



REGIONE BASILICATA



PROVINCIA DI MATERA



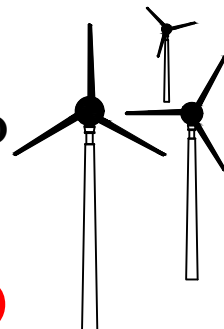
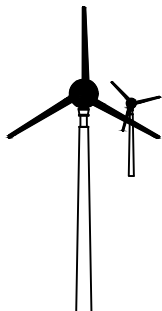
COMUNE DI SALANDRA



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:



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PROGETTISTI:



# PD

PROGETTO DEFINITIVO

ELABORATO:

CALCOLO VOLUMI STERRO E RIPORTO TRACCIATO 7

Tavola:

SAL-PDEF-TAV-008d

Filename:

Data 1° emissione:

Redatto:

Verificato:

Approvato:

Scala:

Protocollo:

n° revisione

1  
2  
3  
4

## 7.d - Calcolo volumi sterro e riporto tracciato 7

|                  |      | CALCOLO DELLE AREE   | Foglio n. 1  |                |      |
|------------------|------|--|--|----------------|------|
| Sterro           |      |  |  |                |      |
| N. SEZIONE PROG. | FIG. | ELEMENTI DI CALCOLO  | AREA ELEMENTARE mq   | AREA FIGURA mq | NOTE |
| P2<br>0.00       | A1   | (-34.19--36.63)x(302.69+302.53)/2<br>(-25.10--34.19)x(303.86+302.69)/2<br>(-12.27--25.10)x(304.82+303.86)/2<br>(-5.65--12.27)x(305.28+304.82)/2<br>(1.69--5.65)x(305.56+305.28)/2<br>(4.38-1.69)x(305.65+305.56)/2<br>(12.49-4.38)x(306.09+305.65)/2<br>(13.10-12.49)x(306.10+306.09)/2<br>(23.38-13.10)x(306.54+306.10)/2<br>(29.11-23.38)x(306.77+306.54)/2<br>(29.63-29.11)x(306.79+306.77)/2<br>(40.38-29.63)x(307.15+306.79)/2<br>(33.33-40.38)x(302.50+307.15)/2<br>(-36.58-33.33)x(302.50+302.50)/2<br>(-36.63--36.58)x(302.53+302.50)/2  | 738.37<br>2756.77<br>3904.68<br>2019.43<br>2241.78<br>822.08<br>2480.61<br>186.72<br>3148.97<br>1757.13<br>159.53<br>3299.93<br>-2149.02<br>-21147.77<br>-15.13            |                |      |
| P3<br>0.00       | A1   | (-12.29--19.48)x(303.86+302.50)/2<br>(-4.29--12.29)x(304.57+303.86)/2<br>(1.00--4.29)x(305.00+304.57)/2<br>(10.37-1.00)x(305.62+305.00)/2<br>(11.67-10.37)x(305.67+305.62)/2<br>(12.30-11.67)x(305.73+305.67)/2<br>(17.47-12.30)x(305.81+305.73)/2<br>(22.80-17.47)x(306.05+305.81)/2<br>(30.70-22.80)x(305.91+306.05)/2<br>(34.42-30.70)x(306.13+305.91)/2<br>(41.26-34.42)x(306.44+306.13)/2<br>(44.51-41.26)x(306.50+306.44)/2<br>(38.45-44.51)x(302.50+306.50)/2<br>(-19.48-38.45)x(302.50+302.50)/2   | 2179.86<br>2433.72<br>1612.31<br>2860.75<br>397.34<br>192.59<br>1580.83<br>1630.61<br>2417.24<br>1138.39<br>2094.99<br>996.03<br>-1845.27<br>-17523.83                     | 204.08         |      |
| P4<br>0.00       | A1   | (-31.98--33.89)x(303.72+303.53)/2<br>(-27.43--31.98)x(304.11+303.72)/2<br>(-19.11--27.43)x(304.75+304.11)/2<br>(-12.93--19.11)x(305.14+304.75)/2<br>(-6.24--12.93)x(305.35+305.14)/2<br>(-3.35--6.24)x(305.64+305.35)/2<br>(-2.41--3.35)x(305.63+305.64)/2<br>(7.85--2.41)x(305.34+305.63)/2<br>(14.00-7.85)x(305.68+305.34)/2<br>(15.56-14.00)x(305.75+305.68)/2<br>(26.42-15.56)x(305.91+305.75)/2<br>(28.30-26.42)x(305.97+305.91)/2<br>(36.12-28.30)x(306.18+305.97)/2<br>(30.54-36.12)x(302.50+306.18)/2<br>(-32.33-30.54)x(302.50+302.50)/2<br>(-33.89--32.33)x(303.53+302.50)/2 | 579.92<br>1382.81<br>2532.86<br>1884.56<br>2042.09<br>882.88<br>287.30<br>3134.28<br>1878.89<br>476.92<br>3321.31<br>575.17<br>2393.51<br>-1698.22<br>-19018.17<br>-472.70 | 165.56         |      |
| P5<br>0.00       | A1   | (-13.62--16.23)x(302.52+302.50)/2<br>(-13.40--13.62)x(302.50+302.52)/2<br>(-16.23--13.40)x(302.50+302.50)/2  | 789.55<br>66.55<br>-856.08   | 183.41         |      |
| Sez1<br>0.00     | A1   | (-1.54--1.79)x(396.96+396.92)/2<br>(0.09--1.54)x(396.93+396.96)/2<br>(0.00-0.09)x(396.93+396.93)/2<br>(-1.79-0.00)x(396.92+396.93)/2   | 99.23<br>647.02<br>-35.72<br>-710.50   | 0.02           |      |
| Sez1<br>0.00     | A2   | (1.96-0.24)x(396.93+396.93)/2<br>(4.02-1.96)x(397.41+396.93)/2<br>(3.25-4.02)x(396.90+397.41)/2<br>(0.24-3.25)x(396.93+396.90)/2   | 682.72<br>818.17<br>-305.81<br>-1194.71  | 0.03           |      |
| Sez3<br>52.17    | A1   | (-1.15--3.28)x(393.58+393.33)/2<br>(-0.96--1.15)x(393.74+393.58)/2<br>(1.66--0.96)x(393.77+393.74)/2<br>(2.55-1.66)x(393.78+393.77)/2<br>(5.05-2.55)x(394.54+393.78)/2<br>(5.17-5.05)x(394.57+394.54)/2<br>(3.25-5.17)x(393.30+394.57)/2<br>(0.00-3.25)x(393.33+393.30)/2<br>(-3.25-0.00)x(393.30+393.33)/2<br>(-3.28--3.25)x(393.33+393.30)/2   | 838.06<br>74.80<br>1031.64<br>350.46<br>985.40<br>47.35<br>-756.36<br>-1278.27<br>-1278.27<br>-11.80   | 0.37           |      |
| Sez4<br>75.00    | A1   | (-2.00--3.69)x(392.29+392.02)/2<br>(1.08--2.00)x(392.34+392.29)/2<br>(1.10-1.08)x(392.35+392.34)/2<br>(1.11-1.10)x(392.34+392.35)/2<br>(3.81-1.11)x(392.39+392.34)/2<br>(4.26-3.81)x(392.40+392.39)/2<br>(3.25-4.26)x(391.73+392.40)/2<br>(0.00-3.25)x(391.75+391.73)/2<br>(-3.25-0.00)x(391.73+391.75)/2<br>(-3.69--3.25)x(392.02+391.73)/2   | 662.74<br>1208.33<br>7.85<br>3.92<br>1059.39<br>176.58<br>-395.99<br>-1273.15<br>-1273.15<br>-172.42   | 4.10           |      |
| Sez5<br>99.00    | A1   | (-0.42--1.98)x(390.37+390.08)/2<br>(0.38--0.42)x(390.39+390.37)/2<br>(2.60-0.38)x(390.47+390.39)/2<br>(3.25-2.60)x(390.32+390.47)/2<br>(3.64-3.25)x(390.33+390.32)/2<br>(3.25-3.64)x(390.07+390.33)/2<br>(0.00-3.25)x(390.10+390.07)/2<br>(-1.98-0.00)x(390.08+390.10)/2   | 608.75<br>312.30<br>866.75<br>253.76<br>152.23<br>-152.18<br>-1267.78<br>-772.38   |                |      |
| Sez6<br>122.83   | A1   | (-0.36--0.83)x(388.52+388.45)/2<br>(0.84--0.36)x(388.55+388.52)/2<br>(2.82-0.84)x(388.57+388.55)/2<br>(3.29-2.82)x(388.66+388.57)/2<br>(3.80-3.29)x(388.79+388.66)/2<br>(3.25-3.80)x(388.43+388.79)/2<br>(0.00-3.25)x(388.45+388.43)/2<br>(-0.83-0.00)x(388.45+388.45)/2   | 182.59<br>466.24<br>769.35<br>182.65<br>198.25<br>-213.74<br>-1262.43<br>-322.41   | 1.45           |      |
| Sez7<br>137.22   | A1   | (-2.48--3.37)x(387.44+387.52)/2<br>(-3.25--2.48)x(387.44+387.44)/2<br>(-3.37--3.25)x(387.52+387.44)/2  | 344.86<br>-298.33<br>-46.50  | 0.50           |      |
| Sez7             | A2   | (3.93-1.71)x(388.21+387.45)/2  | 860.98   | 0.03           |      |
| A RIPORTARE mq   |      |  | 860.98   |                |      |

## 7.d - Calcolo volumi sterro e riporto tracciato 7

|                  |      | CALCOLO DELLE AREE   | Foglio n. 2  |                |      |
|------------------|------|--|--|----------------|------|
| Sterro           |      |  |  |                |      |
| N. SEZIONE PROG. | FIG. | ELEMENTI DI CALCOLO  | AREA ELEMENTARE mq   | AREA FIGURA mq | NOTE |
| RIPORTO mq       |      |  | 860.98   |                |      |
| 137.22           |      | (5.54-3.93)x(388.95+388.21)/2<br>(3.25-5.54)x(387.44+388.95)/2<br>(1.71-3.25)x(387.45+387.44)/2  | 625.61<br>-888.97<br>-596.67   |                |      |
| Sez8<br>151.60   | A1   | (-2.05--4.11)x(386.85+387.01)/2<br>(-0.69--2.05)x(386.46+386.85)/2<br>(-3.25--0.69)x(386.44+386.46)/2<br>(-4.11--3.25)x(387.01+386.44)/2   | 797.08<br>525.85<br>-989.31<br>-332.58   | 0.95           |      |
| Sez8<br>151.60   | A2   | (2.06--0.07)x(386.53+386.47)/2<br>(2.67-2.06)x(386.54+386.53)/2<br>(3.43-2.67)x(386.56+386.54)/2<br>(3.25-3.43)x(386.44+386.56)/2<br>(0.00-3.25)x(386.47+386.44)/2<br>(-0.07-0.00)x(386.47+386.47)/2   | 823.25<br>235.79<br>293.78<br>-69.57<br>-1255.98<br>-27.05   | 1.04           |      |
| Sez9<br>183.78   | A1   | (-4.06--4.47)x(384.75+384.77)/2<br>(-3.39--4.06)x(384.67+384.75)/2<br>(-0.87--3.39)x(383.98+384.67)/2<br>(-3.25--0.87)x(383.96+383.98)/2<br>(-4.47--3.25)x(384.77+383.96)/2  | 157.75<br>257.76<br>968.50<br>-913.85<br>-468.93   | 0.22           |      |
| Sez9<br>183.78   | A2   | (3.19-2.56)x(384.15+383.97)/2<br>(4.25-3.19)x(384.62+384.15)/2<br>(3.25-4.25)x(383.96+384.62)/2<br>(2.56-3.25)x(383.97+383.96)/2   | 241.96<br>407.45<br>-384.29<br>-264.94   | 1.23           |      |
| Sez15<br>360.00  | A1   | (-1.88--3.36)x(370.46+370.47)/2<br>(-0.93--1.88)x(370.48+370.46)/2<br>(-0.17--0.93)x(370.42+370.48)/2<br>(-3.25--0.17)x(370.40+370.42)/2<br>(-3.36--3.25)x(370.47+370.40)/2  | 548.29<br>351.95<br>281.54<br>-1140.86<br>-40.75   | 0.18           |      |
| Sez15<br>360.00  | A2   | (1.71-0.96)x(370.73+370.42)/2<br>(1.76-1.71)x(370.73+370.73)/2<br>(3.74-1.76)x(370.73+370.73)/2<br>(3.25-3.74)x(370.40+370.73)/2<br>(0.96-3.25)x(370.42+370.40)/2  | 277.93<br>18.54<br>734.05<br>-181.58<br>-848.24  | 0.17           |      |
| Sez16<br>390.00  | A1   | (1.79--1.69)x(370.85+368.93)/2<br>(2.22-1.79)x(371.05+370.85)/2<br>(3.07-2.22)x(371.02+371.05)/2<br>(6.00-3.07)x(370.73+371.02)/2<br>(3.25-6.00)x(368.92+370.73)/2<br>(0.00-3.25)x(368.94+368.92)/2<br>(-1.69-0.00)x(368.93+368.94)/2  | 1287.22<br>159.51<br>315.38<br>1086.66<br>-1017.02<br>-1199.02<br>-623.50  | 0.70           |      |
| Sez17<br>420.00  | A1   | (1.49--0.12)x(368.58+367.39)/2<br>(2.98-1.49)x(368.45+368.58)/2<br>(4.74-2.98)x(368.34+368.45)/2<br>(3.25-4.74)x(367.36+368.34)/2<br>(0.00-3.25)x(367.39+367.36)/2<br>(-0.12-0.00)x(367.39+367.39)/2   | 592.46<br>549.09<br>648.38<br>-548.10<br>-1193.97<br>-44.09  | 9.23           |      |
| Sez18<br>450.00  | A1   | (-3.57--3.81)x(364.29+364.29)/2<br>(-0.63--3.57)x(364.29+364.29)/2<br>(0.00--0.63)x(364.18+364.29)/2<br>(0.41-0.00)x(364.12+364.18)/2<br>(0.56-0.41)x(364.09+364.12)/2<br>(0.60-0.56)x(364.13+364.09)/2<br>(1.76-0.60)x(364.88+364.13)/2<br>(2.38-1.76)x(364.85+364.88)/2<br>(4.41-2.38)x(364.68+364.85)/2<br>(3.25-4.41)x(363.92+364.68)/2<br>(0.00-3.25)x(363.94+363.92)/2<br>(-3.25-0.00)x(363.92+363.94)/2<br>(-3.81--3.25)x(364.29+363.92)/2  | 87.43<br>1071.01<br>229.47<br>149.30<br>54.62<br>14.56<br>422.83<br>226.22<br>740.47<br>-422.59<br>-1182.77<br>-1182.77<br>-203.90           | 3.77           |      |
| Sez19<br>469.99  | A1   | (-3.46--3.99)x(362.14+362.05)/2<br>(-2.86--3.46)x(362.21+362.14)/2<br>(-0.58--2.86)x(362.21+362.21)/2<br>(0.69--0.58)x(362.20+362.21)/2<br>(1.36-0.69)x(361.93+362.20)/2<br>(1.80-1.36)x(361.96+361.93)/2<br>(2.06-1.80)x(361.91+361.96)/2<br>(2.15-2.06)x(361.96+361.91)/2<br>(2.95-2.15)x(362.41+361.96)/2<br>(4.21-2.95)x(362.20+362.41)/2<br>(3.25-4.21)x(361.56+362.20)/2<br>(0.00-3.25)x(361.59+361.56)/2<br>(-3.25-0.00)x(361.56+361.59)/2<br>(-3.99--3.25)x(362.05+361.56)/2     | 191.91<br>217.31<br>825.84<br>460.00<br>242.58<br>159.26<br>94.10<br>32.57<br>289.75<br>456.50<br>-347.40<br>-1175.12<br>-1175.12<br>-267.74 | 3.88           |      |
| Sez20<br>488.66  | A1   | (-3.93--4.54)x(360.27+360.22)/2<br>(-3.75--3.93)x(360.30+360.27)/2<br>(-0.66--3.75)x(360.31+360.30)/2<br>(-0.27--0.66)x(360.31+360.31)/2<br>(-0.18--0.27)x(360.29+360.31)/2<br>(1.43--0.18)x(360.08+360.29)/2<br>(1.57-1.43)x(360.07+360.08)/2<br>(2.01-1.57)x(360.37+360.07)/2<br>(3.71-2.01)x(361.49+360.37)/2<br>(6.00-3.71)x(361.18+361.49)/2<br>(3.25-6.00)x(359.37+361.18)/2<br>(0.00-3.25)x(359.39+359.37)/2<br>(-3.25-0.00)x(359.37+359.39)/2<br>(-4.54--3.25)x(360.22+359.37)/2 | 219.75<br>64.85<br>1113.34<br>140.52<br>32.43<br>579.90<br>50.41<br>158.50<br>613.58<br>827.46<br>-990.76<br>-1167.98<br>-1167.98<br>-464.14 | 4.44           |      |
| Sez21<br>507.33  | A1   | (-9.03--9.09)x(361.05+361.02)/2<br>(-7.91--9.03)x(361.13+361.05)/2<br>(-7.73--7.91)x(361.07+361.13)/2<br>(-5.88--7.73)x(359.82+361.07)/2<br>(-4.63--5.88)x(358.73+359.82)/2<br>(-4.18--4.63)x(357.98+358.73)/2<br>(-3.26--4.18)x(358.18+357.98)/2  | 21.66<br>404.42<br>65.00<br>666.82<br>449.09<br>161.26<br>329.43   | 9.88           |      |
| A RIPORTARE mq   |      |  | 2097.68  |                |      |

