



REGIONE BASILICATA



PROVINCIA DI MATERA



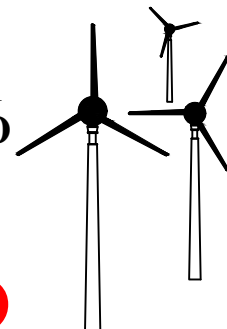
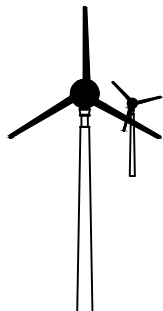
COMUNE DI SALANDRA



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:



enerplus s.r.l.
Via Orefici, 18
85055 Picerno (PZ)

tel. 0971 991428
enerplus@tiscali.it
P.lva 01679060762

PROGETTISTI:



PD

PROGETTO DEFINITIVO

ELABORATO:

CALCOLO VOLUMI STERRO E RIPORTO TRACCIATO 4

Tavola:

SAL-PDEF-TAV-005d

Filename:

Data 1° emissione:

Redatto:

Verificato:

Approvato:

Scala:

Protocollo:

n° revisione

1
2
3
4

4.d - Calcolo aree e volumi sterro e riporto tracciato 4

		CALCOLO DELLE AREE	Foglio n. 1		
Sterro					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
P1 0.00	A1	$(-1.55--4.30) \times (509.68+509.22) / 2$ $(-0.62--1.55) \times (509.22+509.68) / 2$ $(-4.30--0.62) \times (509.22+509.22) / 2$	1400.99 473.79 -1873.93	0.85	
P2 0.00	A1	$(-29.24--31.12) \times (509.41+509.22) / 2$ $(-28.79--29.24) \times (509.39+509.41) / 2$ $(-27.46--28.79) \times (509.57+509.39) / 2$ $(-24.42--27.46) \times (510.01+509.57) / 2$ $(-21.00--24.42) \times (510.22+510.01) / 2$ $(-19.32--21.00) \times (510.04+510.22) / 2$ $(-18.81--19.32) \times (509.99+510.04) / 2$ $(-16.89--18.81) \times (510.84+509.99) / 2$ $(-14.90--16.89) \times (510.54+510.84) / 2$ $(-12.52--14.90) \times (510.40+510.54) / 2$ $(-7.15--12.52) \times (510.39+510.40) / 2$ $(-2.37--7.15) \times (510.17+510.39) / 2$ $(-2.11--2.37) \times (510.22+510.17) / 2$ $(-0.43--2.11) \times (509.98+510.22) / 2$ $(2.24--0.43) \times (509.85+509.98) / 2$ $(5.98-2.24) \times (509.37+509.85) / 2$ $(6.70-5.98) \times (509.22+509.37) / 2$ $(0.00-6.70) \times (509.22+509.22) / 2$ $(-31.12-0.00) \times (509.22+509.22) / 2$	957.51 229.23 677.61 1549.76 1744.59 857.02 260.11 980.00 1016.27 1214.92 2740.82 2439.14 132.65 856.97 1361.47 1905.94 366.69 -3411.77 -15846.93		
P3 0.00	A1	$(-44.94--45.80) \times (512.84+512.66) / 2$ $(-44.66--44.94) \times (512.85+512.84) / 2$ $(-34.19--44.66) \times (512.89+512.85) / 2$ $(-31.40--34.19) \times (512.91+512.89) / 2$ $(-31.27--31.40) \times (512.91+512.91) / 2$ $(-30.96--31.27) \times (512.90+512.91) / 2$ $(-17.78--30.96) \times (512.69+512.90) / 2$ $(-14.30--17.78) \times (512.59+512.69) / 2$ $(-3.97--14.30) \times (512.35+512.59) / 2$ $(1.59--3.97) \times (512.19+512.35) / 2$ $(9.25-1.59) \times (512.10+512.19) / 2$ $(16.65-9.25) \times (512.05+512.10) / 2$ $(20.29-16.65) \times (512.01+512.05) / 2$ $(31.98-20.29) \times (511.94+512.01) / 2$ $(32.64-31.98) \times (511.90+511.94) / 2$ $(33.25-32.64) \times (511.90+511.90) / 2$ $(41.92-33.25) \times (511.67+511.90) / 2$ $(46.17-41.92) \times (511.52+511.67) / 2$ $(42.68-46.17) \times (509.22+511.52) / 2$ $(0.00-42.68) \times (509.22+509.22) / 2$ $(-40.58-0.00) \times (509.22+509.22) / 2$ $(-45.80--40.58) \times (512.66+509.22) / 2$	440.96 143.60 5369.75 1430.99 66.68 159.00 6758.64 1783.99 5293.82 2848.22 3923.03 3789.35 1863.79 5984.99 337.87 312.26 4437.18 2174.28 -1781.19 -21733.51 -20664.15 -2667.11	32.00	
P4 0.00	A1	$(-48.22--51.33) \times (521.31+520.28) / 2$ $(-48.06--48.22) \times (521.16+521.31) / 2$ $(-47.46--48.06) \times (520.88+521.16) / 2$ $(-43.62--47.46) \times (519.51+520.88) / 2$ $(-41.17--43.62) \times (518.72+519.51) / 2$ $(-39.43--41.17) \times (518.50+518.72) / 2$ $(-37.23--39.43) \times (517.87+518.50) / 2$ $(-35.43--37.23) \times (517.59+517.87) / 2$ $(-32.60--35.43) \times (517.13+517.59) / 2$ $(-31.38--32.60) \times (516.70+517.13) / 2$ $(-28.32--31.38) \times (516.26+516.70) / 2$ $(-24.29--28.32) \times (515.78+516.26) / 2$ $(-22.67--24.29) \times (516.04+515.78) / 2$ $(-19.05--22.67) \times (515.56+516.04) / 2$ $(-17.82--19.05) \times (516.24+515.56) / 2$ $(-17.02--17.82) \times (515.44+516.24) / 2$ $(-11.08--17.02) \times (514.61+515.44) / 2$ $(-10.54--11.08) \times (514.44+514.61) / 2$ $(-9.68--10.54) \times (514.27+514.44) / 2$ $(-7.84--9.68) \times (514.09+514.27) / 2$ $(3.04--7.84) \times (513.89+514.09) / 2$ $(7.30-3.04) \times (513.94+513.89) / 2$ $(15.94-7.30) \times (513.92+513.94) / 2$ $(25.02-15.94) \times (514.20+513.92) / 2$ $(25.90-25.02) \times (514.24+514.20) / 2$ $(28.13-25.90) \times (514.60+514.24) / 2$ $(31.09-28.13) \times (515.26+514.60) / 2$ $(34.95-31.09) \times (515.67+515.26) / 2$ $(39.14-34.95) \times (516.60+515.67) / 2$ $(39.68-39.14) \times (516.57+516.60) / 2$ $(44.02-39.68) \times (517.25+516.57) / 2$ $(40.94-44.02) \times (515.22+517.25) / 2$ $(39.44-40.94) \times (515.22+515.22) / 2$ $(30.35-39.44) \times (509.22+515.22) / 2$ $(0.00-30.35) \times (509.22+509.22) / 2$ $(-33.06-0.00) \times (509.22+509.22) / 2$ $(-42.15--33.06) \times (515.22+509.22) / 2$ $(-43.65--42.15) \times (515.22+515.22) / 2$ $(-51.33--43.65) \times (520.28+515.22) / 2$	1619.67 83.40 312.61 1997.55 1271.83 902.38 1140.01 931.91 1464.13 630.64 1580.43 2079.56 835.77 1867.20 634.56 412.67 3059.25 277.84 442.35 946.09 5592.21 2189.28 4440.36 4667.66 452.51 1147.16 1524.19 1989.69 2162.61 278.96 2243.39 -1590.00 -772.83 -4656.08 -15454.83 -16834.81 -4656.08 -772.83 -3976.32	272.44	
P5 0.00	A1	$(9.17-4.76) \times (510.56+509.22) / 2$ $(10.27-9.17) \times (510.78+510.56) / 2$ $(12.86-10.27) \times (511.23+510.78) / 2$ $(18.83-12.86) \times (512.23+511.23) / 2$ $(19.67-18.83) \times (512.52+512.23) / 2$ $(20.82-19.67) \times (512.90+512.52) / 2$ $(21.02-20.82) \times (512.96+512.90) / 2$ $(15.35-21.02) \times (509.22+512.96) / 2$ $(4.76-15.35) \times (509.22+509.22) / 2$	2248.61 561.74 1323.50 3055.03 430.40 589.62 102.59 -2897.88 -5392.64	464.09	
P6 0.00	A1	$(-17.86--21.74) \times (512.08+512.56) / 2$ $(-17.62--17.86) \times (512.04+512.08) / 2$ $(-17.40--17.62) \times (512.01+512.04) / 2$ $(-17.28--17.40) \times (512.00+512.01) / 2$ $(-16.30--17.28) \times (511.90+512.00) / 2$ $(-7.02--16.30) \times (510.83+511.90) / 2$ $(-4.66--7.02) \times (510.61+510.83) / 2$ $(-4.02--4.66) \times (510.52+510.61) / 2$ $(0.78--4.02) \times (509.93+510.52) / 2$ $(5.94-0.78) \times (509.22+509.93) / 2$	1987.80 122.89 112.65 61.44 501.71 4745.47 1205.30 326.76 2449.08 2629.41	20.97	
A RIPORTARE mq			14142.51		

