



REGIONE BASILICATA

PROVINCIA DI POTENZA

COMUNE DI CANCELLARA



PROGETTO DEFINITIVO DI UN PARCO EOLICO E DELLE OPERE CONNESSE SITO NEL TERRITORIO DEL COMUNE DI CANCELLARA DI POTENZA COMPLESSIVA PARI A 32 MW

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BUONVENTO s.r.l.

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SCALA: —	NOME FILE: A.3.1_Relazione idrologica e idraulica - Allegato A.doc
CODICE ELABORATO: A.3.1	TITOLO ELABORATO: RELAZIONE IDROLOGICA E IDRAULICA - ALLEGATO A

A	Consegna progetto	06/2023	T.ToIve	D.Margiotta	S.Margiotta
REV.	DESCRIZIONE	DATA	REDATTO	VERIFICATO	APPROVATO

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1 INTERFERENZA 1

1.1 Stato di fatto

Dati tabellari

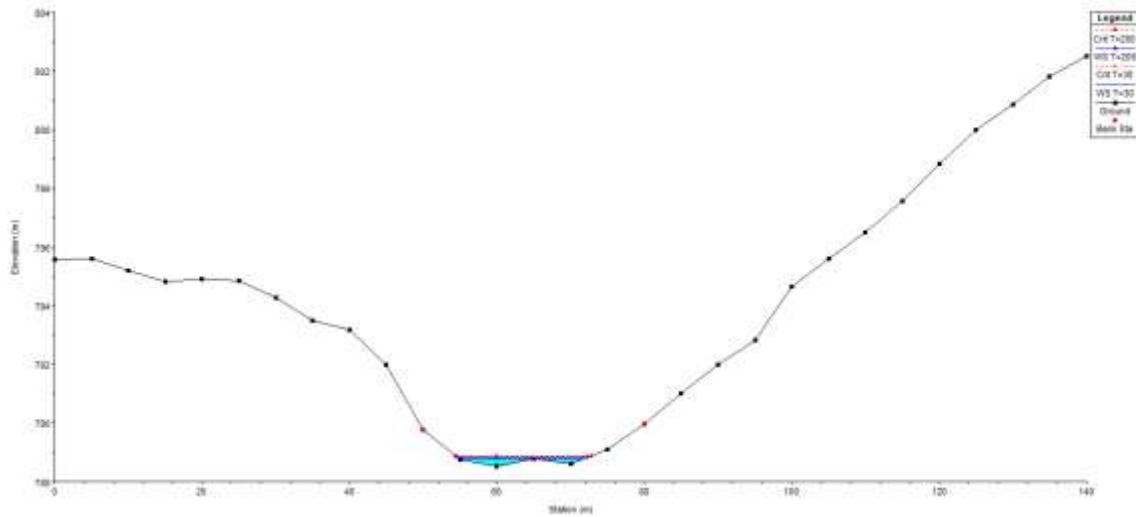
River Sta	Profile	Q Total [m3/s]	Min Ch El [m]	W.S. Elev [m]	Crit W.S. [m]	E.G. Elev [m]	E.G. Slope [m]	Vel Chnl [m/s]	Flow Area [m2]	Top Width [m]	Froude # Chl
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	T=200	5.18	788.52	788.82	788.88	789.02	0.051954	1.95	2.66	17.66	1.61
2	T=30	3.14	789.64	789.87	789.96	790.15	0.071450	2.37	1.33	8.39	1.90
	T=200	5.18	789.64	789.93	790.05	790.33	0.076854	2.83	1.83	9.36	2.04
3	T=30	3.14	791.69	791.91	792.16	794.39	1.028429	6.99	0.45	4.12	6.76
	T=200	5.18	791.69	791.97	792.26	794.52	0.761413	7.07	0.73	5.26	6.05
4	T=30	2.86	794.23	794.49	794.52	794.63	0.024444	1.62	1.77	8.85	1.15
	T=200	4.73	794.23	794.58	794.61	794.75	0.023663	1.86	2.55	10.09	1.18
5	T=30	2.86	795.05	795.24	795.33	795.54	0.096147	2.40	1.19	9.25	2.13
	T=200	4.73	795.05	795.28	795.41	795.74	0.118445	2.99	1.58	10.28	2.44
6	T=30	2.86	797.30	797.47	797.58	797.86	0.138739	2.76	1.04	8.52	2.53
	T=200	4.73	797.30	797.53	797.66	797.96	0.104035	2.90	1.63	10.06	2.30
7	T=30	2.86	799.11	799.31	799.34	799.42	0.048369	1.45	1.98	19.53	1.45
	T=200	4.73	799.11	799.34	799.39	799.51	0.057874	1.81	2.62	21.15	1.64
8	T=30	2.86	800.14	800.46	800.59	800.91	0.108554	2.96	0.97	5.97	2.34
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9	T=30	2.86	802.23	802.44	802.51	802.65	0.069354	2.00	1.43	11.39	1.80
	T=200	4.73	802.23	802.48	802.58	802.80	0.081306	2.49	1.90	12.27	2.02
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	T=200	4.73	803.98	804.31	804.48	804.94	0.132166	3.50	1.35	7.52	2.63
11	T=30	2.86	806.25	806.57	806.63	806.77	0.065658	1.97	1.46	11.38	1.76
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14	T=30	2.86	812.84	813.10	813.21	813.45	0.088416	2.60	1.10	7.10	2.10
	T=200	4.73	812.84	813.16	813.31	813.67	0.097444	3.17	1.49	7.66	2.29
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22	T=30	2.86	837.18	837.48	837.64	838.14	0.180290	3.62	0.79	5.28	2.98
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23	T=30	0.28	794.80	794.87	794.87	794.90	0.030943	0.65	0.43	10.12	1.01
	T=200	0.45	794.80	794.88	794.89	794.92	0.048326	0.88	0.51	10.80	1.28
24	T=30	0.28	795.60	795.67	795.69	795.74	0.116846	1.15	0.24	6.56	1.91
	T=200	0.45	795.60	795.71	795.71	795.74	0.035352	0.86	0.53	9.03	1.13
25	T=30	0.28	796.54	796.59	796.60	796.64	0.087568	1.07	0.26	6.41	1.68
	T=200	0.45	796.54	796.60	796.62	796.68	0.098014	1.30	0.35	6.80	1.84
26	T=30	0.28	797.93	798.01	798.02	798.05	0.057805	0.93	0.30	6.54	1.39
	T=200	0.45	797.93	798.03	798.04	798.08	0.052087	1.05	0.43	7.18	1.38
27	T=30	0.28	799.80	799.91	800.00	800.45	0.533468	3.26	0.09	1.50	4.35
	T=200	0.45	799.80	799.94	800.05	800.51	0.414518	3.34	0.13	1.88	3.98
28	T=30	0.28	802.99	803.10	803.12	803.17	0.059216	1.11	0.25	4.30	1.47
	T=200	0.45	802.99	803.12	803.15	803.21	0.064460	1.29	0.35	5.06	1.57
29	T=30	0.28	804.78	804.88	804.92	805.02	0.159404	1.64	0.17	3.43	2.34
	T=200	0.45	804.78	804.90	804.95	805.06	0.140275	1.76	0.26	4.19	2.27

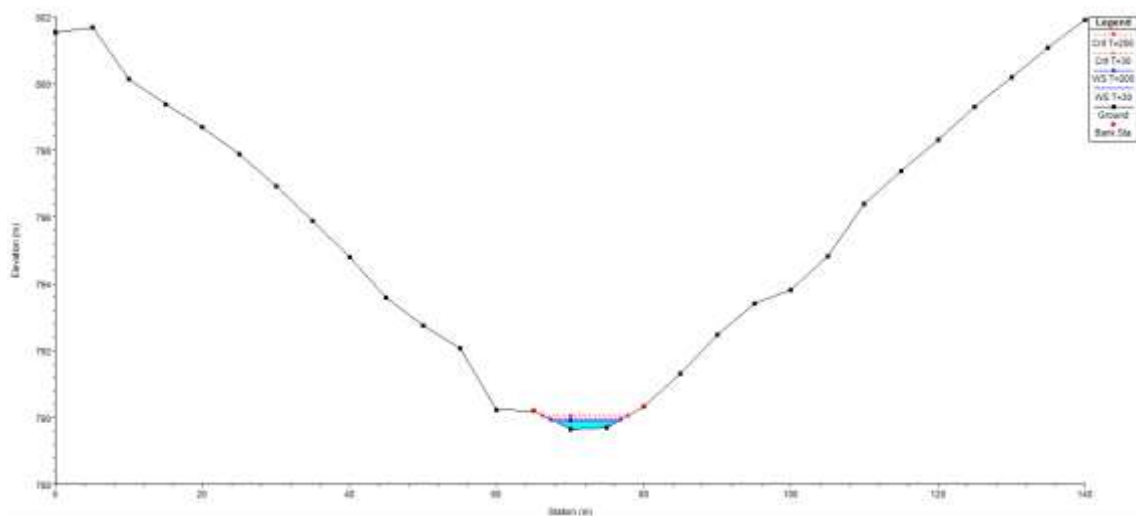
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31	T=30	0.28	809.30	809.43	809.51	809.82	0.341617	2.78	0.10	1.60	3.54
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	T=200	0.45	811.51	811.69	811.71	811.77	0.044513	1.29	0.35	3.79	1.37
33	T=30	0.28	813.70	813.75	813.82	814.44	1.604084	3.66	0.08	2.59	6.81
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34	T=30	0.28	817.35	817.45	817.47	817.50	0.052219	0.96	0.29	5.62	1.35
	T=200	0.45	817.35	817.47	817.49	817.54	0.053108	1.09	0.41	6.69	1.40
35	T=30	0.28	818.12	818.23	818.23	818.26	0.028428	0.73	0.38	7.06	1.00
	T=200	0.45	818.12	818.25	818.25	818.29	0.027688	0.82	0.55	8.32	1.02
36	T=30	0.28	818.98	819.05	819.07	819.10	0.107791	1.06	0.27	7.66	1.81
	T=200	0.45	818.98	819.06	819.09	819.13	0.109392	1.18	0.38	9.37	1.88
37	T=30	0.28	821.06	821.12	821.14	821.19	0.099982	1.16	0.24	5.67	1.81
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Sezioni

