





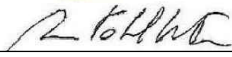








**S.S. N. 9 "VIA EMILIA"
VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE
PASSAGGIO A LIVELLO SULLA S.P. EX S.S. N.234**

PROGETTO ESECUTIVO

 Ing. Renato Vaira <small>(Ordine degli Ingg. di Torino e Provincia n° 4863 W)</small>	ING. RENATO DEL PRETE Ing. Renato Del Prete <small>Ordine degli Ingg. di Bari e provincia n° 5073</small>	DOTT. GEOL. DANILO GALLO Dott. Geol. Danilo Gallo <small>Ordine dei Geologi della Regione Puglia n° 588</small>	INTEGRAZIONE PRESTAZIONI Ing. Renato Del Prete	PROGETTISTA Ing. Valerio Bajetti <small>(I.T. S.r.l.)</small>
			PROGETTAZIONE STRADALE Ing. Gaetano Ranieri <small>(Ga&M S.r.l.)</small>	PROGETTAZIONE IDRAULICA Ing. Fabrizio Bajetti <small>(I.T. S.r.l.)</small>
 Ing. Valerio Bajetti <small>Ordine degli Ingg. di Roma e provincia n° A-26211</small>	SETAC Srl Servizi & Engineering Trasporti Ambiente Costruzioni Prof. Ing. Luigi Monterisi <small>Ordine degli Ingg. di Bari e provincia n° 1771</small>	 Ing. Gabriele Incecchi <small>Ordine degli Ingg. di Roma e provincia n° A-12102</small>	PROGETTAZIONE OPERE D'ARTE MAGGIORI Ing. Renato Vaira <small>(Studio Corona S.r.l.)</small>	PROGETTAZIONE OPERE D'ARTE MINORI Ing. Nicola Ligas <small>(I.T. S.r.l.)</small>
			COMPUTI Ing. Valerio Bajetti <small>(I.T. S.r.l.)</small>	CANTIERISTICA Ing. Gaetano Ranieri <small>(Ga&M S.r.l.)</small>
 Prof. Ing. Matteo Ranieri <small>Ordine degli Ingg. di Bari e provincia n° 1137</small>	ECOPLAN <small>Società di Ingegneria e Architettura</small> Arch. Nicoletta Frattini <small>Ordine degli Arch. di Torino e provincia n° A-8433</small>	ARKE' INGEGNERIA s.r.l. <small>Via Imperatore Traiano s.n.c. - 70124 Bari</small> Ing. Giocchino Angarano <small>Ordine degli Ingg. di Bari e provincia n° 5970</small>	GEOLOGIA Dott. Danilo Gallo	GEOTECNICA Ing. Gianfranco Sodero <small>(Studio Corona S.r.l.)</small>
			AMBIENTE Dott. Emilio Macchi <small>(ECOPLAN S.r.l.)</small>	SICUREZZA Ing. Gaetano Ranieri <small>(Ga&M S.r.l.)</small>
VISTO: IL RESPONSABILE DEL PROCEDIMENTO  Dott. Ing. Fabrizio CARDONE	IL RESPONSABILE DELLA INTEGRAZIONE DELLE PRESTAZIONI SPECIALISTICHE   Ing. Renato DEL PRETE	PROGETTISTA   Ing. Valerio BAJETTI	GEOLOGO   Dott. Danilo GALLO	IL COORDINATORE DELLA SICUREZZA IN FASE DI PROGETTAZIONE   Ing. Gaetano RANIERI

FB113

F - PROGETTO IDRAULICO

FB - RETICOLO IDROGRAFICO

TABULATO MOVIMENTI MATERIA CANALE N.22 DX

CODICE PROGETTO PROGETTO LIV. PROG. N. PROG. COMI E 1701		NOME FILE FB113-T00ID02IDRCM17_A.dwg	REVISIONE A	SCALA: ----
CODICE ELAB. T00ID02IDRCM17				
D				
C				
B				
A	EMISSIONE	GIUGNO 2018	ING. GIUSEPPE CRISA'	PROF. ING. LUIGI MONTERISI
REV.	DESCRIZIONE	DATA	REDATTO	VERIFICATO
				ING. VALERIO BAJETTI
				APPROVATO

