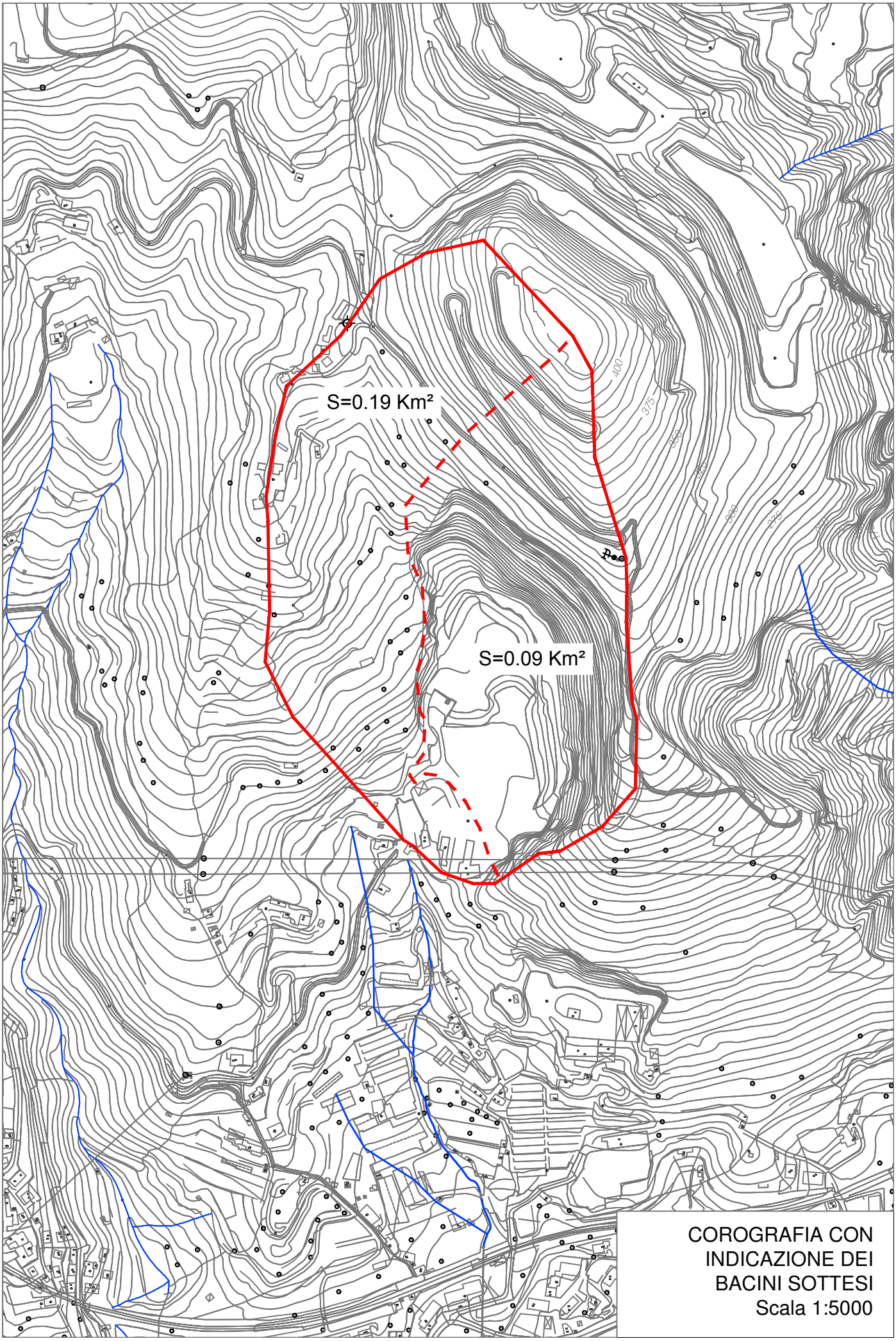
ALLEGATO A1

INDIVIDUAZIONE BACINI IDROGRAFICI

ELENCO ELABORATI

- **Corografia con indicazione dei bacini sottesi**



COROGRAFIA CON
INDICAZIONE DEI
BACINI SOTTESI
Scala 1:5000

ALLEGATO A2

VERIFICHE IDRAULICHE

ELENCO ELABORATI