4.d - Calcolo aree e volumi sterro e riporto tracciato 4

		CALCOLO DELLE AREE	Foglio n. 2		
Sterro					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq			14142.51		
Sez1 0.00	A1	$(0.00-5.94) \times (509.22+509.22) / 2$ $(-16.68-0.00) \times (509.22+509.22) / 2$ $(-21.74--16.68) \times (512.56+509.22) / 2$ $(-2.02--4.51) \times (417.23+417.77) / 2$ $(-1.14--2.02) \times (417.02+417.23) / 2$ $(0.15--1.14) \times (417.00+417.02) / 2$ $(3.37-0.15) \times (417.01+417.00) / 2$ $(3.25-3.37) \times (416.93+417.01) / 2$ $(0.00-3.25) \times (416.96+416.93) / 2$ $(-3.25-0.00) \times (416.93+416.96) / 2$ $(-4.51--3.25) \times (417.77+416.93) / 2$	-3024.77 -8493.79 -2585.10 1039.57 367.07 537.94 1342.76 -50.04 -1355.07 -1355.07 -525.86	38.85	
Sez2 30.00	A1	$(-3.02--5.27) \times (417.11+417.61) / 2$ $(-1.62--3.02) \times (416.62+417.11) / 2$ $(-0.69--1.62) \times (416.60+416.62) / 2$ $(2.75--0.69) \times (416.49+416.60) / 2$ $(3.41-2.75) \times (416.38+416.49) / 2$ $(3.25-3.41) \times (416.28+416.38) / 2$ $(0.00-3.25) \times (416.31+416.28) / 2$ $(-3.25-0.00) \times (416.28+416.31) / 2$ $(-5.27--3.25) \times (417.61+416.28) / 2$	939.06 583.61 387.45 1432.91 274.85 -66.61 -1352.96 -1352.96 -842.23	1.30	
Sez3 60.00	A1	$(-6.60--7.00) \times (419.07+419.14) / 2$ $(-1.08--6.60) \times (417.33+419.07) / 2$ $(1.04--1.08) \times (416.69+417.33) / 2$ $(0.00-1.04) \times (416.69+416.69) / 2$ $(-3.25-0.00) \times (416.67+416.69) / 2$ $(-7.00--3.25) \times (419.14+416.67) / 2$	167.64 2308.46 884.06 -433.36 -1354.21 -1567.14	3.12	
Sez4 78.00	A1	$(-2.25--5.74) \times (419.43+419.89) / 2$ $(2.45--2.25) \times (418.25+419.43) / 2$ $(0.00-2.45) \times (418.27+418.25) / 2$ $(-3.25-0.00) \times (418.24+418.27) / 2$ $(-5.74--3.25) \times (419.89+418.24) / 2$	1464.61 1968.55 -1024.74 -1359.33 -1043.47	5.45	
Sez5 97.76	A1	$(0.57--3.65) \times (421.35+421.59) / 2$ $(0.00-0.57) \times (421.36+421.35) / 2$ $(-3.25-0.00) \times (421.33+421.36) / 2$ $(-3.65--3.25) \times (421.59+421.33) / 2$	1778.60 -240.17 -1369.37 -168.58	5.62	
Sez10 223.00	A1	$(-6.08--7.60) \times (445.74+445.50) / 2$ $(-3.84--6.08) \times (445.85+445.74) / 2$ $(-1.21--3.84) \times (446.00+445.85) / 2$ $(2.95--1.21) \times (446.22+446.00) / 2$ $(6.39-2.95) \times (446.03+446.22) / 2$ $(8.29-6.39) \times (445.95+446.03) / 2$ $(3.25-8.29) \times (442.62+445.95) / 2$ $(0.00-3.25) \times (442.65+442.62) / 2$ $(-3.25-0.00) \times (442.62+442.65) / 2$ $(-7.60--3.25) \times (445.50+442.62) / 2$	677.34 998.58 1172.78 1855.82 1534.67 847.38 -2239.20 -1438.56 -1438.56 -1931.66	0.48	
Sez11 248.95	A1	$(-4.68--7.13) \times (449.87+449.60) / 2$ $(-4.27--4.68) \times (449.92+449.87) / 2$ $(3.66--4.27) \times (451.09+449.92) / 2$ $(6.92-3.66) \times (451.59+451.09) / 2$ $(7.98-6.92) \times (451.76+451.59) / 2$ $(11.02-7.98) \times (452.16+451.76) / 2$ $(3.25-11.02) \times (447.04+452.16) / 2$ $(0.00-3.25) \times (447.06+447.04) / 2$ $(-3.25-0.00) \times (447.04+447.06) / 2$ $(-7.13--3.25) \times (449.60+447.04) / 2$	1101.85 184.46 3572.50 1471.37 478.78 1373.96 -3493.39 -1452.91 -1452.91 -1739.48	38.59	
Sez12 270.00	A1	$(1.49--5.47) \times (453.12+452.08) / 2$ $(2.42-1.49) \times (453.27+453.12) / 2$ $(4.70-2.42) \times (453.67+453.27) / 2$ $(6.66-4.70) \times (454.03+453.67) / 2$ $(6.84-6.66) \times (454.06+454.03) / 2$ $(8.99-6.84) \times (454.40+454.06) / 2$ $(3.25-8.99) \times (450.61+454.40) / 2$ $(0.00-3.25) \times (450.64+450.61) / 2$ $(-3.25-0.00) \times (450.61+450.64) / 2$ $(-5.47--3.25) \times (452.08+450.61) / 2$	3150.10 421.47 1033.91 889.55 81.73 976.59 -2597.38 -1464.53 -1464.53 -1001.99	24.92	
Sez13 300.00	A1	$(-3.45--4.95) \times (457.14+456.83) / 2$ $(-2.09--3.45) \times (457.43+457.14) / 2$ $(-1.35--2.09) \times (457.59+457.43) / 2$ $(-1.20--1.35) \times (457.62+457.59) / 2$ $(2.92--1.20) \times (458.40+457.62) / 2$ $(4.67-2.92) \times (458.73+458.40) / 2$ $(5.18-4.67) \times (458.83+458.73) / 2$ $(8.24-5.18) \times (459.29+458.83) / 2$ $(8.77-8.24) \times (459.36+459.29) / 2$ $(3.25-8.77) \times (455.71+459.36) / 2$ $(0.00-3.25) \times (455.74+455.71) / 2$ $(-3.25-0.00) \times (455.71+455.74) / 2$ $(-4.95--3.25) \times (456.83+455.71) / 2$	685.48 621.91 338.56 68.64 1887.00 802.49 233.98 1404.72 243.44 -2525.59 -1481.11 -1481.11 -775.66	22.75	
Sez14 330.00	A1	$(-0.30--2.47) \times (461.21+460.82) / 2$ $(2.56--0.30) \times (461.73+461.21) / 2$ $(5.43-2.56) \times (462.25+461.73) / 2$ $(3.25-5.43) \times (460.81+462.25) / 2$ $(0.00-3.25) \times (460.84+460.81) / 2$ $(-2.47-0.00) \times (460.82+460.84) / 2$	1000.40 1319.80 1325.91 -1006.14 -1497.68 -1138.25	4.04	
Sez17 420.00	A1	$(3.62-0.92) \times (476.36+476.13) / 2$ $(3.25-3.62) \times (476.11+476.36) / 2$ $(0.92-3.25) \times (476.13+476.11) / 2$	1285.86 -176.21 -1109.36	0.29	
Sez18 450.00	A1	$(3.83-0.15) \times (481.59+481.24) / 2$ $(3.25-3.83) \times (481.21+481.59) / 2$ $(0.15-3.25) \times (481.24+481.21) / 2$	1771.61 -279.21 -1491.80	0.60	
Sez19 480.00	A1	$(-5.44--6.83) \times (488.93+488.68) / 2$ $(-5.31--5.44) \times (488.95+488.93) / 2$	679.44 63.56		
A RIPORTARE mq			743.00		

