



REGIONE BASILICATA  
 PROVINCIA DI POTENZA  
 COMUNE DI OPPIDO LUCANO



PROGETTO DI UN IMPIANTO SOLARE AGRIVOLTAICO DENOMINATO "AGRIVOLTAICO PIANI GORGO\_ PEZZA CHIARELLA" DA REALIZZARSI NEL COMUNE DI OPPIDO LUCANO (PZ) NELLE CONTRADE DI "PIANI GORGO" E DI "PEZZA CHIARELLA" E DELLE RELATIVE OPERE DI CONNESSIONE CON POTENZA PARI A 16.883,10 kWp (15.600,00 kW IN IMMISSIONE) INTEGRATO CON TECNOLOGIA STORAGE.

PROGETTO DEFINITIVO

RELAZIONE IDROLOGICA - IDRAULICA - Appendice B



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PD						OP1314_A3.2	04.08.2021	

REVISIONI

REV.	DATA	DESCRIZIONE	ESEGUITO	VERIFICATO	APPROVATO



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IL PROGETTISTA

	<p><b>PROGETTO AGRIVOLTAICO_ OPPIDO LUCANO</b></p> <p><b>“PIANI GORGO_ PEZZA CHIARELLA”</b></p> <p><b>STUDIO DI COMPATIBILITA' IDROLOGICA ED IDRAULICA</b></p> <p><b>RELAZIONE IDROLOGICA ED IDRAULICA</b></p> <p><b>APPENDICE B</b></p>	<p><i>DATA:</i> <i>APRILE 2021</i> <i>Pag. 1 di 34</i></p>
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## 1 Stato di fatto

### 1.1 Dati tabellari


River	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)	
RIVER 2	474	PF 1	1.1	261.43	261.77	261.55	261.77	0.000137	0.15	7.42	26.86	0.09
RIVER 2	474	PF 2	2.3	261.43	262.09	261.58	262.09	0.000046	0.14	16.12	26.86	0.06
RIVER 2	435	PF 1	1.1	261.34	261.77		261.77	0.000104	0.15	7.22	20.13	0.08
RIVER 2	435	PF 2	2.3	261.34	262.09		262.09	0.000055	0.17	13.75	20.13	0.06
RIVER 2	401	PF 1	1.1	261.23	261.77		261.77	0.00003	0.1	10.89	21.89	0.05
RIVER 2	401	PF 2	2.3	261.23	262.09		262.09	0.000025	0.13	18	21.89	0.05
RIVER 2	371	PF 1	1.1	259.92	261.77	260.29	261.77	0.000007	0.08	14.32	14.04	0.02
RIVER 2	371	PF 2	2.3	259.92	262.09	260.44	262.09	0.000013	0.12	18.88	14.04	0.03
RIVER 2	350		Culvert									
RIVER 2	318	PF 1	1.1	261.03	261.21	261.21	261.24	0.025707	0.73	1.41	22.51	0.97
RIVER 2	318	PF 2	2.3	261.03	261.25	261.25	261.3	0.021201	0.95	2.41	23.85	0.96

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River	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
RIVER 2	275	PF 1	1.1	256.26	256.35	256.52	259.75	4.028731	8.17	0.13	2.73	11.74
RIVER 2	275	PF 2	2.3	256.26	256.39	256.63	260.01	2.631277	8.42	0.27	3.84	10.08
RIVER 2	234	PF 1	1.1	253.17	253.36	253.48	253.76	0.144135	2.79	0.39	3.25	2.56
RIVER 2	234	PF 2	2.3	253.17	253.43	253.6	254.1	0.155383	3.62	0.64	3.75	2.81
RIVER 2	183	PF 1	1.1	251.75	251.95	252.01	252.14	0.072915	1.92	0.57	5.03	1.82
RIVER 2	183	PF 2	2.3	251.75	252.02	252.12	252.31	0.078431	2.38	0.97	6.52	1.97
RIVER 2	128	PF 1	1.1	248.75	249.04	249.23	249.9	0.294588	4.11	0.27	1.83	3.43
RIVER 2	128	PF 2	2.3	248.75	249.16	249.39	250.17	0.224093	4.46	0.52	2.54	3.16
RIVER 2	74	PF 1	1.1	246.63	246.91	246.97	247.12	0.098299	2.04	0.54	5.13	2.01
RIVER 2	74	PF 2	2.3	246.63	246.96	247.06	247.3	0.123507	2.56	0.9	7.19	2.31
RIVER 2	19	PF 1	1.1	241.83	242.12	242.37	243.69	0.570241	5.53	0.2	1.35	4.6
RIVER 2	19	PF 2	2.3	241.83	242.25	242.55	243.86	0.36499	5.61	0.41	1.95	3.91
River 1	519	PF 1	1.2	262.58	263.29	262.73	263.29	0.000008	0.05	23.75	51.3	0.02
River 1	519	PF 2	2.42	262.58	263.65	262.77	263.65	0.000005	0.06	42.54	51.3	0.02

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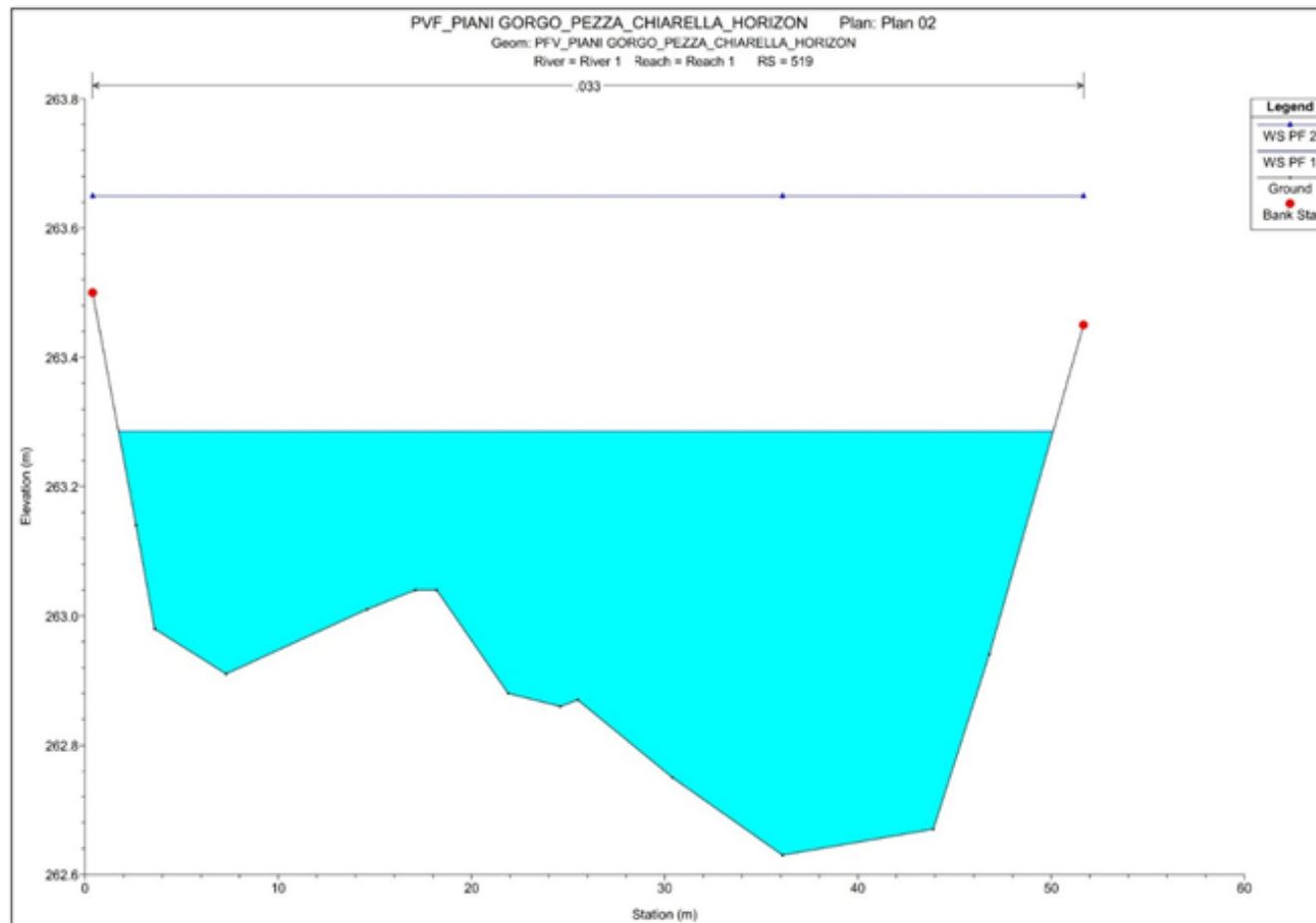
River	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
River 1	470	PF 1	1.2	262.58	263.29		263.29	0.000009	0.06	21.1	40.54	0.03
River 1	470	PF 2	2.42	262.58	263.65		263.65	0.000006	0.07	35.94	40.54	0.02
River 1	438	PF 1	1.2	262.39	263.29	262.55	263.29	0.000007	0.06	20.28	29.77	0.02
River 1	438	PF 2	2.42	262.39	263.65	262.61	263.65	0.000007	0.08	31.18	29.77	0.02
River 1	400		Culvert									
River 1	362	PF 1	1.2	260.98	261.35	261.35	261.45	0.020857	1.42	0.85	4.22	1.01
River 1	362	PF 2	2.42	260.98	261.48	261.48	261.61	0.019181	1.64	1.47	5.51	1.01
River 1	312	PF 1	1.2	259.08	259.22	259.32	260.39	0.963063	4.78	0.25	3.88	6.01
River 1	312	PF 2	2.42	259.08	259.25	259.38	260.57	1.398459	5.08	0.48	8.88	7
River 1	234	PF 1	1.2	252.99	253.2	253.3	253.55	0.129129	2.62	0.46	3.82	2.42
River 1	234	PF 2	2.42	252.99	253.28	253.43	253.8	0.113086	3.21	0.75	4.17	2.41
River 1	166	PF 1	1.2	247.74	247.99	248.21	249.22	0.370086	4.91	0.24	1.67	4.1
River 1	166	PF 2	2.42	247.74	248.08	248.38	249.82	0.358946	5.85	0.41	2.12	4.23
River 1	74	PF 1	1.2	244.14	244.36	244.39	244.47	0.086884	1.48	0.81	11.98	1.82

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River	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
River 1	74	PF 2	2.42	244.14	244.39	244.45	244.59	0.099144	1.95	1.24	13.43	2.05
River 1	19	PF 1	1.2	241.99	242.07	242.14	242.32	0.201134	2.21	0.54	8.24	2.74
River 1	19	PF 2	2.42	241.99	242.11	242.21	242.47	0.159828	2.65	0.91	8.78	2.63

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## **2 Risultati grafici – section plot**

