

EARTHWORK SCHEDULE

| STATION TO STATION | | LENGTH | EARTH EXCAVATION (CU YD) | | | | EXCAVATION TO BE USED IN EMBANKMENT (ADJ. FOR SHRINKAGE 15%) (CU YD) | | | | EMBANKMENT (CU YD) | | | | EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD) | | | | REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS (TOPSOIL EXCAVATION) (CU YD) | | | | TOPSOIL FURNISH AND PLACE, 4" (CU YD) | | | | |
|--------------------|-----------|--------|--------------------------|---------|----------|-----------|--|---------|----------|-----------|--------------------|---------|----------|-----------|---|---------|----------|-----------|---|---------|----------|-----------|---------------------------------------|---------|----------|-----------|--|
| | | | STAGE IA | STAGE I | STAGE II | STAGE III | STAGE IA | STAGE I | STAGE II | STAGE III | STAGE IA | STAGE I | STAGE II | STAGE III | STAGE IA** | STAGE I | STAGE II | STAGE III | STAGE IA | STAGE I | STAGE II | STAGE III | STAGE IA | STAGE I | STAGE II | STAGE III | |
| 111+00.00 | 111+25.00 | 25.0 | 6.30 | 1.67 | 2.50 | 0.00 | 5.35 | 1.42 | 2.13 | 0.00 | 0.00 | 68.56 | 9.07 | 7.92 | 5.35 | -67.15 | -6.95 | -7.92 | 0.00 | 81.48 | 11.34 | 0.00 | 0 | 9.95 | 1.20 | 0.00 | |
| 111+25.00 | 111+50.00 | 25.0 | 3.24 | 1.02 | 0.00 | 0.00 | 2.75 | 0.87 | 0.00 | 0.00 | 0.00 | 42.87 | 0.00 | 0.00 | 2.75 | -42.00 | 0.00 | 0.00 | 0.00 | 55.32 | 0.00 | 0.00 | 0 | 6.06 | 0.00 | 0.00 | |
| 111+50.00 | 112+00.00 | 50.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 38.52 | 0.00 | 0.00 | 0.00 | -38.52 | 0.00 | 0.00 | 0.00 | 59.72 | 0.00 | 0.00 | 0 | 4.63 | 0.00 | 0.00 | |
| 112+00.00 | 112+50.00 | 50.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39.63 | 0.00 | 0.00 | 0.00 | -39.63 | 0.00 | 0.00 | 0.00 | 58.33 | 0.00 | 0.00 | 0 | 4.44 | 0.00 | 0.00 | |
| 112+50.00 | 113+00.00 | 50.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 43.24 | 0.00 | 0.00 | 0.00 | -43.24 | 0.00 | 0.00 | 0.00 | 58.70 | 0.00 | 0.00 | 0 | 4.54 | 0.00 | 0.00 | |
| 113+00.00 | 113+50.00 | 50.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39.91 | 0.00 | 0.00 | 0.00 | -39.91 | 0.00 | 0.00 | 0.00 | 56.02 | 0.00 | 0.00 | 0 | 3.98 | 0.00 | 0.00 | |
| 113+50.00 | 114+00.00 | 50.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 38.06 | 0.00 | 0.00 | 0.00 | -38.06 | 0.00 | 0.00 | 0.00 | 53.98 | 0.00 | 0.00 | 0 | 3.61 | 0.00 | 0.00 | |
| 114+00.00 | 114+50.00 | 50.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 37.13 | 0.00 | 0.00 | 0.00 | -37.13 | 0.00 | 0.00 | 0.00 | 53.98 | 0.00 | 0.00 | 0 | 3.61 | 0.00 | 0.00 | |
