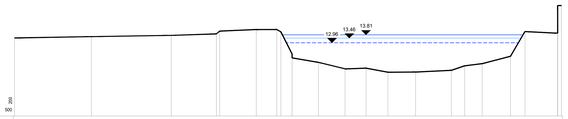
SEZIONE 99

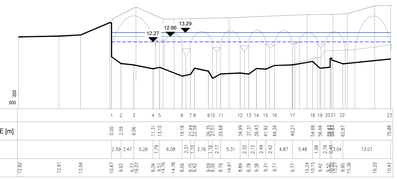
PICCHETTO	1		2	3		4			5		6	7	8	9	10		11		12		13		14		15		16	17	18	19		20	21	
DISTANZE PROGRESSIVE [m]	0.00	0.00	4.48	10.85				33.74	40.13	45.25	46.61	50.85				96.22			145.55			161.76	163.47	167.90	171.31	173.43	181.90	187.97							
DISTANZE PARZIALI [m]	0.00	4.48	6.37		22.90		5.99	6.39	5.12	1.36	4.24		9.33	3.64	6.28		14.33	6.82	7.14	6.82	3.41	2.71	1.71	4.43	3.41	2.12	8.47	6.07						
QUOTE [m s.l.m.m.]	13.95	13.95	14.31	14.67				13.45	13.17	13.00	12.98	12.93				11.91			11.95			13.15	13.70	13.99	13.43	13.22	13.78	13.59							

SEZIONE 1bAN



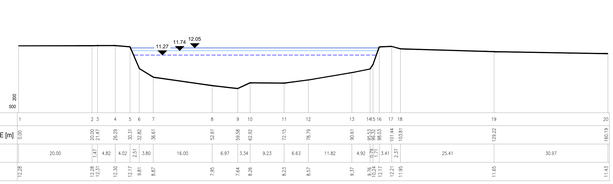
PICCHETTO	1			2			3			4	5		6	7	8	9	10		11		12	13		14		15	16	17		18	19		20	21
DISTANZE PROGRESSIVE [m]	0.00		20.88			21.68			12.28		9.92		5.61	3.06	3.06	7.15		7.25	5.70	5.91	7.52		9.71		3.64	4.78	7.67		3.94	8.92				
DISTANZE PARZIALI [m]	0.00	20.88			21.68			12.28		9.92		5.61	3.06	3.06	7.15		7.25	5.70	5.91	7.52		9.71		3.64	4.78	7.67		3.94	8.92				
QUOTE [m s.l.m.m.]	13.48	13.48			13.82			13.76			13.93	14.03	14.20	14.23	14.23	14.40		14.40	14.28	14.23	14.11	14.03	13.94	13.91	13.91	13.91	13.91	13.91	13.91	13.91	13.91	13.91	13.91	13.91

SEZIONE 1AN



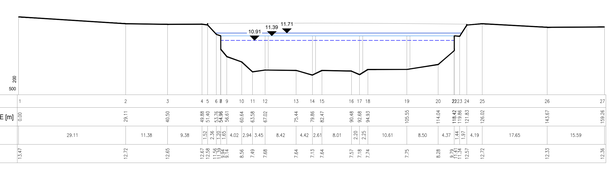
PICCHETTO	1		2		3		4	5		6	7	8	9	10	11		12	13	14	15	16		17		18	19	20	21		22		23		
DISTANZE PROGRESSIVE [m]	0.00																						3.00		5.26		11.33		18.41		24.99		29.90	31.70
DISTANZE PARZIALI [m]	0.00	2.59		3.47		5.26		1.79	6.08		2.31	3.76		2.15	5.31		2.33	2.12	4.82	2.42	4.87		5.48		1.98	2.04		13.01					
QUOTE [m s.l.m.m.]	12.82	12.81		13.04		13.67		14.02	14.78		14.56	14.41		14.31	14.20		14.23	14.26	14.31	14.36	14.41		14.21		13.73	13.73		13.73					