		CALCOLO DELLE AREE	Foglio n. 1		
SCAVO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
SEZ-1 0.00	SC1	(5.94--4.04) x (62.69+62.71) / 2 (6.02-5.94) x (62.69+62.69) / 2 (4.83-6.02) x (61.50+62.69) / 2 (2.00-4.83) x (58.67+61.50) / 2 (0.00-2.00) x (58.67+58.67) / 2 (-2.83-0.00) x (61.50+58.67) / 2 (-4.04--2.83) x (62.71+61.50) / 2	625.75 5.02 -73.89 -170.04 -117.34 -170.04 -75.15		
SEZ.-1 bis 10.00	SC1	(3.29--4.05) x (62.70+62.71) / 2 (6.04-3.29) x (62.71+62.70) / 2 (4.83-6.04) x (61.50+62.71) / 2 (2.00-4.83) x (58.67+61.50) / 2 (0.00-2.00) x (58.67+58.67) / 2 (-2.83-0.00) x (61.50+58.67) / 2 (-4.05--2.83) x (62.71+61.50) / 2	460.25 172.44 -75.15 -170.04 -117.34 -170.04 -75.77	24.31	
SEZ-2 25.00	SC1	(0.59--2.92) x (62.71+62.71) / 2 (4.93-0.59) x (62.72+62.71) / 2 (3.70-4.93) x (61.49+62.72) / 2 (2.00-3.70) x (59.79+61.49) / 2 (1.00-2.00) x (59.79+59.79) / 2 (0.00-1.00) x (59.79+59.79) / 2 (-1.70-0.00) x (61.49+59.79) / 2 (-2.92--1.70) x (62.71+61.49) / 2	220.11 272.18 -76.39 -103.09 -59.79 -59.79 -103.09 -75.76		
SEZ-3 50.00	SC1	(-0.98--2.90) x (62.68+62.68) / 2 (4.91--0.98) x (62.69+62.68) / 2 (3.70-4.91) x (61.48+62.69) / 2 (2.00-3.70) x (59.78+61.48) / 2 (1.00-2.00) x (59.78+59.78) / 2 (0.00-1.00) x (59.78+59.78) / 2 (-1.70-0.00) x (61.48+59.78) / 2 (-2.90--1.70) x (62.68+61.48) / 2	120.35 369.21 -75.12 -103.07 -59.78 -59.78 -103.07 -74.50	14.38	
SEZ-4 75.00	SC1	(4.94--2.94) x (62.71+62.72) / 2 (3.70-4.94) x (61.47+62.71) / 2 (2.00-3.70) x (59.77+61.47) / 2 (1.00-2.00) x (59.77+59.77) / 2 (0.00-1.00) x (59.77+59.77) / 2 (-1.70-0.00) x (61.47+59.77) / 2 (-2.94--1.70) x (62.72+61.47) / 2	494.19 -76.99 -103.05 -59.77 -59.77 -103.05 -77.00		
SEZ-5 100.00	SC1	(4.96--2.95) x (62.72+62.72) / 2 (3.70-4.96) x (61.46+62.72) / 2 (2.00-3.70) x (59.76+61.46) / 2 (1.00-2.00) x (59.76+59.76) / 2 (0.00-1.00) x (59.76+59.76) / 2 (-1.70-0.00) x (61.46+59.76) / 2 (-2.95--1.70) x (62.72+61.46) / 2	496.12 -78.23 -103.04 -59.76 -59.76 -103.04 -77.61	14.56	
SEZ-6 125.00	SC1	(-2.48--3.02) x (62.77+62.77) / 2 (3.26--2.48) x (62.75+62.77) / 2 (3.93-3.26) x (62.70+62.75) / 2 (4.95-3.93) x (62.70+62.70) / 2 (3.70-4.95) x (61.45+62.70) / 2 (2.00-3.70) x (59.75+61.45) / 2 (1.00-2.00) x (59.75+59.75) / 2 (0.00-1.00) x (59.75+59.75) / 2 (-1.70-0.00) x (61.45+59.75) / 2 (-3.02--1.70) x (62.77+61.45) / 2	33.90 360.24 42.03 63.95 -77.59 -103.02 -59.75 -59.75 -103.02 -81.99		
- 131.42	SC1	(0.39--2.08) x (61.81+61.83) / 2 (1.68-0.39) x (62.21+61.81) / 2 (3.58-1.68) x (62.86+62.21) / 2 (5.10-3.58) x (62.85+62.86) / 2 (3.70-5.10) x (61.45+62.85) / 2 (2.00-3.70) x (59.75+61.45) / 2 (1.00-2.00) x (59.75+59.75) / 2 (0.00-1.00) x (59.75+59.75) / 2 (-1.70-0.00) x (61.45+59.75) / 2 (-2.08--1.70) x (61.83+61.45) / 2	152.70 79.99 118.82 95.54 -87.01 -103.02 -59.75 -59.75 -103.02 -23.42	15.00	
SEZ-7 150.00	SC1	(4.87--3.12) x (62.88+62.86) / 2 (5.14-4.87) x (62.88+62.88) / 2 (3.70-5.14) x (61.44+62.88) / 2 (2.00-3.70) x (59.74+61.44) / 2 (1.00-2.00) x (59.74+59.74) / 2 (0.00-1.00) x (59.74+59.74) / 2 (-1.70-0.00) x (61.44+59.74) / 2 (-3.12--1.70) x (62.86+61.44) / 2	502.33 16.98 -89.51 -103.00 -59.74 -59.74 -103.00 -88.25	11.08	
SEZ-8 175.00	SC1	(3.60--3.10) x (62.86+62.83) / 2 (5.15-3.60) x (62.88+62.86) / 2 (3.70-5.15) x (61.43+62.88) / 2 (2.00-3.70) x (59.73+61.43) / 2 (1.00-2.00) x (59.73+59.73) / 2 (0.00-1.00) x (59.73+59.73) / 2 (-1.70-0.00) x (61.43+59.73) / 2 (-3.10--1.70) x (62.83+61.43) / 2	421.06 97.45 -90.12 -102.99 -59.73 -59.73 -102.99 -86.98	16.07	
SEZ-9 200.00	SC1	(-2.09--3.12) x (62.85+62.84) / 2 (4.04--2.09) x (62.87+62.85) / 2 (4.83-4.04) x (62.87+62.87) / 2	64.73 385.33 49.67	15.97	
A RIPORTARE mq			499.73		