| 114+50.00 | 115+00.00 | 50.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 43.43 | 0.00 | 0.00 | 0.00 | -43.43 | 0.00 | 0.00 | 0.00 | 61.39 | 0.00 | 0.00 | 0 | 5.00 | 0.00 | 0.00 | |
| 115+00.00 | 115+50.00 | 50.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 44.91 | 0.00 | 0.00 | 0.00 | -44.91 | 0.00 | 0.00 | 0.00 | 63.33 | 0.00 | 0.00 | 0 | 5.37 | 0.00 | 0.00 | |
| 115+50.00 | 116+00.00 | 50.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.76 | 0.00 | 0.00 | 0.00 | -36.76 | 0.00 | 0.00 | 0.00 | 55.93 | 0.00 | 0.00 | 0 | 3.98 | 0.00 | 0.00 | |
| 116+00.00 | 116+50.00 | 50.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.39 | 0.00 | 0.00 | 0.00 | -36.39 | 0.00 | 0.00 | 0.00 | 55.56 | 0.00 | 0.00 | 0 | 3.98 | 0.00 | 0.00 | |
| 116+50.00 | 117+00.00 | 50.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 37.96 | 0.00 | 0.00 | 0.00 | -37.96 | 0.00 | 0.00 | 0.00 | 55.93 | 0.00 | 0.00 | 0 | 4.07 | 0.00 | 0.00 | |
| 117+00.00 | 117+50.00 | 50.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 34.17 | 0.00 | 0.00 | 0.00 | -34.17 | 0.00 | 0.00 | 0.00 | 49.17 | 0.00 | 0.00 | 0 | 2.78 | 0.00 | 0.00 | |
| 117+50.00 | 118+00.00 | 50.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 40.74 | 0.00 | 0.00 | 0.00 | -40.74 | 0.00 | 0.00 | 0.00 | 49.54 | 0.00 | 0.00 | 0 | 2.78 | 0.00 | 0.00 | |
| 118+00.00 | 118+50.00 | 50.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39.54 | 0.00 | 0.00 | 0.00 | -39.54 | 0.00 | 0.00 | 0.00 | 48.61 | 0.00 | 0.00 | 0 | 2.59 | 0.00 | 0.00 | |
| SUBTOTAL: | | | 4320 | 42355 | 38310 | 6360 | 3670 | 36000 | 32565 | 5405 | 6925 | 36005 | 28615 | 4335 | -3250 | -5 | 3925 | 1070 | 4885 | 24070 | 17295 | 0 | 0 | 3930 | 3400 | 0 | |
| NEEDHAM ROAD | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4+50.00 | 4+55.00 | 5.0 | 0.22 | 0.00 | 0.00 | | 0.19 | 0.00 | 0.00 | 0.00 | 0.97 | 0.00 | 0.00 | | -0.78 | 0.00 | 0.00 | 0.00 | 3.37 | 0.00 | 0.00 | | 0 | 0.04 | 0.00 | 0.00 | |
| 4+55.00 | 4+82.69 | 27.7 | 9.23 | 0.51 | 0.15 | | 7.85 | 0.44 | 0.13 | 0.00 | 2.72 | 50.87 | 9.74 | | 5.13 | -50.43 | -9.61 | 0.00 | 9.38 | 55.38 | 0.00 | | 0 | 0.21 | 0.00 | 0.00 | |
| 4+82.69 | 4+84.74 | 2.1 | 0.64 | 0.07 | 0.02 | | 0.54 | 0.06 | 0.02 | 0.00 | 0.00 | 3.18 | 0.41 | | 0.54 | -3.12 | -0.39 | 0.00 | 0.00 | 4.10 | 0.00 | | 0 | 0.01 | 0.00 | 0.00 | |
| 4+84.74 | 5+00.00 | 15.3 | 2.09 | 0.37 | 0.42 | | 1.78 | 0.31 | 0.36 | 0.00 | 0.51 | 27.92 | 5.93 | | 1.27 | -27.61 | -5.57 | 0.00 | 7.57 | 22.99 | 0.00 | | 0 | 0.17 | 0.57 | 0.00 | |
