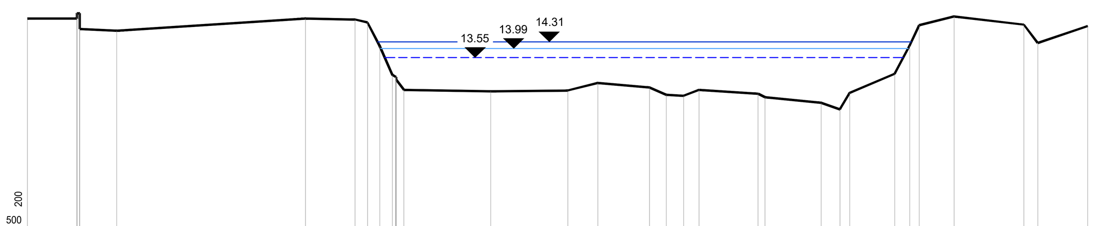
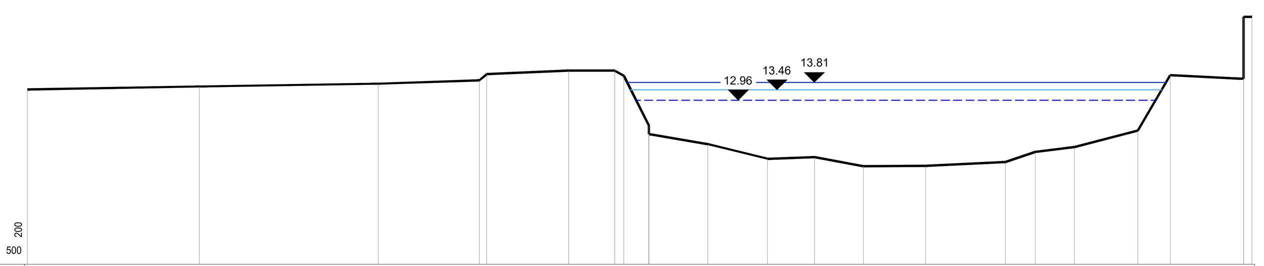
SEZIONE 99



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 6.00 6.36 10.85 33.74 39.73 41.26 42.75 44.22 44.64 44.76 56.22 65.55 69.19 75.47 77.51 79.63 81.51 88.65 89.50 96.31 98.57 99.75 105.22 107.04 108.20 112.42 120.89 122.58 128.65
DISTANZE PARZIALI [m]	6.00 0.36 4.48 22.90 5.99 1.53 1.49 1.52 1.42 10.54 9.33 3.64 6.28 2.04 2.12 1.87 7.14 0.85 6.82 2.26 1.18 5.47 1.82 1.16 4.21 8.47 1.69 6.07
QUOTE [m s.l.m.m.]	15.46 15.46 15.71 14.94 14.87 15.45 15.41 15.27 14.11 12.61 12.34 11.98 11.91 11.95 12.32 12.10 11.75 11.70 11.99 11.79 11.63 11.35 11.04 11.84 12.77 14.14 15.13 15.56 15.16 14.27 15.09

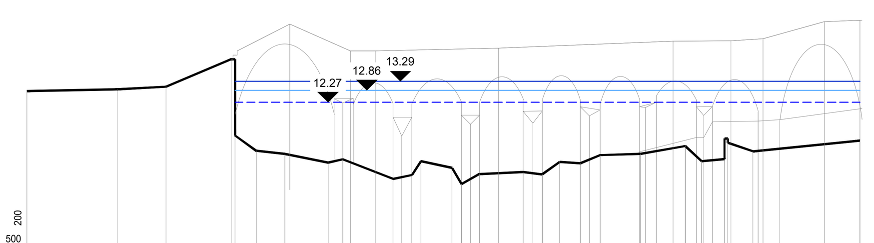
SEZIONE 1bAN



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
DISTANZE PROGRESSIVE [m]	0.00 20.88 42.57 54.84 55.76 65.68 71.29 72.38 75.44 82.59 89.84 95.55 101.46 108.98 118.69 122.33 127.09 134.77 138.70 147.62 148.62
DISTANZE PARZIALI [m]	20.88 21.68 12.28 0.92 9.92 5.61 1.09 3.06 7.15 7.25 5.70 5.91 7.52 9.71 3.64 4.76 7.67 3.94 8.92 1.00
QUOTE [m s.l.m.m.]	13.48 13.62 13.76 13.92 14.22 14.40 14.39 14.14 11.70 11.31 10.83 10.11 10.19 9.76 9.77 9.95 10.44 10.68 11.47 14.17 14.00 17.00

