




STANDARDIZATION	DISEGNI DI RIFERIMENTO / REFERENCE DRAWINGS	NUMERO DISEGNO/

CS-FS	00	05/06/17	EMISSIONE	ALFAC.	ALFAC.	ALFAC.	ALFAC.	ENIMED
Stato Validità	Numero Rev.	Data	Descrizione	Preparato da	Controllato da	Approvato da	Approvaz. Contractor	Approvaz. Company
Indice Revisioni								
Company  EniMed S.p.A. Eni Mediterranea Idrocarburi 				Nome Progetto AREA POZZO SAMPERI 1		Documento N. 17-093-CM-012 Commessa N. 17-093		
Contractor  ALFACONSULTING Progettazione e Montaggi <small>Via Tiziano 2 - 93012 Gela Tel. 0933/914885 Fax 915007 Web-site www.alfaconsulting.it</small>						Codice Contrattista - Contratto N. -		
Nome CAMPO BRONTE			Località ONSHORE		Scala Fg. di Fg. 1 / 1			
Titolo Documento POZZO "SAMPERI 1" - ADEGUAMENTO PIAZZOLA PER PERFORAZIONE POZZO SAMPERI SUD 1 DIR MOVIMENTI DI TERRA - CALCOLO VOLUMI						Sostituisce il No. Sostituito dal No. Area Impianto N.A.		
						Unità Impianto N.A.		

POSTAZIONE

S U P E R F I C I						D I S T A N Z E		V O L U M I	
SEZIONE 2			SEZIONE 1			RILEV.	SCAVO	RILEV.	SCAVO
	RILEV.	SCAVO		RILEV.	SCAVO				
1.75x1/2x (0.40+ 1.83)	1.95		0.40x1/2x (0.40+ 0.73)	0.23		5.00		0.575	
0.54x1/2x (1.83+ 2.24)	1.10		1.75x1/2x (0.73+ 2.16)	2.53		5.00		11.200	
0.40x1/2x (2.24+ 2.54)	0.96		0.54x1/2x (2.16+ 2.60)	1.29		5.00		5.975	
2.09x1/2x (2.04+ 2.23)	4.46		0.40x1/2x (2.60+ 2.90)	1.10		5.00		5.150	
1.80x1/2x (2.23+ 2.38)	4.15		2.09x1/2x (2.40+ 2.58)	5.20		5.00		24.150	
2.27x1/2x (2.38+ 2.62)	5.67		1.80x1/2x (2.58+ 2.81)	4.85		5.00		22.500	
5.84x1/2x (2.62+ 3.24)	17.11		2.27x1/2x (2.81+ 3.09)	6.70		5.00		30.925	
0.33x1/2x (3.24+ 3.22)	1.07		5.84x1/2x (3.09+ 3.71)	19.86		5.00		92.425	
1.98x1/2x (3.22+ 3.08)	6.24		0.33x1/2x (3.71+ 3.75)	1.23		5.00		5.750	
0.69x1/2x (3.08+ 3.08)	2.13		1.98x1/2x (3.75+ 3.60)	7.28		5.00		33.800	
2.35x1/2x (3.08+ 3.11)	7.27		0.69x1/2x (3.60+ 3.55)	2.47		5.00		11.500	
4.14x1/2x (3.11+ 3.16)	12.98		2.35x1/2x (3.55+ 3.38)	8.14		5.00		38.525	
1.90x1/2x (3.16+ 3.21)	6.05		4.14x1/2x (3.38+ 3.45)	14.14		5.00		67.800	
0.47x1/2x (3.21+ 3.22)	1.51		1.90x1/2x (3.45+ 3.48)	6.58		5.00		31.575	
0.22x1/2x (3.22+ 3.21)	0.71		0.47x1/2x (3.48+ 3.42)	1.62		5.00		7.825	
1.56x1/2x (3.21+ 3.14)	4.95		0.22x1/2x (3.42+ 3.39)	0.75		5.00		3.650	
0.30x1/2x (3.14+ 3.05)	0.93		1.56x1/2x (3.39+ 3.07)	5.04		5.00		24.975	
1.26x1/2x (3.05+ 2.67)	3.60		0.30x1/2x (3.07+ 3.01)	0.91		5.00		4.600	
0.55x1/2x (2.67+ 2.51)	1.42		1.26x1/2x (3.01+ 2.65)	3.57		5.00		17.925	
1.29x1/2x (2.51+ 2.24)	3.06		0.55x1/2x (2.65+ 2.53)	1.42		5.00		7.100	
1.18x1/2x (2.24+ 1.99)	2.50		1.29x1/2x (2.53+ 2.25)	3.08		5.00		15.350	
0.34x1/2x (1.99+ 1.78)	0.64		1.18x1/2x (2.25+ 1.45)	2.18		5.00		11.700	
0.32x1/2x (1.78+ 1.58)	0.54		0.34x1/2x (1.45+ 1.22)	0.45		5.00		2.725	
0.60x1/2x (1.58+ 1.13)	0.81		0.32x1/2x (1.22+ 1.25)	0.40		5.00		2.350	
0.25x1/2x (1.13+ 0.94)	0.26		0.60x1/2x (1.25+ 1.29)	0.76		5.00		3.925	
0.60x1/2x (0.94+ 1.01)	0.58		0.25x1/2x (1.29+ 1.42)	0.34		5.00		1.500	
0.81x1/2x (1.01+ 1.09)	0.85		0.60x1/2x (1.42+ 1.73)	0.94		5.00		3.800	
0.04x1/2x (1.09+ 1.10)	0.04		0.81x1/2x (1.73+ 1.57)	1.34		5.00		5.475	
0.33x1/2x (1.10+ 1.30)	0.40		0.04x1/2x (1.57+ 1.55)	0.06		5.00		0.250	
0.28x1/2x (1.30+ 1.62)	0.41		0.33x1/2x (1.55+ 1.37)	0.48		5.00		2.200	
0.19x1/2x (1.62+ 1.61)	0.31		0.28x1/2x (1.37+ 1.21)	0.36		5.00		1.925	
0.49x1/2x (1.61+ 1.51)	0.76		0.19x1/2x (1.21+ 1.10)	0.22		5.00		1.325	
0.75x1/2x (1.51+ 1.05)	0.96		0.49x1/2x (1.10+ 0.82)	0.47		5.00		3.075	
0.71x1/2x (1.05+ 0.61)	0.59		0.75x1/2x (0.82+ 0.40)	0.46		5.00		3.550	
0.34x1/2x (0.61+ 0.40)	0.17		0.71x1/2x (0.40+ 0.00)	0.14		5.00		1.825	
0.42x1/2x (0.40+ 0.14)	0.11		0.34x1/2x (0.00+ -0.19)		0.03	4.25	0.75	0.361	0.011
0.23x1/2x (0.14+ 0.00)	0.02		0.42x1/2x (-0.19+ -0.43)		0.13	2.29	2.71	0.126	0.176
			0.23x1/2x (-0.43+ -0.44)		0.10		4.17	0.008	0.208
			0.11x1/2x (-0.44+ -0.45)		0.05		5.00		0.125
0.76x1/2x (-0.07+ -0.53)		0.23	0.76x1/2x (-0.45+ -0.42)		0.33		5.00		1.400
0.05x1/2x (-0.53+ -0.53)		0.03	0.05x1/2x (-0.42+ -0.41)		0.02		5.00		0.125
0.73x1/2x (-0.53+ -0.46)		0.36	0.73x1/2x (-0.41+ -0.10)		0.19		5.00		1.375
0.42x1/2x (-0.46+ -0.42)		0.18					5.00		0.450
0.61x1/2x (-0.42+ -0.26)		0.21					5.00		0.525
0.41x1/2x (-0.26+ -0.10)		0.07					5.00		0.175
	97.27	1.08		106.59	0.85			509.395	4.570