## 7.d - Calcolo volumi sterro e riporto tracciato 7

|  |          | CALCOLO DELLE AREE                         | Foglio n. 3              |                      |      |
|--|----------|--|--------------------------|----------------------|------|
| Sterro                                     |          |  |                          |                      |      |
| N. SEZIONE<br>PROG.                        | FIG.     | ELEMENTI DI CALCOLO                        | AREA<br>ELEMENTARE<br>mq | AREA<br>FIGURA<br>mq | NOTE |
| RIPORTO mq                                 |          |  | 2097.68                  |                      |      |
| Sez22<br>533.80                            | A1       | $(-2.95--3.26) \times (358.24+358.18) / 2$ | 111.05                   | 15.51                |      |
|  |          | $(0.15--2.95) \times (358.27+358.24) / 2$  | 1110.59                  |                      |      |
|  |          | $(0.34-0.15) \times (358.26+358.27) / 2$   | 68.07                    |                      |      |
|  |          | $(1.65-0.34) \times (358.05+358.26) / 2$   | 469.18                   |                      |      |
|  |          | $(1.66-1.65) \times (358.05+358.05) / 2$   | 3.58                     |                      |      |
|  |          | $(1.68-1.66) \times (358.07+358.05) / 2$   | 7.16                     |                      |      |
|  |          | $(3.66-1.68) \times (359.62+358.07) / 2$   | 710.51                   |                      |      |
|  |          | $(4.55-3.66) \times (359.56+359.62) / 2$   | 320.04                   |                      |      |
|  |          | $(6.28-4.55) \times (359.17+359.56) / 2$   | 621.70                   |                      |      |
|  |          | $(3.25-6.28) \times (357.17+359.17) / 2$   | -1085.26                 |                      |      |
|  |          | $(0.00-3.25) \times (357.19+357.17) / 2$   | -1160.84                 |                      |      |
|  |          | $(-3.25-0.00) \times (357.17+357.19) / 2$  | -1160.84                 |                      |      |
|  |          | $(-9.09--3.25) \times (361.02+357.17) / 2$ | -2097.11                 |                      |      |
|  |          | $(-7.53--8.22) \times (357.48+357.33) / 2$ | 246.61                   |                      |      |
|  |          | $(-7.38--7.53) \times (357.48+357.48) / 2$ | 53.62                    |                      |      |
| $(-6.74--7.38) \times (357.23+357.48) / 2$ | 228.71   |  |                          |                      |      |
| $(-5.72--6.74) \times (356.63+357.23) / 2$ | 364.07   |  |                          |                      |      |
| $(-3.31--5.72) \times (354.78+356.63) / 2$ | 857.25   |  |                          |                      |      |
| $(-3.22--3.31) \times (354.71+354.78) / 2$ | 31.93    |  |                          |                      |      |
| $(-3.21--3.22) \times (354.71+354.71) / 2$ | 3.55     |  |                          |                      |      |
| $(-3.20--3.21) \times (354.71+354.71) / 2$ | 3.55     |  |                          |                      |      |
| $(-1.94--3.20) \times (354.95+354.71) / 2$ | 447.09   |  |                          |                      |      |
| $(-1.91--1.94) \times (354.96+354.95) / 2$ | 10.65    |  |                          |                      |      |
| $(-1.88--1.91) \times (354.96+354.96) / 2$ | 10.65    |  |                          |                      |      |
| $(1.54--1.88) \times (355.09+354.96) / 2$  | 1214.19  |  |                          |                      |      |
| $(1.61-1.54) \times (355.07+355.09) / 2$   | 24.86    |  |                          |                      |      |
| $(2.65-1.61) \times (354.92+355.07) / 2$   | 369.19   |  |                          |                      |      |
| $(2.70-2.65) \times (354.91+354.92) / 2$   | 17.75    |  |                          |                      |      |
| $(4.07-2.70) \times (355.94+354.91) / 2$   | 486.93   |  |                          |                      |      |
| $(4.12-4.07) \times (355.99+355.94) / 2$   | 17.80    |  |                          |                      |      |
| $(4.26-4.12) \times (355.98+355.99) / 2$   | 49.84    |  |                          |                      |      |
| $(5.24-4.26) \times (355.97+355.98) / 2$   | 348.86   |  |                          |                      |      |
| $(6.19-5.24) \times (355.99+355.97) / 2$   | 338.18   |  |                          |                      |      |
| $(3.25-6.19) \times (354.05+355.99) / 2$   | -1043.76 |  |                          |                      |      |
| $(0.00-3.25) \times (354.08+354.05) / 2$   | -1150.71 |  |                          |                      |      |
| $(-3.25-0.00) \times (354.05+354.08) / 2$  | -1150.71 |  |                          |                      |      |
| $(-8.22--3.25) \times (357.33+354.05) / 2$ | -1767.78 |  |                          |                      |      |
| Sez23<br>549.75                            | A1       | $(-7.20--8.25) \times (355.45+355.47) / 2$ | 373.23                   | 12.32                |      |
|  |          | $(-7.01--7.20) \times (354.85+355.45) / 2$ | 67.48                    |                      |      |
|  |          | $(-5.48--7.01) \times (355.25+354.85) / 2$ | 543.23                   |                      |      |
|  |          | $(-3.24--5.48) \times (355.80+355.25) / 2$ | 796.38                   |                      |      |
|  |          | $(-2.15--3.24) \times (354.73+355.80) / 2$ | 387.24                   |                      |      |
|  |          | $(-1.17--2.15) \times (352.41+354.73) / 2$ | 346.50                   |                      |      |
|  |          | $(0.26--1.17) \times (352.84+352.41) / 2$  | 504.25                   |                      |      |
|  |          | $(0.38-0.26) \times (352.86+352.84) / 2$   | 42.34                    |                      |      |
|  |          | $(0.65-0.38) \times (352.87+352.86) / 2$   | 95.27                    |                      |      |
|  |          | $(3.55-0.65) \times (353.01+352.87) / 2$   | 1023.53                  |                      |      |
|  |          | $(4.48-3.55) \times (352.98+353.01) / 2$   | 328.29                   |                      |      |
|  |          | $(3.25-4.48) \times (352.17+352.98) / 2$   | -433.67                  |                      |      |
|  |          | $(0.00-3.25) \times (352.20+352.17) / 2$   | -1144.60                 |                      |      |
|  |          | $(-3.25-0.00) \times (352.17+352.20) / 2$  | -1144.60                 |                      |      |
|  |          | $(-8.25--3.25) \times (355.47+352.17) / 2$ | -1769.10                 |                      |      |
| Sez24<br>565.70                            | A1       | $(-2.83--3.68) \times (350.55+350.58) / 2$ | 297.98                   | 15.77                |      |
|  |          | $(-1.71--2.83) \times (350.64+350.55) / 2$ | 392.67                   |                      |      |
|  |          | $(-1.55--1.71) \times (350.74+350.64) / 2$ | 56.11                    |                      |      |
|  |          | $(0.91--1.55) \times (350.72+350.74) / 2$  | 862.80                   |                      |      |
|  |          | $(1.81-0.91) \times (350.69+350.72) / 2$   | 315.63                   |                      |      |
|  |          | $(2.24-1.81) \times (350.67+350.69) / 2$   | 150.79                   |                      |      |
|  |          | $(3.62-2.24) \times (350.54+350.67) / 2$   | 483.83                   |                      |      |
|  |          | $(3.25-3.62) \times (350.29+350.54) / 2$   | -129.65                  |                      |      |
|  |          | $(0.00-3.25) \times (350.32+350.29) / 2$   | -1138.49                 |                      |      |
|  |          | $(-3.25-0.00) \times (350.29+350.32) / 2$  | -1138.49                 |                      |      |
|  |          | $(-3.68--3.25) \times (350.58+350.29) / 2$ | -150.69                  |                      |      |
|  |          | $(-1.65--2.10) \times (346.53+346.41) / 2$ | 155.91                   |                      |      |
|  |          | $(-1.50--1.65) \times (346.57+346.53) / 2$ | 51.98                    |                      |      |
|  |          | $(1.77--1.50) \times (346.58+346.57) / 2$  | 1133.30                  |                      |      |
|  |          | $(2.25-1.77) \times (346.61+346.58) / 2$   | 166.37                   |                      |      |
| $(2.64-2.25) \times (346.57+346.61) / 2$   | 135.17   |  |                          |                      |      |
| $(3.34-2.64) \times (346.46+346.57) / 2$   | 242.56   |  |                          |                      |      |
| $(3.25-3.34) \times (346.40+346.46) / 2$   | -31.18   |  |                          |                      |      |
| $(0.00-3.25) \times (346.43+346.40) / 2$   | -1125.85 |  |                          |                      |      |
| $(-2.10-0.00) \times (346.41+346.43) / 2$  | -727.48  |  |                          |                      |      |
| Sez37<br>828.36                            | A1       | $(-3.01--3.43) \times (321.90+321.97) / 2$ | 135.21                   | 0.78                 |      |
|  |          | $(-1.60--3.01) \times (321.87+321.90) / 2$ | 453.86                   |                      |      |
|  |          | $(-3.25--1.60) \times (321.85+321.87) / 2$ | -531.07                  |                      |      |
|  |          | $(-3.43--3.25) \times (321.97+321.85) / 2$ | -57.94                   |                      |      |
| Sez38<br>844.53                            | A1       | $(-4.80--6.48) \times (322.67+322.99) / 2$ | 542.35                   | 0.06                 |      |
|  |          | $(-4.18--4.80) \times (322.31+322.67) / 2$ | 199.94                   |                      |      |
|  |          | $(-3.56--4.18) \times (322.14+322.31) / 2$ | 199.78                   |                      |      |
|  |          | $(-1.74--3.56) \times (320.87+322.14) / 2$ | 585.14                   |                      |      |
|  |          | $(-3.25--1.74) \times (320.86+320.87) / 2$ | -484.51                  |                      |      |
|  |          | $(-6.48--3.25) \times (322.99+320.86) / 2$ | -1039.82                 |                      |      |
| Sez38<br>844.53                            | A2       | $(0.60--0.52) \times (320.92+320.88) / 2$  | 359.41                   | 2.88                 |      |
|  |          | $(1.80-0.60) \times (320.88+320.92) / 2$   | 385.08                   |                      |      |
|  |          | $(1.83-1.80) \times (320.87+320.88) / 2$   | 9.63                     |                      |      |
|  |          | $(0.00-1.83) \times (320.88+320.87) / 2$   | -587.20                  |                      |      |
|  |          | $(-0.52-0.00) \times (320.88+320.88) / 2$  | -166.86                  |                      |      |
| Sez38<br>844.53                            | A3       | $(3.47-2.32) \times (321.62+320.86) / 2$   | 369.43                   | 0.06                 |      |
|  |          | $(5.75-3.47) \times (323.39+321.62) / 2$   | 735.31                   |                      |      |
|  |          | $(6.20-5.75) \times (323.68+323.39) / 2$   | 145.59                   |                      |      |
|  |          | $(7.32-6.20) \times (323.54+323.68) / 2$   | 362.44                   |                      |      |
|  |          | $(3.25-7.32) \times (320.86+323.54) / 2$   | -1311.35                 |                      |      |
|  |          | $(2.32-3.25) \times (320.86+320.86) / 2$   | -298.40                  |                      |      |
| Sez39<br>847.21                            | A1       | $(-5.55--6.43) \times (322.62+322.79) / 2$ | 283.98                   | 3.02                 |      |
|  |          | $(-4.19--5.55) \times (321.83+322.62) / 2$ | 438.23                   |                      |      |
|  |          | $(-2.83--4.19) \times (321.46+321.83) / 2$ | 437.44                   |                      |      |
| A RIPORTARE mq                             |          |  | 1159.65                  |                      |      |

## 7.d - Calcolo volumi sterro e riporto tracciato 7

|                  |      | CALCOLO DELLE AREE   | Foglio n. 4  |                |      |
|------------------|------|--|--|----------------|------|
| Sterro           |      |  |  |                |      |
| N. SEZIONE PROG. | FIG. | ELEMENTI DI CALCOLO  | AREA ELEMENTARE mq   | AREA FIGURA mq | NOTE |
| RIPORTO mq       |      |  | 1159.65  |                |      |
| Sez39<br>847.21  | A2   | $(-1.75--2.83) \times (320.70+321.46) / 2$<br>$(-3.25--1.75) \times (320.69+320.70) / 2$<br>$(-6.43--3.25) \times (322.79+320.69) / 2$<br>$(1.59-0.79) \times (320.74+320.71) / 2$<br>$(1.96-1.59) \times (320.73+320.74) / 2$<br>$(2.01-1.96) \times (320.70+320.73) / 2$<br>$(0.79-2.01) \times (320.71+320.70) / 2$   | 346.77<br>-481.04<br>-1023.13<br>256.58<br>118.67<br>16.04<br>-391.26  | 2.25           |      |
| Sez39<br>847.21  | A3   | $(5.35-2.85) \times (322.29+320.70) / 2$<br>$(5.63-5.35) \times (322.26+322.29) / 2$<br>$(3.25-5.63) \times (320.69+322.26) / 2$<br>$(2.85-3.25) \times (320.70+320.69) / 2$   | 803.74<br>90.24<br>-765.11<br>-128.28  | 0.03           |      |
| Sez40<br>865.26  | A1   | $(-11.32--12.46) \times (325.51+325.66) / 2$<br>$(-9.65--11.32) \times (325.02+325.51) / 2$<br>$(-7.31--9.65) \times (323.63+325.02) / 2$<br>$(-2.47--7.31) \times (319.59+323.63) / 2$<br>$(-3.25--2.47) \times (319.58+319.59) / 2$<br>$(-12.34--3.25) \times (325.58+319.58) / 2$<br>$(-12.46--12.34) \times (325.66+325.58) / 2$   | 371.17<br>543.19<br>758.92<br>1556.59<br>-249.28<br>-2932.25<br>-39.07   | 0.59           |      |
| Sez41<br>883.30  | A1   | $(-8.49--11.09) \times (323.33+323.64) / 2$<br>$(-7.02--8.49) \times (322.08+323.33) / 2$<br>$(-2.95--7.02) \times (318.47+322.08) / 2$<br>$(-3.25--2.95) \times (318.47+318.47) / 2$<br>$(-11.09--3.25) \times (323.64+318.47) / 2$   | 841.06<br>474.38<br>1303.52<br>-95.54<br>-2517.07  | 9.27           |      |
| Sez46<br>1015.44 | A1   | $(-1.00--4.38) \times (310.41+311.14) / 2$<br>$(-3.25--1.00) \times (310.39+310.41) / 2$<br>$(-4.38--3.25) \times (311.14+310.39) / 2$   | 1050.42<br>-698.40<br>-351.16  | 6.35           |      |
| Sez46<br>1015.44 | A2   | $(2.57-1.99) \times (310.82+310.40) / 2$<br>$(3.73-2.57) \times (310.71+310.82) / 2$<br>$(3.25-3.73) \times (310.39+310.71) / 2$<br>$(1.99-3.25) \times (310.40+310.39) / 2$   | 180.15<br>360.49<br>-149.06<br>-391.10   | 0.86           |      |
| Sez47<br>1039.23 | A1   | $(2.85-1.89) \times (310.59+310.24) / 2$<br>$(3.72-2.85) \times (310.70+310.59) / 2$<br>$(3.97-3.72) \times (310.71+310.70) / 2$<br>$(3.25-3.97) \times (310.23+310.71) / 2$<br>$(1.89-3.25) \times (310.24+310.23) / 2$   | 298.00<br>270.26<br>77.68<br>-223.54<br>-421.92  | 0.48           |      |
| Sez48<br>1065.00 | A1   | $(2.66-2.23) \times (310.28+310.13) / 2$<br>$(3.96-2.66) \times (310.60+310.28) / 2$<br>$(3.25-3.96) \times (310.13+310.60) / 2$<br>$(2.23-3.25) \times (310.13+310.13) / 2$   | 133.39<br>403.57<br>-220.36<br>-316.33   | 0.48           |      |
| Sez54<br>1206.03 | A1   | $(0.80-0.04) \times (309.62+309.57) / 2$<br>$(0.89-0.80) \times (309.62+309.62) / 2$<br>$(1.00-0.89) \times (309.65+309.62) / 2$<br>$(1.86-1.00) \times (309.74+309.65) / 2$<br>$(2.10-1.86) \times (309.76+309.74) / 2$<br>$(3.65-2.10) \times (309.81+309.76) / 2$<br>$(3.25-3.65) \times (309.54+309.81) / 2$<br>$(0.04-3.25) \times (309.57+309.54) / 2$   | 235.29<br>27.87<br>34.06<br>266.34<br>74.34<br>480.17<br>-123.87<br>-993.67                                    | 0.27           |      |
| Sez55<br>1230.00 | A1   | $(-1.86--2.15) \times (309.80+309.77) / 2$<br>$(-1.07--1.86) \times (309.80+309.80) / 2$<br>$(0.49--1.07) \times (309.83+309.80) / 2$<br>$(1.07-0.49) \times (309.78+309.83) / 2$<br>$(0.00-1.07) \times (309.78+309.78) / 2$<br>$(-2.15-0.00) \times (309.77+309.78) / 2$   | 89.84<br>244.74<br>483.31<br>179.69<br>-331.46<br>-666.02  | 0.53           |      |
| Sez56<br>1260.00 | A1   | $(-3.16--4.55) \times (310.18+310.89) / 2$<br>$(-1.68--3.16) \times (310.19+310.18) / 2$<br>$(-0.54--1.68) \times (310.13+310.19) / 2$<br>$(0.02--0.54) \times (310.18+310.13) / 2$<br>$(2.78-0.02) \times (310.34+310.18) / 2$<br>$(3.56-2.78) \times (310.23+310.34) / 2$<br>$(3.25-3.56) \times (310.03+310.23) / 2$<br>$(0.00-3.25) \times (310.06+310.03) / 2$<br>$(-3.25-0.00) \times (310.03+310.06) / 2$<br>$(-4.55--3.25) \times (310.89+310.03) / 2$   | 431.64<br>459.07<br>353.58<br>173.69<br>856.32<br>242.02<br>-96.14<br>-1007.65<br>-1007.65<br>-403.60          | 0.10           |      |
| Sez57<br>1290.00 | A1   | $(-0.66--0.74) \times (310.33+310.32) / 2$<br>$(0.56--0.66) \times (310.39+310.33) / 2$<br>$(2.93-0.56) \times (310.65+310.39) / 2$<br>$(3.89-2.93) \times (310.73+310.65) / 2$<br>$(3.25-3.89) \times (310.30+310.73) / 2$<br>$(0.00-3.25) \times (310.33+310.30) / 2$<br>$(-0.74-0.00) \times (310.32+310.33) / 2$   | 24.83<br>378.64<br>735.93<br>298.26<br>-198.73<br>-1008.52<br>-229.64  | 1.28           |      |
| Sez58<br>1320.00 | A1   | $(-3.48--3.54) \times (310.60+310.61) / 2$<br>$(-2.46--3.48) \times (310.58+310.60) / 2$<br>$(-0.77--2.46) \times (310.54+310.58) / 2$<br>$(1.46--0.77) \times (310.72+310.54) / 2$<br>$(2.28-1.46) \times (310.81+310.72) / 2$<br>$(3.27-2.28) \times (310.93+310.81) / 2$<br>$(3.96-3.27) \times (310.89+310.93) / 2$<br>$(3.25-3.96) \times (310.42+310.89) / 2$<br>$(0.00-3.25) \times (310.45+310.42) / 2$<br>$(-3.25-0.00) \times (310.42+310.45) / 2$<br>$(-3.54--3.25) \times (310.61+310.42) / 2$ | 18.64<br>316.80<br>524.85<br>692.70<br>254.83<br>307.76<br>214.53<br>-220.57<br>-1008.91<br>-1008.91<br>-90.05 | 0.77           |      |
| Sez59<br>1350.00 | A1   | $(-1.70--6.51) \times (310.43+310.30) / 2$<br>$(-0.36--1.70) \times (310.12+310.43) / 2$<br>$(-0.12--0.36) \times (310.08+310.12) / 2$<br>$(1.13--0.12) \times (310.09+310.08) / 2$<br>$(2.78-1.13) \times (310.05+310.09) / 2$<br>$(3.94-2.78) \times (310.13+310.05) / 2$<br>$(6.41-3.94) \times (310.23+310.13) / 2$<br>$(3.25-6.41) \times (308.14+310.23) / 2$<br>$(0.00-3.25) \times (308.17+308.14) / 2$<br>$(-3.25-0.00) \times (308.14+308.17) / 2$   | 1492.86<br>415.77<br>74.42<br>387.61<br>511.62<br>359.70<br>766.14<br>-977.02<br>-1001.50<br>-1001.50          | 1.67           |      |
| A RIPORTARE mq   |      |  | 1028.10  |                |      |