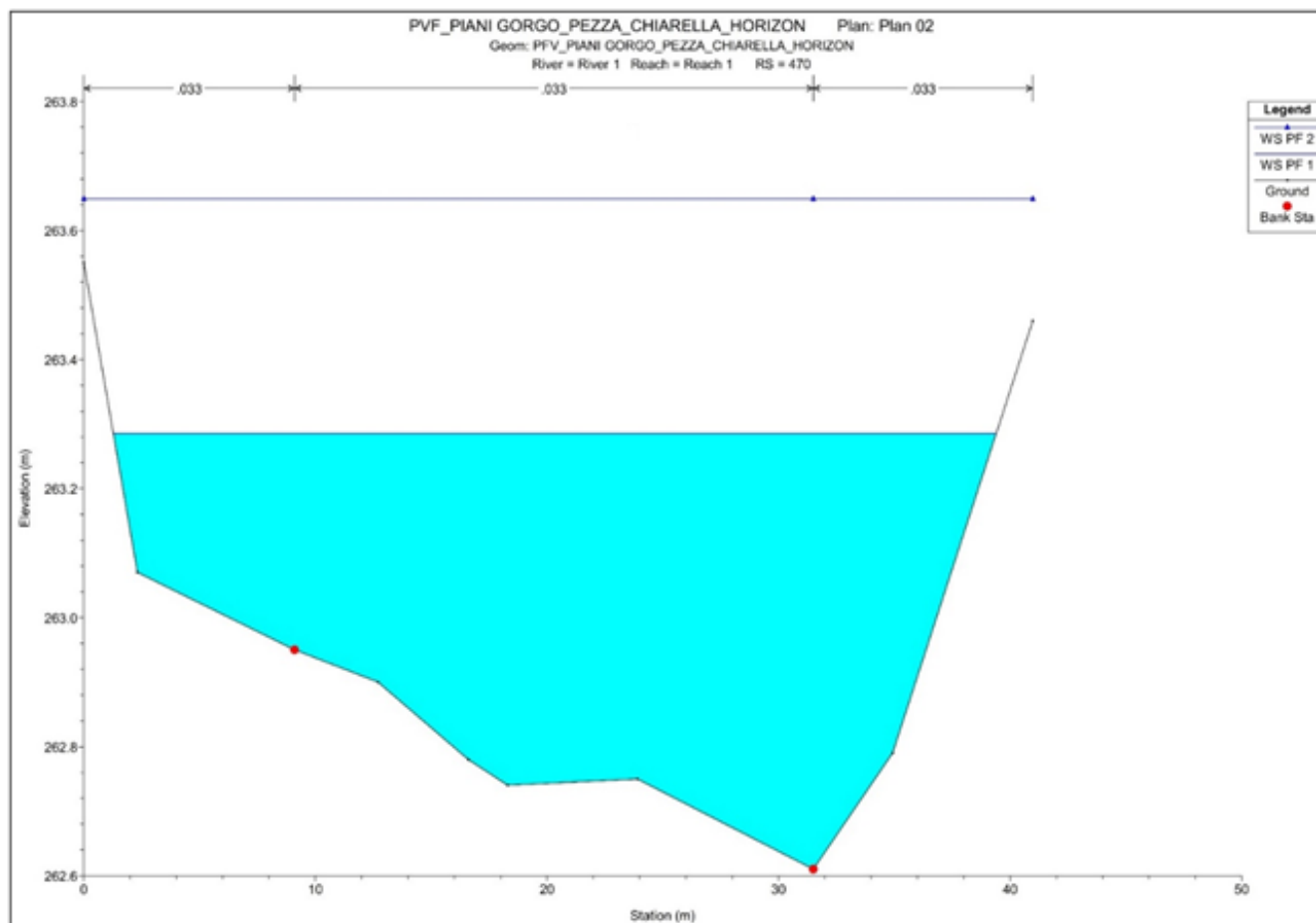


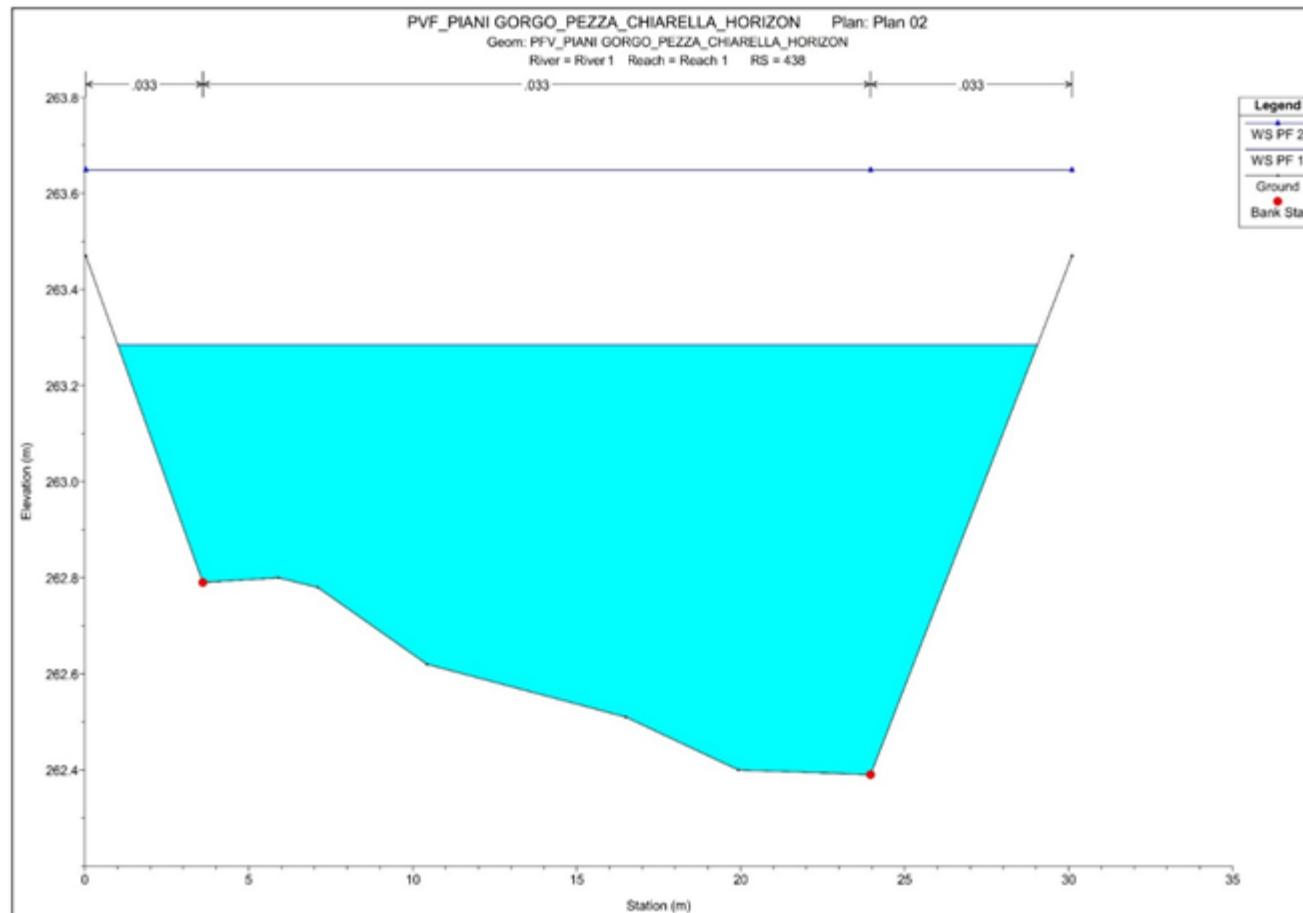


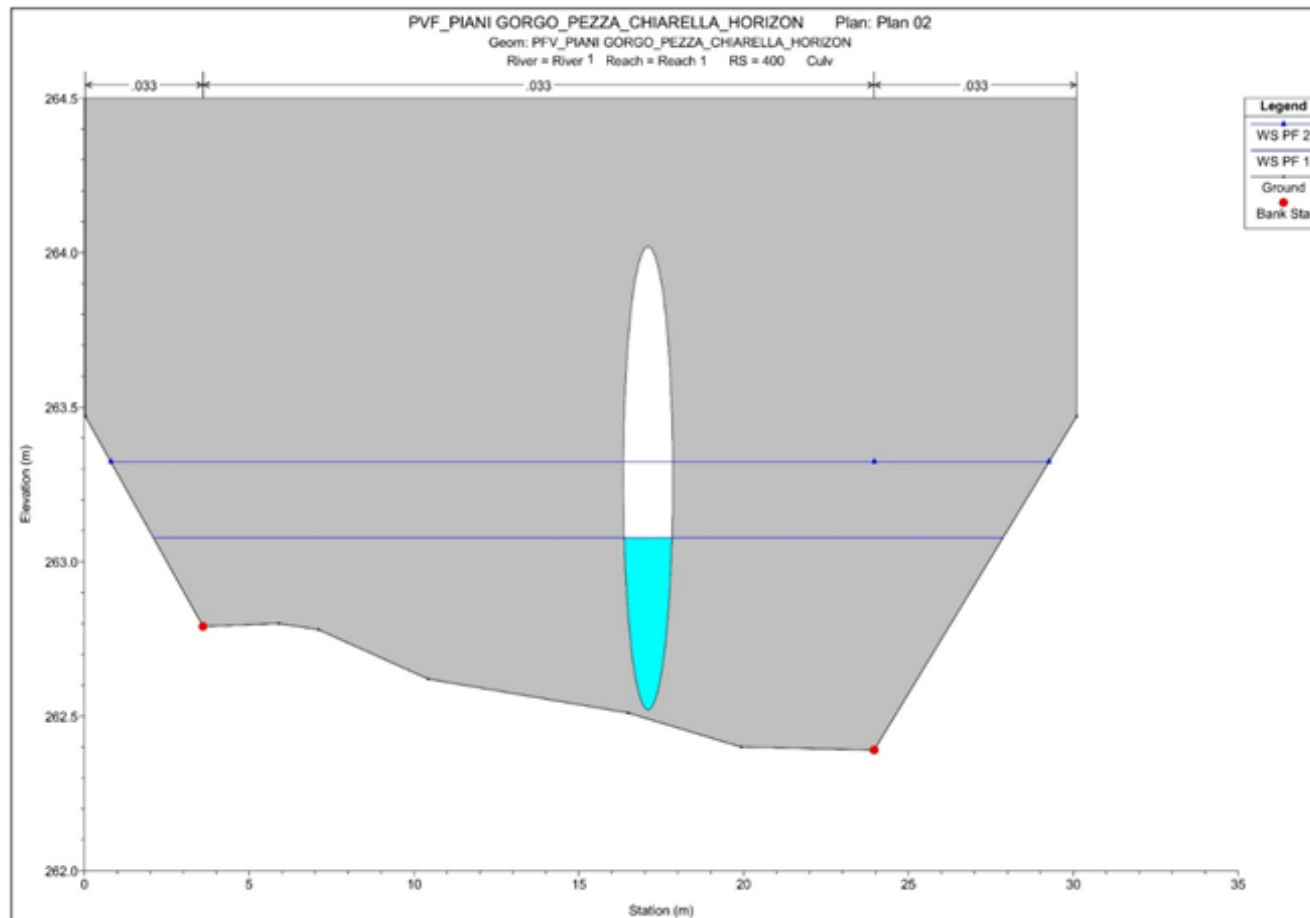


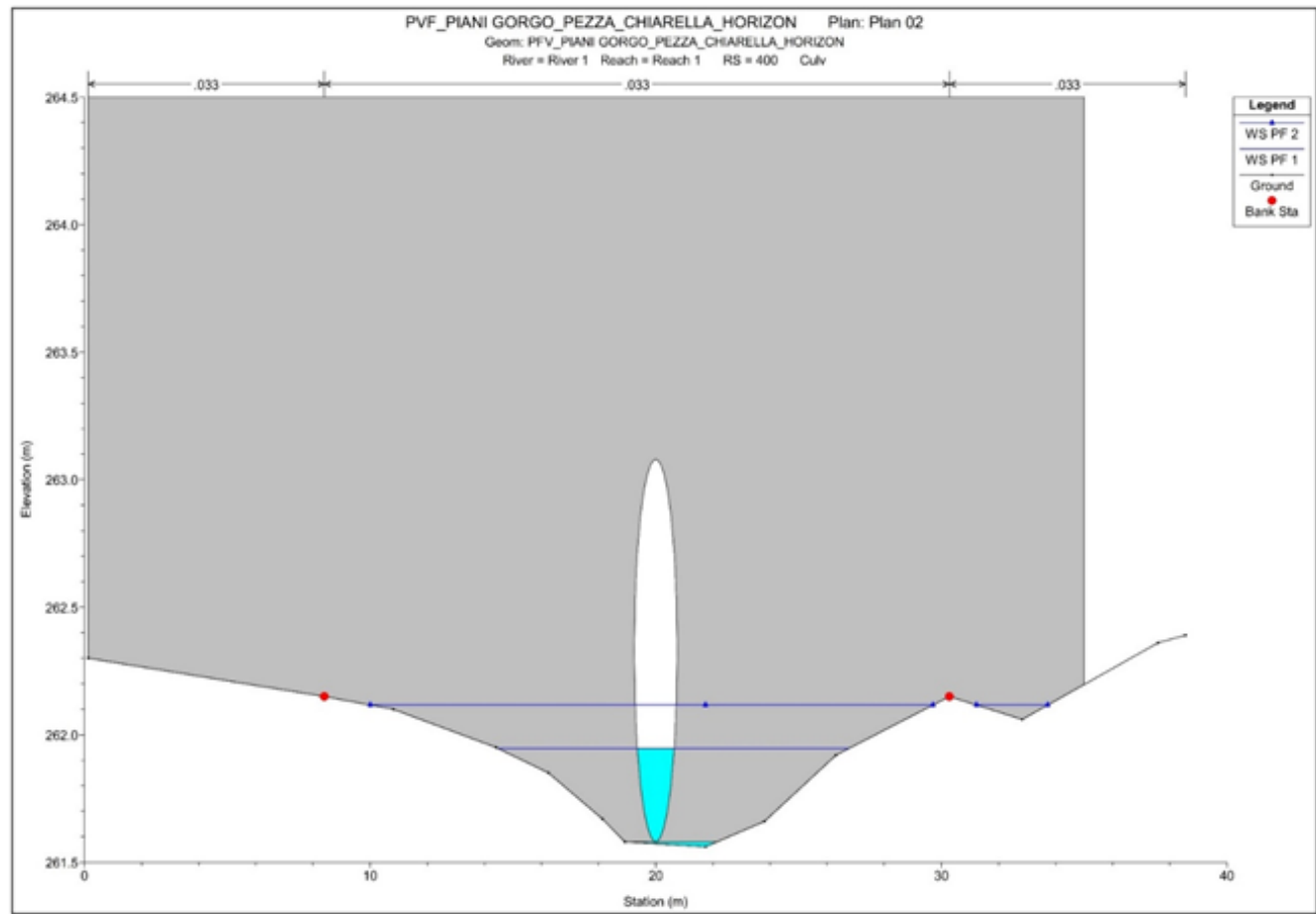