4.d - Calcolo aree e volumi sterro e riporto tracciato 4

		CALCOLO DELLE AREE	Foglio n. 3		
Sterro					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq			743.00		
Sez20 501.00	A1	$(-5.25--5.31) \times (488.95+488.95) / 2$ $(-4.47--5.25) \times (488.82+488.95) / 2$ $(4.20--4.47) \times (486.94+488.82) / 2$ $(3.25-4.20) \times (486.31+486.94) / 2$ $(0.00-3.25) \times (486.34+486.31) / 2$ $(-3.25-0.00) \times (486.31+486.34) / 2$ $(-6.83--3.25) \times (488.68+486.31) / 2$	29.34 381.33 4229.92 -462.29 -1580.56 -1580.56 -1745.23	14.95	
Sez21 522.57	A1	$(-2.90--5.23) \times (491.12+490.85) / 2$ $(-2.79--2.90) \times (491.13+491.12) / 2$ $(-1.22--2.79) \times (490.71+491.13) / 2$ $(2.22--1.22) \times (489.55+490.71) / 2$ $(0.00-2.22) \times (489.57+489.55) / 2$ $(-3.25-0.00) \times (489.55+489.57) / 2$ $(-5.23--3.25) \times (490.85+489.55) / 2$	1144.00 54.02 770.74 1686.05 -1086.82 -1591.07 -970.60	6.32	
Sez22 551.00	A1	$(2.77--5.82) \times (490.98+492.33) / 2$ $(3.45-2.77) \times (490.77+490.98) / 2$ $(3.25-3.45) \times (490.63+490.77) / 2$ $(0.00-3.25) \times (490.66+490.63) / 2$ $(-3.25-0.00) \times (490.63+490.66) / 2$ $(-5.82--3.25) \times (492.33+490.63) / 2$	4223.32 333.80 -98.14 -1594.60 -1594.60 -1263.10	6.68	
Sez27 664.00	A1	$(-4.45--7.09) \times (494.53+494.49) / 2$ $(-4.24--4.45) \times (494.17+494.53) / 2$ $(-2.82--4.24) \times (493.58+494.17) / 2$ $(-1.27--2.82) \times (493.03+493.58) / 2$ $(1.45--1.27) \times (491.97+493.03) / 2$ $(0.00-1.45) \times (491.98+491.97) / 2$ $(-3.25-0.00) \times (491.95+491.98) / 2$ $(-7.09--3.25) \times (494.49+491.95) / 2$	1305.51 103.81 701.30 764.62 1339.60 -713.36 -1598.89 -1893.96	8.63	
Sez28 674.00	A1	$(-0.90--1.52) \times (509.55+509.22) / 2$ $(4.07--0.90) \times (511.77+509.55) / 2$ $(4.32-4.07) \times (511.35+511.77) / 2$ $(5.09-4.32) \times (511.76+511.35) / 2$ $(6.37-5.09) \times (511.86+511.76) / 2$ $(11.87-6.37) \times (512.45+511.86) / 2$ $(12.13-11.87) \times (512.48+512.45) / 2$ $(12.71-12.13) \times (512.52+512.48) / 2$ $(17.25-12.71) \times (512.89+512.52) / 2$ $(20.65-17.25) \times (513.52+512.89) / 2$ $(24.77-20.65) \times (514.15+513.52) / 2$ $(17.30-24.77) \times (509.22+514.15) / 2$ $(-0.00-17.30) \times (509.22+509.22) / 2$ $(-1.52--0.00) \times (509.22+509.22) / 2$	315.82 2537.98 127.89 393.90 655.12 2816.85 133.24 297.25 2327.68 1744.90 2117.00 -3822.29 -8809.51 -774.01	61.82	
Sez29 684.00	A1	$(-5.32--6.11) \times (509.58+509.22) / 2$ $(-3.25--5.32) \times (510.26+509.58) / 2$ $(-0.69--3.25) \times (511.46+510.26) / 2$ $(-0.54--0.69) \times (511.20+511.46) / 2$ $(-0.49--0.54) \times (511.22+511.20) / 2$ $(-0.42--0.49) \times (511.23+511.22) / 2$ $(-0.05--0.42) \times (511.27+511.23) / 2$ $(6.00--0.05) \times (511.77+511.27) / 2$ $(8.02-6.00) \times (511.98+511.77) / 2$ $(13.29-8.02) \times (512.56+511.98) / 2$ $(19.40-13.29) \times (513.48+512.56) / 2$ $(21.04-19.40) \times (513.73+513.48) / 2$ $(26.38-21.04) \times (514.43+513.73) / 2$ $(26.63-26.38) \times (514.49+514.43) / 2$ $(26.75-26.63) \times (514.56+514.49) / 2$ $(31.82-26.75) \times (516.26+514.56) / 2$ $(34.56-31.82) \times (517.37+516.26) / 2$ $(36.24-34.56) \times (518.23+517.37) / 2$ $(37.07-36.24) \times (518.68+518.23) / 2$ $(37.55-37.07) \times (519.05+518.68) / 2$ $(41.31-37.55) \times (521.48+519.05) / 2$ $(44.74-41.31) \times (523.82+521.48) / 2$ $(45.40-44.74) \times (524.28+523.82) / 2$ $(45.62-45.40) \times (524.34+524.28) / 2$ $(46.36-45.62) \times (524.33+524.34) / 2$ $(55.53-46.36) \times (522.95+524.33) / 2$ $(52.91-55.53) \times (521.22+522.95) / 2$ $(51.41-52.91) \times (521.22+521.22) / 2$ $(42.31-51.41) \times (515.22+521.22) / 2$ $(40.81-42.31) \times (515.22+515.22) / 2$ $(31.72-40.81) \times (509.22+515.22) / 2$ $(0.00-31.72) \times (509.22+509.22) / 2$ $(-6.11-0.00) \times (509.22+509.22) / 2$	402.43 1055.53 1307.80 76.70 25.56 35.79 189.16 3094.70 1033.99 2699.66 3134.55 842.31 2745.19 128.62 61.74 2613.13 1416.07 869.90 430.32 249.06 1956.20 1792.69 345.87 115.35 388.01 4801.78 -1367.86 -781.83 -4715.80 -772.83 -4656.08 -16152.46 -3111.33	253.92	
A RIPORTARE mq			29461.34		

