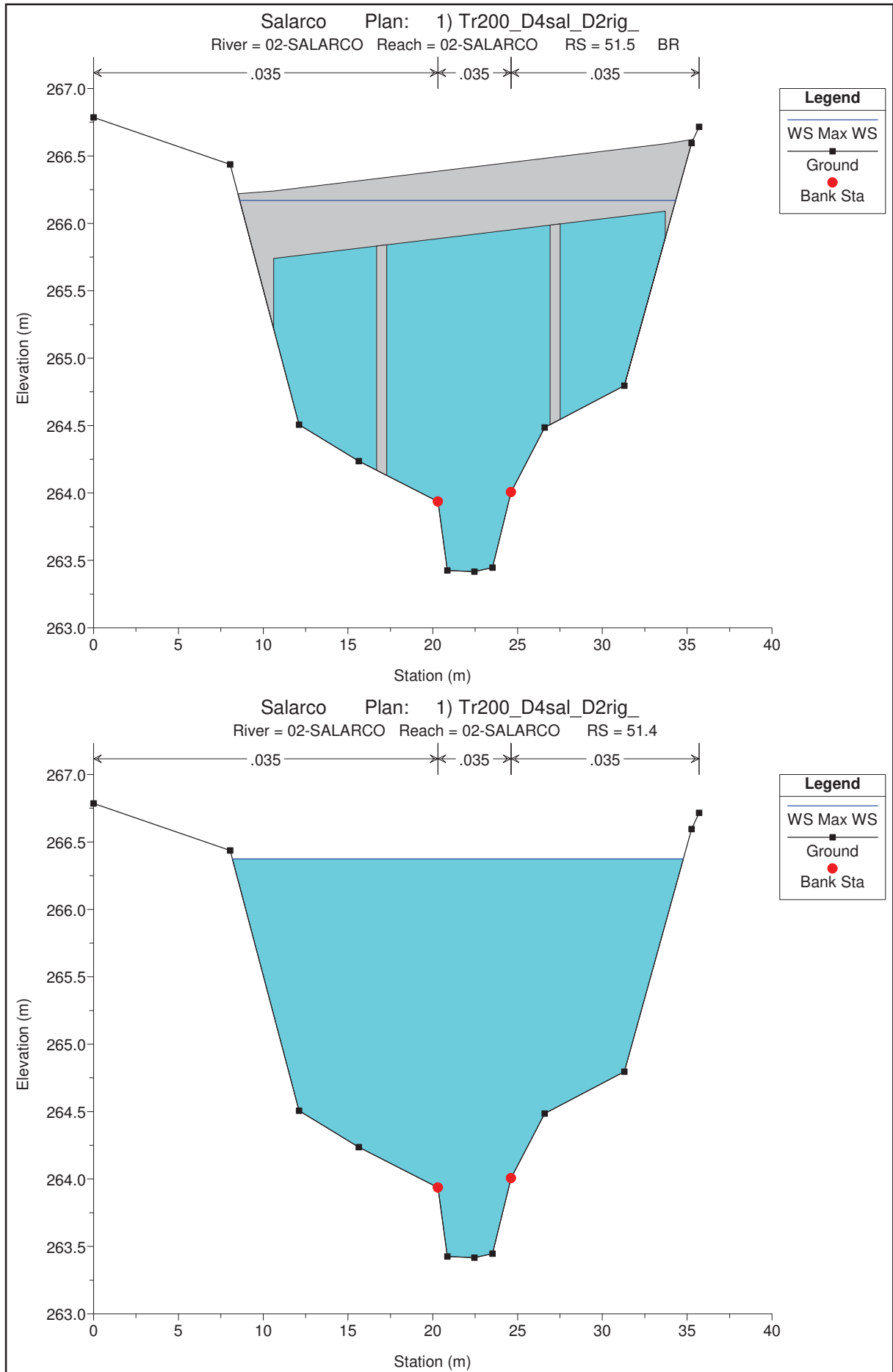


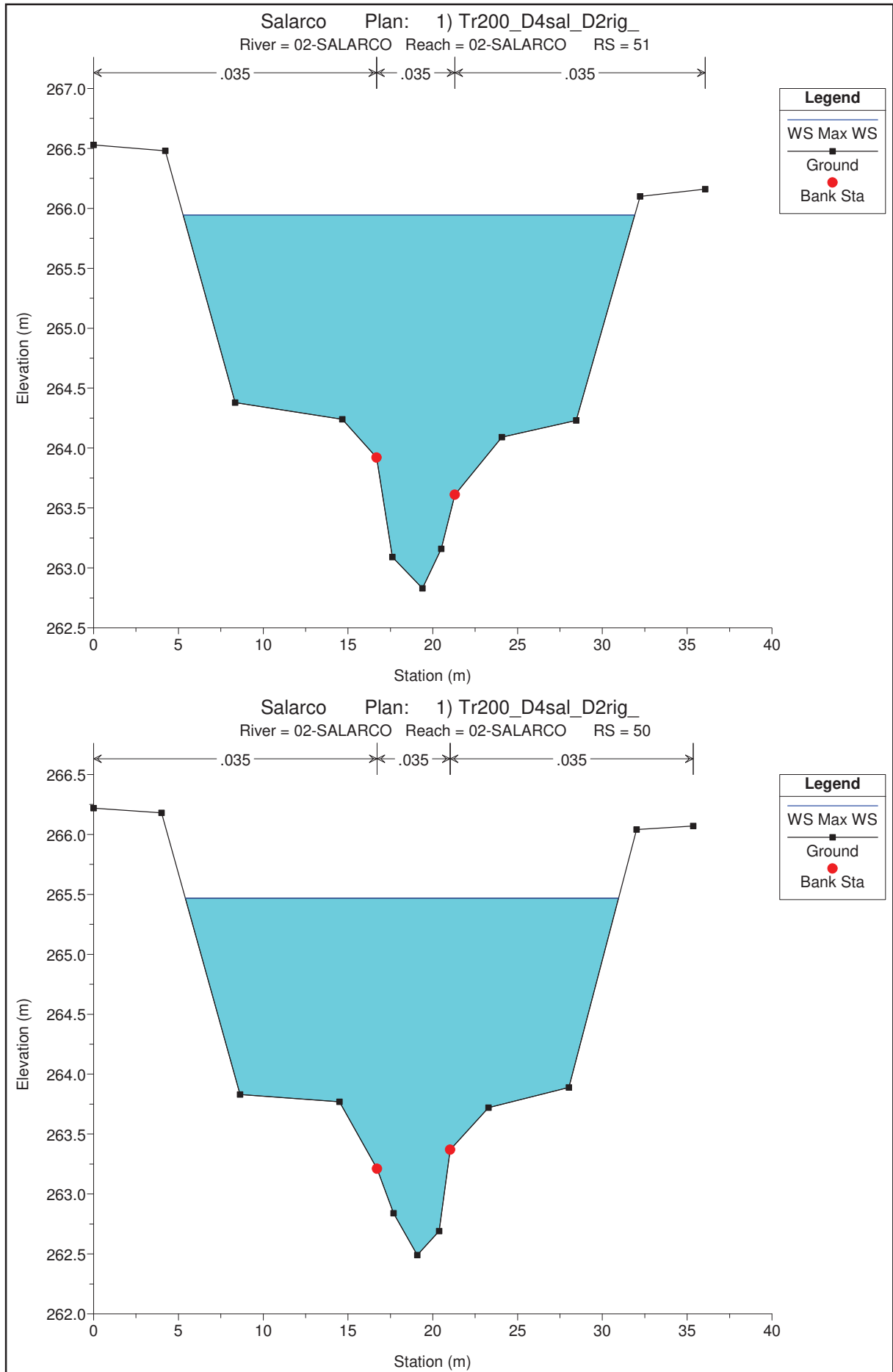


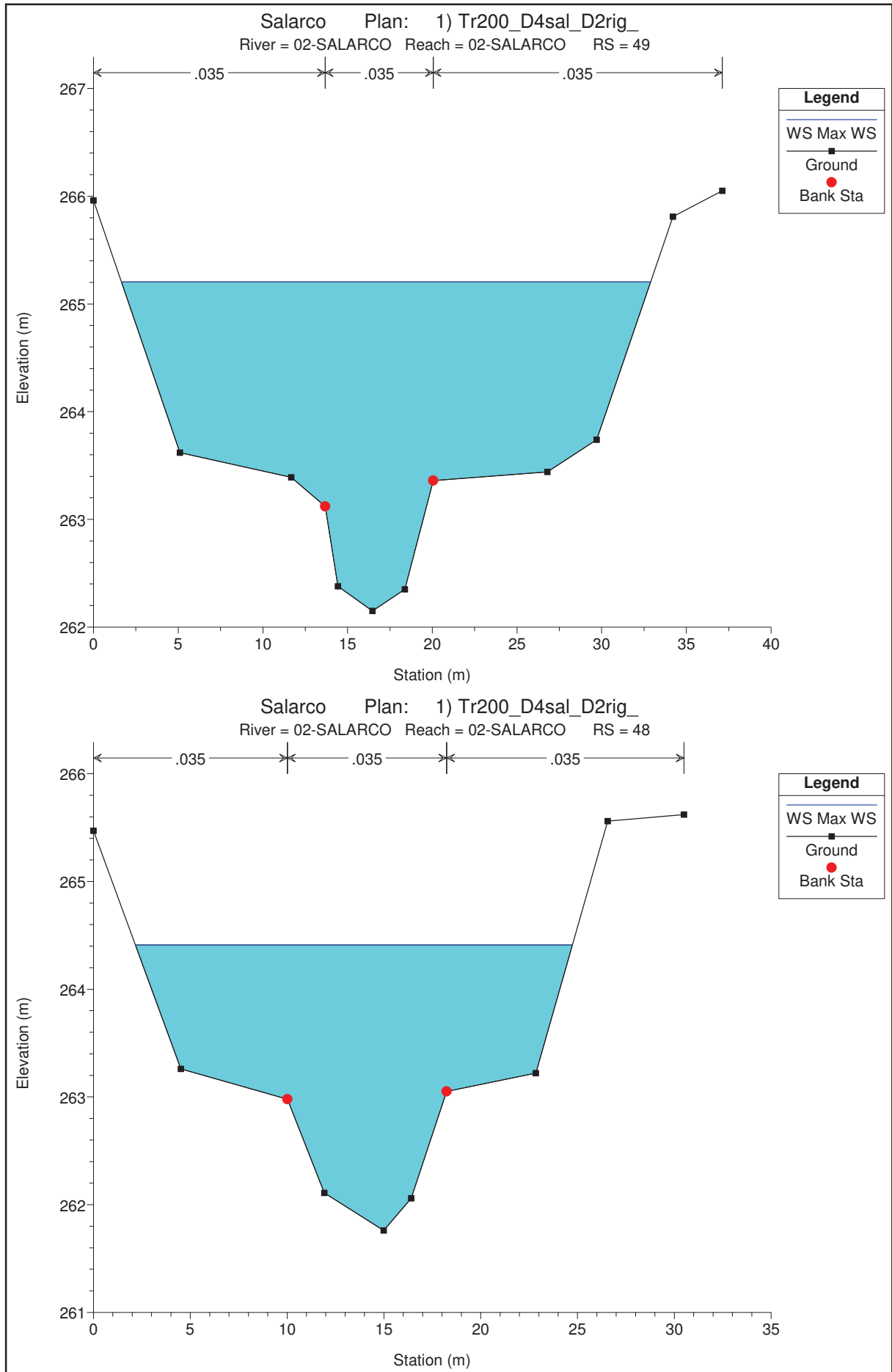


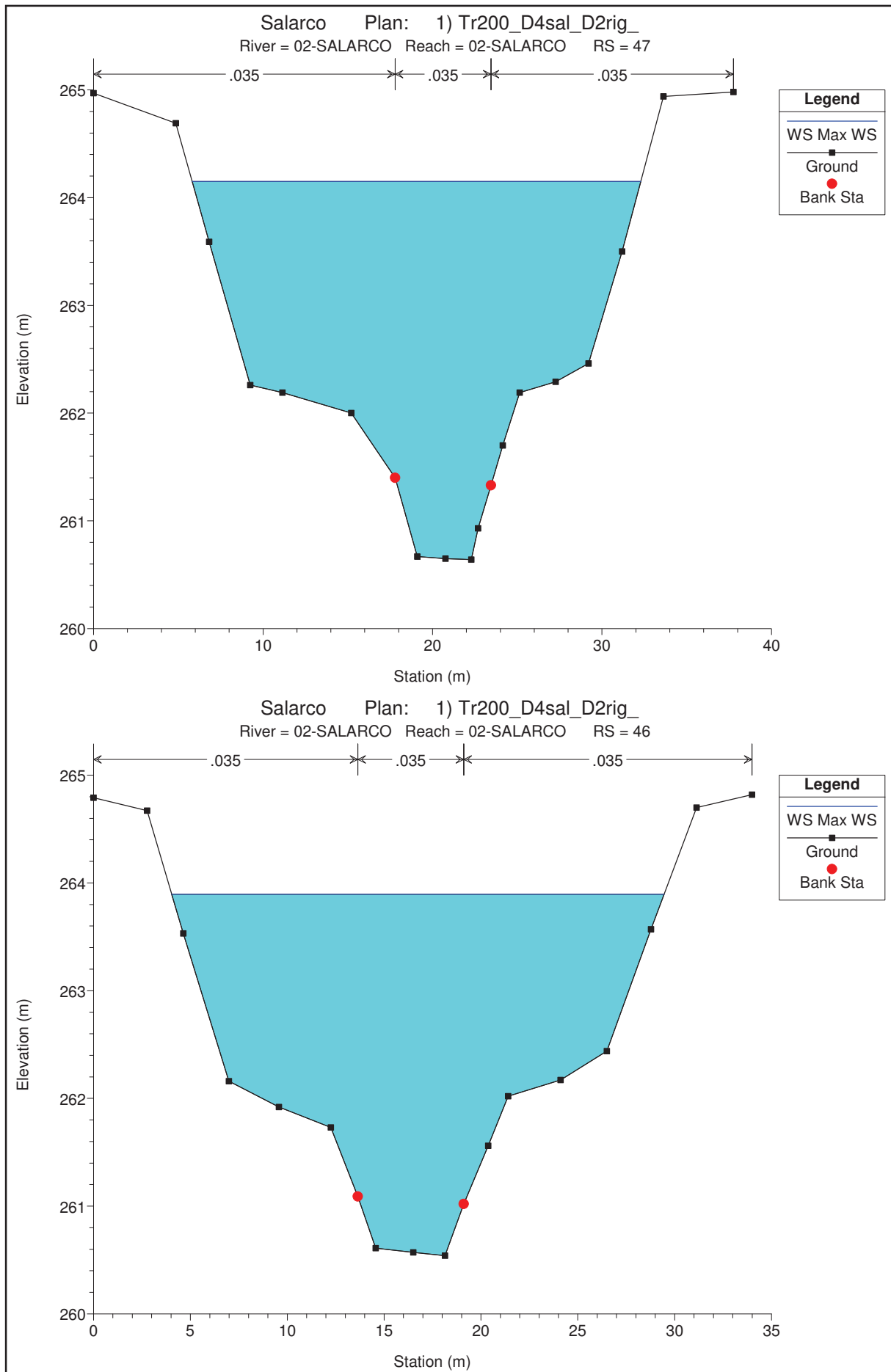


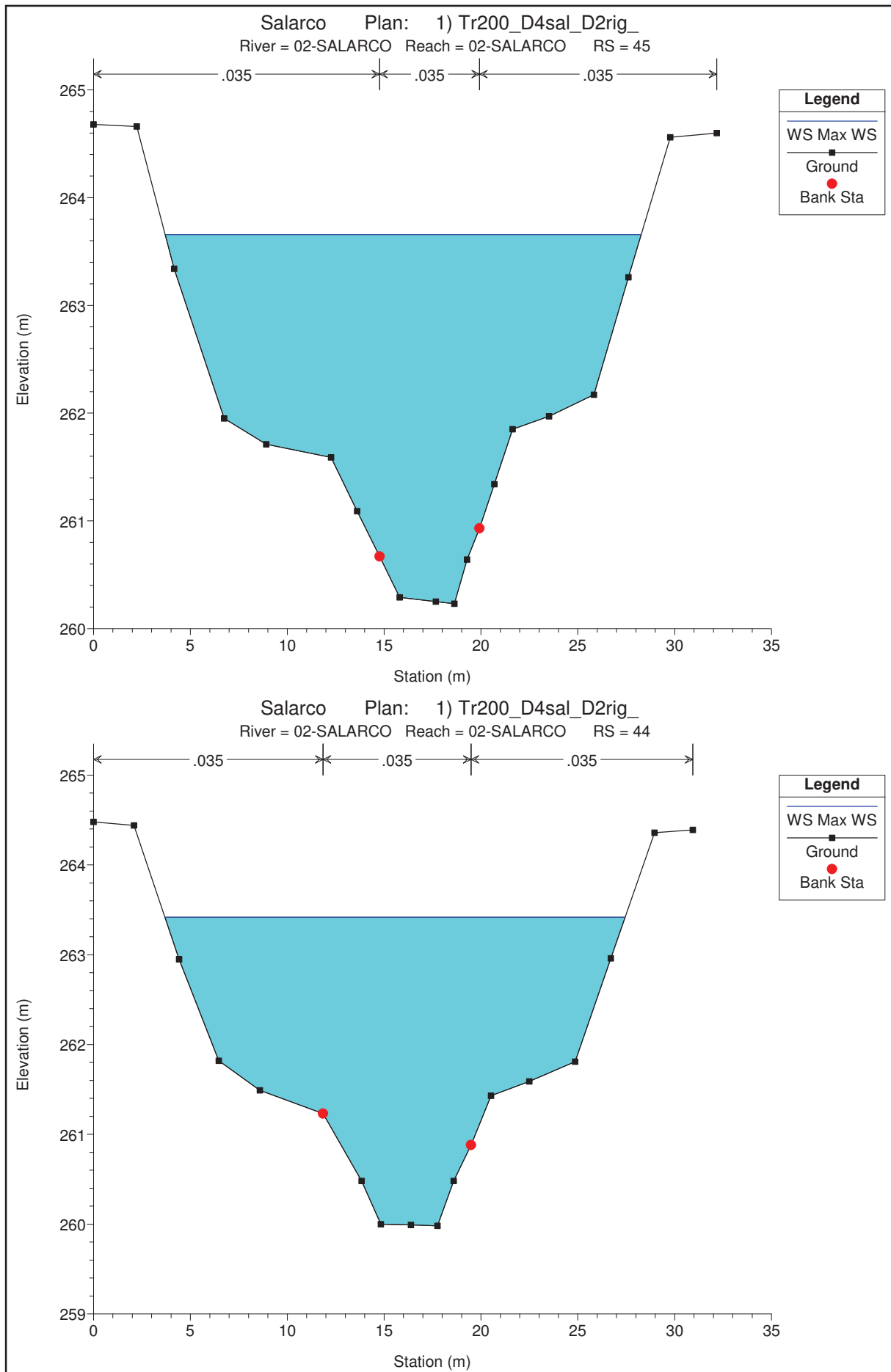


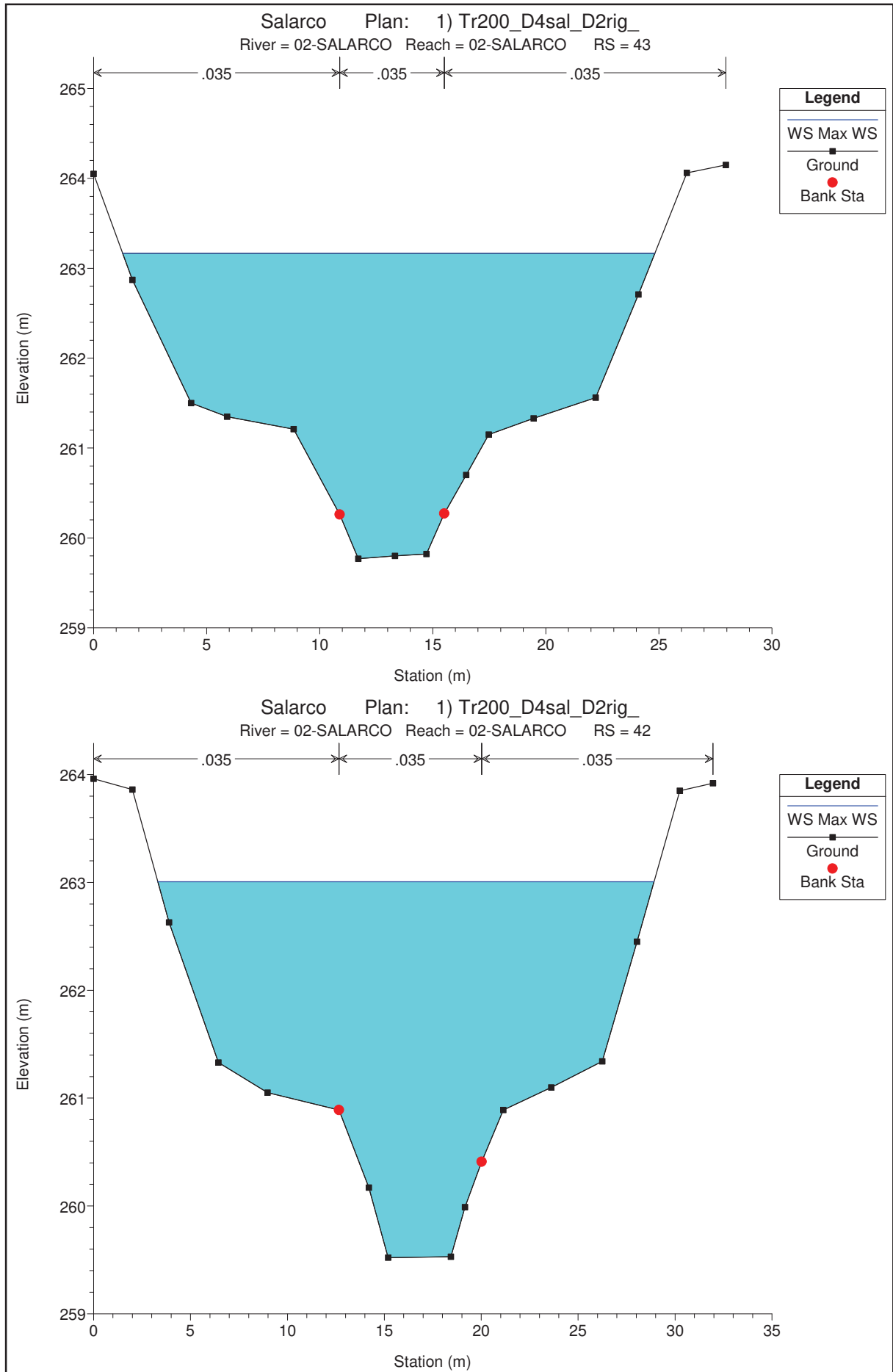


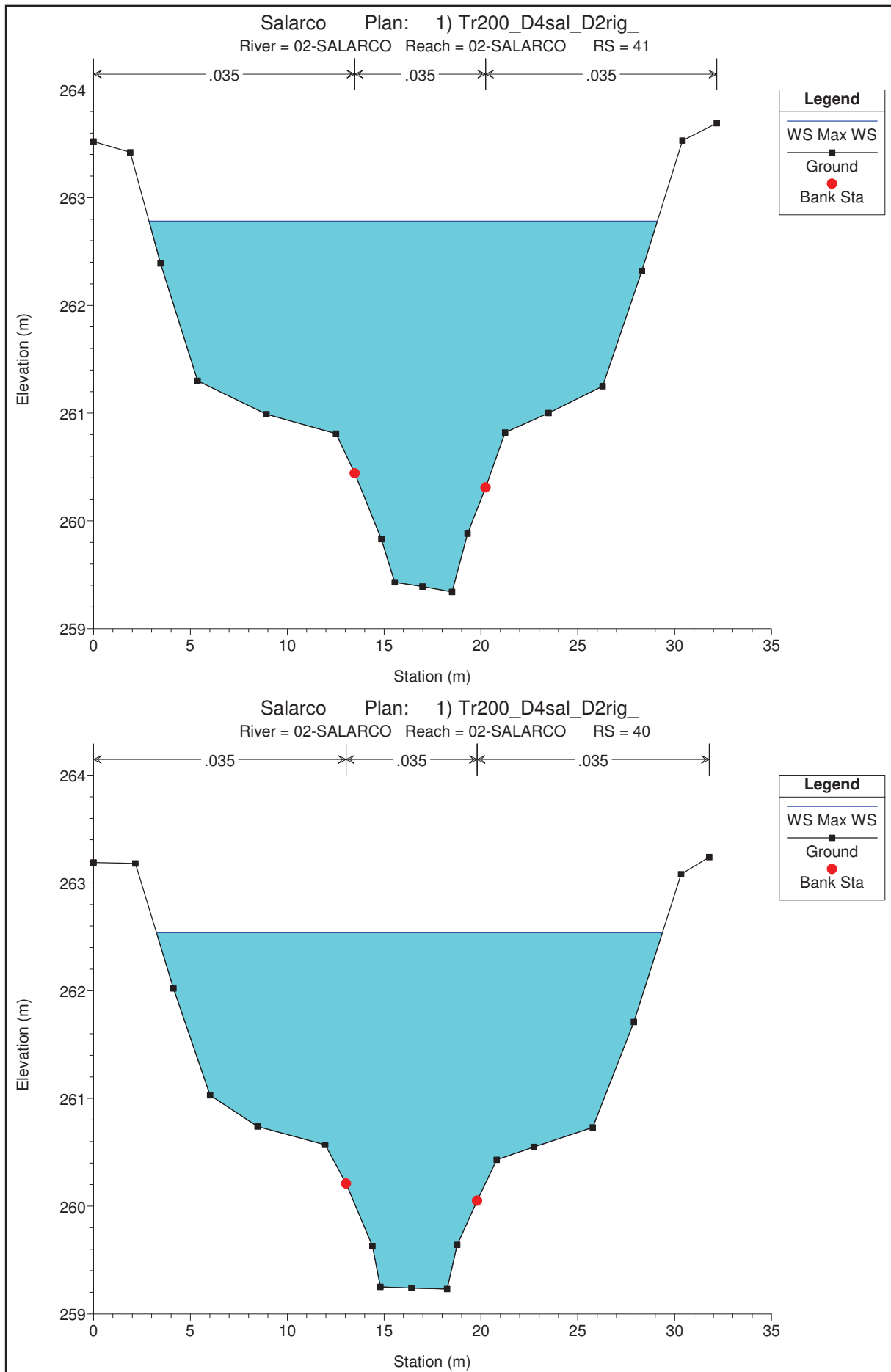


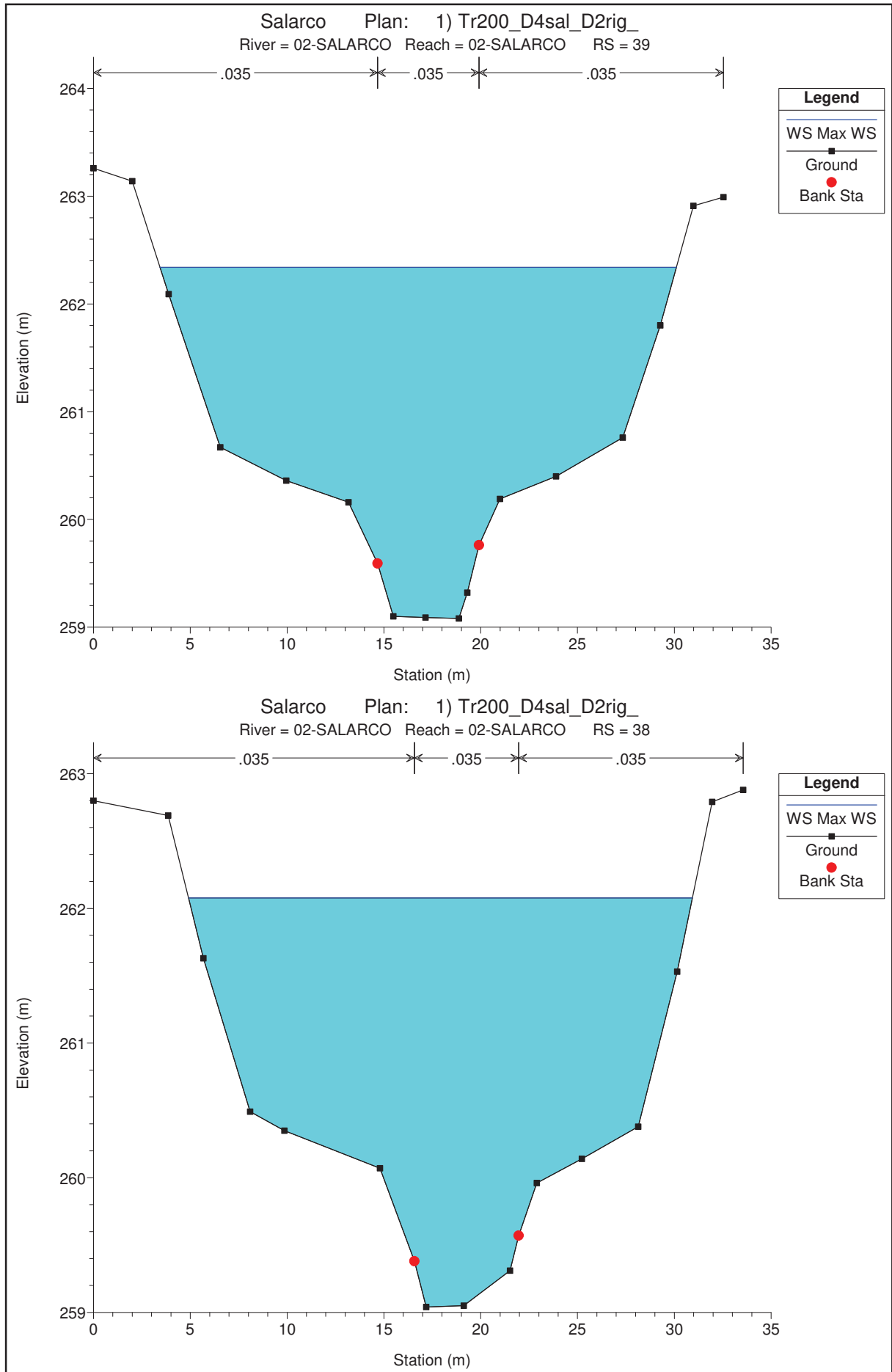


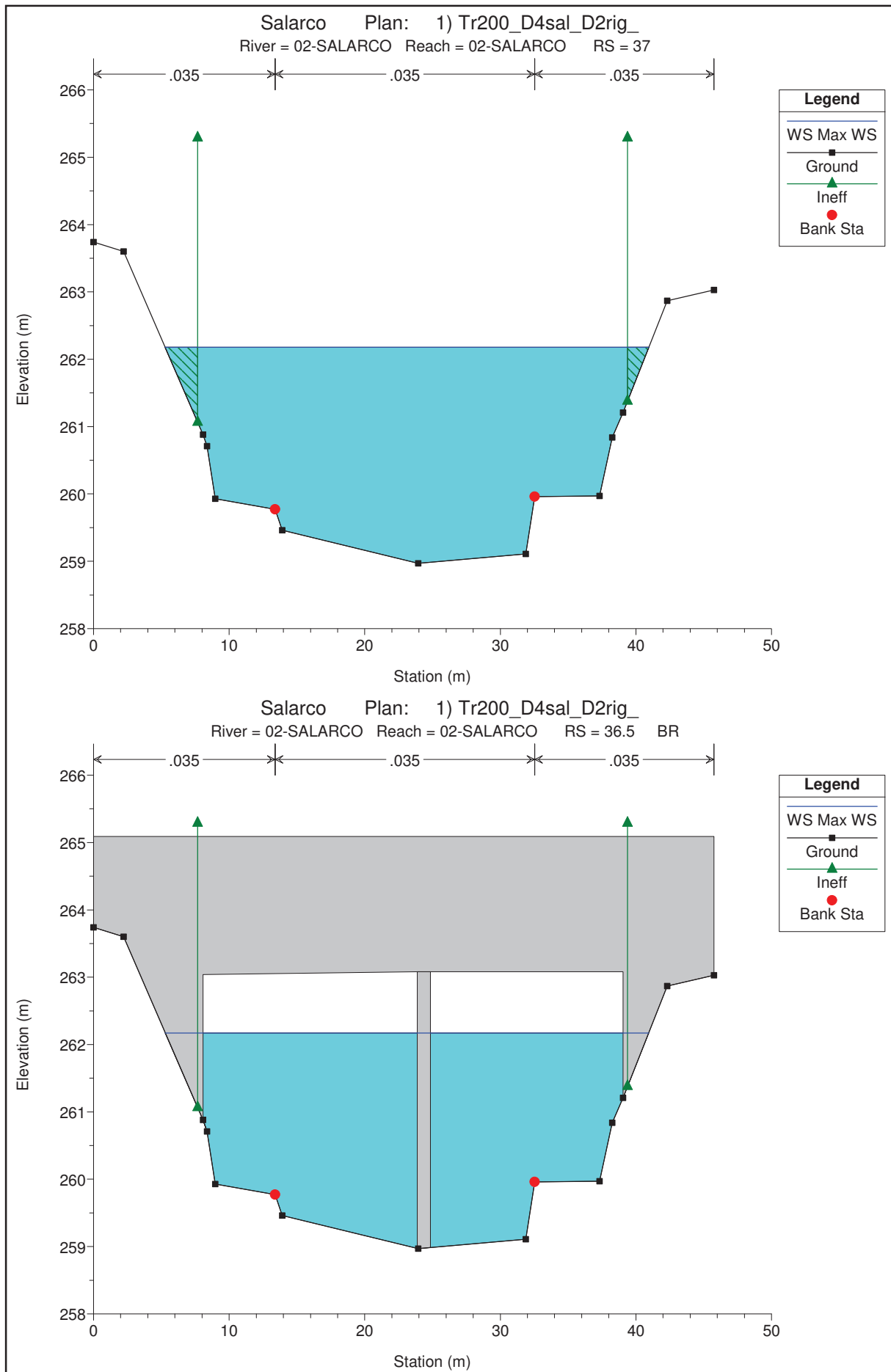


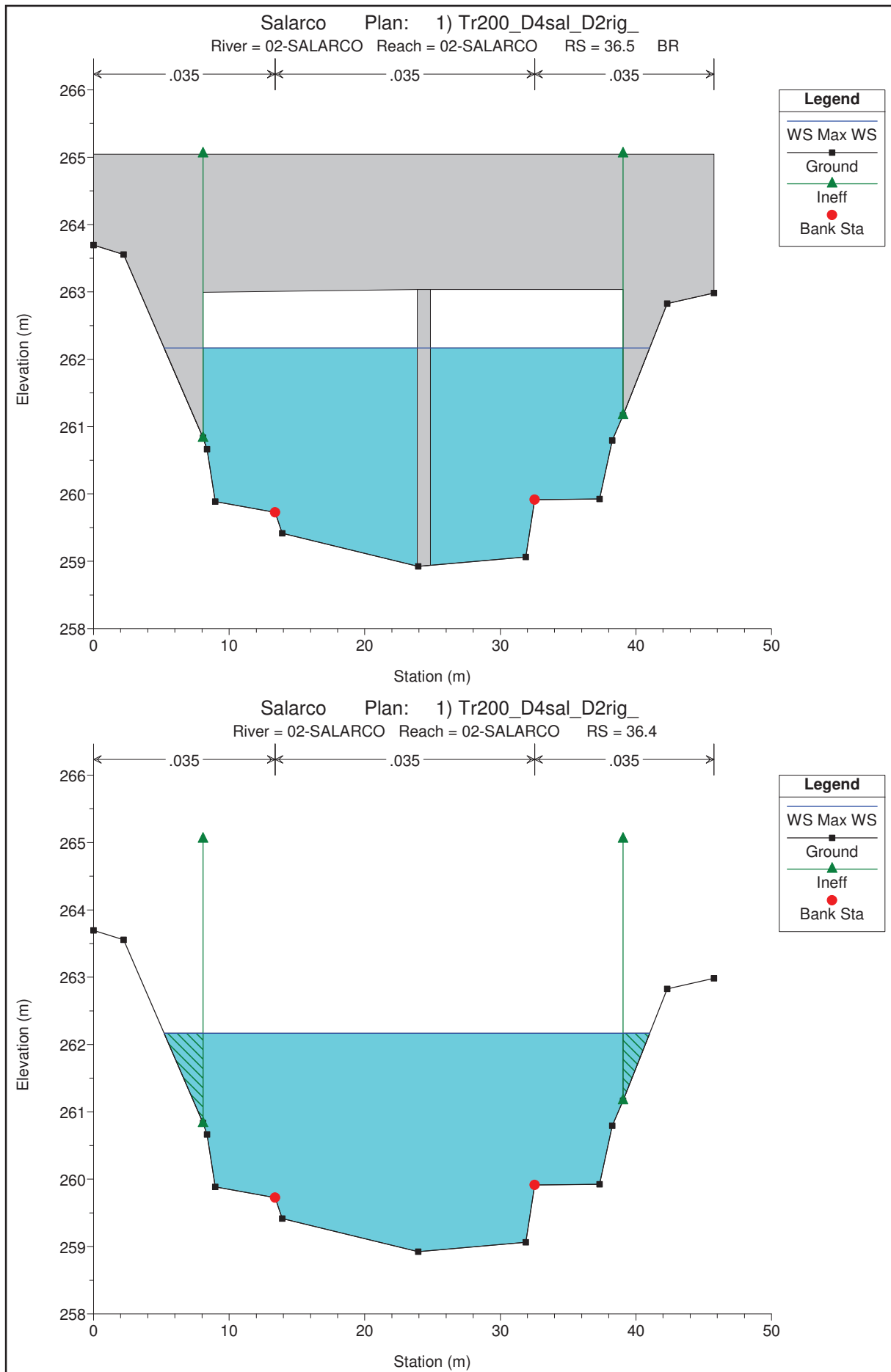


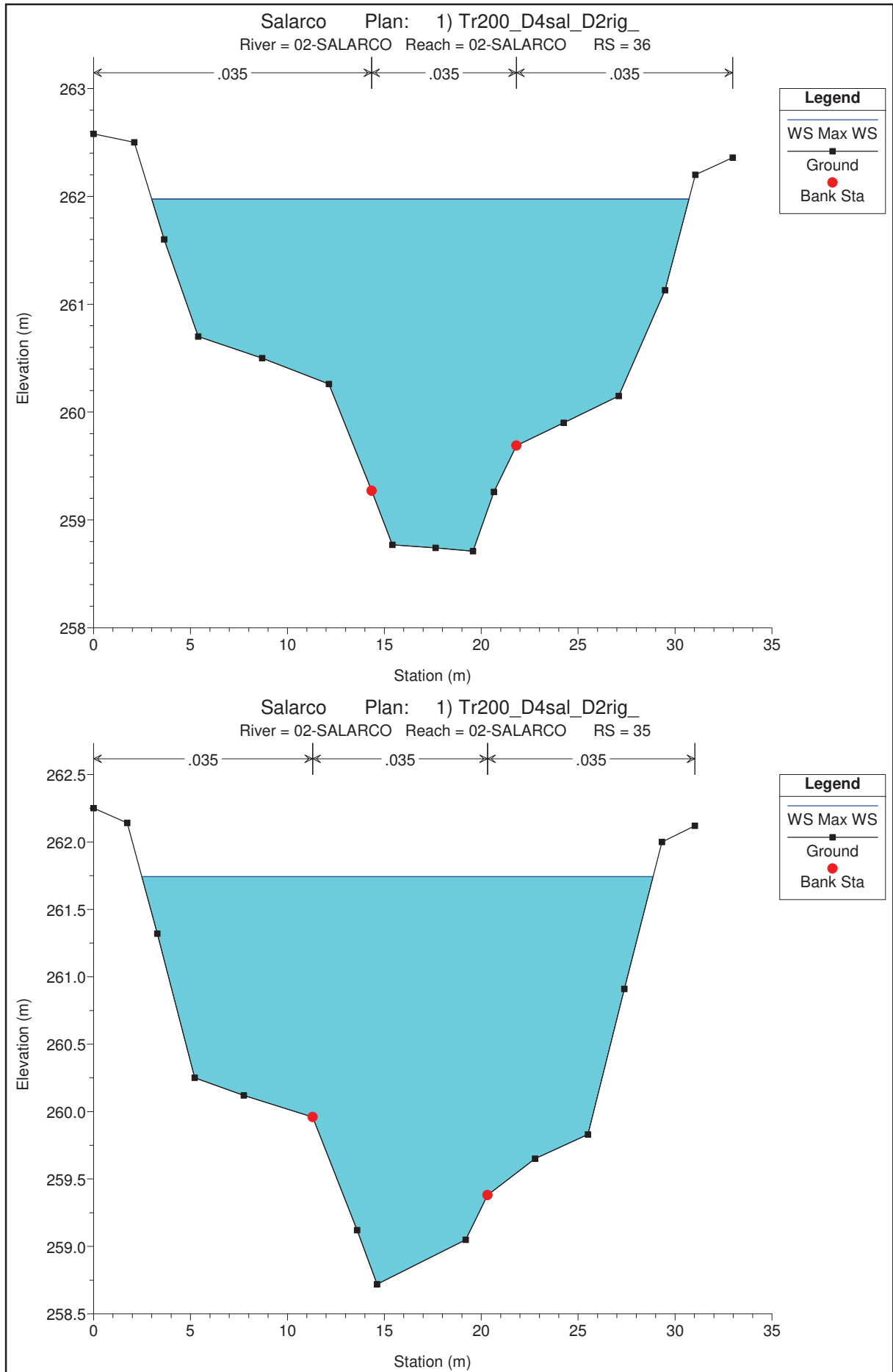


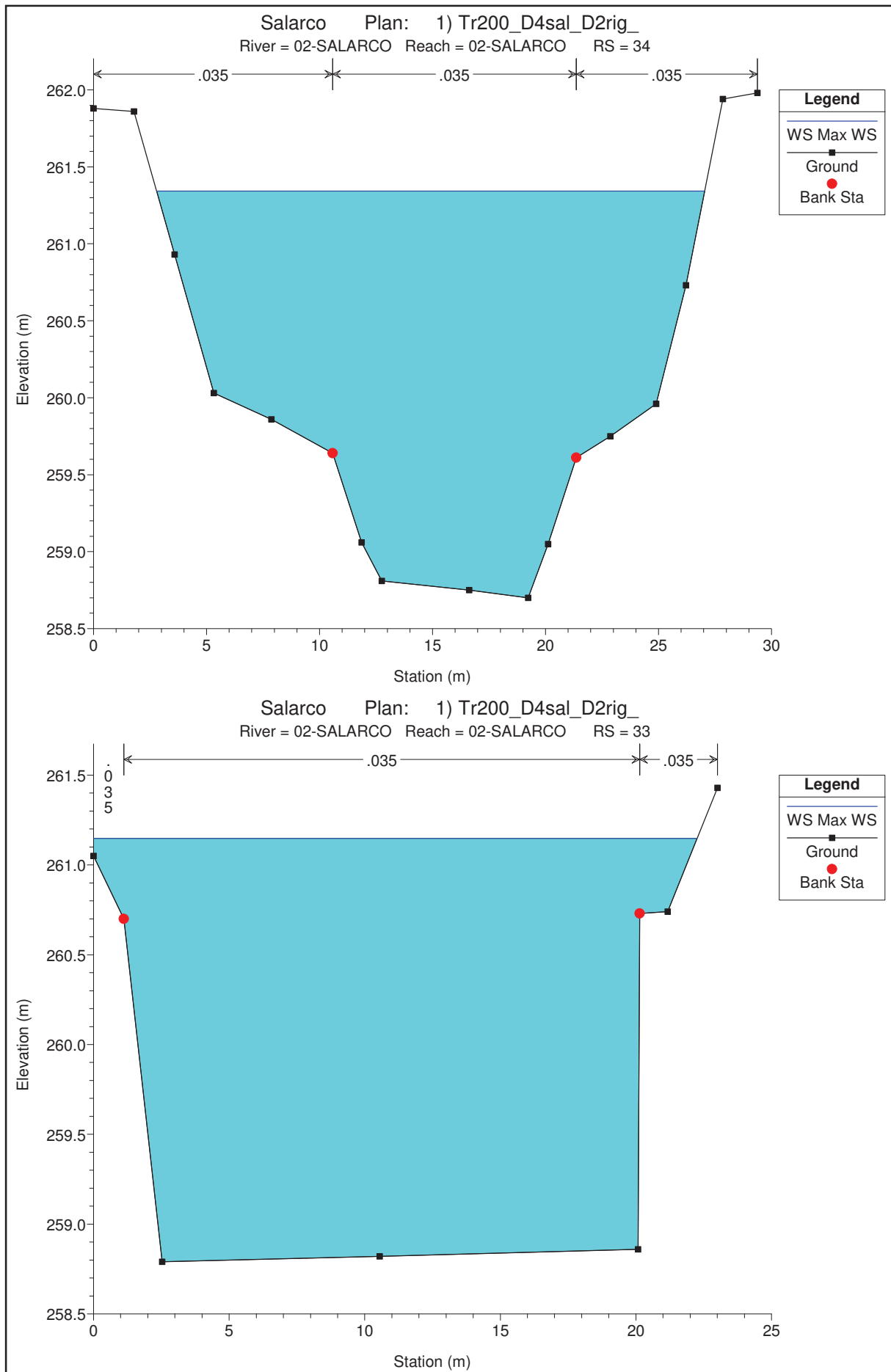


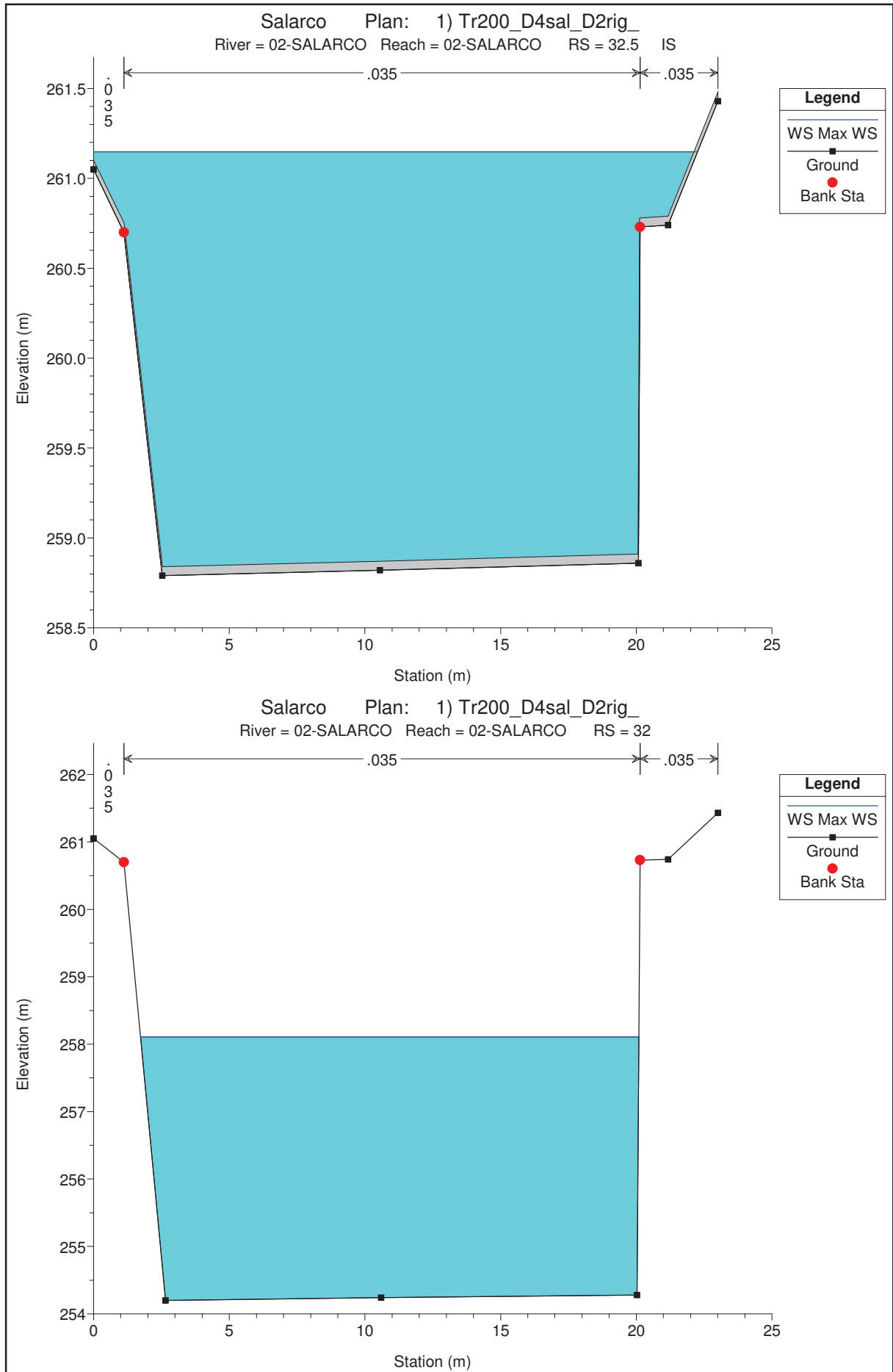


