



HydroGeo

Ingegneria per l'Ambiente ed il Territorio

Studio Tecnico Associato Ingg. G. Gazzini, T. Staiano

AZIENDA CON SISTEMA DI GESTIONE
PER LA QUALITÀ CERTIFICATO DA DNV
= UNI EN ISO 9001:2008 =

Via Cardinal Latino, 20

50126 Firenze

Tel/Fax 055 65 87 050

e-mail info@studiohydrogeo.it

STUDIO IDROLOGICO IDRAULICO DI SUPPORTO AL REGOLAMENTO URBANISTICO DEL COMUNE DI SAN CASCIANO AI SENSI DEL REGOLAMENTO DI ATTUAZIONE 27/04/2007 N.26/R DELL'ART. 62 DELLA LEGGE REGIONALE 1/2005

CORSO D'ACQUA: BORRO DI SANT' ANGELO

TAVOLA

5

LIBRETTO SEZIONI FLUVIALI CON TR 20 - 30 200 - 500 ANNI BORRO DI SANT' ANGELO

SCALA: Varie

COMMITTENTE:



Comune di San Casciano in Val di Pesa

Via Machiavelli 56 - 50026 - San Casciano in Val di Pesa (FI)

PROGETTISTI:

ING. GIACOMO GAZZINI

DOTT. GEOL. ALESSANDRO MURRATZU

PROGETTO

L 3 5 0

LOTTO

0 1

FASE

S 0 3

DOC

D

ELABORATO

0 0 5

REV

A

REV.

DATA EMISSIONE

REDATTO

VERIFICATO

APPROVATO

A

Ottobre 2011

G.Gazzini

G.Gazzini

G.Gazzini

Borro Sant'Angelo





Libretto Sezioni con Livelli Idrometrici

TR = 20 , 30, 200, 500 anni

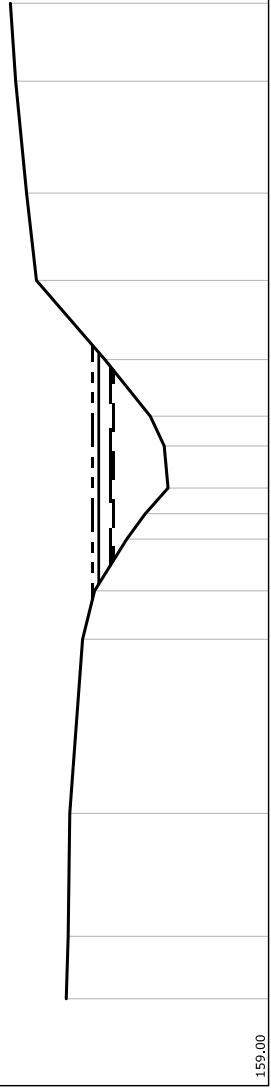
con durata critica Borro Sant'Angelo

SEZIONE N° 00037__11

LEGENDA:

- TR 20 H = 163.11 m. s.l.m. 
- TR 30 H = 163.19 m. s.l.m. 
- TR 200 H = 163.49 m. s.l.m. 
- TR 500 H = 163.66 m. s.l.m. 

SCALA DISTANZE 1:200
SCALA QUOTE 1:200



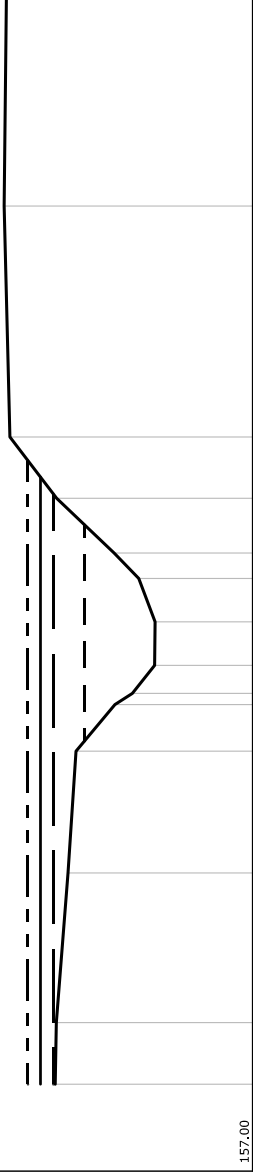
PUNTI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
QUOTE [m s.l.m.]	164,35	164,30	164,26	163,92	163,60	162,75	162,26	161,66	161,76	162,13	163,33	165,14	165,40	165,69	165,83
DISTANZE PROGRESSIVE [m]	0,00	1,65	4,90	9,51	10,79	12,16	12,83	13,51	14,62	15,41	16,91	19,00	21,31	24,27	26,33
DISTANZE PARZIALI [m]	1,65	3,25	4,61	1,28	1,37	1,11	1,50	2,09	2,31	2,96	2,06				