SUPERFICIE						DISTANZE		VOLUMI	
SEZIONE 3			SEZIONE 2			RILEV.	SCAVO	RILEV.	SCAVO
	RILEV.	SCAVO		RILEV.	SCAVO				
0.15x1/2x (0.40+ 0.52)	0.07		0.58x1/2x (0.40+ 0.87)	0.37		10.00		1.850	
1.02x1/2x (0.52+ 1.26)	0.91		0.15x1/2x (0.87+ 1.00)	0.14		10.00		1.050	
0.95x1/2x (1.26+ 1.94)	1.52		1.02x1/2x (1.00+ 1.83)	1.44		10.00		11.750	
1.62x1/2x (1.44+ 1.54)	2.41		0.95x1/2x (1.83+ 2.54)	2.08		10.00		18.000	
2.26x1/2x (1.54+ 1.72)	3.68		1.62x1/2x (2.04+ 2.18)	3.42		10.00		29.150	
7.47x1/2x (1.72+ 2.33)	15.13		2.26x1/2x (2.18+ 2.38)	5.15		10.00		44.150	
0.64x1/2x (2.33+ 2.34)	1.49		7.47x1/2x (2.38+ 3.18)	20.77		10.00		179.500	
2.31x1/2x (2.34+ 2.39)	5.46		0.64x1/2x (3.18+ 3.24)	2.05		10.00		17.700	
0.69x1/2x (2.39+ 2.40)	1.65		2.31x1/2x (3.24+ 3.08)	7.30		10.00		63.800	
3.29x1/2x (2.40+ 2.46)	7.99		0.69x1/2x (3.08+ 3.08)	2.13		10.00		18.900	
3.20x1/2x (2.46+ 2.59)	8.08		3.29x1/2x (3.08+ 3.12)	10.20		10.00		90.950	
1.34x1/2x (2.59+ 2.65)	3.51		3.20x1/2x (3.12+ 3.16)	10.05		10.00		90.650	
1.03x1/2x (2.65+ 2.60)	2.70		1.34x1/2x (3.16+ 3.19)	4.25		10.00		38.800	
1.78x1/2x (2.60+ 2.52)	4.56		1.03x1/2x (3.19+ 3.22)	3.30		10.00		30.000	
2.11x1/2x (2.52+ 2.42)	5.21		1.78x1/2x (3.22+ 3.14)	5.66		10.00		51.100	
0.09x1/2x (2.42+ 2.41)	0.22		2.11x1/2x (3.14+ 2.51)	5.96		10.00		55.850	
2.38x1/2x (2.41+ 1.58)	4.75		0.09x1/2x (2.51+ 2.49)	0.22		10.00		2.200	
0.66x1/2x (1.58+ 1.35)	0.97		2.38x1/2x (2.49+ 1.99)	5.33		10.00		50.400	
0.85x1/2x (1.35+ 0.95)	0.98		0.66x1/2x (1.99+ 1.58)	1.18		10.00		10.750	
0.82x1/2x (0.95+ 0.56)	0.62		0.85x1/2x (1.58+ 0.94)	1.07		10.00		10.250	
0.63x1/2x (0.56+ 0.70)	0.40		0.82x1/2x (0.94+ 1.03)	0.81		10.00		7.150	
0.33x1/2x (0.70+ 0.78)	0.24		0.63x1/2x (1.03+ 1.10)	0.67		10.00		5.350	
0.18x1/2x (0.78+ 0.81)	0.14		0.33x1/2x (1.10+ 1.30)	0.40		10.00		3.200	
0.10x1/2x (0.81+ 0.87)	0.08		0.18x1/2x (1.30+ 1.50)	0.25		10.00		1.950	
0.19x1/2x (0.87+ 0.98)	0.18		0.10x1/2x (1.50+ 1.62)	0.16		10.00		1.200	
0.49x1/2x (0.98+ 1.27)	0.55		0.19x1/2x (1.62+ 1.61)	0.31		10.00		2.450	
0.24x1/2x (1.27+ 1.41)	0.32		0.49x1/2x (1.61+ 1.51)	0.76		10.00		6.550	
0.49x1/2x (1.41+ 1.38)	0.68		0.24x1/2x (1.51+ 1.36)	0.34		10.00		3.300	
1.07x1/2x (1.38+ 0.62)	1.07		0.49x1/2x (1.36+ 1.06)	0.59		10.00		6.350	
0.31x1/2x (0.62+ 0.40)	0.16		1.07x1/2x (1.06+ 0.40)	0.78		10.00		9.250	
0.34x1/2x (0.40+ 0.16)	0.10		0.31x1/2x (0.40+ 0.21)	0.09		10.00		1.250	
0.19x1/2x (0.16+ 0.03)	0.02		0.34x1/2x (0.21+ 0.00)	0.04		10.00		0.700	
			0.19x1/2x (0.00+ -0.12)	0.01	0.01	6.67	3.33	0.067	0.017
			0.05x1/2x (-0.12+ -0.15)	0.01			10.00		0.050
0.63x1/2x (0.00+ -0.38)	0.12		0.63x1/2x (-0.15+ -0.53)	0.21			10.00		1.650
0.03x1/2x (-0.38+ -0.40)	0.01		0.03x1/2x (-0.53+ -0.53)	0.02			10.00		0.150
1.17x1/2x (-0.40+ -0.52)	0.54		1.17x1/2x (-0.53+ -0.42)	0.56			10.00		5.500
0.27x1/2x (-0.52+ -0.55)	0.14		0.27x1/2x (-0.42+ -0.35)	0.10			10.00		1.200
0.35x1/2x (-0.55+ -0.41)	0.17		0.35x1/2x (-0.35+ -0.26)	0.11			10.00		1.400
0.41x1/2x (-0.41+ -0.25)	0.14		0.41x1/2x (-0.26+ -0.10)	0.07			10.00		1.050
0.38x1/2x (-0.25+ -0.10)	0.07						10.00		0.350
	75.85	1.19		97.27	1.09			865.567	11.367

SUPERFICIE						DISTANZE		VOLUMI	
SEZIONE 4			SEZIONE 3			RILEV.	SCAVO	RILEV.	SCAVO
	RILEV.	SCAVO		RILEV.	SCAVO				
			0.15x1/2x (0.40+ 0.52)	0.07		10.00		0.350	
			0.40x1/2x (0.52+ 0.81)	0.27		10.00		1.350	
1.57x1/2x (0.40+ 1.53)	1.52		1.57x1/2x (0.81+ 1.94)	2.16		10.00		18.400	
1.62x1/2x (1.03+ 1.11)	1.73		1.62x1/2x (1.44+ 1.54)	2.41		10.00		20.700	
9.19x1/2x (1.11+ 1.57)	12.31		9.19x1/2x (1.54+ 2.28)	17.55		10.00		149.300	
0.55x1/2x (1.57+ 1.59)	0.87		0.55x1/2x (2.28+ 2.33)	1.27		10.00		10.700	
3.64x1/2x (1.59+ 1.74)	6.06		3.64x1/2x (2.33+ 2.40)	8.61		10.00		73.350	
3.29x1/2x (1.74+ 1.89)	5.97		3.29x1/2x (2.40+ 2.46)	7.99		10.00		69.800	
1.78x1/2x (1.89+ 1.96)	3.43		1.78x1/2x (2.46+ 2.53)	4.44		10.00		39.350	
2.77x1/2x (1.96+ 2.11)	5.64		2.77x1/2x (2.53+ 2.65)	7.17		10.00		64.050	
0.42x1/2x (2.11+ 2.14)	0.89		0.42x1/2x (2.65+ 2.63)	1.11		10.00		10.000	
4.59x1/2x (2.14+ 1.83)	9.11		4.59x1/2x (2.63+ 2.41)	11.57		10.00		103.400	
0.84x1/2x (1.83+ 1.78)	1.52		0.84x1/2x (2.41+ 2.12)	1.90		10.00		17.100	
2.19x1/2x (1.78+ 1.09)	3.14		2.19x1/2x (2.12+ 1.35)	3.80		10.00		34.700	
0.77x1/2x (1.09+ 0.84)	0.74		0.77x1/2x (1.35+ 0.99)	0.90		10.00		8.200	
0.45x1/2x (0.84+ 0.87)	0.38		0.45x1/2x (0.99+ 0.78)	0.40		10.00		3.900	
0.45x1/2x (0.87+ 0.71)	0.36		0.45x1/2x (0.78+ 0.56)	0.30		10.00		3.300	
0.24x1/2x (0.71+ 0.62)	0.16		0.24x1/2x (0.56+ 0.61)	0.14		10.00		1.500	
0.90x1/2x (0.62+ 0.58)	0.54		0.90x1/2x (0.61+ 0.81)	0.64		10.00		5.900	
0.39x1/2x (0.58+ 0.57)	0.22		0.39x1/2x (0.81+ 1.04)	0.36		10.00		2.900	
0.64x1/2x (0.57+ 1.03)	0.51		0.64x1/2x (1.04+ 1.41)	0.78		10.00		6.450	
0.19x1/2x (1.03+ 1.17)	0.21		0.19x1/2x (1.41+ 1.40)	0.27		10.00		2.400	
0.30x1/2x (1.17+ 1.16)	0.35		0.30x1/2x (1.40+ 1.38)	0.42		10.00		3.850	
0.24x1/2x (1.16+ 1.15)	0.28		0.24x1/2x (1.38+ 1.21)	0.31		10.00		2.950	
0.65x1/2x (1.15+ 0.77)	0.62		0.65x1/2x (1.21+ 0.75)	0.64		10.00		6.300	
0.49x1/2x (0.77+ 0.46)	0.30		0.49x1/2x (0.75+ 0.40)	0.28		10.00		2.900	
0.09x1/2x (0.46+ 0.40)	0.04		0.09x1/2x (0.40+ 0.34)	0.03		10.00		0.350	
0.44x1/2x (0.40+ 0.12)	0.11		0.44x1/2x (0.34+ 0.03)	0.08		10.00		0.950	
0.05x1/2x (0.12+ 0.09)	0.01					10.00		0.050	
0.14x1/2x (0.09+ 0.00)	0.01		0.14x1/2x (0.00+ -0.09)	0.01	0.01	5.00	5.00	0.025	0.025
0.51x1/2x (0.00+ -0.33)		0.08	0.51x1/2x (-0.09+ -0.40)	0.12			10.00		1.000
0.10x1/2x (-0.33+ -0.40)		0.04	0.10x1/2x (-0.40+ -0.41)	0.04			10.00		0.400
1.24x1/2x (-0.40+ -0.48)		0.55	1.24x1/2x (-0.41+ -0.54)	0.59			10.00		5.700
0.09x1/2x (-0.48+ -0.44)		0.04	0.09x1/2x (-0.54+ -0.55)	0.05			10.00		0.450
0.79x1/2x (-0.44+ -0.10)		0.21	0.79x1/2x (-0.55+ -0.24)	0.31			10.00		2.600
			0.35x1/2x (-0.24+ -0.10)	0.06			10.00		0.300
	57.03	0.92		75.87	1.18			664.475	10.475