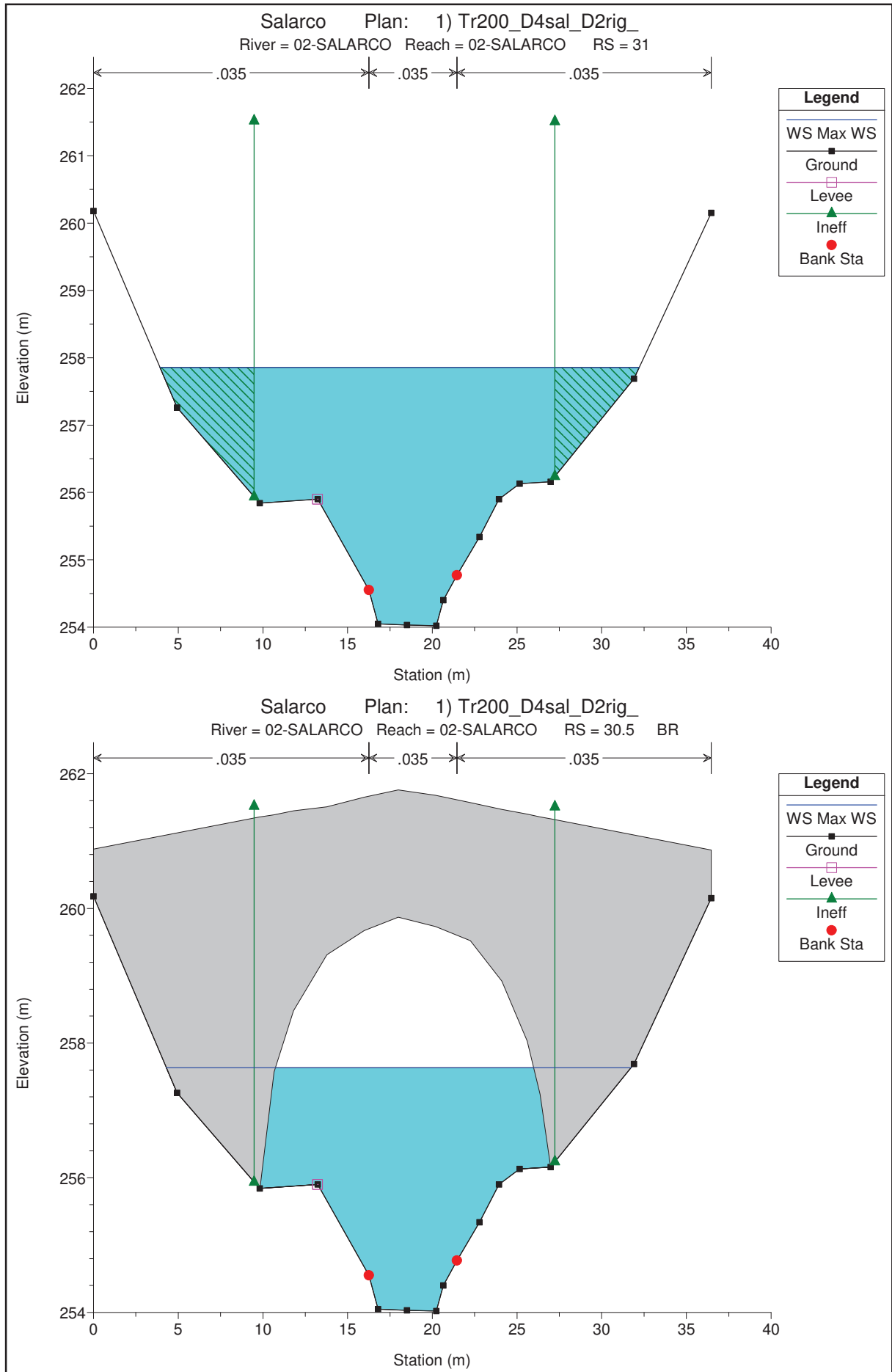


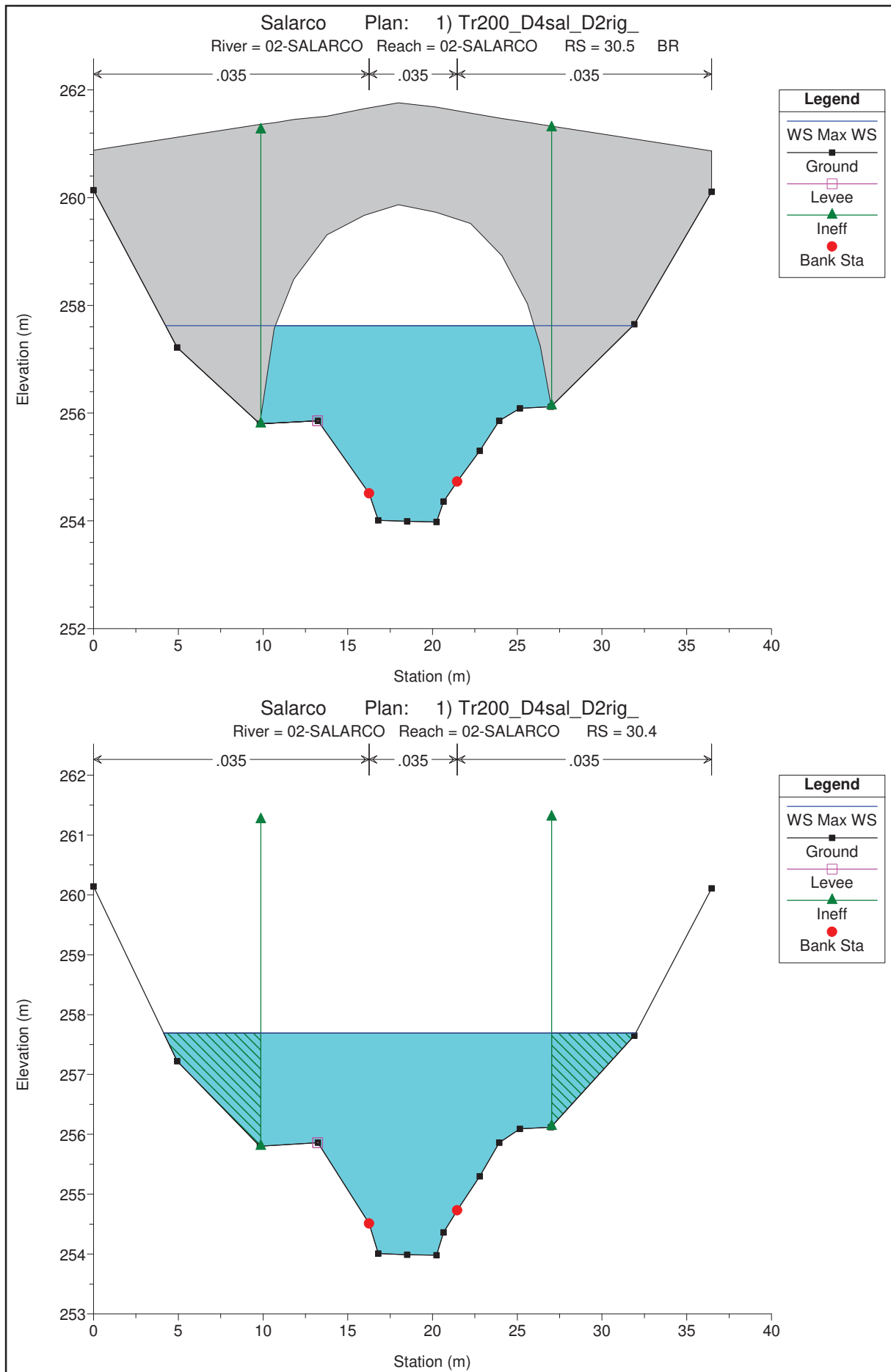


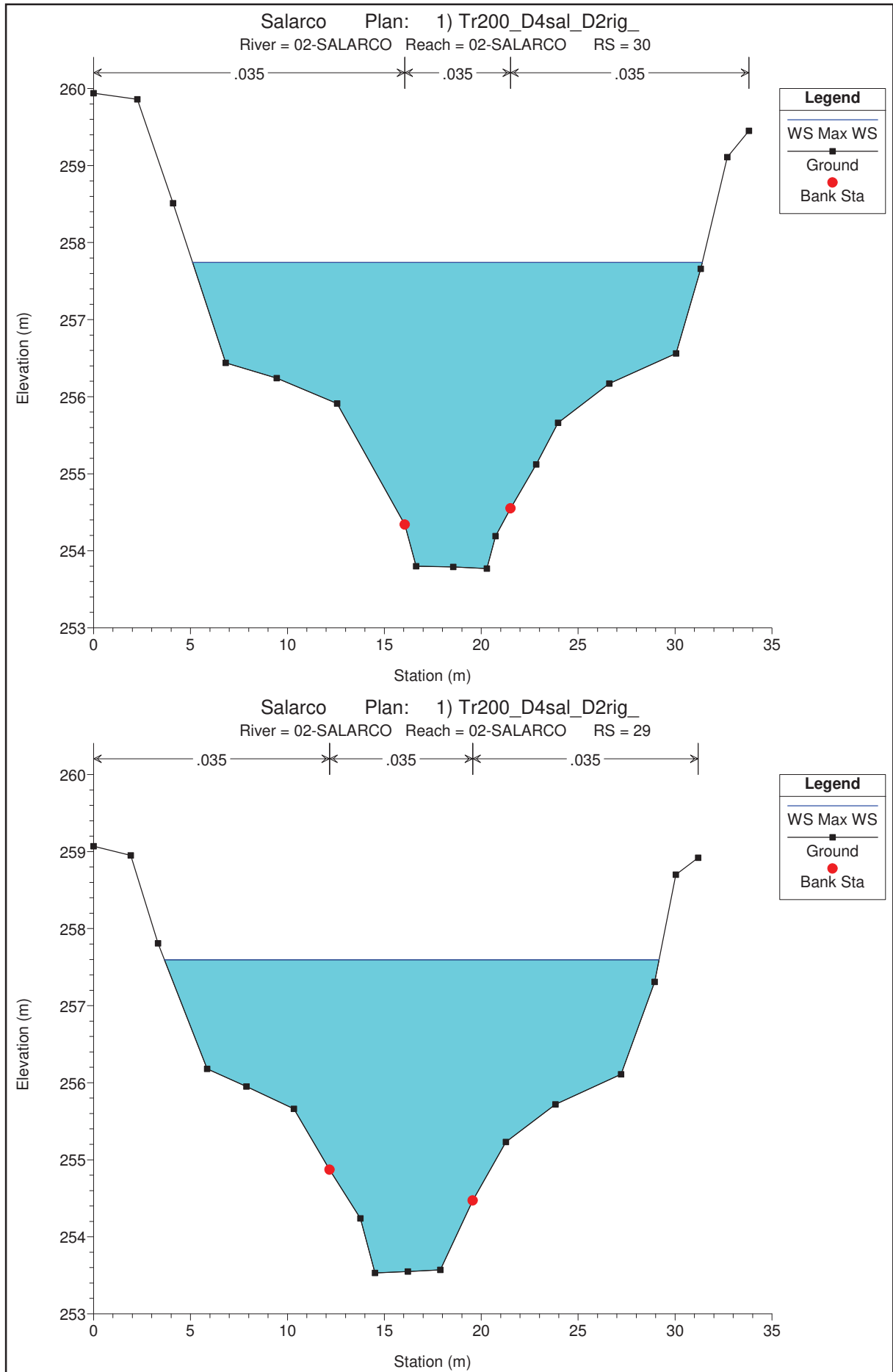


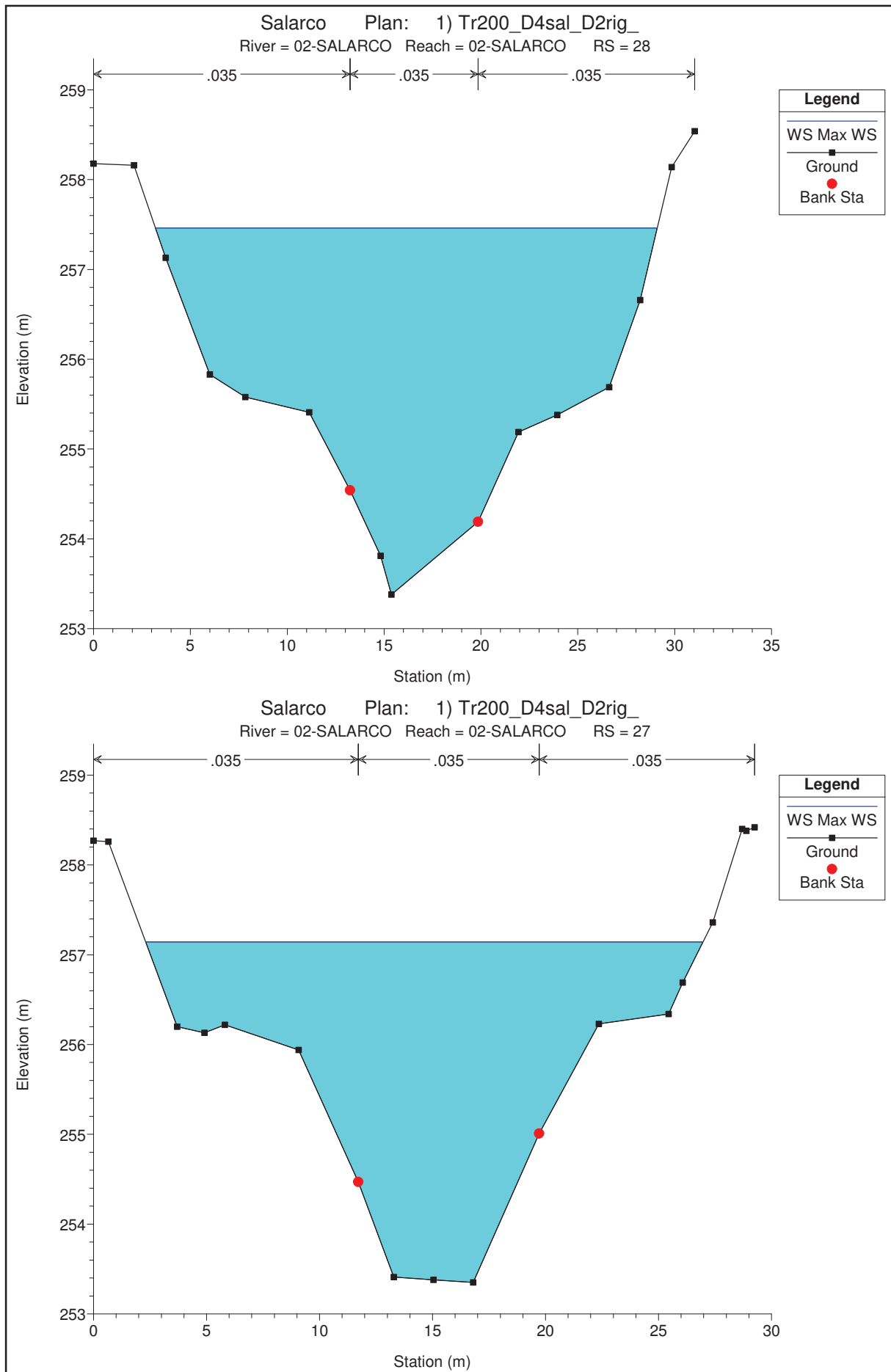


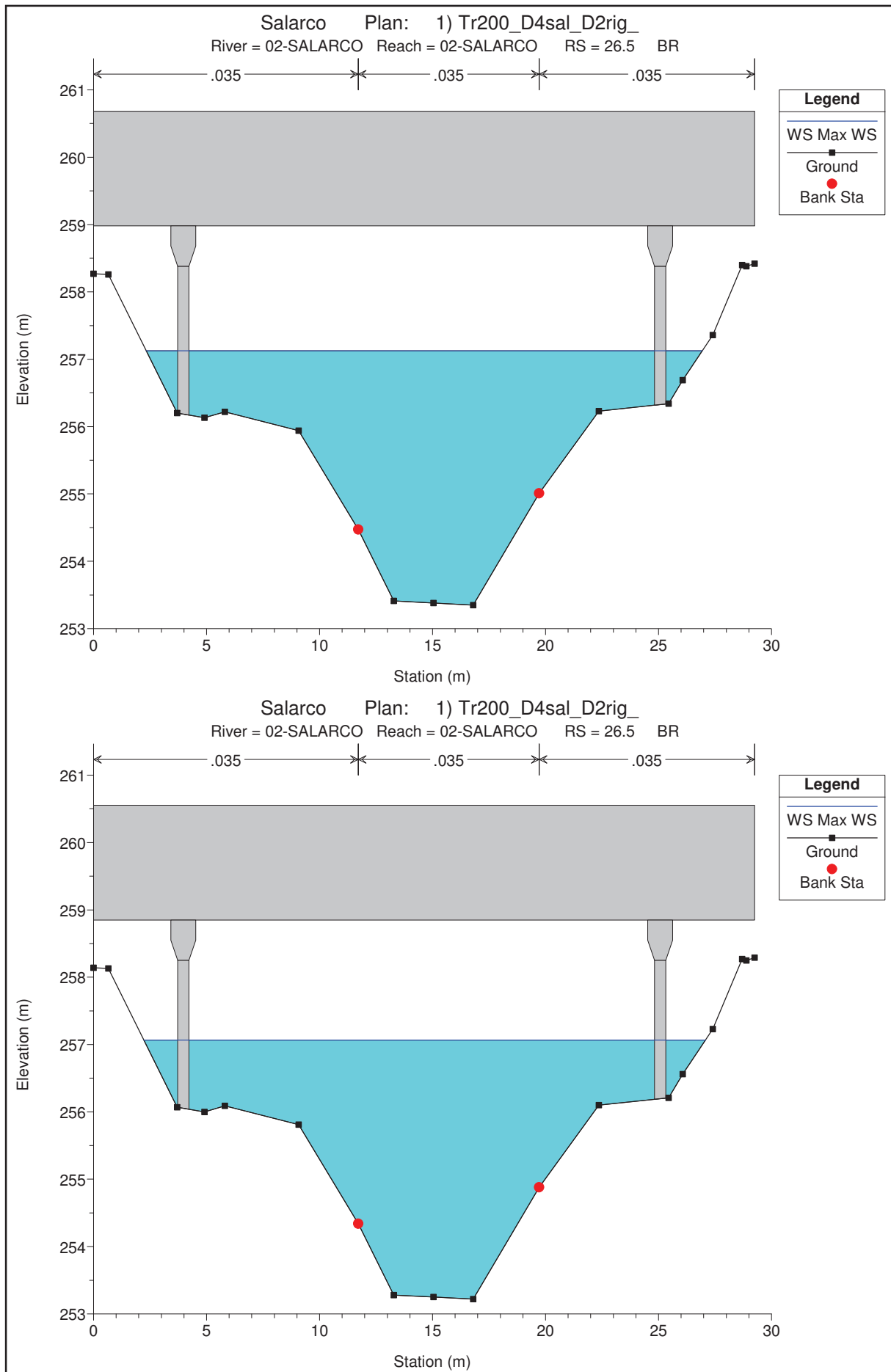


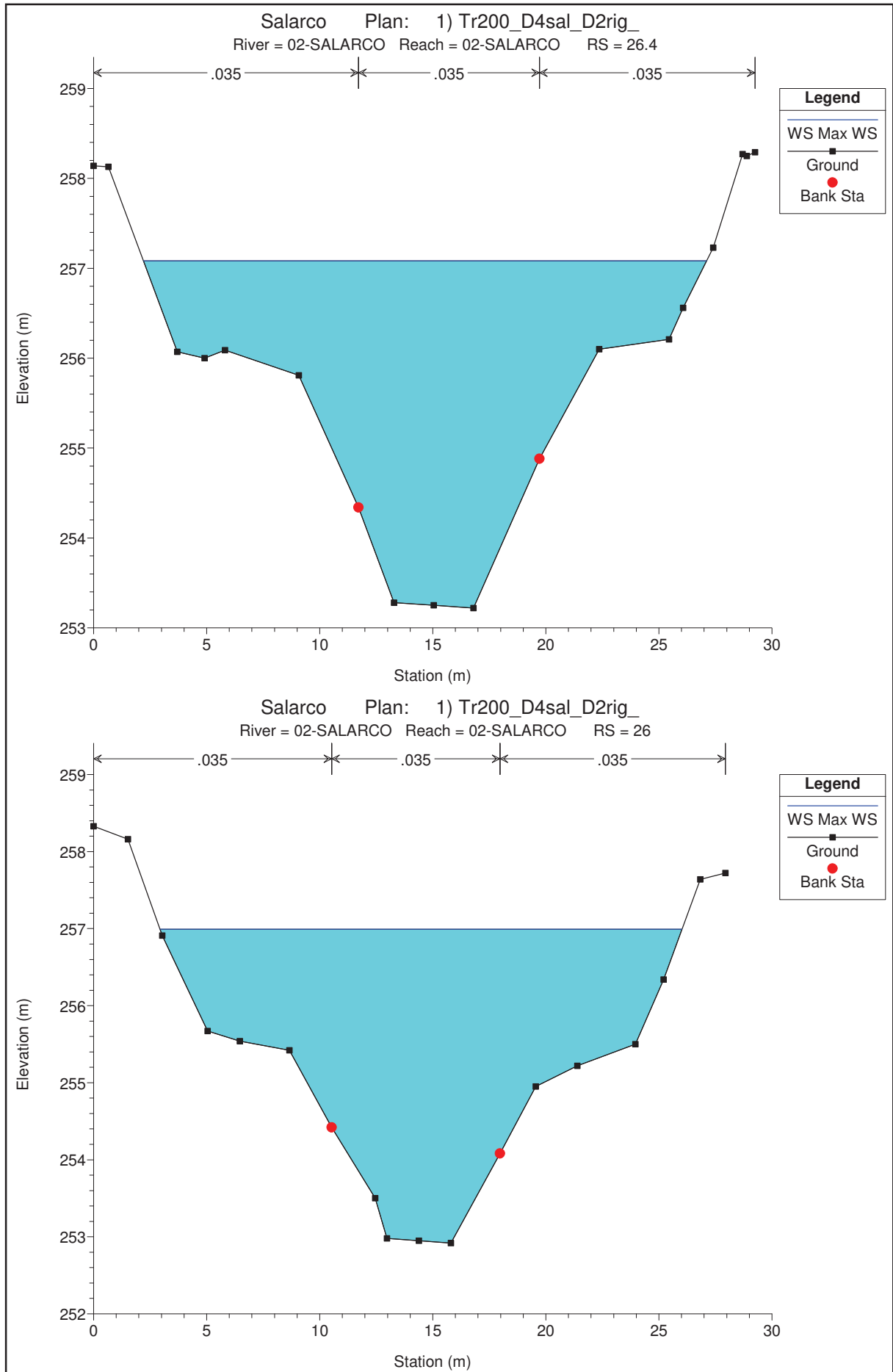


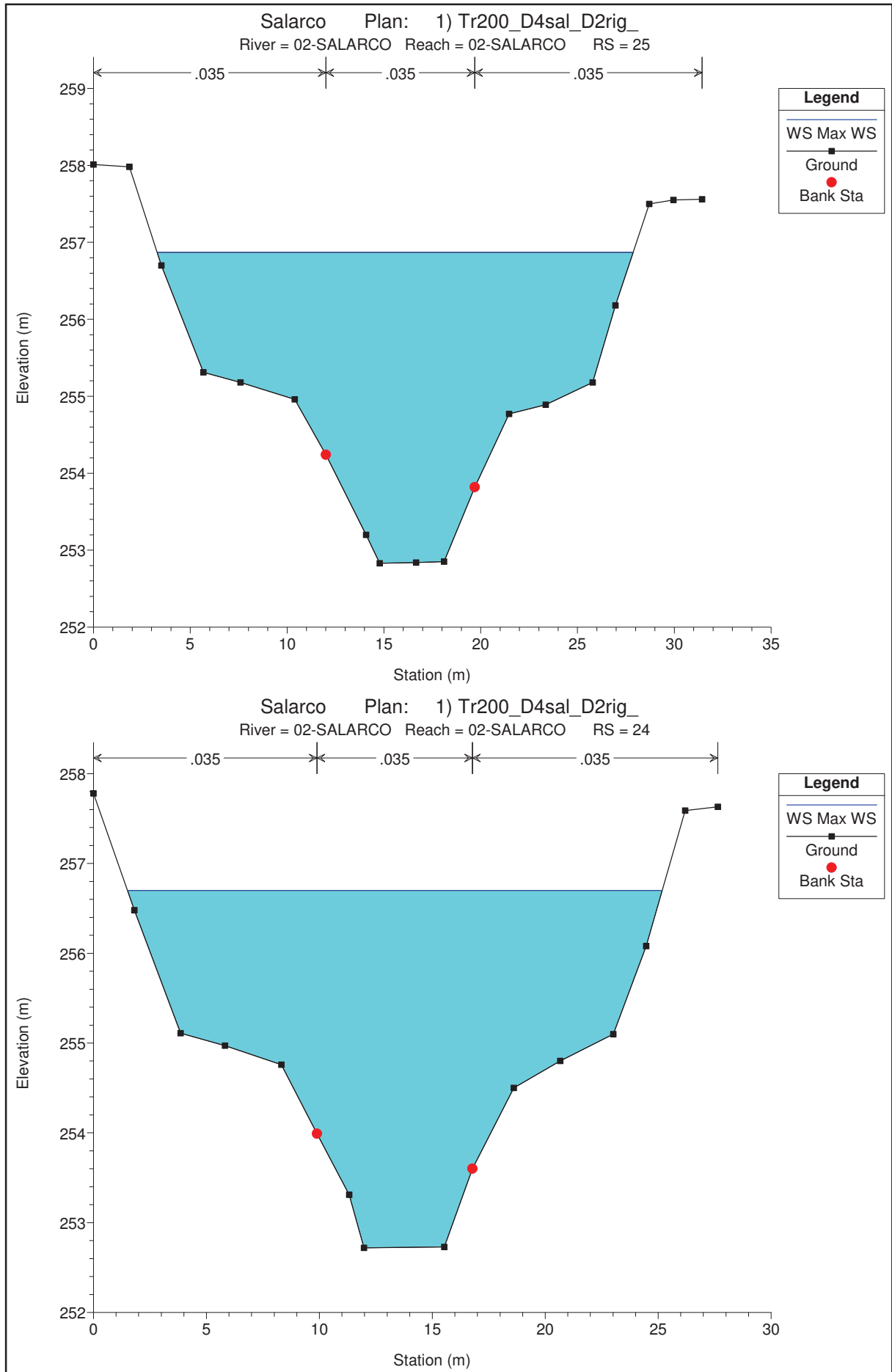


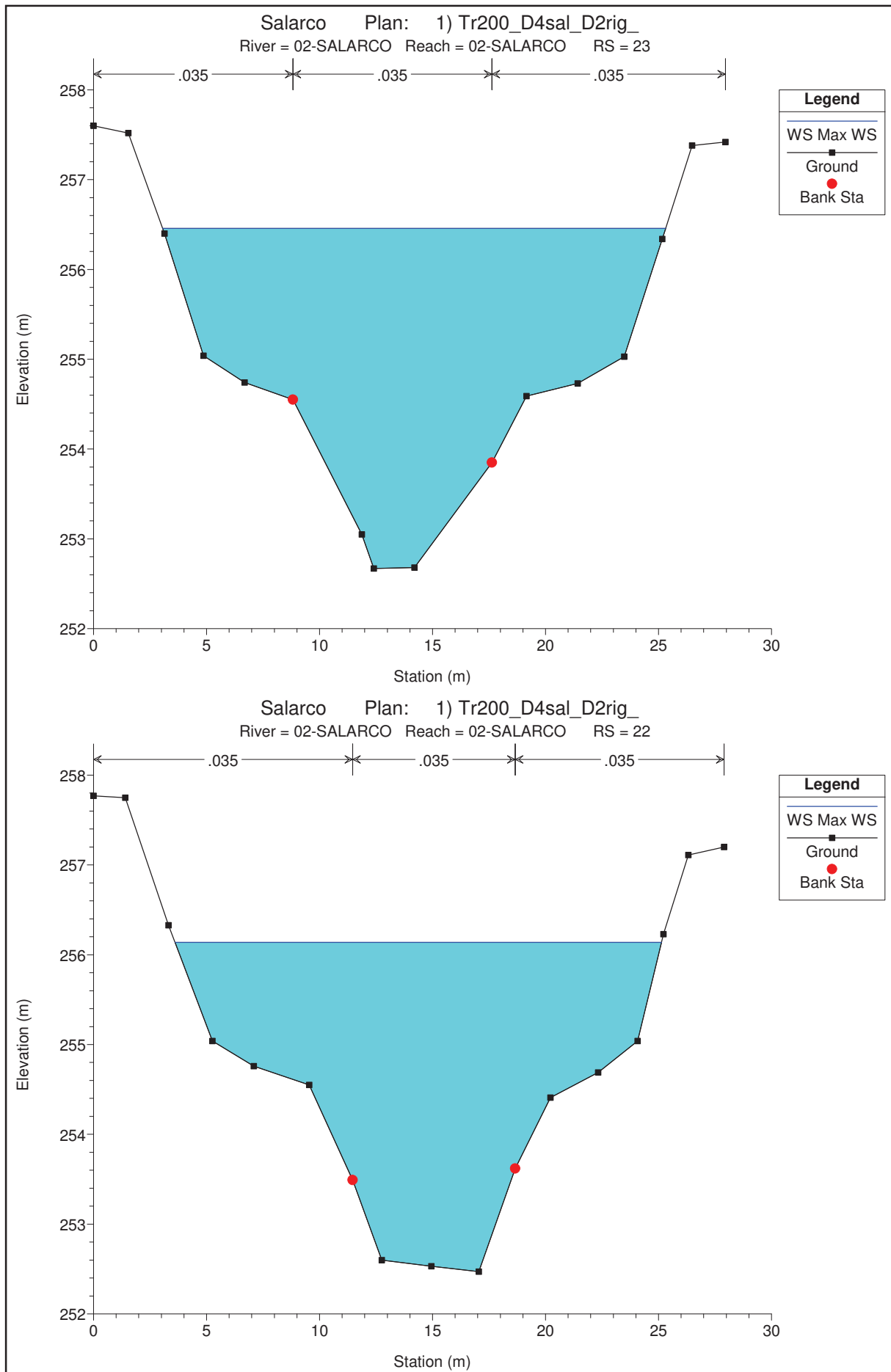


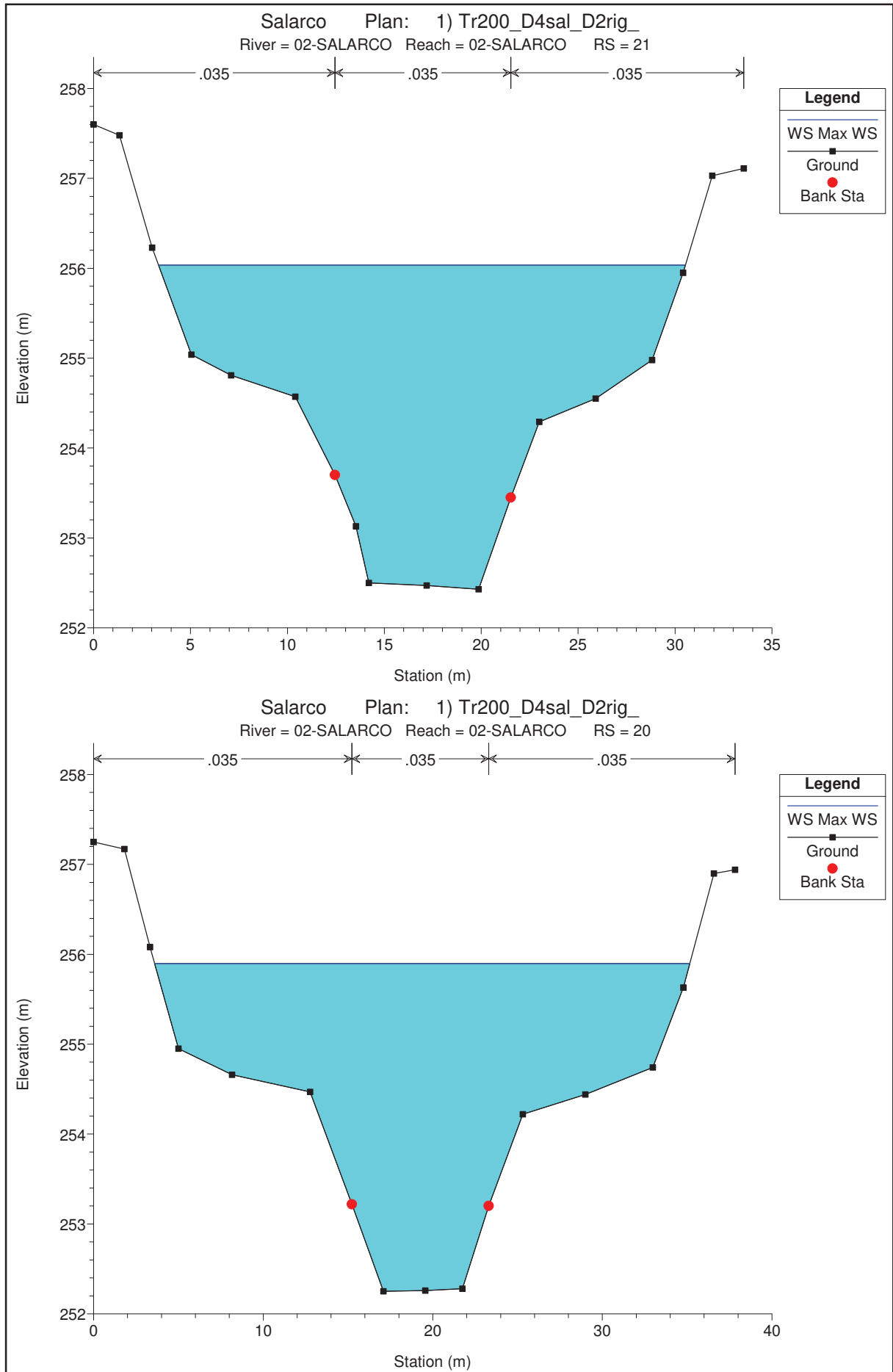


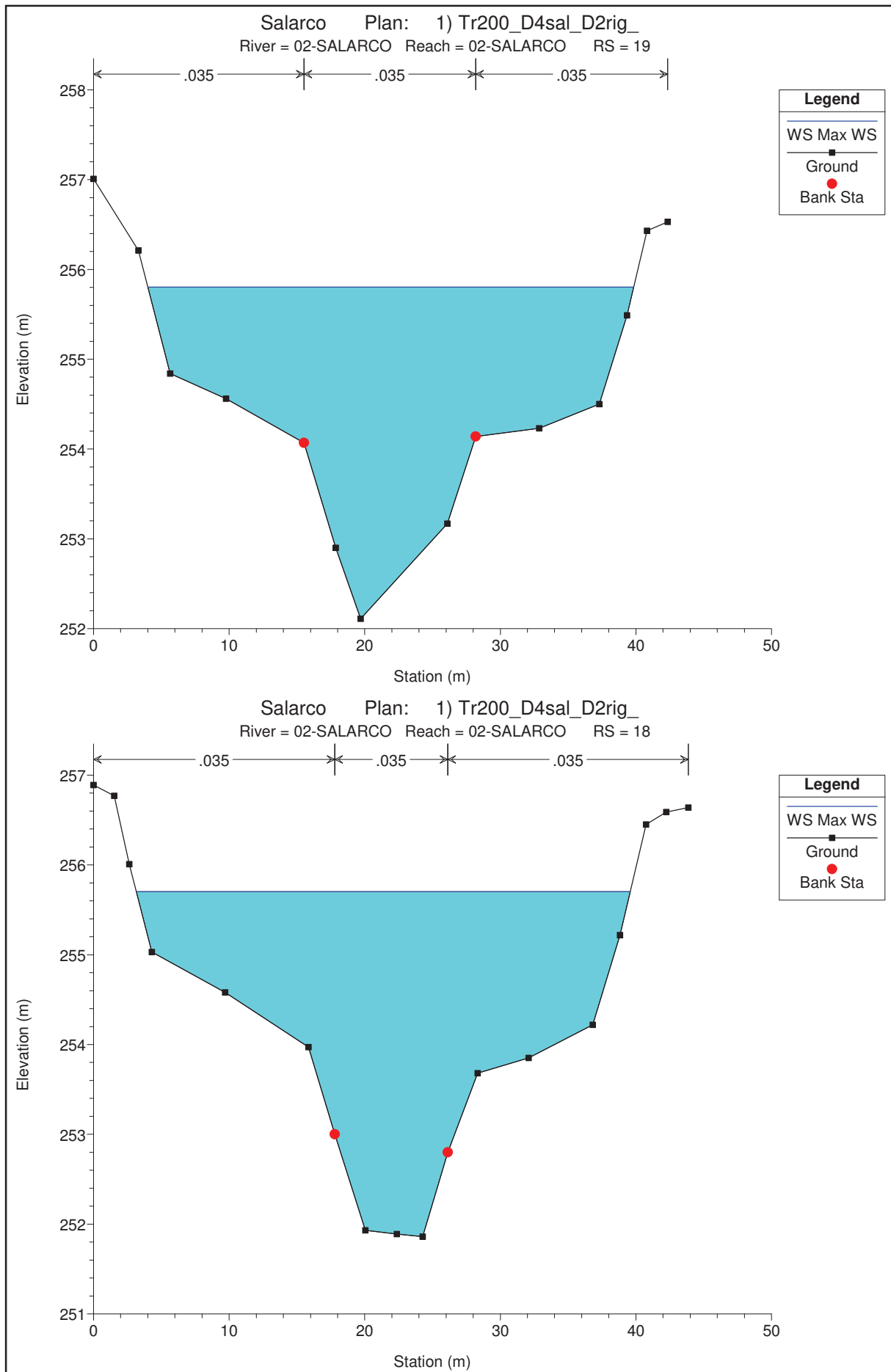


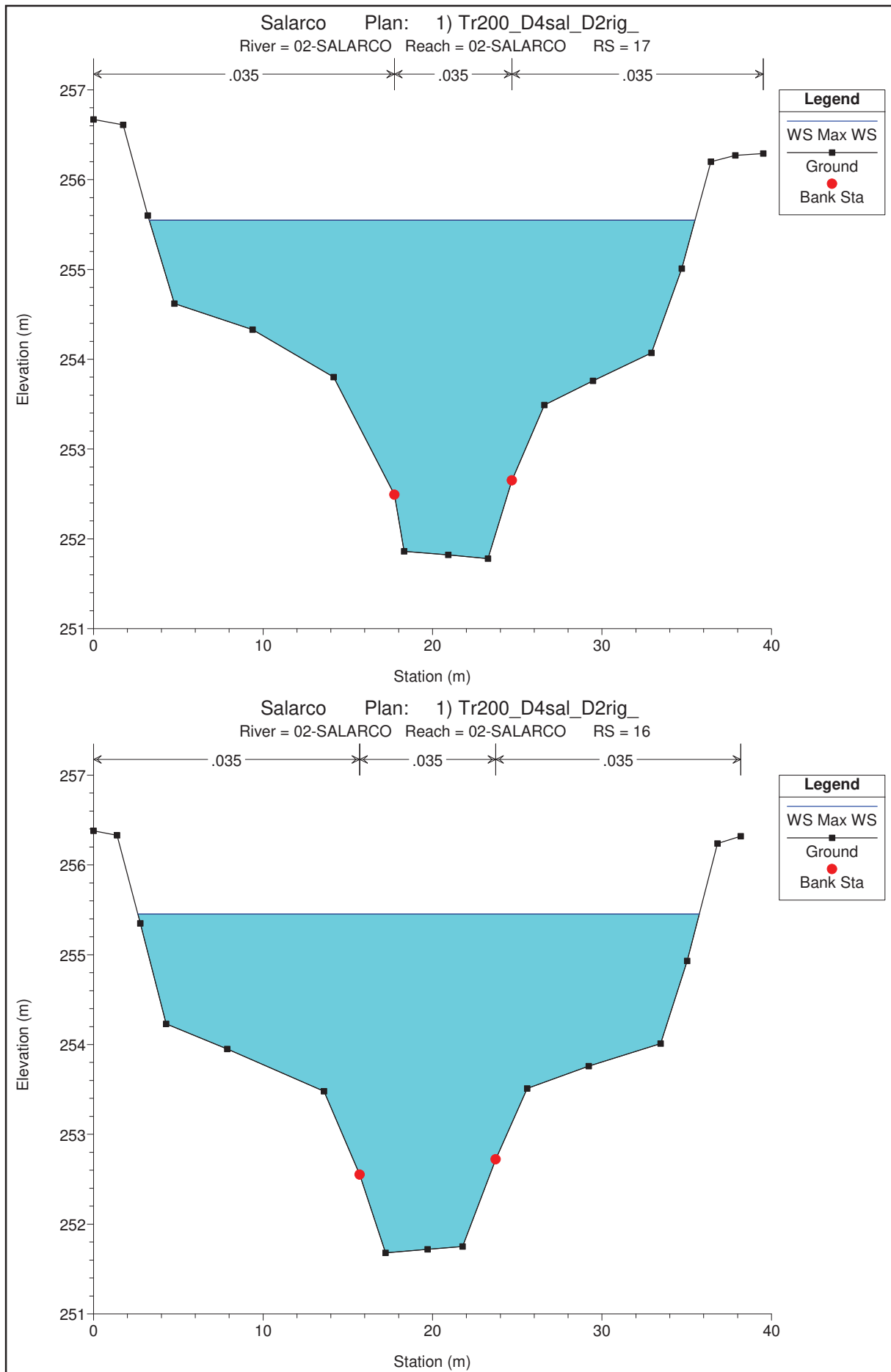


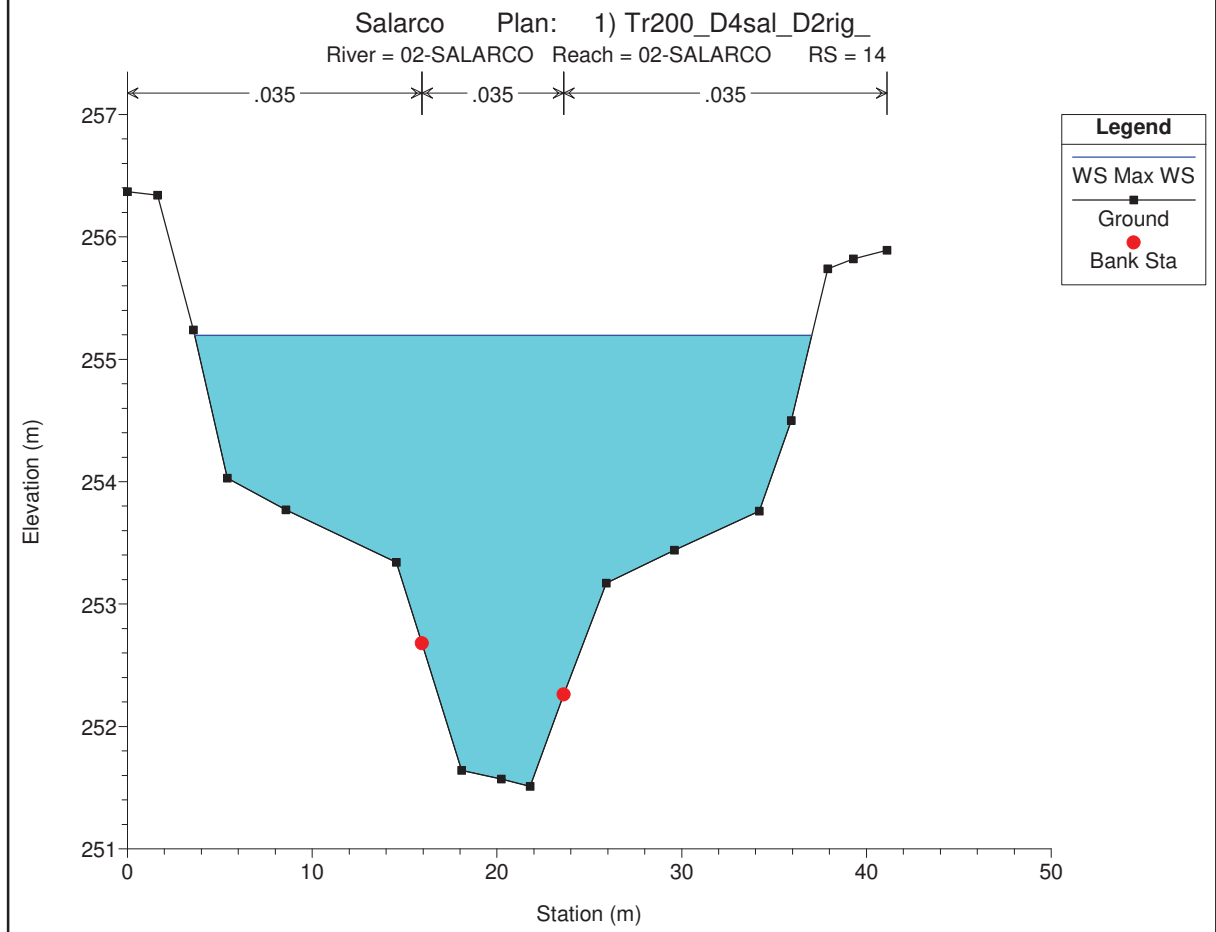
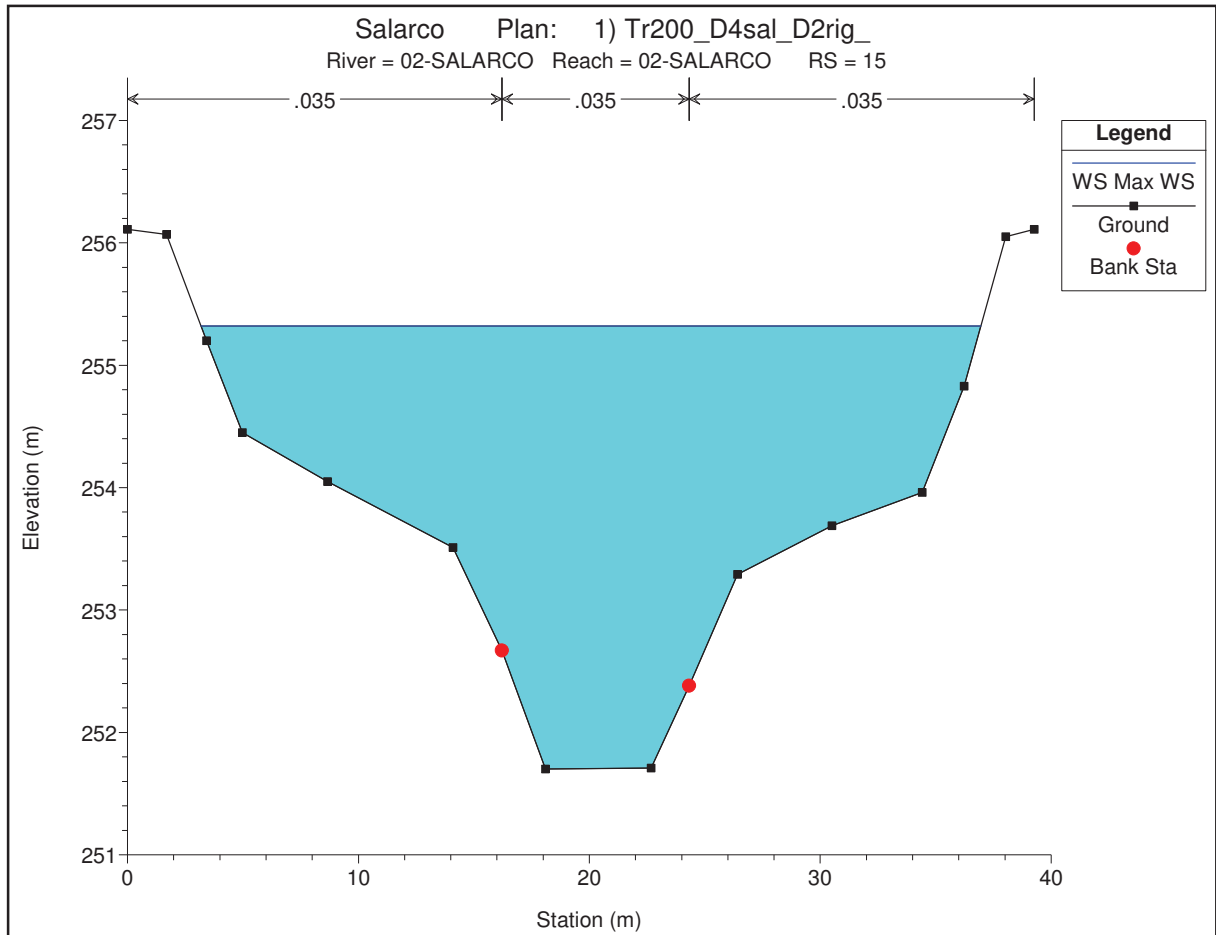


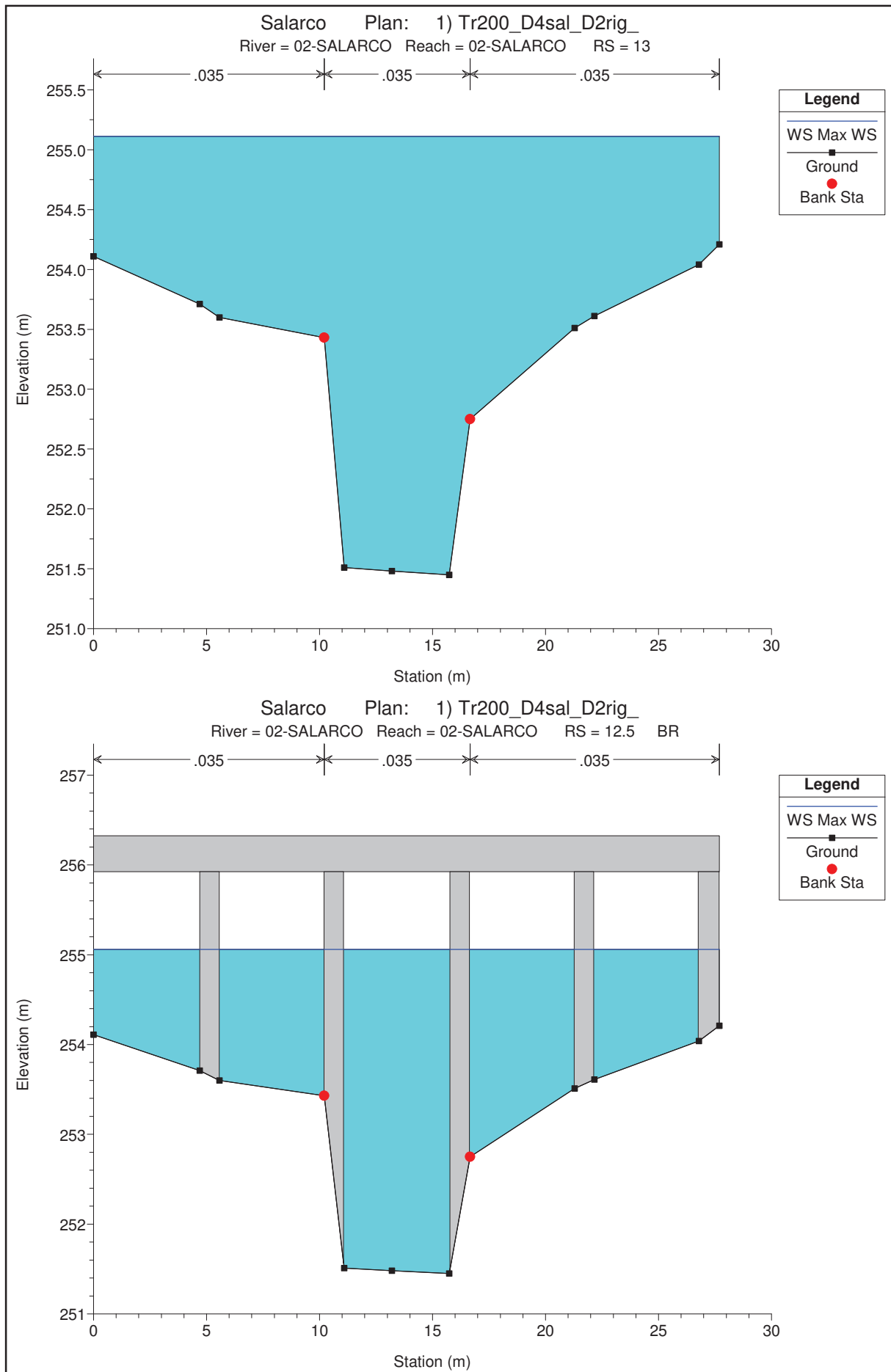