		CALCOLO DELLE AREE	Foglio n. 2		
SCAVO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq			499.73		
SEZ-10 225.00	SC1	(5.15-4.83) x (62.87+62.87) / 2 (3.70-5.15) x (61.41+62.87) / 2 (2.00-3.70) x (59.71+61.41) / 2 (1.00-2.00) x (59.71+59.71) / 2 (0.00-1.00) x (59.71+59.71) / 2 (-1.70-0.00) x (61.41+59.71) / 2 (-3.12--1.70) x (62.84+61.41) / 2	20.12 -90.10 -102.95 -59.71 -59.71 -102.95 -88.22	16.21	
SEZ-11 250.00	SC1	(-1.61--3.12) x (62.77+62.82) / 2 (0.29--1.61) x (62.78+62.77) / 2 (5.08-0.29) x (62.79+62.78) / 2 (3.70-5.08) x (61.40+62.79) / 2 (2.00-3.70) x (59.70+61.40) / 2 (1.00-2.00) x (59.70+59.70) / 2 (0.00-1.00) x (59.70+59.70) / 2 (-1.70-0.00) x (61.40+59.70) / 2 (-3.12--1.70) x (62.82+61.40) / 2	94.82 119.27 300.74 -85.69 -102.94 -59.70 -59.70 -102.93 -88.20	15.67	
SEZ-12 275.00	SC1	(-0.54--2.99) x (62.69+62.68) / 2 (5.01--0.54) x (62.70+62.69) / 2 (3.70-5.01) x (61.39+62.70) / 2 (2.00-3.70) x (59.69+61.39) / 2 (1.00-2.00) x (59.69+59.69) / 2 (0.00-1.00) x (59.69+59.69) / 2 (-1.70-0.00) x (61.39+59.69) / 2 (-2.99--1.70) x (62.68+61.39) / 2	153.58 347.96 -81.28 -102.92 -59.69 -59.69 -102.92 -80.03	15.01	
SEZ-13 300.00	SC1	(0.60--2.99) x (62.68+62.67) / 2 (5.00-0.60) x (62.68+62.68) / 2 (3.70-5.00) x (61.38+62.68) / 2 (2.00-3.70) x (59.68+61.38) / 2 (1.00-2.00) x (59.68+59.68) / 2 (0.00-1.00) x (59.68+59.68) / 2 (-1.70-0.00) x (61.38+59.68) / 2 (-2.99--1.70) x (62.67+61.38) / 2	225.00 275.79 -80.64 -102.90 -59.68 -59.68 -102.90 -80.01	14.98	
SEZ-14 325.00	SC1	(5.00--2.97) x (62.66+62.64) / 2 (3.70-5.00) x (61.37+62.66) / 2 (2.00-3.70) x (59.67+61.37) / 2 (1.00-2.00) x (59.67+59.67) / 2 (0.00-1.00) x (59.67+59.67) / 2 (-1.70-0.00) x (61.37+59.67) / 2 (-2.97--1.70) x (62.64+61.37) / 2	499.32 -80.62 -102.88 -59.67 -59.67 -102.88 -78.75	14.85	
SEZ-15 350.00	SC1	(4.99--2.98) x (62.65+62.64) / 2 (3.70-4.99) x (61.36+62.65) / 2 (2.00-3.70) x (59.66+61.36) / 2 (1.00-2.00) x (59.66+59.66) / 2 (0.00-1.00) x (59.66+59.66) / 2 (-1.70-0.00) x (61.36+59.66) / 2 (-2.98--1.70) x (62.64+61.36) / 2	499.28 -79.99 -102.87 -59.66 -59.66 -102.87 -79.36	14.87	
SEZ-16 375.00	SC1	(0.17--2.96) x (62.61+62.61) / 2 (5.15-0.17) x (62.80+62.61) / 2 (3.70-5.15) x (61.35+62.80) / 2 (2.00-3.70) x (59.65+61.35) / 2 (1.00-2.00) x (59.65+59.65) / 2 (0.00-1.00) x (59.65+59.65) / 2 (-1.70-0.00) x (61.35+59.65) / 2 (-2.96--1.70) x (62.61+61.35) / 2	195.97 312.27 -90.01 -102.85 -59.65 -59.65 -102.85 -78.09	15.14	
SEZ-17 400.00	SC1	(2.74--3.07) x (62.81+62.71) / 2 (5.20-2.74) x (62.84+62.81) / 2 (3.70-5.20) x (61.34+62.84) / 2 (2.00-3.70) x (59.64+61.34) / 2 (1.00-2.00) x (59.64+59.64) / 2 (0.00-1.00) x (59.64+59.64) / 2 (-1.70-0.00) x (61.34+59.64) / 2 (-3.07--1.70) x (62.71+61.34) / 2	364.64 154.55 -93.14 -102.83 -59.64 -59.64 -102.83 -84.97	16.14	
SEZ-18 425.00	SC1	(5.14--3.04) x (62.76+62.66) / 2 (3.70-5.14) x (61.32+62.76) / 2 (2.00-3.70) x (59.62+61.32) / 2 (1.00-2.00) x (59.62+59.62) / 2 (0.00-1.00) x (59.62+59.62) / 2 (-1.70-0.00) x (61.32+59.62) / 2 (-3.04--1.70) x (62.66+61.32) / 2	512.97 -89.34 -102.80 -59.62 -59.62 -102.80 -83.07	15.72	
SEZ-19 450.00	SC1	(5.07--2.97) x (62.68+62.59) / 2 (3.70-5.07) x (61.31+62.68) / 2 (2.00-3.70) x (59.61+61.31) / 2 (1.00-2.00) x (59.61+59.61) / 2 (0.00-1.00) x (59.61+59.61) / 2 (-1.70-0.00) x (61.31+59.61) / 2 (-2.97--1.70) x (62.59+61.31) / 2	503.59 -84.93 -102.78 -59.61 -59.61 -102.78 -78.68	15.20	
SEZ-19 450.00	SC1	(4.94--2.89) x (62.55+62.50) / 2 (3.70-4.94) x (61.30+62.55) / 2 (2.00-3.70) x (59.60+61.30) / 2 (1.00-2.00) x (59.60+59.60) / 2 (0.00-1.00) x (59.60+59.60) / 2	489.57 -76.79 -102.77 -59.60 -59.60		
A RIPORTARE mq			190.81		