S U P E R F I C I						D I S T A N Z E		V O L U M I	
SEZIONE 5			SEZIONE 4			RILEV.	SCAVO	RILEV.	SCAVO
	RILEV.	SCAVO		RILEV.	SCAVO				
0.93x1/2x(0.40+ 1.06)	0.68		0.64x1/2x(0.40+ 0.86)	0.40		8.28		1.656	
10.37x1/2x(0.56+ 1.03)	8.24		0.93x1/2x(0.86+ 1.53)	1.11		8.28		7.411	
0.44x1/2x(1.03+ 1.06)	0.46		10.37x1/2x(1.03+ 1.55)	13.38		8.28		89.507	
4.19x1/2x(1.06+ 1.29)	4.92		0.44x1/2x(1.55+ 1.57)	0.69		8.28		4.761	
5.06x1/2x(1.29+ 1.56)	7.21		4.19x1/2x(1.57+ 1.74)	6.93		8.28		49.059	
2.70x1/2x(1.56+ 1.71)	4.41		5.06x1/2x(1.74+ 1.96)	9.36		8.28		68.600	
0.48x1/2x(1.71+ 1.67)	0.81		2.70x1/2x(1.96+ 2.11)	5.49		8.28		40.986	
5.44x1/2x(1.67+ 1.28)	8.02		0.48x1/2x(2.11+ 2.14)	1.02		8.28		7.576	
0.37x1/2x(1.28+ 1.25)	0.47		5.44x1/2x(2.14+ 1.78)	10.66		8.28		77.335	
2.54x1/2x(1.25+ 0.40)	2.10		0.37x1/2x(1.78+ 1.66)	0.64		8.28		4.595	
0.02x1/2x(0.40+ 0.39)	0.01		2.54x1/2x(1.66+ 0.86)	3.20		8.28		21.942	
0.03x1/2x(0.39+ 0.39)	0.01		0.02x1/2x(0.86+ 0.85)	0.02		8.28		0.124	
0.45x1/2x(0.39+ 0.38)	0.17		0.03x1/2x(0.85+ 0.84)	0.03		8.28		0.166	
0.69x1/2x(0.38+ 0.36)	0.26		0.45x1/2x(0.84+ 0.87)	0.38		8.28		2.277	
0.59x1/2x(0.36+ 0.34)	0.21		0.69x1/2x(0.87+ 0.62)	0.51		8.28		3.188	
0.07x1/2x(0.34+ 0.40)	0.03		0.59x1/2x(0.62+ 0.60)	0.36		8.28		2.360	
0.63x1/2x(0.40+ 0.88)	0.40		0.07x1/2x(0.60+ 0.59)	0.04		8.28		0.290	
0.39x1/2x(0.88+ 1.18)	0.40		0.63x1/2x(0.59+ 0.57)	0.37		8.28		3.188	
0.44x1/2x(1.18+ 1.08)	0.50		0.39x1/2x(0.57+ 0.85)	0.28		8.28		2.815	
0.07x1/2x(1.08+ 1.06)	0.07		0.44x1/2x(0.85+ 1.17)	0.44		8.28		3.892	
0.46x1/2x(1.06+ 0.77)	0.42		0.07x1/2x(1.17+ 1.17)	0.08		8.28		0.621	
0.57x1/2x(0.77+ 0.40)	0.33		0.46x1/2x(1.17+ 1.15)	0.53		8.28		3.933	
0.09x1/2x(0.40+ 0.34)	0.03		0.57x1/2x(1.15+ 0.82)	0.56		8.28		3.685	
0.53x1/2x(0.34+ 0.00)	0.09		0.09x1/2x(0.82+ 0.77)	0.07		8.28		0.414	
			0.53x1/2x(0.77+ 0.43)	0.32		8.28		1.697	
			0.05x1/2x(0.43+ 0.40)	0.02		8.28		0.083	
0.32x1/2x(-0.03+ -0.24)	0.04		0.32x1/2x(0.40+ 0.20)	0.10		5.91	2.37	0.295	0.047
0.31x1/2x(-0.24+ -0.29)	0.08		0.31x1/2x(0.20+ 0.00)	0.03		2.26	6.02	0.034	0.241
0.62x1/2x(-0.29+ -0.40)	0.21		0.62x1/2x(0.00+ -0.40)		0.12		8.28		1.366
0.51x1/2x(-0.40+ -0.48)	0.22		0.51x1/2x(-0.40+ -0.43)		0.21		8.28		1.780
0.72x1/2x(-0.48+ -0.22)	0.25		0.72x1/2x(-0.43+ -0.48)		0.33		8.28		2.401
0.17x1/2x(-0.22+ -0.15)	0.03		0.17x1/2x(-0.48+ -0.40)		0.07		8.28		0.414
0.22x1/2x(-0.15+ -0.10)	0.03		0.22x1/2x(-0.40+ -0.31)		0.08		8.28		0.455
			0.48x1/2x(-0.31+ -0.10)		0.10		8.28		0.414
	40.25	0.86		57.02	0.91			402.490	7.118

S U P E R F I C I						D I S T A N Z E		V O L U M I	
SEZIONE 6			SEZIONE 5			RILEV.	SCAVO	RILEV.	SCAVO
	RILEV.	SCAVO		RILEV.	SCAVO				
1.75x1/2x(-0.10+ 0.00)		0.09	0.93x1/2x(0.40+ 1.06)	0.68		10.60		3.604	
7.29x1/2x(0.00+ 0.40)	1.46		1.75x1/2x(0.56+ 0.64)	1.05		9.76	0.84	5.124	0.038
0.71x1/2x(0.40+ 0.44)	0.30		7.29x1/2x(0.64+ 0.97)	5.87		10.60		38.849	
0.62x1/2x(0.44+ 0.48)	0.29		0.71x1/2x(0.97+ 1.01)	0.70		10.60		5.300	
4.62x1/2x(0.48+ 0.77)	2.89		0.62x1/2x(1.01+ 1.03)	0.63		10.60		4.876	
6.67x1/2x(0.77+ 1.18)	6.50		4.62x1/2x(1.03+ 1.29)	5.36		10.60		43.725	
1.09x1/2x(1.18+ 1.10)	1.24		6.67x1/2x(1.29+ 1.65)	9.80		10.60		86.390	
5.82x1/2x(1.10+ 0.70)	5.24		1.09x1/2x(1.65+ 1.71)	1.83		10.60		16.271	
0.47x1/2x(0.70+ 0.71)	0.33		5.82x1/2x(1.71+ 1.28)	8.70		10.60		73.882	
1.11x1/2x(0.71+ 0.72)	0.79		0.47x1/2x(1.28+ 1.25)	0.59		10.60		4.876	
0.05x1/2x(0.72+ 0.40)	0.03		1.11x1/2x(1.25+ 0.88)	1.18		10.60		10.441	
0.03x1/2x(0.40+ 0.17)	0.01		0.05x1/2x(0.88+ 0.87)	0.04		10.60		0.371	
0.50x1/2x(0.17+ 0.00)	0.04		0.03x1/2x(0.87+ 0.85)	0.03		10.60		0.212	
			0.50x1/2x(0.85+ 0.69)	0.38		10.60		2.226	
0.78x1/2x(-0.03+ 0.00)		0.01	0.08x1/2x(0.69+ 0.66)	0.05		10.60		0.265	
			0.78x1/2x(0.66+ 0.40)	0.41		10.35	0.25	2.122	0.001
			0.02x1/2x(0.40+ 0.39)	0.01		10.60		0.053	
0.82x1/2x(0.00+ 0.02)	0.01		0.06x1/2x(0.39+ 0.39)	0.02		10.60		0.106	
0.44x1/2x(0.02+ 0.40)	0.09		0.82x1/2x(0.39+ 0.37)	0.31		10.60		1.696	
0.44x1/2x(0.40+ 0.78)	0.26		0.44x1/2x(0.37+ 0.36)	0.16		10.60		1.325	
0.07x1/2x(0.78+ 0.84)	0.06		0.44x1/2x(0.36+ 0.34)	0.15		10.60		2.173	
0.26x1/2x(0.84+ 1.06)	0.25		0.07x1/2x(0.34+ 0.40)	0.03		10.60		0.477	
0.60x1/2x(1.06+ 1.02)	0.62		0.26x1/2x(0.40+ 0.60)	0.13		10.60		2.014	
0.16x1/2x(1.02+ 0.93)	0.16		0.60x1/2x(0.60+ 1.05)	0.49		10.60		5.883	
0.51x1/2x(0.93+ 0.64)	0.40		0.16x1/2x(1.05+ 1.18)	0.18		10.60		1.802	
0.42x1/2x(0.64+ 0.40)	0.22		0.51x1/2x(1.18+ 1.06)	0.57		10.60		5.141	
0.60x1/2x(0.40+ 0.06)	0.14		0.42x1/2x(1.06+ 0.79)	0.39		10.60		3.233	
			0.60x1/2x(0.79+ 0.40)	0.36		10.60		2.650	
0.18x1/2x(0.00+ -0.10)		0.01	0.10x1/2x(0.40+ 0.33)	0.04		10.60		0.212	
			0.18x1/2x(0.33+ 0.22)	0.05		8.83	1.77	0.221	0.009
			0.34x1/2x(0.22+ 0.00)	0.04		10.60		0.212	
			0.37x1/2x(0.00+ -0.24)		0.04		10.60		0.212
			1.44x1/2x(-0.24+ -0.48)		0.52		10.60		2.756
			0.90x1/2x(-0.48+ -0.15)		0.28		10.60		1.484
			0.22x1/2x(-0.15+ -0.10)		0.03		10.60		0.159
	21.33	0.11		40.23	0.87			325.732	4.659

