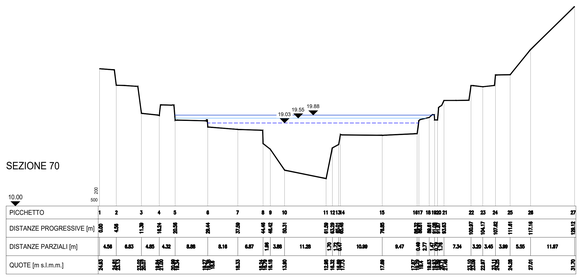
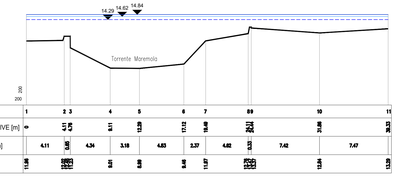
SEZIONE 70



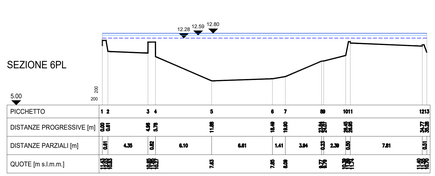
PICCHETTO	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
DISTANZE PROGRESSIVE [m]	0.00	9.00	18.00	27.00	36.00	45.00	54.00	63.00	72.00	81.00	90.00	99.00	108.00	117.00	126.00	135.00	144.00	153.00	162.00	171.00	180.00	189.00	198.00	207.00	216.00	225.00	236.32
DISTANZE PARZIALI [m]		9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	11.32
QUOTE [m s.l.m.m.]	14.62	14.51	15.09	15.26	15.24	15.24	15.24	15.24	15.24	15.24	15.24	15.24	15.24	15.24	15.24	15.24	15.24	15.24	15.24	15.24	15.24	15.24	15.24	15.24	15.24	15.24	15.76

SEZIONE 3PL



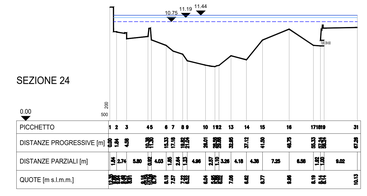
PICCHETTO	1	2	3	4	5	6	7	8	9	10	11
DISTANZE PROGRESSIVE [m]	0.00	4.11	8.45	12.79	16.97	21.12	25.46	29.80	34.14	38.33	42.67
DISTANZE PARZIALI [m]		4.11	4.34	4.34	4.18	4.15	4.34	4.34	4.34	4.19	4.34
QUOTE [m s.l.m.m.]	14.29	14.60	14.84	14.84	14.84	14.84	14.84	14.84	14.84	14.84	14.84

SEZIONE 6PL



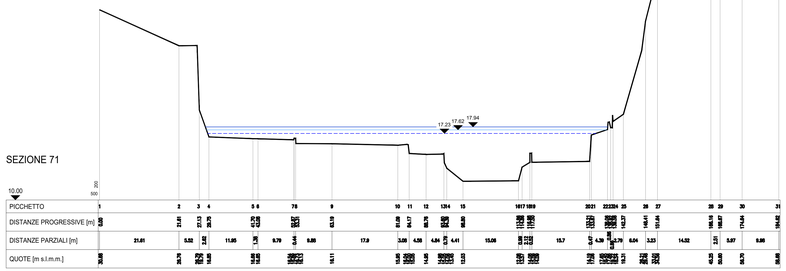
PICCHETTO	1	2	3	4	5	6	7	8	9	10	11	12	13
DISTANZE PROGRESSIVE [m]	0.00	5.29	10.45	15.74	26.84	37.94	49.04	60.14	71.24	82.34	93.44	104.54	115.64
DISTANZE PARZIALI [m]		5.29	5.16	5.29	11.10	11.10	11.10	11.10	11.10	11.10	11.10	11.10	11.10
QUOTE [m s.l.m.m.]	12.29	12.59	12.80	12.80	12.80	12.80	12.80	12.80	12.80	12.80	12.80	12.80	12.80