## 7.d - Calcolo volumi sterro e riporto tracciato 7

|                     |      | CALCOLO DELLE AREE   | Foglio n. 5   |                      |      |
|---------------------|------|--|---|----------------------|------|
| Sterro              |      |  |   |                      |      |
| N. SEZIONE<br>PROG. | FIG. | ELEMENTI DI CALCOLO  | AREA<br>ELEMENTARE<br>mq  | AREA<br>FIGURA<br>mq | NOTE |
| RIPORTO mq          |      |  | 1028.10   |                      |      |
| Sez60<br>1372.00    | A1   | $(-6.51--3.25) \times (310.30+308.14) / 2$<br>$(-6.77--7.30) \times (309.07+309.03) / 2$<br>$(-6.32--6.77) \times (309.11+309.07) / 2$<br>$(-5.28--6.32) \times (309.10+309.11) / 2$<br>$(-0.59--5.28) \times (309.10+309.10) / 2$<br>$(1.84--0.59) \times (309.13+309.10) / 2$<br>$(2.00-1.84) \times (309.09+309.13) / 2$<br>$(3.11-2.00) \times (308.97+309.09) / 2$<br>$(3.40-3.11) \times (308.93+308.97) / 2$<br>$(5.47-3.40) \times (308.98+308.93) / 2$<br>$(5.94-5.47) \times (308.98+308.98) / 2$<br>$(7.11-5.94) \times (308.91+308.98) / 2$<br>$(3.25-7.11) \times (306.36+308.91) / 2$<br>$(0.00-3.25) \times (306.39+306.36) / 2$<br>$(-3.25-0.00) \times (306.36+306.39) / 2$<br>$(-7.30--3.25) \times (309.03+306.36) / 2$ | -1008.06<br>163.80<br>139.09<br>321.47<br>1449.68<br>751.15<br>49.46<br>343.02<br>89.60<br>639.54<br>145.22<br>361.47<br>-1187.47<br>-995.72<br>-995.72<br>-1246.16 | 20.04                |      |
| Sez61<br>1394.43    | A1   | $(-5.05--8.17) \times (307.91+307.79) / 2$<br>$(3.24--5.05) \times (307.94+307.91) / 2$<br>$(4.48-3.24) \times (307.93+307.94) / 2$<br>$(4.65-4.48) \times (307.87+307.93) / 2$<br>$(5.28-4.65) \times (307.75+307.87) / 2$<br>$(5.50-5.28) \times (307.71+307.75) / 2$<br>$(5.78-5.50) \times (307.71+307.71) / 2$<br>$(7.89-5.78) \times (307.70+307.71) / 2$<br>$(7.92-7.89) \times (307.67+307.70) / 2$<br>$(7.98-7.92) \times (307.67+307.67) / 2$<br>$(3.25-7.98) \times (304.55+307.67) / 2$<br>$(0.00-3.25) \times (304.57+304.55) / 2$<br>$(-3.25-0.00) \times (304.55+304.57) / 2$<br>$(-8.17--3.25) \times (307.79+304.55) / 2$   | 960.49<br>2552.70<br>381.84<br>52.34<br>193.92<br>67.70<br>86.16<br>649.26<br>9.23<br>18.46<br>-1447.90<br>-989.82<br>-989.82<br>-1506.36                           | 28.43                |      |
| Sez62<br>1410.00    | A1   | $(-7.94--9.56) \times (307.45+307.45) / 2$<br>$(-2.40--7.94) \times (307.45+307.45) / 2$<br>$(-0.06--2.40) \times (307.42+307.45) / 2$<br>$(5.30--0.06) \times (307.27+307.42) / 2$<br>$(6.51-5.30) \times (307.24+307.27) / 2$<br>$(6.95-6.51) \times (307.04+307.24) / 2$<br>$(7.09-6.95) \times (307.01+307.04) / 2$<br>$(7.16-7.09) \times (306.99+307.01) / 2$<br>$(7.26-7.16) \times (306.99+306.99) / 2$<br>$(8.88-7.26) \times (307.00+306.99) / 2$<br>$(3.25-8.88) \times (303.28+307.00) / 2$<br>$(0.00-3.25) \times (303.31+303.28) / 2$<br>$(-3.25-0.00) \times (303.28+303.31) / 2$<br>$(-9.56--3.25) \times (307.45+303.28) / 2$   | 498.07<br>1703.27<br>719.40<br>1647.37<br>371.78<br>135.14<br>42.98<br>21.49<br>30.70<br>497.33<br>-1717.94<br>-985.71<br>-985.71<br>-1926.85                       | 38.20                |      |
| Sez63<br>1420.00    | A1   | $(-33.16--41.72) \times (305.80+302.50) / 2$<br>$(-30.54--33.16) \times (306.05+305.80) / 2$<br>$(-24.98--30.54) \times (306.54+306.05) / 2$<br>$(-31.10--24.98) \times (302.50+306.54) / 2$<br>$(-41.72--31.10) \times (302.50+302.50) / 2$   | 2603.52<br>801.52<br>1703.00<br>-1863.66<br>-3212.55  | 51.32                |      |
| Sez63<br>1420.00    | A2   | $(-0.93--10.19) \times (307.18+307.22) / 2$<br>$(0.74--0.93) \times (307.14+307.18) / 2$<br>$(7.60-0.74) \times (306.91+307.14) / 2$<br>$(7.91-7.60) \times (306.86+306.91) / 2$<br>$(9.05-7.91) \times (306.60+306.86) / 2$<br>$(9.25-9.05) \times (306.60+306.60) / 2$<br>$(3.25-9.25) \times (302.64+306.60) / 2$<br>$(0.00-3.25) \times (302.66+302.64) / 2$<br>$(-3.25-0.00) \times (302.64+302.66) / 2$<br>$(-10.19--3.25) \times (307.22+302.64) / 2$   | 2844.67<br>512.96<br>2106.19<br>95.13<br>349.67<br>61.32<br>-1827.72<br>-983.61<br>-983.61<br>-2116.21  | 31.83                |      |
| Sez64<br>1430.00    | A1   | $(-9.00--13.68) \times (306.91+306.94) / 2$<br>$(0.52--9.00) \times (306.91+306.91) / 2$<br>$(5.32-0.52) \times (306.71+306.91) / 2$<br>$(9.44-5.32) \times (306.54+306.71) / 2$<br>$(3.32-9.44) \times (302.50+306.54) / 2$<br>$(0.00-3.32) \times (302.50+302.50) / 2$<br>$(-6.95-0.00) \times (302.50+302.50) / 2$<br>$(-13.68--6.95) \times (306.94+302.50) / 2$   | 1436.41<br>2921.78<br>1472.69<br>1263.29<br>-1863.66<br>-1004.30<br>-2102.38<br>-2050.77  | 73.06                |      |
| Sez64<br>1430.00    | A2   | $(-32.40--41.15) \times (305.66+302.50) / 2$<br>$(-24.36--32.40) \times (306.37+305.66) / 2$<br>$(-30.22--24.36) \times (302.50+306.37) / 2$<br>$(-41.15--30.22) \times (302.50+302.50) / 2$   | 2660.70<br>2460.36<br>-1783.99<br>-3306.32  |                      |      |
| Sez65<br>1440.00    | A1   | $(-33.30--40.23) \times (304.91+302.50) / 2$<br>$(-31.51--33.30) \times (305.49+304.91) / 2$<br>$(-20.25--31.51) \times (306.14+305.49) / 2$<br>$(-16.28--20.25) \times (306.56+306.14) / 2$<br>$(-12.35--16.28) \times (306.60+306.56) / 2$<br>$(-2.34--12.35) \times (306.56+306.60) / 2$<br>$(2.27--2.34) \times (306.46+306.56) / 2$<br>$(7.81-2.27) \times (306.23+306.46) / 2$<br>$(10.58-7.81) \times (306.07+306.23) / 2$<br>$(5.17-10.58) \times (302.50+306.07) / 2$<br>$(0.00-5.17) \times (302.50+302.50) / 2$<br>$(-40.23-0.00) \times (302.50+302.50) / 2$   | 2104.68<br>546.31<br>3443.48<br>1216.21<br>1204.86<br>3068.87<br>1413.01<br>1697.15<br>848.04<br>-1646.18<br>-1563.92<br>-12169.57                                  | 30.75                |      |
| Sez66<br>1450.00    | A1   | $(-33.88--39.77) \times (304.39+302.50) / 2$<br>$(-32.22--33.88) \times (304.92+304.39) / 2$<br>$(-32.04--32.22) \times (304.94+304.92) / 2$<br>$(-21.07--32.04) \times (306.09+304.94) / 2$<br>$(-8.07--21.07) \times (306.20+306.09) / 2$<br>$(-6.66--8.07) \times (306.19+306.20) / 2$<br>$(-0.69--6.66) \times (306.04+306.19) / 2$<br>$(3.56--0.69) \times (305.94+306.04) / 2$<br>$(4.62-3.56) \times (305.92+305.94) / 2$<br>$(7.22-4.62) \times (305.77+305.92) / 2$<br>$(12.33-7.22) \times (305.52+305.77) / 2$<br>$(7.76-12.33) \times (302.50+305.52) / 2$<br>$(0.00-7.76) \times (302.50+302.50) / 2$   | 1787.29<br>505.73<br>54.89<br>3351.50<br>3979.88<br>431.73<br>1827.51<br>1300.46<br>324.29<br>795.20<br>1561.85<br>-1389.33<br>-2347.40                             | 162.94               |      |
| A RIPORTARE mq      |      |  | 12183.60  |                      |      |

## 7.d - Calcolo volumi sterro e riporto tracciato 7

|                         |      | CALCOLO DELLE AREE   | Foglio n. 6  |                      |      |
|-------------------------|------|--|--|----------------------|------|
| Sterro                  |      |  |  |                      |      |
| N. SEZIONE<br>PROG.     | FIG. | ELEMENTI DI CALCOLO  | AREA<br>ELEMENTARE<br>mq   | AREA<br>FIGURA<br>mq | NOTE |
| RIPORTO mq              |      |  | 12183.60   |                      |      |
| Sez67<br>1460.00        | A1   | $(-39.77-0.00) \times (302.50+302.50) / 2$<br>$(-30.17--38.16) \times (305.02+302.50) / 2$<br>$(-26.62--30.17) \times (305.44+305.02) / 2$<br>$(-23.11--26.62) \times (305.71+305.44) / 2$<br>$(-14.70--23.11) \times (305.85+305.71) / 2$<br>$(-2.66--14.70) \times (305.63+305.85) / 2$<br>$(-2.26--2.66) \times (305.63+305.63) / 2$<br>$(-2.14--2.26) \times (305.63+305.63) / 2$<br>$(-1.79--2.14) \times (305.62+305.63) / 2$<br>$(8.04--1.79) \times (305.36+305.62) / 2$<br>$(12.00-8.04) \times (305.13+305.36) / 2$<br>$(14.89-12.00) \times (304.95+305.13) / 2$<br>$(11.17-14.89) \times (302.50+304.95) / 2$<br>$(0.00-11.17) \times (302.50+302.50) / 2$<br>$(-38.16-0.00) \times (302.50+302.50) / 2$ | -12030.43<br>2427.04<br>1083.57<br>1072.57<br>2571.61<br>3681.11<br>122.25<br>36.68<br>106.97<br>3002.97<br>1208.77<br>881.57<br>-1129.86<br>-3378.93<br>-11543.40 | 153.17               |      |
| Sez68<br>1470.00        | A1   | $(-29.24--36.81) \times (304.67+302.50) / 2$<br>$(-22.02--29.24) \times (305.12+304.67) / 2$<br>$(-11.45--22.02) \times (305.47+305.12) / 2$<br>$(-8.00--11.45) \times (305.42+305.47) / 2$<br>$(-1.59--8.00) \times (305.28+305.42) / 2$<br>$(2.94--1.59) \times (305.15+305.28) / 2$<br>$(3.94-2.94) \times (305.11+305.15) / 2$<br>$(5.62-3.94) \times (305.01+305.11) / 2$<br>$(13.50-5.62) \times (304.54+305.01) / 2$<br>$(18.07-13.50) \times (304.23+304.54) / 2$<br>$(15.44-18.07) \times (302.50+304.23) / 2$<br>$(0.00-15.44) \times (302.50+302.50) / 2$<br>$(-36.81-0.00) \times (302.50+302.50) / 2$   | 2298.14<br>2201.34<br>3226.97<br>1053.79<br>1957.29<br>1382.62<br>305.13<br>512.50<br>2401.63<br>1391.04<br>-797.85<br>-4670.60<br>-11135.03                       | 142.92               |      |
| Sez69<br>1480.00        | A1   | $(-32.42--34.64) \times (303.11+302.50) / 2$<br>$(-29.87--32.42) \times (303.71+303.11) / 2$<br>$(-27.02--29.87) \times (304.11+303.71) / 2$<br>$(-14.29--27.02) \times (304.48+304.11) / 2$<br>$(-3.01--14.29) \times (304.70+304.48) / 2$<br>$(1.29--3.01) \times (304.58+304.70) / 2$<br>$(8.30-1.29) \times (304.24+304.58) / 2$<br>$(5.66-8.30) \times (302.50+304.24) / 2$<br>$(0.00-5.66) \times (302.50+302.50) / 2$<br>$(-34.64-0.00) \times (302.50+302.50) / 2$   | 672.23<br>773.70<br>866.14<br>3873.68<br>3435.78<br>1309.95<br>2133.91<br>-800.90<br>-1712.15<br>-10478.60   | 126.97               |      |
| Sez70<br>1492.22        | A1   | $(-3.11--11.44) \times (303.36+302.88) / 2$<br>$(-2.68--3.11) \times (303.37+303.36) / 2$<br>$(3.00--2.68) \times (303.22+303.37) / 2$<br>$(11.81-3.00) \times (303.12+303.22) / 2$<br>$(10.87-11.81) \times (302.50+303.12) / 2$<br>$(0.00-10.87) \times (302.50+302.50) / 2$<br>$(-10.87-0.00) \times (302.50+302.50) / 2$<br>$(-11.44--10.87) \times (302.88+302.50) / 2$   | 2524.99<br>130.45<br>1722.72<br>2670.93<br>-284.64<br>-3288.17<br>-3288.17<br>-172.53  | 73.74<br>15.58       |      |
| Il Direttore dei Lavori |      | L'Impresa  |  |                      |      |

