

Muck Disposal Paln for Double Laning of Hukanjuri to- Khonsa Road Section of NH-315A in the State of Arunachal Pradesh, Length=31.825 Km

| VALLEY SIDE            |        |                  |        |                                     |                                     |                   |       |           |           |            |                            |               |               |
|------------------------|--------|------------------|--------|-------------------------------------|-------------------------------------|-------------------|-------|-----------|-----------|------------|----------------------------|---------------|---------------|
| Proposed Chainage (KM) |        |                  |        | Category of land                    | Name of Owners                      | Area Within ROW ) |       |           |           | Av. Height | Quantity to be accomodated | Latitude      | Longitude     |
| Sl no.                 | From   | Middle point Ch. | To     |                                     |                                     | L (m)             | B (m) | Area(Sqm) | Area(Ha.) |            |                            |               |               |
| 1                      | 2      | 3                | 4      | 5                                   | 6                                   | 7                 | 8     | 9         | 10        | 11         | 12                         | 13            |               |
| 1                      |        | 0.00             |        |                                     |                                     |                   |       |           |           |            |                            | 27° 7'34.33"N | 95°26'15.75"E |
| 2                      | 1.200  | 1.40             | 1.600  | Dumping Ground / Muck Disposal site | Forest Land From 0.00Km to 11.973KM | 400               | 20    | 8000.00   | 0.800     | 6.20       | 49600.00                   | 27° 7'24.40"N | 95°25'29.72"E |
| 3                      | 1.715  | 1.87             | 2.015  | Dumping Ground / Muck Disposal site | - Do -                              | 300               | 20    | 6000.00   | 0.600     | 10.00      | 60000.00                   | 27° 7'18.86"N | 95°25'15.91"E |
| 4                      | 3.175  | 3.34             | 3.500  | Dumping Ground / Muck Disposal site | - Do -                              | 325               | 20    | 6500.00   | 0.650     | 12.00      | 78000.00                   | 27° 6'49.05"N | 95°24'45.25"E |
| 5                      | 5.000  | 5.15             | 5.300  | Dumping Ground / Muck Disposal site | - Do -                              | 300               | 20    | 6000.00   | 0.600     | 14.00      | 84000.00                   | 27° 6'15.81"N | 95°25'0.51"E  |
| 6                      | 7.000  | 7.14             | 7.275  | Dumping Ground / Muck Disposal site | - Do -                              | 275               | 20    | 5500.00   | 0.550     | 16.00      | 88000.00                   | 27° 5'45.98"N | 95°25'50.24"E |
| 7                      | 7.550  | 7.69             | 7.825  | Dumping Ground / Muck Disposal site | - Do -                              | 275               | 20    | 5500.00   | 0.550     | 18.00      | 99000.00                   | 27° 5'41.11"N | 95°26'5.13"E  |
| 8                      | 9.300  | 9.39             | 9.475  | Dumping Ground / Muck Disposal site | - Do -                              | 175               | 20    | 3500.00   | 0.350     | 18.00      | 63000.00                   | 27° 5'16.83"N | 95°26'26.09"E |
| 9                      | 10.300 | 10.37            | 10.435 | Dumping Ground / Muck Disposal site | - Do -                              | 135               | 20    | 2700.00   | 0.270     | 18.00      | 48600.00                   | 27° 5'1.16"N  | 95°26'27.02"E |
| 10                     | 10.625 | 10.70            | 10.775 | Dumping Ground / Muck Disposal site | - Do -                              | 150               | 20    | 3000.00   | 0.300     | 17.00      | 51000.00                   | 27° 4'52.66"N | 95°26'33.80"E |
| 11                     |        | 11.973           |        | End of forest Land                  |                                     |                   |       |           |           |            |                            | 27° 4'34.62"N | 95°26'54.86"E |
| 12                     |        | 31.825           |        | Khonsa End                          |                                     |                   |       |           |           |            |                            | 26°59'16.16"N | 95°30'25.91"E |

Sd/-

Assistant Engineer  
Khonsa Highways Sub-Div, PWD  
Khonsa

Sd/-

Executive Engineer  
Khonsa Highways Divn. PWD, AP  
Khonsa

From:Finished Road  
To:Original Ground

Earth work Quantity 0.00 to 11.975km  
( Forest area )

| Chainage | Distance | CutArea | FillArea | CutVolume | FillVolume | Cum CutVolume | Cum FillVolume |
|----------|----------|---------|----------|-----------|------------|---------------|----------------|
| 0        | 0        | 0.837   | 0.026    | 0         | 0          | 0             | 0              |
| 25       | 25       | 0       | 6.816    | 10.463    | 85.525     | 10.463        | 85.525         |
| 50       | 25       | 1.808   | 0        | 22.6      | 85.2       | 33.063        | 170.725        |
| 75       | 25       | 13.654  | 0        | 193.275   | 0          | 226.338       | 170.725        |
| 100      | 25       | 18.62   | 0        | 403.425   | 0          | 629.763       | 170.725        |
| 125      | 25       | 18.704  | 0        | 466.55    | 0          | 1096.313      | 170.725        |
| 150      | 25       | 14.422  | 0        | 414.075   | 0          | 1510.388      | 170.725        |
| 175      | 25       | 1.227   | 0.026    | 195.613   | 0.325      | 1706          | 171.05         |
| 200      | 25       | 0       | 15.883   | 15.338    | 198.863    | 1721.338      | 369.913        |
| 225      | 25       | 1.525   | 0        | 19.063    | 198.538    | 1740.4        | 568.45         |
| 250      | 25       | 15.421  | 0        | 211.825   | 0          | 1952.225      | 568.45         |
| 275      | 25       | 15.856  | 0        | 390.963   | 0          | 2343.188      | 568.45         |
| 300      | 25       | 9.076   | 0        | 311.65    | 0          | 2654.838      | 568.45         |
| 325      | 25       | 0       | 9.254    | 113.45    | 115.675    | 2768.288      | 684.125        |
| 350      | 25       | 0       | 28.133   | 0         | 467.338    | 2768.288      | 1151.463       |
| 375      | 25       | 0       | 18.282   | 0         | 580.188    | 2768.288      | 1731.65        |
| 400      | 25       | 9.451   | 0        | 118.138   | 228.525    | 2886.425      | 1960.175       |
| 425      | 25       | 4.305   | 0        | 171.95    | 0          | 3058.375      | 1960.175       |
| 450      | 25       | 0       | 4.667    | 53.813    | 58.338     | 3112.188      | 2018.513       |
| 475      | 25       | 0       | 17.138   | 0         | 272.563    | 3112.188      | 2291.075       |
| 500      | 25       | 0       | 34.758   | 0         | 648.7      | 3112.188      | 2939.775       |
| 525      | 25       | 0       | 51.658   | 0         | 1080.2     | 3112.188      | 4019.975       |
| 550      | 25       | 0       | 23.342   | 0         | 937.5      | 3112.188      | 4957.475       |
| 575      | 25       | 2.481   | 0        | 31.013    | 291.775    | 3143.2        | 5249.25        |
| 600      | 25       | 2.85    | 0        | 66.638    | 0          | 3209.838      | 5249.25        |
| 625      | 25       | 2.685   | 0        | 69.188    | 0          | 3279.025      | 5249.25        |
| 650      | 25       | 4.544   | 0        | 90.363    | 0          | 3369.388      | 5249.25        |
| 675      | 25       | 5.996   | 0        | 131.75    | 0          | 3501.138      | 5249.25        |
| 700      | 25       | 0.884   | 0.228    | 86        | 2.85       | 3587.138      | 5252.1         |
| 725      | 25       | 0       | 5.976    | 11.05     | 77.55      | 3598.188      | 5329.65        |
| 750      | 25       | 0.263   | 0.959    | 3.288     | 86.688     | 3601.475      | 5416.338       |
| 775      | 25       | 0.15    | 4.726    | 5.163     | 71.063     | 3606.638      | 5487.4         |
| 800      | 25       | 0       | 26.095   | 1.875     | 385.263    | 3608.513      | 5872.663       |
| 825      | 25       | 0       | 49.475   | 0         | 944.625    | 3608.513      | 6817.288       |
| 850      | 25       | 0       | 27.666   | 0         | 964.263    | 3608.513      | 7781.55        |
| 875      | 25       | 0.094   | 3.213    | 1.175     | 385.988    | 3609.688      | 8167.538       |
| 900      | 25       | 7.587   | 0        | 96.013    | 40.163     | 3705.7        | 8207.7         |
| 925      | 25       | 8.113   | 0        | 196.25    | 0          | 3901.95       | 8207.7         |
| 950      | 25       | 1.571   | 0.81     | 121.05    | 10.125     | 4023          | 8217.825       |
| 975      | 25       | 16.068  | 0        | 220.488   | 10.125     | 4243.488      | 8227.95        |
| 1000     | 25       | 20.053  | 0        | 451.513   | 0          | 4695          | 8227.95        |
| 1025     | 25       | 18.91   | 0        | 487.038   | 0          | 5182.038      | 8227.95        |
| 1050     | 25       | 13.573  | 0        | 406.038   | 0          | 5588.075      | 8227.95        |
| 1075     | 25       | 29.82   | 0        | 542.413   | 0          | 6130.488      | 8227.95        |
| 1100     | 25       | 44.609  | 0        | 930.363   | 0          | 7060.85       | 8227.95        |
| 1125     | 25       | 38.682  | 0        | 1041.138  | 0          | 8101.988      | 8227.95        |
| 1150     | 25       | 32.162  | 0        | 885.55    | 0          | 8987.538      | 8227.95        |
| 1175     | 25       | 21.96   | 0        | 676.525   | 0          | 9664.063      | 8227.95        |