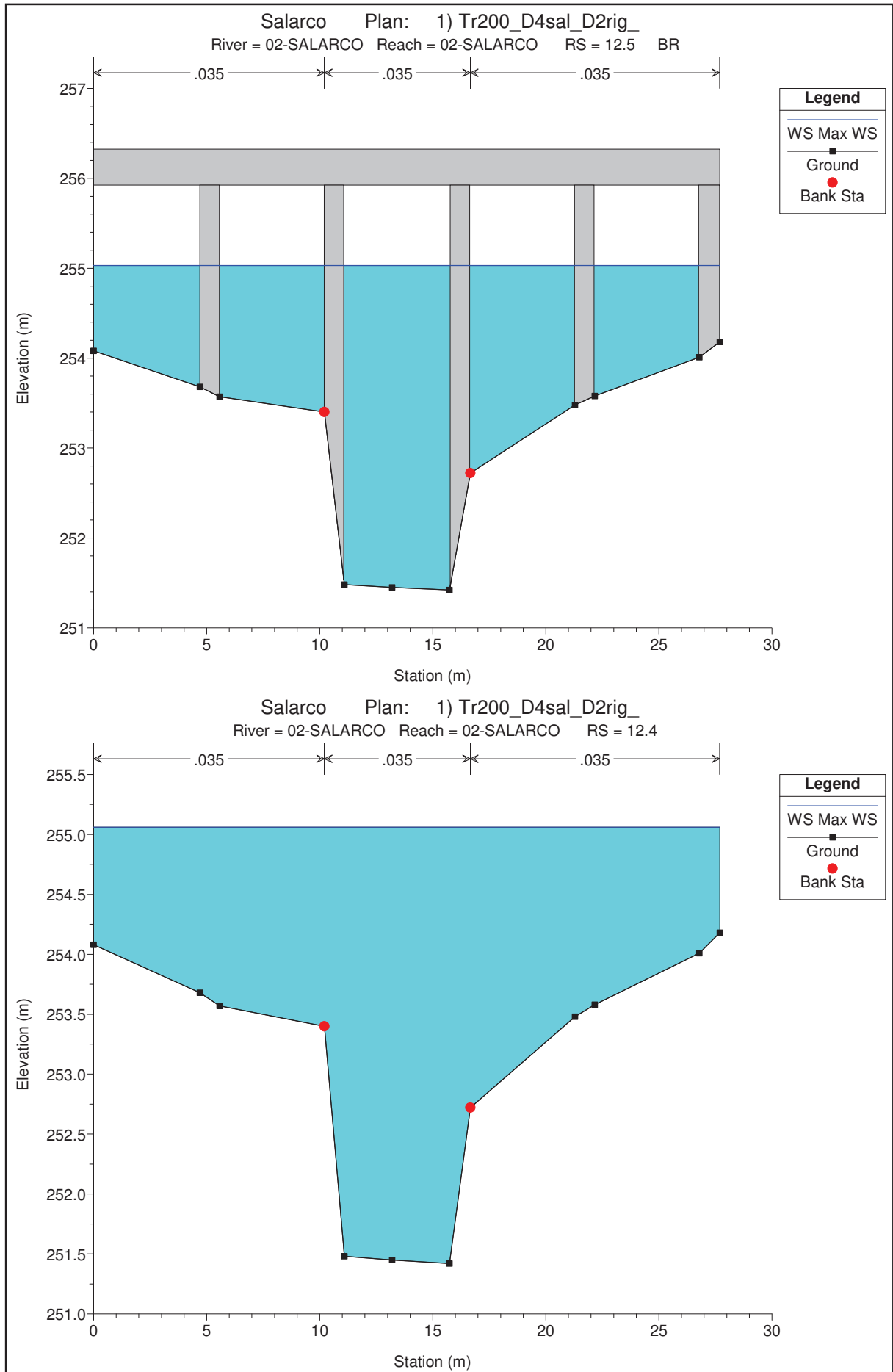


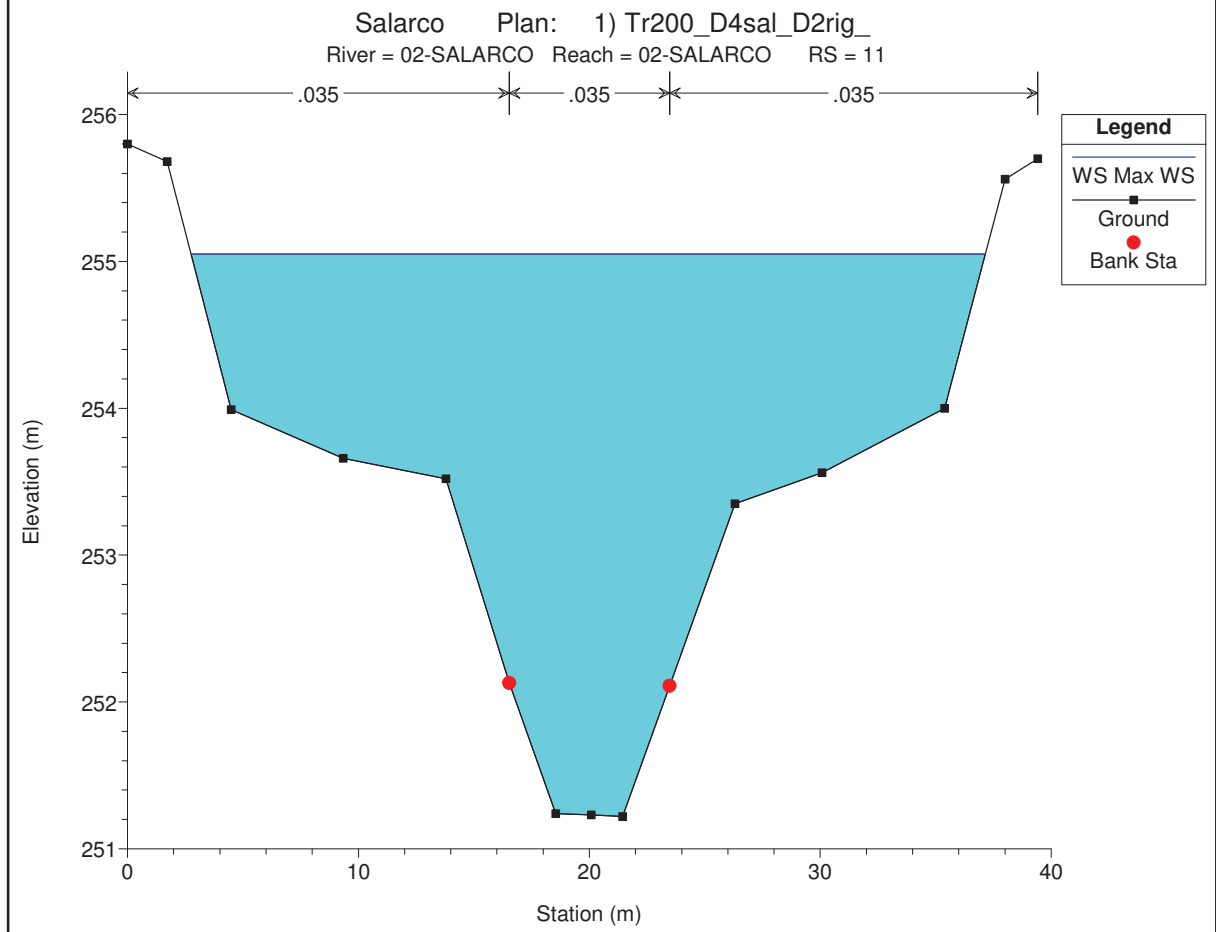
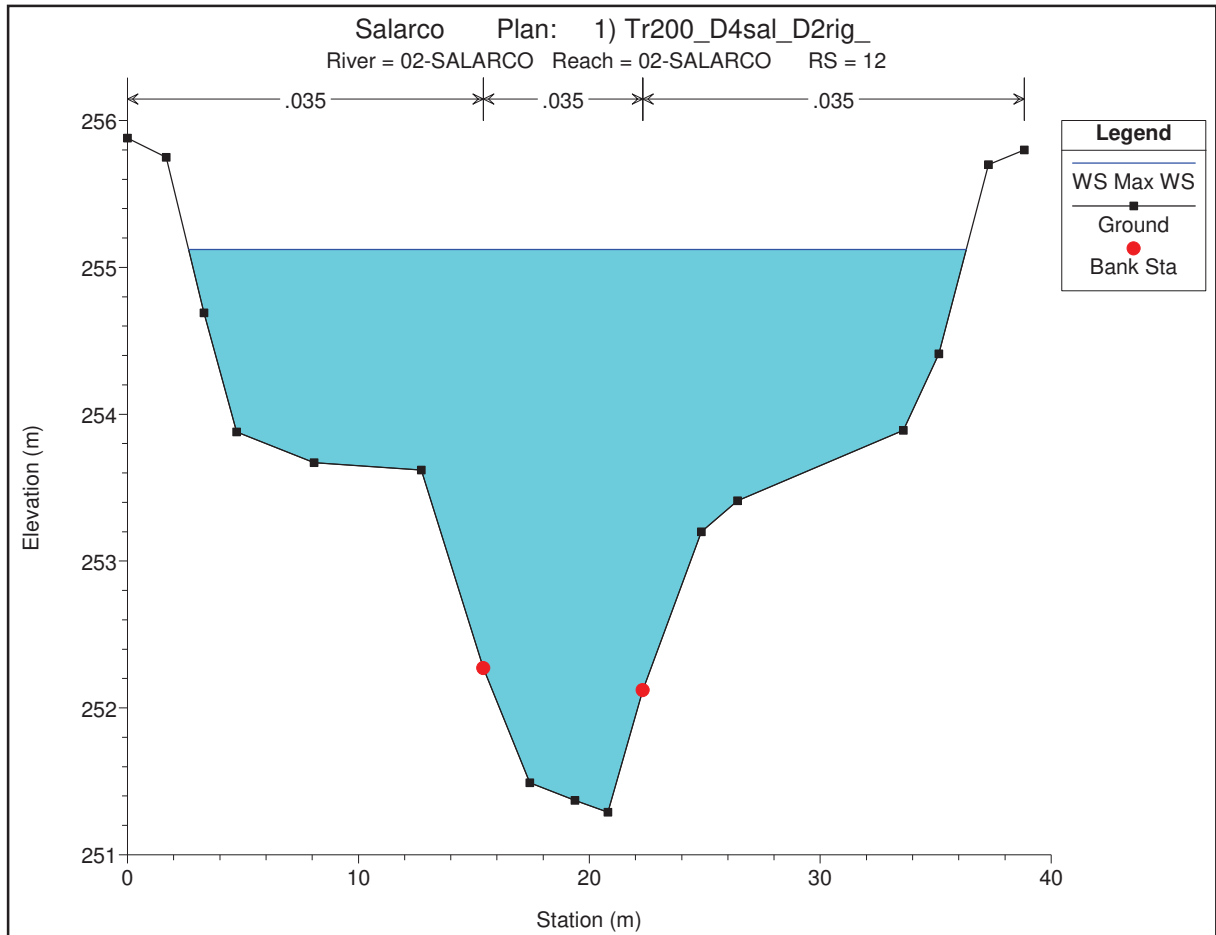


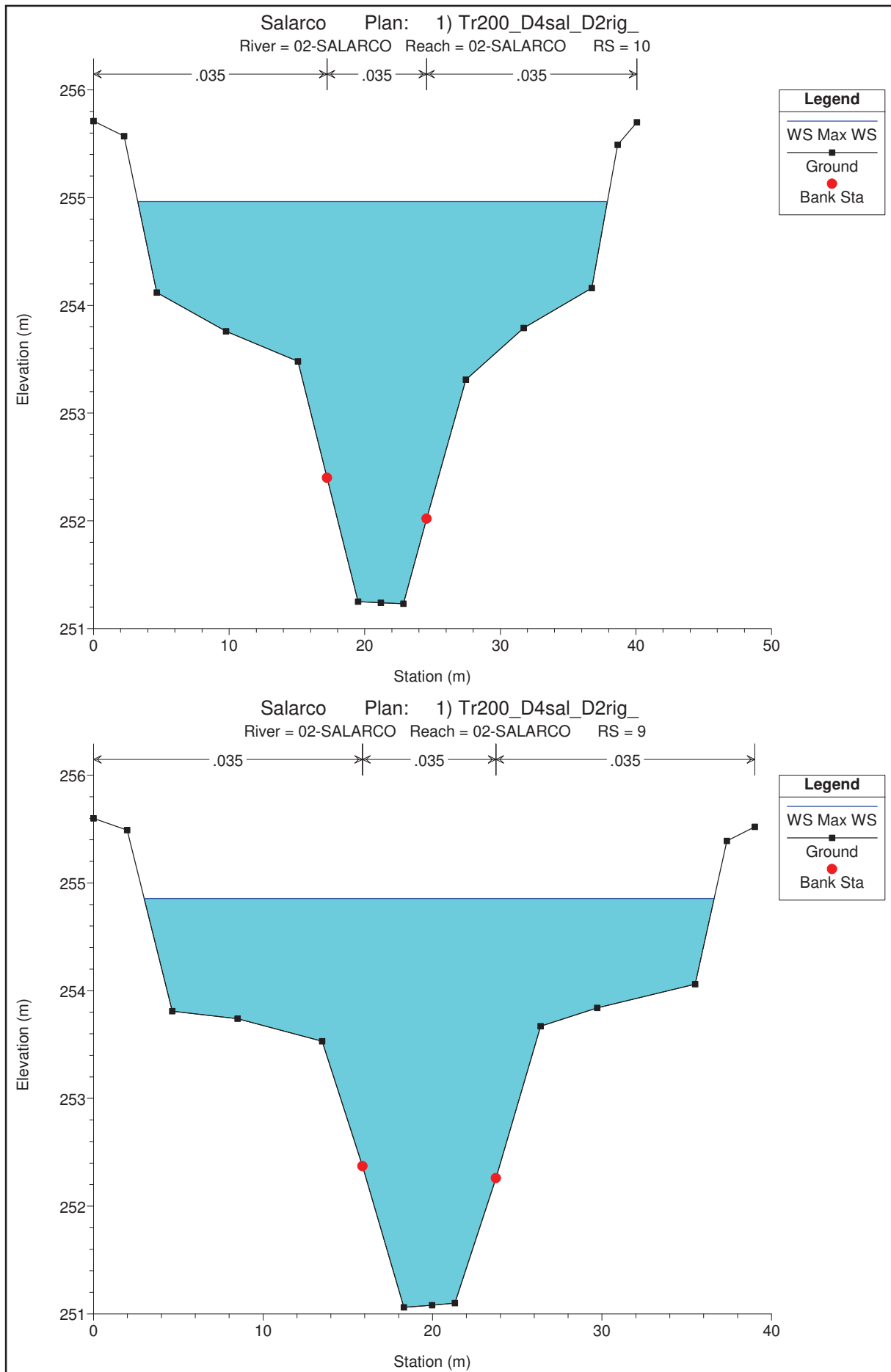


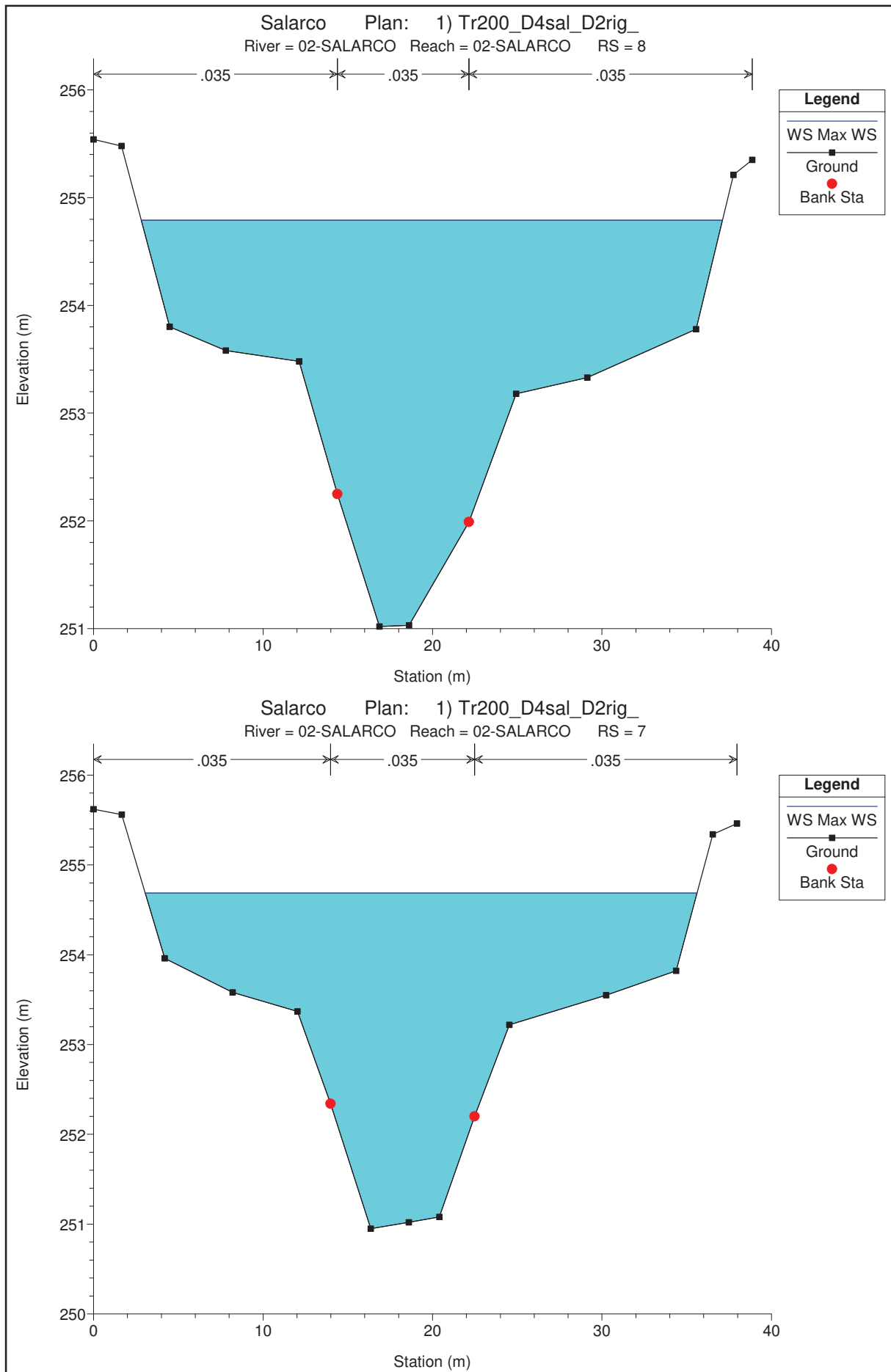


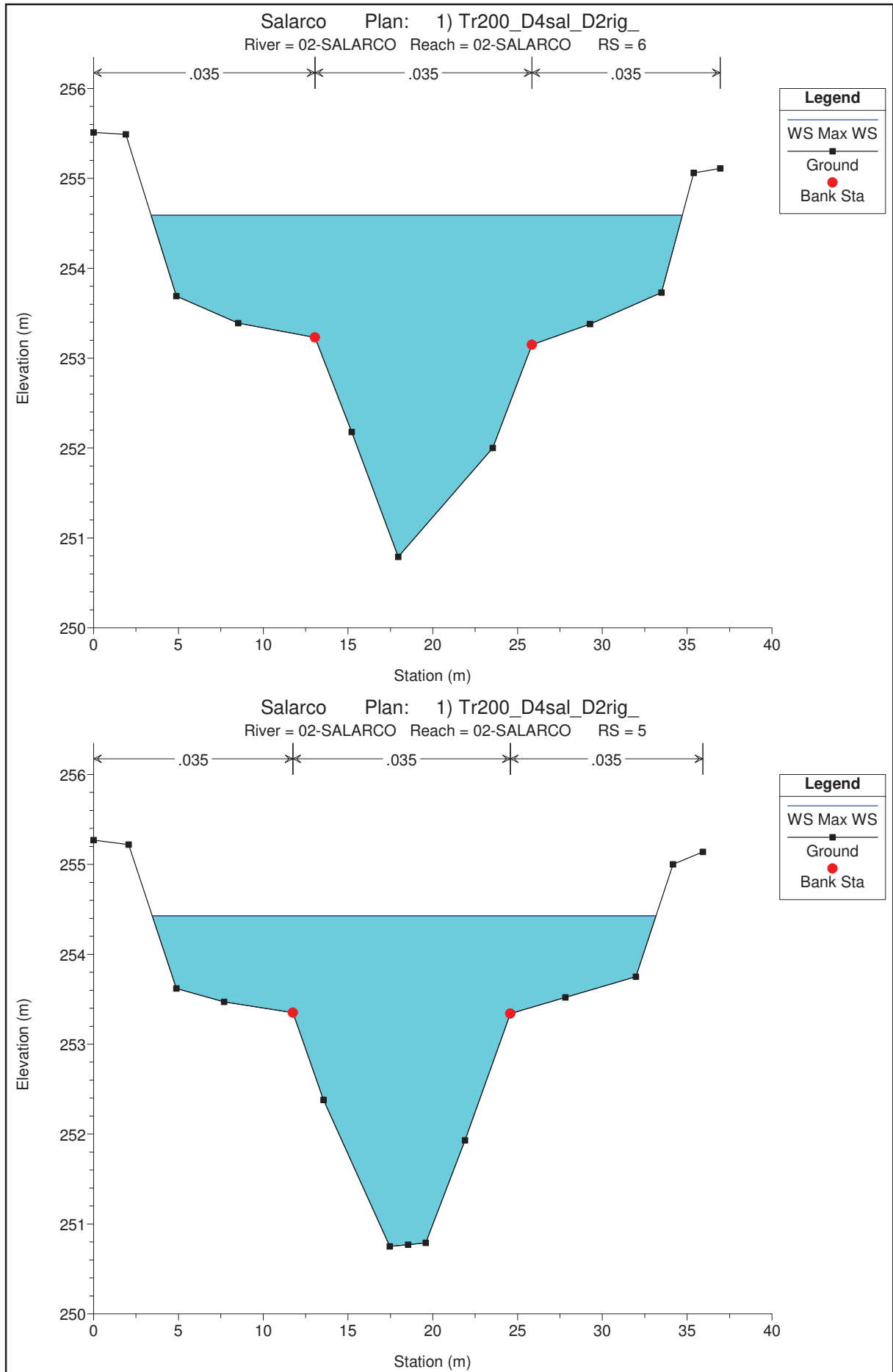


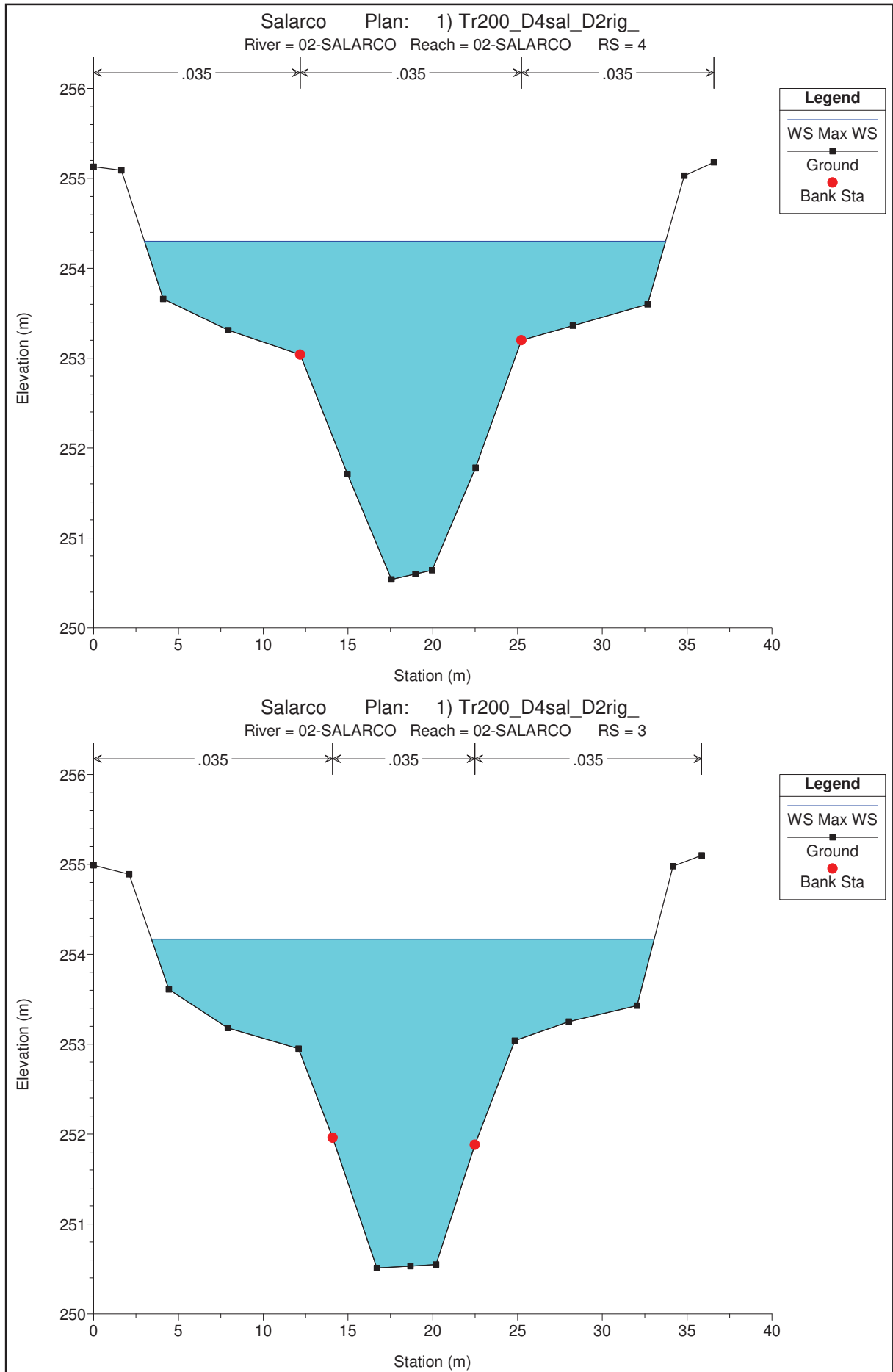


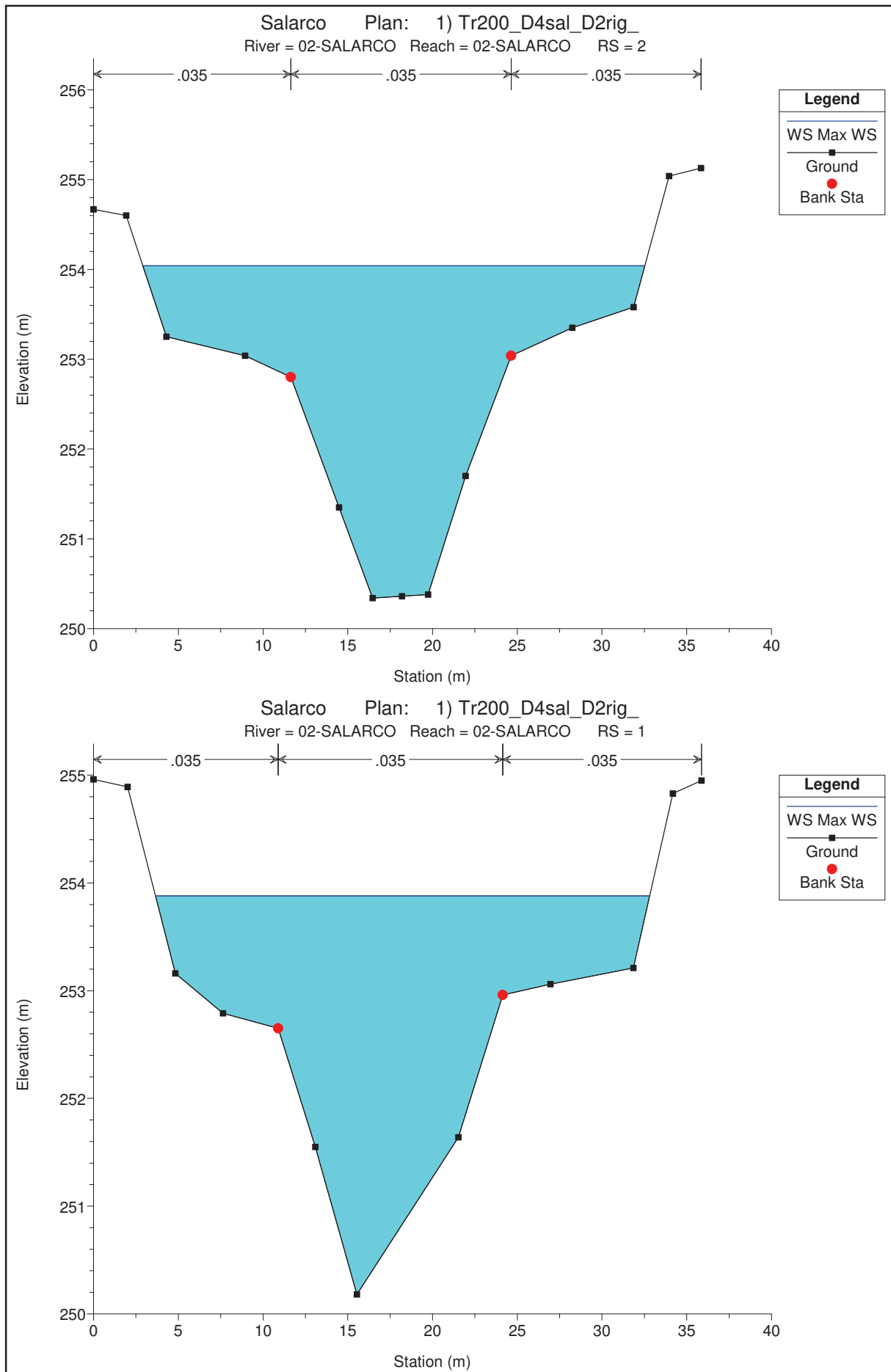














ALLEGATI

MODELLAZIONE HEC-RAS 5.0.6 "Salarco Rigo"

TORRENTE SALARCO

MODELLAZIONE PER TR=30 anni

DURATE DI PIOGGIA: 4h

Dati idraulici

HEC-RAS Plan: Tr30_D4sal_D2rig River: 02-SALARCO Reach: 02-SALARCO Profile: Max WS