		CALCOLO DELLE AREE	Foglio n. 3		
SCAVO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq			190.81		
SEZ-20 475.00	SC1	$(-1.70-0.00) \times (61.30+59.60) / 2$ $(-2.89--1.70) \times (62.50+61.30) / 2$ $(0.02--2.87) \times (62.47+62.47) / 2$ $(4.88-0.02) \times (62.47+62.47) / 2$ $(3.70-4.88) \times (61.29+62.47) / 2$ $(2.00-3.70) \times (59.59+61.29) / 2$ $(1.00-2.00) \times (59.59+59.59) / 2$ $(0.00-1.00) \times (59.59+59.59) / 2$ $(-1.70-0.00) \times (61.29+59.59) / 2$ $(-2.87--1.70) \times (62.47+61.29) / 2$	-102.77 -73.66 180.54 303.60 -73.02 -102.75 -59.59 -59.59 -102.75 -72.40	14.38	
SEZ-21 500.00	SC1	$(-1.87--2.89) \times (62.48+62.48) / 2$ $(4.95--1.87) \times (62.53+62.48) / 2$ $(3.70-4.95) \times (61.29+62.53) / 2$ $(2.00-3.70) \times (59.59+61.29) / 2$ $(1.00-2.00) \times (59.59+59.59) / 2$ $(0.00-1.00) \times (59.59+59.59) / 2$ $(-1.70-0.00) \times (61.29+59.59) / 2$ $(-2.89--1.70) \times (62.48+61.29) / 2$	63.73 426.28 -77.39 -102.75 -59.59 -59.59 -102.75 -73.64	14.04	
SEZ-22 525.00	SC1	$(4.96--2.91) \times (62.54+62.49) / 2$ $(3.70-4.96) \times (61.28+62.54) / 2$ $(2.00-3.70) \times (59.58+61.28) / 2$ $(1.00-2.00) \times (59.58+59.58) / 2$ $(0.00-1.00) \times (59.58+59.58) / 2$ $(-1.70-0.00) \times (61.28+59.58) / 2$ $(-2.91--1.70) \times (62.49+61.28) / 2$	491.99 -78.01 -102.73 -59.58 -59.58 -102.73 -74.88	14.30	
SEZ-23 550.00	SC1	$(5.00--2.93) \times (62.57+62.50) / 2$ $(3.70-5.00) \times (61.27+62.57) / 2$ $(2.00-3.70) \times (59.57+61.27) / 2$ $(1.00-2.00) \times (59.57+59.57) / 2$ $(0.00-1.00) \times (59.57+59.57) / 2$ $(-1.70-0.00) \times (61.27+59.57) / 2$ $(-2.93--1.70) \times (62.50+61.27) / 2$	495.90 -80.50 -102.71 -59.57 -59.57 -102.71 -76.12	14.48	
SEZ-24 575.00	SC1	$(11.17--3.42) \times (68.74+62.99) / 2$ $(3.70-11.17) \times (61.26+68.74) / 2$ $(2.00-3.70) \times (59.56+61.26) / 2$ $(1.00-2.00) \times (59.56+59.56) / 2$ $(0.00-1.00) \times (59.56+59.56) / 2$ $(-1.70-0.00) \times (61.26+59.56) / 2$ $(-3.42--1.70) \times (62.99+61.26) / 2$	960.97 -485.55 -102.70 -59.56 -59.56 -102.70 -106.86	14.72	
SEZ-25 600.00	SC1	$(4.09--3.49) \times (66.12+63.05) / 2$ $(9.28-4.09) \times (66.84+66.12) / 2$ $(3.70-9.28) \times (61.26+66.84) / 2$ $(2.00-3.70) \times (59.56+61.26) / 2$ $(1.00-2.00) \times (59.56+59.56) / 2$ $(0.00-1.00) \times (59.56+59.56) / 2$ $(-1.70-0.00) \times (61.26+59.56) / 2$ $(-3.49--1.70) \times (63.05+61.26) / 2$	489.55 345.03 -357.40 -102.70 -59.56 -59.56 -102.70 -111.26	44.04	
SEZ-26 625.00	SC1	$(6.74--3.37) \times (64.29+62.92) / 2$ $(3.70-6.74) \times (61.25+64.29) / 2$ $(2.00-3.70) \times (59.55+61.25) / 2$ $(1.00-2.00) \times (59.55+59.55) / 2$ $(0.00-1.00) \times (59.55+59.55) / 2$ $(-1.70-0.00) \times (61.25+59.55) / 2$ $(-3.37--1.70) \times (62.92+61.25) / 2$	643.05 -190.82 -102.68 -59.55 -59.55 -102.68 -103.68	41.40	
SEZ-27 650.00	SC1	$(5.09--3.01) \times (62.63+62.56) / 2$ $(3.70-5.09) \times (61.24+62.63) / 2$ $(2.00-3.70) \times (59.54+61.24) / 2$ $(1.00-2.00) \times (59.54+59.54) / 2$ $(0.00-1.00) \times (59.54+59.54) / 2$ $(-1.70-0.00) \times (61.24+59.54) / 2$ $(-3.01--1.70) \times (62.56+61.24) / 2$	507.02 -86.09 -102.66 -59.54 -59.54 -102.66 -81.09	24.09	
SEZ-28 675.00	SC1	$(5.11--3.04) \times (62.65+62.57) / 2$ $(3.70-5.11) \times (61.23+62.65) / 2$ $(2.00-3.70) \times (59.53+61.23) / 2$ $(1.00-2.00) \times (59.53+59.53) / 2$ $(0.00-1.00) \times (59.53+59.53) / 2$ $(-1.70-0.00) \times (61.23+59.53) / 2$ $(-3.04--1.70) \times (62.57+61.23) / 2$	510.27 -87.34 -102.65 -59.53 -59.53 -102.65 -82.95	15.44	
SEZ-29 700.00	SC1	$(-1.57--3.00) \times (62.54+62.52) / 2$ $(5.08--1.57) \times (62.61+62.54) / 2$ $(3.70-5.08) \times (61.23+62.61) / 2$ $(2.00-3.70) \times (59.53+61.23) / 2$ $(1.00-2.00) \times (59.53+59.53) / 2$ $(0.00-1.00) \times (59.53+59.53) / 2$ $(-1.70-0.00) \times (61.23+59.53) / 2$ $(-3.00--1.70) \times (62.52+61.23) / 2$	89.42 416.12 -85.45 -102.65 -59.53 -59.53 -102.65 -80.44	15.62	
SEZ-30 725.00	SC1	$(5.09--3.00) \times (62.61+62.52) / 2$ $(3.70-5.09) \times (61.22+62.61) / 2$ $(2.00-3.70) \times (59.52+61.22) / 2$ $(1.00-2.00) \times (59.52+59.52) / 2$	506.15 -86.06 -102.63 -59.52	15.29	
A RIPORTARE mq			257.94		