SEZIONE 2AN



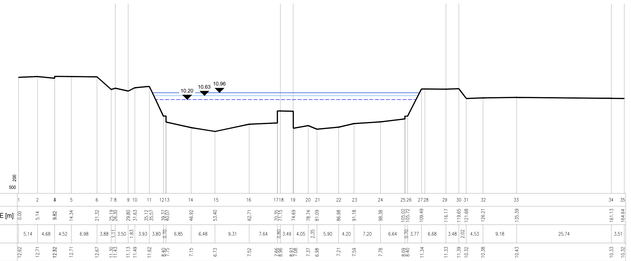
PICCHETTO	1			2	3		4		5	6	7			8		9	10		11		12		13			14	15	16	17	18		19		20
DISTANZE PROGRESSIVE [m]	0.00					20.00			26.29		30.31		33.82	36.61				53.81			59.58		62.82		72.15		76.79		90.61	93.10	96.03	101.44	105.69				129.22				140.19
DISTANZE PARZIALI [m]	0.00	20.00			1.47	4.82	4.02	2.51	3.80		16.00			6.97	3.34	9.23	6.63		11.82	4.62	2.78	3.41	3.23			25.41					30.97				10.95
QUOTE [m s.l.m.m.]	13.96	13.96			13.28	12.23	13.30	13.17	9.81	8.87				7.95	7.64	8.26	8.23	8.57		8.57	8.76	8.76	9.17	11.21	11.17	10.49					11.65				13.43

SEZIONE 3AN



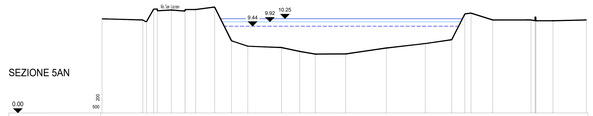
PICCHETTO	1			2			3			4	5	6	7	8	9	10	11	12		13	14	15		16	17	18		19		20	21	22	23	24	25		26		27
DISTANZE PROGRESSIVE [m]	0.00			29.11				40.50			49.88	52.90	56.28	59.51			75.44		79.86	82.43		90.48	94.43			105.50			114.44	118.42	122.10	127.63		134.02		143.61		159.56
DISTANZE PARZIALI [m]	0.00	29.11			11.38		9.38			8.38	3.02	3.38	3.23	2.80	4.02	2.94	3.45		8.42	4.42	2.61	8.01	3.95	2.25	3.74	10.61		8.50	4.37	3.98	3.68	5.53		6.39		9.59		15.95
QUOTE [m s.l.m.m.]	13.47	13.47			13.72			13.65			12.67	12.67	12.67	12.67	12.67	12.67	12.67	12.67	12.67	12.67	12.67	12.67	12.67	12.67	12.67	12.67	12.67	12.67	12.67	12.67	12.67	12.67	12.67	12.67	12.67	12.67	12.67	12.67

SEZIONE 4AN



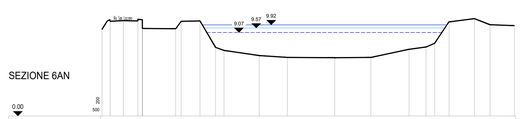
PICCHETTO	1		2		3		4	5		6	7	8	9	10	11	12	13	14		15		16	17	18	19	20	21	22		23		24		25	26	27	28	29	30	31	32		33		34	35
DISTANZE PROGRESSIVE [m]	0.00		5.14		9.82														40.82		53.40			62.71		70.05	71.75	74.69	78.74	82.09	86.98	91.18		98.38		109.03	110.72	113.10	116.47	119.68		126.21		135.39			141.13
DISTANZE PARZIALI [m]	0.00	5.14	4.68	4.52	6.98	3.88	3.50	1.45	3.93	3.80	2.85	6.48		9.31	7.64	5.49	4.05	3.35	5.90	4.20	7.20	6.64	3.77	6.68	3.48	2.82	4.53	9.18		25.74																	3.51
QUOTE [m s.l.m.m.]	12.82	12.71	12.82	12.71	12.67	11.82	11.53	11.53	11.62	8.95	7.15	6.73		7.52	7.78	8.58	8.58	8.37	8.37	7.21	7.59	7.78	8.58	8.58	11.54	11.33	11.33	10.32	10.28	10.43																	10.53	10.32