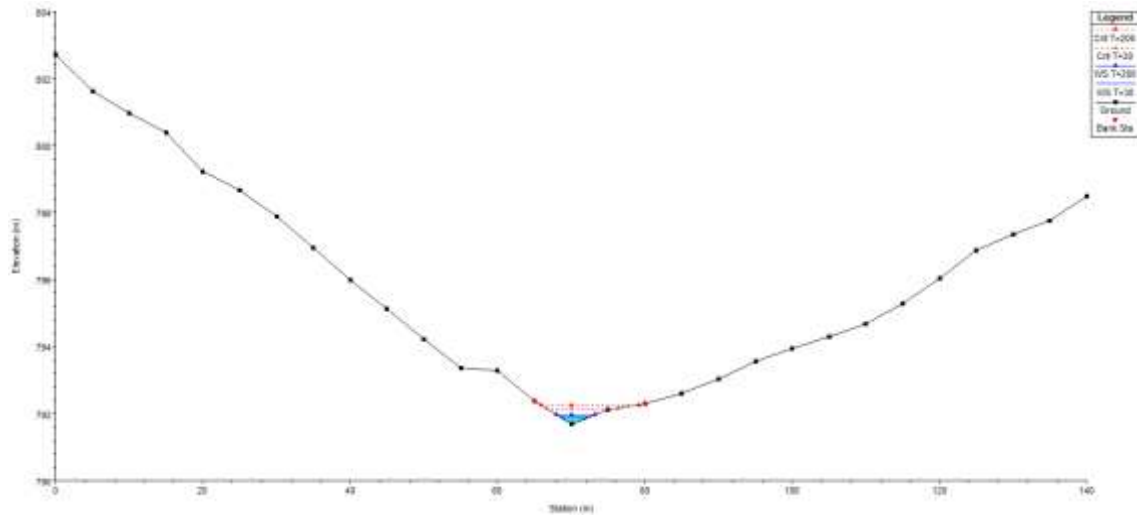
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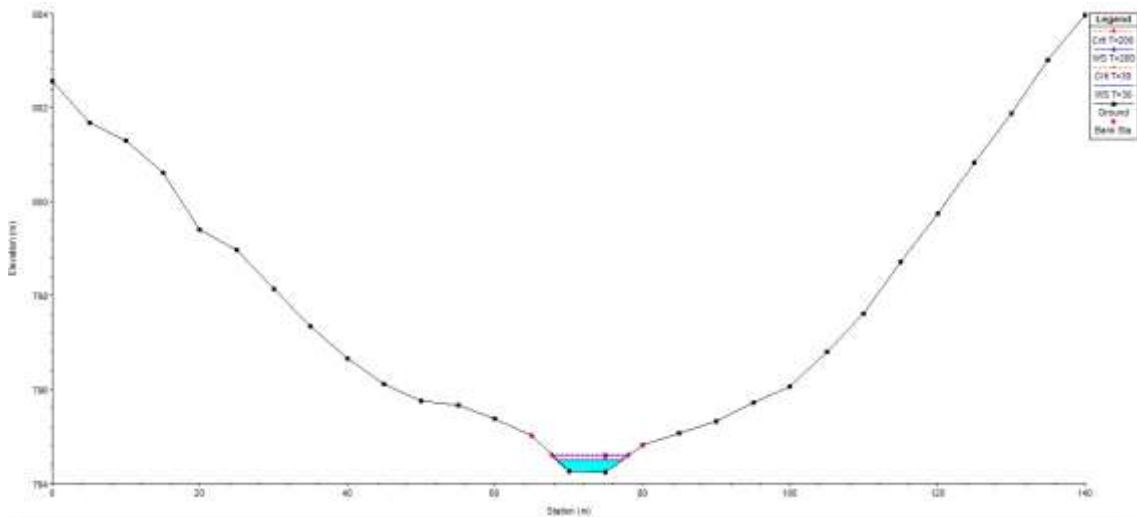
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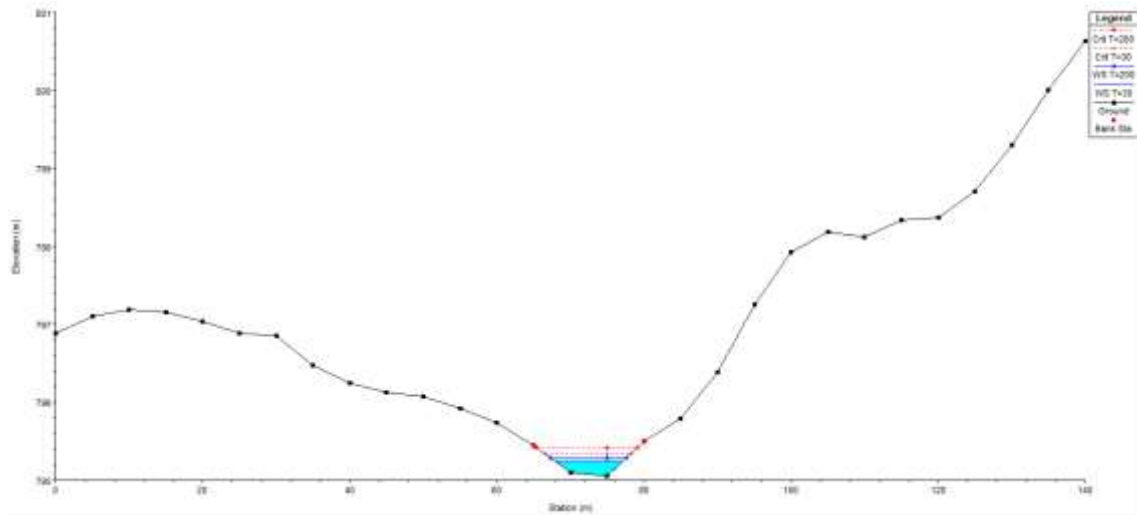
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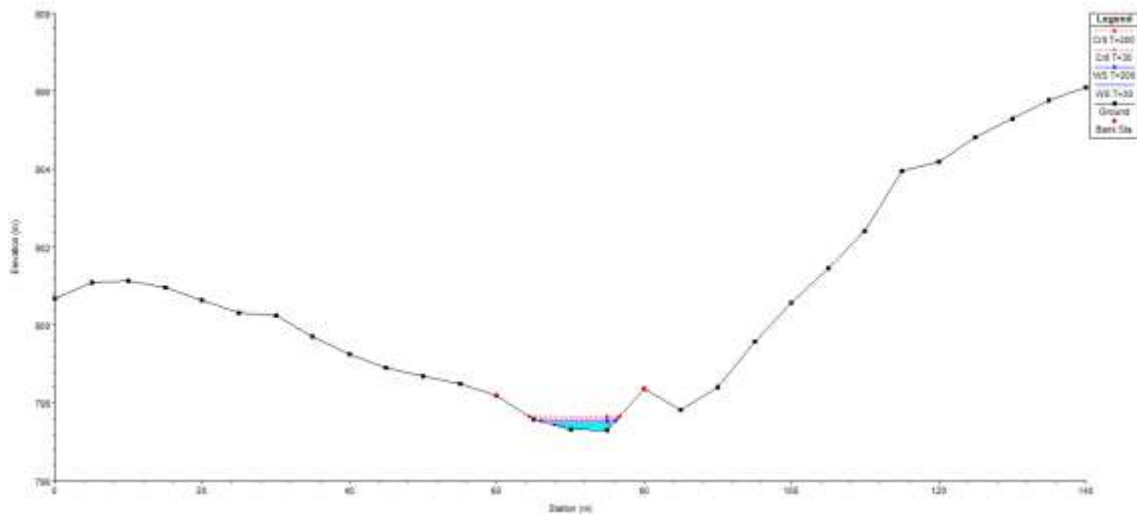
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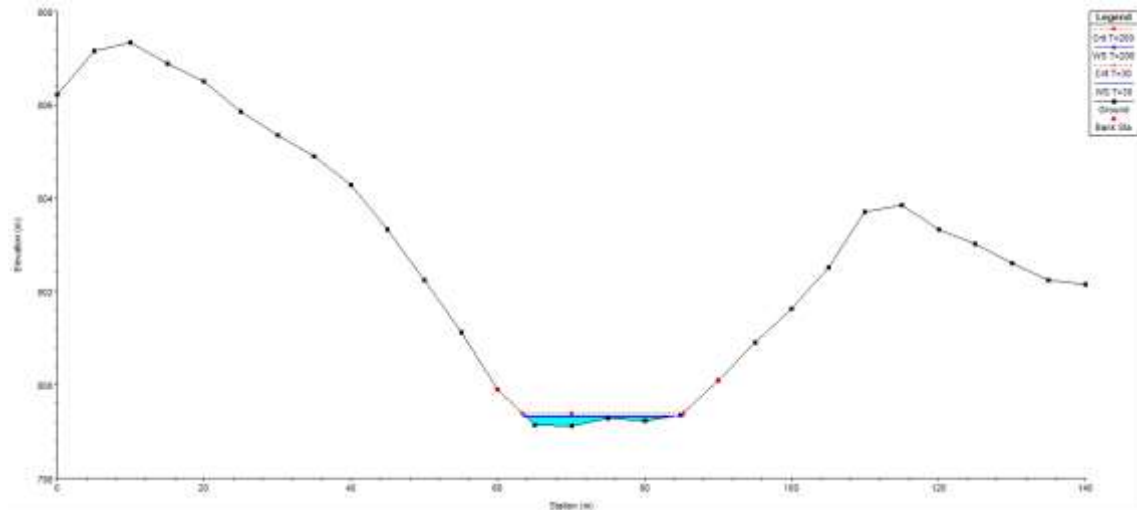
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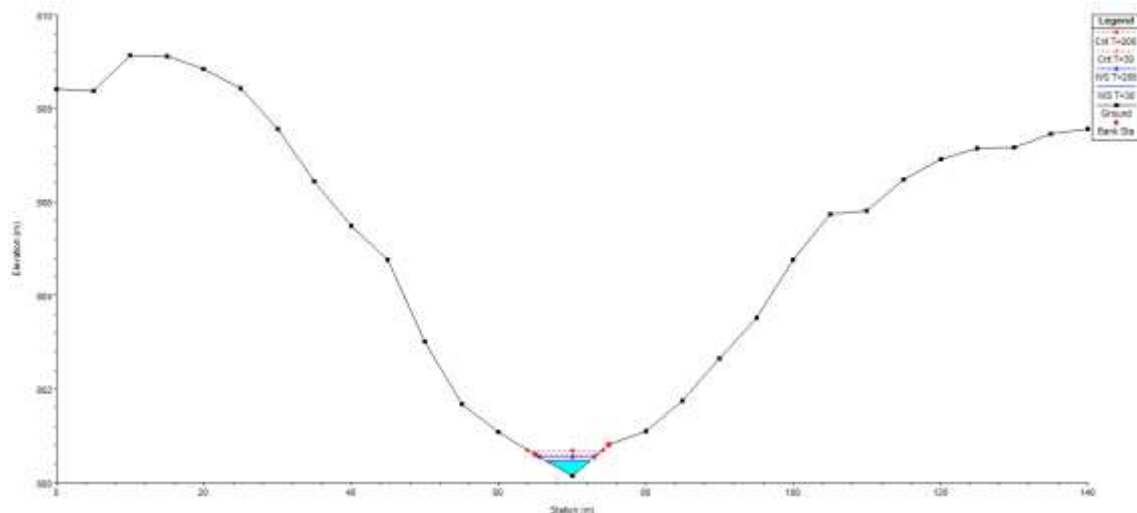
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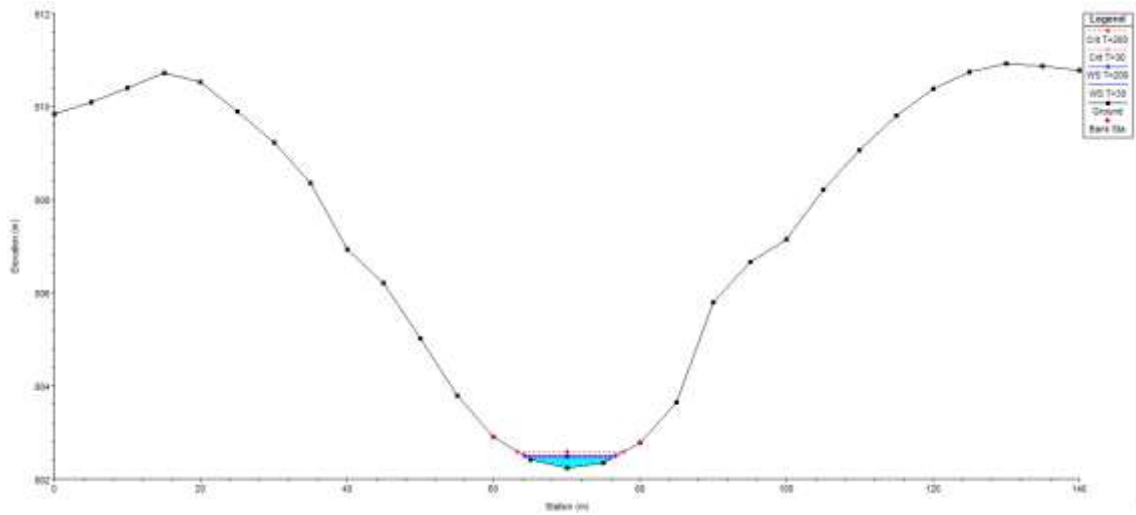
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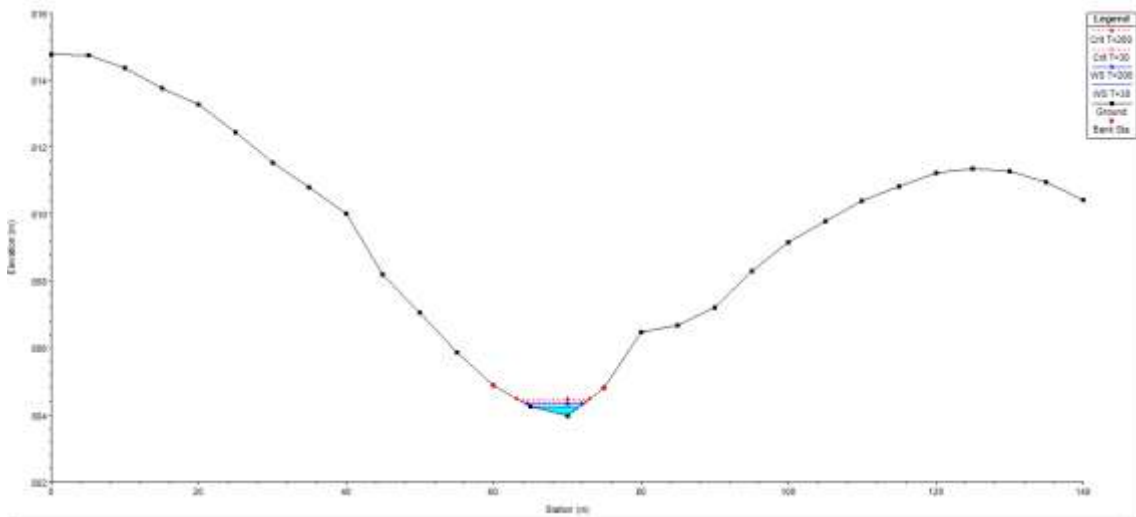
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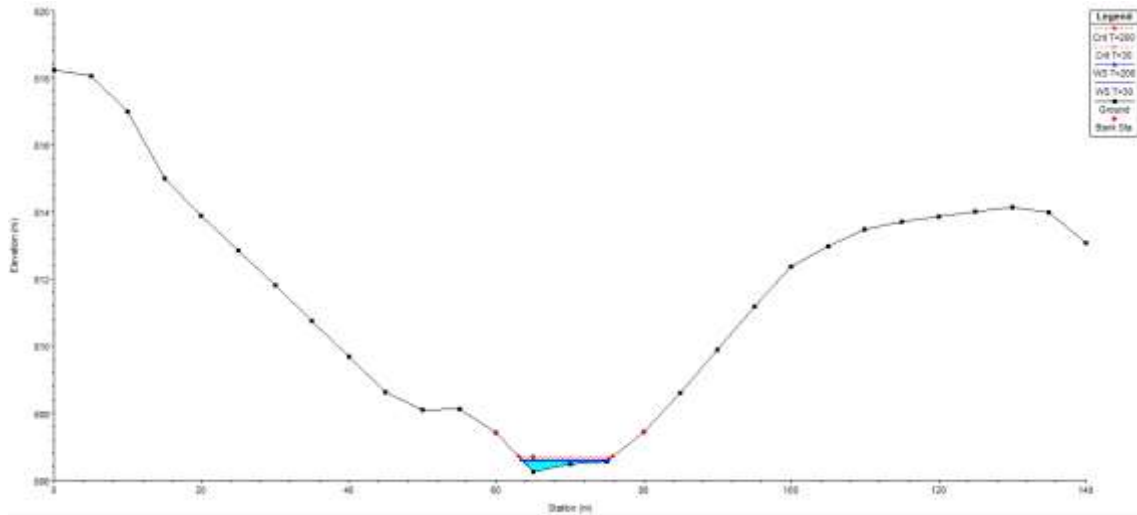
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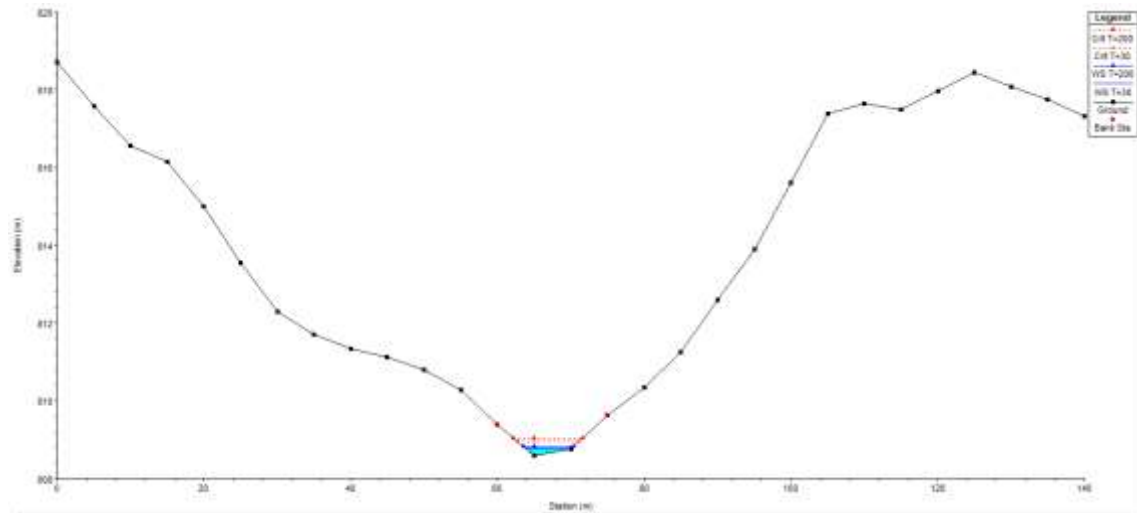
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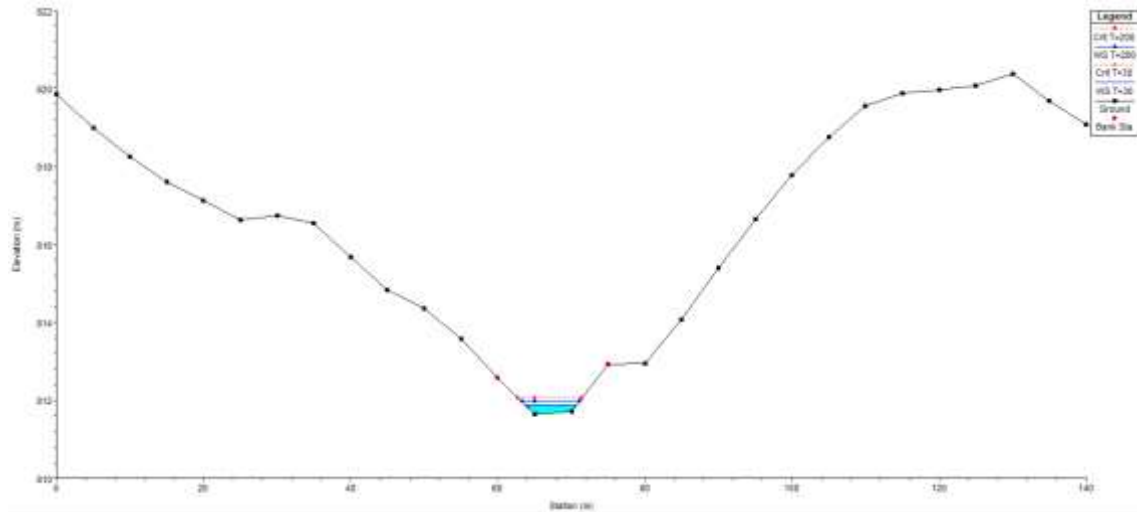
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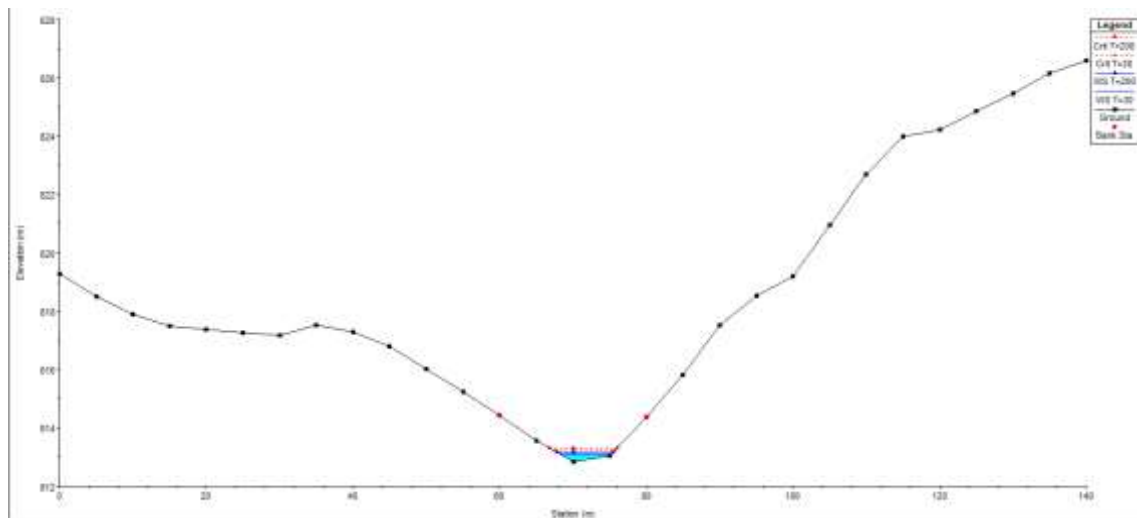
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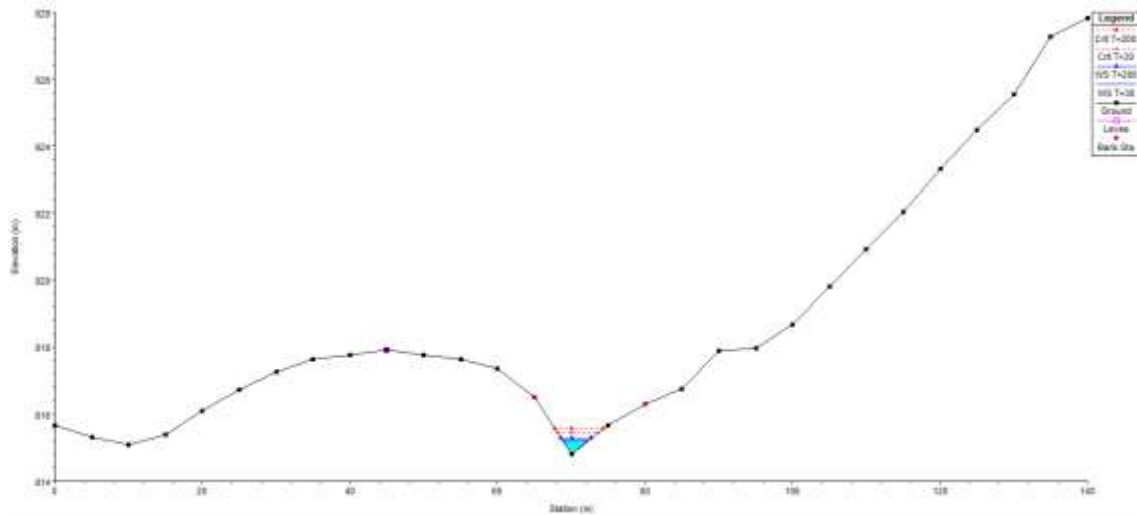
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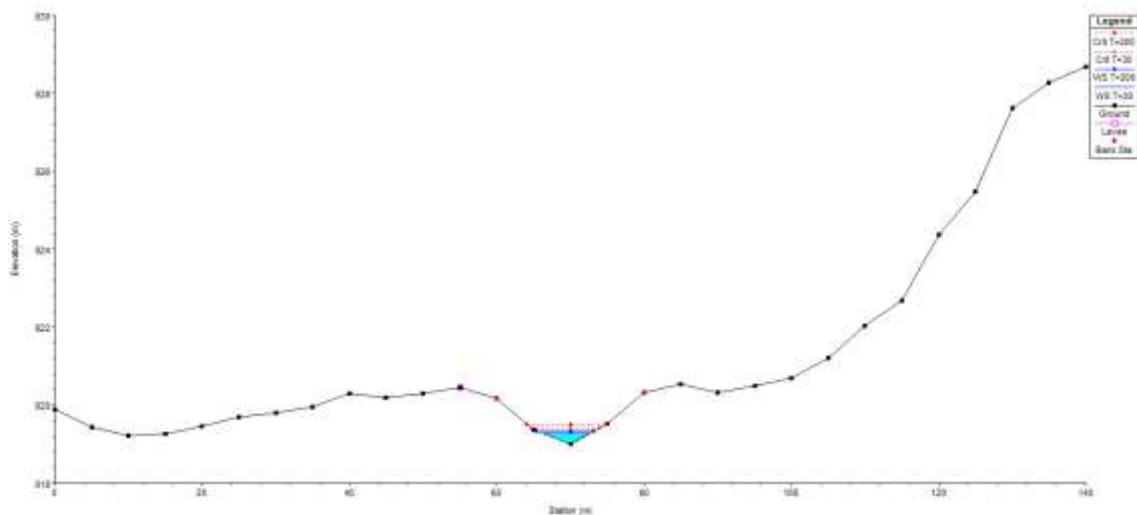
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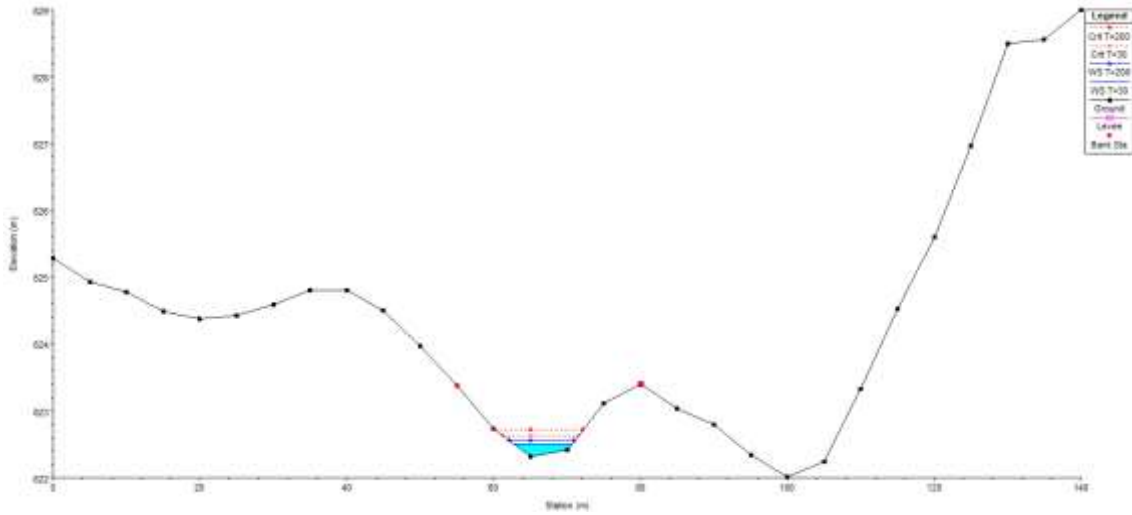
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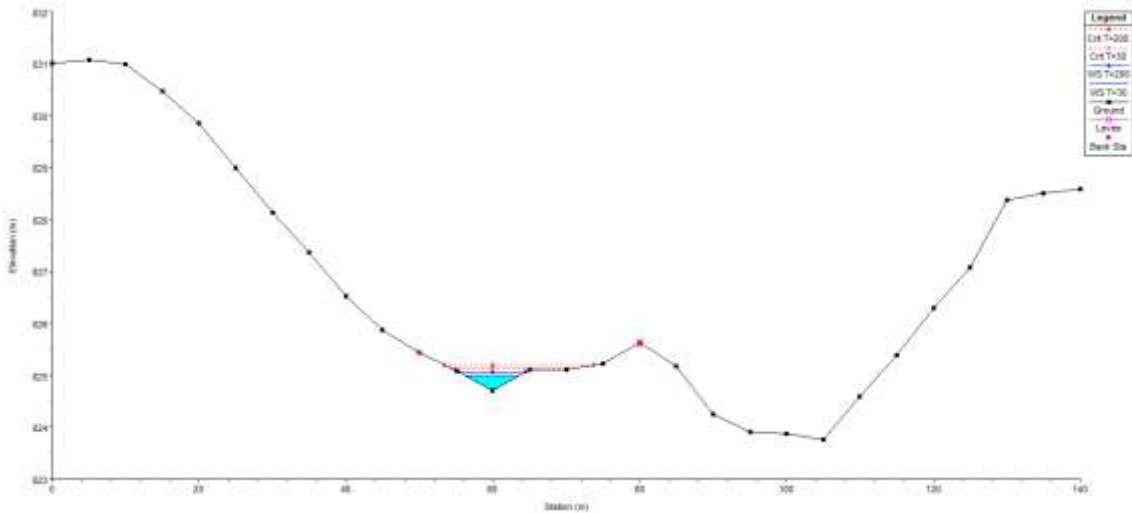
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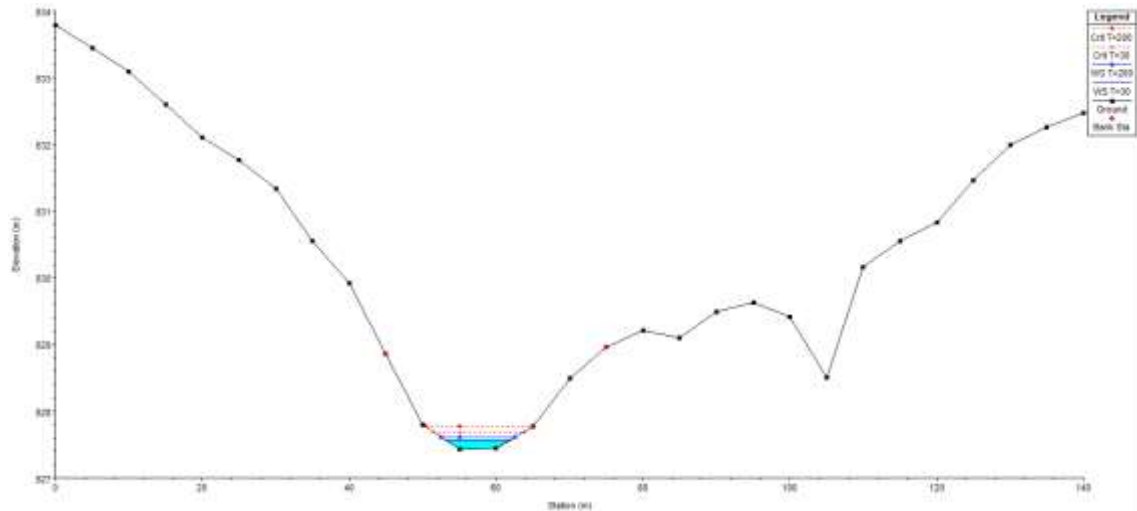