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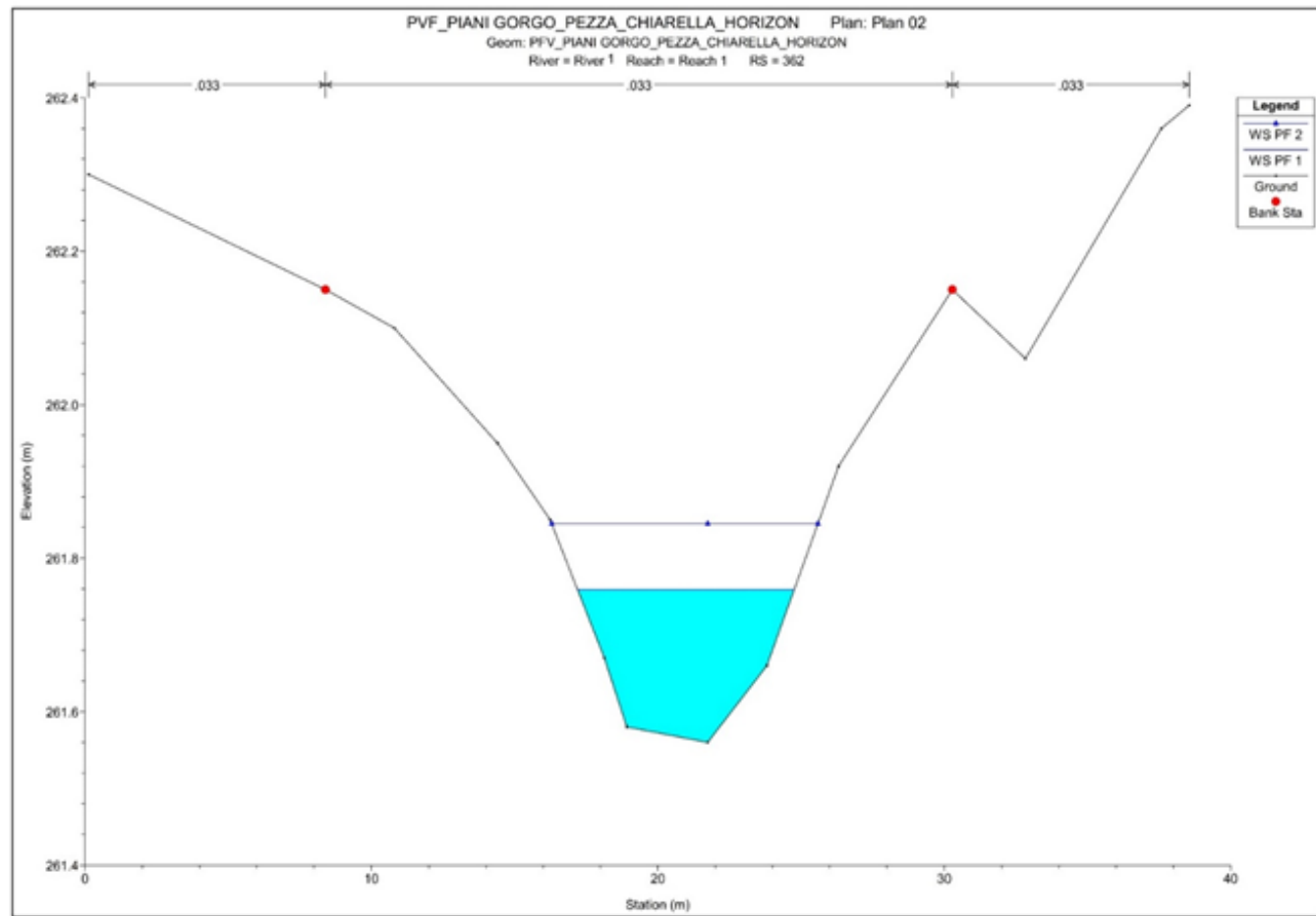
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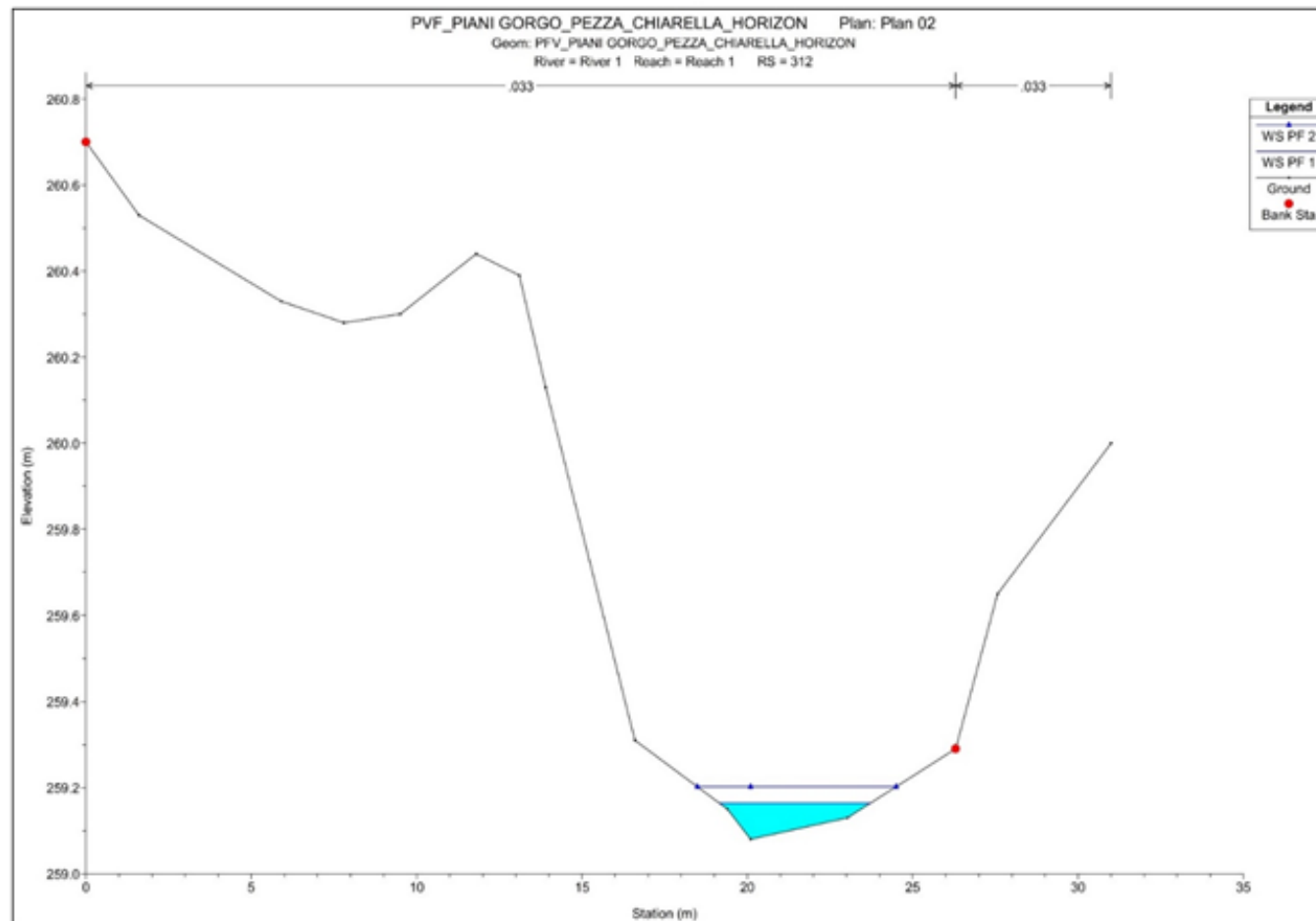