		CALCOLO DELLE AREE	Foglio n. 4		
SCAVO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq			257.94		
SEZ-31 750.00	SC1	(0.00-1.00) x (59.52+59.52) / 2 (-1.70-0.00) x (61.22+59.52) / 2 (-3.00--1.70) x (62.52+61.22) / 2 (5.04--2.99) x (62.56+62.50) / 2 (3.70-5.04) x (61.21+62.56) / 2 (2.00-3.70) x (59.51+61.21) / 2 (1.00-2.00) x (59.51+59.51) / 2 (0.00-1.00) x (59.51+59.51) / 2 (-1.70-0.00) x (61.21+59.51) / 2 (-2.99--1.70) x (62.50+61.21) / 2	-59.52 -102.63 -80.43 502.12 -82.93 -102.61 -59.51 -59.51 -102.61 -79.79	15.36	
SEZ-32 775.00	SC1	(-0.23--2.90) x (62.39+62.40) / 2 (4.92--0.23) x (62.42+62.39) / 2 (3.70-4.92) x (61.20+62.42) / 2 (2.00-3.70) x (59.50+61.20) / 2 (1.00-2.00) x (59.50+59.50) / 2 (0.00-1.00) x (59.50+59.50) / 2 (-1.70-0.00) x (61.20+59.50) / 2 (-2.90--1.70) x (62.40+61.20) / 2	166.59 321.39 -75.41 -102.60 -59.50 -59.50 -102.60 -74.16	15.16	
SEZ-33 786.00	SC1	(2.95--4.00) x (62.35+62.37) / 2 (5.99-2.95) x (62.36+62.35) / 2 (4.83-5.99) x (61.20+62.36) / 2 (2.00-4.83) x (58.37+61.20) / 2 (0.00-2.00) x (58.37+58.37) / 2 (-2.83-0.00) x (61.20+58.37) / 2 (-4.00--2.83) x (62.37+61.20) / 2	433.40 189.56 -71.66 -169.19 -116.74 -169.19 -72.29	14.21	
- 790.08	SC1	(4.00--2.88) x (62.46+62.48) / 2 (4.87-4.00) x (62.47+62.46) / 2 (3.70-4.87) x (61.30+62.47) / 2 (2.00-3.70) x (59.60+61.30) / 2 (1.00-2.00) x (59.60+59.60) / 2 (0.00-1.00) x (59.60+59.60) / 2 (-1.70-0.00) x (61.30+59.60) / 2 (-2.88--1.70) x (62.48+61.30) / 2	429.79 54.34 -72.41 -102.77 -59.60 -59.60 -102.77 -73.03	23.89	
- 790.08	SC1	(-2.38--3.11) x (62.82+62.81) / 2 (-0.89--2.38) x (62.77+62.82) / 2 (1.52--0.89) x (62.77+62.77) / 2 (5.08-1.52) x (62.78+62.77) / 2 (3.70-5.08) x (61.40+62.78) / 2 (2.00-3.70) x (59.70+61.40) / 2 (1.00-2.00) x (59.70+59.70) / 2 (0.00-1.00) x (59.70+59.70) / 2 (-1.70-0.00) x (61.40+59.70) / 2 (-3.11--1.70) x (62.81+61.40) / 2	45.85 93.56 151.28 223.48 -85.68 -102.94 -59.70 -59.70 -102.93 -87.57	13.95	
SEZ-34 811.81	SC1	(-2.46--2.80) x (61.03+61.17) / 2 (-1.72--2.46) x (60.98+61.03) / 2 (-1.19--1.72) x (60.94+60.98) / 2 (2.10--1.19) x (61.99+60.94) / 2 (2.29-2.10) x (62.26+61.99) / 2 (2.68-2.29) x (62.10+62.26) / 2 (2.81-2.68) x (61.76+62.10) / 2 (5.47-2.81) x (62.28+61.76) / 2 (5.91-5.47) x (62.28+62.28) / 2 (4.83-5.91) x (61.20+62.28) / 2 (2.00-4.83) x (58.37+61.20) / 2 (0.00-2.00) x (58.37+58.37) / 2 (-2.80-0.00) x (61.17+58.37) / 2	20.77 45.14 32.31 202.22 11.80 24.25 8.05 164.97 27.40 -66.68 -169.19 -116.74 -167.36	15.65	
SEZ-35 836.81	SC1	(4.19--2.51) x (62.00+62.01) / 2 (4.50-4.19) x (62.00+62.00) / 2 (3.70-4.50) x (61.20+62.00) / 2 (2.00-3.70) x (59.50+61.20) / 2 (1.00-2.00) x (59.50+59.50) / 2 (0.00-1.00) x (59.50+59.50) / 2 (-1.70-0.00) x (61.20+59.50) / 2 (-2.51--1.70) x (62.01+61.20) / 2	415.43 19.22 -49.28 -102.60 -59.50 -59.50 -102.60 -49.90	16.94	
SEZ-36 861.81	SC1	(-1.66--2.47) x (61.99+61.97) / 2 (3.76--1.66) x (61.89+61.99) / 2 (3.87-3.76) x (61.89+61.89) / 2 (4.39-3.87) x (61.89+61.89) / 2 (3.70-4.39) x (61.20+61.89) / 2 (2.00-3.70) x (59.50+61.20) / 2 (1.00-2.00) x (59.50+59.50) / 2 (0.00-1.00) x (59.50+59.50) / 2 (-1.70-0.00) x (61.20+59.50) / 2 (-2.47--1.70) x (61.97+61.20) / 2	50.20 335.71 6.81 32.18 -42.47 -102.60 -59.50 -59.50 -102.60 -47.42	11.27	
SEZ.-36 bis 874.36	SC1	(-2.73--3.58) x (61.95+61.95) / 2 (-1.89--2.73) x (61.60+61.95) / 2 (3.18--1.89) x (61.55+61.60) / 2 (3.50-3.18) x (61.54+61.55) / 2 (5.19-3.50) x (61.56+61.54) / 2 (4.83-5.19) x (61.20+61.56) / 2 (2.00-4.83) x (58.37+61.20) / 2 (0.00-2.00) x (58.37+58.37) / 2	52.66 51.89 312.19 19.69 104.02 -22.10 -169.19 -116.74	10.81	
A RIPORTARE mq			232.42		