4.d - Calcolo aree e volumi sterro e riporto tracciato 4

		CALCOLO DELLE AREE	Foglio n. 4				
Sterro							
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE		
RIPORTO mq			29461.34				
Sez30 694.04	A1	(47.58-47.56) x (523.88+523.88) / 2	10.48				
		(47.73-47.58) x (523.91+523.88) / 2	78.58				
		(48.64-47.73) x (523.83+523.91) / 2	476.72				
		(53.11-48.64) x (522.63+523.83) / 2	2338.84				
		(50.98-53.11) x (521.22+522.63) / 2	-1111.70				
		(49.48-50.98) x (521.22+521.22) / 2	-781.83				
		(40.38-49.48) x (515.22+521.22) / 2	-4715.80				
		(38.88-40.38) x (515.22+515.22) / 2	-772.83				
		(29.79-38.88) x (509.22+515.22) / 2	-4656.08				
		(0.00-29.79) x (509.22+509.22) / 2	-15169.66				
		(-9.70-0.00) x (509.22+509.22) / 2	-4939.43				
		(-9.93--12.48) x (510.42+509.22) / 2	1300.04	218.63			
		(-9.04--9.93) x (510.31+510.42) / 2	454.22				
		(-7.07--9.04) x (510.48+510.31) / 2	1005.48				
		(-6.38--7.07) x (510.48+510.48) / 2	352.23				
		(-1.64--6.38) x (510.86+510.48) / 2	2420.58				
		(-0.35--1.64) x (510.98+510.86) / 2	659.09				
(4.06--0.35) x (511.40+510.98) / 2	2254.35						
(8.56-4.06) x (511.83+511.40) / 2	2302.27						
(9.95-8.56) x (512.01+511.83) / 2	711.57						
(18.76-9.95) x (513.13+512.01) / 2	4515.74						
(22.80-18.76) x (513.47+513.13) / 2	2073.73						
(27.00-22.80) x (513.88+513.47) / 2	2157.43						
(29.77-27.00) x (514.10+513.88) / 2	1423.75						
(34.15-29.77) x (515.74+514.10) / 2	2255.35						
(36.83-34.15) x (517.04+515.74) / 2	1383.93						
(38.04-36.83) x (517.34+517.04) / 2	625.80						
(46.56-38.04) x (521.07+517.34) / 2	4423.63						
(46.85-46.56) x (521.25+521.07) / 2	151.14						
(46.93-46.85) x (521.30+521.25) / 2	41.70						
(47.00-46.93) x (521.34+521.30) / 2	36.49						
(58.97-47.00) x (527.22+521.34) / 2	6275.63						
(49.88-58.97) x (521.22+527.22) / 2	-4765.16						
(48.38-49.88) x (521.22+521.22) / 2	-781.83						
(39.28-48.38) x (515.22+521.22) / 2	-4715.80						
(37.78-39.28) x (515.22+515.22) / 2	-772.83						
(28.69-37.78) x (509.22+515.22) / 2	-4656.08						
(0.00-28.69) x (509.22+509.22) / 2	-14609.52						
(-12.48-0.00) x (509.22+509.22) / 2	-6355.07						
Sez31 704.00	A1	(-11.73--15.67) x (509.69+510.19) / 2	2009.16	167.86			
		(-11.64--11.73) x (509.71+509.69) / 2	45.87				
		(-10.29--11.64) x (509.86+509.71) / 2	688.21				
		(-9.54--10.29) x (509.81+509.86) / 2	382.38				
		(-2.72--9.54) x (510.53+509.81) / 2	3479.36				
		(-2.20--2.72) x (510.58+510.53) / 2	265.49				
		(-1.84--2.20) x (510.62+510.58) / 2	183.82				
		(6.78--1.84) x (511.55+510.62) / 2	4405.55				
		(12.06-6.78) x (512.19+511.55) / 2	2702.67				
		(17.32-12.06) x (512.85+512.19) / 2	2695.86				
		(22.89-17.32) x (513.39+512.85) / 2	2858.08				
		(24.99-22.89) x (513.63+513.39) / 2	1078.37				
		(27.41-24.99) x (513.87+513.63) / 2	1243.28				
		(31.26-27.41) x (514.17+513.87) / 2	1978.98				
		(33.32-31.26) x (514.65+514.17) / 2	1059.68				
		(34.96-33.32) x (515.16+514.65) / 2	844.44				
		(35.52-34.96) x (515.48+515.16) / 2	288.58				
		(36.95-35.52) x (516.23+515.48) / 2	737.67				
		(38.38-36.95) x (517.53+516.23) / 2	739.14				
		(43.87-38.38) x (519.54+517.53) / 2	2846.76				
		(49.04-43.87) x (522.04+519.54) / 2	2692.48				
		(38.70-49.04) x (515.22+522.04) / 2	-5362.63				
		(37.20-38.70) x (515.22+515.22) / 2	-772.83				
		(28.11-37.20) x (509.22+515.22) / 2	-4656.08				
		(0.00-28.11) x (509.22+509.22) / 2	-14314.17				
		(-14.19-0.00) x (509.22+509.22) / 2	-7225.83				
		(-15.67--14.19) x (510.19+509.22) / 2	-754.36				
		Sez32 714.00	A1	(-5.28--7.06) x (509.64+509.22) / 2	906.79	139.93	
				(3.03--5.28) x (510.96+509.64) / 2	4240.59		
				(4.43-3.03) x (511.21+510.96) / 2	715.52		
				(14.34-4.43) x (512.48+511.21) / 2	5072.38		
				(14.37-14.34) x (512.48+512.48) / 2	15.37		
				(14.38-14.37) x (512.48+512.48) / 2	5.12		
(23.11-14.38) x (513.49+512.48) / 2	4478.36						
(27.12-23.11) x (513.88+513.49) / 2	2059.88						
(30.32-27.12) x (514.27+513.88) / 2	1645.04						
(32.29-30.32) x (514.61+514.27) / 2	1013.45						
(32.37-32.29) x (514.72+514.61) / 2	41.17						
(32.50-32.37) x (514.77+514.72) / 2	66.92						
(39.22-32.50) x (519.32+514.77) / 2	3474.54						
(40.97-39.22) x (519.53+519.32) / 2	908.99						
(46.45-40.97) x (520.72+519.53) / 2	2850.29						
(38.11-46.45) x (515.22+520.72) / 2	-4319.87						
(36.61-38.11) x (515.22+515.22) / 2	-772.83						
(27.52-36.61) x (509.22+515.22) / 2	-4656.08						
(-0.00-27.52) x (509.22+509.22) / 2	-14013.73						
(-7.06--0.00) x (509.22+509.22) / 2	-3595.09						
Sez33 724.00	A1			(-3.52--4.79) x (509.50+509.22) / 2	646.89	136.81	
				(-0.09--3.52) x (510.26+509.50) / 2	1748.89		
				(1.82--0.09) x (510.57+510.26) / 2	974.89		
				(7.39-1.82) x (511.59+510.57) / 2	2846.72		
				(11.51-7.39) x (512.12+511.59) / 2	2108.84		
				(14.70-11.51) x (512.50+512.12) / 2	1634.27		
				(22.23-14.70) x (513.65+512.50) / 2	3863.45		
		(25.49-22.23) x (514.06+513.65) / 2	1675.17				
		(26.54-25.49) x (514.19+514.06) / 2	539.83				
		(26.77-26.54) x (514.23+514.19) / 2	118.27				
		(32.22-26.77) x (521.34+514.23) / 2	2821.93				
		(32.58-32.22) x (521.71+521.34) / 2	187.75				
		(32.68-32.58) x (521.76+521.71) / 2	52.17				
		(33.90-32.68) x (521.08+521.76) / 2	636.13				
		(42.94-33.90) x (521.53+521.08) / 2	4712.60				
		A RIPORTARE mq			24567.80		

