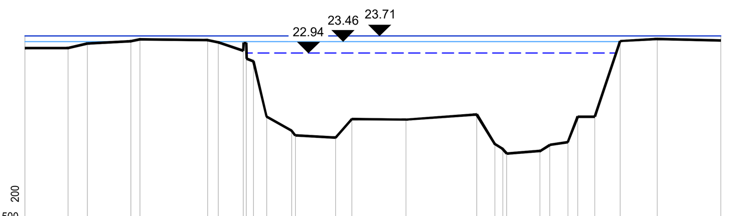
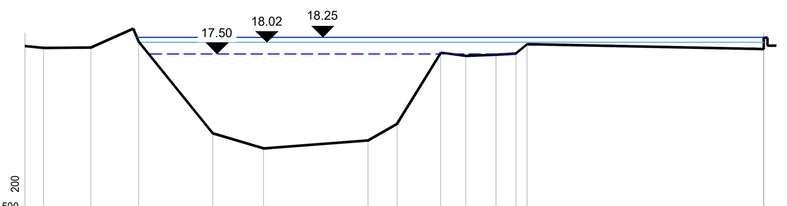
SEZIONE 56



15.00 — 200 / 500

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
DISTANZE PROGRESSIVE [m]	0.00 4.81 6.98 11.84 12.86 20.44 21.65 24.45 24.74 25.57 27.03 29.83 30.26 34.75 36.58 42.62 50.54 52.55 53.45 53.90 57.63 58.71 60.72 61.84 63.74 66.59 70.73 77.84
DISTANZE PARZIALI [m]	4.81 2.17 4.86 1.02 7.58 1.21 2.80 0.29 0.83 1.46 2.80 0.43 4.49 1.84 6.04 7.92 2.01 0.90 0.45 3.72 1.09 2.01 1.12 1.90 2.85 4.14 7.12
QUOTE [m s.l.m.m.]	23.18 23.17 23.38 23.48 23.57 23.53 23.43 23.06 23.40 22.70 22.58 20.12 19.49 19.27 19.18 20.01 19.98 20.21 18.91 18.67 18.47 18.58 18.86 18.97 20.12 20.12 23.49 23.58 23.52

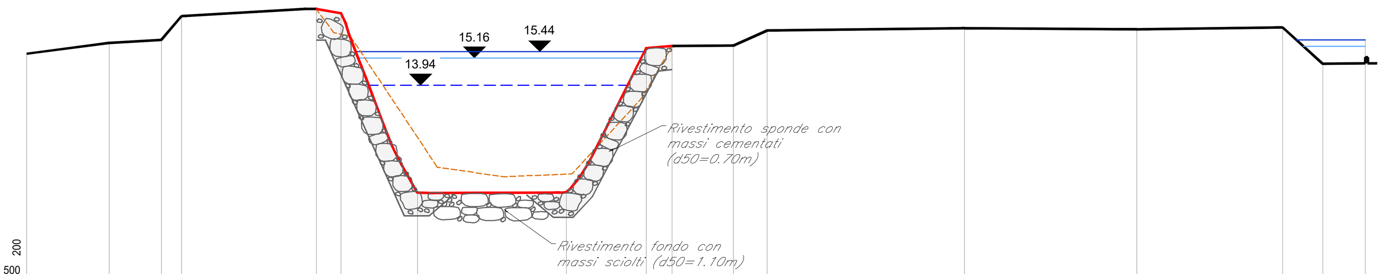
SEZIONE 79LN



10.00 — 200 / 500

PICCHETTO	1 2 3 4 5 6 7 8 9 10 11 12 13 14
DISTANZE PROGRESSIVE [m]	0.00 2.09 7.35 12.71 21.00 26.69 38.35 41.61 46.49 49.29 52.65 54.88 56.15 82.59
DISTANZE PARZIALI [m]	2.09 5.26 5.36 8.29 5.69 11.66 3.26 4.88 2.80 3.35 2.23 1.27 26.44
QUOTE [m s.l.m.m.]	17.85 17.77 17.79 18.05 13.95 13.26 13.62 14.37 17.56 17.41 17.46 17.52 17.94 18.22 17.72

