

LAVORI DI COLLEGAMENTO TRA LA S.S.11 A MAGENTA E LA TANGENZIALE OVEST DI MILANO

VARIANTE DI ABBIATEGRASSO E ADEGUAMENTO IN SEDE DEL TRATTO ABBIATEGRASSO-VIGEVANO FINO AL PONTE SUL FIUME TICINO

1° STRALCIO DA MAGENTA A VIGEVANO - TRATTA C

PROGETTO ESECUTIVO - COD. MI608

| | | | | |
|---|---|--|---|---|
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FB135

F - PROGETTO IDRAULICO
FB - RETICOLO IDROGRAFICO
TABULATO MOVIMENTI MATERIA CANALE 12 SX

| | | | | | |
|-----------------|-------------|-----------|-----------------------------|------------------------|----------------------|
| CODICE PROGETTO | | NOME FILE | | REVISIONE | SCALA: |
| PROGETTO | LIV. PROG. | N. PROG. | FB135-T00ID02IDRCM21_A.dwg | | |
| LO203 | E | 2301 | CODICE ELAB. T00ID02IDRCM21 | | A |
| C | | | | | |
| B | | | | | |
| A | EMISSIONE | | Ottobre 2023 | ING. ELISABETTA ROMANO | ING. GAETANO RANIERI |
| REV. | DESCRIZIONE | | DATA | REDATTO | VERIFICATO |
| | | | | | APPROVATO |

| RIPORTO | | CALCOLO DELLE AREE | Foglio n. 1 | | |
|-------------------------|------|---|---|----------------------|------|
| N. SEZIONE PROG. | FIG. | ELEMENTI DI CALCOLO | AREA ELEMENTARE mq | AREA FIGURA mq | NOTE |
| SEZ.-2 25.00 | RI1 | (-7.00--7.16) x (114.62+114.51) / 2 (-3.00--7.00) x (114.62+114.62) / 2 (-2.50--3.00) x (114.62+114.62) / 2 (-2.35--2.50) x (114.47+114.62) / 2 (-7.16--2.35) x (114.51+114.47) / 2 | 18.33 458.48 57.31 17.18 -550.70 | | |
| SEZ.-2 25.00 | RI2 | (1.00-0.87) x (114.62+114.48) / 2 (1.52-1.00) x (114.62+114.62) / 2 (4.71-1.52) x (114.62+114.62) / 2 (3.31-4.71) x (114.57+114.62) / 2 (0.87-3.31) x (114.48+114.57) / 2 | 14.89 59.60 365.64 -160.43 -279.44 | 0.60 | |
| SEZ.-3 50.00 | RI1 | (-12.76--12.82) x (114.64+114.60) / 2 (-7.83--12.76) x (114.64+114.64) / 2 (-2.50--7.83) x (114.64+114.64) / 2 (-2.45--2.50) x (114.59+114.64) / 2 (-8.44--2.45) x (114.63+114.59) / 2 (-8.57--8.44) x (114.63+114.63) / 2 (-12.82--8.57) x (114.60+114.63) / 2 | 6.88 565.18 611.03 5.73 -686.51 -14.90 -487.11 | 0.26 | |
| SEZ.-3 50.00 | RI2 | (1.00-0.93) x (114.64+114.57) / 2 (2.85-1.00) x (114.64+114.64) / 2 (6.85-2.85) x (114.64+114.64) / 2 (7.01-6.85) x (114.53+114.64) / 2 (0.93-7.01) x (114.57+114.53) / 2 | 8.02 212.08 458.56 18.33 -696.46 | 0.30 | |
| SEZ.-4 75.00 | RI1 | (-12.54--12.71) x (114.64+114.52) / 2 (-8.49--12.54) x (114.64+114.64) / 2 (-2.50--8.49) x (114.64+114.64) / 2 (-2.42--2.50) x (114.56+114.64) / 2 (-11.69--2.42) x (114.52+114.56) / 2 (-12.71--11.69) x (114.52+114.52) / 2 | 19.48 464.29 686.69 9.17 -1061.79 -116.81 | 0.53 | |
| SEZ.-4 75.00 | RI2 | (1.00-0.94) x (114.64+114.57) / 2 (5.62-1.00) x (114.64+114.64) / 2 (9.62-5.62) x (114.64+114.64) / 2 (9.71-9.62) x (114.57+114.64) / 2 (6.38-9.71) x (114.59+114.57) / 2 (5.63-6.38) x (114.59+114.59) / 2 (0.94-5.63) x (114.57+114.59) / 2 | 6.88 529.64 458.56 10.31 -381.55 -85.94 -537.38 | 1.03 | |
| SEZ.-5 94.29 | RI1 | (8.74-6.61) x (114.61+114.61) / 2 (9.84-8.74) x (113.88+114.61) / 2 (9.60-9.84) x (113.88+113.88) / 2 (9.20-9.60) x (114.14+113.88) / 2 (6.61-9.20) x (114.61+114.14) / 2 | 244.12 125.67 -27.33 -45.60 -296.23 | 0.52 | |
| SEZ.-6 114.29 | RI1 | (-8.16--8.25) x (114.59+114.53) / 2 (-4.11--8.16) x (114.59+114.59) / 2 (-2.50--4.11) x (114.59+114.59) / 2 (-2.46--2.50) x (114.55+114.59) / 2 (-8.25--2.46) x (114.53+114.55) / 2 | 10.31 464.09 184.49 4.58 -663.19 | 0.63 | |
| SEZ.-6 114.29 | RI2 | (1.00-0.97) x (114.59+114.56) / 2 (5.04-1.00) x (114.59+114.59) / 2 (7.37-5.04) x (114.59+114.59) / 2 (0.97-7.37) x (114.56+114.59) / 2 | 3.44 462.94 266.99 -733.28 | 0.28 | |
| SEZ.-7 150.00 | RI1 | (-7.00--7.06) x (114.55+114.52) / 2 (-3.00--7.00) x (114.55+114.55) / 2 (-2.50--3.00) x (114.55+114.55) / 2 (-2.49--2.50) x (114.54+114.55) / 2 (-7.06--2.49) x (114.52+114.54) / 2 | 6.87 458.20 57.27 1.15 -523.40 | 0.09 | |
| SEZ.-8 175.00 | RI1 | (-7.00--7.02) x (114.53+114.52) / 2 (-4.44--7.00) x (114.53+114.53) / 2 (-7.02--4.44) x (114.52+114.53) / 2 | 2.29 293.20 -295.47 | 0.09 | |
| | | | | 0.02 | |
| Il Direttore dei Lavori | | L'Impresa | | | |

