

COMPUTATION OF VOLUMES

MAIN ROAD

| | | REMOVAL OF TOPSOIL | | | | | | | | | |
|-------------|----------|--------------------|----------------|---------------------------|---------------------------------------|--------------|----------------|-----------------------------------|---------------------------------------|--------------|----------------|
| STATION | DISTANCE | IN CUT AREA | | | IN FILL AREA | | | SIDE-BORROW SECTION (IN CUT AREA) | | | |
| | | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME i=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME i=10cm (m ³) | WIDTH (m) | AVERAGE (m) |
| 7 + 28.438 | 8.438 | 13.50 | 11.50 | 97.04 | 9.70 | 49.00 | 51.75 | 436.67 | 43.67 | | |
| 7 + 40.000 | 11.562 | 14.00 | 13.75 | 158.98 | 15.90 | 46.00 | 47.50 | 549.19 | 54.92 | | |
| 7 + 60.000 | 20.000 | 8.30 | 11.15 | 223.00 | 22.30 | 45.00 | 45.50 | 910.00 | 91.00 | | |
| 7 + 80.000 | 20.000 | 14.00 | 11.15 | 223.00 | 22.30 | 40.50 | 42.75 | 855.00 | 85.50 | | |
| 7 + 100.000 | 20.000 | 14.50 | 14.25 | 285.00 | 28.50 | 37.50 | 39.00 | 780.00 | 78.00 | | |
| 7 + 120.000 | 20.000 | 28.00 | 21.25 | 425.00 | 42.50 | 27.50 | 32.50 | 650.00 | 65.00 | | |
| 7 + 140.000 | 20.000 | 28.70 | 28.35 | 567.00 | 56.70 | 22.50 | 25.00 | 500.00 | 50.00 | | |
| 7 + 160.000 | 20.000 | 15.50 | 22.10 | 442.00 | 44.20 | 28.00 | 25.25 | 505.00 | 50.50 | | |
| 7 + 180.000 | 20.000 | 23.00 | 19.25 | 385.00 | 38.50 | 21.00 | 24.50 | 490.00 | 49.00 | | |
| 7 + 200.000 | 20.000 | 19.00 | 21.00 | 420.00 | 42.00 | 24.00 | 22.50 | 450.00 | 45.00 | | |
| 7 + 220.000 | 20.000 | 27.00 | 23.00 | 460.00 | 46.00 | 19.50 | 21.75 | 435.00 | 43.50 | | |
| 7 + 240.000 | 20.000 | 18.30 | 22.65 | 453.00 | 45.30 | 32.50 | 26.00 | 520.00 | 52.00 | | |
| 7 + 260.000 | 20.000 | 35.50 | 26.90 | 538.00 | 53.80 | 15.00 | 23.75 | 475.00 | 47.50 | | |
| 7 + 280.000 | 20.000 | 24.50 | 30.00 | 600.00 | 60.00 | 27.00 | 21.00 | 420.00 | 42.00 | | |
| 7 + 300.000 | 20.000 | 9.00 | 16.75 | 335.00 | 33.50 | 34.00 | 30.50 | 610.00 | 61.00 | | |
| 7 + 320.000 | 20.000 | 14.50 | 11.75 | 235.00 | 23.50 | 36.00 | 35.00 | 700.00 | 70.00 | | |
| 7 + 340.000 | 20.000 | 12.50 | 13.50 | 270.00 | 27.00 | 28.00 | 32.00 | 640.00 | 64.00 | | |
| 7 + 360.000 | 20.000 | 3.20 | 7.85 | 157.00 | 15.70 | 25.80 | 26.90 | 538.00 | 53.80 | | |
| 7 + 380.000 | 20.000 | 3.10 | 3.15 | 63.00 | 6.30 | 27.20 | 26.50 | 530.00 | 53.00 | | |
| 7 + 400.000 | 20.000 | 3.20 | 3.15 | 63.00 | 6.30 | 27.80 | 27.50 | 550.00 | 55.00 | | |
| 7 + 420.000 | 20.000 | 5.00 | 4.10 | 82.00 | 8.20 | 26.60 | 27.20 | 544.00 | 54.40 | | |
| 7 + 440.000 | 20.000 | 3.90 | 4.45 | 89.00 | 8.90 | 27.60 | 27.10 | 542.00 | 54.20 | | |
| 7 + 450.000 | 10.000 | 3.30 | 3.60 | 36.00 | 3.60 | 27.30 | 27.45 | 274.50 | 27.45 | | |
| 7 + 460.000 | 10.000 | 2.95 | 3.13 | 31.25 | 3.13 | 26.60 | 26.95 | 269.50 | 26.95 | | |
| 7 + 480.000 | 20.000 | 3.15 | 3.05 | 61.00 | 6.10 | 26.00 | 26.30 | 526.00 | 52.60 | | |
| 7 + 500.000 | 20.000 | 3.40 | 3.28 | 65.50 | 6.55 | 24.10 | 25.05 | 501.00 | 50.10 | | |
| 7 + 520.000 | 20.000 | 3.20 | 3.30 | 66.00 | 6.60 | 24.00 | 24.05 | 481.00 | 48.10 | | |
| 7 + 540.000 | 20.000 | 9.25 | 6.23 | 124.50 | 12.45 | 18.60 | 21.30 | 426.00 | 42.60 | | |
| 7 + 560.000 | 20.000 | 10.20 | 9.73 | 194.50 | 19.45 | 17.50 | 18.05 | 361.00 | 36.10 | | |
| 7 + 580.000 | 20.000 | 10.45 | 10.33 | 206.50 | 20.65 | 17.30 | 17.40 | 348.00 | 34.80 | | |

COMPUTATION OF VOLUMES

MAIN ROAD

| STATION | DISTANCE | REMOVAL OF TOPSOIL | | | | | | SIDE-BORROW SECTION (IN CUT AREA) | | | | | |
|-------------|----------|--------------------|----------------|---------------------------|---------------------------------------|--------------|----------------|-----------------------------------|---------------------------------------|--------------|-----------------------------------|---------------------------|---------------------------------------|
| | | IN CUT AREA | | | IN FILL AREA | | | SIDE-BORROW SECTION (IN CUT AREA) | | | SIDE-BORROW SECTION (IN CUT AREA) | | |
| | | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) |
| 7 + 640.000 | 20.000 | 27.10 | 18.78 | 375.50 | 37.55 | | | 173.00 | 17.30 | | | | |
| 7 + 600.107 | 0.107 | 20.80 | 23.95 | 2.56 | 0.26 | 7.00 | 3.50 | 0.37 | 0.04 | | | | |
| 7 + 620.000 | 19.893 | 5.15 | 12.98 | 258.11 | 25.81 | 21.60 | 14.30 | 284.47 | 28.45 | | | | |
| 7 + 640.000 | 20.000 | 8.45 | 6.80 | 136.00 | 13.60 | 18.60 | 20.10 | 402.00 | 40.20 | | | | |
| 7 + 660.000 | 20.000 | 5.20 | 6.83 | 136.50 | 13.65 | 23.60 | 21.10 | 422.00 | 42.20 | | | | |
| 7 + 680.000 | 20.000 | 3.50 | 4.35 | 87.00 | 8.70 | 26.40 | 25.00 | 500.00 | 50.00 | | | | |
| 7 + 700.000 | 20.000 | 7.90 | 5.70 | 114.00 | 11.40 | 26.90 | 26.65 | 533.00 | 53.30 | | | | |
| 7 + 720.000 | 20.000 | 8.30 | 8.10 | 162.00 | 16.20 | 25.80 | 26.35 | 527.00 | 52.70 | | | | |
| 7 + 740.000 | 20.000 | 5.90 | 7.10 | 142.00 | 14.20 | 25.60 | 25.70 | 514.00 | 51.40 | | | | |
| 7 + 760.000 | 20.000 | 12.10 | 9.00 | 180.00 | 18.00 | 18.30 | 21.95 | 439.00 | 43.90 | | | | |
| 7 + 780.000 | 20.000 | 29.35 | 20.73 | 414.50 | 41.45 | | 9.15 | 183.00 | 18.30 | | | | |
| 7 + 800.000 | 20.000 | 26.83 | 28.09 | 561.80 | 56.18 | 3.40 | 1.70 | 34.00 | 3.40 | | | | |
| 7 + 820.000 | 20.000 | 29.75 | 28.29 | 565.80 | 56.58 | | 1.70 | 34.00 | 3.40 | | | | |
| 7 + 840.000 | 20.000 | 30.70 | 30.23 | 604.50 | 60.45 | | 0.00 | 0.00 | 0.00 | | | | |
| 7 + 860.000 | 20.000 | 29.90 | 30.30 | 606.00 | 60.60 | | 0.00 | 0.00 | 0.00 | | | | |
| 7 + 880.000 | 20.000 | 35.45 | 32.68 | 653.50 | 65.35 | | 0.00 | 0.00 | 0.00 | | | | |
| 7 + 900.000 | 20.000 | 35.90 | 35.68 | 713.50 | 71.35 | | 0.00 | 0.00 | 0.00 | | | | |
| 7 + 920.000 | 20.000 | 37.15 | 36.53 | 730.50 | 73.05 | | 0.00 | 0.00 | 0.00 | | | | |
| 7 + 940.000 | 20.000 | 36.40 | 36.78 | 735.50 | 73.55 | | 0.00 | 0.00 | 0.00 | | | | |
| 7 + 960.000 | 20.000 | 36.40 | 36.40 | 728.00 | 72.80 | | 0.00 | 0.00 | 0.00 | | | | |
| 7 + 980.000 | 20.000 | 37.35 | 36.88 | 731.50 | 73.15 | | 0.00 | 0.00 | 0.00 | | | | |
| 8 + 0.000 | 20.000 | 37.75 | 37.55 | 751.00 | 75.10 | | 0.00 | 0.00 | 0.00 | | | | |
| 8 + 20.000 | 20.000 | 40.55 | 39.15 | 783.00 | 78.30 | | 0.00 | 0.00 | 0.00 | | | | |
| 8 + 40.000 | 20.000 | 37.35 | 38.95 | 719.00 | 71.90 | | 0.00 | 0.00 | 0.00 | | | | |
| 8 + 60.000 | 20.000 | 42.80 | 40.08 | 801.50 | 80.15 | | 0.00 | 0.00 | 0.00 | | | | |
| 8 + 80.000 | 20.000 | 40.30 | 41.55 | 831.00 | 83.10 | | 0.00 | 0.00 | 0.00 | | | | |
| 8 + 100.000 | 20.000 | 40.10 | 40.20 | 804.00 | 80.40 | | 0.00 | 0.00 | 0.00 | | | | |
| 8 + 120.000 | 20.000 | 38.40 | 39.25 | 785.00 | 78.50 | | 0.00 | 0.00 | 0.00 | | | | |
| 8 + 140.000 | 20.000 | 39.40 | 38.90 | 778.00 | 77.80 | | 0.00 | 0.00 | 0.00 | | | | |
| 8 + 153.505 | 13.505 | 31.60 | 35.50 | 479.43 | 47.94 | | 0.00 | 0.00 | 0.00 | | | | |

COMPUTATION OF VOLUMES

MAIN ROAD

| STATION | DISTANCE | REMOVAL OF TOPSOIL | | | | | | SIDE-BORROW SECTION (IN CUT AREA) | | | | | |
|-------------|----------|--------------------|----------------|---------------------------|---------------------------------------|--------------|----------------|-----------------------------------|---------------------------------------|--------------|----------------|---------------------------|---------------------------------------|
| | | IN CUT AREA | | | IN FILL AREA | | | IN CUT AREA | | | IN FILL AREA | | |
| | | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) |
| 8 + 160.000 | 6.495 | 28.60 | 30.10 | 195.50 | 19.55 | 3.00 | 1.50 | 9.74 | 0.97 | | | | |
| 8 + 180.000 | 20.000 | 29.20 | 28.90 | 578.00 | 57.80 | 8.50 | 5.75 | 115.00 | 11.50 | | | | |
| 8 + 200.000 | 20.000 | 12.50 | 20.85 | 417.00 | 41.70 | 27.40 | 17.95 | 359.00 | 35.90 | | | | |
| 8 + 220.000 | 20.000 | 10.00 | 11.25 | 225.00 | 22.50 | 26.80 | 27.10 | 542.00 | 54.20 | | | | |
| 8 + 240.000 | 20.000 | 7.80 | 8.90 | 178.00 | 17.80 | 23.50 | 25.15 | 503.00 | 50.30 | | | | |
| 8 + 260.000 | 20.000 | 5.75 | 6.78 | 135.50 | 13.55 | 32.90 | 28.20 | 564.00 | 56.40 | | | | |
| 8 + 280.000 | 20.000 | 4.80 | 5.28 | 105.50 | 10.55 | 37.30 | 35.10 | 702.00 | 70.20 | | | | |
| 8 + 300.000 | 20.000 | 3.80 | 4.30 | 86.00 | 8.60 | 36.10 | 36.70 | 734.00 | 73.40 | | | | |
| 8 + 303.505 | 3.505 | 4.25 | 4.03 | 14.11 | 1.41 | 35.40 | 35.75 | 125.30 | 12.53 | | | | |
| 8 + 320.000 | 16.495 | 4.10 | 4.18 | 68.87 | 6.89 | 34.10 | 34.75 | 573.20 | 57.32 | | | | |
| 8 + 340.000 | 20.000 | 3.70 | 3.90 | 78.00 | 7.80 | 32.20 | 33.15 | 663.00 | 66.30 | | | | |
| 8 + 358.544 | 18.544 | 10.65 | 7.18 | 133.05 | 13.31 | 25.10 | 28.65 | 531.29 | 53.13 | | | | |
| 8 + 360.000 | 1.456 | 10.95 | 10.80 | 15.72 | 1.57 | 25.30 | 25.20 | 36.69 | 3.67 | | | | |
| 8 + 380.000 | 20.000 | 19.70 | 15.33 | 306.50 | 30.65 | 17.10 | 21.20 | 424.00 | 42.40 | | | | |
| 8 + 400.000 | 20.000 | 29.00 | 24.35 | 487.00 | 48.70 | 6.30 | 11.70 | 234.00 | 23.40 | | | | |
| 8 + 420.000 | 20.000 | 38.40 | 33.70 | 674.00 | 67.40 | | 3.15 | 63.00 | 6.30 | | | | |
| 8 + 440.000 | 20.000 | 34.00 | 36.20 | 724.00 | 72.40 | | 0.00 | 0.00 | 0.00 | | | | |
| 8 + 460.000 | 20.000 | 27.60 | 30.80 | 616.00 | 61.60 | 10.80 | 5.40 | 108.00 | 10.80 | | | | |
| 8 + 480.000 | 20.000 | 20.15 | 23.88 | 477.50 | 47.75 | 27.30 | 19.05 | 381.00 | 38.10 | | | | |
| 8 + 500.000 | 20.000 | 16.70 | 18.43 | 368.50 | 36.85 | 18.20 | 22.75 | 455.00 | 45.50 | | | | |
| 8 + 520.000 | 20.000 | 15.10 | 15.90 | 318.00 | 31.80 | 15.20 | 16.70 | 334.00 | 33.40 | | | | |
| 8 + 540.000 | 20.000 | 29.90 | 22.50 | 450.00 | 45.00 | | 7.60 | 152.00 | 15.20 | | | | |
| 8 + 560.000 | 20.000 | 34.30 | 32.10 | 642.00 | 64.20 | | 0.00 | 0.00 | 0.00 | | | | |
| 8 + 580.000 | 20.000 | 37.80 | 36.05 | 721.00 | 72.10 | | 0.00 | 0.00 | 0.00 | | | | |
| 8 + 600.000 | 20.000 | 41.80 | 39.80 | 796.00 | 79.60 | | 0.00 | 0.00 | 0.00 | | | | |
| 8 + 608.544 | 8.544 | 40.50 | 41.15 | 351.59 | 35.16 | | 0.00 | 0.00 | 0.00 | | | | |
| 8 + 620.000 | 11.456 | 41.60 | 41.05 | 470.27 | 47.03 | | 0.00 | 0.00 | 0.00 | | | | |
| 8 + 640.000 | 20.000 | 42.80 | 42.20 | 844.00 | 84.40 | | 0.00 | 0.00 | 0.00 | | | | |
| 8 + 660.000 | 20.000 | 43.40 | 43.10 | 862.00 | 86.20 | | 0.00 | 0.00 | 0.00 | | | | |
| 8 + 680.000 | 20.000 | 46.00 | 44.70 | 894.00 | 89.40 | | 0.00 | 0.00 | 0.00 | | | | |

COMPUTATION OF VOLUMES

MAIN ROAD

| STATION | DISTANCE | REMOVAL OF TOPSOIL | | | | | | | | | |
|-------------|----------|--------------------|----------------|---------------------------|---------------------------------------|--------------|----------------|---------------------------|---------------------------------------|--------------|----------------|
| | | IN CUT AREA | | | | | IN FILL AREA | | | | |
| | | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) | WIDTH (m) | AVERAGE (m) |
| 8 + 700.000 | 20.000 | 47.50 | 46.75 | 935.00 | 93.50 | | 0.00 | 0.00 | 0.00 | | |
| 8 + 720.000 | 20.000 | 42.20 | 44.85 | 897.00 | 89.70 | | 0.00 | 0.00 | 0.00 | | |
| 8 + 740.000 | 20.000 | 39.70 | 40.95 | 819.00 | 81.90 | | 0.00 | 0.00 | 0.00 | | |
| 8 + 760.000 | 20.000 | 34.60 | 37.15 | 743.00 | 74.30 | | 0.00 | 0.00 | 0.00 | | |
| 8 + 780.000 | 20.000 | 33.70 | 34.15 | 683.00 | 68.30 | | 0.00 | 0.00 | 0.00 | | |
| 8 + 800.000 | 20.000 | 37.70 | 35.70 | 714.00 | 71.40 | | 0.00 | 0.00 | 0.00 | | |
| 8 + 820.000 | 20.000 | 36.10 | 36.90 | 738.00 | 73.80 | | 0.00 | 0.00 | 0.00 | | |
| 8 + 840.000 | 20.000 | 33.80 | 34.95 | 699.00 | 69.90 | | 0.00 | 0.00 | 0.00 | | |
| 8 + 860.000 | 20.000 | | 16.90 | 338.00 | 33.80 | 9.00 | 4.50 | 90.00 | 9.00 | | |
| 8 + 875.638 | 15.638 | | 0.00 | 0.00 | 0.00 | 30.00 | 19.50 | 304.94 | 30.49 | | |
| 8 + 880.000 | 4.362 | | 0.00 | 0.00 | 0.00 | 30.00 | 30.00 | 130.86 | 13.09 | | |
| 8 + 900.000 | 20.000 | | 0.00 | 0.00 | 0.00 | 26.00 | 28.00 | 560.00 | 56.00 | | |
| 8 + 920.000 | 20.000 | 3.50 | 1.75 | 35.00 | 3.50 | 46.40 | 36.20 | 724.00 | 72.40 | | |
| 8 + 940.000 | 20.000 | 3.90 | 3.70 | 74.00 | 7.40 | 40.40 | 43.40 | 868.00 | 86.80 | | |
| 8 + 960.000 | 20.000 | | 1.95 | 39.00 | 3.90 | | 20.20 | 404.00 | 40.40 | | |
| 8 + 980.000 | 20.000 | | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | | |
| 9 + 0.000 | 20.000 | | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | | |
| 9 + 20.000 | 20.000 | | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | | |
| 9 + 40.000 | 20.000 | 3.00 | 1.50 | 30.00 | 3.00 | 30.10 | 15.05 | 301.00 | 30.10 | | |
| 9 + 60.000 | 20.000 | 44.80 | 23.90 | 478.00 | 47.80 | | 15.05 | 301.00 | 30.10 | | |
| 9 + 80.000 | 20.000 | 33.80 | 39.30 | 786.00 | 78.60 | | 0.00 | 0.00 | 0.00 | | |
| 9 + 100.000 | 20.000 | 37.50 | 35.65 | 713.00 | 71.30 | | 0.00 | 0.00 | 0.00 | | |
| 9 + 120.000 | 20.000 | 52.80 | 45.15 | 903.00 | 90.30 | | 0.00 | 0.00 | 0.00 | | |
| 9 + 125.638 | 5.638 | 53.40 | 53.10 | 299.38 | 29.94 | | 0.00 | 0.00 | 0.00 | | |
| 9 + 140.000 | 14.362 | 49.80 | 51.60 | 741.08 | 74.11 | | 0.00 | 0.00 | 0.00 | | |
| 9 + 160.000 | 20.000 | 42.50 | 46.15 | 923.00 | 92.30 | | 0.00 | 0.00 | 0.00 | | |
| 9 + 180.000 | 20.000 | 36.30 | 39.40 | 788.00 | 78.80 | | 0.00 | 0.00 | 0.00 | | |
| 9 + 200.000 | 20.000 | 31.40 | 33.85 | 677.00 | 67.70 | 7.40 | 3.70 | 74.00 | 7.40 | | |
| 9 + 220.000 | 20.000 | 26.80 | 29.10 | 582.00 | 58.20 | 12.60 | 10.00 | 200.00 | 20.00 | | |
| 9 + 240.000 | 20.000 | 22.90 | 24.85 | 497.00 | 49.70 | 17.00 | 14.80 | 296.00 | 29.60 | | |

COMPUTATION OF VOLUMES

MAIN ROAD

| STATION | DISTANCE | REMOVAL OF TOPSOIL | | | | | | SIDE-BORROW SECTION (IN CUT AREA) | | | | | |
|-------------|----------|--------------------|----------------|---------------------------|---------------------------------------|--------------|----------------|-----------------------------------|---------------------------------------|--------------|----------------|---------------------------|---------------------------------------|
| | | IN CUT AREA | | | IN FILL AREA | | | WIDTH | | | AVERAGE | | |
| | | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) |
| 9 + 260.000 | 20.000 | 16.60 | 19.75 | 395.00 | 39.50 | 27.40 | 19.70 | 394.00 | 39.40 | | | | |
| 9 + 275.638 | 15.638 | 14.20 | 15.40 | 240.83 | 24.08 | 21.70 | 22.05 | 344.82 | 34.48 | | | | |
| 9 + 280.000 | 4.362 | 13.40 | 13.80 | 60.20 | 6.02 | 21.90 | 21.80 | 95.09 | 9.51 | | | | |
| 9 + 300.000 | 20.000 | 12.50 | 12.95 | 259.00 | 25.90 | 23.80 | 22.85 | 457.00 | 45.70 | | | | |
| 9 + 320.000 | 20.000 | 13.55 | 13.03 | 260.50 | 26.05 | 23.30 | 24.55 | 491.00 | 49.10 | | | | |
| 9 + 340.000 | 20.000 | 14.25 | 13.90 | 278.00 | 27.80 | 23.80 | 24.55 | 491.00 | 49.10 | | | | |
| 9 + 360.000 | 20.000 | 13.85 | 14.05 | 281.00 | 28.10 | 24.00 | 23.90 | 478.00 | 47.80 | | | | |
| 9 + 380.000 | 20.000 | 10.50 | 12.18 | 243.50 | 24.35 | 28.70 | 26.35 | 527.00 | 52.70 | | | | |
| 9 + 400.000 | 20.000 | 3.30 | 6.90 | 138.00 | 13.80 | 37.30 | 33.00 | 660.00 | 66.00 | | | | |
| 9 + 420.000 | 20.000 | 2.90 | 3.10 | 62.00 | 6.20 | 37.90 | 37.60 | 752.00 | 75.20 | | | | |
| 9 + 440.000 | 20.000 | 5.20 | 4.05 | 81.00 | 8.10 | 38.90 | 38.40 | 768.00 | 76.80 | | | | |
| 9 + 460.000 | 20.000 | 4.60 | 4.90 | 98.00 | 9.80 | 39.70 | 39.30 | 786.00 | 78.60 | | | | |
| 9 + 480.000 | 20.000 | 4.20 | 4.40 | 88.00 | 8.80 | 37.40 | 38.55 | 771.00 | 77.10 | | | | |
| 9 + 500.000 | 20.000 | 4.10 | 4.15 | 83.00 | 8.30 | 37.80 | 37.60 | 752.00 | 75.20 | | | | |
| 9 + 520.000 | 20.000 | 3.50 | 3.80 | 76.00 | 7.60 | 38.30 | 38.05 | 761.00 | 76.10 | | | | |
| 9 + 540.000 | 20.000 | 4.00 | 3.75 | 75.00 | 7.50 | 37.90 | 38.10 | 762.00 | 76.20 | | | | |
| 9 + 560.000 | 20.000 | 4.10 | 4.05 | 81.00 | 8.10 | 37.30 | 37.60 | 752.00 | 75.20 | | | | |
| 9 + 580.000 | 20.000 | 4.10 | 4.10 | 82.00 | 8.20 | 35.60 | 36.45 | 729.00 | 72.90 | | | | |
| 9 + 600.000 | 20.000 | 4.90 | 4.50 | 90.00 | 9.00 | 34.00 | 34.80 | 696.00 | 69.60 | | | | |
| 9 + 620.000 | 20.000 | 4.00 | 4.45 | 89.00 | 8.90 | 33.50 | 33.75 | 675.00 | 67.50 | | | | |
| 9 + 640.000 | 20.000 | 4.00 | 4.00 | 80.00 | 8.00 | 32.50 | 33.00 | 660.00 | 66.00 | | | | |
| 9 + 660.000 | 20.000 | 4.70 | 4.35 | 87.00 | 8.70 | 30.00 | 31.25 | 625.00 | 62.50 | | | | |
| 9 + 680.000 | 20.000 | 6.40 | 5.55 | 111.00 | 11.10 | 28.20 | 29.10 | 582.00 | 58.20 | | | | |
| 9 + 700.000 | 20.000 | 7.25 | 6.83 | 136.50 | 13.65 | 26.70 | 27.45 | 549.00 | 54.90 | | | | |
| 9 + 720.000 | 20.000 | 8.50 | 7.88 | 157.50 | 15.75 | 25.60 | 26.15 | 523.00 | 52.30 | | | | |
| 9 + 740.000 | 20.000 | 9.10 | 8.80 | 176.00 | 17.60 | 24.50 | 25.05 | 501.00 | 50.10 | | | | |
| 9 + 760.000 | 20.000 | 9.90 | 9.50 | 190.00 | 19.00 | 23.10 | 23.80 | 476.00 | 47.60 | | | | |
| 9 + 780.000 | 20.000 | 13.20 | 11.55 | 231.00 | 23.10 | 21.10 | 22.10 | 442.00 | 44.20 | | | | |
| 9 + 783.604 | 3.604 | 20.60 | 16.90 | 60.91 | 6.09 | 20.80 | 20.95 | 75.50 | 7.55 | | | | |
| 9 + 800.000 | 16.396 | 26.80 | 23.70 | 388.59 | 38.86 | 12.70 | 16.75 | 274.63 | 27.46 | 9.00 | 4.50 | 73.78 | 7.38 |