SEZIONE N° 00029__11

LEGENDA:

- TR 20 H =161.46 m. s.l.m. ————
- TR 30 H =162.27 m. s.l.m. ————
- TR 200 H =162.61 m. s.l.m. ————
- TR 500 H =162.94 m. s.l.m. ————

SCALA DISTANZE 1:200
SCALA QUOTE 1:200



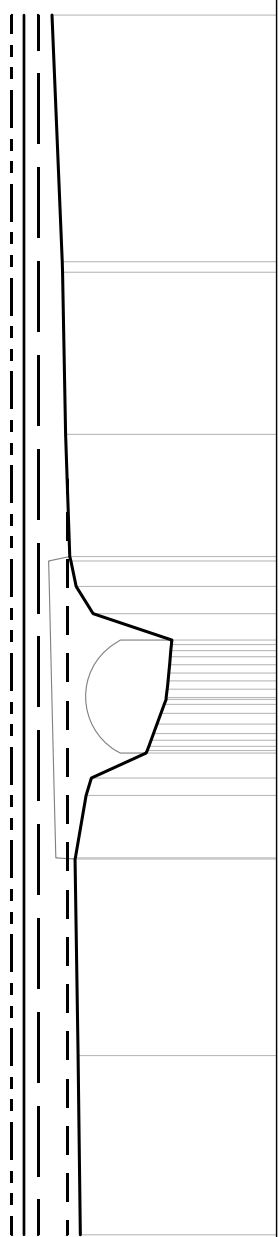
PUNTI		1	2	3	4	5	6	7	8	9	10	11	12	13	14
QUOTE [m s.l.m.]		162.22	162.19	161.88	161.67	160.04	160.18	159.59	159.58	160.01	160.66	162.18	163.42	163.57	163.51
DISTANZE PROGRESSIVE [m]		0.00	1.63	5.59	8.81	10.04	10.34	11.08	12.23	13.38	14.05	15.50	17.12	23.23	28.74
DISTANZE PARZIALI [m]			1.63	3.96	3.22	1.23	1.15	1.15	1.15	1.15	1.45	1.62	6.11	5.51	

SEZIONE N° 00026PB11

LEGENDA:

- TR 20 H = 161.54 m. s.l.m.
- TR 30 H = 162.31 m. s.l.m.
- TR 200 H = 162.68 m. s.l.m.
- TR 500 H = 163.00 m. s.l.m.




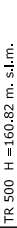
SCALA DISTANZE 1:200
SCALA QUOTE 1:200



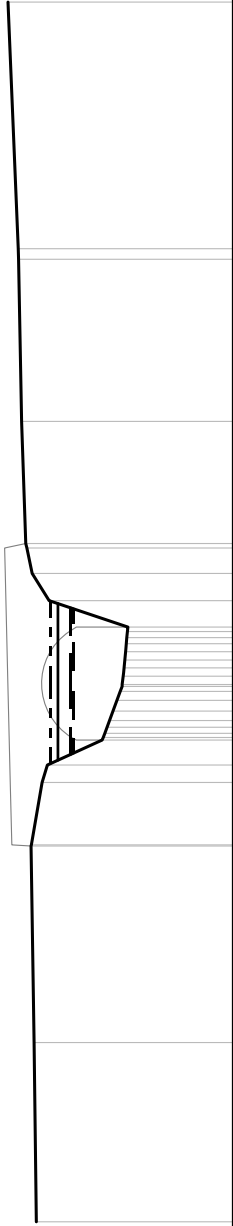
PUNTI	1	2	3	5	6	7	11	13	14	16	20	24	27	28	29	31	32	33	34
QUOTE [m s.l.m.]	161.19	161.25	161.33	161.04	160.90	159.45	159.32	159.16	158.89	158.92	158.81	158.85	158.78	158.85	160.85	161.30	161.44	161.66	161.94
DISTANZE PROGRESSIVE [m]	0.00	4.74	9.94	11.62	12.08	12.74	13.08	13.59	14.16	14.43	14.86	15.29	15.61	16.43	17.15	17.82	21.17	22.46	32.26
DISTANZE PARZIALI [m]		4.74	5.20	1.65													3.23	4.29	6.52

SEZIONE N° 00026PC11

LEGENDA:

- TR 20 H = 160.21 m. s.l.m. 
- TR 30 H = 160.28 m. s.l.m. 
- TR 200 H = 160.62 m. s.l.m. 
- TR 500 H = 160.82 m. s.l.m. 