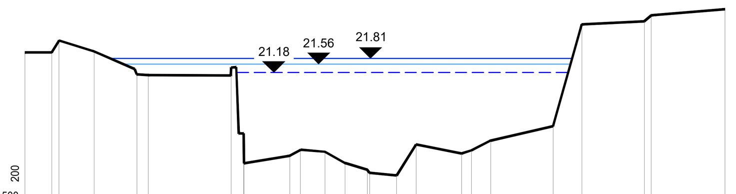
SEZIONE 85LN



5.00 — 200 / 500

PICCHETTO	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
DISTANZE PROGRESSIVE [m]	0.00 9.20 15.05 17.31 32.35 35.13 43.68 60.28 69.21 72.12 78.99 82.76 104.82 124.07 140.37 144.84 149.59
DISTANZE PARZIALI [m]	9.20 5.85 2.27 15.04 2.78 8.55 16.60 8.93 2.91 6.87 3.77 22.06 19.26 16.29 4.47 4.75
QUOTE [m s.l.m.m.]	15.35 15.83 15.97 17.03 17.35 17.08 9.12 9.97 15.60 15.69 15.71 16.39 16.49 16.44 16.52 14.89 14.93

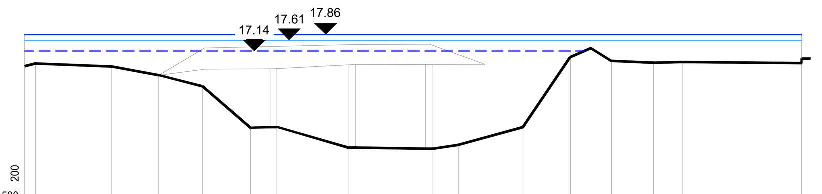
SEZIONE 55



15.00 — 200 / 500

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
DISTANZE PROGRESSIVE [m]	0.00 3.00 3.82 7.74 12.51 13.82 23.02 24.49 29.65 30.83 33.56 35.81 38.29 38.54 41.57 43.76 48.84 49.97 52.11 59.07 62.29 69.30 70.06 78.30
DISTANZE PARZIALI [m]	3.00 0.82 3.92 4.77 1.31 9.2 1.47 5.16 1.18 2.74 2.25 2.48 0.25 3.03 2.19 5.08 1.13 2.14 6.97 3.22 7.00 0.77 8.24
QUOTE [m s.l.m.m.]	22.08 22.08 22.62 22.13 21.10 21.07 21.05 21.41 18.46 17.13 17.47 17.73 17.64 17.14 16.84 16.70 16.59 17.97 17.57 17.71 18.15 18.79 23.34 23.48 23.74 24.02