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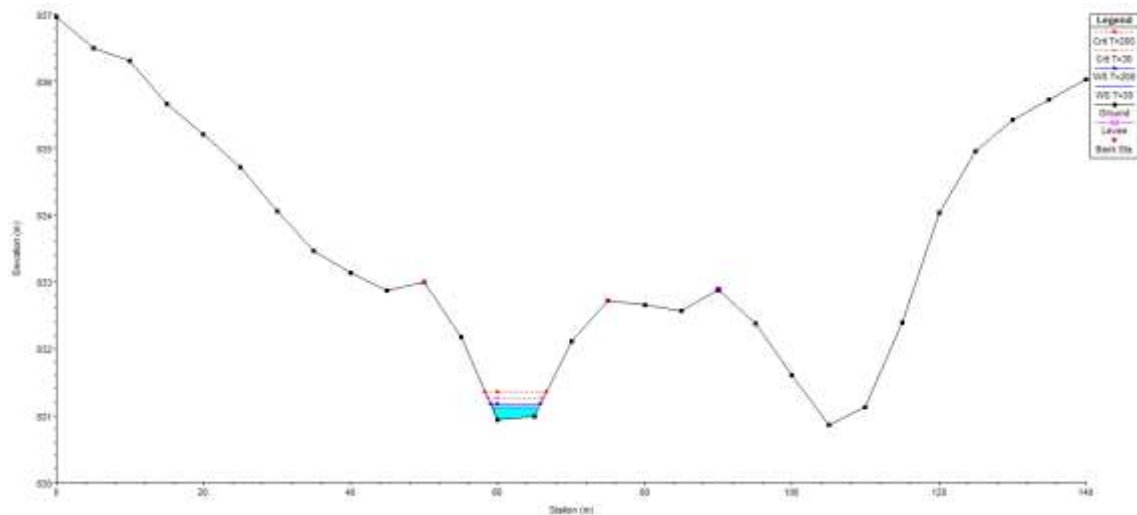
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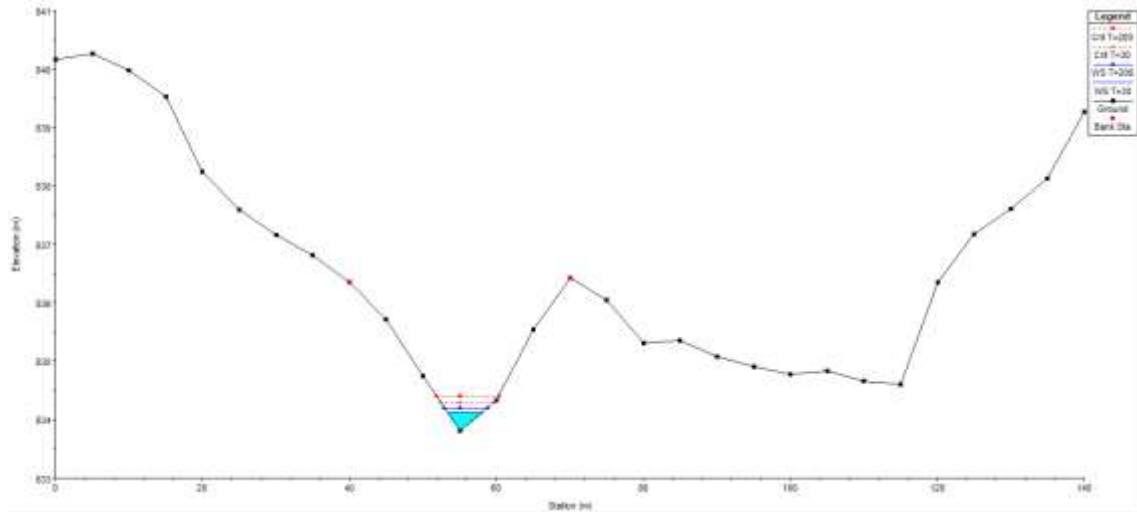
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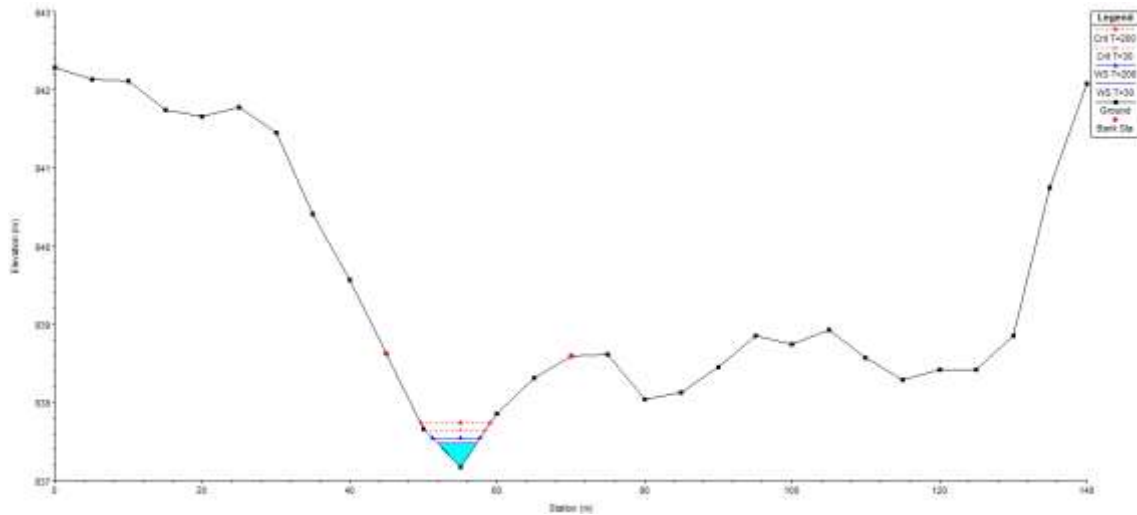
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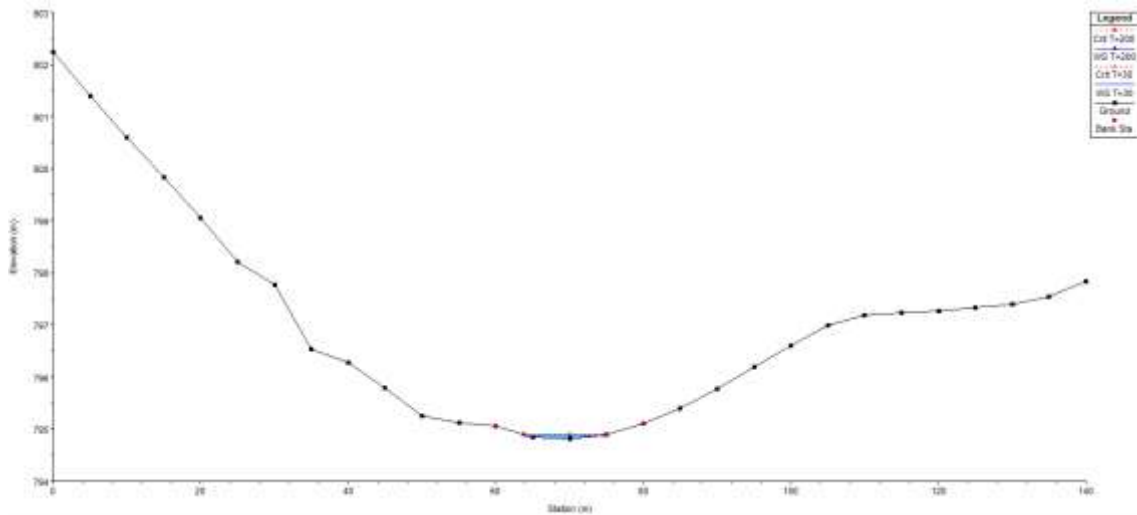
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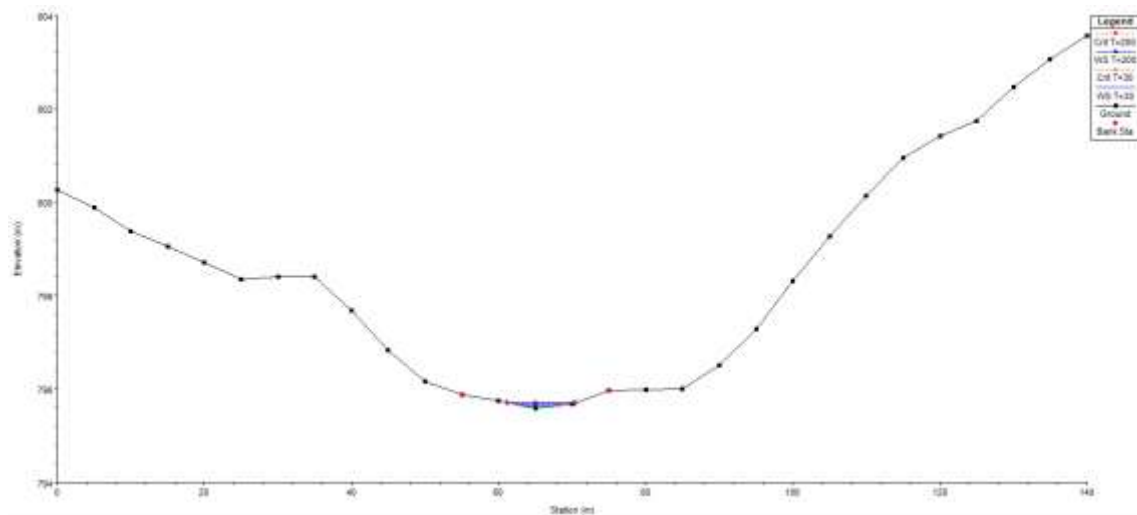
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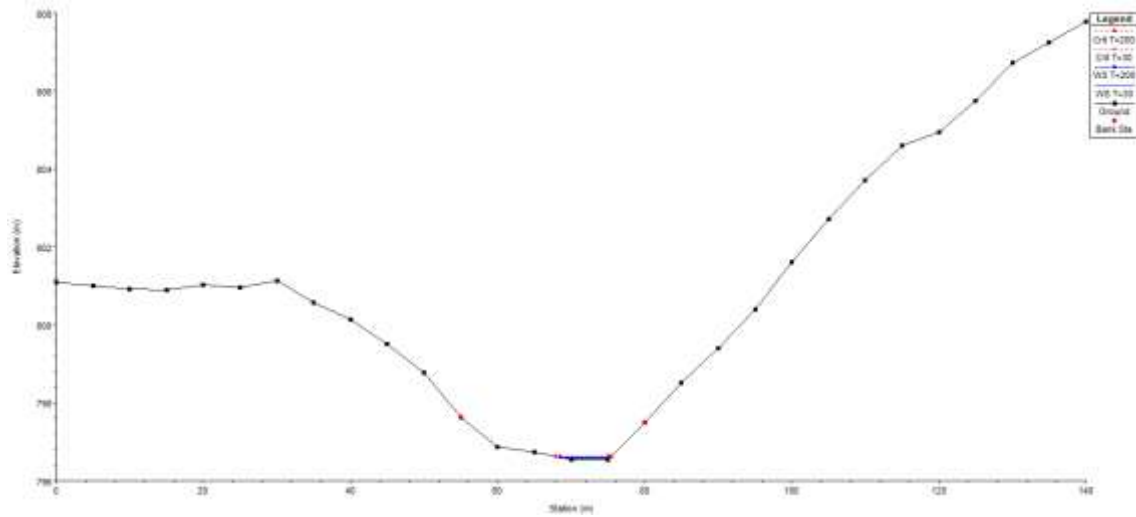
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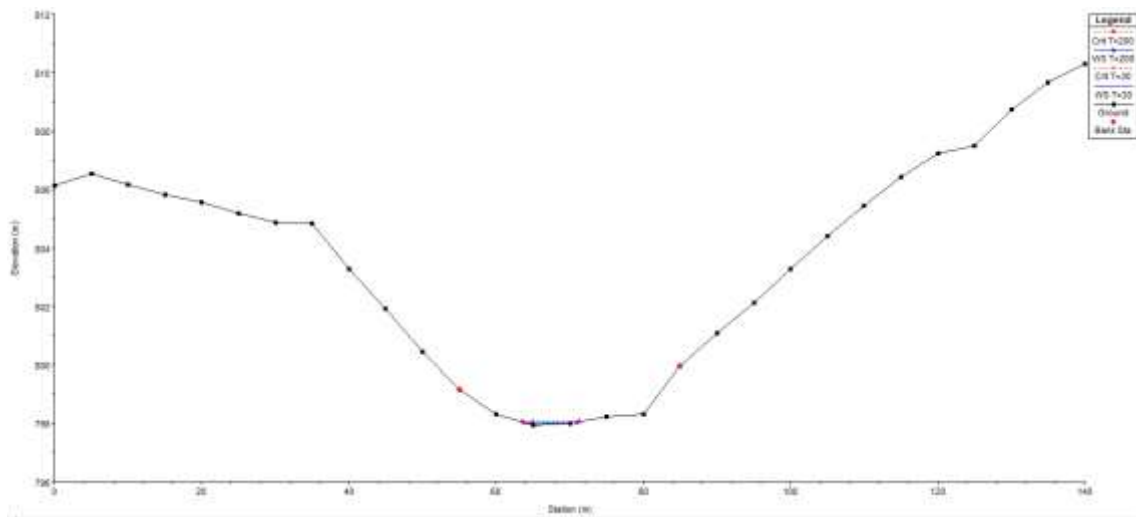
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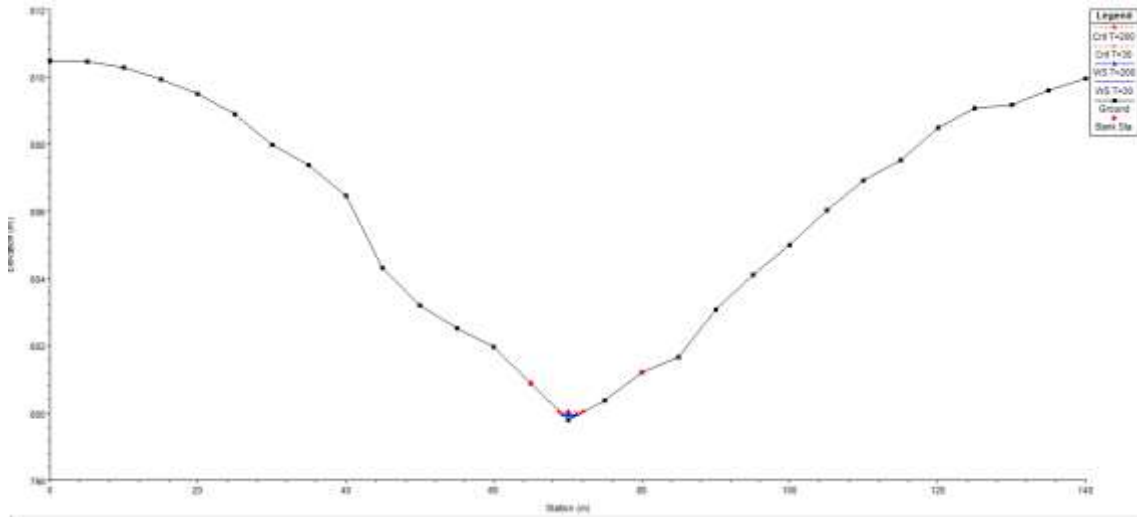
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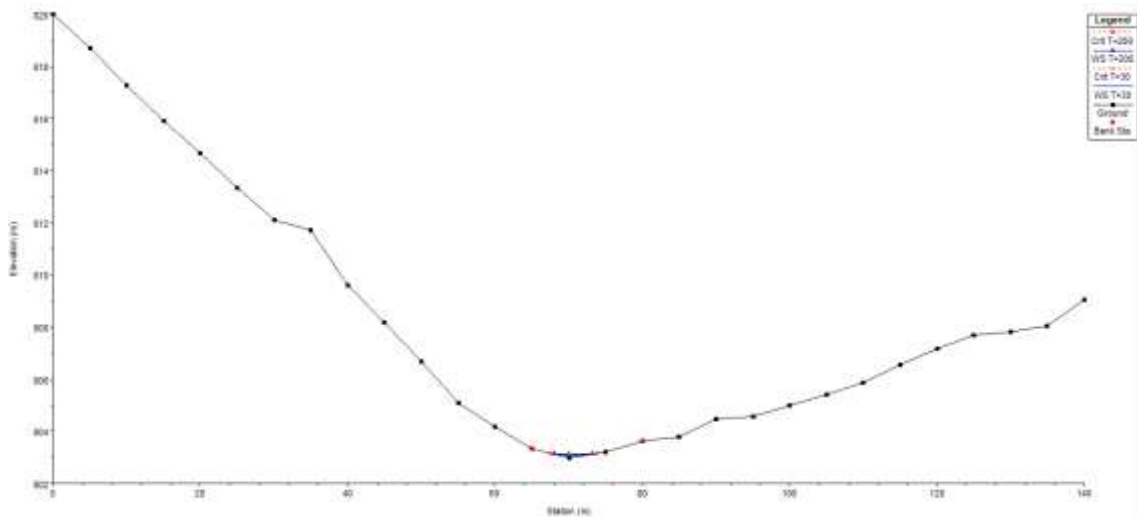
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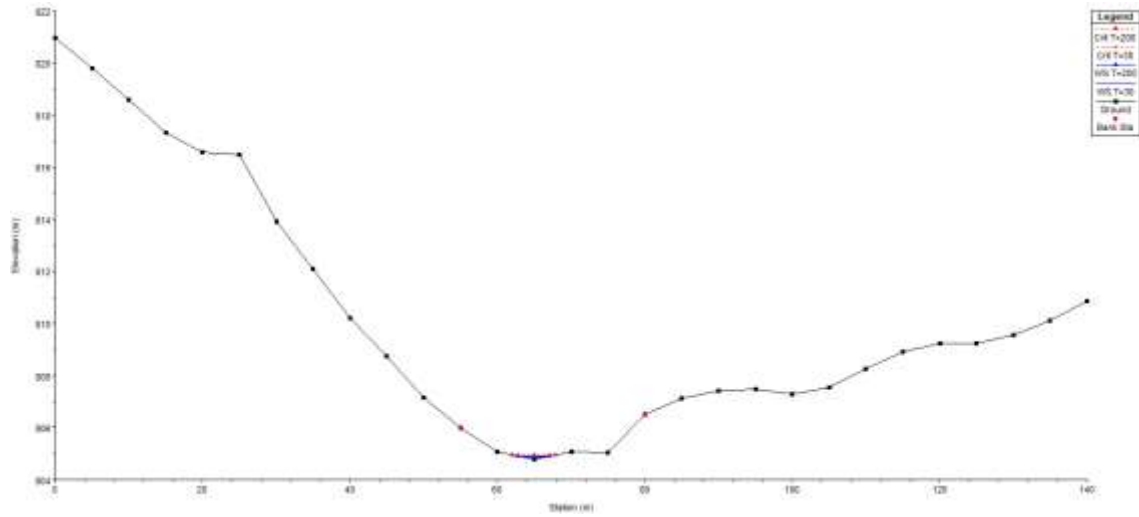
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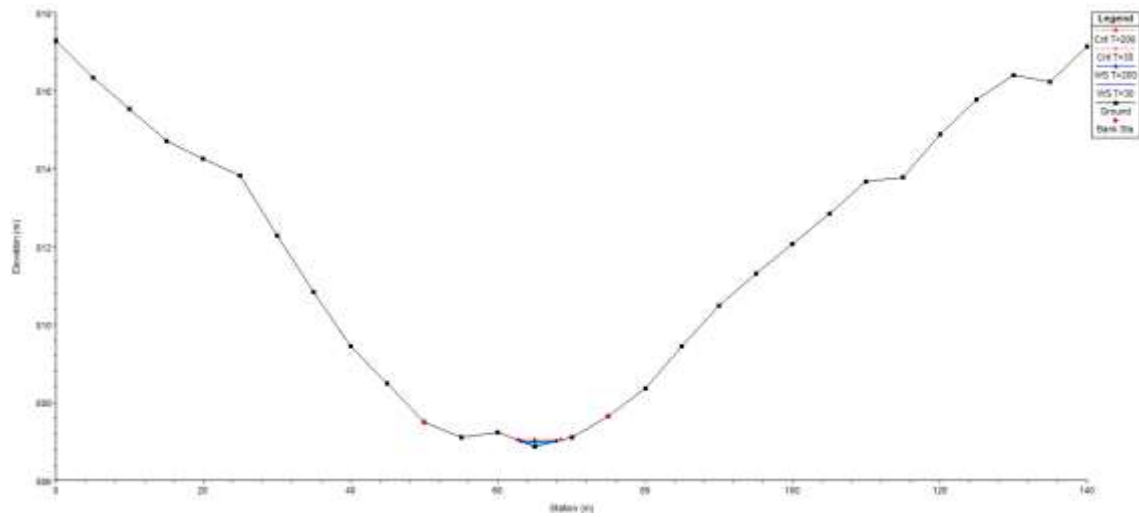
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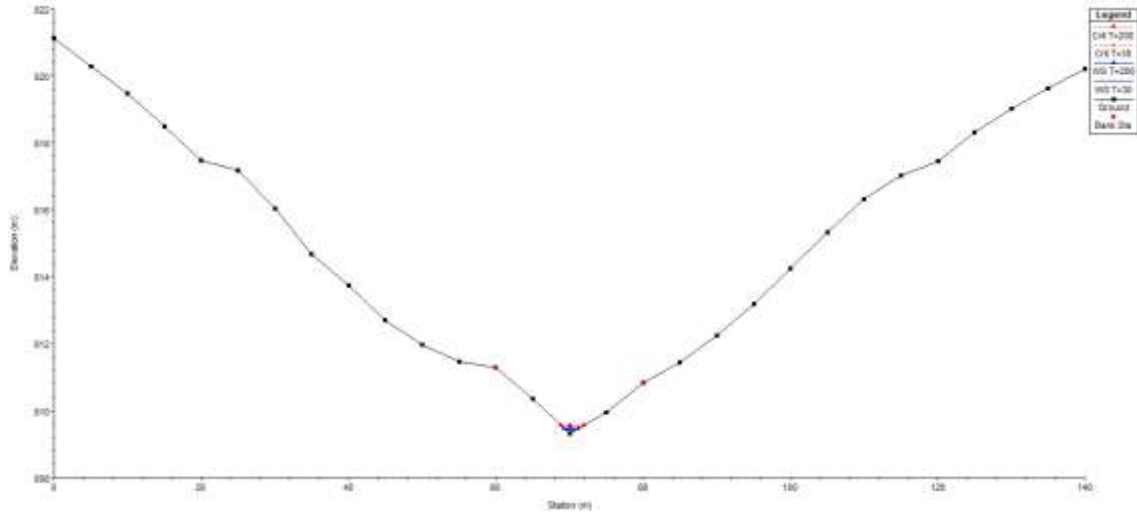
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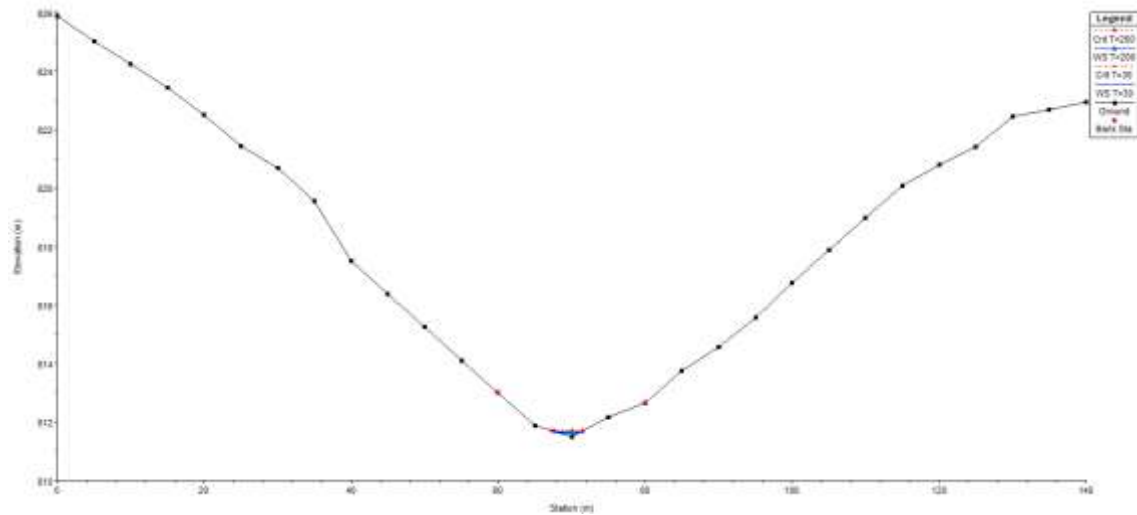
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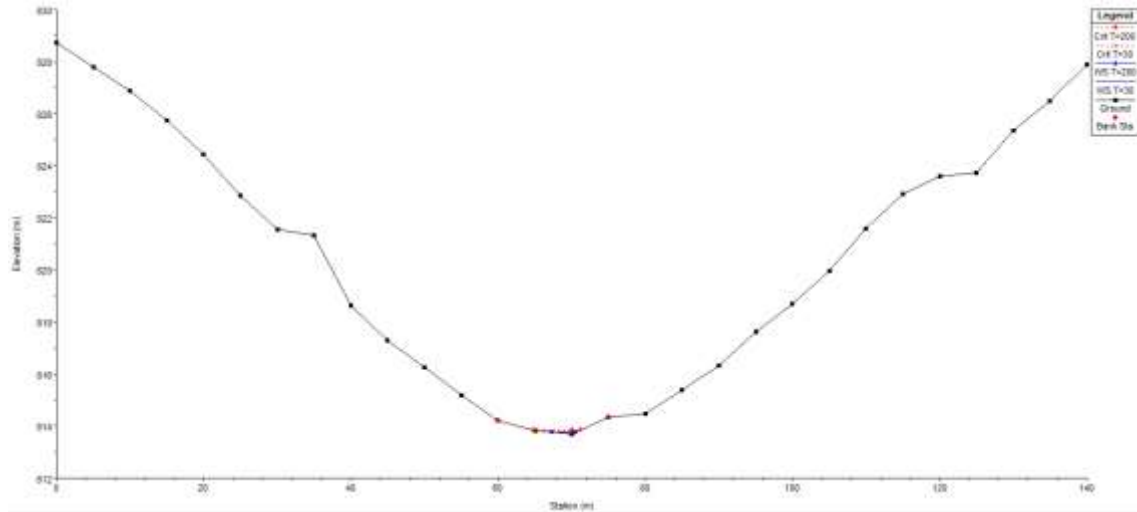
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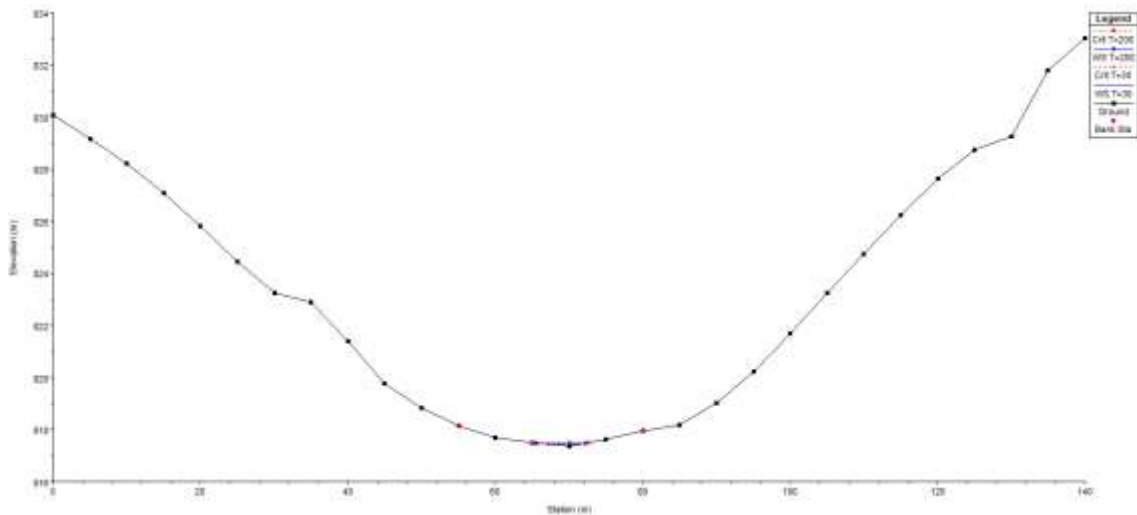
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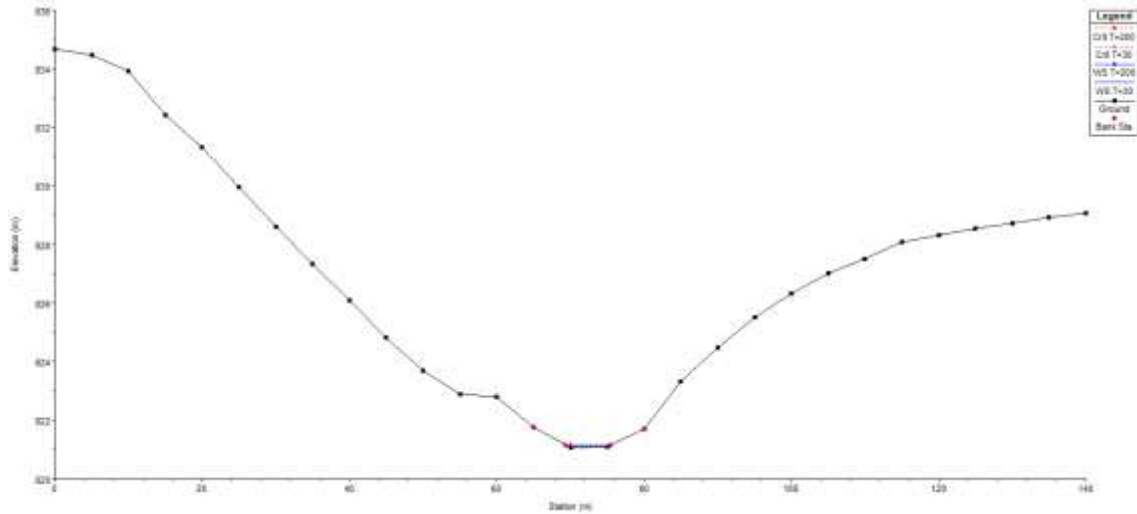
Sezione 33