COMPUTATION OF VOLUMES

MAIN ROAD

| STATION | DISTANCE | REMOVAL OF TOPSOIL | | | | | | SIDE-BORROW SECTION (IN CUT AREA) | | | | | |
|--------------|----------|--------------------|----------------|---------------------------|---------------------------------------|--------------|----------------|-----------------------------------|---------------------------------------|--------------|----------------|---------------------------|---------------------------------------|
| | | IN CUT AREA | | | IN FILL AREA | | | IN CUT AREA | | | IN FILL AREA | | |
| | | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME I=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME I=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME I=10cm (m ³) |
| 9 + 820.000 | 20.000 | 33.70 | 30.25 | 605.00 | 60.50 | 3.50 | 8.10 | 162.00 | 16.20 | 8.00 | 8.50 | 170.00 | 17.00 |
| 9 + 840.000 | 20.000 | 36.80 | 35.25 | 705.00 | 70.50 | | 1.75 | 35.00 | 3.50 | 7.00 | 7.50 | 150.00 | 15.00 |
| 9 + 860.000 | 20.000 | 38.90 | 37.85 | 757.00 | 75.70 | | 0.00 | 0.00 | 0.00 | 16.00 | 11.50 | 230.00 | 23.00 |
| 9 + 880.000 | 20.000 | 40.60 | 39.75 | 795.00 | 79.50 | | 0.00 | 0.00 | 0.00 | 18.00 | 17.00 | 340.00 | 34.00 |
| 9 + 900.000 | 20.000 | 41.30 | 40.95 | 819.00 | 81.90 | | 0.00 | 0.00 | 0.00 | 17.00 | 17.50 | 350.00 | 35.00 |
| 9 + 920.000 | 20.000 | 43.40 | 42.35 | 847.00 | 84.70 | | 0.00 | 0.00 | 0.00 | 15.00 | 16.00 | 320.00 | 32.00 |
| 9 + 940.000 | 20.000 | 46.10 | 44.75 | 895.00 | 89.50 | | 0.00 | 0.00 | 0.00 | 12.00 | 13.50 | 270.00 | 27.00 |
| 9 + 960.000 | 20.000 | 43.00 | 44.55 | 891.00 | 89.10 | | 0.00 | 0.00 | 0.00 | 10.00 | 11.00 | 220.00 | 22.00 |
| 9 + 980.000 | 20.000 | 48.80 | 45.90 | 918.00 | 91.80 | | 0.00 | 0.00 | 0.00 | 9.50 | 9.75 | 195.00 | 19.50 |
| 10 + 0.000 | 20.000 | 48.30 | 48.55 | 971.00 | 97.10 | | 0.00 | 0.00 | 0.00 | 9.50 | 9.50 | 190.00 | 19.00 |
| 10 + 20.000 | 20.000 | 47.40 | 47.85 | 957.00 | 95.70 | | 0.00 | 0.00 | 0.00 | 10.00 | 9.75 | 195.00 | 19.50 |
| 10 + 40.000 | 20.000 | 46.20 | 46.80 | 936.00 | 93.60 | | 0.00 | 0.00 | 0.00 | 11.50 | 10.75 | 215.00 | 21.50 |
| 10 + 60.000 | 20.000 | 44.80 | 45.50 | 910.00 | 91.00 | | 0.00 | 0.00 | 0.00 | 13.00 | 12.25 | 245.00 | 24.50 |
| 10 + 80.000 | 20.000 | 43.20 | 44.00 | 880.00 | 88.00 | | 0.00 | 0.00 | 0.00 | 14.50 | 13.75 | 275.00 | 27.50 |
| 10 + 83.604 | 3.604 | 42.60 | 42.90 | 154.61 | 15.46 | | 0.00 | 0.00 | 0.00 | 15.00 | 14.75 | 53.16 | 5.32 |
| 10 + 100.000 | 16.396 | 41.60 | 42.10 | 690.27 | 69.03 | | 0.00 | 0.00 | 0.00 | 16.50 | 15.75 | 258.24 | 25.82 |
| 10 + 120.000 | 20.000 | 40.40 | 41.00 | 820.00 | 82.00 | | 0.00 | 0.00 | 0.00 | 17.50 | 17.00 | 340.00 | 34.00 |
| 10 + 140.000 | 20.000 | 39.30 | 39.85 | 797.00 | 79.70 | | 0.00 | 0.00 | 0.00 | 18.50 | 18.00 | 360.00 | 36.00 |
| 10 + 160.000 | 20.000 | 38.20 | 38.75 | 775.00 | 77.50 | | 0.00 | 0.00 | 0.00 | 19.50 | 19.00 | 380.00 | 38.00 |
| 10 + 180.000 | 20.000 | 38.00 | 38.10 | 762.00 | 76.20 | | 0.00 | 0.00 | 0.00 | 20.50 | 20.00 | 400.00 | 40.00 |
| 10 + 200.000 | 20.000 | 36.20 | 37.10 | 742.00 | 74.20 | | 0.00 | 0.00 | 0.00 | 20.50 | 20.50 | 410.00 | 41.00 |
| 10 + 220.000 | 20.000 | 35.60 | 35.90 | 718.00 | 71.80 | | 0.00 | 0.00 | 0.00 | 22.50 | 21.50 | 430.00 | 43.00 |
| 10 + 240.000 | 20.000 | 35.00 | 35.30 | 706.00 | 70.60 | | 0.00 | 0.00 | 0.00 | 22.50 | 22.50 | 450.00 | 45.00 |
| 10 + 260.000 | 20.000 | 34.50 | 34.75 | 695.00 | 69.50 | | 0.00 | 0.00 | 0.00 | 23.00 | 22.75 | 455.00 | 45.50 |
| 10 + 280.000 | 20.000 | 34.50 | 34.50 | 690.00 | 69.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 10 + 300.000 | 20.000 | 34.50 | 34.50 | 690.00 | 69.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 10 + 320.000 | 20.000 | 34.80 | 34.65 | 693.00 | 69.30 | | 0.00 | 0.00 | 0.00 | | | | |
| 10 + 340.000 | 20.000 | 35.30 | 35.05 | 701.00 | 70.10 | | 0.00 | 0.00 | 0.00 | | | | |
| 10 + 360.000 | 20.000 | 36.10 | 35.70 | 714.00 | 71.40 | | 0.00 | 0.00 | 0.00 | | | | |
| 10 + 380.000 | 20.000 | 36.40 | 36.25 | 725.00 | 72.50 | | 0.00 | 0.00 | 0.00 | | | | |

COMPUTATION OF VOLUMES

MAIN ROAD

| STATION | DISTANCE | REMOVAL OF TOPSOIL | | | | | | SIDE-BORROW SECTION (IN CUT AREA) | | | | | |
|--------------|----------|--------------------|----------------|---------------------------|---------------------------------------|--------------|----------------|-----------------------------------|---------------------------------------|--------------|----------------|---------------------------|---------------------------------------|
| | | IN CUT AREA | | | IN FILL AREA | | | WIDTH | | | AVERAGE | | |
| | | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME I=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME I=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME I=10cm (m ³) |
| 10 + 400.000 | 20.000 | 36.80 | 36.60 | 732.00 | 73.20 | | 0.00 | 0.00 | 0.00 | | | | |
| 10 + 415.887 | 15.887 | 37.60 | 37.20 | 591.00 | 59.10 | | 0.00 | 0.00 | 0.00 | | | | |
| 10 + 420.000 | 4.113 | 37.80 | 37.70 | 155.06 | 15.51 | | 0.00 | 0.00 | 0.00 | | | | |
| 10 + 440.000 | 20.000 | 38.50 | 38.15 | 763.00 | 76.30 | | 0.00 | 0.00 | 0.00 | | | | |
| 10 + 460.000 | 20.000 | 38.60 | 38.55 | 771.00 | 77.10 | | 0.00 | 0.00 | 0.00 | | | | |
| 10 + 480.000 | 20.000 | 38.60 | 38.60 | 772.00 | 77.20 | | 0.00 | 0.00 | 0.00 | | | | |
| 10 + 500.000 | 20.000 | 38.30 | 38.45 | 769.00 | 76.90 | | 0.00 | 0.00 | 0.00 | | | | |
| 10 + 520.000 | 20.000 | 37.70 | 38.00 | 760.00 | 76.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 10 + 540.000 | 20.000 | 36.30 | 37.00 | 740.00 | 74.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 10 + 560.000 | 20.000 | 35.00 | 35.65 | 713.00 | 71.30 | | 0.00 | 0.00 | 0.00 | | | | |
| 10 + 565.887 | 5.887 | 34.70 | 34.85 | 205.16 | 20.52 | | 0.00 | 0.00 | 0.00 | | | | |
| 10 + 580.000 | 14.113 | 34.20 | 34.45 | 486.19 | 48.62 | | 0.00 | 0.00 | 0.00 | | | | |
| 10 + 600.000 | 20.000 | 35.60 | 34.90 | 698.00 | 69.80 | | 0.00 | 0.00 | 0.00 | | | | |
| 10 + 620.000 | 20.000 | 33.50 | 34.55 | 691.00 | 69.10 | | 0.00 | 0.00 | 0.00 | | | | |
| 10 + 640.000 | 20.000 | 33.80 | 33.65 | 673.00 | 67.30 | | 0.00 | 0.00 | 0.00 | | | | |
| 10 + 660.000 | 20.000 | 34.30 | 34.05 | 681.00 | 68.10 | | 0.00 | 0.00 | 0.00 | | | | |
| 10 + 680.000 | 20.000 | 34.90 | 34.60 | 692.00 | 69.20 | | 0.00 | 0.00 | 0.00 | | | | |
| 10 + 700.000 | 20.000 | 36.20 | 35.55 | 711.00 | 71.10 | | 0.00 | 0.00 | 0.00 | | | | |
| 10 + 715.887 | 15.887 | 37.40 | 36.80 | 584.64 | 58.46 | | 0.00 | 0.00 | 0.00 | | | | |
| 10 + 720.000 | 4.113 | 37.80 | 37.60 | 154.65 | 15.46 | | 0.00 | 0.00 | 0.00 | | | | |
| 10 + 740.000 | 20.000 | 39.60 | 38.70 | 774.00 | 77.40 | | 0.00 | 0.00 | 0.00 | | | | |
| 10 + 760.000 | 20.000 | 41.60 | 40.60 | 812.00 | 81.20 | | 0.00 | 0.00 | 0.00 | | | | |
| 10 + 780.000 | 20.000 | 43.30 | 42.45 | 849.00 | 84.90 | | 0.00 | 0.00 | 0.00 | | | | |
| 10 + 800.000 | 20.000 | 45.50 | 44.40 | 888.00 | 88.80 | | 0.00 | 0.00 | 0.00 | | | | |
| 10 + 820.000 | 20.000 | 46.40 | 45.95 | 919.00 | 91.90 | | 0.00 | 0.00 | 0.00 | | | | |
| 10 + 840.000 | 20.000 | 49.30 | 47.85 | 957.00 | 95.70 | | 0.00 | 0.00 | 0.00 | | | | |
| 10 + 860.000 | 20.000 | 48.20 | 48.75 | 975.00 | 97.50 | | 0.00 | 0.00 | 0.00 | | | | |
| 10 + 880.000 | 20.000 | 45.50 | 46.85 | 937.00 | 93.70 | | 0.00 | 0.00 | 0.00 | | | | |
| 10 + 900.000 | 20.000 | 43.20 | 44.35 | 887.00 | 88.70 | | 0.00 | 0.00 | 0.00 | | | | |
| 10 + 920.000 | 20.000 | 41.00 | 42.10 | 842.00 | 84.20 | | 0.00 | 0.00 | 0.00 | | | | |

COMPUTATION OF VOLUMES

MAIN ROAD

| STATION | DISTANCE | REMOVAL OF TOPSOIL | | | | | | SIDE-BORROW SECTION (IN CUT AREA) | | | | | |
|--------------|----------|--------------------|----------------|---------------------------|---------------------------------------|--------------|----------------|-----------------------------------|---------------------------------------|--------------|----------------|---------------------------|---------------------------------------|
| | | IN CUT AREA | | | IN FILL AREA | | | IN CUT AREA | | | IN FILL AREA | | |
| | | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) |
| 10 + 940.000 | 20.000 | 38.90 | 39.95 | 799.00 | 79.90 | | 0.00 | 0.00 | 0.00 | | | | |
| 10 + 960.000 | 20.000 | 36.00 | 37.45 | 749.00 | 74.90 | | 0.00 | 0.00 | 0.00 | | | | |
| 10 + 963.121 | 3.121 | 35.90 | 35.95 | 112.20 | 11.22 | | 0.00 | 0.00 | 0.00 | | | | |
| 10 + 980.000 | 16.879 | 33.70 | 34.80 | 587.39 | 58.74 | | 0.00 | 0.00 | 0.00 | | | | |
| 11 + 0.000 | 20.000 | 17.00 | 25.35 | 507.00 | 50.70 | | 0.00 | 0.00 | 0.00 | | | | |
| 11 + 20.000 | 20.000 | 3.50 | 10.25 | 205.00 | 20.50 | | 0.00 | 0.00 | 0.00 | | | | |
| 11 + 40.000 | 20.000 | | 1.75 | 35.00 | 3.50 | | 0.00 | 0.00 | 0.00 | | | | |
| 11 + 60.000 | 20.000 | | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 11 + 80.000 | 20.000 | | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 11 + 100.000 | 20.000 | | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 11 + 113.121 | 13.121 | | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 11 + 120.000 | 6.879 | | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 11 + 140.000 | 20.000 | | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 11 + 160.000 | 20.000 | | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 11 + 180.000 | 20.000 | | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 11 + 200.000 | 20.000 | | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 11 + 220.000 | 20.000 | 3.50 | 1.75 | 35.00 | 3.50 | 14.50 | 7.25 | 145.00 | 14.50 | | | | |
| 11 + 240.000 | 20.000 | 2.50 | 3.00 | 60.00 | 6.00 | 16.00 | 15.25 | 305.00 | 30.50 | | | | |
| 11 + 260.000 | 20.000 | 8.40 | 5.45 | 109.00 | 10.90 | 23.50 | 19.75 | 395.00 | 39.50 | | | | |
| 11 + 263.121 | 3.121 | 8.30 | 8.35 | 26.06 | 2.61 | 23.00 | 23.25 | 72.56 | 7.26 | | | | |
| 11 + 280.000 | 16.879 | 38.60 | 23.45 | 395.81 | 39.58 | | 11.50 | 194.11 | 19.41 | | | | |
| 11 + 300.000 | 20.000 | 38.40 | 38.50 | 770.00 | 77.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 11 + 320.000 | 20.000 | 36.40 | 37.40 | 748.00 | 74.80 | | 0.00 | 0.00 | 0.00 | | | | |
| 11 + 340.000 | 20.000 | 34.00 | 35.20 | 704.00 | 70.40 | | 0.00 | 0.00 | 0.00 | | | | |
| 11 + 360.000 | 20.000 | 35.90 | 34.95 | 699.00 | 69.90 | | 0.00 | 0.00 | 0.00 | | | | |
| 11 + 380.000 | 20.000 | 36.00 | 35.95 | 719.00 | 71.90 | | 0.00 | 0.00 | 0.00 | | | | |
| 11 + 400.000 | 20.000 | 35.50 | 35.75 | 715.00 | 71.50 | | 0.00 | 0.00 | 0.00 | | | | |
| 11 + 420.000 | 20.000 | 38.20 | 36.85 | 737.00 | 73.70 | | 0.00 | 0.00 | 0.00 | | | | |
| 11 + 422.939 | 2.939 | 34.60 | 36.40 | 106.98 | 10.70 | | 0.00 | 0.00 | 0.00 | | | | |
| 11 + 440.000 | 17.061 | 36.00 | 35.30 | 602.25 | 60.23 | | 0.00 | 0.00 | 0.00 | | | | |

COMPUTATION OF VOLUMES

MAIN ROAD

| STATION | DISTANCE | REMOVAL OF TOPSOIL | | | | | | SIDE-BORROW SECTION (IN CUT AREA) | | | | | |
|--------------|----------|--------------------|----------------|---------------------------|---------------------------------------|--------------|----------------|-----------------------------------|---------------------------------------|--------------|----------------|---------------------------|---------------------------------------|
| | | IN CUT AREA | | | IN FILL AREA | | | WIDTH | | | AVERAGE | | |
| | | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) |
| 11 + 460.000 | 20.000 | 20.00 | 28.00 | 560.00 | 56.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 11 + 480.000 | 20.000 | 33.00 | 26.50 | 530.00 | 53.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 11 + 500.000 | 20.000 | 18.50 | 25.75 | 515.00 | 51.50 | | 0.00 | 0.00 | 0.00 | | | | |
| 11 + 520.000 | 20.000 | 10.00 | 14.25 | 285.00 | 28.50 | | 0.00 | 0.00 | 0.00 | | | | |
| 11 + 540.000 | 20.000 | 9.50 | 9.75 | 195.00 | 19.50 | | 0.00 | 0.00 | 0.00 | | | | |
| 11 + 560.000 | 20.000 | 9.00 | 9.25 | 185.00 | 18.50 | | 0.00 | 0.00 | 0.00 | | | | |
| 11 + 572.939 | 12.939 | 11.50 | 10.25 | 132.62 | 13.26 | | 0.00 | 0.00 | 0.00 | | | | |
| 11 + 580.000 | 7.061 | 13.00 | 12.25 | 86.50 | 8.65 | | 0.00 | 0.00 | 0.00 | | | | |
| 11 + 600.000 | 20.000 | 15.50 | 14.25 | 285.00 | 28.50 | | 0.00 | 0.00 | 0.00 | | | | |
| 11 + 620.000 | 20.000 | 19.00 | 17.25 | 345.00 | 34.50 | | 0.00 | 0.00 | 0.00 | | | | |
| 11 + 640.000 | 20.000 | 29.50 | 24.25 | 485.00 | 48.50 | | 0.00 | 0.00 | 0.00 | | | | |
| 11 + 660.000 | 20.000 | 35.40 | 32.45 | 649.00 | 64.90 | | 0.00 | 0.00 | 0.00 | | | | |
| 11 + 680.000 | 20.000 | 34.50 | 34.95 | 699.00 | 69.90 | | 0.00 | 0.00 | 0.00 | | | | |
| 11 + 700.000 | 20.000 | 35.30 | 34.90 | 698.00 | 69.80 | | 0.00 | 0.00 | 0.00 | | | | |
| 11 + 720.000 | 20.000 | 35.80 | 35.55 | 711.00 | 71.10 | | 0.00 | 0.00 | 0.00 | | | | |
| 11 + 740.000 | 20.000 | 35.80 | 35.80 | 716.00 | 71.60 | | 0.00 | 0.00 | 0.00 | | | | |
| 11 + 760.000 | 20.000 | 35.40 | 35.60 | 712.00 | 71.20 | | 0.00 | 0.00 | 0.00 | | | | |
| 11 + 780.000 | 20.000 | 34.10 | 34.75 | 695.00 | 69.50 | | 0.00 | 0.00 | 0.00 | | | | |
| 11 + 800.000 | 20.000 | | 17.05 | 341.00 | 34.10 | | 0.00 | 0.00 | 0.00 | | | | |
| 11 + 820.000 | 20.000 | | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 11 + 840.000 | 20.000 | | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 11 + 860.000 | 20.000 | | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 11 + 880.000 | 20.000 | | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 11 + 900.000 | 20.000 | | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 11 + 920.000 | 20.000 | | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 11 + 940.000 | 20.000 | | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 11 + 960.000 | 20.000 | | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 11 + 980.000 | 20.000 | | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 12 + 0.000 | 20.000 | | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 12 + 20.000 | 20.000 | | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | | | | |

COMPUTATION OF VOLUMES

MAIN ROAD

| STATION | DISTANCE | REMOVAL OF TOPSOIL | | | | | | SIDE-BORROW SECTION (IN CUT AREA) | | | | | |
|--------------|----------|--------------------|----------------|---------------------------|---------------------------------------|--------------|----------------|-----------------------------------|---------------------------------------|--------------|----------------|---------------------------|---------------------------------------|
| | | IN CUT AREA | | | IN FILL AREA | | | WIDTH | | | AVERAGE | | |
| | | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) |
| 12 + 40.000 | 20.000 | | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 12 + 60.000 | 20.000 | | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 12 + 80.000 | 20.000 | | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 12 + 100.000 | 20.000 | | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 12 + 120.000 | 20.000 | | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 12 + 140.000 | 20.000 | | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 12 + 160.000 | 20.000 | | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 12 + 180.000 | 20.000 | | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 12 + 200.000 | 20.000 | | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 12 + 220.000 | 20.000 | 34.80 | 17.40 | 348.00 | 34.80 | | 0.00 | 0.00 | 0.00 | | | | |
| 12 + 240.000 | 20.000 | 34.20 | 34.50 | 690.00 | 69.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 12 + 260.000 | 20.000 | 33.30 | 33.75 | 675.00 | 67.50 | | 0.00 | 0.00 | 0.00 | | | | |
| 12 + 280.000 | 20.000 | 33.40 | 33.35 | 667.00 | 66.70 | | 0.00 | 0.00 | 0.00 | | | | |
| 12 + 300.000 | 20.000 | 31.60 | 32.50 | 650.00 | 65.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 12 + 320.000 | 20.000 | 30.80 | 31.20 | 624.00 | 62.40 | | 0.00 | 0.00 | 0.00 | | | | |
| 12 + 340.000 | 20.000 | 33.00 | 31.90 | 638.00 | 63.80 | | 0.00 | 0.00 | 0.00 | | | | |
| 12 + 360.000 | 20.000 | 31.60 | 32.30 | 646.00 | 64.60 | | 0.00 | 0.00 | 0.00 | | | | |
| 12 + 380.000 | 20.000 | 32.10 | 31.85 | 637.00 | 63.70 | | 0.00 | 0.00 | 0.00 | | | | |
| 12 + 400.000 | 20.000 | 37.40 | 34.75 | 695.00 | 69.50 | | 0.00 | 0.00 | 0.00 | | | | |
| 12 + 420.000 | 20.000 | 34.30 | 35.85 | 717.00 | 71.70 | | 0.00 | 0.00 | 0.00 | | | | |
| 12 + 440.000 | 20.000 | 30.30 | 32.30 | 646.00 | 64.60 | | 0.00 | 0.00 | 0.00 | | | | |
| 12 + 460.000 | 20.000 | 29.50 | 29.90 | 598.00 | 59.80 | | 0.00 | 0.00 | 0.00 | | | | |
| 12 + 480.000 | 20.000 | 19.40 | 24.45 | 489.00 | 48.90 | 11.30 | 5.65 | 113.00 | 11.30 | | | | |
| 12 + 500.000 | 20.000 | 14.10 | 16.75 | 335.00 | 33.50 | 15.90 | 13.60 | 272.00 | 27.20 | | | | |
| 12 + 520.000 | 20.000 | 29.70 | 21.90 | 438.00 | 43.80 | | 7.95 | 159.00 | 15.90 | | | | |
| 12 + 540.000 | 20.000 | 19.80 | 24.75 | 495.00 | 49.50 | 10.10 | 5.05 | 101.00 | 10.10 | | | | |
| 12 + 555.218 | 15.218 | 9.30 | 14.55 | 221.42 | 22.14 | 20.60 | 15.35 | 233.60 | 23.36 | | | | |
| 12 + 560.000 | 4.782 | 10.50 | 9.90 | 47.34 | 4.73 | 19.00 | 19.80 | 94.68 | 9.47 | | | | |
| 12 + 580.000 | 20.000 | 10.70 | 10.60 | 212.00 | 21.20 | 5.30 | 12.15 | 243.00 | 24.30 | | | | |
| 12 + 600.000 | 20.000 | 24.20 | 17.45 | 349.00 | 34.90 | 5.20 | 5.25 | 105.00 | 10.50 | | | | |