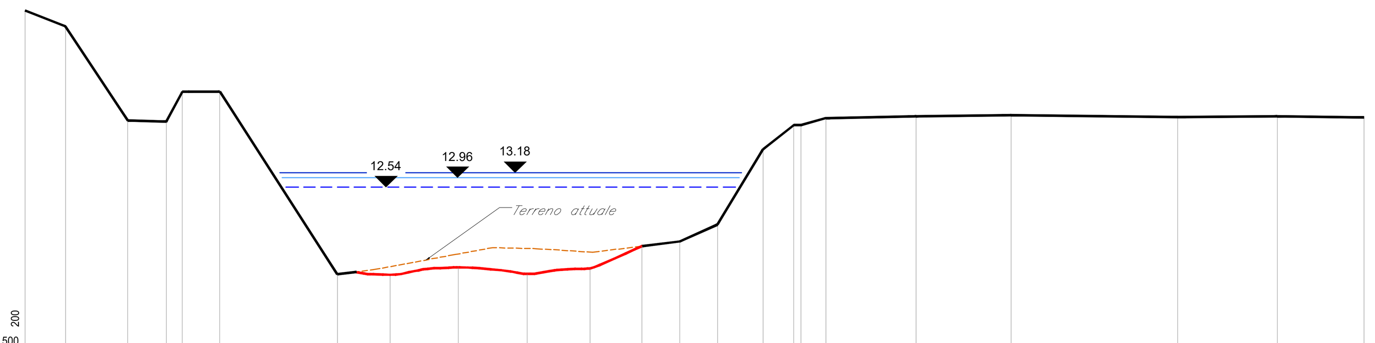
SEZIONE 80LN



10.00 — 200 / 500

PICCHETTO	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
DISTANZE PROGRESSIVE [m]	0.00 1.18 9.75 14.99 19.84 25.21 28.21 36.14 45.63 48.45 55.69 60.98 65.59 70.29 73.57 86.84
DISTANZE PARZIALI [m]	1.18 8.57 5.24 4.85 5.37 3.00 7.93 9.49 2.82 7.24 5.29 4.61 4.69 3.28 13.27
QUOTE [m s.l.m.m.]	16.46 16.57 16.45 16.06 15.57 13.71 13.74 12.82 12.77 12.94 13.74 16.87 16.69 16.61 16.65 16.80

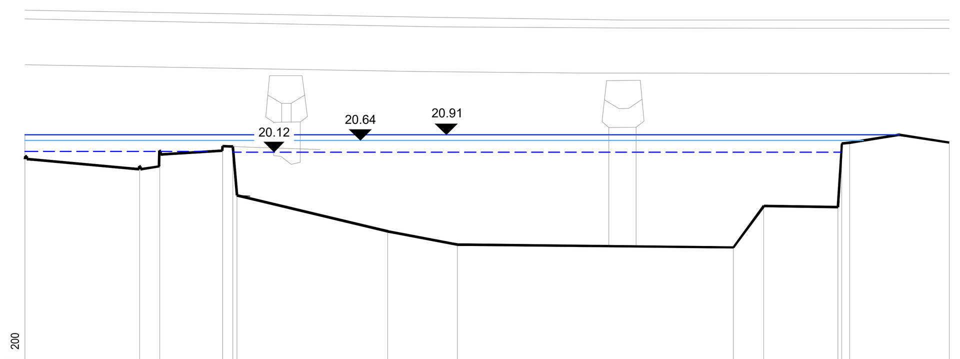
SEZIONE 86LN



5.00 — 200 / 500

PICCHETTO	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
DISTANZE PROGRESSIVE [m]	0.00 4.51 11.48 15.77 17.57 21.75 34.90 40.80 48.43 56.13 63.16 68.96 73.18 77.39 82.48 85.94 86.74 89.52 99.59 110.22 128.82 139.99 149.66
DISTANZE PARZIALI [m]	4.51 6.97 4.28 1.80 4.18 13.15 5.90 7.63 7.70 7.03 5.80 4.22 4.22 5.09 3.46 0.80 2.78 10.07 10.64 18.6 11.17 9.67
QUOTE [m s.l.m.m.]	20.44 19.72 15.51 15.47 16.81 16.81 8.64 8.62 8.95 8.66 8.91 9.90 10.11 10.87 14.23 15.31 15.31 15.63 15.71 15.76 15.67 15.70 15.66

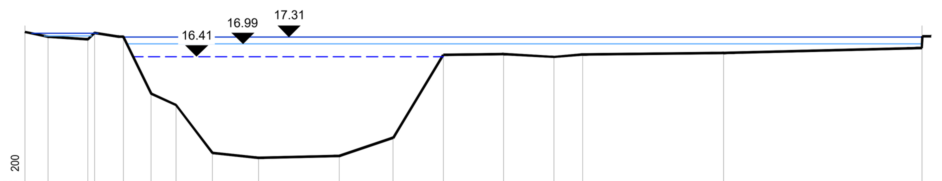
SEZIONE 54



10.00 — 200 / 500

PICCHETTO	1 2 3 4 5 6 7 8 9 10 11 12 13 14
DISTANZE PROGRESSIVE [m]	0.00 12.75 15.01 22.05 23.24 23.71 40.55 48.32 79.20 82.60 90.87 91.32 92.17 103.31
DISTANZE PARZIALI [m]	12.75 2.26 6.87 1.19 0.47 16.84 7.77 30.88 3.40 8.26 0.46 0.85 11.14
QUOTE [m s.l.m.m.]	19.81 19.36 19.48 19.35 19.48 20.17 20.01 20.18 20.38 18.19 16.57 15.98 15.85 17.71 17.65 20.50 20.54 20.54