SUPERFICIE						DISTANZE		VOLUMI	
SEZIONE 7			SEZIONE 6			RILEV.	SCAVO	RILEV.	SCAVO
	RILEV.	SCAVO		RILEV.	SCAVO				
0.40x1/2x (0.40+ 0.16)	0.11					3.77		0.207	
1.75x1/2x (-0.34+ -0.24)		0.51	1.75x1/2x (-0.10+ 0.00)		0.09		3.77		1.131
4.20x1/2x (-0.24+ 0.00)		0.50	4.20x1/2x (0.00+ 0.23)	0.48		1.85	1.92	0.444	0.480
3.10x1/2x (0.00+ 0.18)	0.28		3.10x1/2x (0.23+ 0.40)	0.98		3.77		2.375	
0.21x1/2x (0.18+ 0.19)	0.04		0.21x1/2x (0.40+ 0.41)	0.09		3.77		0.245	
0.50x1/2x (0.19+ 0.23)	0.10		0.50x1/2x (0.41+ 0.44)	0.21		3.77		0.584	
2.42x1/2x (0.23+ 0.40)	0.76		2.42x1/2x (0.44+ 0.59)	1.25		3.77		3.789	
2.83x1/2x (0.40+ 0.60)	1.41		2.83x1/2x (0.59+ 0.77)	1.92		3.77		6.277	
6.44x1/2x (0.60+ 1.00)	5.15		6.44x1/2x (0.77+ 1.17)	6.25		3.77		21.489	
0.23x1/2x (1.00+ 0.98)	0.23		0.23x1/2x (1.17+ 1.18)	0.27		3.77		0.942	
1.91x1/2x (0.98+ 0.83)	1.73		1.91x1/2x (1.18+ 1.05)	2.13		3.77		7.276	
4.79x1/2x (0.83+ 0.49)	3.16		4.79x1/2x (1.05+ 0.71)	4.22		3.77		13.911	
0.22x1/2x (0.49+ 0.49)	0.11		0.22x1/2x (0.71+ 0.70)	0.16		3.77		0.509	
1.29x1/2x (0.49+ 0.51)	0.64		1.29x1/2x (0.70+ 0.72)	0.92		3.77		2.941	
0.28x1/2x (0.51+ 0.50)	0.14		0.28x1/2x (0.72+ 0.72)	0.20		3.77		0.641	
0.05x1/2x (0.50+ 0.50)	0.02		0.05x1/2x (0.72+ 0.40)	0.03		3.77		0.094	
0.03x1/2x (0.50+ 0.50)	0.01		0.03x1/2x (0.40+ 0.17)	0.01		3.77		0.038	
0.50x1/2x (0.50+ 0.48)	0.24		0.50x1/2x (0.17+ 0.00)	0.04		3.77		0.528	
0.08x1/2x (0.48+ 0.48)	0.04					3.77		0.075	
0.85x1/2x (0.48+ 0.45)	0.40		0.85x1/2x (-0.03+ 0.00)		0.01	3.68	0.09	0.736	0.000
0.05x1/2x (0.45+ 0.45)	0.02					3.77		0.038	
0.07x1/2x (0.40+ 0.00)	0.01					3.77		0.019	
0.45x1/2x (-0.06+ -0.01)		0.02					3.77		0.038
0.20x1/2x (0.00+ 0.13)	0.01					3.77		0.019	0.038
0.40x1/2x (0.13+ 0.39)	0.10		0.40x1/2x (0.02+ 0.36)	0.08		3.77		0.339	
0.03x1/2x (0.40+ 0.43)	0.01		0.03x1/2x (0.37+ 0.40)	0.01		3.77		0.038	
0.57x1/2x (0.43+ 0.97)	0.40		0.57x1/2x (0.40+ 0.88)	0.36		3.77		1.433	
0.20x1/2x (0.97+ 0.74)	0.17		0.20x1/2x (0.88+ 1.05)	0.19		3.77		0.679	
0.01x1/2x (0.74+ 0.74)	0.01		0.01x1/2x (1.05+ 1.06)	0.01		3.77		0.038	
0.23x1/2x (0.74+ 0.75)	0.17		0.23x1/2x (1.06+ 1.04)	0.24		3.77		0.773	
0.18x1/2x (0.75+ 0.96)	0.15		0.18x1/2x (1.04+ 1.03)	0.19		3.77		0.641	
0.18x1/2x (0.96+ 0.86)	0.16		0.18x1/2x (1.03+ 1.02)	0.18		3.77		0.641	
0.86x1/2x (0.86+ 0.40)	0.54		0.86x1/2x (1.02+ 0.54)	0.67		3.77		2.281	
0.24x1/2x (0.40+ 0.27)	0.08		0.24x1/2x (0.54+ 0.40)	0.11		3.77		0.358	
0.50x1/2x (0.27+ 0.00)	0.07		0.50x1/2x (0.40+ 0.12)	0.13		3.77		0.377	
0.18x1/2x (0.00+ -0.10)		0.01	0.18x1/2x (0.12+ 0.01)	0.01		1.89	1.88	0.009	0.009
			0.18x1/2x (0.00+ -0.10)		0.01		3.77		0.019
	16.47	1.04		21.34	0.11			70.784	1.677

SUPERFICIE						DISTANZE		VOLUMI	
SEZIONE 8			SEZIONE 7			RILEV.	SCAVO	RILEV.	SCAVO
	RILEV.	SCAVO		RILEV.	SCAVO				
0.66x1/2x (0.40+ 0.00)	0.13					16.00		1.040	
0.71x1/2x (0.00+ -0.43)		0.15					16.00		1.200
0.40x1/2x (-0.43+ -0.67)		0.22	0.40x1/2x (0.40+ 0.16)	0.11		5.33	10.67	0.293	1.174
5.95x1/2x (-1.17+ -0.79)	5.83		5.95x1/2x (-0.34+ 0.00)		1.01		16.00		54.720
2.58x1/2x (-0.79+ -0.63)	1.83		2.58x1/2x (0.00+ 0.15)	0.19		1.50	14.50	0.142	13.267
0.72x1/2x (-0.63+ -0.57)	0.43		0.72x1/2x (0.15+ 0.19)	0.12		3.49	12.51	0.209	2.690
2.12x1/2x (-0.57+ -0.41)	1.04		2.12x1/2x (0.19+ 0.34)	0.56		5.60	10.40	1.568	5.408
0.80x1/2x (-0.41+ -0.36)	0.31		0.80x1/2x (0.34+ 0.40)	0.30		7.87	8.13	1.180	1.260
2.83x1/2x (-0.36+ -0.20)	0.79		2.83x1/2x (0.40+ 0.60)	1.41		10.25	5.75	7.226	2.271
3.29x1/2x (-0.20+ 0.00)		0.33	3.29x1/2x (0.60+ 0.81)	2.32		14.01	1.99	16.252	0.328
2.02x1/2x (0.00+ 0.12)	0.12		2.02x1/2x (0.81+ 0.93)	1.76		16.00		15.040	
1.13x1/2x (0.12+ 0.08)	0.11		1.13x1/2x (0.93+ 1.00)	1.09		16.00		9.600	
2.13x1/2x (0.08+ 0.01)	0.10		2.13x1/2x (1.00+ 0.83)	1.95		16.00		16.400	
			0.18x1/2x (0.83+ 0.81)	0.15		16.00		1.200	
1.70x1/2x (0.00+ -0.06)		0.05	1.70x1/2x (0.81+ 0.69)	1.27		15.39	0.61	9.773	0.015
2.91x1/2x (-0.06+ -0.31)	0.54		2.91x1/2x (0.69+ 0.49)	1.72		12.18	3.82	10.475	1.031
0.24x1/2x (-0.31+ -0.34)	0.08		0.24x1/2x (0.49+ 0.49)	0.12		9.60	6.40	0.576	0.256
0.39x1/2x (-0.34+ -0.68)	0.20		0.39x1/2x (0.49+ 0.50)	0.19		7.79	8.21	0.740	0.821
0.87x1/2x (-0.68+ -0.57)	0.54		0.87x1/2x (0.50+ 0.51)	0.44		7.18	8.82	1.580	2.381
0.60x1/2x (-0.57+ -0.49)	0.32		0.60x1/2x (0.51+ 0.49)	0.30		7.74	8.26	1.161	1.322
1.25x1/2x (-0.49+ -0.05)		0.34	1.25x1/2x (0.49+ 0.45)	0.59		10.15	5.85	2.994	0.994
			0.07x1/2x (0.40+ 0.00)	0.01		16.00		0.080	
0.41x1/2x (0.00+ 0.14)	0.03		0.41x1/2x (-0.06+ -0.01)		0.01	12.00	4.00	0.180	0.020
0.60x1/2x (0.15+ 0.36)	0.15		0.60x1/2x (0.00+ 0.39)	0.12		16.00		2.160	
0.09x1/2x (0.37+ 0.40)	0.03		0.09x1/2x (0.40+ 0.49)	0.04		16.00		0.560	
0.45x1/2x (0.40+ 0.56)	0.22		0.45x1/2x (0.49+ 0.92)	0.32		16.00		4.320	
0.05x1/2x (0.56+ 0.57)	0.03		0.05x1/2x (0.92+ 0.97)	0.05		16.00		0.640	
0.20x1/2x (0.57+ 0.59)	0.12		0.20x1/2x (0.97+ 0.74)	0.17		16.00		2.320	
0.24x1/2x (0.59+ 0.61)	0.14		0.24x1/2x (0.74+ 0.75)	0.18		16.00		2.560	
0.05x1/2x (0.61+ 0.61)	0.03		0.05x1/2x (0.75+ 0.81)	0.04		16.00		0.560	
0.13x1/2x (0.61+ 0.51)	0.07		0.13x1/2x (0.81+ 0.96)	0.12		16.00		1.520	
0.15x1/2x (0.51+ 0.40)	0.07		0.15x1/2x (0.96+ 0.88)	0.14		16.00		1.680	
0.51x1/2x (0.40+ 0.00)	0.10		0.51x1/2x (0.88+ 0.61)	0.38		16.00		3.840	
0.13x1/2x (0.00+ -0.10)		0.01	0.13x1/2x (0.61+ 0.54)	0.07		14.00	2.00	0.490	0.010
			0.26x1/2x (0.54+ 0.40)	0.12		16.00		0.960	
			0.74x1/2x (0.40+ 0.00)	0.15		16.00		1.200	
			0.18x1/2x (0.00+ -0.10)		0.01		16.00		0.080
	1.45	13.01		16.50	1.03			120.519	89.248