## 7.d - Calcolo volumi sterro e riporto tracciato 7

|                  |      | CALCOLO DELLE AREE   | Foglio n. 7  |                |      |
|------------------|------|--|--|----------------|------|
| Riporto          |      |  |  |                |      |
| N. SEZIONE PROG. | FIG. | ELEMENTI DI CALCOLO  | AREA ELEMENTARE mq   | AREA FIGURA mq | NOTE |
| P3<br>0.00       | B1   | (-31.56--36.78) x (302.50+299.05) / 2<br>(-19.48--31.56) x (302.50+302.50) / 2<br>(-21.29--19.48) x (302.16+302.50) / 2<br>(-27.01--21.29) x (300.59+302.16) / 2<br>(-30.67--27.01) x (299.77+300.59) / 2<br>(-33.12--30.67) x (299.43+299.77) / 2<br>(-36.78--33.12) x (299.05+299.43) / 2  | 1570.05<br>3654.20<br>-547.22<br>-1723.87<br>-1098.66<br>-734.02<br>-1095.22   |                |      |
| P5<br>0.00       | B1   | (-27.82--30.60) x (302.50+300.63) / 2<br>(-16.23--27.82) x (302.50+302.50) / 2<br>(-16.81--16.23) x (302.49+302.50) / 2<br>(-26.21--16.81) x (301.34+302.49) / 2<br>(-30.60--26.21) x (300.63+301.34) / 2  | 838.35<br>3505.97<br>-175.45<br>-2838.00<br>-1321.32   | 25.26          |      |
| P5<br>0.00       | B2   | (35.05--13.40) x (302.50+302.50) / 2<br>(38.62--35.05) x (300.15+302.50) / 2<br>(35.80--38.62) x (300.06+300.15) / 2<br>(29.36--35.80) x (300.24+300.06) / 2<br>(22.98--29.36) x (300.21+300.24) / 2<br>(16.44--22.98) x (300.87+300.21) / 2<br>(12.19--16.44) x (301.03+300.87) / 2<br>(6.43--12.19) x (301.22+301.03) / 2<br>(0.58--6.43) x (301.72+301.22) / 2<br>(-10.01--0.58) x (302.12+301.72) / 2<br>(-13.40--10.01) x (302.50+302.12) / 2   | 14656.12<br>1075.73<br>-846.30<br>-1932.97<br>-1915.44<br>-1965.53<br>-1279.04<br>-1734.48<br>-1763.60<br>-3197.33<br>-1024.83                         | 9.55           |      |
| Sez1<br>0.00     | B1   | (-3.25--4.04) x (396.90+396.39) / 2<br>(-1.79--3.25) x (396.92+396.90) / 2<br>(-2.90--1.79) x (396.73+396.92) / 2<br>(-4.04--2.90) x (396.39+396.73) / 2   | 313.35<br>579.49<br>-440.48<br>-452.08   | 72.33          |      |
| Sez2<br>26.61    | B1   | (-3.25--7.89) x (395.07+392.01) / 2<br>(0.00--3.25) x (395.09+395.07) / 2<br>(3.25-0.00) x (395.07+395.09) / 2<br>(3.40-3.25) x (394.97+395.07) / 2<br>(1.10-3.40) x (394.99+394.97) / 2<br>(0.85-1.10) x (394.92+394.99) / 2<br>(-4.36-0.85) x (393.23+394.92) / 2<br>(-7.56--4.36) x (392.09+393.23) / 2<br>(-7.89--7.56) x (392.01+392.09) / 2  | 1826.03<br>1284.01<br>1284.01<br>59.25<br>-908.45<br>-98.74<br>-2053.13<br>-1256.51<br>-129.38   | 0.28           |      |
| Sez5<br>99.00    | B1   | (-3.25--3.73) x (390.07+389.75) / 2<br>(-1.98--3.25) x (390.08+390.07) / 2<br>(-3.73--1.98) x (389.75+390.08) / 2  | 187.16<br>495.40<br>-682.35  | 7.09           |      |
| Sez6<br>122.83   | B1   | (-3.25--3.96) x (388.43+387.96) / 2<br>(-0.83--3.25) x (388.45+388.43) / 2<br>(-3.96--0.83) x (387.96+388.45) / 2  | 275.62<br>940.02<br>-1215.08   | 0.21           |      |
| Sez7<br>137.22   | B1   | (0.00--2.48) x (387.46+387.44) / 2<br>(1.71-0.00) x (387.45+387.46) / 2<br>(1.57-1.71) x (387.40+387.45) / 2<br>(-0.34-1.57) x (387.42+387.40) / 2<br>(-1.74--0.34) x (387.38+387.42) / 2<br>(-2.48--1.74) x (387.44+387.38) / 2   | 960.88<br>662.55<br>-54.24<br>-739.95<br>-542.36<br>-286.68  | 0.56           |      |
| Sez9<br>183.78   | B1   | (0.00--0.87) x (383.99+383.98) / 2<br>(2.56-0.00) x (383.97+383.99) / 2<br>(2.41-2.56) x (383.93+383.97) / 2<br>(1.45-2.41) x (383.96+383.93) / 2<br>(-0.86-1.45) x (383.98+383.96) / 2<br>(-0.87--0.86) x (383.98+383.98) / 2   | 334.07<br>982.99<br>-57.59<br>-368.59<br>-886.97<br>-3.84  | 0.20           |      |
| Sez10<br>209.54  | B1   | (-3.25--4.02) x (381.98+381.47) / 2<br>(0.00--3.25) x (382.00+381.98) / 2<br>(3.25-0.00) x (381.98+382.00) / 2<br>(3.57-3.25) x (381.77+381.98) / 2<br>(2.40-3.57) x (381.28+381.77) / 2<br>(1.97-2.40) x (381.36+381.28) / 2<br>(-0.62-1.97) x (381.43+381.36) / 2<br>(-1.61--0.62) x (381.45+381.43) / 2<br>(-2.42--1.61) x (381.39+381.45) / 2<br>(-4.02--2.42) x (381.47+381.39) / 2   | 293.93<br>1241.47<br>1241.47<br>122.20<br>-446.38<br>-163.97<br>-987.81<br>-377.63<br>-308.95<br>-610.29   | 0.07           |      |
| Sez11<br>235.30  | B1   | (-3.25--6.32) x (379.99+377.97) / 2<br>(0.00--3.25) x (380.02+379.99) / 2<br>(3.25-0.00) x (379.99+380.02) / 2<br>(4.23-3.25) x (379.35+379.99) / 2<br>(1.73-4.23) x (379.12+379.35) / 2<br>(0.07-1.73) x (379.04+379.12) / 2<br>(-1.39-0.07) x (379.01+379.04) / 2<br>(-2.38--1.39) x (378.87+379.01) / 2<br>(-6.32--2.38) x (377.97+378.87) / 2  | 1163.47<br>1235.02<br>1235.02<br>372.08<br>-948.09<br>-629.27<br>-553.38<br>-375.15<br>-1490.97  | 8.73           |      |
| Sez12<br>263.60  | B1   | (-3.25--11.94) x (377.81+372.08) / 2<br>(0.00--3.25) x (377.84+377.81) / 2<br>(3.25-0.00) x (377.81+377.84) / 2<br>(6.21-3.25) x (375.86+377.81) / 2<br>(5.22-6.21) x (375.89+375.86) / 2<br>(3.17-5.22) x (376.11+375.89) / 2<br>(1.68-3.17) x (376.51+376.11) / 2<br>(0.56-1.68) x (376.51+376.51) / 2<br>(-1.80-0.56) x (376.49+376.51) / 2<br>(-2.54--1.80) x (376.35+376.49) / 2<br>(-3.39--2.54) x (376.47+376.35) / 2<br>(-5.87--3.39) x (374.65+376.47) / 2<br>(-11.91--5.87) x (372.09+374.65) / 2<br>(-11.94--11.91) x (372.08+372.09) / 2 | 3258.27<br>1227.93<br>1227.93<br>1115.43<br>-372.12<br>-770.80<br>-560.70<br>-421.69<br>-888.54<br>-278.55<br>-319.95<br>-931.39<br>-2255.15<br>-11.16 | 4.04           |      |
| Sez13<br>296.66  | B1   | (-3.25--9.14) x (375.26+371.38) / 2<br>(0.00--3.25) x (375.29+375.26) / 2<br>(3.25-0.00) x (375.26+375.29) / 2<br>(7.04-3.25) x (372.77+375.26) / 2<br>(4.94-7.04) x (373.21+372.77) / 2<br>(2.81-4.94) x (373.66+373.21) / 2<br>(1.18-2.81) x (374.23+373.66) / 2<br>(1.16-1.18) x (374.15+374.23) / 2  | 2198.85<br>1219.64<br>1219.64<br>1417.52<br>-783.28<br>-795.42<br>-609.53<br>-7.48   | 19.51          |      |
| A RIPORTARE mq   |      |  | 3859.94  |                |      |



## 7.d - Calcolo volumi sterro e riporto tracciato 7

|                     |      | CALCOLO DELLE AREE  | Foglio n. 8   |                      |      |
|---------------------|------|---|---|----------------------|------|
| Riporto             |      |   |   |                      |      |
| N. SEZIONE<br>PROG. | FIG. | ELEMENTI DI CALCOLO   | AREA<br>ELEMENTARE<br>mq  | AREA<br>FIGURA<br>mq | NOTE |
| RIPORTO mq          |      |   | 3859.94   |                      |      |
| Sez14<br>329.72     | B1   | $(-2.19-1.16) \times (374.21+374.15) / 2$<br>$(-2.40--2.19) \times (374.22+374.21) / 2$<br>$(-2.66--2.40) \times (374.20+374.22) / 2$<br>$(-3.18--2.66) \times (373.87+374.20) / 2$<br>$(-8.48--3.18) \times (371.55+373.87) / 2$<br>$(-9.14--8.48) \times (371.38+371.55) / 2$<br>$(-3.25--6.83) \times (372.72+370.36) / 2$<br>$(0.00--3.25) \times (372.74+372.72) / 2$<br>$(3.25-0.00) \times (372.72+372.74) / 2$<br>$(5.19-3.25) \times (371.44+372.72) / 2$<br>$(3.82-5.19) \times (371.70+371.44) / 2$<br>$(2.76-3.82) \times (371.91+371.70) / 2$<br>$(1.10-2.76) \times (372.15+371.91) / 2$<br>$(-0.29-1.10) \times (372.15+372.15) / 2$<br>$(-2.50--0.29) \times (372.09+372.15) / 2$<br>$(-3.53--2.50) \times (372.16+372.09) / 2$<br>$(-3.62--3.53) \times (372.10+372.16) / 2$<br>$(-3.79--3.62) \times (371.99+372.10) / 2$<br>$(-5.58--3.79) \times (370.75+371.99) / 2$<br>$(-6.83--5.58) \times (370.36+370.75) / 2$ | -1253.50<br>-78.59<br>-97.29<br>-194.50<br>-1975.36<br>-245.17<br>1330.11<br>1211.37<br>1211.37<br>721.84<br>-509.05<br>-394.11<br>-617.57<br>-517.29<br>-822.39<br>-383.29<br>-33.49<br>-63.25<br>-664.75<br>-463.19 | 15.53                |      |
| Sez15<br>360.00     | B1   | $(0.00--0.17) \times (370.42+370.42) / 2$<br>$(0.96-0.00) \times (370.42+370.42) / 2$<br>$(0.77-0.96) \times (370.34+370.42) / 2$<br>$(0.37-0.77) \times (370.38+370.34) / 2$<br>$(-0.17-0.37) \times (370.42+370.38) / 2$  | 62.97<br>355.60<br>-70.37<br>-148.14<br>-200.02   | 6.31                 |      |
| Sez16<br>390.00     | B1   | $(-3.25--3.55) \times (368.92+368.72) / 2$<br>$(-1.69--3.25) \times (368.93+368.92) / 2$<br>$(-2.08--1.69) \times (368.72+368.93) / 2$<br>$(-3.55--2.08) \times (368.72+368.72) / 2$  | 110.65<br>575.52<br>-143.84<br>-542.02  | 0.04                 |      |
| Sez17<br>420.00     | B1   | $(-3.25--4.04) \times (367.36+366.84) / 2$<br>$(-0.12--3.25) \times (367.39+367.36) / 2$<br>$(-0.87--0.12) \times (366.83+367.39) / 2$<br>$(-1.13--0.87) \times (366.61+366.83) / 2$<br>$(-1.19--1.13) \times (366.61+366.61) / 2$<br>$(-2.41--1.19) \times (366.83+366.61) / 2$<br>$(-4.04--2.41) \times (366.84+366.83) / 2$  | 290.01<br>1149.88<br>-275.33<br>-95.35<br>-22.00<br>-447.40<br>-597.94  | 0.31                 |      |
| Sez25<br>598.74     | B1   | $(-3.25--3.97) \times (346.40+345.93) / 2$<br>$(-2.10--3.25) \times (346.41+346.40) / 2$<br>$(-3.97--2.10) \times (345.93+346.41) / 2$  | 249.24<br>398.37<br>-647.34   | 1.87                 |      |
| Sez26<br>614.55     | B1   | $(-3.25--4.32) \times (344.54+343.84) / 2$<br>$(0.00--3.25) \times (344.57+344.54) / 2$<br>$(3.25-0.00) \times (344.54+344.57) / 2$<br>$(3.79-3.25) \times (344.18+344.54) / 2$<br>$(2.96-3.79) \times (344.19+344.18) / 2$<br>$(2.58-2.96) \times (344.20+344.19) / 2$<br>$(1.40-2.58) \times (344.18+344.20) / 2$<br>$(-0.94-1.40) \times (344.11+344.18) / 2$<br>$(-1.39--0.94) \times (344.18+344.11) / 2$<br>$(-1.70--1.39) \times (344.17+344.18) / 2$<br>$(-4.29--1.70) \times (343.84+344.17) / 2$<br>$(-4.32--4.29) \times (343.84+343.84) / 2$  | 368.28<br>1119.80<br>1119.80<br>185.95<br>-285.67<br>-130.79<br>-406.14<br>-805.30<br>-154.87<br>-106.69<br>-890.97<br>-10.32   | 0.27                 |      |
| Sez27<br>630.36     | B1   | $(-3.25--4.08) \times (342.68+342.13) / 2$<br>$(0.00--3.25) \times (342.70+342.68) / 2$<br>$(3.25-0.00) \times (342.68+342.70) / 2$<br>$(8.17-3.25) \times (339.44+342.68) / 2$<br>$(7.64-8.17) \times (339.67+339.44) / 2$<br>$(4.44-7.64) \times (340.73+339.67) / 2$<br>$(2.61-4.44) \times (341.87+340.73) / 2$<br>$(1.40-2.61) \times (341.97+341.87) / 2$<br>$(-0.52-1.40) \times (342.14+341.97) / 2$<br>$(-1.36--0.52) \times (342.22+342.14) / 2$<br>$(-3.09--1.36) \times (342.13+342.22) / 2$<br>$(-4.08--3.09) \times (342.13+342.13) / 2$  | 284.20<br>1113.74<br>1113.74<br>1678.02<br>-179.96<br>-1088.64<br>-624.58<br>-413.72<br>-656.75<br>-287.43<br>-591.96<br>-338.71  | 3.08                 |      |
| Sez28<br>645.88     | B1   | $(-3.25--4.40) \times (340.85+340.09) / 2$<br>$(0.00--3.25) \times (340.88+340.85) / 2$<br>$(3.25-0.00) \times (340.85+340.88) / 2$<br>$(5.11-3.25) \times (339.62+340.85) / 2$<br>$(4.98-5.11) \times (339.63+339.62) / 2$<br>$(1.81-4.98) \times (340.41+339.63) / 2$<br>$(-0.01-1.81) \times (340.51+340.41) / 2$<br>$(-1.55--0.01) \times (340.51+340.51) / 2$<br>$(-2.00--1.55) \times (340.56+340.51) / 2$<br>$(-3.15--2.00) \times (340.28+340.56) / 2$<br>$(-3.85--3.15) \times (340.19+340.28) / 2$<br>$(-4.40--3.85) \times (340.09+340.19) / 2$  | 391.54<br>1107.81<br>1107.81<br>632.84<br>-44.15<br>-1077.86<br>-619.64<br>-524.39<br>-153.24<br>-391.48<br>-238.16<br>-187.08  | 7.95                 |      |
| Sez29<br>657.53     | B1   | $(-3.25--4.09) \times (339.48+338.93) / 2$<br>$(0.00--3.25) \times (339.50+339.48) / 2$<br>$(3.25-0.00) \times (339.48+339.50) / 2$<br>$(3.95-3.25) \times (339.02+339.48) / 2$<br>$(-2.35-3.95) \times (339.09+339.02) / 2$<br>$(-3.10--2.35) \times (339.01+339.09) / 2$<br>$(-4.09--3.10) \times (338.93+339.01) / 2$  | 284.93<br>1103.34<br>1103.34<br>237.48<br>-2136.05<br>-254.29<br>-335.58  | 4.00                 |      |
| Sez30<br>669.19     | B1   | $(-3.25--3.90) \times (338.11+337.68) / 2$<br>$(0.00--3.25) \times (338.13+338.11) / 2$<br>$(3.25-0.00) \times (338.11+338.13) / 2$<br>$(3.74-3.25) \times (337.78+338.11) / 2$<br>$(1.90-3.74) \times (337.77+337.78) / 2$<br>$(1.58-1.90) \times (337.83+337.77) / 2$<br>$(1.13-1.58) \times (337.82+337.83) / 2$<br>$(-1.94-1.13) \times (337.75+337.82) / 2$<br>$(-3.90--1.94) \times (337.68+337.75) / 2$  | 219.63<br>1098.89<br>1098.89<br>165.59<br>-621.51<br>-108.10<br>-152.02<br>-1037.00<br>-661.92  | 3.17                 |      |
| Sez31<br>690.00     | B1   | $(-3.25--3.64) \times (335.65+335.40) / 2$<br>$(0.00--3.25) \times (335.68+335.65) / 2$<br>$(3.25-0.00) \times (335.65+335.68) / 2$   | 130.85<br>1090.91<br>1090.91  | 2.45                 |      |
| A RIPORTARE mq      |      |   | 2312.67   |                      |      |