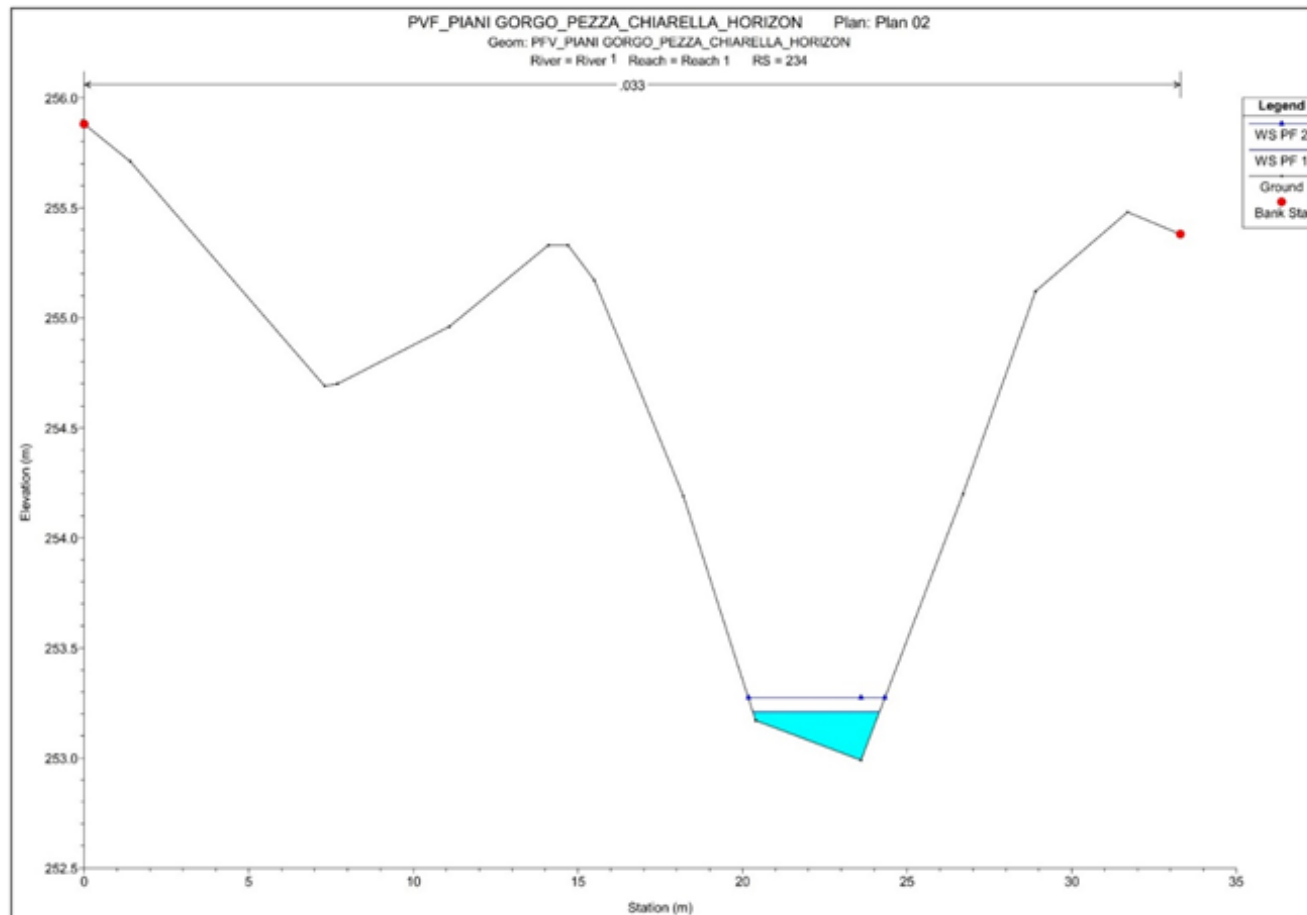


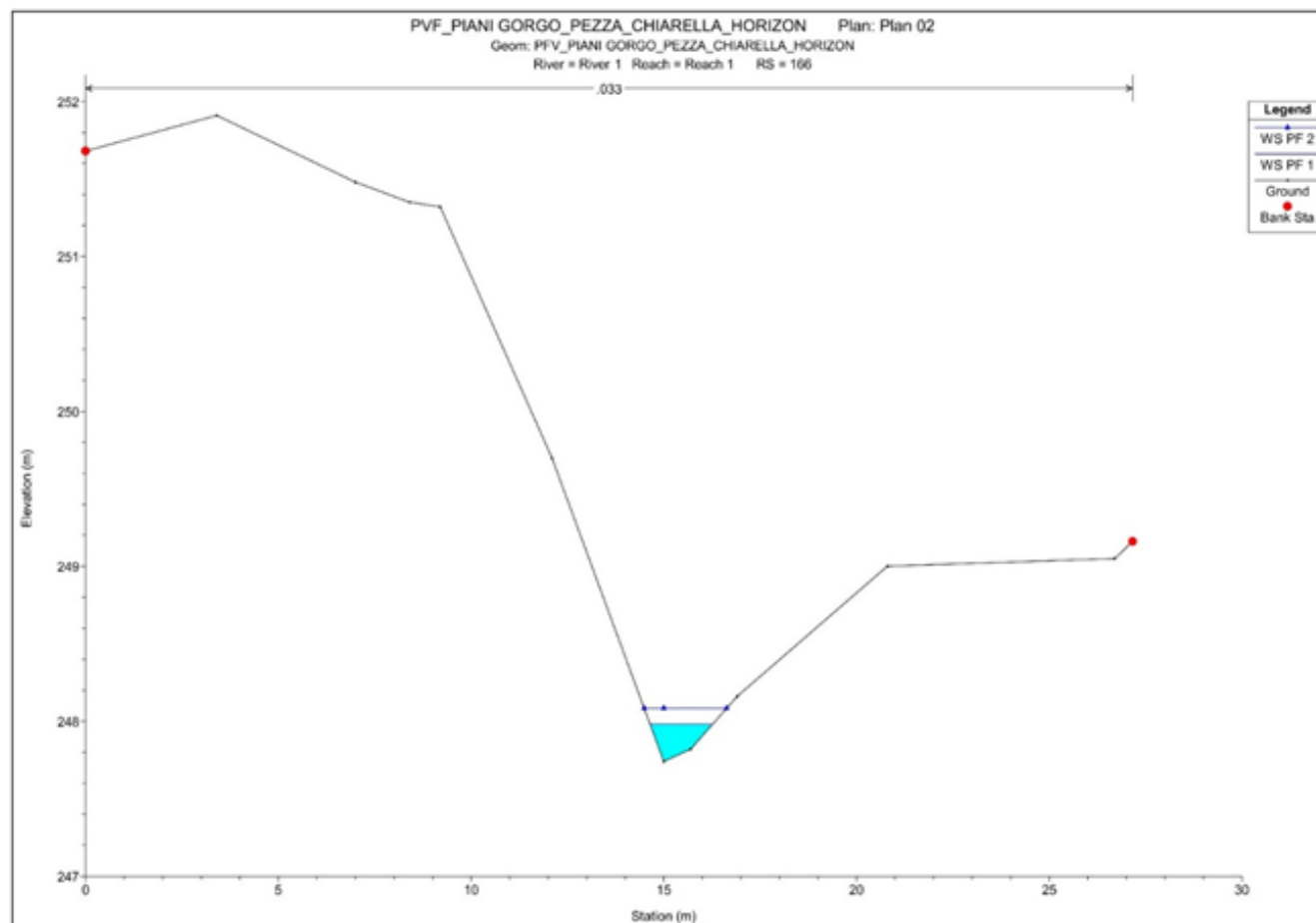




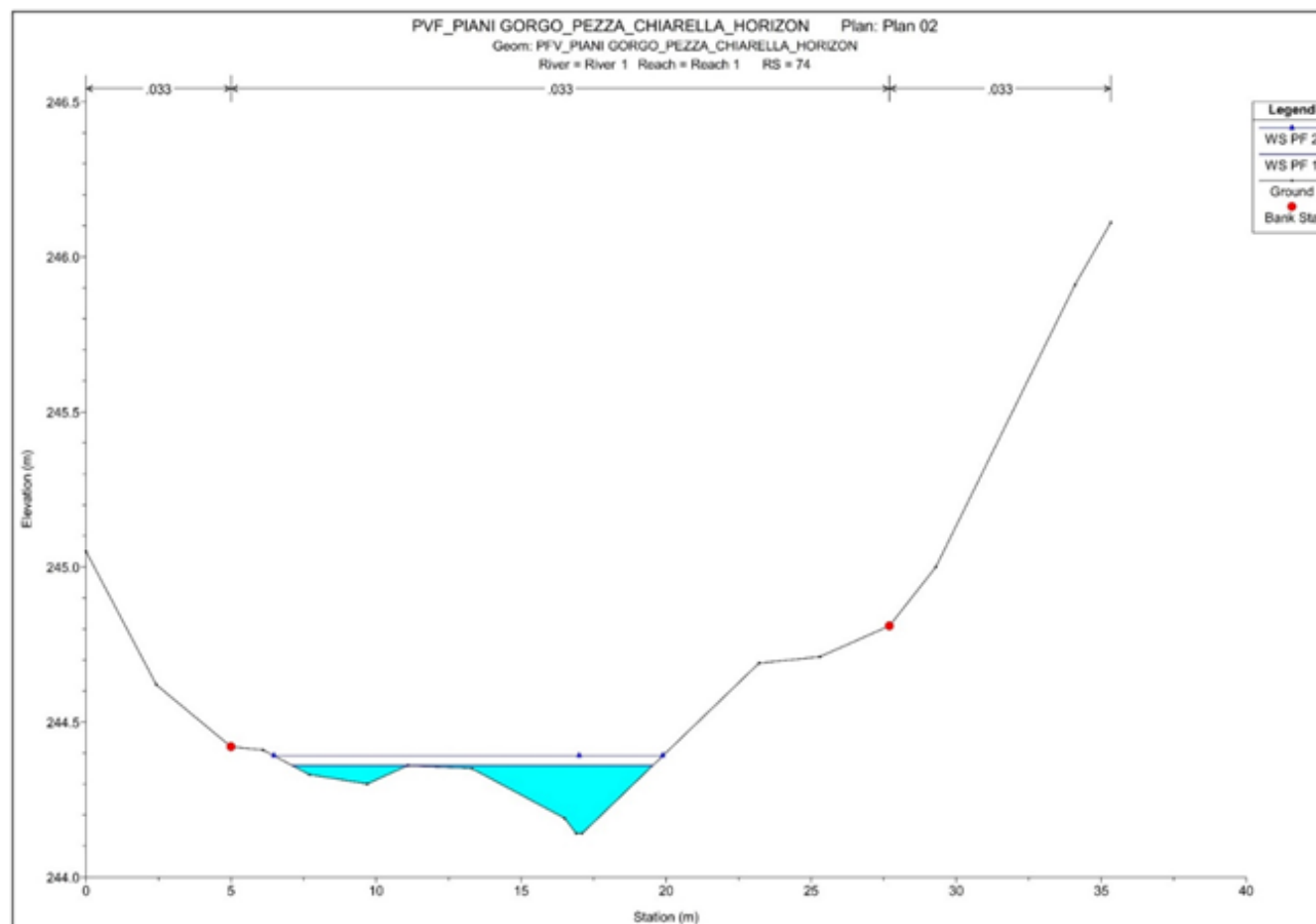


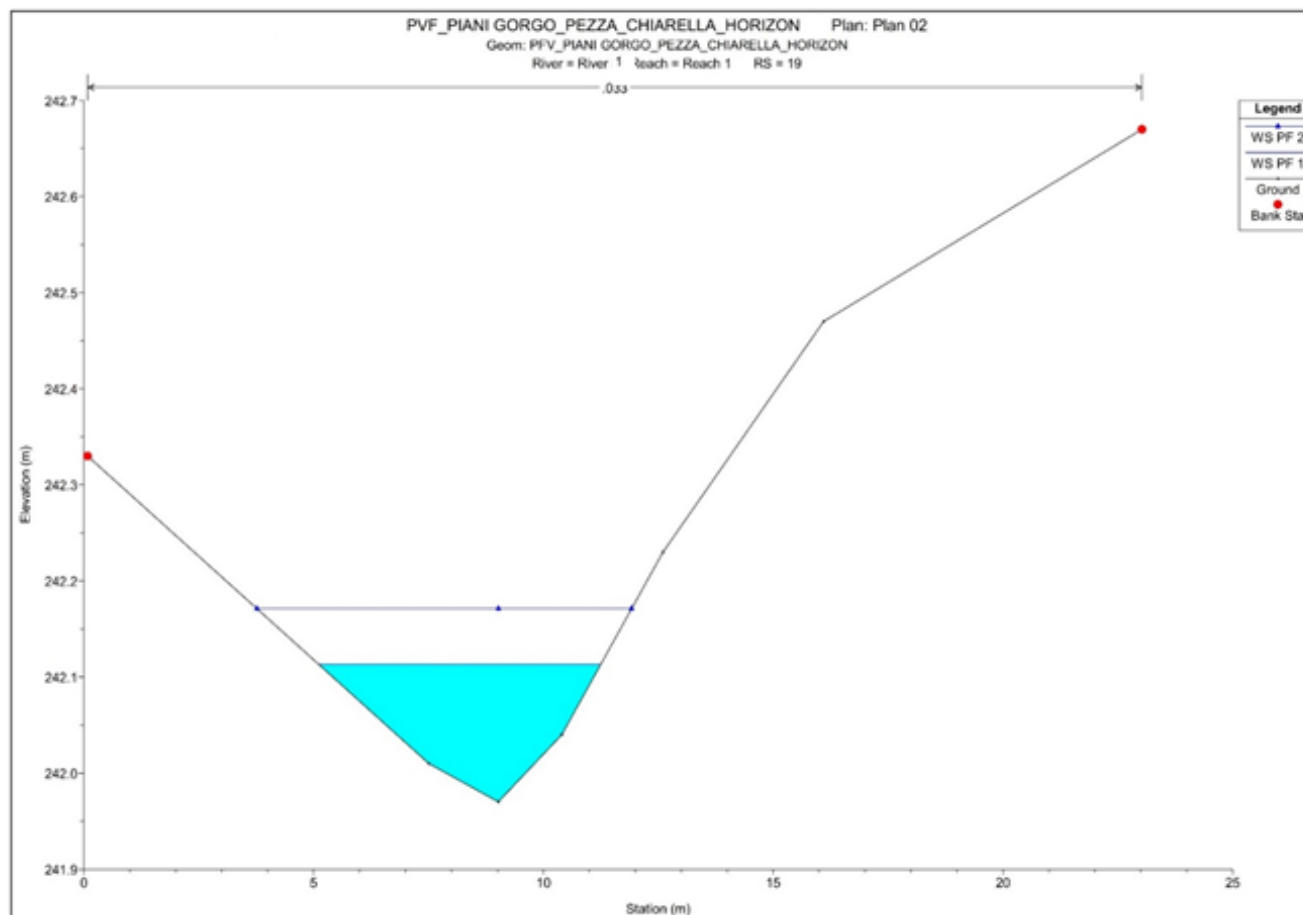
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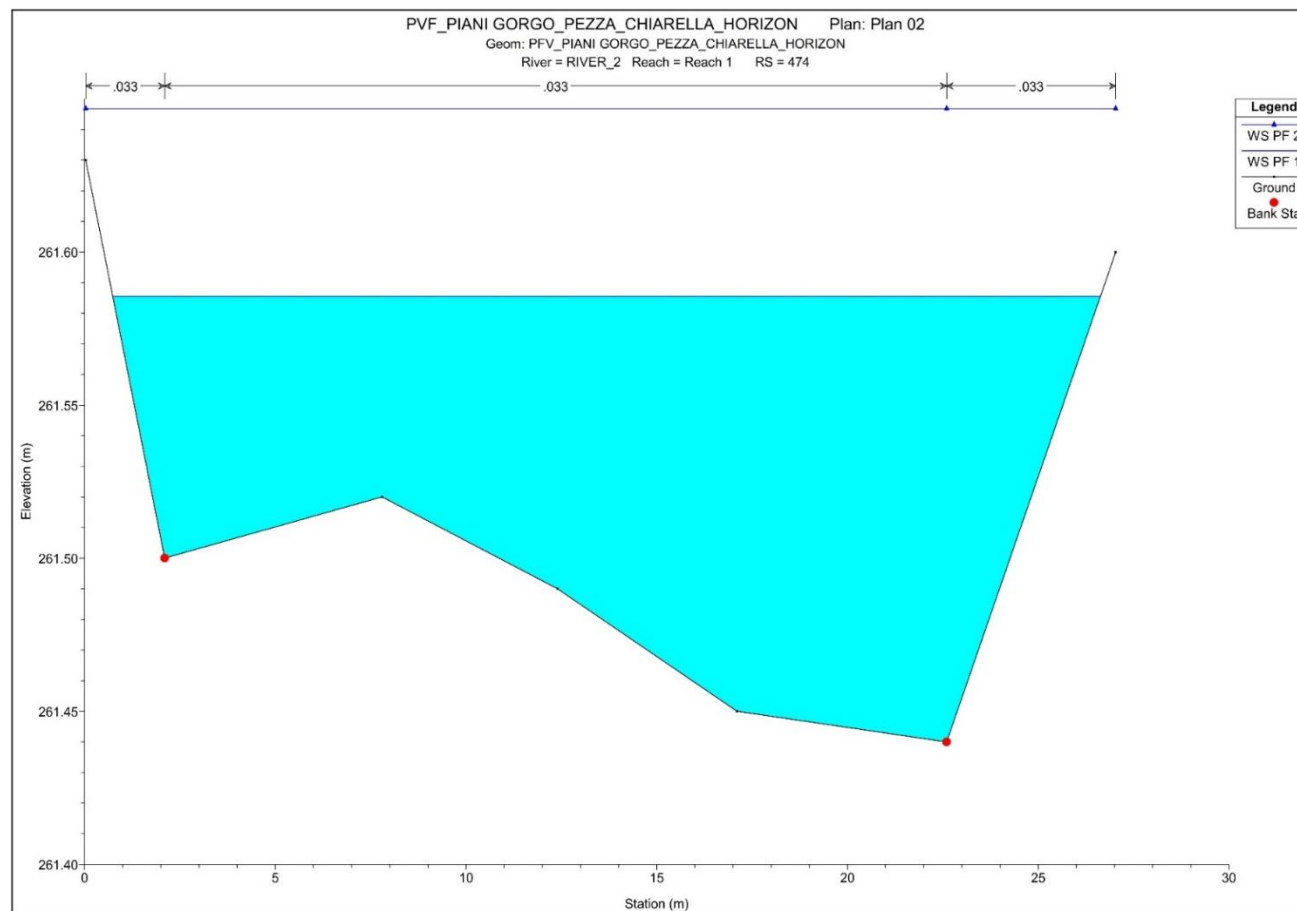