| Chainage | Distance | CutArea | FillArea | CutVolume | FillVolume | Cum CutVolume | Cum FillVolume |
|----------|----------|---------|----------|-----------|------------|---------------|----------------|
| 1200     | 25       | 24.993  | 0        | 586.913   | 0          | 10250.975     | 8227.95        |
| 1225     | 25       | 35.016  | 0        | 750.113   | 0          | 11001.088     | 8227.95        |
| 1250     | 25       | 39.361  | 0        | 929.713   | 0          | 11930.8       | 8227.95        |
| 1275     | 25       | 37.029  | 0        | 954.875   | 0          | 12885.675     | 8227.95        |
| 1300     | 25       | 22.571  | 0        | 745       | 0          | 13630.675     | 8227.95        |
| 1325     | 25       | 1.498   | 2.185    | 300.863   | 27.313     | 13931.538     | 8255.263       |
| 1350     | 25       | 0       | 15.389   | 18.725    | 219.675    | 13950.263     | 8474.938       |
| 1375     | 25       | 0       | 25.515   | 0         | 511.3      | 13950.263     | 8986.238       |
| 1400     | 25       | 0       | 41.76    | 0         | 840.938    | 13950.263     | 9827.175       |
| 1425     | 25       | 0       | 52.006   | 0         | 1172.075   | 13950.263     | 10999.25       |
| 1450     | 25       | 0       | 56.36    | 0         | 1354.575   | 13950.263     | 12353.825      |
| 1475     | 25       | 0       | 61.5     | 0         | 1473.25    | 13950.263     | 13827.075      |
| 1500     | 25       | 0       | 63.402   | 0         | 1561.275   | 13950.263     | 15388.35       |
| 1525     | 25       | 0       | 49.014   | 0         | 1405.2     | 13950.263     | 16793.55       |
| 1550     | 25       | 0       | 33.514   | 0         | 1031.6     | 13950.263     | 17825.15       |
| 1575     | 25       | 0       | 14.148   | 0         | 595.775    | 13950.263     | 18420.925      |
| 1600     | 25       | 0       | 19.076   | 0         | 415.3      | 13950.263     | 18836.225      |
| 1625     | 25       | 0       | 43.944   | 0         | 787.75     | 13950.263     | 19623.975      |
| 1650     | 25       | 0       | 85.325   | 0         | 1615.863   | 13950.263     | 21239.838      |
| 1675     | 25       | 0       | 100.122  | 0         | 2318.088   | 13950.263     | 23557.925      |
| 1700     | 25       | 0       | 71.143   | 0         | 2140.813   | 13950.263     | 25698.738      |
| 1725     | 25       | 0       | 41.705   | 0         | 1410.6     | 13950.263     | 27109.338      |
| 1750     | 25       | 0       | 15.426   | 0         | 714.138    | 13950.263     | 27823.475      |
| 1775     | 25       | 0       | 9.156    | 0         | 307.275    | 13950.263     | 28130.75       |
| 1800     | 25       | 0       | 10.925   | 0         | 251.013    | 13950.263     | 28381.763      |
| 1825     | 25       | 0       | 5.831    | 0         | 209.45     | 13950.263     | 28591.213      |
| 1850     | 25       | 0       | 7.313    | 0         | 164.3      | 13950.263     | 28755.513      |
| 1875     | 25       | 0       | 4.313    | 0         | 145.325    | 13950.263     | 28900.838      |
| 1900     | 25       | 0.867   | 2.952    | 10.838    | 90.813     | 13961.1       | 28991.65       |
| 1925     | 25       | 0       | 19.335   | 10.838    | 278.588    | 13971.938     | 29270.238      |
| 1950     | 25       | 0       | 39.797   | 0         | 739.15     | 13971.938     | 30009.388      |
| 1975     | 25       | 0       | 39.952   | 0         | 996.863    | 13971.938     | 31006.25       |
| 2000     | 25       | 0       | 16.195   | 0         | 701.838    | 13971.938     | 31708.088      |
| 2025     | 25       | 0.21    | 2.295    | 2.625     | 231.125    | 13974.563     | 31939.213      |
| 2050     | 25       | 8.867   | 0        | 113.463   | 28.688     | 14088.025     | 31967.9        |
| 2075     | 25       | 7.944   | 0        | 210.138   | 0          | 14298.163     | 31967.9        |
| 2100     | 25       | 8.258   | 0        | 202.525   | 0          | 14500.688     | 31967.9        |
| 2125     | 25       | 8.407   | 0        | 208.313   | 0          | 14709         | 31967.9        |
| 2150     | 25       | 10.05   | 0        | 230.713   | 0          | 14939.713     | 31967.9        |
| 2175     | 25       | 11.775  | 0        | 272.813   | 0          | 15212.525     | 31967.9        |
| 2200     | 25       | 13.849  | 0        | 320.3     | 0          | 15532.825     | 31967.9        |
| 2225     | 25       | 15.962  | 0        | 372.638   | 0          | 15905.463     | 31967.9        |
| 2250     | 25       | 19.922  | 0        | 448.55    | 0          | 16354.013     | 31967.9        |
| 2275     | 25       | 18.434  | 0        | 479.45    | 0          | 16833.463     | 31967.9        |
| 2300     | 25       | 15.453  | 0        | 423.588   | 0          | 17257.05      | 31967.9        |
| 2325     | 25       | 16.831  | 0        | 403.55    | 0          | 17660.6       | 31967.9        |
| 2350     | 25       | 21.375  | 0        | 477.575   | 0          | 18138.175     | 31967.9        |
| 2375     | 25       | 20.199  | 0        | 519.675   | 0          | 18657.85      | 31967.9        |
| 2400     | 25       | 28.236  | 0        | 605.438   | 0          | 19263.288     | 31967.9        |
| 2425     | 25       | 30.024  | 0        | 728.25    | 0          | 19991.538     | 31967.9        |
| 2450     | 25       | 28.736  | 0        | 734.5     | 0          | 20726.038     | 31967.9        |