## 7.d - Calcolo volumi sterro e riporto tracciato 7

|                     |      | CALCOLO DELLE AREE   | Foglio n. 9  |                      |      |
|---------------------|------|--|--|----------------------|------|
| Riporto             |      |  |  |                      |      |
| N. SEZIONE<br>PROG. | FIG. | ELEMENTI DI CALCOLO  | AREA<br>ELEMENTARE<br>mq   | AREA<br>FIGURA<br>mq | NOTE |
| RIPORTO mq          |      |  | 2312.67  |                      |      |
| Sez32<br>708.43     | B1   | $(7.36-3.25) \times (332.94+335.65) / 2$<br>$(5.34-7.36) \times (333.42+332.94) / 2$<br>$(1.56-5.34) \times (335.05+333.42) / 2$<br>$(-0.36-1.56) \times (335.14+335.05) / 2$<br>$(-1.96--0.36) \times (335.27+335.14) / 2$<br>$(-3.64--1.96) \times (335.40+335.27) / 2$  | 1373.95<br>-673.02<br>-1263.41<br>-643.38<br>-536.33<br>-563.36  | 7.12                 |      |
| Sez33<br>728.12     | B1   | $(-3.25--4.09) \times (333.48+332.93) / 2$<br>$(0.00--3.25) \times (333.51+333.48) / 2$<br>$(3.25-0.00) \times (333.48+333.51) / 2$<br>$(7.35-3.25) \times (330.78+333.48) / 2$<br>$(6.83-7.35) \times (330.88+330.78) / 2$<br>$(3.73-6.83) \times (332.22+330.88) / 2$<br>$(1.38-3.73) \times (332.59+332.22) / 2$<br>$(1.04-1.38) \times (332.67+332.59) / 2$<br>$(0.46-1.04) \times (332.71+332.67) / 2$<br>$(-2.34-0.46) \times (332.87+332.71) / 2$<br>$(-4.09--2.34) \times (332.93+332.87) / 2$   | 279.89<br>1083.86<br>1083.86<br>1361.73<br>-172.03<br>-1027.81<br>-781.15<br>-113.09<br>-192.96<br>-931.81<br>-582.57                                  | 7.92                 |      |
| Sez34<br>756.00     | B1   | $(-3.25--4.11) \times (331.17+330.60) / 2$<br>$(0.00--3.25) \times (331.19+331.17) / 2$<br>$(3.25-0.00) \times (331.17+331.19) / 2$<br>$(8.06-3.25) \times (327.99+331.17) / 2$<br>$(7.47-8.06) \times (327.94+327.99) / 2$<br>$(6.74-7.47) \times (328.42+327.94) / 2$<br>$(4.26-6.74) \times (329.92+328.42) / 2$<br>$(3.23-4.26) \times (330.07+329.92) / 2$<br>$(1.68-3.23) \times (330.55+330.07) / 2$<br>$(1.67-1.68) \times (330.54+330.55) / 2$<br>$(1.33-1.67) \times (330.56+330.54) / 2$<br>$(-1.10-1.33) \times (330.36+330.56) / 2$<br>$(-2.83--1.10) \times (330.46+330.36) / 2$<br>$(-4.11--2.83) \times (330.60+330.46) / 2$     | 284.56<br>1076.34<br>1076.34<br>1585.28<br>-193.50<br>-239.57<br>-816.34<br>-339.89<br>-511.98<br>-3.31<br>-112.39<br>-803.02<br>-571.61<br>-423.08    | 7.83                 |      |
| Sez35<br>784.00     | B1   | $(-3.25--3.73) \times (327.88+327.56) / 2$<br>$(0.00--3.25) \times (327.91+327.88) / 2$<br>$(3.25-0.00) \times (327.88+327.91) / 2$<br>$(7.43-3.25) \times (325.12+327.88) / 2$<br>$(3.31-7.43) \times (325.82+325.12) / 2$<br>$(1.80-3.31) \times (326.50+325.82) / 2$<br>$(1.18-1.80) \times (326.84+326.50) / 2$<br>$(0.16-1.18) \times (327.22+326.84) / 2$<br>$(-1.51-0.16) \times (327.31+327.22) / 2$<br>$(-2.98--1.51) \times (327.40+327.31) / 2$<br>$(-3.73--2.98) \times (327.56+327.40) / 2$   | 157.31<br>1065.66<br>1065.66<br>1364.77<br>-1340.94<br>-492.50<br>-202.54<br>-333.57<br>-546.53<br>-481.21<br>-245.61                                  | 10.50                |      |
| Sez36<br>812.20     | B1   | $(-3.25--10.22) \times (324.64+320.05) / 2$<br>$(0.00--3.25) \times (324.67+324.64) / 2$<br>$(3.25-0.00) \times (324.64+324.67) / 2$<br>$(4.42-3.25) \times (323.87+324.64) / 2$<br>$(3.39-4.42) \times (324.06+323.87) / 2$<br>$(2.71-3.39) \times (324.21+324.06) / 2$<br>$(1.89-2.71) \times (324.53+324.21) / 2$<br>$(1.57-1.89) \times (324.63+324.53) / 2$<br>$(0.96-1.57) \times (324.64+324.63) / 2$<br>$(0.01-0.96) \times (324.61+324.64) / 2$<br>$(-1.74-0.01) \times (324.58+324.61) / 2$<br>$(-2.57--1.74) \times (324.15+324.58) / 2$<br>$(-7.74--2.57) \times (321.16+324.15) / 2$<br>$(-10.22--7.74) \times (320.05+321.16) / 2$ | 2246.74<br>1055.13<br>1055.13<br>379.38<br>-333.68<br>-220.41<br>-265.98<br>-103.87<br>-198.03<br>-308.39<br>-568.04<br>-269.22<br>-1668.13<br>-795.10 | 5.53                 |      |
| Sez37<br>828.36     | B1   | $(-3.25--4.53) \times (322.85+322.00) / 2$<br>$(0.00--3.25) \times (322.87+322.85) / 2$<br>$(3.09-0.00) \times (322.85+322.87) / 2$<br>$(2.21-3.09) \times (322.57+322.85) / 2$<br>$(1.84-2.21) \times (322.73+322.57) / 2$<br>$(1.82-1.84) \times (322.68+322.73) / 2$<br>$(1.10-1.82) \times (322.68+322.68) / 2$<br>$(-1.65-1.10) \times (322.71+322.68) / 2$<br>$(-3.05--1.65) \times (322.33+322.71) / 2$<br>$(-4.53--3.05) \times (322.00+322.33) / 2$   | 412.70<br>1049.30<br>997.64<br>-283.98<br>-119.38<br>-6.45<br>-232.33<br>-887.41<br>-451.53<br>-476.80   | 1.76                 |      |
| Sez38<br>844.53     | B1   | $(0.00--1.60) \times (321.88+321.87) / 2$<br>$(3.25-0.00) \times (321.85+321.88) / 2$<br>$(3.27-3.25) \times (321.84+321.85) / 2$<br>$(2.47-3.27) \times (321.49+321.84) / 2$<br>$(0.56-2.47) \times (321.80+321.49) / 2$<br>$(-0.80-0.56) \times (321.85+321.80) / 2$<br>$(-1.60--0.80) \times (321.87+321.85) / 2$   | 515.00<br>1046.06<br>6.44<br>-257.33<br>-614.34<br>-437.68<br>-257.49  | 0.66                 |      |
| Sez38<br>844.53     | B2   | $(-0.52--1.74) \times (320.88+320.87) / 2$<br>$(-1.69--0.52) \times (320.83+320.88) / 2$<br>$(-1.74--1.69) \times (320.87+320.83) / 2$   | 391.47<br>-375.40<br>-16.04  | 0.03                 |      |
| Sez38<br>844.53     | B2   | $(2.32-1.83) \times (320.86+320.87) / 2$<br>$(2.10-2.32) \times (320.72+320.86) / 2$<br>$(1.83-2.10) \times (320.87+320.72) / 2$   | 157.22<br>-70.57<br>-86.61   | 0.04                 |      |
| Sez39<br>847.21     | B1   | $(0.00--1.75) \times (320.72+320.70) / 2$<br>$(0.79-0.00) \times (320.71+320.72) / 2$<br>$(-1.63-0.79) \times (320.62+320.71) / 2$<br>$(-1.75--1.63) \times (320.70+320.62) / 2$   | 561.24<br>253.36<br>-776.01<br>-38.48  | 0.11                 |      |
| Sez39<br>847.21     | B2   | $(2.85-2.01) \times (320.70+320.70) / 2$<br>$(2.53-2.85) \times (320.49+320.70) / 2$<br>$(2.27-2.53) \times (320.56+320.49) / 2$<br>$(2.01-2.27) \times (320.70+320.56) / 2$   | 269.39<br>-102.59<br>-83.34<br>-83.36  | 0.10                 |      |
| Sez40<br>865.26     | B1   | $(0.00--2.47) \times (319.61+319.59) / 2$<br>$(3.25-0.00) \times (319.58+319.61) / 2$<br>$(6.55-3.25) \times (317.40+319.58) / 2$<br>$(4.89-6.55) \times (318.00+317.40) / 2$<br>$(2.14-4.89) \times (319.15+318.00) / 2$<br>$(0.72-2.14) \times (319.10+319.15) / 2$<br>$(-1.29-0.72) \times (319.04+319.10) / 2$   | 789.41<br>1038.68<br>1051.02<br>-527.38<br>-876.08<br>-453.16<br>-641.33   |                      |      |
| A RIPORTARE mq      |      |  | 381.16   |                      |      |

## 7.d - Calcolo volumi sterro e riporto tracciato 7

|                                 |          | CALCOLO DELLE AREE              | Foglio n. 10             |                      |      |      |  |  |  |
|---------------------------------|----------|---------------------------------|--------------------------|----------------------|------|------|--|--|--|
| Riporto                         |          |                                 |                          |                      |      |      |  |  |  |
| N. SEZIONE<br>PROG.             | FIG.     | ELEMENTI DI CALCOLO             | AREA<br>ELEMENTARE<br>mq | AREA<br>FIGURA<br>mq | NOTE |      |  |  |  |
| RIPORTO mq                      |          |                                 | 381.16                   |                      |      |      |  |  |  |
| Sez41<br>883.30                 | B1       | (-1.89--1.29)x(319.11+319.04)/2 | -191.44                  | 4.50                 |      |      |  |  |  |
|                                 |          | (-2.47--1.89)x(319.59+319.11)/2 | -185.22                  |                      |      |      |  |  |  |
|                                 |          | (0.00--2.95)x(318.49+318.47)/2  | 939.52                   |                      |      |      |  |  |  |
|                                 |          | (3.25-0.00)x(318.47+318.49)/2   | 1035.06                  |                      |      |      |  |  |  |
|                                 |          | (12.34-3.25)x(312.47+318.47)/2  | 2867.62                  |                      |      |      |  |  |  |
|                                 |          | (12.50-12.34)x(312.37+312.47)/2 | 49.99                    |                      |      |      |  |  |  |
|                                 |          | (11.08-12.50)x(312.68+312.37)/2 | -443.79                  |                      |      |      |  |  |  |
|                                 |          | (8.85-11.08)x(313.59+312.68)/2  | -698.29                  |                      |      |      |  |  |  |
|                                 |          | (7.01-8.85)x(314.78+313.59)/2   | -578.10                  |                      |      |      |  |  |  |
|                                 |          | (6.17-7.01)x(315.31+314.78)/2   | -264.64                  |                      |      |      |  |  |  |
|                                 |          | (5.53-6.17)x(315.74+315.31)/2   | -201.94                  |                      |      |      |  |  |  |
|                                 |          | (3.94-5.53)x(316.64+315.74)/2   | -502.74                  |                      |      |      |  |  |  |
|                                 |          | (1.60-3.94)x(317.75+316.64)/2   | -742.24                  |                      |      |      |  |  |  |
| (-0.71-1.60)x(317.72+317.75)/2  | -733.97  |                                 |                          |                      |      |      |  |  |  |
| (-1.56--0.71)x(317.68+317.72)/2 | -270.05  |                                 |                          |                      |      |      |  |  |  |
| (-2.43--1.56)x(318.01+317.68)/2 | -276.53  |                                 |                          |                      |      |      |  |  |  |
| (-2.95--2.43)x(318.47+318.01)/2 | -165.48  |                                 |                          |                      |      |      |  |  |  |
| Sez42<br>910.00                 | B1       | (-3.25--3.35)x(316.82+316.76)/2 | 31.68                    | 14.42                |      |      |  |  |  |
|                                 |          | (0.00--3.25)x(316.85+316.82)/2  | 1029.71                  |                      |      |      |  |  |  |
|                                 |          | (3.25-0.00)x(316.82+316.85)/2   | 1029.71                  |                      |      |      |  |  |  |
|                                 |          | (4.39-3.25)x(316.07+316.82)/2   | 360.75                   |                      |      |      |  |  |  |
|                                 |          | (2.54-4.39)x(316.14+316.07)/2   | -584.79                  |                      |      |      |  |  |  |
|                                 |          | (2.40-2.54)x(316.15+316.14)/2   | -44.26                   |                      |      |      |  |  |  |
|                                 |          | (2.33-2.40)x(316.15+316.15)/2   | -22.13                   |                      |      |      |  |  |  |
|                                 |          | (-0.85-2.33)x(316.06+316.15)/2  | -1005.21                 |                      |      |      |  |  |  |
|                                 |          | (-3.35--0.85)x(316.76+316.06)/2 | -791.02                  |                      |      |      |  |  |  |
|                                 |          | (-3.25--5.26)x(315.16+313.83)/2 | 632.13                   |                      |      |      |  |  |  |
|                                 |          | (0.00--3.25)x(315.19+315.16)/2  | 1024.32                  |                      |      |      |  |  |  |
|                                 |          | (3.25-0.00)x(315.16+315.19)/2   | 1024.32                  |                      |      |      |  |  |  |
|                                 |          | (4.64-3.25)x(314.25+315.16)/2   | 437.44                   |                      |      |      |  |  |  |
| (3.90-4.64)x(314.21+314.25)/2   | -232.53  |                                 |                          |                      |      |      |  |  |  |
| (2.74-3.90)x(314.18+314.21)/2   | -364.47  |                                 |                          |                      |      |      |  |  |  |
| (2.16-2.74)x(314.23+314.18)/2   | -182.24  |                                 |                          |                      |      |      |  |  |  |
| (0.38-2.16)x(314.22+314.23)/2   | -559.32  |                                 |                          |                      |      |      |  |  |  |
| (-1.01-0.38)x(314.22+314.22)/2  | -436.77  |                                 |                          |                      |      |      |  |  |  |
| (-2.50--1.01)x(314.04+314.22)/2 | -468.05  |                                 |                          |                      |      |      |  |  |  |
| (-4.02--2.50)x(313.93+314.04)/2 | -477.26  |                                 |                          |                      |      |      |  |  |  |
| (-5.26--4.02)x(313.83+313.93)/2 | -389.21  |                                 |                          |                      |      |      |  |  |  |
| Sez43<br>937.00                 | B1       | (-3.25--5.04)x(313.50+312.32)/2 | 560.11                   | 8.36                 |      |      |  |  |  |
|                                 |          | (0.00--3.25)x(313.53+313.50)/2  | 1018.92                  |                      |      |      |  |  |  |
|                                 |          | (3.25-0.00)x(313.50+313.53)/2   | 1018.92                  |                      |      |      |  |  |  |
|                                 |          | (6.35-3.25)x(311.46+313.50)/2   | 968.69                   |                      |      |      |  |  |  |
|                                 |          | (4.78-6.35)x(311.91+311.46)/2   | -489.35                  |                      |      |      |  |  |  |
|                                 |          | (1.86-4.78)x(312.24+311.91)/2   | -911.26                  |                      |      |      |  |  |  |
|                                 |          | (1.82-1.86)x(312.25+312.24)/2   | -12.49                   |                      |      |      |  |  |  |
|                                 |          | (1.81-1.82)x(312.25+312.25)/2   | -3.12                    |                      |      |      |  |  |  |
|                                 |          | (-0.87-1.81)x(312.28+312.25)/2  | -836.87                  |                      |      |      |  |  |  |
|                                 |          | (-1.24--0.87)x(312.28+312.28)/2 | -115.54                  |                      |      |      |  |  |  |
|                                 |          | (-1.25--1.24)x(312.28+312.28)/2 | -3.12                    |                      |      |      |  |  |  |
|                                 |          | (-4.09--1.25)x(312.33+312.28)/2 | -886.95                  |                      |      |      |  |  |  |
|                                 |          | (-5.04--4.09)x(312.32+312.33)/2 | -296.71                  |                      |      |      |  |  |  |
| Sez44<br>964.00                 | B1       | (-3.25--4.01)x(311.80+311.30)/2 | 236.78                   | 11.23                |      |      |  |  |  |
|                                 |          | (0.00--3.25)x(311.82+311.80)/2  | 1013.38                  |                      |      |      |  |  |  |
|                                 |          | (3.25-0.00)x(311.80+311.82)/2   | 1013.38                  |                      |      |      |  |  |  |
|                                 |          | (5.40-3.25)x(310.38+311.80)/2   | 668.84                   |                      |      |      |  |  |  |
|                                 |          | (2.89-5.40)x(310.73+310.38)/2   | -779.49                  |                      |      |      |  |  |  |
|                                 |          | (1.85-2.89)x(310.84+310.73)/2   | -323.22                  |                      |      |      |  |  |  |
|                                 |          | (-0.63-1.85)x(310.91+310.84)/2  | -770.97                  |                      |      |      |  |  |  |
|                                 |          | (-1.07--0.63)x(310.92+310.91)/2 | -136.80                  |                      |      |      |  |  |  |
|                                 |          | (-3.81--1.07)x(311.28+310.92)/2 | -852.41                  |                      |      |      |  |  |  |
|                                 |          | (-4.01--3.81)x(311.30+311.28)/2 | -62.26                   |                      |      |      |  |  |  |
|                                 |          | (0.00--1.00)x(310.42+310.41)/2  | 310.42                   |                      |      | 7.23 |  |  |  |
|                                 |          | (1.99-0.00)x(310.40+310.42)/2   | 617.72                   |                      |      |      |  |  |  |
|                                 |          | (1.88-1.99)x(310.33+310.40)/2   | -34.14                   |                      |      |      |  |  |  |
| (0.87-1.88)x(310.34+310.33)/2   | -313.44  |                                 |                          |                      |      |      |  |  |  |
| (-0.82-0.87)x(310.37+310.34)/2  | -524.50  |                                 |                          |                      |      |      |  |  |  |
| (-1.00--0.82)x(310.41+310.37)/2 | -55.87   |                                 |                          |                      |      |      |  |  |  |
| (-3.25--4.60)x(310.23+309.34)/2 | 418.21   | 0.19                            |                          |                      |      |      |  |  |  |
| (0.00--3.25)x(310.26+310.23)/2  | 1008.30  |                                 |                          |                      |      |      |  |  |  |
| (1.89-0.00)x(310.24+310.26)/2   | 586.37   |                                 |                          |                      |      |      |  |  |  |
| (1.52-1.89)x(310.11+310.24)/2   | -114.76  |                                 |                          |                      |      |      |  |  |  |
| (-1.24-1.52)x(310.13+310.11)/2  | -855.93  |                                 |                          |                      |      |      |  |  |  |
| (-1.25--1.24)x(310.13+310.13)/2 | -3.10    |                                 |                          |                      |      |      |  |  |  |
| (-1.26--1.25)x(310.13+310.13)/2 | -3.10    |                                 |                          |                      |      |      |  |  |  |
| (-1.32--1.26)x(310.11+310.13)/2 | -18.61   |                                 |                          |                      |      |      |  |  |  |
| (-4.60--1.32)x(309.34+310.11)/2 | -1015.90 |                                 |                          |                      |      |      |  |  |  |
| (-3.25--5.03)x(310.13+308.95)/2 | 550.98   |                                 |                          | 1.48                 |      |      |  |  |  |
| (0.00--3.25)x(310.15+310.13)/2  | 1007.95  |                                 |                          |                      |      |      |  |  |  |
| (2.23-0.00)x(310.13+310.15)/2   | 691.61   |                                 |                          |                      |      |      |  |  |  |
| (2.05-2.23)x(310.07+310.13)/2   | -55.82   |                                 |                          |                      |      |      |  |  |  |
| (1.90-2.05)x(310.02+310.07)/2   | -46.51   |                                 |                          |                      |      |      |  |  |  |
| (1.34-1.90)x(310.00+310.02)/2   | -173.61  |                                 |                          |                      |      |      |  |  |  |
| (-0.67-1.34)x(309.90+310.00)/2  | -623.00  |                                 |                          |                      |      |      |  |  |  |
| (-0.70--0.67)x(309.92+309.90)/2 | -9.30    |                                 |                          |                      |      |      |  |  |  |
| (-2.30--0.70)x(309.80+309.92)/2 | -495.78  |                                 |                          |                      |      |      |  |  |  |
| (-5.03--2.30)x(308.95+309.80)/2 | -844.59  |                                 |                          |                      |      |      |  |  |  |
| Sez48<br>1065.00                | B1       | (-3.25--5.08)x(310.01+308.80)/2 | 566.21                   |                      |      | 1.93 |  |  |  |
|                                 |          | (0.00--3.25)x(310.04+310.01)/2  | 1007.58                  |                      |      |      |  |  |  |
|                                 |          | (3.25-0.00)x(310.01+310.04)/2   | 1007.58                  |                      |      |      |  |  |  |
|                                 |          | (4.13-3.25)x(309.43+310.01)/2   | 272.55                   |                      |      |      |  |  |  |
|                                 |          | (2.08-4.13)x(309.43+309.43)/2   | -634.33                  |                      |      |      |  |  |  |
|                                 |          | (0.32-2.08)x(309.44+309.43)/2   | -544.61                  |                      |      |      |  |  |  |
|                                 |          | (-1.00-0.32)x(309.40+309.44)/2  | -408.43                  |                      |      |      |  |  |  |
|                                 |          | (-1.91--1.00)x(309.40+309.40)/2 | -281.55                  |                      |      |      |  |  |  |
|                                 |          | (-3.34--1.91)x(309.04+309.40)/2 | -442.18                  |                      |      |      |  |  |  |
|                                 |          | (-5.08--3.34)x(308.80+309.04)/2 | -537.52                  |                      |      |      |  |  |  |
|                                 |          | A RIPORTARE mq                  |                          |                      | 5.30 |      |  |  |  |