COMPUTATION OF VOLUMES

MAIN ROAD

| STATION | DISTANCE | REMOVAL OF TOPSOIL | | | | | | | | | | | | | | |
|--------------|----------|--------------------|----------------|---------------------------|---------------------------------------|--------------|----------------|-----------------------------------|---------------------------------------|--------------|----------------|---------------------------|---------------------------------------|--|--|--|
| | | IN CUT AREA | | | IN FILL AREA | | | SIDE-BORROW SECTION (IN CUT AREA) | | | | | | | | |
| | | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) | | | |
| 12 + 620.000 | 20.000 | 29.50 | 26.85 | 537.00 | 53.70 | | 2.60 | 52.00 | 5.20 | | | | | | | |
| 12 + 640.000 | 20.000 | 30.00 | 29.75 | 595.00 | 59.50 | | 0.00 | 0.00 | 0.00 | | | | | | | |
| 12 + 660.000 | 20.000 | 30.90 | 30.45 | 609.00 | 60.90 | | 0.00 | 0.00 | 0.00 | | | | | | | |
| 12 + 680.000 | 20.000 | 31.90 | 31.40 | 628.00 | 62.80 | | 0.00 | 0.00 | 0.00 | | | | | | | |
| 12 + 700.000 | 20.000 | 32.30 | 32.10 | 642.00 | 64.20 | | 0.00 | 0.00 | 0.00 | | | | | | | |
| 12 + 705.272 | 5.272 | 32.20 | 32.25 | 170.02 | 17.00 | | 0.00 | 0.00 | 0.00 | | | | | | | |
| 12 + 720.000 | 14.728 | 33.10 | 32.65 | 480.87 | 48.09 | | 0.00 | 0.00 | 0.00 | | | | | | | |
| 12 + 740.000 | 20.000 | 33.40 | 33.25 | 665.00 | 66.50 | | 0.00 | 0.00 | 0.00 | | | | | | | |
| 12 + 760.000 | 20.000 | 14.50 | 23.95 | 479.00 | 47.90 | | 0.00 | 0.00 | 0.00 | | | | | | | |
| 12 + 780.000 | 20.000 | 17.00 | 15.75 | 315.00 | 31.50 | | 0.00 | 0.00 | 0.00 | | | | | | | |
| 12 + 800.000 | 20.000 | 24.50 | 20.75 | 415.00 | 41.50 | | 0.00 | 0.00 | 0.00 | | | | | | | |
| 12 + 820.000 | 20.000 | 24.50 | 24.50 | 490.00 | 49.00 | | 0.00 | 0.00 | 0.00 | | | | | | | |
| 12 + 840.000 | 20.000 | 21.50 | 23.00 | 460.00 | 46.00 | | 0.00 | 0.00 | 0.00 | | | | | | | |
| 12 + 860.000 | 20.000 | 2.00 | 11.75 | 235.00 | 23.50 | 23.70 | 11.85 | 237.00 | 23.70 | | | | | | | |
| 12 + 880.000 | 20.000 | 2.00 | 2.00 | 40.00 | 4.00 | 25.20 | 24.45 | 489.00 | 48.90 | | | | | | | |
| 12 + 896.298 | 16.298 | | 1.00 | 16.30 | 1.63 | 23.50 | 24.35 | 396.86 | 39.69 | | | | | | | |
| 12 + 900.000 | 3.702 | | 0.00 | 0.00 | 0.00 | 23.50 | 23.50 | 87.00 | 8.70 | | | | | | | |
| 12 + 920.000 | 20.000 | 3.40 | 1.70 | 34.00 | 3.40 | 30.50 | 27.00 | 540.00 | 54.00 | | | | | | | |
| 12 + 940.000 | 20.000 | 4.50 | 3.95 | 79.00 | 7.90 | 30.20 | 30.35 | 607.00 | 60.70 | | | | | | | |
| 12 + 960.000 | 20.000 | 4.90 | 4.70 | 94.00 | 9.40 | 29.70 | 29.95 | 599.00 | 59.90 | | | | | | | |
| 12 + 980.000 | 20.000 | 6.20 | 5.55 | 111.00 | 11.10 | 31.00 | 30.35 | 607.00 | 60.70 | | | | | | | |
| 13 + 0.000 | 20.000 | | 3.10 | 62.00 | 6.20 | 25.00 | 28.00 | 560.00 | 56.00 | | | | | | | |
| 13 + 20.000 | 20.000 | | 0.00 | 0.00 | 0.00 | 15.50 | 20.25 | 405.00 | 40.50 | | | | | | | |
| 13 + 40.000 | 20.000 | | 0.00 | 0.00 | 0.00 | 14.00 | 14.75 | 295.00 | 29.50 | | | | | | | |
| 13 + 46.298 | 6.298 | | 0.00 | 0.00 | 0.00 | 12.50 | 13.25 | 83.45 | 8.34 | | | | | | | |
| 13 + 60.000 | 13.702 | 30.00 | 15.00 | 205.53 | 20.55 | | 6.25 | 85.64 | 8.56 | | | | | | | |
| 13 + 80.000 | 20.000 | 32.75 | 31.38 | 627.50 | 62.75 | | 0.00 | 0.00 | 0.00 | | | | | | | |
| 13 + 100.000 | 20.000 | 32.75 | 32.75 | 655.00 | 65.50 | | 0.00 | 0.00 | 0.00 | | | | | | | |
| 13 + 120.000 | 20.000 | 32.70 | 32.73 | 654.50 | 65.45 | | 0.00 | 0.00 | 0.00 | | | | | | | |
| 13 + 140.000 | 20.000 | 33.00 | 32.85 | 657.00 | 65.70 | | 0.00 | 0.00 | 0.00 | | | | | | | |

COMPUTATION OF VOLUMES

MAIN ROAD

| STATION | DISTANCE | REMOVAL OF TOPSOIL | | | | | | SIDE-BORROW SECTION (IN CUT AREA) | | | | | |
|--------------|----------|--------------------|----------------|---------------------------|---------------------------------------|--------------|----------------|-----------------------------------|---------------------------------------|--------------|----------------|---------------------------|---------------------------------------|
| | | IN CUT AREA | | | IN FILL AREA | | | IN CUT AREA | | | IN FILL AREA | | |
| | | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) |
| 13 + 160.000 | 20.000 | 33.15 | 33.08 | 661.50 | 66.15 | | 0.00 | 0.00 | 0.00 | | | | |
| 13 + 180.000 | 20.000 | 33.80 | 33.48 | 669.50 | 66.95 | | 0.00 | 0.00 | 0.00 | | | | |
| 13 + 200.000 | 20.000 | 34.00 | 33.90 | 678.00 | 67.80 | | 0.00 | 0.00 | 0.00 | | | | |
| 13 + 220.000 | 20.000 | 33.85 | 33.93 | 678.50 | 67.85 | | 0.00 | 0.00 | 0.00 | | | | |
| 13 + 240.000 | 20.000 | 23.45 | 28.65 | 573.00 | 57.30 | 10.80 | 5.40 | 108.00 | 10.80 | | | | |
| 13 + 260.000 | 20.000 | 16.80 | 20.13 | 402.50 | 40.25 | 17.50 | 14.15 | 283.00 | 28.30 | | | | |
| 13 + 280.000 | 20.000 | 12.80 | 14.80 | 296.00 | 29.60 | 21.20 | 19.35 | 387.00 | 38.70 | | | | |
| 13 + 300.000 | 20.000 | 11.40 | 12.10 | 242.00 | 24.20 | 22.90 | 22.05 | 441.00 | 44.10 | | | | |
| 13 + 320.000 | 20.000 | 12.00 | 11.70 | 234.00 | 23.40 | 23.90 | 23.40 | 468.00 | 46.80 | | | | |
| 13 + 340.000 | 20.000 | 12.80 | 12.40 | 248.00 | 24.80 | 24.20 | 24.05 | 481.00 | 48.10 | | | | |
| 13 + 360.000 | 20.000 | 14.85 | 13.83 | 276.50 | 27.65 | 24.00 | 24.10 | 482.00 | 48.20 | | | | |
| 13 + 380.000 | 20.000 | 15.85 | 15.35 | 307.00 | 30.70 | 24.30 | 24.15 | 483.00 | 48.30 | | | | |
| 13 + 400.000 | 20.000 | 12.05 | 13.95 | 279.00 | 27.90 | 27.50 | 25.90 | 518.00 | 51.80 | | | | |
| 13 + 420.000 | 20.000 | 21.95 | 17.00 | 340.00 | 34.00 | 17.20 | 22.35 | 447.00 | 44.70 | | | | |
| 13 + 440.000 | 20.000 | 36.65 | 29.30 | 586.00 | 58.60 | | 8.60 | 172.00 | 17.20 | | | | |
| 13 + 460.000 | 20.000 | 34.05 | 35.35 | 707.00 | 70.70 | | 0.00 | 0.00 | 0.00 | | | | |
| 13 + 480.000 | 20.000 | 32.45 | 33.25 | 665.00 | 66.50 | | 0.00 | 0.00 | 0.00 | | | | |
| 13 + 484.164 | 4.164 | 32.45 | 32.45 | 135.12 | 13.51 | | 0.00 | 0.00 | 0.00 | | | | |
| 13 + 500.000 | 15.836 | 29.90 | 31.18 | 493.69 | 49.37 | | 0.00 | 0.00 | 0.00 | | | | |
| 13 + 520.000 | 20.000 | 30.70 | 30.30 | 606.00 | 60.60 | | 0.00 | 0.00 | 0.00 | | | | |
| 13 + 540.000 | 20.000 | 31.00 | 30.85 | 617.00 | 61.70 | | 0.00 | 0.00 | 0.00 | | | | |
| 13 + 560.000 | 20.000 | 30.70 | 30.85 | 617.00 | 61.70 | | 0.00 | 0.00 | 0.00 | | | | |
| 13 + 580.000 | 20.000 | 30.80 | 30.75 | 615.00 | 61.50 | | 0.00 | 0.00 | 0.00 | | | | |
| 13 + 600.000 | 20.000 | 30.85 | 30.83 | 616.50 | 61.65 | | 0.00 | 0.00 | 0.00 | | | | |
| 13 + 606.664 | 6.664 | 31.40 | 31.13 | 207.42 | 20.74 | | 0.00 | 0.00 | 0.00 | | | | |
| 13 + 620.000 | 13.336 | 31.45 | 31.43 | 419.08 | 41.91 | | 0.00 | 0.00 | 0.00 | | | | |
| 13 + 640.000 | 20.000 | 32.55 | 32.00 | 640.00 | 64.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 13 + 660.000 | 20.000 | 61.65 | 47.10 | 942.00 | 94.20 | | 0.00 | 0.00 | 0.00 | | | | |
| 13 + 680.000 | 20.000 | 30.25 | 45.95 | 919.00 | 91.90 | | 0.00 | 0.00 | 0.00 | | | | |
| 13 + 700.000 | 20.000 | 36.40 | 33.33 | 666.50 | 66.65 | | 0.00 | 0.00 | 0.00 | | | | |

COMPUTATION OF VOLUMES

MAIN ROAD

| STATION | DISTANCE | REMOVAL OF TOPSOIL | | | | | | SIDE-BORROW SECTION (IN CUT AREA) | | | | | |
|--------------|----------|--------------------|----------------|---------------------------|---------------------------------------|--------------|----------------|-----------------------------------|---------------------------------------|--------------|----------------|---------------------------|---------------------------------------|
| | | IN CUT AREA | | | IN FILL AREA | | | WIDTH | | | AVERAGE | | |
| | | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) |
| 13 + 720.000 | 20.000 | 22.25 | 29.33 | 586.50 | 58.65 | 4.80 | 2.40 | 48.00 | 4.80 | | | | |
| 13 + 740.000 | 20.000 | | 11.13 | 222.50 | 22.25 | 11.00 | 7.90 | 158.00 | 15.80 | | | | |
| 13 + 760.000 | 20.000 | 3.30 | 1.65 | 33.00 | 3.30 | 27.00 | 19.00 | 380.00 | 38.00 | | | | |
| 13 + 780.000 | 20.000 | 3.20 | 3.25 | 65.00 | 6.50 | 28.60 | 27.80 | 556.00 | 55.60 | | | | |
| 13 + 800.000 | 20.000 | 3.20 | 3.20 | 64.00 | 6.40 | 30.50 | 29.55 | 591.00 | 59.10 | | | | |
| 13 + 820.000 | 20.000 | 3.00 | 3.10 | 62.00 | 6.20 | 31.80 | 31.15 | 623.00 | 62.30 | | | | |
| 13 + 840.000 | 20.000 | 2.80 | 2.90 | 58.00 | 5.80 | 35.00 | 33.40 | 668.00 | 66.80 | | | | |
| 13 + 860.000 | 20.000 | 4.15 | 3.48 | 69.50 | 6.95 | 35.40 | 35.20 | 704.00 | 70.40 | | | | |
| 13 + 880.000 | 20.000 | 4.55 | 4.35 | 87.00 | 8.70 | 36.60 | 36.00 | 720.00 | 72.00 | | | | |
| 13 + 900.000 | 20.000 | 3.60 | 4.08 | 81.50 | 8.15 | 37.10 | 36.85 | 737.00 | 73.70 | | | | |
| 13 + 920.000 | 20.000 | 3.95 | 3.78 | 75.50 | 7.55 | 39.80 | 38.45 | 769.00 | 76.90 | | | | |
| 13 + 924.397 | 4.397 | 3.85 | 3.90 | 17.15 | 1.71 | 40.00 | 39.90 | 175.44 | 17.54 | | | | |
| 13 + 940.000 | 15.603 | 6.20 | 5.03 | 78.41 | 7.84 | 38.80 | 39.40 | 614.76 | 61.48 | | | | |
| 13 + 960.000 | 20.000 | 6.95 | 6.58 | 131.50 | 13.15 | 38.40 | 38.60 | 772.00 | 77.20 | | | | |
| 13 + 980.000 | 20.000 | 5.40 | 6.18 | 123.50 | 12.35 | 37.90 | 38.15 | 763.00 | 76.30 | | | | |
| 14 + 0.000 | 20.000 | 5.70 | 5.55 | 111.00 | 11.10 | 36.50 | 37.20 | 744.00 | 74.40 | | | | |
| 14 + 20.000 | 20.000 | 5.70 | 5.70 | 114.00 | 11.40 | 36.20 | 36.35 | 727.00 | 72.70 | | | | |
| 14 + 40.000 | 20.000 | 5.70 | 5.70 | 114.00 | 11.40 | 36.10 | 36.15 | 723.00 | 72.30 | | | | |
| 14 + 46.897 | 6.897 | 5.90 | 5.80 | 40.00 | 4.00 | 35.20 | 35.65 | 245.88 | 24.59 | | | | |
| 14 + 60.000 | 13.103 | 6.40 | 6.15 | 80.58 | 8.06 | 34.70 | 34.95 | 457.95 | 45.79 | | | | |
| 14 + 80.000 | 20.000 | 5.95 | 6.18 | 123.50 | 12.35 | 32.30 | 33.50 | 670.00 | 67.00 | | | | |
| 14 + 100.000 | 20.000 | 5.45 | 5.70 | 114.00 | 11.40 | 30.70 | 31.50 | 630.00 | 63.00 | | | | |
| 14 + 120.000 | 20.000 | 6.25 | 5.85 | 117.00 | 11.70 | 29.30 | 30.00 | 600.00 | 60.00 | | | | |
| 14 + 140.000 | 20.000 | 6.20 | 6.23 | 124.50 | 12.45 | 26.10 | 27.70 | 554.00 | 55.40 | | | | |
| 14 + 160.000 | 20.000 | 12.60 | 9.40 | 188.00 | 18.80 | 20.40 | 23.25 | 465.00 | 46.50 | | | | |
| 14 + 180.000 | 20.000 | 23.50 | 18.05 | 361.00 | 36.10 | 9.60 | 15.00 | 300.00 | 30.00 | | | | |
| 14 + 200.000 | 20.000 | 34.35 | 28.93 | 578.50 | 57.85 | | 4.80 | 96.00 | 9.60 | | | | |
| 14 + 220.000 | 20.000 | 33.60 | 33.98 | 679.50 | 67.95 | | 0.00 | 0.00 | 0.00 | | | | |
| 14 + 240.000 | 20.000 | 34.20 | 33.90 | 678.00 | 67.80 | | 0.00 | 0.00 | 0.00 | | | | |
| 14 + 260.000 | 20.000 | 32.20 | 33.20 | 664.00 | 66.40 | | 0.00 | 0.00 | 0.00 | | | | |

COMPUTATION OF VOLUMES

MAIN ROAD

| STATION | DISTANCE | REMOVAL OF TOPSOIL | | | | | | SIDE-BORROW SECTION (IN CUT AREA) | | | | | |
|--------------|----------|--------------------|----------------|---------------------------|---------------------------------------|--------------|----------------|-----------------------------------|---------------------------------------|--------------|----------------|---------------------------|---------------------------------------|
| | | IN CUT AREA | | | IN FILL AREA | | | IN CUT AREA | | | IN FILL AREA | | |
| | | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) |
| 14 + 280.000 | 20.000 | 32.20 | 32.20 | 644.00 | 64.40 | | 0.00 | 0.00 | 0.00 | | | | |
| 14 + 300.000 | 20.000 | 32.20 | 32.20 | 644.00 | 64.40 | | 0.00 | 0.00 | 0.00 | | | | |
| 14 + 320.000 | 20.000 | 31.70 | 31.95 | 639.00 | 63.90 | | 0.00 | 0.00 | 0.00 | | | | |
| 14 + 340.000 | 20.000 | 33.30 | 32.50 | 650.00 | 65.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 14 + 360.000 | 20.000 | 35.10 | 34.20 | 684.00 | 68.40 | | 0.00 | 0.00 | 0.00 | | | | |
| 14 + 380.000 | 20.000 | 36.90 | 36.00 | 720.00 | 72.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 14 + 400.000 | 20.000 | 37.60 | 37.25 | 745.00 | 74.50 | | 0.00 | 0.00 | 0.00 | | | | |
| 14 + 420.000 | 20.000 | 37.40 | 37.50 | 750.00 | 75.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 14 + 440.000 | 20.000 | 37.40 | 37.40 | 748.00 | 74.80 | | 0.00 | 0.00 | 0.00 | | | | |
| 14 + 460.000 | 20.000 | 37.40 | 37.40 | 748.00 | 74.80 | | 0.00 | 0.00 | 0.00 | | | | |
| 14 + 480.000 | 20.000 | 37.25 | 37.33 | 746.50 | 74.65 | | 0.00 | 0.00 | 0.00 | | | | |
| 14 + 500.000 | 20.000 | 37.15 | 37.20 | 744.00 | 74.40 | | 0.00 | 0.00 | 0.00 | | | | |
| 14 + 520.000 | 20.000 | 36.65 | 36.90 | 738.00 | 73.80 | | 0.00 | 0.00 | 0.00 | | | | |
| 14 + 540.000 | 20.000 | 36.60 | 36.63 | 732.50 | 73.25 | | 0.00 | 0.00 | 0.00 | | | | |
| 14 + 560.000 | 20.000 | 36.80 | 36.70 | 734.00 | 73.40 | | 0.00 | 0.00 | 0.00 | | | | |
| 14 + 580.000 | 20.000 | 38.25 | 37.53 | 750.50 | 75.05 | | 0.00 | 0.00 | 0.00 | | | | |
| 14 + 595.083 | 15.083 | 39.50 | 38.88 | 586.35 | 58.64 | | 0.00 | 0.00 | 0.00 | | | | |
| 14 + 600.000 | 4.917 | 39.60 | 39.55 | 194.47 | 19.45 | | 0.00 | 0.00 | 0.00 | | | | |
| 14 + 620.000 | 20.000 | 41.05 | 40.33 | 806.50 | 80.65 | | 0.00 | 0.00 | 0.00 | | | | |
| 14 + 640.000 | 20.000 | 43.90 | 42.48 | 849.50 | 84.95 | | 0.00 | 0.00 | 0.00 | | | | |
| 14 + 660.000 | 20.000 | 45.40 | 44.65 | 893.00 | 89.30 | | 0.00 | 0.00 | 0.00 | | | | |
| 14 + 680.000 | 20.000 | 42.20 | 43.80 | 876.00 | 87.60 | | 0.00 | 0.00 | 0.00 | | | | |
| 14 + 700.000 | 20.000 | 43.70 | 42.95 | 859.00 | 85.90 | | 0.00 | 0.00 | 0.00 | | | | |
| 14 + 720.000 | 20.000 | 44.10 | 43.90 | 878.00 | 87.80 | | 0.00 | 0.00 | 0.00 | | | | |
| 14 + 740.000 | 20.000 | 50.60 | 47.35 | 947.00 | 94.70 | | 0.00 | 0.00 | 0.00 | | | | |
| 14 + 745.083 | 5.083 | 49.80 | 50.20 | 255.17 | 25.52 | | 0.00 | 0.00 | 0.00 | | | | |
| 14 + 760.000 | 14.917 | 43.10 | 46.45 | 692.89 | 69.29 | | 0.00 | 0.00 | 0.00 | | | | |
| 14 + 780.000 | 20.000 | 45.20 | 44.15 | 883.00 | 88.30 | | 0.00 | 0.00 | 0.00 | | | | |
| 14 + 800.000 | 20.000 | 42.70 | 43.95 | 879.00 | 87.90 | | 0.00 | 0.00 | 0.00 | | | | |
| 14 + 820.000 | 20.000 | 39.50 | 41.10 | 822.00 | 82.20 | | 0.00 | 0.00 | 0.00 | | | | |

COMPUTATION OF VOLUMES
MAIN ROAD

| STATION | DISTANCE | REMOVAL OF TOPSOIL | | | | | | | | | |
|--------------|----------|--------------------|----------------|---------------------------|---------------------------------------|--------------|----------------|---------------------------|---------------------------------------|--------------|----------------|
| | | IN CUT AREA | | | | | IN FILL AREA | | | | |
| | | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME i=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME i=10cm (m ³) | WIDTH (m) | AVERAGE (m) |
| 14 + 840.000 | 20.000 | 35.70 | 37.60 | 752.00 | 75.20 | | 0.00 | 0.00 | 0.00 | | |
| 14 + 860.000 | 20.000 | 29.40 | 32.55 | 651.00 | 65.10 | | 0.00 | 0.00 | 0.00 | | |
| 14 + 865.086 | 5.086 | 22.45 | 25.93 | 131.85 | 13.19 | 7.90 | 3.95 | 20.09 | 2.01 | | |
| 14 + 880.000 | 14.914 | 2.80 | 12.63 | 188.29 | 18.83 | 31.20 | 19.55 | 291.57 | 29.16 | | |
| 14 + 900.000 | 20.000 | 2.50 | 2.65 | 53.00 | 5.30 | 35.60 | 33.40 | 668.00 | 66.80 | | |
| 14 + 920.000 | 20.000 | 2.70 | 2.60 | 52.00 | 5.20 | 33.60 | 34.60 | 692.00 | 69.20 | | |
| 14 + 940.000 | 20.000 | 2.60 | 2.65 | 55.00 | 5.30 | 40.50 | 37.05 | 741.00 | 74.10 | | |
| 14 + 960.000 | 20.000 | 5.50 | 4.05 | 81.00 | 8.10 | 38.60 | 39.55 | 791.00 | 79.10 | | |
| 14 + 980.000 | 20.000 | 5.70 | 5.60 | 112.00 | 11.20 | 35.20 | 36.90 | 738.00 | 73.80 | | |
| 15 + 0.000 | 20.000 | 5.60 | 5.65 | 113.00 | 11.30 | 29.50 | 32.35 | 647.00 | 64.70 | | |
| 15 + 15.086 | 15.086 | 15.60 | 10.60 | 159.91 | 15.99 | 16.10 | 22.80 | 343.96 | 34.40 | | |
| 15 + 20.000 | 4.914 | 33.15 | 24.38 | 119.78 | 11.98 | | 8.05 | 39.56 | 3.96 | | |
| 15 + 40.000 | 20.000 | 38.50 | 35.83 | 716.50 | 71.65 | | 0.00 | 0.00 | 0.00 | | |
| 15 + 60.000 | 20.000 | 43.50 | 41.00 | 820.00 | 82.00 | | 0.00 | 0.00 | 0.00 | | |
| 15 + 80.000 | 20.000 | 45.95 | 44.73 | 894.50 | 89.45 | | 0.00 | 0.00 | 0.00 | | |
| 15 + 100.000 | 20.000 | 46.45 | 46.20 | 924.00 | 92.40 | | 0.00 | 0.00 | 0.00 | | |
| 15 + 120.000 | 20.000 | 46.95 | 46.70 | 934.00 | 93.40 | | 0.00 | 0.00 | 0.00 | | |
| 15 + 140.000 | 20.000 | 44.60 | 45.78 | 915.50 | 91.55 | | 0.00 | 0.00 | 0.00 | | |
| 15 + 160.000 | 20.000 | 42.75 | 43.68 | 873.50 | 87.35 | | 0.00 | 0.00 | 0.00 | | |
| 15 + 165.086 | 5.086 | 42.25 | 42.50 | 216.16 | 21.62 | | 0.00 | 0.00 | 0.00 | | |
| 15 + 180.000 | 14.914 | 41.25 | 41.75 | 622.66 | 62.27 | | 0.00 | 0.00 | 0.00 | | |
| 15 + 200.000 | 20.000 | 37.70 | 39.48 | 789.50 | 78.95 | | 0.00 | 0.00 | 0.00 | | |
| 15 + 220.000 | 20.000 | 36.60 | 37.15 | 743.00 | 74.30 | | 0.00 | 0.00 | 0.00 | | |
| 15 + 240.000 | 20.000 | 36.60 | 36.60 | 732.00 | 73.20 | | 0.00 | 0.00 | 0.00 | | |
| 15 + 260.000 | 20.000 | 38.55 | 37.58 | 751.50 | 75.15 | | 0.00 | 0.00 | 0.00 | | |
| 15 + 280.000 | 20.000 | 39.25 | 38.90 | 778.00 | 77.80 | | 0.00 | 0.00 | 0.00 | | |
| 15 + 300.000 | 20.000 | 39.70 | 39.48 | 789.50 | 78.95 | | 0.00 | 0.00 | 0.00 | | |
| 15 + 320.000 | 20.000 | 42.50 | 41.10 | 822.00 | 82.20 | | 0.00 | 0.00 | 0.00 | | |
| 15 + 340.000 | 20.000 | 43.30 | 42.90 | 858.00 | 85.80 | | 0.00 | 0.00 | 0.00 | | |
| 15 + 360.000 | 20.000 | 44.30 | 43.80 | 876.00 | 87.60 | | 0.00 | 0.00 | 0.00 | | |