Sezione 34




Sezione 37



1.2 Stato di Progetto

Dati tabellari

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]	Vel Chnl [m/s]	Flow Area [m2]	Top Width [m]	Froude # Chl
1	T=30	3.14	788.52	788.79	788.82	788.91	0.040449	1.50	2.09	17.04	1.37
	T=200	5.18	788.52	788.83	788.88	789.01	0.048955	1.91	2.71	17.70	1.56
2	T=30	3.14	789.64	789.85	789.96	790.22	0.106788	2.72	1.16	8.03	2.29
	T=200	5.18	789.64	789.92	790.05	790.36	0.085598	2.93	1.77	9.24	2.14
2.3	T=30	3.14	790.07	790.38	790.38	790.48	0.019080	1.38	2.27	11.97	1.01
	T=200	5.18	790.07	790.46	790.46	790.59	0.017545	1.57	3.31	13.52	1.01
2.5	culvert										
2.6	T=30	3.14	792.46	794.03	792.71	794.03	0.000003	0.07	50.03	45.37	0.02
	T=200	5.18	792.46	794.47	792.78	794.47	0.000003	0.08	71.61	52.99	0.02
4	T=30	2.86	794.23	794.49	794.52	794.63	0.024891	1.63	1.76	8.84	1.16
	T=200	4.73	794.23	794.58	794.61	794.75	0.023898	1.86	2.54	10.08	1.19
5	T=30	2.86	795.05	795.25	795.33	795.53	0.090807	2.35	1.22	9.32	2.08
	T=200	4.73	795.05	795.29	795.41	795.73	0.112201	2.93	1.61	10.36	2.37
6	T=30	2.86	797.30	797.46	797.58	797.88	0.151938	2.85	1.00	8.43	2.64
	T=200	4.73	797.30	797.53	797.66	797.98	0.113102	2.99	1.58	9.95	2.39
7	T=30	2.86	799.11	799.31	799.34	799.41	0.044646	1.41	2.03	19.67	1.40
	T=200	4.73	799.11	799.35	799.39	799.50	0.052678	1.75	2.70	21.36	1.57
8	T=30	2.86	800.14	800.45	800.59	800.97	0.132521	3.19	0.90	5.75	2.57
	T=200	4.73	800.14	800.53	800.69	801.12	0.112358	3.40	1.39	7.16	2.46
9	T=30	2.86	802.23	802.45	802.51	802.63	0.054853	1.85	1.55	11.61	1.62
	T=200	4.73	802.23	802.50	802.58	802.76	0.060514	2.25	2.10	12.63	1.76
10	T=30	2.86	803.98	804.20	804.38	805.35	0.463549	4.75	0.60	5.42	4.55
	T=200	4.73	803.98	804.26	804.48	805.54	0.381256	5.03	0.94	6.72	4.29
10.3	T=30	2.86	805.95	806.22	806.22	806.31	0.019393	1.32	2.17	12.65	1.01
	T=200	4.73	805.95	806.30	806.30	806.41	0.017377	1.52	3.15	14.04	1.00
10.5	culvert										
10.6	T=30	2.86	807.68	808.93	808.05	808.93	0.000030	0.16	20.29	29.81	0.05

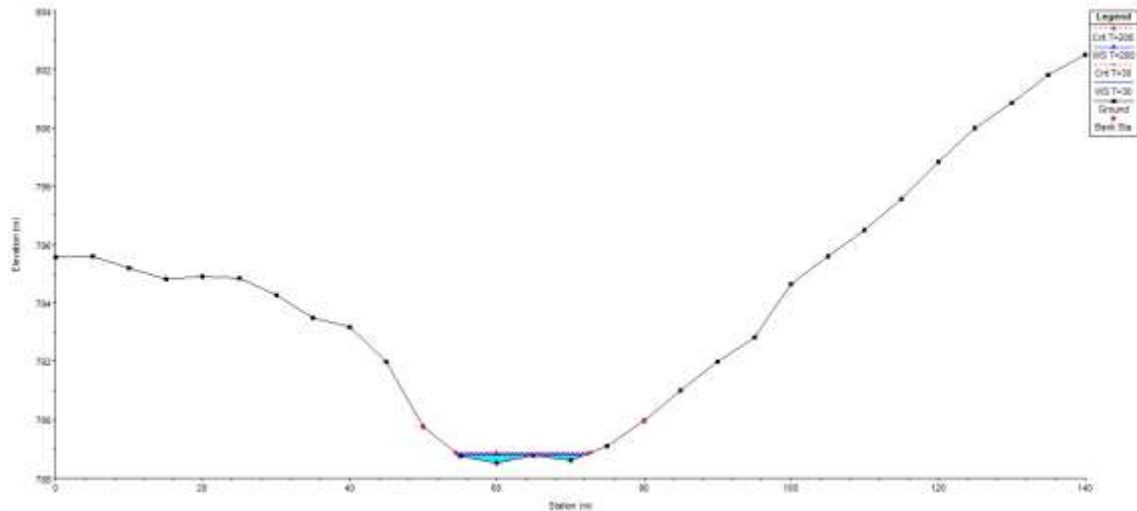
 BUONVENTO s.r.l. Proponente	 MA Progettista
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	T=200	4.73	807.68	809.34	808.14	809.35	0.000020	0.17	33.77	35.34	0.05
12	T=30	2.86	808.59	808.77	808.95	809.81	0.475365	4.51	0.63	6.30	4.54
	T=200	4.73	808.59	808.82	809.04	810.11	0.389771	5.02	0.94	6.86	4.33
13	T=30	2.86	811.64	811.89	811.96	812.13	0.048841	2.17	1.32	7.07	1.61
	T=200	4.73	811.64	811.96	812.06	812.29	0.047678	2.54	1.86	7.76	1.66
14	T=30	2.86	812.84	813.10	813.21	813.45	0.088341	2.59	1.10	7.10	2.10
	T=200	4.73	812.84	813.16	813.31	813.67	0.097381	3.17	1.49	7.66	2.29
15	T=30	2.86	814.82	815.20	815.43	816.20	0.201892	4.44	0.64	3.37	3.24
	T=200	4.73	814.82	815.29	815.57	816.50	0.185835	4.88	0.97	4.14	3.22
16	T=30	2.86	819.00	819.28	819.41	819.80	0.156628	3.19	0.90	6.51	2.75
	T=200	4.73	819.00	819.33	819.51	820.01	0.161474	3.66	1.29	7.82	2.87
17	T=30	2.86	822.32	822.51	822.63	822.95	0.158558	2.96	0.97	7.97	2.71
	T=200	4.73	822.32	822.56	822.72	823.15	0.151510	3.41	1.39	8.92	2.76
18	T=30	2.86	824.71	825.00	825.13	825.34	0.092061	2.57	1.11	7.53	2.13
	T=200	4.73	824.71	825.07	825.20	825.50	0.092571	2.92	1.62	9.08	2.20
19	T=30	2.86	827.43	827.57	827.69	828.06	0.211080	3.09	0.93	8.85	3.05
	T=200	4.73	827.43	827.61	827.76	828.28	0.216841	3.63	1.30	10.01	3.21
20	T=30	2.86	830.94	831.12	831.26	831.64	0.153701	3.21	0.89	6.32	2.73
	T=200	4.73	830.94	831.17	831.36	831.91	0.152896	3.81	1.24	6.78	2.84
21	T=30	2.86	833.81	834.13	834.30	834.78	0.156433	3.56	0.80	4.90	2.81
	T=200	4.73	833.81	834.20	834.40	835.03	0.156402	4.04	1.17	5.92	2.90
22	T=30	2.86	837.18	837.48	837.64	838.14	0.180290	3.62	0.79	5.28	2.98
	T=200	4.73	837.18	837.54	837.74	838.39	0.180245	4.10	1.15	6.37	3.08
23	T=30	0.28	794.80	794.87	794.87	794.90	0.060236	0.82	0.34	9.35	1.37
	T=200	0.45	794.80	794.88	794.89	794.92	0.048326	0.88	0.51	10.80	1.28
24	T=30	0.28	795.60	795.69	795.69	795.72	0.029244	0.69	0.41	8.32	1.00
	T=200	0.45	795.60	795.71	795.71	795.74	0.035352	0.86	0.53	9.03	1.13
25	T=30	0.28	796.54	796.58	796.60	796.65	0.112182	1.16	0.24	6.31	1.88
	T=200	0.45	796.54	796.60	796.62	796.68	0.098014	1.30	0.35	6.80	1.84
26	T=30	0.28	797.93	798.01	798.02	798.05	0.047563	0.87	0.32	6.64	1.27
	T=200	0.45	797.93	798.03	798.04	798.08	0.052087	1.05	0.43	7.18	1.38
27	T=30	0.28	799.80	799.91	800.00	800.45	0.531864	3.25	0.09	1.51	4.34
	T=200	0.45	799.80	799.94	800.05	800.51	0.414710	3.34	0.13	1.88	3.98