S U P E R F I C I						D I S T A N Z E		V O L U M I	
SEZIONE 9			SEZIONE 8			RILEV.	SCAVO	RILEV.	SCAVO
	RILEV.	SCAVO		RILEV.	SCAVO				
0.67x1/2x (0.40+ 0.00)	0.13		0.66x1/2x (0.40+ 0.00)	0.13		10.24		0.666	
0.66x1/2x (-0.06+ -0.46)		0.17					4.44	5.80	0.289
1.11x1/2x (-0.46+ -1.12)		0.88	1.11x1/2x (0.00+ -0.67)		0.37		10.24		6.400
7.55x1/2x (-1.62+ -1.12)		10.34	7.55x1/2x (-1.17+ -0.69)		7.02		10.24		88.883
0.98x1/2x (-1.12+ -1.09)		1.08	0.98x1/2x (-0.69+ -0.63)		0.65		10.24		8.858
2.85x1/2x (-1.09+ -0.99)		2.96	2.85x1/2x (-0.63+ -0.41)		1.48		10.24		22.733
3.62x1/2x (-0.99+ -0.87)		3.37	3.62x1/2x (-0.41+ -0.20)		1.10		10.24		22.886
3.29x1/2x (-0.87+ -0.69)		2.57	3.29x1/2x (-0.20+ 0.00)		0.33		10.24		14.848
0.94x1/2x (-0.69+ -0.64)		0.63	0.94x1/2x (0.00+ 0.06)	0.03		0.47	9.77	0.007	3.078
1.08x1/2x (-0.64+ -0.71)		0.73	1.08x1/2x (0.06+ 0.12)	0.10		1.23	9.01	0.061	3.289
3.45x1/2x (-0.71+ -0.93)		2.83	3.45x1/2x (0.12+ 0.00)	0.21		0.71	9.53	0.075	13.485
1.01x1/2x (-0.93+ -1.00)		0.97	1.01x1/2x (0.00+ -0.04)		0.02		10.24		5.069
0.69x1/2x (-1.00+ -1.07)		0.71	0.69x1/2x (-0.04+ -0.06)		0.03		10.24		3.789
2.40x1/2x (-1.07+ -1.29)		2.83	2.40x1/2x (-0.06+ -0.27)		0.40		10.24		16.538
0.76x1/2x (-1.29+ -1.19)		0.94	0.76x1/2x (-0.27+ -0.34)		0.23		10.24		5.990
0.39x1/2x (-1.19+ -1.14)		0.45	0.39x1/2x (-0.34+ -0.68)		0.20		10.24		3.328
0.23x1/2x (-1.14+ -1.11)		0.26	0.23x1/2x (-0.68+ -0.66)		0.15		10.24		2.099
1.24x1/2x (-1.11+ -0.49)		0.99	1.24x1/2x (-0.66+ -0.49)		0.71		10.24		8.704
1.00x1/2x (-0.49+ 0.00)		0.24	1.00x1/2x (-0.49+ -0.14)		0.31		10.24		2.816
0.40x1/2x (0.00+ 0.20)	0.04		0.40x1/2x (-0.14+ 0.00)		0.03	5.85	4.39	0.117	0.066
0.41x1/2x (0.20+ 0.40)	0.12		0.41x1/2x (0.00+ 0.15)	0.03		10.24		0.768	
0.53x1/2x (0.40+ 0.66)	0.28		0.53x1/2x (0.15+ 0.33)	0.13		10.24		2.099	
0.19x1/2x (0.66+ 0.64)	0.12		0.19x1/2x (0.33+ 0.40)	0.07		10.24		0.973	
0.40x1/2x (0.64+ 0.58)	0.24		0.40x1/2x (0.40+ 0.54)	0.19		10.24		2.202	
0.05x1/2x (0.58+ 0.55)	0.03		0.05x1/2x (0.54+ 0.56)	0.03		10.24		0.307	
0.26x1/2x (0.55+ 0.40)	0.12		0.26x1/2x (0.56+ 0.59)	0.15		10.24		1.382	
0.29x1/2x (0.40+ 0.23)	0.09		0.29x1/2x (0.59+ 0.61)	0.17		10.24		1.331	
0.27x1/2x (0.23+ 0.07)	0.04		0.27x1/2x (0.61+ 0.40)	0.14		10.24		0.922	
			0.12x1/2x (0.40+ 0.30)	0.04		10.24		0.205	
0.17x1/2x (0.00+ -0.10)		0.01	0.17x1/2x (0.30+ 0.17)	0.04		8.19	2.05	0.164	0.010
			0.21x1/2x (0.17+ 0.00)	0.02		10.24		0.102	
			0.13x1/2x (0.00+ -0.10)		0.01		10.24		0.051
	1.21	32.96		1.48	13.04			11.670	233.413

Movimenti di terra

DATA

R I E P I L O G O M O V I M E N T I D I T E R R A								
SEZIONE	D I S T A N Z E P R O G R E S S I V E	S U P E R F I C I		D I S T A N Z E P A R Z I A L I	V O L U M E P A R Z I A L E		V O L U M E P R O G R E S S I V O	
		RILEVATO	SCAVO		RILEVATO	SCAVO	RILEVATO	SCAVO
1	0.00	106.59	0.85	5.00	509.395	4.570	509.395	4.570
2	5.00	97.27	1.08	10.00	865.567	11.367	1374.962	15.937
3	15.00	75.85	1.19	10.00	664.475	10.475	2039.437	26.412
4	25.00	57.03	0.92	8.28	402.490	7.118	2441.927	33.530
5	33.28	40.25	0.86	10.60	325.732	4.659	2767.659	38.189
6	43.88	21.33	0.11	3.77	70.784	1.677	2838.443	39.866
7	47.65	16.47	1.04	16.00	120.519	89.248	2958.962	129.114
8	63.65	1.45	13.01	10.24	11.670	233.413	2970.632	362.527
9	73.89	1.21	32.96					
TOTALI		417.45	52.02	73.89			2970.632	362.527

S U P E R F I C I						D I S T A N Z E		V O L U M I	
SEZIONE 2			SEZIONE 1			RILEV.	SCAVO	RILEV.	SCAVO
	RILEV.	SCAVO		RILEV.	SCAVO				
15.00x1/2x(0.50+ 0.50)	7.50		15.00x1/2x(0.50+ 0.50)	7.50		5.00		37.500	
23.56x1/2x(0.50+ 0.50)	11.78		23.56x1/2x(0.50+ 0.50)	11.78		5.00		58.900	
1.44x1/2x(0.50+ 0.50)	0.72					5.00		1.800	
	20.00	0.00		19.28	0.00			98.200	0.000

Manufatto stradale

CALCOLO DETTAGLIATO DELLE AREE E VOLUMI

S U P E R F I C I						D I S T A N Z E		V O L U M I	
SEZIONE 3			SEZIONE 2			RILEV.	SCAVO	RILEV.	SCAVO
	RILEV.	SCAVO		RILEV.	SCAVO				
15.00x1/2x(0.50+ 0.50)	7.50		15.00x1/2x(0.50+ 0.50)	7.50		10.00		75.000	
25.00x1/2x(0.50+ 0.50)	12.50		25.00x1/2x(0.50+ 0.50)	12.50		10.00		125.000	
0.38x1/2x(0.50+ 0.50)	0.19					10.00		0.950	
	20.19	0.00		20.00	0.00			200.950	0.000