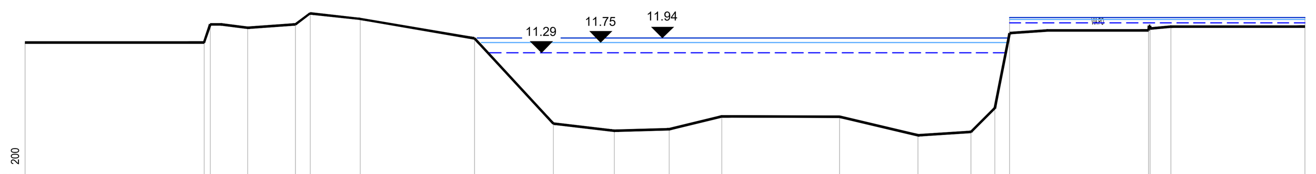
SEZIONE 81LN



10.00 — 200 / 500

PICCHETTO	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
DISTANZE PROGRESSIVE [m]	0.00 2.56 7.04 7.78 10.49 10.99 14.11 16.89 20.96 26.10 35.11 41.15 46.77 53.52 59.14 62.36 78.10 100.26
DISTANZE PARZIALI [m]	2.56 4.48 0.74 2.71 0.50 3.13 2.78 4.06 5.14 9.02 6.03 5.62 6.75 5.62 3.23 15.74 22.16
QUOTE [m s.l.m.m.]	17.53 17.32 17.19 17.49 17.32 17.32 14.77 14.26 12.11 11.90 11.98 12.80 16.50 16.54 16.41 16.52 16.60 16.81

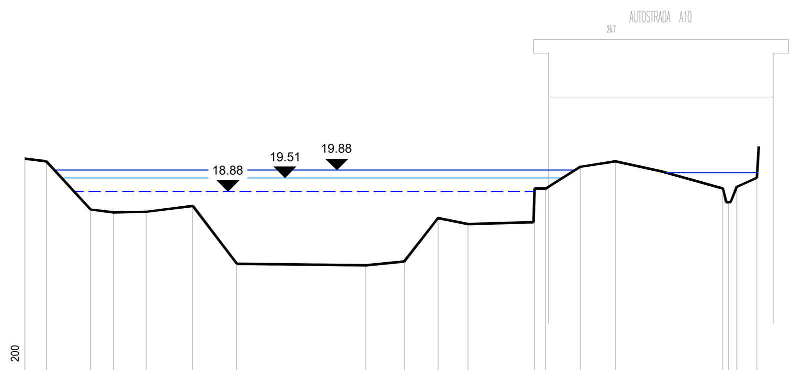
SEZIONE 58



5.00 — 200 / 500

PICCHETTO	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
DISTANZE PROGRESSIVE [m]	0.00 20.00 20.70 24.88 30.22 31.85 37.44 50.23 59.04 65.86 71.98 77.90 91.06 99.82 105.73 108.38 110.06 114.34 125.6 125.78 128.08 143.08
DISTANZE PARZIALI [m]	20.00 0.70 4.18 5.33 1.63 5.59 12.79 8.81 6.82 6.12 5.91 13.16 8.76 5.91 2.65 1.68 4.28 11.26 0.14 2.30 15
QUOTE [m s.l.m.m.]	11.75 11.75 12.55 12.41 12.56 13.05 12.80 11.93 8.12 7.80 7.87 8.44 8.42 7.59 7.75 8.810 12.16 12.29 12.29 12.48 12.37 12.45 12.45