COMPUTATION OF VOLUMES

MAIN ROAD

| STATION | DISTANCE | REMOVAL OF TOPSOIL | | | | | | SIDE-BORROW SECTION (IN CUT AREA) | | | | | |
|--------------|----------|--------------------|----------------|---------------------------|--|--------------|----------------|-----------------------------------|--|--------------|-----------------------------------|---------------------------|--|
| | | IN CUT AREA | | | IN FILL AREA | | | IN FILL AREA | | | SIDE-BORROW SECTION (IN CUT AREA) | | |
| | | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME (=10cm) (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME (=10cm) (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME (=10cm) (m ³) |
| 15 + 372.375 | 12.375 | 45.70 | 45.00 | 556.88 | 55.69 | | | 0.00 | 0.00 | | | | |
| 15 + 380.000 | 7.625 | 46.50 | 46.10 | 351.51 | 35.15 | | | 0.00 | 0.00 | | | | |
| 15 + 400.000 | 20.000 | 42.75 | 44.63 | 892.50 | 89.25 | | | 0.00 | 0.00 | | | | |
| 15 + 420.000 | 20.000 | 46.50 | 44.63 | 892.50 | 89.25 | | | 0.00 | 0.00 | | | | |
| 15 + 440.000 | 20.000 | 45.35 | 45.93 | 918.50 | 91.85 | | | 0.00 | 0.00 | | | | |
| 15 + 460.000 | 20.000 | 44.65 | 45.00 | 900.00 | 90.00 | | | 0.00 | 0.00 | | | | |
| 15 + 480.000 | 20.000 | 44.10 | 44.38 | 887.50 | 88.75 | | | 0.00 | 0.00 | | | | |
| 15 + 484.875 | 4.875 | 44.30 | 44.20 | 215.48 | 21.55 | | | 0.00 | 0.00 | | | | |
| 15 + 300.000 | | | 22.15 | 0.00 | 0.00 | | | 0.00 | 0.00 | | | | |
| 15 + 320.000 | 20.000 | 45.00 | 22.50 | 450.00 | 45.00 | | | 0.00 | 0.00 | | | | |
| 15 + 340.000 | 20.000 | 47.70 | 46.35 | 927.00 | 92.70 | | | 0.00 | 0.00 | | | | |
| 15 + 360.000 | 20.000 | 50.70 | 49.20 | 984.00 | 98.40 | | | 0.00 | 0.00 | | | | |
| 15 + 380.000 | 20.000 | 45.50 | 48.10 | 962.00 | 96.20 | | | 0.00 | 0.00 | | | | |
| 15 + 400.000 | 20.000 | 45.00 | 45.25 | 905.00 | 90.50 | | | 0.00 | 0.00 | | | | |
| 15 + 420.000 | 20.000 | 40.00 | 42.50 | 850.00 | 85.00 | | | 0.00 | 0.00 | | | | |
| 15 + 440.000 | 20.000 | 40.00 | 40.00 | 800.00 | 80.00 | | | 0.00 | 0.00 | | | | |
| 15 + 460.000 | 20.000 | | 20.00 | 400.00 | 40.00 | 34.50 | 17.25 | 345.00 | 34.50 | | | | |
| 15 + 480.000 | 20.000 | 3.20 | 1.60 | 32.00 | 3.20 | 44.10 | 39.30 | 786.00 | 78.60 | | | | |
| 15 + 500.000 | 20.000 | 3.35 | 3.28 | 65.50 | 6.55 | 51.30 | 47.70 | 954.00 | 95.40 | | | | |
| 15 + 520.000 | 20.000 | | 1.68 | 33.50 | 3.35 | 49.60 | 50.45 | 1,009.00 | 100.90 | | | | |
| 15 + 540.000 | 20.000 | 2.40 | 1.20 | 24.00 | 2.40 | 60.50 | 55.05 | 1,101.00 | 110.10 | | | | |
| 15 + 560.000 | 20.000 | 6.00 | 4.20 | 84.00 | 8.40 | 59.50 | 60.00 | 1,200.00 | 120.00 | | | | |
| 15 + 580.000 | 20.000 | 2.50 | 4.25 | 85.00 | 8.50 | 65.50 | 62.50 | 1,250.00 | 125.00 | | | | |
| 15 + 600.000 | 20.000 | 4.00 | 3.25 | 65.00 | 6.50 | 56.00 | 60.75 | 1,215.00 | 121.50 | | | | |
| 15 + 620.000 | 20.000 | 8.50 | 6.25 | 125.00 | 12.50 | 56.50 | 56.25 | 1,125.00 | 112.50 | | | | |
| 15 + 640.000 | 20.000 | 8.00 | 8.25 | 165.00 | 16.50 | 54.50 | 55.50 | 1,110.00 | 111.00 | | | | |
| 15 + 660.000 | 20.000 | 27.00 | 17.50 | 350.00 | 35.00 | 27.50 | 41.00 | 820.00 | 82.00 | | | | |
| 15 + 680.000 | 20.000 | 51.00 | 39.00 | 780.00 | 78.00 | | 13.75 | 275.00 | 27.50 | | | | |
| 15 + 700.000 | 20.000 | 53.00 | 52.00 | 1,040.00 | 104.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 15 + 720.000 | 20.000 | 54.50 | 53.75 | 1,075.00 | 107.50 | | 0.00 | 0.00 | 0.00 | | | | |

COMPUTATION OF VOLUMES

MAIN ROAD

| STATION | DISTANCE | REMOVAL OF TOPSOIL | | | | | | SIDE-BORROW SECTION (IN CUT AREA) | | | | | |
|--------------|----------|--------------------|----------------|---------------------------|---------------------------------------|--------------|----------------|-----------------------------------|---------------------------------------|--------------|----------------|---------------------------|---------------------------------------|
| | | IN CUT AREA | | | IN FILL AREA | | | IN CUT AREA | | | IN FILL AREA | | |
| | | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) |
| 15 + 740.000 | 20.000 | 56.00 | 55.25 | 1,105.00 | 110.50 | | 0.00 | 0.00 | 0.00 | | | | |
| 15 + 760.000 | 20.000 | 51.70 | 53.85 | 1,077.00 | 107.70 | | 0.00 | 0.00 | 0.00 | | | | |
| 15 + 780.000 | 20.000 | 53.60 | 52.65 | 1,053.00 | 105.30 | | 0.00 | 0.00 | 0.00 | | | | |
| 15 + 800.000 | 20.000 | 55.35 | 54.48 | 1,089.50 | 108.95 | | 0.00 | 0.00 | 0.00 | | | | |
| 15 + 820.000 | 20.000 | 58.20 | 56.78 | 1,135.50 | 113.55 | | 0.00 | 0.00 | 0.00 | | | | |
| 15 + 840.000 | 20.000 | 56.05 | 57.13 | 1,142.50 | 114.25 | | 0.00 | 0.00 | 0.00 | | | | |
| 15 + 860.000 | 20.000 | 53.45 | 54.75 | 1,095.00 | 109.50 | | 0.00 | 0.00 | 0.00 | | | | |
| 15 + 880.000 | 20.000 | 54.30 | 53.88 | 1,077.50 | 107.75 | | 0.00 | 0.00 | 0.00 | | | | |
| 15 + 900.000 | 20.000 | 47.90 | 51.10 | 1,022.00 | 102.20 | | 0.00 | 0.00 | 0.00 | | | | |
| 15 + 920.000 | 20.000 | 52.30 | 50.10 | 1,002.00 | 100.20 | | 0.00 | 0.00 | 0.00 | | | | |
| 15 + 940.000 | 20.000 | 51.25 | 51.78 | 1,035.50 | 103.55 | | 0.00 | 0.00 | 0.00 | | | | |
| 15 + 960.000 | 20.000 | 50.85 | 51.05 | 1,021.00 | 102.10 | | 0.00 | 0.00 | 0.00 | | | | |
| 15 + 980.000 | 20.000 | 49.85 | 50.35 | 1,007.00 | 100.70 | | 0.00 | 0.00 | 0.00 | | | | |
| 16 + 0.000 | 20.000 | 49.70 | 49.78 | 995.50 | 99.55 | 4.50 | 2.25 | 45.00 | 4.50 | | | | |
| 16 + 20.000 | 20.000 | 48.90 | 49.30 | 986.00 | 98.60 | 4.50 | 4.50 | 90.00 | 9.00 | | | | |
| 16 + 40.000 | 20.000 | 48.40 | 48.65 | 973.00 | 97.30 | 4.50 | 4.50 | 90.00 | 9.00 | | | | |
| 16 + 60.000 | 20.000 | 48.30 | 48.35 | 967.00 | 96.70 | 4.50 | 4.50 | 90.00 | 9.00 | | | | |
| 16 + 80.000 | 20.000 | 48.60 | 48.45 | 969.00 | 96.90 | 4.50 | 4.50 | 90.00 | 9.00 | | | | |
| 16 + 100.000 | 20.000 | 48.60 | 48.60 | 972.00 | 97.20 | 4.50 | 4.50 | 90.00 | 9.00 | | | | |
| 16 + 120.000 | 20.000 | 48.80 | 48.70 | 974.00 | 97.40 | 4.50 | 4.50 | 90.00 | 9.00 | | | | |
| 16 + 140.000 | 20.000 | 49.65 | 49.23 | 984.50 | 98.45 | 4.50 | 4.50 | 90.00 | 9.00 | | | | |
| 16 + 160.000 | 20.000 | 48.00 | 48.83 | 976.50 | 97.65 | 4.50 | 4.50 | 90.00 | 9.00 | | | | |
| 16 + 180.000 | 20.000 | 47.90 | 47.95 | 959.00 | 95.90 | 4.50 | 4.50 | 90.00 | 9.00 | | | | |
| 16 + 200.000 | 20.000 | 53.50 | 50.70 | 1,014.00 | 101.40 | | 2.25 | 45.00 | 4.50 | | | | |
| 16 + 220.000 | 20.000 | 46.10 | 49.80 | 996.00 | 99.60 | 4.50 | 2.25 | 45.00 | 4.50 | | | | |
| 16 + 240.000 | 20.000 | 33.50 | 39.80 | 796.00 | 79.60 | 5.00 | 4.75 | 95.00 | 9.50 | | | | |
| 16 + 260.000 | 20.000 | 37.00 | 35.25 | 705.00 | 70.50 | | 2.50 | 50.00 | 5.00 | | | | |
| 16 + 280.000 | 20.000 | 28.00 | 32.50 | 650.00 | 65.00 | 4.00 | 2.00 | 40.00 | 4.00 | | | | |
| 16 + 300.000 | 20.000 | 27.00 | 27.50 | 550.00 | 55.00 | | 2.00 | 40.00 | 4.00 | | | | |
| 16 + 320.000 | 20.000 | 20.00 | 23.50 | 470.00 | 47.00 | 4.00 | 2.00 | 40.00 | 4.00 | | | | |

COMPUTATION OF VOLUMES

MAIN ROAD

| STATION | DISTANCE | REMOVAL OF TOPSOIL | | | | | | SIDE-BORROW SECTION (IN CUT AREA) | | | | | |
|--------------|----------|--------------------|----------------|---------------------------|---------------------------------------|--------------|----------------|-----------------------------------|---------------------------------------|--------------|-----------------------------------|---------------------------|---------------------------------------|
| | | IN CUT AREA | | | IN FILL AREA | | | SIDE-BORROW SECTION (IN CUT AREA) | | | SIDE-BORROW SECTION (IN CUT AREA) | | |
| | | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) |
| 16 + 340.000 | 20.000 | 13.00 | 16.50 | 330.00 | 33.00 | 4.00 | 4.00 | 80.00 | 8.00 | | | | |
| 16 + 360.000 | 20.000 | 8.50 | 10.75 | 215.00 | 21.50 | 4.00 | 4.00 | 80.00 | 8.00 | | | | |
| 16 + 380.000 | 20.000 | 1.50 | 5.00 | 100.00 | 10.00 | 5.00 | 4.50 | 90.00 | 9.00 | | | | |
| 16 + 400.000 | 20.000 | 4.00 | 2.75 | 55.00 | 5.50 | | 2.50 | 50.00 | 5.00 | | | | |
| 16 + 420.000 | 20.000 | | 2.00 | 40.00 | 4.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 16 + 440.000 | 20.000 | | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 16 + 456.704 | 16.704 | | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 16 + 460.000 | 3.296 | | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 16 + 480.000 | 20.000 | | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 16 + 500.000 | 20.000 | | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 16 + 520.000 | 20.000 | | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 16 + 540.000 | 20.000 | | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 16 + 560.000 | 20.000 | | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 16 + 580.000 | 20.000 | | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 16 + 600.000 | 20.000 | | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 16 + 620.000 | 20.000 | | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 16 + 640.000 | 20.000 | | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 16 + 660.000 | 20.000 | | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 16 + 680.000 | 20.000 | | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 16 + 700.000 | 20.000 | | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 16 + 720.000 | 20.000 | | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 16 + 723.371 | 3.371 | 1.70 | 0.85 | 2.87 | 0.29 | | 0.00 | 0.00 | 0.00 | | | | |
| 16 + 740.000 | 16.629 | 5.50 | 3.60 | 59.86 | 5.99 | 16.20 | 8.10 | 134.69 | 13.47 | | | | |
| 16 + 760.000 | 20.000 | 5.50 | 5.50 | 110.00 | 11.00 | | 8.10 | 162.00 | 16.20 | | | | |
| 16 + 780.000 | 20.000 | 19.50 | 12.50 | 250.00 | 25.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 16 + 800.000 | 20.000 | 24.00 | 21.75 | 435.00 | 43.50 | | 0.00 | 0.00 | 0.00 | | | | |
| 16 + 820.000 | 20.000 | 10.00 | 17.00 | 340.00 | 34.00 | 13.50 | 6.75 | 135.00 | 13.50 | | | | |
| 16 + 840.000 | 20.000 | 7.00 | 8.50 | 170.00 | 17.00 | 16.50 | 15.00 | 300.00 | 30.00 | | | | |
| 16 + 860.000 | 20.000 | 4.50 | 5.75 | 115.00 | 11.50 | 18.50 | 17.50 | 350.00 | 35.00 | | | | |
| 16 + 880.000 | 20.000 | 12.50 | 8.50 | 170.00 | 17.00 | 4.00 | 11.25 | 225.00 | 22.50 | | | | |

COMPUTATION OF VOLUMES

MAIN ROAD

| STATION | DISTANCE | REMOVAL OF TOPSOIL | | | | | | SIDE-BORROW SECTION (IN CUT AREA) | | | | | |
|--------------|----------|--------------------|----------------|---------------------------|---------------------------------------|--------------|----------------|-----------------------------------|---------------------------------------|--------------|----------------|---------------------------|---------------------------------------|
| | | IN CUT AREA | | | IN FILL AREA | | | WIDTH | | | AVERAGE | | |
| | | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) |
| 16 + 900.000 | 20.000 | | 6.25 | 125.00 | 12.50 | | 2.00 | 40.00 | 4.00 | | | | |
| 16 + 920.000 | 20.000 | | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 16 + 940.000 | 20.000 | | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 16 + 960.000 | 20.000 | | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 16 + 980.000 | 20.000 | | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 17 + 0.000 | 20.000 | 6.10 | 3.05 | 61.00 | 6.10 | 26.50 | 13.25 | 265.00 | 26.50 | | | | |
| 17 + 1.586 | 1.586 | 6.40 | 6.25 | 9.91 | 0.99 | 26.50 | 26.50 | 42.03 | 4.20 | | | | |
| 17 + 20.000 | 18.414 | 29.10 | 17.75 | 326.85 | 32.68 | | 13.25 | 243.99 | 24.40 | | | | |
| 17 + 40.000 | 20.000 | 34.60 | 31.85 | 637.00 | 63.70 | | 0.00 | 0.00 | 0.00 | | | | |
| 17 + 60.000 | 20.000 | 37.40 | 36.00 | 720.00 | 72.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 17 + 80.000 | 20.000 | 41.50 | 39.45 | 789.00 | 78.90 | | 0.00 | 0.00 | 0.00 | | | | |
| 17 + 100.000 | 20.000 | 44.20 | 42.85 | 857.00 | 85.70 | | 0.00 | 0.00 | 0.00 | | | | |
| 17 + 120.000 | 20.000 | 46.20 | 45.20 | 904.00 | 90.40 | | 0.00 | 0.00 | 0.00 | | | | |
| 17 + 140.000 | 20.000 | 45.60 | 45.90 | 918.00 | 91.80 | | 0.00 | 0.00 | 0.00 | | | | |
| 17 + 160.000 | 20.000 | 45.60 | 45.60 | 912.00 | 91.20 | | 0.00 | 0.00 | 0.00 | | | | |
| 17 + 180.000 | 20.000 | 44.60 | 45.10 | 902.00 | 90.20 | | 0.00 | 0.00 | 0.00 | | | | |
| 17 + 200.000 | 20.000 | 42.60 | 43.60 | 872.00 | 87.20 | | 0.00 | 0.00 | 0.00 | | | | |
| 17 + 220.000 | 20.000 | 41.70 | 42.15 | 843.00 | 84.30 | | 0.00 | 0.00 | 0.00 | | | | |
| 17 + 240.000 | 20.000 | 36.90 | 39.30 | 786.00 | 78.60 | | 0.00 | 0.00 | 0.00 | | | | |
| 17 + 260.000 | 20.000 | 33.30 | 35.10 | 702.00 | 70.20 | | 0.00 | 0.00 | 0.00 | | | | |
| 17 + 280.000 | 20.000 | 16.70 | 25.00 | 500.00 | 50.00 | 13.90 | 6.95 | 139.00 | 13.90 | | | | |
| 17 + 300.000 | 20.000 | 5.90 | 11.30 | 226.00 | 22.60 | 25.00 | 19.45 | 389.00 | 38.90 | | | | |
| 17 + 320.000 | 20.000 | 3.40 | 4.65 | 93.00 | 9.30 | 30.20 | 27.60 | 552.00 | 55.20 | | | | |
| 17 + 340.000 | 20.000 | 3.40 | 3.40 | 68.00 | 6.80 | 31.50 | 30.85 | 617.00 | 61.70 | | | | |
| 17 + 341.462 | 1.462 | 3.40 | 3.40 | 4.97 | 0.50 | 31.30 | 31.40 | 45.91 | 4.59 | | | | |
| 17 + 360.000 | 18.538 | 9.25 | 6.33 | 117.25 | 11.73 | 31.00 | 31.15 | 577.46 | 57.75 | | | | |
| 17 + 380.000 | 20.000 | 15.00 | 12.13 | 242.50 | 24.25 | 24.40 | 27.70 | 554.00 | 55.40 | | | | |
| 17 + 400.000 | 20.000 | 9.50 | 12.25 | 245.00 | 24.50 | 30.00 | 27.20 | 544.00 | 54.40 | | | | |
| 17 + 420.000 | 20.000 | 7.50 | 8.50 | 170.00 | 17.00 | 32.70 | 31.35 | 627.00 | 62.70 | | | | |
| 17 + 440.000 | 20.000 | 7.50 | 7.50 | 150.00 | 15.00 | 35.40 | 34.05 | 681.00 | 68.10 | | | | |

COMPUTATION OF VOLUMES

MAIN ROAD

| STATION | DISTANCE | REMOVAL OF TOPSOIL | | | | SIDE-BORROW SECTION (IN CUT AREA) | | | |
|--------------|----------|--------------------|----------------|---------------------------|---------------------------------------|-----------------------------------|----------------|---------------------------|---------------------------------------|
| | | IN CUT AREA | | IN FILL AREA | | VOLUME | | AREA | |
| | | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) |
| 17 + 460.000 | 20.000 | 7.10 | 7.70 | 146.00 | 14.60 | 32.90 | 34.15 | 683.00 | 68.30 |
| 17 + 480.000 | 20.000 | 6.70 | 6.90 | 138.00 | 13.80 | 31.20 | 32.05 | 641.00 | 64.10 |
| 17 + 500.000 | 20.000 | 6.90 | 6.80 | 136.00 | 13.60 | 28.30 | 29.75 | 595.00 | 59.50 |
| 17 + 520.000 | 20.000 | 11.20 | 9.05 | 181.00 | 18.10 | 24.00 | 26.15 | 523.00 | 52.30 |
| 17 + 540.000 | 20.000 | 12.00 | 11.60 | 232.00 | 23.20 | 25.80 | 24.90 | 498.00 | 49.80 |
| 17 + 560.000 | 20.000 | 15.00 | 13.50 | 270.00 | 27.00 | 21.60 | 23.70 | 474.00 | 47.40 |
| 17 + 580.000 | 20.000 | 20.10 | 17.55 | 351.00 | 35.10 | 15.50 | 18.55 | 371.00 | 37.10 |
| 17 + 600.000 | 20.000 | 33.50 | 26.80 | 536.00 | 53.60 | | 7.75 | 155.00 | 15.50 |
| 17 + 620.000 | 20.000 | 33.80 | 33.65 | 673.00 | 67.30 | | 0.00 | 0.00 | 0.00 |
| 17 + 640.000 | 20.000 | 35.50 | 34.65 | 693.00 | 69.30 | | 0.00 | 0.00 | 0.00 |
| 17 + 660.000 | 20.000 | 36.90 | 36.20 | 724.00 | 72.40 | | 0.00 | 0.00 | 0.00 |
| 17 + 680.000 | 20.000 | 34.40 | 35.65 | 713.00 | 71.30 | | 0.00 | 0.00 | 0.00 |
| 17 + 700.000 | 20.000 | 40.90 | 37.65 | 753.00 | 75.30 | | 0.00 | 0.00 | 0.00 |
| 17 + 717.493 | 17.493 | 41.75 | 41.33 | 722.90 | 72.29 | | 0.00 | 0.00 | 0.00 |
| 17 + 720.000 | 2.507 | 41.60 | 41.68 | 104.48 | 10.45 | | 0.00 | 0.00 | 0.00 |
| 17 + 740.000 | 20.000 | 39.65 | 40.63 | 812.50 | 81.25 | | 0.00 | 0.00 | 0.00 |
| 17 + 760.000 | 20.000 | 38.45 | 39.05 | 781.00 | 78.10 | | 0.00 | 0.00 | 0.00 |
| 17 + 780.000 | 20.000 | 35.50 | 36.98 | 739.50 | 73.95 | 12.00 | 6.00 | 120.00 | 12.00 |
| 17 + 800.000 | 20.000 | 40.60 | 38.05 | 761.00 | 76.10 | 11.50 | 11.75 | 235.00 | 23.50 |
| 17 + 820.000 | 20.000 | 40.50 | 40.55 | 811.00 | 81.10 | 4.00 | 7.75 | 155.00 | 15.50 |
| 17 + 840.000 | 20.000 | 34.00 | 37.25 | 745.00 | 74.50 | 8.00 | 6.00 | 120.00 | 12.00 |
| 17 + 860.000 | 20.000 | 27.50 | 30.75 | 615.00 | 61.50 | 14.00 | 11.00 | 220.00 | 22.00 |
| 17 + 867.493 | 7.493 | 24.00 | 25.75 | 192.94 | 19.29 | 20.00 | 17.00 | 127.38 | 12.74 |
| 17 + 880.000 | 12.507 | 23.50 | 23.75 | 297.04 | 29.70 | 22.00 | 21.00 | 262.65 | 26.26 |
| 17 + 900.000 | 20.000 | 26.50 | 25.00 | 500.00 | 50.00 | 18.00 | 20.00 | 400.00 | 40.00 |
| 17 + 920.000 | 20.000 | 13.00 | 19.75 | 395.00 | 39.50 | 31.50 | 24.75 | 495.00 | 49.50 |
| 17 + 940.000 | 20.000 | 19.50 | 16.25 | 325.00 | 32.50 | 18.00 | 24.75 | 495.00 | 49.50 |
| 17 + 960.000 | 20.000 | 15.50 | 17.50 | 350.00 | 35.00 | 28.00 | 23.00 | 460.00 | 46.00 |
| 17 + 980.000 | 20.000 | 25.00 | 20.25 | 405.00 | 40.50 | 16.50 | 22.25 | 445.00 | 44.50 |
| 18 + 0.000 | 20.000 | 19.00 | 22.00 | 440.00 | 44.00 | 20.00 | 18.25 | 365.00 | 36.50 |