		CALCOLO DELLE AREE	Foglio n. 5			
SCAVO						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
RIPORTO mq			232.42			
SEZ-37 884.36	SC1	$(-2.83-0.00) \times (61.20+58.37) / 2$	-169.19	17.05		
		$(-3.58--2.83) \times (61.95+61.20) / 2$	-46.18			
		$(-2.00--3.58) \times (61.96+61.95) / 2$	97.89			
		$(-0.34--2.00) \times (61.29+61.96) / 2$	102.30			
		$(2.70--0.34) \times (61.24+61.29) / 2$	186.25			
		$(3.22-2.70) \times (61.22+61.24) / 2$	31.84			
		$(4.86-3.22) \times (61.23+61.22) / 2$	100.41			
		$(4.83-4.86) \times (61.20+61.23) / 2$	-1.84			
		$(2.00-4.83) \times (58.37+61.20) / 2$	-169.19			
		$(0.00-2.00) \times (58.37+58.37) / 2$	-116.74			
		$(-2.83-0.00) \times (61.20+58.37) / 2$	-169.19			
		$(-3.58--2.83) \times (61.95+61.20) / 2$	-46.18			
						15.55
		Il Direttore dei Lavori				L'Impresa

		COMPUTO DEI VOLUMI			Foglio n. 6			
SCAVO								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	AREA	DISTANZA SEZIONI m	DISTANZA DI CALCOLO m	VOLUME PARZIALE mc	VOLUME TOTALE mc
SEZ-1 0.00	SEZ.-1 bis 10.00	SEZ-1 SEZ.-1 bis	SC1 SC1	24.31 24.35	10.00 10.00	5.00 5.00	121.550 121.750	243.300
SEZ.-1 bis 10.00	SEZ-2 25.00	SEZ.-1 bis SEZ-2	SC1 SC1	24.35 14.38	15.00 15.00	7.50 7.50	182.625 107.850	290.475
SEZ-2 25.00	SEZ-3 50.00	SEZ-2 SEZ-3	SC1 SC1	14.38 14.24	25.00 25.00	12.50 12.50	179.750 178.000	357.750
SEZ-3 50.00	SEZ-4 75.00	SEZ-3 SEZ-4	SC1 SC1	14.24 14.56	25.00 25.00	12.50 12.50	178.000 182.000	360.000
SEZ-4 75.00	SEZ-5 100.00	SEZ-4 SEZ-5	SC1 SC1	14.56 14.68	25.00 25.00	12.50 12.50	182.000 183.500	365.500
SEZ-5 100.00	SEZ-6 125.00	SEZ-5 SEZ-6	SC1 SC1	14.68 15.00	25.00 25.00	12.50 12.50	183.500 187.500	371.000
SEZ-6 125.00	- 131.42	SEZ-6 -	SC1 SC1	15.00 11.08	6.42 6.42	3.21 3.21	48.150 35.567	83.717
- 131.42	SEZ-7 150.00	- SEZ-7	SC1 SC1	11.08 16.07	18.58 18.58	9.29 9.29	102.933 149.290	252.223
SEZ-7 150.00	SEZ-8 175.00	SEZ-7 SEZ-8	SC1 SC1	16.07 15.97	25.00 25.00	12.50 12.50	200.875 199.625	400.500
SEZ-8 175.00	SEZ-9 200.00	SEZ-8 SEZ-9	SC1 SC1	15.97 16.21	25.00 25.00	12.50 12.50	199.625 202.625	402.250
SEZ-9 200.00	SEZ-10 225.00	SEZ-9 SEZ-10	SC1 SC1	16.21 15.67	25.00 25.00	12.50 12.50	202.625 195.875	398.500