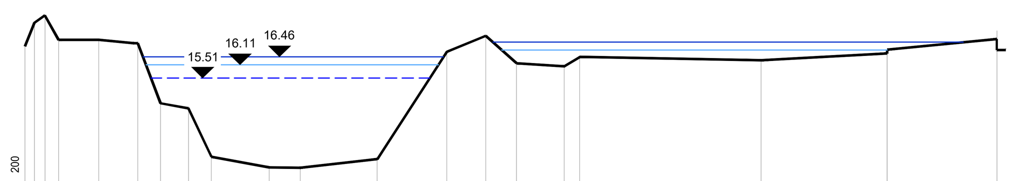
SEZIONE 78LN



10.00 — 200 / 500

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 2.40 7.33 9.92 13.54 18.77 23.67 38.10 402.40 46.18 49.54 56.98 58.18 62.08 66.01 78.03 78.39 79.58 81.83
DISTANZE PARZIALI [m]	2.40 4.94 2.59 3.61 5.23 4.9 14.43 4.30 3.78 3.36 7.44 1.20 3.9 3.94 12.02 0.36 1.19 2.25
QUOTE [m s.l.m.m.]	20.38 20.26 18.11 17.97 18.00 18.27 15.68 15.60 15.78 17.72 17.45 17.54 19.04 20.02 20.27 19.04 18.43 19.12 19.53

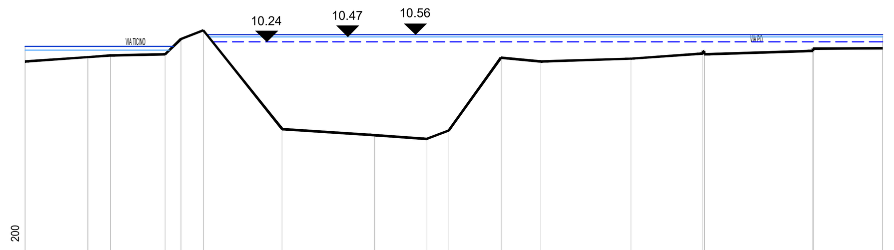
SEZIONE 82LN



10.00 — 200 / 500

PICCHETTO	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
DISTANZE PROGRESSIVE [m]	0.00 1.06 2.23 3.76 8.26 12.62 15.15 18.27 20.83 27.3 30.76 39.38 47.17 51.50 54.95 60.27 62.02 82.28 96.39 108.64
DISTANZE PARZIALI [m]	1.06 1.17 1.53 4.49 4.36 2.53 3.12 2.56 6.47 3.46 8.62 7.79 4.33 3.45 5.32 1.75 20.26 14.11 12.25
QUOTE [m s.l.m.m.]	16.94 18.00 18.03 17.23 17.24 17.08 140.40 14.17 12.00 11.53 11.51 11.9 16.7 17.41 16.19 16.04 16.47 16.31 16.62 17.27 16.77

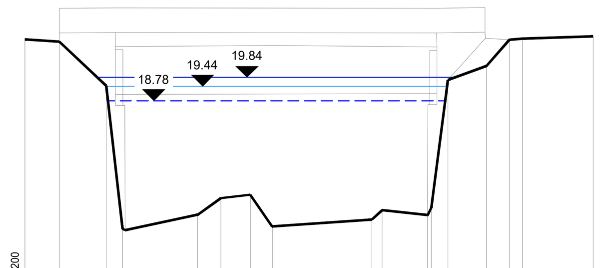
SEZIONE 59



0.00 — 200 / 500

PICCHETTO	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
DISTANZE PROGRESSIVE [m]	0.00 7.00 9.57 15.64 17.44 19.92 28.75 39.09 44.93 47.39 53.22 57.67 67.78 75.79 75.96 88.10 95.91
DISTANZE PARZIALI [m]	7.00 2.57 6.06 1.80 2.48 8.83 10.34 5.84 2.46 5.84 4.45 10.11 8.01 0.17 12.14 7.81
QUOTE [m s.l.m.m.]	9.36 9.56 9.63 9.68 10.38 10.76 6.33 6.06 5.90 6.27 9.54 9.37 9.49 9.73 9.83 9.69 9.84 9.94 9.96