| | | CALCOLO DELLE AREE | Foglio n. 2 | | |
|---------------------|------|---|---|----------------------|------|
| SCAVO | | | | | |
| N. SEZIONE PROG. | FIG. | ELEMENTI DI CALCOLO | AREA ELEMENTARE mq | AREA FIGURA mq | NOTE |
| SEZ.-1 0.00 | SC1 | (-12.03--12.14) x (114.62+114.62) / 2 (-11.61--12.03) x (114.63+114.62) / 2 (-5.93--11.61) x (114.73+114.63) / 2 (-4.96--5.93) x (114.72+114.73) / 2 (14.20--4.96) x (114.74+114.72) / 2 (14.06--14.20) x (114.60+114.74) / 2 (7.00--14.06) x (114.60+114.60) / 2 (1.00--7.00) x (114.60+114.60) / 2 (0.00--1.00) x (113.60+114.60) / 2 (-1.50--0.00) x (113.60+113.60) / 2 (-2.50--1.50) x (114.60+113.60) / 2 (-7.18--2.50) x (114.60+114.60) / 2 (-12.12--7.18) x (114.60+114.60) / 2 (-12.14--12.12) x (114.62+114.60) / 2 | 12.61 48.14 651.38 111.28 2198.23 -16.05 -809.08 -687.60 -114.10 -170.40 -114.10 -536.33 -566.12 -2.29 | | |
| SEZ.-2 25.00 | SC1 | (-0.11--2.35) x (114.45+114.47) / 2 (0.87--0.11) x (114.48+114.45) / 2 (0.00--0.87) x (113.62+114.48) / 2 (-1.50--0.00) x (113.62+113.62) / 2 (-2.35--1.50) x (114.47+113.62) / 2 | 256.39 112.18 -99.22 -170.43 -96.94 | 5.57 | |
| SEZ.-2 25.00 | SC2 | (5.55--4.71) x (114.65+114.62) / 2 (5.52--5.55) x (114.62+114.65) / 2 (4.71--5.52) x (114.62+114.62) / 2 | 96.29 -3.44 -92.84 | 1.98 | |
| SEZ.-3 50.00 | SC1 | (-1.31--2.45) x (114.59+114.59) / 2 (0.93--1.31) x (114.57+114.59) / 2 (0.00--0.93) x (113.64+114.57) / 2 (-1.50--0.00) x (113.64+113.64) / 2 (-2.45--1.50) x (114.59+113.64) / 2 | 130.63 256.66 -106.12 -170.46 -108.41 | 2.30 | |
| SEZ.-4 75.00 | SC1 | (0.94--2.42) x (114.57+114.56) / 2 (0.00--0.94) x (113.64+114.57) / 2 (-1.50--0.00) x (113.64+113.64) / 2 (-2.42--1.50) x (114.56+113.64) / 2 | 384.94 -107.26 -170.46 -104.97 | 2.25 | |
| SEZ.-5 94.29 | SC1 | (-5.22--11.68) x (114.94+114.92) / 2 (0.24--5.22) x (114.93+114.94) / 2 (4.94--0.24) x (114.92+114.93) / 2 (6.61--4.94) x (114.61+114.92) / 2 (4.62--6.61) x (114.61+114.61) / 2 (1.00--4.62) x (114.61+114.61) / 2 (0.00--1.00) x (113.61+114.61) / 2 (-1.50--0.00) x (113.61+113.61) / 2 (-2.50--1.50) x (114.61+113.61) / 2 (-7.31--2.50) x (114.61+114.61) / 2 (-11.36--7.31) x (114.61+114.61) / 2 (-11.68--11.36) x (114.92+114.61) / 2 | 742.45 627.55 540.15 191.66 -228.07 -414.89 -114.11 -170.41 -114.11 -551.27 -464.17 -36.72 | 8.06 | |
| SEZ.-6 114.29 | SC1 | (0.97--2.46) x (114.56+114.55) / 2 (0.00--0.97) x (113.59+114.56) / 2 (-1.50--0.00) x (113.59+113.59) / 2 (-2.46--1.50) x (114.55+113.59) / 2 | 392.92 -110.65 -170.38 -109.51 | 2.38 | |
| SEZ.-7 150.00 | SC1 | (-1.88--2.49) x (114.55+114.54) / 2 (5.54--1.88) x (114.58+114.55) / 2 (5.51--5.54) x (114.55+114.58) / 2 (1.51--5.51) x (114.55+114.55) / 2 (1.00--1.51) x (114.55+114.55) / 2 (0.00--1.00) x (113.55+114.55) / 2 (-1.50--0.00) x (113.55+113.55) / 2 (-2.49--1.50) x (114.54+113.55) / 2 | 69.87 850.07 -3.44 -458.20 -58.42 -114.05 -170.32 -112.90 | 2.61 | |
| SEZ.-8 175.00 | SC1 | (3.05--4.44) x (114.56+114.53) / 2 (5.54--3.05) x (114.57+114.56) / 2 (5.50--5.54) x (114.53+114.57) / 2 (1.50--5.50) x (114.53+114.53) / 2 (1.00--1.50) x (114.53+114.53) / 2 (0.00--1.00) x (113.53+114.53) / 2 (-1.50--0.00) x (113.53+113.53) / 2 (-2.50--1.50) x (114.53+113.53) / 2 (-3.00--2.50) x (114.53+114.53) / 2 (-4.44--3.00) x (114.53+114.53) / 2 | 857.94 285.27 -4.58 -458.12 -57.27 -114.03 -170.30 -114.03 -57.27 -164.92 | 2.69 | |
| SEZ.-9 194.47 | SC1 | (6.38--11.35) x (114.63+114.59) / 2 (6.26--6.38) x (114.51+114.63) / 2 (2.19--6.26) x (114.51+114.51) / 2 (1.00--2.19) x (114.51+114.51) / 2 (0.00--1.00) x (113.51+114.51) / 2 (-1.50--0.00) x (113.51+113.51) / 2 (-2.50--1.50) x (114.51+113.51) / 2 (-7.16--2.50) x (114.51+114.51) / 2 (-11.27--7.16) x (114.51+114.51) / 2 (-11.35--11.27) x (114.59+114.51) / 2 | 2032.04 -13.75 -466.06 -136.27 -114.01 -170.27 -114.01 -533.62 -470.64 -9.16 | 4.25 | |
| SEZ.-10 214.47 | SC1 | (-5.49--11.83) x (114.75+114.60) / 2 (2.39--5.49) x (114.72+114.75) / 2 (3.04--2.39) x (114.72+114.72) / 2 (3.47--3.04) x (114.72+114.72) / 2 (6.22--3.47) x (114.71+114.72) / 2 (5.90--6.22) x (114.40+114.71) / 2 (1.77--5.90) x (114.40+114.40) / 2 (1.00--1.77) x (114.40+114.40) / 2 | 727.04 904.11 74.57 49.33 315.47 -36.66 -472.47 -88.09 | | |
| A RIPORTARE mq | | | 1473.30 | | |