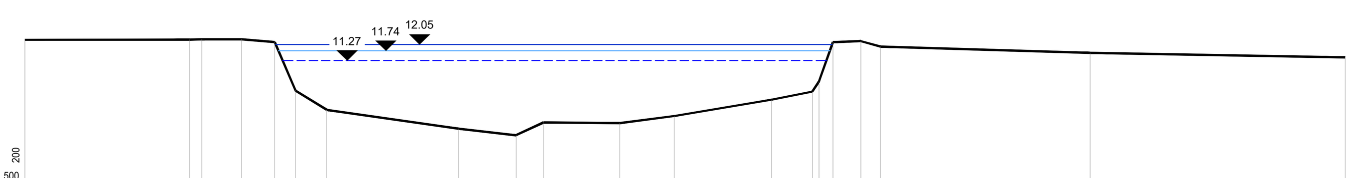
SEZIONE 1AN



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 2.59 6.06 11.31 13.10 19.18 21.49 22.59 26.35 27.51 29.68 34.99 37.31 39.43 41.92 44.34 49.21 54.68 56.66 59.43 59.83 62.87 75.88
DISTANZE PARZIALI [m]	2.59 3.47 5.26 1.79 6.08 2.31 1.10 3.76 1.16 2.17 5.31 2.32 2.12 2.49 2.42 4.87 5.48 1.98 2.76 0.40 3.04 13.01
QUOTE [m s.l.m.m.]	12.82 12.91 13.04 10.67 9.92 9.77 16.07 9.34 9.51 14.76 14.78 8.56 8.75 9.42 9.09 8.30 8.79 14.91 8.89 8.78 9.38 9.31 9.71 9.77 15.24 10.15 9.42 9.52 10.32 15.27 9.90 15.36 16.20 10.42

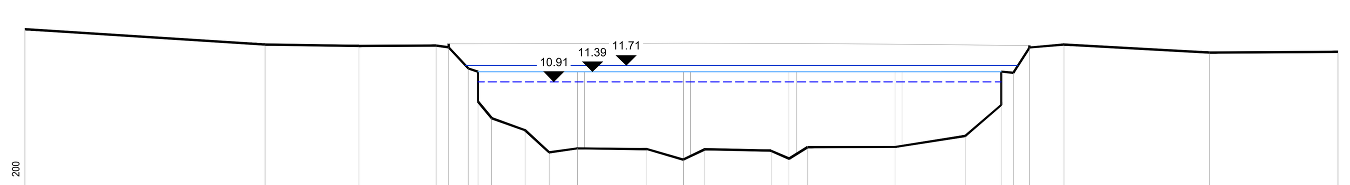
SEZIONE 2AN



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 21.47 26.29 30.31 32.82 36.61 52.61 59.58 62.92 72.15 78.79 90.61 95.53 96.32 98.03 101.44 103.81 129.22 160.19
DISTANZE PARZIALI [m]	20.00 1.47 4.82 4.02 2.51 3.80 16.00 6.97 3.34 9.23 6.63 11.82 4.92 0.79 1.71 3.41 2.37 25.41 30.97
QUOTE [m s.l.m.m.]	12.28 12.28 12.31 12.30 12.17 9.81 8.87 7.95 7.64 8.26 8.23 8.57 9.37 9.76 10.24 12.17 12.21 11.95 11.65 11.43