| Chainage | Distance | CutArea | FillArea | CutVolume | FillVolume | Cum CutVolume | Cum FillVolume |
|----------|----------|---------|----------|-----------|------------|---------------|----------------|
| 2475     | 25       | 21.52   | 0        | 628.2     | 0          | 21354.238     | 31967.9        |
| 2500     | 25       | 10.155  | 0        | 395.938   | 0          | 21750.175     | 31967.9        |
| 2525     | 25       | 26.022  | 0        | 452.213   | 0          | 22202.388     | 31967.9        |
| 2550     | 25       | 29.996  | 0        | 700.225   | 0          | 22902.613     | 31967.9        |
| 2575     | 25       | 25.185  | 0        | 689.763   | 0          | 23592.375     | 31967.9        |
| 2600     | 25       | 28.77   | 0        | 674.438   | 0          | 24266.813     | 31967.9        |
| 2625     | 25       | 35.212  | 0        | 799.775   | 0          | 25066.588     | 31967.9        |
| 2650     | 25       | 45.533  | 0        | 1009.313  | 0          | 26075.9       | 31967.9        |
| 2675     | 25       | 63.44   | 0        | 1362.163  | 0          | 27438.063     | 31967.9        |
| 2700     | 25       | 75.297  | 0        | 1734.213  | 0          | 29172.275     | 31967.9        |
| 2725     | 25       | 66.992  | 0        | 1778.613  | 0          | 30950.888     | 31967.9        |
| 2750     | 25       | 62.221  | 0        | 1615.163  | 0          | 32566.05      | 31967.9        |
| 2775     | 25       | 48.824  | 0        | 1388.063  | 0          | 33954.113     | 31967.9        |
| 2800     | 25       | 38.64   | 0        | 1093.3    | 0          | 35047.413     | 31967.9        |
| 2825     | 25       | 16.313  | 0        | 686.913   | 0          | 35734.325     | 31967.9        |
| 2850     | 25       | 2.367   | 2.39     | 233.5     | 29.875     | 35967.825     | 31997.775      |
| 2875     | 25       | 0       | 8.667    | 29.588    | 138.213    | 35997.413     | 32135.988      |
| 2900     | 25       | 0       | 20.117   | 0         | 359.8      | 35997.413     | 32495.788      |
| 2925     | 25       | 1.332   | 3.503    | 16.65     | 295.25     | 36014.063     | 32791.038      |
| 2950     | 25       | 19.929  | 0        | 265.763   | 43.788     | 36279.825     | 32834.825      |
| 2975     | 25       | 68.063  | 0        | 1099.9    | 0          | 37379.725     | 32834.825      |
| 3000     | 25       | 138.622 | 0        | 2583.563  | 0          | 39963.288     | 32834.825      |
| 3025     | 25       | 238.689 | 0        | 4716.388  | 0          | 44679.675     | 32834.825      |
| 3050     | 25       | 264.714 | 0        | 6292.538  | 0          | 50972.213     | 32834.825      |
| 3075     | 25       | 254.463 | 0        | 6489.713  | 0          | 57461.925     | 32834.825      |
| 3100     | 25       | 259.387 | 0        | 6423.125  | 0          | 63885.05      | 32834.825      |
| 3125     | 25       | 242.695 | 0        | 6276.025  | 0          | 70161.075     | 32834.825      |
| 3150     | 25       | 195.533 | 0        | 5477.85   | 0          | 75638.925     | 32834.825      |
| 3175     | 25       | 133.683 | 0        | 4115.2    | 0          | 79754.125     | 32834.825      |
| 3200     | 25       | 137.647 | 0        | 3391.625  | 0          | 83145.75      | 32834.825      |
| 3225     | 25       | 95.581  | 0        | 2915.35   | 0          | 86061.1       | 32834.825      |
| 3250     | 25       | 86.333  | 0        | 2273.925  | 0          | 88335.025     | 32834.825      |
| 3275     | 25       | 67.878  | 0        | 1927.638  | 0          | 90262.663     | 32834.825      |
| 3300     | 25       | 53.939  | 0        | 1522.713  | 0          | 91785.375     | 32834.825      |
| 3325     | 25       | 51.806  | 0        | 1321.813  | 0          | 93107.188     | 32834.825      |
| 3350     | 25       | 45.448  | 0        | 1215.675  | 0          | 94322.863     | 32834.825      |
| 3375     | 25       | 46.109  | 0        | 1144.463  | 0          | 95467.325     | 32834.825      |
| 3400     | 25       | 49.816  | 0        | 1199.063  | 0          | 96666.388     | 32834.825      |
| 3425     | 25       | 55.172  | 0        | 1312.35   | 0          | 97978.738     | 32834.825      |
| 3450     | 25       | 41.648  | 0        | 1210.25   | 0          | 99188.988     | 32834.825      |
| 3475     | 25       | 28.321  | 0        | 874.613   | 0          | 100063.6      | 32834.825      |
| 3500     | 25       | 22.93   | 0        | 640.638   | 0          | 100704.238    | 32834.825      |
| 3525     | 25       | 10.983  | 0        | 423.913   | 0          | 101128.15     | 32834.825      |
| 3550     | 25       | 0.308   | 0.56     | 141.138   | 7          | 101269.288    | 32841.825      |
| 3575     | 25       | 0       | 9.399    | 3.85      | 124.488    | 101273.138    | 32966.313      |
| 3600     | 25       | 0       | 17.596   | 0         | 337.438    | 101273.138    | 33303.75       |
| 3625     | 25       | 0       | 28.598   | 0         | 577.425    | 101273.138    | 33881.175      |
| 3650     | 25       | 0       | 17.708   | 0         | 578.825    | 101273.138    | 34460          |
| 3675     | 25       | 3.695   | 0        | 46.188    | 221.35     | 101319.325    | 34681.35       |
| 3700     | 25       | 18.849  | 0        | 281.8     | 0          | 101601.125    | 34681.35       |
| 3725     | 25       | 33.627  | 0        | 655.95    | 0          | 102257.075    | 34681.35       |