COMPUTATION OF VOLUMES

MAIN ROAD

| STATION | DISTANCE | REMOVAL OF TOPSOIL | | | | | | SIDE-BORROW SECTION (IN CUT AREA) | | | | | |
|--------------|----------|--------------------|----------------|---------------------------|---------------------------------------|--------------|----------------|-----------------------------------|---------------------------------------|--------------|----------------|---------------------------|---------------------------------------|
| | | IN CUT AREA | | | IN FILL AREA | | | WIDTH | | | AVERAGE | | |
| | | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME i=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME i=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME i=10cm (m ³) |
| 18 + 20.000 | 20.000 | 26.50 | 22.75 | 455.00 | 45.50 | 18.00 | 19.00 | 380.00 | 38.00 | | | | |
| 18 + 40.000 | 20.000 | 16.00 | 21.25 | 425.00 | 42.50 | 25.00 | 21.50 | 430.00 | 43.00 | | | | |
| 18 + 60.000 | 20.000 | 18.00 | 17.00 | 340.00 | 34.00 | 26.00 | 25.50 | 510.00 | 51.00 | | | | |
| 18 + 80.000 | 20.000 | 14.00 | 16.00 | 320.00 | 32.00 | 31.50 | 28.75 | 575.00 | 57.50 | | | | |
| 18 + 100.000 | 20.000 | 19.00 | 16.50 | 330.00 | 33.00 | 27.50 | 29.50 | 590.00 | 59.00 | | | | |
| 18 + 120.000 | 20.000 | 14.50 | 16.75 | 335.00 | 33.50 | 30.50 | 29.00 | 580.00 | 58.00 | | | | |
| 18 + 136.257 | 16.257 | 12.50 | 13.50 | 219.47 | 21.95 | 35.00 | 32.75 | 532.42 | 53.24 | | | | |
| 18 + 140.000 | 3.743 | 13.00 | 12.75 | 47.72 | 4.77 | 35.50 | 35.25 | 131.94 | 13.19 | | | | |
| 18 + 160.000 | 20.000 | 12.50 | 12.75 | 255.00 | 25.50 | 41.50 | 38.50 | 770.00 | 77.00 | | | | |
| 18 + 180.000 | 20.000 | 7.50 | 10.00 | 200.00 | 20.00 | 42.50 | 42.00 | 840.00 | 84.00 | | | | |
| 18 + 200.000 | 20.000 | 7.00 | 7.25 | 145.00 | 14.50 | 42.50 | 42.50 | 850.00 | 85.00 | | | | |
| 18 + 220.000 | 20.000 | 6.50 | 6.75 | 135.00 | 13.50 | 42.50 | 42.50 | 850.00 | 85.00 | | | | |
| 18 + 240.000 | 20.000 | 6.50 | 6.50 | 130.00 | 13.00 | 44.00 | 43.25 | 865.00 | 86.50 | | | | |
| 18 + 260.000 | 20.000 | 8.00 | 7.25 | 145.00 | 14.50 | 45.00 | 44.50 | 890.00 | 89.00 | | | | |
| 18 + 280.000 | 20.000 | 8.50 | 8.25 | 165.00 | 16.50 | 45.00 | 45.00 | 900.00 | 90.00 | | | | |
| 18 + 286.257 | 6.257 | 11.50 | 10.00 | 62.57 | 6.26 | 44.50 | 44.75 | 280.00 | 28.00 | | | | |
| 18 + 300.000 | 13.743 | 12.00 | 11.75 | 161.48 | 16.15 | 41.50 | 43.00 | 590.95 | 59.09 | | | | |
| 18 + 320.000 | 20.000 | 14.50 | 13.25 | 265.00 | 26.50 | 41.00 | 41.25 | 825.00 | 82.50 | | | | |
| 18 + 340.000 | 20.000 | 14.00 | 14.25 | 285.00 | 28.50 | 42.50 | 41.75 | 835.00 | 83.50 | | | | |
| 18 + 360.000 | 20.000 | 14.50 | 14.25 | 285.00 | 28.50 | 45.50 | 44.00 | 880.00 | 88.00 | | | | |
| 18 + 380.000 | 20.000 | 14.00 | 14.25 | 285.00 | 28.50 | 46.50 | 46.00 | 920.00 | 92.00 | | | | |
| 18 + 400.000 | 20.000 | 10.50 | 12.25 | 245.00 | 24.50 | 45.00 | 45.75 | 915.00 | 91.50 | | | | |
| 18 + 420.000 | 20.000 | 12.50 | 11.50 | 230.00 | 23.00 | 41.00 | 43.00 | 860.00 | 86.00 | | | | |
| 18 + 440.000 | 20.000 | 15.00 | 13.75 | 275.00 | 27.50 | 45.00 | 43.00 | 860.00 | 86.00 | | | | |
| 18 + 460.000 | 20.000 | 15.50 | 15.25 | 305.00 | 30.50 | 37.00 | 41.00 | 820.00 | 82.00 | | | | |
| 18 + 480.000 | 20.000 | 15.00 | 15.25 | 305.00 | 30.50 | 40.50 | 38.75 | 775.00 | 77.50 | | | | |
| 18 + 500.000 | 20.000 | 13.50 | 14.25 | 285.00 | 28.50 | 38.50 | 39.50 | 790.00 | 79.00 | | | | |
| 18 + 520.000 | 20.000 | 18.50 | 16.00 | 320.00 | 32.00 | 27.00 | 32.75 | 655.00 | 65.50 | | | | |
| 18 + 540.000 | 20.000 | 24.00 | 21.25 | 425.00 | 42.50 | 26.00 | 26.50 | 530.00 | 53.00 | | | | |
| 18 + 560.000 | 20.000 | 25.50 | 24.75 | 495.00 | 49.50 | 24.50 | 25.25 | 505.00 | 50.50 | | | | |

COMPUTATION OF VOLUMES

MAIN ROAD

| STATION | DISTANCE | REMOVAL OF TOPSOIL | | | | | | SIDE-BORROW SECTION (IN CUT AREA) | | | | | |
|--------------|----------|--------------------|----------------|---------------------------|---------------------------------------|--------------|----------------|-----------------------------------|---------------------------------------|--------------|-----------------------------------|---------------------------|---------------------------------------|
| | | IN CUT AREA | | | IN FILL AREA | | | SIDE-BORROW SECTION (IN CUT AREA) | | | SIDE-BORROW SECTION (IN CUT AREA) | | |
| | | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME l=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME l=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME l=10cm (m ³) |
| 18 + 580.000 | 20.000 | 48.50 | 37.00 | 740.00 | 74.00 | | | | 24.50 | | | | |
| 18 + 600.000 | 20.000 | 39.50 | 44.00 | 880.00 | 88.00 | 12.50 | 6.25 | 125.00 | 12.50 | | | | |
| 18 + 620.000 | 20.000 | 45.00 | 42.25 | 845.00 | 84.50 | | 6.25 | 125.00 | 12.50 | | | | |
| 18 + 640.000 | 20.000 | 40.50 | 42.75 | 855.00 | 85.50 | 4.50 | 2.25 | 45.00 | 4.50 | | | | |
| 18 + 660.000 | 20.000 | 55.00 | 47.75 | 955.00 | 95.50 | | 2.25 | 45.00 | 4.50 | | | | |
| 18 + 680.000 | 20.000 | 54.50 | 54.75 | 1,095.00 | 109.50 | | 0.00 | 0.00 | 0.00 | | | | |
| 18 + 700.000 | 20.000 | 45.00 | 49.75 | 995.00 | 99.50 | 2.00 | 1.00 | 20.00 | 2.00 | | | | |
| 18 + 720.000 | 20.000 | 46.50 | 45.75 | 915.00 | 91.50 | | 1.00 | 20.00 | 2.00 | | | | |
| 18 + 736.257 | 16.257 | 49.50 | 48.00 | 780.34 | 78.03 | | 0.00 | 0.00 | 0.00 | | | | |
| 18 + 740.000 | 3.743 | 48.00 | 48.75 | 182.47 | 18.25 | | 0.00 | 0.00 | 0.00 | | | | |
| 18 + 760.000 | 20.000 | 53.00 | 50.50 | 1,010.00 | 101.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 18 + 780.000 | 20.000 | 54.00 | 53.50 | 1,070.00 | 107.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 18 + 800.000 | 20.000 | 56.50 | 55.25 | 1,105.00 | 110.50 | | 0.00 | 0.00 | 0.00 | | | | |
| 18 + 820.000 | 20.000 | 57.00 | 56.75 | 1,135.00 | 113.50 | | 0.00 | 0.00 | 0.00 | | | | |
| 18 + 840.000 | 20.000 | 49.50 | 53.25 | 1,065.00 | 106.50 | 7.00 | 3.50 | 70.00 | 7.00 | | | | |
| 18 + 860.000 | 20.000 | 43.50 | 46.50 | 930.00 | 93.00 | 2.50 | 4.75 | 95.00 | 9.50 | | | | |
| 18 + 880.000 | 20.000 | 52.50 | 48.00 | 960.00 | 96.00 | 2.50 | 2.50 | 50.00 | 5.00 | | | | |
| 18 + 900.000 | 20.000 | 44.50 | 48.50 | 970.00 | 97.00 | 7.00 | 4.75 | 95.00 | 9.50 | | | | |
| 18 + 920.000 | 20.000 | 47.00 | 45.75 | 915.00 | 91.50 | 3.00 | 5.00 | 100.00 | 10.00 | | | | |
| 18 + 940.000 | 20.000 | 38.50 | 42.75 | 855.00 | 85.50 | 12.50 | 7.75 | 155.00 | 15.50 | | | | |
| 18 + 960.000 | 20.000 | 25.00 | 31.75 | 635.00 | 63.50 | 22.00 | 17.25 | 345.00 | 34.50 | | | | |
| 18 + 980.000 | 20.000 | 20.50 | 22.75 | 455.00 | 45.50 | 7.50 | 14.75 | 295.00 | 29.50 | | | | |
| 19 + 0.000 | 20.000 | 13.70 | 17.10 | 342.00 | 34.20 | 27.70 | 17.60 | 352.00 | 35.20 | | | | |
| 19 + 20.000 | 20.000 | 5.80 | 9.75 | 195.00 | 19.50 | 40.30 | 34.00 | 680.00 | 68.00 | | | | |
| 19 + 40.000 | 20.000 | 7.50 | 6.65 | 133.00 | 13.30 | 42.30 | 41.30 | 826.00 | 82.60 | | | | |
| 19 + 51.992 | 11.992 | 6.00 | 6.75 | 80.95 | 8.09 | 42.30 | 42.30 | 507.26 | 50.73 | | | | |
| 19 + 60.000 | 8.008 | 8.20 | 7.10 | 56.86 | 5.69 | 43.20 | 42.75 | 342.34 | 34.23 | | | | |
| 19 + 80.000 | 20.000 | 7.30 | 7.75 | 155.00 | 15.50 | 45.10 | 44.15 | 883.00 | 88.30 | | | | |
| 19 + 100.000 | 20.000 | 8.90 | 8.10 | 162.00 | 16.20 | 43.90 | 44.50 | 890.00 | 89.00 | | | | |
| 19 + 120.000 | 20.000 | 3.20 | 6.05 | 121.00 | 12.10 | 44.10 | 44.00 | 880.00 | 88.00 | | | | |

COMPUTATION OF VOLUMES

MAIN ROAD

| STATION | DISTANCE | REMOVAL OF TOPSOIL | | | | | | SIDE-BORROW SECTION (IN CUT AREA) | | | | | |
|--------------|----------|--------------------|----------------|---------------------------|---------------------------------------|--------------|----------------|-----------------------------------|---------------------------------------|--------------|----------------|---------------------------|---------------------------------------|
| | | IN CUT AREA | | | IN FILL AREA | | | IN CUT AREA | | | IN FILL AREA | | |
| | | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) |
| 19 + 140.000 | 20.000 | 3.00 | 3.10 | 62.00 | 6.20 | 47.60 | 45.85 | 917.00 | 91.70 | | | | |
| 19 + 160.000 | 20.000 | 3.40 | 3.20 | 64.00 | 6.40 | 45.30 | 46.45 | 929.00 | 92.90 | | | | |
| 19 + 180.000 | 20.000 | 3.80 | 3.60 | 72.00 | 7.20 | 43.40 | 44.35 | 887.00 | 88.70 | | | | |
| 19 + 200.000 | 20.000 | 4.80 | 4.30 | 86.00 | 8.60 | 42.60 | 43.00 | 860.00 | 86.00 | | | | |
| 19 + 220.000 | 20.000 | 6.90 | 5.85 | 117.00 | 11.70 | 32.50 | 37.55 | 751.00 | 75.10 | | | | |
| 19 + 240.000 | 20.000 | 23.80 | 15.35 | 307.00 | 30.70 | 16.10 | 24.30 | 486.00 | 48.60 | | | | |
| 19 + 260.000 | 20.000 | 41.50 | 32.65 | 653.00 | 65.30 | | 8.05 | 161.00 | 16.10 | | | | |
| 19 + 280.000 | 20.000 | 45.50 | 43.50 | 870.00 | 87.00 | 2.00 | 1.00 | 20.00 | 2.00 | | | | |
| 19 + 300.000 | 20.000 | 51.60 | 48.55 | 971.00 | 97.10 | | 1.00 | 20.00 | 2.00 | | | | |
| 19 + 320.000 | 20.000 | 43.80 | 47.70 | 954.00 | 95.40 | 2.00 | 1.00 | 20.00 | 2.00 | | | | |
| 19 + 340.000 | 20.000 | 42.20 | 43.00 | 860.00 | 86.00 | | 1.00 | 20.00 | 2.00 | | | | |
| 19 + 360.000 | 20.000 | 38.20 | 40.20 | 804.00 | 80.40 | 1.90 | 0.95 | 19.00 | 1.90 | | | | |
| 19 + 380.000 | 20.000 | 20.80 | 29.50 | 590.00 | 59.00 | 22.30 | 12.10 | 242.00 | 24.20 | | | | |
| 19 + 400.000 | 20.000 | 16.00 | 18.40 | 368.00 | 36.80 | 28.00 | 25.15 | 503.00 | 50.30 | | | | |
| 19 + 420.000 | 20.000 | 5.60 | 10.80 | 216.00 | 21.60 | 41.80 | 34.90 | 698.00 | 69.80 | | | | |
| 19 + 440.000 | 20.000 | 4.00 | 4.80 | 96.00 | 9.60 | 47.80 | 44.80 | 896.00 | 89.60 | | | | |
| 19 + 460.000 | 20.000 | 4.00 | 4.00 | 80.00 | 8.00 | 51.10 | 49.45 | 989.00 | 98.90 | | | | |
| 19 + 480.000 | 20.000 | 3.50 | 3.75 | 75.00 | 7.50 | 60.00 | 55.55 | 1,111.00 | 111.10 | | | | |
| 19 + 500.000 | 20.000 | 22.00 | 12.75 | 255.00 | 25.50 | 50.00 | 55.00 | 1,100.00 | 110.00 | | | | |
| 19 + 501.992 | 1.992 | 22.80 | 22.40 | 44.62 | 4.46 | 50.50 | 50.25 | 100.10 | 10.01 | | | | |
| 19 + 520.000 | 18.008 | 30.00 | 26.40 | 475.41 | 47.54 | 50.50 | 50.50 | 909.40 | 90.94 | | | | |
| 19 + 540.000 | 20.000 | 21.00 | 25.50 | 510.00 | 51.00 | 50.50 | 50.50 | 1,010.00 | 101.00 | | | | |
| 19 + 560.000 | 20.000 | 15.50 | 18.25 | 365.00 | 36.50 | 51.00 | 50.75 | 1,015.00 | 101.50 | | | | |
| 19 + 580.000 | 20.000 | 10.00 | 12.75 | 255.00 | 25.50 | 53.00 | 52.00 | 1,040.00 | 104.00 | | | | |
| 19 + 600.000 | 20.000 | 3.60 | 6.80 | 136.00 | 13.60 | 65.50 | 59.25 | 1,185.00 | 118.50 | | | | |
| 19 + 620.000 | 20.000 | 5.00 | 4.30 | 86.00 | 8.60 | 46.50 | 56.00 | 1,120.00 | 112.00 | | | | |
| 19 + 640.000 | 20.000 | 6.00 | 5.50 | 110.00 | 11.00 | 45.00 | 45.75 | 915.00 | 91.50 | | | | |
| 19 + 660.000 | 20.000 | 7.00 | 6.50 | 130.00 | 13.00 | 44.60 | 44.80 | 896.00 | 89.60 | | | | |
| 19 + 665.167 | 5.167 | 6.00 | 6.50 | 33.59 | 3.36 | 43.20 | 43.90 | 226.83 | 22.68 | | | | |
| 19 + 680.000 | 14.833 | 6.95 | 6.48 | 96.04 | 9.60 | 42.00 | 42.60 | 631.89 | 63.19 | | | | |

COMPUTATION OF VOLUMES

MAIN ROAD

| STATION | DISTANCE | REMOVAL OF TOPSOIL | | | | | | SIDE-BORROW SECTION (IN CUT AREA) | | | | | |
|--------------|----------|--------------------|----------------|---------------------------|---------------------------------------|--------------|----------------|-----------------------------------|---------------------------------------|--------------|----------------|---------------------------|---------------------------------------|
| | | IN CUT AREA | | | IN FILL AREA | | | IN CUT AREA | | | IN FILL AREA | | |
| | | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME l=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME l=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME l=10cm (m ³) |
| 19 + 700.000 | 20.000 | 10.00 | 8.48 | 169.50 | 16.95 | 37.00 | 39.50 | 790.00 | 79.00 | | | | |
| 19 + 720.000 | 20.000 | 6.20 | 8.10 | 162.00 | 16.20 | 35.50 | 36.25 | 725.00 | 72.50 | | | | |
| 19 + 740.000 | 20.000 | 15.50 | 10.85 | 217.00 | 21.70 | 31.00 | 33.25 | 665.00 | 66.50 | | | | |
| 19 + 760.000 | 20.000 | 43.30 | 29.40 | 588.00 | 58.80 | | 15.50 | 310.00 | 31.00 | | | | |
| 19 + 780.000 | 20.000 | 55.20 | 49.25 | 985.00 | 98.50 | | 0.00 | 0.00 | 0.00 | | | | |
| 19 + 800.000 | 20.000 | 56.70 | 55.95 | 1,119.00 | 111.90 | | 0.00 | 0.00 | 0.00 | | | | |
| 19 + 820.000 | 20.000 | 61.00 | 58.85 | 1,177.00 | 117.70 | | 0.00 | 0.00 | 0.00 | | | | |
| 19 + 840.000 | 20.000 | 59.00 | 60.00 | 1,200.00 | 120.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 19 + 860.000 | 20.000 | 60.10 | 59.55 | 1,191.00 | 119.10 | | 0.00 | 0.00 | 0.00 | | | | |
| 19 + 875.500 | 13.500 | 63.50 | 61.80 | 834.30 | 83.43 | | 0.00 | 0.00 | 0.00 | | | | |
| 19 + 880.000 | 6.500 | 56.50 | 60.00 | 390.00 | 39.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 19 + 900.000 | 20.000 | 55.50 | 56.00 | 1,120.00 | 112.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 19 + 920.000 | 20.000 | 53.50 | 54.50 | 1,090.00 | 109.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 19 + 940.000 | 20.000 | 46.30 | 49.90 | 998.00 | 99.80 | 6.00 | 3.00 | 60.00 | 6.00 | | | | |
| 19 + 960.000 | 20.000 | 43.50 | 44.90 | 898.00 | 89.80 | 7.00 | 6.50 | 130.00 | 13.00 | | | | |
| 19 + 980.000 | 20.000 | 42.60 | 43.05 | 861.00 | 86.10 | 6.50 | 6.75 | 135.00 | 13.50 | | | | |
| 20 + 0.000 | 20.000 | 41.30 | 41.95 | 839.00 | 83.90 | 6.00 | 6.25 | 125.00 | 12.50 | | | | |
| 20 + 20.000 | 20.000 | 40.10 | 40.70 | 814.00 | 81.40 | 6.00 | 6.00 | 120.00 | 12.00 | | | | |
| 20 + 40.000 | 20.000 | 45.20 | 42.65 | 853.00 | 85.30 | | 3.00 | 60.00 | 6.00 | | | | |
| 20 + 60.000 | 20.000 | 50.00 | 47.60 | 952.00 | 95.20 | | 0.00 | 0.00 | 0.00 | | | | |
| 20 + 80.000 | 20.000 | 42.20 | 46.10 | 922.00 | 92.20 | | 0.00 | 0.00 | 0.00 | | | | |
| 20 + 100.000 | 20.000 | 30.70 | 36.45 | 729.00 | 72.90 | 7.00 | 3.50 | 70.00 | 7.00 | | | | |
| 20 + 120.000 | 20.000 | 14.45 | 22.58 | 451.50 | 45.15 | 23.00 | 15.00 | 300.00 | 30.00 | | | | |
| 20 + 140.000 | 20.000 | 28.00 | 21.23 | 424.50 | 42.45 | 17.60 | 20.30 | 406.00 | 40.60 | | | | |
| 20 + 160.000 | 20.000 | 6.55 | 17.28 | 345.50 | 34.55 | 35.30 | 26.45 | 529.00 | 52.90 | | | | |
| 20 + 180.000 | 20.000 | 13.40 | 9.98 | 199.50 | 19.95 | 30.00 | 32.65 | 653.00 | 65.30 | | | | |
| 20 + 200.000 | 20.000 | 14.80 | 14.10 | 282.00 | 28.20 | 35.00 | 32.50 | 650.00 | 65.00 | | | | |
| 20 + 220.000 | 20.000 | 8.80 | 11.80 | 236.00 | 23.60 | 38.00 | 36.50 | 730.00 | 73.00 | | | | |
| 20 + 240.000 | 20.000 | 10.10 | 9.45 | 189.00 | 18.90 | 40.00 | 39.00 | 780.00 | 78.00 | | | | |
| 20 + 260.000 | 20.000 | 8.85 | 9.48 | 189.50 | 18.95 | 40.00 | 40.00 | 800.00 | 80.00 | | | | |

COMPUTATION OF VOLUMES

MAIN ROAD

| STATION | DISTANCE | REMOVAL OF TOPSOIL | | | | | | SIDE BORROW SECTION (IN CUT AREA) | | | | | |
|--------------|----------|--------------------|----------------|---------------------------|---------------------------------------|--------------|----------------|-----------------------------------|---------------------------------------|--------------|-----------------------------------|---------------------------|---------------------------------------|
| | | IN CUT AREA | | | IN FILL AREA | | | SIDE BORROW SECTION (IN CUT AREA) | | | SIDE BORROW SECTION (IN CUT AREA) | | |
| | | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME I=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME I=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME I=10cm (m ³) |
| 20 + 280.000 | 20.000 | 9.40 | 9.13 | 182.50 | 18.25 | 38.50 | 39.25 | 785.00 | 78.50 | | | | |
| 20 + 300.000 | 20.000 | 8.55 | 8.98 | 179.50 | 17.95 | 36.80 | 37.65 | 753.00 | 75.30 | | | | |
| 20 + 320.000 | 20.000 | 7.85 | 8.20 | 164.00 | 16.40 | 36.60 | 36.70 | 734.00 | 73.40 | | | | |
| 20 + 340.000 | 20.000 | 9.10 | 8.48 | 169.50 | 16.95 | 37.20 | 36.90 | 738.00 | 73.80 | | | | |
| 20 + 360.000 | 20.000 | 9.20 | 9.15 | 183.00 | 18.30 | 36.70 | 36.95 | 739.00 | 73.90 | | | | |
| 20 + 380.000 | 20.000 | 8.90 | 9.05 | 181.00 | 18.10 | 36.80 | 36.75 | 735.00 | 73.50 | | | | |
| 20 + 400.000 | 20.000 | 9.50 | 9.20 | 184.00 | 18.40 | 36.00 | 36.40 | 728.00 | 72.80 | | | | |
| 20 + 420.000 | 20.000 | 15.30 | 12.40 | 248.00 | 24.80 | 29.30 | 32.65 | 653.00 | 65.30 | | | | |
| 20 + 440.000 | 20.000 | 9.15 | 12.23 | 244.50 | 24.45 | 35.40 | 32.35 | 647.00 | 64.70 | | | | |
| 20 + 460.000 | 20.000 | 14.50 | 11.83 | 236.50 | 23.65 | 29.00 | 32.20 | 644.00 | 64.40 | | | | |
| 20 + 480.000 | 20.000 | 16.00 | 15.25 | 305.00 | 30.50 | 29.00 | 29.00 | 580.00 | 58.00 | | | | |
| 20 + 500.000 | 20.000 | 15.50 | 15.75 | 315.00 | 31.50 | 29.20 | 29.10 | 582.00 | 58.20 | | | | |
| 20 + 520.000 | 20.000 | 15.50 | 15.50 | 310.00 | 31.00 | 29.80 | 29.50 | 590.00 | 59.00 | | | | |
| 20 + 540.000 | 20.000 | 16.50 | 16.00 | 320.00 | 32.00 | 33.30 | 31.55 | 631.00 | 63.10 | | | | |
| 20 + 560.000 | 20.000 | 15.50 | 16.00 | 320.00 | 32.00 | 37.30 | 35.30 | 706.00 | 70.60 | | | | |
| 20 + 580.000 | 20.000 | 15.00 | 15.25 | 305.00 | 30.50 | 38.20 | 37.75 | 755.00 | 75.50 | | | | |
| 20 + 600.000 | 20.000 | 16.00 | 15.50 | 310.00 | 31.00 | 38.70 | 38.45 | 769.00 | 76.90 | | | | |
| 20 + 620.000 | 20.000 | 8.30 | 12.15 | 243.00 | 24.30 | 39.00 | 38.85 | 777.00 | 77.70 | | | | |
| 20 + 640.000 | 20.000 | 4.20 | 6.25 | 125.00 | 12.50 | 40.30 | 39.65 | 793.00 | 79.30 | | | | |
| 20 + 660.000 | 20.000 | 4.20 | 4.20 | 84.00 | 8.40 | 42.00 | 41.15 | 823.00 | 82.30 | | | | |
| 20 + 676.232 | 16.232 | 4.15 | 4.18 | 67.77 | 6.78 | 42.90 | 42.45 | 689.05 | 68.90 | | | | |
| 20 + 680.000 | 3.768 | 4.35 | 4.25 | 16.01 | 1.60 | 43.30 | 43.10 | 162.40 | 16.24 | | | | |
| 20 + 700.000 | 20.000 | 4.70 | 4.53 | 90.50 | 9.05 | 44.30 | 43.80 | 876.00 | 87.60 | | | | |
| 20 + 720.000 | 20.000 | 5.00 | 4.85 | 97.00 | 9.70 | 46.20 | 45.25 | 905.00 | 90.50 | | | | |
| 20 + 740.000 | 20.000 | 5.00 | 5.00 | 100.00 | 10.00 | 48.50 | 47.35 | 947.00 | 94.70 | | | | |
| 20 + 760.000 | 20.000 | | 2.50 | 50.00 | 5.00 | 45.00 | 46.75 | 935.00 | 93.50 | | | | |
| 20 + 780.000 | 20.000 | 2.80 | 1.40 | 28.00 | 2.80 | 51.50 | 48.25 | 965.00 | 96.50 | | | | |
| 20 + 800.000 | 20.000 | 2.60 | 2.70 | 54.00 | 5.40 | 53.70 | 52.60 | 1,052.00 | 105.20 | | | | |
| 20 + 820.000 | 20.000 | 2.70 | 2.65 | 53.00 | 5.30 | 55.20 | 54.45 | 1,089.00 | 108.90 | | | | |
| 20 + 840.000 | 20.000 | 2.60 | 2.65 | 53.00 | 5.30 | 56.80 | 56.00 | 1,120.00 | 112.00 | | | | |