SCALA DISTANZE 1:200
SCALA QUOTE 1:200



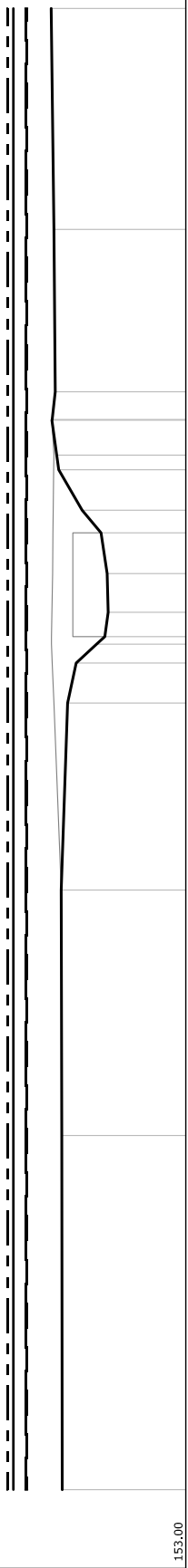
PUNTI	1	2	3	5	6	7	11	13	14	16	17	18	20	22	24	27	28	29	31	32	33	34		
QUOTE [m s.l.m.]	161.19	161.25	161.33	161.04	161.04	160.90	159.45	159.45	159.32	159.32	159.32	159.32	159.32	159.32	159.32	159.32	159.32	159.32	159.32	159.32	159.32	159.32	161.94	
DISTANZE PROGRESSIVE [m]	0.00	4.74	9.94	11.62	12.08	12.08	12.74	12.74	13.08	13.08	13.59	13.59	14.16	14.16	14.43	14.86	14.86	15.61	15.61	15.61	15.61	15.61	15.61	32.26
DISTANZE PARZIALI [m]		4.74	5.20	1.65															3.23	4.29			6.52	

SEZIONE N° 00015PB11

LEGENDA:

- TR 20 H = 157.62 m. s.l.m.
- TR 30 H = 157.67 m. s.l.m.
- TR 200 H = 158.02 m. s.l.m.
- TR 500 H = 158.20 m. s.l.m.



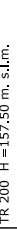
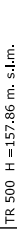
SCALA DISTANZE 1:200
SCALA QUOTE 1:200

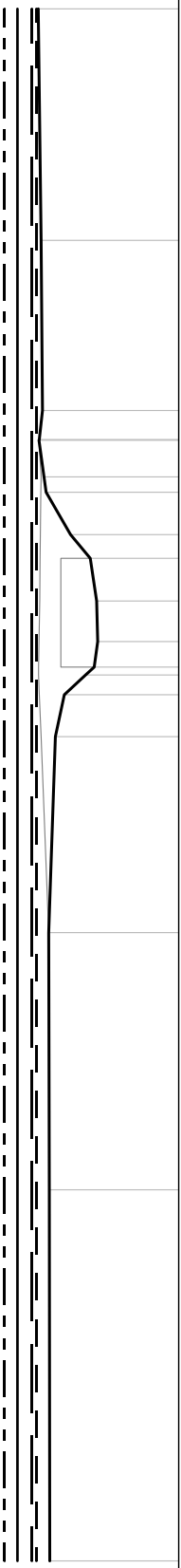


PUNTI	1	2	3	4	5	6	9	10	11	13	14	15	16	18	19	20
QUOTE [m s.l.m.]	156.60	156.61	156.63	156.44	156.19	155.60	155.26	155.29	155.47	156.02	156.70	156.76	156.90	156.80	156.84	156.92
DISTANZE PROGRESSIVE [m]	0.00	10.34	17.51	22.97	24.14	24.69	25.62	26.75	27.94	28.60	29.78	30.21	31.23	32.06	36.80	43.25
DISTANZE PARZIALI [m]		10.34	7.17	5.46	1.17		1.13	1.19	1.18	1.02	4.74	6.45				

SEZIONE N° 00015PC11

LEGENDA:

- TR 20 H = 156.97 m. s.l.m. 
- TR 30 H = 157.10 m. s.l.m. 
- TR 200 H = 157.50 m. s.l.m. 
- TR 500 H = 157.86 m. s.l.m. 


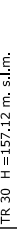




SCALA DISTANZE 1:200
SCALA QUOTE 1:200

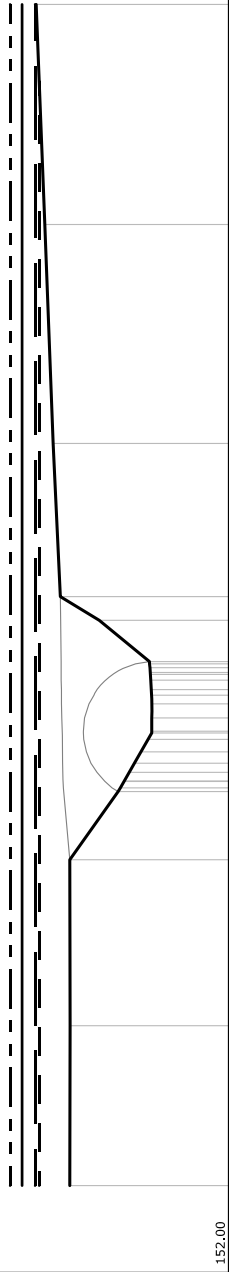
PUNTI	1	2	3	4	5	6	9	10	11	13	14	15	16	18	19	20
QUOTE [m s.l.m.]	156.60	156.61	156.63	156.44	156.19	155.60	155.26	155.29	155.47	156.02	156.70	156.76	156.90	156.80	156.84	156.92
DISTANZE PROGRESSIVE [m]	0.00	10.34	17.51	22.97	24.14	24.69	25.62	26.75	27.94	28.60	29.78	30.21	31.23	32.06	36.80	43.25
DISTANZE PARZIALI [m]		10.34	7.17	5.46	1.17		1.13	1.19	1.18	1.02			4.74		6.45	