SEZIONE 24



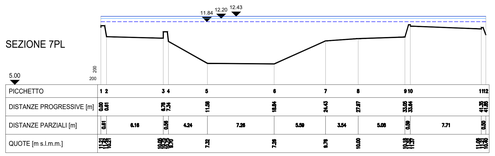
PICCHETTO	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
DISTANZE PROGRESSIVE [m]	0.00	3.74	8.80	12.80	17.45	21.51	25.57	29.63	33.69	37.75	41.81	45.87	49.93	53.99	58.05	62.11	66.17	70.23	74.29	78.35	87.29
DISTANZE PARZIALI [m]		3.74	5.06	4.00	4.65	4.06	4.06	4.06	4.06	4.06	4.06	4.06	4.06	4.06	4.06	4.06	4.06	4.06	4.06	4.06	8.94
QUOTE [m s.l.m.m.]	10.77	11.33	11.44	11.44	11.44	11.44	11.44	11.44	11.44	11.44	11.44	11.44	11.44	11.44	11.44	11.44	11.44	11.44	11.44	11.44	10.77

SEZIONE 71



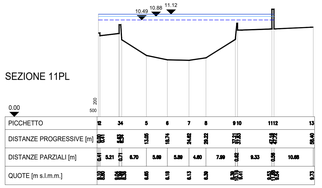
PICCHETTO	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
DISTANZE PROGRESSIVE [m]	0.00	21.81	21.81	27.33	27.33	39.28	39.28	43.61	43.61	61.53	61.53	65.39	65.39	69.80	69.80	74.21	74.21	89.27	89.27	104.33	104.33	119.39	119.39	134.45	134.45	149.51	149.51	164.57	164.57	179.63	194.69
DISTANZE PARZIALI [m]		21.81	0.00	5.52	0.00	11.95	0.00	4.33	0.00	17.92	0.00	3.86	0.00	4.41	0.00	4.41	0.00	15.06	0.00	15.06	0.00	15.06	0.00	15.06	0.00	15.06	0.00	15.06	0.00	15.06	15.06
QUOTE [m s.l.m.m.]	26.66	26.66	26.79	26.79	26.82	26.82	26.82	26.82	26.82	26.82	26.82	26.82	26.82	26.82	26.82	26.82	26.82	26.82	26.82	26.82	26.82	26.82	26.82	26.82	26.82	26.82	26.82	26.82	26.82	26.82	26.82

SEZIONE 7PL



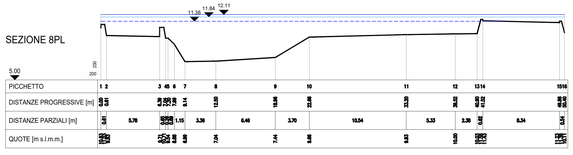
PICCHETTO	1	2	3	4	5	6	7	8	9	10	11	12
DISTANZE PROGRESSIVE [m]	0.00	6.18	10.52	15.70	26.98	38.26	49.54	60.82	72.10	83.38	94.66	105.94
DISTANZE PARZIALI [m]		6.18	4.34	5.18	11.28	11.28	11.28	11.28	11.28	11.28	11.28	11.28
QUOTE [m s.l.m.m.]	11.84	12.29	12.43	12.43	12.43	12.43	12.43	12.43	12.43	12.43	12.43	12.43

SEZIONE 11PL



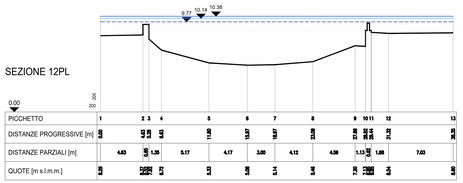
PICCHETTO	1	2	3	4	5	6	7	8	9	10	11	12	13
DISTANZE PROGRESSIVE [m]	0.00	5.21	10.91	15.70	26.58	37.46	48.34	59.22	70.10	80.98	91.86	102.74	113.62
DISTANZE PARZIALI [m]		5.21	5.70	4.79	10.88	10.88	10.88	10.88	10.88	10.88	10.88	10.88	10.88
QUOTE [m s.l.m.m.]	10.47	10.86	11.12	11.12	11.12	11.12	11.12	11.12	11.12	11.12	11.12	11.12	11.12

SEZIONE 8PL



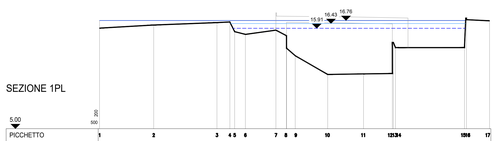
PICCHETTO	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
DISTANZE PROGRESSIVE [m]	0.00	5.78	6.93	8.08	11.78	15.48	19.18	22.88	33.42	43.96	54.50	65.04	75.58	86.12	96.66	107.20
DISTANZE PARZIALI [m]		5.78	1.15	1.15	3.70	3.70	3.70	3.70	10.54	10.54	10.54	10.54	10.54	10.54	10.54	10.54
QUOTE [m s.l.m.m.]	11.38	11.84	11.84	11.84	12.11	12.11	12.11	12.11	12.11	12.11	12.11	12.11	12.11	12.11	12.11	12.11