Verifiche puntuali

- **Scala di deflusso**

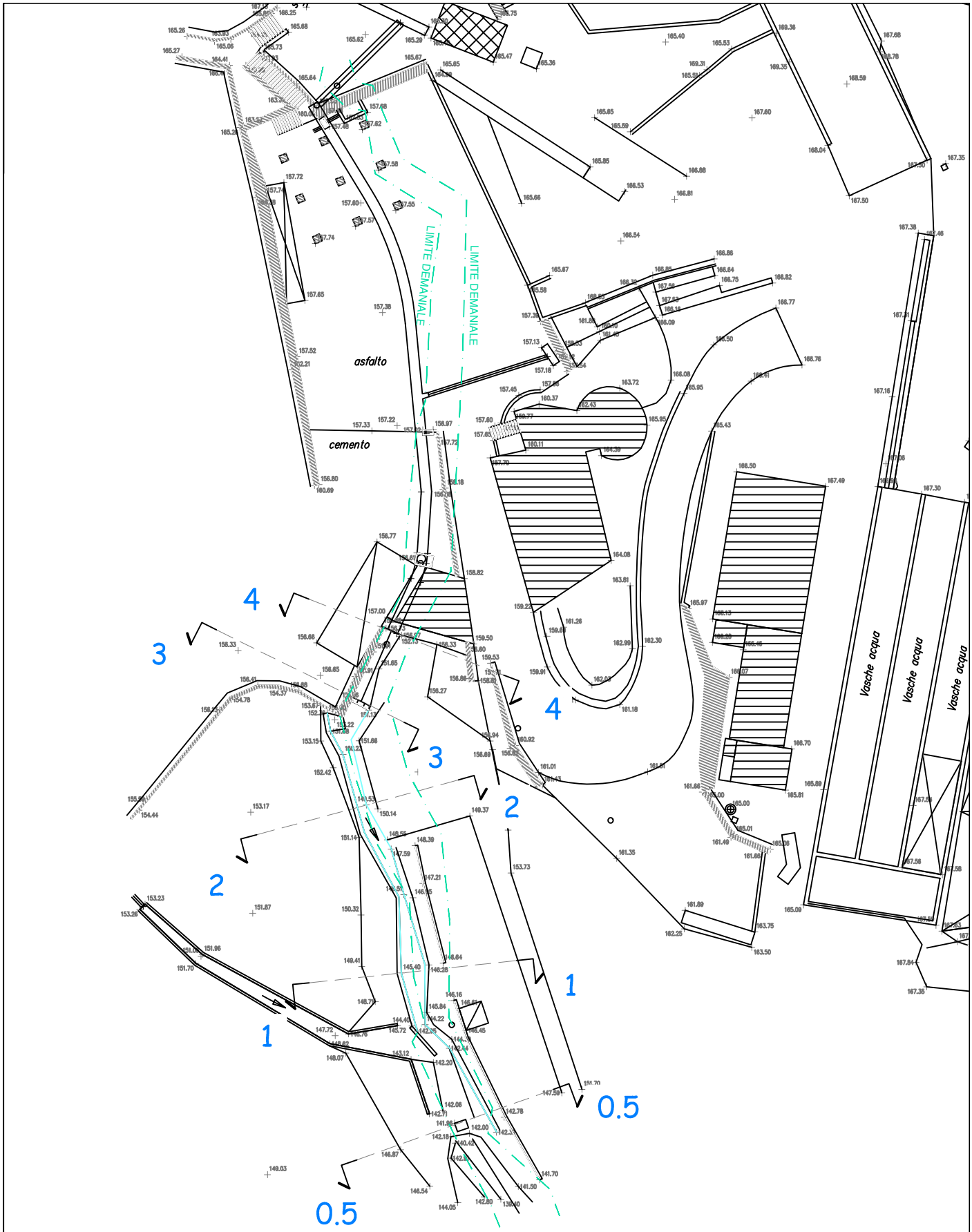
Verifiche globali

- **Planimetria con ubicazione sezioni idrauliche**
- **Profilo di rigurgito**
- **Tabella riassuntiva dei risultati**
- **Sezioni trasversali di calcolo**