SEZIONE N° 00010PB11

LEGENDA:

- TR 20 H = 157.01 m. s.l.m. 
- TR 30 H = 157.12 m. s.l.m. 
- TR 200 H = 157.46 m. s.l.m. 
- TR 500 H = 157.78 m. s.l.m. 


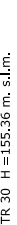


SCALA DISTANZE 1:200
SCALA QUOTE 1:200



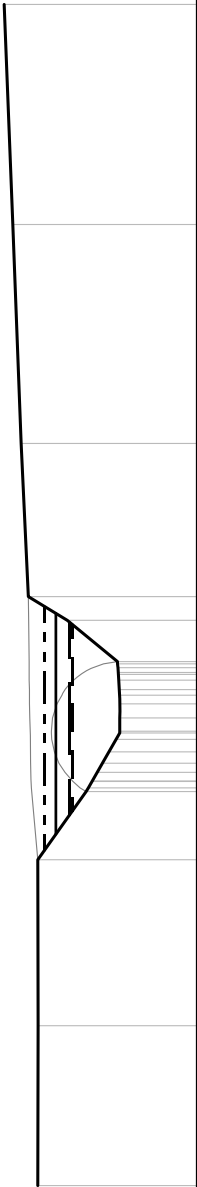
PUNTI	4.68	10.1	14.51	18.81	24	25	26	27	28
QUOTE [m s.l.m.]	154.42	154.32	154.13	154.03	154.03	154.03	156.64	156.86	157.09
DISTANZE PROGRESSIVE [m]	0.00	4.23	8.62	13.70	18.81	24	26	27	31.24
DISTANZE PARZIALI [m]		4.23	4.39	1.80	1.09	4.05	5.79	5.82	

SEZIONE N° 00010PC11

LEGENDA:

- TR 20 H = 155.29 m. s.l.m. 
- TR 30 H = 155.36 m. s.l.m. 
- TR 200 H = 155.72 m. s.l.m. 
- TR 500 H = 156.03 m. s.l.m. 

SCALA DISTANZE 1:200
SCALA QUOTE 1:200



PUNTI	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
QUOTE [m s.l.m.]	154.76	154.72	154.32	154.49	154.32	154.13	154.03	154.03	154.08	154.00	154.00	154.00	154.00	154.00	154.00	154.00	154.00	154.00	154.00	154.42	156.45	156.86	156.64	156.86	157.09
DISTANZE PROGRESSIVE [m]	0.00	4.23	8.62	10.42	11.17	11.47	11.80	12.37	12.74	13.70	14.13	14.51	14.81	15.58	16.63	17.99	19.63	21.53	23.76	25.42	27.41	29.65	31.24	31.24	31.24
DISTANZE PARZIALI [m]		4.23	4.39	1.80	0.75	0.30	0.33	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	1.09	2.04	2.17	2.17	2.17	5.82

SEZIONE N° 00003__11

LEGENDA:

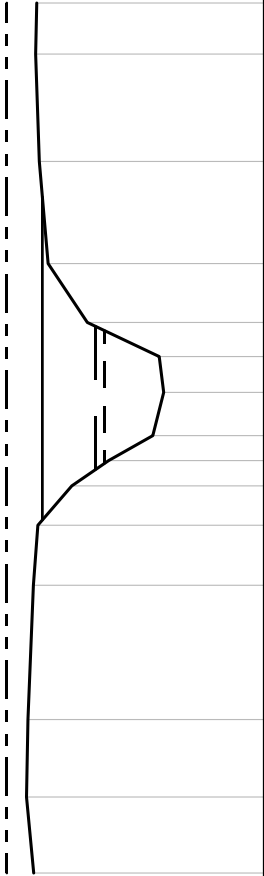
TR 20 H = 153.20 m. s.l.m.

TR 30 H = 153.44 m. s.l.m.

TR 200 H = 154.85 m. s.l.m.

TR 500 H = 155.79 m. s.l.m.

