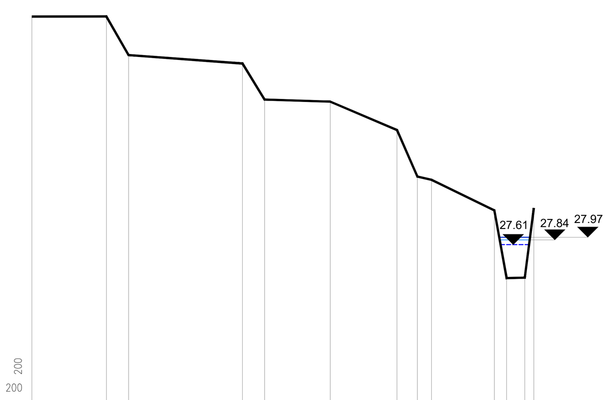
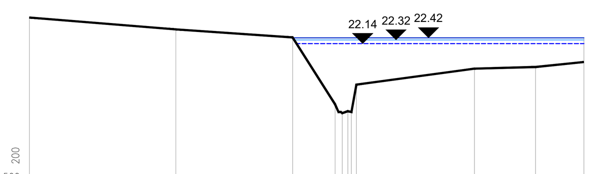
SEZIONE 19



20.00 — 200 / 200

PICCHETTO	1	2	3	4	5	6	7	8	9	10	11	12	13
DISTANZE PROGRESSIVE [m]	0.00	9.04	11.73	25.54	28.21	36.18	44.27	46.74	48.45	56.08	57.55	59.76	60.86
DISTANZE PARZIALI [m]	9.04	2.69	13.81	2.67	7.97	8.10	2.46	1.71	7.63	1.47	2.21	1.10	
QUOTE [m s.l.m.m.]	38.68	38.69	36.81	36.40	34.65	34.55	33.17	30.92	30.75	29.27	25.98	26.01	29.39

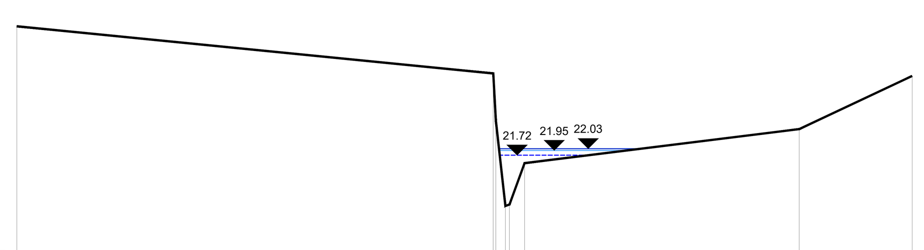
SEZIONE 56



15.00 — 200 / 500

PICCHETTO	1	2	3	4	5	6	7	8	11	12	13
DISTANZE PROGRESSIVE [m]	0.00	17.77	31.92	37.06	37.94	38.60	39.05	39.65	53.96	61.37	67.23
DISTANZE PARZIALI [m]	17.77	14.16	5.14	0.35	0.27	0.18	0.24	14.31	7.41	5.86	
QUOTE [m s.l.m.m.]	23.41	22.83	22.44	19.20	18.77	18.86	18.82	20.16	20.93	21.01	21.25

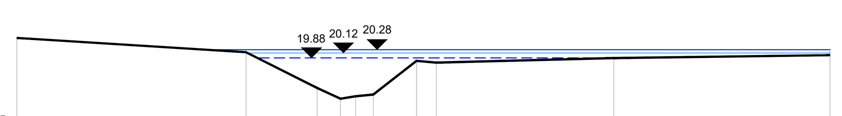
SEZIONE 21



15.00 — 200 / 500

PICCHETTO	1	2	3	4	5	6	7	8
DISTANZE PROGRESSIVE [m]	0.00	57.84	58.16	59.31	59.81	61.64	94.98	108.69
DISTANZE PARZIALI [m]	57.84	0.32	1.15	0.50	1.84	33.34	13.71	
QUOTE [m s.l.m.m.]	27.98	25.68	23.42	19.26	19.33	21.34	22.99	25.56