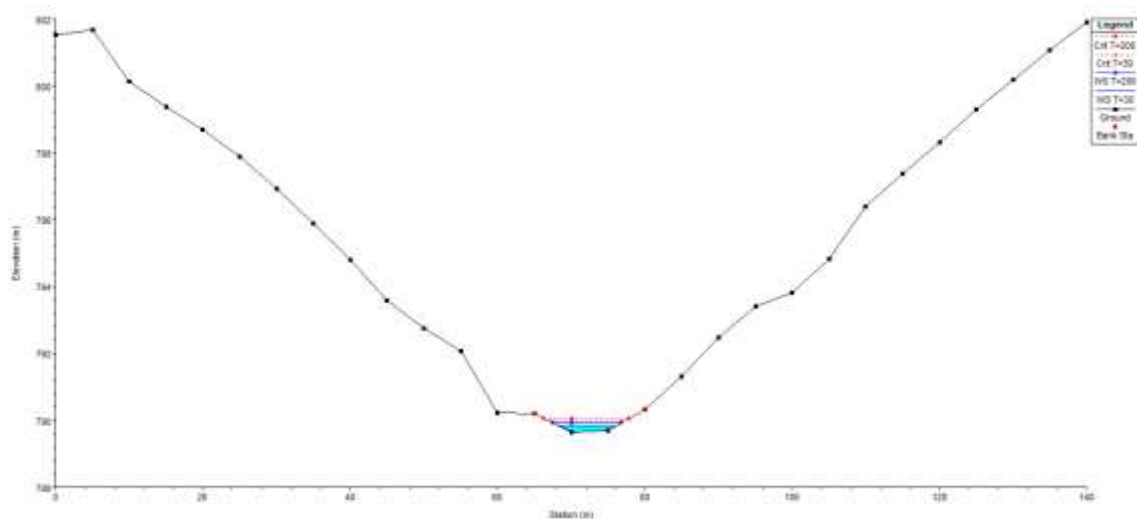
28	T=30	0.28	802.99	803.10	803.12	803.17	0.059315	1.11	0.25	4.30	1.47
	T=200	0.45	802.99	803.12	803.15	803.21	0.064382	1.29	0.35	5.05	1.57
29	T=30	0.28	804.78	804.88	804.92	805.02	0.159388	1.64	0.17	3.43	2.34
	T=200	0.45	804.78	804.90	804.95	805.06	0.140262	1.76	0.26	4.19	2.27
30	T=30	0.28	806.87	806.99	807.01	807.06	0.070503	1.20	0.23	4.05	1.60
	T=200	0.45	806.87	807.01	807.04	807.11	0.077522	1.40	0.32	4.75	1.72
31	T=30	0.28	809.30	809.43	809.51	809.82	0.341617	2.78	0.10	1.60	3.54
	T=200	0.45	809.30	809.46	809.56	809.90	0.289433	2.94	0.15	1.97	3.37
32	T=30	0.28	811.51	811.66	811.68	811.73	0.042793	1.13	0.25	3.20	1.30
	T=200	0.45	811.51	811.69	811.71	811.77	0.044513	1.29	0.35	3.79	1.37
33	T=30	0.28	813.70	813.75	813.82	814.44	1.604084	3.66	0.08	2.59	6.81
	T=200	0.45	813.70	813.77	813.85	814.52	1.319488	3.83	0.12	3.21	6.40
34	T=30	0.28	817.35	817.45	817.47	817.50	0.052219	0.96	0.29	5.62	1.35
	T=200	0.45	817.35	817.47	817.49	817.54	0.053108	1.09	0.41	6.69	1.40
35	T=30	0.28	818.12	818.23	818.23	818.26	0.028428	0.73	0.38	7.06	1.00
	T=200	0.45	818.12	818.25	818.25	818.29	0.027688	0.82	0.55	8.32	1.02
36	T=30	0.28	818.98	819.05	819.07	819.10	0.107791	1.06	0.27	7.66	1.81
	T=200	0.45	818.98	819.06	819.08	819.13	0.109435	1.18	0.38	9.37	1.88
37	T=30	0.28	821.06	821.12	821.14	821.19	0.099982	1.16	0.24	5.67	1.81
	T=200	0.45	821.06	821.13	821.16	821.23	0.099849	1.39	0.32	5.89	1.88

Sezioni

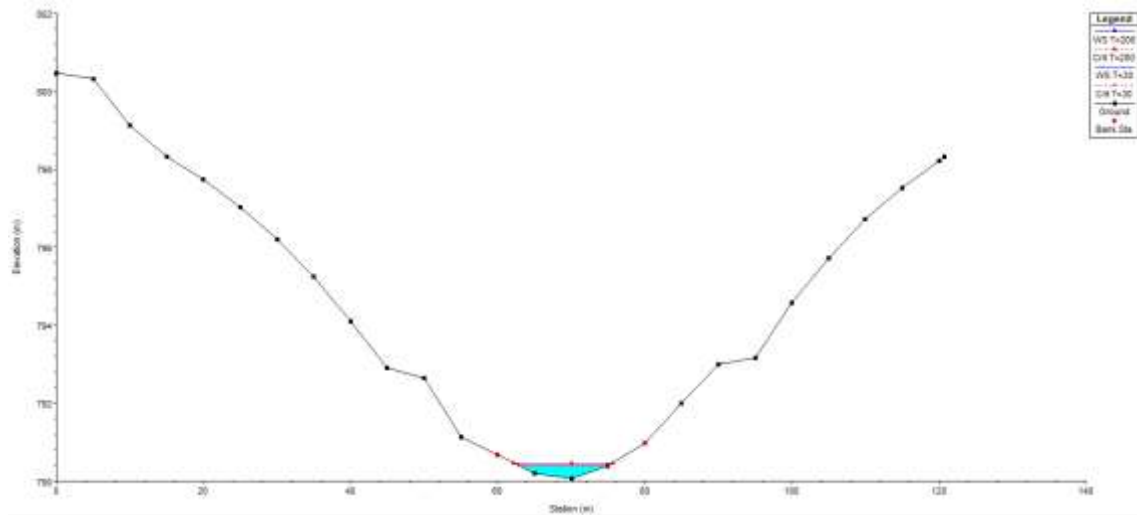
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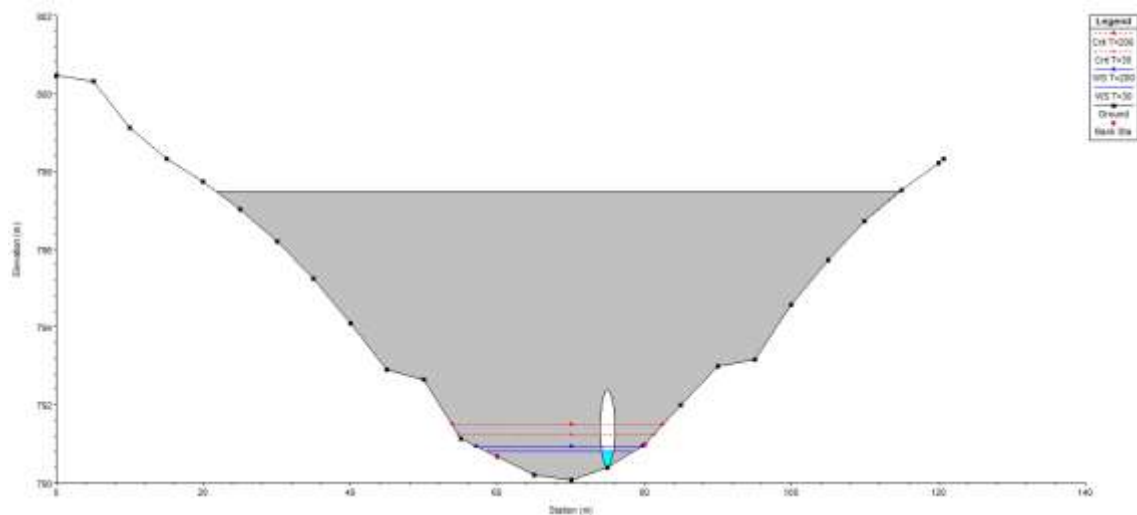
Sezione 2



