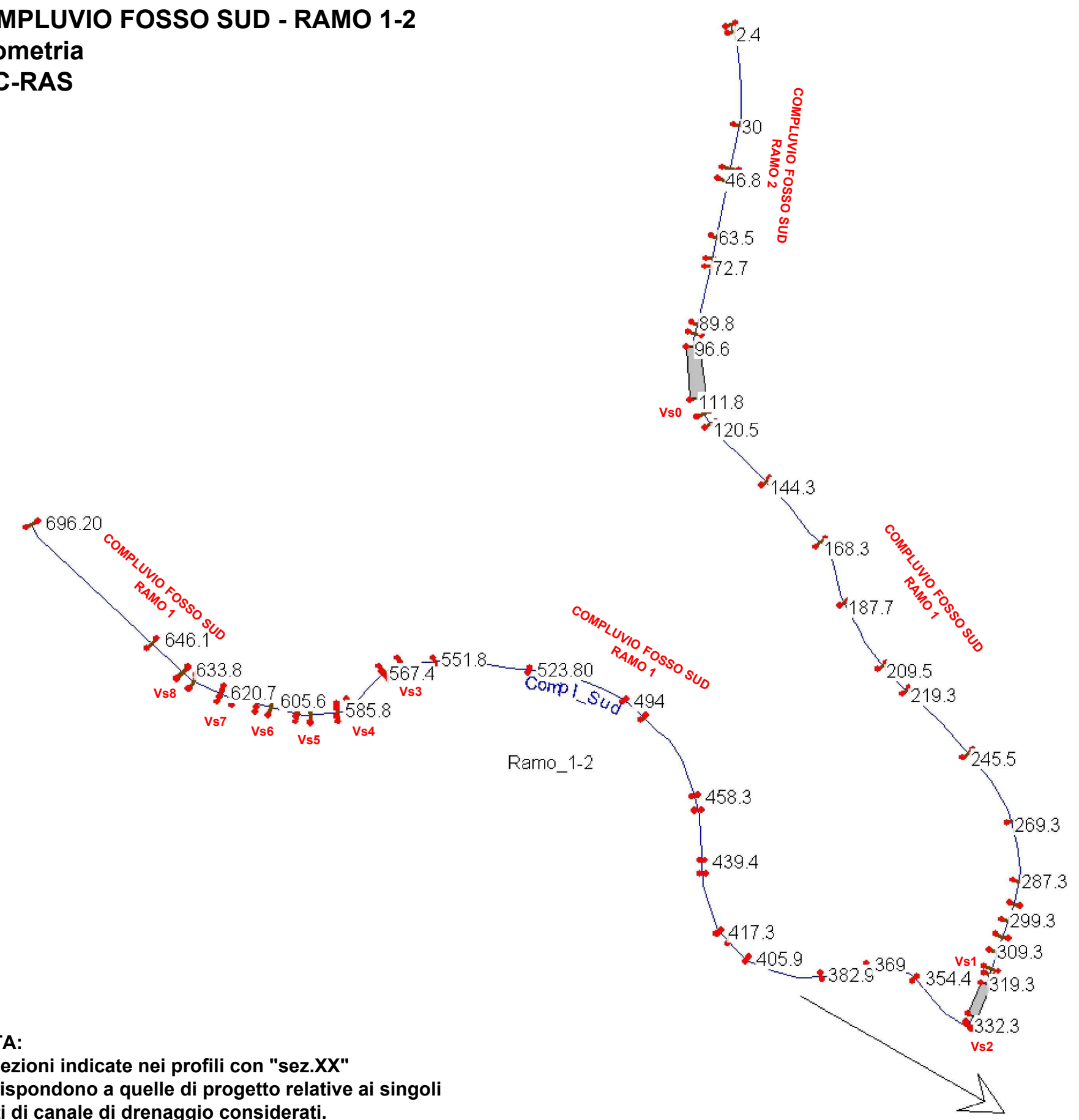


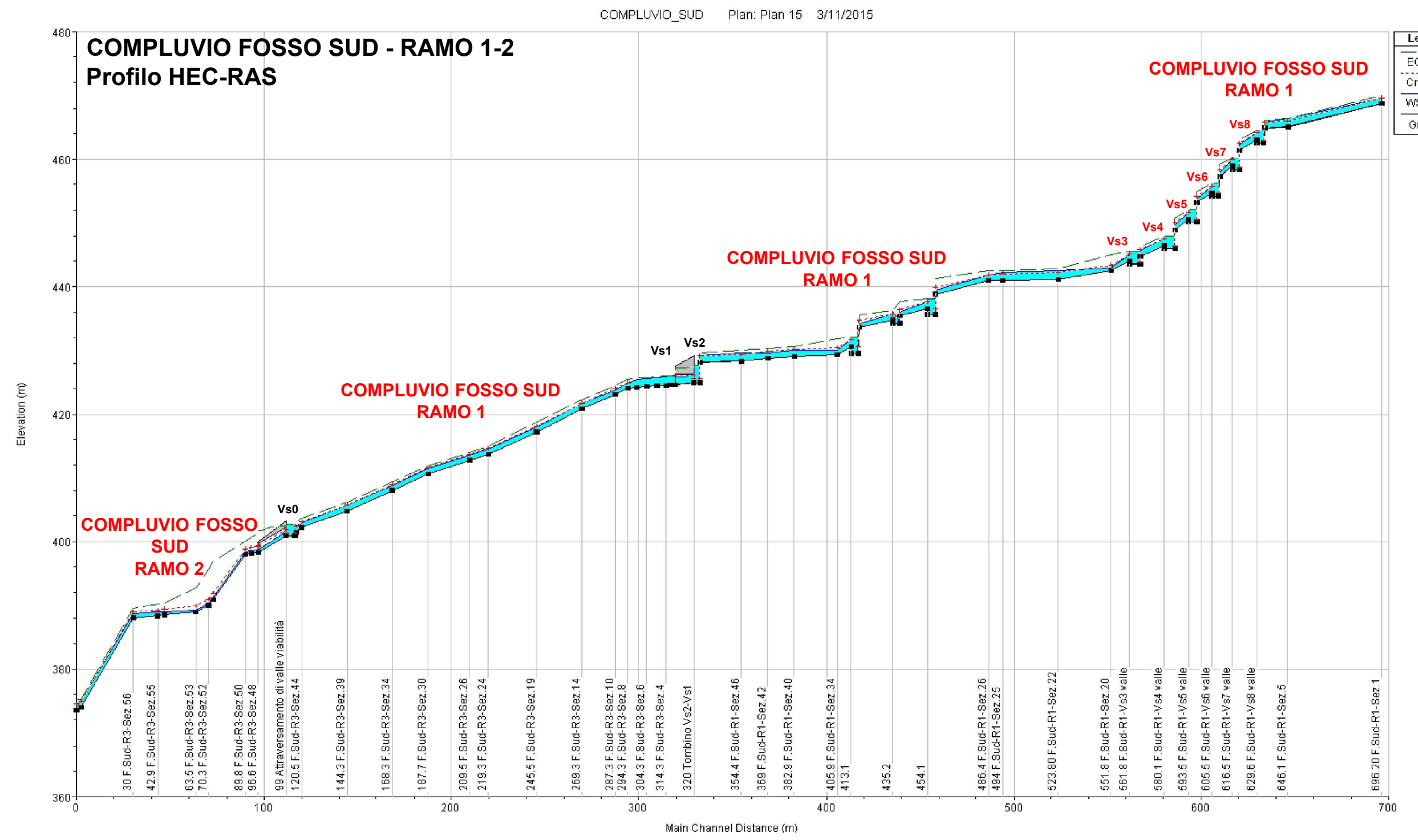
COMPLUVIO FOSSO SUD - RAMO 1-2
Tabella HEC-RAS