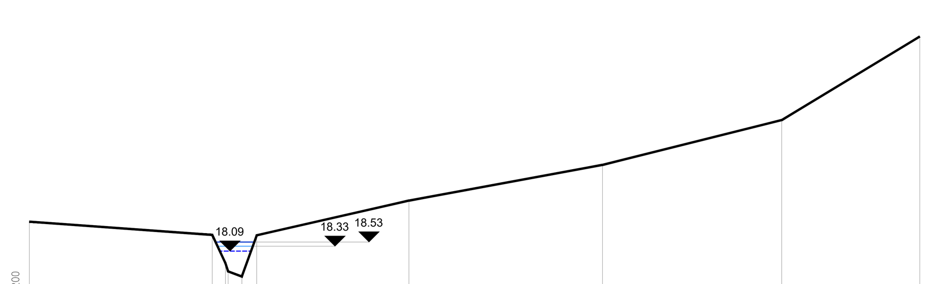
SEZIONE 57



15.00 — 200 / 200

PICCHETTO	1	2	3	4	5	6	7	8	9	10
DISTANZE PROGRESSIVE [m]	0.00	11.12	14.57	15.71	16.44	17.30	19.40	20.35	28.98	39.47
DISTANZE PARZIALI [m]	11.12	3.45	1.13	0.73	0.86	2.10	0.95	8.62	10.49	
QUOTE [m s.l.m.m.]	20.85	20.15	18.42	17.90	18.02	18.10	19.74	19.65	19.87	20.01

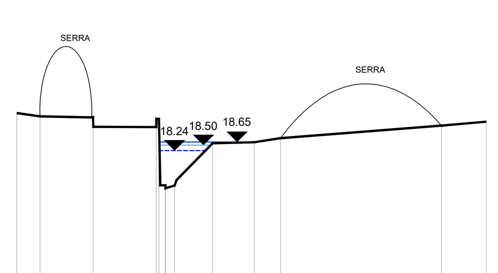
SEZIONE 22



15.00 — 200 / 200

PICCHETTO	1	2	3	4	5	6	7	8	9	10
DISTANZE PROGRESSIVE [m]	0.00	22.22	23.81	24.13	25.80	27.61	46.09	69.58	91.35	108.11
DISTANZE PARZIALI [m]	22.22	1.60	0.32	1.67	1.81	18.48	23.49	21.77	16.76	
QUOTE [m s.l.m.m.]	19.52	18.88	17.50	17.10	16.85	18.86	20.55	22.28	24.46	28.52

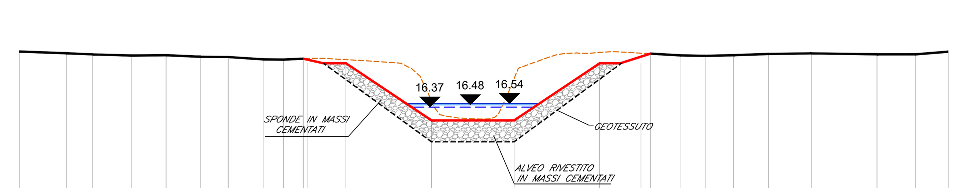
SEZIONE 206



10.00 — 200 / 500

PICCHETTO	1	2	3	4	5	6	7	8	9	10	11	12
DISTANZE PROGRESSIVE [m]	0.00	2.81	9.27	16.94	17.26	18.05	19.16	23.78	28.83	32.03	51.59	57.01
DISTANZE PARZIALI [m]	2.81	6.46	7.67	0.13	0.32	0.44	4.38	5.05	3.20	19.55	5.42	
QUOTE [m s.l.m.m.]	20.06	19.90	19.39	19.38	19.78	16.41	16.54	18.60	18.64	18.84	19.45	19.64

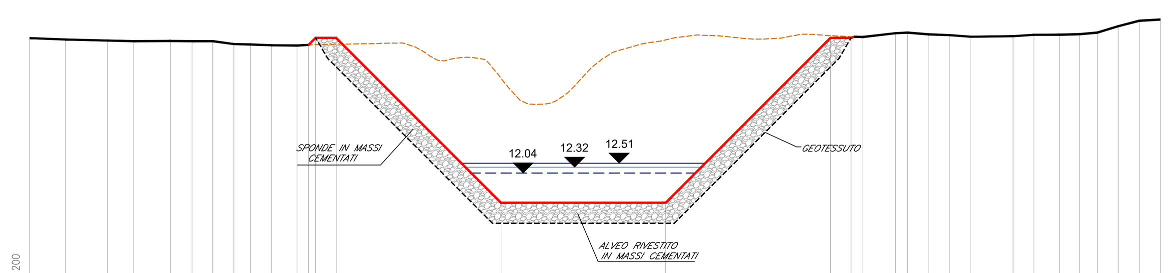
SEZIONE 544.6



10.00 — 200 / 200

PICCHETTO	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
DISTANZE PROGRESSIVE [m]	0.00	2.29	3.56	5.45	7.12	8.80	10.14	11.86	12.81	13.78	14.00	15.85	20.00	24.00	28.16	30.16	30.62	32.06	33.27	34.65	36.35	38.42	41.60	43.48	45.06
DISTANZE PARZIALI [m]	2.29	1.27	1.89	1.67	1.68	1.34	1.72	0.95	0.97	0.22	1.84	4.16	4.00	4.16	2.00	0.46	1.44	1.22	1.38	1.70	2.07	3.18	1.88	1.58	
QUOTE [m s.l.m.m.]	19.07	18.98	18.93	18.87	18.89	18.81	18.80	18.69	18.68	18.72	18.50	18.50	15.73	15.73	18.50	18.50	18.96	18.88	18.86	18.89	18.95	18.98	18.93	18.93	19.06