SCALA DISTANZE 1:200
SCALA QUOTE 1:200



PUNTI		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
QUOTE [m s.l.m.]		155,08	155,27	155,23	155,09	154,97	154,07	153,10	151,93	151,64	151,76	153,66	154,70	154,93	155,03	155,00
DISTANZE PROGRESSIVE [m]		0,00	2,01	4,06	7,61	9,20	10,24	10,91	11,57	12,71	13,66	14,56	16,12	18,82	21,66	23,01
DISTANZE PARZIALI [m]		2,01	2,05	3,55	1,59	1,04	1,14	1,14	1,56	2,70	2,84	1,35				





Borro Sant'Angelo

Libretto Sezioni con Livelli Idrometrici

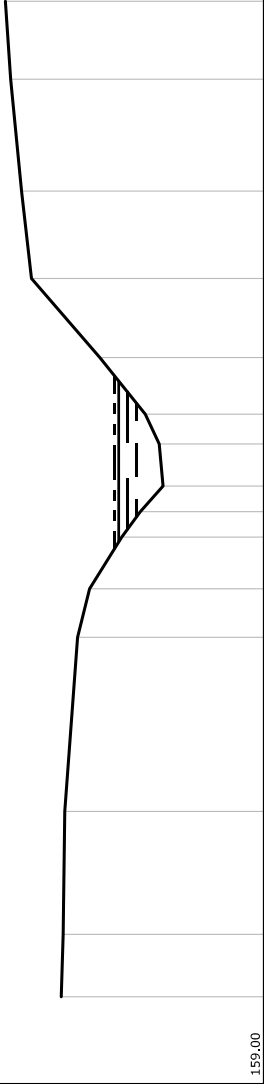
TR = 20 , 30, 200, 500 anni
con durata critica Fiume Greve

SEZIONE N° 00037__11

LEGENDA:

- TR 20 H = 162.35 m. s.l.m. 
- TR 30 H = 162.61 m. s.l.m. 
- TR 200 H = 162.83 m. s.l.m. 
- TR 500 H = 162.94 m. s.l.m. 

SCALA DISTANZE 1:200
SCALA QUOTE 1:200



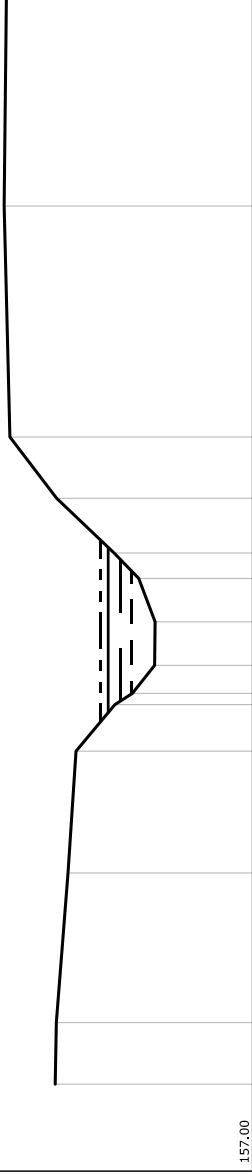
PUNTI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
QUOTE [m s.l.m.]	164,35	164,30	164,26	163,92	163,60	162,75	162,26	161,66	161,76	162,13	163,33	165,14	165,40	165,69	165,83
DISTANZE PROGRESSIVE [m]	0,00	1,65	4,90	9,51	10,79	12,16	12,83	13,51	14,62	15,41	16,91	19,00	21,31	24,27	26,33
DISTANZE PARZIALI [m]	1,65	3,25	4,61	1,28	1,37	1,11	1,50	2,09	2,31	2,96	2,06				

SEZIONE N° 00029__11

LEGENDA:

- TR 20 H =160,20 m. s.l.m.
- TR 30 H =160,49 m. s.l.m.
- TR 200 H =160,82 m. s.l.m.
- TR 500 H =161,02 m. s.l.m.



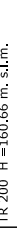
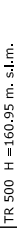
SCALA DISTANZE 1:200
SCALA QUOTE 1:200