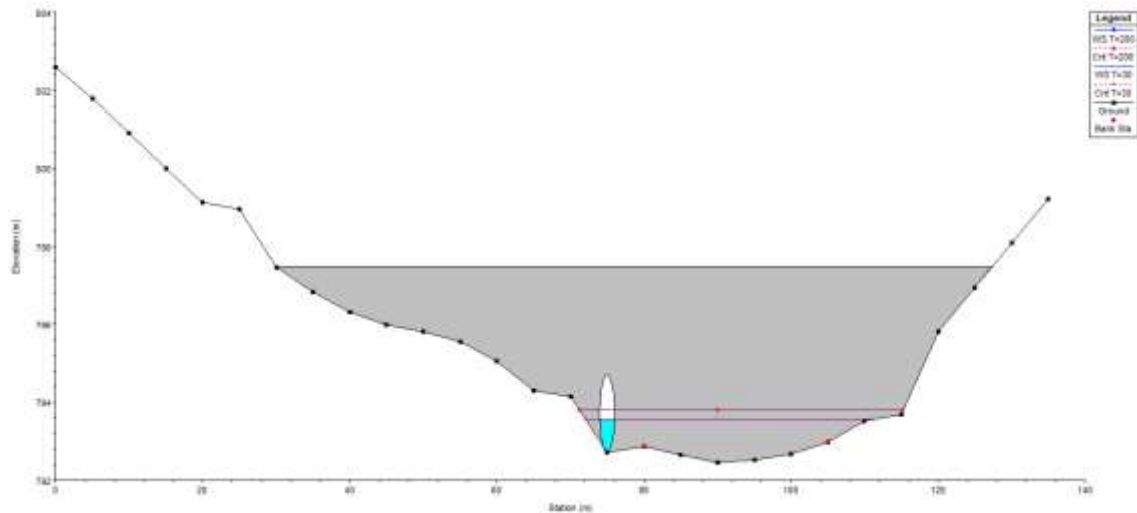
Sezione 2.3



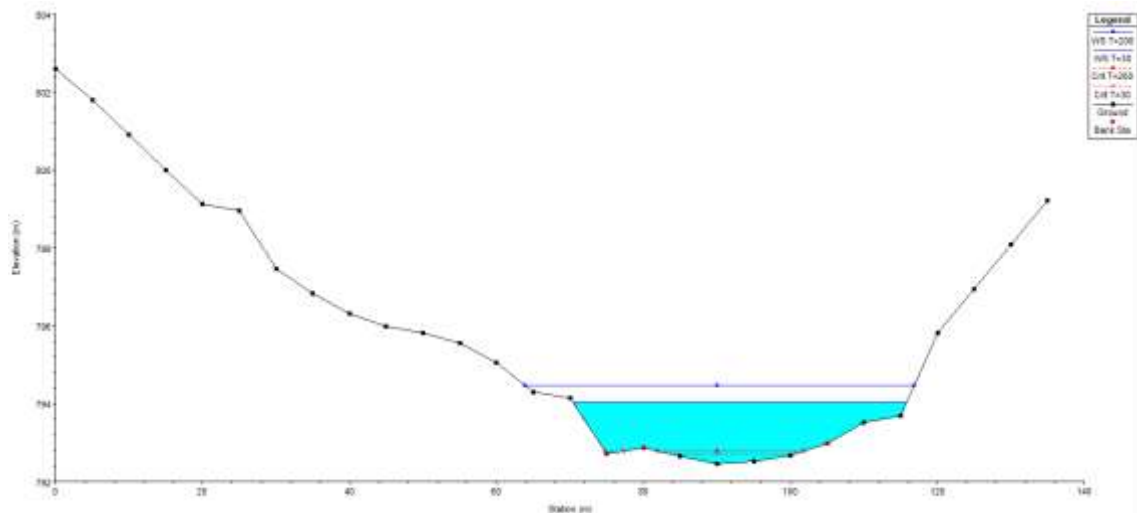
2.5 Culvert D



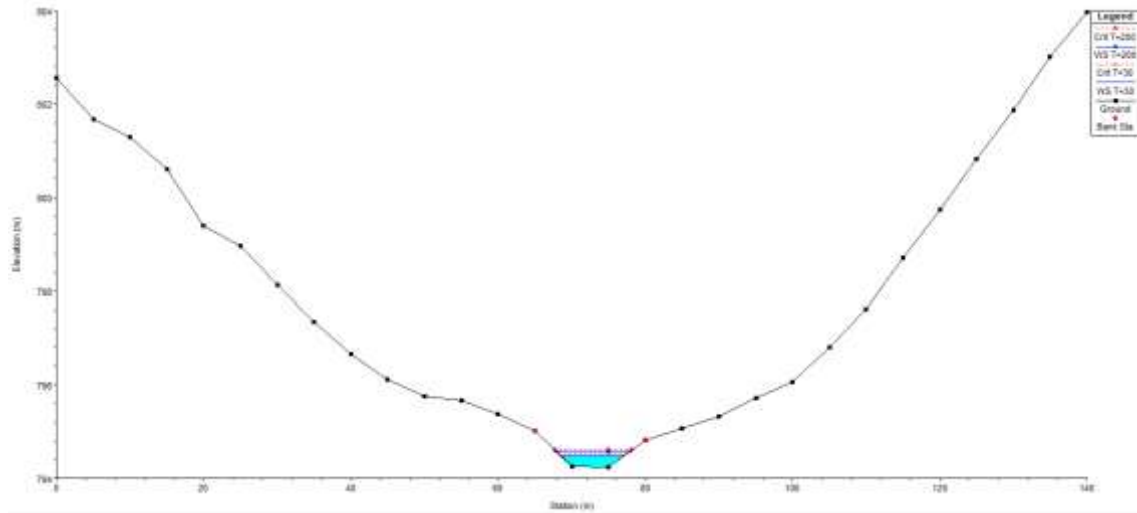
2.5 Culvert U



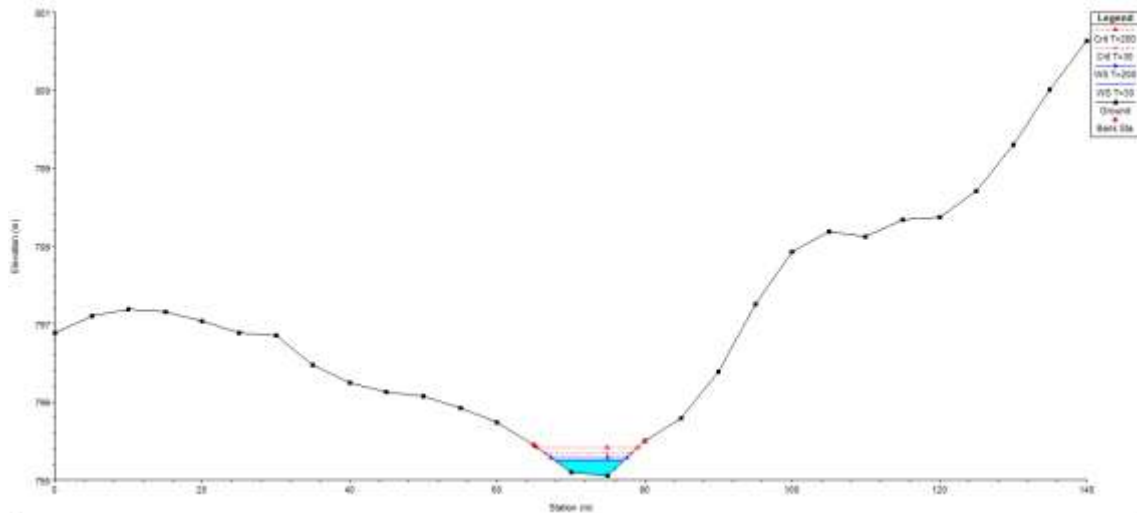
Sezione 2.6



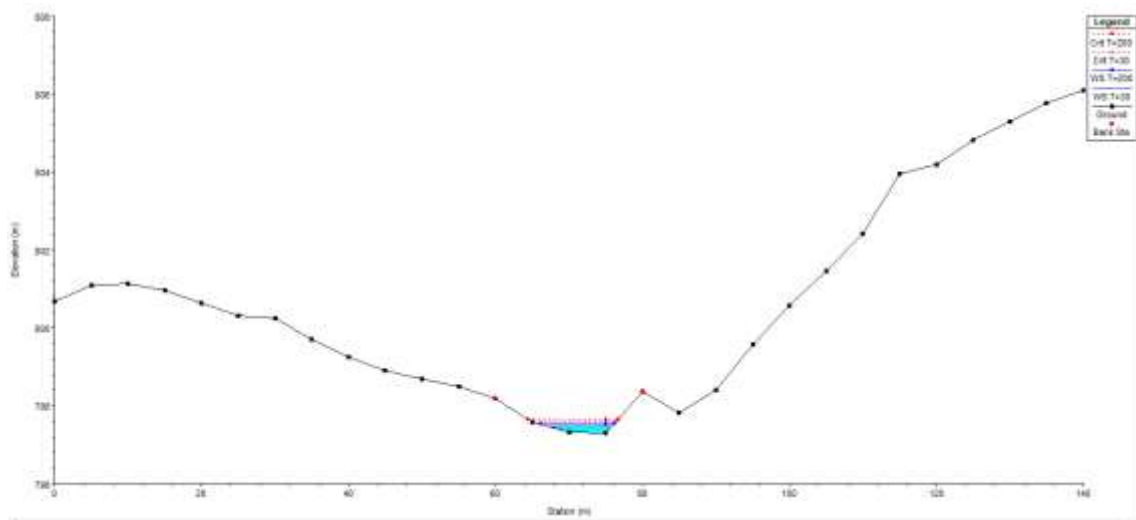
Sezione 4



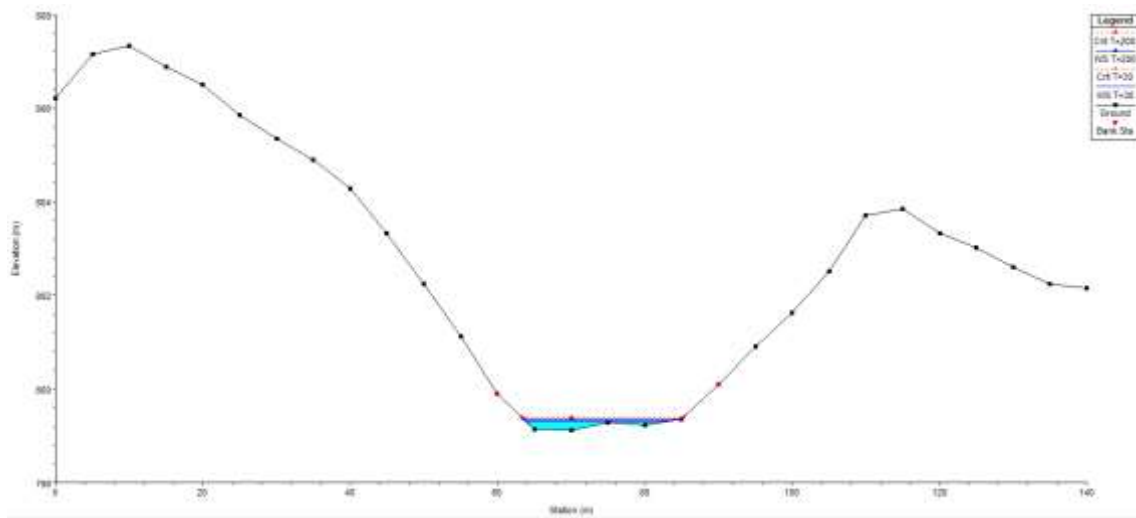
Sezione 5



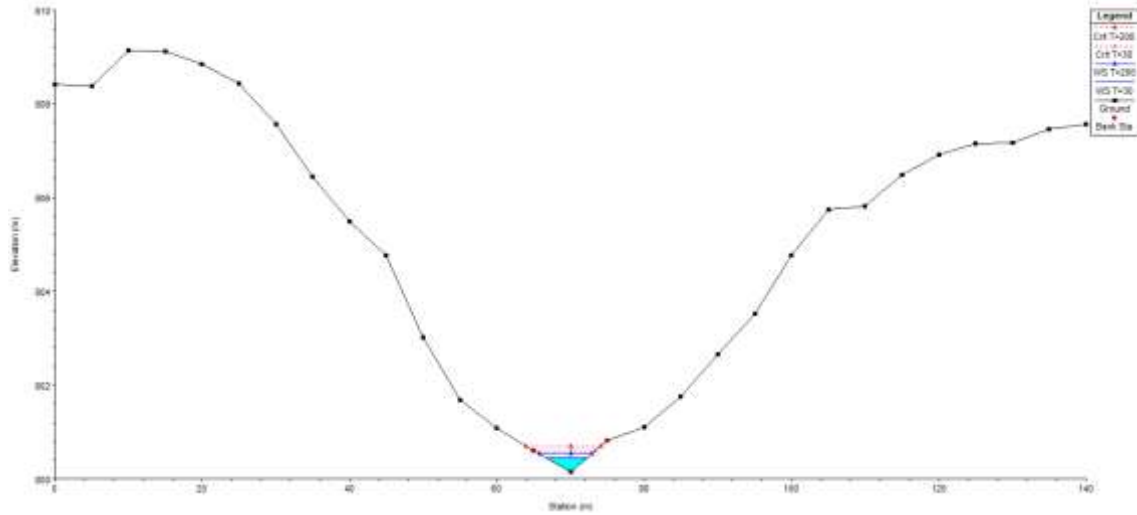
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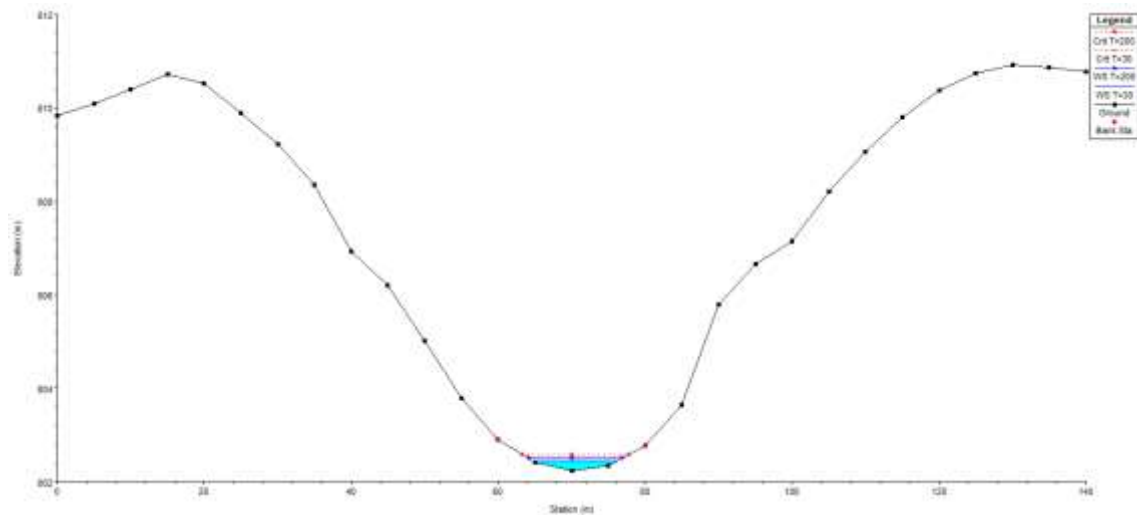
Sezione 7



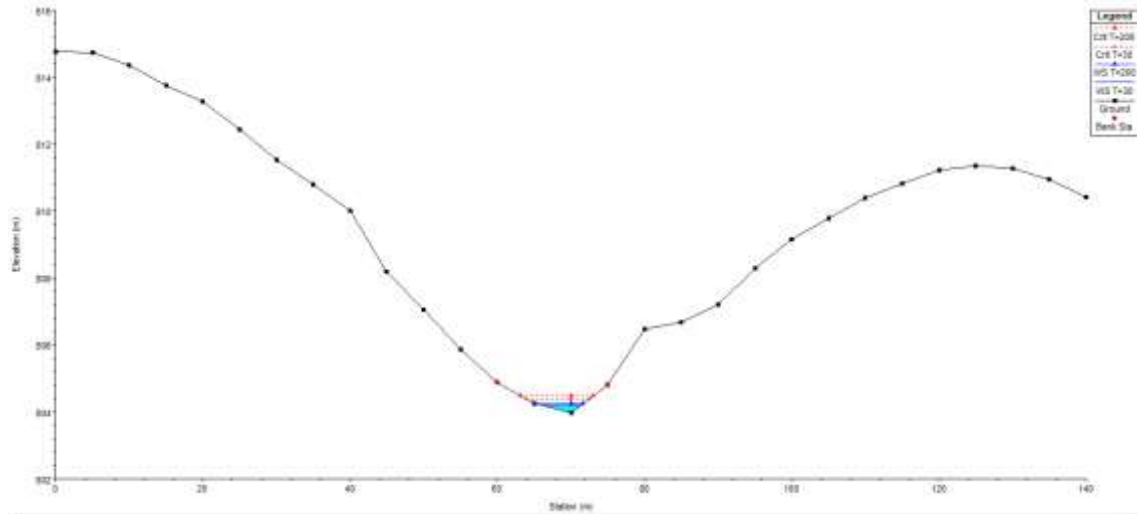
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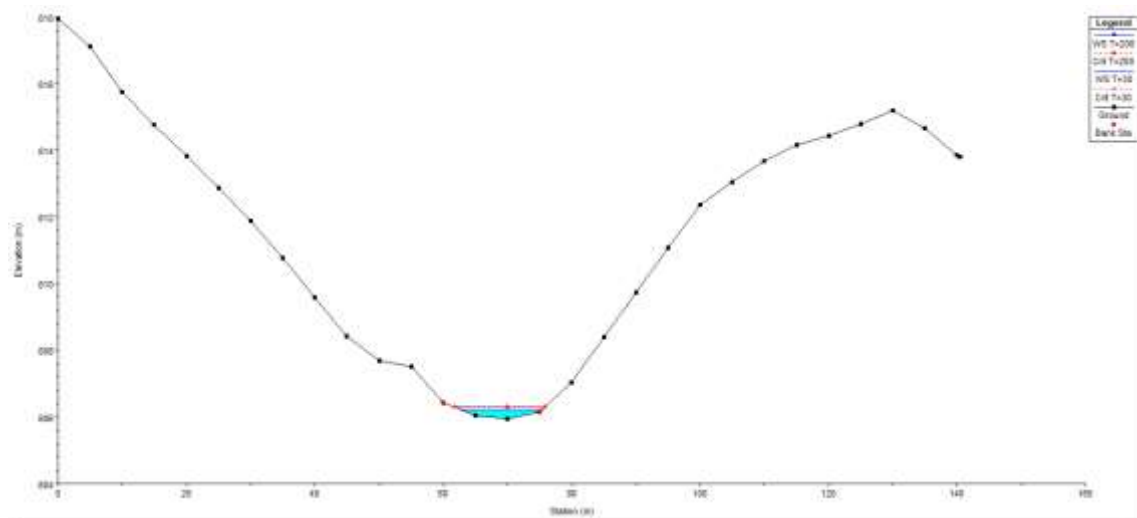
Sezione 9