SEZIONE 497

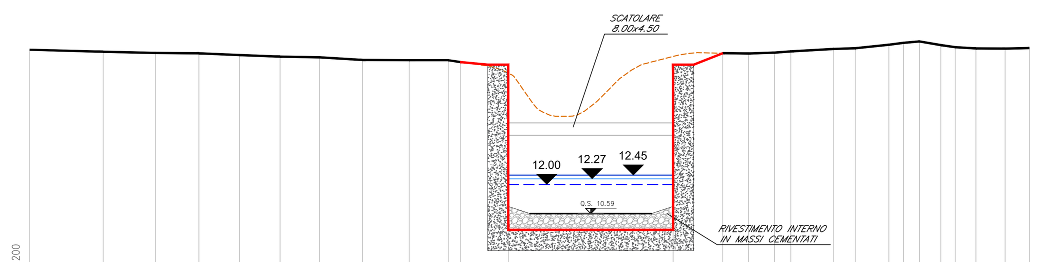


6.00 — 200 / 200

PICCHETTO	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
DISTANZE PROGRESSIVE [m]	0.00	1.73	3.78	5.03	6.85	7.88	8.89	9.91	10.72	11.73	12.98	13.54	13.88	14.88	22.88	30.88
DISTANZE PARZIALI [m]	1.73	2.05	1.25	1.82	1.03	1.01	1.02	0.81	1.01	1.25	0.56	0.35	1.00	8.00	8.00	8.00
QUOTE [m s.l.m.m.]	18.59	18.52	18.47	18.44	18.45	18.44	18.44	18.30	18.27	18.24	18.23	18.25	18.60	18.60	10.60	10.60

PICCHETTO	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
DISTANZE PROGRESSIVE [m]	38.88	39.88	40.45	42.03	42.62	43.65	44.67	45.70	47.74	48.76	50.00	50.98	51.83	52.85	53.88	54.90
DISTANZE PARZIALI [m]	1.00	0.57	1.58	0.59	1.03	1.02	1.02	2.04	1.02	1.24	0.97	0.85	1.02	1.03	1.02	
QUOTE [m s.l.m.m.]	18.60	18.60	18.64	18.82	18.85	18.77	18.73	18.65	18.68	18.75	18.75	18.78	18.85	19.16	19.43	19.49

SEZIONE 489

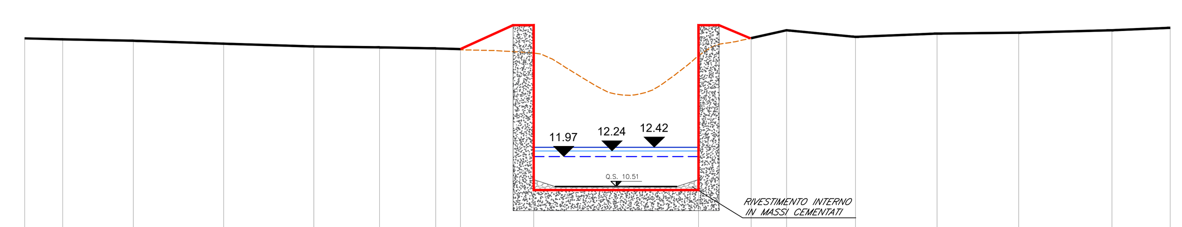


7.00 — 200 / 200

PICCHETTO	1	2	3	4	5	6	7	8	9	10	11	12	13
DISTANZE PROGRESSIVE [m]	0.00	3.57	6.12	8.21	10.18	12.15	14.08	16.16	18.42	20.31	21.47	23.23	31.23
DISTANZE PARZIALI [m]	3.57	2.55	2.09	1.97	1.97	1.92	2.08	2.26	1.89	0.58	2.33	8.00	2.41
QUOTE [m s.l.m.m.]	18.53	18.43	18.37	18.35	18.27	18.19	18.16	18.03	18.02	18.02	17.84	17.80 9.80	17.80 9.80

PICCHETTO	14	15	16	17	18	19	20	21	22	23	24	25	26	27
DISTANZE PROGRESSIVE [m]	33.64	34.89	36.15	36.94	39.02	40.06	41.70	42.41	43.18	44.22	44.92	45.92	47.34	48.51
DISTANZE PARZIALI [m]	1.25	1.25	0.80	2.08	1.04	1.63	0.72	0.77	1.04	0.70	1.00	1.42	1.18	
QUOTE [m s.l.m.m.]	18.36	18.34	18.39	18.44	18.56	18.60	18.77	18.86	18.93	18.75	18.65	18.59	18.58	18.61