Manufatto stradale

CALCOLO DETTAGLIATO DELLE AREE E VOLUMI

S U P E R F I C I						D I S T A N Z E		V O L U M I	
SEZIONE 4			SEZIONE 3			RILEV.	SCAVO	RILEV.	SCAVO
	RILEV.	SCAVO		RILEV.	SCAVO				
15.00x1/2x(0.50+ 0.50)	7.50		15.00x1/2x(0.50+ 0.50)	7.50		10.00		75.000	
25.03x1/2x(0.50+ 0.50)	12.52		25.03x1/2x(0.50+ 0.50)	12.52		10.00		125.150	
			0.35x1/2x(0.50+ 0.50)	0.17		10.00		0.875	
	20.01	0.00		20.19	0.00			201.000	0.000

Manufatto stradale

CALCOLO DETTAGLIATO DELLE AREE E VOLUMI

S U P E R F I C I						D I S T A N Z E		V O L U M I	
SEZIONE 5			SEZIONE 4			RILEV.	SCAVO	RILEV.	SCAVO
	RILEV.	SCAVO		RILEV.	SCAVO				
15.00x1/2x(0.50+ 0.50)	7.50		15.00x1/2x(0.50+ 0.50)	7.50		8.28		62.100	
24.55x1/2x(0.50+ 0.50)	12.27		24.55x1/2x(0.50+ 0.50)	12.27		8.28		101.637	
			0.48x1/2x(0.50+ 0.50)	0.24		8.28		0.994	
	19.77	0.00		20.01	0.00			164.689	0.000

Manufatto stradale

CALCOLO DETTAGLIATO DELLE AREE E VOLUMI

S U P E R F I C I						D I S T A N Z E		V O L U M I	
SEZIONE 6			SEZIONE 5			RILEV.	SCAVO	RILEV.	SCAVO
	RILEV.	SCAVO		RILEV.	SCAVO				
15.00x1/2x(0.50+ 0.50)	7.50		15.00x1/2x(0.50+ 0.50)	7.50		10.60		79.500	
21.28x1/2x(0.50+ 0.50)	10.64		21.28x1/2x(0.50+ 0.50)	10.64		10.60		112.784	
			3.27x1/2x(0.50+ 0.50)	1.63		10.60		8.665	
	18.14	0.00		19.77	0.00			200.923	0.000

Manufatto stradale

CALCOLO DETTAGLIATO DELLE AREE E VOLUMI

S U P E R F I C I						D I S T A N Z E		V O L U M I	
SEZIONE 7			SEZIONE 6			RILEV.	SCAVO	RILEV.	SCAVO
	RILEV.	SCAVO		RILEV.	SCAVO				
15.00x1/2x(0.50+ 0.50)	7.50		15.00x1/2x(0.50+ 0.50)	7.50		3.77		28.275	
21.08x1/2x(0.50+ 0.50)	10.54		21.08x1/2x(0.50+ 0.50)	10.54		3.77		39.736	
			0.20x1/2x(0.50+ 0.50)	0.10		3.77		0.189	
	18.04	0.00		18.14	0.00			68.199	0.000

S U P E R F I C I						D I S T A N Z E		V O L U M I	
SEZIONE 8			SEZIONE 7			RILEV.	SCAVO	RILEV.	SCAVO
	RILEV.	SCAVO		RILEV.	SCAVO				
15.00x1/2x(0.50+ 0.50)	7.50		15.00x1/2x(0.50+ 0.50)	7.50		16.00		120.000	
19.90x1/2x(0.50+ 0.50)	9.95		19.90x1/2x(0.50+ 0.50)	9.95		16.00		159.200	
			1.18x1/2x(0.50+ 0.50)	0.59		16.00		4.720	
	17.45	0.00		18.04	0.00			283.920	0.000

S U P E R F I C I						D I S T A N Z E		V O L U M I	
SEZIONE 9			SEZIONE 8			RILEV.	SCAVO	RILEV.	SCAVO
	RILEV.	SCAVO		RILEV.	SCAVO				
15.00x1/2x(0.50+ 0.50)	7.50		15.00x1/2x(0.50+ 0.50)	7.50		10.24		76.800	
19.56x1/2x(0.50+ 0.50)	9.78		19.56x1/2x(0.50+ 0.50)	9.78		10.24		100.147	
			0.34x1/2x(0.50+ 0.50)	0.17		10.24		0.870	
	17.28	0.00		17.45	0.00			177.818	0.000

R I E P I L O G O M O V I M E N T I D I T E R R A								
SEZIONE	D I S T A N Z E P R O G R E S S I V E	S U P E R F I C I		D I S T A N Z E P A R Z I A L I	V O L U M E P A R Z I A L E		V O L U M E P R O G R E S S I V O	
		RILEVATO	SCAVO		RILEVATO	SCAVO	RILEVATO	SCAVO
1	0.00	19.28	0.00					
2	5.00	20.00	0.00	5.00	98.200	0.000	98.200	0.000
3	15.00	20.19	0.00	10.00	200.950	0.000	299.150	0.000
4	25.00	20.01	0.00	10.00	201.000	0.000	500.150	0.000
5	33.28	19.77	0.00	8.28	164.689	0.000	664.839	0.000
6	43.88	18.14	0.00	10.60	200.923	0.000	865.762	0.000
7	47.65	18.04	0.00	3.77	68.199	0.000	933.961	0.000
8	63.65	17.45	0.00	16.00	283.920	0.000	1217.881	0.000
9	73.89	17.28	0.00	10.24	177.818	0.000	1395.699	0.000
TOTALI		170.16	0.00	73.89			1395.699	0.000

R I E P I L O G O A R E E				
SEZIONE	DISTANZE PROGRESSIVE	SVILUPPI	DISTANZE PARZIALI	SUPERFICI
1	0.00	41.66	5.00	210.90
2	5.00	42.70	10.00	425.99
3	15.00	42.50	10.00	420.50
4	25.00	41.60	8.28	339.81
5	33.28	40.48	10.60	406.82
6	43.88	36.28	3.77	137.15
7	47.65	36.48	16.00	585.18
8	63.65	36.67	10.24	377.50
9	73.89	37.10		
TOTALI		355.46	73.89	2903.85

SCARPATA LATO OVEST

S U P E R F I C I						D I S T A N Z E		V O L U M I	
SEZIONE 2			SEZIONE 1			RILEV.	SCAVO	RILEV.	SCAVO
	RILEV.	SCAVO		RILEV.	SCAVO				
1.42x1/2x(-0.01+ -0.22)		0.16					1.87		0.150
2.27x1/2x(-0.22+ -0.34)		0.64					1.87		0.598
	0.00	0.80		0.00	0.00			0.000	0.748

Movimenti di terra

CALCOLO DETTAGLIATO DELLE AREE E VOLUMI

S U P E R F I C I						D I S T A N Z E		V O L U M I	
SEZIONE 3			SEZIONE 2			RILEV.	SCAVO	RILEV.	SCAVO
	RILEV.	SCAVO		RILEV.	SCAVO				
0.31x1/2x(0.00+ 0.21)	0.03					4.65		0.070	
1.03x1/2x(-0.29+ 0.00)		0.15					4.65		0.349
1.53x1/2x(0.00+ 0.42)	0.32					4.65		0.744	
0.40x1/2x(0.42+ 0.56)	0.20					4.65		0.465	
1.42x1/2x(0.56+ 1.03)	1.13		1.42x1/2x(-0.01+ -0.22)		0.16	4.07	0.58	2.300	0.046
0.57x1/2x(1.03+ 1.23)	0.64		0.57x1/2x(-0.22+ -0.25)		0.13	3.86	0.79	1.235	0.051
1.26x1/2x(1.23+ 1.34)	1.62		1.26x1/2x(-0.25+ -0.32)		0.36	3.80	0.85	3.078	0.153
0.46x1/2x(1.34+ 1.18)	0.58		0.46x1/2x(-0.32+ -0.34)		0.15	3.69	0.96	1.070	0.072
	4.52	0.15		0.00	0.80			8.962	0.671

Movimenti di terra

CALCOLO DETTAGLIATO DELLE AREE E VOLUMI

S U P E R F I C I						D I S T A N Z E		V O L U M I	
SEZIONE 4			SEZIONE 3			RILEV.	SCAVO	RILEV.	SCAVO
	RILEV.	SCAVO		RILEV.	SCAVO				
			0.31x1/2x(0.00+ 0.21)	0.03		1.11		0.017	
			0.85x1/2x(-0.29+ -0.05)		0.14		1.11		0.078
0.18x1/2x(0.00+ 0.17)	0.02					1.11		0.011	
1.43x1/2x(0.17+ 1.53)	1.22		1.43x1/2x(0.00+ 0.40)	0.29		1.11		0.838	
0.10x1/2x(1.03+ 1.06)	0.10		0.10x1/2x(0.40+ 0.42)	0.04		1.11		0.078	
0.02x1/2x(1.06+ 1.07)	0.02		0.02x1/2x(0.42+ 0.43)	0.01		1.11		0.017	
0.63x1/2x(1.07+ 1.28)	0.74		0.63x1/2x(0.43+ 0.64)	0.34		1.11		0.599	
1.24x1/2x(1.28+ 1.38)	1.65		1.24x1/2x(0.64+ 1.06)	1.05		1.11		1.498	
0.49x1/2x(1.38+ 1.21)	0.63		0.49x1/2x(1.06+ 1.23)	0.56		1.11		0.660	
0.78x1/2x(1.21+ 0.93)	0.83		0.78x1/2x(1.23+ 1.30)	0.99		1.11		1.010	
0.48x1/2x(0.93+ 0.88)	0.43		0.48x1/2x(1.30+ 1.34)	0.63		1.11		0.588	
0.46x1/2x(0.88+ 0.83)	0.39		0.46x1/2x(1.34+ 1.18)	0.58		1.11		0.538	
	6.03	0.00		4.52	0.14			5.854	0.078