| | | CALCOLO DELLE AREE | Foglio n. 3 | | |
|---------------------|------|---|---|----------------------|------|
| SCAVO | | | | | |
| N. SEZIONE PROG. | FIG. | ELEMENTI DI CALCOLO | AREA ELEMENTARE mq | AREA FIGURA mq | NOTE |
| RIPORTO mq | | | 1473.30 | | |
| SEZ.-11 250.00 | SC1 | (0.00-1.00)x(113.40+114.40)/2 (-1.50-0.00)x(113.40+113.40)/2 (-2.50--1.50)x(114.40+113.40)/2 (-7.56--2.50)x(114.40+114.40)/2 (-11.63--7.56)x(114.40+114.40)/2 (-11.83--11.63)x(114.60+114.40)/2 (2.80--7.53)x(114.56+114.56)/2 (6.00-2.80)x(114.53+114.56)/2 (5.50-6.00)x(114.03+114.53)/2 (1.50-5.50)x(114.03+114.03)/2 (1.00-1.50)x(114.03+114.03)/2 (0.00-1.00)x(113.03+114.03)/2 (-1.50-0.00)x(113.03+113.03)/2 (-2.50--1.50)x(114.03+113.03)/2 (-3.00--2.50)x(114.03+114.03)/2 (-7.00--3.00)x(114.03+114.03)/2 (-7.53--7.00)x(114.56+114.03)/2 | -113.90 -170.10 -113.90 -578.86 -465.61 -22.90 1183.40 366.54 -57.14 -456.12 -57.02 -113.53 -169.55 -113.53 -57.02 -456.12 -60.58 | 8.03 | |
| SEZ.-12 275.00 | SC1 | (-4.62--7.73)x(114.49+114.50)/2 (6.20--4.62)x(114.48+114.49)/2 (5.50-6.20)x(113.77+114.48)/2 (1.50-5.50)x(113.77+113.77)/2 (1.00-1.50)x(113.77+113.77)/2 (0.00-1.00)x(112.77+113.77)/2 (-1.50-0.00)x(112.77+112.77)/2 (-2.50--1.50)x(113.77+112.77)/2 (-3.00--2.50)x(113.77+113.77)/2 (-7.00--3.00)x(113.77+113.77)/2 (-7.73--7.00)x(114.50+113.77)/2 | 356.08 1238.73 -79.89 -455.08 -56.88 -113.27 -169.16 -113.27 -56.88 -455.08 -83.32 | 9.33 | |
| SEZ.-13 300.00 | SC1 | (6.44--7.96)x(114.46+114.47)/2 (5.50-6.44)x(113.51+114.46)/2 (1.50-5.50)x(113.51+113.51)/2 (1.00-1.50)x(113.52+113.51)/2 (0.00-1.00)x(112.51+113.52)/2 (-1.50-0.00)x(112.52+112.51)/2 (-2.50--1.50)x(113.52+112.52)/2 (-3.00--2.50)x(113.51+113.52)/2 (-7.00--3.00)x(113.51+113.51)/2 (-7.96--7.00)x(114.47+113.51)/2 | 1648.30 -107.15 -454.04 -56.76 -113.02 -168.77 -113.02 -56.76 -454.04 -109.43 | 11.98 | |
| SEZ.-14 325.00 | SC1 | (-7.57--8.15)x(114.41+114.41)/2 (6.67--7.57)x(114.42+114.41)/2 (5.50-6.67)x(113.26+114.42)/2 (1.50-5.50)x(113.26+113.26)/2 (1.00-1.50)x(113.26+113.26)/2 (0.00-1.00)x(112.26+113.26)/2 (-1.50-0.00)x(112.26+112.26)/2 (-2.50--1.50)x(113.26+112.26)/2 (-3.00--2.50)x(113.26+113.26)/2 (-7.00--3.00)x(113.26+113.26)/2 (-8.15--7.00)x(114.41+113.26)/2 | 66.36 1629.27 -133.19 -453.04 -56.63 -112.76 -168.39 -112.76 -56.63 -453.04 -130.91 | 15.31 | |
| SEZ.-15 350.00 | SC1 | (6.73--8.19)x(114.23+114.19)/2 (5.50-6.73)x(113.00+114.23)/2 (1.50-5.50)x(113.00+113.00)/2 (1.00-1.50)x(113.00+113.00)/2 (0.00-1.00)x(112.00+113.00)/2 (-1.50-0.00)x(112.00+112.00)/2 (-2.50--1.50)x(113.00+112.00)/2 (-3.00--2.50)x(113.00+113.00)/2 (-7.00--3.00)x(113.00+113.00)/2 (-8.19--7.00)x(114.19+113.00)/2 | 1704.01 -139.75 -452.00 -56.50 -112.50 -168.00 -112.50 -56.50 -452.00 -135.18 | 18.28 | |
| SEZ.-16 375.00 | SC1 | (-2.87--8.37)x(114.12+114.11)/2 (6.88--2.87)x(114.12+114.12)/2 (5.50-6.88)x(112.74+114.12)/2 (1.50-5.50)x(112.74+112.74)/2 (1.00-1.50)x(112.74+112.74)/2 (0.00-1.00)x(111.74+112.74)/2 (-1.50-0.00)x(111.74+111.74)/2 (-2.50--1.50)x(112.74+111.74)/2 (-3.00--2.50)x(112.74+112.74)/2 (-7.00--3.00)x(112.74+112.74)/2 (-8.37--7.00)x(114.11+112.74)/2 | 627.63 1112.67 -156.53 -450.96 -56.37 -112.24 -167.61 -112.24 -56.37 -450.96 -155.39 | 19.08 | |
| SEZ.-17 400.00 | SC1 | (-3.86--8.52)x(114.01+114.00)/2 (4.89--3.86)x(114.01+114.01)/2 (7.20-4.89)x(114.18+114.01)/2 (5.50-7.20)x(112.48+114.18)/2 (1.50-5.50)x(112.48+112.48)/2 (1.00-1.50)x(112.48+112.48)/2 (0.00-1.00)x(111.48+112.48)/2 (-1.50-0.00)x(111.48+111.48)/2 (-2.50--1.50)x(112.48+111.48)/2 (-3.00--2.50)x(112.48+112.48)/2 (-7.00--3.00)x(112.48+112.48)/2 (-8.52--7.00)x(114.00+112.48)/2 | 531.26 997.59 263.56 -192.66 -449.92 -56.24 -111.98 -167.22 -111.98 -56.24 -449.92 -172.12 | 21.63 | |
| SEZ.-18 | SC1 | (-6.32--8.67)x(113.90+113.90)/2 | 267.66 | 24.13 | |
| A RIPORTARE mq | | | 267.66 | | |