| Chainage | Distance | CutArea | FillArea | CutVolume | FillVolume | Cum CutVolume | Cum FillVolume |
|----------|----------|---------|----------|-----------|------------|---------------|----------------|
| 3750     | 25       | 53.951  | 0        | 1094.725  | 0          | 103351.8      | 34681.35       |
| 3775     | 25       | 70.621  | 0        | 1557.15   | 0          | 104908.95     | 34681.35       |
| 3800     | 25       | 85.05   | 0        | 1945.888  | 0          | 106854.838    | 34681.35       |
| 3825     | 25       | 100.716 | 0        | 2322.075  | 0          | 109176.913    | 34681.35       |
| 3850     | 25       | 115.644 | 0        | 2704.5    | 0          | 111881.413    | 34681.35       |
| 3875     | 25       | 174.079 | 0        | 3621.538  | 0          | 115502.95     | 34681.35       |
| 3900     | 25       | 165.504 | 0        | 4244.788  | 0          | 119747.738    | 34681.35       |
| 3925     | 25       | 152.952 | 0        | 3980.7    | 0          | 123728.438    | 34681.35       |
| 3950     | 25       | 146.004 | 0        | 3736.95   | 0          | 127465.388    | 34681.35       |
| 3975     | 25       | 107.369 | 0        | 3167.163  | 0          | 130632.55     | 34681.35       |
| 4000     | 25       | 135.591 | 0        | 3037      | 0          | 133669.55     | 34681.35       |
| 4025     | 25       | 198.491 | 0        | 4176.025  | 0          | 137845.575    | 34681.35       |
| 4050     | 25       | 157.352 | 0        | 4448.038  | 0          | 142293.613    | 34681.35       |
| 4075     | 25       | 69.299  | 0        | 2833.138  | 0          | 145126.75     | 34681.35       |
| 4100     | 25       | 55.063  | 0        | 1554.525  | 0          | 146681.275    | 34681.35       |
| 4125     | 25       | 127.848 | 0        | 2286.388  | 0          | 148967.663    | 34681.35       |
| 4150     | 25       | 168.623 | 0        | 3705.888  | 0          | 152673.55     | 34681.35       |
| 4175     | 25       | 158.737 | 0        | 4092      | 0          | 156765.55     | 34681.35       |
| 4200     | 25       | 71.808  | 0        | 2881.813  | 0          | 159647.363    | 34681.35       |
| 4225     | 25       | 60.315  | 0        | 1651.538  | 0          | 161298.9      | 34681.35       |
| 4250     | 25       | 62.109  | 0        | 1530.3    | 0          | 162829.2      | 34681.35       |
| 4275     | 25       | 16.045  | 0        | 976.925   | 0          | 163806.125    | 34681.35       |
| 4300     | 25       | 0.749   | 5.844    | 209.925   | 73.05      | 164016.05     | 34754.4        |
| 4325     | 25       | 2.861   | 10.121   | 45.125    | 199.563    | 164061.175    | 34953.963      |
| 4350     | 25       | 8.823   | 0        | 146.05    | 126.513    | 164207.225    | 35080.475      |
| 4375     | 25       | 0.582   | 6.033    | 117.563   | 75.413     | 164324.788    | 35155.888      |
| 4400     | 25       | 8.322   | 5.644    | 111.3     | 145.963    | 164436.088    | 35301.85       |
| 4425     | 25       | 123.059 | 0        | 1642.263  | 70.55      | 166078.35     | 35372.4        |
| 4450     | 25       | 47.835  | 0        | 2136.175  | 0          | 168214.525    | 35372.4        |
| 4475     | 25       | 49.971  | 0        | 1222.575  | 0          | 169437.1      | 35372.4        |
| 4500     | 25       | 11.401  | 0        | 767.15    | 0          | 170204.25     | 35372.4        |
| 4525     | 25       | 3.618   | 8.674    | 187.738   | 108.425    | 170391.988    | 35480.825      |
| 4550     | 25       | 7.406   | 0.573    | 137.8     | 115.588    | 170529.788    | 35596.413      |
| 4575     | 25       | 15.643  | 0.042    | 288.113   | 7.688      | 170817.9      | 35604.1        |
| 4600     | 25       | 15.615  | 0        | 390.725   | 0.525      | 171208.625    | 35604.625      |
| 4625     | 25       | 24.917  | 0        | 506.65    | 0          | 171715.275    | 35604.625      |
| 4650     | 25       | 27.732  | 0        | 658.113   | 0          | 172373.388    | 35604.625      |
| 4675     | 25       | 52.417  | 0        | 1001.863  | 0          | 173375.25     | 35604.625      |
| 4700     | 25       | 36.059  | 0        | 1105.95   | 0          | 174481.2      | 35604.625      |
| 4725     | 25       | 29.13   | 0.397    | 814.863   | 4.963      | 175296.063    | 35609.588      |
| 4750     | 25       | 27.579  | 2.122    | 708.863   | 31.488     | 176004.925    | 35641.075      |
| 4775     | 25       | 44.345  | 0        | 899.05    | 26.525     | 176903.975    | 35667.6        |
| 4800     | 25       | 125.814 | 0        | 2126.988  | 0          | 179030.963    | 35667.6        |
| 4825     | 25       | 124.612 | 0        | 3130.325  | 0          | 182161.288    | 35667.6        |
| 4850     | 25       | 69.256  | 0        | 2423.35   | 0          | 184584.638    | 35667.6        |
| 4875     | 25       | 22.241  | 0        | 1143.713  | 0          | 185728.35     | 35667.6        |
| 4900     | 25       | 12.363  | 1.818    | 432.55    | 22.725     | 186160.9      | 35690.325      |
| 4925     | 25       | 0.071   | 10.245   | 155.425   | 150.788    | 186316.325    | 35841.113      |
| 4950     | 25       | 0       | 19.342   | 0.888     | 369.838    | 186317.213    | 36210.95       |
| 4975     | 25       | 0       | 25.908   | 0         | 565.625    | 186317.213    | 36776.575      |
| 5000     | 25       | 0       | 29.086   | 0         | 687.425    | 186317.213    | 37464          |