SEZIONE 12PL



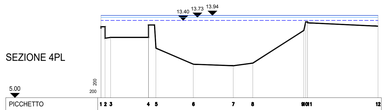
PICCHETTO	1	2	3	4	5	6	7	8	9	10	11	12	13
DISTANZE PROGRESSIVE [m]	0.00	4.63	9.98	15.15	20.32	25.49	30.66	35.83	41.00	46.17	51.34	56.51	63.54
DISTANZE PARZIALI [m]		4.63	5.35	5.17	5.17	5.17	5.17	5.17	5.17	5.17	5.17	5.17	7.03
QUOTE [m s.l.m.m.]	8.77	10.14	10.28	10.28	10.28	10.28	10.28	10.28	10.28	10.28	10.28	10.28	10.28

SEZIONE 1PL



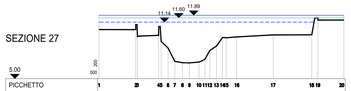
PICCHETTO	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
DISTANZE PROGRESSIVE [m]	0.00	14.74	29.92	34.74	38.66	47.99	56.80	61.62	69.62	77.78	92.52	107.26	122.00	136.74	151.48	166.22	180.96
DISTANZE PARZIALI [m]		14.74	15.18	4.82	3.92	9.33	8.81	4.82	8.00	8.16	14.74	14.74	14.74	14.74	14.74	14.74	14.74
QUOTE [m s.l.m.m.]	15.91	16.43	16.70	16.70	16.70	16.70	16.70	16.70	16.70	16.70	16.70	16.70	16.70	16.70	16.70	16.70	16.70

SEZIONE 4PL



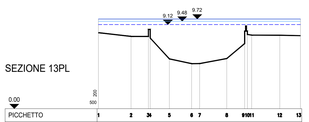
PICCHETTO	1	2	3	4	5	6	7	8	9	10	11	12
DISTANZE PROGRESSIVE [m]	0.00	4.11	8.45	12.79	16.97	21.12	25.46	29.80	34.14	38.33	42.67	50.11
DISTANZE PARZIALI [m]		4.11	4.34	4.34	4.18	4.15	4.34	4.34	4.34	4.19	4.34	7.44
QUOTE [m s.l.m.m.]	13.40	13.73	13.94	13.94	13.94	13.94	13.94	13.94	13.94	13.94	13.94	13.77

SEZIONE 27



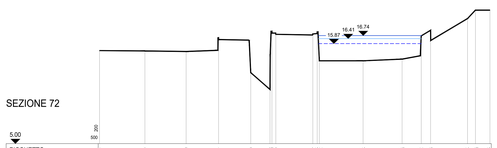
PICCHETTO	1	20	45	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
DISTANZE PROGRESSIVE [m]	0.00	10.01	10.73	15.58	19.70	23.82	27.94	32.06	36.18	40.30	44.42	48.54	52.66	56.78	61.25	71.72	82.19	92.66
DISTANZE PARZIALI [m]		10.01	0.72	4.85	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.47	10.47	10.47	10.47
QUOTE [m s.l.m.m.]	11.14	11.14	11.60	11.60	11.60	11.60	11.60	11.60	11.60	11.60	11.60	11.60	11.60	11.60	11.89	11.89	11.89	11.89

SEZIONE 13PL



PICCHETTO	1	2	24	5	6	7	8	91011	12	13
DISTANZE PROGRESSIVE [m]	0.00	8.87	13.60	18.77	23.94	29.11	34.28	39.45	44.62	49.79
DISTANZE PARZIALI [m]		8.87	4.73	5.17	5.17	5.17	5.17	5.17	5.17	5.17
QUOTE [m s.l.m.m.]	9.12	9.48	9.72	9.72	9.72	9.72	9.72	9.72	9.72	9.72