| | | CALCOLO DELLE AREE | Foglio n. 4 | | |
|-------------------------|------|--|--|----------------------|------|
| SCAVO | | | | | |
| N. SEZIONE PROG. | FIG. | ELEMENTI DI CALCOLO | AREA ELEMENTARE mq | AREA FIGURA mq | NOTE |
| RIPORTO mq | | | 267.66 | | |
| 425.00 | | $(3.08--6.32) \times (113.93+113.90) / 2$ $(7.19-3.08) \times (113.92+113.93) / 2$ $(5.50-7.19) \times (112.23+113.92) / 2$ $(1.50-5.50) \times (112.23+112.23) / 2$ $(1.00-1.50) \times (112.23+112.23) / 2$ $(0.00-1.00) \times (111.23+112.23) / 2$ $(-1.50-0.00) \times (111.23+111.23) / 2$ $(-2.50--1.50) \times (112.23+111.23) / 2$ $(-3.00--2.50) \times (112.23+112.23) / 2$ $(-7.00--3.00) \times (112.23+112.23) / 2$ $(-8.67--7.00) \times (113.90+112.23) / 2$ | 1070.80 468.23 -191.10 -448.92 -56.12 -111.73 -166.85 -111.73 -56.12 -448.92 -188.82 | 26.38 | |
| SEZ.-19 450.00 | SC1 | $(-0.93--8.87) \times (113.69+113.84) / 2$ $(7.22--0.93) \times (113.69+113.69) / 2$ $(5.50-7.22) \times (111.97+113.69) / 2$ $(1.50-5.50) \times (111.97+111.97) / 2$ $(1.00-1.50) \times (111.97+111.97) / 2$ $(0.00-1.00) \times (110.97+111.97) / 2$ $(-1.50-0.00) \times (110.97+110.97) / 2$ $(-2.50--1.50) \times (111.97+110.97) / 2$ $(-3.00--2.50) \times (111.97+111.97) / 2$ $(-7.00--3.00) \times (111.97+111.97) / 2$ $(-8.87--7.00) \times (113.84+111.97) / 2$ | 903.29 926.57 -194.07 -447.88 -55.98 -111.47 -166.45 -111.47 -55.98 -447.88 -211.13 | 27.55 | |
| SEZ.-20 475.00 | SC1 | $(6.81--8.33) \times (113.02+113.04) / 2$ $(5.50-6.81) \times (111.71+113.02) / 2$ $(1.50-5.50) \times (111.71+111.71) / 2$ $(1.00-1.50) \times (111.71+111.71) / 2$ $(0.00-1.00) \times (110.71+111.71) / 2$ $(-1.50-0.00) \times (110.71+110.71) / 2$ $(-2.50--1.50) \times (111.71+110.71) / 2$ $(-3.00--2.50) \times (111.71+111.71) / 2$ $(-7.00--3.00) \times (111.71+111.71) / 2$ $(-8.33--7.00) \times (113.04+111.71) / 2$ | 1711.27 -147.20 -446.84 -55.85 -111.21 -166.07 -111.21 -55.85 -446.84 -149.46 | 20.74 | |
| SEZ.-21 500.00 | SC1 | $(6.05--7.87) \times (112.32+112.32) / 2$ $(6.37-6.05) \times (112.32+112.32) / 2$ $(5.50-6.37) \times (111.45+112.32) / 2$ $(1.50-5.50) \times (111.45+111.45) / 2$ $(1.00-1.50) \times (111.45+111.45) / 2$ $(0.00-1.00) \times (110.45+111.45) / 2$ $(-1.50-0.00) \times (110.45+110.45) / 2$ $(-2.50--1.50) \times (111.45+110.45) / 2$ $(-3.00--2.50) \times (111.45+111.45) / 2$ $(-7.00--3.00) \times (111.45+111.45) / 2$ $(-7.87--7.00) \times (112.32+111.45) / 2$ | 1563.49 35.94 -97.34 -445.80 -55.73 -110.95 -165.68 -110.95 -55.73 -445.80 -97.34 | 14.11 | |
| SEZ.-22 525.00 | SC1 | $(6.60--7.67) \times (112.02+111.87) / 2$ $(5.77-6.60) \times (111.19+112.02) / 2$ $(1.63-5.77) \times (111.19+111.19) / 2$ $(1.00-1.63) \times (111.20+111.19) / 2$ $(0.00-1.00) \times (110.19+111.20) / 2$ $(-1.50-0.00) \times (110.19+110.19) / 2$ $(-2.50--1.50) \times (111.20+110.19) / 2$ $(-3.00--2.50) \times (111.19+111.20) / 2$ $(-7.00--3.00) \times (111.19+111.19) / 2$ $(-7.67--7.00) \times (111.87+111.19) / 2$ | 1597.46 -92.63 -460.33 -70.05 -110.69 -165.29 -110.69 -55.60 -444.76 -74.73 | 12.69 | |
| SEZ.-23 543.88 | SC1 | $(1.64--3.59) \times (111.76+111.59) / 2$ $(9.16-1.64) \times (111.73+111.76) / 2$ $(8.43-9.16) \times (111.00+111.73) / 2$ $(4.43-8.43) \times (111.00+111.00) / 2$ $(1.00-4.43) \times (111.00+111.00) / 2$ $(0.00-1.00) \times (110.00+111.00) / 2$ $(-1.50-0.00) \times (110.00+110.00) / 2$ $(-2.50--1.50) \times (111.00+110.00) / 2$ $(-3.00--2.50) \times (111.00+111.00) / 2$ $(-3.59--3.00) \times (111.59+111.00) / 2$ | 584.06 840.32 -81.30 -444.00 -380.73 -110.50 -165.00 -110.50 -55.50 -65.66 | 11.19 | |
| Il Direttore dei Lavori | | L'Impresa | | | |