4.d - Calcolo aree e volumi sterro e riporto tracciato 4

		CALCOLO DELLE AREE	Foglio n. 5		
Sterro					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq			24567.80		
Sez34 727.55	A1	(44.11-42.94) x (521.55+521.53) / 2	610.20	190.14	
		(44.56-44.11) x (521.55+521.55) / 2	234.70		
		(47.17-44.56) x (521.58+521.55) / 2	1361.28		
		(37.53-47.17) x (515.22+521.58) / 2	-4997.38		
		(36.03-37.53) x (515.22+515.22) / 2	-772.83		
		(26.94-36.03) x (509.22+515.22) / 2	-4656.08		
		(0.00-26.94) x (509.22+509.22) / 2	-13718.39		
		(-4.79-0.00) x (509.22+509.22) / 2	-2439.16		
		(-2.78--3.69) x (509.50+509.22) / 2	463.52		
		(-0.09--2.78) x (510.10+509.50) / 2	1371.36		
		(0.93--0.09) x (510.26+510.10) / 2	520.38		
		(10.29-0.93) x (511.97+510.26) / 2	4784.04		
		(10.49-10.29) x (512.00+511.97) / 2	102.40		
		(10.65-10.49) x (512.01+512.00) / 2	81.92		
		(20.10-10.65) x (513.46+512.01) / 2	4845.35		
		(22.06-20.10) x (513.76+513.46) / 2	1006.68		
		(22.10-22.06) x (513.77+513.76) / 2	20.55		
		(24.65-22.10) x (514.23+513.77) / 2	1310.70		
		(28.99-24.65) x (515.78+514.23) / 2	2235.12		
		(29.54-28.99) x (516.35+515.78) / 2	283.84		
		(29.63-29.54) x (516.39+516.35) / 2	46.47		
		(33.24-29.63) x (520.89+516.39) / 2	1872.29		
		(41.16-33.24) x (521.28+520.89) / 2	4126.99		
		(44.64-41.16) x (521.70+521.28) / 2	1814.79		
		(45.05-44.64) x (521.64+521.70) / 2	213.88		
		(47.08-45.05) x (521.66+521.64) / 2	1058.95		
		(37.32-47.08) x (515.22+521.66) / 2	-5059.97		
		(35.82-37.32) x (515.22+515.22) / 2	-772.83		
		(26.73-35.82) x (509.22+515.22) / 2	-4656.08		
		(0.00-26.73) x (509.22+509.22) / 2	-13611.45		
		(-3.69-0.00) x (509.22+509.22) / 2	-1879.02	179.88	
Il Direttore dei Lavori		L'Impresa			