SEZIONE 5AN



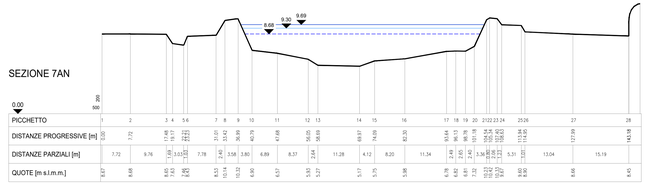
PICCHETTO	1		2	3	4	5	6		7	8		9	10	11		12	13	14		15		16		17		18	19	20		21		22	23		24		25
DISTANZE PROGRESSIVE [m]	0.00							17.06	19.17	22.23		25.56			30.61		35.18	39.63		48.77	53.74	57.96		64.22		77.29		83.83	90.02	96.24	105.18		114.39	120.27		137.96		
DISTANZE PARZIALI [m]	0.00	11.08						1.66	2.11	3.06	2.88	3.33	5.17	4.57	4.45	9.14	4.96	4.22	8.27	11.07	10.54	7.20	3.59	5.90	10.40	4.66	9.09								
QUOTE [m s.l.m.m.]	10.24	10.24						9.74	9.57	11.00	11.25	11.25	11.52	7.85	7.26	7.12	6.89	6.41	6.42	7.66	7.55	7.96	10.57	10.66	10.11	10.02	10.11								

SEZIONE 6AN



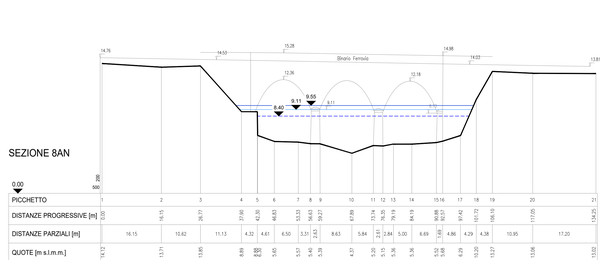
PICCHETTO	1		2	3	4	5	6	7		8	9	10		11		12		13		14		15	16	17	18		19	20		21			
DISTANZE PROGRESSIVE [m]	0.00	3.19	3.62	3.94	5.27	9.05	7.47	5.14	4.22	5.29	9.54		7.70		12.84		9.84		10.35	4.64	3.75	3.90	6.91	4.20	6.64								
DISTANZE PARZIALI [m]	0.00	3.19	3.62	3.94	5.27	9.05	7.47	5.14	4.22	5.29	9.54		7.70		12.84		9.84		10.35	4.64	3.75	3.90	6.91	4.20	6.64								
QUOTE [m s.l.m.m.]	9.81	9.47	10.05	10.20	10.23	9.48	10.28	10.32	7.45	7.12	6.57		6.36		6.03		6.37		7.24	7.49	7.91	10.24	10.08	9.82	9.82								

SEZIONE 7AN



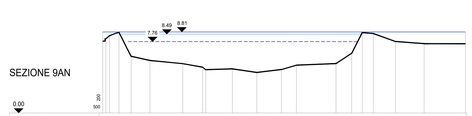
PICCHETTO	1		2		3	4	5	6		7	8		9	10		11		12	13		14		15	16		17	18	19	20	21	22	23	24		25	26		27		28
DISTANZE PROGRESSIVE [m]	0.00		7.72								31.01	33.42		36.99		43.79		47.68		56.05	58.69		67.89		74.69		83.20		93.43	95.78	101.04	105.54	108.63	113.36	115.86		117.99		142.18
DISTANZE PARZIALI [m]	0.00	7.72		9.76		5.65	3.53	3.58	3.80		6.89		8.37		3.87		11.28	4.12	8.20		11.34	2.45	2.40	9.20	6.80	7.02	8.51	10.23	2.35	5.26	4.50	3.09	4.73	2.50		2.13		24.19
QUOTE [m s.l.m.m.]	8.87	8.87		8.68		8.82	9.43	9.43	10.14		10.32		9.60		9.61		9.57	9.57	9.75		9.98	9.78	9.82	9.82	9.82	9.82	9.82	9.82	9.82	9.82	9.82	9.82	9.82	9.82		9.66		9.45