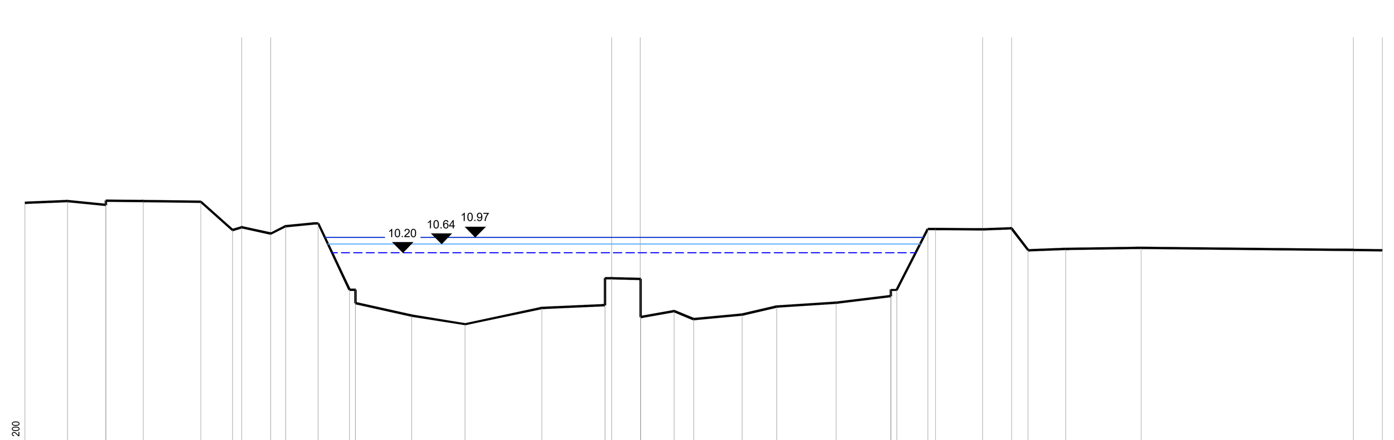
SEZIONE 3AN



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
DISTANZE PROGRESSIVE [m]	0.00 29.11 40.50 49.88 51.40 53.76 54.96 56.61 60.64 63.58 67.02 75.44 79.86 82.47 90.48 92.68 94.93 105.55 114.04 118.42 119.86 121.83 126.02 143.67 159.26
DISTANZE PARZIALI [m]	29.11 11.38 9.38 1.52 2.36 1.20 1.65 4.02 2.94 3.45 8.42 4.42 2.61 8.01 2.20 2.25 10.61 8.50 4.37 1.44 1.97 4.19 17.65 15.59
QUOTE [m s.l.m.m.]	13.47 12.72 12.65 12.67 12.58 11.56 11.39 9.94 9.14 8.56 7.49 7.68 7.64 7.13 7.64 7.57 7.18 7.74 7.75 8.28 9.79 11.41 11.34 12.57 12.72 12.33 12.36

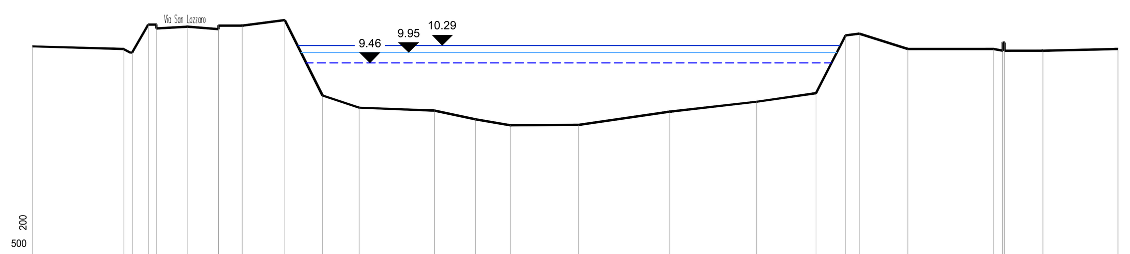
SEZIONE 4AN



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 25 26 27 28 29 30 31 32 33 34 35
DISTANZE PROGRESSIVE [m]	0.00 5.14 9.82 14.34 21.32 25.19 26.30 29.80 31.63 35.12 35.57 39.37 40.07 46.92 53.40 62.71 70.35 71.15 74.69 78.74 81.09 86.98 91.18 98.38 105.02 105.72 109.49 116.17 119.65 121.68 126.21 135.39 161.13 164.64
DISTANZE PARZIALI [m]	5.14 4.68 4.52 6.98 3.88 1.11 3.50 1.83 3.93 3.80 0.70 6.85 6.48 9.31 7.64 0.80 3.49 4.05 2.35 5.90 4.20 7.20 6.64 0.70 3.77 6.68 3.48 2.02 4.53 9.18 25.74 3.51
QUOTE [m s.l.m.m.]	12.62 12.71 12.52 12.71 12.67 11.30 11.43 11.13 11.49 11.62 8.40 7.75 7.15 6.73 7.52 7.66 8.96 8.93 7.08 7.37 6.98 7.21 7.59 7.78 8.09 8.40 11.34 11.33 11.39 10.32 10.38 10.43 10.33 10.32

