



REGIONE BASILICATA



PROVINCIA DI MATERA



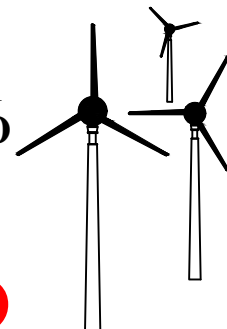
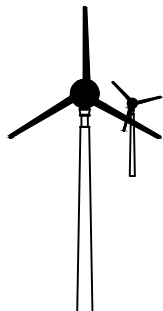
COMUNE DI SALANDRA



COMUNE DI FERRANDINA

PROGETTO PER LA COSTRUZIONE E L'ESERCIZIO DI UN IMPIANTO EOLICO PER LA PRODUZIONE DI ENERGIA ELETTRICA, DELLE OPERE E DELLE INFRASTRUTTURE CONNESSE, DENOMINATO "TORRICELLI"

DA REALIZZARSI NEI COMUNI DI SALANDRA (MT) E FERRANDINA (MT), DI POTENZA PARI A 31 MW ACCOPPIATO AD UN SISTEMA DI ACCUMULO PARI A 8 MW



PROGETTO DEFINITIVO

PROPONENTE:



EDPR BASILICATA S.R.L.

SVILUPPO:



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PROGETTISTI:



PD

PROGETTO DEFINITIVO

ELABORATO:

CALCOLO VOLUMI STERRO E RIPORTO TRACCIATO 2

Tavola:

SAL-PDEF-TAV-003d

Filename:

Data 1° emissione:

Redatto:

Verificato:

Approvato:

Scala:

Protocollo:

n° revisione

1
2
3
4

2.d - Calcolo aree e volumi sterro e riporto tracciato 2

		CALCOLO DELLE AREE	Foglio n. 1		
Sterro					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
Sez5 99.00	A1	(-2.59--4.06) x (387.60+387.33) / 2 (-2.15--2.59) x (387.68+387.60) / 2 (1.96--2.15) x (387.94+387.68) / 2 (2.42-1.96) x (387.96+387.94) / 2 (2.56-2.42) x (387.92+387.96) / 2 (2.75-2.56) x (387.92+387.92) / 2 (2.82-2.75) x (387.97+387.92) / 2 (2.87-2.82) x (388.00+387.97) / 2 (3.00-2.87) x (388.02+388.00) / 2 (4.39-3.00) x (388.04+388.02) / 2 (4.87-4.39) x (387.86+388.04) / 2 (3.25-4.87) x (386.79+387.86) / 2 (0.00-3.25) x (386.82+386.79) / 2 (-3.25-0.00) x (386.79+386.82) / 2 (-4.06--3.25) x (387.33+386.79) / 2	569.57 170.56 1593.90 178.46 54.31 73.70 27.16 19.40 50.44 539.36 186.22 -627.47 -1257.12 -1257.12 -313.52		
Sez6 122.96	A1	(3.97--1.10) x (390.86+389.62) / 2 (5.79-3.97) x (391.28+390.86) / 2 (3.25-5.79) x (389.60+391.28) / 2 (0.00-3.25) x (389.63+389.60) / 2 (-1.10-0.00) x (389.62+389.63) / 2	1978.52 711.75 -991.72 -1266.25 -428.59	7.85	
Sez7 146.92	A1	(5.45-0.41) x (391.43+390.00) / 2 (3.25-5.45) x (389.98+391.43) / 2 (0.41-3.25) x (390.00+389.98) / 2	1969.20 -859.55 -1107.57	3.71	
Sez9 210.00	A1	(3.45-1.64) x (391.31+390.85) / 2 (4.33-3.45) x (391.55+391.31) / 2 (3.25-4.33) x (390.83+391.55) / 2 (1.64-3.25) x (390.85+390.83) / 2	707.85 344.46 -422.49 -629.25	2.08	
Sez10 240.00	A1	(-0.85--0.96) x (391.04+391.01) / 2 (-0.17--0.85) x (391.22+391.04) / 2 (5.91--0.17) x (392.75+391.22) / 2 (3.25-5.91) x (390.99+392.75) / 2 (0.00-3.25) x (391.02+390.99) / 2 (-0.96-0.00) x (391.01+391.02) / 2	43.01 265.97 2383.27 -1042.37 -1270.77 -375.37	3.74	
Sez11 268.57	A1	(6.38--4.26) x (391.38+389.45) / 2 (7.54-6.38) x (391.62+391.38) / 2 (3.25-7.54) x (388.78+391.62) / 2 (0.00-3.25) x (388.81+388.78) / 2 (-3.25-0.00) x (388.78+388.81) / 2 (-4.26--3.25) x (389.45+388.78) / 2	4154.02 454.14 -1673.96 -1263.58 -1263.58 -393.01	14.03	