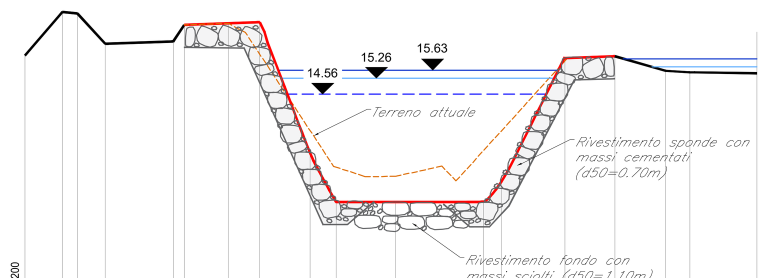
SEZIONE 52



10.00 — 200 / 500

PICCHETTO	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
DISTANZE PROGRESSIVE [m]	0.00 3.86 9.10 10.92 19.32 21.92 25.21 27.68 38.82 39.95 45.06 45.44 47.32 51.63 54.21 55.68 63.56
DISTANZE PARZIALI [m]	3.86 5.25 1.82 8.40 2.60 3.30 2.46 11.15 1.13 5.10 0.38 1.88 4.31 2.58 1.47 7.88
QUOTE [m s.l.m.m.]	21.54 21.44 19.47 13.08 13.72 14.46 14.61 13.19 13.50 13.91 13.70 14.01 19.73 20.36 21.53 21.57 21.67

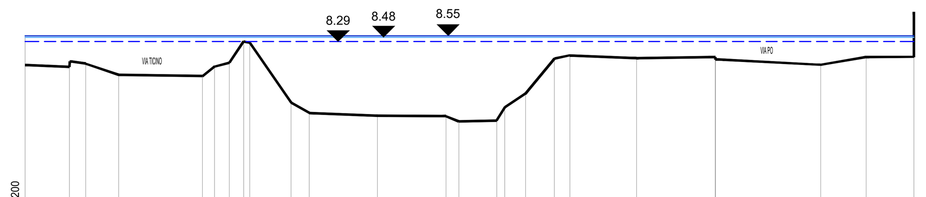
SEZIONE 83LN



5.00 — 200 / 500

PICCHETTO	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18
DISTANZE PROGRESSIVE [m]	0.00 4.18 5.87 8.97 16.57 17.81 22.72 26.25 31.88 34.81 41.44 51.27 53.25 60.38 65.98 71.61 74.33 81.82
DISTANZE PARZIALI [m]	4.18 1.69 3.10 7.61 1.24 4.91 3.53 5.63 2.93 6.63 9.83 1.98 7.13 5.60 5.67 2.72 7.49
QUOTE [m s.l.m.m.]	16.29 18.23 18.17 16.80 16.91 17.65 17.72 17.77 11.91 9.76 9.72 9.74 10.62 16.17 16.25 15.6 15.53 15.49

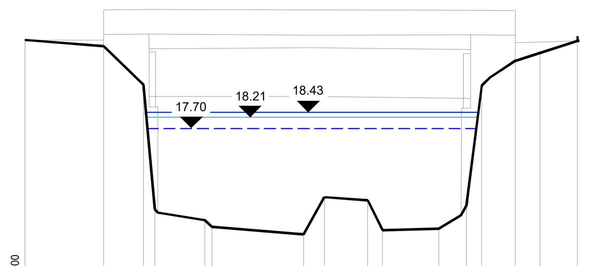
SEZIONE 60



0.00 — 200 / 500

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
DISTANZE PROGRESSIVE [m]	0.00 4.96 6.74 10.43 19.82 21.14 22.82 24.40 25.10 29.72 31.76 39.35 47.01 48.44 52.68 53.60 55.90 59.15 60.85 68.29 77.11 88.88 93.94 99.30
DISTANZE PARZIALI [m]	4.96 1.78 3.68 9.39 1.33 1.68 1.58 0.70 4.62 2.04 7.59 7.66 1.43 4.24 0.92 2.30 3.25 1.70 7.44 8.82 11.77 5.06 5.36
QUOTE [m s.l.m.m.]	7.24 7.16 7.39 7.30 6.80 6.75 7.17 7.35 8.29 8.23 5.56 5.09 4.97 4.95 4.71 4.75 5.35 5.96 7.52 7.67 7.55 7.59 7.49 7.25 7.60 9.60