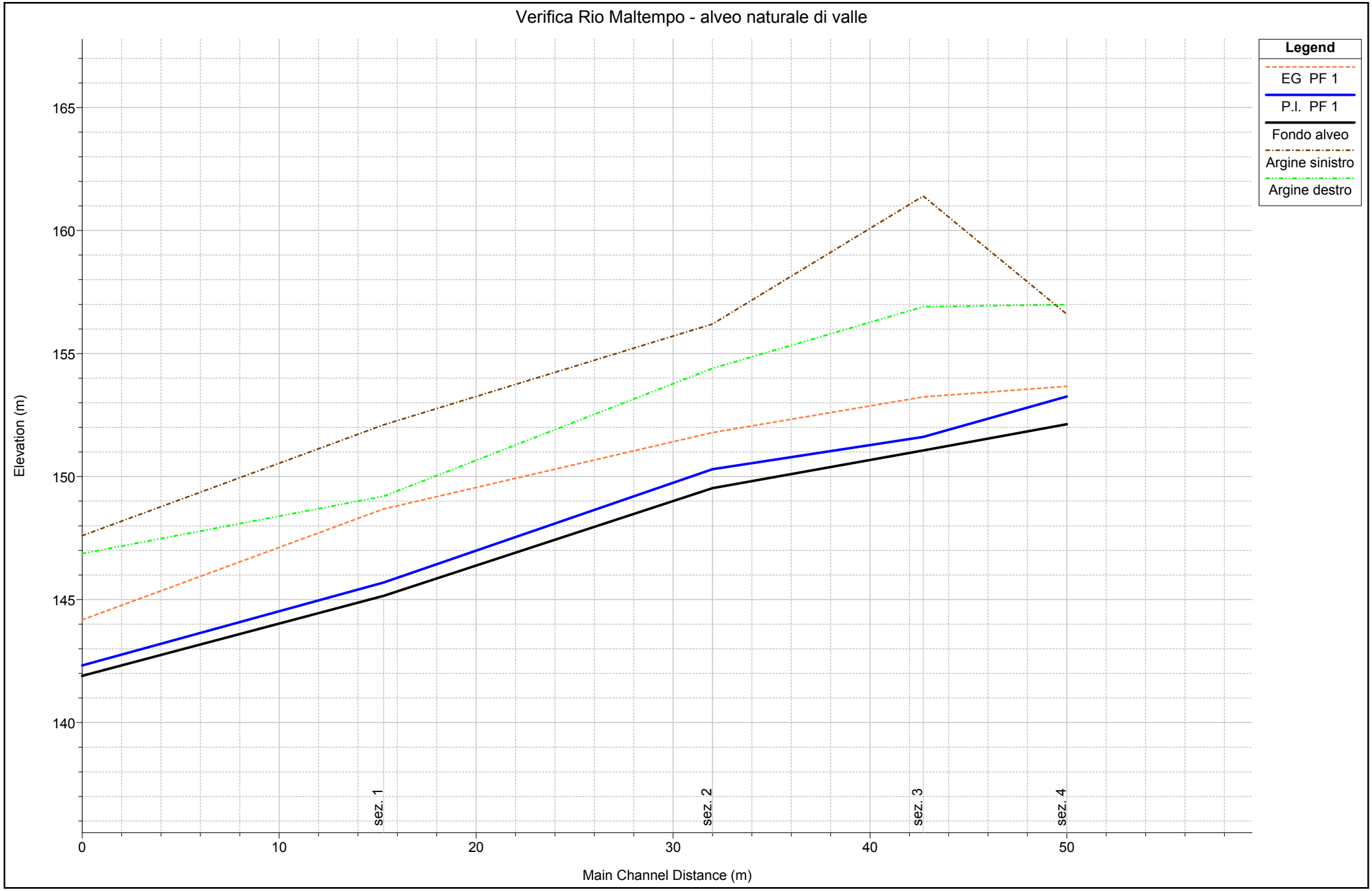
Tabella : Scala di deflusso canale / scatolare sezione rettangolare

Larghezza	B	=	1.5	m
Altezza sponde	H	=	1.8	m
Coefficiente di scabrezza di Manning	n	=	0.025	$m^{-1/3}$ s
Pendenza fondo	if	=	0.02	m/m