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
02-SALARCO	66	Max WS	74.90	267.65	270.44	269.85	270.69	0.002612	2.51	35.92	21.86	0.52
02-SALARCO	65.99999		Lat Struct									
02-SALARCO	65.99998		Lat Struct									
02-SALARCO	65	Max WS	74.88	267.30	270.14	269.57	270.37	0.002646	2.47	36.65	22.88	0.52
02-SALARCO	64	Max WS	74.87	266.86	269.76	269.21	270.02	0.002794	2.58	35.57	22.06	0.53
02-SALARCO	63	Max WS	74.86	266.46	269.39	268.79	269.63	0.002550	2.50	36.43	22.10	0.51
02-SALARCO	62	Max WS	74.85	266.21	269.05	268.53	269.31	0.002655	2.51	35.78	22.37	0.52
02-SALARCO	61	Max WS	74.83	266.11	268.64	268.18	268.92	0.003127	2.61	34.24	22.69	0.56
02-SALARCO	60	Max WS	74.81	265.17	268.32	267.65	268.55	0.002174	2.38	37.86	21.97	0.46
02-SALARCO	59	Max WS	74.81	264.72	268.08	267.27	268.27	0.001715	2.17	42.42	25.99	0.41
02-SALARCO	58	Max WS	74.81	264.25	268.09	266.03	268.15	0.000335	1.17	74.38	28.43	0.19
02-SALARCO	57.5		Bridge									
02-SALARCO	57	Max WS	74.81	264.82	267.65	267.18	267.85	0.002943	2.37	39.16	28.49	0.52
02-SALARCO	56	Max WS	74.80	264.46	267.32	266.78	267.53	0.002878	2.36	38.25	25.76	0.50
02-SALARCO	55	Max WS	74.79	264.29	267.00	266.42	267.20	0.002602	2.29	39.42	25.79	0.48
02-SALARCO	54	Max WS	74.79	263.77	266.64	266.11	266.84	0.002823	2.34	38.90	26.54	0.50
02-SALARCO	53	Max WS	74.78	263.58	266.29	265.80	266.53	0.002912	2.52	36.40	24.36	0.54
02-SALARCO	52	Max WS	74.78	263.43	266.08	265.42	266.26	0.002168	2.35	40.64	25.24	0.47
02-SALARCO	51.5		Bridge									
02-SALARCO	51.4	Max WS	74.78	263.42	265.96	265.40	266.17	0.002632	2.51	38.01	24.79	0.52
02-SALARCO	51	Max WS	74.77	262.83	265.54	265.14	265.80	0.003274	2.73	35.64	25.04	0.56
02-SALARCO	50	Max WS	74.77	262.49	265.09	264.74	265.37	0.003861	2.91	33.46	24.08	0.61
02-SALARCO	49	Max WS	74.76	262.15	264.79	264.28	264.97	0.002369	2.29	41.71	29.42	0.48
02-SALARCO	48	Max WS	74.76	261.76	264.03	263.99	264.56	0.007493	3.55	25.33	21.21	0.84
02-SALARCO	47	Max WS	74.74	260.64	263.66	262.97	263.85	0.001771	2.31	42.19	24.77	0.44
02-SALARCO	46	Max WS	74.73	260.54	263.41	262.84	263.64	0.002197	2.56	38.56	23.63	0.49
02-SALARCO	45	Max WS	74.72	260.23	263.18	262.62	263.42	0.002277	2.62	37.81	23.02	0.50
02-SALARCO	44	Max WS	74.72	259.98	262.95	262.33	263.19	0.002215	2.44	37.63	22.28	0.48
02-SALARCO	43	Max WS	74.71	259.77	262.71	262.19	262.97	0.002540	2.78	36.10	22.07	0.53
02-SALARCO	42	Max WS	74.70	259.52	262.55	261.86	262.75	0.001884	2.27	41.00	24.14	0.44
02-SALARCO	41	Max WS	74.70	259.34	262.32	261.78	262.55	0.002220	2.45	39.04	24.74	0.48
02-SALARCO	40	Max WS	74.69	259.23	262.09	261.48	262.30	0.002142	2.38	39.64	24.55	0.47
02-SALARCO	39	Max WS	74.68	259.08	261.88	261.27	262.08	0.002056	2.40	40.73	25.14	0.47
02-SALARCO	38	Max WS	74.67	259.04	261.62	261.11	261.85	0.002543	2.57	37.82	24.59	0.52
02-SALARCO	37	Max WS	74.67	258.97	261.70	260.33	261.76	0.000525	1.20	68.25	33.70	0.24
02-SALARCO	36.5		Bridge									
02-SALARCO	36.4	Max WS	74.67	258.92	261.69	260.29	261.76	0.000495	1.17	69.02	33.86	0.23
02-SALARCO	36	Max WS	74.67	258.71	261.52	260.92	261.72	0.001924	2.30	41.46	26.25	0.46
02-SALARCO	35	Max WS	74.67	258.72	261.30	260.71	261.51	0.002386	2.31	38.57	24.73	0.50
02-SALARCO	34	Max WS	74.66	258.70	260.86	260.54	261.19	0.003961	2.74	31.55	22.69	0.63
02-SALARCO	33	Max WS	74.66	258.79	260.68	260.03	260.92	0.003293	2.20	33.86	19.00	0.53
02-SALARCO	32.5		Int Struct									
02-SALARCO	32	Max WS	74.64	254.20	257.50	255.47	257.59	0.000623	1.29	58.07	18.21	0.23
02-SALARCO	31	Max WS	75.85	254.02	257.29	256.61	257.54	0.001933	2.55	36.64	25.74	0.46
02-SALARCO	30.5		Bridge									
02-SALARCO	30.4	Max WS	75.83	253.98	257.20	256.57	257.47	0.002140	2.66	35.04	25.47	0.48
02-SALARCO	30	Max WS	75.83	253.77	257.20	256.56	257.40	0.001629	2.41	42.87	24.96	0.43
02-SALARCO	29	Max WS	75.82	253.53	257.05	256.22	257.23	0.001387	2.16	44.43	24.07	0.39
02-SALARCO	28	Max WS	75.82	253.38	256.92	256.09	257.09	0.001395	2.17	45.14	24.42	0.40
02-SALARCO	27	Max WS	75.80	253.35	256.56	255.86	256.94	0.003023	2.92	31.71	22.68	0.56
02-SALARCO	26.5		Bridge									
02-SALARCO	26.4	Max WS	75.79	253.22	256.54	255.73	256.87	0.002502	2.73	34.27	23.04	0.51
02-SALARCO	26	Max WS	75.78	252.92	256.47	255.75	256.71	0.001814	2.42	38.93	21.62	0.44
02-SALARCO	25	Max WS	75.78	252.83	256.35	255.47	256.54	0.001347	2.15	44.23	23.14	0.39
02-SALARCO	24	Max WS	75.77	252.72	256.20	255.39	256.40	0.001527	2.27	42.23	22.38	0.41
02-SALARCO	23	Max WS	75.76	252.67	255.99	255.31	256.23	0.002066	2.39	37.75	21.07	0.47
02-SALARCO	22	Max WS	75.74	252.47	255.73	255.12	256.01	0.002172	2.61	36.12	20.50	0.48
02-SALARCO	21	Max WS	75.72	252.43	255.62	254.73	255.82	0.001514	2.17	43.31	25.81	0.40
02-SALARCO	20	Max WS	75.69	252.25	255.49	254.77	255.66	0.001377	2.13	47.03	30.29	0.39
02-SALARCO	19	Max WS	75.69	252.11	255.40	254.62	255.53	0.001291	1.80	51.47	34.45	0.37
02-SALARCO	18	Max WS	75.68	251.86	255.31	254.33	255.43	0.000917	1.80	56.53	35.14	0.32
02-SALARCO	17	Max WS	75.67	251.78	255.19	254.24	255.32	0.001046	1.93	52.97	31.10	0.34
02-SALARCO	16	Max WS	75.66	251.68	255.12	254.16	255.23	0.000842	1.73	57.68	32.21	0.31
02-SALARCO	15	Max WS	75.65	251.70	255.02	254.07	255.14	0.000910	1.79	56.09	32.71	0.32
02-SALARCO	14	Max WS	75.64	251.51	254.94	254.01	255.04	0.000869	1.74	57.61	32.60	0.31
02-SALARCO	13.99		Lat Struct									
02-SALARCO	13.98		Lat Struct									
02-SALARCO	13	Max WS	62.48	251.45	254.84	254.01	254.95	0.001142	1.74	46.07	27.69	0.31
02-SALARCO	12.5		Bridge									
02-SALARCO	12.4	Max WS	62.45	251.42	254.80	253.98	254.91	0.001157	1.75	45.86	27.69	0.32
02-SALARCO	12	Max WS	61.75	251.29	254.82	253.52	254.91	0.000670	1.56	54.56	32.73	0.28
02-SALARCO	11	Max WS	61.75	251.22	254.75	253.36	254.84	0.000676	1.58	54.40	33.41	0.28
02-SALARCO	10	Max WS	61.74	251.23	254.67	253.39	254.77	0.000816	1.69	50.67	33.72	0.30
02-SALARCO	9	Max WS	61.72	251.06	254.56	253.35	254.68	0.000955	1.79	46.89	32.74	0.32
02-SALARCO	8	Max WS	61.71	251.02	254.50	253.18	254.59	0.000783	1.63	51.62	33.34	0.30
02-SALARCO	7	Max WS	61.70	250.95	254.39	253.13	254.51	0.000901	1.72	47.48	31.68	0.31
02-SALARCO	6	Max WS	61.69	250.79	254.30	253.16	254.42	0.001037	1.59	45.96	30.44	0.32
02-SALARCO	5	Max WS	61.69	250.75	254.14	253.08	254.30	0.001458	1.81	39.49	28.71	0.38
02-SALARCO	4	Max WS	61.68	250.54	254.01	252.86	254.15	0.001238	1.71	42.00	29.81	0.35
02-SALARCO	3	Max WS	61.68	250.51	253.89	252.75	254.04	0.001227	1.95	40.89	28.74	0.36
02-SALARCO	2	Max WS	61.67	250.34	253.77	252.59	253.91	0.001323	1.76	40.12	28.74	0.36
02-SALARCO	1	Max WS	61.67	250.18	253.60	252.64	253.76	0.001588	1.84	38.47	28.31	0.39



ALLEGATI

MODELLAZIONE HEC-RAS 5.0.6 "Salarco Rigo"

TORRENTE SALARCO

MODELLAZIONE PER TR=200 anni

DURATE DI PIOGGIA: 4h

Dati idraulici

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
02-SALARCO	66	Max WS	136.80	267.65	271.09	270.45	271.53	0.003426	3.37	51.52	27.92	0.62
02-SALARCO	65.99999		Lat Struct									
02-SALARCO	65.99998		Lat Struct									
02-SALARCO	65	Max WS	130.67	267.30	270.76	270.09	271.12	0.003129	3.14	52.45	28.27	0.59
02-SALARCO	64	Max WS	118.32	266.86	270.57	269.63	270.84	0.002203	2.77	56.58	30.82	0.49
02-SALARCO	63	Max WS	127.60	266.46	270.08	269.31	270.43	0.002849	3.11	54.38	30.87	0.56
02-SALARCO	62	Max WS	122.66	266.21	269.78	268.99	270.11	0.002547	2.94	52.98	28.55	0.53
02-SALARCO	61	Max WS	129.23	266.11	269.24	268.70	269.68	0.003797	3.38	49.08	30.41	0.64
02-SALARCO	60	Max WS	128.55	265.17	268.82	268.21	269.26	0.003530	3.39	50.66	33.33	0.60
02-SALARCO	59	Max WS	121.31	264.72	268.55	267.77	268.85	0.002274	2.77	57.14	33.57	0.49
02-SALARCO	58	Max WS	108.70	264.25	268.62	266.41	268.71	0.000416	1.43	89.72	30.05	0.22
02-SALARCO	57.5		Bridge									
02-SALARCO	57	Max WS	108.69	264.82	268.07	267.45	268.31	0.002734	2.57	51.69	30.39	0.51
02-SALARCO	56	Max WS	108.68	264.46	267.75	267.08	268.01	0.002799	2.62	49.74	27.46	0.51
02-SALARCO	55	Max WS	108.67	264.29	267.45	266.71	267.69	0.002526	2.54	51.19	27.39	0.49
02-SALARCO	54	Max WS	108.66	263.77	267.12	266.40	267.35	0.002478	2.49	52.19	28.30	0.48
02-SALARCO	53	Max WS	108.66	263.58	266.82	266.11	267.09	0.002499	2.69	49.97	26.97	0.52
02-SALARCO	52	Max WS	108.66	263.43	266.64	265.72	266.86	0.002100	2.64	55.98	31.70	0.48
02-SALARCO	51.5		Bridge									
02-SALARCO	51.4	Max WS	108.66	263.42	266.37	265.71	266.65	0.002708	2.84	48.76	26.59	0.54
02-SALARCO	51	Max WS	108.66	262.83	265.95	265.43	266.26	0.003298	3.04	45.97	26.63	0.58
02-SALARCO	50	Max WS	108.65	262.49	265.47	265.04	265.83	0.003936	3.26	42.93	25.54	0.63
02-SALARCO	49	Max WS	108.65	262.15	265.20	264.55	265.43	0.002300	2.52	54.39	31.24	0.49
02-SALARCO	48	Max WS	108.65	261.76	264.41	264.32	265.02	0.007058	3.91	33.56	22.58	0.84
02-SALARCO	47	Max WS	108.64	260.64	264.15	263.29	264.38	0.001788	2.58	54.66	26.47	0.45
02-SALARCO	46	Max WS	108.64	260.54	263.90	263.17	264.17	0.002182	2.84	50.38	25.43	0.50
02-SALARCO	45	Max WS	108.63	260.23	263.66	262.95	263.95	0.002272	2.91	49.23	24.58	0.51
02-SALARCO	44	Max WS	108.63	259.98	263.42	262.68	263.71	0.002291	2.77	48.37	23.76	0.51
02-SALARCO	43	Max WS	108.62	259.77	263.17	262.54	263.49	0.002605	3.11	46.58	23.54	0.55
02-SALARCO	42	Max WS	108.62	259.52	263.01	262.19	263.26	0.001967	2.58	52.41	25.60	0.47
02-SALARCO	41	Max WS	108.62	259.34	262.78	262.09	263.05	0.002220	2.73	50.75	26.25	0.49
02-SALARCO	40	Max WS	108.61	259.23	262.54	261.80	262.80	0.002177	2.67	51.18	26.13	0.49
02-SALARCO	39	Max WS	108.61	259.08	262.34	261.58	262.59	0.002084	2.69	52.52	26.68	0.48
02-SALARCO	38	Max WS	108.60	259.04	262.08	261.42	262.36	0.002475	2.84	49.33	26.02	0.53
02-SALARCO	37	Max WS	108.61	258.97	262.18	260.60	262.27	0.000579	1.41	83.45	35.68	0.26
02-SALARCO	36.5		Bridge									
02-SALARCO	36.4	Max WS	108.61	258.92	262.17	260.55	262.26	0.000558	1.39	83.75	35.82	0.25
02-SALARCO	36	Max WS	108.61	258.71	261.97	261.24	262.22	0.001935	2.57	53.76	27.72	0.47
02-SALARCO	35	Max WS	108.60	258.72	261.74	261.03	262.01	0.002368	2.61	50.03	26.38	0.51
02-SALARCO	34	Max WS	108.60	258.70	261.34	260.87	261.71	0.003460	2.97	42.77	24.25	0.61
02-SALARCO	33	Max WS	108.60	258.79	261.15	260.37	261.47	0.003159	2.52	43.79	22.26	0.54
02-SALARCO	32.5		Int Struct									
02-SALARCO	32	Max WS	108.16	254.20	258.11	255.81	258.23	0.000782	1.56	69.13	18.37	0.26
02-SALARCO	31	Max WS	110.87	254.02	257.86	256.97	258.17	0.001920	2.84	46.69	28.29	0.47
02-SALARCO	30.5		Bridge									
02-SALARCO	30.4	Max WS	110.86	253.98	257.69	256.93	258.05	0.002314	3.05	43.49	27.86	0.52
02-SALARCO	30	Max WS	110.86	253.77	257.74	256.91	257.98	0.001572	2.63	56.91	26.30	0.43
02-SALARCO	29	Max WS	110.85	253.53	257.59	256.59	257.82	0.001413	2.43	57.92	25.52	0.40
02-SALARCO	28	Max WS	110.85	253.38	257.46	256.44	257.67	0.001408	2.43	58.77	25.90	0.41
02-SALARCO	27	Max WS	110.84	253.35	257.14	256.64	257.53	0.002606	3.08	45.48	24.67	0.54
02-SALARCO	26.5		Bridge									
02-SALARCO	26.4	Max WS	110.84	253.22	257.08	256.51	257.44	0.002363	2.97	47.21	24.91	0.51
02-SALARCO	26	Max WS	110.83	252.92	256.99	256.16	257.29	0.001900	2.75	50.56	23.08	0.46
02-SALARCO	25	Max WS	110.83	252.83	256.87	255.85	257.11	0.001454	2.47	56.57	24.59	0.41
02-SALARCO	24	Max WS	110.83	252.72	256.70	255.77	256.96	0.001670	2.62	53.70	23.68	0.44
02-SALARCO	23	Max WS	110.82	252.67	256.46	255.68	256.78	0.002261	2.78	47.80	22.26	0.50
02-SALARCO	22	Max WS	110.80	252.47	256.14	255.52	256.52	0.002579	3.10	44.79	21.52	0.54
02-SALARCO	21	Max WS	110.80	252.43	256.04	255.26	256.30	0.001759	2.55	54.28	27.18	0.45
02-SALARCO	20	Max WS	110.79	252.25	255.90	255.16	256.12	0.001541	2.45	59.72	31.56	0.42
02-SALARCO	19	Max WS	110.79	252.11	255.80	254.98	255.97	0.001375	2.06	65.82	35.83	0.39
02-SALARCO	18	Max WS	110.79	251.86	255.70	254.71	255.86	0.001066	2.10	70.66	36.43	0.35
02-SALARCO	17	Max WS	110.78	251.78	255.55	254.70	255.74	0.001299	2.31	64.36	32.20	0.39
02-SALARCO	16	Max WS	110.78	251.68	255.45	254.50	255.61	0.001098	2.12	68.69	33.13	0.36
02-SALARCO	15	Max WS	110.78	251.70	255.32	254.45	255.50	0.001232	2.22	66.12	33.77	0.38
02-SALARCO	14	Max WS	110.78	251.51	255.20	254.32	255.37	0.001254	2.21	66.20	33.40	0.38
02-SALARCO	13.99		Lat Struct									
02-SALARCO	13.98		Lat Struct									
02-SALARCO	13	Max WS	83.10	251.45	255.11	254.29	255.25	0.001290	1.96	53.70	27.69	0.34
02-SALARCO	12.5		Bridge									
02-SALARCO	12.4	Max WS	83.09	251.42	255.06	254.26	255.20	0.001335	1.98	53.08	27.69	0.34
02-SALARCO	12	Max WS	79.20	251.29	255.12	254.07	255.22	0.000691	1.68	64.43	33.68	0.29
02-SALARCO	11	Max WS	79.20	251.22	255.05	254.05	255.15	0.000697	1.70	64.42	34.39	0.29
02-SALARCO	10	Max WS	79.18	251.23	254.96	253.90	255.08	0.000820	1.80	60.77	34.64	0.31
02-SALARCO	9	Max WS	79.18	251.06	254.86	253.56	254.99	0.000955	1.90	56.69	33.63	0.33
02-SALARCO	8	Max WS	79.17	251.02	254.79	253.85	254.90	0.000793	1.74	61.57	34.29	0.30
02-SALARCO	7	Max WS	79.17	250.95	254.69	253.64	254.82	0.000920	1.84	56.83	32.55	0.32
02-SALARCO	6	Max WS	79.16	250.79	254.59	253.56	254.72	0.001047	1.72	54.82	31.33	0.33
02-SALARCO	5	Max WS	79.16	250.75	254.43	253.37	254.60	0.001449	1.95	47.81	29.71	0.38
02-SALARCO	4	Max WS	79.15	250.54	254.30	253.16	254.45	0.001242	1.85	50.67	30.73	0.36
02-SALARCO	3	Max WS	79.15	250.51	254.17	252.95	254.35	0.001261	2.10	49.16	29.64	0.37
02-SALARCO	2	Max WS	79.15	250.34	254.04	252.89	254.21	0.001360	1.92	48.18	29.62	0.37
02-SALARCO	1	Max WS	79.15	250.18	253.88	252.97	254.06	0.001588	1.99	46.35	29.16	0.40



ALLEGATI

MODELLAZIONE HEC-RAS 5.0.6 "Salarco Rigo"

FOSSO RIGO

MODELLAZIONE PER TR=30 e 200 ANNI

DURATA DI PIOGGIA: 2h

Profilo longitudinale

Sezioni Trasversali

Dati idraulici



ALLEGATI

MODELLAZIONE HEC-RAS 5.0.6 "Salarco Rigo"

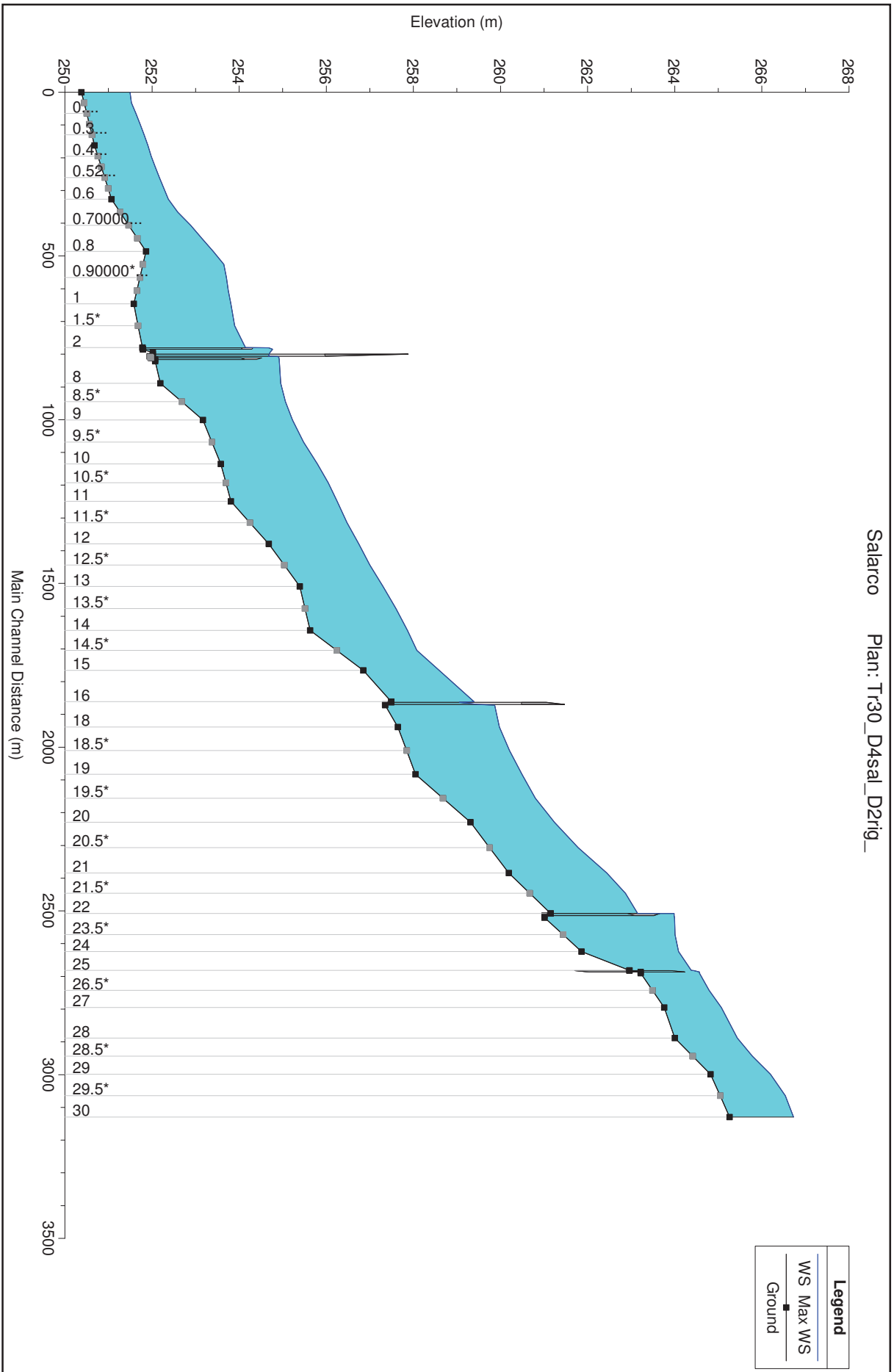
FOSSO RIGO

MODELLAZIONE PER TR=30 anni

DURATE DI PIOGGIA: 2h

Profilo longitudinale

Salarco Plan: Tr30_D4sal_D2rig_





ALLEGATI

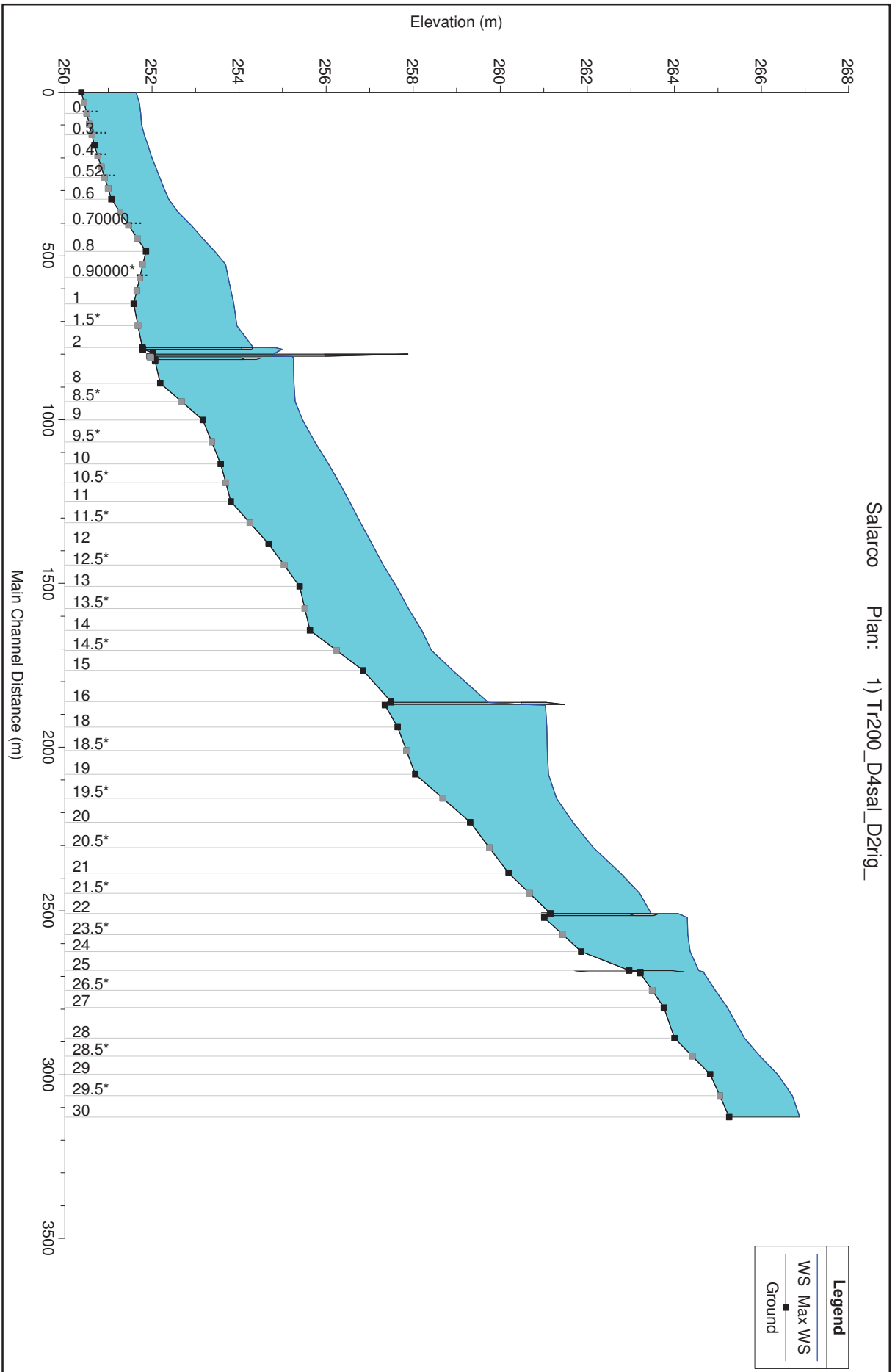
MODELLAZIONE HEC-RAS 5.0.6 "Salarco Rigo"

FOSSO RIGO

MODELLAZIONE PER TR=200 anni

DURATE DI PIOGGIA: 2h

Profilo longitudinale





ALLEGATI

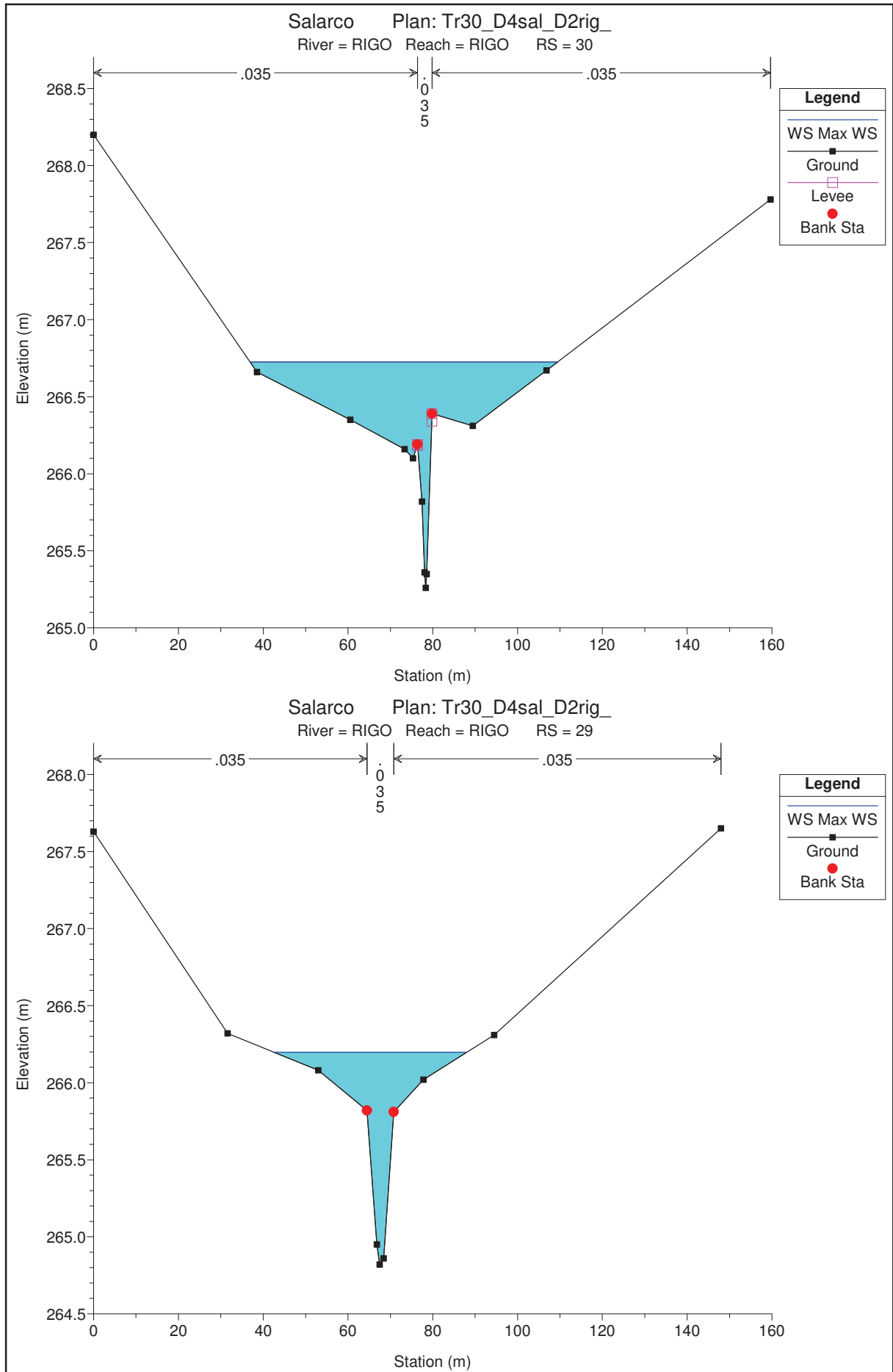
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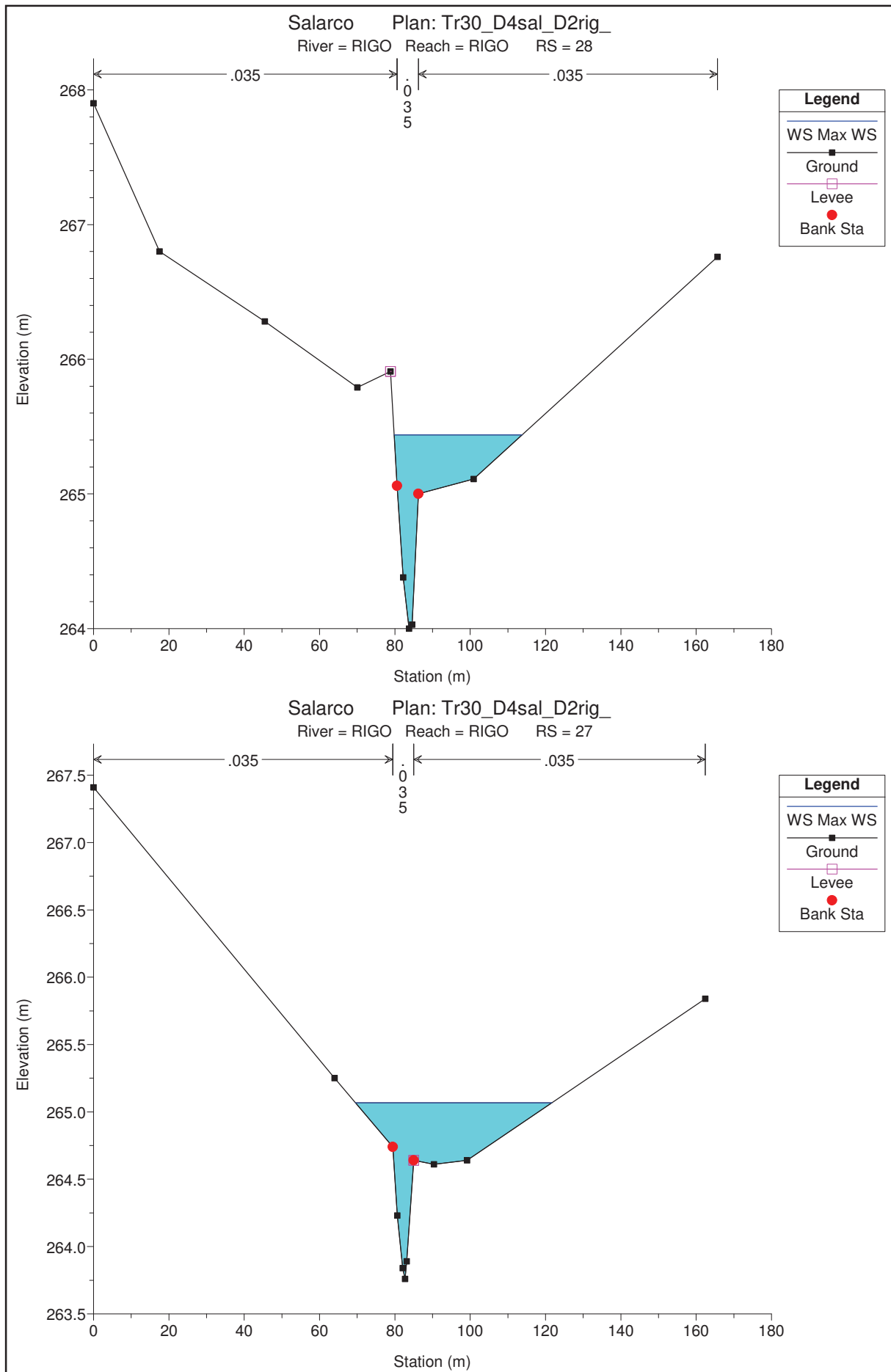
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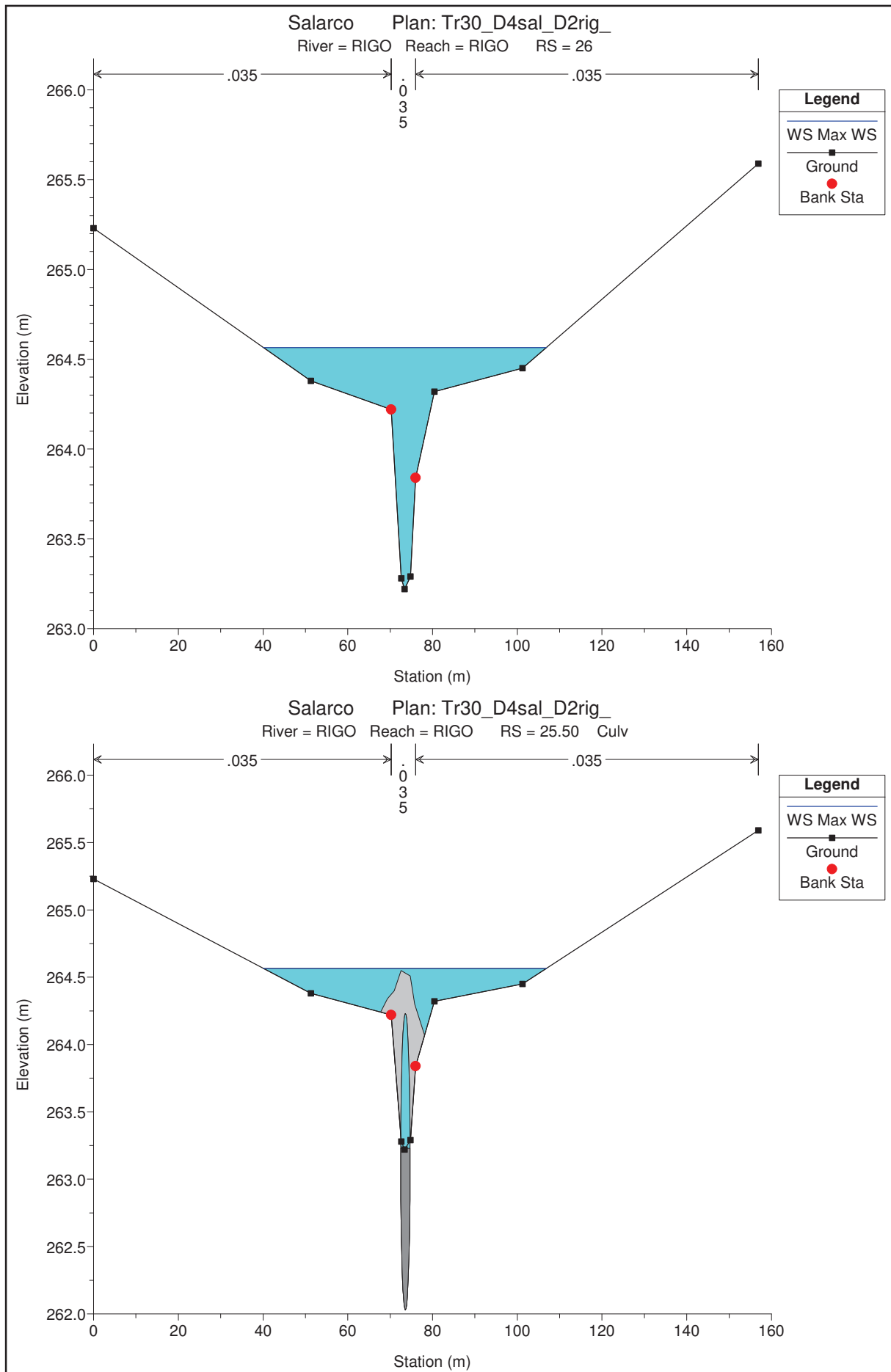
MODELLAZIONE PER TR=30 anni