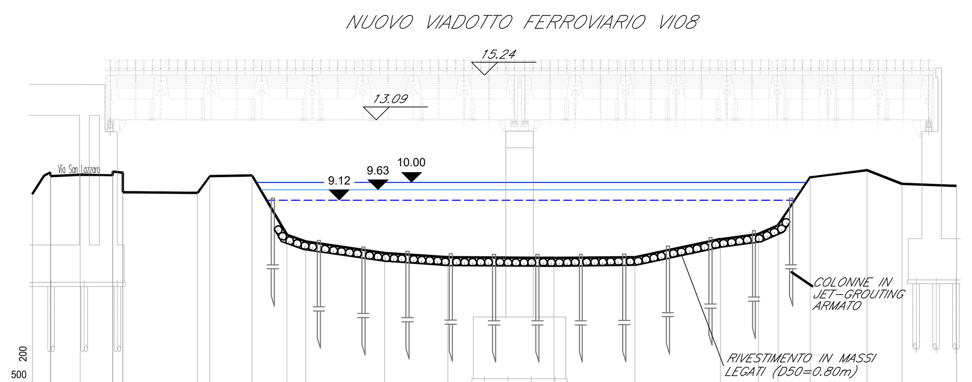
SEZIONE 5AN



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 25
DISTANZE PROGRESSIVE [m]	0.00 11.08 12.10 14.05 15.05 18.86 22.56 25.44 30.61 35.18 39.63 48.77 53.74 57.96 66.22 77.29 87.83 95.02 98.62 100.28 106.18 116.58 117.91 122.57 131.66
DISTANZE PARZIALI [m]	11.08 1.02 1.96 1.00 3.81 3.70 2.88 5.17 4.57 4.45 9.14 4.96 4.22 8.27 11.07 10.54 7.20 3.59 1.67 5.90 10.40 1.13 4.66 9.09
QUOTE [m s.l.m.m.]	10.24 10.11 9.94 11.29 11.11 11.20 11.07 11.25 11.25 11.52 7.85 7.26 7.12 6.69 6.41 6.42 7.06 7.55 7.96 10.77 10.86 10.11 10.11 10.42 10.12 10.02 10.02 10.11

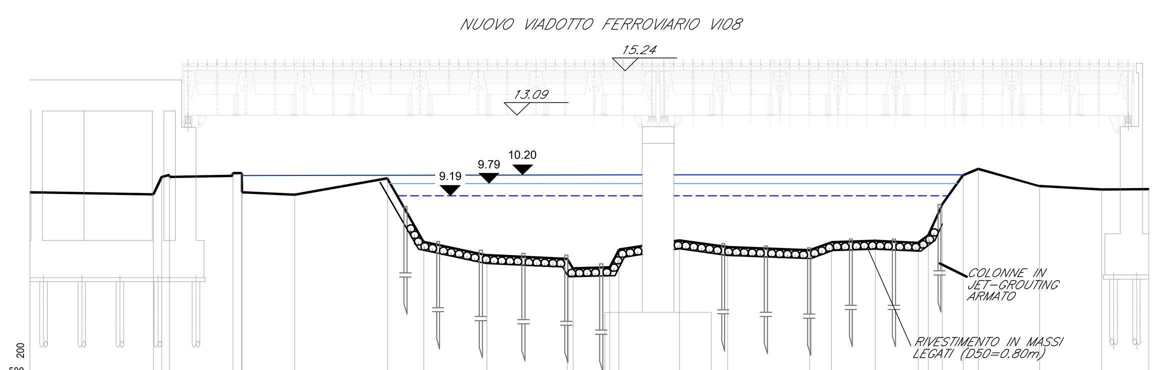
SEZIONE 6AN



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
DISTANZE PROGRESSIVE [m]	0.00 2.19 5.81 9.75 10.98 20.04 21.51 26.65 30.87 33.16 42.70 50.40 63.24 73.08 83.43 88.07 90.42 94.32 101.23 105.43 112.07
DISTANZE PARZIALI [m]	2.19 3.62 3.94 1.23 9.05 1.47 5.14 4.22 2.29 9.54 7.70 12.84 9.84 10.35 4.64 2.35 3.90 6.91 4.20 6.64
QUOTE [m s.l.m.m.]	9.41 10.47 10.29 10.35 10.33 10.51 9.51 9.48 10.28 10.32 7.45 7.12 6.57 6.36 6.33 6.37 7.24 7.49 7.91 10.24 10.58 9.92 9.81

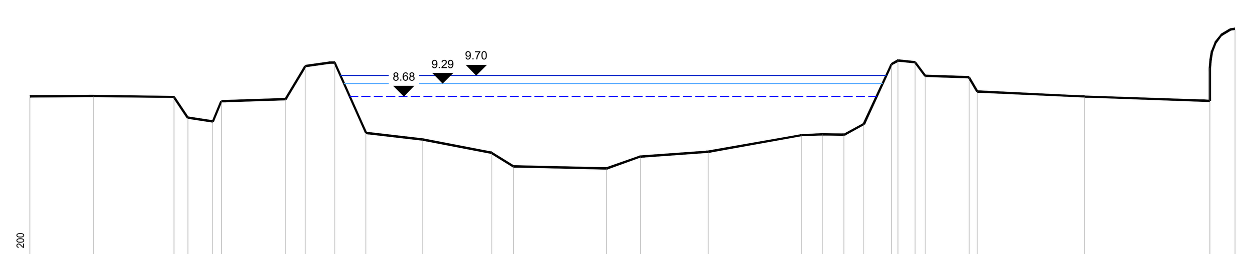
SEZIONE 103



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 25 26 27
DISTANZE PROGRESSIVE [m]	0.00 15.00 16.01 16.93 24.63 25.73 32.13 43.38 47.79 55.46 65.22 65.90 70.36 71.47 78.85 84.68 94.61 97.23 102.57 107.76 109.01 110.72 113.23 115.07 122.50 130.05 135.78
DISTANZE PARZIALI [m]	15.00 1.01 0.82 7.70 1.10 6.40 11.25 4.41 7.67 9.76 0.68 4.46 1.11 7.38 5.83 9.94 2.62 5.34 5.20 1.25 1.71 2.52 1.83 7.43 7.55 5.74
QUOTE [m s.l.m.m.]	9.35 9.25 10.10 10.18 10.18 10.16 10.29 10.29 9.36 9.23 10.03 6.94 6.30 6.11 5.66 5.71 6.57 7.02 6.70 6.54 6.93 7.00 6.91 7.27 8.78 10.18 10.49 9.65 9.49 9.50