SEZ-10 225.00	SEZ-11 250.00	SEZ-10 SEZ-11	SC1 SC1	15.67 15.01	25.00 25.00	12.50 12.50	195.875 187.625	383.500
SEZ-11 250.00	SEZ-12 275.00	SEZ-11 SEZ-12	SC1 SC1	15.01 14.98	25.00 25.00	12.50 12.50	187.625 187.250	374.875
SEZ-12 275.00	SEZ-13 300.00	SEZ-12 SEZ-13	SC1 SC1	14.98 14.85	25.00 25.00	12.50 12.50	187.250 185.625	372.875
SEZ-13 300.00	SEZ-14 325.00	SEZ-13 SEZ-14	SC1 SC1	14.85 14.87	25.00 25.00	12.50 12.50	185.625 185.875	371.500
SEZ-14 325.00	SEZ-15 350.00	SEZ-14 SEZ-15	SC1 SC1	14.87 15.14	25.00 25.00	12.50 12.50	185.875 189.250	375.125
SEZ-15 350.00	SEZ-16 375.00	SEZ-15 SEZ-16	SC1 SC1	15.14 16.14	25.00 25.00	12.50 12.50	189.250 201.750	391.000
SEZ-16 375.00	SEZ-17 400.00	SEZ-16 SEZ-17	SC1 SC1	16.14 15.72	25.00 25.00	12.50 12.50	201.750 196.500	398.250
SEZ-17 400.00	SEZ-18 425.00	SEZ-17 SEZ-18	SC1 SC1	15.72 15.20	25.00 25.00	12.50 12.50	196.500 190.000	386.500
SEZ-18 425.00	SEZ-19 450.00	SEZ-18 SEZ-19	SC1 SC1	15.20 14.38	25.00 25.00	12.50 12.50	190.000 179.750	369.750
SEZ-19 450.00	SEZ-20 475.00	SEZ-19 SEZ-20	SC1 SC1	14.38 14.04	25.00 25.00	12.50 12.50	179.750 175.500	355.250
SEZ-20 475.00	SEZ-21 500.00	SEZ-20 SEZ-21	SC1 SC1	14.04 14.30	25.00 25.00	12.50 12.50	175.500 178.750	354.250
SEZ-21 500.00	SEZ-22 525.00	SEZ-21 SEZ-22	SC1 SC1	14.30 14.48	25.00 25.00	12.50 12.50	178.750 181.000	359.750
SEZ-22 525.00	SEZ-23 550.00	SEZ-22 SEZ-23	SC1 SC1	14.48 14.72	25.00 25.00	12.50 12.50	181.000 184.000	365.000
SEZ-23 550.00	SEZ-24 575.00	SEZ-23 SEZ-24	SC1 SC1	14.72 44.04	25.00 25.00	12.50 12.50	184.000 550.500	734.500
SEZ-24 575.00	SEZ-25 600.00	SEZ-24 SEZ-25	SC1 SC1	44.04 41.40	25.00 25.00	12.50 12.50	550.500 517.500	1068.000
SEZ-25 600.00	SEZ-26 625.00	SEZ-25 SEZ-26	SC1 SC1	41.40 24.09	25.00 25.00	12.50 12.50	517.500 301.125	818.625
SEZ-26 625.00	SEZ-27 650.00	SEZ-26 SEZ-27	SC1 SC1	24.09 15.44	25.00 25.00	12.50 12.50	301.125 193.000	494.125
SEZ-27 650.00	SEZ-28 675.00	SEZ-27 SEZ-28	SC1 SC1	15.44 15.62	25.00 25.00	12.50 12.50	193.000 195.250	388.250
SEZ-28 675.00	SEZ-29 700.00	SEZ-28 SEZ-29	SC1 SC1	15.62 15.29	25.00 25.00	12.50 12.50	195.250 191.125	386.375
SEZ-29 700.00	SEZ-30 725.00	SEZ-29 SEZ-30	SC1 SC1	15.29 15.36	25.00 25.00	12.50 12.50	191.125 192.000	383.125
								12655.840