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	F.G. Elev (m)	F.G. Slope (1/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Ramo_1-2	696.20	Q20	4.57	468.73	469.67	469.67	0.070823	2.51	1.82	2.51	2.88	1.01
Ramo_1-2	646.1	Q20	4.57	465.03	466.37	465.97	0.016433	1.45	3.15	3.69	0.50	
Ramo_1-2	633.8	Q20	4.57	464.83	465.77	465.77	0.070600	2.51	1.82	2.88	1.01	
Ramo_1-2	633.7	Q20	4.57	462.53	464.53	462.97	0.000809	0.46	9.98	5.00	0.10	
Ramo_1-2	629.7	Q20	4.57	462.53	464.53	464.53	0.000813	0.46	9.96	5.00	0.10	
Ramo_1-2	629.8	Q20	4.57	463.03	464.09	464.09	0.092040	2.80	1.63	2.06	1.01	
Ramo_1-2	620.7	Q20	4.57	462.46	463.10	462.46	0.287468	4.30	1.06	1.77	1.77	
Ramo_1-2	620.6	Q20	4.57	458.39	460.39	458.83	0.000809	0.46	9.98	5.00	0.10	
Ramo_1-2	616.6	Q20	4.57	458.39	460.38	460.39	0.000812	0.46	9.97	5.00	0.10	
Ramo_1-2	616.5	Q20	4.57	458.89	459.95	459.95	0.092039	2.80	1.63	2.06	1.01	
Ramo_1-2	609.7	Q20	4.57	457.25	457.95	458.31	0.381415	4.83	0.95	1.70	2.07	
Ramo_1-2	609.6	Q20	4.57	454.25	456.25	454.69	0.000809	0.46	9.98	5.00	0.10	
Ramo_1-2	605.6	Q20	4.57	454.25	456.24	456.25	0.000813	0.46	9.96	5.00	0.10	
Ramo_1-2	605.5	Q20	4.57	454.75	455.81	455.81	0.092039	2.80	1.63	2.06	1.01	
Ramo_1-2	597.7	Q20	4.57	453.11	453.84	454.17	0.380039	4.57	1.00	1.73	1.92	
Ramo_1-2	597.6	Q20	4.57	450.11	452.11	450.55	0.000809	0.46	9.98	5.00	0.10	
Ramo_1-2	593.6	Q20	4.57	450.11	452.10	452.11	0.000813	0.46	9.96	5.00	0.10	
Ramo_1-2	593.5	Q20	4.57	450.61	451.67	451.67	0.092040	2.80	1.63	2.06	1.01	
Ramo_1-2	589.8	Q20	4.57	448.32	449.70	450.09	0.342375	4.60	0.99	1.73	1.93	
Ramo_1-2	585.7	Q20	4.57	445.97	447.97	446.41	0.000807	0.46	9.99	5.00	0.10	
Ramo_1-2	580.2	Q20	4.57	445.97	447.96	447.97	0.000812	0.46	9.97	5.00	0.10	
Ramo_1-2	580.1	Q20	4.57	446.47	447.53	447.53	0.092040	2.80	1.63	2.06	1.01	
Ramo_1-2	574.2	Q20	4.57	444.83	445.89	446.36	0.169343	3.53	1.30	1.89	1.96	
Ramo_1-2	567.3	Q20	4.57	443.50	445.57	444.94	0.000735	0.44	10.34	5.00	0.10	
Ramo_1-2	561.9	Q20	4.57	443.50	445.56	445.57	0.000739	0.44	10.30	5.00	0.10	
Ramo_1-2	561.8	Q20	5.77	444.00	445.01	445.01	0.016855	3.17	1.82	1.80	1.01	
Ramo_1-2	551.8	Q20	5.77	442.42	442.92	443.43	0.115211	6.40	0.90	1.80	2.89	
Ramo_1-2	523.80	Q20	5.77	441.18	442.57	442.19	0.007500	2.31	2.49	1.80	0.63	
Ramo_1-2	494	Q20	5.77	441.00	442.14	442.01	0.012445	2.82	2.05	1.80	0.84	
Ramo_1-2	496.4	Q20	5.77	440.90	441.91	441.91	0.016868	3.17	1.82	1.80	1.01	
Ramo_1-2	458.3	Q20	5.77	438.80	439.41	441.33	0.102479	6.13	0.94	1.80	2.70	
Ramo_1-2	458.2	Q20	5.77	435.59	438.08	436.60	0.001800	1.29	4.48	1.80	0.26	
Ramo_1-2	454.2	Q20	5.77	435.59	438.07	438.16	0.001813	1.29	4.47	1.80	0.26	
Ramo_1-2	454.1	Q20	5.77	436.59	437.60	437.60	0.016875	3.17	1.82	1.80	1.01	
Ramo_1-2	439.4	Q20	5.77	435.42	436.00	436.43	0.076187	5.52	1.05	1.80	2.31	
Ramo_1-2	439.3	Q20	5.77	434.19	434.62	435.20	0.176574	7.40	0.78	1.80	3.59	
Ramo_1-2	435.3	Q20	5.77	434.19	435.20	435.20	0.003304	1.66	3.47	1.80	0.98	
Ramo_1-2	435.2	Q20	5.77	434.70	435.71	435.71	0.016875	3.17	1.82	1.80	1.01	