| 5+00.00 | 5+50.00 | 50.0 | 8.61 | 2.69 | 4.63 | | 7.32 | 2.28 | 3.94 | 0.00 | 9.72 | 131.76 | 17.96 | | -2.40 | -129.48 | -14.03 | 0.00 | 44.07 | 119.78 | 0.00 | | 0 | 3.24 | 3.98 | 0.00 | |
| 5+50.00 | 6+00.00 | 50.0 | 4.63 | 5.56 | 10.83 | | 3.94 | 4.72 | 9.21 | 0.00 | 15.74 | 80.74 | 6.57 | | -11.81 | -76.02 | 2.63 | 0.00 | 33.70 | 88.24 | 1.76 | | 0 | 6.39 | 5.19 | 0.00 | |
| 6+00.00 | 6+50.00 | 50.0 | 2.87 | 10.83 | 12.22 | | 2.44 | 9.21 | 10.39 | 0.00 | 7.69 | 73.06 | 6.20 | | -5.25 | -63.85 | 4.19 | 0.00 | 14.44 | 86.39 | 1.76 | | 0 | 7.22 | 3.06 | 0.00 | |
| 6+50.00 | 6+54.61 | 4.6 | 0.00 | 1.52 | 0.94 | | 0.00 | 1.29 | 0.80 | 0.00 | 0.00 | 6.27 | 0.57 | | 0.00 | -4.97 | 0.23 | 0.00 | 0.00 | 7.84 | 0.00 | | 0 | 0.71 | 0.00 | 0.00 | |
| 6+54.61 | 7+00.00 | 45.4 | 3.36 | 30.09 | 15.05 | | 2.86 | 25.58 | 12.79 | 0.00 | 2.86 | 32.11 | 6.56 | | 0.00 | -6.53 | 6.23 | 0.00 | 6.14 | 38.50 | 12.52 | | 0 | 7.48 | 4.54 | 0.00 | |
| 7+00.00 | 7+50.00 | 50.0 | 6.48 | 34.44 | 27.22 | | 5.51 | 29.28 | 23.14 | 0.00 | 9.07 | 25.28 | 6.39 | | -3.56 | 4.00 | 16.75 | 0.00 | 14.17 | 28.43 | 29.63 | | 0 | 8.43 | 10.65 | 0.00 | |
| 7+50.00 | 8+00.00 | 50.0 | 6.02 | 22.50 | 44.17 | | 5.12 | 19.13 | 37.54 | 0.00 | 10.46 | 47.87 | 2.78 | | -5.35 | -28.75 | 34.76 | 0.00 | 14.44 | 55.74 | 33.15 | | 0 | 10.19 | 11.76 | 0.00 | |
| 8+00.00 | 8+33.59 | 33.6 | 4.42 | 47.77 | 44.60 | | 3.75 | 40.61 | 37.91 | 0.00 | 4.98 | 16.30 | 0.75 | | -1.22 | 24.31 | 37.16 | 0.00 | 9.08 | 18.35 | 24.45 | | 0 | 4.11 | 8.27 | 0.00 | |
| 8+33.59 | 8+50.00 | 16.4 | 2.16 | 40.75 | 27.20 | | 1.83 | 34.64 | 23.12 | 0.00 | 1.70 | 0.00 | 0.36 | | 0.13 | 34.64 | 22.75 | 0.00 | 4.16 | 0.00 | 13.13 | | 0 | 0.00 | 4.07 | 0.00 | |
| 8+50.00 | 9+00.00 | 50.0 | 5.93 | 93.98 | 98.33 | | 5.04 | 79.88 | 83.58 | 0.00 | 4.81 | 0.93 | 1.20 | | 0.22 | 78.96 | 82.38 | 0.00 | 12.59 | 14.54 | 53.43 | | 0 | 1.57 | 12.78 | 0.00 | |
| 11+00.00 | 11+50.00 | 50.0 | 4.07 | 77.96 | 79.44 | | 3.46 | 66.27 | 67.53 | 0.00 | 10.83 | 11.11 | 1.30 | | -7.37 | 55.16 | 66.23 | 0.00 | 32.22 | 69.07 | 37.87 | | 0 | 13.61 | 11.85 | 0.00 | |
| 11+50.00 | 12+00.00 | 50.0 | 3.98 | 76.02 | 75.93 | | 3.38 | 64.62 | 64.54 | 0.00 | 13.98 | 2.50 | 1.30 | | -10.60 | 62.12 | 63.24 | 0.00 | 33.06 | 53.89 | 33.61 | | 0 | 11.11 | 10.37 | 0.00 | |
| 12+00.00 | 12+50.00 | 50.0 | 20.37 | 60.83 | 70.37 | | 17.31 | 51.71 | 59.81 | 0.00 | 12.69 | 3.15 | 1.20 | | 4.63 | 48.56 | 58.61 | 0.00 | 33.43 | 49.07 | 34.17 | | 0 | 10.19 | 10.46 | 0.00 | |