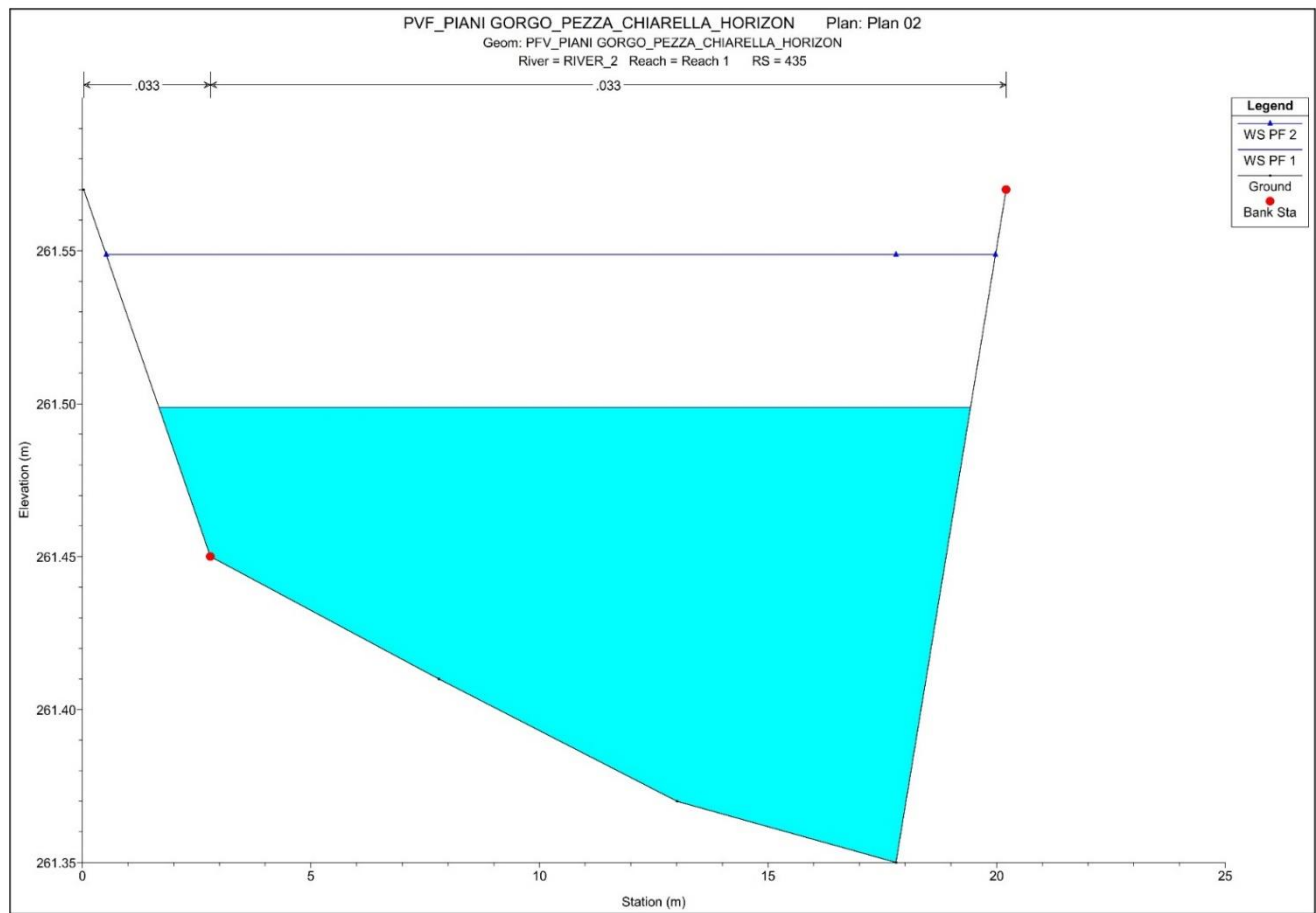


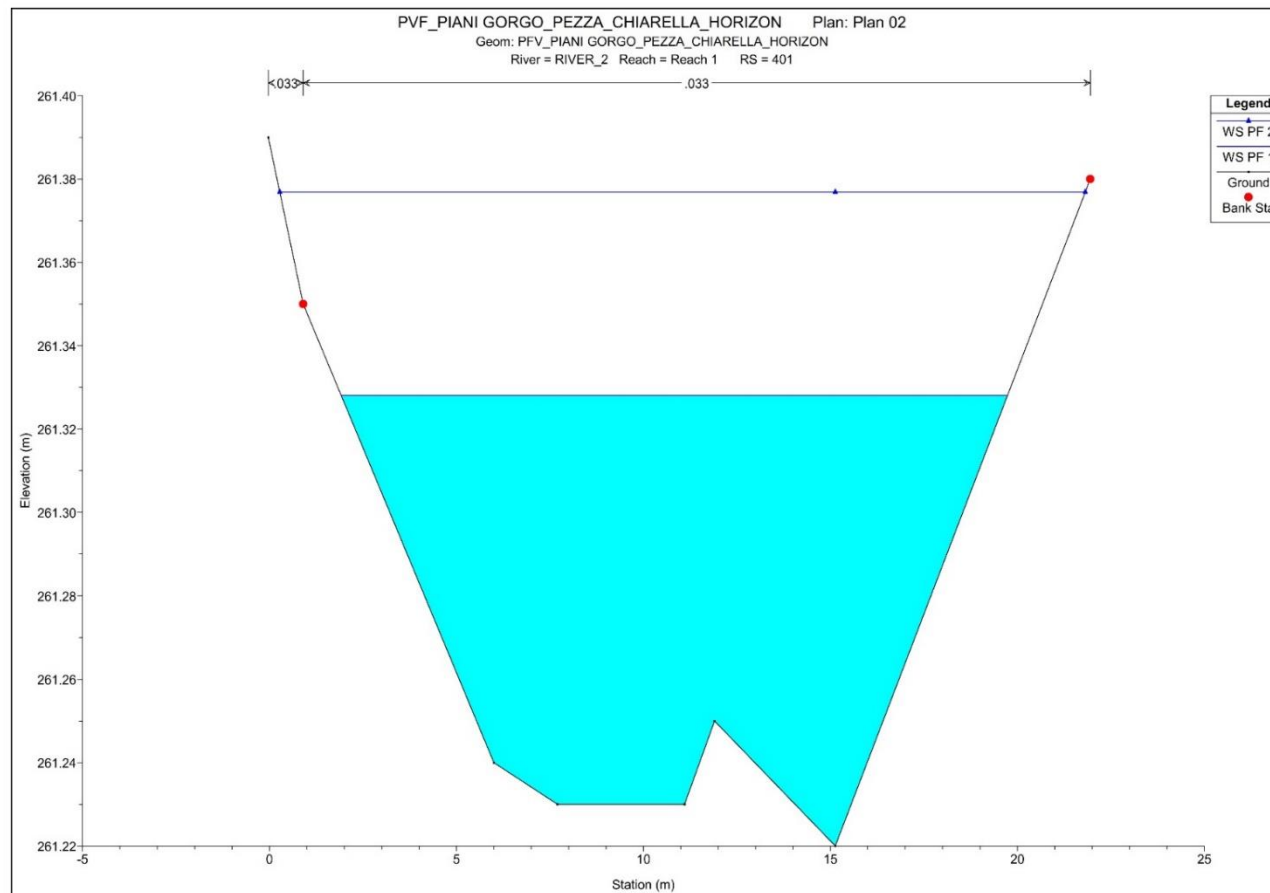


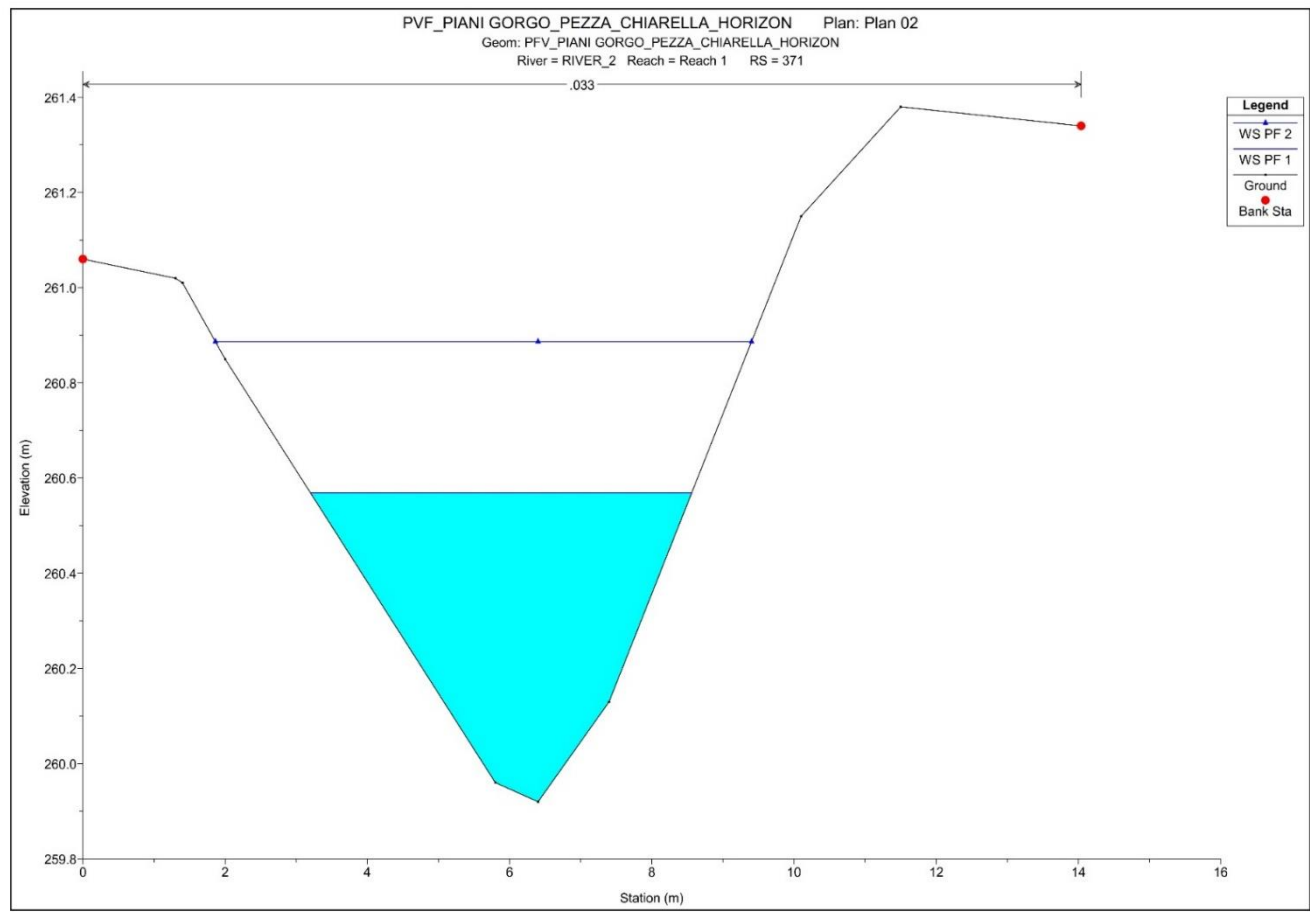


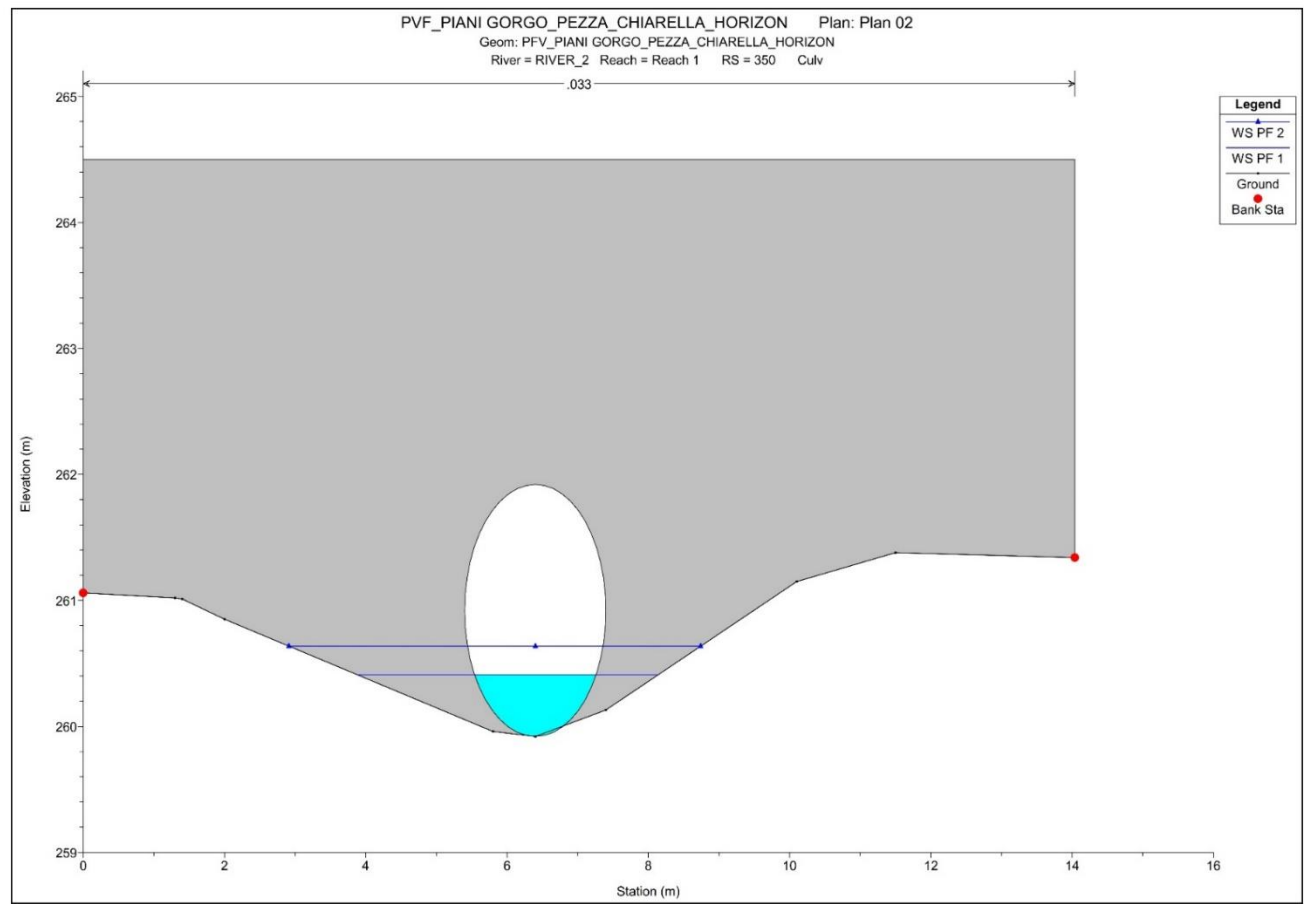