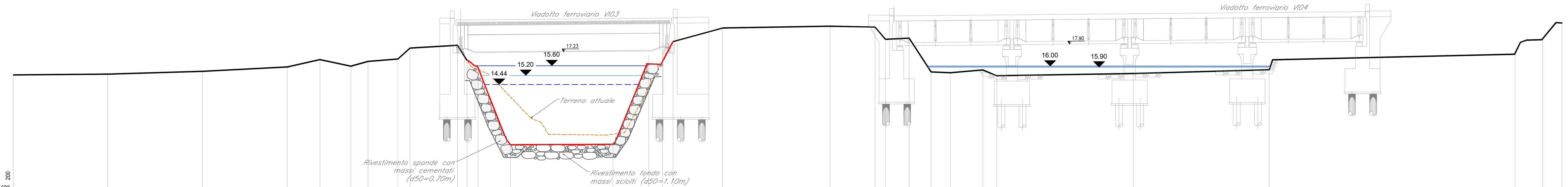
SEZIONE 53



10.00 — 200 / 500

PICCHETTO	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
DISTANZE PROGRESSIVE [m]	0.00 8.78 13.24 14.53 20.11 20.90 31.13 33.47 38.32 39.97 46.29 49.37 51.07 51.93 54.82 57.58 61.78
DISTANZE PARZIALI [m]	8.78 4.45 1.29 5.58 0.79 10.24 2.34 4.85 1.65 6.32 3.08 1.70 0.86 2.89 2.76 4.20
QUOTE [m s.l.m.m.]	21.67 21.39 19.66 14.08 13.59 13.30 12.96 14.63 14.48 13.15 13.22 14.28 19.63 19.97 20.74 21.09 21.62