Sez12 282.15	A1	(-0.29--4.76) x (389.37+388.61) / 2 (6.82--0.29) x (390.58+389.37) / 2 (7.91-6.82) x (390.69+390.58) / 2 (3.25-7.91) x (387.62+390.69) / 2 (0.00-3.25) x (387.64+387.62) / 2 (-3.25-0.00) x (387.62+387.64) / 2 (-4.76--3.25) x (388.61+387.62) / 2	1738.79 2772.72 425.79 -1813.46 -1259.80 -1259.80 -586.05	18.19	
Sez13 295.74	A1	(-0.21--4.83) x (388.22+387.49) / 2 (2.68--0.21) x (388.69+388.22) / 2 (2.96-2.68) x (388.73+388.69) / 2 (7.32-2.96) x (389.29+388.73) / 2 (7.70-7.32) x (389.40+389.29) / 2 (7.74-7.70) x (389.41+389.40) / 2 (3.25-7.74) x (386.45+389.41) / 2 (0.00-3.25) x (386.47+386.45) / 2 (-3.25-0.00) x (386.45+386.47) / 2 (-4.83--3.25) x (387.49+386.45) / 2	1791.89 1122.63 108.84 1696.08 147.95 15.58 -1741.81 -1256.00 -1256.00 -611.41	17.75	
Sez14 325.00	A1	(-3.71--5.55) x (385.81+385.45) / 2 (-1.19--3.71) x (386.31+385.81) / 2 (-0.82--1.19) x (386.35+386.31) / 2 (3.62--0.82) x (387.05+386.35) / 2 (5.33-3.62) x (387.68+387.05) / 2 (6.20-5.33) x (388.00+387.68) / 2 (6.68-6.20) x (388.06+388.00) / 2 (7.03-6.68) x (388.09+388.06) / 2 (8.53-7.03) x (388.09+388.09) / 2 (9.30-8.53) x (388.11+388.09) / 2 (9.57-9.30) x (388.11+388.11) / 2 (3.25-9.57) x (383.93+388.11) / 2 (0.00-3.25) x (383.96+383.93) / 2 (-3.25-0.00) x (383.93+383.96) / 2 (-5.55--3.25) x (385.45+383.93) / 2	709.56 972.87 142.94 1716.95 662.39 337.42 186.25 135.83 582.13 298.84 104.79 -2439.65 -1247.82 -1247.82 -884.79	29.89	
Sez15 345.00	A1	(-3.71--7.06) x (385.41+384.73) / 2 (-0.50--3.71) x (386.04+385.41) / 2 (0.75--0.50) x (386.24+386.04) / 2 (4.04-0.75) x (386.76+386.24) / 2 (5.44-4.04) x (387.35+386.76) / 2 (6.38-5.44) x (387.75+387.35) / 2 (6.67-6.38) x (387.76+387.75) / 2 (7.19-6.67) x (387.83+387.76) / 2 (8.57-7.19) x (387.88+387.83) / 2 (9.84-8.57) x (387.95+387.88) / 2 (10.32-9.84) x (387.98+387.95) / 2 (11.95-10.32) x (388.37+387.98) / 2 (13.25-11.95) x (388.68+388.37) / 2 (13.97-13.25) x (388.30+388.68) / 2 (13.84-13.97) x (388.21+388.30) / 2 (12.34-13.84) x (388.21+388.21) / 2 (3.25-12.34) x (382.21+388.21) / 2 (0.00-3.25) x (382.24+382.21) / 2 (-3.25-0.00) x (382.21+382.24) / 2 (-7.06--3.25) x (384.73+382.21) / 2	1289.98 1238.18 482.67 1271.59 541.88 364.30 112.45 201.65 535.24 492.65 186.22 632.73 505.08 279.71 -50.47 -582.31 -3501.56 -1242.23 -1242.23 -1461.02	54.51	
Sez16 355.00	A1	(-20.34--21.50) x (381.86+381.55) / 2 (-18.40--20.34) x (382.37+381.86) / 2 (-16.62--18.40) x (382.78+382.37) / 2 (-13.83--16.62) x (383.39+382.78) / 2 (-1.62--13.83) x (385.62+383.39) / 2 (-0.28--1.62) x (385.89+385.62) / 2	442.78 741.30 680.98 1068.81 4694.81 516.91		
A RIPORTARE mq			8145.59		