| | | CALCOLO DELLE AREE | Foglio n. 5 | | |
|-------------------------|------|--|---|----------------------|------|
| SCOTICO | | | | | |
| N. SEZIONE PROG. | FIG. | ELEMENTI DI CALCOLO | AREA ELEMENTARE mq | AREA FIGURA mq | NOTE |
| SEZ.-2 25.00 | ST2 | $(-2.35--7.16) \times (114.47+114.51) / 2$ $(-7.16--2.35) \times (114.31+114.27) / 2$ | 550.70 -549.73 | 0.97 | |
| SEZ.-2 25.00 | ST1 | $(3.31-0.87) \times (114.57+114.48) / 2$ $(4.71-3.31) \times (114.62+114.57) / 2$ $(3.31-4.71) \times (114.37+114.42) / 2$ $(0.87-3.31) \times (114.28+114.37) / 2$ | 279.44 160.43 -160.15 -278.95 | 0.77 | |
| SEZ.-3 50.00 | ST2 | $(-8.57--12.82) \times (114.63+114.60) / 2$ $(-8.44--8.57) \times (114.63+114.63) / 2$ $(-2.45--8.44) \times (114.59+114.63) / 2$ $(-8.44--2.45) \times (114.43+114.39) / 2$ $(-8.57--8.44) \times (114.43+114.43) / 2$ $(-12.82--8.57) \times (114.40+114.43) / 2$ | 487.11 14.90 686.51 -685.32 -14.88 -486.26 | 2.06 | |
| SEZ.-3 50.00 | ST1 | $(7.01-0.93) \times (114.53+114.57) / 2$ $(0.93-7.01) \times (114.37+114.33) / 2$ | 696.46 -695.25 | 1.21 | |
| SEZ.-4 75.00 | ST2 | $(-11.69--12.71) \times (114.52+114.52) / 2$ $(-2.42--11.69) \times (114.56+114.52) / 2$ $(-11.69--2.42) \times (114.32+114.36) / 2$ $(-12.71--11.69) \times (114.32+114.32) / 2$ | 116.81 1061.79 -1059.93 -116.61 | 2.06 | |
| SEZ.-4 75.00 | ST1 | $(5.63-0.94) \times (114.59+114.57) / 2$ $(6.38-5.63) \times (114.59+114.59) / 2$ $(9.71-6.38) \times (114.57+114.59) / 2$ $(6.38-9.71) \times (114.39+114.37) / 2$ $(5.63-6.38) \times (114.39+114.39) / 2$ $(0.94-5.63) \times (114.37+114.39) / 2$ | 537.38 85.94 381.55 -380.89 -85.79 -536.44 | 1.75 | |
| SEZ.-5 94.29 | ST1 | $(9.20-6.61) \times (114.14+114.61) / 2$ $(9.60-9.20) \times (113.88+114.14) / 2$ $(9.84-9.60) \times (113.88+113.88) / 2$ $(9.60-9.84) \times (113.68+113.68) / 2$ $(9.20-9.60) \times (113.94+113.68) / 2$ $(6.61-9.20) \times (114.41+113.94) / 2$ | 296.23 45.60 27.33 -27.28 -45.52 -295.71 | 0.65 | |
| SEZ.-6 114.29 | ST2 | $(-2.46--8.25) \times (114.55+114.53) / 2$ $(-8.25--2.46) \times (114.33+114.35) / 2$ | 663.19 -662.03 | 1.16 | |
| SEZ.-6 114.29 | ST1 | $(7.37-0.97) \times (114.59+114.56) / 2$ $(0.97-7.37) \times (114.36+114.39) / 2$ | 733.28 -732.00 | 1.28 | |
| SEZ.-7 150.00 | ST1 | $(-2.49--7.06) \times (114.54+114.52) / 2$ $(-7.06--2.49) \times (114.32+114.34) / 2$ | 523.40 -522.49 | 0.91 | |
| SEZ.-8 175.00 | ST1 | $(-4.44--7.02) \times (114.53+114.52) / 2$ $(-7.02--4.44) \times (114.32+114.33) / 2$ | 295.47 -294.96 | 0.51 | |
| Il Direttore dei Lavori | | L'Impresa | | | |