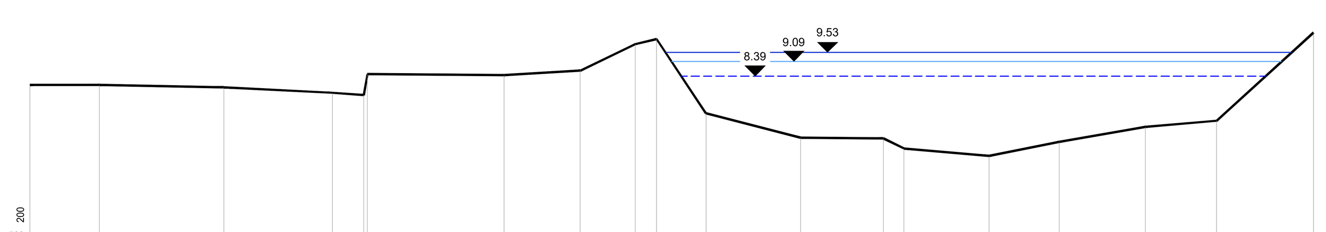
SEZIONE 7AN



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 25 26 27 28
DISTANZE PROGRESSIVE [m]	0.00 7.72 17.48 19.17 22.21 23.23 31.01 33.42 36.99 40.79 47.68 56.05 58.69 69.97 74.09 82.30 93.64 96.13 98.78 101.18 104.54 105.34 107.40 108.63 113.94 114.95 127.99 143.18
DISTANZE PARZIALI [m]	7.72 9.76 1.69 3.03 1.03 7.78 2.40 3.58 3.80 6.89 8.37 2.64 11.28 4.12 8.20 11.34 2.49 2.65 2.40 3.36 0.80 2.06 1.23 5.31 1.01 13.04 15.19
QUOTE [m s.l.m.m.]	8.67 8.68 8.65 7.63 7.46 8.43 8.53 10.14 10.32 6.90 6.57 5.93 5.27 5.17 5.75 5.98 6.78 6.82 6.81 7.32 10.23 10.42 10.33 9.67 9.60 8.90 8.66 8.45

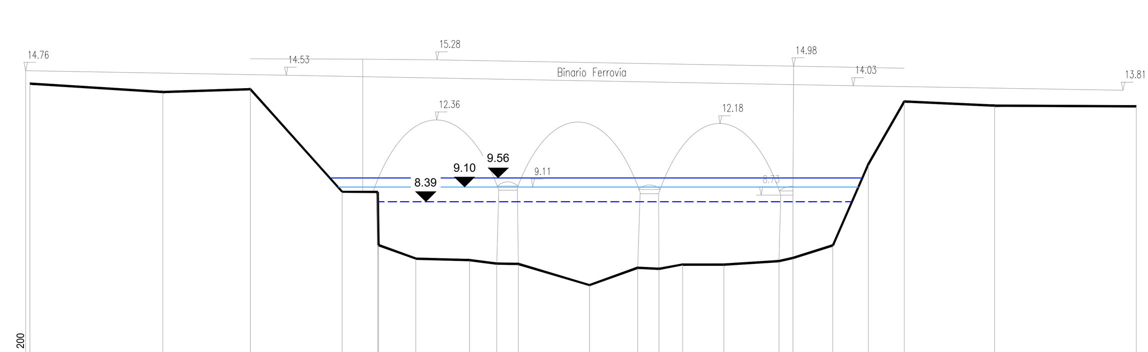
SEZIONE 7bAN



0.00 — 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 8.44 23.55 36.70 40.52 40.96 57.52 66.77 73.45 76.03 82.03 93.52 103.56 106.05 116.38 124.88 135.35 144.00 155.75
DISTANZE PARZIALI [m]	8.44 15.11 13.14 3.83 0.44 16.56 9.25 6.67 2.59 6.00 11.48 10.05 2.49 10.33 8.50 10.47 8.65 11.76
QUOTE [m s.l.m.m.]	7.97 7.97 7.84 7.58 7.47 8.48 8.44 8.65 9.94 10.18 6.59 5.41 5.37 4.89 4.52 5.20 5.94 6.23 10.49