2.d - Calcolo aree e volumi sterro e riporto tracciato 2

		CALCOLO DELLE AREE	Foglio n. 2			
Sterro						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
RIPORTO mq			8145.59			
Sez17 361.80	A1	(0.02--0.28)x(385.93+385.89)/2	115.77			
		(4.01-0.02)x(386.68+385.93)/2	1541.36			
		(6.40-4.01)x(387.62+386.68)/2	925.29			
		(6.70-6.40)x(387.74+387.62)/2	116.30			
		(6.80-6.70)x(387.75+387.74)/2	38.77			
		(7.05-6.80)x(387.81+387.75)/2	96.94			
		(7.38-7.05)x(387.85+387.81)/2	127.98			
		(8.90-7.38)x(387.90+387.85)/2	589.57			
		(10.04-8.90)x(387.94+387.90)/2	442.23			
		(10.51-10.04)x(387.99+387.94)/2	182.34			
		(16.70-10.51)x(389.43+387.99)/2	2406.11			
		(16.72-16.70)x(389.44+389.43)/2	7.79			
		(13.84-16.72)x(387.54+389.44)/2	-1118.85			
		(12.34-13.84)x(387.54+387.54)/2	-581.31			
		(3.25-12.34)x(381.54+387.54)/2	-3495.47			
		(0.00-3.25)x(381.56+381.54)/2	-1240.04			
		(-3.25-0.00)x(381.54+381.56)/2	-1240.04			
		(-21.50--3.25)x(381.55+381.54)/2	-6963.20			
					97.13	
		Sez 18 368.00	A1	(-19.18--21.99)x(382.14+381.37)/2	1072.73	
(-16.59--19.18)x(382.74+382.14)/2	990.52					
(-13.75--16.59)x(383.42+382.74)/2	1087.95					
(-12.24--13.75)x(383.71+383.42)/2	579.18					
(-4.76--12.24)x(385.06+383.71)/2	2875.20					
(-0.59--4.76)x(385.80+385.06)/2	1607.24					
(1.50--0.59)x(386.20+385.80)/2	806.74					
(3.82-1.50)x(386.64+386.20)/2	896.49					
(4.51-3.82)x(386.91+386.64)/2	266.87					
(6.65-4.51)x(387.79+386.91)/2	828.93					
(6.69-6.65)x(387.79+387.79)/2	15.51					
(7.41-6.69)x(387.86+387.79)/2	279.23					
(9.40-7.41)x(387.93+387.86)/2	771.91					
(9.94-9.40)x(387.94+387.93)/2	209.48					
(14.32-9.94)x(389.22+387.94)/2	1701.98					
(14.99-14.32)x(389.48+389.22)/2	260.86					
(15.56-14.99)x(389.54+389.48)/2	222.02					
(17.03-15.56)x(389.46+389.54)/2	572.57					
(13.84-17.03)x(387.35+389.46)/2	-1239.01					
(12.34-13.84)x(387.35+387.35)/2	-581.03					
(3.25-12.34)x(381.35+387.35)/2	-3493.74					
(0.00-3.25)x(381.38+381.35)/2	-1239.44					
(-3.25-0.00)x(381.35+381.38)/2	-1239.44					
(-21.99--3.25)x(381.37+381.35)/2	-7146.69					
			106.06			
Sez19 375.00	A1	(-21.41--22.27)x(381.59+381.37)/2	328.07			
		(-17.66--21.41)x(382.48+381.59)/2	1432.63			
		(-11.97--17.66)x(383.66+382.48)/2	2179.67			
		(-10.49--11.97)x(383.93+383.66)/2	568.02			
		(-9.47--10.49)x(384.12+383.93)/2	391.71			
		(-1.04--9.47)x(385.72+384.12)/2	3244.88			
		(1.88--1.04)x(386.24+385.72)/2	1127.06			
		(3.28-1.88)x(386.51+386.24)/2	540.92			
		(5.89-3.28)x(387.53+386.51)/2	1010.12			
		(6.34-5.89)x(387.74+387.53)/2	174.44			
		(6.97-6.34)x(387.81+387.74)/2	244.30			
		(7.21-6.97)x(387.84+387.81)/2	93.08			
		(7.24-7.21)x(387.85+387.84)/2	11.64			
		(7.32-7.24)x(387.85+387.85)/2	31.03			
		(9.61-7.32)x(387.91+387.85)/2	888.25			
		(10.90-9.61)x(388.28+387.91)/2	500.64			
		(16.19-10.90)x(390.34+388.28)/2	2059.45			
		(17.36-16.19)x(390.46+390.34)/2	456.77			
		(17.98-17.36)x(390.22+390.46)/2	242.01			
		(18.19-17.98)x(390.76+390.22)/2	82.00			
(18.92-18.19)x(390.97+390.76)/2	285.33					
(19.19-18.92)x(390.89+390.97)/2	105.55					
(13.84-19.19)x(387.35+390.89)/2	-2081.79					
(12.34-13.84)x(387.35+387.35)/2	-581.03					
(3.25-12.34)x(381.35+387.35)/2	-3493.74					
(0.00-3.25)x(381.38+381.35)/2	-1239.44					
(-3.25-0.00)x(381.35+381.38)/2	-1239.44					
(-22.27--3.25)x(381.37+381.35)/2	-7253.47					
			108.66			
Sez19 375.00	A1	(-22.90--22.99)x(381.40+381.38)/2	34.33			
		(-19.93--22.90)x(381.80+381.40)/2	1133.35			
		(-18.36--19.93)x(382.09+381.80)/2	599.65			
		(-15.29--18.36)x(382.77+382.09)/2	1174.06			
		(-7.91--15.29)x(384.34+382.77)/2	2830.64			
		(-1.96--7.91)x(385.53+384.34)/2	2290.36			
		(-0.63--1.96)x(385.79+385.53)/2	512.93			
		(2.40--0.63)x(386.31+385.79)/2	1169.73			
		(4.51-2.40)x(387.23+386.31)/2	816.08			
		(5.19-4.51)x(387.56+387.23)/2	263.43			
		(5.88-5.19)x(387.61+387.56)/2	267.43			
		(6.28-5.88)x(387.65+387.61)/2	155.05			
		(6.76-6.28)x(387.67+387.65)/2	186.08			
		(8.76-6.76)x(387.64+387.67)/2	775.31			
		(9.00-8.76)x(387.67+387.64)/2	93.04			
		(11.88-9.00)x(388.92+387.67)/2	1118.29			
		(11.90-11.88)x(388.93+388.92)/2	7.78			
		(11.92-11.90)x(388.96+388.93)/2	7.78			
		(13.82-11.92)x(391.19+388.96)/2	741.14			
		(14.12-13.82)x(390.99+391.19)/2	117.33			
(16.21-14.12)x(390.43+390.99)/2	816.58					
(16.86-16.21)x(390.18+390.43)/2	253.70					
(17.61-16.86)x(392.07+390.18)/2	293.34					
(19.47-17.61)x(392.63+392.07)/2	729.77					
(20.66-19.47)x(392.57+392.63)/2	467.19					
(21.20-20.66)x(392.56+392.57)/2	211.99					
(24.33-21.20)x(391.71+392.56)/2	1227.38					
(17.77-24.33)x(387.38+391.71)/2	-2555.42					
(16.28-17.77)x(387.38+387.38)/2	-577.20					
(7.18-16.28)x(381.38+387.38)/2	-3497.86					
(-22.99-7.18)x(381.38+381.38)/2	-11506.23					
			157.03			
A RIPORTARE mq						