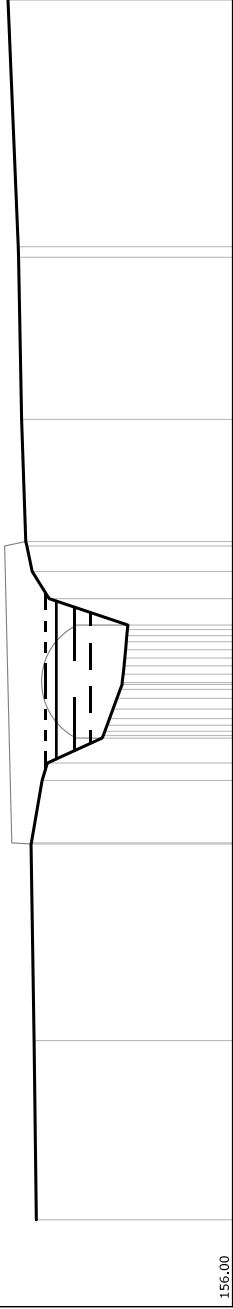
PUNTI		1	2	3	4	5	6	7	8	9	10	11	12	13	14
QUOTE [m s.l.m.]		162,22	162,19	161,88	161,67	160,34	160,18	159,59	159,58	160,01	160,66	162,18	163,42	163,57	163,51
DISTANZE PROGRESSIVE [m]		0,00	1,63	5,59	8,81	10,04	10,34	11,08	12,23	13,38	14,05	15,50	17,12	23,23	28,74
DISTANZE PARZIALI [m]			1,63	3,96	3,22	1,23	1,15	1,15	1,15	1,15	1,45	1,62	6,11	5,51	

SEZIONE N° 00026PB11

LEGENDA:

- TR 20 H = 159.76 m. s.l.m. 
- TR 30 H = 160.18 m. s.l.m. 
- TR 200 H = 160.66 m. s.l.m. 
- TR 500 H = 160.95 m. s.l.m. 

SCALA DISTANZE 1:200
SCALA QUOTE 1:200



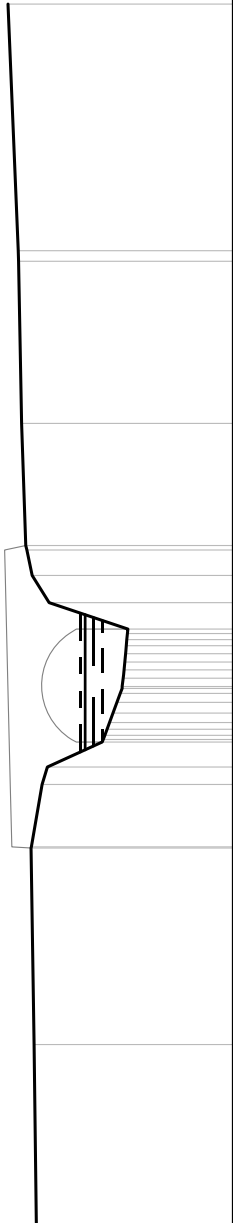
PUNTI	1	2	3	5	6	7	11	13	14	16	17	18	20	22	24	27	28	29	31	32	33	34		
QUOTE [m s.l.m.]	161.19	161.25	161.33	161.04	161.04	160.90	159.45	159.45	159.32	159.32	159.32	159.32	159.32	159.32	159.32	159.32	159.32	159.32	159.32	159.32	159.32	159.32	159.32	
DISTANZE PROGRESSIVE [m]	0.00	4.74	9.94	11.62	12.08	12.08	12.74	12.74	13.08	13.08	13.59	13.59	14.16	14.16	14.43	14.86	14.86	15.61	15.61	15.61	15.61	15.61	15.61	15.61
DISTANZE PARZIALI [m]		4.74	5.20	1.65															3.23	4.29		6.52		

SEZIONE N° 00026PC11

LEGENDA:

- TR 20 H = 159.44 m. s.l.m.
- TR 30 H = 159.68 m. s.l.m.
- TR 200 H = 159.90 m. s.l.m.
- TR 500 H = 160.02 m. s.l.m.

SCALA DISTANZE 1:200
SCALA QUOTE 1:200



156.00

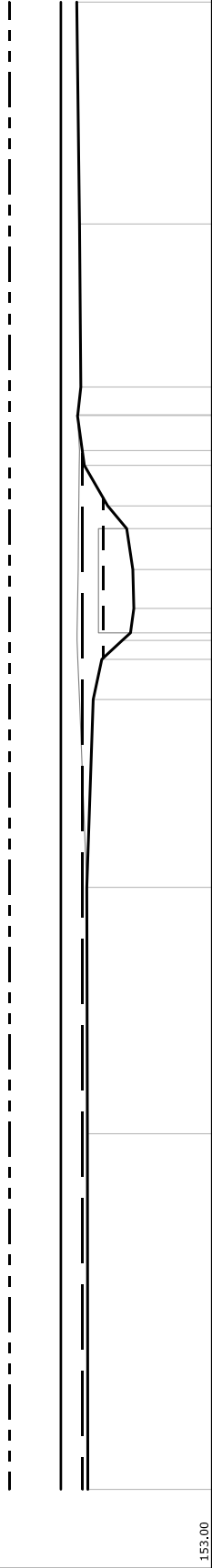
PUNTI	1	2	3	5	6	7	11	13	14	16	17	18	19	20	22	24	27	28	29	31	32	33	34		
QUOTE [m s.l.m.]	161.19	161.25	161.33	161.04	161.04	160.90	159.45	159.45	159.32	159.32	159.32	159.32	159.32	159.32	159.32	159.32	159.32	159.32	159.32	161.58	161.66	161.67	161.94		
DISTANZE PROGRESSIVE [m]	0.00	4.74	9.94	11.62	12.08	12.08	12.74	12.74	13.08	13.08	13.59	13.59	14.16	14.16	14.43	14.86	15.29	15.29	15.61	16.43	17.15	17.82	21.17	22.46	32.26
DISTANZE PARZIALI [m]		4.74	5.20	1.65																3.23	4.29		6.52		