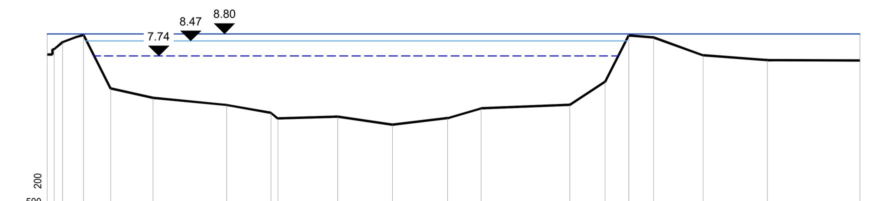
SEZIONE 8AN



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
DISTANZE PROGRESSIVE [m]	0.00 16.15 26.77 37.90 42.30 46.83 53.33 56.63 59.27 67.89 73.74 76.35 79.19 84.19 90.88 92.57 97.42 101.72 106.10 117.05 134.25
DISTANZE PARZIALI [m]	16.15 10.62 11.13 4.32 4.61 6.50 3.31 2.63 8.63 5.84 2.61 2.84 5.00 6.69 1.69 4.86 4.29 4.38 10.95 17.20
QUOTE [m s.l.m.m.]	14.12 13.71 13.85 8.89 8.88 6.90 5.65 5.57 5.40 5.39 4.37 5.20 5.15 5.36 5.36 5.52 5.68 6.29 10.20 13.27 13.06 13.02

SEZIONE 9AN



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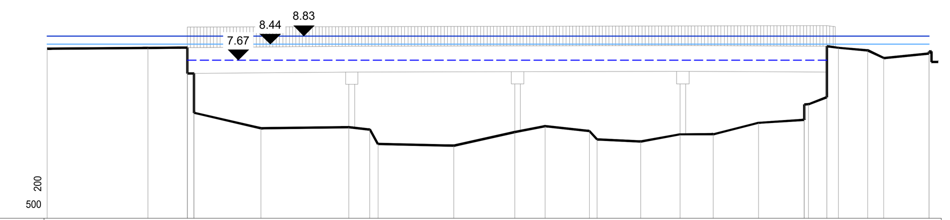
PICCHETTO	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
DISTANZE PROGRESSIVE [m]	0.00 0.84 1.86 4.43 7.70 12.82 21.76 27.13 27.97 35.24 41.87 48.57 52.64 63.37 67.67 70.53 73.55 79.57 87.33 98.56
DISTANZE PARZIALI [m]	0.84 1.02 1.70 0.87 3.27 5.12 8.94 5.37 0.84 7.27 6.62 6.70 4.08 10.73 4.30 2.86 3.02 6.02 7.76 11.23
QUOTE [m s.l.m.m.]	7.81 8.06 8.41 8.76 6.16 5.72 5.36 4.98 4.71 4.79 4.41 4.72 5.20 5.36 6.50 8.73 8.64 7.77 7.54 7.53

SEZIONE 10AN



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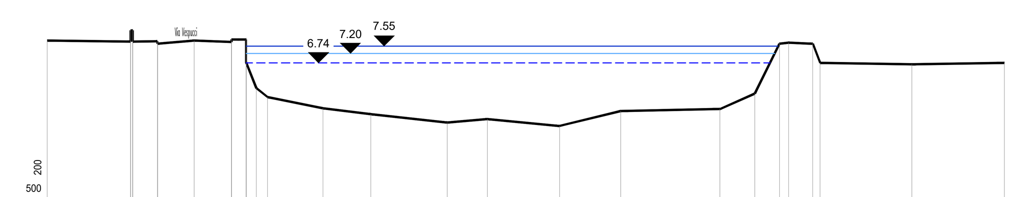
PICCHETTO	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
DISTANZE PROGRESSIVE [m]	0.00 12.24 17.02 17.82 25.94 36.64 39.19 40.17 49.37 56.78 60.47 65.84 66.77 72.07 76.84 80.88 86.36 91.92 92.44 94.67 96.08 99.63 101.57 107.05
DISTANZE PARZIALI [m]	12.24 4.78 0.80 8.13 10.70 2.54 0.98 9.20 7.40 3.69 5.37 0.93 5.30 4.77 4.04 5.48 5.56 0.52 2.24 1.41 3.55 1.94 5.48
QUOTE [m s.l.m.m.]	8.22 8.25 8.25 7.01 5.11 4.36 4.41 4.30 3.59 3.52 4.18 4.47 4.23 3.82 3.72 4.07 4.07 4.63 4.77 5.52 5.87 8.27 8.14 7.77 7.98