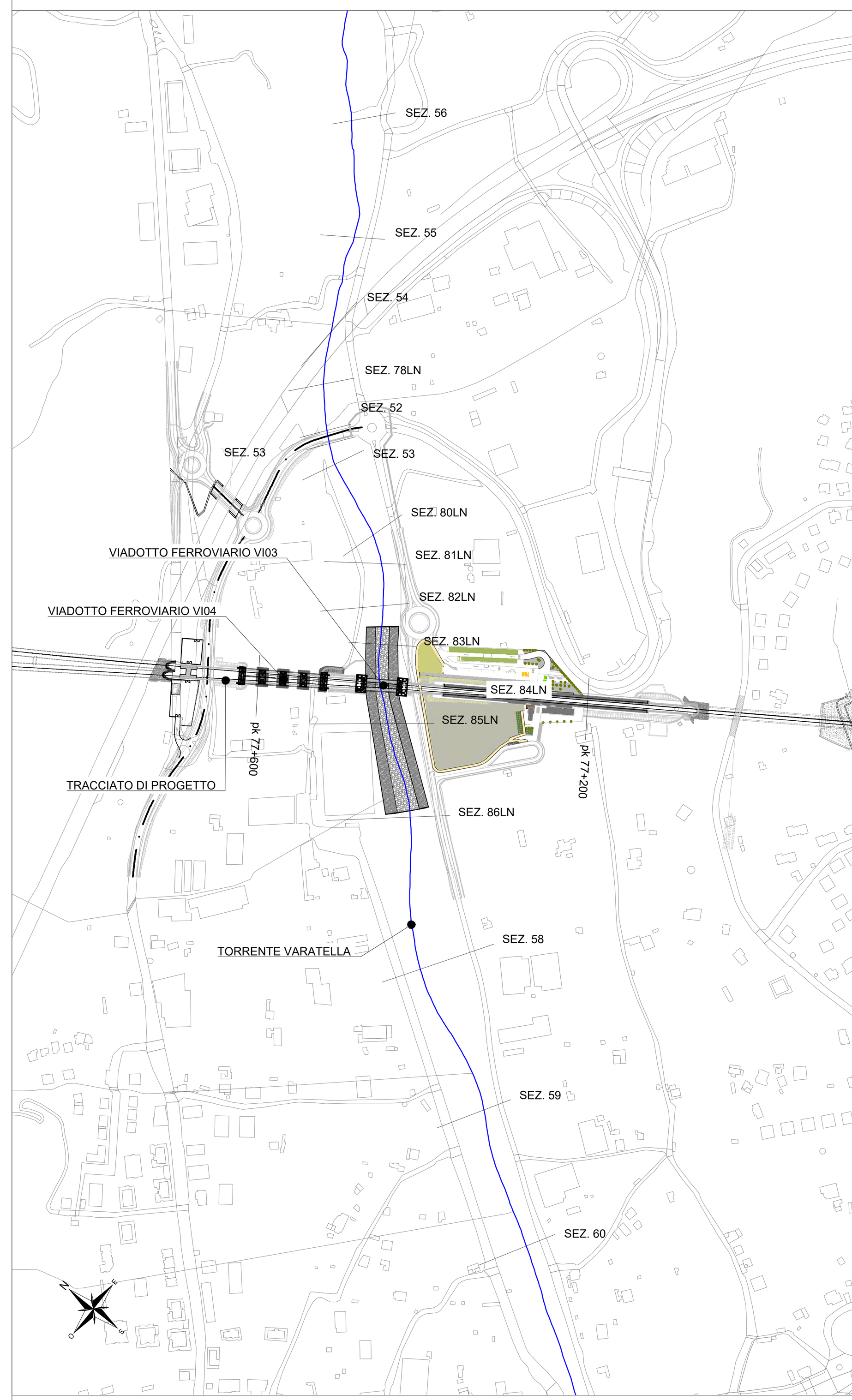
SEZIONE 84LN



5.00 — 200 / 500

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 20.04 40.17 58.21 65.16 71.73 75.37 81.71 84.32 94.39 96.42 98.77 105.67 127.67 135.05 137.98 140.23 150.69 173.55 183.11 185.31 190.33 195.01 199.11 205.99 208.96 237.94 266.85 319.08 324.96 329.06
DISTANZE PARZIALI [m]	20.04 20.13 18.04 6.95 6.56 3.64 6.34 2.61 10.06 2.03 2.35 6.90 22.00 7.63 2.93 2.25 10.46 22.86 9.57 2.20 5.02 4.67 4.11 6.88 2.97 28.98 28.91 52.23 5.88 4.10
QUOTE [m s.l.m.m.]	15.33 15.56 15.93 16.56 16.00 16.40 16.61 17.54 17.78 16.52 15.87 9.32 9.35 16.93 10.34 18.09 19.25 19.41 19.33 18.29 18.39 15.50 15.45 15.68 15.18 15.37 15.7 17.02 18.25 19.67

KEY PLAN Scala - 1:5.000



LEGENDA

- x.xx — LIVELLO TR500
- x.xx — LIVELLO TR200
- x.xx — LIVELLO TR50
- SEZIONE
- SEZIONE X — n° SEZIONE
- TERRENO DI PROGETTO

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 Varatello - pk 77+450
Sezioni significative con livelli idrici (Modello 2D) - Tr 50, 200, 500 anni - Torrente Varatello - post operam

SCALA: varie

COMMESSA	LOTTO	FASE	ENTE	TIPO DOC.	OPERA/DISCIPLINA	PROGR.	REV.
IV0I	00	D	09	WZ	ID0002	010	A

Rev.	Descrizione	Redatto	Data	Verificato	Data	Approvato	Data	Autorizzato Data
A	Emissione esecutiva	D. Polverelli	Gen 2022	C. Cesali	Gen 2022	G. Fadda	Gen 2022	A. Vittozzi Gennaio 2022

ITALFERR S.p.A. U.O. Opere Civili e Gestione delle varianti Dott. Ing. Angelo Vittozzi Ordine degli Ingegneri della Provincia di Roma N° A20783

File: IV0I00D09WZID0002010A.dwg | n. Elab.: X