| Chainage | Distance | CutArea | FillArea | CutVolume | FillVolume | Cum CutVolume | Cum FillVolume |
|----------|----------|---------|----------|-----------|------------|---------------|----------------|
| 5025     | 25       | 0.142   | 7.235    | 1.775     | 454.013    | 186318.988    | 37918.013      |
| 5050     | 25       | 7.387   | 0.157    | 94.113    | 92.4       | 186413.1      | 38010.413      |
| 5075     | 25       | 17.515  | 0        | 311.275   | 1.963      | 186724.375    | 38012.375      |
| 5100     | 25       | 15.492  | 0        | 412.588   | 0          | 187136.963    | 38012.375      |
| 5125     | 25       | 10.031  | 0        | 319.038   | 0          | 187456        | 38012.375      |
| 5150     | 25       | 14.158  | 0        | 302.363   | 0          | 187758.363    | 38012.375      |
| 5175     | 25       | 13.301  | 0        | 343.238   | 0          | 188101.6      | 38012.375      |
| 5200     | 25       | 19.232  | 0        | 406.663   | 0          | 188508.263    | 38012.375      |
| 5225     | 25       | 24.524  | 0        | 546.95    | 0          | 189055.213    | 38012.375      |
| 5250     | 25       | 25.733  | 0        | 628.213   | 0          | 189683.425    | 38012.375      |
| 5275     | 25       | 30.33   | 0        | 700.788   | 0          | 190384.213    | 38012.375      |
| 5300     | 25       | 39.97   | 0        | 878.75    | 0          | 191262.963    | 38012.375      |
| 5325     | 25       | 61.404  | 0        | 1267.175  | 0          | 192530.138    | 38012.375      |
| 5350     | 25       | 60.224  | 0        | 1520.35   | 0          | 194050.488    | 38012.375      |
| 5375     | 25       | 91.692  | 0        | 1898.95   | 0          | 195949.438    | 38012.375      |
| 5400     | 25       | 95.361  | 0        | 2338.163  | 0          | 198287.6      | 38012.375      |
| 5425     | 25       | 89.222  | 0        | 2307.288  | 0          | 200594.888    | 38012.375      |
| 5450     | 25       | 93.445  | 0        | 2283.338  | 0          | 202878.225    | 38012.375      |
| 5475     | 25       | 100.678 | 0        | 2426.538  | 0          | 205304.763    | 38012.375      |
| 5500     | 25       | 98.684  | 0        | 2492.025  | 0          | 207796.788    | 38012.375      |
| 5525     | 25       | 109.765 | 0        | 2605.613  | 0          | 210402.4      | 38012.375      |
| 5550     | 25       | 122.119 | 0        | 2898.55   | 0          | 213300.95     | 38012.375      |
| 5575     | 25       | 133.915 | 0        | 3200.425  | 0          | 216501.375    | 38012.375      |
| 5600     | 25       | 129.337 | 0        | 3290.65   | 0          | 219792.025    | 38012.375      |
| 5625     | 25       | 109.404 | 0        | 2984.263  | 0          | 222776.288    | 38012.375      |
| 5650     | 25       | 83.411  | 0        | 2410.188  | 0          | 225186.475    | 38012.375      |
| 5675     | 25       | 98.581  | 0        | 2274.9    | 0          | 227461.375    | 38012.375      |
| 5700     | 25       | 107.157 | 0        | 2571.725  | 0          | 230033.1      | 38012.375      |
| 5725     | 25       | 115.093 | 0        | 2778.125  | 0          | 232811.225    | 38012.375      |
| 5750     | 25       | 110.151 | 0        | 2815.55   | 0          | 235626.775    | 38012.375      |
| 5775     | 25       | 111.529 | 0        | 2771      | 0          | 238397.775    | 38012.375      |
| 5800     | 25       | 92.223  | 0        | 2546.9    | 0          | 240944.675    | 38012.375      |
| 5825     | 25       | 72.634  | 0        | 2060.713  | 0          | 243005.388    | 38012.375      |
| 5850     | 25       | 85.042  | 0        | 1970.95   | 0          | 244976.338    | 38012.375      |
| 5875     | 25       | 93.352  | 0        | 2229.925  | 0          | 247206.263    | 38012.375      |
| 5900     | 25       | 92.852  | 0        | 2327.55   | 0          | 249533.813    | 38012.375      |
| 5925     | 25       | 98.703  | 0        | 2394.438  | 0          | 251928.25     | 38012.375      |
| 5950     | 25       | 109.266 | 0        | 2599.613  | 0          | 254527.863    | 38012.375      |
| 5975     | 25       | 116.595 | 0        | 2823.263  | 0          | 257351.125    | 38012.375      |
| 6000     | 25       | 120.009 | 0        | 2957.55   | 0          | 260308.675    | 38012.375      |
| 6025     | 25       | 120     | 0        | 3000.113  | 0          | 263308.788    | 38012.375      |
| 6050     | 25       | 123.606 | 0        | 3045.075  | 0          | 266353.863    | 38012.375      |
| 6075     | 25       | 130.153 | 0        | 3171.988  | 0          | 269525.85     | 38012.375      |
| 6100     | 25       | 137.583 | 0        | 3346.7    | 0          | 272872.55     | 38012.375      |
| 6125     | 25       | 125.443 | 0        | 3287.825  | 0          | 276160.375    | 38012.375      |
| 6150     | 25       | 102.506 | 0        | 2849.363  | 0          | 279009.738    | 38012.375      |
| 6175     | 25       | 109.67  | 0        | 2652.2    | 0          | 281661.938    | 38012.375      |
| 6200     | 25       | 101.244 | 0        | 2636.425  | 0          | 284298.363    | 38012.375      |
| 6225     | 25       | 90.427  | 0        | 2395.888  | 0          | 286694.25     | 38012.375      |
| 6250     | 25       | 98.508  | 0        | 2361.688  | 0          | 289055.938    | 38012.375      |
| 6275     | 25       | 101.029 | 0        | 2494.213  | 0          | 291550.15     | 38012.375      |



| Chainage | Distance | CutArea | FillArea | CutVolume | FillVolume | Cum CutVolume | Cum FillVolume |
|----------|----------|---------|----------|-----------|------------|---------------|----------------|
| 6300     | 25       | 120.683 | 0        | 2771.4    | 0          | 294321.55     | 38012.375      |
| 6325     | 25       | 136.142 | 0        | 3210.313  | 0          | 297531.863    | 38012.375      |
| 6350     | 25       | 129.139 | 0        | 3316.013  | 0          | 300847.875    | 38012.375      |
| 6375     | 25       | 103.139 | 0        | 2903.475  | 0          | 303751.35     | 38012.375      |
| 6400     | 25       | 122.076 | 0        | 2815.188  | 0          | 306566.538    | 38012.375      |
| 6425     | 25       | 154.306 | 0        | 3454.775  | 0          | 310021.313    | 38012.375      |
| 6450     | 25       | 151.406 | 0        | 3821.4    | 0          | 313842.713    | 38012.375      |
| 6475     | 25       | 108.955 | 0        | 3254.513  | 0          | 317097.225    | 38012.375      |
| 6500     | 25       | 109.558 | 0        | 2731.413  | 0          | 319828.638    | 38012.375      |
| 6525     | 25       | 112.725 | 0        | 2778.538  | 0          | 322607.175    | 38012.375      |
| 6550     | 25       | 114.087 | 0        | 2835.15   | 0          | 325442.325    | 38012.375      |
| 6575     | 25       | 124.848 | 0        | 2986.688  | 0          | 328429.013    | 38012.375      |
| 6600     | 25       | 120.524 | 0        | 3067.15   | 0          | 331496.163    | 38012.375      |
| 6625     | 25       | 113.371 | 0        | 2923.688  | 0          | 334419.85     | 38012.375      |
| 6650     | 25       | 122.566 | 0        | 2949.213  | 0          | 337369.063    | 38012.375      |
| 6675     | 25       | 112.153 | 0        | 2933.988  | 0          | 340303.05     | 38012.375      |
| 6700     | 25       | 134.263 | 0        | 3080.2    | 0          | 343383.25     | 38012.375      |
| 6725     | 25       | 152.104 | 0        | 3579.588  | 0          | 346962.838    | 38012.375      |
| 6750     | 25       | 103.37  | 0        | 3193.425  | 0          | 350156.263    | 38012.375      |
| 6775     | 25       | 76.218  | 0        | 2244.85   | 0          | 352401.113    | 38012.375      |
| 6800     | 25       | 141.509 | 0        | 2721.588  | 0          | 355122.7      | 38012.375      |
| 6825     | 25       | 177.641 | 0        | 3989.375  | 0          | 359112.075    | 38012.375      |
| 6850     | 25       | 174.156 | 0        | 4397.463  | 0          | 363509.538    | 38012.375      |
| 6875     | 25       | 184.448 | 0        | 4482.55   | 0          | 367992.088    | 38012.375      |
| 6900     | 25       | 208.857 | 0        | 4916.313  | 0          | 372908.4      | 38012.375      |
| 6925     | 25       | 207.701 | 0        | 5206.975  | 0          | 378115.375    | 38012.375      |
| 6950     | 25       | 245.318 | 0        | 5662.738  | 0          | 383778.113    | 38012.375      |
| 6975     | 25       | 216.072 | 0        | 5767.375  | 0          | 389545.488    | 38012.375      |
| 7000     | 25       | 144.985 | 0        | 4513.213  | 0          | 394058.7      | 38012.375      |
| 7025     | 25       | 86.267  | 0        | 2890.65   | 0          | 396949.35     | 38012.375      |
| 7050     | 25       | 98.628  | 0        | 2311.188  | 0          | 399260.538    | 38012.375      |
| 7075     | 25       | 135.685 | 0        | 2928.913  | 0          | 402189.45     | 38012.375      |
| 7100     | 25       | 177.802 | 0        | 3918.588  | 0          | 406108.038    | 38012.375      |
| 7125     | 25       | 184.175 | 0        | 4524.713  | 0          | 410632.75     | 38012.375      |
| 7150     | 25       | 91.629  | 0        | 3447.55   | 0          | 414080.3      | 38012.375      |
| 7175     | 25       | 152.964 | 0        | 3057.413  | 0          | 417137.713    | 38012.375      |
| 7200     | 25       | 302.045 | 0        | 5687.613  | 0          | 422825.325    | 38012.375      |
| 7225     | 25       | 307.08  | 0        | 7614.063  | 0          | 430439.388    | 38012.375      |
| 7250     | 25       | 115.632 | 0        | 5283.9    | 0          | 435723.288    | 38012.375      |
| 7275     | 25       | 86.408  | 0        | 2525.5    | 0          | 438248.788    | 38012.375      |
| 7300     | 25       | 82.711  | 0        | 2113.988  | 0          | 440362.775    | 38012.375      |
| 7325     | 25       | 90.128  | 0        | 2160.488  | 0          | 442523.263    | 38012.375      |
| 7350     | 25       | 82.56   | 0        | 2158.6    | 0          | 444681.863    | 38012.375      |
| 7375     | 25       | 81.295  | 0        | 2048.188  | 0          | 446730.05     | 38012.375      |
| 7400     | 25       | 61.622  | 0        | 1786.463  | 0          | 448516.513    | 38012.375      |
| 7425     | 25       | 60.899  | 0        | 1531.513  | 0          | 450048.025    | 38012.375      |
| 7450     | 25       | 43.428  | 0        | 1304.088  | 0          | 451352.113    | 38012.375      |
| 7475     | 25       | 24.885  | 0.088    | 853.913   | 1.1        | 452206.025    | 38013.475      |
| 7500     | 25       | 48.18   | 0        | 913.313   | 1.1        | 453119.338    | 38014.575      |
| 7525     | 25       | 33.05   | 0        | 1015.375  | 0          | 454134.713    | 38014.575      |
| 7550     | 25       | 0.005   | 102.672  | 413.188   | 1283.4     | 454547.9      | 39297.975      |