SEZIONE 11AN



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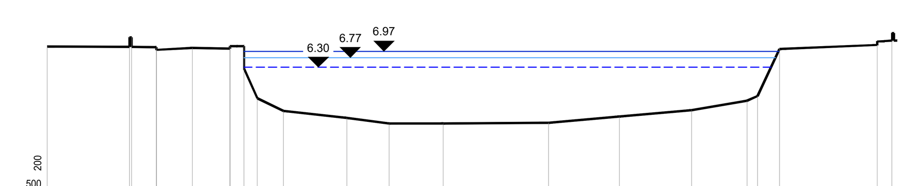
PICCHETTO	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
DISTANZE PROGRESSIVE [m]	0.00 10.13 10.38 13.37 17.85 22.35 24.12 25.38 26.74 33.44 39.27 48.51 53.38 62.15 69.57 81.59 85.82 88.82 89.93 92.86 93.76 104.85 116.09
DISTANZE PARZIALI [m]	10.13 0.25 2.99 4.48 4.50 1.77 1.26 1.36 6.69 5.83 9.24 4.88 8.77 7.42 12.02 4.23 3.00 1.12 2.93 0.90 11.09 11.24
QUOTE [m s.l.m.m.]	7.82 7.77 8.22 7.77 7.79 7.67 7.82 7.76 6.88 5.52 5.08 4.54 4.25 3.84 4.01 3.68 4.40 4.50 5.25 7.66 7.73 7.67 6.74 6.67 6.74

SEZIONE 12AN



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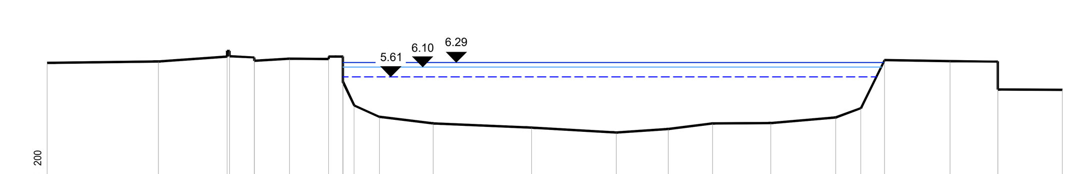
PICCHETTO	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
DISTANZE PROGRESSIVE [m]	0.00 10.02 10.27 13.25 17.64 22.21 23.91 25.51 28.68 36.37 41.50 48.05 60.86 69.45 78.18 84.91 86.20 88.87 100.72 102.52
DISTANZE PARZIALI [m]	10.02 0.25 2.98 4.39 4.57 1.70 1.60 3.17 7.69 5.13 6.55 12.82 8.59 8.73 6.73 1.29 2.67 11.85 1.80
QUOTE [m s.l.m.m.]	7.30 7.75 7.50 7.75 7.26 7.14 7.24 7.21 7.33 6.23 4.80 4.19 3.85 3.58 3.58 3.61 3.92 4.22 4.68 4.91 7.18 7.38 7.35 7.59 7.95

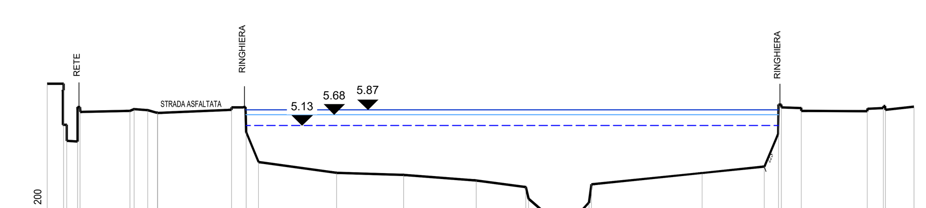
SEZIONE 13AN



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
DISTANZE PROGRESSIVE [m]	0.00 13.51 21.87 22.17 25.15 29.44 34.20 35.92 37.28 40.35 46.88 58.82 69.10 75.39 80.79 87.86 95.72 98.79 101.66 109.60 115.39 123.23
DISTANZE PARZIALI [m]	13.51 8.36 0.30 2.98 4.29 4.76 1.72 1.36 3.07 6.53 11.93 10.28 6.29 5.39 7.07 7.86 3.07 2.88 7.94 5.79 7.83
QUOTE [m s.l.m.m.]	6.28 6.35 6.59 6.86 6.60 6.54 6.38 6.48 6.46 5.59 5.37 4.23 3.67 3.35 3.14 2.90 3.07 3.35 3.37 3.64 4.08 6.42 6.36 6.34 4.99 4.98