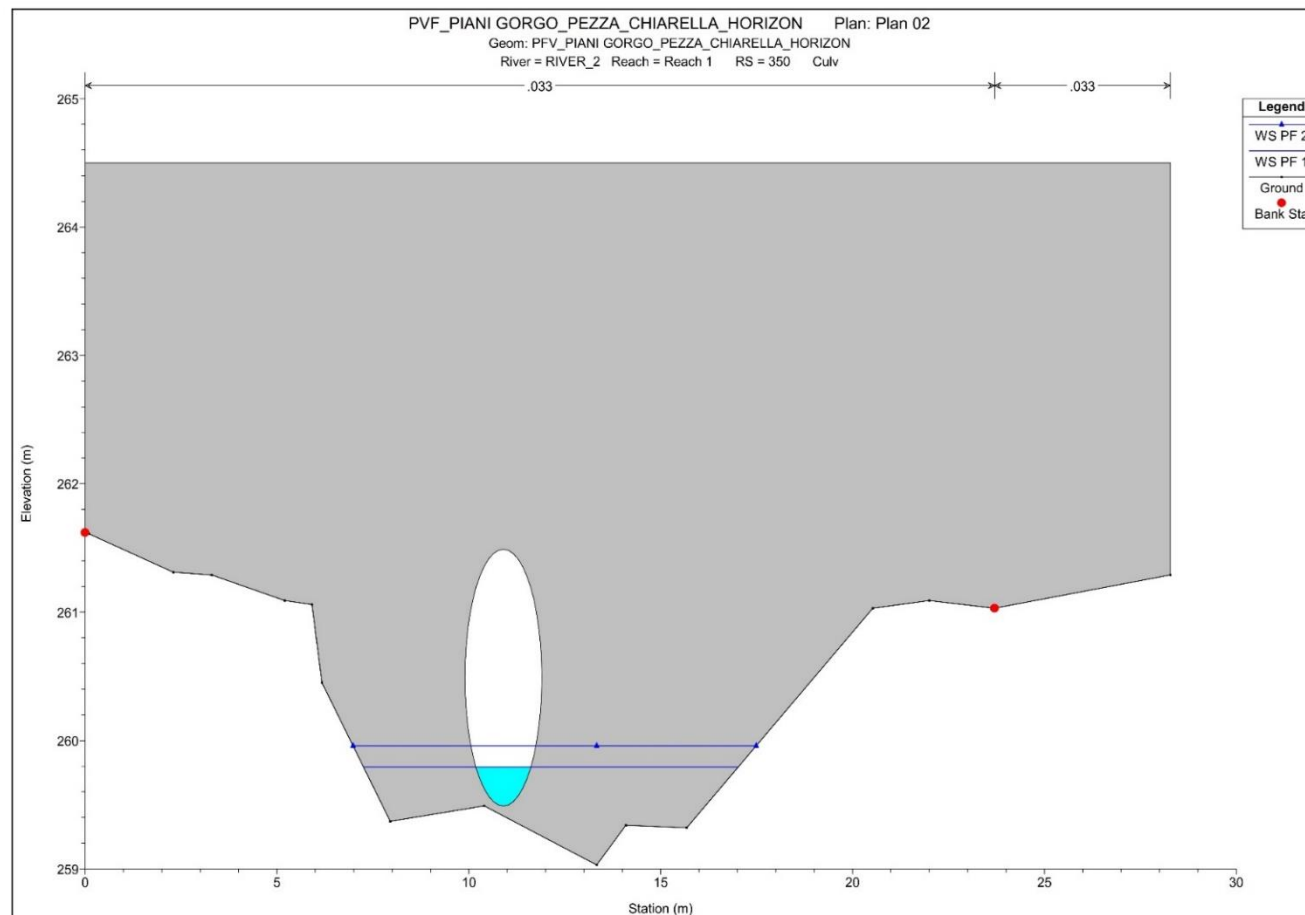




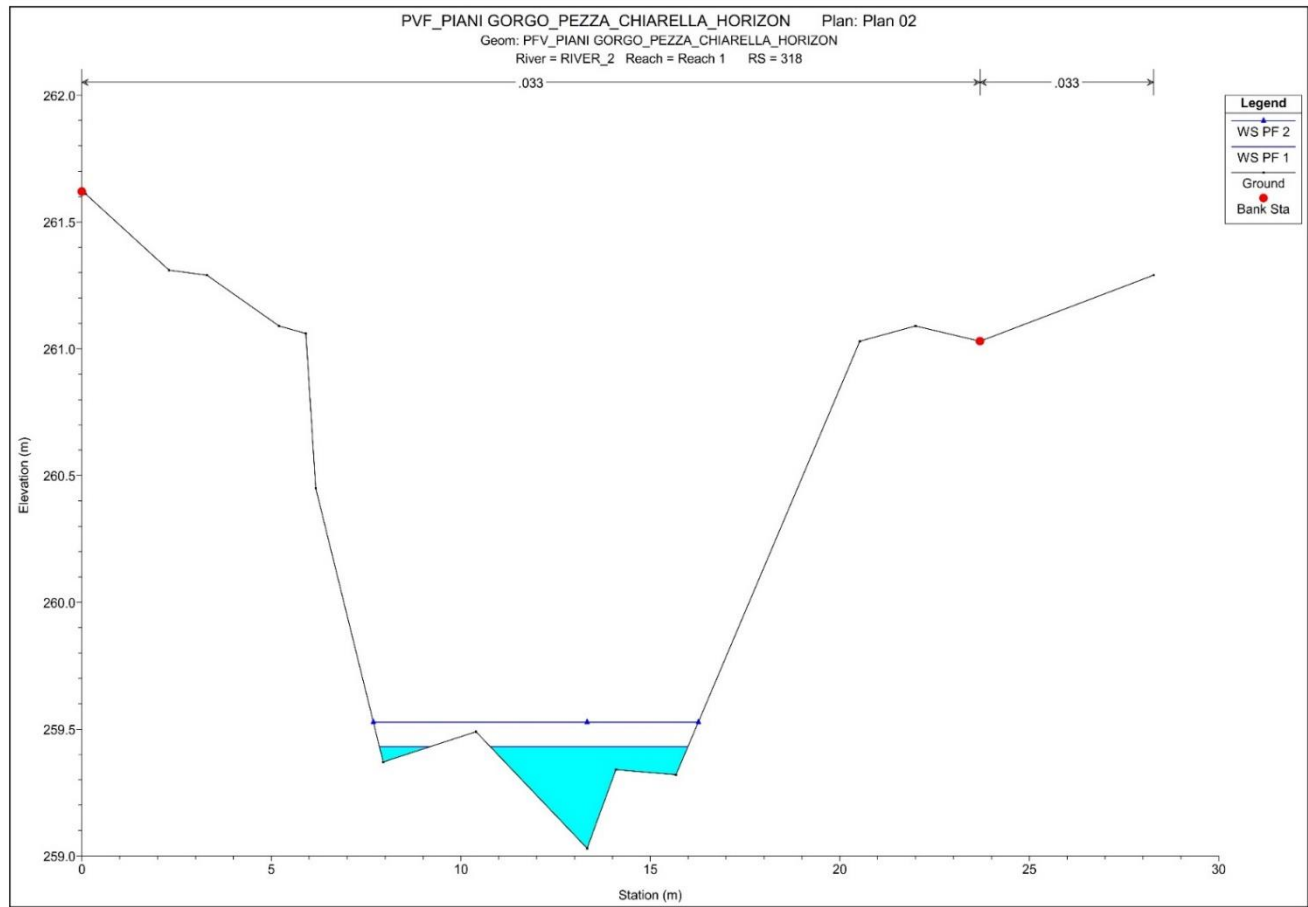


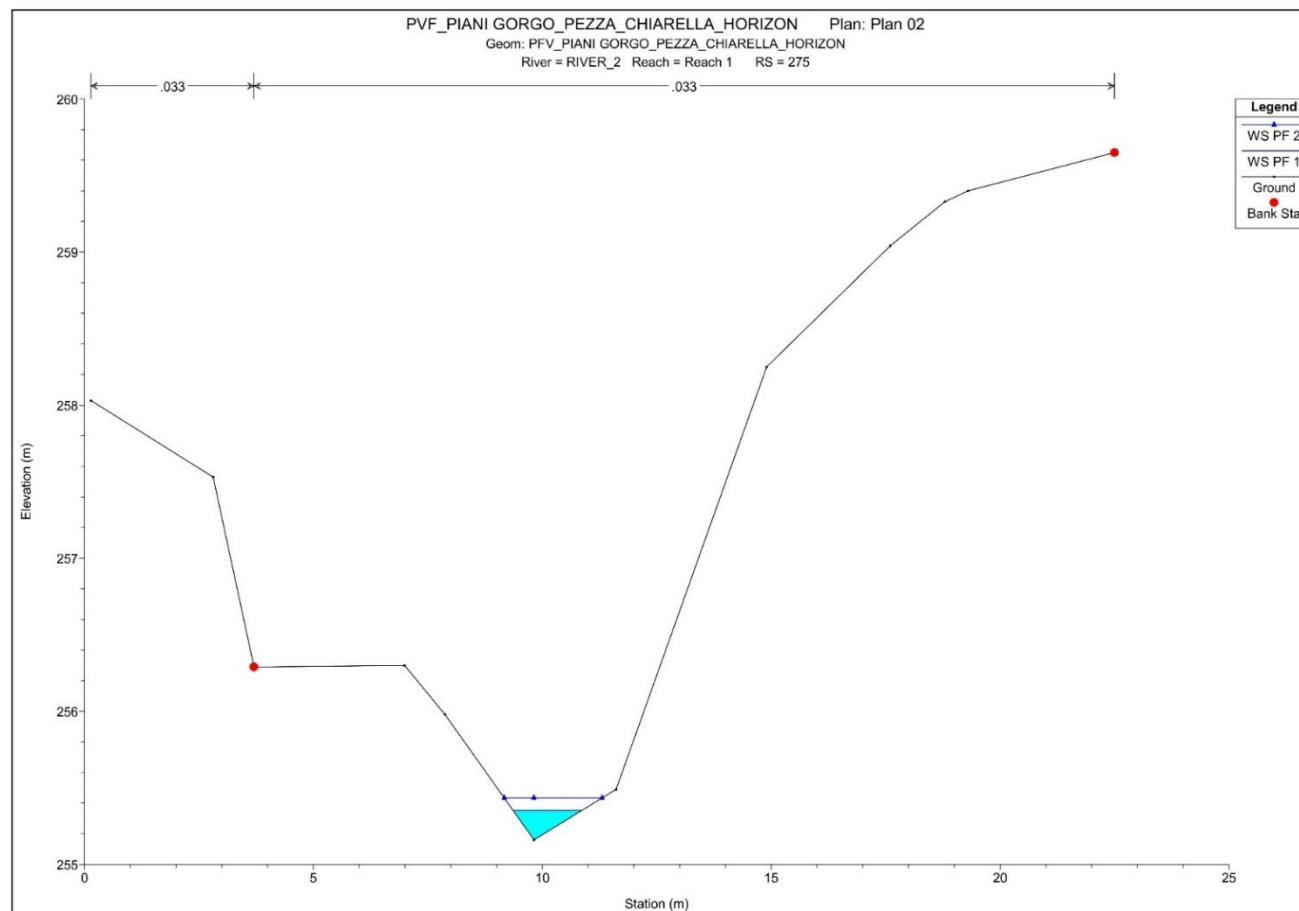


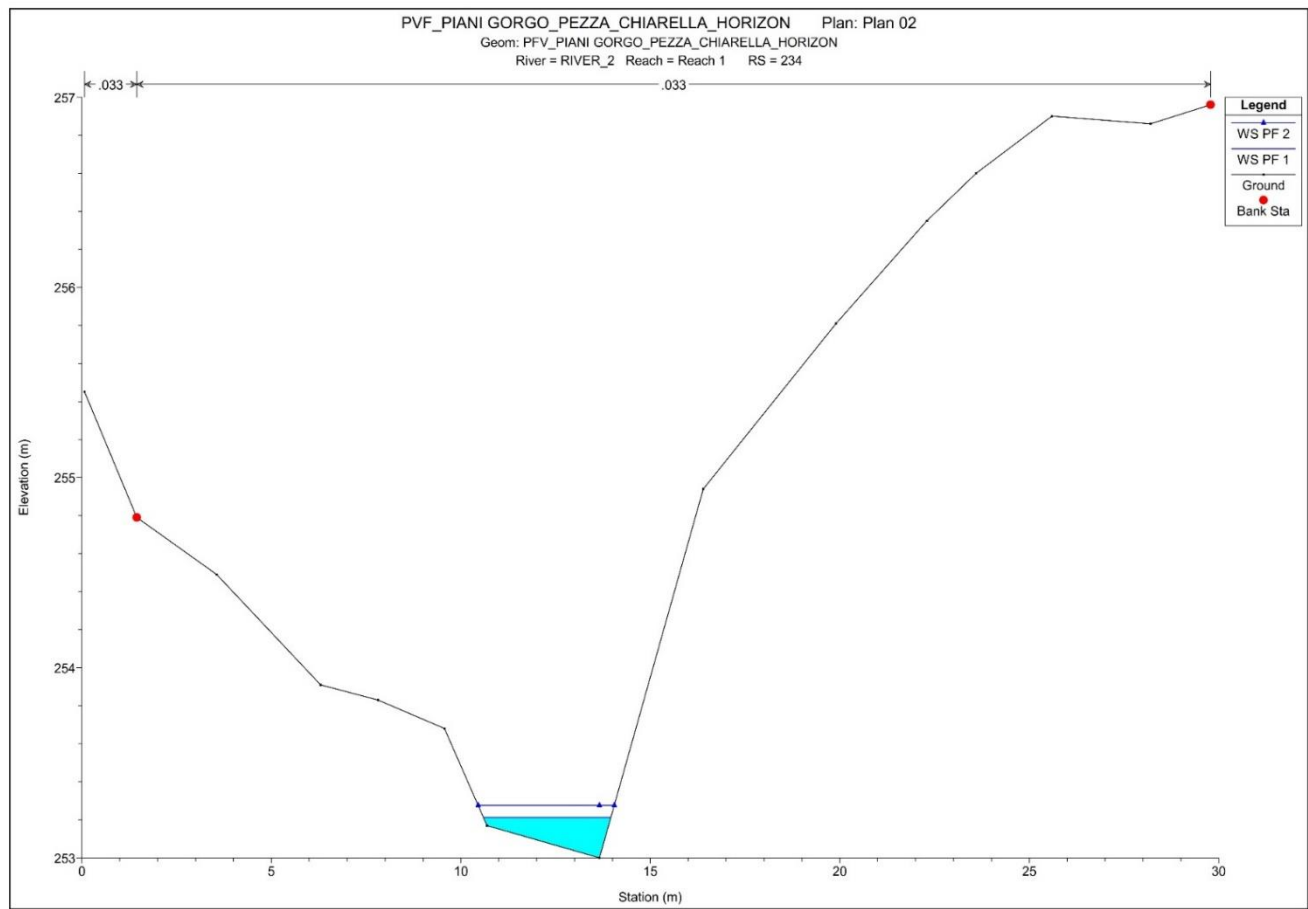