Altezza pelo libero Y [m]	Rapporto d'invaso Y/D [-]	Perimetro bagnato P [m]	Area A [m^2]	Raggio idraulico R [m]	Larghezza pelo libero b [m]	Portata Q [m^3/s]	Velocità V [m/s]	Carico cinetico Hc [m]	Carico specifico H [m]	Numero di Froude Fr [-]
0.10	0.06	1.70	0.15	0.09	1.50	0.17	1.12	0.06	0.16	1.13
0.20	0.11	1.90	0.30	0.16	1.50	0.50	1.65	0.14	0.34	1.18
0.30	0.17	2.10	0.45	0.21	1.50	0.91	2.03	0.21	0.51	1.18
0.40	0.22	2.30	0.60	0.26	1.50	1.39	2.31	0.27	0.67	1.17
0.50	0.28	2.50	0.75	0.30	1.50	1.90	2.54	0.33	0.83	1.14
0.60	0.33	2.70	0.90	0.33	1.50	2.45	2.72	0.38	0.98	1.12
0.70	0.39	2.90	1.05	0.36	1.50	3.02	2.87	0.42	1.12	1.10
0.80	0.44	3.10	1.20	0.39	1.50	3.61	3.00	0.46	1.26	1.07
0.90	0.50	3.30	1.35	0.41	1.50	4.21	3.12	0.50	1.40	1.05
1.00	0.56	3.50	1.50	0.43	1.50	4.82	3.22	0.53	1.53	1.03
1.10	0.61	3.70	1.65	0.45	1.50	5.45	3.30	0.56	1.66	1.01
1.20	0.67	3.90	1.80	0.46	1.50	6.08	3.38	0.58	1.78	0.98
1.30	0.72	4.10	1.95	0.48	1.50	6.72	3.45	0.61	1.91	0.97
1.40	0.78	4.30	2.10	0.49	1.50	7.37	3.51	0.63	2.03	0.95
1.50	0.83	4.50	2.25	0.50	1.50	8.02	3.56	0.65	2.15	0.93
1.60	0.89	4.70	2.40	0.51	1.50	8.67	3.61	0.67	2.27	0.91
1.70	0.94	4.90	2.55	0.52	1.50	9.33	3.66	0.68	2.38	0.90
1.80	1.00	5.10	2.70	0.53	1.50	10.00	3.70	0.70	2.50	0.88