				COMPUTO DEI VOLUMI		Foglio n. 7		
SCAVO								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	AREA	DISTANZA SEZIONI m	DISTANZA DI CALCOLO m	VOLUME PARZIALE mc	VOLUME TOTALE mc
A RIPORTARE mc								12655.840
SEZ-30 725.00	SEZ-31 750.00	SEZ-30 SEZ-31	SC1 SC1	15.36 15.16	25.00 25.00	12.50 12.50	192.000 189.500	381.500
SEZ-31 750.00	SEZ-32 775.00	SEZ-31 SEZ-32	SC1 SC1	15.16 14.21	25.00 25.00	12.50 12.50	189.500 177.625	367.125
SEZ-32 775.00	SEZ-33 786.00	SEZ-32 SEZ-33	SC1 SC1	14.21 23.89	11.00 11.00	5.50 5.50	78.155 131.395	209.550
SEZ-33 786.00	- 790.08	SEZ-33 -	SC1 SC1	23.89 13.95	4.08 4.08	2.04 2.04	48.736 28.458	77.194
- 790.08	SEZ-34 811.81	- SEZ-34	SC1 SC1	15.65 16.94	21.73 21.73	10.86 10.86	169.959 183.968	353.927
SEZ-34 811.81	SEZ-35 836.81	SEZ-34 SEZ-35	SC1 SC1	16.94 11.27	25.00 25.00	12.50 12.50	211.750 140.875	352.625
SEZ-35 836.81	SEZ-36 861.81	SEZ-35 SEZ-36	SC1 SC1	11.27 10.81	25.00 25.00	12.50 12.50	140.875 135.125	276.000
SEZ-36 861.81	SEZ.-36 bis 874.36	SEZ-36 SEZ.-36 bis	SC1 SC1	10.81 17.05	12.55 12.55	6.28 6.28	67.887 107.074	174.961
SEZ.-36 bis 874.36	SEZ-37 884.36	SEZ.-36 bis SEZ-37	SC1 SC1	17.05 15.55	10.00 10.00	5.00 5.00	85.250 77.750	163.000
Il Direttore dei Lavori		L'Impresa			TOTALE ARTICOLO			15011.722

	COMPUTO DEI VOLUMI		Foglio n. 8
Volume dalla sezione SEZ-1 alla sezione SEZ-37			
ARTICOLO	VOLUME		
SC SCAVO	mc	15011.722	