| 12+50.00 | 13+00.00 | 50.0 | 29.81 | 24.17 | 41.94 | | 25.34 | 20.54 | 35.65 | 0.00 | 8.06 | 23.15 | 15.09 | | 17.29 | -2.61 | 20.56 | 0.00 | 45.28 | 42.69 | 18.98 | | 0 | 8.70 | 9.72 | 0.00 | |
| 13+00.00 | 13+50.00 | 50.0 | 54.17 | 3.98 | 10.65 | | 46.04 | 3.38 | 9.05 | 0.00 | 3.06 | 29.26 | 37.50 | | 42.99 | -25.88 | -28.45 | 0.00 | 28.61 | 36.85 | 1.20 | | 0 | 6.76 | 6.85 | 0.00 | |
| 13+50.00 | 13+67.10 | 17.1 | 19.60 | 1.77 | 7.57 | | 16.66 | 1.51 | 6.43 | 0.00 | 0.00 | 5.41 | 7.88 | | 16.66 | -3.91 | -1.45 | 0.00 | 0.00 | 11.97 | 0.00 | | 0 | 1.93 | 0.89 | 0.00 | |
| 13+67.10 | 14+00.00 | 32.9 | 18.28 | 3.17 | 13.65 | | 15.54 | 2.69 | 11.60 | 0.00 | 2.25 | 9.57 | 13.89 | | 13.28 | -6.87 | -2.29 | 0.00 | 19.74 | 21.57 | 0.00 | | 0 | 3.35 | 0.97 | 0.00 | |
| 14+00.00 | 14+50.00 | 50.0 | 16.02 | 2.13 | 3.06 | | 13.62 | 1.81 | 2.60 | 0.00 | 13.70 | 16.85 | 31.48 | | -0.09 | -15.04 | -28.88 | 0.00 | 55.46 | 28.43 | 0.00 | | 0 | 4.07 | 3.43 | 0.00 | |
| 14+50.00 | 15+00.00 | 50.0 | 4.54 | 0.37 | 4.07 | | 3.86 | 0.31 | 3.46 | 0.00 | 39.72 | 22.78 | 20.65 | | -35.87 | -22.46 | -17.19 | 0.00 | 44.72 | 25.19 | 0.00 | | 0 | 3.24 | 4.26 | 0.00 | |
| 15+00.00 | 15+27.70 | 27.7 | 2.00 | 0.10 | 1.08 | | 1.70 | 0.09 | 0.92 | 0.00 | 45.76 | 35.55 | 5.64 | | -44.06 | -35.46 | -4.73 | 0.00 | 24.72 | 10.82 | 0.00 | | 0 | 2.36 | 1.28 | 0.00 | |
| 15+27.70 | 15+50.00 | 22.3 | 1.69 | | | | 1.44 | | | | 43.65 | | | | -42.21 | 0.00 | 0.00 | 0.00 | 20.52 | | | | 0 | | | | |
| SUBTOTAL: | | | 230 | 540 | 595 | 0 | 195 | 460 | 505 | 0 | 265 | 655 | 200 | 0 | -70 | -195 | 305 | 0 | 510 | 890 | 295 | 0 | 0 | 115 | 125 | 0 | |
| MITCHELL DRIVE | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27+47.00 | 28+00.00 | 53.0 | | | 169.40 | | | | 143.99 | | | | 21.00 | | | | 122.99 | | | | 28.95 | | | | | 9.62 | |
| 28+00.00 | 28+50.00 | 50.0 | | | 197.41 | | | | 167.80 | | | | 15.37 | | | | 152.43 | | | | 26.48 | | | | | 9.17 | |
| 28+50.00 | 29+00.00 | 50.0 | | | 248.98 | | | | 211.63 | | | | 8.80 | | | | 202.84 | | | | 32.13 | | | | | 8.89 | |
| 29+00.00 | 29+50.00 | 50.0 | | | 308.80 | | | | 262.48 | | | | 8.89 | | | | 253.59 | | | | 19.54 | | | | | 8.61 | |
| TURNER AVENUE | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 58+75.00 | 59+00.00 | 25.0 | | | 71.48 | | | | 60.76 | | | | 4.86 | | | | 55.90 | | | | 17.04 | | | | | 5.00 | |
| 59+00.00 | 59+50.00 | 50.0 | | | 185.37 | | | | 157.56 | | | | 7.22 | | | | 150.34 | | | | 25.09 | | | | | 15.09 | |
| SUBTOTAL: | | | | | 1181.44 | 0.00 | | | 0.00 | 1004.22 | 0.00 | | 0.00 | 66.14 | 0. | | | | | | | | | | | | |