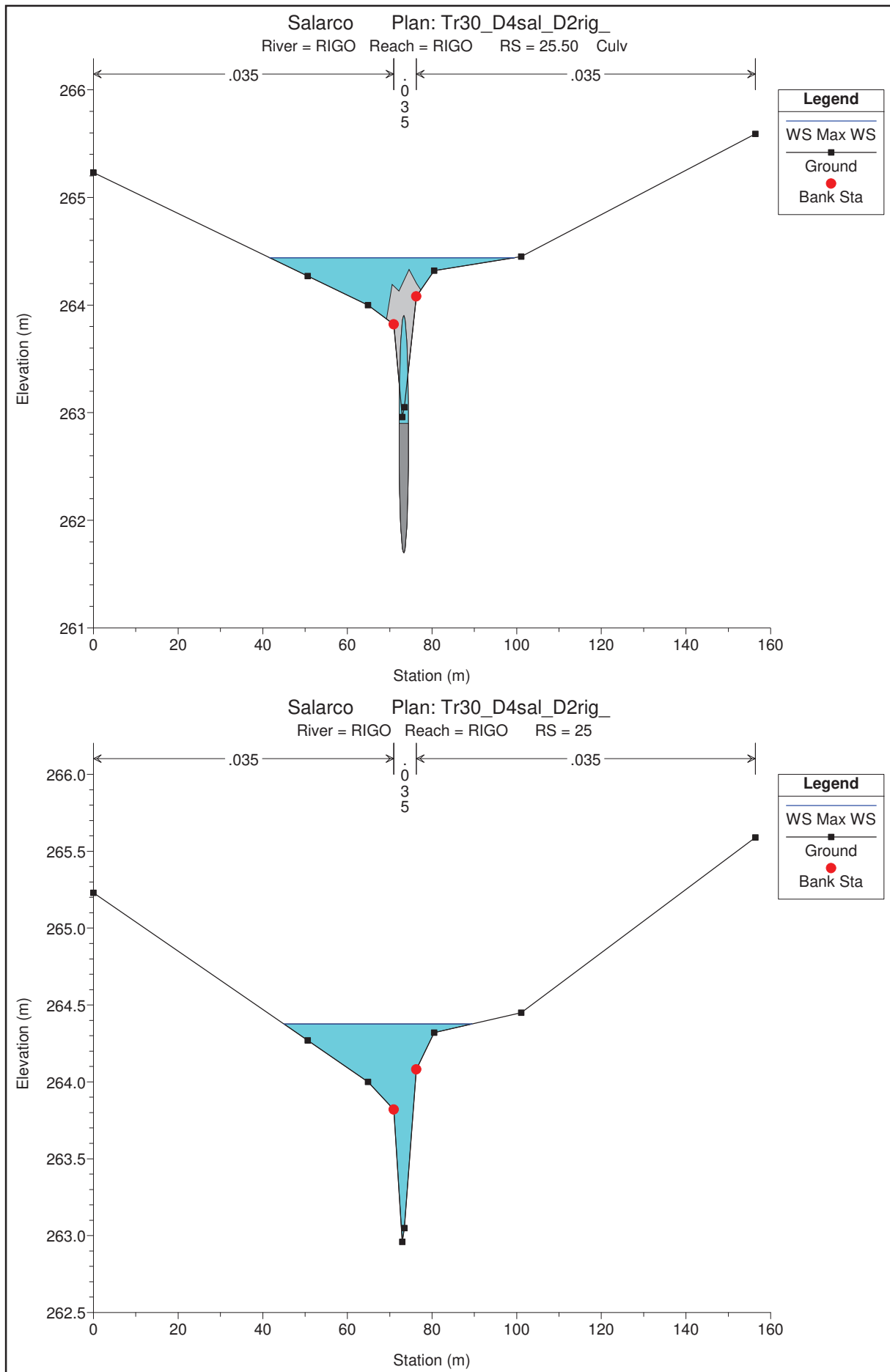
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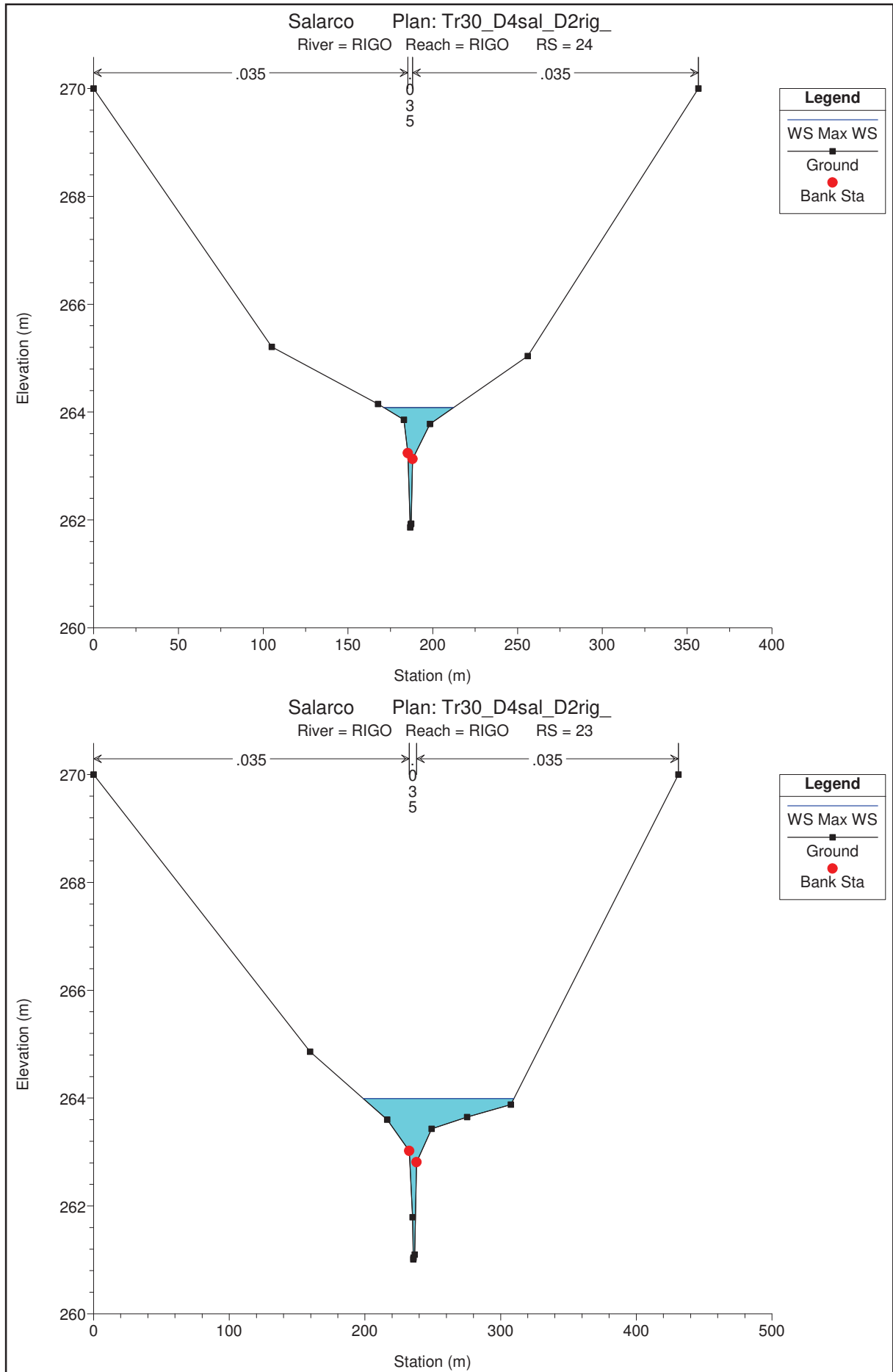
Sezioni Trasversali (da monte verso valle)

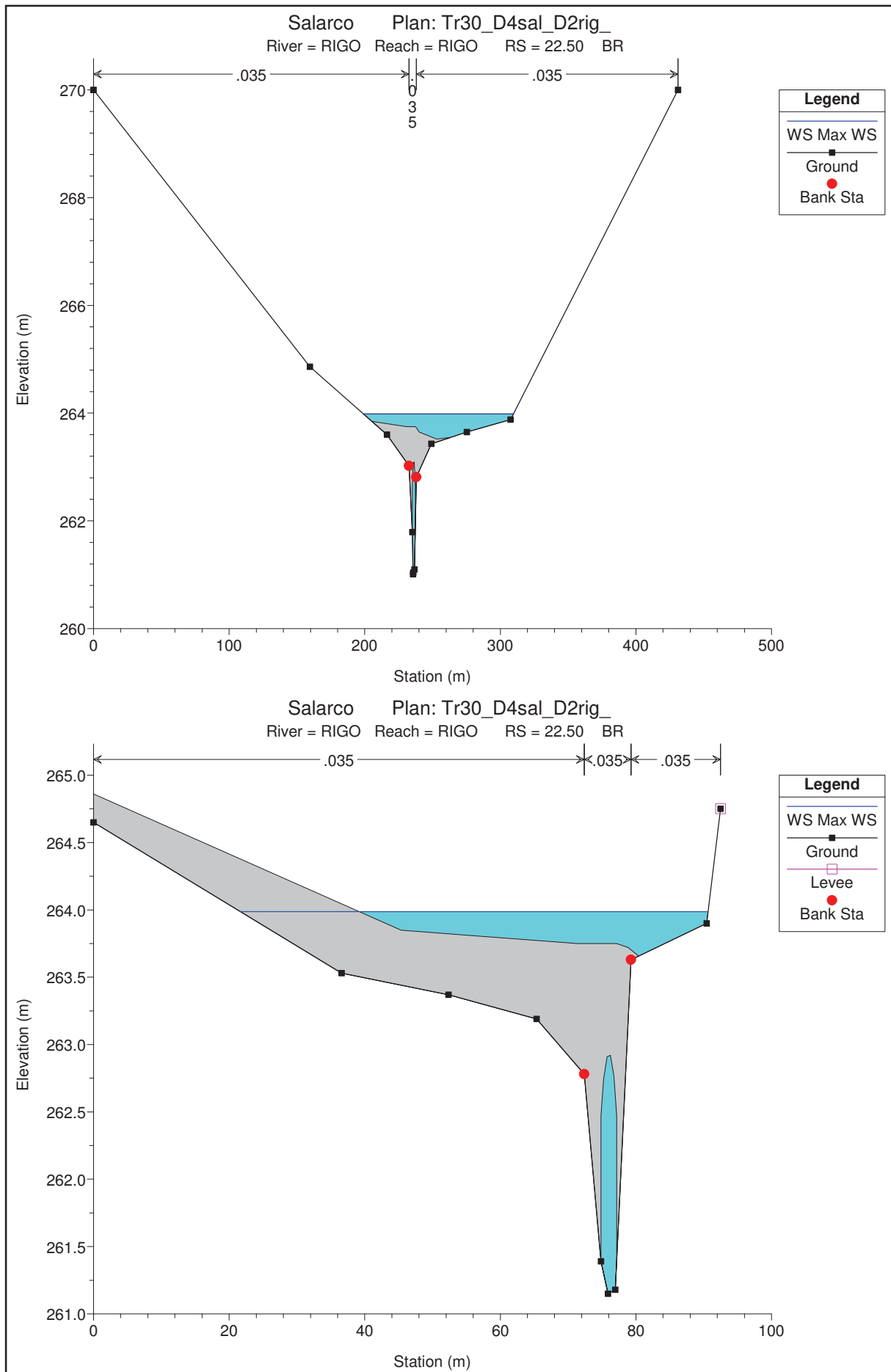


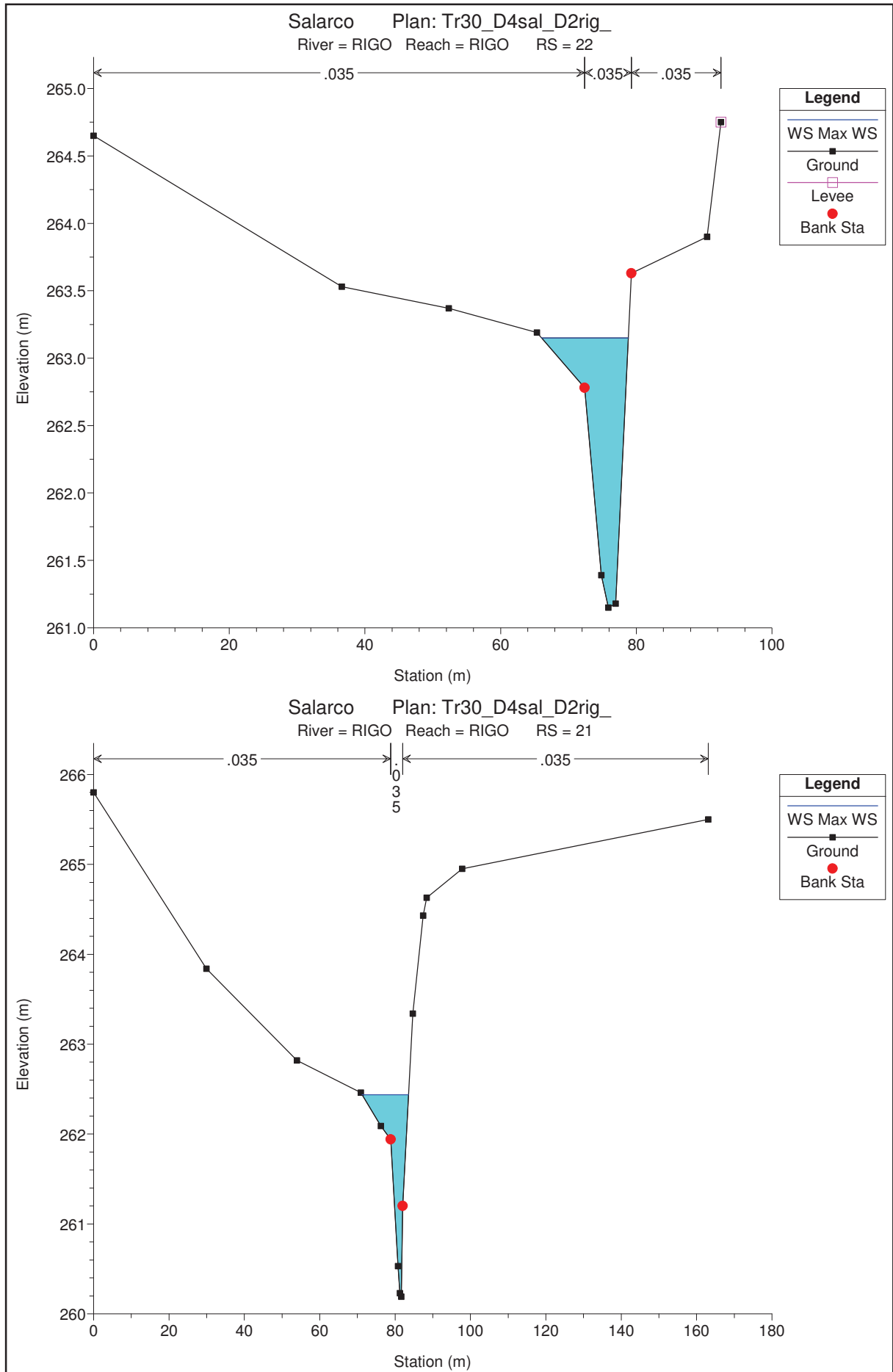


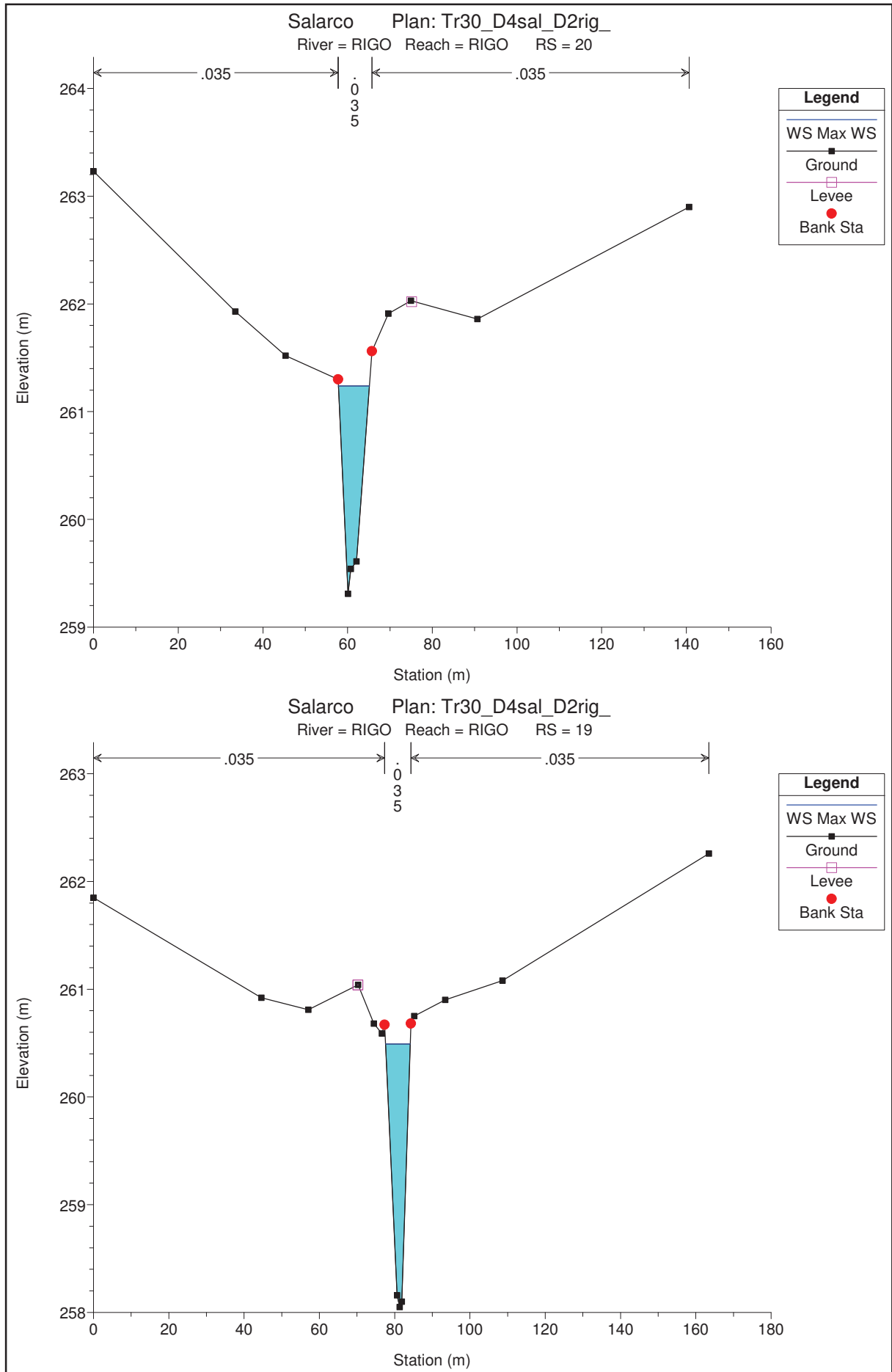


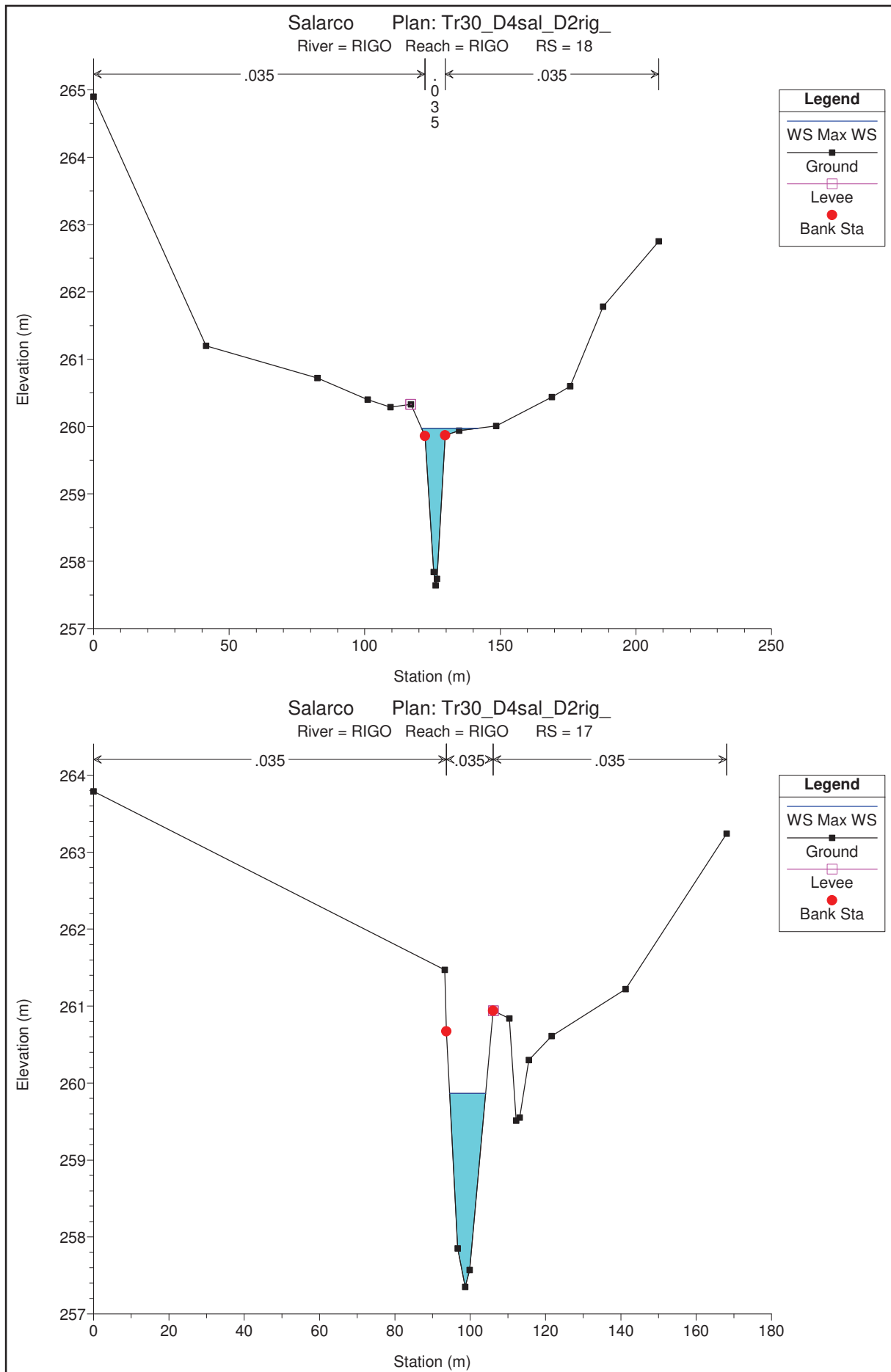


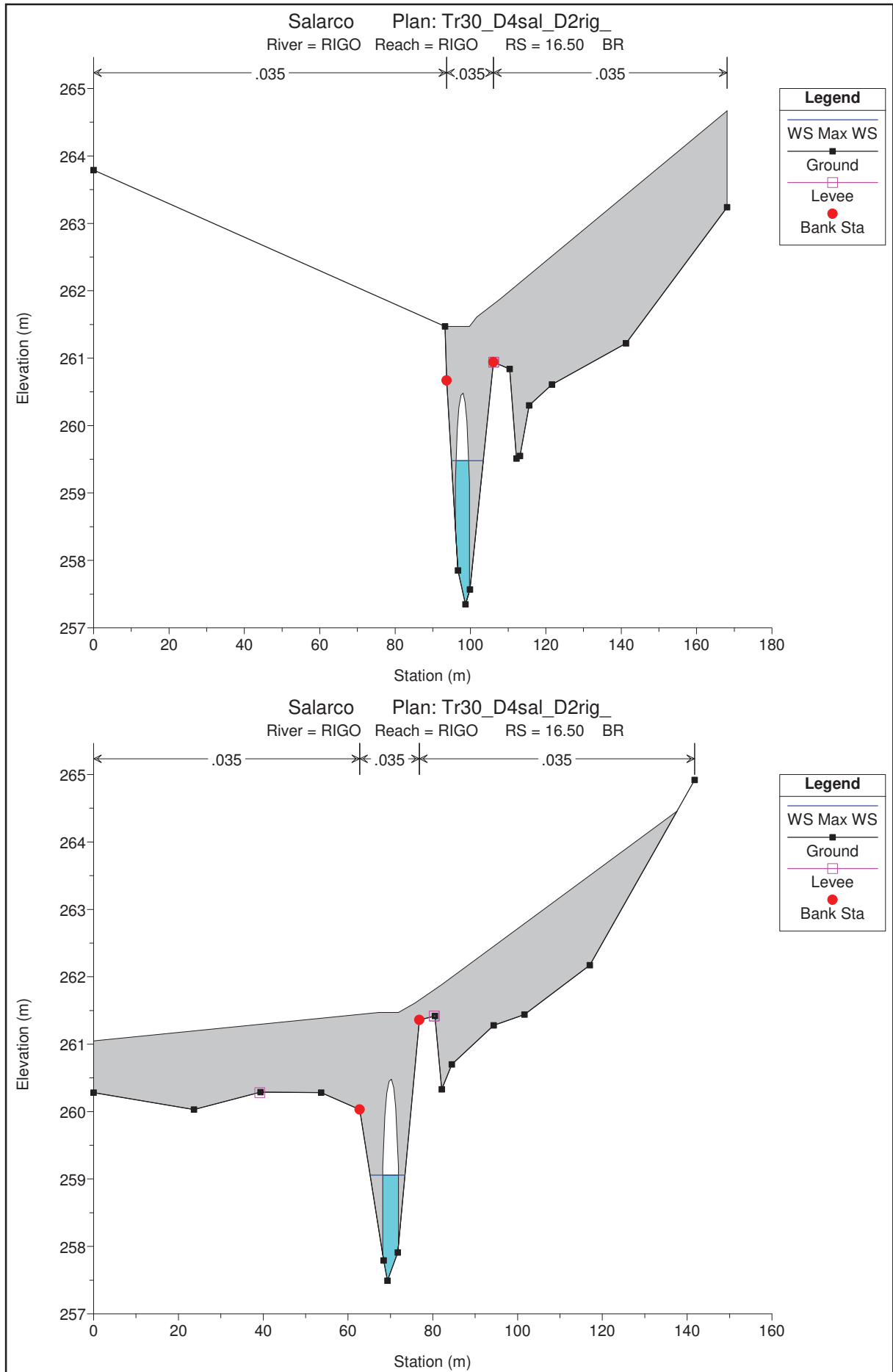


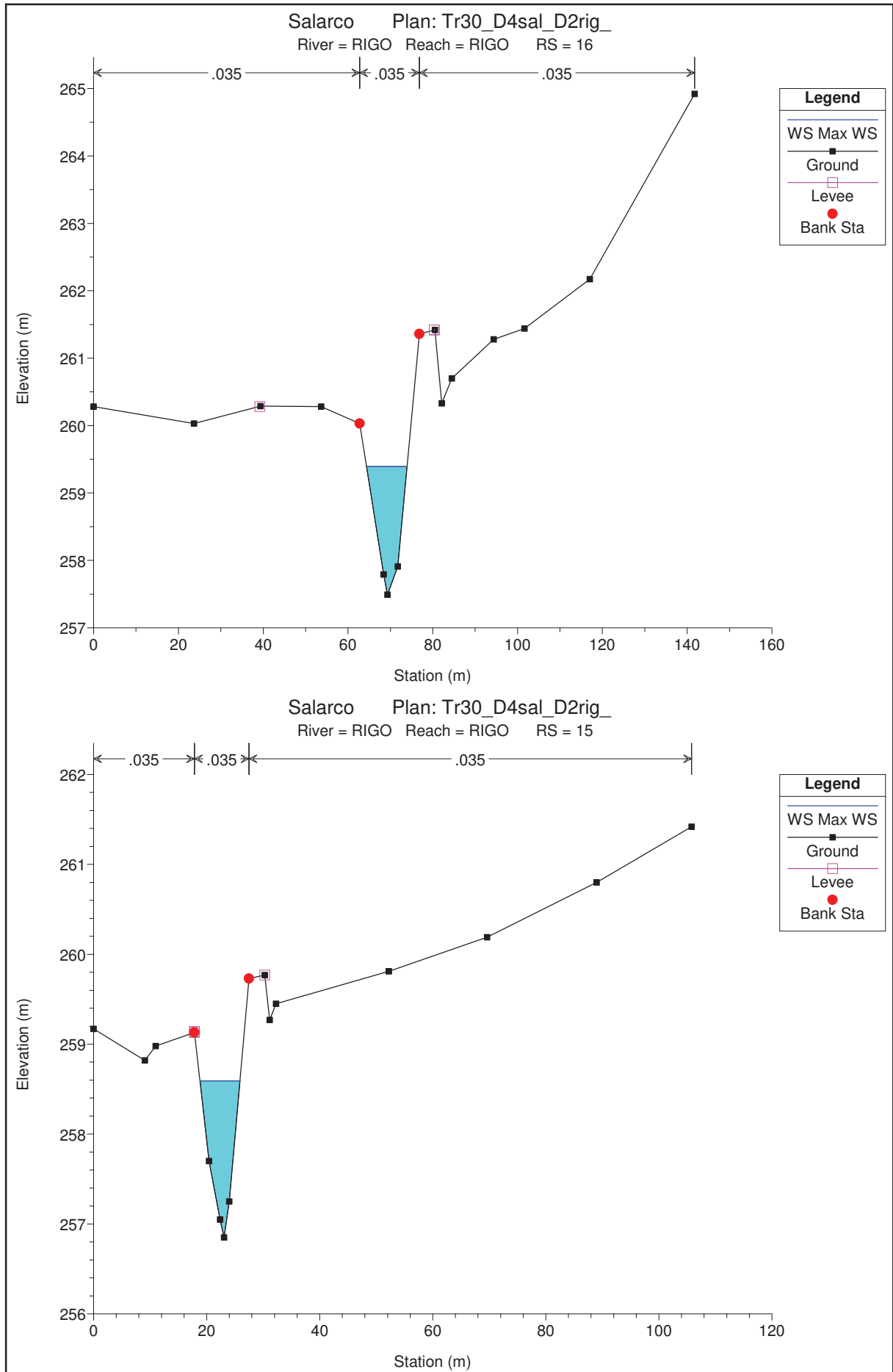


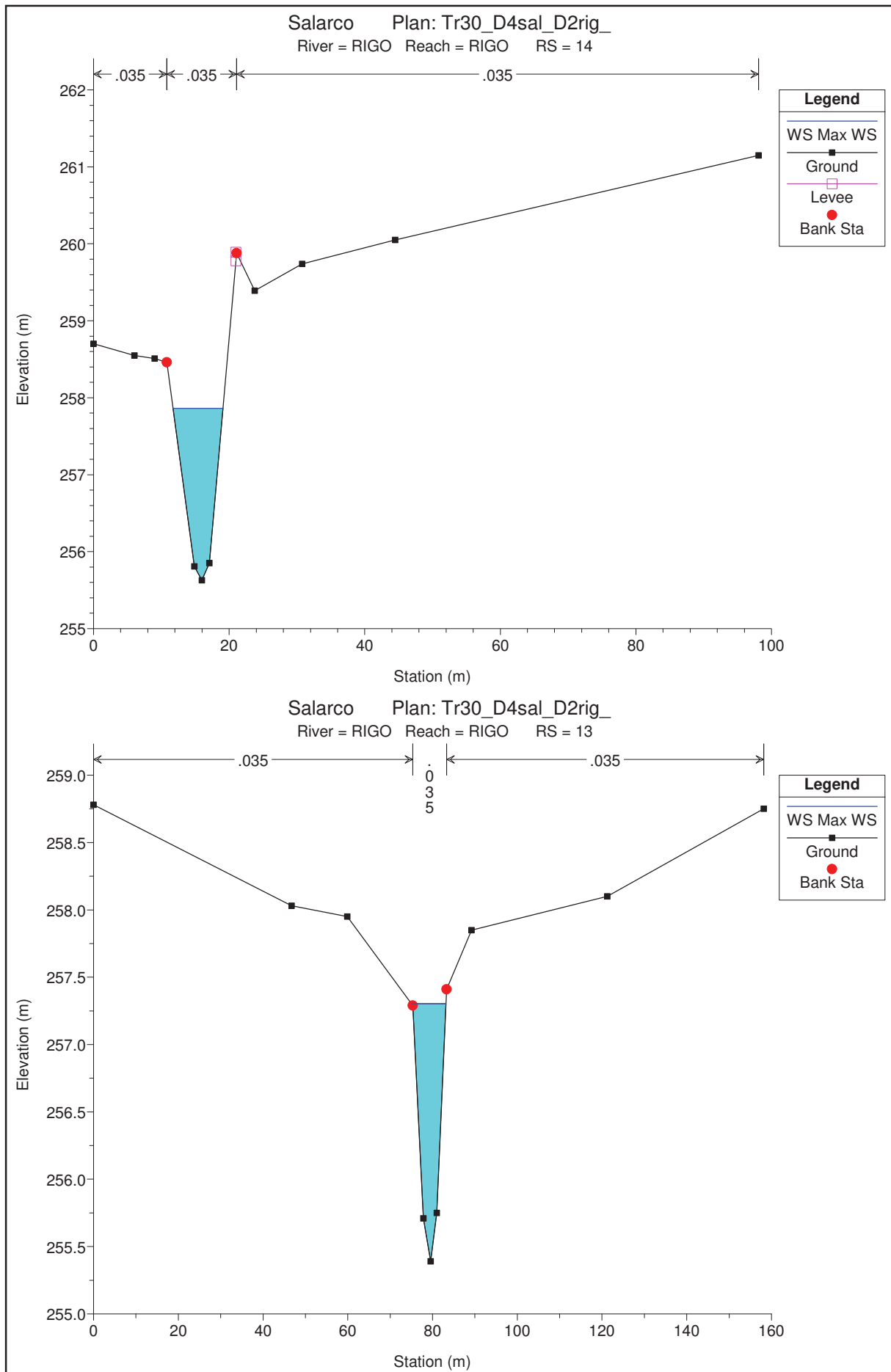


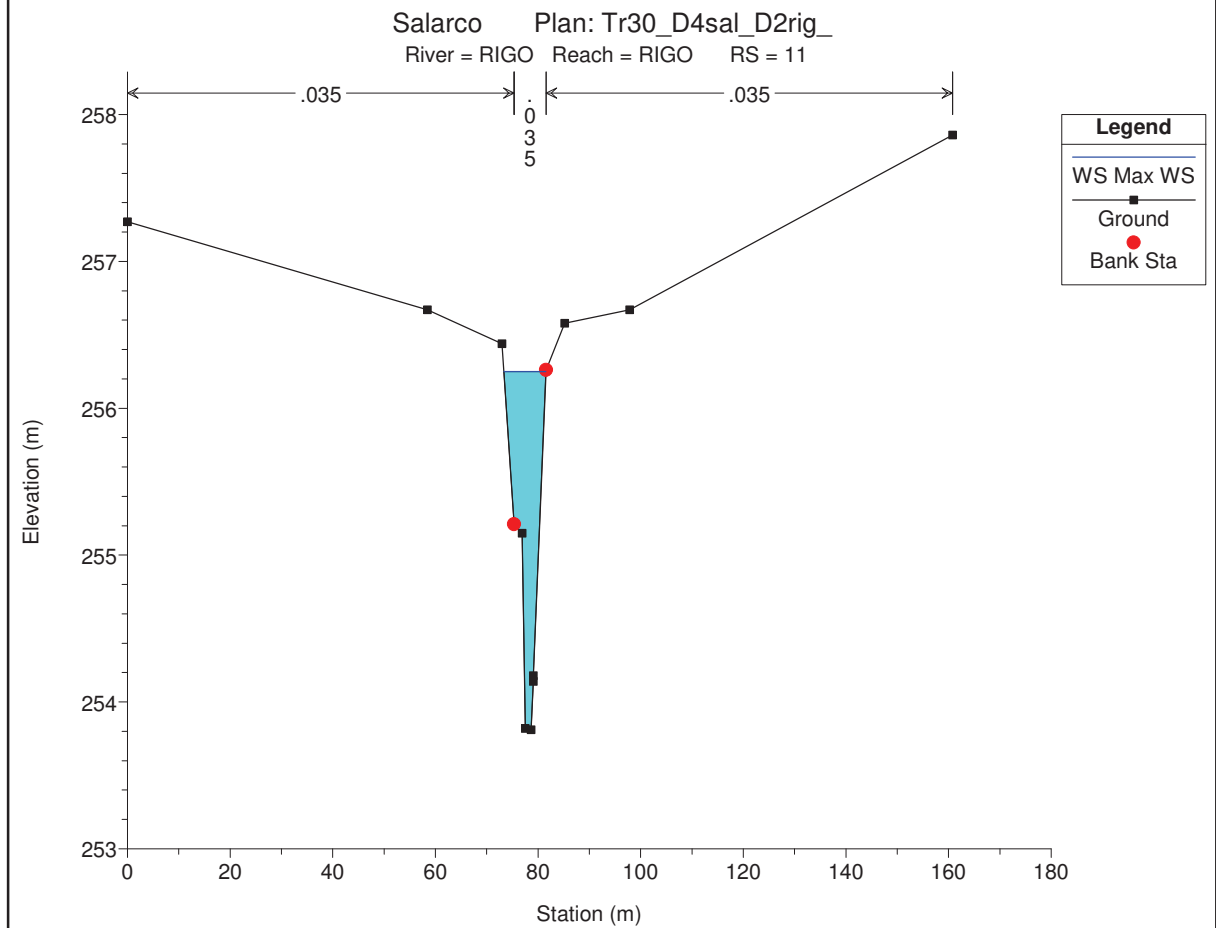
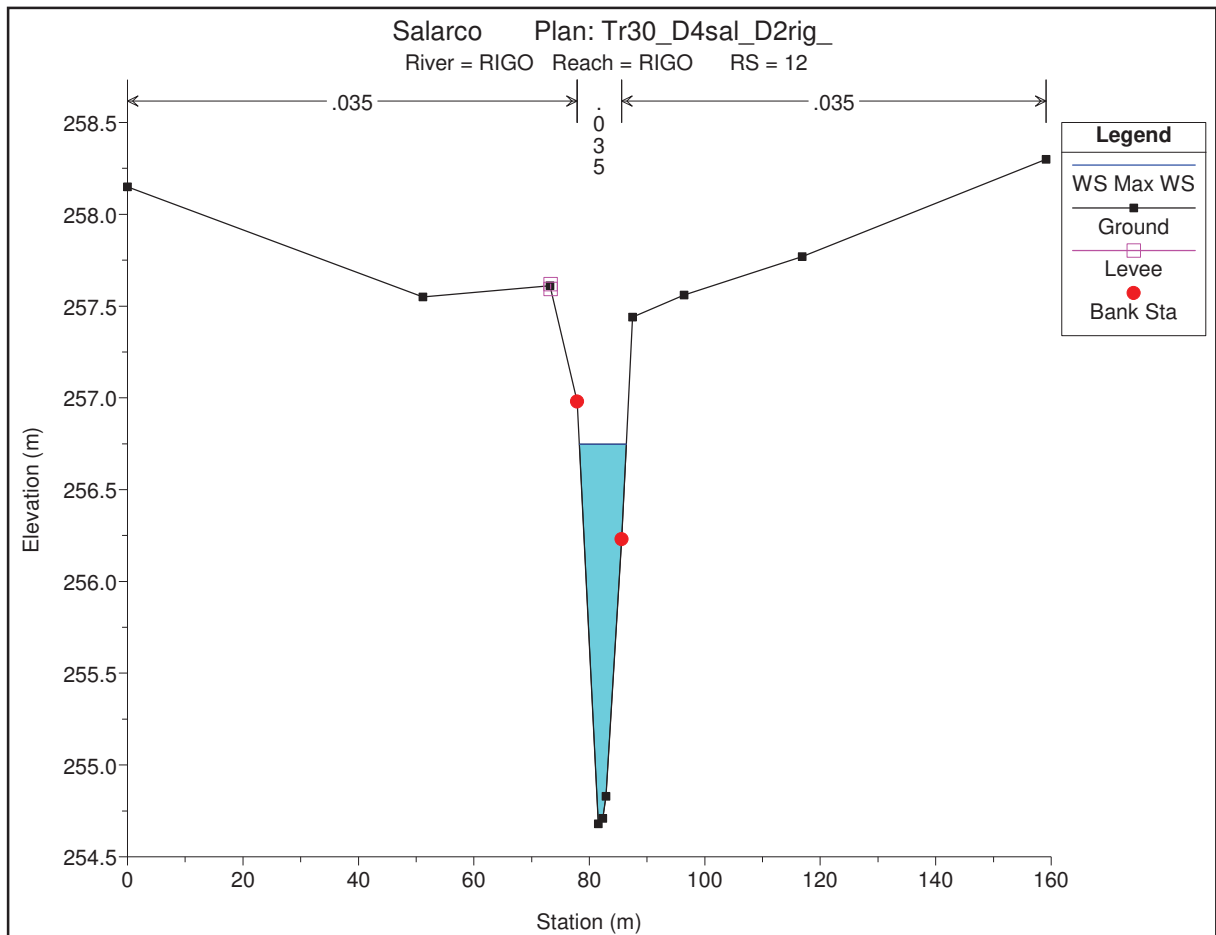