2.d - Calcolo aree e volumi sterro e riporto tracciato 2

		CALCOLO DELLE AREE	Foglio n. 3			
Sterro						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
RIPORTO mq						
Sez20 385.00	A1	(-16.39--23.77)x(382.37+381.38)/2 (-12.00--16.39)x(383.18+382.37)/2 (-5.36--12.00)x(384.65+383.18)/2 (-4.11--5.36)x(384.95+384.65)/2 (-3.82--4.11)x(384.97+384.95)/2 (0.74--3.82)x(385.82+384.97)/2 (3.04-0.74)x(386.94+385.82)/2 (3.38-3.04)x(387.11+386.94)/2 (3.49-3.38)x(387.10+387.11)/2 (4.59-3.49)x(387.03+387.10)/2 (6.24-4.59)x(387.10+387.03)/2 (7.15-6.24)x(387.09+387.10)/2 (7.94-7.15)x(387.18+387.09)/2 (8.81-7.94)x(387.55+387.18)/2 (11.32-8.81)x(388.57+387.55)/2 (11.97-11.32)x(389.23+388.57)/2 (14.14-11.97)x(390.59+389.23)/2 (14.78-14.14)x(390.17+390.59)/2 (15.18-14.78)x(389.95+390.17)/2 (17.92-15.18)x(390.89+389.95)/2 (20.86-17.92)x(392.83+390.89)/2 (21.90-20.86)x(393.20+392.83)/2 (22.10-21.90)x(393.15+393.20)/2 (24.90-22.10)x(392.50+393.15)/2 (25.15-24.90)x(392.46+392.50)/2 (17.45-25.15)x(387.38+392.46)/2 (15.95-17.45)x(387.38+387.38)/2 (6.86-15.95)x(381.38+387.38)/2 (-23.77-6.86)x(381.38+381.38)/2	2818.24 1680.38 2549.20 481.00 111.64 1757.40 888.67 131.59 42.58 425.77 638.66 352.26 305.84 337.01 974.03 252.79 846.10 249.84 156.02 1069.75 1152.07 408.74 78.64 1099.91 98.12 -3002.38 -581.07 -3494.01 -11681.67			
Sez21 395.00	A1	(-19.75--22.62)x(381.80+381.38)/2 (-18.67--19.75)x(381.98+381.80)/2 (-17.17--18.67)x(382.17+381.98)/2 (-16.18--17.17)x(382.34+382.17)/2 (-9.14--16.18)x(383.45+382.34)/2 (-8.20--9.14)x(383.66+383.45)/2 (-6.62--8.20)x(383.97+383.66)/2 (-4.55--6.62)x(384.53+383.97)/2 (-3.52--4.55)x(384.98+384.53)/2 (-1.93--3.52)x(385.12+384.98)/2 (-1.90--1.93)x(385.14+385.12)/2 (-0.62--1.90)x(385.29+385.14)/2 (1.38--0.62)x(386.28+385.29)/2 (1.55-1.38)x(386.37+386.28)/2 (2.54-1.55)x(386.40+386.37)/2 (2.71-2.54)x(386.39+386.40)/2 (2.87-2.71)x(386.38+386.39)/2 (3.55-2.87)x(386.41+386.38)/2 (5.59-3.55)x(386.45+386.41)/2 (6.96-5.59)x(386.89+386.45)/2 (9.53-6.96)x(388.98+386.89)/2 (11.08-9.53)x(390.47+388.98)/2 (11.35-11.08)x(390.29+390.47)/2 (13.29-11.35)x(389.20+390.29)/2 (18.65-13.29)x(391.05+389.20)/2 (20.72-18.65)x(392.38+391.05)/2 (22.74-20.72)x(392.57+392.38)/2 (24.58-22.74)x(393.04+392.57)/2 (25.37-24.58)x(392.83+393.04)/2 (17.12-25.37)x(387.38+392.83)/2 (15.62-17.12)x(387.38+387.38)/2 (6.53-15.62)x(381.38+387.38)/2 (-22.62-6.53)x(381.38+381.38)/2	1095.16 412.44 573.11 378.43 2695.58 360.54 606.43 795.40 396.30 612.23 11.55 493.08 771.57 65.68 382.52 65.69 61.82 262.75 788.32 529.74 996.99 604.07 105.40 756.11 2091.07 810.85 792.80 722.76 310.42 -3218.37 -581.07 -3494.01 -11117.23	147.12		
Sez22 405.00	A1	(-12.93--19.48)x(382.22+381.38)/2 (-10.06--12.93)x(382.71+382.22)/2 (-6.89--10.06)x(383.31+382.71)/2 (-6.63--6.89)x(383.37+383.31)/2 (-5.61--6.63)x(383.80+383.37)/2 (-3.89--5.61)x(384.40+383.80)/2 (-1.89--3.89)x(384.66+384.40)/2 (-1.41--1.89)x(384.72+384.66)/2 (-1.05--1.41)x(384.73+384.72)/2 (-0.67--1.05)x(384.90+384.73)/2 (1.25--0.67)x(385.64+384.90)/2 (1.89-1.25)x(385.72+385.64)/2 (1.96-1.89)x(385.73+385.72)/2 (2.08-1.96)x(385.73+385.73)/2 (4.73-2.08)x(385.66+385.73)/2 (6.81-4.73)x(386.73+385.66)/2 (10.40-6.81)x(387.97+386.73)/2 (11.20-10.40)x(388.22+387.97)/2 (11.72-11.20)x(388.34+388.22)/2 (14.36-11.72)x(389.32+388.34)/2 (15.44-14.36)x(389.87+389.32)/2 (19.90-15.44)x(391.83+389.87)/2 (21.88-19.90)x(391.72+391.83)/2 (22.65-21.88)x(391.52+391.72)/2 (22.98-22.65)x(391.47+391.52)/2 (16.79-22.98)x(387.38+391.47)/2 (15.29-16.79)x(387.38+387.38)/2 (6.20-15.29)x(381.38+387.38)/2 (-19.48-6.20)x(381.38+381.38)/2	2500.79 1097.67 1214.14 99.67 391.26 660.65 769.06 184.65 138.50 146.23 739.72 246.84 27.00 46.29 1022.09 803.29 1390.59 310.48 201.91 1026.51 420.76 1743.19 775.71 301.55 129.19 -2410.54 -581.07 -3494.01 -9793.84	138.13		
23 414.00	A1	(-11.19--16.63)x(381.91+381.38)/2 (-5.27--11.19)x(383.16+381.91)/2 (-3.69--5.27)x(383.51+383.16)/2 (-2.09--3.69)x(383.81+383.51)/2 (-1.69--2.09)x(383.87+383.81)/2 (-0.40--1.69)x(383.95+383.87)/2 (1.78--0.40)x(384.76+383.95)/2 (1.98-1.78)x(384.82+384.76)/2 (2.04-1.98)x(384.82+384.82)/2 (2.62-2.04)x(384.79+384.82)/2 (3.79-2.62)x(384.80+384.79)/2	2076.15 2264.61 605.67 613.86 153.54 495.24 837.89 76.96 23.09 223.19 450.21	108.28		
A RIPORTARE mq			7820.41			