| | | COMPUTO DEI VOLUMI | | | Foglio n. 6 | | | |
|-------------------------|----------------------|--------------------------------------|--------------------------|------------------------------|----------------------------------|----------------------------------|-----------------------------------|------------------------|
| RIPORTO | | | | | | | | |
| DALLA SEZ. DA PROG. | ALLA SEZ. A PROG. | SEZIONE | FIGURA | AREA | DISTANZA SEZIONI m | DISTANZA DI CALCOLO m | VOLUME PARZIALE mc | VOLUME TOTALE mc |
| SEZ.-1 0.00 | SEZ.-2 25.00 | SEZ.-2 SEZ.-2 | RI1 RI2 | 0.60 0.26 | 25.00 25.00 | 12.50 12.50 | 7.500 3.250 | 10.750 |
| SEZ.-2 25.00 | SEZ.-3 50.00 | SEZ.-2 SEZ.-3 SEZ.-3 | RI1 RI2 RI1 RI2 | 0.60 0.26 0.30 0.53 | 25.00 25.00 25.00 25.00 | 12.50 12.50 12.50 12.50 | 7.500 3.250 3.750 6.625 | 21.125 |
| SEZ.-3 50.00 | SEZ.-4 75.00 | SEZ.-3 SEZ.-3 SEZ.-4 SEZ.-4 | RI1 RI2 RI1 RI2 | 0.30 0.53 1.03 0.52 | 25.00 25.00 25.00 25.00 | 12.50 12.50 12.50 12.50 | 3.750 6.625 12.875 6.500 | 29.750 |
| SEZ.-4 75.00 | SEZ.-5 94.29 | SEZ.-4 SEZ.-4 SEZ.-5 | RI1 RI2 RI1 | 1.03 0.52 0.63 | 19.29 19.29 19.29 | 9.65 9.65 9.65 | 9.940 5.018 6.080 | 21.038 |
| SEZ.-5 94.29 | SEZ.-6 114.29 | SEZ.-5 SEZ.-6 SEZ.-6 | RI1 RI1 RI2 | 0.63 0.28 0.09 | 20.00 20.00 20.00 | 10.00 10.00 10.00 | 6.300 2.800 0.900 | 10.000 |
| SEZ.-6 114.29 | SEZ.-7 150.00 | SEZ.-6 SEZ.-6 SEZ.-7 | RI1 RI2 RI1 | 0.28 0.09 0.09 | 35.71 35.71 35.71 | 17.85 17.85 17.85 | 4.998 1.607 1.607 | 8.212 |
| SEZ.-7 150.00 | SEZ.-8 175.00 | SEZ.-7 SEZ.-8 | RI1 RI1 | 0.09 0.02 | 25.00 25.00 | 12.50 12.50 | 1.125 0.250 | 1.375 |
| SEZ.-8 | SEZ.-9 | SEZ.-8 | RI1 | 0.02 | 19.47 | 9.73 | 0.195 | 0.195 |
| Il Direttore dei Lavori | | L'Impresa | | | TOTALE ARTICOLO | | | 102.445 |