4.d - Calcolo aree e volumi sterro e riporto tracciato 4

		CALCOLO DELLE AREE			Foglio n. 6
Riporto					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
P1 0.00	B1	(-20.79--23.17)x(509.22+507.65)/2 (-4.30--20.79)x(509.22+509.22)/2 (-8.52--4.30)x(508.52+509.22)/2 (-12.19--8.52)x(508.74+508.52)/2 (-12.58--12.19)x(508.28+508.74)/2 (-13.76--12.58)x(507.93+508.28)/2 (-17.16--13.76)x(507.49+507.93)/2 (-23.18--17.16)x(507.65+507.49)/2 (-23.17--23.18)x(507.65+507.65)/2	1210.08 8397.04 -2147.43 -1866.67 -198.32 -599.56 -1726.21 -3055.57 5.08		
P1 0.00	B2	(0.00--0.62)x(509.22+509.22)/2 (21.55-0.00)x(509.22+509.22)/2 (25.44-21.55)x(506.65+509.22)/2 (25.41-25.44)x(506.66+506.65)/2 (22.01-25.41)x(507.18+506.66)/2 (20.29-22.01)x(507.79+507.18)/2 (20.00-20.29)x(507.97+507.79)/2 (17.93-20.00)x(508.90+507.97)/2 (8.26-17.93)x(508.73+508.90)/2 (2.90-8.26)x(508.67+508.73)/2 (0.68-2.90)x(508.58+508.67)/2 (-0.62-0.68)x(509.22+508.58)/2	315.72 10973.69 1975.87 -15.20 -1723.53 -872.87 -147.29 -1052.46 -4920.24 -2726.63 -1129.15 -661.57	18.44	
P2 0.00	B1	(-47.90--51.10)x(509.22+507.11)/2 (-31.12--47.90)x(509.22+509.22)/2 (-35.98--31.12)x(508.74+509.22)/2 (-42.34--35.98)x(508.95+508.74)/2 (-46.21--42.34)x(508.54+508.95)/2 (-51.10--46.21)x(507.11+508.54)/2	1626.13 8544.71 -2473.64 -3236.25 -1968.84 -2483.26	16.34	
P2 0.00	B2	(33.96-6.70)x(509.22+509.22)/2 (39.09-33.96)x(505.84+509.22)/2 (36.42-39.09)x(506.16+505.84)/2 (33.20-36.42)x(506.42+506.16)/2 (28.87-33.20)x(506.73+506.42)/2 (25.30-28.87)x(507.17+506.73)/2 (18.60-25.30)x(508.04+507.17)/2 (13.27-18.60)x(508.53+508.04)/2 (13.04-13.27)x(508.54+508.53)/2 (12.84-13.04)x(508.57+508.54)/2 (7.87-12.84)x(508.99+508.57)/2 (7.86-7.87)x(508.98+508.99)/2 (6.70-7.86)x(509.22+508.98)/2	13881.34 2603.63 -1351.02 -1630.25 -2193.47 -1809.81 -3400.95 -2709.16 -116.96 -101.71 -2528.64 -5.09 -590.56	8.85	
P5 0.00	B1	(-4.65--13.18)x(509.22+503.59)/2 (0.00--4.65)x(509.22+509.22)/2 (4.76-0.00)x(509.22+509.22)/2 (-6.20-4.76)x(505.88+509.22)/2 (-12.26--6.20)x(504.01+505.88)/2 (-13.18--12.26)x(503.59+504.01)/2	4319.63 2367.87 2423.89 -5562.75 -3059.97 -463.50	47.35	
P6 0.00	B1	(14.93-5.94)x(509.22+509.22)/2 (17.61-14.93)x(507.44+509.22)/2 (13.43-17.61)x(508.59+507.44)/2 (13.00-13.43)x(508.59+508.59)/2 (11.25-13.00)x(508.58+508.59)/2 (9.52-11.25)x(508.72+508.58)/2 (9.50-9.52)x(508.75+508.72)/2 (7.15-9.50)x(509.05+508.75)/2 (5.94-7.15)x(509.22+509.05)/2	4577.89 1362.32 -2123.50 -218.69 -890.02 -879.96 -10.17 -1195.91 -616.05	25.17	
Sez3 60.00	B1	(3.25-1.04)x(416.67+416.69)/2 (3.71-3.25)x(416.36+416.67)/2 (2.45-3.71)x(416.41+416.36)/2 (1.91-2.45)x(416.42+416.41)/2 (1.06-1.91)x(416.68+416.42)/2 (1.04-1.06)x(416.69+416.68)/2	920.86 191.60 -524.65 -224.86 -354.07 -8.33	5.91	
Sez4 78.00	B1	(3.25-2.45)x(418.24+418.25)/2 (3.60-3.25)x(418.01+418.24)/2 (3.30-3.60)x(418.03+418.01)/2 (3.16-3.30)x(418.07+418.03)/2 (2.45-3.16)x(418.25+418.07)/2	334.60 146.34 -125.41 -58.53 -296.89	0.55	
Sez5 97.76	B1	(3.25-0.57)x(421.33+421.35)/2 (4.12-3.25)x(420.76+421.33)/2 (1.83-4.12)x(421.28+420.76)/2 (0.57-1.83)x(421.35+421.28)/2	1129.19 366.31 -964.14 -530.86	0.11	
Sez6 120.00	B1	(-3.25--5.33)x(425.11+423.74)/2 (0.00--3.25)x(425.14+425.11)/2 (3.25-0.00)x(425.11+425.14)/2 (6.18-3.25)x(423.18+425.11)/2 (1.34-6.18)x(423.43+423.18)/2 (-1.25-1.34)x(423.52+423.43)/2 (-2.40--1.25)x(423.57+423.52)/2 (-3.70--2.40)x(423.59+423.57)/2 (-5.33--3.70)x(423.74+423.59)/2	882.80 1381.66 1381.66 1242.74 -2048.80 -1096.80 -487.08 -550.65 -690.57	0.50	
Sez7 150.00	B1	(-3.25--4.69)x(430.21+429.26)/2 (0.00--3.25)x(430.24+430.21)/2 (3.25-0.00)x(430.21+430.24)/2 (6.92-3.25)x(427.79+430.21)/2 (5.36-6.92)x(428.02+427.79)/2 (1.84-5.36)x(428.53+428.02)/2 (-1.71-1.84)x(429.05+428.53)/2 (-3.81--1.71)x(429.22+429.05)/2 (-4.69--3.81)x(429.26+429.22)/2	618.82 1398.23 1398.23 1574.43 -667.53 -1507.53 -1522.20 -901.18 -377.73	14.96	
Sez8 173.36	B1	(-3.25--5.02)x(434.18+433.01)/2 (0.00--3.25)x(434.21+434.18)/2 (3.25-0.00)x(434.18+434.21)/2 (5.58-3.25)x(432.65+434.18)/2 (3.53-5.58)x(432.71+432.65)/2 (-1.83-3.53)x(432.85+432.71)/2 (-5.02--1.83)x(433.01+432.85)/2	767.46 1411.13 1411.13 1009.86 -886.99 -2319.70 -1381.05	13.54	
		A RIPORTARE mq		11.84	