SEZIONE 8AN



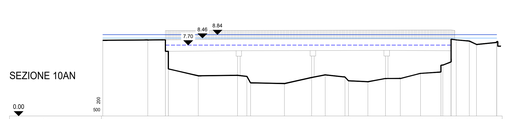
PICCHETTO	1			2		3		4	5		6	7	8	9	10		11	12	13	14		15	16		17	18	19		20		21			
DISTANZE PROGRESSIVE [m]	0.00			16.15			26.77			37.90		42.30	48.83		53.33		56.43	59.27		67.89		73.74	76.35		79.19		84.19		90.68	95.03	97.42		101.72		106.10		111.05			134.25
DISTANZE PARZIALI [m]	0.00	16.15			10.62		11.13		4.22	4.61		6.50	3.31	3.52	4.53		3.10	2.84	8.63	5.84	2.41	2.84	5.00	2.83	2.84	5.00	6.69	4.86	4.29	4.38	10.95		17.20							
QUOTE [m s.l.m.m.]	14.12	13.71			13.85			8.89	8.89	8.89		9.65	5.45		5.53	5.53	5.40	5.39		4.31		5.20	5.15	5.36		5.36		5.36	5.36	5.36	5.36		10.06		13.07		13.06			13.02

SEZIONE 9AN



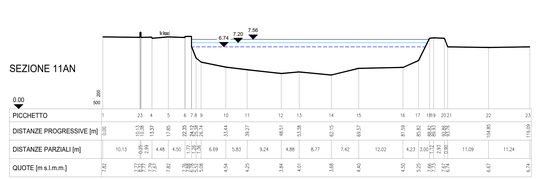
PICCHETTO	1		2	3	4	5		6		7		8	9		10		11		12		13		14	15	16	17		18		19		20		
DISTANZE PROGRESSIVE [m]	0.00																																
DISTANZE PARZIALI [m]	0.00	12.34	4.43	7.70		13.82		21.76		27.13	29.97		33.54		39.27		45.85		48.57		54.64		63.37	67.87	70.53	73.55		84.57		87.33		90.56		
QUOTE [m s.l.m.m.]	7.76	7.76	8.19	8.19	8.19	8.19	8.19	8.19	8.19	8.19	8.19	8.19	8.19	8.19	8.19	8.19	8.19	8.19	8.19	8.19	8.19	8.19	8.19	8.19	8.19	8.19	8.19	8.19	8.19	8.19	8.19	8.19	8.19

SEZIONE 10AN



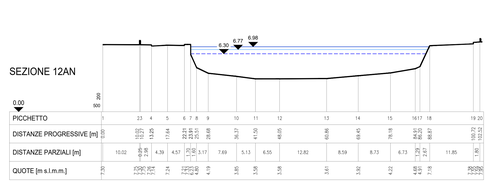
PICCHETTO	1		2		3	4		5		6	7	8		9	10	11	12	13		14	15	16		17	18	19	20	21	22	23		24		
DISTANZE PROGRESSIVE [m]	0.00		12.24		16.94	19.80		23.62		25.42		36.42		39.72	42.53		46.48		52.63		56.01		60.72	63.42	68.47	73.26		78.66	80.66		86.26	89.24	91.46	96.66	99.02	101.62	
DISTANZE PARZIALI [m]	0.00	12.24	4.70	3.86	2.86	3.82	8.13	1.80	10.70		2.54	10.99	3.30	2.81	3.95	9.20	7.40	3.69	5.37	3.38	4.71	4.77	4.04	5.48	5.56	4.79	5.40	2.00	5.60	2.98	2.22	5.20	2.36	2.60	
QUOTE [m s.l.m.m.]	8.32	8.25	8.25	8.25	8.25	8.25	8.25	8.25	8.25	8.25	8.25	8.25	8.25	8.25	8.25	8.25	8.25	8.25	8.25	8.25	8.25	8.25	8.25	8.25	8.25	8.25	8.25	8.25	8.25	8.25	8.25	8.25	8.25	8.25	