SEZIONE 72

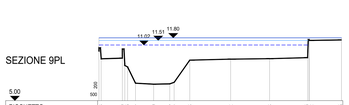


PICCHETTO	1	2	3	4	5	67	8	9101	12	13	14	15	16	17	18
DISTANZE PROGRESSIVE [m]	0.00	13.34	24.53	29.27	41.11	52.95	64.79	76.63	81.25	85.87	90.49	95.11	99.73	104.35	108.72
DISTANZE PARZIALI [m]		13.34	11.19	4.74	11.84	11.84	11.84	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.37
QUOTE [m s.l.m.m.]	15.87	16.41	16.74	16.74	16.74	16.74	16.74	16.74	16.74	16.74	16.74	16.74	16.74	16.74	16.74

SEZIONE 5PL

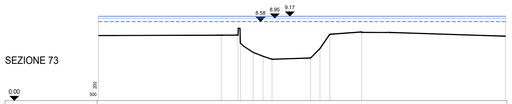
PICCHETTO	1	23	4	5	6	7	8	9	101112	13	14
DISTANZE PROGRESSIVE [m]	0.00	4.82	8.70	10.45	12.68	17.28	21.86	25.73	29.60	31.22	40.61
DISTANZE PARZIALI [m]		4.82	3.88	1.75	2.23	4.60	4.58	3.87	3.87	1.62	9.39
QUOTE [m s.l.m.m.]	12.85	13.16	13.37	13.37	13.37	13.37	13.37	13.37	13.37	13.37	13.37

SEZIONE 9PL



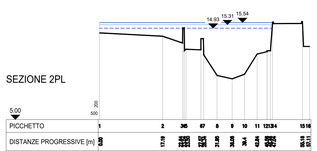
PICCHETTO	12	245	6	7	8	9	10	11	12	1314	15
DISTANZE PROGRESSIVE [m]	0.00	4.58	10.32	14.92	19.52	24.12	28.72	39.83	50.94	56.72	66.40
DISTANZE PARZIALI [m]		4.58	5.74	4.60	4.60	4.60	4.60	11.11	11.11	5.78	9.68
QUOTE [m s.l.m.m.]	11.01	11.61	11.80	11.80	11.80	11.80	11.80	11.80	11.80	11.80	11.80

SEZIONE 73



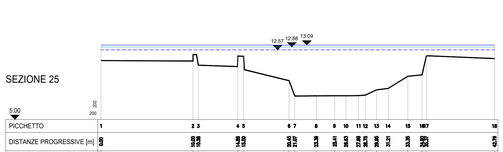
PICCHETTO	1	2	34	5	6	7	8	9	10	11	12
DISTANZE PROGRESSIVE [m]	0.00	33.26	38.06	42.86	47.66	52.46	57.27	62.07	66.87	74.06	110.68
DISTANZE PARZIALI [m]		33.26	4.80	4.80	4.80	4.80	4.80	4.80	4.80	7.19	36.62
QUOTE [m s.l.m.m.]	8.56	9.00	9.17	9.17	9.17	9.17	9.17	9.17	9.17	9.17	9.17

SEZIONE 2PL



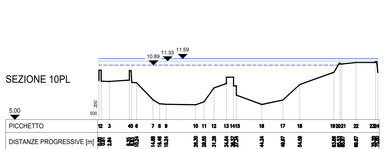
PICCHETTO	1	2	365	47	8	9	10	11	121314	1516
DISTANZE PROGRESSIVE [m]	0.00	17.19	22.73	27.53	31.65	36.05	40.45	44.85	49.25	55.11
DISTANZE PARZIALI [m]		17.19	5.46	4.80	4.12	4.40	4.40	4.40	4.40	5.86
QUOTE [m s.l.m.m.]	14.42	14.93	15.31	15.54	15.54	15.54	15.54	15.54	15.54	15.54

SEZIONE 25



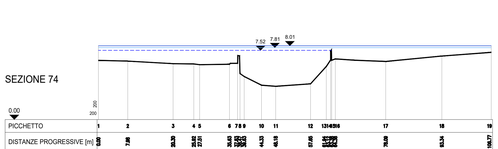
PICCHETTO	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	1617	18
DISTANZE PROGRESSIVE [m]	0.00	10.00	14.30	19.10	23.95	28.80	33.65	38.50	43.35	48.20	53.05	57.90	62.75	67.60	72.46	77.32	82.18
DISTANZE PARZIALI [m]		10.00	4.30	4.80	4.85	4.85	4.85	4.85	4.85	4.85	4.85	4.85	4.85	4.85	4.86	4.86	4.86
QUOTE [m s.l.m.m.]	12.57	12.88	13.09	13.09	13.09	13.09	13.09	13.09	13.09	13.09	13.09	13.09	13.09	13.09	13.09	13.09	13.09