| Chainage | Distance | CutArea | FillArea | CutVolume | FillVolume | Cum CutVolume | Cum FillVolume |
|----------|----------|---------|----------|-----------|------------|---------------|----------------|
| 7575     | 25       | 0       | 75.892   | 0.063     | 2232.05    | 454547.963    | 41530.025      |
| 7600     | 25       | 1.264   | 4.603    | 15.8      | 1006.188   | 454563.763    | 42536.213      |
| 7625     | 25       | 0.552   | 3.069    | 22.7      | 95.9       | 454586.463    | 42632.113      |
| 7650     | 25       | 0.121   | 66.562   | 8.413     | 870.388    | 454594.875    | 43502.5        |
| 7675     | 25       | 0.555   | 26.981   | 8.45      | 1169.288   | 454603.325    | 44671.788      |
| 7700     | 25       | 0.001   | 7.995    | 6.95      | 437.2      | 454610.275    | 45108.988      |
| 7725     | 25       | 29.916  | 0        | 373.963   | 99.938     | 454984.238    | 45208.925      |
| 7750     | 25       | 39.328  | 0        | 865.55    | 0          | 455849.788    | 45208.925      |
| 7775     | 25       | 33.247  | 0        | 907.188   | 0          | 456756.975    | 45208.925      |
| 7800     | 25       | 16.485  | 6.973    | 621.65    | 87.163     | 457378.625    | 45296.088      |
| 7825     | 25       | 20.881  | 10.204   | 467.075   | 214.713    | 457845.7      | 45510.8        |
| 7850     | 25       | 0       | 9.119    | 261.013   | 241.538    | 458106.713    | 45752.338      |
| 7875     | 25       | 0.137   | 4.295    | 1.713     | 167.675    | 458108.425    | 45920.013      |
| 7900     | 25       | 2.988   | 0.004    | 39.063    | 53.738     | 458147.488    | 45973.75       |
| 7925     | 25       | 12.811  | 0        | 197.488   | 0.05       | 458344.975    | 45973.8        |
| 7950     | 25       | 34.304  | 0        | 588.938   | 0          | 458933.913    | 45973.8        |
| 7975     | 25       | 51.227  | 0        | 1069.138  | 0          | 460003.05     | 45973.8        |
| 8000     | 25       | 48.133  | 0        | 1242      | 0          | 461245.05     | 45973.8        |
| 8025     | 25       | 48.274  | 0        | 1205.088  | 0          | 462450.138    | 45973.8        |
| 8050     | 25       | 45.433  | 0        | 1171.338  | 0          | 463621.475    | 45973.8        |
| 8075     | 25       | 55.362  | 0        | 1259.938  | 0          | 464881.413    | 45973.8        |
| 8100     | 25       | 53.754  | 0        | 1363.95   | 0          | 466245.363    | 45973.8        |
| 8125     | 25       | 28.495  | 0        | 1028.113  | 0          | 467273.475    | 45973.8        |
| 8150     | 25       | 7.66    | 0.474    | 451.938   | 5.925      | 467725.413    | 45979.725      |
| 8175     | 25       | 10.701  | 0        | 229.513   | 5.925      | 467954.925    | 45985.65       |
| 8200     | 25       | 24.771  | 0        | 443.4     | 0          | 468398.325    | 45985.65       |
| 8225     | 25       | 31.798  | 0        | 707.113   | 0          | 469105.438    | 45985.65       |
| 8250     | 25       | 47.566  | 0        | 992.05    | 0          | 470097.488    | 45985.65       |
| 8275     | 25       | 102.901 | 0        | 1880.838  | 0          | 471978.325    | 45985.65       |
| 8300     | 25       | 117.021 | 0        | 2749.025  | 0          | 474727.35     | 45985.65       |
| 8325     | 25       | 63.574  | 0        | 2257.438  | 0          | 476984.788    | 45985.65       |
| 8350     | 25       | 33.943  | 0        | 1218.963  | 0          | 478203.75     | 45985.65       |
| 8375     | 25       | 47.604  | 0        | 1019.338  | 0          | 479223.088    | 45985.65       |
| 8400     | 25       | 34.594  | 0        | 1027.475  | 0          | 480250.563    | 45985.65       |
| 8425     | 25       | 5.703   | 7.543    | 503.713   | 94.288     | 480754.275    | 46079.938      |
| 8450     | 25       | 8.022   | 10.645   | 171.563   | 227.35     | 480925.838    | 46307.288      |
| 8475     | 25       | 0       | 9.323    | 100.275   | 249.6      | 481026.113    | 46556.888      |
| 8500     | 25       | 0       | 17.614   | 0         | 336.713    | 481026.113    | 46893.6        |
| 8525     | 25       | 2.272   | 17.485   | 28.4      | 438.738    | 481054.513    | 47332.338      |
| 8550     | 25       | 1.037   | 18.253   | 41.363    | 446.725    | 481095.875    | 47779.063      |
| 8575     | 25       | 8.601   | 5.867    | 120.475   | 301.5      | 481216.35     | 48080.563      |
| 8600     | 25       | 0.446   | 10.552   | 113.088   | 205.238    | 481329.438    | 48285.8        |
| 8625     | 25       | 3.656   | 4.746    | 51.275    | 191.225    | 481380.713    | 48477.025      |
| 8650     | 25       | 32.664  | 0        | 454       | 59.325     | 481834.713    | 48536.35       |
| 8675     | 25       | 37.845  | 0        | 881.363   | 0          | 482716.075    | 48536.35       |
| 8700     | 25       | 37.688  | 0        | 944.163   | 0          | 483660.238    | 48536.35       |
| 8725     | 25       | 26.262  | 0        | 799.375   | 0          | 484459.613    | 48536.35       |
| 8750     | 25       | 24.92   | 0        | 639.775   | 0          | 485099.388    | 48536.35       |
| 8775     | 25       | 32.048  | 0        | 712.1     | 0          | 485811.488    | 48536.35       |
| 8800     | 25       | 50.323  | 0        | 1029.638  | 0          | 486841.125    | 48536.35       |
| 8825     | 25       | 50.342  | 0        | 1258.313  | 0          | 488099.438    | 48536.35       |