SEZIONE 11AN



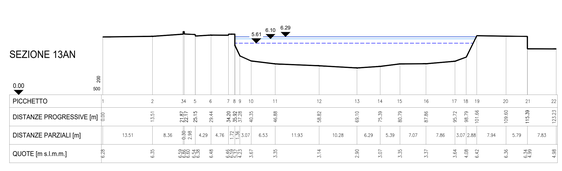
PICCHETTO	1		2	3	4	5	6	7	8	9		10	11		12	13		14		15		16	17	18	19	20	21		22		23		
DISTANZE PROGRESSIVE [m]	0.00		13.28		17.85		22.35	25.08	28.74		33.44		39.27		46.51		51.28		57.75		64.57		71.59		76.80	80.82	84.50	86.56	89.82	92.46	94.85		99.45		110.89
DISTANZE PARZIALI [m]	0.00	10.13	3.15	4.48	4.50	2.73	1.34	2.73	3.66	1.34	4.82	6.69	5.83	9.24	4.88	8.77	7.42	12.02	4.23	3.82	3.26	2.06	3.26	5.21	4.02	3.68	3.26	2.06	3.26	2.64	2.39	4.60	11.09	11.24	
QUOTE [m s.l.m.m.]	7.82	7.82	7.82	7.82	7.82	7.82	7.82	7.82	7.82	7.82	7.82	7.82	7.82	7.82	7.82	7.82	7.82	7.82	7.82	7.82	7.82	7.82	7.82	7.82	7.82	7.82	7.82	7.82	7.82	7.82	7.82	7.82	7.82	7.82	

SEZIONE 12AN



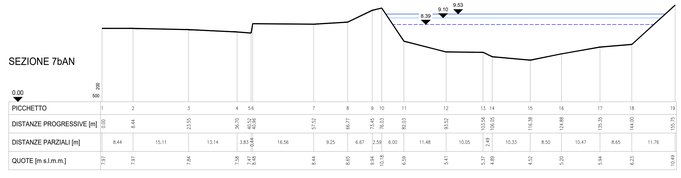
PICCHETTO	1			2	3	4	5		6	7	8		9		10		11		12		13		14		15	16	17	18		19	20		
DISTANZE PROGRESSIVE [m]	0.00				11.07	13.25			17.64		22.21	23.91	25.74		29.68		36.37		41.50		48.05		60.86	63.45		76.18		84.20	85.67		89.87		100.72	103.72
DISTANZE PARZIALI [m]	0.00	10.02		4.39	4.51	2.18	1.83	3.17		7.69		5.13	6.55		12.82		8.59		6.73		1.24	2.59	12.82	2.59	12.73	8.02	1.47	4.20		11.85		10.85	3.00
QUOTE [m s.l.m.m.]	7.35	7.35	7.35	7.35	7.35	7.35	7.35	7.35	7.24	7.24	7.24	7.24	7.24	7.24	7.24	7.24	7.24	7.24	7.24	7.24	7.24	7.24	7.24	7.24	7.24	7.24	7.24	7.24	7.24	7.24	7.24	7.24	7.24