## 7.d - Calcolo volumi sterro e riporto tracciato 7

|                     |      | CALCOLO DELLE AREE   | Foglio n. 11   |                      |      |
|---------------------|------|--|--|----------------------|------|
| Riporto             |      |  |  |                      |      |
| N. SEZIONE<br>PROG. | FIG. | ELEMENTI DI CALCOLO  | AREA<br>ELEMENTARE<br>mq   | AREA<br>FIGURA<br>mq | NOTE |
| RIPORTO mq          |      |  | 5.30   |                      |      |
| Sez50<br>1118.00    | B1   | (-3.25--11.73)x(309.91+304.31)/2<br>(0.00--3.25)x(309.93+309.91)/2<br>(3.25-0.00)x(309.91+309.93)/2<br>(4.40-3.25)x(309.15+309.91)/2<br>(1.65-4.40)x(309.03+309.15)/2<br>(0.29-1.65)x(308.97+309.03)/2<br>(-1.19-0.29)x(308.95+308.97)/2<br>(-6.04--1.19)x(306.65+308.95)/2<br>(-8.64--6.04)x(305.52+306.65)/2<br>(-11.37--8.64)x(304.42+305.52)/2<br>(-11.73--11.37)x(304.31+304.42)/2  | 2604.29<br>1007.24<br>1007.24<br>355.96<br>-850.00<br>-420.24<br>-457.26<br>-1492.83<br>-795.82<br>-832.57<br>-109.57                              | 5.30                 |      |
| Sez51<br>1144.00    | B1   | (-3.25--4.52)x(309.80+308.96)/2<br>(0.00--3.25)x(309.82+309.80)/2<br>(3.25-0.00)x(309.80+309.82)/2<br>(4.14-3.25)x(309.21+309.80)/2<br>(2.10-4.14)x(309.11+309.21)/2<br>(1.99-2.10)x(309.14+309.11)/2<br>(-0.40-1.99)x(309.08+309.14)/2<br>(-0.93--0.40)x(309.10+309.08)/2<br>(-2.53--0.93)x(309.31+309.10)/2<br>(-3.53--2.53)x(309.16+309.31)/2<br>(-4.52--3.53)x(308.96+309.16)/2  | 392.91<br>1006.88<br>1006.88<br>275.46<br>-630.69<br>-34.00<br>-738.77<br>-163.82<br>-494.73<br>-309.24<br>-305.97                                 | 16.44                |      |
| Sez52<br>1171.32    | B1   | (-3.25--5.63)x(309.69+308.12)/2<br>(0.00--3.25)x(309.71+309.69)/2<br>(3.25-0.00)x(309.69+309.71)/2<br>(4.18-3.25)x(309.08+309.69)/2<br>(1.27-4.18)x(309.25+309.08)/2<br>(1.24-1.27)x(309.27+309.25)/2<br>(0.75-1.24)x(309.26+309.27)/2<br>(-1.42-0.75)x(309.16+309.26)/2<br>(-3.51--1.42)x(308.58+309.16)/2<br>(-4.72--3.51)x(308.26+308.58)/2<br>(-5.55--4.72)x(308.13+308.26)/2<br>(-5.63--5.55)x(308.12+308.13)/2   | 735.19<br>1006.52<br>1006.52<br>287.73<br>-899.67<br>-9.28<br>-151.54<br>-670.99<br>-645.54<br>-373.19<br>-255.80<br>-24.65                        | 4.91                 |      |
| Sez53<br>1188.68    | B1   | (-3.25--4.90)x(309.61+308.53)/2<br>(0.00--3.25)x(309.64+309.61)/2<br>(3.25-0.00)x(309.61+309.64)/2<br>(4.05-3.25)x(309.09+309.61)/2<br>(3.80-4.05)x(309.10+309.09)/2<br>(3.00-3.80)x(309.14+309.10)/2<br>(1.63-3.00)x(309.32+309.14)/2<br>(1.07-1.63)x(309.32+309.32)/2<br>(-0.45-1.07)x(309.31+309.32)/2<br>(-1.64--0.45)x(309.27+309.31)/2<br>(-2.54--1.64)x(309.09+309.27)/2<br>(-4.23--2.54)x(308.61+309.09)/2<br>(-4.52--4.23)x(308.58+308.61)/2<br>(-4.90--4.52)x(308.53+308.58)/2 | 509.97<br>1006.28<br>1006.28<br>247.48<br>-77.27<br>-247.30<br>-423.65<br>-173.22<br>-470.16<br>-368.06<br>-278.26<br>-521.96<br>-89.49<br>-117.25 | 5.30                 |      |
| Sez54<br>1206.03    | B1   | (-3.25--3.82)x(309.54+309.17)/2<br>(0.00--3.25)x(309.57+309.54)/2<br>(0.04-0.00)x(309.57+309.57)/2<br>(-1.61-0.04)x(309.46+309.57)/2<br>(-3.82--1.61)x(309.17+309.46)/2  | 176.33<br>1006.05<br>12.38<br>-510.70<br>-683.59   | 3.39                 |      |
| Sez55<br>1230.00    | B1   | (-3.25--3.41)x(309.76+309.65)/2<br>(-2.15--3.25)x(309.77+309.76)/2<br>(-3.02--2.15)x(309.68+309.77)/2<br>(-3.41--3.02)x(309.65+309.68)/2   | 49.55<br>340.74<br>-269.46<br>-120.77  | 0.47                 |      |
| Sez55<br>1230.00    | B2   | (3.25-1.07)x(309.76+309.78)/2<br>(3.60-3.25)x(309.53+309.76)/2<br>(1.07-3.60)x(309.78+309.53)/2  | 675.30<br>108.38<br>-783.43  | 0.06                 |      |
| Sez57<br>1290.00    | B1   | (-3.25--3.27)x(310.30+310.29)/2<br>(-0.74--3.25)x(310.32+310.30)/2<br>(-0.99--0.74)x(310.29+310.32)/2<br>(-1.20--0.99)x(310.29+310.29)/2<br>(-3.27--1.20)x(310.29+310.29)/2  | 6.21<br>778.88<br>-77.58<br>-65.16<br>-642.30  | 0.25                 |      |
| Sez63<br>1420.00    | B1   | (-48.10--56.35)x(302.50+297.06)/2<br>(-41.72--48.10)x(302.50+302.50)/2<br>(-44.09--41.72)x(301.59+302.50)/2<br>(-56.35--44.09)x(297.06+301.59)/2   | 2473.18<br>1929.95<br>-715.85<br>-3669.72  | 0.05                 |      |
| Sez64<br>1430.00    | B1   | (-47.35--54.88)x(302.50+297.53)/2<br>(-41.15--47.35)x(302.50+302.50)/2<br>(-53.11--41.15)x(298.18+302.50)/2<br>(-54.88--53.11)x(297.53+298.18)/2   | 2259.11<br>1875.50<br>-3592.07<br>-527.20  | 17.56                |      |
| Sez65<br>1440.00    | B1   | (-46.12--52.66)x(302.50+298.18)/2<br>(-40.23--46.12)x(302.50+302.50)/2<br>(-52.66--40.23)x(298.18+302.50)/2  | 1964.22<br>1781.73<br>-3733.23   | 15.34                |      |
| Sez66<br>1450.00    | B1   | (-44.38--48.75)x(302.50+299.62)/2<br>(-39.77--44.38)x(302.50+302.50)/2<br>(-48.75--39.77)x(299.62+302.50)/2  | 1315.63<br>1394.52<br>-2703.52   | 12.72                |      |
| Sez67<br>1460.00    | B1   | (-42.10--45.62)x(302.50+300.18)/2<br>(-38.16--42.10)x(302.50+302.50)/2<br>(-41.31--38.16)x(301.51+302.50)/2<br>(-45.62--41.31)x(300.18+301.51)/2   | 1060.72<br>1191.85<br>-951.32<br>-1296.64  | 6.63                 |      |
| Sez68<br>1470.00    | B1   | (-39.09--40.84)x(302.50+301.35)/2<br>(-36.81--39.09)x(302.50+302.50)/2<br>(-40.84--36.81)x(301.35+302.50)/2  | 528.37<br>689.70<br>-1216.76   | 4.61                 |      |
| Sez70<br>1492.22    | B1   | (-29.60--31.74)x(302.50+301.09)/2<br>(-24.99--29.60)x(302.50+302.50)/2<br>(-24.33--24.99)x(302.06+302.50)/2<br>(-29.10--24.33)x(301.46+302.06)/2   | 645.84<br>1394.53<br>199.50<br>-1439.40  | 1.31                 |      |
| A RIPORTARE mq      |      |  | 800.47   |                      |      |

## 7.d - Calcolo volumi sterro e riporto tracciato 7

|                     |      | CALCOLO DELLE AREE                           |                          |                      | Foglio n. 12 |  |  |  |
|---------------------|------|--|--------------------------|----------------------|--------------|--|--|--|
| Riporto             |      |  |                          |                      |              |  |  |  |
| N. SEZIONE<br>PROG. | FIG. | ELEMENTI DI CALCOLO                          | AREA<br>ELEMENTARE<br>mq | AREA<br>FIGURA<br>mq | NOTE         |  |  |  |
| RIPORTO mq          |      |  | 800.47                   |                      |              |  |  |  |
| Sez71<br>1500.00    | B1   | $(-31.74--29.10) \times (301.09+301.46) / 2$ | -795.37                  | 5.10                 |              |  |  |  |
|                     |      | $(-7.56--10.41) \times (302.50+300.62) / 2$  | 859.45                   |                      |              |  |  |  |
|                     |      | $(0.00--7.56) \times (302.50+302.50) / 2$    | 2286.90                  |                      |              |  |  |  |
|                     |      | $(7.24-0.00) \times (302.50+302.50) / 2$     | 2190.10                  |                      |              |  |  |  |
|                     |      | $(7.81-7.24) \times (302.12+302.50) / 2$     | 172.32                   |                      |              |  |  |  |
|                     |      | $(6.94-7.81) \times (302.09+302.12) / 2$     | -262.83                  |                      |              |  |  |  |
|                     |      | $(5.48-6.94) \times (302.11+302.09) / 2$     | -441.07                  |                      |              |  |  |  |
|                     |      | $(4.79-5.48) \times (302.13+302.11) / 2$     | -208.46                  |                      |              |  |  |  |
|                     |      | $(-6.23-4.79) \times (300.84+302.13) / 2$    | -3322.36                 |                      |              |  |  |  |
|                     |      | $(-10.41--6.23) \times (300.62+300.84) / 2$  | -1257.05                 | 17.00                |              |  |  |  |
|                     |      | Il Direttore dei Lavori                      |                          | L'Impresa            |              |  |  |  |