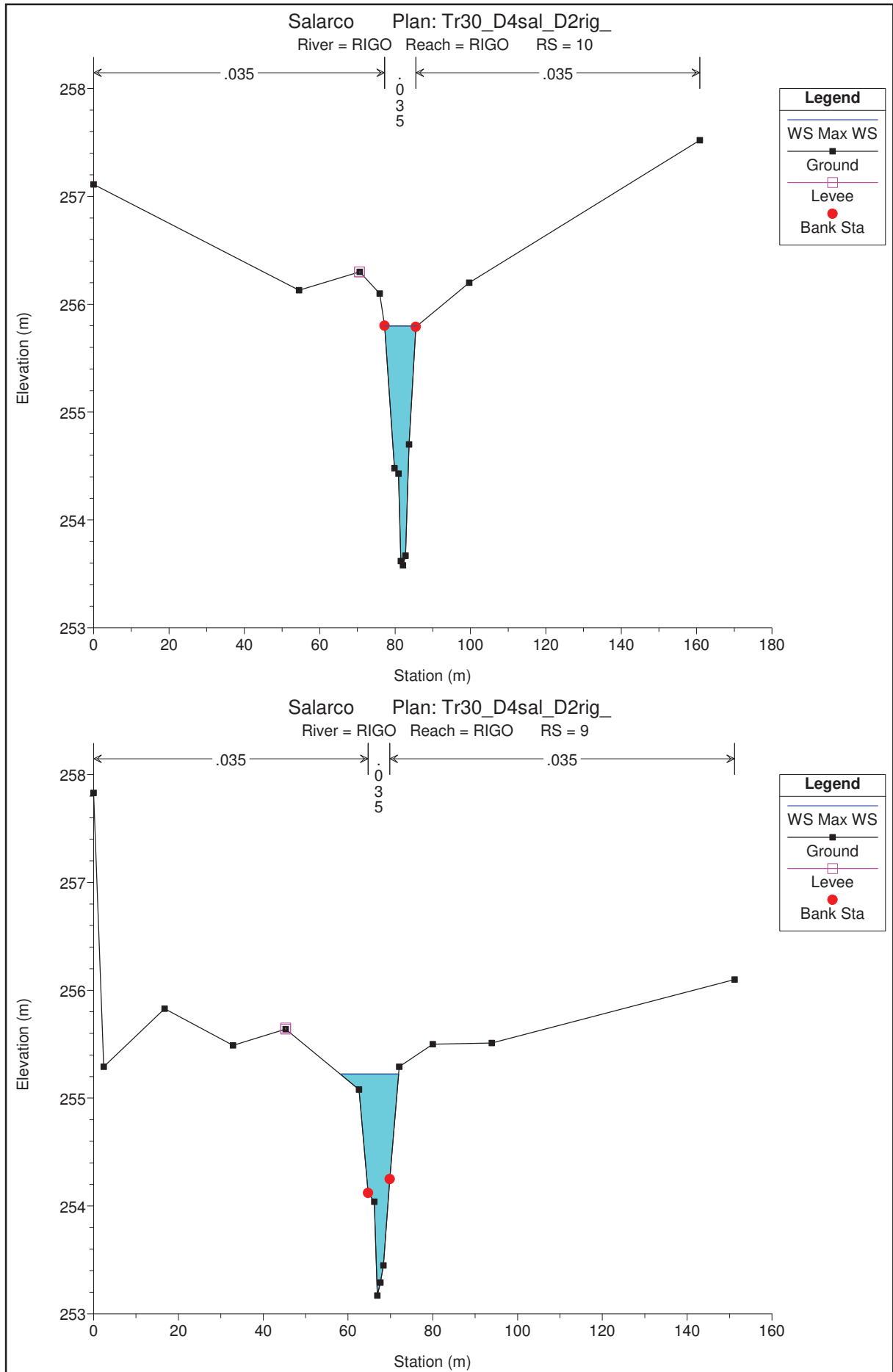


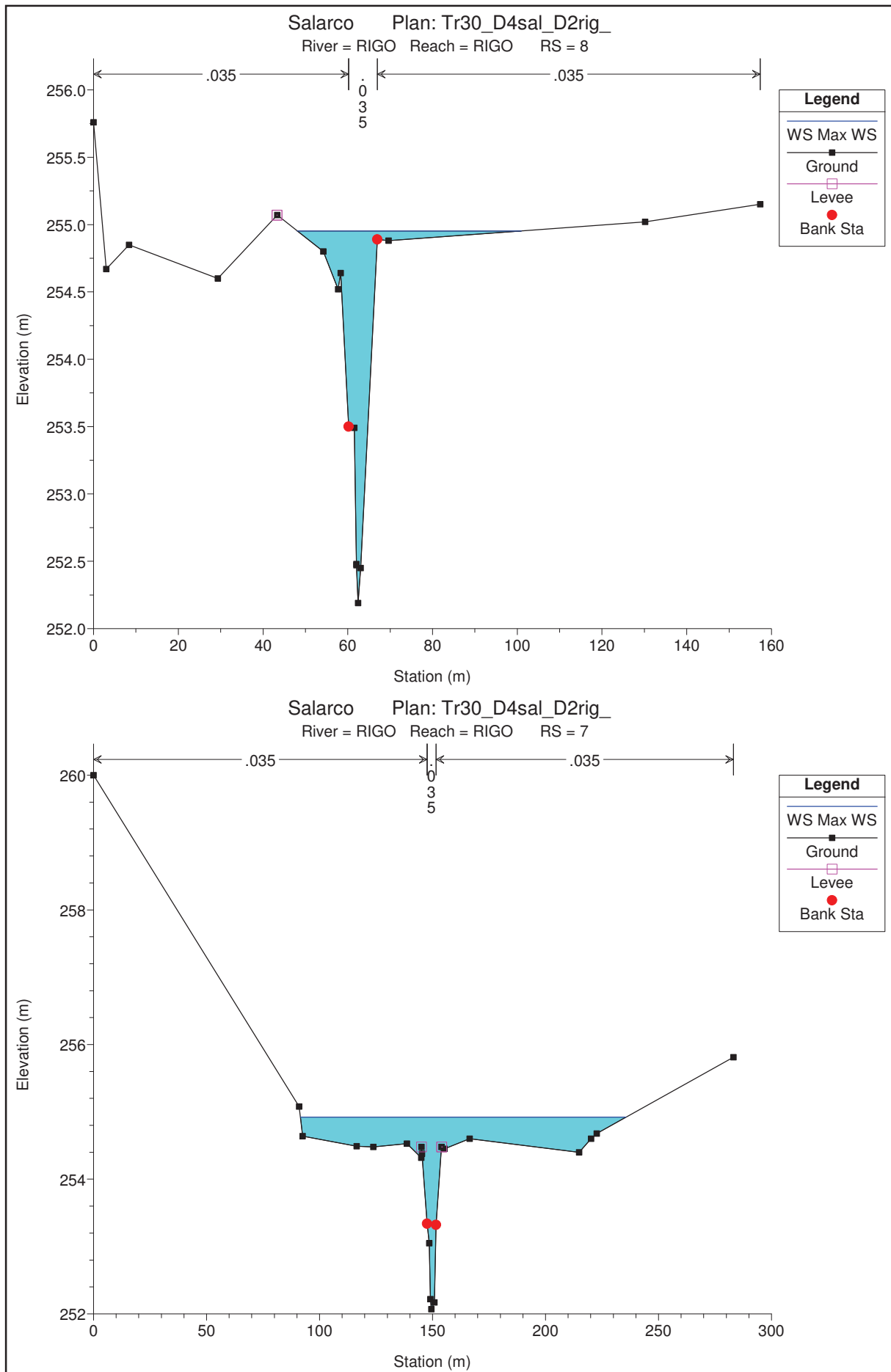


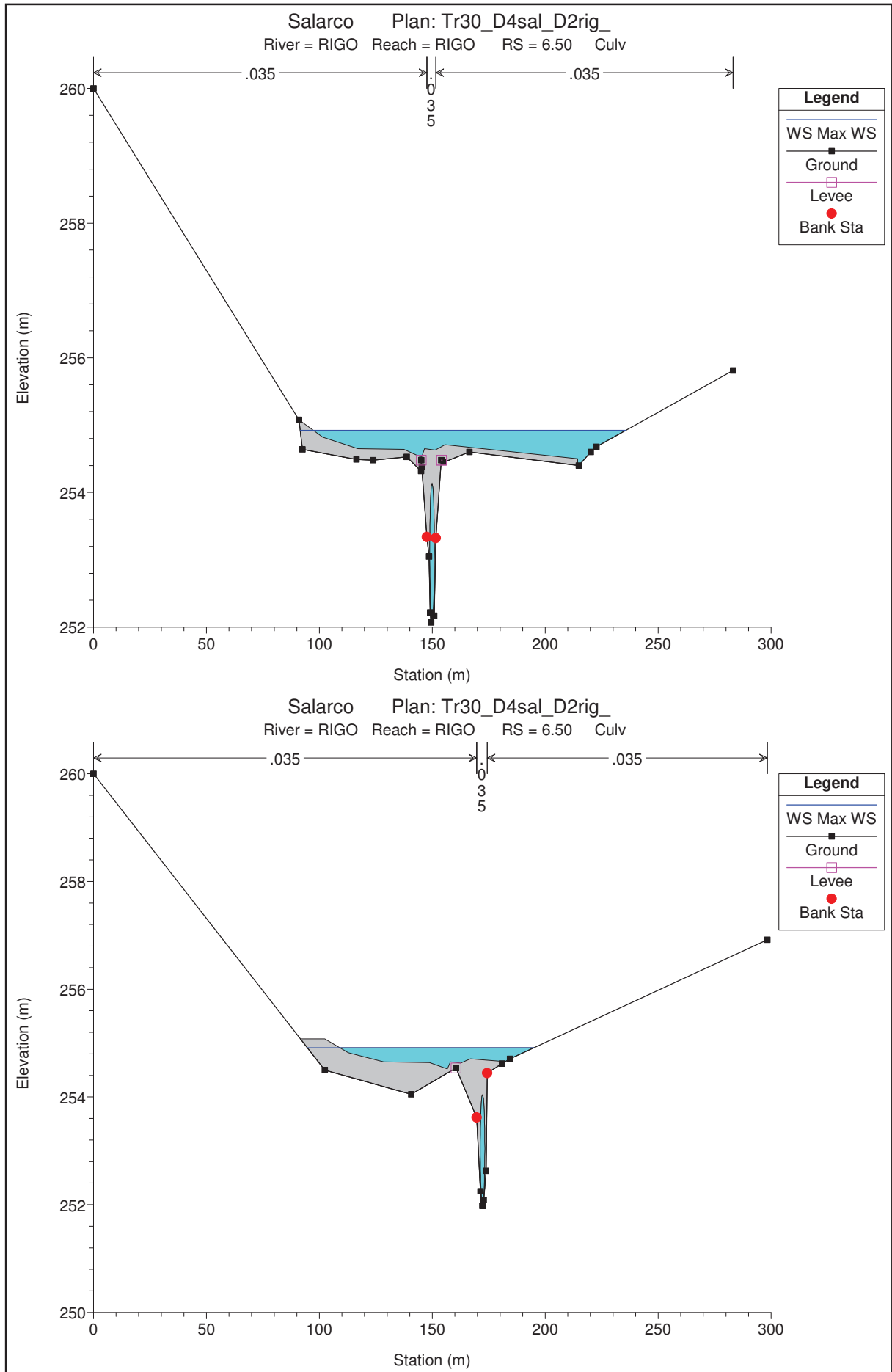


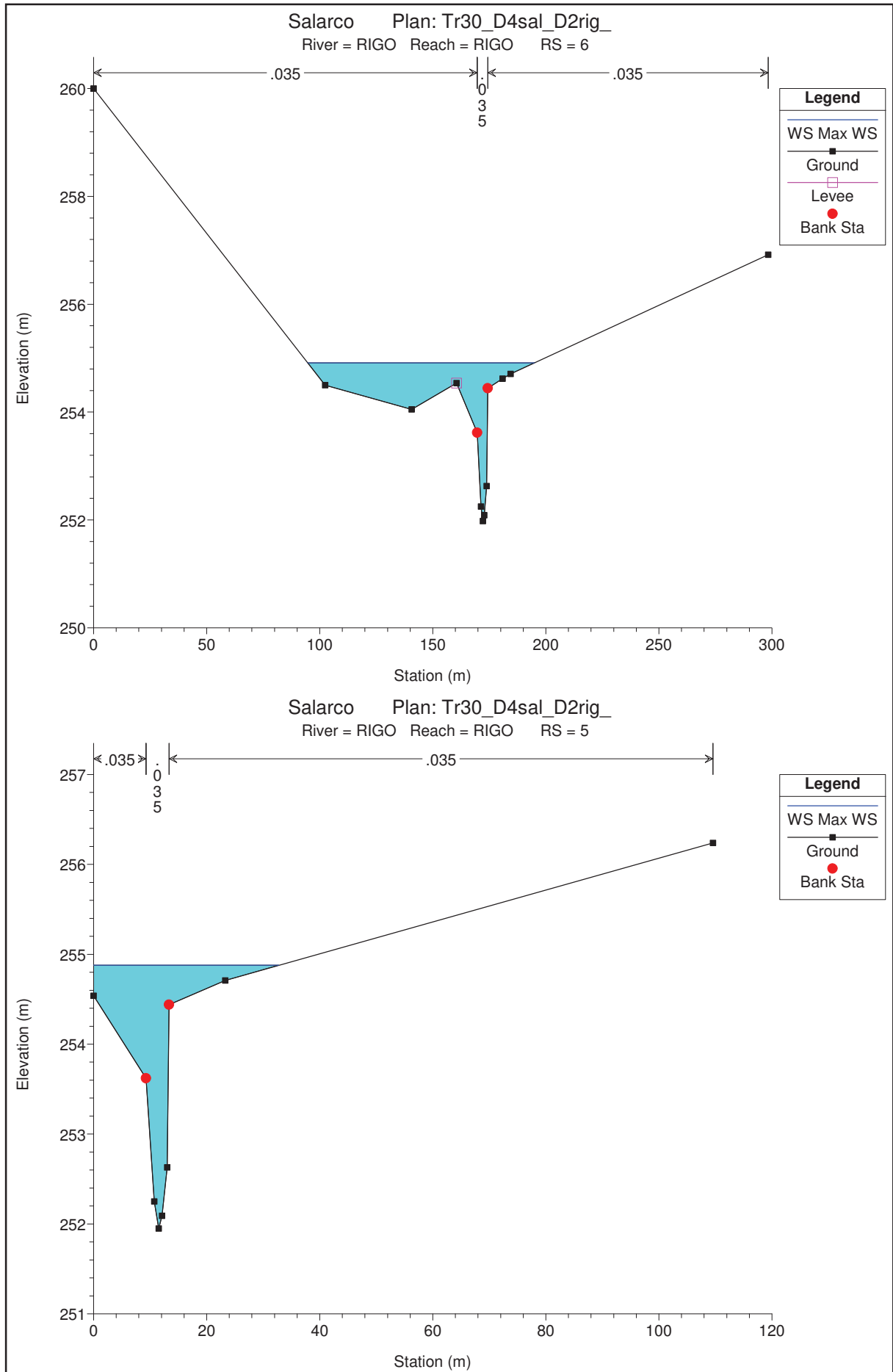


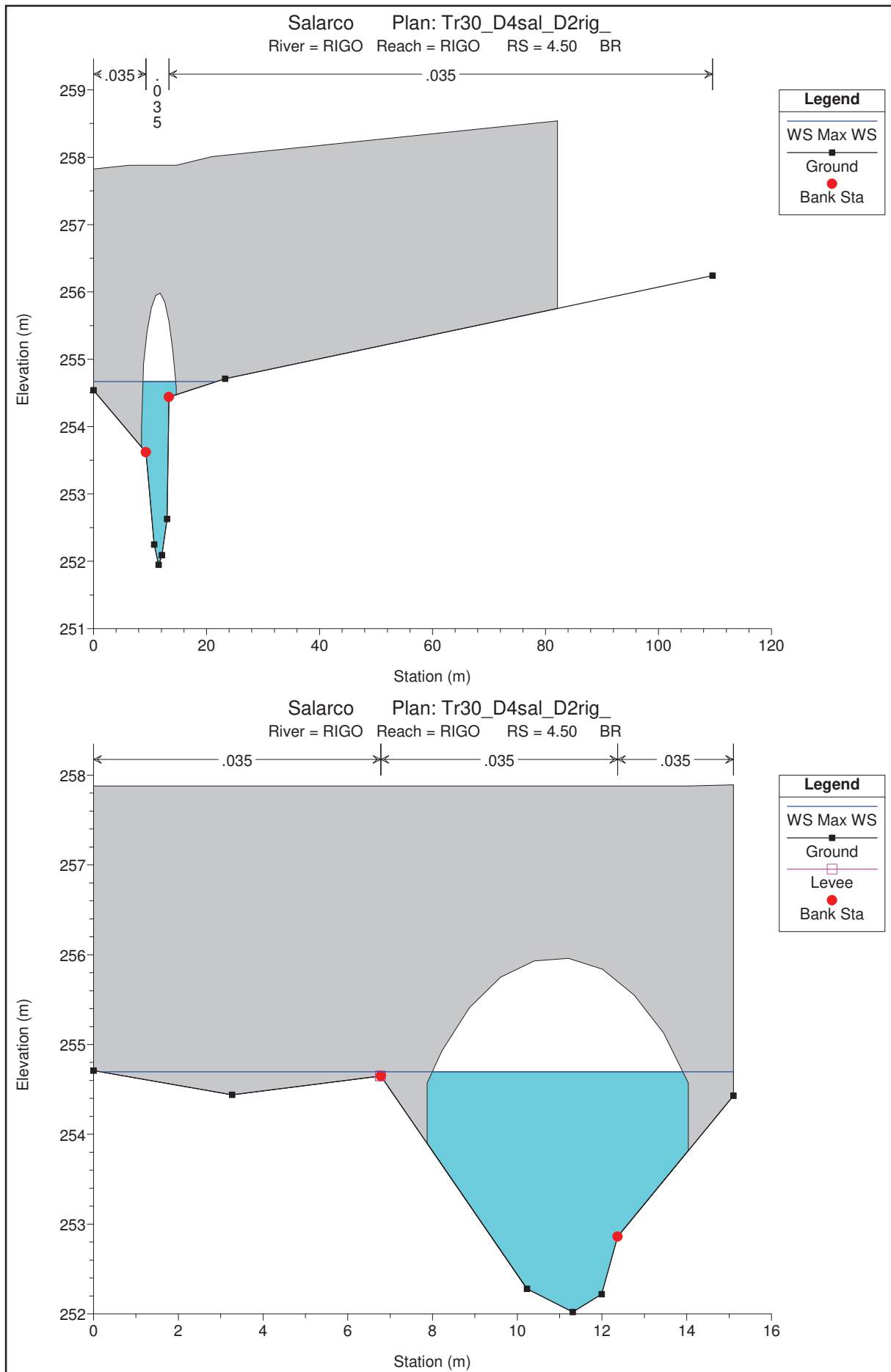


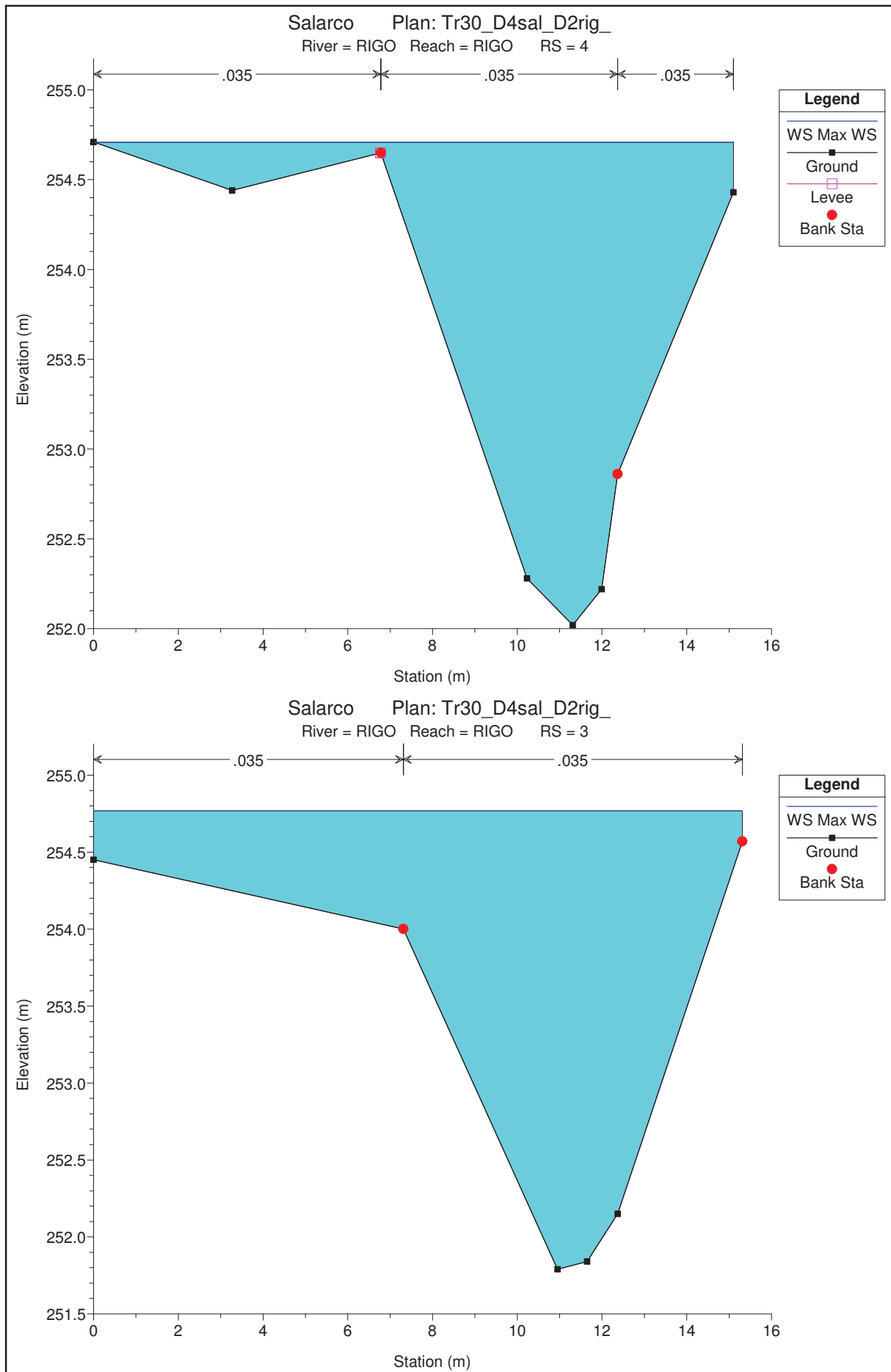


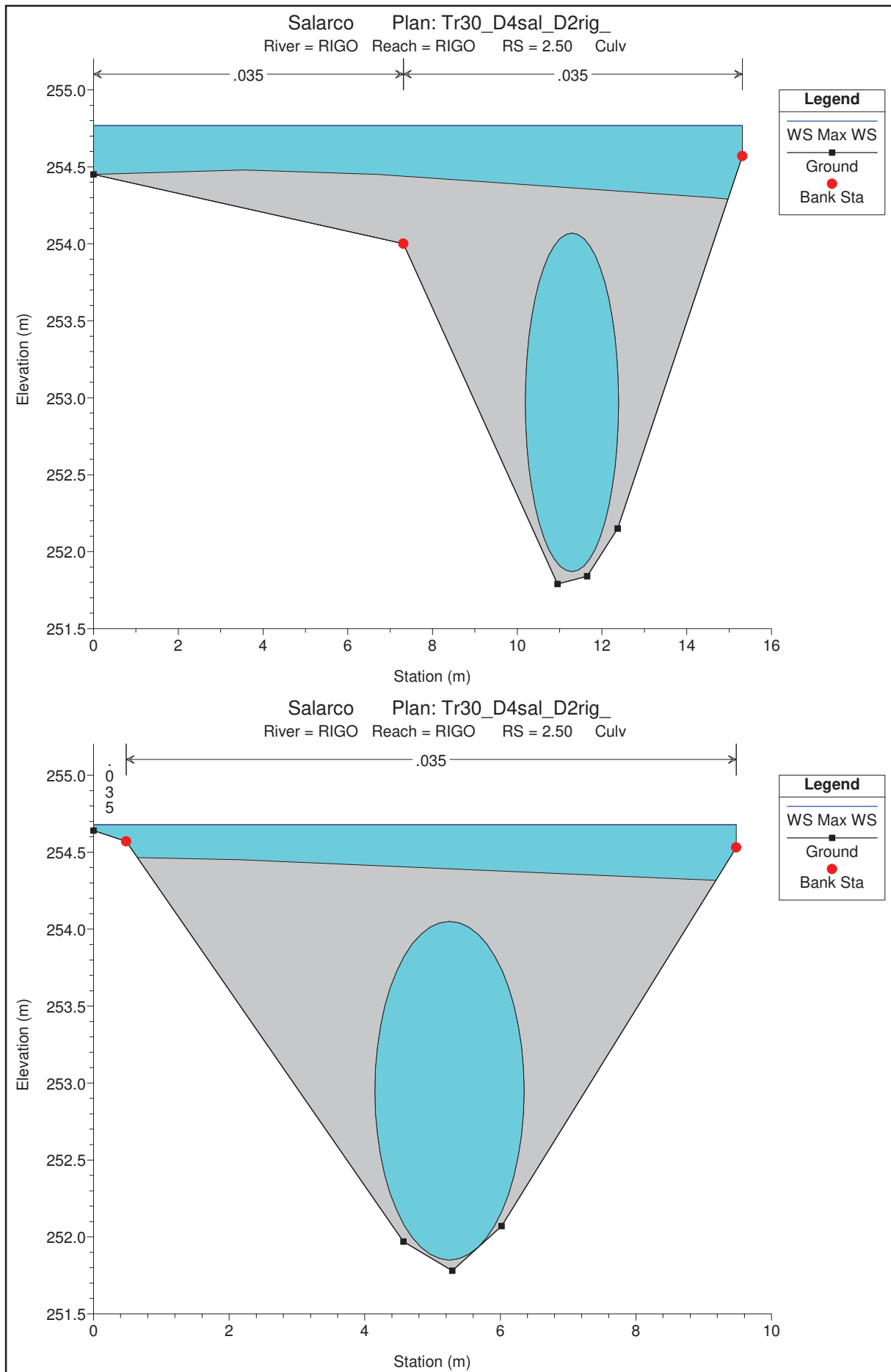


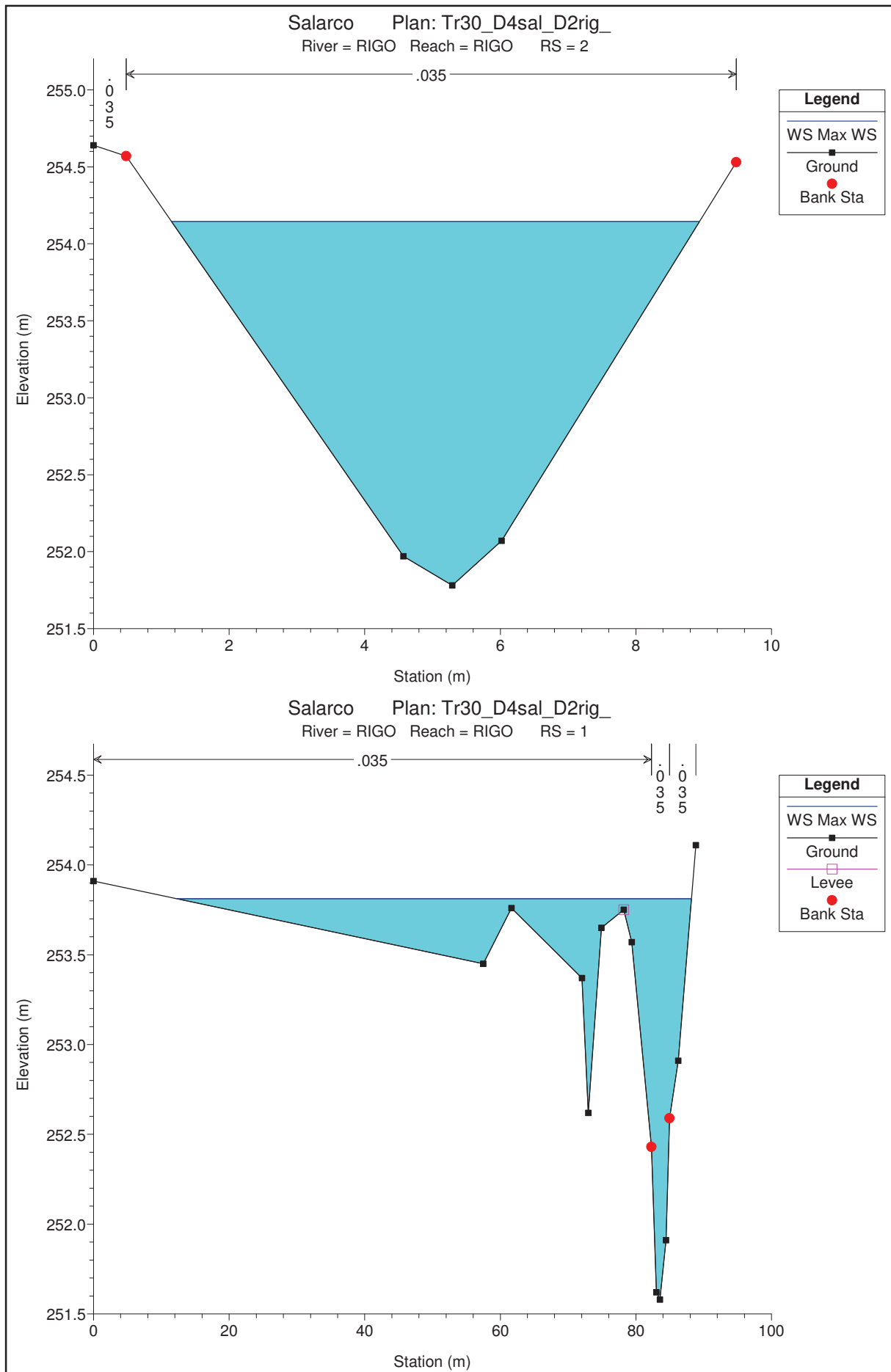


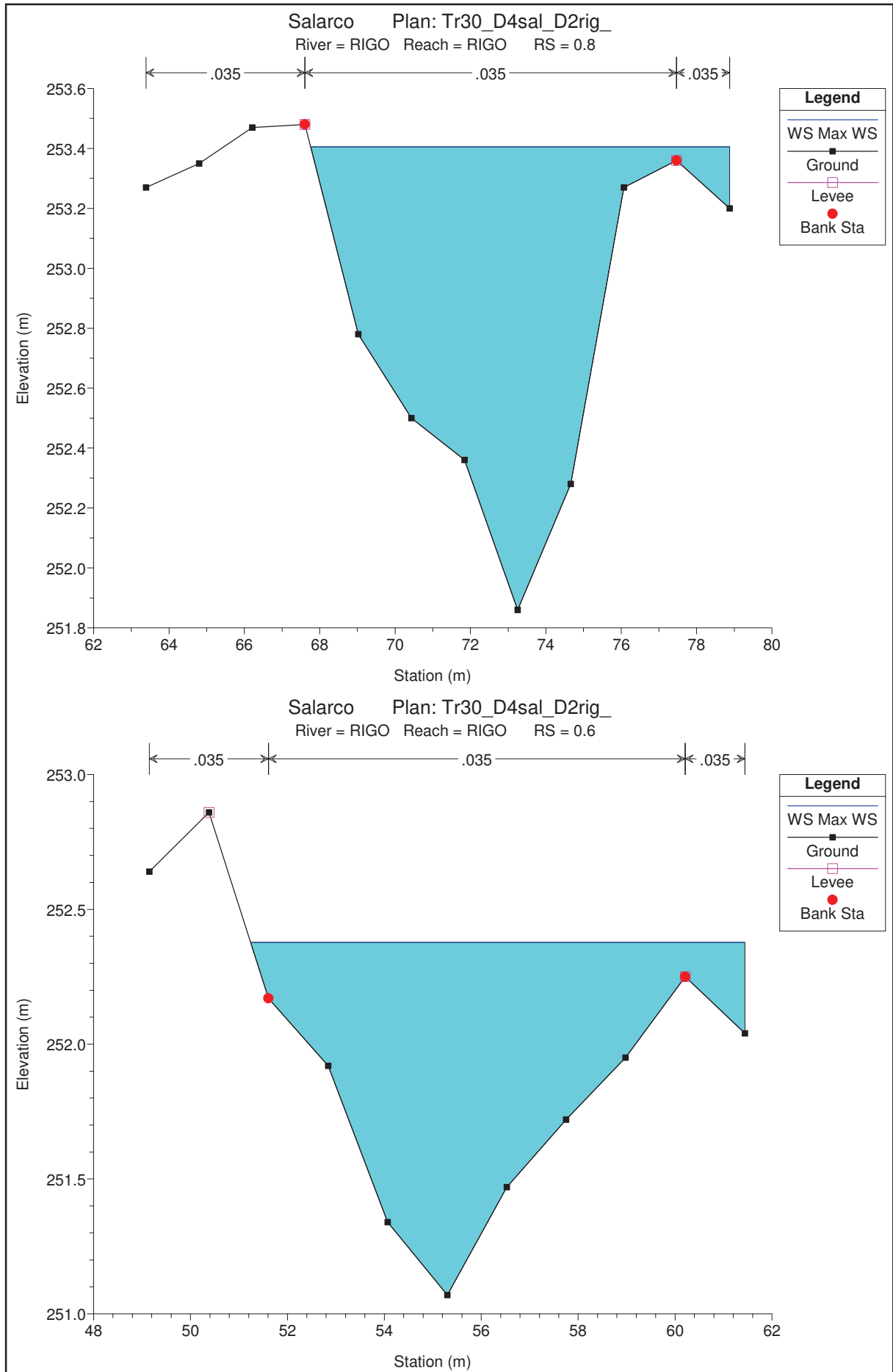


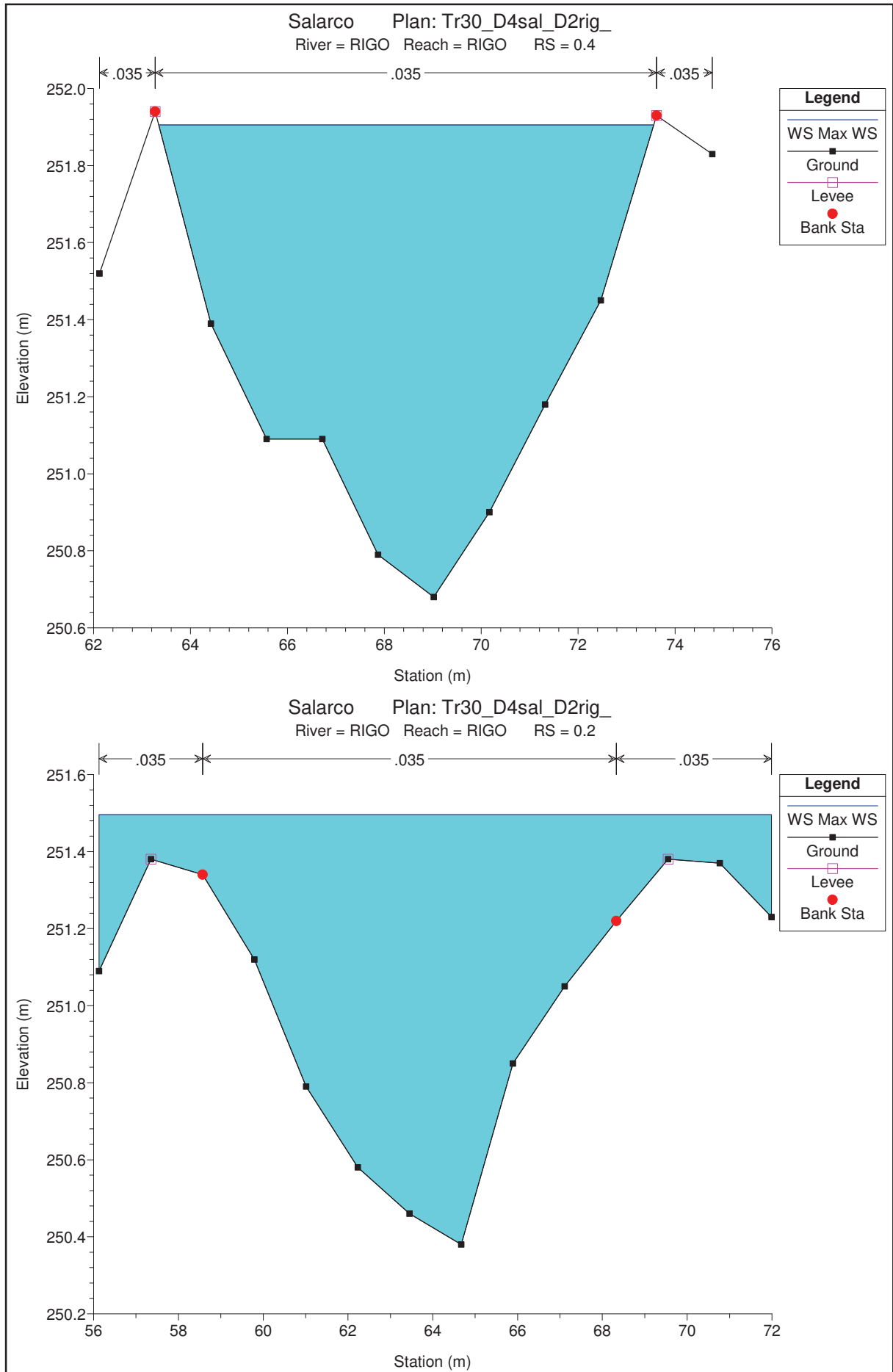














ALLEGATI

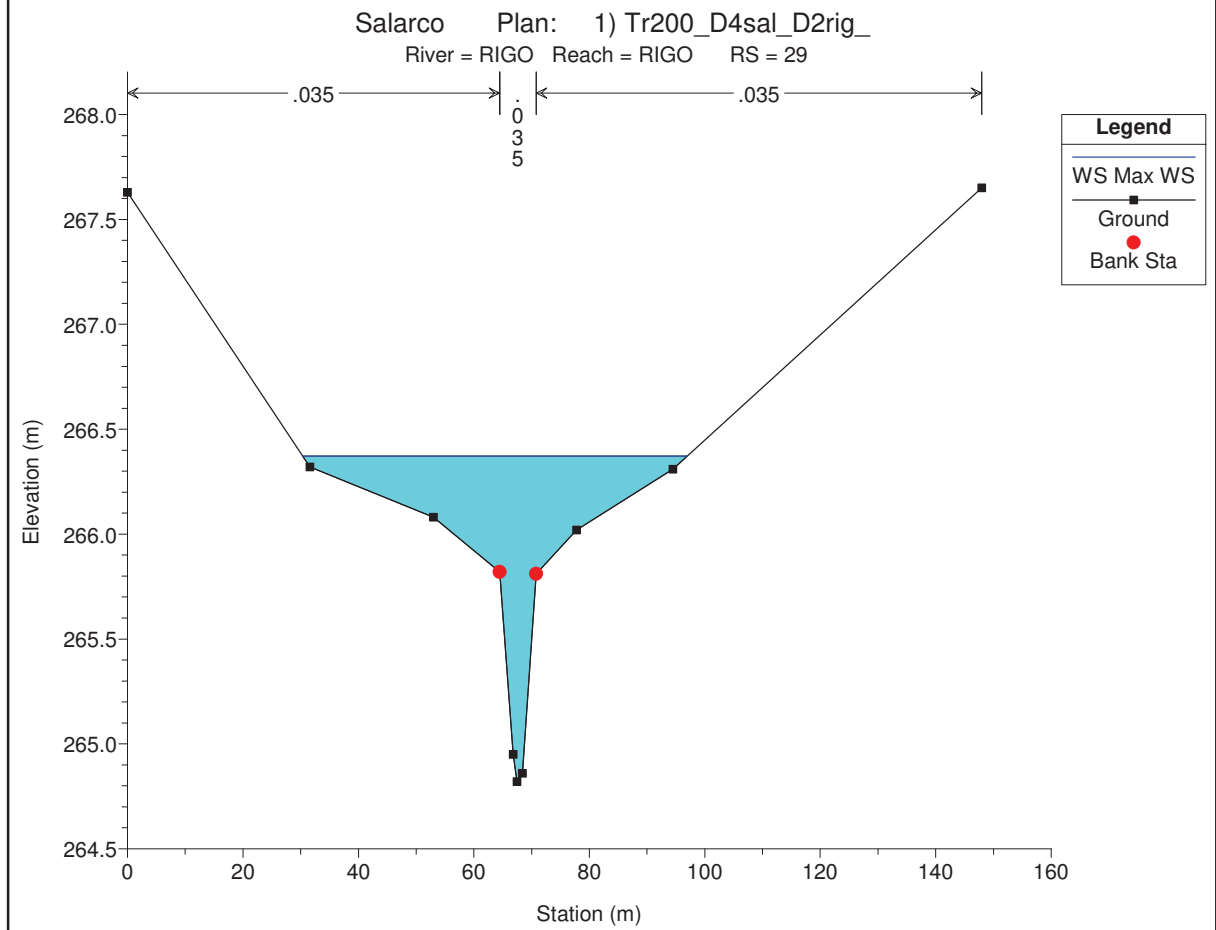
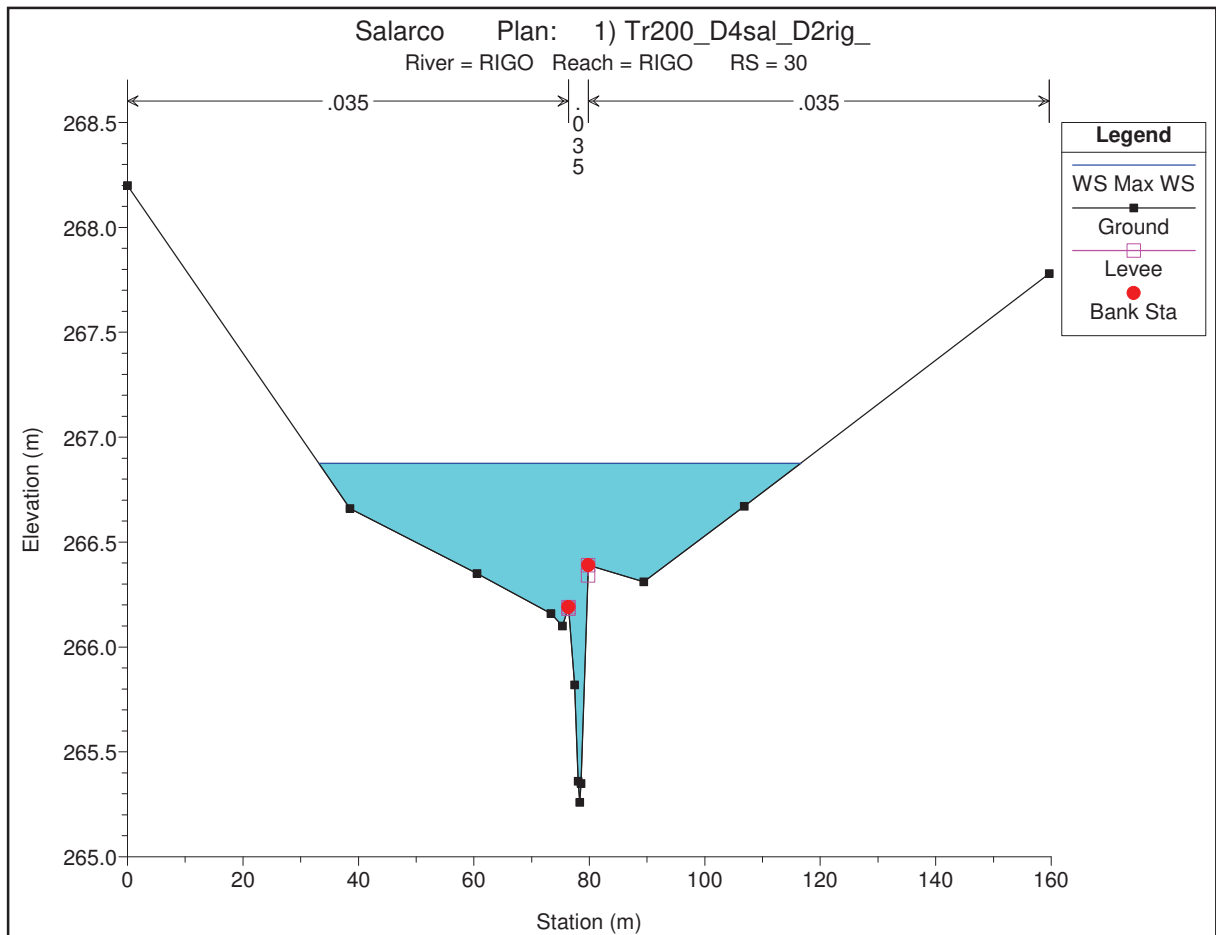
MODELLAZIONE HEC-RAS 5.0.6 "Salarco Rigo"