COMPUTATION OF VOLUMES

MAIN ROAD

| STATION | DISTANCE | REMOVAL OF TOPSOIL | | | | | | SIDE-BORROW SECTION (IN CUT AREA) | | | | | |
|--------------|----------|--------------------|----------------|---------------------------|---------------------------------------|--------------|----------------|-----------------------------------|---------------------------------------|--------------|----------------|---------------------------|---------------------------------------|
| | | IN CUT AREA | | | IN FILL AREA | | | WIDTH | | | AVERAGE | | |
| | | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) |
| 20 + 860.000 | 20.000 | 2.70 | 2.65 | 53.00 | 5.30 | 58.80 | 57.80 | 1,156.00 | 115.60 | | | | |
| 20 + 880.000 | 20.000 | 2.70 | 2.70 | 54.00 | 5.40 | 59.80 | 59.30 | 1,186.00 | 118.60 | | | | |
| 20 + 884.565 | 4.565 | 2.70 | 2.70 | 12.33 | 1.23 | 59.40 | 59.60 | 272.07 | 27.21 | | | | |
| 20 + 900.000 | 15.435 | 2.60 | 2.65 | 40.90 | 4.09 | 55.90 | 57.65 | 889.83 | 88.98 | | | | |
| 20 + 920.000 | 20.000 | 7.00 | 4.80 | 96.00 | 9.60 | 61.00 | 58.45 | 1,169.00 | 116.90 | | | | |
| 20 + 940.000 | 20.000 | 11.50 | 9.25 | 185.00 | 18.50 | 59.50 | 60.25 | 1,205.00 | 120.50 | | | | |
| 20 + 960.000 | 20.000 | 16.50 | 14.00 | 280.00 | 28.00 | 53.00 | 56.25 | 1,125.00 | 112.50 | | | | |
| 20 + 980.000 | 20.000 | 12.00 | 14.25 | 285.00 | 28.50 | 51.50 | 52.25 | 1,045.00 | 104.50 | | | | |
| 21 + 0.000 | 20.000 | 7.00 | 9.50 | 190.00 | 19.00 | 59.50 | 55.50 | 1,110.00 | 111.00 | | | | |
| 21 + 20.000 | 20.000 | 6.00 | 6.50 | 130.00 | 13.00 | 49.50 | 54.50 | 1,090.00 | 109.00 | | | | |
| 21 + 40.000 | 20.000 | 6.60 | 6.30 | 126.00 | 12.60 | 35.50 | 42.50 | 850.00 | 85.00 | | | | |
| 21 + 60.000 | 20.000 | 7.50 | 7.05 | 141.00 | 14.10 | 29.00 | 32.25 | 645.00 | 64.50 | | | | |
| 21 + 80.000 | 20.000 | 32.50 | 20.00 | 400.00 | 40.00 | | 14.50 | 290.00 | 29.00 | | | | |
| 21 + 92.898 | 12.898 | 37.00 | 34.75 | 448.21 | 44.82 | | 0.00 | 0.00 | 0.00 | | | | |
| 21 + 100.000 | 7.102 | 38.00 | 37.50 | 266.32 | 26.63 | | 0.00 | 0.00 | 0.00 | | | | |
| 21 + 120.000 | 20.000 | 39.50 | 38.75 | 775.00 | 77.50 | | 0.00 | 0.00 | 0.00 | | | | |
| 21 + 140.000 | 20.000 | 41.50 | 40.50 | 810.00 | 81.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 21 + 160.000 | 20.000 | 41.50 | 41.50 | 830.00 | 83.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 21 + 180.000 | 20.000 | 45.00 | 43.25 | 865.00 | 86.50 | | 0.00 | 0.00 | 0.00 | | | | |
| 21 + 200.000 | 20.000 | 48.50 | 46.75 | 935.00 | 93.50 | | 0.00 | 0.00 | 0.00 | | | | |
| 21 + 220.000 | 20.000 | 49.50 | 49.00 | 980.00 | 98.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 21 + 240.000 | 20.000 | 50.50 | 50.00 | 1,000.00 | 100.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 21 + 260.000 | 20.000 | 52.50 | 51.50 | 1,030.00 | 103.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 21 + 280.000 | 20.000 | 53.00 | 52.75 | 1,055.00 | 105.50 | | 0.00 | 0.00 | 0.00 | | | | |
| 21 + 300.000 | 20.000 | 53.50 | 53.25 | 1,065.00 | 106.50 | | 0.00 | 0.00 | 0.00 | | | | |
| 21 + 320.000 | 20.000 | 52.00 | 52.75 | 1,055.00 | 105.50 | | 0.00 | 0.00 | 0.00 | | | | |
| 21 + 340.000 | 20.000 | 52.00 | 52.00 | 1,040.00 | 104.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 21 + 360.000 | 20.000 | 52.00 | 52.00 | 1,040.00 | 104.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 21 + 380.000 | 20.000 | 52.00 | 52.00 | 1,040.00 | 104.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 21 + 400.000 | 20.000 | 51.50 | 51.75 | 1,035.00 | 103.50 | | 0.00 | 0.00 | 0.00 | | | | |

COMPUTATION OF VOLUMES

MAIN ROAD

| STATION | DISTANCE | REMOVAL OF TOPSOIL | | | | | | SIDE-BORROW SECTION (IN CUT AREA) | | | | | |
|--------------|----------|--------------------|----------------|---------------------------|---------------------------------------|--------------|----------------|-----------------------------------|---------------------------------------|--------------|----------------|---------------------------|---------------------------------------|
| | | IN CUT AREA | | | IN FILL AREA | | | IN CUT AREA | | | IN FILL AREA | | |
| | | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) |
| 21 + 420.000 | 20.000 | 51.50 | 51.50 | 1,030.00 | 103.00 | | | | 0.00 | | | | |
| 21 + 440.000 | 20.000 | 51.50 | 51.50 | 1,030.00 | 103.00 | | | | 0.00 | | | | |
| 21 + 460.000 | 20.000 | 52.00 | 51.75 | 1,035.00 | 103.50 | | | | 0.00 | | | | |
| 21 + 480.000 | 20.000 | 50.50 | 51.25 | 1,025.00 | 102.50 | | | | 0.00 | | | | |
| 21 + 500.000 | 20.000 | 50.50 | 50.50 | 1,010.00 | 101.00 | | | | 0.00 | | | | |
| 21 + 520.000 | 20.000 | 51.00 | 50.75 | 1,015.00 | 101.50 | | | | 0.00 | | | | |
| 21 + 540.000 | 20.000 | 50.50 | 50.75 | 1,015.00 | 101.50 | | | | 0.00 | | | | |
| 21 + 560.000 | 20.000 | 46.50 | 48.50 | 970.00 | 97.00 | | | | 0.00 | | | | |
| 21 + 563.141 | 3.141 | 45.50 | 46.00 | 144.49 | 14.45 | | | | 0.00 | | | | |
| 21 + 580.000 | 16.859 | 43.80 | 44.65 | 752.75 | 75.28 | | | | 0.00 | | | | |
| 21 + 600.000 | 20.000 | 44.55 | 44.18 | 883.50 | 88.35 | 2.60 | 1.30 | 26.00 | 2.60 | | | | |
| 21 + 620.000 | 20.000 | 41.15 | 42.85 | 857.00 | 85.70 | 2.85 | 2.73 | 54.50 | 5.45 | | | | |
| 21 + 640.000 | 20.000 | 36.75 | 38.95 | 779.00 | 77.90 | 3.70 | 3.28 | 65.50 | 6.55 | | | | |
| 21 + 660.000 | 20.000 | 19.20 | 27.98 | 559.50 | 55.95 | 10.40 | 7.05 | 141.00 | 14.10 | | | | |
| 21 + 680.000 | 20.000 | 23.90 | 21.55 | 431.00 | 43.10 | 10.30 | 10.35 | 207.00 | 20.70 | | | | |
| 21 + 700.000 | 20.000 | 29.10 | 26.50 | 530.00 | 53.00 | | 5.15 | 103.00 | 10.30 | | | | |
| 21 + 720.000 | 20.000 | 30.50 | 29.80 | 596.00 | 59.60 | | 0.00 | 0.00 | 0.00 | | | | |
| 21 + 740.000 | 20.000 | 31.70 | 31.10 | 622.00 | 62.20 | | 0.00 | 0.00 | 0.00 | | | | |
| 21 + 760.000 | 20.000 | 33.40 | 32.55 | 651.00 | 65.10 | | 0.00 | 0.00 | 0.00 | | | | |
| 21 + 771.474 | 11.474 | 34.30 | 33.85 | 388.39 | 38.84 | | 0.00 | 0.00 | 0.00 | | | | |
| 21 + 780.000 | 8.526 | 34.90 | 34.60 | 295.00 | 29.50 | | 0.00 | 0.00 | 0.00 | | | | |
| 21 + 800.000 | 20.000 | 35.20 | 35.05 | 701.00 | 70.10 | | 0.00 | 0.00 | 0.00 | | | | |
| 21 + 820.000 | 20.000 | 36.60 | 35.90 | 718.00 | 71.80 | | 0.00 | 0.00 | 0.00 | | | | |
| 21 + 840.000 | 20.000 | 38.10 | 37.35 | 747.00 | 74.70 | | 0.00 | 0.00 | 0.00 | | | | |
| 21 + 860.000 | 20.000 | 39.40 | 38.75 | 775.00 | 77.50 | | 0.00 | 0.00 | 0.00 | | | | |
| 21 + 880.000 | 20.000 | 41.20 | 40.30 | 806.00 | 80.60 | | 0.00 | 0.00 | 0.00 | | | | |
| 21 + 900.000 | 20.000 | 45.30 | 43.25 | 865.00 | 86.50 | | 0.00 | 0.00 | 0.00 | | | | |
| 21 + 920.000 | 20.000 | 46.70 | 46.00 | 920.00 | 92.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 21 + 931.474 | 11.474 | 49.50 | 48.10 | 551.90 | 55.19 | | 0.00 | 0.00 | 0.00 | | | | |
| 21 + 940.000 | 8.526 | 50.30 | 49.90 | 425.45 | 42.54 | | 0.00 | 0.00 | 0.00 | | | | |

COMPUTATION OF VOLUMES

MAIN ROAD

| STATION | DISTANCE | REMOVAL OF TOPSOIL | | | | | | IN FILL AREA | | | | | | SIDE-BORROW SECTION (IN CUT AREA) | | | |
|--------------|----------|--------------------|----------------|---------------------------|---------------------------|---------------------------------------|---------------------------------------|--------------|----------------|---------------------------|---------------------------|---------------------------------------|---------------------------------------|-----------------------------------|--------------|----------------|---------------------------|
| | | IN CUT AREA | | | VOLUME | | | IN FILL AREA | | | VOLUME | | | WIDTH | | AVERAGE | |
| | | WIDTH (m) | AVERAGE (m) | AREA (m ²) | AREA (m ²) | VOLUME t=10cm (m ³) | VOLUME t=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | AREA (m ²) | VOLUME t=10cm (m ³) | VOLUME t=10cm (m ³) | WIDTH (m) | WIDTH (m) | AVERAGE (m) | AREA (m ²) |
| 21 + 960.000 | 20.000 | 52.40 | 51.35 | 1,027.00 | 1,027.00 | 102.70 | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 21 + 980.000 | 20.000 | 53.20 | 52.80 | 1,056.00 | 1,056.00 | 105.60 | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 22 + 0.000 | 20.000 | 55.00 | 54.10 | 1,082.00 | 1,082.00 | 108.20 | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 22 + 20.000 | 20.000 | 56.40 | 55.70 | 1,114.00 | 1,114.00 | 111.40 | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 22 + 40.000 | 20.000 | 57.10 | 56.75 | 1,135.00 | 1,135.00 | 113.50 | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 22 + 60.000 | 20.000 | 57.60 | 57.35 | 1,147.00 | 1,147.00 | 114.70 | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 22 + 80.000 | 20.000 | 57.20 | 57.40 | 1,148.00 | 1,148.00 | 114.80 | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 22 + 100.000 | 20.000 | 56.30 | 56.75 | 1,135.00 | 1,135.00 | 113.50 | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 22 + 105.231 | 3.231 | 55.90 | 56.10 | 181.26 | 181.26 | 18.13 | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 22 + 120.000 | 16.769 | 54.60 | 55.25 | 926.49 | 926.49 | 92.65 | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 22 + 140.000 | 20.000 | 53.00 | 53.80 | 1,076.00 | 1,076.00 | 107.60 | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 22 + 160.000 | 20.000 | 48.00 | 50.50 | 1,010.00 | 1,010.00 | 101.00 | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 22 + 180.000 | 20.000 | 51.00 | 49.50 | 990.00 | 990.00 | 99.00 | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 22 + 200.000 | 20.000 | 53.00 | 52.00 | 1,040.00 | 1,040.00 | 104.00 | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 22 + 220.000 | 20.000 | 49.50 | 51.25 | 1,025.00 | 1,025.00 | 102.50 | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 22 + 240.000 | 20.000 | 38.70 | 44.10 | 882.00 | 882.00 | 88.20 | 13.50 | 13.50 | 6.75 | 135.00 | 135.00 | 13.50 | 13.50 | | | | |
| 22 + 260.000 | 20.000 | 38.50 | 38.60 | 772.00 | 772.00 | 77.20 | 8.00 | 8.00 | 10.75 | 215.00 | 215.00 | 21.50 | 21.50 | | | | |
| 22 + 263.231 | 3.231 | 39.00 | 38.75 | 125.20 | 125.20 | 12.52 | 8.00 | 8.00 | 8.00 | 25.85 | 25.85 | 2.58 | 2.58 | | | | |
| 22 + 280.000 | 16.769 | 39.50 | 39.25 | 658.18 | 658.18 | 65.82 | 8.00 | 8.00 | 8.00 | 134.15 | 134.15 | 13.42 | 13.42 | | | | |
| 22 + 300.000 | 20.000 | 39.50 | 39.50 | 790.00 | 790.00 | 79.00 | 8.00 | 8.00 | 8.00 | 160.00 | 160.00 | 16.00 | 16.00 | | | | |
| 22 + 320.000 | 20.000 | 40.50 | 40.00 | 800.00 | 800.00 | 80.00 | 8.00 | 8.00 | 8.00 | 160.00 | 160.00 | 16.00 | 16.00 | | | | |
| 22 + 340.000 | 20.000 | 39.50 | 40.00 | 800.00 | 800.00 | 80.00 | 8.50 | 8.50 | 8.25 | 165.00 | 165.00 | 16.50 | 16.50 | | | | |
| 22 + 360.000 | 20.000 | 39.00 | 39.25 | 785.00 | 785.00 | 78.50 | 8.00 | 8.00 | 8.25 | 165.00 | 165.00 | 16.50 | 16.50 | | | | |
| 22 + 380.000 | 20.000 | 51.00 | 45.00 | 900.00 | 900.00 | 90.00 | 8.00 | 8.00 | 8.00 | 160.00 | 160.00 | 16.00 | 16.00 | | | | |
| 22 + 400.000 | 20.000 | 40.50 | 45.75 | 915.00 | 915.00 | 91.50 | 4.00 | 4.00 | 6.00 | 120.00 | 120.00 | 12.00 | 12.00 | | | | |
| 22 + 420.000 | 20.000 | 22.50 | 31.50 | 630.00 | 630.00 | 63.00 | 21.00 | 21.00 | 12.50 | 250.00 | 250.00 | 25.00 | 25.00 | | | | |
| 22 + 440.000 | 20.000 | 11.00 | 16.75 | 335.00 | 335.00 | 33.50 | 28.50 | 28.50 | 24.75 | 495.00 | 495.00 | 49.50 | 49.50 | | | | |
| 22 + 460.000 | 20.000 | 11.50 | 11.25 | 225.00 | 225.00 | 22.50 | 28.00 | 28.00 | 28.25 | 565.00 | 565.00 | 56.50 | 56.50 | | | | |
| 22 + 480.000 | 20.000 | 10.50 | 11.00 | 220.00 | 220.00 | 22.00 | 29.50 | 29.50 | 28.75 | 575.00 | 575.00 | 57.50 | 57.50 | | | | |
| 22 + 500.000 | 20.000 | 21.00 | 15.75 | 315.00 | 315.00 | 31.50 | 19.00 | 19.00 | 24.25 | 485.00 | 485.00 | 48.50 | 48.50 | | | | |

COMPUTATION OF VOLUMES

MAIN ROAD

| STATION | DISTANCE | REMOVAL OF TOPSOIL | | | | | | SIDE-BORROW SECTION (IN CUT AREA) | | | | | |
|--------------|----------|--------------------|----------------|---------------------------|---------------------------------------|--------------|----------------|-----------------------------------|---------------------------------------|--------------|----------------|---------------------------|---------------------------------------|
| | | IN CUT AREA | | | IN FILL AREA | | | IN CUT AREA | | | IN FILL AREA | | |
| | | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME l=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME l=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME l=10cm (m ³) |
| 22 + 520.000 | 20.000 | 18.80 | 19.90 | 398.00 | 39.80 | 21.00 | 20.00 | 400.00 | 40.00 | | | | |
| 22 + 540.000 | 20.000 | 32.00 | 25.40 | 508.00 | 50.80 | 8.00 | 14.50 | 290.00 | 29.00 | | | | |
| 22 + 560.000 | 20.000 | 33.50 | 32.75 | 655.00 | 65.50 | 8.00 | 8.00 | 160.00 | 16.00 | | | | |
| 22 + 580.000 | 20.000 | 35.00 | 34.25 | 685.00 | 68.50 | 8.00 | 8.00 | 160.00 | 16.00 | | | | |
| 22 + 600.000 | 20.000 | 36.00 | 35.50 | 710.00 | 71.00 | 8.00 | 8.00 | 160.00 | 16.00 | | | | |
| 22 + 620.000 | 20.000 | 37.00 | 36.50 | 730.00 | 73.00 | 8.00 | 8.00 | 160.00 | 16.00 | | | | |
| 22 + 640.000 | 20.000 | 37.00 | 37.00 | 740.00 | 74.00 | 8.00 | 8.00 | 160.00 | 16.00 | | | | |
| 22 + 660.000 | 20.000 | 45.50 | 41.25 | 825.00 | 82.50 | | 4.00 | 80.00 | 8.00 | | | | |
| 22 + 680.000 | 20.000 | 41.50 | 43.50 | 870.00 | 87.00 | 4.00 | 2.00 | 40.00 | 4.00 | | | | |
| 22 + 700.000 | 20.000 | 41.00 | 41.25 | 825.00 | 82.50 | 4.00 | 4.00 | 80.00 | 8.00 | | | | |
| 22 + 720.000 | 20.000 | 40.00 | 40.50 | 810.00 | 81.00 | 5.00 | 4.50 | 90.00 | 9.00 | | | | |
| 22 + 740.000 | 20.000 | 40.00 | 40.00 | 800.00 | 80.00 | 4.00 | 4.50 | 90.00 | 9.00 | | | | |
| 22 + 760.000 | 20.000 | 33.10 | 36.55 | 731.00 | 73.10 | 8.50 | 6.25 | 125.00 | 12.50 | | | | |
| 22 + 780.000 | 20.000 | 32.00 | 32.55 | 651.00 | 65.10 | 8.50 | 8.50 | 170.00 | 17.00 | | | | |
| 22 + 800.000 | 20.000 | 29.50 | 30.75 | 615.00 | 61.50 | 8.50 | 8.50 | 170.00 | 17.00 | | | | |
| 22 + 820.000 | 20.000 | 11.00 | 20.25 | 405.00 | 40.50 | 29.00 | 18.75 | 375.00 | 37.50 | | | | |
| 22 + 840.000 | 20.000 | 7.30 | 9.15 | 183.00 | 18.30 | 38.00 | 33.50 | 670.00 | 67.00 | | | | |
| 22 + 860.000 | 20.000 | 11.00 | 9.15 | 183.00 | 18.30 | 37.50 | 37.75 | 755.00 | 75.50 | | | | |
| 22 + 880.000 | 20.000 | 7.50 | 9.25 | 185.00 | 18.50 | 41.00 | 39.25 | 785.00 | 78.50 | | | | |
| 22 + 900.000 | 20.000 | 7.00 | 7.25 | 145.00 | 14.50 | 44.00 | 42.50 | 850.00 | 85.00 | | | | |
| 22 + 920.000 | 20.000 | 6.50 | 6.75 | 135.00 | 13.50 | 45.00 | 44.50 | 890.00 | 89.00 | | | | |
| 22 + 940.000 | 20.000 | 6.50 | 6.50 | 130.00 | 13.00 | 49.00 | 47.00 | 940.00 | 94.00 | | | | |
| 22 + 960.000 | 20.000 | 7.00 | 6.75 | 135.00 | 13.50 | 50.50 | 49.75 | 995.00 | 99.50 | | | | |
| 22 + 979.000 | 19.000 | 6.50 | 6.75 | 128.25 | 12.83 | 51.50 | 51.00 | 969.00 | 96.90 | | | | |
| 23 + 0.000 | 21.000 | 7.00 | 6.75 | 141.75 | 14.18 | 53.50 | 52.50 | 1,102.50 | 110.25 | | | | |
| 23 + 20.000 | 20.000 | 8.00 | 7.50 | 150.00 | 15.00 | 58.00 | 55.75 | 1,115.00 | 111.50 | | | | |
| 23 + 40.000 | 20.000 | 6.00 | 7.00 | 140.00 | 14.00 | 58.00 | 58.00 | 1,160.00 | 116.00 | | | | |
| 23 + 60.000 | 20.000 | 5.00 | 5.50 | 110.00 | 11.00 | 55.00 | 56.50 | 1,130.00 | 113.00 | | | | |
| 23 + 80.000 | 20.000 | 10.30 | 7.65 | 153.00 | 15.30 | 51.00 | 53.00 | 1,060.00 | 106.00 | | | | |
| 23 + 100.000 | 20.000 | 11.50 | 10.90 | 218.00 | 21.80 | 56.00 | 53.50 | 1,070.00 | 107.00 | | | | |