4.d - Calcolo aree e volumi sterro e riporto tracciato 4

		CALCOLO DELLE AREE	Foglio n. 7		
Riporto					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq					
Sez9 198.00	B1	$(-3.25--4.16) \times (438.37+437.77) / 2$ $(0.00--3.25) \times (438.40+438.37) / 2$ $(3.25-0.00) \times (438.37+438.40) / 2$ $(3.75-3.25) \times (438.04+438.37) / 2$ $(3.24-3.75) \times (438.04+438.04) / 2$ $(0.75-3.24) \times (438.19+438.04) / 2$ $(-4.16-0.75) \times (437.77+438.19) / 2$	398.64 1424.75 1424.75 219.10 -223.40 -1090.91 -2150.48		2.45
Sez14 330.00	B1	$(-3.25--3.50) \times (460.81+460.65) / 2$ $(-2.47--3.25) \times (460.82+460.81) / 2$ $(-2.98--2.47) \times (460.73+460.82) / 2$ $(-3.50--2.98) \times (460.65+460.73) / 2$	115.18 359.44 -235.00 -239.56		0.06
Sez15 360.00	B1	$(-3.25--6.43) \times (465.91+463.82) / 2$ $(0.00--3.25) \times (465.94+465.91) / 2$ $(3.25-0.00) \times (465.91+465.94) / 2$ $(4.45-3.25) \times (465.12+465.91) / 2$ $(-0.77-4.45) \times (464.42+465.12) / 2$ $(-3.50--0.77) \times (464.16+464.42) / 2$ $(-6.43--3.50) \times (463.82+464.16) / 2$	1478.27 1514.26 1514.26 558.62 -2426.10 -1267.51 -1359.49		12.31
Sez16 390.00	B1	$(-3.25--7.19) \times (471.01+468.41) / 2$ $(0.00--3.25) \times (471.04+471.01) / 2$ $(3.25-0.00) \times (471.01+471.04) / 2$ $(5.38-3.25) \times (469.61+471.01) / 2$ $(4.70-5.38) \times (469.58+469.61) / 2$ $(0.57-4.70) \times (469.26+469.58) / 2$ $(-1.28-0.57) \times (469.03+469.26) / 2$ $(-3.65--1.28) \times (468.76+469.03) / 2$ $(-7.19--3.65) \times (468.41+468.76) / 2$	1850.66 1530.83 1530.83 1001.76 -319.32 -1938.70 -867.92 -1111.28 -1658.79		18.07
Sez17 420.00	B1	$(-3.25--3.97) \times (476.11+475.64) / 2$ $(0.00--3.25) \times (476.14+476.11) / 2$ $(0.92-0.00) \times (476.13+476.14) / 2$ $(-1.18-0.92) \times (475.96+476.13) / 2$ $(-3.97--1.18) \times (475.64+475.96) / 2$	342.63 1547.41 438.04 -999.69 -1327.48		0.91
Sez18 450.00	B1	$(-3.25--3.79) \times (481.21+480.86) / 2$ $(0.00--3.25) \times (481.24+481.21) / 2$ $(0.15-0.00) \times (481.24+481.24) / 2$ $(-3.79-0.15) \times (480.86+481.24) / 2$	259.76 1563.98 72.19 -1895.34		0.59
Sez20 501.00	B1	$(3.25-2.22) \times (489.55+489.55) / 2$ $(4.29-3.25) \times (488.86+489.55) / 2$ $(2.22-4.29) \times (489.55+488.86) / 2$	504.24 508.77 -1012.65		0.36
Sez22 551.00	B1	$(3.25-1.45) \times (491.95+491.97) / 2$ $(5.30-3.25) \times (490.60+491.95) / 2$ $(2.23-5.30) \times (491.66+490.60) / 2$ $(1.45-2.23) \times (491.97+491.66) / 2$	885.53 1007.11 -1507.77 -383.62		1.25
Sez23 579.00	B1	$(-3.25--3.43) \times (496.37+496.26) / 2$ $(0.00--3.25) \times (496.40+496.37) / 2$ $(3.25-0.00) \times (496.37+496.40) / 2$ $(4.27-3.25) \times (495.70+496.37) / 2$ $(4.04-4.27) \times (495.77+495.70) / 2$ $(-3.43-4.04) \times (496.26+495.77) / 2$	89.34 1613.25 1613.25 505.96 -114.02 -3705.23		2.55
Sez24 608.31	B1	$(-3.25--4.33) \times (501.36+500.65) / 2$ $(0.00--3.25) \times (501.38+501.36) / 2$ $(3.25-0.00) \times (501.36+501.38) / 2$ $(4.35-3.25) \times (500.63+501.36) / 2$ $(-1.11-4.35) \times (500.57+500.63) / 2$ $(-4.26--1.11) \times (500.64+500.57) / 2$ $(-4.33--4.26) \times (500.65+500.64) / 2$	541.09 1629.45 1629.45 551.09 -2733.28 -1576.91 -35.05		5.84
Sez25 636.00	B1	$(-3.25--6.23) \times (506.06+504.10) / 2$ $(0.00--3.25) \times (506.09+506.06) / 2$ $(3.25-0.00) \times (506.06+506.09) / 2$ $(4.30-3.25) \times (505.37+506.06) / 2$ $(2.13-4.30) \times (504.94+505.37) / 2$ $(-2.83-2.13) \times (504.39+504.94) / 2$ $(-3.70--2.83) \times (504.43+504.39) / 2$ $(-4.94--3.70) \times (504.17+504.43) / 2$ $(-6.23--4.94) \times (504.10+504.17) / 2$	1505.14 1644.74 1644.74 531.00 -1096.19 -2503.14 -438.84 -625.33 -650.33		11.79
Sez26 654.41	B1	$(-3.25--6.32) \times (508.84+506.81) / 2$ $(0.00--3.25) \times (508.86+508.84) / 2$ $(3.25-0.00) \times (508.84+508.86) / 2$ $(3.38-3.25) \times (508.75+508.84) / 2$ $(-4.67-3.38) \times (506.92+508.75) / 2$ $(-6.32--4.67) \times (506.81+506.92) / 2$	1559.02 1653.76 1653.76 66.14 -4088.07 -836.33		8.28
Sez27 664.00	B1	$(-8.34--11.19) \times (509.22+507.34) / 2$ $(-1.52--8.34) \times (509.22+509.22) / 2$ $(-2.20--1.52) \times (508.86+509.22) / 2$ $(-3.88--2.20) \times (508.46+508.86) / 2$ $(-6.38--3.88) \times (508.27+508.46) / 2$ $(-11.19--6.38) \times (507.34+508.27) / 2$	1448.60 3472.88 -346.15 -854.55 -1270.91 -2442.54		7.33
Sez28 674.00	B1	$(-11.29--14.93) \times (509.22+506.82) / 2$ $(-6.11--11.29) \times (509.22+509.22) / 2$ $(-8.58--6.11) \times (508.09+509.22) / 2$ $(-14.93--8.58) \times (506.82+508.09) / 2$	1849.19 2637.76 -1256.38 -3222.34		8.23
Sez29 684.00	B1	$(-12.77--16.61) \times (509.22+506.69) / 2$ $(-9.70--12.77) \times (509.22+509.22) / 2$ $(-13.94--9.70) \times (507.23+509.22) / 2$ $(-16.61--13.94) \times (506.69+507.23) / 2$	1950.55 1563.31 -2154.87 -1353.58		5.41
Sez30 694.04	B1	$(-13.61--16.42) \times (509.22+507.36) / 2$ $(-12.48--13.61) \times (509.22+509.22) / 2$ $(-16.42--12.48) \times (507.36+509.22) / 2$	1428.29 575.42 -2002.66		1.05
Sez32	B1	$(-12.05--16.85) \times (509.22+506.05) / 2$	2436.65		
A RIPORTARE mq			2436.65		

		CALCOLO DELLE AREE	Foglio n. 8		
Riporto					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq			2436.65		
714.00		$(-7.06--12.05) \times (509.22+509.22) / 2$ $(-8.81--7.06) \times (508.81+509.22) / 2$ $(-10.07--8.81) \times (508.52+508.81) / 2$ $(-16.85--10.07) \times (506.05+508.52) / 2$	2541.01 -890.78 -640.92 -3439.39	6.57	
Sez33 724.00	B1	$(-9.81--14.33) \times (509.22+506.24) / 2$ $(-4.79--9.81) \times (509.22+509.22) / 2$ $(-4.97--4.79) \times (509.18+509.22) / 2$ $(-5.96--4.97) \times (508.90+509.18) / 2$ $(-13.35--5.96) \times (506.61+508.90) / 2$ $(-14.33--13.35) \times (506.24+506.61) / 2$	2294.94 2556.28 -91.66 -503.95 -3752.31 -496.30	7.00	
Sez34 727.55	B1	$(-10.02--15.86) \times (509.22+505.37) / 2$ $(-3.69--10.02) \times (509.22+509.22) / 2$ $(-9.00--3.69) \times (507.56+509.22) / 2$ $(-14.92--9.00) \times (505.72+507.56) / 2$ $(-15.86--14.92) \times (505.37+505.72) / 2$	2962.60 3223.36 -2699.55 -2999.31 -475.21	11.89	
Il Direttore dei Lavori		L'Impresa			