## 7.d - Calcolo volumi sterro e riporto tracciato 7

|                        |                      | COMPUTO DEI VOLUMI                                 |                                  |  |  | Foglio n. 13                                 |  |                        |        |
|------------------------|----------------------|--|----------------------------------|--|--|--|--|------------------------|--------|
| Sterro                 |                      |  |                                  |  |  |  |  |                        |        |
| DALLA SEZ.<br>DA PROG. | ALLA SEZ.<br>A PROG. | SEZIONE  | FIGURA                           | AREA   | DISTANZA<br>SEZIONI<br>m                     | DISTANZA<br>DI CALCOLO<br>m                  | VOLUME<br>PARZIALE<br>mc                     | VOLUME<br>TOTALE<br>mc |        |
| Sez1<br>0.00           | Sez2<br>26.61        | Sez1<br>Sez1                                       | A1<br>A2                         | 0.03<br>0.37                                 | 26.61<br>26.61                               | 13.30<br>13.30                               | 0.40<br>4.92                                 |                        | 5.32   |
| Sez2                   | Sez3                 | Sez3   | A1                               | 3.01   | 25.56  | 12.78  | 38.47  |                        | 38.47  |
| Sez3<br>52.17          | Sez4<br>75.00        | Sez3<br>Sez4                                       | A1<br>A1                         | 3.01<br>4.10                                 | 22.83<br>22.83                               | 11.41<br>11.41                               | 34.34<br>46.78                               |                        | 81.12  |
| Sez4<br>75.00          | Sez5<br>99.00        | Sez4<br>Sez5                                       | A1<br>A1                         | 4.10<br>1.45                                 | 24.00<br>24.00                               | 12.00<br>12.00                               | 49.20<br>17.40                               |                        | 66.60  |
| Sez5<br>99.00          | Sez6<br>122.83       | Sez5<br>Sez6                                       | A1<br>A1                         | 1.45<br>0.50                                 | 23.83<br>23.83                               | 11.91<br>11.91                               | 17.27<br>5.96                                |                        | 23.23  |
| Sez6<br>122.83         | Sez7<br>137.22       | Sez6<br>Sez7<br>Sez7                               | A1<br>A1<br>A2                   | 0.50<br>0.03<br>0.95                         | 14.39<br>14.39<br>14.39                      | 7.20<br>7.20<br>7.20                         | 3.60<br>0.22<br>6.84                         |                        | 10.66  |
| Sez7<br>137.22         | Sez8<br>151.60       | Sez7<br>Sez7<br>Sez8<br>Sez8                       | A1<br>A2<br>A1<br>A2             | 0.03<br>0.95<br>1.04<br>0.22                 | 14.38<br>14.38<br>14.38<br>14.38             | 7.19<br>7.19<br>7.19<br>7.19                 | 0.22<br>6.83<br>7.48<br>1.58                 |                        | 16.11  |
| Sez8<br>151.60         | Sez9<br>183.78       | Sez8<br>Sez8<br>Sez9<br>Sez9                       | A1<br>A2<br>A1<br>A2             | 1.04<br>0.22<br>1.23<br>0.18                 | 32.18<br>32.18<br>32.18<br>32.18             | 16.09<br>16.09<br>16.09<br>16.09             | 16.73<br>3.54<br>19.79<br>2.90               |                        | 42.96  |
| Sez9<br>183.78         | Sez10<br>209.54      | Sez9<br>Sez9                                       | A1<br>A2                         | 1.23<br>0.18                                 | 25.76<br>25.76                               | 12.88<br>12.88                               | 15.84<br>2.32                                |                        | 18.16  |
| Sez14<br>329.72        | Sez15<br>360.00      | Sez15<br>Sez15                                     | A1<br>A2                         | 0.17<br>0.70                                 | 30.28<br>30.28                               | 15.14<br>15.14                               | 2.57<br>10.60                                |                        | 13.17  |
| Sez15<br>360.00        | Sez16<br>390.00      | Sez15<br>Sez15<br>Sez16                            | A1<br>A2<br>A1                   | 0.17<br>0.70<br>9.23                         | 30.00<br>30.00<br>30.00                      | 15.00<br>15.00<br>15.00                      | 2.55<br>10.50<br>138.45                      |                        | 151.50 |
| Sez16<br>390.00        | Sez17<br>420.00      | Sez16<br>Sez17                                     | A1<br>A1                         | 9.23<br>3.77                                 | 30.00<br>30.00                               | 15.00<br>15.00                               | 138.45<br>56.55                              |                        | 195.00 |
| Sez17<br>420.00        | Sez18<br>450.00      | Sez17<br>Sez18                                     | A1<br>A1                         | 3.77<br>3.88                                 | 30.00<br>30.00                               | 15.00<br>15.00                               | 56.55<br>58.20                               |                        | 114.75 |
| Sez18<br>450.00        | Sez19<br>469.99      | Sez18<br>Sez19                                     | A1<br>A1                         | 3.88<br>4.44                                 | 19.99<br>19.99                               | 10.00<br>10.00                               | 38.80<br>44.40                               |                        | 83.20  |
| Sez19<br>469.99        | Sez20<br>488.66      | Sez19<br>Sez20                                     | A1<br>A1                         | 4.44<br>9.88                                 | 18.67<br>18.67                               | 9.34<br>9.34                                 | 41.47<br>92.28                               |                        | 133.75 |
| Sez20<br>488.66        | Sez21<br>507.33      | Sez20<br>Sez21                                     | A1<br>A1                         | 9.88<br>15.51                                | 18.67<br>18.67                               | 9.33<br>9.33                                 | 92.18<br>144.71                              |                        | 236.89 |
| Sez21<br>507.33        | Sez22<br>533.80      | Sez21<br>Sez22                                     | A1<br>A1                         | 15.51<br>12.32                               | 26.47<br>26.47                               | 13.23<br>13.23                               | 205.20<br>162.99                             |                        | 368.19 |
| Sez22<br>533.80        | Sez23<br>549.75      | Sez22<br>Sez23                                     | A1<br>A1                         | 12.32<br>15.77                               | 15.95<br>15.95                               | 7.98<br>7.98                                 | 98.31<br>125.84                              |                        | 224.15 |
| Sez23<br>549.75        | Sez24<br>565.70      | Sez23<br>Sez24                                     | A1<br>A1                         | 15.77<br>2.49                                | 15.95<br>15.95                               | 7.98<br>7.98                                 | 125.84<br>19.87                              |                        | 145.71 |
| Sez24<br>565.70        | Sez25<br>598.74      | Sez24<br>Sez25                                     | A1<br>A1                         | 2.49<br>0.78                                 | 33.04<br>33.04                               | 16.52<br>16.52                               | 41.13<br>12.89                               |                        | 54.02  |
| Sez25                  | Sez26                | Sez25  | A1                               | 0.78   | 15.81  | 7.90   | 6.16   |                        | 6.16   |
| Sez36                  | Sez37                | Sez37  | A1                               | 0.06   | 16.16  | 8.08   | 0.48   |                        | 0.48   |
| Sez37<br>828.36        | Sez38<br>844.53      | Sez37<br>Sez38<br>Sez38<br>Sez38                   | A1<br>A1<br>A2<br>A3             | 0.06<br>2.88<br>0.06<br>3.02                 | 16.17<br>16.17<br>16.17<br>16.17             | 8.08<br>8.08<br>8.08<br>8.08                 | 0.48<br>23.27<br>0.48<br>24.40               |                        | 48.63  |
| Sez38<br>844.53        | Sez39<br>847.21      | Sez38<br>Sez38<br>Sez38<br>Sez39<br>Sez39<br>Sez39 | A1<br>A2<br>A3<br>A1<br>A2<br>A3 | 2.88<br>0.06<br>3.02<br>2.25<br>0.03<br>0.59 | 2.68<br>2.68<br>2.68<br>2.68<br>2.68<br>2.68 | 1.34<br>1.34<br>1.34<br>1.34<br>1.34<br>1.34 | 3.86<br>0.08<br>4.05<br>3.02<br>0.04<br>0.79 |                        | 11.84  |
| Sez39<br>847.21        | Sez40<br>865.26      | Sez39<br>Sez39<br>Sez39<br>Sez40                   | A1<br>A2<br>A3<br>A1             | 2.25<br>0.03<br>0.59<br>9.27                 | 18.05<br>18.05<br>18.05<br>18.05             | 9.02<br>9.02<br>9.02<br>9.02                 | 20.29<br>0.27<br>5.32<br>83.62               |                        | 109.50 |
| Sez40<br>865.26        | Sez41<br>883.30      | Sez40<br>Sez41                                     | A1<br>A1                         | 9.27<br>6.35                                 | 18.04<br>18.04                               | 9.02<br>9.02                                 | 83.62<br>57.28                               |                        | 140.90 |
| Sez41                  | Sez42                | Sez41  | A1                               | 6.35   | 26.70  | 13.35  | 84.77  |                        | 84.77  |
| Sez45<br>991.65        | Sez46<br>1015.44     | Sez46<br>Sez46                                     | A1<br>A2                         | 0.86<br>0.48                                 | 23.79<br>23.79                               | 11.90<br>11.90                               | 10.23<br>5.71                                |                        | 15.94  |
| Sez46<br>1015.44       | Sez47<br>1039.23     | Sez46<br>Sez46<br>Sez47                            | A1<br>A2<br>A1                   | 0.86<br>0.48<br>0.48                         | 23.79<br>23.79<br>23.79                      | 11.89<br>11.89<br>11.89                      | 10.23<br>5.71<br>5.71                        |                        | 21.65  |
| Sez47<br>1039.23       | Sez48<br>1065.00     | Sez47<br>Sez48                                     | A1<br>A1                         | 0.48<br>0.27                                 | 25.77<br>25.77                               | 12.88<br>12.88                               | 6.18<br>3.48                                 |                        | 9.66   |
| Sez48                  | Sez49                | Sez48  | A1                               | 0.27   | 27.00  | 13.50  | 3.65   |                        | 3.65   |
| Sez53                  | Sez54                | Sez54  | A1                               | 0.53   | 17.35  | 8.67   | 4.60   |                        | 4.60   |
| Sez54<br>1206.03       | Sez55<br>1230.00     | Sez54<br>Sez55                                     | A1<br>A1                         | 0.53<br>0.10                                 | 23.97<br>23.97                               | 11.99<br>11.99                               | 6.35<br>1.20                                 |                        |        |
|                        |                      |  |                                  |  |  |  | 7.55   | 2480.74                |        |

## 7.d - Calcolo volumi sterro e riporto tracciato 7

|                         |                      | COMPUTO DEI VOLUMI               |                      |                                  | Foglio n. 14                     |                              |                                      |                        |
|-------------------------|----------------------|----------------------------------|----------------------|----------------------------------|----------------------------------|------------------------------|--------------------------------------|------------------------|
| Sterro                  |                      |                                  |                      |                                  |                                  |                              |                                      |                        |
| DALLA SEZ.<br>DA PROG.  | ALLA SEZ.<br>A PROG. | SEZIONE                          | FIGURA               | AREA                             | DISTANZA<br>SEZIONI<br>m         | DISTANZA<br>DI CALCOLO<br>m  | VOLUME<br>PARZIALE<br>mc             | VOLUME<br>TOTALE<br>mc |
| A RIPORTARE mc          |                      |                                  |                      |                                  |                                  |                              | 7.55                                 | 2480.74                |
| Sez55<br>1230.00        | Sez56<br>1260.00     | Sez55<br>Sez56                   | A1<br>A1             | 0.10<br>1.28                     | 30.00<br>30.00                   | 15.00<br>15.00               | 1.50<br>19.20                        | 7.55<br>20.70          |
| Sez56<br>1260.00        | Sez57<br>1290.00     | Sez56<br>Sez57                   | A1<br>A1             | 1.28<br>0.77                     | 30.00<br>30.00                   | 15.00<br>15.00               | 19.20<br>11.55                       | 30.75                  |
| Sez57<br>1290.00        | Sez58<br>1320.00     | Sez57<br>Sez58                   | A1<br>A1             | 0.77<br>1.67                     | 30.00<br>30.00                   | 15.00<br>15.00               | 11.55<br>25.05                       | 36.60                  |
| Sez58<br>1320.00        | Sez59<br>1350.00     | Sez58<br>Sez59                   | A1<br>A1             | 1.67<br>20.04                    | 30.00<br>30.00                   | 15.00<br>15.00               | 25.05<br>300.60                      | 325.65                 |
| Sez59<br>1350.00        | Sez60<br>1372.00     | Sez59<br>Sez60                   | A1<br>A1             | 20.04<br>28.43                   | 22.00<br>22.00                   | 11.00<br>11.00               | 220.44<br>312.73                     | 533.17                 |
| Sez60<br>1372.00        | Sez61<br>1394.43     | Sez60<br>Sez61                   | A1<br>A1             | 28.43<br>38.20                   | 22.43<br>22.43                   | 11.22<br>11.22               | 318.98<br>428.60                     | 747.58                 |
| Sez61<br>1394.43        | Sez62<br>1410.00     | Sez61<br>Sez62                   | A1<br>A1             | 38.20<br>51.32                   | 15.57<br>15.57                   | 7.78<br>7.78                 | 297.20<br>399.27                     | 696.47                 |
| Sez62<br>1410.00        | Sez63<br>1420.00     | Sez62<br>Sez63<br>Sez63          | A1<br>A1<br>A2       | 51.32<br>31.83<br>58.79          | 10.00<br>10.00<br>10.00          | 5.00<br>5.00<br>5.00         | 256.60<br>159.15<br>293.95           | 709.70                 |
| Sez63<br>1420.00        | Sez64<br>1430.00     | Sez63<br>Sez63<br>Sez64<br>Sez64 | A1<br>A2<br>A1<br>A2 | 31.83<br>58.79<br>73.06<br>30.75 | 10.00<br>10.00<br>10.00<br>10.00 | 5.00<br>5.00<br>5.00<br>5.00 | 159.15<br>293.95<br>365.30<br>153.75 | 972.15                 |
| Sez64<br>1430.00        | Sez65<br>1440.00     | Sez64<br>Sez64<br>Sez65          | A1<br>A2<br>A1       | 73.06<br>30.75<br>162.94         | 10.00<br>10.00<br>10.00          | 5.00<br>5.00<br>5.00         | 365.30<br>153.75<br>814.70           | 1333.75                |
| Sez65<br>1440.00        | Sez66<br>1450.00     | Sez65<br>Sez66                   | A1<br>A1             | 162.94<br>153.17                 | 10.00<br>10.00                   | 5.00<br>5.00                 | 814.70<br>765.85                     | 1580.55                |
| Sez66<br>1450.00        | Sez67<br>1460.00     | Sez66<br>Sez67                   | A1<br>A1             | 153.17<br>142.92                 | 10.00<br>10.00                   | 5.00<br>5.00                 | 765.85<br>714.60                     | 1480.45                |
| Sez67<br>1460.00        | Sez68<br>1470.00     | Sez67<br>Sez68                   | A1<br>A1             | 142.92<br>126.97                 | 10.00<br>10.00                   | 5.00<br>5.00                 | 714.60<br>634.85                     | 1349.45                |
| Sez68<br>1470.00        | Sez69<br>1480.00     | Sez68<br>Sez69                   | A1<br>A1             | 126.97<br>73.74                  | 10.00<br>10.00                   | 5.00<br>5.00                 | 634.85<br>368.70                     | 1003.55                |
| Sez69<br>1480.00        | Sez70<br>1492.22     | Sez69<br>Sez70                   | A1<br>A1             | 73.74<br>15.58                   | 12.22<br>12.22                   | 6.11<br>6.11                 | 450.55<br>95.19                      | 545.74                 |
| Sez70<br>1492.22        | Sez71<br>1500.00     | Sez70<br>Sez71                   | A1<br>A1             | 15.58<br>15.58                   | 7.78<br>7.78                     | 3.89<br>3.89                 | 60.61<br>60.61                       | 60.61                  |
| Il Direttore dei Lavori |                      | L'Impresa                        |                      |                                  | TOTALE ARTICOLO                  |                              |                                      | 13915.16               |