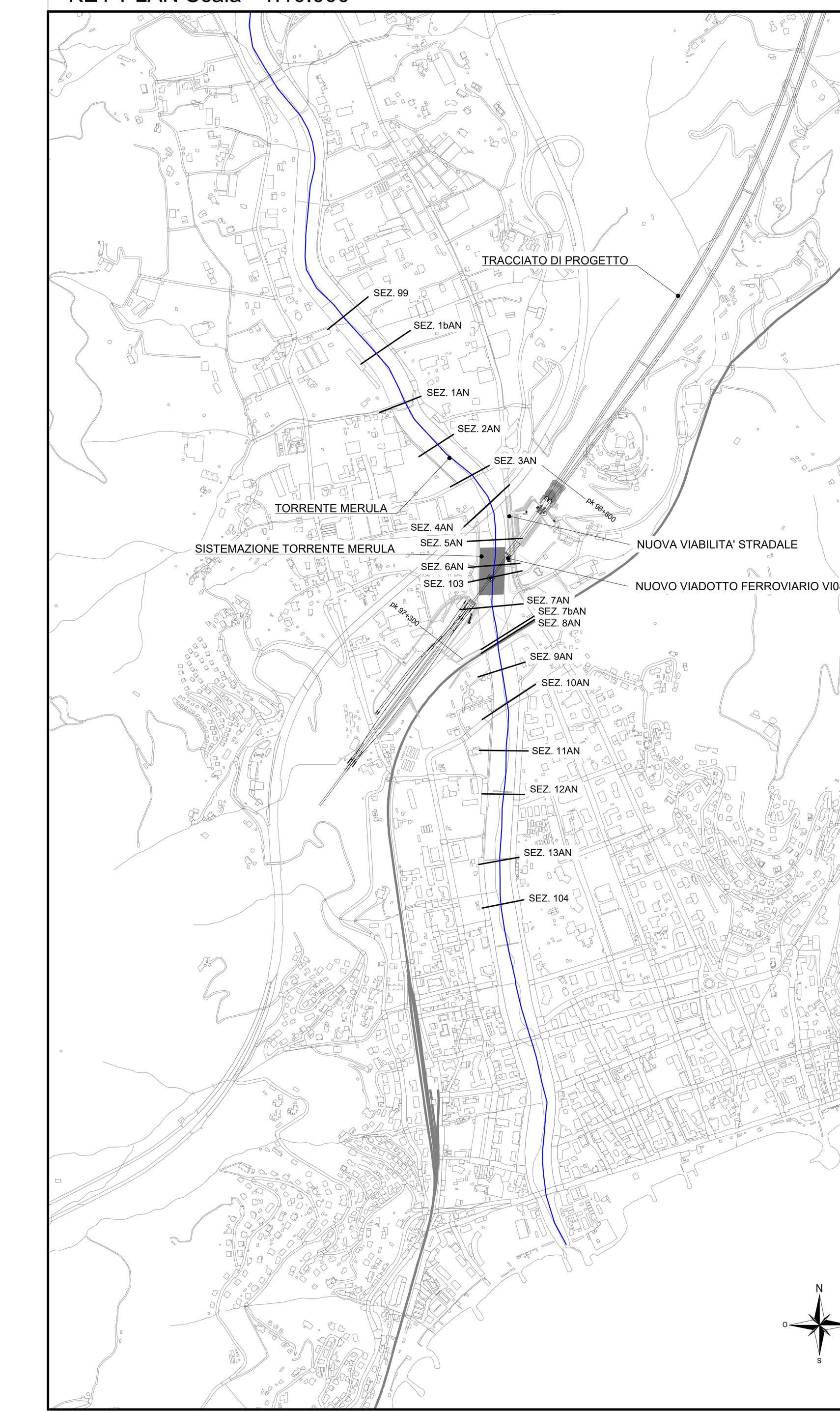
SEZIONE 104



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 25 26 27 28 29 30
DISTANZE PROGRESSIVE [m]	0.00 2.00 2.38 3.68 4.01 10.05 10.56 12.20 13.39 22.39 24.17 25.65 35.11 43.25 52.02 58.06 58.39 61.60 64.01 65.71 66.01 79.43 86.98 88.61 89.06 91.49 99.47 101.45 101.68 105.16
DISTANZE PARZIALI [m]	2.00 0.38 1.30 0.33 6.03 0.51 1.64 1.19 9.00 1.78 1.48 9.47 8.14 8.77 6.04 0.34 3.21 2.41 1.70 0.30 13.42 7.55 1.63 0.45 2.43 7.98 1.98 0.23 3.48
QUOTE [m s.l.m.m.]	7.17 7.17 5.17 5.93 5.80 5.85 5.93 5.88 5.74 5.89 6.02 6.04 4.90 3.36 2.83 2.73 2.46 2.14 1.57 0.45 0.64 1.39 2.27 2.82 3.13

KEY PLAN Scala - 1:10.000



LEGENDA

x.xx	LIVELLO TR500
x.xx	LIVELLO TR200
x.xx	LIVELLO TR50
Sez. 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 Merula - pk 97+000
Sezioni significative con livelli idrici (Modello 2D) - Tr 50, 200, 500 anni - Torrente Merula - post operam

SCALA: varie

COMMESSA	LOTTO	FASE	ENTE	TIPO DOC.	OPERA/DISCIPLINA	PROGR.	REV.
IV0I	00	D	09	WZ	ID0002	012	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

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