PLANIMETRIA CON UBICAZIONE
DELLE SEZIONI IDRAULICHE
DEL RIO MALTEMPO
Scala 1:500

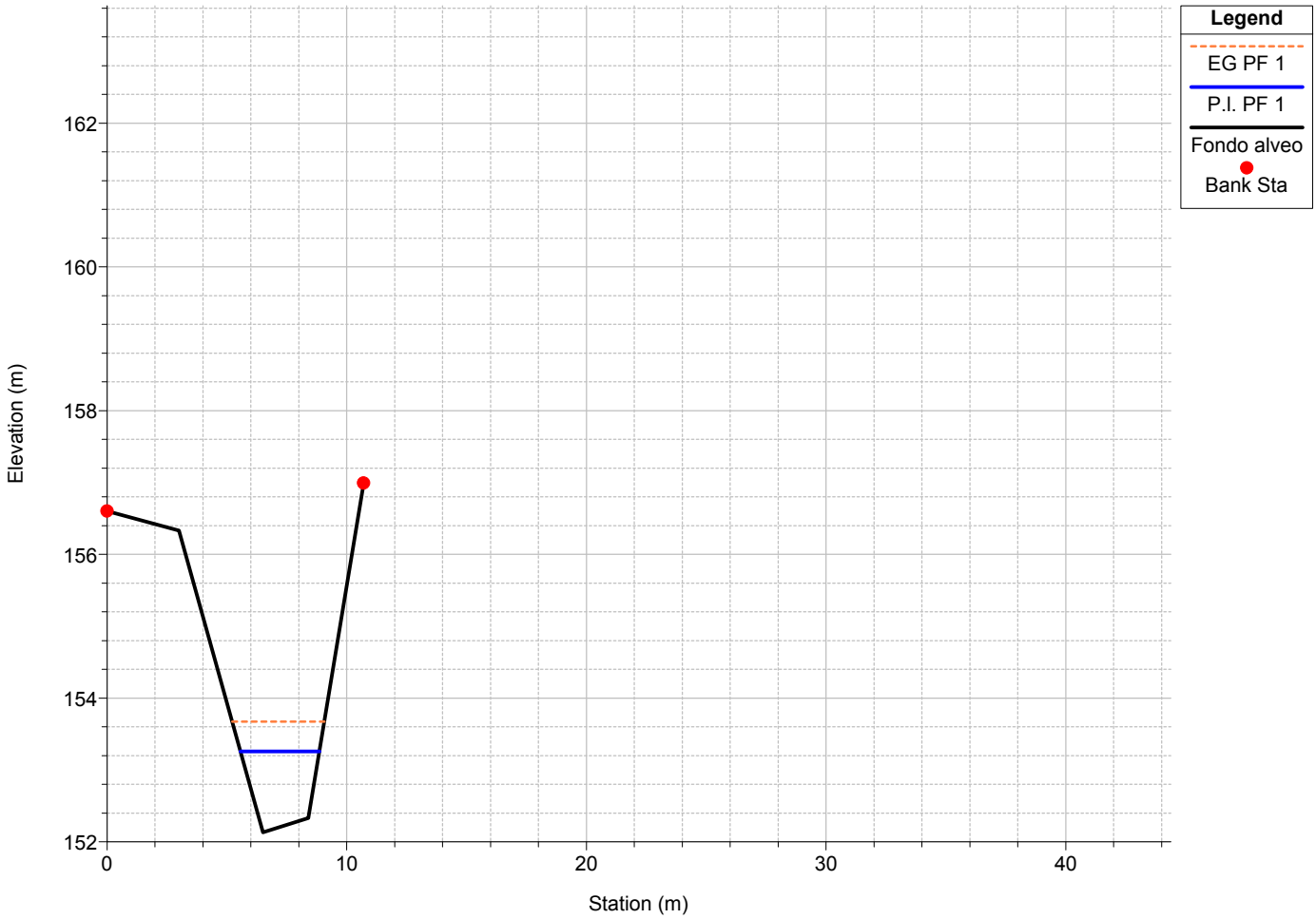


1 cm Horiz. = 2.5 m 1 cm Vert. = 2 m

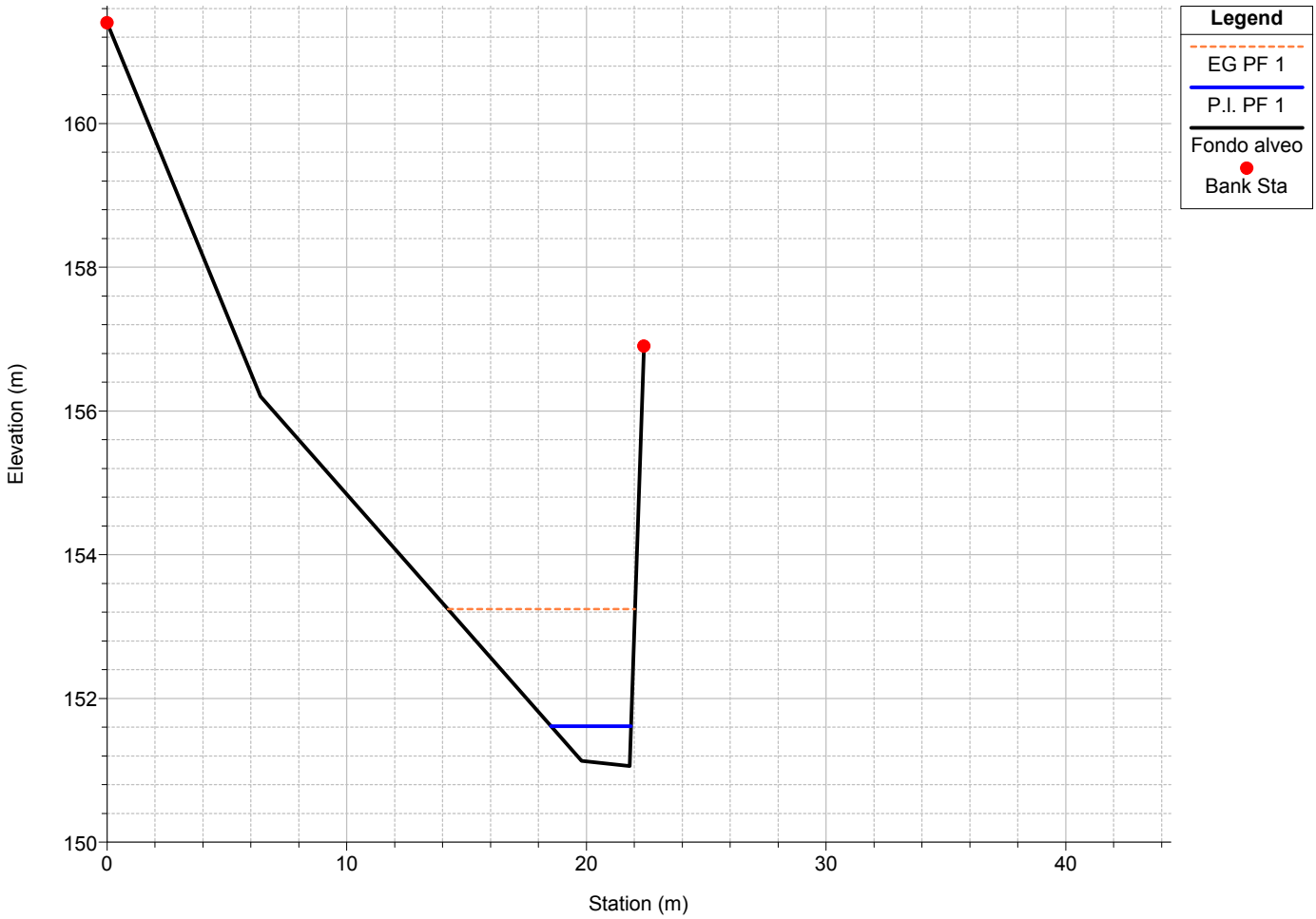
HEC-RAS Plan: mal-val River: maltempo Reach: maltempo Profile: PF 1