## 7.d - Calcolo volumi sterro e riporto tracciato 7

|                        |                      | COMPUTO DEI VOLUMI               |                      |                              |                              |                              | Foglio n. 15                 |                        |
|------------------------|----------------------|----------------------------------|----------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------|
| Riporto                |                      |                                  |                      |                              |                              |                              |                              |                        |
| DALLA SEZ.<br>DA PROG. | ALLA SEZ.<br>A PROG. | SEZIONE                          | FIGURA               | AREA                         | DISTANZA<br>SEZIONI<br>m     | DISTANZA<br>DI CALCOLO<br>m  | VOLUME<br>PARZIALE<br>mc     | VOLUME<br>TOTALE<br>mc |
| Sez1<br>0.00           | Sez2<br>26.61        | Sez1<br>Sez2                     | B1<br>B1             | 0.28<br>7.09                 | 26.61<br>26.61               | 13.30<br>13.30               | 3.72<br>94.30                | 98.02                  |
| Sez2                   | Sez3                 | Sez2                             | B1                   | 7.09                         | 25.56                        | 12.78                        | 90.61                        | 90.61                  |
| Sez4                   | Sez5                 | Sez5                             | B1                   | 0.21                         | 24.00                        | 12.00                        | 2.52                         | 2.52                   |
| Sez5<br>99.00          | Sez6<br>122.83       | Sez5<br>Sez6                     | B1<br>B1             | 0.21<br>0.56                 | 23.83<br>23.83               | 11.91<br>11.91               | 2.50<br>6.67                 | 9.17                   |
| Sez6<br>122.83         | Sez7<br>137.22       | Sez6<br>Sez7                     | B1<br>B1             | 0.56<br>0.20                 | 14.39<br>14.39               | 7.20<br>7.20                 | 4.03<br>1.44                 | 5.47                   |
| Sez7                   | Sez8                 | Sez7                             | B1                   | 0.20                         | 14.38                        | 7.19                         | 1.44                         | 1.44                   |
| Sez8                   | Sez9                 | Sez9                             | B1                   | 0.07                         | 32.18                        | 16.09                        | 1.13                         | 1.13                   |
| Sez9<br>183.78         | Sez10<br>209.54      | Sez9<br>Sez10                    | B1<br>B1             | 0.07<br>4.04                 | 25.76<br>25.76               | 12.88<br>12.88               | 0.90<br>52.04                | 52.94                  |
| Sez10<br>209.54        | Sez11<br>235.30      | Sez10<br>Sez11                   | B1<br>B1             | 4.04<br>8.73                 | 25.76<br>25.76               | 12.88<br>12.88               | 52.04<br>112.44              | 164.48                 |
| Sez11<br>235.30        | Sez12<br>263.60      | Sez11<br>Sez12                   | B1<br>B1             | 8.73<br>19.51                | 28.30<br>28.30               | 14.15<br>14.15               | 123.53<br>276.07             | 399.60                 |
| Sez12<br>263.60        | Sez13<br>296.66      | Sez12<br>Sez13                   | B1<br>B1             | 19.51<br>15.53               | 33.06<br>33.06               | 16.53<br>16.53               | 322.50<br>256.71             | 579.21                 |
| Sez13<br>296.66        | Sez14<br>329.72      | Sez13<br>Sez14                   | B1<br>B1             | 15.53<br>6.31                | 33.06<br>33.06               | 16.53<br>16.53               | 256.71<br>104.30             | 361.01                 |
| Sez14<br>329.72        | Sez15<br>360.00      | Sez14<br>Sez15                   | B1<br>B1             | 6.31<br>0.04                 | 30.28<br>30.28               | 15.14<br>15.14               | 95.53<br>0.61                | 96.14                  |
| Sez15<br>360.00        | Sez16<br>390.00      | Sez15<br>Sez16                   | B1<br>B1             | 0.04<br>0.31                 | 30.00<br>30.00               | 15.00<br>15.00               | 0.60<br>4.65                 | 5.25                   |
| Sez16<br>390.00        | Sez17<br>420.00      | Sez16<br>Sez17                   | B1<br>B1             | 0.31<br>1.87                 | 30.00<br>30.00               | 15.00<br>15.00               | 4.65<br>28.05                | 32.70                  |
| Sez17                  | Sez18                | Sez17                            | B1                   | 1.87                         | 30.00                        | 15.00                        | 28.05                        | 28.05                  |
| Sez24                  | Sez25                | Sez25                            | B1                   | 0.27                         | 33.04                        | 16.52                        | 4.46                         | 4.46                   |
| Sez25<br>598.74        | Sez26<br>614.55      | Sez25<br>Sez26                   | B1<br>B1             | 0.27<br>3.08                 | 15.81<br>15.81               | 7.90<br>7.90                 | 2.13<br>24.33                | 26.46                  |
| Sez26<br>614.55        | Sez27<br>630.36      | Sez26<br>Sez27                   | B1<br>B1             | 3.08<br>7.95                 | 15.81<br>15.81               | 7.91<br>7.91                 | 24.36<br>62.88               | 87.24                  |
| Sez27<br>630.36        | Sez28<br>645.88      | Sez27<br>Sez28                   | B1<br>B1             | 7.95<br>4.00                 | 15.52<br>15.52               | 7.76<br>7.76                 | 61.69<br>31.04               | 92.73                  |
| Sez28<br>645.88        | Sez29<br>657.53      | Sez28<br>Sez29                   | B1<br>B1             | 4.00<br>3.17                 | 11.65<br>11.65               | 5.82<br>5.82                 | 23.28<br>18.45               | 41.73                  |
| Sez29<br>657.53        | Sez30<br>669.19      | Sez29<br>Sez30                   | B1<br>B1             | 3.17<br>2.45                 | 11.66<br>11.66               | 5.83<br>5.83                 | 18.48<br>14.28               | 32.76                  |
| Sez30<br>669.19        | Sez31<br>690.00      | Sez30<br>Sez31                   | B1<br>B1             | 2.45<br>7.12                 | 20.81<br>20.81               | 10.40<br>10.40               | 25.48<br>74.05               | 99.53                  |
| Sez31<br>690.00        | Sez32<br>708.43      | Sez31<br>Sez32                   | B1<br>B1             | 7.12<br>7.92                 | 18.43<br>18.43               | 9.21<br>9.21                 | 65.58<br>72.94               | 138.52                 |
| Sez32<br>708.43        | Sez33<br>728.12      | Sez32<br>Sez33                   | B1<br>B1             | 7.92<br>7.83                 | 19.69<br>19.69               | 9.85<br>9.85                 | 78.01<br>77.13               | 155.14                 |
| Sez33<br>728.12        | Sez34<br>756.00      | Sez33<br>Sez34                   | B1<br>B1             | 7.83<br>10.50                | 27.88<br>27.88               | 13.94<br>13.94               | 109.15<br>146.37             | 255.52                 |
| Sez34<br>756.00        | Sez35<br>784.00      | Sez34<br>Sez35                   | B1<br>B1             | 10.50<br>5.53                | 28.00<br>28.00               | 14.00<br>14.00               | 147.00<br>77.42              | 224.42                 |
| Sez35<br>784.00        | Sez36<br>812.20      | Sez35<br>Sez36                   | B1<br>B1             | 5.53<br>1.76                 | 28.20<br>28.20               | 14.10<br>14.10               | 77.97<br>24.82               | 102.79                 |
| Sez36<br>812.20        | Sez37<br>828.36      | Sez36<br>Sez37                   | B1<br>B1             | 1.76<br>0.66                 | 16.16<br>16.16               | 8.08<br>8.08                 | 14.22<br>5.33                | 19.55                  |
| Sez37<br>828.36        | Sez38<br>844.53      | Sez37<br>Sez38<br>Sez38          | B1<br>B1<br>B2       | 0.66<br>0.03<br>0.04         | 16.17<br>16.17<br>16.17      | 8.08<br>8.08<br>8.08         | 5.33<br>0.24<br>0.32         | 5.89                   |
| Sez38<br>844.53        | Sez39<br>847.21      | Sez38<br>Sez38<br>Sez39<br>Sez39 | B1<br>B2<br>B1<br>B2 | 0.03<br>0.04<br>0.11<br>0.10 | 2.68<br>2.68<br>2.68<br>2.68 | 1.34<br>1.34<br>1.34<br>1.34 | 0.04<br>0.05<br>0.15<br>0.13 | 0.37                   |
| Sez39<br>847.21        | Sez40<br>865.26      | Sez39<br>Sez39<br>Sez40          | B1<br>B2<br>B1       | 0.11<br>0.10<br>4.50         | 18.05<br>18.05<br>18.05      | 9.02<br>9.02<br>9.02         | 0.99<br>0.90<br>40.59        | 42.48                  |
| Sez40<br>865.26        | Sez41<br>883.30      | Sez40<br>Sez41                   | B1<br>B1             | 4.50<br>14.42                | 18.04<br>18.04               | 9.02<br>9.02                 | 40.59<br>130.07              | 170.66                 |
| Sez41<br>883.30        | Sez42<br>910.00      | Sez41<br>Sez42                   | B1<br>B1             | 14.42<br>4.44                | 26.70<br>26.70               | 13.35<br>13.35               | 192.51<br>59.27              | 251.78                 |
| Sez42<br>910.00        | Sez43<br>937.00      | Sez42<br>Sez43                   | B1<br>B1             | 4.44<br>8.36                 | 27.00<br>27.00               | 13.50<br>13.50               | 59.94<br>112.86              | 172.80                 |
| Sez43<br>937.00        | Sez44<br>964.00      | Sez43<br>Sez44                   | B1<br>B1             | 8.36<br>11.23                | 27.00<br>27.00               | 13.50<br>13.50               | 112.86<br>151.61             | 264.47                 |
| Sez44                  | Sez45                | Sez44                            | B1                   | 11.23                        | 27.65                        | 13.82                        | 155.20                       |                        |
|                        |                      |                                  |                      |                              |                              |                              | 155.20                       | 4117.04                |



## 7.d - Calcolo volumi sterro e riporto tracciato 7

|                         |                      | COMPUTO DEI VOLUMI |        |       |                          | Foglio n. 16                |                          |                        |  |
|-------------------------|----------------------|--------------------|--------|-------|--------------------------|-----------------------------|--------------------------|------------------------|--|
| Riporto                 |                      |                    |        |       |                          |                             |                          |                        |  |
| DALLA SEZ.<br>DA PROG.  | ALLA SEZ.<br>A PROG. | SEZIONE            | FIGURA | AREA  | DISTANZA<br>SEZIONI<br>m | DISTANZA<br>DI CALCOLO<br>m | VOLUME<br>PARZIALE<br>mc | VOLUME<br>TOTALE<br>mc |  |
| A RIPORTARE mc          |                      |                    |        |       |                          |                             | 155.20                   | 4117.04                |  |
| 964.00                  | 991.65               | Sez45              | B1     | 7.23  | 27.65                    | 13.82                       | 99.92                    | 255.12                 |  |
| Sez45                   | Sez46                | Sez45              | B1     | 7.23  | 23.79                    | 11.90                       | 86.04                    |                        |  |
| 991.65                  | 1015.44              | Sez46              | B1     | 0.19  | 23.79                    | 11.90                       | 2.26                     | 88.30                  |  |
| Sez46                   | Sez47                | Sez46              | B1     | 0.19  | 23.79                    | 11.89                       | 2.26                     |                        |  |
| 1015.44                 | 1039.23              | Sez47              | B1     | 1.48  | 23.79                    | 11.89                       | 17.60                    | 19.86                  |  |
| Sez47                   | Sez48                | Sez47              | B1     | 1.48  | 25.77                    | 12.88                       | 19.06                    |                        |  |
| 1039.23                 | 1065.00              | Sez48              | B1     | 1.93  | 25.77                    | 12.88                       | 24.86                    | 43.92                  |  |
| Sez48                   | Sez49                | Sez48              | B1     | 1.93  | 27.00                    | 13.50                       | 26.05                    |                        |  |
| 1065.00                 | 1092.00              | Sez49              | B1     | 5.30  | 27.00                    | 13.50                       | 71.55                    | 97.60                  |  |
| Sez49                   | Sez50                | Sez49              | B1     | 5.30  | 26.00                    | 13.00                       | 68.90                    |                        |  |
| 1092.00                 | 1118.00              | Sez50              | B1     | 16.44 | 26.00                    | 13.00                       | 213.72                   | 282.62                 |  |
| Sez50                   | Sez51                | Sez50              | B1     | 16.44 | 26.00                    | 13.00                       | 213.72                   |                        |  |
| 1118.00                 | 1144.00              | Sez51              | B1     | 4.91  | 26.00                    | 13.00                       | 63.83                    | 277.55                 |  |
| Sez51                   | Sez52                | Sez51              | B1     | 4.91  | 27.32                    | 13.66                       | 67.07                    |                        |  |
| 1144.00                 | 1171.32              | Sez52              | B1     | 5.30  | 27.32                    | 13.66                       | 72.40                    | 139.47                 |  |
| Sez52                   | Sez53                | Sez52              | B1     | 5.30  | 17.36                    | 8.68                        | 46.00                    |                        |  |
| 1171.32                 | 1188.68              | Sez53              | B1     | 3.39  | 17.36                    | 8.68                        | 29.43                    | 75.43                  |  |
| Sez53                   | Sez54                | Sez53              | B1     | 3.39  | 17.35                    | 8.67                        | 29.39                    |                        |  |
| 1188.68                 | 1206.03              | Sez54              | B1     | 0.47  | 17.35                    | 8.67                        | 4.07                     | 33.46                  |  |
| Sez54                   | Sez55                | Sez54              | B1     | 0.47  | 23.97                    | 11.99                       | 5.64                     |                        |  |
| 1206.03                 | 1230.00              | Sez55              | B1     | 0.06  | 23.97                    | 11.99                       | 0.72                     | 9.36                   |  |
| Sez55                   | Sez56                | Sez55              | B2     | 0.25  | 23.97                    | 11.99                       | 3.00                     |                        |  |
| 1230.00                 | 1260.00              | Sez56              | B1     | 0.06  | 30.00                    | 15.00                       | 0.90                     | 4.65                   |  |
| Sez56                   | Sez57                | Sez56              | B2     | 0.25  | 30.00                    | 15.00                       | 3.75                     |                        |  |
| 1260.00                 | 1280.00              | Sez57              | B1     | 0.05  | 30.00                    | 15.00                       | 0.75                     | 0.75                   |  |
| Sez57                   | Sez58                | Sez57              | B1     | 0.05  | 30.00                    | 15.00                       | 0.75                     |                        |  |
| 1280.00                 | 1300.00              | Sez58              | B1     | 0.05  | 30.00                    | 15.00                       | 0.75                     | 0.75                   |  |
| Sez58                   | Sez59                | Sez58              | B1     | 17.56 | 10.00                    | 5.00                        | 87.80                    |                        |  |
| 1300.00                 | 1320.00              | Sez59              | B1     | 17.56 | 10.00                    | 5.00                        | 87.80                    | 87.80                  |  |
| Sez59                   | Sez60                | Sez59              | B1     | 15.34 | 10.00                    | 5.00                        | 76.70                    |                        |  |
| 1320.00                 | 1340.00              | Sez60              | B1     | 15.34 | 10.00                    | 5.00                        | 76.70                    | 164.50                 |  |
| Sez60                   | Sez61                | Sez60              | B1     | 12.72 | 10.00                    | 5.00                        | 63.60                    |                        |  |
| 1340.00                 | 1360.00              | Sez61              | B1     | 12.72 | 10.00                    | 5.00                        | 63.60                    | 140.30                 |  |
| Sez61                   | Sez62                | Sez61              | B1     | 12.72 | 10.00                    | 5.00                        | 63.60                    |                        |  |
| 1360.00                 | 1380.00              | Sez62              | B1     | 6.63  | 10.00                    | 5.00                        | 33.15                    | 96.75                  |  |
| Sez62                   | Sez63                | Sez62              | B1     | 6.63  | 10.00                    | 5.00                        | 33.15                    |                        |  |
| 1380.00                 | 1400.00              | Sez63              | B1     | 4.61  | 10.00                    | 5.00                        | 23.05                    | 56.20                  |  |
| Sez63                   | Sez64                | Sez63              | B1     | 4.61  | 10.00                    | 5.00                        | 23.05                    |                        |  |
| 1400.00                 | 1420.00              | Sez64              | B1     | 4.61  | 10.00                    | 5.00                        | 23.05                    | 29.60                  |  |
| Sez64                   | Sez65                | Sez64              | B1     | 1.31  | 10.00                    | 5.00                        | 6.55                     |                        |  |
| 1420.00                 | 1440.00              | Sez65              | B1     | 1.31  | 10.00                    | 5.00                        | 6.55                     | 6.55                   |  |
| Sez65                   | Sez66                | Sez65              | B1     | 5.10  | 12.22                    | 6.11                        | 31.16                    |                        |  |
| 1440.00                 | 1460.00              | Sez66              | B1     | 5.10  | 12.22                    | 6.11                        | 31.16                    | 31.16                  |  |
| Sez66                   | Sez67                | Sez66              | B1     | 5.10  | 7.78                     | 3.89                        | 19.84                    |                        |  |
| 1460.00                 | 1480.00              | Sez67              | B1     | 5.10  | 7.78                     | 3.89                        | 19.84                    | 85.97                  |  |
| Sez67                   | Sez68                | Sez67              | B1     | 17.00 | 7.78                     | 3.89                        | 66.13                    |                        |  |
| 1480.00                 | 1500.00              | Sez68              | B1     | 17.00 | 7.78                     | 3.89                        | 66.13                    | 85.97                  |  |
| Sez68                   | Sez69                | Sez68              | B1     | 17.00 | 10.00                    | 5.00                        | 85.00                    |                        |  |
| 1500.00                 | 1520.00              | Sez69              | B1     | 17.00 | 10.00                    | 5.00                        | 85.00                    | 85.00                  |  |
| Sez69                   | Sez70                | Sez69              | B1     | 17.00 | 10.00                    | 5.00                        | 85.00                    |                        |  |
| 1520.00                 | 1540.00              | Sez70              | B1     | 17.00 | 10.00                    | 5.00                        | 85.00                    | 85.00                  |  |
| Sez70                   | Sez71                | Sez70              | B1     | 17.00 | 10.00                    | 5.00                        | 85.00                    |                        |  |
| 1540.00                 | 1560.00              | Sez71              | B1     | 17.00 | 10.00                    | 5.00                        | 85.00                    | 85.00                  |  |
| Sez71                   | Sez72                | Sez71              | B1     | 17.00 | 10.00                    | 5.00                        | 85.00                    |                        |  |
| 1560.00                 | 1580.00              | Sez72              | B1     | 17.00 | 10.00                    | 5.00                        | 85.00                    | 85.00                  |  |
| Sez72                   |                      |                    |        |       |                          |                             |                          |                        |  |
| Il Direttore dei Lavori |                      | L'Impresa          |        |       | TOTALE ARTICOLO          |                             |                          | 6229.71                |  |

| COMPUTO DEI VOLUMI                         |         | Foglio n. 17 |          |
|--|---------|--------------|----------|
| Volume dalla sezione P1 alla sezione Sez74 |         |              |          |
| ARTICOLO                                   |         |              | VOLUME   |
| A  | Sterro  | mc           | 13915.16 |
| B  | Riporto | mc           | 6229.71  |