Movimenti di terra

CALCOLO DETTAGLIATO DELLE AREE E VOLUMI

S U P E R F I C I						D I S T A N Z E		V O L U M I	
SEZIONE 5			SEZIONE 4			RILEV.	SCAVO	RILEV.	SCAVO
	RILEV.	SCAVO		RILEV.	SCAVO				
			1.61x1/2x(0.00+ 1.53)	1.23		1.89		1.162	
			0.12x1/2x(1.03+ 1.07)	0.13		1.89		0.123	
			0.63x1/2x(1.07+ 1.28)	0.74		1.89		0.699	
			0.92x1/2x(1.28+ 1.35)	1.21		1.89		1.143	
0.32x1/2x(0.00+ 0.29)	0.05		0.32x1/2x(1.35+ 1.38)	0.44		1.89		0.463	
1.27x1/2x(0.29+ 1.48)	1.12		1.27x1/2x(1.38+ 0.93)	1.47		1.89		2.448	
0.93x1/2x(1.48+ 2.35)	1.78		0.93x1/2x(0.93+ 0.83)	0.82		1.89		2.457	
	2.95	0.00		6.04	0.00			8.495	0.000

S U P E R F I C I						D I S T A N Z E		V O L U M I	
SEZIONE 6			SEZIONE 5			RILEV.	SCAVO	RILEV.	SCAVO
	RILEV.	SCAVO		RILEV.	SCAVO				
1.29x1/2x(0.00+ 0.71)	0.46		2.52x1/2x(0.00+ 2.35)	2.96	0.00	4.61		1.060	
1.01x1/2x(0.71+ 1.49)	1.11					4.61		2.559	
2.52x1/2x(1.49+ 3.41)	6.17					4.61		21.045	
	7.74	0.00						24.664	0.000

S U P E R F I C I						D I S T A N Z E		V O L U M I	
SEZIONE 7			SEZIONE 6			RILEV.	SCAVO	RILEV.	SCAVO
	RILEV.	SCAVO		RILEV.	SCAVO				
0.67x1/2x(0.00+ 0.48)	0.16		0.67x1/2x(0.00+ 0.37)	0.12	0.00	4.29		0.343	
0.67x1/2x(0.48+ 0.96)	0.48					4.29		1.287	
0.62x1/2x(0.96+ 1.35)	0.72					4.29		2.252	
3.53x1/2x(1.35+ 3.51)	8.58					4.29		33.998	
	9.94	0.00		7.72	0.00			37.880	0.000

S U P E R F I C I						D I S T A N Z E		V O L U M I	
SEZIONE 8			SEZIONE 7			RILEV.	SCAVO	RILEV.	SCAVO
	RILEV.	SCAVO		RILEV.	SCAVO				
0.49x1/2x(0.00+ 0.30)	0.07		1.34x1/2x(0.00+ 0.96)	0.64	0.00	5.14		0.180	
0.08x1/2x(0.30+ 0.35)	0.03					5.14		0.077	
1.34x1/2x(0.35+ 1.22)	1.05					5.14		4.343	
1.14x1/2x(1.22+ 1.96)	1.81					5.14		8.481	
3.01x1/2x(1.96+ 3.65)	8.44		3.01x1/2x(1.66+ 3.51)	7.78		5.14		41.685	
	11.40	0.00		9.91	0.00			54.766	0.000

S U P E R F I C I						D I S T A N Z E		V O L U M I	
SEZIONE 9			SEZIONE 8			RILEV.	SCAVO	RILEV.	SCAVO
	RILEV.	SCAVO		RILEV.	SCAVO				
0.39x1/2x(0.00+ 0.24)	0.05		0.37x1/2x(0.07+ 0.30)	0.07	0.00	2.26		0.056	
0.12x1/2x(0.24+ 0.32)	0.03					2.26		0.034	
0.37x1/2x(0.32+ 0.54)	0.16					2.26		0.260	
2.56x1/2x(0.54+ 2.10)	3.38					2.26		7.085	
0.60x1/2x(2.10+ 2.46)	1.37		0.60x1/2x(1.96+ 2.29)	1.27		2.26		2.983	
2.41x1/2x(2.46+ 3.82)	7.57		2.41x1/2x(2.29+ 3.65)	7.16		2.26		16.645	
	12.56	0.00		11.39	0.00			27.063	0.000

S U P E R F I C I						D I S T A N Z E		V O L U M I	
SEZIONE 10			SEZIONE 9			RILEV.	SCAVO	RILEV.	SCAVO
	RILEV.	SCAVO		RILEV.	SCAVO				
1.45x1/2x(0.00+ 0.84)	0.61	0.00	0.51x1/2x(0.00+ 0.32)	0.08		6.50		0.260	
			0.69x1/2x(0.32+ 0.74)	0.37		6.50		1.202	
			1.45x1/2x(0.74+ 1.62)	1.71		6.50		7.540	
			1.38x1/2x(1.62+ 2.46)	2.82		6.50		14.852	
2.41x1/2x(1.70+ 3.20)	5.90		2.41x1/2x(2.46+ 3.82)	7.57		6.50		43.777	
	8.26	0.00		12.55	0.00			67.631	0.000

S U P E R F I C I						D I S T A N Z E		V O L U M I	
SEZIONE 11			SEZIONE 10			RILEV.	SCAVO	RILEV.	SCAVO
	RILEV.	SCAVO		RILEV.	SCAVO				
0.50x1/2x(0.00+ 0.29)	0.07		0.95x1/2x(0.00+ 0.55)	0.26		6.24		0.811	
3.79x1/2x(0.29+ 2.50)	5.29		0.50x1/2x(0.55+ 0.84)	0.35		6.24		1.310	
			3.79x1/2x(0.84+ 3.20)	7.66		6.24		40.404	
	5.36	0.00		8.27	0.00			42.525	0.000

Movimenti di terra

DATA

R I E P I L O G O M O V I M E N T I D I T E R R A								
SEZIONE	D I S T A N Z E P R O G R E S S I V E	S U P E R F I C I		D I S T A N Z E P A R Z I A L I	V O L U M E P A R Z I A L E		V O L U M E P R O G R E S S I V O	
		RILEVATO	SCAVO		RILEVATO	SCAVO	RILEVATO	SCAVO
1	0.00	0.00	0.00					
2	1.87	0.00	0.80	1.87	0.000	0.748	0.000	0.748
3	6.52	4.52	0.15	4.65	8.962	0.671	8.962	1.419
4	7.63	6.03	0.00	1.11	5.854	0.078	14.816	1.497
5	9.52	2.95	0.00	1.89	8.495	0.000	23.311	1.497
6	14.13	7.74	0.00	4.61	24.664	0.000	47.975	1.497
7	18.42	9.94	0.00	4.29	37.880	0.000	85.855	1.497
8	23.56	11.40	0.00	5.14	54.766	0.000	140.621	1.497
9	25.82	12.56	0.00	2.26	27.063	0.000	167.684	1.497
10	32.32	8.26	0.00	6.50	67.631	0.000	235.315	1.497
11	38.56	5.36	0.00	6.24	42.525	0.000	277.840	1.497
TOTALI		68.76	0.95	38.56			277.840	1.497

S U P E R F I C I						D I S T A N Z E		V O L U M I			
S E Z I O N E 2			S E Z I O N E 1			R I L E V .	S C A V O	R I L E V .	S C A V O		
	R I L E V .	S C A V O		R I L E V .	S C A V O						
3.69x1/2x(0.00+ 0.01)	0.02		0.01x1/2x(0.00+ 0.00)	0.00	0.00	1.87		0.017			
0.01x1/2x(0.01+ 0.01)	0.00							1.87		0.000	
	0.02	0.00								0.019	0.000

S U P E R F I C I						D I S T A N Z E		V O L U M I			
S E Z I O N E 3			S E Z I O N E 2			R I L E V .	S C A V O	R I L E V .	S C A V O		
	R I L E V .	S C A V O		R I L E V .	S C A V O						
2.96x1/2x(0.50+ 0.50)	1.48		3.70x1/2x(0.01+ 0.01)	0.04	0.00	4.65		3.441			
3.70x1/2x(0.50+ 0.50)	1.85							4.65		4.387	
	3.33	0.00								7.835	0.000

S U P E R F I C I						D I S T A N Z E		V O L U M I	
S E Z I O N E 4			S E Z I O N E 3			R I L E V .	S C A V O	R I L E V .	S C A V O
	R I L E V .	S C A V O		R I L E V .	S C A V O				
4.20x1/2x(0.50+ 0.50)	2.10		2.46x1/2x(0.50+ 0.50)	1.23		1.11		0.683	
			4.20x1/2x(0.50+ 0.50)	2.10		1.11		2.331	
	2.10	0.00		3.33	0.00			3.014	0.000