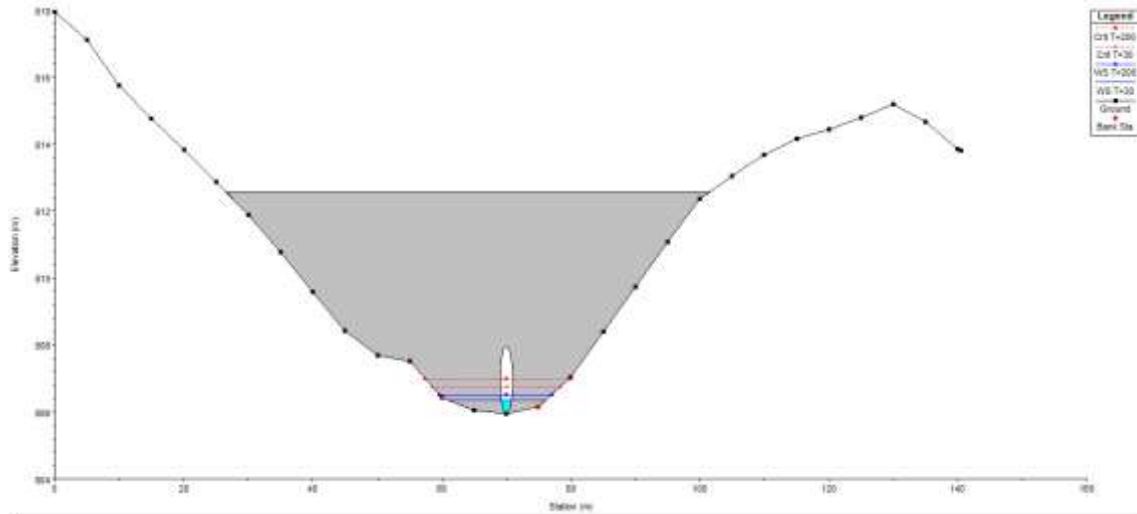
Sezione 10



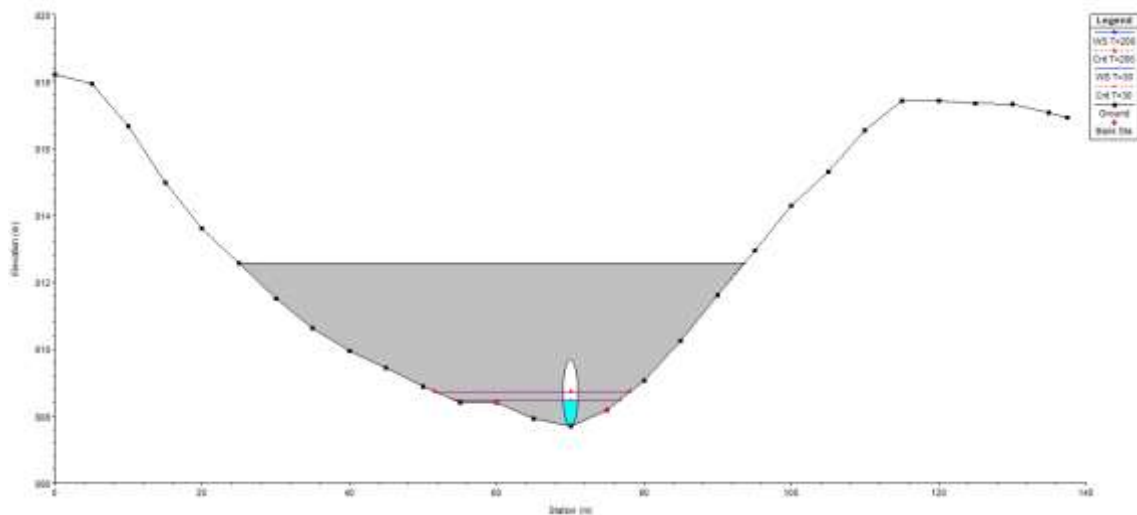
Sezione 10.3



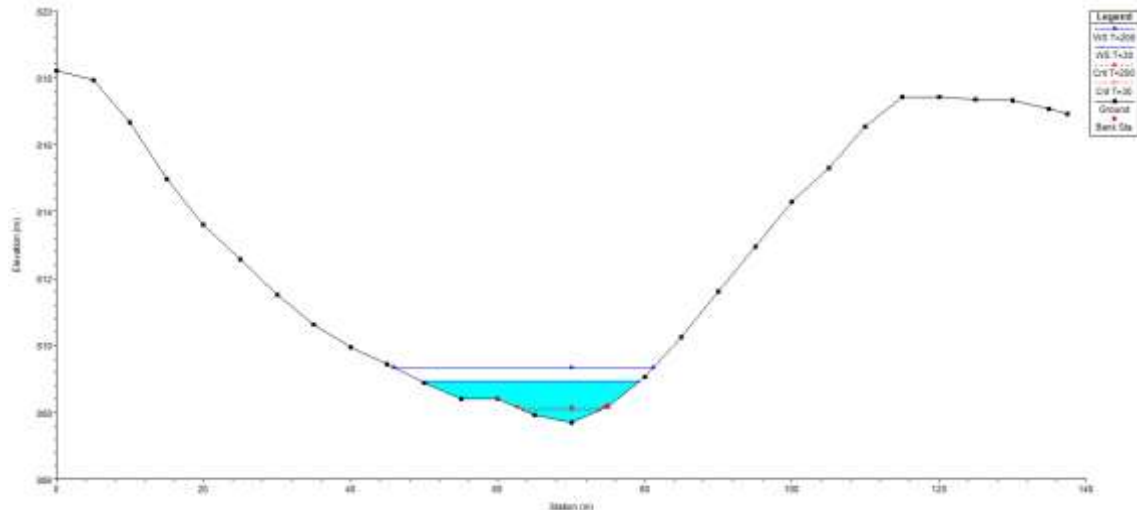
10.5 Culvert D



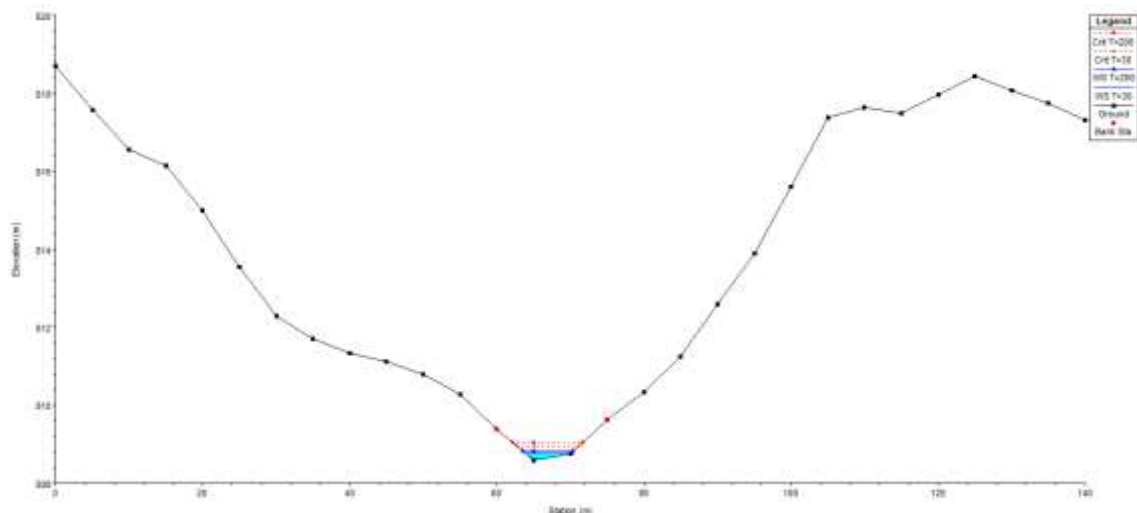
10.5 Culvert U



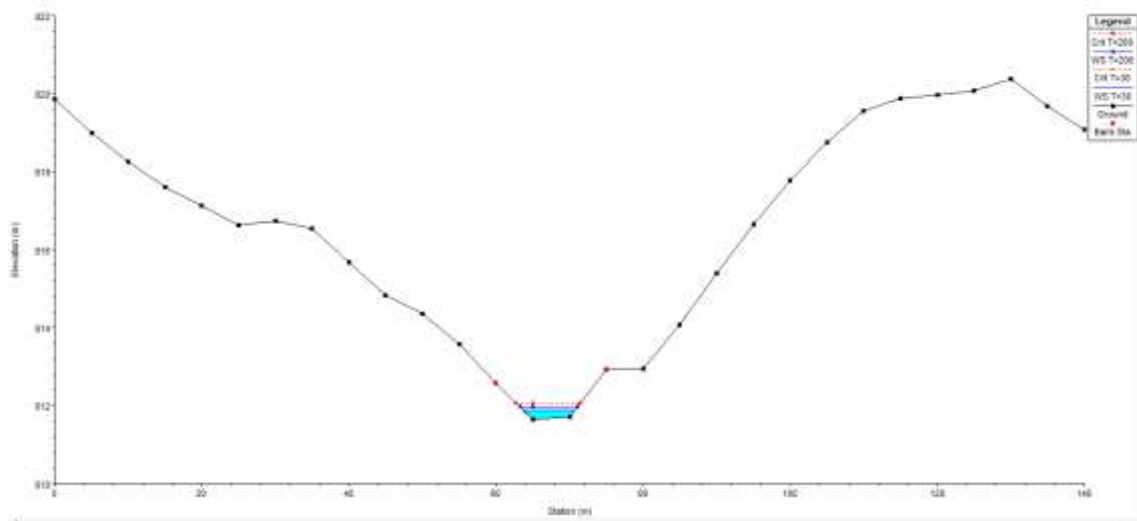
Sezione 10.6



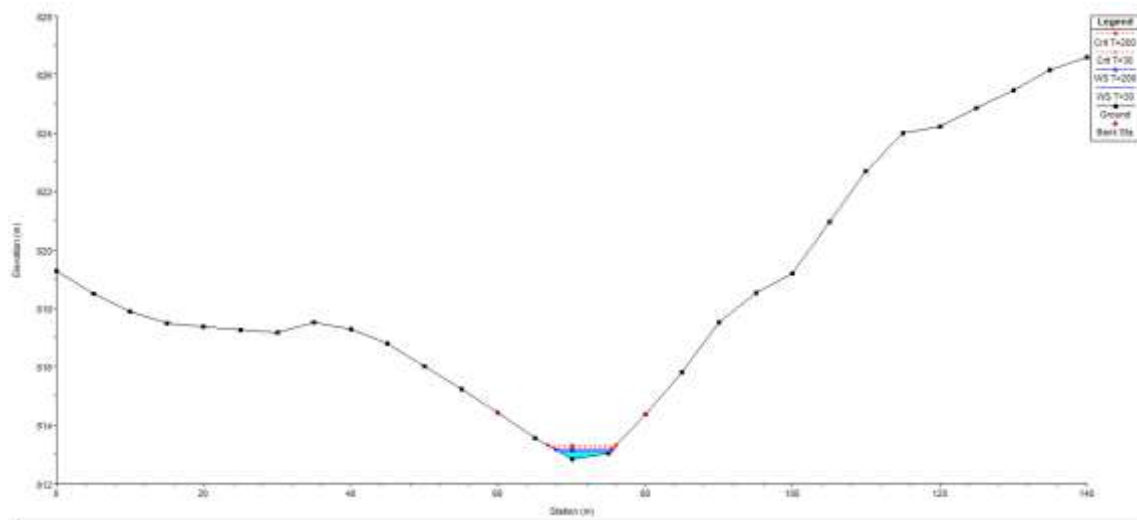
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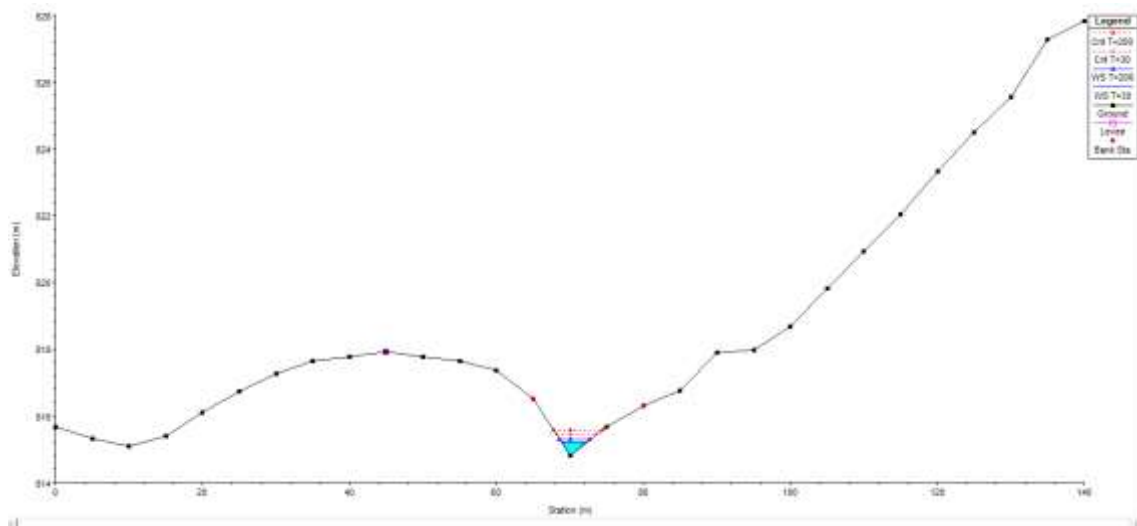
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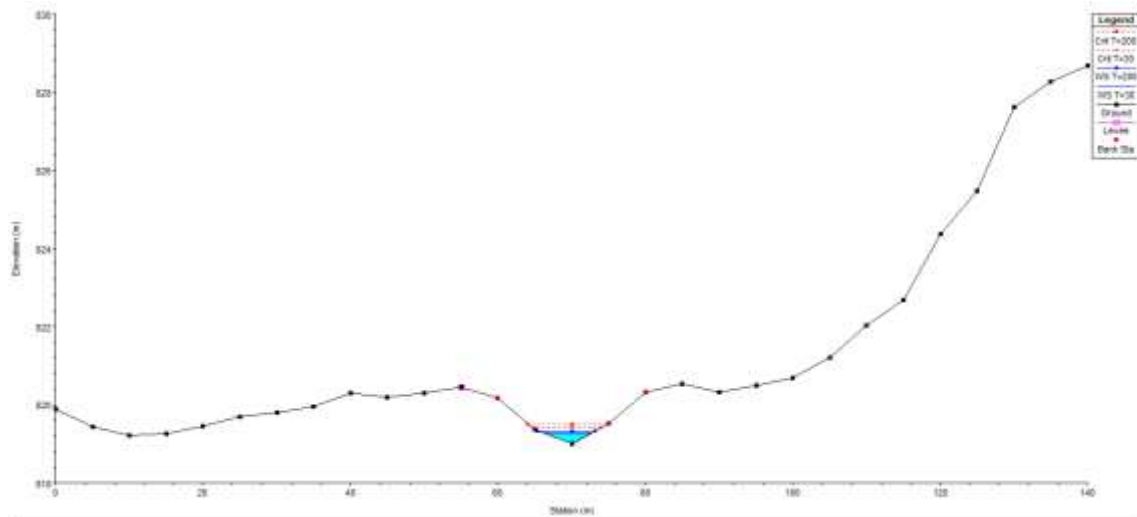
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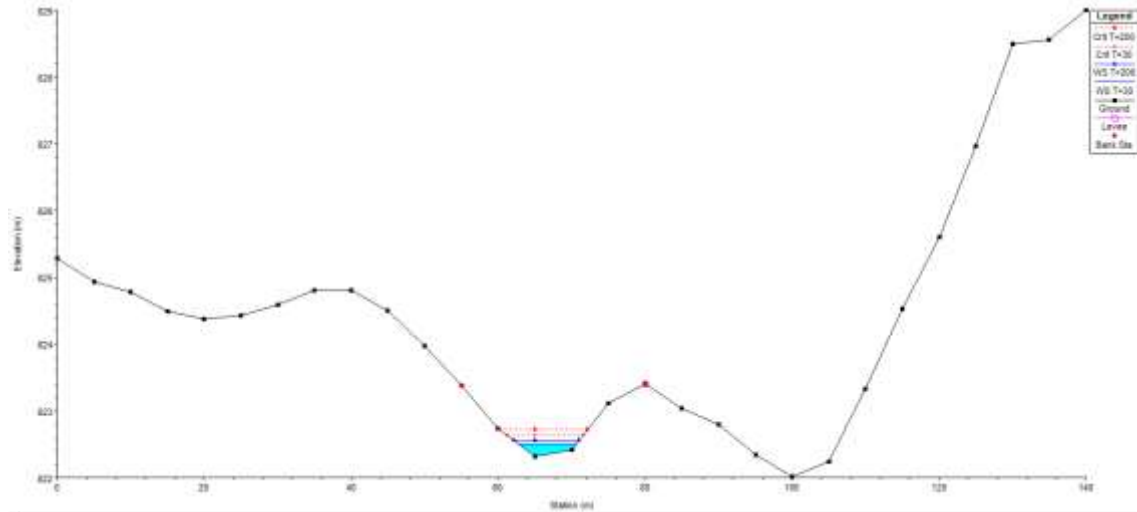
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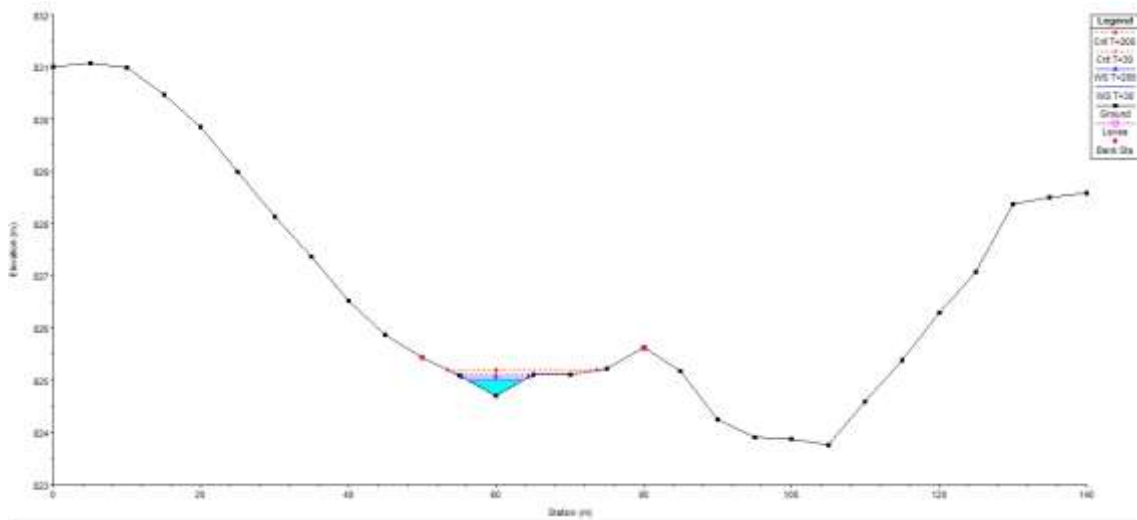
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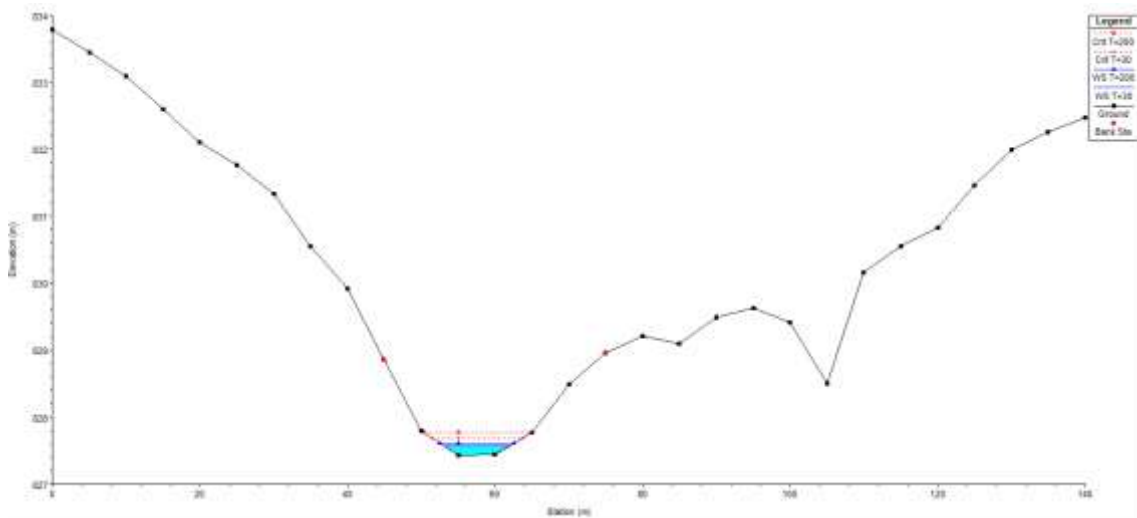
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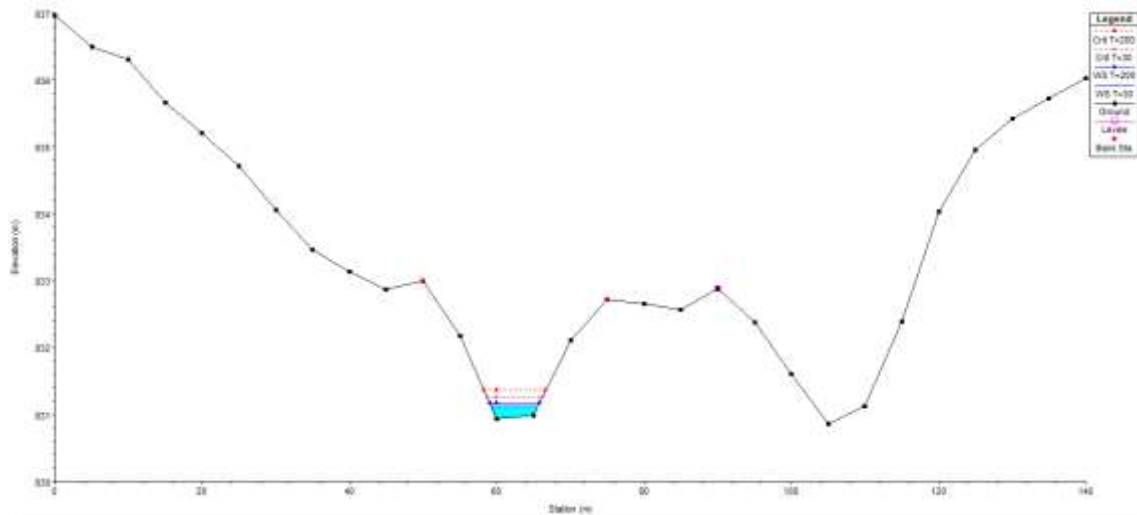
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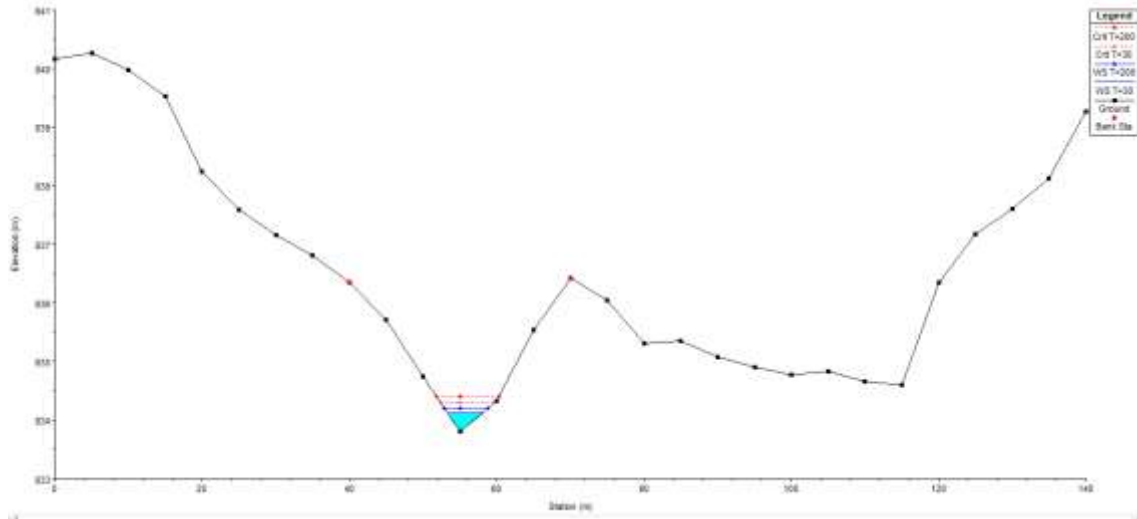
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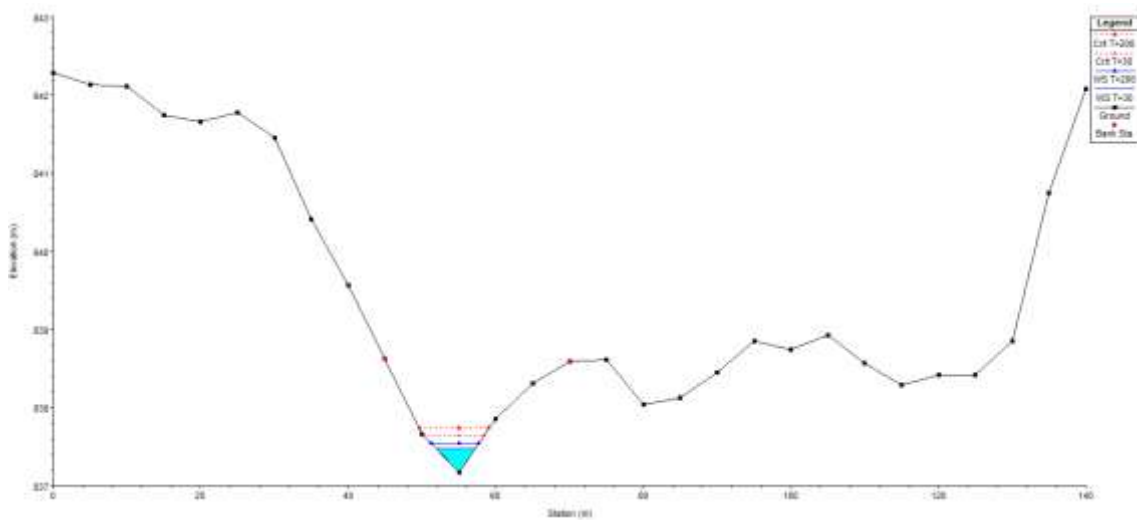
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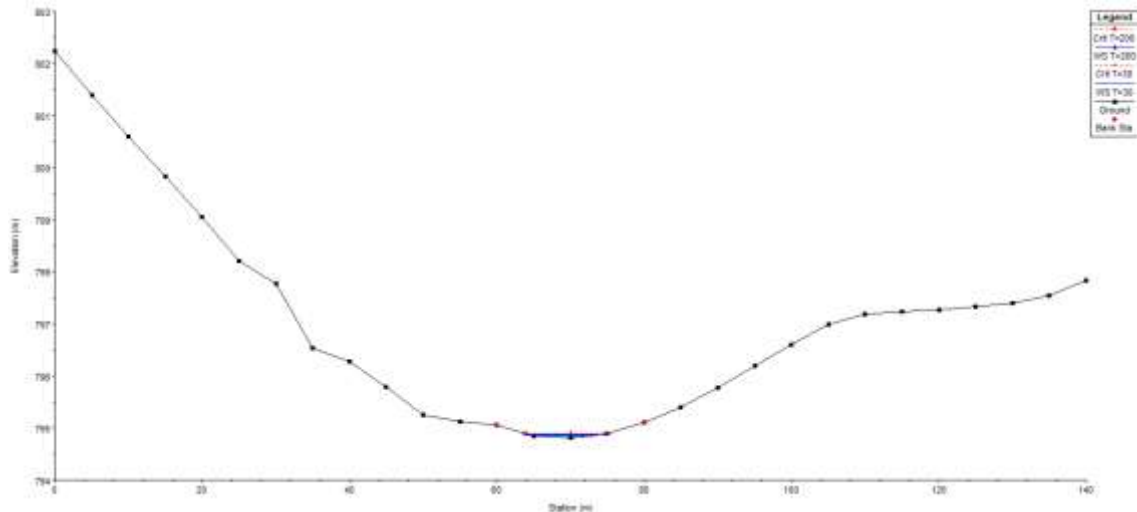
Sezione 21



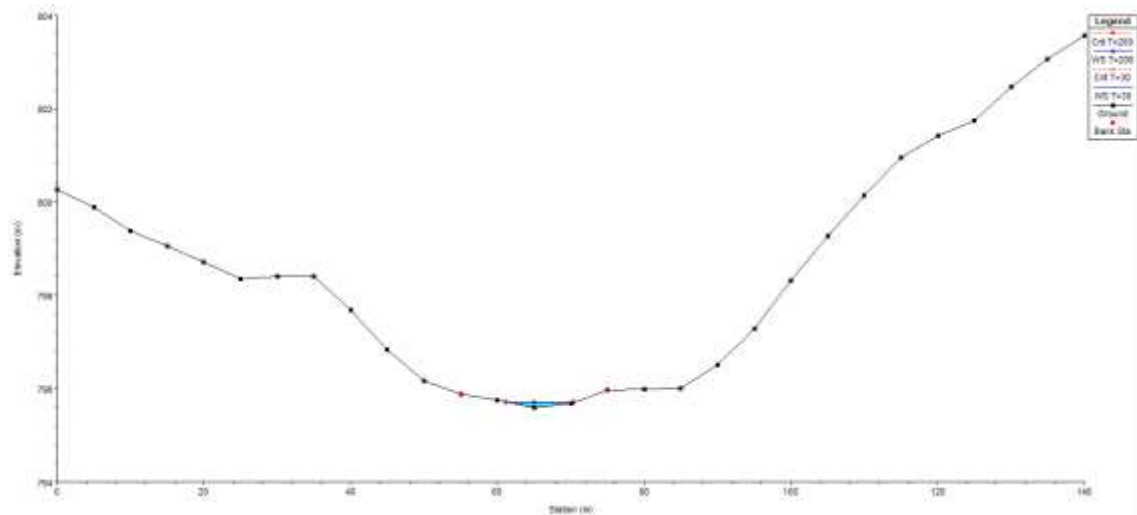
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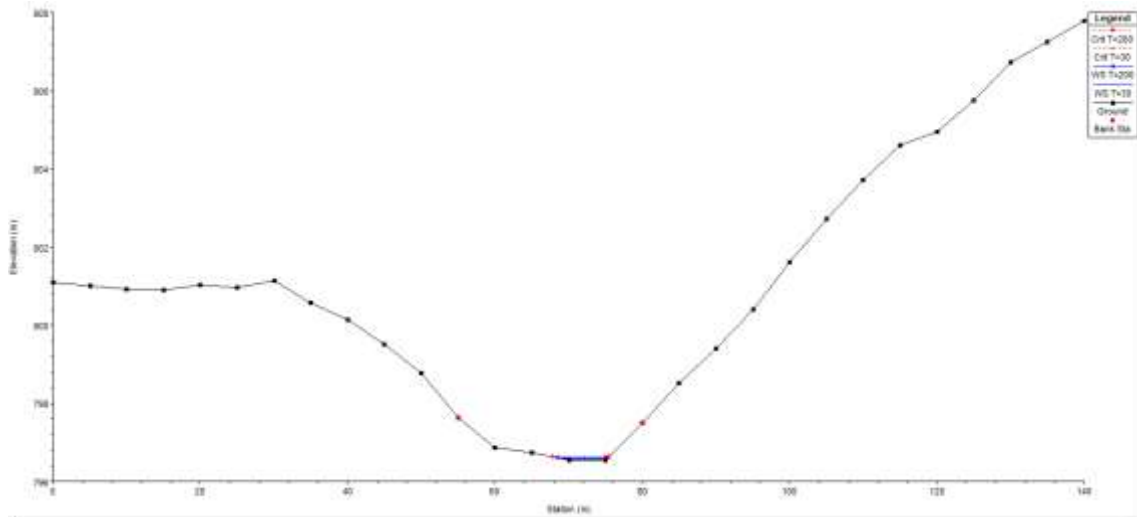
Sezione 23