		CALCOLO DELLE AREE			Foglio n. 4
Sterro					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq			7820.41		
		$(4.97-3.79) \times (384.86+384.80) / 2$ $(5.05-4.97) \times (384.91+384.86) / 2$ $(7.53-5.05) \times (385.39+384.91) / 2$ $(7.84-7.53) \times (385.48+385.39) / 2$ $(12.73-7.84) \times (386.69+385.48) / 2$ $(13.22-12.73) \times (386.87+386.69) / 2$ $(14.51-13.22) \times (387.06+386.87) / 2$ $(5.91-14.51) \times (381.38+387.06) / 2$ $(-16.63-5.91) \times (381.38+381.38) / 2$	454.10 30.79 955.17 119.48 1887.96 189.52 499.18 -3304.29 -8596.31	56.01	
Il Direttore dei Lavori		L'Impresa			

2.d - Calcolo aree e volumi sterro e riporto tracciato 2

		CALCOLO DELLE AREE	Foglio n. 5		
Riporto					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
Sez1 0.00	B1	(-3.25--4.11)x(385.74+385.17)/2 (0.00--3.25)x(385.76+385.74)/2 (3.25-0.00)x(385.74+385.76)/2 (6.13-3.25)x(383.83+385.74)/2 (4.38-6.13)x(384.11+383.83)/2 (0.95-4.38)x(384.36+384.11)/2 (-1.41-0.95)x(384.40+384.36)/2 (-2.75--1.41)x(384.46+384.40)/2 (-3.78--2.75)x(384.80+384.46)/2 (-4.11--3.78)x(385.17+384.80)/2	331.49 1253.69 1253.69 1108.18 -671.95 -1317.93 -907.14 -515.14 -396.17 -127.05		
Sez2 30.00	B1	(-3.25--5.23)x(381.67+380.36)/2 (0.00--3.25)x(381.69+381.67)/2 (3.25-0.00)x(381.67+381.69)/2 (4.37-3.25)x(380.93+381.67)/2 (3.90-4.37)x(380.88+380.93)/2 (1.21-3.90)x(380.65+380.88)/2 (-4.41-1.21)x(380.40+380.65)/2 (-5.23--4.41)x(380.36+380.40)/2	754.41 1240.46 1240.46 427.06 -179.03 -1024.26 -2138.55 -311.91	11.67	
Sez3 60.00	B1	(-3.25--7.49)x(380.39+377.59)/2 (0.00--3.25)x(380.42+380.39)/2 (3.25-0.00)x(380.39+380.42)/2 (5.24-3.25)x(379.08+380.39)/2 (0.69-5.24)x(378.77+379.08)/2 (-7.07-0.69)x(377.66+378.77)/2 (-7.37--7.07)x(377.62+377.66)/2 (-7.49--7.37)x(377.59+377.62)/2	1606.92 1236.32 1236.32 755.67 -1724.11 -2934.95 -113.29 -45.31		8.64
Sez4 79.00	B1	(-3.25--6.24)x(383.39+381.42)/2 (0.00--3.25)x(383.42+383.39)/2 (3.25-0.00)x(383.39+383.42)/2 (4.53-3.25)x(382.55+383.39)/2 (4.05-4.53)x(382.34+382.55)/2 (2.75-4.05)x(381.78+382.34)/2 (2.08-2.75)x(381.75+381.78)/2 (-2.41-2.08)x(381.78+381.75)/2 (-4.89--2.41)x(381.51+381.78)/2 (-6.24--4.89)x(381.42+381.51)/2	1143.39 1246.07 1246.07 490.20 -183.57 -496.68 -255.78 -1714.12 -946.48 -514.98	14.12	
Sez6 122.96	B1	(-3.25--4.43)x(389.60+388.82)/2 (-1.10--3.25)x(389.62+389.60)/2 (-3.91--1.10)x(388.93+389.62)/2 (-4.43--3.91)x(388.82+388.93)/2	459.27 837.66 -1093.86 -202.21		0.86