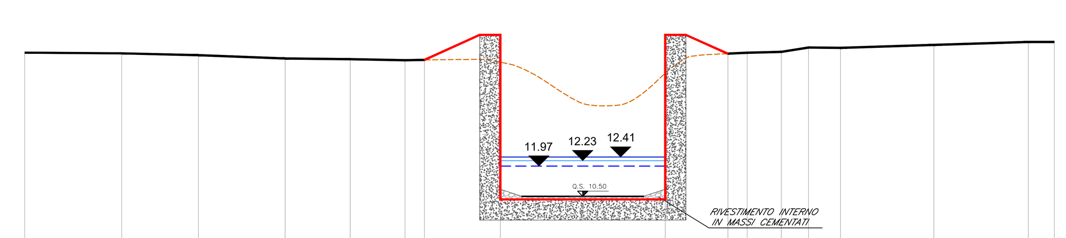
SEZIONE 458



5.00 — 200 / 200

PICCHETTO	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
DISTANZE PROGRESSIVE [m]	0.00	1.85	5.28	9.66	14.04	17.23	19.96	21.16	24.71	32.71	35.27	36.99	40.33	44.30	48.26	52.79	55.62
DISTANZE PARZIALI [m]	1.85	3.43	4.38	4.38	3.19	2.73	1.20	3.56	8.00	2.56	1.72	3.34	3.96	3.96	4.53	2.83	
QUOTE [m s.l.m.m.]	17.71	17.66	17.59	17.45	17.32	17.27	17.22	17.15	18.35 10.35	10.35 18.35	17.58	18.10	17.78	17.94	17.99	18.10	18.22

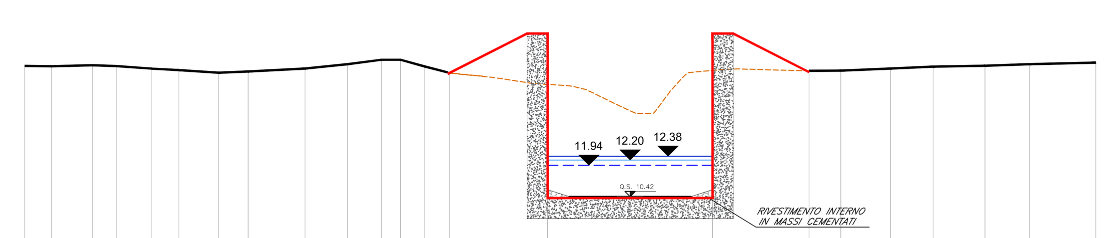
SEZIONE 453



5.00 — 200 / 200

PICCHETTO	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
DISTANZE PROGRESSIVE [m]	0.00	4.71	8.43	12.64	15.79	18.45	19.39	23.07	31.07	34.11	35.04	36.70	38.03	39.58	44.10	48.69	49.94
DISTANZE PARZIALI [m]	4.71	3.72	4.21	3.15	2.66	0.94	3.68	8.00	3.04	0.93	1.66	1.33	1.55	4.52	4.59	1.26	
QUOTE [m s.l.m.m.]	17.49	17.45	17.37	17.20	17.17	17.12	17.16	18.35 10.35	10.35 18.35	17.39	17.48	17.52	17.74	17.72	17.86	18.01	18.01

SEZIONE 421

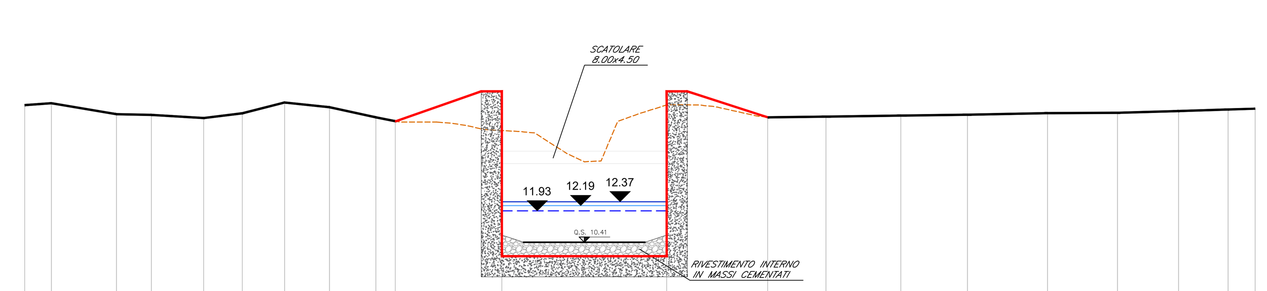


5.00 — 200 / 200

PICCHETTO	1	2	3	4	5	6	7	8	9	10	11	12
DISTANZE PROGRESSIVE [m]	0.00	1.30	3.29	4.46	6.16	7.48	9.41	10.84	13.60	15.67	17.32	18.23
DISTANZE PARZIALI [m]	1.30	1.99	1.17	1.70	1.32	1.93	1.43	2.77	2.06	1.65	0.92	1.17
QUOTE [m s.l.m.m.]	16.78	16.76	16.81	16.77	16.65	16.57	16.45	16.51	16.65	16.86	17.08	17.08