SEZIONE 13AN



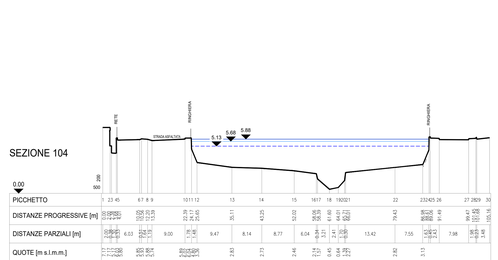
PICCHETTO	1		2		3	4	5		6	7	8	9	10		11		12		13		14	15	16		17	18	19		20	21	22			
DISTANZE PROGRESSIVE [m]	0.00			13.51		21.87	25.15		29.44		34.39	36.85	40.18		46.53		54.53		60.19	63.72	67.26	70.39	75.78	80.79		87.66		95.73	98.46	101.61		109.60		115.39		123.23
DISTANZE PARZIALI [m]	0.00	13.51		8.36	3.28	4.29	4.76	3.07	6.53		11.93		10.28		6.29	5.39	7.07		7.86	3.07	3.54	3.13	5.39	5.01		6.87		8.07	2.73	3.15		7.99		5.79		7.83
QUOTE [m s.l.m.m.]	6.28	6.28		6.28	6.28	6.28	6.28	6.28	6.28	6.28	6.28	6.28	6.28	6.28	6.28	6.28	6.28	6.28	6.28	6.28	6.28	6.28	6.28	6.28	6.28	6.28	6.28	6.28	6.28	6.28	6.28	6.28	6.28	6.28

SEZIONE 7bAN

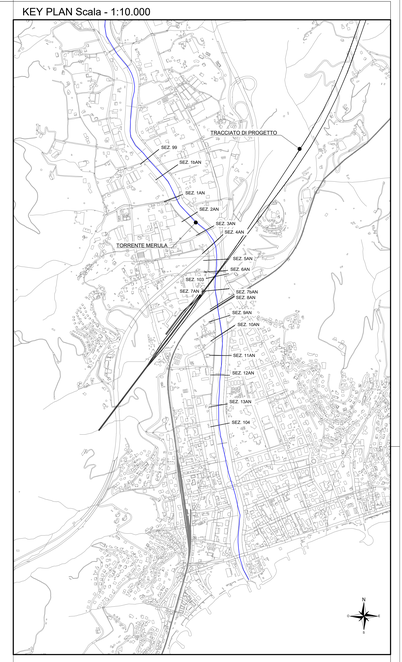


PICCHETTO	1		2		3		4	5	6		7		8		9	10		11		12		13	14		15		16		17		18		19	
DISTANZE PROGRESSIVE [m]	0.00																																
DISTANZE PARZIALI [m]	0.00	8.44		15.11		13.14		3.83	3.44		16.56		9.25		6.67	2.59	6.00		11.48		10.05		3.49	10.33		8.50		10.47		8.65		11.76	
QUOTE [m s.l.m.m.]	7.37	7.37		7.84		7.58		8.43	8.43		8.44		8.60		9.04	10.18		6.09		5.41		5.37	4.89		4.52		5.20		5.04		6.23	

SEZIONE 104



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																																										
DISTANZE PARZIALI [m]	0.00	6.03		2.04	4.52		9.00		2.39	2.82	2.15	9.47		8.14		8.77		6.04	2.41	2.41	2.41	13.42		7.55	2.41	2.41	2.41	7.98		2.41	2.41	2.41	2.41		2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41
QUOTE [m s.l.m.m.]	7.11	7.11	7.11	7.11	7.11	7.11	7.11	7.11	7.11	7.11	7.11	7.11	7.11	7.11	7.11	7.11	7.11	7.11	7.11	7.11	7.11	7.11	7.11	7.11	7.11	7.11	7.11	7.11	7.11	7.11	7.11	7.11	7.11	7.11	7.11	7.11	7.11	7.11	7.11	7.11	7.11	7.11	7.11	7.11	7.11



LEGENDA

- LIVELLO TR500
- LIVELLO TR200
- 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 - 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 1 1	A

Rev.	Descrizione	Redatto	Data	Verificato	Data	Approvato	Data	Autorizzato Data
A	Emissione esecutiva	D. Pirovano	Dic 2021	C. Casati	Dic 2021	S. Fadda	Dic 2021	A. Velasco Dicembre 2021

ORDINE DEGLI INGEGNERI della Provincia di Milano Sezione A Settore Civile e Ambientale Dott. Ing. Stefano Fadda n° 21925

File: IVI000D09WZID0002011A.dwg — n. Elab.: X