| | | COMPUTO DEI VOLUMI | | | Foglio n. 7 | | | |
|-------------------------|----------------------|----------------------------|-------------------|----------------------|--------------------------|-----------------------------|---------------------------|------------------------|
| SCAVO | | | | | | | | |
| DALLA SEZ. DA PROG. | ALLA SEZ. A PROG. | SEZIONE | FIGURA | AREA | DISTANZA SEZIONI m | DISTANZA DI CALCOLO m | VOLUME PARZIALE mc | VOLUME TOTALE mc |
| SEZ.-1 0.00 | SEZ.-2 25.00 | SEZ.-1 SEZ.-2 SEZ.-2 | SC1 SC1 SC2 | 5.57 1.98 0.01 | 25.00 25.00 25.00 | 12.50 12.50 12.50 | 69.625 24.750 0.125 | 94.500 |
| SEZ.-2 25.00 | SEZ.-3 50.00 | SEZ.-2 SEZ.-2 SEZ.-3 | SC1 SC2 SC1 | 1.98 0.01 2.30 | 25.00 25.00 25.00 | 12.50 12.50 12.50 | 24.750 0.125 28.750 | 53.625 |
| SEZ.-3 50.00 | SEZ.-4 75.00 | SEZ.-3 SEZ.-4 | SC1 SC1 | 2.30 2.25 | 25.00 25.00 | 12.50 12.50 | 28.750 28.125 | 56.875 |
| SEZ.-4 75.00 | SEZ.-5 94.29 | SEZ.-4 SEZ.-5 | SC1 SC1 | 2.25 8.06 | 19.29 19.29 | 9.65 9.65 | 21.713 77.779 | 99.492 |
| SEZ.-5 94.29 | SEZ.-6 114.29 | SEZ.-5 SEZ.-6 | SC1 SC1 | 8.06 2.38 | 20.00 20.00 | 10.00 10.00 | 80.600 23.800 | 104.400 |
| SEZ.-6 114.29 | SEZ.-7 150.00 | SEZ.-6 SEZ.-7 | SC1 SC1 | 2.38 2.61 | 35.71 35.71 | 17.85 17.85 | 42.483 46.589 | 89.072 |
| SEZ.-7 150.00 | SEZ.-8 175.00 | SEZ.-7 SEZ.-8 | SC1 SC1 | 2.61 2.69 | 25.00 25.00 | 12.50 12.50 | 32.625 33.625 | 66.250 |
| SEZ.-8 175.00 | SEZ.-9 194.47 | SEZ.-8 SEZ.-9 | SC1 SC1 | 2.69 4.25 | 19.47 19.47 | 9.73 9.73 | 26.174 41.352 | 67.526 |
| SEZ.-9 194.47 | SEZ.-10 214.47 | SEZ.-9 SEZ.-10 | SC1 SC1 | 4.25 8.03 | 20.00 20.00 | 10.00 10.00 | 42.500 80.300 | 122.800 |
| SEZ.-10 214.47 | SEZ.-11 250.00 | SEZ.-10 SEZ.-11 | SC1 SC1 | 8.03 9.33 | 35.53 35.53 | 17.77 17.77 | 142.693 165.794 | 308.487 |
| SEZ.-11 250.00 | SEZ.-12 275.00 | SEZ.-11 SEZ.-12 | SC1 SC1 | 9.33 11.98 | 25.00 25.00 | 12.50 12.50 | 116.625 149.750 | 266.375 |
| SEZ.-12 275.00 | SEZ.-13 300.00 | SEZ.-12 SEZ.-13 | SC1 SC1 | 11.98 15.31 | 25.00 25.00 | 12.50 12.50 | 149.750 191.375 | 341.125 |
| SEZ.-13 300.00 | SEZ.-14 325.00 | SEZ.-13 SEZ.-14 | SC1 SC1 | 15.31 18.28 | 25.00 25.00 | 12.50 12.50 | 191.375 228.500 | 419.875 |
| SEZ.-14 325.00 | SEZ.-15 350.00 | SEZ.-14 SEZ.-15 | SC1 SC1 | 18.28 19.08 | 25.00 25.00 | 12.50 12.50 | 228.500 238.500 | 467.000 |
| SEZ.-15 350.00 | SEZ.-16 375.00 | SEZ.-15 SEZ.-16 | SC1 SC1 | 19.08 21.63 | 25.00 25.00 | 12.50 12.50 | 238.500 270.375 | 508.875 |
| SEZ.-16 375.00 | SEZ.-17 400.00 | SEZ.-16 SEZ.-17 | SC1 SC1 | 21.63 24.13 | 25.00 25.00 | 12.50 12.50 | 270.375 301.625 | 572.000 |
| SEZ.-17 400.00 | SEZ.-18 425.00 | SEZ.-17 SEZ.-18 | SC1 SC1 | 24.13 26.38 | 25.00 25.00 | 12.50 12.50 | 301.625 329.750 | 631.375 |
| SEZ.-18 425.00 | SEZ.-19 450.00 | SEZ.-18 SEZ.-19 | SC1 SC1 | 26.38 27.55 | 25.00 25.00 | 12.50 12.50 | 329.750 344.375 | 674.125 |
| SEZ.-19 450.00 | SEZ.-20 475.00 | SEZ.-19 SEZ.-20 | SC1 SC1 | 27.55 20.74 | 25.00 25.00 | 12.50 12.50 | 344.375 259.250 | 603.625 |
| SEZ.-20 475.00 | SEZ.-21 500.00 | SEZ.-20 SEZ.-21 | SC1 SC1 | 20.74 14.11 | 25.00 25.00 | 12.50 12.50 | 259.250 176.375 | 435.625 |
| SEZ.-21 500.00 | SEZ.-22 525.00 | SEZ.-21 SEZ.-22 | SC1 SC1 | 14.11 12.69 | 25.00 25.00 | 12.50 12.50 | 176.375 158.625 | 335.000 |
| SEZ.-22 525.00 | SEZ.-23 543.88 | SEZ.-22 SEZ.-23 | SC1 SC1 | 12.69 11.19 | 18.88 18.88 | 9.44 9.44 | 119.794 105.634 | 225.428 |
| Il Direttore dei Lavori | | L'Impresa | | | TOTALE ARTICOLO | | | 6543.455 |