PICCHETTO	13	14	15	16	17	18	19	20	21	22	23
DISTANZE PROGRESSIVE [m]	19.40	20.62	25.37	33.37	38.05	39.59	42.00	44.07	46.59	48.75	51.96
DISTANZE PARZIALI [m]	1.21	4.75	8.00	4.68	1.54	2.42	2.07	2.51	2.16	3.22	
QUOTE [m s.l.m.m.]	16.75	16.44	18.35 10.35	10.35 18.35	16.54	16.55	16.65	16.75	16.79	16.86	16.94

SEZIONE 416.13

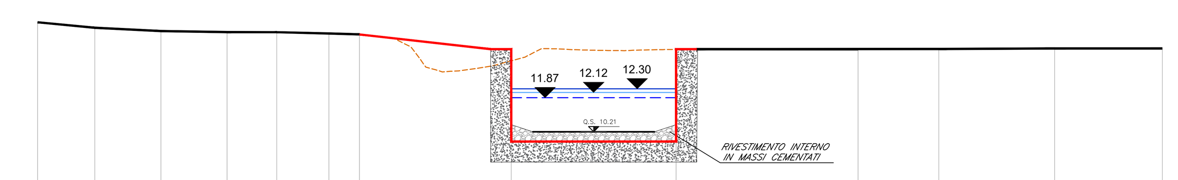


5.00 — 200 / 200

PICCHETTO	1	2	3	4	5	6	7	8	9	10	11
DISTANZE PROGRESSIVE [m]	0.00	1.30	4.46	6.15	8.69	10.56	12.61	14.80	17.04	17.98	23.16
DISTANZE PARZIALI [m]	1.30	3.16	1.69	2.54	1.87	2.06	2.18	2.25	0.94	5.17	8.00
QUOTE [m s.l.m.m.]	17.06	17.16	16.62	16.59	16.44	16.67	17.19	16.96	16.47	16.23	17.73 9.73

PICCHETTO	12	13	14	15	16	17	18	19	20	21
DISTANZE PROGRESSIVE [m]	31.16	36.06	38.89	42.52	45.76	49.64	53.03	55.99	58.40	59.72
DISTANZE PARZIALI [m]	4.90	2.83	3.64	3.23	3.88	3.39	2.96	2.41	1.32	
QUOTE [m s.l.m.m.]	9.73 17.73	16.47	16.51	16.55	16.60	16.68	16.69	16.78	16.85	16.89

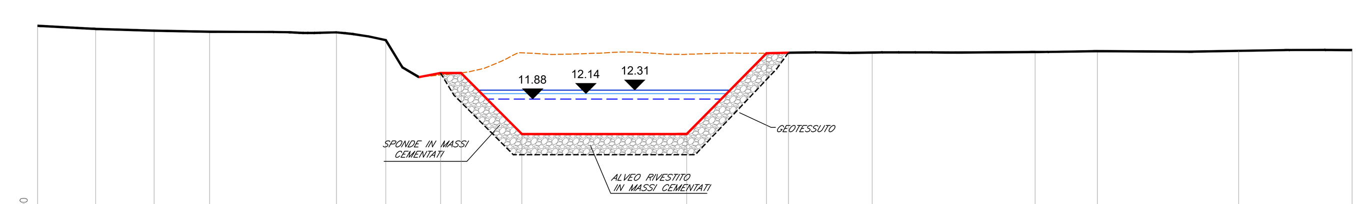
SEZIONE 338



5.00 — 200 / 200

PICCHETTO	1	2	3	4	5	6	7	8	9	10	11	12	13
DISTANZE PROGRESSIVE [m]	0.00	2.77	5.99	9.20	11.61	14.14	15.63	22.99	30.99	39.83	43.74	49.36	54.58
DISTANZE PARZIALI [m]	2.77	3.21	3.21	2.41	2.53	1.48	7.36	8.00	8.84	3.92	5.62	5.22	
QUOTE [m s.l.m.m.]	15.54	15.27	15.11	15.06	15.05	14.99	14.95	14.23 9.73	9.73 14.23	14.22	14.24	14.26	14.26