COMPUTATION OF VOLUMES

MAIN ROAD

| STATION | DISTANCE | REMOVAL OF TOPSOIL | | | | | | SIDE-BORROW SECTION (IN CUT AREA) | | | | | |
|--------------|----------|--------------------|----------------|---------------------------|---------------------------------------|--------------|----------------|-----------------------------------|---------------------------------------|--------------|----------------|---------------------------|---------------------------------------|
| | | IN CUT AREA | | | IN FILL AREA | | | WIDTH | | | VOLUME | | |
| | | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) |
| 23 + 120.000 | 20.000 | 12.00 | 11.75 | 235.00 | 23.50 | 55.00 | 55.50 | 1,110.00 | 111.00 | | | | |
| 23 + 129.105 | 9.105 | 14.00 | 13.00 | 118.36 | 11.84 | 53.50 | 54.25 | 493.95 | 49.39 | | | | |
| 23 + 140.000 | 10.895 | 12.50 | 13.25 | 144.36 | 14.44 | 54.00 | 53.75 | 585.61 | 58.56 | | | | |
| 23 + 160.000 | 20.000 | 13.50 | 13.00 | 260.00 | 26.00 | 54.00 | 54.00 | 1,080.00 | 108.00 | | | | |
| 23 + 180.000 | 20.000 | 13.80 | 13.65 | 273.00 | 27.30 | 46.00 | 50.00 | 1,000.00 | 100.00 | | | | |
| 23 + 200.000 | 20.000 | 9.50 | 11.65 | 233.00 | 23.30 | 42.40 | 44.20 | 884.00 | 88.40 | | | | |
| 23 + 220.000 | 20.000 | 10.15 | 9.83 | 196.50 | 19.65 | 44.40 | 43.40 | 868.00 | 86.80 | | | | |
| 23 + 240.000 | 20.000 | 10.05 | 10.10 | 202.00 | 20.20 | 43.80 | 44.10 | 882.00 | 88.20 | | | | |
| 23 + 260.000 | 20.000 | 8.25 | 9.15 | 183.00 | 18.30 | 40.10 | 41.95 | 839.00 | 83.90 | | | | |
| 23 + 280.000 | 20.000 | 8.00 | 8.13 | 162.50 | 16.25 | 39.00 | 39.55 | 791.00 | 79.10 | | | | |
| 23 + 300.000 | 20.000 | 6.90 | 7.45 | 149.00 | 14.90 | 39.80 | 39.40 | 788.00 | 78.80 | | | | |
| 23 + 320.000 | 20.000 | 5.85 | 6.38 | 127.50 | 12.75 | 42.20 | 41.00 | 820.00 | 82.00 | | | | |
| 23 + 340.000 | 20.000 | 5.05 | 5.45 | 109.00 | 10.90 | 43.70 | 42.95 | 859.00 | 85.90 | | | | |
| 23 + 360.000 | 20.000 | 4.50 | 4.78 | 95.50 | 9.55 | 43.20 | 43.45 | 869.00 | 86.90 | | | | |
| 23 + 380.000 | 20.000 | 3.50 | 4.00 | 80.00 | 8.00 | 42.40 | 42.80 | 856.00 | 85.60 | | | | |
| 23 + 400.000 | 20.000 | | 1.75 | 35.00 | 3.50 | 41.50 | 41.95 | 839.00 | 83.90 | | | | |
| 23 + 420.000 | 20.000 | | 0.00 | 0.00 | 0.00 | 37.50 | 39.50 | 790.00 | 79.00 | | | | |
| 23 + 440.000 | 20.000 | | 0.00 | 0.00 | 0.00 | 35.50 | 36.50 | 730.00 | 73.00 | | | | |
| 23 + 460.000 | 20.000 | 6.90 | 3.45 | 69.00 | 6.90 | 33.00 | 34.25 | 685.00 | 68.50 | | | | |
| 23 + 480.000 | 20.000 | 18.50 | 12.70 | 254.00 | 25.40 | 21.90 | 27.45 | 549.00 | 54.90 | | | | |
| 23 + 500.000 | 20.000 | 38.25 | 28.38 | 567.50 | 56.75 | 5.90 | 13.90 | 278.00 | 27.80 | | | | |
| 23 + 520.000 | 20.000 | 44.35 | 41.30 | 826.00 | 82.60 | | 2.95 | 59.00 | 5.90 | | | | |
| 23 + 540.000 | 20.000 | 46.00 | 45.18 | 903.50 | 90.35 | | 0.00 | 0.00 | 0.00 | | | | |
| 23 + 560.000 | 20.000 | 48.60 | 47.30 | 946.00 | 94.60 | | 0.00 | 0.00 | 0.00 | | | | |
| 23 + 580.000 | 20.000 | 48.80 | 48.70 | 974.00 | 97.40 | | 0.00 | 0.00 | 0.00 | | | | |
| 23 + 600.000 | 20.000 | 43.30 | 46.05 | 921.00 | 92.10 | | 0.00 | 0.00 | 0.00 | | | | |
| 23 + 620.000 | 20.000 | 40.50 | 41.90 | 838.00 | 83.80 | 6.00 | 3.00 | 60.00 | 6.00 | | | | |
| 23 + 640.000 | 20.000 | | 20.25 | 405.00 | 40.50 | 40.00 | 23.00 | 460.00 | 46.00 | | | | |
| 23 + 652.373 | 12.373 | | 0.00 | 0.00 | 0.00 | 51.00 | 45.50 | 562.97 | 56.30 | | | | |
| 23 + 660.000 | 7.627 | | 0.00 | 0.00 | 0.00 | 53.00 | 52.00 | 396.60 | 39.66 | | | | |

COMPUTATION OF VOLUMES

MAIN ROAD

| STATION | DISTANCE | REMOVAL OF TOPSOIL | | | | | | IN FILL AREA | | | | | | SIDE-BORROW SECTION (IN CUT AREA) | | | |
|--------------|----------|--------------------|----------------|---------------------------|---------------------------------------|--------------|----------------|---------------------------|---------------------------------------|--------------|----------------|---------------------------|---------------------------------------|-----------------------------------|---------|------|--------|
| | | IN CUT AREA | | | VOLUME | | | IN FILL AREA | | | VOLUME | | | WIDTH | AVERAGE | AREA | VOLUME |
| | | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) | | | | |
| 23 + 680.000 | 20.000 | | 0.00 | 0.00 | 0.00 | 55.50 | 54.25 | 1,085.00 | 108.50 | | | | | | | | |
| 23 + 700.000 | 20.000 | | 0.00 | 0.00 | 0.00 | 55.00 | 55.25 | 1,105.00 | 110.50 | | | | | | | | |
| 23 + 720.000 | 20.000 | 10.00 | 5.00 | 100.00 | 10.00 | 49.50 | 52.25 | 1,045.00 | 104.50 | | | | | | | | |
| 23 + 740.000 | 20.000 | 9.50 | 9.75 | 195.00 | 19.50 | 50.50 | 50.00 | 1,000.00 | 100.00 | | | | | | | | |
| 23 + 760.000 | 20.000 | 9.00 | 9.25 | 185.00 | 18.50 | 50.50 | 50.50 | 1,010.00 | 101.00 | | | | | | | | |
| 23 + 780.000 | 20.000 | 11.50 | 10.25 | 205.00 | 20.50 | 44.00 | 47.25 | 945.00 | 94.50 | | | | | | | | |
| 23 + 800.000 | 20.000 | 9.50 | 10.50 | 210.00 | 21.00 | 43.00 | 43.50 | 870.00 | 87.00 | | | | | | | | |
| 23 + 820.000 | 20.000 | 3.00 | 6.25 | 125.00 | 12.50 | 43.50 | 43.25 | 865.00 | 86.50 | | | | | | | | |
| 23 + 840.000 | 20.000 | 3.50 | 3.25 | 65.00 | 6.50 | 39.50 | 41.50 | 830.00 | 83.00 | | | | | | | | |
| 23 + 860.000 | 20.000 | 6.50 | 5.00 | 100.00 | 10.00 | 32.50 | 36.00 | 720.00 | 72.00 | | | | | | | | |
| 23 + 880.000 | 20.000 | | 3.25 | 65.00 | 6.50 | 35.50 | 34.00 | 680.00 | 68.00 | | | | | | | | |
| 23 + 900.000 | 20.000 | | 0.00 | 0.00 | 0.00 | 31.65 | 33.58 | 671.50 | 67.15 | | | | | | | | |
| 23 + 920.000 | 20.000 | 15.10 | 7.55 | 151.00 | 15.10 | 12.20 | 21.93 | 438.50 | 43.85 | | | | | | | | |
| 23 + 940.000 | 20.000 | 27.90 | 21.50 | 430.00 | 43.00 | | 6.10 | 122.00 | 12.20 | | | | | | | | |
| 23 + 960.000 | 20.000 | 31.70 | 29.80 | 596.00 | 59.60 | | 0.00 | 0.00 | 0.00 | | | | | | | | |
| 23 + 980.000 | 20.000 | 31.50 | 31.60 | 632.00 | 63.20 | | 0.00 | 0.00 | 0.00 | | | | | | | | |
| 24 + 0.000 | 20.000 | 32.10 | 31.80 | 636.00 | 63.60 | | 0.00 | 0.00 | 0.00 | | | | | | | | |
| 24 + 20.000 | 20.000 | 31.80 | 31.95 | 639.00 | 63.90 | | 0.00 | 0.00 | 0.00 | | | | | | | | |
| 24 + 40.000 | 20.000 | 32.00 | 31.90 | 638.00 | 63.80 | | 0.00 | 0.00 | 0.00 | | | | | | | | |
| 24 + 60.000 | 20.000 | 29.50 | 30.75 | 615.00 | 61.50 | 1.80 | 0.90 | 18.00 | 1.80 | | | | | | | | |
| 24 + 80.000 | 20.000 | 32.70 | 31.10 | 622.00 | 62.20 | | 0.90 | 18.00 | 1.80 | | | | | | | | |
| 24 + 83.917 | 3.917 | 32.60 | 32.65 | 127.89 | 12.79 | | 0.00 | 0.00 | 0.00 | | | | | | | | |
| 24 + 100.000 | 16.083 | 33.80 | 33.20 | 533.96 | 53.40 | | 0.00 | 0.00 | 0.00 | | | | | | | | |
| 24 + 120.000 | 20.000 | 34.90 | 34.35 | 687.00 | 68.70 | | 0.00 | 0.00 | 0.00 | | | | | | | | |
| 24 + 140.000 | 20.000 | 35.40 | 35.15 | 703.00 | 70.30 | | 0.00 | 0.00 | 0.00 | | | | | | | | |
| 24 + 160.000 | 20.000 | 37.10 | 36.25 | 725.00 | 72.50 | | 0.00 | 0.00 | 0.00 | | | | | | | | |
| 24 + 180.000 | 20.000 | 37.80 | 37.45 | 749.00 | 74.90 | | 0.00 | 0.00 | 0.00 | | | | | | | | |
| 24 + 200.000 | 20.000 | 37.60 | 37.70 | 754.00 | 75.40 | | 0.00 | 0.00 | 0.00 | | | | | | | | |
| 24 + 220.000 | 20.000 | 29.60 | 33.60 | 672.00 | 67.20 | | 0.00 | 0.00 | 0.00 | | | | | | | | |
| 24 + 240.000 | 20.000 | 33.80 | 31.70 | 634.00 | 63.40 | | 0.00 | 0.00 | 0.00 | | | | | | | | |

COMPUTATION OF VOLUMES
MAIN ROAD

| STATION | DISTANCE | REMOVAL OF TOPSOIL | | | | | | IN FILL AREA | | | | | | SIDE-BORROW SECTION (IN CUT AREA) | | | |
|--------------|----------|--------------------|----------------|---------------------------|---------------------------------------|--------------|----------------|---------------------------|---------------------------------------|--------------|----------------|---------------------------|---------------------------------------|-----------------------------------|---------|------|--------|
| | | IN CUT AREA | | | VOLUME | | | IN FILL AREA | | | VOLUME | | | WIDTH | AVERAGE | AREA | VOLUME |
| | | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME l=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME l=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME l=10cm (m ³) | | | | |
| 24 + 260.000 | 20.000 | 31.40 | 32.60 | 652.00 | 65.20 | | | | 0.00 | | | 0.00 | 0.00 | | | | |
| 24 + 280.000 | 20.000 | 30.60 | 31.00 | 620.00 | 62.00 | | | | 0.00 | | | 0.00 | 0.00 | | | | |
| 24 + 297.250 | 17.250 | 10.80 | 20.70 | 357.08 | 35.71 | 21.30 | 10.65 | 183.71 | 18.37 | | | | | | | | |
| 24 + 300.000 | 2.750 | 7.40 | 9.10 | 25.03 | 2.50 | 24.40 | 22.85 | 62.84 | 6.28 | | | | | | | | |
| 24 + 320.000 | 20.000 | 6.10 | 6.75 | 135.00 | 13.50 | 27.70 | 26.05 | 521.00 | 52.10 | | | | | | | | |
| 24 + 340.000 | 20.000 | 9.70 | 7.90 | 158.00 | 15.80 | 27.70 | 27.70 | 554.00 | 55.40 | | | | | | | | |
| 24 + 360.000 | 20.000 | 6.20 | 7.95 | 159.00 | 15.90 | 31.20 | 29.45 | 589.00 | 58.90 | | | | | | | | |
| 24 + 380.000 | 20.000 | 9.40 | 7.80 | 156.00 | 15.60 | 30.90 | 31.05 | 621.00 | 62.10 | | | | | | | | |
| 24 + 400.000 | 20.000 | 5.50 | 7.45 | 149.00 | 14.90 | 30.20 | 30.55 | 611.00 | 61.10 | | | | | | | | |
| 24 + 420.000 | 20.000 | 5.50 | 5.50 | 110.00 | 11.00 | 30.80 | 30.50 | 610.00 | 61.00 | | | | | | | | |
| 24 + 440.000 | 20.000 | 5.60 | 5.55 | 111.00 | 11.10 | 30.30 | 30.55 | 611.00 | 61.10 | | | | | | | | |
| 24 + 460.000 | 20.000 | 6.20 | 5.90 | 118.00 | 11.80 | 31.10 | 30.70 | 614.00 | 61.40 | | | | | | | | |
| 24 + 480.000 | 20.000 | 6.30 | 6.25 | 125.00 | 12.50 | 26.80 | 28.95 | 579.00 | 57.90 | | | | | | | | |
| 24 + 500.000 | 20.000 | 11.50 | 8.90 | 178.00 | 17.80 | 17.40 | 22.10 | 442.00 | 44.20 | | | | | | | | |
| 24 + 520.000 | 20.000 | 31.80 | 21.65 | 433.00 | 43.30 | | 8.70 | 174.00 | 17.40 | | | | | | | | |
| 24 + 540.000 | 20.000 | 35.00 | 33.40 | 668.00 | 66.80 | | 0.00 | 0.00 | 0.00 | | | | | | | | |
| 24 + 560.000 | 20.000 | 37.80 | 36.40 | 728.00 | 72.80 | | 0.00 | 0.00 | 0.00 | | | | | | | | |
| 24 + 580.000 | 20.000 | 39.70 | 38.75 | 775.00 | 77.50 | | 0.00 | 0.00 | 0.00 | | | | | | | | |
| 24 + 600.000 | 20.000 | 41.20 | 40.45 | 809.00 | 80.90 | | 0.00 | 0.00 | 0.00 | | | | | | | | |
| 24 + 620.000 | 20.000 | 43.30 | 42.25 | 845.00 | 84.50 | | 0.00 | 0.00 | 0.00 | | | | | | | | |
| 24 + 640.000 | 20.000 | 43.60 | 43.45 | 869.00 | 86.90 | | 0.00 | 0.00 | 0.00 | | | | | | | | |
| 24 + 660.000 | 20.000 | 43.60 | 43.60 | 872.00 | 87.20 | | 0.00 | 0.00 | 0.00 | | | | | | | | |
| 24 + 680.000 | 20.000 | 44.40 | 44.00 | 880.00 | 88.00 | | 0.00 | 0.00 | 0.00 | | | | | | | | |
| 24 + 700.000 | 20.000 | 42.80 | 43.60 | 872.00 | 87.20 | | 0.00 | 0.00 | 0.00 | | | | | | | | |
| 24 + 720.000 | 20.000 | 36.90 | 39.85 | 797.00 | 79.70 | | 0.00 | 0.00 | 0.00 | | | | | | | | |
| 24 + 740.000 | 20.000 | 31.40 | 34.15 | 683.00 | 68.30 | | 0.00 | 0.00 | 0.00 | | | | | | | | |
| 24 + 760.000 | 20.000 | 12.00 | 21.70 | 434.00 | 43.40 | 23.00 | 11.50 | 230.00 | 23.00 | | | | | | | | |
| 24 + 780.000 | 20.000 | 3.50 | 7.75 | 155.00 | 15.50 | 35.00 | 29.00 | 580.00 | 58.00 | | | | | | | | |
| 24 + 800.000 | 20.000 | 2.40 | 2.95 | 59.00 | 5.90 | 38.50 | 36.75 | 735.00 | 73.50 | | | | | | | | |
| 24 + 820.000 | 20.000 | 2.70 | 2.55 | 51.00 | 5.10 | 36.50 | 37.50 | 750.00 | 75.00 | | | | | | | | |

COMPUTATION OF VOLUMES

MAIN ROAD

| STATION | DISTANCE | REMOVAL OF TOPSOIL | | | | | | SIDE-BORROW SECTION (IN CUT AREA) | | | | | |
|--------------|----------|--------------------|----------------|---------------------------|---------------------------------------|--------------|----------------|-----------------------------------|---------------------------------------|--------------|----------------|---------------------------|---------------------------------------|
| | | IN CUT AREA | | | IN FILL AREA | | | IN CUT AREA | | | IN FILL AREA | | |
| | | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) |
| 24 + 840.000 | 20.000 | 2.70 | 2.70 | 54.00 | 5.40 | 36.00 | 36.25 | 725.00 | 72.50 | | | | |
| 24 + 860.000 | 20.000 | 11.00 | 6.85 | 137.00 | 13.70 | 28.80 | 32.40 | 648.00 | 64.80 | | | | |
| 24 + 880.000 | 20.000 | 2.90 | 6.95 | 139.00 | 13.90 | 35.00 | 31.90 | 638.00 | 63.80 | | | | |
| 24 + 900.000 | 20.000 | | 1.45 | 29.00 | 2.90 | 37.40 | 36.20 | 724.00 | 72.40 | | | | |
| 24 + 920.000 | 20.000 | | 0.00 | 0.00 | 0.00 | 40.00 | 38.70 | 774.00 | 77.40 | | | | |
| 24 + 940.000 | 20.000 | | 0.00 | 0.00 | 0.00 | 45.00 | 42.50 | 850.00 | 85.00 | | | | |
| 24 + 960.000 | 20.000 | 6.50 | 3.25 | 65.00 | 6.50 | 41.50 | 43.25 | 865.00 | 86.50 | | | | |
| 24 + 980.000 | 20.000 | 9.00 | 7.75 | 155.00 | 15.50 | 41.50 | 41.50 | 830.00 | 83.00 | | | | |
| 25 + 0.000 | 20.000 | | 4.50 | 90.00 | 9.00 | 46.00 | 43.75 | 875.00 | 87.50 | | | | |
| 25 + 20.000 | 20.000 | | 0.00 | 0.00 | 0.00 | 42.00 | 44.00 | 880.00 | 88.00 | | | | |
| 25 + 34.729 | 14.729 | 6.00 | 3.00 | 44.19 | 4.42 | 38.50 | 40.25 | 592.84 | 59.28 | | | | |
| 25 + 40.000 | 5.271 | 12.00 | 9.00 | 47.44 | 4.74 | 30.50 | 34.50 | 181.85 | 18.18 | | | | |
| 25 + 60.000 | 20.000 | 12.50 | 12.25 | 245.00 | 24.50 | 29.50 | 30.00 | 600.00 | 60.00 | | | | |
| 25 + 80.000 | 20.000 | 10.50 | 11.50 | 230.00 | 23.00 | 28.00 | 28.75 | 575.00 | 57.50 | | | | |
| 25 + 100.000 | 20.000 | 10.50 | 10.50 | 210.00 | 21.00 | 27.00 | 27.50 | 550.00 | 55.00 | | | | |
| 25 + 120.000 | 20.000 | | 5.25 | 105.00 | 10.50 | 42.50 | 34.75 | 695.00 | 69.50 | | | | |
| 25 + 140.000 | 20.000 | | 0.00 | 0.00 | 0.00 | 38.50 | 40.50 | 810.00 | 81.00 | | | | |
| 25 + 160.000 | 20.000 | | 0.00 | 0.00 | 0.00 | 31.00 | 34.75 | 695.00 | 69.50 | | | | |
| 25 + 180.000 | 20.000 | | 0.00 | 0.00 | 0.00 | 30.00 | 30.50 | 610.00 | 61.00 | | | | |
| 25 + 200.000 | 20.000 | 29.80 | 14.90 | 298.00 | 29.80 | 7.00 | 18.50 | 370.00 | 37.00 | | | | |
| 25 + 220.000 | 20.000 | 31.30 | 30.55 | 611.00 | 61.10 | 6.00 | 6.50 | 130.00 | 13.00 | | | | |
| 25 + 240.000 | 20.000 | 41.50 | 36.40 | 728.00 | 72.80 | | 3.00 | 60.00 | 6.00 | | | | |
| 25 + 248.062 | 8.062 | 43.80 | 42.65 | 343.84 | 34.38 | | 0.00 | 0.00 | 0.00 | | | | |
| 25 + 260.000 | 11.938 | 44.10 | 43.95 | 524.68 | 52.47 | | 0.00 | 0.00 | 0.00 | | | | |
| 25 + 280.000 | 20.000 | 44.90 | 44.50 | 890.00 | 89.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 25 + 300.000 | 20.000 | 45.50 | 45.20 | 904.00 | 90.40 | | 0.00 | 0.00 | 0.00 | | | | |
| 25 + 320.000 | 20.000 | 44.50 | 45.00 | 900.00 | 90.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 25 + 340.000 | 20.000 | 42.50 | 43.50 | 870.00 | 87.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 25 + 360.000 | 20.000 | 26.00 | 34.25 | 685.00 | 68.50 | 10.30 | 5.15 | 103.00 | 10.30 | | | | |
| 25 + 380.000 | 20.000 | 6.00 | 16.00 | 320.00 | 32.00 | 36.40 | 23.35 | 467.00 | 46.70 | | | | |

COMPUTATION OF VOLUMES

MAIN ROAD

| STATION | DISTANCE | REMOVAL OF TOPSOIL | | | | | | IN FILL AREA | | | | | | SIDE-BORROW SECTION (IN CUT AREA) | | | |
|--------------|----------|--------------------|----------------|---------------------------|---------------------------------------|--------------|----------------|--------------|----------------|---------------------------|---------------------------------------|--------------|----------------|-----------------------------------|---------------------------------------|---------------------------|---------------------------------------|
| | | IN CUT AREA | | | VOLUME | | | IN FILL AREA | | | VOLUME | | | AVERAGE | | AREA | |
| | | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) | WIDTH (m) | AVERAGE (m) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) | AREA (m ²) | VOLUME t=10cm (m ³) |
| 25 + 400.000 | 20.000 | 6.10 | 6.05 | 121.00 | 12.10 | 36.60 | 36.50 | 730.00 | 73.00 | | | | | | | | |
| 25 + 420.000 | 20.000 | 5.00 | 5.55 | 111.00 | 11.10 | 39.30 | 37.95 | 759.00 | 75.90 | | | | | | | | |
| 25 + 440.000 | 20.000 | 5.50 | 5.25 | 105.00 | 10.50 | 37.00 | 38.15 | 763.00 | 76.30 | | | | | | | | |
| 25 + 460.000 | 20.000 | 5.70 | 5.60 | 112.00 | 11.20 | 30.00 | 33.50 | 670.00 | 67.00 | | | | | | | | |
| 25 + 480.000 | 20.000 | 12.80 | 9.25 | 185.00 | 18.50 | 28.50 | 29.25 | 585.00 | 58.50 | | | | | | | | |
| 25 + 500.000 | 20.000 | 29.90 | 21.35 | 427.00 | 42.70 | | 14.25 | 285.00 | 28.50 | | | | | | | | |
| 25 + 520.000 | 20.000 | 32.50 | 31.20 | 624.00 | 62.40 | | 0.00 | 0.00 | 0.00 | | | | | | | | |
| 25 + 540.000 | 20.000 | 33.50 | 33.00 | 660.00 | 66.00 | | 0.00 | 0.00 | 0.00 | | | | | | | | |
| 25 + 560.000 | 20.000 | 35.00 | 34.25 | 685.00 | 68.50 | | 0.00 | 0.00 | 0.00 | | | | | | | | |
| 25 + 580.000 | 20.000 | 35.20 | 35.10 | 702.00 | 70.20 | | 0.00 | 0.00 | 0.00 | | | | | | | | |
| 25 + 600.000 | 20.000 | 35.00 | 35.10 | 702.00 | 70.20 | | 0.00 | 0.00 | 0.00 | | | | | | | | |
| 25 + 620.000 | 20.000 | 34.80 | 34.90 | 698.00 | 69.80 | | 0.00 | 0.00 | 0.00 | | | | | | | | |
| 25 + 640.000 | 20.000 | 35.20 | 35.00 | 700.00 | 70.00 | | 0.00 | 0.00 | 0.00 | | | | | | | | |
| 25 + 660.000 | 20.000 | 35.30 | 35.25 | 705.00 | 70.50 | | 0.00 | 0.00 | 0.00 | | | | | | | | |
| 25 + 680.000 | 20.000 | 36.00 | 35.65 | 713.00 | 71.30 | | 0.00 | 0.00 | 0.00 | | | | | | | | |
| 25 + 700.000 | 20.000 | 36.30 | 36.15 | 723.00 | 72.30 | | 0.00 | 0.00 | 0.00 | | | | | | | | |
| 25 + 720.000 | 20.000 | 37.20 | 36.75 | 735.00 | 73.50 | | 0.00 | 0.00 | 0.00 | | | | | | | | |
| 25 + 740.000 | 20.000 | 38.10 | 37.65 | 753.00 | 75.30 | | 0.00 | 0.00 | 0.00 | | | | | | | | |
| 25 + 760.000 | 20.000 | 38.90 | 38.50 | 770.00 | 77.00 | | 0.00 | 0.00 | 0.00 | | | | | | | | |
| 25 + 780.000 | 20.000 | 40.30 | 39.60 | 792.00 | 79.20 | | 0.00 | 0.00 | 0.00 | | | | | | | | |
| 25 + 800.000 | 20.000 | 40.00 | 40.15 | 803.00 | 80.30 | | 0.00 | 0.00 | 0.00 | | | | | | | | |
| 25 + 820.000 | 20.000 | 40.60 | 40.30 | 806.00 | 80.60 | | 0.00 | 0.00 | 0.00 | | | | | | | | |
| 25 + 840.000 | 20.000 | 39.80 | 40.20 | 804.00 | 80.40 | | 0.00 | 0.00 | 0.00 | | | | | | | | |
| 25 + 860.000 | 20.000 | 39.00 | 39.40 | 788.00 | 78.80 | | 0.00 | 0.00 | 0.00 | | | | | | | | |
| 25 + 880.000 | 20.000 | 37.30 | 38.15 | 763.00 | 76.30 | | 0.00 | 0.00 | 0.00 | | | | | | | | |
| 25 + 900.000 | 20.000 | 36.80 | 37.05 | 741.00 | 74.10 | | 0.00 | 0.00 | 0.00 | | | | | | | | |
| 25 + 920.000 | 20.000 | 34.90 | 35.85 | 717.00 | 71.70 | | 0.00 | 0.00 | 0.00 | | | | | | | | |
| 25 + 940.000 | 20.000 | 32.70 | 33.80 | 676.00 | 67.60 | | 0.00 | 0.00 | 0.00 | | | | | | | | |
| 25 + 960.000 | 20.000 | 30.70 | 31.70 | 634.00 | 63.40 | | 0.00 | 0.00 | 0.00 | | | | | | | | |
| 25 + 977.161 | 17.161 | 30.10 | 30.40 | 521.69 | 52.17 | | 0.00 | 0.00 | 0.00 | | | | | | | | |