SEZIONE N° 00015PB11

LEGENDA:

- TR 20 H = 156.16 m. s.l.m.
- TR 30 H = 156.75 m. s.l.m.
- TR 200 H = 157.38 m. s.l.m.
- TR 500 H = 158.88 m. s.l.m.


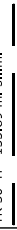

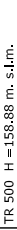
SCALA DISTANZE 1:200
SCALA QUOTE 1:200



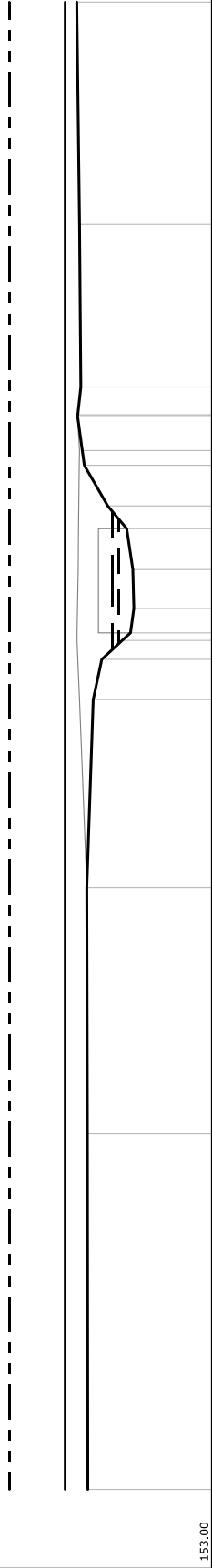
PUNTI	1	2	3	4	5	6	9	10	11	13	14	15	16	18	19	20
QUOTE [m s.l.m.]	156.60	156.61	156.63	156.44	156.19	155.60	155.26	155.29	155.47	156.02	156.70	156.76	156.90	156.80	156.84	156.92
DISTANZE PROGRESSIVE [m]	0.00	10.34	17.51	22.97	24.14	24.69	25.62	26.75	27.94	28.60	29.78	30.21	31.23	32.06	36.80	43.25
DISTANZE PARZIALI [m]		10.34	7.17	5.46	1.17		1.13	1.19	1.18	1.02			4.74		6.45	

SEZIONE N° 00015PC11

LEGENDA:

- TR 20 H = 155.69 m. s.l.m. 
- TR 30 H = 155.89 m. s.l.m. 
- TR 200 H = 157.26 m. s.l.m. 
- TR 500 H = 158.88 m. s.l.m. 


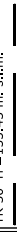
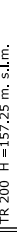
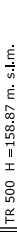
SCALA DISTANZE 1:200
SCALA QUOTE 1:200



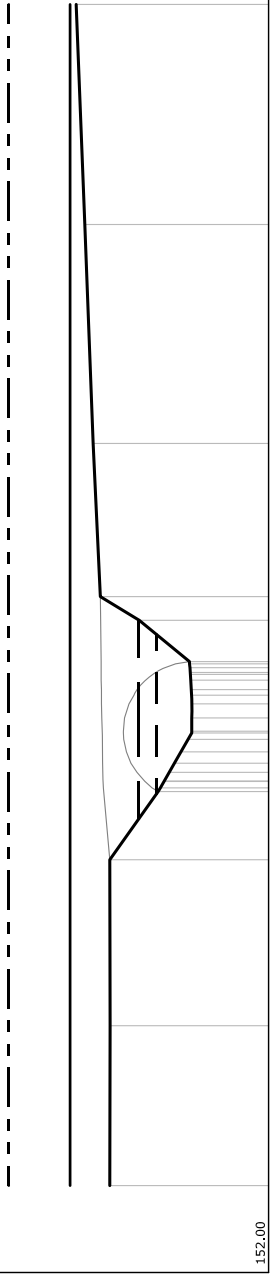
PUNTI	1	2	3	4	5	6	9	10	11	13	14	15	16	18	19	20
QUOTE [m s.l.m.]	156.60	156.61	156.63	156.44	156.19	155.60	155.26	155.29	155.47	156.02	156.70	156.76	156.90	156.80	156.84	156.92
DISTANZE PROGRESSIVE [m]	0.00	10.34	17.51	22.97	24.14	24.69	25.62	26.75	27.94	28.60	29.78	30.21	31.23	32.06	36.80	43.25
DISTANZE PARZIALI [m]		10.34	7.17	5.46	1.17		1.13	1.19	1.18	1.02			4.74		6.45	

SEZIONE N° 00010PB11

LEGENDA:

- TR 20 H = 154.96 m. s.l.m. 
- TR 30 H = 155.43 m. s.l.m. 
- TR 200 H = 157.25 m. s.l.m. 
- TR 500 H = 158.87 m. s.l.m. 