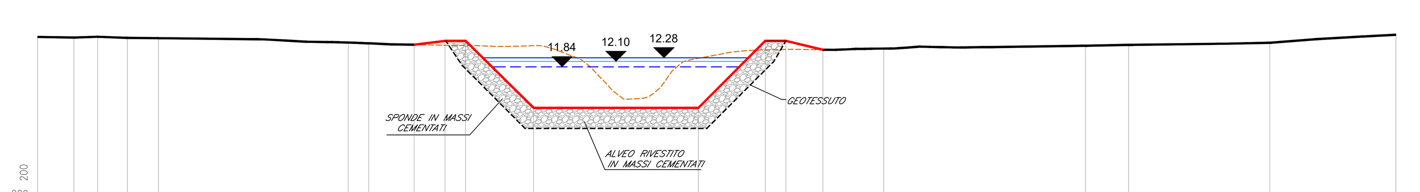
SEZIONE 330



5.00 — 200 / 200

PICCHETTO	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
DISTANZE PROGRESSIVE [m]	0.00	2.82	5.66	8.35	14.50	16.90	19.55	20.55	23.50	31.50	35.37	36.44	40.50	48.41	51.44	58.30	63.80
DISTANZE PARZIALI [m]	2.82	2.84	2.69	6.15	2.40	2.65	1.00	2.95	8.00	3.87	1.07	4.06	7.91	3.03	6.86	5.50	
QUOTE [m s.l.m.m.]	15.43	15.28	15.19	15.14	15.11	14.74	13.14	13.14	10.19	10.19	14.10	14.10	14.13	14.16	14.20	14.20	14.20

SEZIONE 200

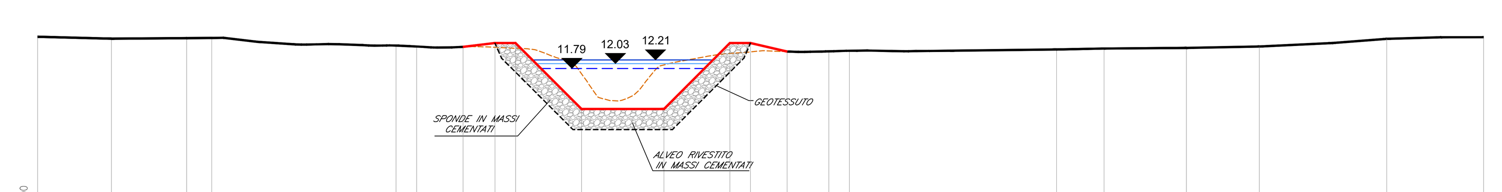


5.00 — 200 / 200

PICCHETTO	1	2	3	4	5	6	7	8	9	10	11
DISTANZE PROGRESSIVE [m]	0.00	1.76	2.92	4.36	5.86	15.08	16.08	18.28	19.78	20.78	24.08
DISTANZE PARZIALI [m]	1.76	1.16	1.44	1.50	9.22	1.00	2.20	1.50	1.00	3.30	8.00
QUOTE [m s.l.m.m.]	13.29	13.26	13.30	13.24	13.23	13.02	12.98	12.91	13.10	13.10	9.85

PICCHETTO	12	13	14	15	16		17	18	19	20
DISTANZE PROGRESSIVE [m]	32.08	35.33	36.33	38.12	41.08	46.14	50.88	52.96	59.82	65.94
DISTANZE PARZIALI [m]	3.25	1.00	1.79	2.96	5.06	4.74	2.08	6.86	6.12	
QUOTE [m s.l.m.m.]	9.85	13.10	13.10	12.67	17.85	12.79	12.81	12.90	13.00	13.39

SEZIONE 190.46

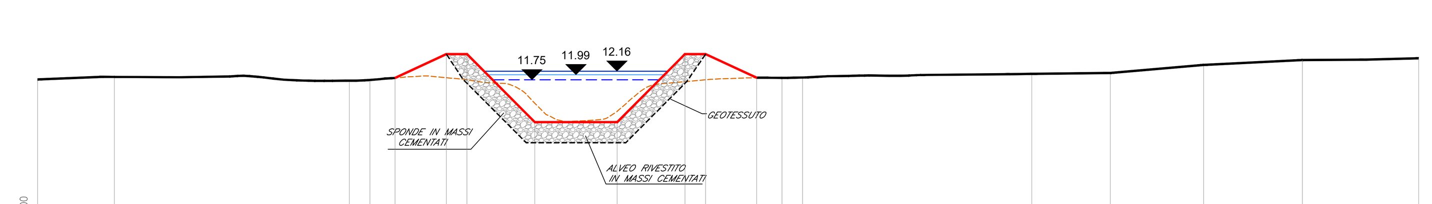


4.00 — 200 / 200

PICCHETTO	1	2	3	4	5	6	7	8	9	10	11
DISTANZE PROGRESSIVE [m]	0.00	3.58	7.23	8.45	17.39	18.39	20.64	22.19	23.19	26.39	30.39
DISTANZE PARZIALI [m]	3.58	3.65	1.22	8.94	1.00	2.25	1.55	1.00	3.20	4.00	3.20
QUOTE [m s.l.m.m.]	13.33	13.24	13.27	13.28	12.90	12.86	12.84	13.03	13.03	9.83	9.83