Reach	River Sta	Cum Ch Len	Q Total	Min Ch El	LOB Elev	ROB Elev	W.S. Elev	Hydr Depth	Max Chl Dpth	E.G. Elev	Vel Chnl	Flow Area	Top Width	Froude # Chl
		(m)	(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/s)	(m2)	(m)	
maltempo	4	50.00	7.70	152.13	156.60	156.99	153.26	0.82	1.13	153.67	2.85	2.70	3.30	1.01
maltempo	3	42.70	7.70	151.06	161.40	156.90	151.61	0.41	0.55	153.24	5.65	1.36	3.34	2.82
maltempo	2	32.00	7.70	149.53	156.20	154.40	150.30	0.59	0.77	151.79	5.41	1.42	2.41	2.25
maltempo	1	15.30	7.70	145.15	152.10	149.20	145.69	0.39	0.54	148.68	7.67	1.00	2.57	3.91
maltempo	0.5		7.70	141.90	147.60	146.87	142.33	0.32	0.43	144.18	6.04	1.28	4.02	3.42

RS = 4 Verifica Rio Maltempo - alveo naturale di valle

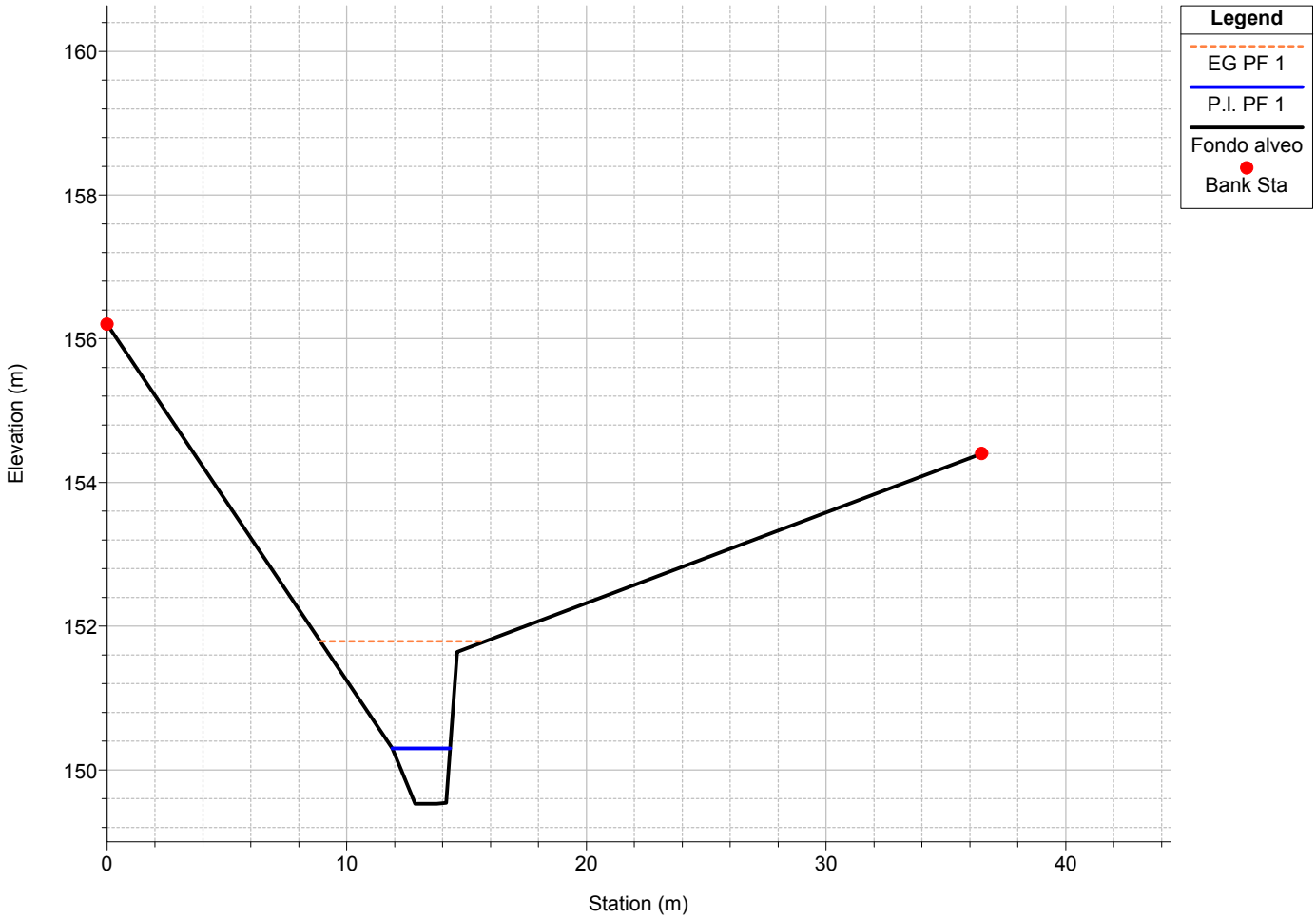


RS = 3 Verifica Rio Maltempo - alveo naturale di valle