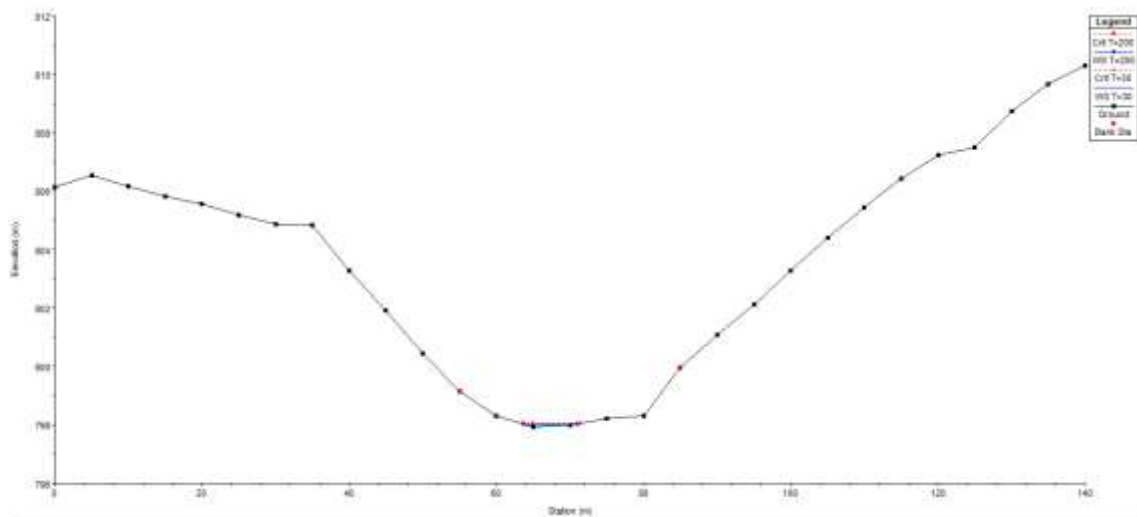
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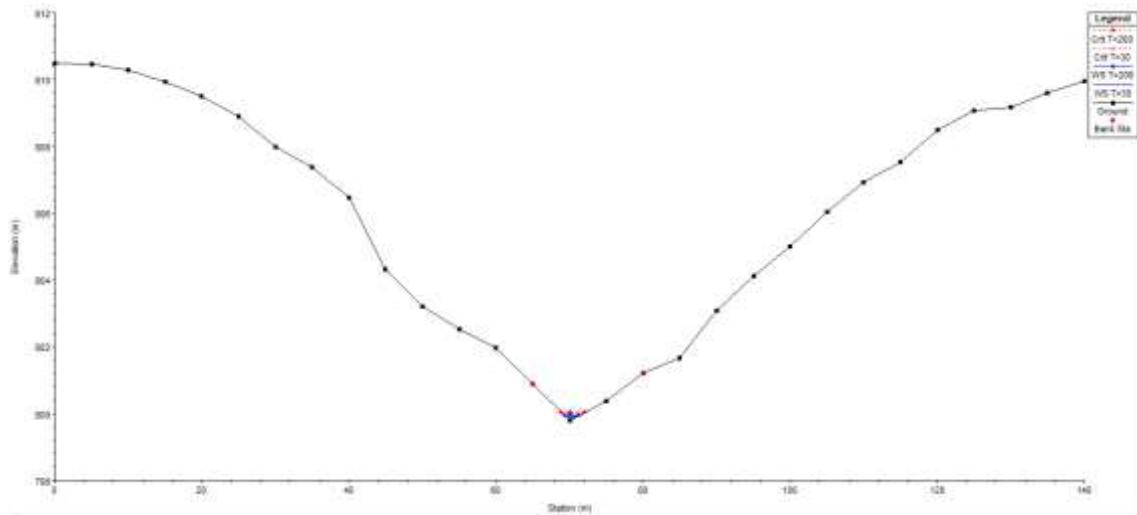
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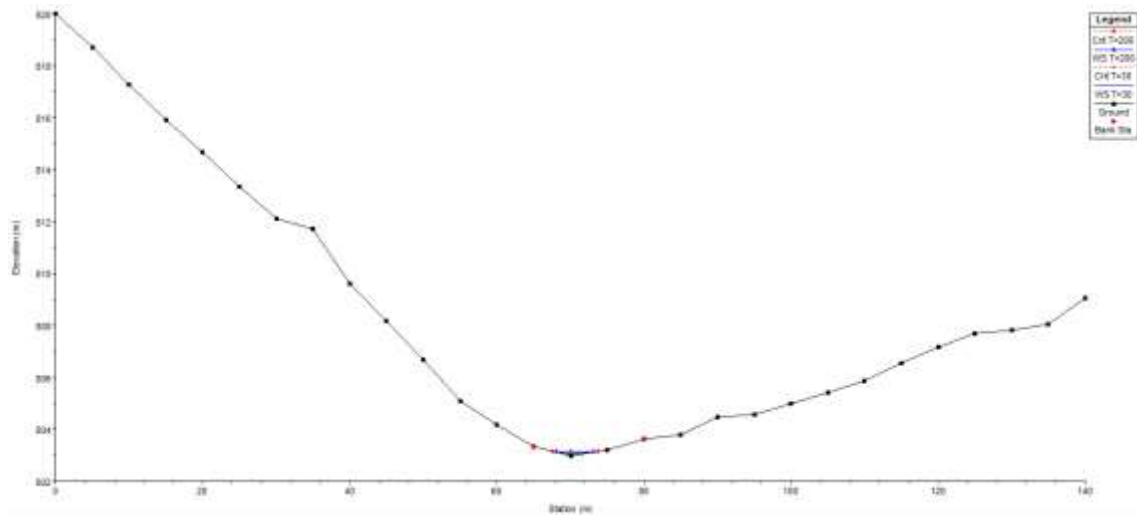
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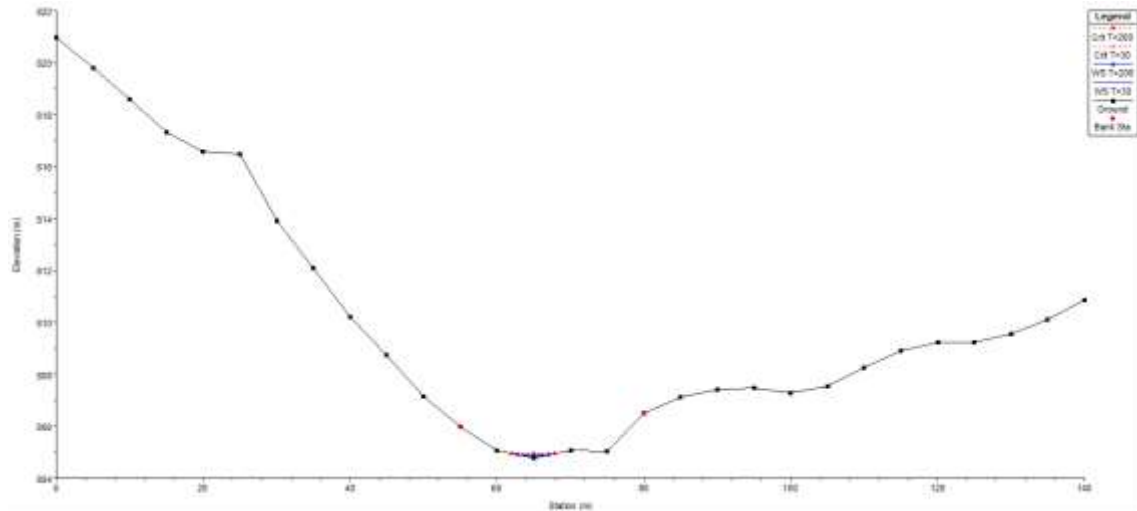
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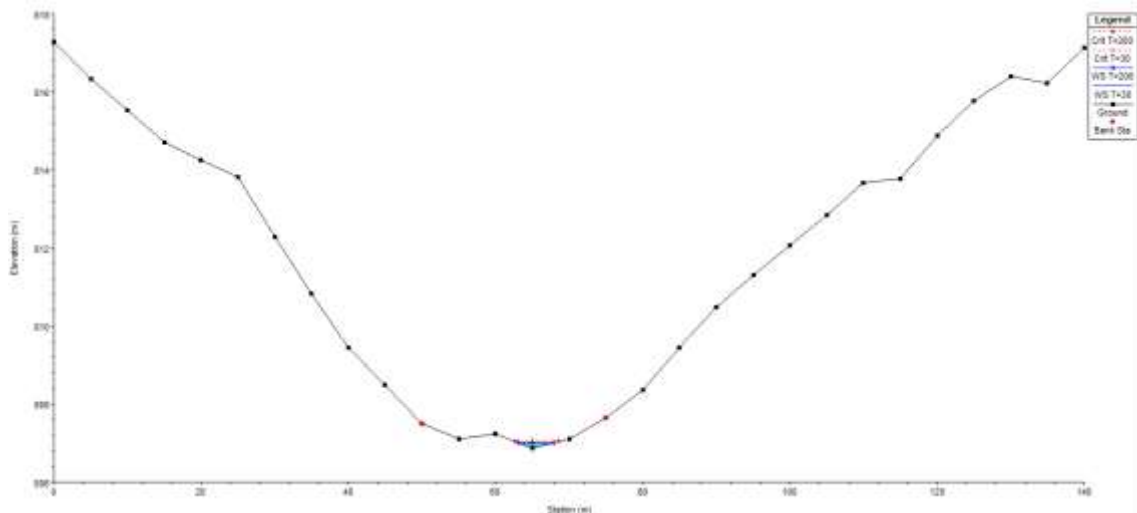
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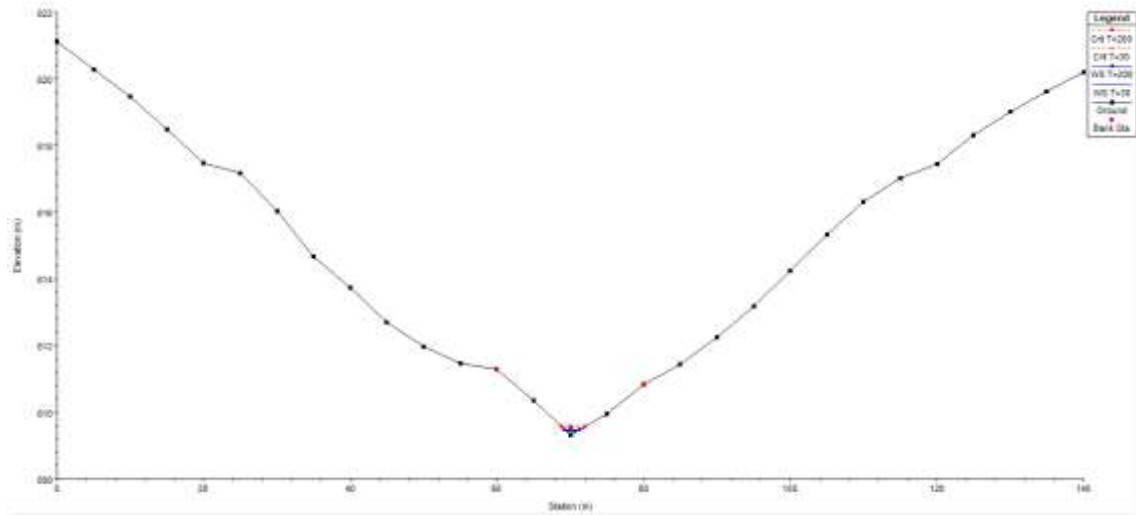
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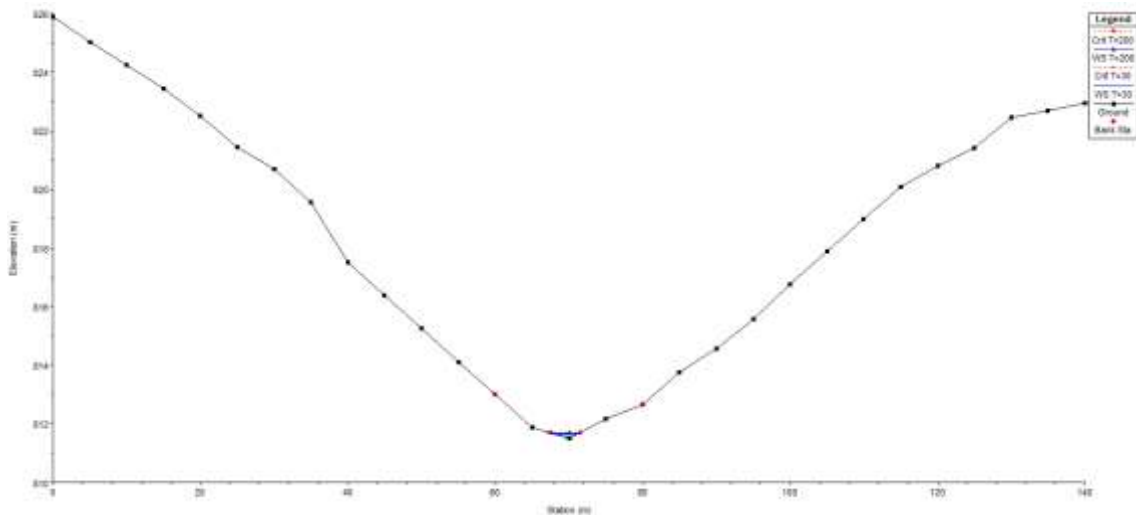
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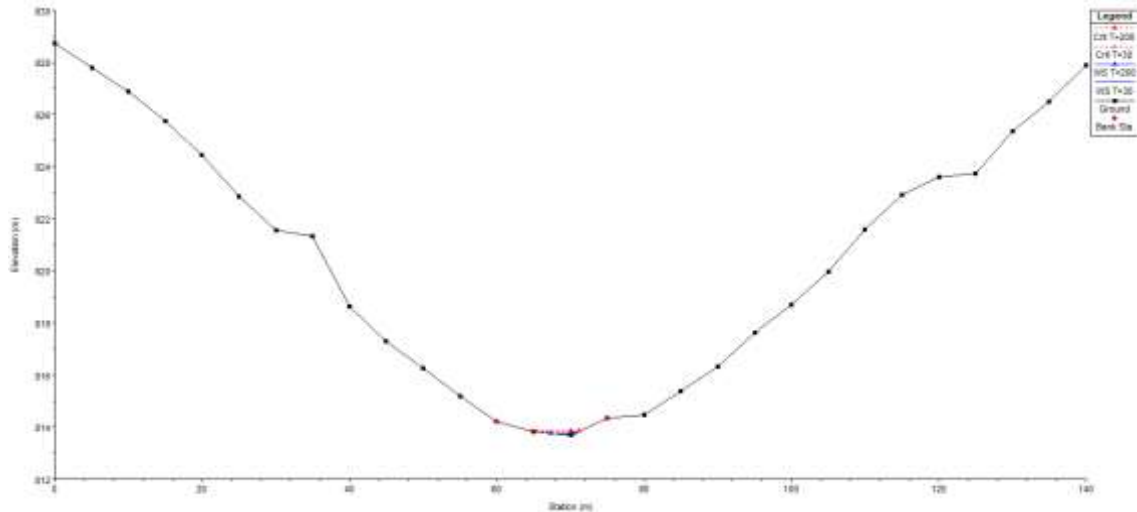
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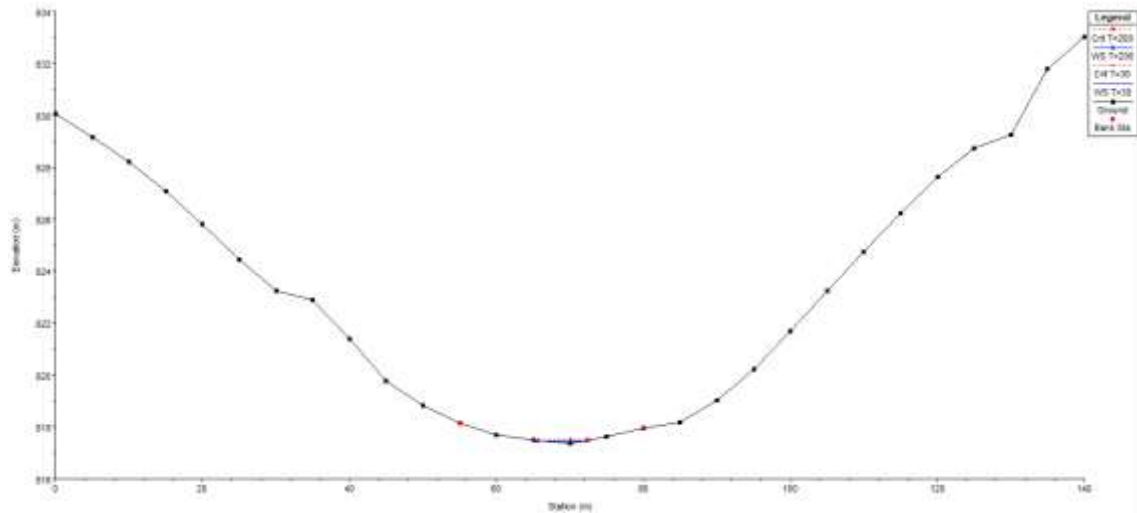
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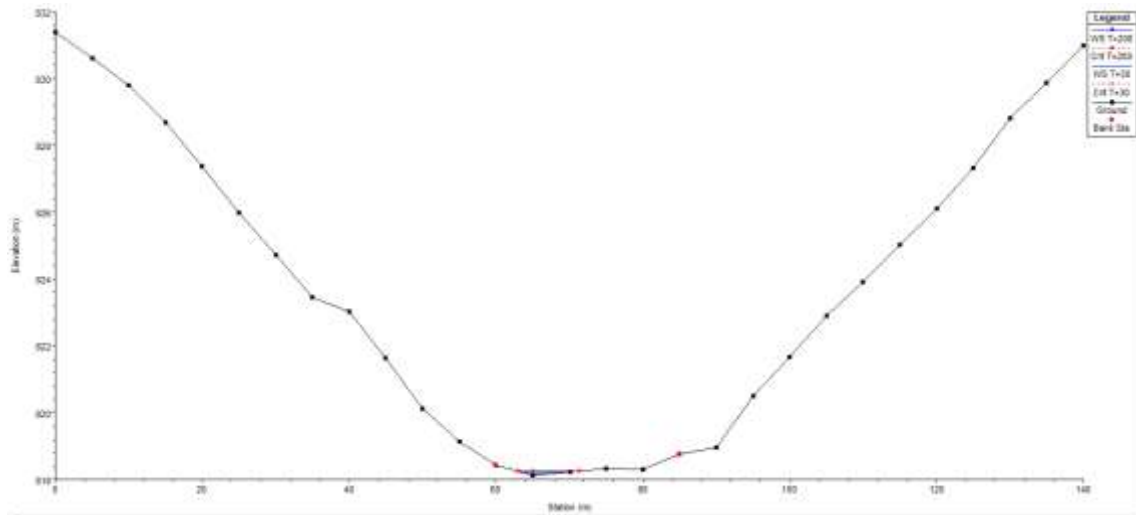
Sezione 33



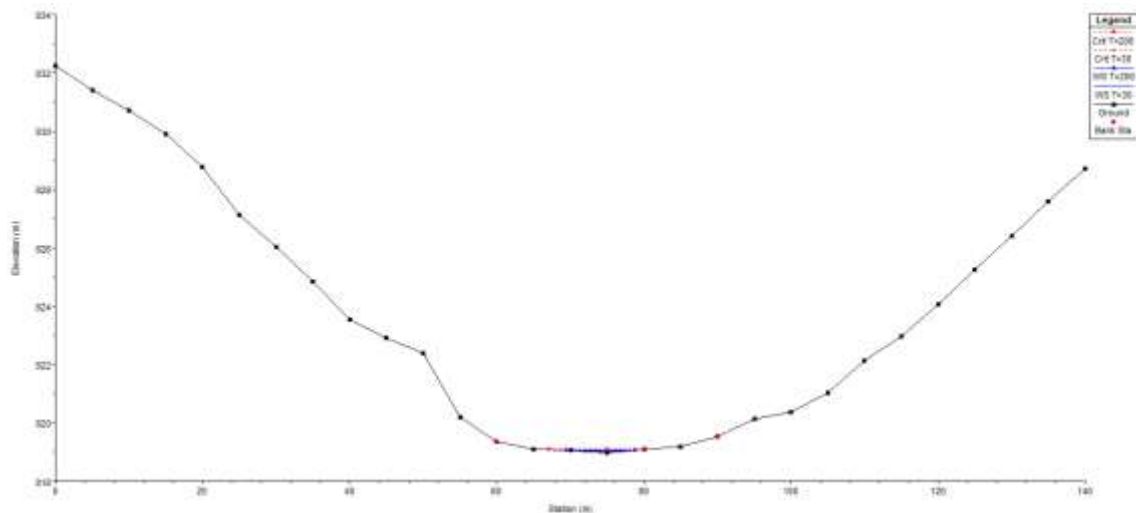
Sezione 34



Sezione 35



Sezione 36



Sezione 37