COMPUTATION OF VOLUMES

MAIN ROAD

| STATION | DISTANCE | REMOVAL OF TOPSOIL | | | | | | | | | | SIDE-BORROW SECTION (IN CUT AREA) | | | | |
|--------------|----------|--------------------|----------------|---------------------------|---------------------------------------|--------------|----------------|---------------------------|---------------------------------------|--------------|----------------|-----------------------------------|---------|----------|---------------------------------------|---------------------------------------|
| | | IN CUT AREA | | | IN FILL AREA | | | | | | | WIDTH | AVERAGE | AREA | VOLUME i=10cm (m ³) | VOLUME i=10cm (m ³) |
| | | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME i=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME i=10cm (m ³) | WIDTH (m) | AVERAGE (m) | | | | | |
| 25 + 980.000 | 2.839 | 30.10 | 30.10 | 85.45 | 8.55 | | | | | | 0.00 | | | 0.00 | 0.00 | |
| 26 + 0.000 | 20.000 | 29.10 | 29.60 | 592.00 | 59.20 | | | | | | 0.00 | | | 0.00 | 0.00 | |
| 26 + 20.000 | 20.000 | 32.00 | 30.55 | 611.00 | 61.10 | | | | | | 0.00 | | | 0.00 | 0.00 | |
| 26 + 40.000 | 20.000 | 40.00 | 36.00 | 720.00 | 72.00 | | | | | | 0.00 | | | 0.00 | 0.00 | |
| 26 + 60.000 | 20.000 | 51.30 | 45.65 | 913.00 | 91.30 | | | | | | 0.00 | | | 0.00 | 0.00 | |
| 26 + 80.000 | 20.000 | 52.30 | 51.80 | 1,036.00 | 103.60 | | | | | | 0.00 | | | 0.00 | 0.00 | |
| 26 + 100.000 | 20.000 | 55.80 | 54.05 | 1,081.00 | 108.10 | | | | | | 0.00 | | | 0.00 | 0.00 | |
| 26 + 120.000 | 20.000 | 58.10 | 56.95 | 1,139.00 | 113.90 | | | | | | 0.00 | | | 0.00 | 0.00 | |
| 26 + 140.000 | 20.000 | 58.20 | 58.15 | 1,163.00 | 116.30 | | | | | | 0.00 | | | 0.00 | 0.00 | |
| 26 + 160.000 | 20.000 | 52.40 | 55.30 | 1,106.00 | 110.60 | | | | | | 0.00 | | | 0.00 | 0.00 | |
| 26 + 180.000 | 20.000 | 45.80 | 49.10 | 982.00 | 98.20 | | | | | | 0.00 | | | 0.00 | 0.00 | |
| 26 + 200.000 | 20.000 | 34.80 | 40.30 | 806.00 | 80.60 | | | | | | 0.00 | | | 0.00 | 0.00 | |
| 26 + 220.000 | 20.000 | 30.80 | 32.80 | 656.00 | 65.60 | 30.30 | 15.15 | 303.00 | 30.30 | 30.30 | 15.15 | 303.00 | 30.30 | 303.00 | 30.30 | |
| 26 + 240.000 | 20.000 | | 15.40 | 308.00 | 30.80 | 53.50 | 41.90 | 838.00 | 83.80 | 53.50 | 41.90 | 838.00 | 83.80 | 838.00 | 83.80 | |
| 26 + 260.000 | 20.000 | | 0.00 | 0.00 | 0.00 | 77.80 | 65.65 | 1,313.00 | 131.30 | 77.80 | 65.65 | 1,313.00 | 131.30 | 1,313.00 | 131.30 | |
| 26 + 280.000 | 20.000 | | 0.00 | 0.00 | 0.00 | 96.80 | 87.30 | 1,746.00 | 174.60 | 96.80 | 87.30 | 1,746.00 | 174.60 | 1,746.00 | 174.60 | |
| 26 + 300.000 | 20.000 | | 0.00 | 0.00 | 0.00 | 108.60 | 102.70 | 2,054.00 | 205.40 | 108.60 | 102.70 | 2,054.00 | 205.40 | 2,054.00 | 205.40 | |
| 26 + 320.000 | 20.000 | | 0.00 | 0.00 | 0.00 | 110.90 | 109.75 | 2,195.00 | 219.50 | 110.90 | 109.75 | 2,195.00 | 219.50 | 2,195.00 | 219.50 | |
| 26 + 340.000 | 20.000 | | 0.00 | 0.00 | 0.00 | 108.20 | 109.55 | 2,191.00 | 219.10 | 108.20 | 109.55 | 2,191.00 | 219.10 | 2,191.00 | 219.10 | |
| 26 + 360.000 | 20.000 | | 0.00 | 0.00 | 0.00 | 108.40 | 108.30 | 2,166.00 | 216.60 | 108.40 | 108.30 | 2,166.00 | 216.60 | 2,166.00 | 216.60 | |
| 26 + 380.000 | 20.000 | | 0.00 | 0.00 | 0.00 | 104.60 | 106.50 | 2,130.00 | 213.00 | 104.60 | 106.50 | 2,130.00 | 213.00 | 2,130.00 | 213.00 | |
| 26 + 400.000 | 20.000 | 3.00 | 1.50 | 30.00 | 3.00 | 94.80 | 99.70 | 1,994.00 | 199.40 | 94.80 | 99.70 | 1,994.00 | 199.40 | 1,994.00 | 199.40 | |
| 26 + 420.000 | 20.000 | 3.00 | 3.00 | 60.00 | 6.00 | 82.10 | 88.45 | 1,769.00 | 176.90 | 82.10 | 88.45 | 1,769.00 | 176.90 | 1,769.00 | 176.90 | |
| 26 + 440.000 | 20.000 | 3.00 | 3.00 | 60.00 | 6.00 | 69.30 | 75.70 | 1,514.00 | 151.40 | 69.30 | 75.70 | 1,514.00 | 151.40 | 1,514.00 | 151.40 | |
| 26 + 460.000 | 20.000 | 8.70 | 5.85 | 117.00 | 11.70 | 52.90 | 61.10 | 1,222.00 | 122.20 | 52.90 | 61.10 | 1,222.00 | 122.20 | 1,222.00 | 122.20 | |
| 26 + 480.000 | 20.000 | 2.90 | 5.80 | 116.00 | 11.60 | 41.00 | 46.95 | 939.00 | 93.90 | 41.00 | 46.95 | 939.00 | 93.90 | 939.00 | 93.90 | |
| 26 + 500.000 | 20.000 | 9.00 | 5.95 | 119.00 | 11.90 | 35.80 | 38.40 | 768.00 | 76.80 | 35.80 | 38.40 | 768.00 | 76.80 | 768.00 | 76.80 | |
| 26 + 520.000 | 20.000 | 7.80 | 8.40 | 168.00 | 16.80 | 30.80 | 33.30 | 666.00 | 66.60 | 30.80 | 33.30 | 666.00 | 66.60 | 666.00 | 66.60 | |
| 26 + 540.000 | 20.000 | 8.90 | 8.35 | 167.00 | 16.70 | 24.80 | 27.80 | 556.00 | 55.60 | 24.80 | 27.80 | 556.00 | 55.60 | 556.00 | 55.60 | |
| 26 + 560.000 | 20.000 | 34.30 | 21.60 | 432.00 | 43.20 | | 12.40 | 248.00 | 24.80 | | 12.40 | 248.00 | 24.80 | 248.00 | 24.80 | |

COMPUTATION OF VOLUMES

MAIN ROAD

| STATION | DISTANCE | REMOVAL OF TOPSOIL | | | | | | SIDE-BORROW SECTION (IN CUT AREA) | | | | | |
|--------------|----------|--------------------|----------------|---------------------------|---------------------------------------|--------------|----------------|-----------------------------------|---------------------------------------|--------------|----------------|---------------------------|---------------------------------------|
| | | IN CUT AREA | | | IN FILL AREA | | | WIDTH | | | AVERAGE | | |
| | | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME l=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME l=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME l=10cm (m ³) |
| 26 + 580.000 | 20.000 | 36.00 | 35.15 | 703.00 | 70.30 | | | 0.00 | 0.00 | | | | |
| 26 + 600.000 | 20.000 | 38.50 | 37.25 | 745.00 | 74.50 | | | 0.00 | 0.00 | | | | |
| 26 + 620.000 | 20.000 | 47.00 | 42.75 | 855.00 | 85.50 | | | 0.00 | 0.00 | | | | |
| 26 + 640.000 | 20.000 | 48.20 | 47.60 | 952.00 | 95.20 | | | 0.00 | 0.00 | | | | |
| 26 + 660.000 | 20.000 | 45.30 | 46.75 | 935.00 | 93.50 | | | 0.00 | 0.00 | | | | |
| 26 + 680.000 | 20.000 | 42.20 | 43.75 | 875.00 | 87.50 | | | 0.00 | 0.00 | | | | |
| 26 + 700.000 | 20.000 | 41.50 | 41.85 | 837.00 | 83.70 | | | 0.00 | 0.00 | | | | |
| 26 + 720.000 | 20.000 | 40.50 | 41.00 | 820.00 | 82.00 | | | 0.00 | 0.00 | | | | |
| 26 + 740.000 | 20.000 | 39.50 | 40.00 | 800.00 | 80.00 | | | 0.00 | 0.00 | | | | |
| 26 + 760.000 | 20.000 | 38.00 | 38.75 | 775.00 | 77.50 | | | 0.00 | 0.00 | | | | |
| 26 + 780.000 | 20.000 | 31.50 | 34.75 | 695.00 | 69.50 | 5.50 | 2.75 | 55.00 | 5.50 | | | | |
| 26 + 800.000 | 20.000 | 28.50 | 30.00 | 600.00 | 60.00 | 6.50 | 6.00 | 120.00 | 12.00 | | | | |
| 26 + 820.000 | 20.000 | 26.50 | 27.50 | 550.00 | 55.00 | 8.00 | 7.25 | 145.00 | 14.50 | | | | |
| 26 + 840.000 | 20.000 | 25.00 | 25.75 | 515.00 | 51.50 | 9.00 | 8.50 | 170.00 | 17.00 | | | | |
| 26 + 860.000 | 20.000 | 25.00 | 25.00 | 500.00 | 50.00 | 10.50 | 9.75 | 195.00 | 19.50 | | | | |
| 26 + 880.000 | 20.000 | 22.00 | 23.50 | 470.00 | 47.00 | 12.00 | 11.25 | 225.00 | 22.50 | | | | |
| 26 + 900.000 | 20.000 | 35.50 | 28.75 | 575.00 | 57.50 | | 6.00 | 120.00 | 12.00 | | | | |
| 26 + 920.000 | 20.000 | 29.50 | 32.50 | 650.00 | 65.00 | 6.00 | 3.00 | 60.00 | 6.00 | | | | |
| 26 + 940.000 | 20.000 | 35.00 | 32.25 | 645.00 | 64.50 | | 3.00 | 60.00 | 6.00 | | | | |
| 26 + 945.157 | 5.157 | 35.00 | 35.00 | 180.50 | 18.05 | | 0.00 | 0.00 | 0.00 | | | | |
| 26 + 960.000 | 14.843 | 35.50 | 35.25 | 523.22 | 52.32 | | 0.00 | 0.00 | 0.00 | | | | |
| 26 + 980.000 | 20.000 | 40.00 | 37.75 | 755.00 | 75.50 | | 0.00 | 0.00 | 0.00 | | | | |
| 27 + 0.000 | 20.000 | 42.50 | 41.25 | 825.00 | 82.50 | | 0.00 | 0.00 | 0.00 | | | | |
| 27 + 20.000 | 20.000 | 37.00 | 39.75 | 795.00 | 79.50 | | 0.00 | 0.00 | 0.00 | | | | |
| 27 + 40.000 | 20.000 | 35.50 | 36.25 | 725.00 | 72.50 | | 0.00 | 0.00 | 0.00 | | | | |
| 27 + 60.000 | 20.000 | 35.50 | 35.50 | 710.00 | 71.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 27 + 80.000 | 20.000 | 40.00 | 37.75 | 755.00 | 75.50 | | 0.00 | 0.00 | 0.00 | | | | |
| 27 + 100.000 | 20.000 | 40.00 | 40.00 | 800.00 | 80.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 27 + 120.000 | 20.000 | 34.50 | 37.25 | 745.00 | 74.50 | | 0.00 | 0.00 | 0.00 | | | | |
| 27 + 140.000 | 20.000 | 32.50 | 33.50 | 670.00 | 67.00 | | 0.00 | 0.00 | 0.00 | | | | |

COMPUTATION OF VOLUMES

MAIN ROAD

| STATION | DISTANCE | REMOVAL OF TOPSOIL | | | | | | SIDE-BORROW SECTION (IN CUT AREA) | | | | | |
|--------------|----------|--------------------|----------------|---------------------------|---------------------------------------|--------------|----------------|-----------------------------------|---------------------------------------|--------------|----------------|---------------------------|---------------------------------------|
| | | IN CUT AREA | | | IN FILL AREA | | | IN CUT AREA | | | IN FILL AREA | | |
| | | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) |
| 27 + 160.000 | 20.000 | 31.50 | 32.00 | 640.00 | 64.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 27 + 180.000 | 20.000 | 35.50 | 33.50 | 670.00 | 67.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 27 + 200.000 | 20.000 | 34.50 | 35.00 | 700.00 | 70.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 27 + 220.000 | 20.000 | 33.50 | 34.00 | 680.00 | 68.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 27 + 240.000 | 20.000 | 35.50 | 34.50 | 690.00 | 69.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 27 + 260.000 | 20.000 | 32.30 | 33.90 | 678.00 | 67.80 | | 0.00 | 0.00 | 0.00 | | | | |
| 27 + 280.000 | 20.000 | 32.50 | 32.40 | 648.00 | 64.80 | | 0.00 | 0.00 | 0.00 | | | | |
| 27 + 300.000 | 20.000 | 33.00 | 32.75 | 655.00 | 65.50 | | 0.00 | 0.00 | 0.00 | | | | |
| 27 + 320.000 | 20.000 | 30.00 | 31.50 | 630.00 | 63.00 | 3.50 | 1.75 | 35.00 | 3.50 | | | | |
| 27 + 340.000 | 20.000 | 28.00 | 29.00 | 580.00 | 58.00 | 5.00 | 4.25 | 85.00 | 8.50 | | | | |
| 27 + 360.000 | 20.000 | 24.50 | 26.25 | 525.00 | 52.50 | 9.00 | 7.00 | 140.00 | 14.00 | | | | |
| 27 + 380.000 | 20.000 | 26.50 | 25.50 | 510.00 | 51.00 | 9.00 | 9.00 | 180.00 | 18.00 | | | | |
| 27 + 400.000 | 20.000 | 25.50 | 26.00 | 520.00 | 52.00 | 9.00 | 9.00 | 180.00 | 18.00 | | | | |
| 27 + 420.000 | 20.000 | 25.00 | 25.25 | 505.00 | 50.50 | 10.00 | 9.50 | 190.00 | 19.00 | | | | |
| 27 + 440.000 | 20.000 | 25.50 | 25.25 | 505.00 | 50.50 | 8.00 | 9.00 | 180.00 | 18.00 | | | | |
| 27 + 460.000 | 20.000 | 27.50 | 26.50 | 530.00 | 53.00 | 7.00 | 7.50 | 150.00 | 15.00 | | | | |
| 27 + 480.000 | 20.000 | 28.50 | 28.00 | 560.00 | 56.00 | 7.00 | 7.00 | 140.00 | 14.00 | | | | |
| 27 + 500.000 | 20.000 | 28.50 | 28.50 | 570.00 | 57.00 | 9.00 | 8.00 | 160.00 | 16.00 | | | | |
| 27 + 520.000 | 20.000 | 34.50 | 31.50 | 630.00 | 63.00 | 4.50 | 6.75 | 135.00 | 13.50 | | | | |
| 27 + 540.000 | 20.000 | 35.00 | 34.75 | 695.00 | 69.50 | 4.50 | 4.50 | 90.00 | 9.00 | | | | |
| 27 + 560.000 | 20.000 | 32.00 | 33.50 | 670.00 | 67.00 | 7.00 | 5.75 | 115.00 | 11.50 | | | | |
| 27 + 580.000 | 20.000 | 26.50 | 29.25 | 585.00 | 58.50 | 13.00 | 10.00 | 200.00 | 20.00 | | | | |
| 27 + 600.000 | 20.000 | 28.50 | 27.50 | 550.00 | 55.00 | 10.00 | 11.50 | 230.00 | 23.00 | | | | |
| 27 + 620.000 | 20.000 | 21.50 | 25.00 | 500.00 | 50.00 | 15.50 | 12.75 | 255.00 | 25.50 | | | | |
| 27 + 640.000 | 20.000 | 21.50 | 21.50 | 430.00 | 43.00 | 16.00 | 15.75 | 315.00 | 31.50 | | | | |
| 27 + 660.000 | 20.000 | 21.00 | 21.25 | 425.00 | 42.50 | 15.50 | 15.75 | 315.00 | 31.50 | | | | |
| 27 + 680.000 | 9.800 | 20.50 | 20.75 | 203.35 | 20.33 | 16.50 | 16.00 | 156.80 | 15.68 | | | | |
| 27 + 700.000 | 10.200 | 21.50 | 21.00 | 214.20 | 21.42 | 15.50 | 16.00 | 163.20 | 16.32 | | | | |
| 27 + 720.000 | 20.000 | 19.50 | 20.50 | 410.00 | 41.00 | 17.00 | 16.25 | 325.00 | 32.50 | | | | |
| 27 + 740.000 | 20.000 | 19.50 | 19.50 | 390.00 | 39.00 | 17.00 | 17.00 | 340.00 | 34.00 | | | | |

COMPUTATION OF VOLUMES

MAIN ROAD

| STATION | DISTANCE | REMOVAL OF TOPSOIL | | | | | | SIDE-BORROW SECTION (IN CUT AREA) | | | | | |
|--------------|----------|--------------------|----------------|---------------------------|---------------------------------------|--------------|----------------|-----------------------------------|---------------------------------------|--------------|----------------|---------------------------|---------------------------------------|
| | | IN CUT AREA | | | IN FILL AREA | | | IN CUT AREA | | | IN FILL AREA | | |
| | | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME I=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME I=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME I=10cm (m ³) |
| 27 + 740.000 | 20.000 | 16.00 | 17.75 | 355.00 | 35.50 | 15.00 | 16.00 | 320.00 | 32.00 | | | | |
| 27 + 760.000 | 20.000 | 19.00 | 17.50 | 350.00 | 35.00 | 14.50 | 14.75 | 295.00 | 29.50 | | | | |
| 27 + 780.000 | 20.000 | 19.50 | 19.25 | 385.00 | 38.50 | 11.50 | 13.00 | 260.00 | 26.00 | | | | |
| 27 + 800.000 | 20.000 | 24.00 | 21.75 | 435.00 | 43.50 | 5.50 | 8.50 | 170.00 | 17.00 | | | | |
| 27 + 820.000 | 20.000 | 32.00 | 28.00 | 560.00 | 56.00 | | 2.75 | 55.00 | 5.50 | | | | |
| 27 + 829.800 | 9.800 | 33.00 | 32.50 | 318.50 | 31.85 | | 0.00 | 0.00 | 0.00 | | | | |
| 27 + 840.000 | 10.200 | 34.00 | 33.50 | 341.70 | 34.17 | | 0.00 | 0.00 | 0.00 | | | | |
| 27 + 860.000 | 20.000 | 37.00 | 35.50 | 710.00 | 71.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 27 + 880.000 | 20.000 | 45.50 | 41.25 | 825.00 | 82.50 | | 0.00 | 0.00 | 0.00 | | | | |
| 27 + 900.000 | 20.000 | 43.50 | 44.50 | 890.00 | 89.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 27 + 920.000 | 20.000 | 42.00 | 42.75 | 855.00 | 85.50 | | 0.00 | 0.00 | 0.00 | | | | |
| 27 + 940.000 | 20.000 | 42.00 | 42.00 | 840.00 | 84.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 27 + 960.000 | 20.000 | 41.50 | 41.75 | 835.00 | 83.50 | | 0.00 | 0.00 | 0.00 | | | | |
| 27 + 980.000 | 20.000 | 38.50 | 40.00 | 800.00 | 80.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 28 + 0.000 | 20.000 | 36.00 | 37.25 | 745.00 | 74.50 | | 0.00 | 0.00 | 0.00 | | | | |
| 28 + 20.000 | 20.000 | 35.50 | 35.75 | 715.00 | 71.50 | | 0.00 | 0.00 | 0.00 | | | | |
| 28 + 40.000 | 20.000 | 32.50 | 34.00 | 680.00 | 68.00 | | 0.00 | 0.00 | 0.00 | | | | |
| 28 + 60.000 | 20.000 | 20.50 | 26.50 | 530.00 | 53.00 | 13.00 | 6.50 | 130.00 | 13.00 | | | | |
| 28 + 80.000 | 20.000 | 18.30 | 19.40 | 388.00 | 38.80 | 16.70 | 14.85 | 297.00 | 29.70 | | | | |
| 28 + 100.000 | 20.000 | 22.50 | 20.40 | 408.00 | 40.80 | 12.00 | 14.35 | 287.00 | 28.70 | | | | |
| 28 + 120.000 | 20.000 | 15.50 | 19.00 | 380.00 | 38.00 | 18.50 | 15.25 | 305.00 | 30.50 | | | | |
| 28 + 120.000 | 0.000 | 15.50 | 15.50 | 0.00 | 0.00 | 36.60 | 27.55 | 0.00 | 0.00 | | | | |
| 28 + 140.000 | 20.000 | 19.20 | 17.35 | 347.00 | 34.70 | 36.60 | 36.60 | 732.00 | 73.20 | | | | |
| 28 + 160.000 | 20.000 | 19.10 | 19.15 | 383.00 | 38.30 | 36.50 | 36.55 | 731.00 | 73.10 | | | | |
| 28 + 180.000 | 20.000 | 18.50 | 18.80 | 376.00 | 37.60 | 38.30 | 37.40 | 748.00 | 74.80 | | | | |
| 28 + 200.000 | 20.000 | 18.50 | 18.50 | 370.00 | 37.00 | 38.20 | 38.25 | 765.00 | 76.50 | | | | |
| 28 + 220.000 | 20.000 | 2.20 | 10.35 | 207.00 | 20.70 | 25.60 | 31.90 | 638.00 | 63.80 | | | | |
| 28 + 240.000 | 20.000 | 16.05 | 9.13 | 182.50 | 18.25 | 22.90 | 24.25 | 485.00 | 48.50 | | | | |
| 28 + 244.064 | 4.064 | 16.05 | 16.05 | 65.23 | 6.52 | 22.90 | 22.90 | 93.07 | 9.31 | | | | |
| 28 + 244.064 | 0.000 | 15.00 | 15.53 | 0.00 | 0.00 | 8.00 | 15.45 | 0.00 | 0.00 | | | | |

COMPUTATION OF VOLUMES

MAIN ROAD

| STATION | DISTANCE | REMOVAL OF TOPSOIL | | | | | | | | | | | |
|--------------|-----------|--------------------|----------------|---------------------------|---------------------------------------|--------------|----------------|---------------------------|---------------------------------------|-----------------------------------|----------------|---------------------------|---------------------------------------|
| | | IN CUT AREA | | | | IN FILL AREA | | | | SIDE-BORROW SECTION (IN CUT AREA) | | | |
| | | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) | WIDTH (m) | AVERAGE (m) | AREA (m ²) | VOLUME t=10cm (m ³) |
| 28 + 760.000 | 15.936 | 15.00 | 239.04 | 23.90 | 8.00 | 8.00 | 127.49 | 12.75 | | | | | |
| 28 + 280.000 | 20.000 | 14.00 | 14.50 | 290.00 | 29.00 | 8.50 | 8.25 | 165.00 | 16.50 | | | | |
| 28 + 289.489 | 9.489 | 13.00 | 13.50 | 128.10 | 12.81 | 9.00 | 8.75 | 83.03 | 8.30 | | | | |
| 28 + 300.000 | 10.511 | 10.00 | 11.50 | 120.88 | 12.09 | 12.00 | 10.50 | 110.37 | 11.04 | | | | |
| 28 + 320.000 | 20.000 | | 5.00 | 100.00 | 10.00 | 24.00 | 18.00 | 360.00 | 36.00 | | | | |
| 28 + 333.000 | 13.000 | | 0.00 | 0.00 | 0.00 | 24.00 | 24.00 | 312.00 | 31.20 | | | | |
| 28 + 333.000 | 0.000 | | 0.00 | 0.00 | 0.00 | 19.50 | 21.75 | 0.00 | 0.00 | | | | |
| 28 + 340.000 | 7.000 | | 0.00 | 0.00 | 0.00 | 19.50 | 19.50 | 136.50 | 13.65 | | | | |
| 28 + 360.000 | 20.000 | 3.00 | 1.50 | 30.00 | 3.00 | 19.80 | 19.65 | 393.00 | 39.30 | | | | |
| 28 + 380.000 | 20.000 | 21.50 | 12.25 | 245.00 | 24.50 | | 9.90 | 198.00 | 19.80 | | | | |
| 28 + 400.000 | 20.000 | 44.00 | 32.75 | 655.00 | 65.50 | | 0.00 | 0.00 | 0.00 | | | | |
| 28 + 416.085 | 16.085 | 15.00 | 29.50 | 474.51 | 47.45 | | 0.00 | 0.00 | 0.00 | | | | |
| Total | 28600.960 | | | 545,749.54 | 54,574.95 | | | 358,030.64 | 35,803.06 | | | 6,975.18 | 697.52 |

UHURU MONUMENT JUNCTION A Slip Road

1.2. 55

UHURU MONUMENT JUNCTION B Slip Road

1.2. 56