Sez7 146.92	B1	(-3.25--5.88)x(389.98+388.24)/2 (0.00--3.25)x(390.00+389.98)/2 (0.41-0.00)x(390.00+390.00)/2 (-1.59-0.41)x(389.43+390.00)/2 (-5.87--1.59)x(388.24+389.43)/2 (-5.88--5.87)x(388.24+388.24)/2	1023.36 1267.47 159.90 -779.43 -1664.21 -3.88		3.21
Sez8 180.00	B1	(-3.25--8.98)x(390.43+386.65)/2 (0.00--3.25)x(390.45+390.43)/2 (3.25-0.00)x(390.43+390.45)/2 (3.43-3.25)x(390.31+390.43)/2 (-0.21-3.43)x(389.26+390.31)/2 (-7.48--0.21)x(387.08+389.26)/2 (-8.98--7.48)x(386.65+387.08)/2	2226.33 1268.93 1268.93 70.27 -1418.82 -2822.00 -580.30	13.34	
Sez9 210.00	B1	(-3.25--6.31)x(390.83+388.81)/2 (0.00--3.25)x(390.86+390.83)/2 (1.64-0.00)x(390.85+390.86)/2 (-0.71-1.64)x(390.24+390.85)/2 (-4.35--0.71)x(389.32+390.24)/2 (-6.31--4.35)x(388.81+389.32)/2	1192.85 1270.25 641.00 -917.78 -1418.80 -762.57		4.95
Sez10 240.00	B1	(-3.25--4.50)x(390.99+390.17)/2 (-0.96--3.25)x(391.01+390.99)/2 (-1.16--0.96)x(390.96+391.01)/2 (-4.50--1.16)x(390.17+390.96)/2	488.23 895.39 -78.20 -1304.49		0.93
Sez16 355.00	B1	(-42.70--57.38)x(381.56+371.88)/2 (-21.50--42.70)x(381.55+381.56)/2 (-23.48--21.50)x(381.02+381.55)/2 (-28.55--23.48)x(379.62+381.02)/2 (-30.58--28.55)x(379.06+379.62)/2 (-39.45--30.58)x(376.41+379.06)/2 (-52.13--39.45)x(372.66+376.41)/2 (-54.47--52.13)x(372.12+372.66)/2 (-57.38--54.47)x(371.88+372.12)/2	5530.25 8088.97 -754.94 -1928.22 -770.06 -3350.51 -4749.10 -871.39 -1082.52	112.48	
Sez17 361.80	B1	(-42.66--57.57)x(381.38+371.55)/2 (-21.99--42.66)x(381.37+381.38)/2 (-24.09--21.99)x(380.79+381.37)/2 (-25.32--24.09)x(380.47+380.79)/2 (-27.85--25.32)x(379.75+380.47)/2 (-32.66--27.85)x(378.44+379.75)/2 (-45.25--32.66)x(374.66+378.44)/2 (-51.85--45.25)x(372.78+374.66)/2 (-57.44--51.85)x(371.47+372.78)/2 (-57.50--57.44)x(371.52+371.47)/2 (-57.57--57.50)x(371.55+371.52)/2	5613.09 7883.02 -800.27 -468.17 -961.68 -1823.45 -4740.76 -2466.55 -2080.18 -22.29 -26.01		106.75
Sez 18 368.00	B1	(-42.99--57.28)x(381.38+371.95)/2 (-22.27--42.99)x(381.37+381.38)/2 (-22.54--22.27)x(381.29+381.37)/2 (-34.22--22.54)x(377.96+381.29)/2 (-34.56--34.22)x(377.86+377.96)/2 (-35.47--34.56)x(377.59+377.86)/2 (-53.15--35.47)x(372.55+377.59)/2 (-55.47--53.15)x(372.00+372.55)/2 (-55.63--55.47)x(372.14+372.00)/2 (-57.28--55.63)x(371.95+372.14)/2	5382.54 7902.09 -102.96 -4434.02 -128.49 -343.73 -6631.24 -863.68 -59.53 -613.87		107.11
Sez19 375.00	B1	(-43.15--56.95)x(381.38+372.27)/2 (-22.99--43.15)x(381.38+381.38)/2	5200.19 7688.62		
A RIPORTARE mq			12888.81		