4.d - Calcolo aree e volumi sterro e riporto tracciato 4

		COMPUTO DEI VOLUMI				Foglio n. 9			
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	
Sez1 0.00	Sez2 30.00	Sez1 Sez2	A1 A1	1.30 3.12	30.00 30.00	15.00 15.00	19.50 46.80		66.30
Sez2 30.00	Sez3 60.00	Sez2 Sez3	A1 A1	3.12 5.45	30.00 30.00	15.00 15.00	46.80 81.75		128.55
Sez3 60.00	Sez4 78.00	Sez3 Sez4	A1 A1	5.45 5.62	18.00 18.00	9.00 9.00	49.05 50.58		99.63
Sez4 78.00	Sez5 97.76	Sez4 Sez5	A1 A1	5.62 0.48	19.76 19.76	9.88 9.88	55.53 4.74		60.27
Sez5	Sez6	Sez5	A1	0.48	22.24	11.12	5.34		5.34
Sez9	Sez10	Sez10	A1	38.59	25.00	12.50	482.38		482.38
Sez10 223.00	Sez11 248.95	Sez10 Sez11	A1 A1	38.59 44.23	25.95 25.95	12.97 12.97	500.51 573.66		1074.17
Sez11 248.95	Sez12 270.00	Sez11 Sez12	A1 A1	44.23 24.92	21.05 21.05	10.53 10.53	465.74 262.41		728.15
Sez12 270.00	Sez13 300.00	Sez12 Sez13	A1 A1	24.92 22.75	30.00 30.00	15.00 15.00	373.80 341.25		715.05
Sez13 300.00	Sez14 330.00	Sez13 Sez14	A1 A1	22.75 4.04	30.00 30.00	15.00 15.00	341.25 60.60		401.85
Sez14	Sez15	Sez14	A1	4.04	30.00	15.00	60.60		60.60
Sez16	Sez17	Sez17	A1	0.29	30.00	15.00	4.35		4.35
Sez17 420.00	Sez18 450.00	Sez17 Sez18	A1 A1	0.29 0.60	30.00 30.00	15.00 15.00	4.35 9.00		13.35
Sez18 450.00	Sez19 480.00	Sez18 Sez19	A1 A1	0.60 14.95	30.00 30.00	15.00 15.00	9.00 224.25		233.25
Sez19 480.00	Sez20 501.00	Sez19 Sez20	A1 A1	14.95 6.32	21.00 21.00	10.50 10.50	156.97 66.36		223.33
Sez20 501.00	Sez21 522.57	Sez20 Sez21	A1 A1	6.32 6.68	21.57 21.57	10.79 10.79	68.19 72.08		140.27
Sez21 522.57	Sez22 551.00	Sez21 Sez22	A1 A1	6.68 8.63	28.43 28.43	14.21 14.21	94.92 122.63		217.55
Sez22	Sez23	Sez22	A1	8.63	28.00	14.00	120.82		120.82
Sez26	Sez27	Sez27	A1	61.82	9.59	4.80	296.74		296.74
Sez27 664.00	Sez28 674.00	Sez27 Sez28	A1 A1	61.82 253.92	10.00 10.00	5.00 5.00	309.10 1269.60		1578.70
Sez28 674.00	Sez29 684.00	Sez28 Sez29	A1 A1	253.92 218.63	10.00 10.00	5.00 5.00	1269.60 1093.15		2362.75
Sez29 684.00	Sez30 694.04	Sez29 Sez30	A1 A1	218.63 167.86	10.04 10.04	5.02 5.02	1097.52 842.66		1940.18
Sez30 694.04	Sez31 704.00	Sez30 Sez31	A1 A1	167.86 139.93	9.96 9.96	4.98 4.98	835.94 696.85		1532.79
Sez31 704.00	Sez32 714.00	Sez31 Sez32	A1 A1	139.93 136.81	10.00 10.00	5.00 5.00	699.65 684.05		1383.70
Sez32 714.00	Sez33 724.00	Sez32 Sez33	A1 A1	136.81 190.14	10.00 10.00	5.00 5.00	684.05 950.70		1634.75
Sez33 724.00	Sez34 727.55	Sez33 Sez34	A1 A1	190.14 179.88	3.55 3.55	1.77 1.77	336.55 318.39		654.94
Sez34	Sez35	Sez34	A1	179.88	10.45	5.23	940.77		940.77
Il Direttore dei Lavori		L'Impresa			TOTALE ARTICOLO				17100.53

4.d - Calcolo aree e volumi sterro e riporto tracciato 4

		COMPUTO DEI VOLUMI				Foglio n. 10			
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	
Sez2	Sez3	Sez3	B1	0.55	30.00	15.00	8.25	8.25	
Sez3	Sez4	Sez3	B1	0.55	18.00	9.00	4.95		
60.00	78.00	Sez4	B1	0.11	18.00	9.00	0.99	5.94	
Sez4	Sez5	Sez4	B1	0.11	19.76	9.88	1.09		
78.00	97.76	Sez5	B1	0.50	19.76	9.88	4.94	6.03	
Sez5	Sez6	Sez5	B1	0.50	22.24	11.12	5.56		
97.76	120.00	Sez6	B1	14.96	22.24	11.12	166.36	171.92	
Sez6	Sez7	Sez6	B1	14.96	30.00	15.00	224.40		
120.00	150.00	Sez7	B1	13.54	30.00	15.00	203.10	427.50	
Sez7	Sez8	Sez7	B1	13.54	23.36	11.68	158.15		
150.00	173.36	Sez8	B1	11.84	23.36	11.68	138.29	296.44	
Sez8	Sez9	Sez8	B1	11.84	24.64	12.32	145.87		
173.36	198.00	Sez9	B1	2.45	24.64	12.32	30.18	176.05	
Sez9	Sez10	Sez9	B1	2.45	25.00	12.50	30.63	30.63	
Sez13	Sez14	Sez14	B1	0.06	30.00	15.00	0.90	0.90	
Sez14	Sez15	Sez14	B1	0.06	30.00	15.00	0.90		
330.00	360.00	Sez15	B1	12.31	30.00	15.00	184.65	185.55	
Sez15	Sez16	Sez15	B1	12.31	30.00	15.00	184.65		
360.00	390.00	Sez16	B1	18.07	30.00	15.00	271.05	455.70	
Sez16	Sez17	Sez16	B1	18.07	30.00	15.00	271.05		
390.00	420.00	Sez17	B1	0.91	30.00	15.00	13.65	284.70	
Sez17	Sez18	Sez17	B1	0.91	30.00	15.00	13.65		
420.00	450.00	Sez18	B1	0.59	30.00	15.00	8.85	22.50	
Sez18	Sez19	Sez18	B1	0.59	30.00	15.00	8.85	8.85	
Sez19	Sez20	Sez20	B1	0.36	21.00	10.50	3.78	3.78	
Sez20	Sez21	Sez20	B1	0.36	21.57	10.79	3.88	3.88	
Sez21	Sez22	Sez22	B1	1.25	28.43	14.21	17.76	17.76	
Sez22	Sez23	Sez22	B1	1.25	28.00	14.00	17.50		
551.00	579.00	Sez23	B1	2.55	28.00	14.00	35.70	53.20	
Sez23	Sez24	Sez23	B1	2.55	29.31	14.65	37.36		
579.00	608.31	Sez24	B1	5.84	29.31	14.65	85.56	122.92	
Sez24	Sez25	Sez24	B1	5.84	27.69	13.85	80.88		
608.31	636.00	Sez25	B1	11.79	27.69	13.85	163.29	244.17	
Sez25	Sez26	Sez25	B1	11.79	18.41	9.20	108.47		
636.00	654.41	Sez26	B1	8.28	18.41	9.20	76.18	184.65	
Sez26	Sez27	Sez26	B1	8.28	9.59	4.80	39.74		
654.41	664.00	Sez27	B1	7.33	9.59	4.80	35.18	74.92	
Sez27	Sez28	Sez27	B1	7.33	10.00	5.00	36.65		
664.00	674.00	Sez28	B1	8.23	10.00	5.00	41.15	77.80	
Sez28	Sez29	Sez28	B1	8.23	10.00	5.00	41.15		
674.00	684.00	Sez29	B1	5.41	10.00	5.00	27.05	68.20	
Sez29	Sez30	Sez29	B1	5.41	10.04	5.02	27.16		
684.00	694.04	Sez30	B1	1.05	10.04	5.02	5.27	32.43	
Sez30	Sez31	Sez30	B1	1.05	9.96	4.98	5.23	5.23	
Sez31	Sez32	Sez32	B1	6.57	10.00	5.00	32.85	32.85	
Sez32	Sez33	Sez32	B1	6.57	10.00	5.00	32.85		
714.00	724.00	Sez33	B1	7.00	10.00	5.00	35.00	67.85	
Sez33	Sez34	Sez33	B1	7.00	3.55	1.77	12.39		
724.00	727.55	Sez34	B1	11.89	3.55	1.77	21.05	33.44	
Sez34	Sez35	Sez34	B1	11.89	10.45	5.23	62.18	62.18	
Il Direttore dei Lavori		L'Impresa			TOTALE ARTICOLO				3166.22

COMPUTO DEI VOLUMI		Foglio n. 11	
Volume dalla sezione P1 alla sezione Sez37			
ARTICOLO			VOLUME
A	Sterro	mc	17100.53
B	Riporto	mc	3166.22