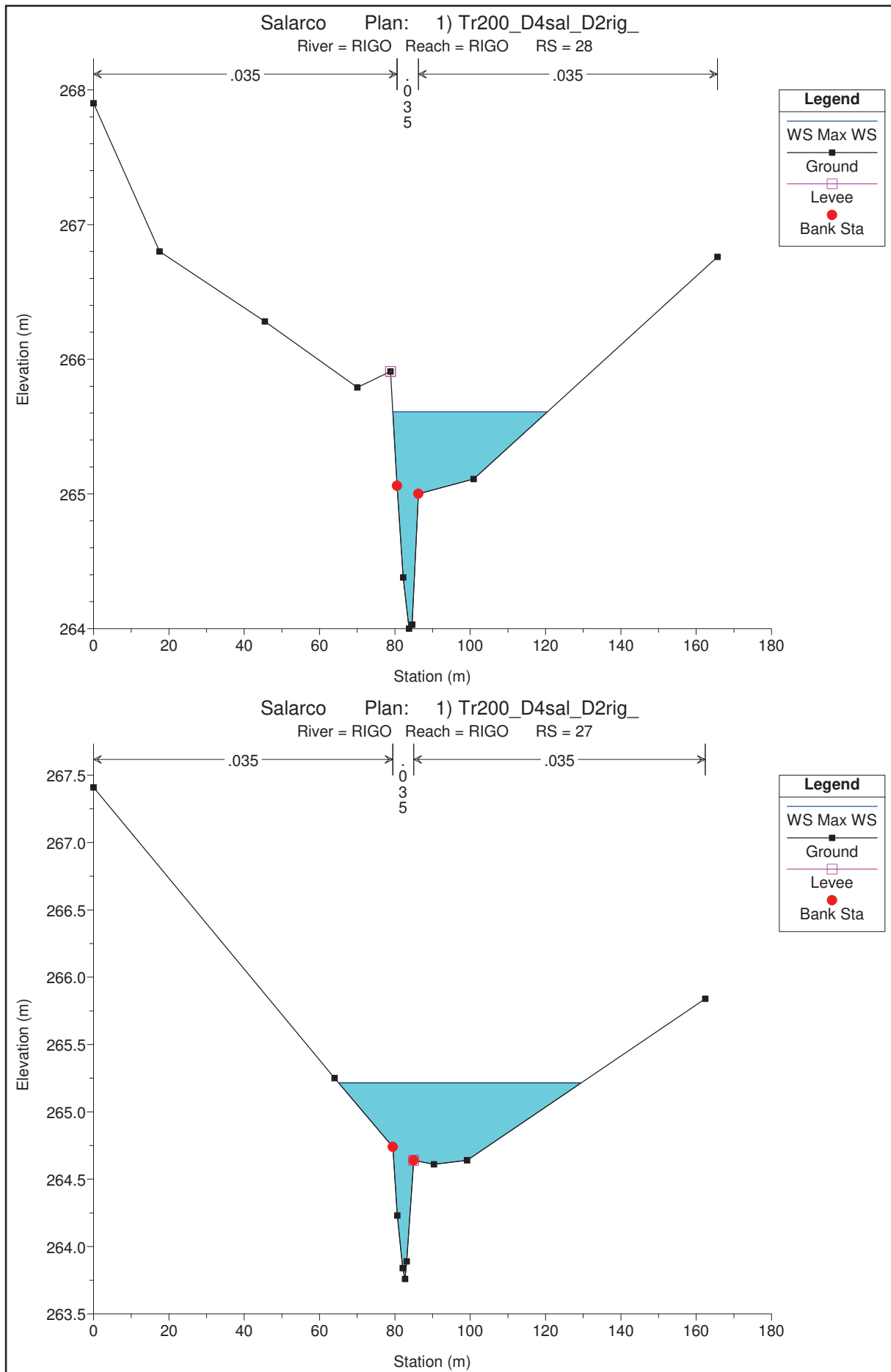
FOSSO RIGO

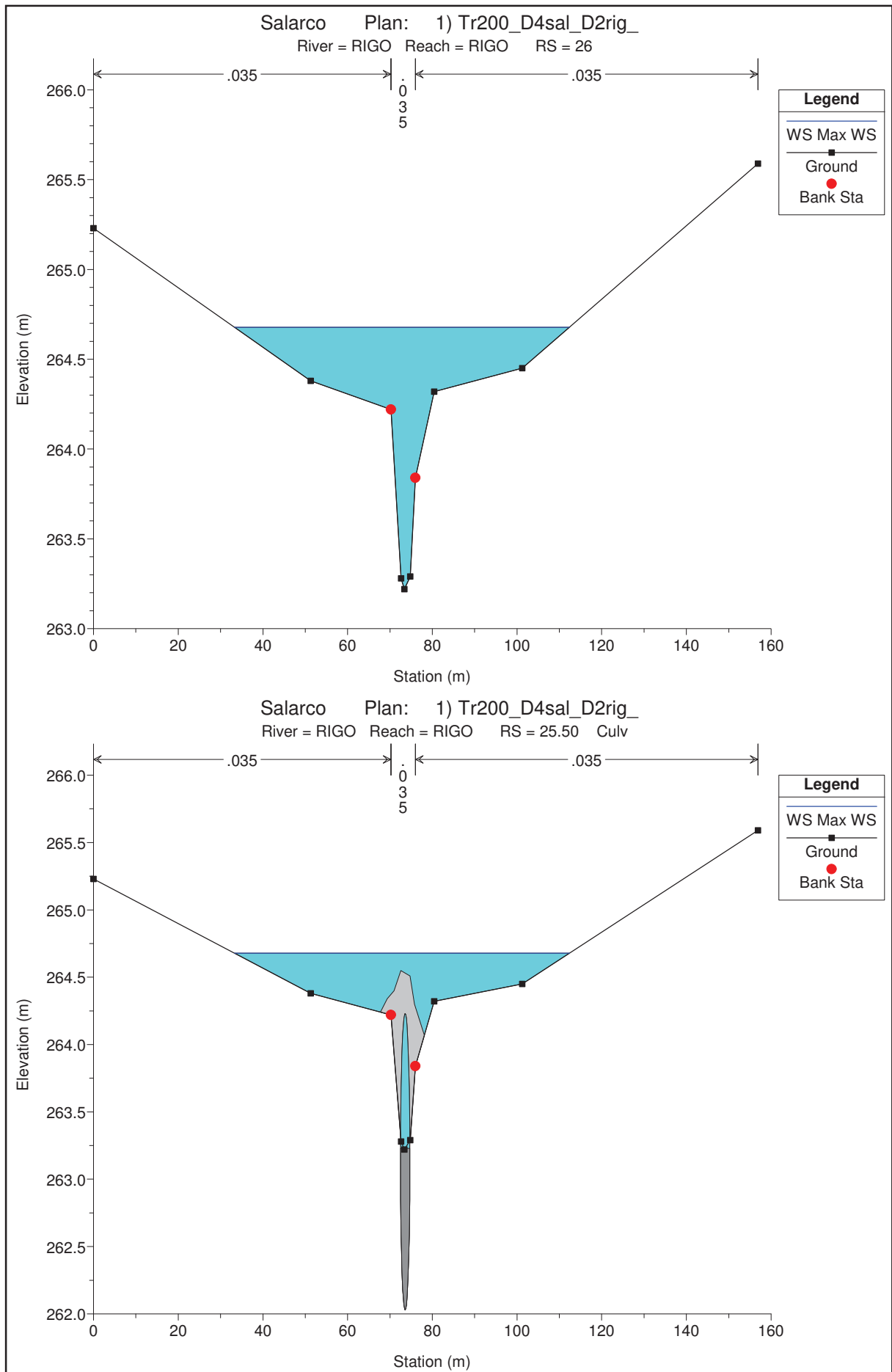
MODELLAZIONE PER TR=200 anni

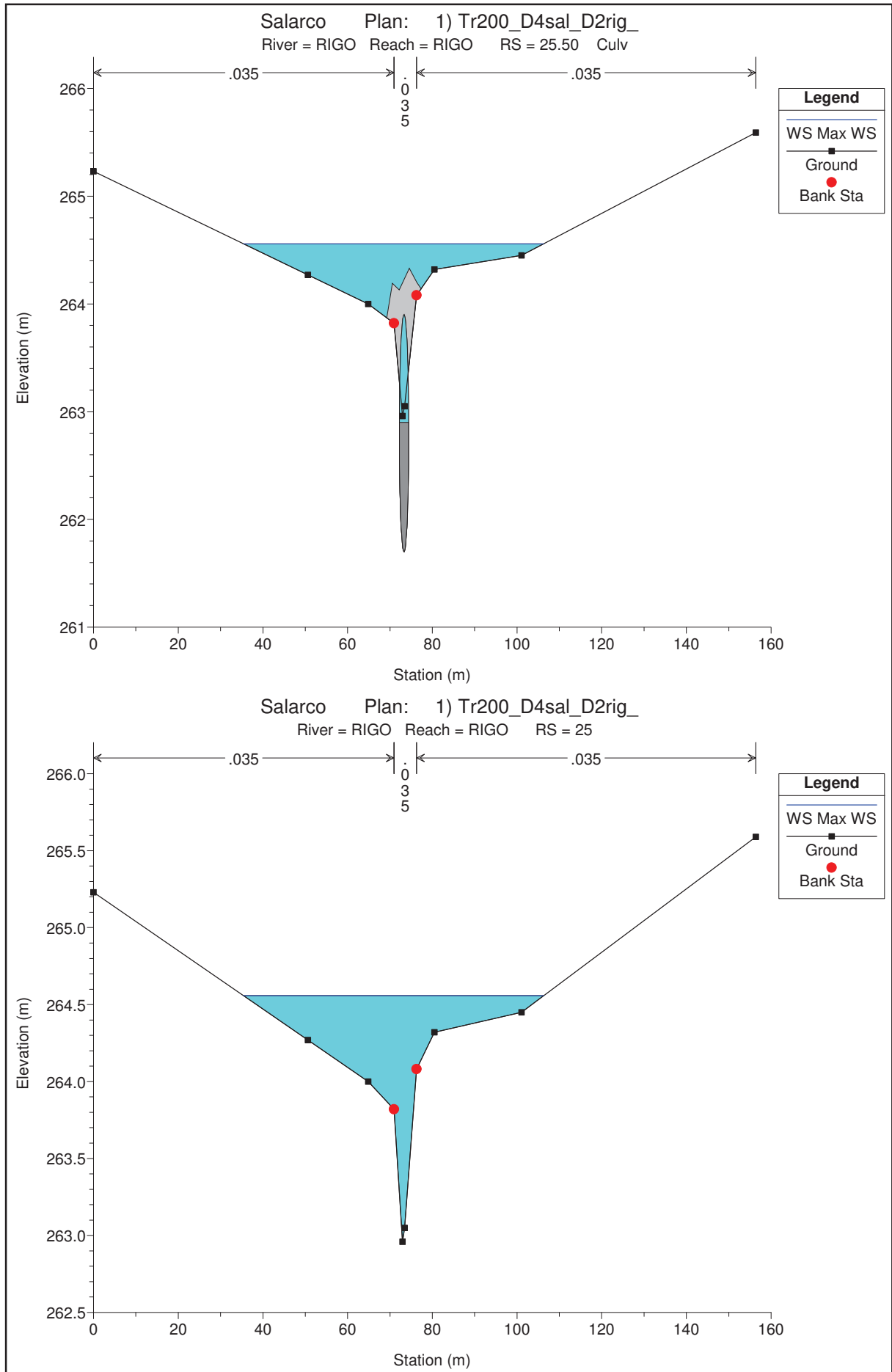
DURATE DI PIOGGIA: 2h

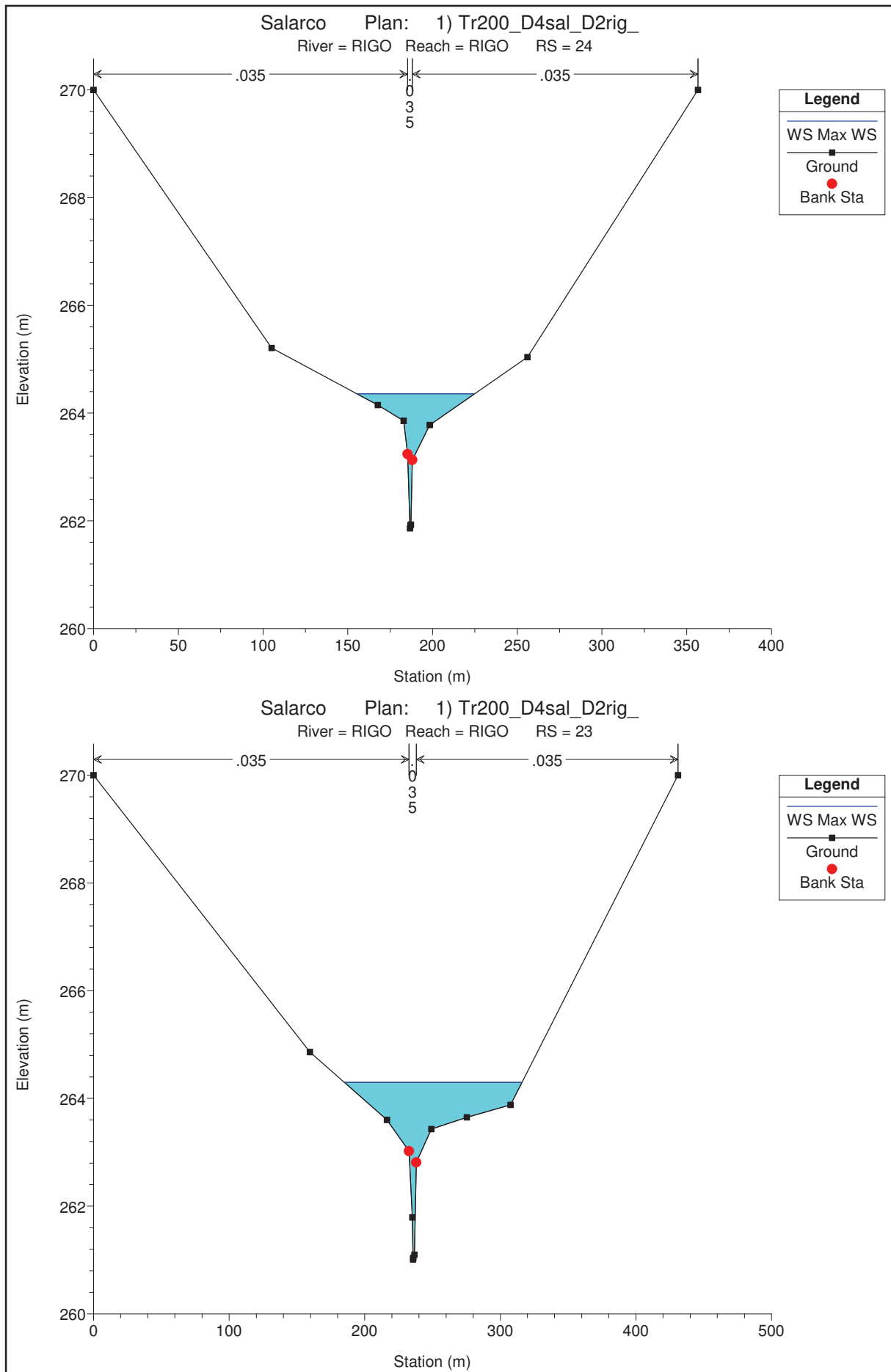
Sezioni Trasversali (da monte verso valle)