Riporto		CALCOLO DELLE AREE		Foglio n.	6				
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE				
RIPORTO mq			12888.81						
Sez20 385.00	B1	(-29.85--22.99) x (379.58+381.38) / 2	-2610.09	97.16					
		(-35.64--29.85) x (377.95+379.58) / 2	-2193.05						
		(-47.50--35.64) x (374.47+377.95) / 2	-4461.85						
		(-53.87--47.50) x (372.55+374.47) / 2	-2379.26						
		(-54.55--53.87) x (372.73+372.55) / 2	-253.40						
		(-56.95--54.55) x (372.27+372.73) / 2	-894.00						
		(-43.38--56.92) x (381.38+372.45) / 2	5103.43						
		(-23.77--43.38) x (381.38+381.38) / 2	7478.86						
		(-24.73--23.77) x (381.25+381.38) / 2	-366.06						
		(-31.21--24.73) x (379.55+381.25) / 2	-2464.99						
		(-37.96--31.21) x (378.16+379.55) / 2	-2557.27						
		(-38.26--37.96) x (378.06+378.16) / 2	-113.43						
(-52.82--38.26) x (373.43+378.06) / 2	-5470.85								
(-54.91--52.82) x (372.75+373.43) / 2	-779.76								
(-56.23--54.91) x (372.55+372.75) / 2	-491.90								
(-56.92--56.23) x (372.45+372.55) / 2	-257.03								
Sez21 395.00	B1	(-43.71--54.98) x (381.38+373.94) / 2	4256.23	81.00					
		(-22.62--43.71) x (381.38+381.38) / 2	8043.30						
		(-30.04--22.62) x (380.30+381.38) / 2	-2825.83						
		(-33.73--30.04) x (379.62+380.30) / 2	-1402.05						
		(-37.35--33.73) x (378.79+379.62) / 2	-1372.72						
		(-40.40--37.35) x (377.96+378.79) / 2	-1154.04						
		(-45.06--40.40) x (376.52+377.96) / 2	-1757.94						
		(-46.81--45.06) x (376.05+376.52) / 2	-658.50						
		(-47.56--46.81) x (376.08+376.05) / 2	-282.05						
		(-48.78--47.56) x (375.74+376.08) / 2	-458.61						
		(-52.62--48.78) x (374.70+375.74) / 2	-1440.84						
		(-53.15--52.62) x (374.55+374.70) / 2	-198.55						
		(-54.78--53.15) x (374.01+374.55) / 2	-610.08						
		(-54.98--54.78) x (373.94+374.01) / 2	-74.79						
		(-43.83--54.65) x (381.38+374.24) / 2	4087.90						
		(-19.48--43.83) x (381.38+381.38) / 2	9286.60						
		(-31.01--19.48) x (379.89+381.38) / 2	-4388.72						
(-37.33--31.01) x (378.81+379.89) / 2	-2397.49								
(-38.15--37.33) x (378.76+378.81) / 2	-310.60								
(-38.31--38.15) x (378.73+378.76) / 2	-60.60								
(-46.04--38.31) x (376.87+378.73) / 2	-2920.39								
(-46.55--46.04) x (376.81+376.87) / 2	-192.19								
(-49.33--46.55) x (375.96+376.81) / 2	-1046.35								
(-50.55--49.33) x (375.61+375.96) / 2	-458.46								
(-54.11--50.55) x (374.37+375.61) / 2	-1334.96								
(-54.65--54.11) x (374.24+374.37) / 2	-202.12								
23 414.00	B1	(-44.03--54.51) x (381.38+374.47) / 2	3960.65	62.62					
		(-16.63--44.03) x (381.38+381.38) / 2	10449.81						
		(-21.71--16.63) x (380.89+381.38) / 2	-1936.17						
		(-27.71--21.71) x (380.13+380.89) / 2	-2283.06						
		(-36.48--27.71) x (378.97+380.13) / 2	-3328.65						
		(-38.87--36.48) x (378.69+378.97) / 2	-905.40						
		(-39.11--38.87) x (378.63+378.69) / 2	-90.88						
		(-43.95--39.11) x (377.24+378.63) / 2	-1829.21						
		(-50.39--43.95) x (375.59+377.24) / 2	-2424.11						
		(-51.17--50.39) x (375.34+375.59) / 2	-292.86						
		(-52.04--51.17) x (375.16+375.34) / 2	-326.47						
		(-52.36--52.04) x (375.07+375.16) / 2	-120.04						
		(-53.45--52.36) x (374.74+375.07) / 2	-408.65						
		(-54.51--53.45) x (374.47+374.74) / 2	-397.08						
								67.88	
		Il Direttore dei Lavori				L'Impresa			