SCALA DISTANZE 1:200
SCALA QUOTE 1:200


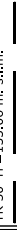
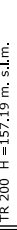
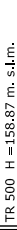


152.00

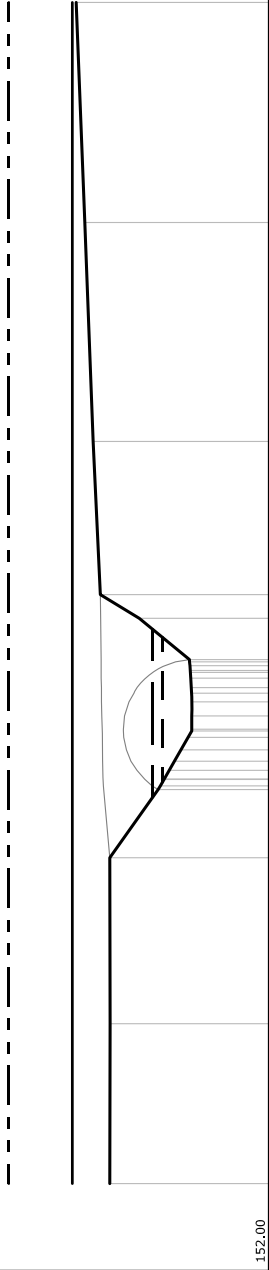
PUNTI	4.68	10.1	14.51	18.81	24	25	26	27	28
QUOTE [m s.l.m.]	154.96	154.96	154.96	154.96	154.96	154.96	156.64	156.86	157.09
DISTANZE PROGRESSIVE [m]	0.00	4.23	8.62	13.70	18.81	24.25	29.63	35.02	40.41
DISTANZE PARZIALI [m]		4.23	4.39	1.80	1.09	5.79	4.05	5.82	

SEZIONE N° 00010PC11

LEGENDA:

- TR 20 H = 154.80 m. s.l.m. 
- TR 30 H = 155.06 m. s.l.m. 
- TR 200 H = 157.19 m. s.l.m. 
- TR 500 H = 158.87 m. s.l.m. 

SCALA DISTANZE 1:200
SCALA QUOTE 1:200



PUNTI	4.6	9	10	11	14	15	17	18	21	24	25	26	27	28
QUOTE [m s.l.m.]	154.92	154.76	154.76	154.76	154.76	154.76	154.76	154.76	154.76	154.76	154.76	156.64	156.86	157.09
DISTANZE PROGRESSIVE [m]	0.00	4.23	8.62	156.20	156.20	156.20	156.20	156.20	156.20	156.20	156.20	156.64	156.86	157.09
DISTANZE PARZIALI [m]		4.23	4.39	1.80	1.09	4.05	5.79	5.82						

SEZIONE N° 00003__11

LEGENDA:

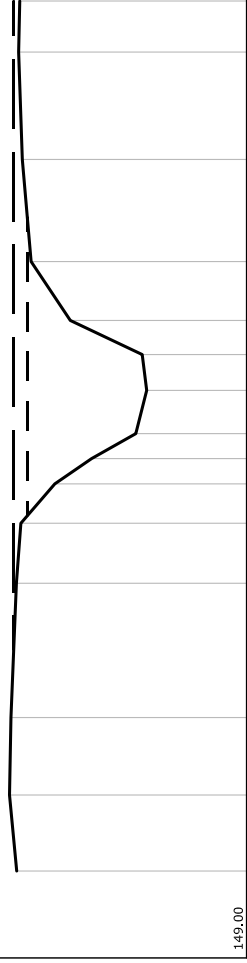
TR 20 H = 154.80 m. s.l.m.

TR 30 H = 155.16 m. s.l.m.

TR 200 H = 157.20 m. s.l.m.

TR 500 H = 158.87 m. s.l.m.

SCALA DISTANZE 1:200
SCALA QUOTE 1:200



PUNTI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
QUOTE [m s.l.m.]	155,08	155,27	155,23	155,09	154,97	154,07	153,10	151,93	151,64	151,76	153,66	154,70	154,93	155,03	155,00
DISTANZE PROGRESSIVE [m]	0,00	2,01	4,06	7,61	9,20	10,24	10,91	11,57	12,71	13,66	14,56	16,12	18,82	21,66	23,01
DISTANZE PARZIALI [m]	2,01	2,05	3,55	1,59	1,04	1,14	1,14	1,56	2,70	2,84	1,35				