R I E P I L O G O M O V I M E N T I D I T E R R A								
S E Z I O N E	D I S T A N Z E P R O G R E S S I V E	S U P E R F I C I		D I S T A N Z E P A R Z I A L I	V O L U M E P A R Z I A L E		V O L U M E P R O G R E S S I V O	
		R I L E V A T O	S C A V O		R I L E V A T O	S C A V O	R I L E V A T O	S C A V O
1	0.00	0.00	0.00					
2	1.87	0.02	0.00	1.87	0.019	0.000	0.019	0.000
3	6.52	3.33	0.00	4.65	7.835	0.000	7.854	0.000
4	7.63	2.10	0.00	1.11	3.014	0.000	10.868	0.000
TOTALI		5.45	0.00	7.63			10.868	0.000

SCARPATA LATO EST

SUPERFICIE						Distanze		Volumi	
SEZIONE 2			SEZIONE 1			RILEV.	SCAVO	RILEV.	SCAVO
	RILEV.	SCAVO		RILEV.	SCAVO				
0.01x1/2x(0.68+ 0.68)	0.01					1.15		0.006	
0.96x1/2x(0.68+ 0.00)	0.33					1.15		0.190	
	0.34	0.00		0.00	0.00			0.196	0.000

Movimenti di terra

CALCOLO DETTAGLIATO DELLE AREE E VOLUMI

SUPERFICIE						Distanze		Volumi	
SEZIONE 3			SEZIONE 2			RILEV.	SCAVO	RILEV.	SCAVO
	RILEV.	SCAVO		RILEV.	SCAVO				
0.01x1/2x(0.76+ 0.76)	0.01		0.01x1/2x(0.68+ 0.68)	0.01		0.61		0.006	
0.96x1/2x(0.76+ 0.11)	0.42		0.96x1/2x(0.68+ 0.00)	0.33		0.61		0.229	
0.17x1/2x(0.11+ 0.00)	0.01					0.61		0.003	
	0.44	0.00		0.34	0.00			0.238	0.000

Movimenti di terra

CALCOLO DETTAGLIATO DELLE AREE E VOLUMI

SUPERFICIE						Distanze		Volumi	
SEZIONE 4			SEZIONE 3			RILEV.	SCAVO	RILEV.	SCAVO
	RILEV.	SCAVO		RILEV.	SCAVO				
0.01x1/2x(-1.04+ -1.04)		0.01	0.01x1/2x(0.76+ 0.76)	0.01		1.92	1.91	0.010	0.010
1.13x1/2x(-1.04+ -0.34)		0.78	1.13x1/2x(0.76+ 0.00)	0.43		1.36	2.47	0.292	0.963
0.55x1/2x(-0.34+ 0.00)		0.09					3.83		0.172
	0.00	0.88		0.44	0.00			0.302	1.145

Movimenti di terra

CALCOLO DETTAGLIATO DELLE AREE E VOLUMI

SUPERFICIE						Distanze		Volumi	
SEZIONE 5			SEZIONE 4			RILEV.	SCAVO	RILEV.	SCAVO
	RILEV.	SCAVO		RILEV.	SCAVO				
0.01x1/2x(-1.20+ -1.20)		0.01	0.01x1/2x(-1.04+ -1.04)		0.01		1.11		0.011
1.68x1/2x(-1.20+ -0.15)		1.13	1.68x1/2x(-1.04+ 0.00)		0.87		1.11		1.110
0.25x1/2x(-0.15+ 0.00)		0.02					1.11		0.011
	0.00	1.16		0.00	0.88			0.000	1.132

Movimenti di terra

CALCOLO DETTAGLIATO DELLE AREE E VOLUMI

SUPERFICIE						Distanze		Volumi	
SEZIONE 6			SEZIONE 5			RILEV.	SCAVO	RILEV.	SCAVO
	RILEV.	SCAVO		RILEV.	SCAVO				
0.01x1/2x(-1.02+ -1.03)		0.01	0.01x1/2x(-1.20+ -1.20)		0.01		1.67		0.017
1.74x1/2x(-1.03+ 0.00)		0.90	1.74x1/2x(-1.20+ -0.12)		1.15		1.67		1.712
			0.19x1/2x(-0.12+ 0.00)		0.01		1.67		0.008
	0.00	0.91		0.00	1.17			0.000	1.737

Movimenti di terra

CALCOLO DETTAGLIATO DELLE AREE E VOLUMI

SUPERFICIE						Distanze		Volumi	
SEZIONE 7			SEZIONE 6			RILEV.	SCAVO	RILEV.	SCAVO
	RILEV.	SCAVO		RILEV.	SCAVO				
0.01x1/2x(-0.56+ -0.56)		0.01	0.01x1/2x(-1.02+ -1.03)		0.01		7.33		0.073
0.94x1/2x(-0.56+ 0.00)		0.26	0.94x1/2x(-1.03+ -0.47)		0.70		7.33		3.518
			0.80x1/2x(-0.47+ 0.00)		0.19		7.33		0.696
	0.00	0.27		0.00	0.90			0.000	4.287

S U P E R F I C I						D I S T A N Z E		V O L U M I	
SEZIONE 8			SEZIONE 7			RILEV.	SCAVO	RILEV.	SCAVO
	RILEV.	SCAVO		RILEV.	SCAVO				
0.01x1/2x(-0.77+ -0.77)		0.01	0.01x1/2x(-0.56+ -0.56)		0.01		3.84		0.038
0.94x1/2x(-0.77+ -0.19)		0.45	0.94x1/2x(-0.56+ 0.00)		0.26		3.84		1.363
0.31x1/2x(-0.19+ 0.00)		0.03					3.84		0.058
	0.00	0.49		0.00	0.27			0.000	1.459

Movimenti di terra

CALCOLO DETTAGLIATO DELLE AREE E VOLUMI

S U P E R F I C I						D I S T A N Z E		V O L U M I	
SEZIONE 9			SEZIONE 8			RILEV.	SCAVO	RILEV.	SCAVO
	RILEV.	SCAVO		RILEV.	SCAVO				
0.01x1/2x(-1.04+ -1.04)		0.01	0.01x1/2x(-0.77+ -0.77)		0.01		7.75		0.077
1.25x1/2x(-1.04+ -0.26)		0.81	1.25x1/2x(-0.77+ 0.00)		0.48		7.75		4.999
0.42x1/2x(-0.26+ 0.00)		0.05					7.75		0.194
	0.00	0.87		0.00	0.49			0.000	5.270

Movimenti di terra

CALCOLO DETTAGLIATO DELLE AREE E VOLUMI

S U P E R F I C I						D I S T A N Z E		V O L U M I	
SEZIONE 10			SEZIONE 9			RILEV.	SCAVO	RILEV.	SCAVO
	RILEV.	SCAVO		RILEV.	SCAVO				
0.01x1/2x(-1.52+ -1.52)		0.02	0.01x1/2x(-1.04+ -1.04)		0.01		7.25		0.109
1.66x1/2x(-1.52+ -0.49)		1.67	1.66x1/2x(-1.04+ 0.00)		0.86		7.25		9.171
0.78x1/2x(-0.49+ 0.00)		0.19					7.25		0.689
	0.00	1.88		0.00	0.87			0.000	9.969

Movimenti di terra

DATA

R I E P I L O G O M O V I M E N T I D I T E R R A								
SEZIONE	D I S T A N Z E P R O G R E S S I V E	S U P E R F I C I		D I S T A N Z E P A R Z I A L I	V O L U M E P A R Z I A L E		V O L U M E P R O G R E S S I V O	
		RILEVATO	SCAVO		RILEVATO	SCAVO	RILEVATO	SCAVO
1	0.00	0.00	0.00					
2	1.15	0.34	0.00	1.15	0.196	0.000	0.196	0.000
3	1.76	0.44	0.00	0.61	0.238	0.000	0.434	0.000
4	5.59	0.00	0.88	3.83	0.302	1.145	0.736	1.145
5	6.70	0.00	1.16	1.11	0.000	1.132	0.736	2.277
6	8.37	0.00	0.91	1.67	0.000	1.737	0.736	4.014
7	15.70	0.00	0.27	7.33	0.000	4.287	0.736	8.301
8	19.54	0.00	0.49	3.84	0.000	1.459	0.736	9.760
9	27.29	0.00	0.87	7.75	0.000	5.270	0.736	15.030
10	34.54	0.00	1.88	7.25	0.000	9.969	0.736	24.999
TOTALI		0.78	6.46	34.54			0.736	24.999

RIEPILOGO VOLUMI MOVIMENTI DI TERRA

Postazione:	rilevato = mc. 2970,632	scavo = mc. 362,527
Scarpata est:	" = mc. 0,736	" = mc. 24,999
Scarpata ovest:	" = mc. <u>277,840</u>	" = mc. <u>1,497</u>
	Sommano mc. <u>3249,208</u>	mc. <u>389,023</u>

Misto di cava: postazione = mc. 1395,699
Scarpata ovest = mc. 10,868

Sommano mc. 1406.567

Scotico: postazione: mq 2903,85 x 0,40 = mc. 1161,540