		COMPUTO DEI VOLUMI					Foglio n. 7	
Sterro								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	AREA	DISTANZA SEZIONI m	DISTANZA DI CALCOLO m	VOLUME PARZIALE mc	VOLUME TOTALE mc
Sez4	Sez5	Sez5	A1	7.85	20.00	10.00	78.50	
Sez5	Sez6	Sez5	A1	7.85	23.96	11.98	94.04	78.50
99.00	122.96	Sez6	A1	3.71	23.96	11.98	44.45	
Sez6	Sez7	Sez6	A1	3.71	23.96	11.98	44.45	138.49
122.96	146.92	Sez7	A1	2.08	23.96	11.98	24.92	
Sez7	Sez8	Sez7	A1	2.08	33.08	16.54	34.40	69.37
Sez8	Sez9	Sez9	A1	0.57	30.00	15.00	8.55	34.40
Sez9	Sez10	Sez9	A1	0.57	30.00	15.00	8.55	8.55
210.00	240.00	Sez10	A1	3.74	30.00	15.00	56.10	
Sez10	Sez11	Sez10	A1	3.74	28.57	14.28	53.41	64.65
240.00	268.57	Sez11	A1	14.03	28.57	14.28	200.35	
Sez11	Sez12	Sez11	A1	14.03	13.58	6.79	95.26	253.76
268.57	282.15	Sez12	A1	18.19	13.58	6.79	123.51	
Sez12	Sez13	Sez12	A1	18.19	13.59	6.80	123.69	218.77
282.15	295.74	Sez13	A1	17.75	13.59	6.80	120.70	
Sez13	Sez14	Sez13	A1	17.75	29.26	14.63	259.68	244.39
295.74	325.00	Sez14	A1	29.89	29.26	14.63	437.29	
Sez14	Sez15	Sez14	A1	29.89	20.00	10.00	298.90	696.97
325.00	345.00	Sez15	A1	54.51	20.00	10.00	545.10	
Sez15	Sez16	Sez15	A1	54.51	10.00	5.00	272.55	844.00
345.00	355.00	Sez16	A1	97.13	10.00	5.00	485.65	
Sez16	Sez17	Sez16	A1	97.13	6.80	3.40	330.24	758.20
355.00	361.80	Sez17	A1	106.06	6.80	3.40	360.60	
Sez17	Sez 18	Sez17	A1	106.06	6.20	3.10	328.79	690.84
361.80	368.00	Sez 18	A1	108.66	6.20	3.10	336.85	
Sez 18	Sez19	Sez 18	A1	108.66	7.00	3.50	380.31	665.64
368.00	375.00	Sez19	A1	157.03	7.00	3.50	549.61	
Sez19	Sez20	Sez19	A1	157.03	10.00	5.00	785.15	929.92
375.00	385.00	Sez20	A1	147.12	10.00	5.00	735.60	
Sez20	Sez21	Sez20	A1	147.12	10.00	5.00	735.60	1520.75
385.00	395.00	Sez21	A1	138.13	10.00	5.00	690.65	
Sez21	Sez22	Sez21	A1	138.13	10.00	5.00	690.65	1426.25
395.00	405.00	Sez22	A1	108.28	10.00	5.00	541.40	
Sez22	23	Sez22	A1	108.28	9.00	4.50	487.26	1232.05
405.00	414.00	23	A1	56.01	9.00	4.50	252.04	
23	Sez24	23	A1	56.01	11.00	5.50	308.06	739.30
								308.06
Il Direttore dei Lavori		L'Impresa			TOTALE ARTICOLO		10922.86	

2.d - Calcolo aree e volumi sterro e riporto tracciato 2

		COMPUTO DEI VOLUMI				Foglio n. 8		
Riporto								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	AREA	DISTANZA SEZIONI m	DISTANZA DI CALCOLO m	VOLUME PARZIALE mc	VOLUME TOTALE mc
Sez1 0.00	Sez2 30.00	Sez1 Sez2	B1 B1	11.67 8.64	30.00 30.00	15.00 15.00	175.05 129.60	304.65
Sez2 30.00	Sez3 60.00	Sez2 Sez3	B1 B1	8.64 17.57	30.00 30.00	15.00 15.00	129.60 263.55	393.15
Sez3 60.00	Sez4 79.00	Sez3 Sez4	B1 B1	17.57 14.12	19.00 19.00	9.50 9.50	166.91 134.14	301.05
Sez4	Sez5	Sez4	B1	14.12	20.00	10.00	141.20	141.20
Sez5	Sez6	Sez6	B1	0.86	23.96	11.98	10.30	10.30
Sez6 122.96	Sez7 146.92	Sez6 Sez7	B1 B1	0.86 3.21	23.96 23.96	11.98 11.98	10.30 38.46	48.76
Sez7 146.92	Sez8 180.00	Sez7 Sez8	B1 B1	3.21 13.34	33.08 33.08	16.54 16.54	53.09 220.64	273.73
Sez8 180.00	Sez9 210.00	Sez8 Sez9	B1 B1	13.34 4.95	30.00 30.00	15.00 15.00	200.10 74.25	274.35
Sez9 210.00	Sez10 240.00	Sez9 Sez10	B1 B1	4.95 0.93	30.00 30.00	15.00 15.00	74.25 13.95	88.20
Sez10	Sez11	Sez10	B1	0.93	28.57	14.28	13.28	13.28
Sez15	Sez16	Sez16	B1	112.48	10.00	5.00	562.40	562.40
Sez16 355.00	Sez17 361.80	Sez16 Sez17	B1 B1	112.48 106.75	6.80 6.80	3.40 3.40	382.43 362.95	745.38
Sez17 361.80	Sez 18 368.00	Sez17 Sez 18	B1 B1	106.75 107.11	6.20 6.20	3.10 3.10	330.93 332.04	662.97
Sez 18 368.00	Sez19 375.00	Sez 18 Sez19	B1 B1	107.11 97.16	7.00 7.00	3.50 3.50	374.88 340.06	714.94
Sez19 375.00	Sez20 385.00	Sez19 Sez20	B1 B1	97.16 81.00	10.00 10.00	5.00 5.00	485.80 405.00	890.80
Sez20 385.00	Sez21 395.00	Sez20 Sez21	B1 B1	81.00 63.53	10.00 10.00	5.00 5.00	405.00 317.65	722.65
Sez21 395.00	Sez22 405.00	Sez21 Sez22	B1 B1	63.53 62.62	10.00 10.00	5.00 5.00	317.65 313.10	630.75
Sez22 405.00	23 414.00	Sez22 23	B1 B1	62.62 67.88	9.00 9.00	4.50 4.50	281.79 305.46	587.25
23	Sez24	23	B1	67.88	11.00	5.50	373.34	373.34
Il Direttore dei Lavori			L'Impresa		TOTALE ARTICOLO			7739.15

COMPUTO DEI VOLUMI		Foglio n. 9	
Volume dalla sezione P1 alla sezione Sez28			
ARTICOLO			VOLUME
A	Sterro	mc	10922.86
B	Riporto	mc	7739.15