| Chainage | Distance | CutArea | FillArea | CutVolume | FillVolume | Cum CutVolume | Cum FillVolume |
|----------|----------|---------|----------|-----------|------------|---------------|----------------|
| 8850     | 25       | 53.088  | 0        | 1292.875  | 0          | 489392.313    | 48536.35       |
| 8875     | 25       | 44.36   | 0        | 1218.1    | 0          | 490610.413    | 48536.35       |
| 8900     | 25       | 36.868  | 0        | 1015.35   | 0          | 491625.763    | 48536.35       |
| 8925     | 25       | 40.616  | 0        | 968.55    | 0          | 492594.313    | 48536.35       |
| 8950     | 25       | 41.125  | 0        | 1021.763  | 0          | 493616.075    | 48536.35       |
| 8975     | 25       | 37.4    | 0        | 981.563   | 0          | 494597.638    | 48536.35       |
| 9000     | 25       | 14.215  | 1.436    | 645.188   | 17.95      | 495242.825    | 48554.3        |
| 9025     | 25       | 10.19   | 52.585   | 305.063   | 675.263    | 495547.888    | 49229.563      |
| 9050     | 25       | 0       | 95.967   | 127.375   | 1856.9     | 495675.263    | 51086.463      |
| 9075     | 25       | 0       | 21.807   | 0         | 1472.175   | 495675.263    | 52558.638      |
| 9100     | 25       | 1.936   | 17.098   | 24.2      | 486.313    | 495699.463    | 53044.95       |
| 9125     | 25       | 2.046   | 9.448    | 49.775    | 331.825    | 495749.238    | 53376.775      |
| 9150     | 25       | 3.514   | 0.887    | 69.5      | 129.188    | 495818.738    | 53505.963      |
| 9175     | 25       | 14.122  | 0        | 220.45    | 11.088     | 496039.188    | 53517.05       |
| 9200     | 25       | 33.803  | 0        | 599.063   | 0          | 496638.25     | 53517.05       |
| 9225     | 25       | 28.6    | 0        | 780.038   | 0          | 497418.288    | 53517.05       |
| 9250     | 25       | 20.623  | 0        | 615.288   | 0          | 498033.575    | 53517.05       |
| 9275     | 25       | 13.916  | 0        | 431.738   | 0          | 498465.313    | 53517.05       |
| 9300     | 25       | 29.451  | 0        | 542.088   | 0          | 499007.4      | 53517.05       |
| 9325     | 25       | 30.23   | 0        | 746.013   | 0          | 499753.413    | 53517.05       |
| 9350     | 25       | 65.809  | 0        | 1200.488  | 0          | 500953.9      | 53517.05       |
| 9375     | 25       | 37.973  | 0        | 1297.275  | 0          | 502251.175    | 53517.05       |
| 9400     | 25       | 23.41   | 0        | 767.288   | 0          | 503018.463    | 53517.05       |
| 9425     | 25       | 11.66   | 0        | 438.375   | 0          | 503456.838    | 53517.05       |
| 9450     | 25       | 5.997   | 16.562   | 220.713   | 207.025    | 503677.55     | 53724.075      |
| 9475     | 25       | 16.838  | 0        | 285.438   | 207.025    | 503962.988    | 53931.1        |
| 9500     | 25       | 26.699  | 0        | 544.213   | 0          | 504507.2      | 53931.1        |
| 9525     | 25       | 12.199  | 1.117    | 486.225   | 13.963     | 504993.425    | 53945.063      |
| 9550     | 25       | 3.141   | 1.009    | 191.75    | 26.575     | 505185.175    | 53971.638      |
| 9575     | 25       | 21.093  | 0        | 302.925   | 12.613     | 505488.1      | 53984.25       |
| 9600     | 25       | 35.874  | 0        | 712.088   | 0          | 506200.188    | 53984.25       |
| 9625     | 25       | 85.225  | 0        | 1513.738  | 0          | 507713.925    | 53984.25       |
| 9650     | 25       | 82.667  | 0        | 2098.65   | 0          | 509812.575    | 53984.25       |
| 9675     | 25       | 53.885  | 0        | 1706.9    | 0          | 511519.475    | 53984.25       |
| 9700     | 25       | 46.865  | 0        | 1259.375  | 0          | 512778.85     | 53984.25       |
| 9725     | 25       | 40.395  | 0        | 1090.75   | 0          | 513869.6      | 53984.25       |
| 9750     | 25       | 11.94   | 0        | 654.188   | 0          | 514523.788    | 53984.25       |
| 9775     | 25       | 15.581  | 0        | 344.013   | 0          | 514867.8      | 53984.25       |
| 9800     | 25       | 15.433  | 12.042   | 387.675   | 150.525    | 515255.475    | 54134.775      |
| 9825     | 25       | 50.652  | 0        | 826.063   | 150.525    | 516081.538    | 54285.3        |
| 9850     | 25       | 75.895  | 0        | 1581.838  | 0          | 517663.375    | 54285.3        |
| 9875     | 25       | 74.748  | 0        | 1883.038  | 0          | 519546.413    | 54285.3        |
| 9900     | 25       | 48.193  | 0        | 1536.763  | 0          | 521083.175    | 54285.3        |
| 9925     | 25       | 23.878  | 0        | 900.888   | 0          | 521984.063    | 54285.3        |
| 9950     | 25       | 0       | 22.19    | 298.475   | 277.375    | 522282.538    | 54562.675      |
| 9975     | 25       | 6.048   | 0        | 75.6      | 277.375    | 522358.138    | 54840.05       |
| 10000    | 25       | 35.929  | 0        | 524.713   | 0          | 522882.85     | 54840.05       |
| 10025    | 25       | 69.501  | 0        | 1317.875  | 0          | 524200.725    | 54840.05       |
| 10050    | 25       | 114.928 | 0        | 2305.363  | 0          | 526506.088    | 54840.05       |
| 10075    | 25       | 143.332 | 0        | 3228.25   | 0          | 529734.338    | 54840.05       |
| 10100    | 25       | 146.707 | 0        | 3625.488  | 0          | 533359.825    | 54840.05       |