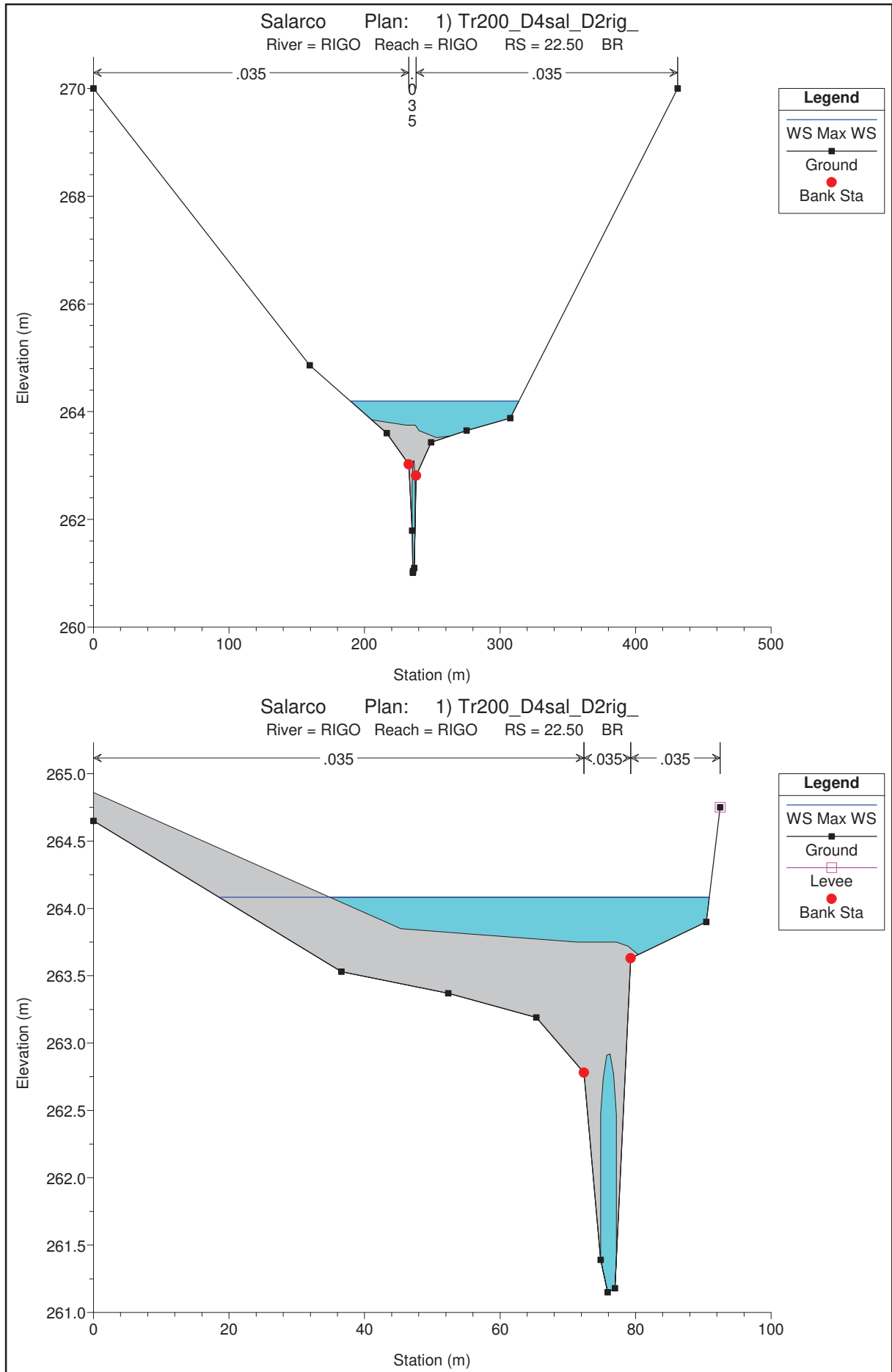


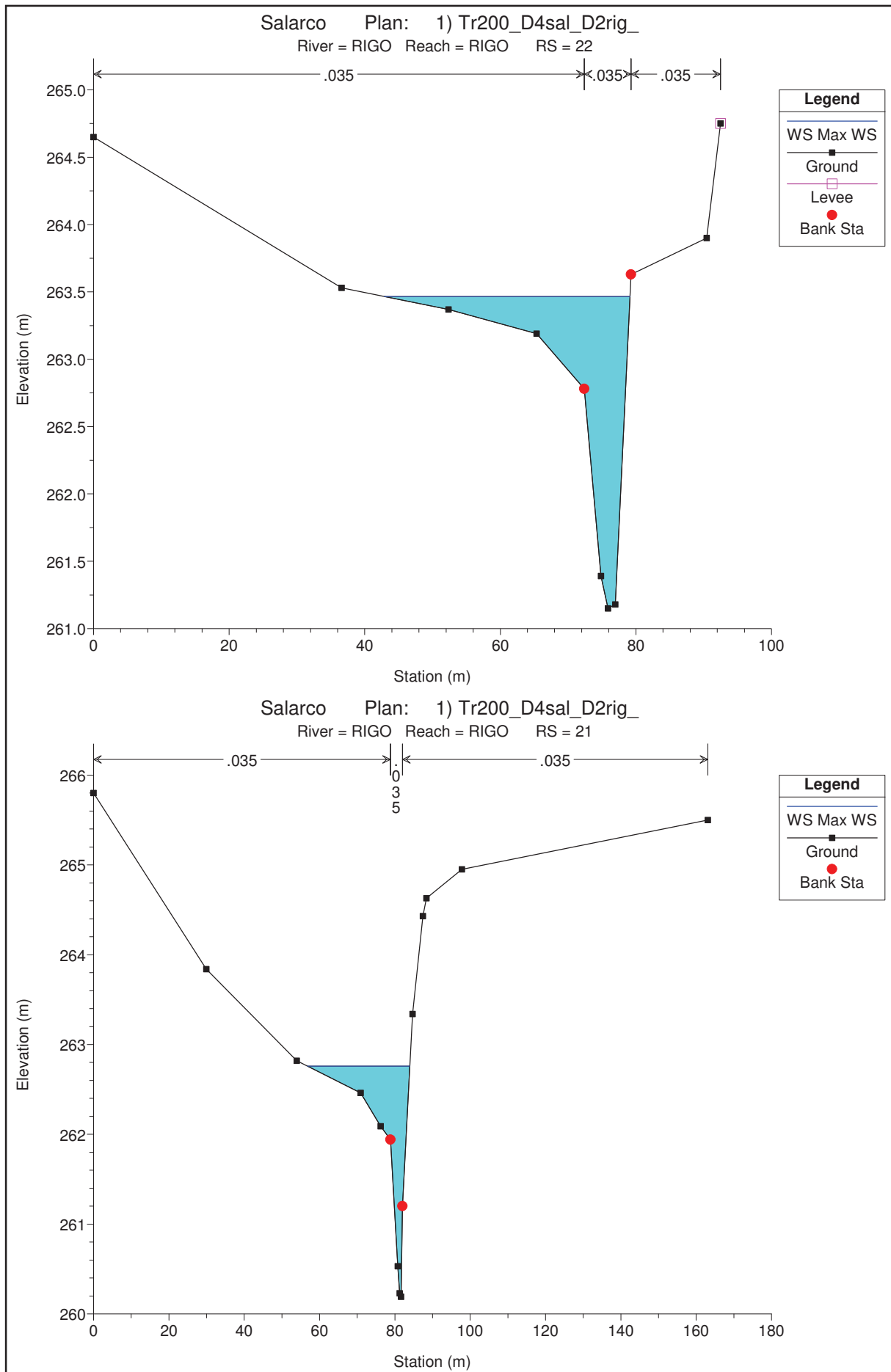


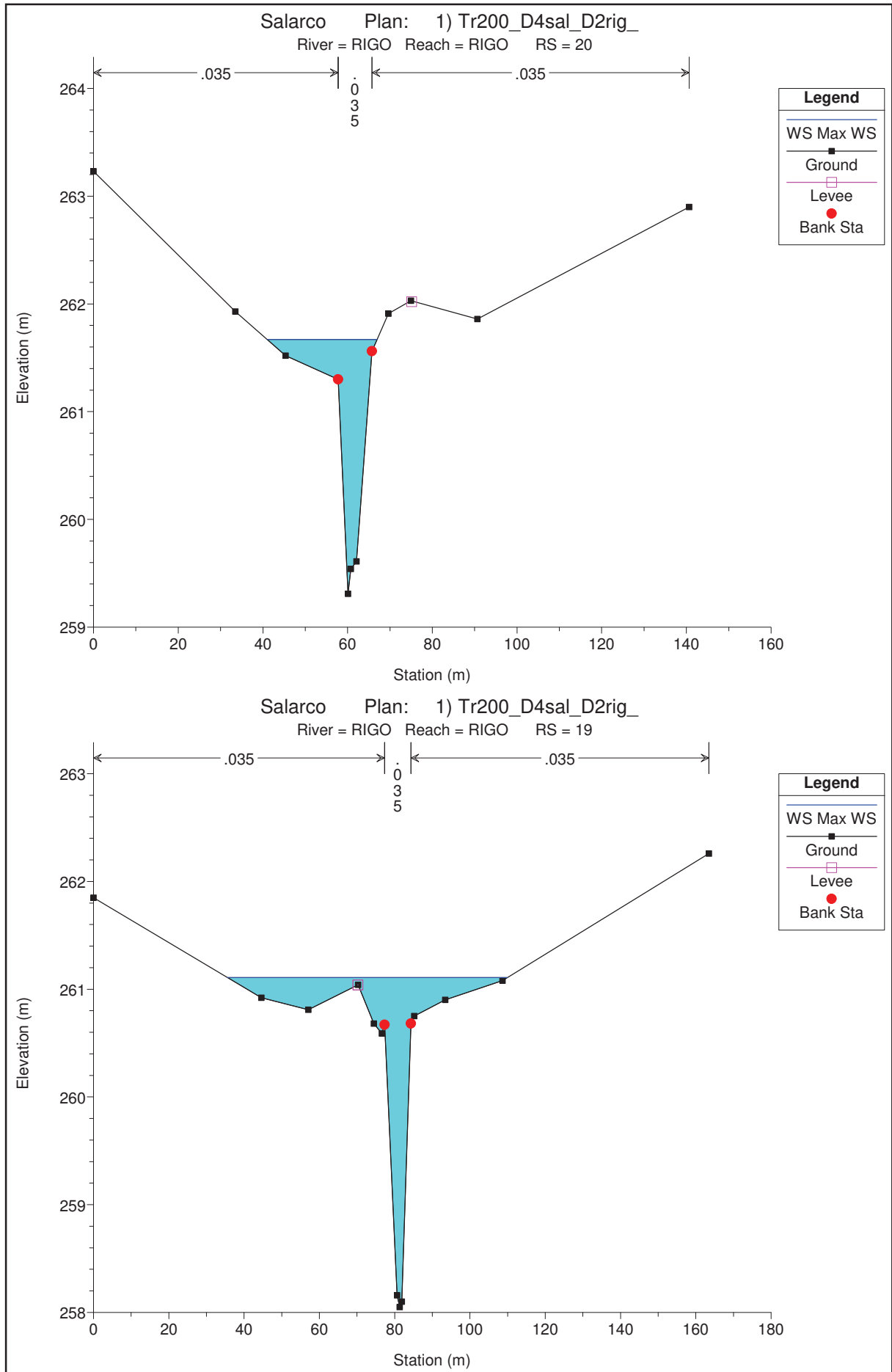


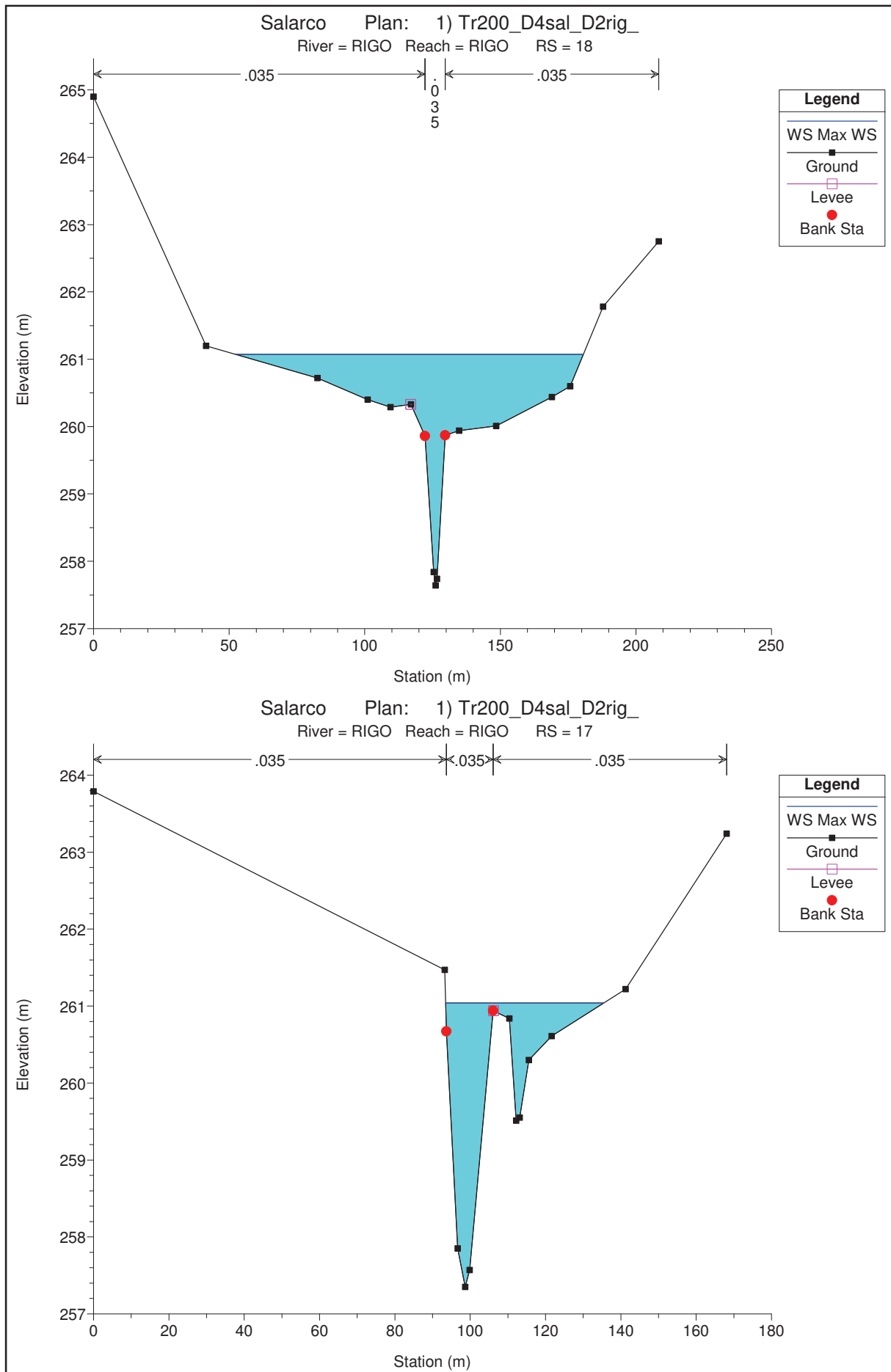


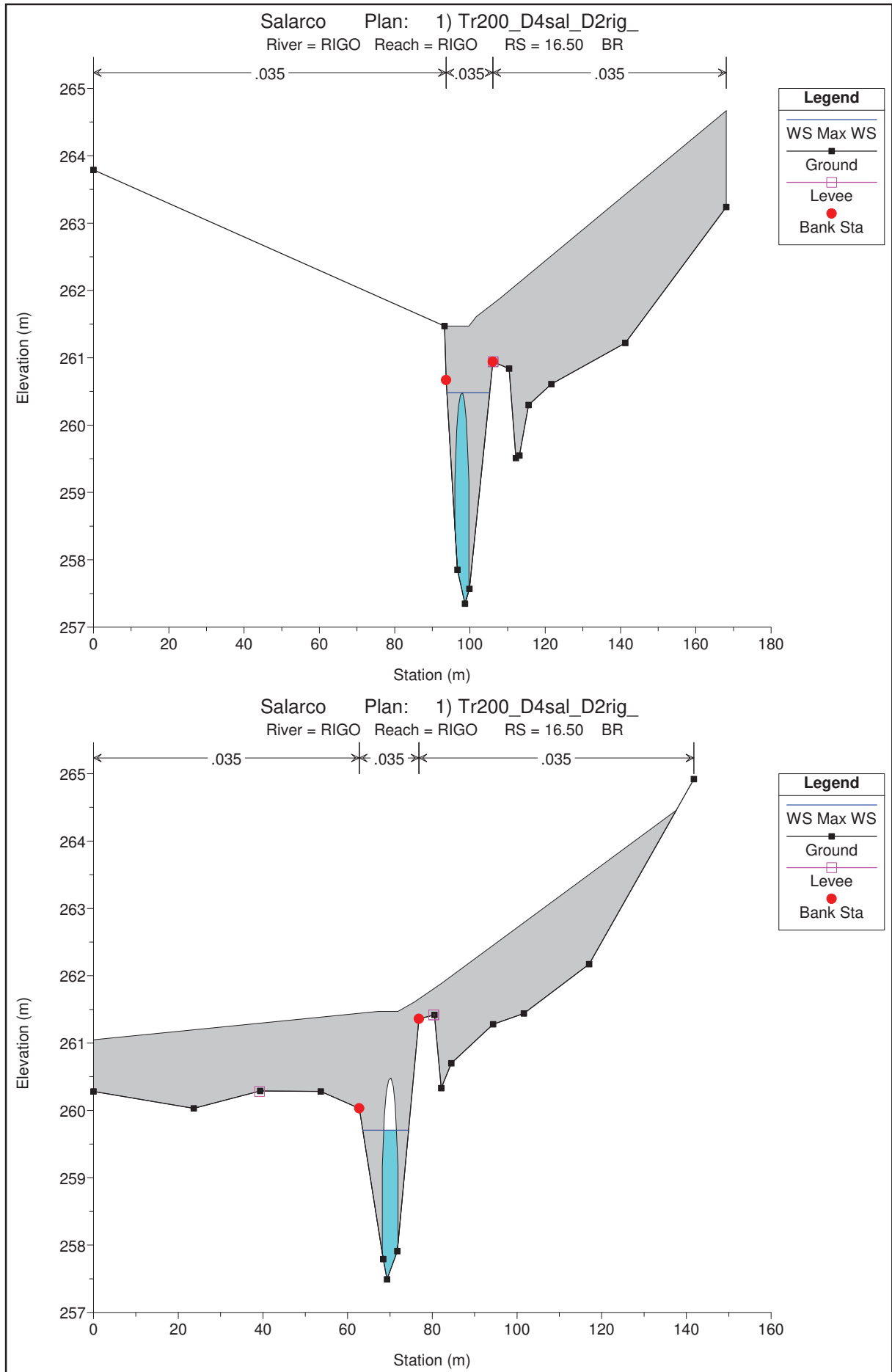


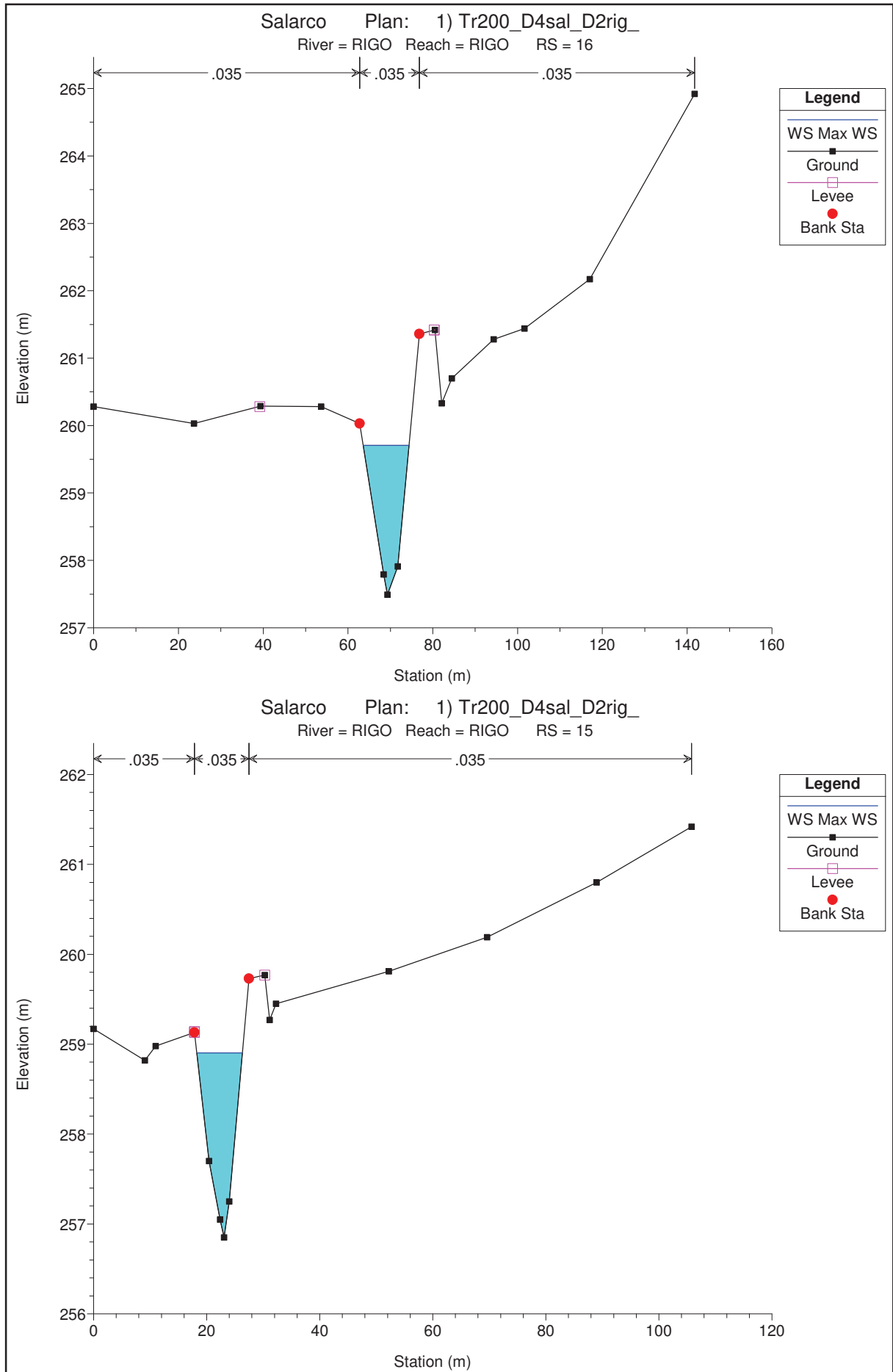


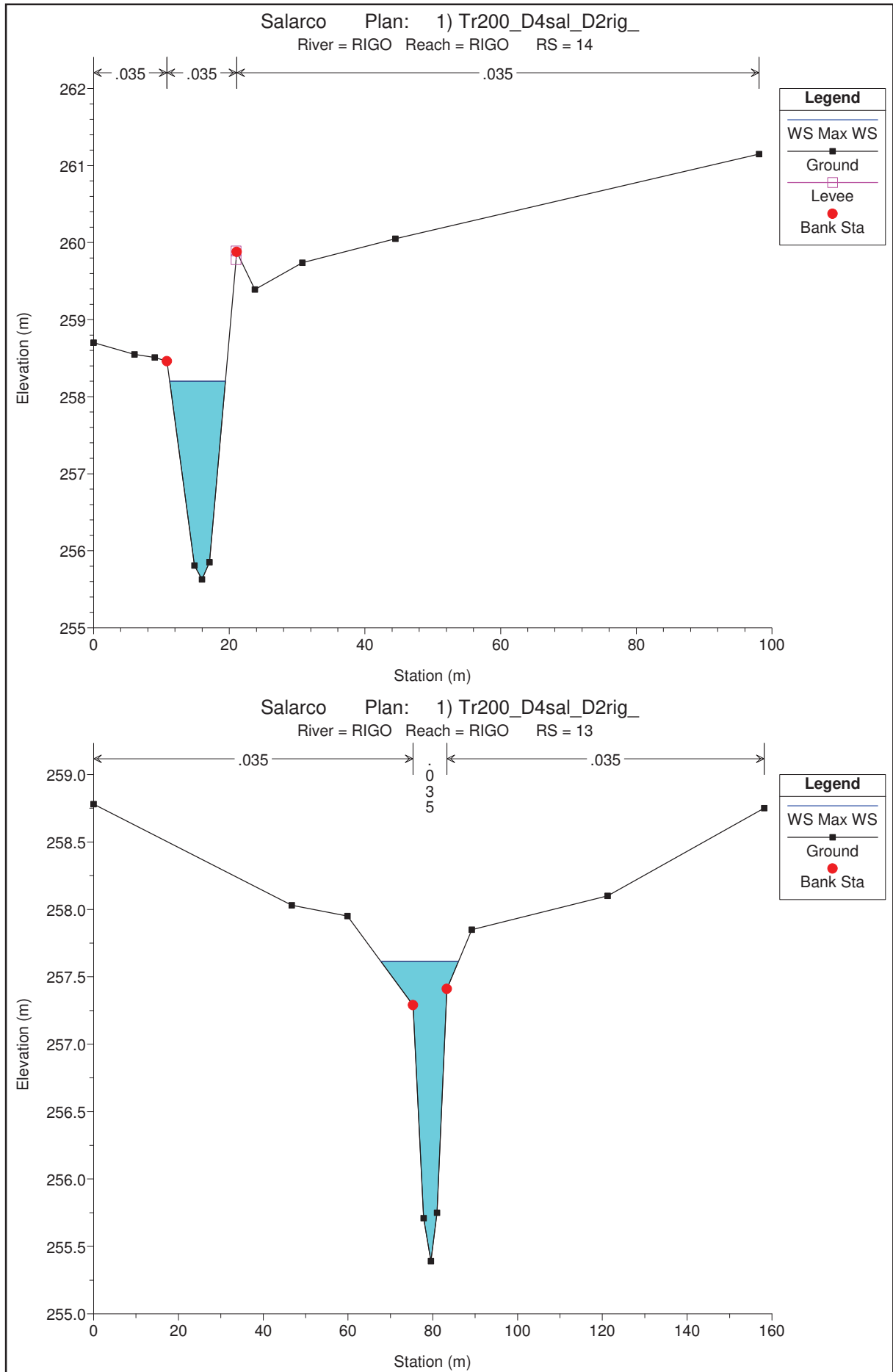


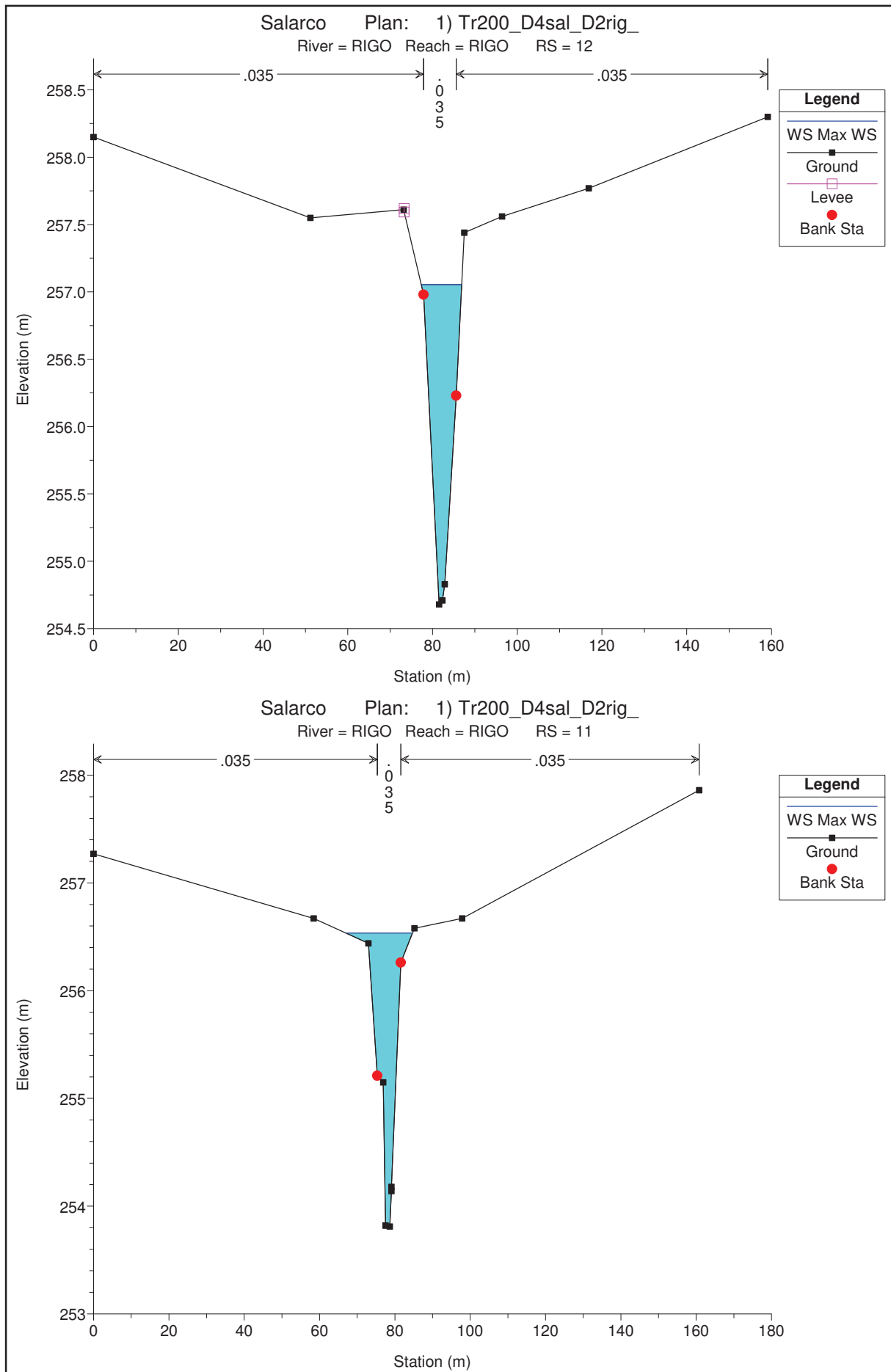


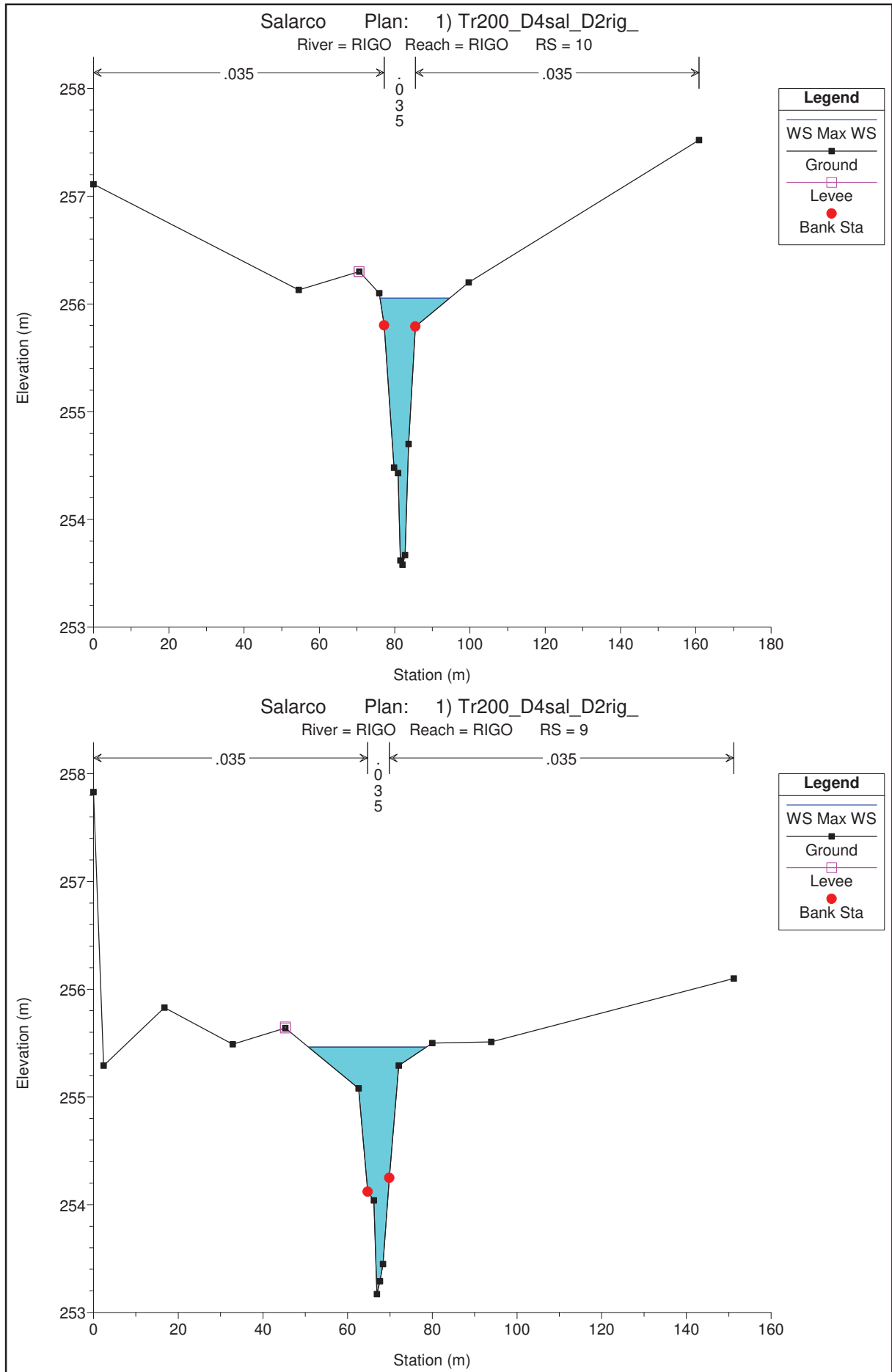


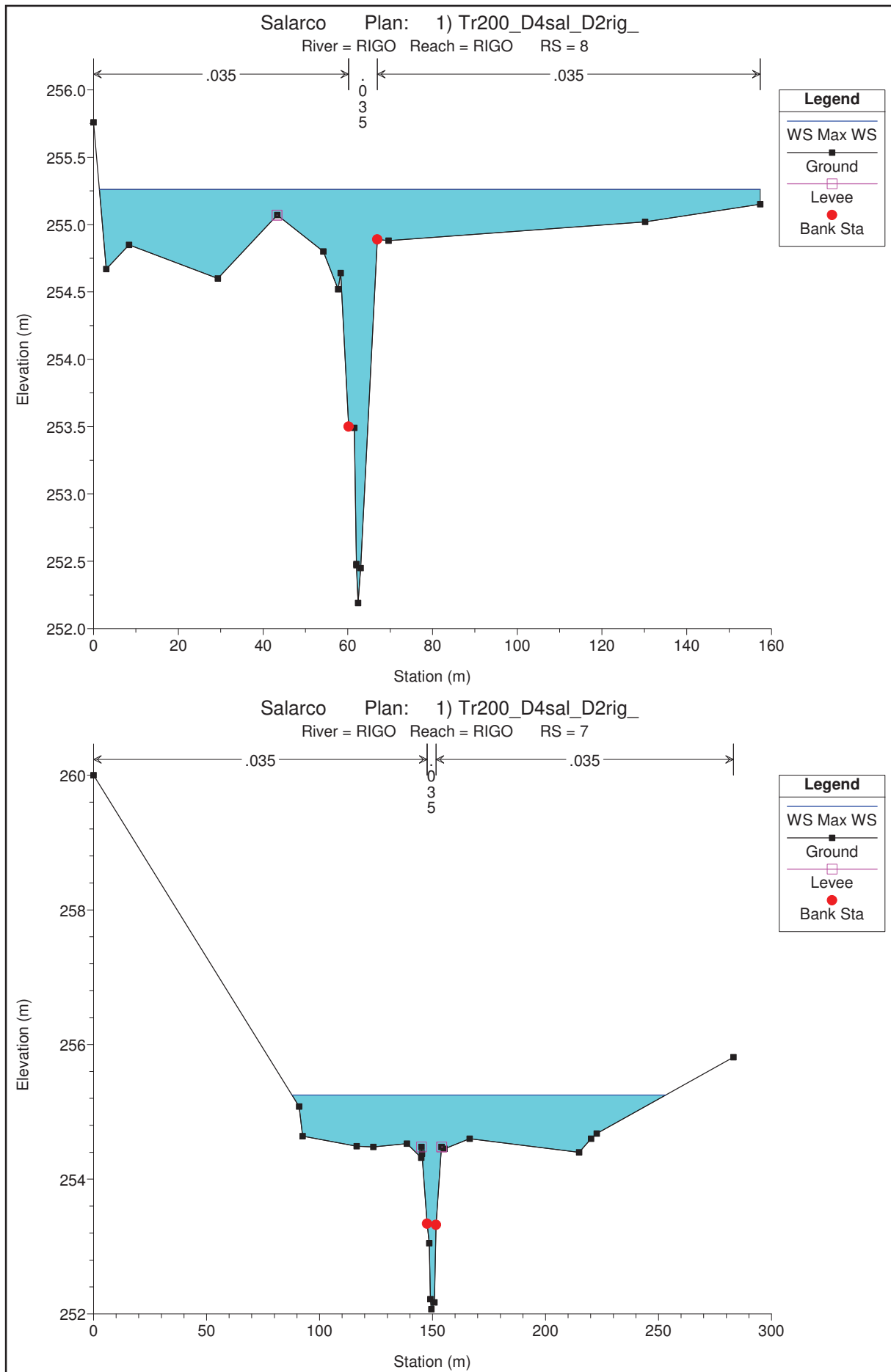


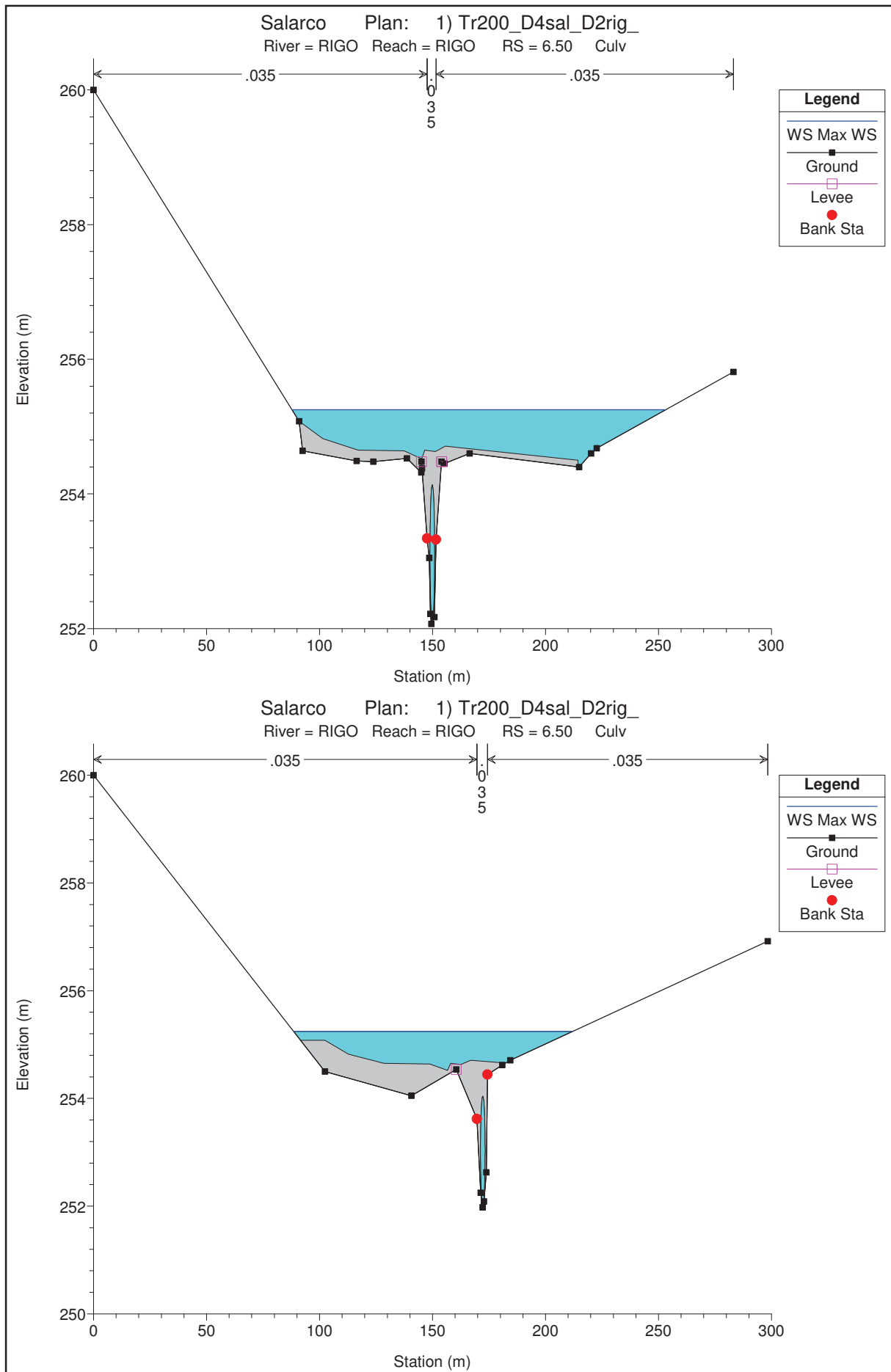


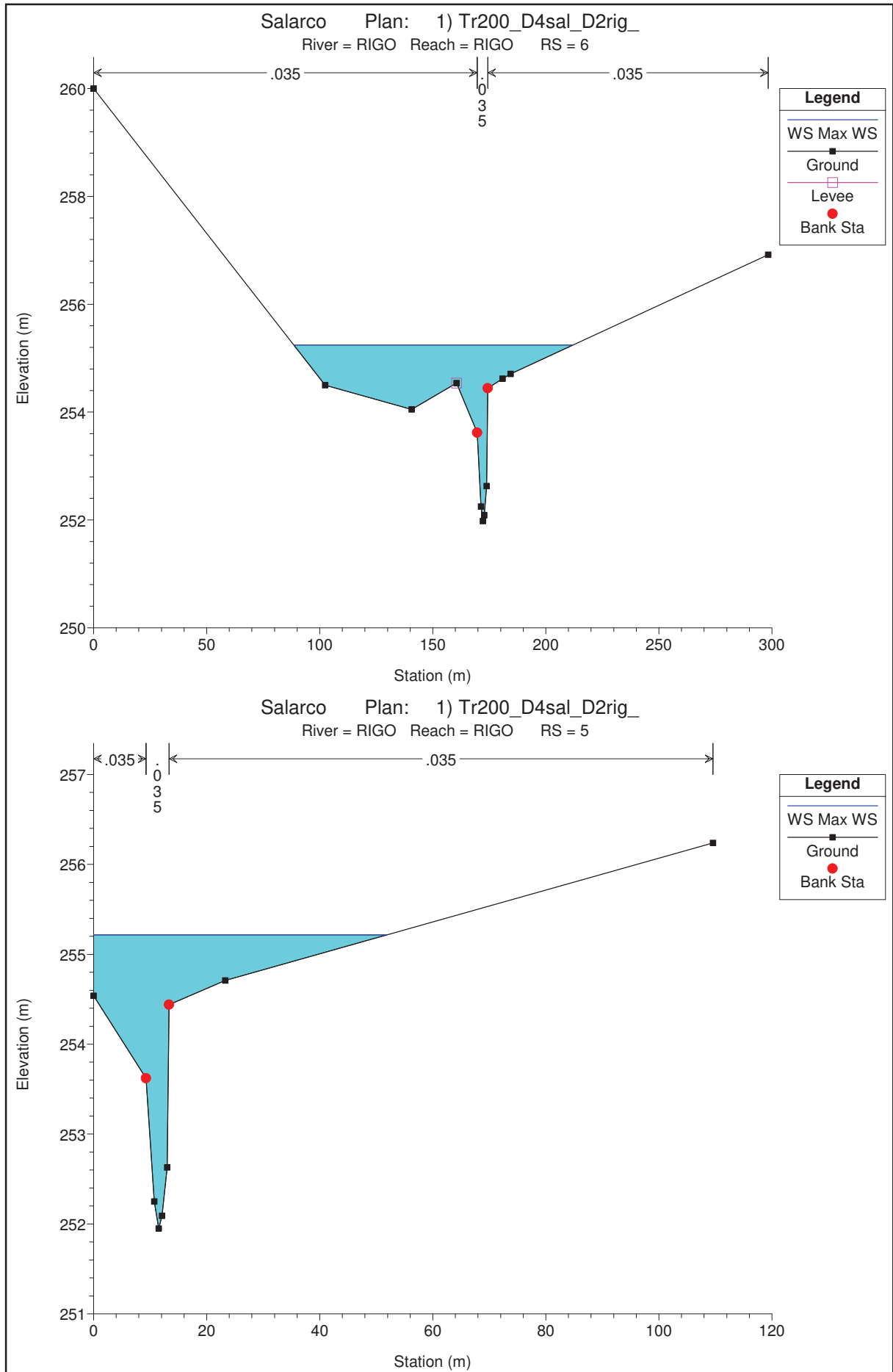


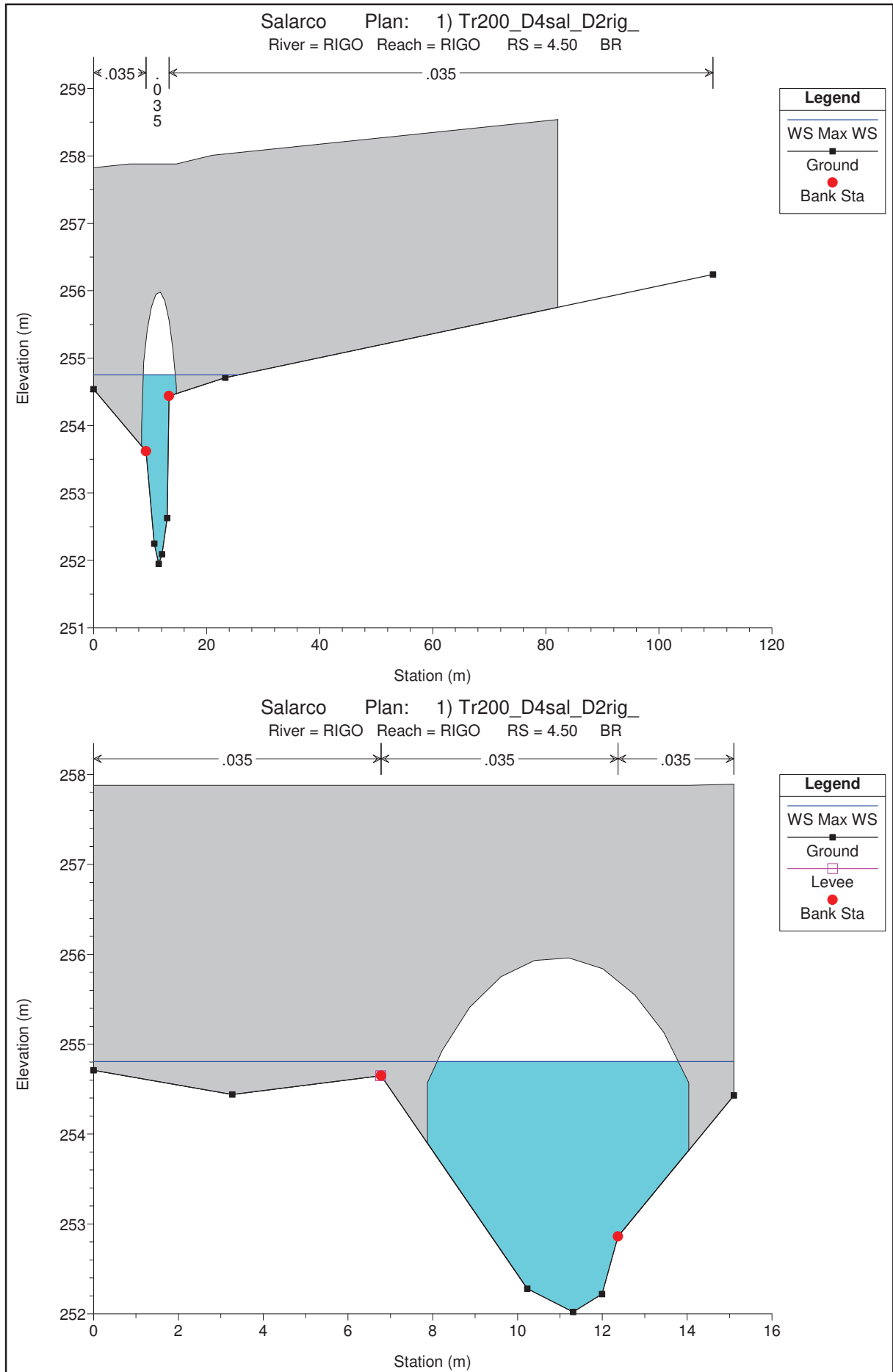


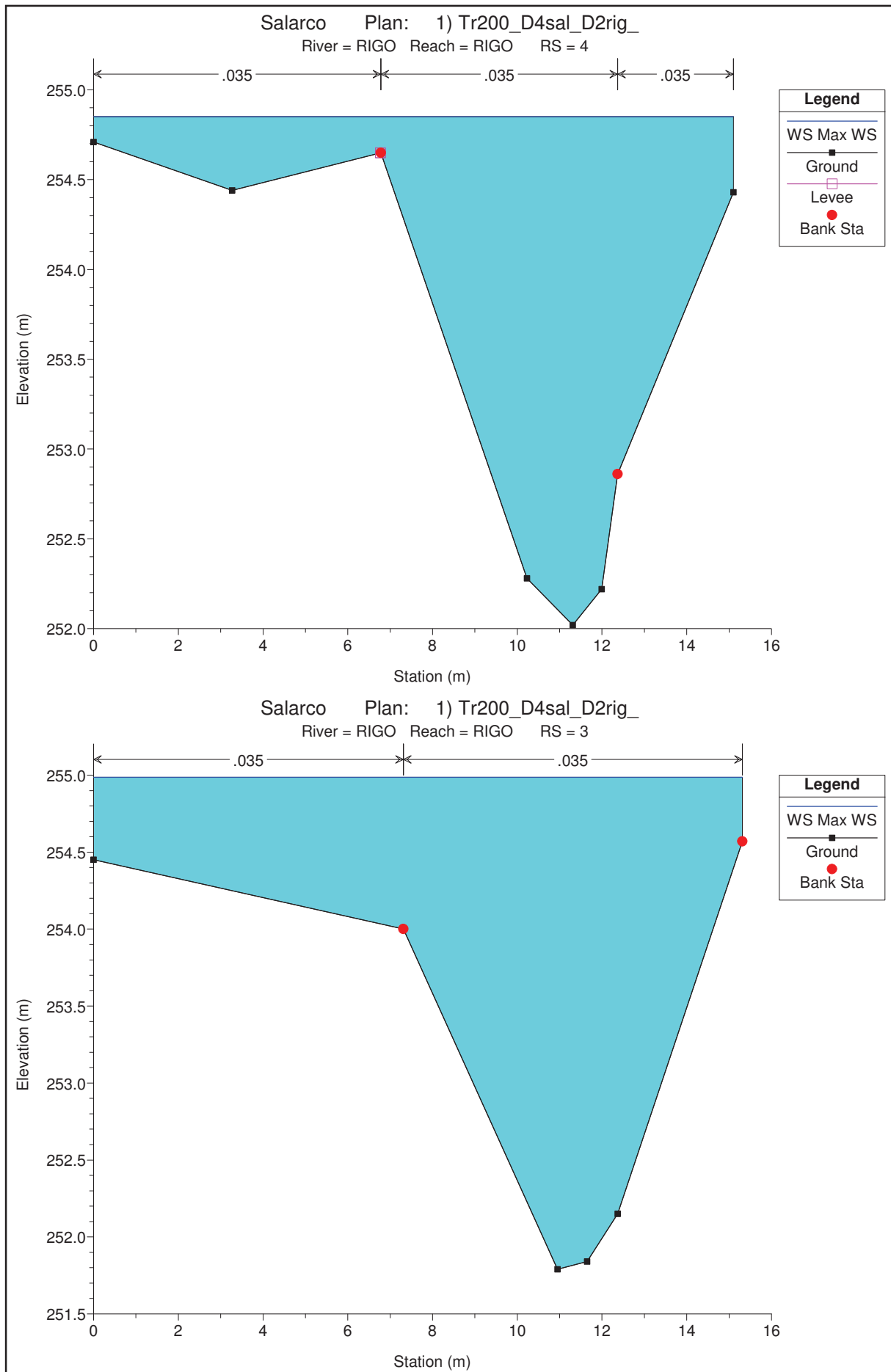


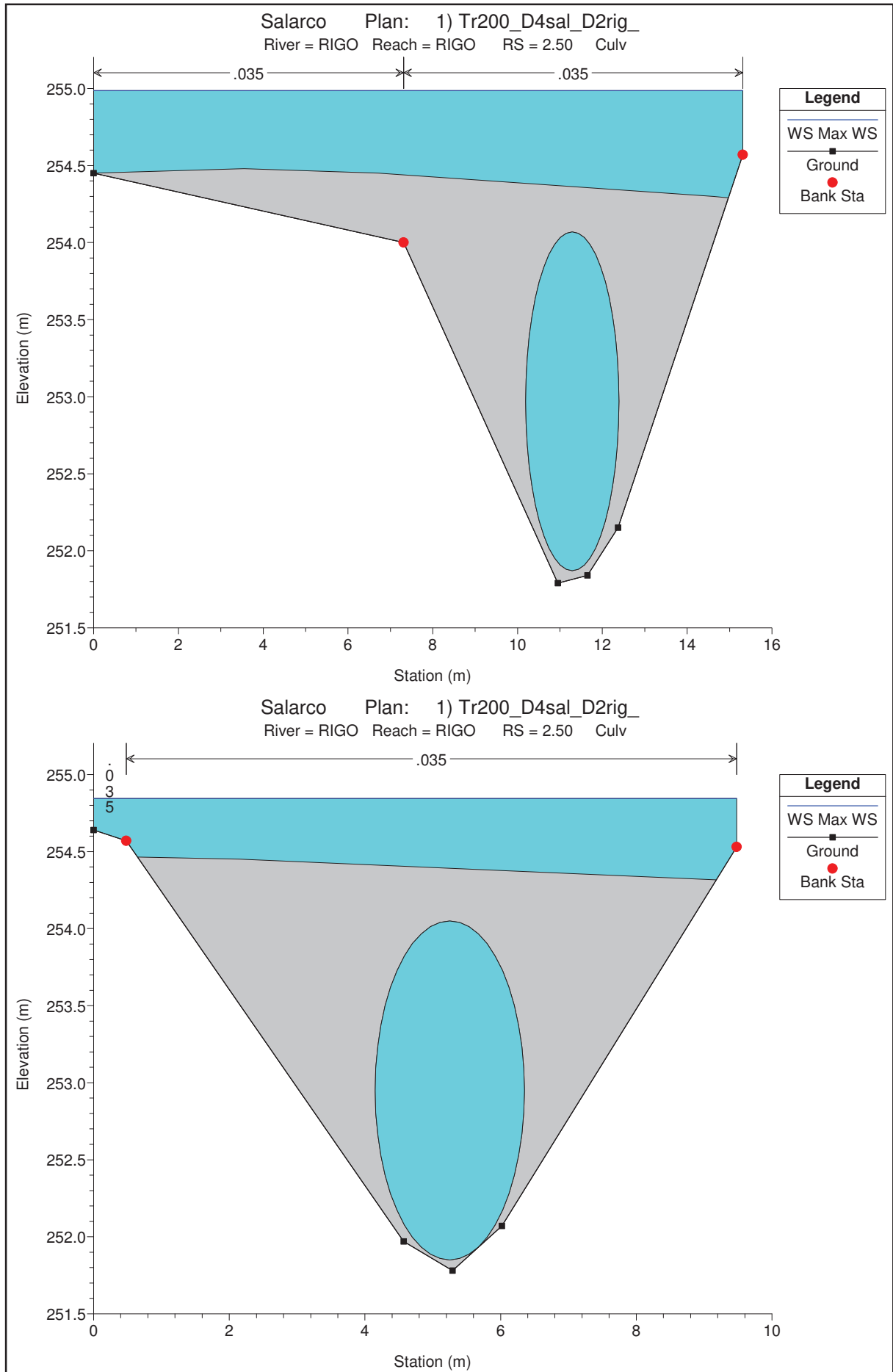


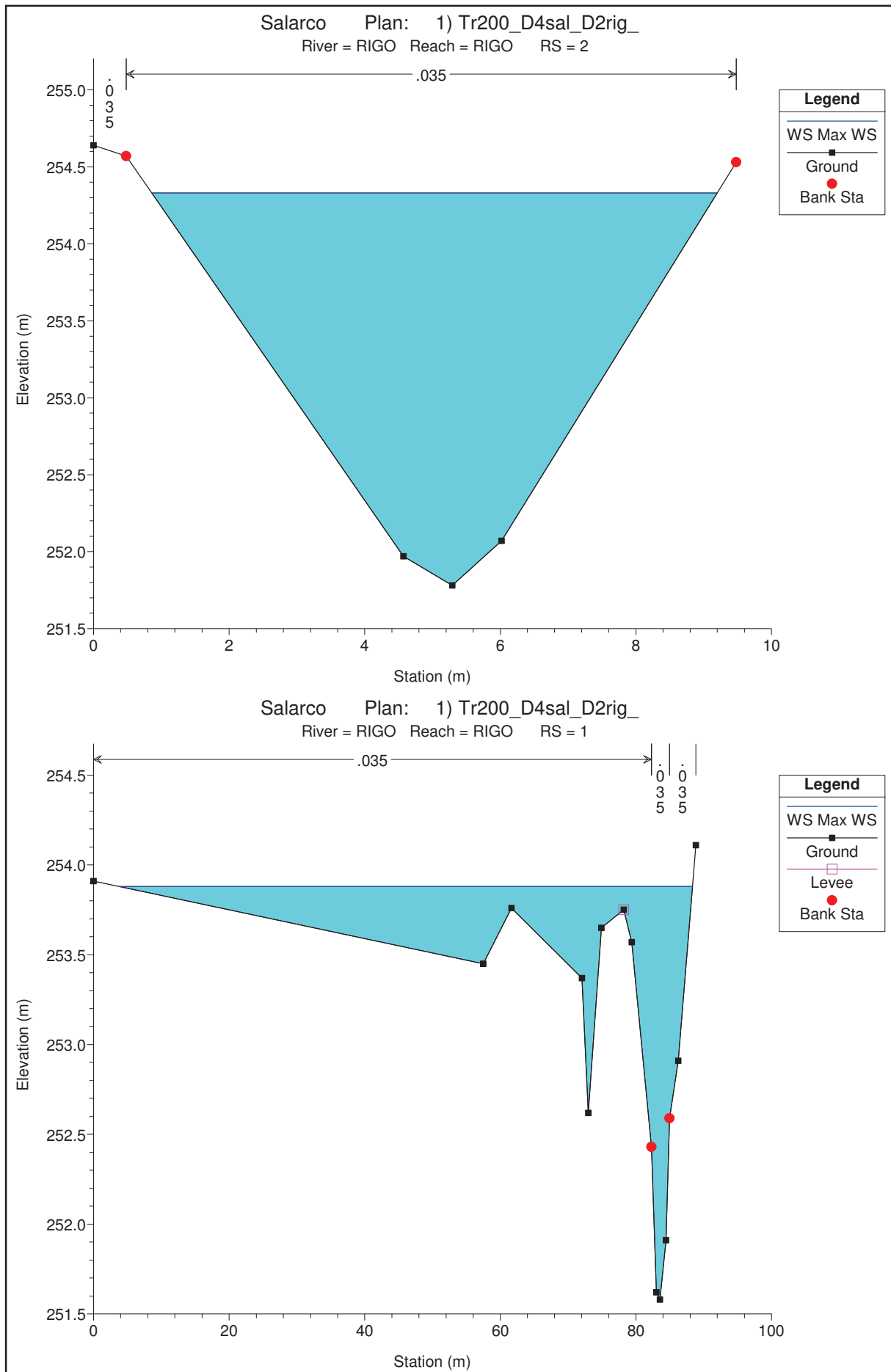


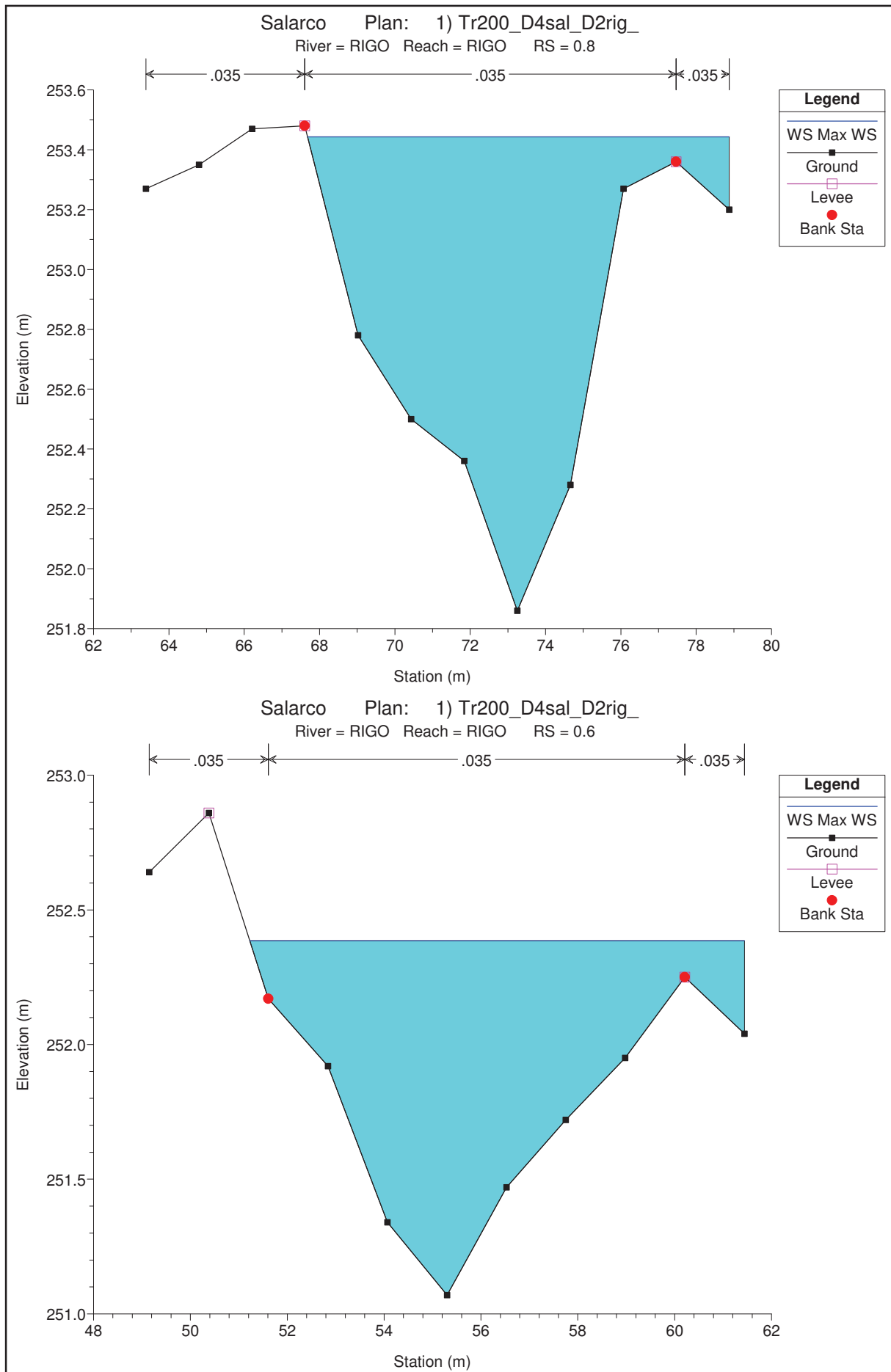


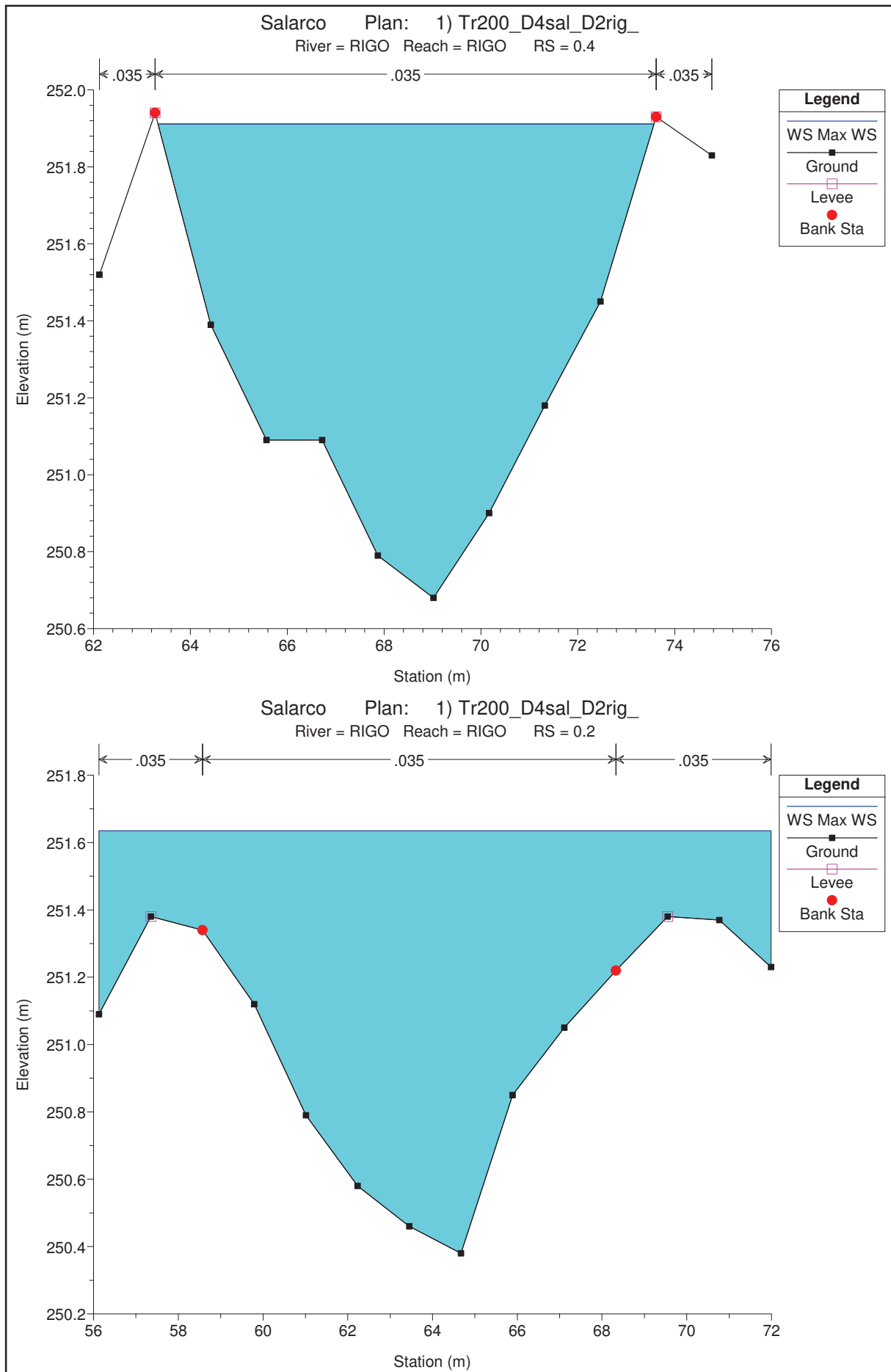














ALLEGATI

MODELLAZIONE HEC-RAS 5.0.6 "Salarco Rigo"

FOSSO RIGO

MODELLAZIONE PER TR=30 anni

DURATE DI PIOGGIA: 2h

Dati idraulici

HEC-RAS Plan: Tr30_D4sal_D2rig_ River: RIGO Reach: RIGO Profile: Max WS

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
RIGO	30	Max WS	18.30	265.26	266.73	266.60	266.76	0.002852	1.30	23.84	72.65	0.43
RIGO	29	Max WS	18.21	264.82	266.20	266.24	266.40	0.006904	2.24	12.49	45.60	0.73
RIGO	28	Max WS	18.20	264.00	265.44	265.39	265.58	0.005028	1.96	13.68	33.96	0.62
RIGO	27	Max WS	18.19	263.76	265.07	264.98	265.15	0.004117	1.64	17.66	52.13	0.55
RIGO	26	Max WS	18.19	263.22	264.57		264.67	0.003898	1.77	18.32	66.85	0.55
RIGO	25.50	Strada Privata										
RIGO	25	Max WS	18.19	262.96	264.38	264.40	264.56	0.007550	2.26	12.53	44.39	0.75
RIGO	24	Max WS	18.18	261.86	264.08	263.86	264.20	0.003815	1.96	15.81	41.06	0.48
RIGO	23	Max WS	18.16	261.01	263.99	263.10	264.00	0.000258	0.63	54.80	111.19	0.14
RIGO	22.50	Via dello Sport										
RIGO	22	Max WS	18.16	261.15	263.15	262.72	263.36	0.004443	2.04	9.71	12.78	0.57
RIGO	21	Max WS	18.16	260.19	262.44	262.46	262.81	0.009597	2.96	7.75	12.35	0.77
RIGO	20	Max WS	18.15	259.31	261.24	260.93	261.50	0.006597	2.25	8.07	7.29	0.68
RIGO	19	Max WS	18.15	258.05	260.49	259.85	260.69	0.004101	1.95	9.28	6.58	0.53
RIGO	18	Max WS	18.14	257.64	259.98	259.39	260.14	0.003421	1.81	10.49	20.91	0.50
RIGO	17	Max WS	18.13	257.35	259.86	258.83	259.94	0.001356	1.26	14.43	9.59	0.33
RIGO	16.50	Via Alcide Vigna										
RIGO	16	Max WS	18.13	257.49	259.39	258.91	259.54	0.003623	1.73	10.47	9.53	0.53
RIGO	15	Max WS	18.13	256.85	258.59	258.46	258.94	0.010001	2.61	6.94	7.08	0.84
RIGO	14	Max WS	18.13	255.63	257.86	257.22	258.03	0.003438	1.82	9.98	7.36	0.50
RIGO	13	Max WS	18.12	255.39	257.30	256.86	257.50	0.004518	1.97	9.20	8.11	0.58
RIGO	12	Max WS	18.11	254.68	256.75	256.27	256.93	0.003812	1.92	9.58	8.13	0.54
RIGO	11	Max WS	18.10	253.81	256.25	255.70	256.42	0.003649	1.88	10.08	8.20	0.50
RIGO	10	Max WS	18.10	253.58	255.80	255.34	255.98	0.004670	1.91	9.46	8.56	0.57
RIGO	9	Max WS	18.10	253.17	255.22	254.82	255.42	0.003635	2.08	10.33	13.77	0.54
RIGO	8.99											
RIGO	8.98	Lat Struct										
RIGO	8	Max WS	17.97	252.19	254.95	254.17	255.06	0.001988	1.51	15.29	52.87	0.38
RIGO	7	Max WS	17.95	252.07	254.92		254.93	0.000198	0.60	65.56	143.98	0.13
RIGO	6.50	Via del Rigo										
RIGO	6	Max WS	17.95	251.98	254.91	253.76	254.92	0.000161	0.50	61.16	100.26	0.10
RIGO	5	Max WS	17.93	251.95	254.88	253.90	254.93	0.001009	1.18	20.62	32.73	0.25
RIGO	4.50	Ferrovia Empoli-										
RIGO	4	Max WS	17.93	252.02	254.71	253.82	254.81	0.001728	1.51	13.54	15.07	0.37
RIGO	3	Max WS	15.93	251.79	254.77		254.81	0.000609	0.94	18.98	15.31	0.22
RIGO	2.50	Strada Vicinale										
RIGO	2	Max WS	15.93	251.78	254.15	253.44	254.28	0.002755	1.59	10.01	7.79	0.45
RIGO	1	Max WS	15.90	251.58	253.81	253.37	253.87	0.001437	1.42	23.95	75.90	0.33
RIGO	0.8	Max WS	14.16	251.86	253.41	253.15	253.58	0.006414	1.86	7.75	11.12	0.67
RIGO	0.6	Max WS	10.71	251.07	252.38	252.21	252.53	0.006050	1.72	6.42	10.20	0.65
RIGO	0.4	Max WS	8.58	250.68	251.91	251.51	251.97	0.002385	1.12	7.64	10.22	0.41
RIGO	0.2	Max WS	6.40	250.38	251.50	251.13	251.53	0.001712	0.90	7.76	15.86	0.35



ALLEGATI

MODELLAZIONE HEC-RAS 5.0.6 "Salarco Rigo"

FOSSO RIGO

MODELLAZIONE PER TR=200 anni

DURATE DI PIOGGIA: 2h

Dati idraulici

HEC-RAS Plan: Tr200_D4sal_D2rig River: RIGO Reach: RIGO Profile: Max WS

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
RIGO	30	Max WS	30.30	265.26	266.88	266.70	266.92	0.002605	1.37	35.50	83.49	0.42
RIGO	29	Max WS	30.30	264.82	266.37	266.39	266.54	0.005967	2.32	22.51	66.61	0.69
RIGO	28	Max WS	30.30	264.00	265.61	265.55	265.78	0.005564	2.29	20.10	41.03	0.67
RIGO	27	Max WS	30.29	263.76	265.22	265.11	265.31	0.004346	1.87	26.30	64.44	0.58
RIGO	26	Max WS	28.32	263.22	264.68		264.78	0.004156	1.96	26.51	79.09	0.58
RIGO	25.50	Strada Privata										
RIGO	25	Max WS	30.29	262.96	264.56	264.54	264.70	0.005971	2.26	23.43	70.86	0.69
RIGO	24	Max WS	30.26	261.86	264.36	264.18	264.44	0.002656	1.81	31.02	69.55	0.41
RIGO	23	Max WS	30.25	261.01	264.30	263.54	264.30	0.000188	0.59	91.60	131.01	0.12
RIGO	22.50	Via dello Sport										
RIGO	22	Max WS	30.25	261.15	263.47	263.32	263.72	0.005030	2.42	16.87	36.23	0.62
RIGO	21	Max WS	30.23	260.19	262.76	262.86	263.15	0.009161	3.28	13.96	27.13	0.77
RIGO	20	Max WS	29.94	259.31	261.67	261.54	261.94	0.005279	2.39	15.03	25.95	0.64
RIGO	19	Max WS	26.34	258.05	261.11	260.20	261.21	0.001711	1.56	26.68	74.29	0.36
RIGO	18	Max WS	26.25	257.64	261.07	259.70	261.08	0.000112	0.49	93.02	128.14	0.10
RIGO	17	Max WS	26.25	257.35	261.04	259.11	261.07	0.000340	0.81	40.50	41.97	0.17
RIGO	16.50	Via Alcide Vigna										
RIGO	16	Max WS	26.25	257.49	259.71	259.17	259.89	0.003718	1.92	13.66	10.78	0.55
RIGO	15	Max WS	26.25	256.85	258.90	258.75	259.31	0.009514	2.82	9.30	8.08	0.84
RIGO	14	Max WS	26.25	255.63	258.20	257.54	258.42	0.003860	2.08	12.62	8.22	0.54
RIGO	13	Max WS	26.25	255.39	257.61	257.15	257.85	0.004157	2.18	13.16	18.28	0.58
RIGO	12	Max WS	26.25	254.68	257.06	256.55	257.30	0.004003	2.20	12.26	9.56	0.57
RIGO	11	Max WS	26.25	253.81	256.53	256.00	256.79	0.004241	2.28	13.20	17.67	0.55
RIGO	10	Max WS	26.24	253.58	256.05	255.63	256.30	0.004740	2.21	12.94	18.54	0.60
RIGO	9	Max WS	26.04	253.17	255.46	255.08	255.71	0.003955	2.40	15.12	27.86	0.58
RIGO	8.99											
RIGO	8.98	Lat Struct										
RIGO	8	Max WS	26.04	252.19	255.26	254.46	255.28	0.000411	0.77	66.00	155.95	0.18
RIGO	7	Max WS	25.78	252.07	255.25		255.26	0.000086	0.43	116.52	165.41	0.08
RIGO	6.50	Via del Rigo										
RIGO	6	Max WS	25.78	251.98	255.24	254.19	255.25	0.000097	0.42	98.07	123.41	0.08
RIGO	5	Max WS	25.65	251.95	255.22	254.30	255.26	0.000733	1.10	34.97	51.86	0.22
RIGO	4.50	Ferrovia Empoli-										
RIGO	4	Max WS	25.65	252.02	254.85	254.13	255.01	0.002512	1.91	15.69	15.10	0.45
RIGO	3	Max WS	20.57	251.79	254.99		255.03	0.000655	1.03	22.33	15.31	0.23
RIGO	2.50	Strada Vicinale										
RIGO	2	Max WS	20.57	251.78	254.33	253.64	254.49	0.003183	1.79	11.49	8.34	0.49
RIGO	1	Max WS	20.57	251.58	253.88	253.56	253.94	0.001580	1.52	29.40	84.54	0.34
RIGO	0.8	Max WS	16.09	251.86	253.44	253.22	253.65	0.007112	2.01	8.17	11.20	0.71
RIGO	0.6	Max WS	11.19	251.07	252.39	252.22	252.54	0.006354	1.78	6.50	10.21	0.67
RIGO	0.4	Max WS	8.73	250.68	251.91	251.52	251.98	0.002413	1.13	7.71	10.25	0.42
RIGO	0.2	Max WS	8.49	250.38	251.63	251.23	251.68	0.001466	0.95	9.97	15.86	0.33