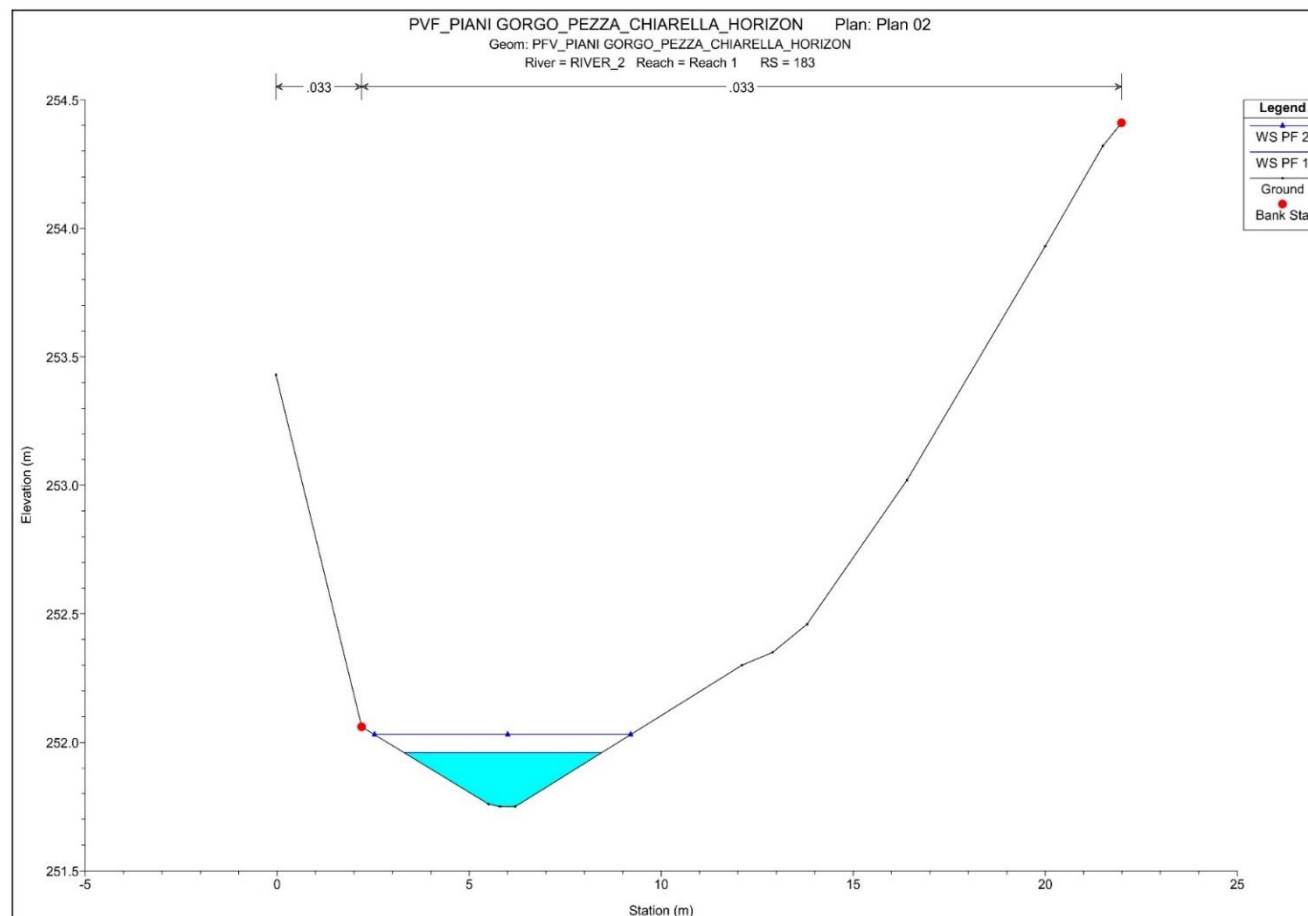


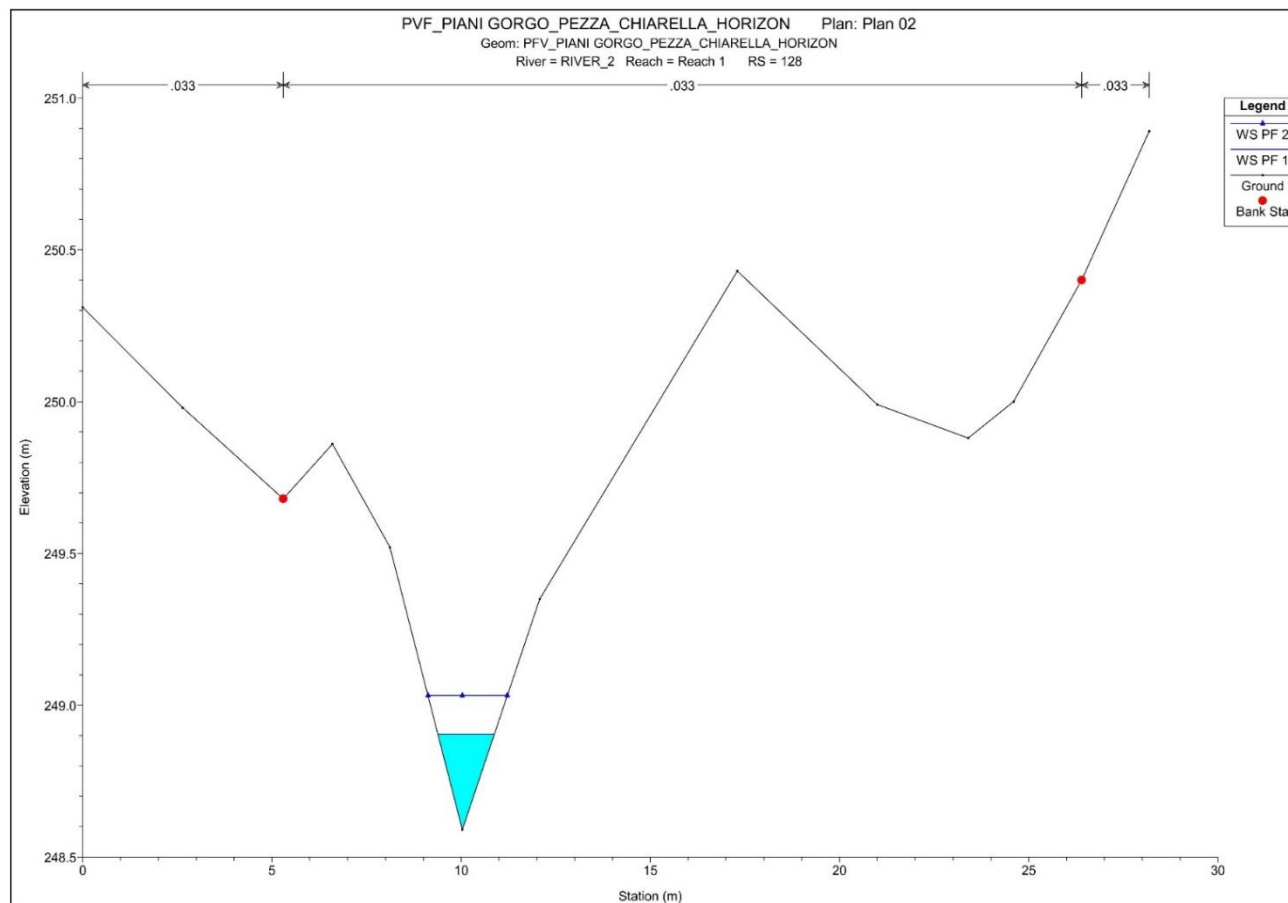


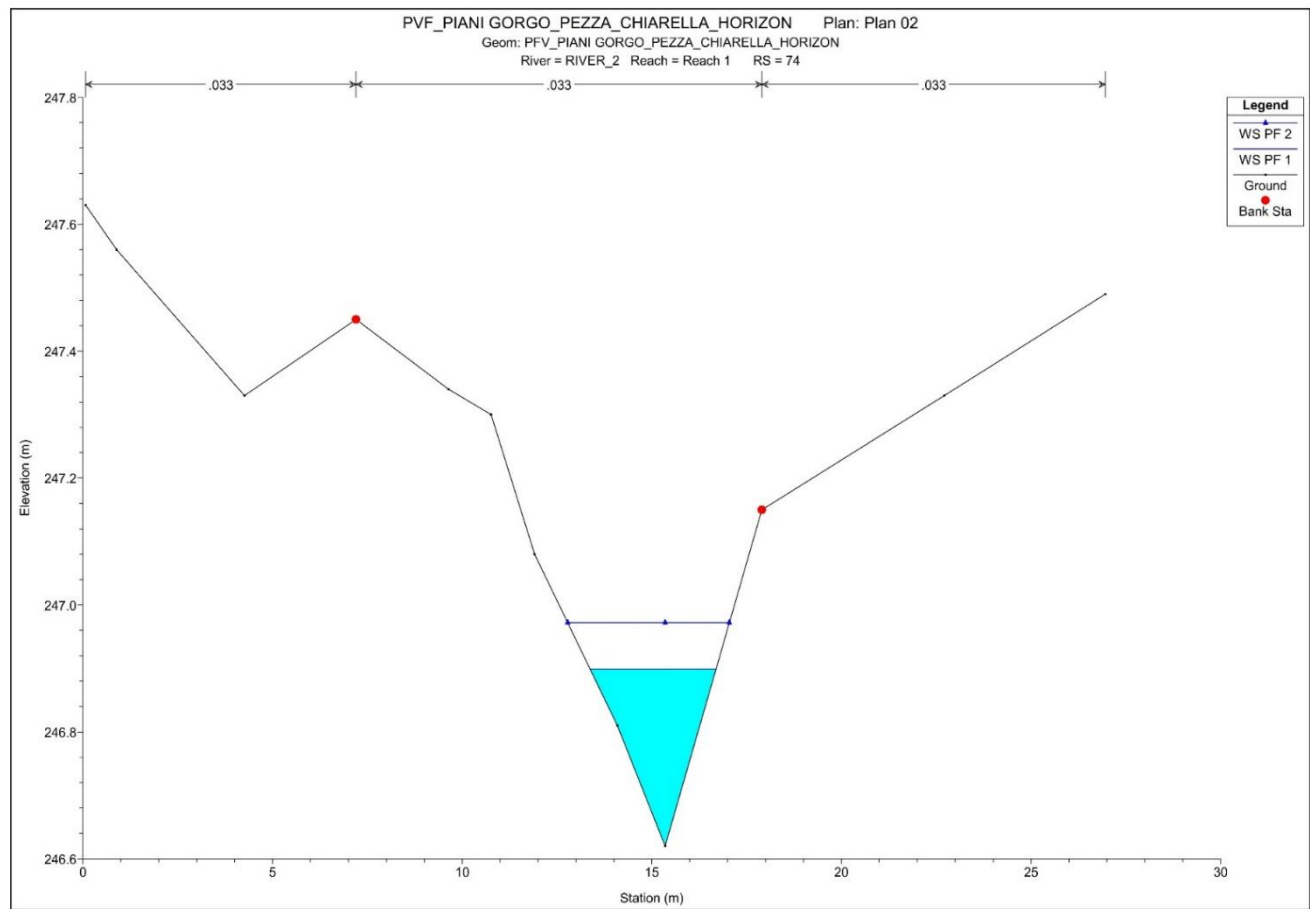


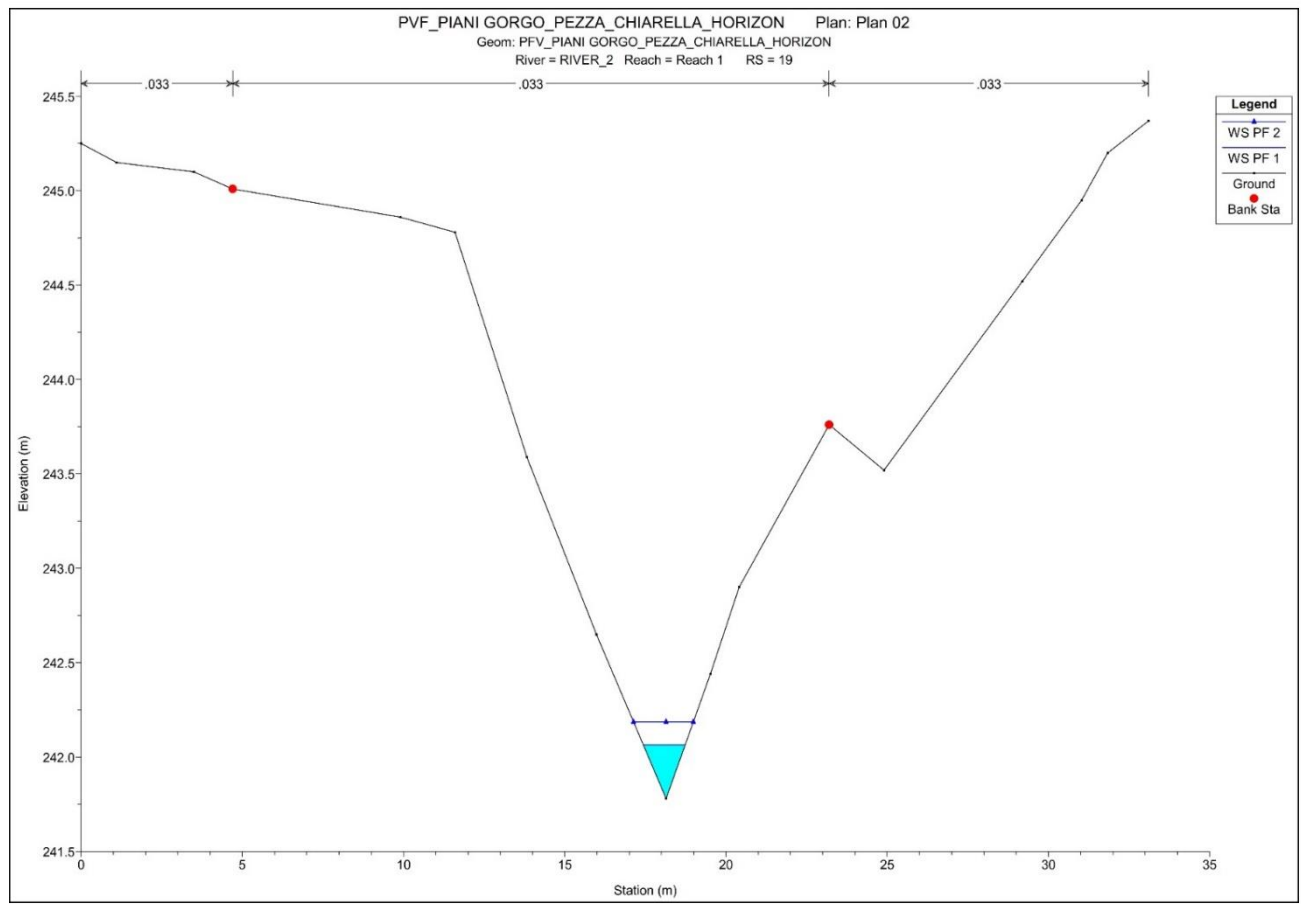











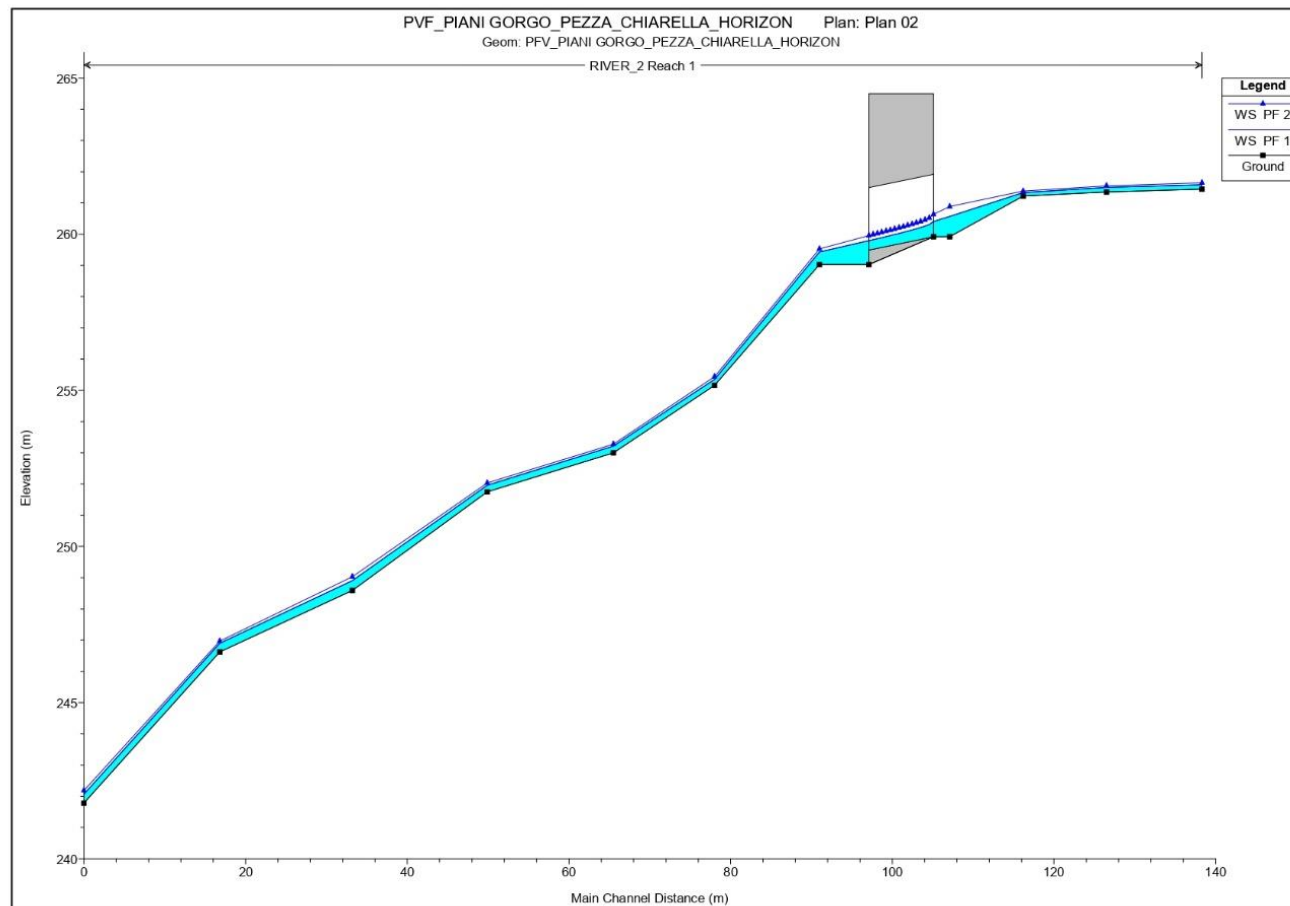


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### **3 Stato di fatto**

#### **3.1 Profile plot**







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