PICCHETTO	12	13	14	15	16	17	18	19	20	21	22
DISTANZE PROGRESSIVE [m]	33.59	34.59	36.37	38.39	39.39	49.44	51.74	55.74	59.28	65.46	70.16
DISTANZE PARZIALI [m]	1.00	1.78	2.02	1.00	10.05	2.30	3.99	3.54	6.18	4.70	
QUOTE [m s.l.m.m.]	13.03	13.03	13.61	12.63	12.65	12.69	12.76	12.79	12.79	12.79	12.79

SEZIONE 138.5

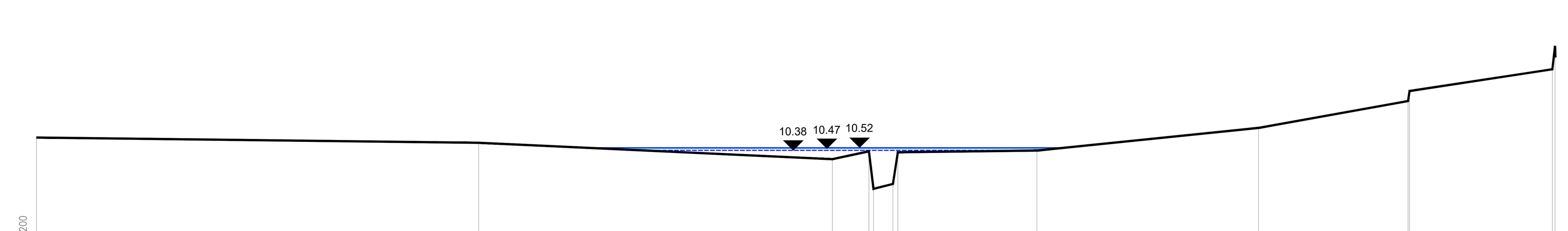


4.00 — 200 / 200

PICCHETTO	1	2	3	4	5	6	7	8	9	10
DISTANZE PROGRESSIVE [m]	0.00	3.72	15.13	16.13	17.35	19.84	20.84	24.13	28.13	31.42
DISTANZE PARZIALI [m]	3.72	11.41	1.00	1.22	2.49	1.00	3.29	4.00	3.29	1.00
QUOTE [m s.l.m.m.]	11.76	11.89	11.70	11.74	11.84	13.66	13.66	9.70	9.70	13.66

PICCHETTO	11	12	13	14	15	16	17	18	19
DISTANZE PROGRESSIVE [m]	32.42	34.90	36.13	37.13	48.25	52.06	56.59	61.39	67.03
DISTANZE PARZIALI [m]	2.48	1.23	1.00	11.12	3.81	4.52	4.80	5.64	
QUOTE [m s.l.m.m.]	13.66	11.85	11.84	11.86	12.02	12.08	12.47	12.47	12.47