Ramo_1-2	417.3	Q20	5.77	433.68	434.31	434.69	0.060489	5.08	1.14	1.80	2.04	
Ramo_1-2	417.2	Q20	5.77	429.58	432.07	430.59	0.001800	1.29	4.48	1.80	0.26	
Ramo_1-2	413.2	Q20	5.77	429.58	432.06	432.15	0.001814	1.29	4.47	1.80	0.26	
Ramo_1-2	413.1	Q20	5.77	430.58	431.59	431.59	0.016875	3.17	1.82	1.80	1.01	
Ramo_1-2	405.9	Q20	5.77	429.44	429.85	431.74	0.080798	5.97	0.98	1.80	2.24	
Ramo_1-2	392.9	Q20	5.77	429.07	430.05	430.58	0.016805	3.25	1.78	1.80	1.04	
Ramo_1-2	369	Q20	5.77	428.77	429.70	429.78	0.021152	3.45	1.67	1.80	1.14	
Ramo_1-2	354.4	Q20	5.77	428.30	429.67	429.31	0.007727	2.34	2.47	1.80	0.64	
Ramo_1-2	332.3	Q20	5.77	428.16	429.17	429.17	0.016805	3.16	1.82	1.80	1.00	
Ramo_1-2	332.2	Q20	5.77	424.91	427.75	425.63	0.002094	0.68	8.51	3.00	0.13	
Ramo_1-2	329	Q20	5.77	424.91	427.74	425.63	0.002106	0.68	8.49	3.00	0.13	
Ramo_1-2	319.3	Q20	5.77	424.61	426.01	426.10	0.012945	1.38	4.19	3.00	0.37	
Ramo_1-2	316.3	Q20	5.77	424.61	425.96	426.06	0.014247	1.43	4.05	3.00	0.39	
Ramo_1-2	314.3	Q20	6.20	424.56	425.85	426.02	0.023532	1.81	3.42	3.29	0.57	
Ramo_1-2	309.3	Q20	6.20	424.45	425.73	425.90	0.024483	1.84	3.37	3.28	0.58	
Ramo_1-2	304.3	Q20	6.20	424.33	425.60	425.79	0.024890	1.85	3.35	3.27	0.58	
Ramo_1-2	299.3	Q20	6.20	424.22	425.48	425.64	0.027185	1.91	3.24	3.24	0.61	
Ramo_1-2	294.3	Q20	6.20	424.11	425.02	425.02	0.074327	2.76	2.24	2.91	1.01	
Ramo_1-2	287.3	Q20	6.20	423.10	423.77	424.01	0.201345	3.95	1.57	2.67	1.64	
Ramo_1-2	269.3	Q20	6.20	420.85	421.72	421.76	0.088481	2.94	2.11	2.87	1.10	
Ramo_1-2	245.5	Q20	6.20	417.25	417.88	418.16	0.249204	4.25	1.46	2.63	1.82	
Ramo_1-2	219.3	Q20	6.20	413.61	414.46	414.52	0.092448	2.99	2.07	2.85	1.12	
Ramo_1-2	209.5	Q20	6.20	412.72	413.63	414.03	0.089144	2.95	2.10	2.86	1.10	
Ramo_1-2	187.7	Q20	6.20	410.55	411.41	411.50	0.105548	3.14	1.98	2.82	1.20	
Ramo_1-2	168.3	Q20	6.20	408.04	408.77	408.95	0.156001	3.61	1.72	2.73	1.45	
Ramo_1-2	144.3	Q20	6.20	404.89	405.69	405.80	0.113233	3.22	1.93	2.80	1.24	
Ramo_1-2	120.5	Q20	6.20	402.22	403.03	403.13	0.111289	3.20	1.94	2.81	1.23	
Ramo_1-2	116.8	Q20	6.20	401.44	402.10	402.36	0.225450	4.11	1.51	2.58	1.72	
Ramo_1-2	111.8	Q20	6.20	400.82	402.64	401.36	0.001940	0.68	9.12	5.00	0.16	
Ramo_1-2	111.8	Q20	6.20	400.82	402.63	401.36	0.001940	0.68	9.07	5.00	0.16	
Ramo_1-2	99	Culvert	6.20	398.30	398.71	399.21	0.143300	6.91	0.90	2.41	3.61	
Ramo_1-2	96.6	Q20	6.20	398.14	398.59	399.05	0.104196	6.20	1.00	2.45	3.10	
Ramo_1-2	89.8	Q20	6.20	396.00	398.48	398.91	0.084592	5.77	1.07	2.48	2.80	
Ramo_1-2	72.7	Q20	6.20	391.28	391.91	396.98	0.500340	10.49	0.59	2.28	6.57	
Ramo_1-2	70.3	Q20	6.20	390.00	390.98	395.65	0.468400	10.26	0.60	2.28	6.37	
Ramo_1-2	63.5	Q20	6.20	389.00	389.34	389.91	0.245586	8.28	0.75	2.34	4.68	
Ramo_1-2	46.8	Q20	6.20	388.50	389.03	389.41	0.060991	5.16	1.20	2.53	2.39	
Ramo_1-2	42.9	Q20	6.20	388.38	388.95	389.29	0.049643	4.80	1.29	2.57	2.16	
Ramo_1-2	30	Q20	6.20	388.00	388.64	389.91	0.002491	4.14	1.50	2.64	1.76	
Ramo_1-2	2.4	Q20	6.20	374.00	374.91	375.30	0.010465	2.76	2.24	2.91	1.01	
Ramo_1-2	0	Q20	6.20	373.50	374.11	374.44	0.043345	4.80	1.35	2.41	1.96	