| | | COMPUTO DEI VOLUMI | | | Foglio n. 8 | | | |
|-------------------------|----------------------|--------------------------------------|--------------------------|------------------------------|----------------------------------|----------------------------------|--------------------------------------|------------------------|
| SCOTICO | | | | | | | | |
| DALLA SEZ. DA PROG. | ALLA SEZ. A PROG. | SEZIONE | FIGURA | AREA | DISTANZA SEZIONI m | DISTANZA DI CALCOLO m | VOLUME PARZIALE mc | VOLUME TOTALE mc |
| SEZ.-1 0.00 | SEZ.-2 25.00 | SEZ.-2 SEZ.-2 | ST2 ST1 | 0.97 0.77 | 25.00 25.00 | 12.50 12.50 | 12.125 9.625 | 21.750 |
| SEZ.-2 25.00 | SEZ.-3 50.00 | SEZ.-2 SEZ.-2 SEZ.-3 SEZ.-3 | ST2 ST1 ST2 ST1 | 0.97 0.77 2.06 1.21 | 25.00 25.00 25.00 25.00 | 12.50 12.50 12.50 12.50 | 12.125 9.625 25.750 15.125 | 62.625 |
| SEZ.-3 50.00 | SEZ.-4 75.00 | SEZ.-3 SEZ.-3 SEZ.-4 SEZ.-4 | ST2 ST1 ST2 ST1 | 2.06 1.21 2.06 1.75 | 25.00 25.00 25.00 25.00 | 12.50 12.50 12.50 12.50 | 25.750 15.125 25.750 21.875 | 88.500 |
| SEZ.-4 75.00 | SEZ.-5 94.29 | SEZ.-4 SEZ.-4 SEZ.-5 | ST2 ST1 ST1 | 2.06 1.75 0.65 | 19.29 19.29 19.29 | 9.65 9.65 9.65 | 19.879 16.887 6.273 | 43.039 |
| SEZ.-5 94.29 | SEZ.-6 114.29 | SEZ.-5 SEZ.-6 SEZ.-6 | ST1 ST2 ST1 | 0.65 1.16 1.28 | 20.00 20.00 20.00 | 10.00 10.00 10.00 | 6.500 11.600 12.800 | 30.900 |
| SEZ.-6 114.29 | SEZ.-7 150.00 | SEZ.-6 SEZ.-6 SEZ.-7 | ST2 ST1 ST1 | 1.16 1.28 0.91 | 35.71 35.71 35.71 | 17.85 17.85 17.85 | 20.706 22.848 16.244 | 59.798 |
| SEZ.-7 150.00 | SEZ.-8 175.00 | SEZ.-7 SEZ.-8 | ST1 ST1 | 0.91 0.51 | 25.00 25.00 | 12.50 12.50 | 11.375 6.375 | 17.750 |
| SEZ.-8 | SEZ.-9 | SEZ.-8 | ST1 | 0.51 | 19.47 | 9.73 | 4.962 | 4.962 |
| Il Direttore dei Lavori | | L'Impresa | | | TOTALE ARTICOLO | | | 329.324 |

| COMPUTO DEI VOLUMI | | Foglio n. 9 | |
|--|----|-------------|----------|
| Volume dalla sezione SEZ.-1 alla sezione SEZ.-23 | | | |
| ARTICOLO | | | VOLUME |
| RI RIPORTO | mc | | 102.445 |
| SC SCAVO | mc | | 6543.455 |
| ST SCOTICO | mc | | 329.324 |