SEZIONE 10PL



PICCHETTO	12	3	456	7	8	9	10	11	12	13	1415	16	17	18	19	2021	22	2324
DISTANZE PROGRESSIVE [m]	0.00	5.42	10.86	14.90	19.34	23.78	28.22	32.66	37.10	41.54	45.98	50.42	54.86	59.30	63.74	68.18	72.62	77.06
DISTANZE PARZIALI [m]		5.42	5.44	4.04	4.44	4.44	4.44	4.44	4.44	4.44	4.44	4.44	4.44	4.44	4.44	4.44	4.44	4.44
QUOTE [m s.l.m.m.]	10.89	11.32	11.59	11.59	11.59	11.59	11.59	11.59	11.59	11.59	11.59	11.59	11.59	11.59	11.59	11.59	11.59	11.59

SEZIONE 74

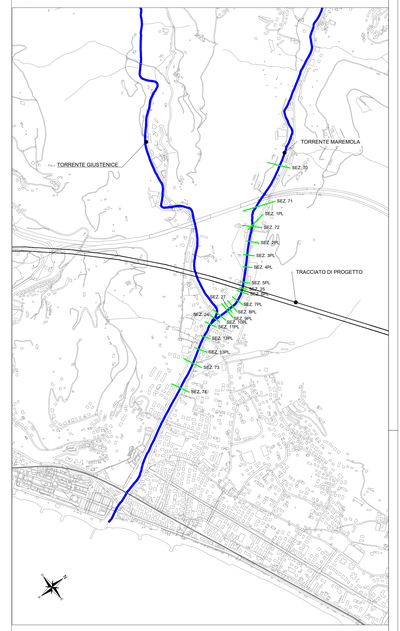


PICCHETTO	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
DISTANZE PROGRESSIVE [m]	0.00	7.98	21.30	26.93	32.56	38.19	43.82	49.45	55.08	60.71	66.34	71.97	77.60	83.23	88.86	94.49	100.12	105.75	111.38
DISTANZE PARZIALI [m]		7.98	13.32	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63
QUOTE [m s.l.m.m.]	7.52	7.81	8.01	8.01	8.01	8.01	8.01	8.01	8.01	8.01	8.01	8.01	8.01	8.01	8.01	8.01	8.01	8.01	8.01

SEZIONE 3

PICCHETTO	1	2	3	4	5	6	7	8	9	10	11
DISTANZE PROGRESSIVE [m]	0.00	4.11	8.45	12.79	16.97	21.12	25.46	29.80	34.14	38.33	42.67
DISTANZE PARZIALI [m]		4.11	4.34	4.34	4.18	4.15	4.34	4.34	4.34	4.19	4.34
QUOTE [m s.l.m.m.]	14.29	14.60	14.84	14.84	14.84	14.84	14.84	14.84	14.84	14.84	14.84

KEY PLAN Scala — 1:10.000



LEGENDA

- LIVELLO TR500
- LIVELLO TR200
- LIVELLO TR50
- SEZIONE X — n.° SEZIONE

COMMITTENTE: RFI RETE FERROVIARIA ITALIANA — GRUPPO FERROVIE DELLO STATO ITALIANE

PROGETTAZIONE: ITALFERR — GRUPPO FERROVIE DELLO STATO ITALIANE

U.O. OPERE CIVILI

PROGETTO DEFINITIVO

RADDOPPIO DELLA LINEA GENOVA - VENTIMIGLIA

TRATTA FINALE LIGURE - ANDORA

ELABORATI DI IDROLOGIA E IDRAULICA

Torrente Maremola e Giustenice - pk 71+000
Sezioni significative con livelli idrici (Modello 2D) - Tr 50, 200, 500 anni - Torrente Maremola - ante operam

SCALA: varie

COMMESSA	LOTTO	FASE	ENTE	TIPO DOC.	OPERA/DISCIPLINA	PROGR.	REV.
I V 0 I	0 0	D	0 9	W Z	I D 0 0 0 2	0 0 1	A

Rev.	Descrizione	Redatto	Data	Verificato	Data	Approvato	Data	Autorizzato Data
A	Emissione esecutiva	C. Polverelli	Nov 2021	L. Caputi	Nov 2021	A. Ferrari	Nov 2021	A. Ferrari 30/11/2021

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