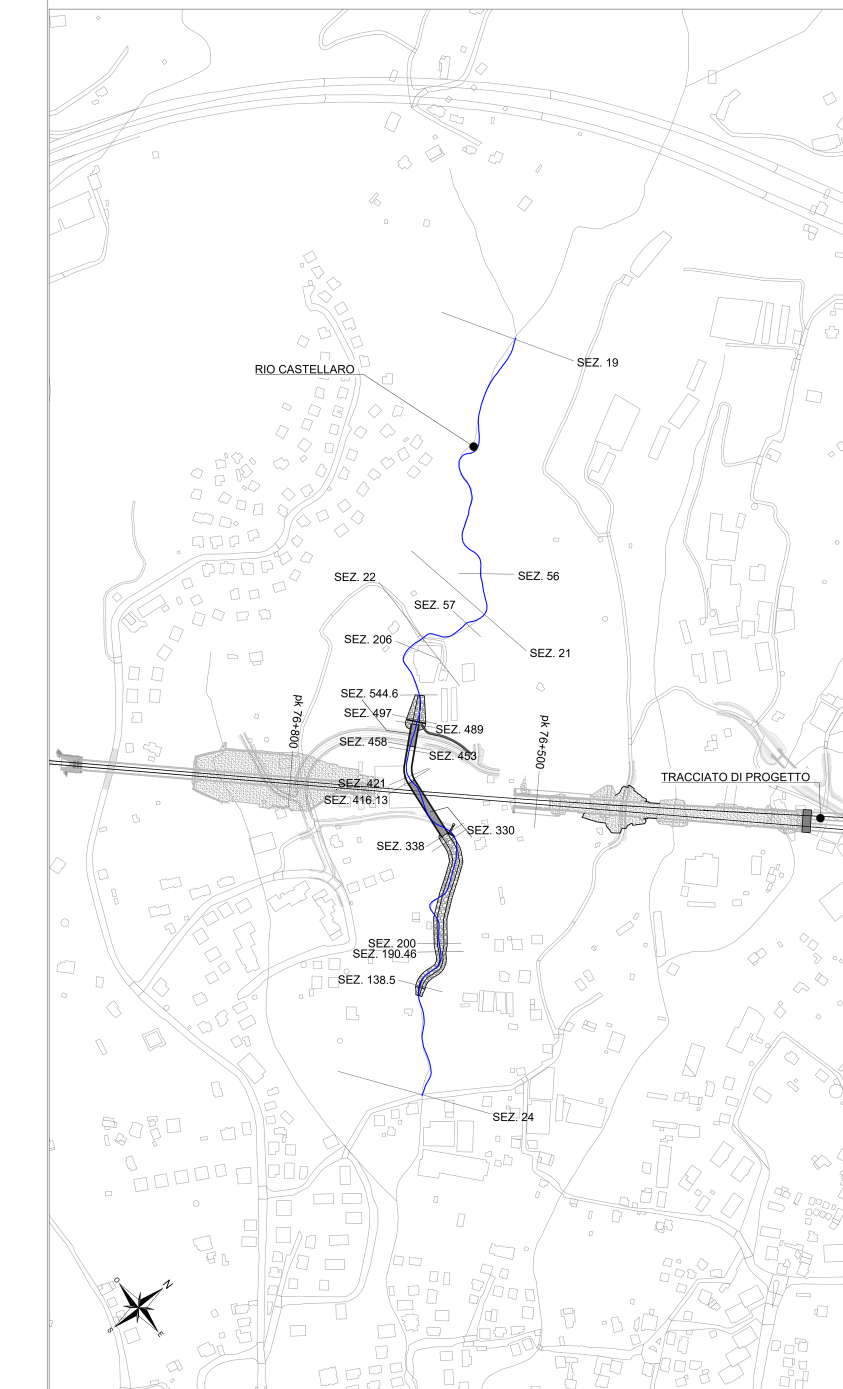
SEZIONE 24



5.00 — 200 / 500

PICCHETTO	1	2	3	4	5	6	7	8	9	10	11	12	13
DISTANZE PROGRESSIVE [m]	0.00	55.33	99.58	104.17	104.74	107.17	107.78	125.19	152.90	171.62	171.81	189.67	190.01
DISTANZE PARZIALI [m]	55.33	44.25	4.59	0.57	2.43	0.61	17.41	27.72	18.71	0.20	17.86	0.34	
QUOTE [m s.l.m.m.]	11.03	10.77	9.94	10.34	8.46	8.70	10.29	10.38	11.51	12.86	13.36	14.45	15.62

KEY PLAN Scala – 1:5.000



LEGENDA

x.xx (linea continua blu)	LIVELLO TR500
x.xx (linea continua azzurra)	LIVELLO TR200
x.xx (linea tratteggiata)	LIVELLO TR50
(linea tratteggiata arancione)	TERRENO ESISTENTE
(linea grigia)	SEZIONE
(linea rossa)	SISTEMAZIONE ALVEO DI PROGETTO
SEZIONE X	n° SEZIONE

COMMITTENTE:

RFI RETE FERROVIARIA ITALIANA GRUPPO FERROVIE DELLO STATO ITALIANE

PROGETTAZIONE:

ITALFERR GRUPPO FERROVIE DELLO STATO ITALIANE

U.O. PROGETTAZIONE INTEGRATA NORD

PROGETTO DEFINITIVO

RADDOPPIO DELLA LINEA GENOVA - VENTIMIGLIA

TRATTA FINALE LIGURE - ANDORA

ELABORATI DI IDROLOGIA E IDRAULICA

Rio Castellaro - pk 76+200
Sezioni significative con livelli idrici (Modello 1D) - Tr 50, 200, 500 anni - post operam

SCALA: varie

COMMESSA	LOTTO	FASE	ENTE	TIPO DOC.	OPERA/DISCIPLINA	PROGR.	REV.
IV0I	00	D	26	WZ	ID0102	002	A

Rev.	Descrizione	Redatto	Data	Verificato	Data	Approvato	Data	Autorizzato Data
A	Emissione esecutiva	D. Polverelli	Gen 2022	L. Barni	Gen 2022	G. Fadda	Gen 2022	A. Perego Gennaio 2022

File: IV0I00D26WZID0102002A.dwg — n. Elab.: X