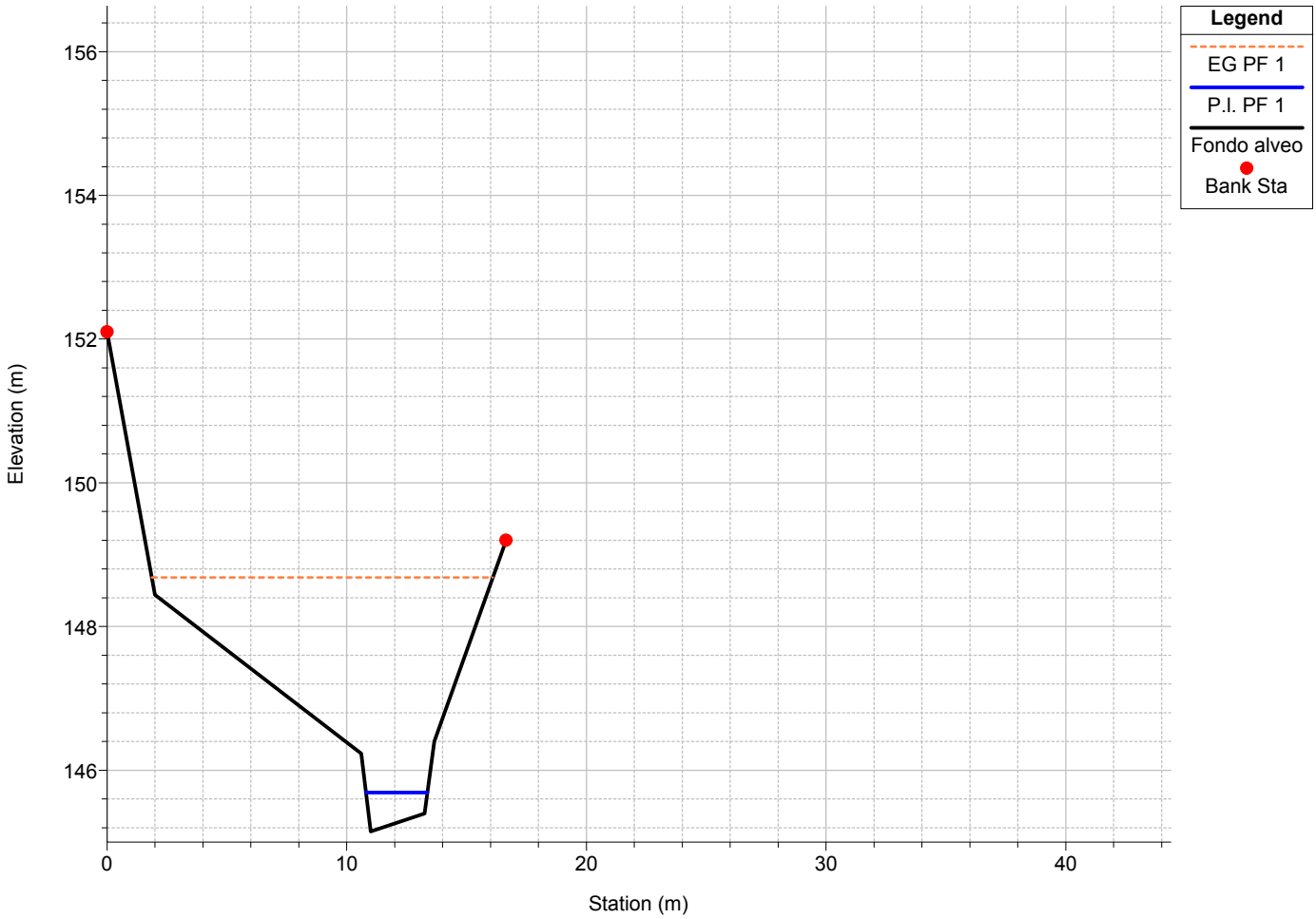


1 cm Horiz. = 3 m 1 cm Vert. = 1 m

RS = 2 Verifica Rio Maltempo - alveo naturale di valle

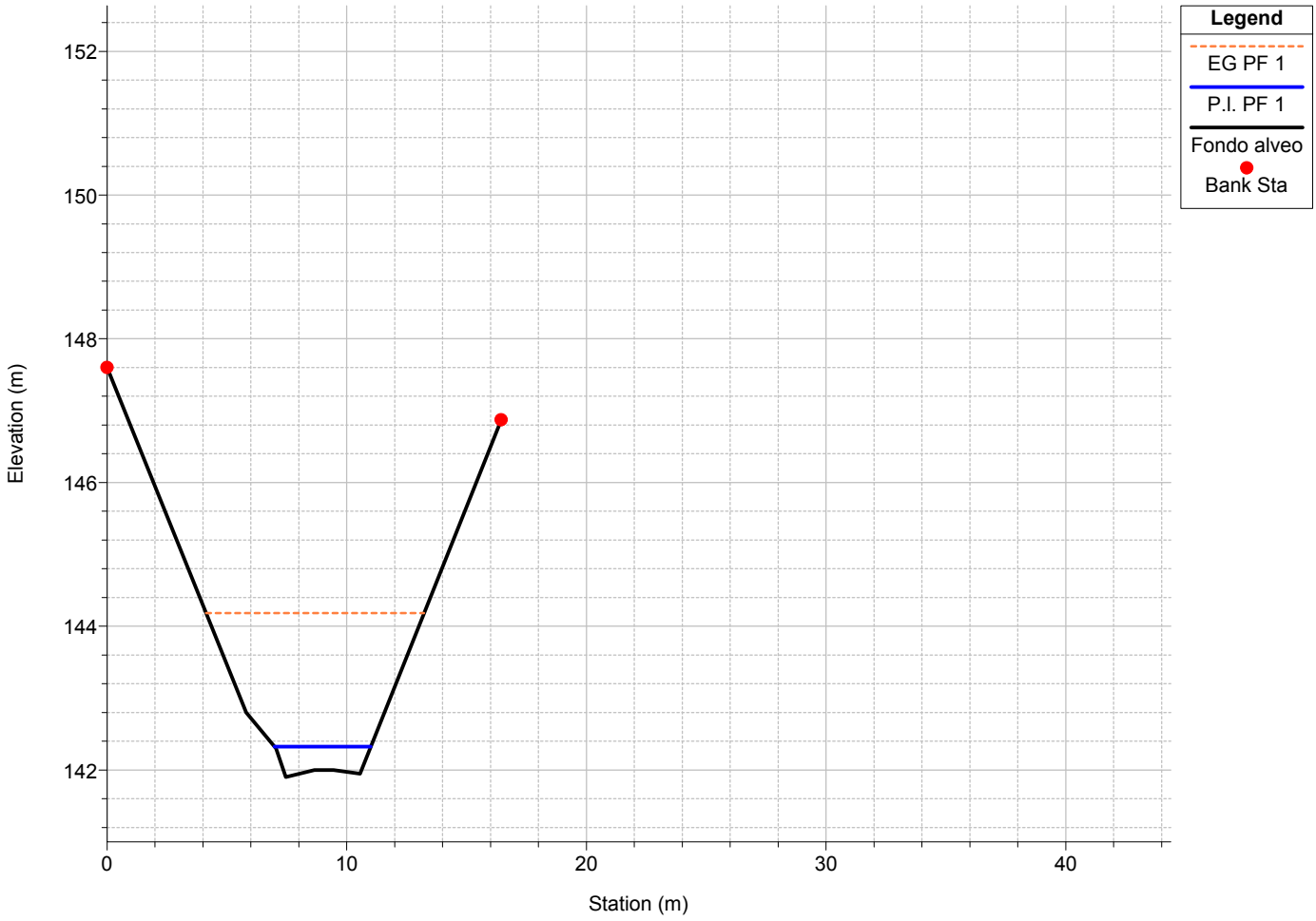


RS = 1 Verifica Rio Maltempo - alveo naturale di valle



1 cm Horiz. = 3 m 1 cm Vert. = 1 m

RS = 0.5 Verifica Rio Maltempo - alveo naturale di valle



1 cm Horiz. = 3 m 1 cm Vert. = 1 m