| Chainage | Distance | CutArea | FillArea | CutVolume | FillVolume | Cum CutVolume | Cum FillVolume |
|----------|----------|---------|----------|-----------|------------|---------------|----------------|
| 10125    | 25       | 136.511 | 0        | 3540.225  | 0          | 536900.05     | 54840.05       |
| 10150    | 25       | 124.928 | 0        | 3267.988  | 0          | 540168.038    | 54840.05       |
| 10175    | 25       | 115.374 | 0        | 3003.775  | 0          | 543171.813    | 54840.05       |
| 10200    | 25       | 103.128 | 0        | 2731.275  | 0          | 545903.088    | 54840.05       |
| 10225    | 25       | 88.824  | 0        | 2399.4    | 0          | 548302.488    | 54840.05       |
| 10250    | 25       | 75.21   | 0        | 2050.425  | 0          | 550352.913    | 54840.05       |
| 10275    | 25       | 62.444  | 0        | 1720.675  | 0          | 552073.588    | 54840.05       |
| 10300    | 25       | 33.602  | 0        | 1200.575  | 0          | 553274.163    | 54840.05       |
| 10325    | 25       | 16.271  | 0.211    | 623.413   | 2.638      | 553897.575    | 54842.688      |
| 10350    | 25       | 28.765  | 0        | 562.95    | 2.638      | 554460.525    | 54845.325      |
| 10375    | 25       | 34.744  | 0        | 793.863   | 0          | 555254.388    | 54845.325      |
| 10400    | 25       | 32.589  | 0        | 841.663   | 0          | 556096.05     | 54845.325      |
| 10425    | 25       | 40.117  | 0        | 908.825   | 0          | 557004.875    | 54845.325      |
| 10450    | 25       | 62.177  | 0        | 1278.675  | 0          | 558283.55     | 54845.325      |
| 10475    | 25       | 75.34   | 0        | 1718.963  | 0          | 560002.513    | 54845.325      |
| 10500    | 25       | 84.008  | 0        | 1991.85   | 0          | 561994.363    | 54845.325      |
| 10525    | 25       | 64.139  | 0        | 1851.838  | 0          | 563846.2      | 54845.325      |
| 10550    | 25       | 33.585  | 0        | 1221.55   | 0          | 565067.75     | 54845.325      |
| 10575    | 25       | 12.146  | 0        | 571.638   | 0          | 565639.388    | 54845.325      |
| 10600    | 25       | 12.432  | 0        | 307.225   | 0          | 565946.613    | 54845.325      |
| 10625    | 25       | 17.519  | 0.252    | 374.388   | 3.15       | 566321        | 54848.475      |
| 10650    | 25       | 80.376  | 0        | 1223.688  | 3.15       | 567544.688    | 54851.625      |
| 10675    | 25       | 58.767  | 0        | 1739.288  | 0          | 569283.975    | 54851.625      |
| 10700    | 25       | 28.907  | 0        | 1095.925  | 0          | 570379.9      | 54851.625      |
| 10725    | 25       | 20.968  | 0        | 623.438   | 0          | 571003.338    | 54851.625      |
| 10750    | 25       | 68.613  | 0        | 1119.763  | 0          | 572123.1      | 54851.625      |
| 10775    | 25       | 51.262  | 0        | 1498.438  | 0          | 573621.538    | 54851.625      |
| 10800    | 25       | 97.004  | 0        | 1853.325  | 0          | 575474.863    | 54851.625      |
| 10825    | 25       | 176.213 | 0        | 3415.213  | 0          | 578890.075    | 54851.625      |
| 10850    | 25       | 206.936 | 0        | 4789.363  | 0          | 583679.438    | 54851.625      |
| 10875    | 25       | 192.408 | 0        | 4991.8    | 0          | 588671.238    | 54851.625      |
| 10900    | 25       | 187.713 | 0        | 4751.513  | 0          | 593422.75     | 54851.625      |
| 10925    | 25       | 207.073 | 0        | 4934.825  | 0          | 598357.575    | 54851.625      |
| 10950    | 25       | 223.557 | 0        | 5382.875  | 0          | 603740.45     | 54851.625      |
| 10975    | 25       | 217.626 | 0        | 5514.788  | 0          | 609255.238    | 54851.625      |
| 11000    | 25       | 200.055 | 0        | 5221.013  | 0          | 614476.25     | 54851.625      |
| 11025    | 25       | 229.955 | 0        | 5375.125  | 0          | 619851.375    | 54851.625      |
| 11050    | 25       | 266.828 | 0        | 6209.788  | 0          | 626061.163    | 54851.625      |
| 11075    | 25       | 117.722 | 0        | 4806.875  | 0          | 630868.038    | 54851.625      |
| 11100    | 25       | 23.004  | 8.316    | 1759.075  | 103.95     | 632627.113    | 54955.575      |
| 11125    | 25       | 0.932   | 22.422   | 299.2     | 384.225    | 632926.313    | 55339.8        |
| 11150    | 25       | 3.782   | 1.178    | 58.925    | 295        | 632985.238    | 55634.8        |
| 11175    | 25       | 7.522   | 0        | 141.3     | 14.725     | 633126.538    | 55649.525      |
| 11200    | 25       | 19.51   | 0        | 337.9     | 0          | 633464.438    | 55649.525      |
| 11225    | 25       | 46.082  | 0        | 819.9     | 0          | 634284.338    | 55649.525      |
| 11250    | 25       | 71.303  | 0        | 1467.313  | 0          | 635751.65     | 55649.525      |
| 11275    | 25       | 74.679  | 0        | 1824.775  | 0          | 637576.425    | 55649.525      |
| 11300    | 25       | 74.919  | 0        | 1869.975  | 0          | 639446.4      | 55649.525      |
| 11325    | 25       | 107.952 | 0        | 2285.888  | 0          | 641732.288    | 55649.525      |
| 11350    | 25       | 35.234  | 0        | 1789.825  | 0          | 643522.113    | 55649.525      |
| 11375    | 25       | 25.119  | 0        | 754.413   | 0          | 644276.525    | 55649.525      |



| Chainage | Distance | CutArea | FillArea | CutVolume  | FillVolume | Cum CutVolume | Cum FillVolume |
|----------|----------|---------|----------|------------|------------|---------------|----------------|
| 11400    | 25       | 33.141  | 0        | 728.25     | 0          | 645004.775    | 55649.525      |
| 11425    | 25       | 54.247  | 0        | 1092.35    | 0          | 646097.125    | 55649.525      |
| 11450    | 25       | 43.554  | 0        | 1222.513   | 0          | 647319.638    | 55649.525      |
| 11475    | 25       | 34.811  | 0        | 979.563    | 0          | 648299.2      | 55649.525      |
| 11500    | 25       | 32.615  | 0        | 842.825    | 0          | 649142.025    | 55649.525      |
| 11525    | 25       | 26.622  | 3.297    | 740.463    | 41.213     | 649882.488    | 55690.738      |
| 11550    | 25       | 0       | 98.061   | 332.775    | 1266.975   | 650215.263    | 56957.713      |
| 11575    | 25       | 19.219  | 0        | 240.238    | 1225.763   | 650455.5      | 58183.475      |
| 11600    | 25       | 53.971  | 0        | 914.875    | 0          | 651370.375    | 58183.475      |
| 11625    | 25       | 61.031  | 0        | 1437.525   | 0          | 652807.9      | 58183.475      |
| 11650    | 25       | 101.76  | 0        | 2034.888   | 0          | 654842.788    | 58183.475      |
| 11675    | 25       | 112.705 | 0        | 2680.813   | 0          | 657523.6      | 58183.475      |
| 11700    | 25       | 115.657 | 0        | 2854.525   | 0          | 660378.125    | 58183.475      |
| 11725    | 25       | 133.351 | 0        | 3112.6     | 0          | 663490.725    | 58183.475      |
| 11750    | 25       | 132.312 | 0        | 3320.788   | 0          | 666811.513    | 58183.475      |
| 11775    | 25       | 129.507 | 0        | 3272.738   | 0          | 670084.25     | 58183.475      |
| 11800    | 25       | 102.578 | 0        | 2901.063   | 0          | 672985.313    | 58183.475      |
| 11825    | 25       | 54.174  | 1.839    | 1959.4     | 22.988     | 674944.713    | 58206.463      |
| 11850    | 25       | 87.707  | 0        | 1773.513   | 22.988     | 676718.225    | 58229.45       |
| 11875    | 25       | 62.849  | 0        | 1881.95    | 0          | 678600.175    | 58229.45       |
| 11900    | 25       | 63.201  | 0        | 1575.625   | 0          | 680175.8      | 58229.45       |
| 11925    | 25       | 11.62   | 7.569    | 935.263    | 94.613     | 681111.063    | 58324.063      |
| 11950    | 25       | 0       | 53.056   | 145.25     | 757.813    | 681256.313    | 59081.875      |
| 11975    | 25       | 0       | 34.578   | 0          | 1095.425   | 681256.313    | 60177.3        |
| Total=   |          |         |          | 681256.427 | 60177.333  |               |                |

Qty. To be disposed = 621079.09 cum