COMPLUVIO FOSSO SUD - RAMO 1-2
Geometria HEC-RAS



NOTA:
 Le sezioni indicate nei profili con "sez.XX" corrispondono a quelle di progetto relative ai singoli tratti di canale di drenaggio considerati.



COMMITTENTE:

 RETE FERROVIARIA ITALIANA
 GRUPPO FERROVIE DELLO STATO ITALIANE

ALTA Sorveglianza:

 GRUPPO FERROVIE DELLO STATO ITALIANE

GENERAL CONTRACTOR:

 Consorzio Collegamenti Integrati Veloci

INFRASTRUTTURE FERROVIARIE STRATEGICHE DEFINITE DALLA
 LEGGE OBIETTIVO N.443/01
 TRATTA A.V./A.C. TERZO VALICO DEI GIOVI
 PROGETTO DEFINITIVO

RIQUALIFICAZIONE AMBIENTALE VAL LEMME
Smaltimenti acque superficiali
 Colatore sud - Geometria, profili e tabelle output
 modello HEC-RAS

GENERAL CONTRACTOR	ITALFERR S.p.A.		SCALA:
Conorzio Cociv Project Manager Ing. E. Pagani			VARIE
Data: 15/10/2015			

COMMESSA	LOTTO	FASE	ENTE	TIPO DOC.	OPERA/DISCIPLINA	PROGR.	REV.
A 3 0 1	0 0	D	C V	A Z	D P 0 4 0 0	0 1 2	E

Rev.	Descrizione emissione	Redatto	Data	Verificato	Data	Progettista Integratore	Data	IL PROGETTISTA
E00	Prima emissione	FOLTRAN	15/10/2015	PANIZZA	15/10/2015	A. Mancarella	15/10/2015	