

# SURVEY CONTROL SHEET

## Design Alignments

- FINAL -

L

| TYPE | STATION  | NORTH       | EAST         |
|------|----------|-------------|--------------|
| POT  | 10+00.00 | 560567.8683 | 1395302.5370 |
| PC   | 13+11.78 | 560870.3769 | 1395378.0072 |
| PT   | 19+51.40 | 561505.2292 | 1395417.2542 |
| PC   | 24+93.44 | 562043.3016 | 1395351.8245 |
| PT   | 31+63.42 | 562700.8190 | 1395437.1093 |
| PC   | 56+58.06 | 565018.4489 | 1396360.0618 |
| PT   | 65+85.34 | 565764.0701 | 1396895.7537 |
| PC   | 70+26.60 | 566049.6073 | 1397232.1708 |
| PT   | 77+05.60 | 566367.7126 | 1397826.2862 |
| PC   | 89+61.77 | 566714.1361 | 1399033.7466 |
| PT   | 95+08.32 | 567040.7987 | 1399455.5664 |
| POT  | 95+08.32 | 567040.7936 | 1399455.5634 |

Y6

| TYPE | STATION  | NORTH       | EAST         |
|------|----------|-------------|--------------|
| POT  | 10+00.00 | 563698.9844 | 1395834.6099 |
| PC   | 11+19.58 | 563599.3223 | 1395900.6863 |
| PT   | 13+46.25 | 563482.9919 | 1396007.2103 |
| PC   | 14+30.65 | 563472.0548 | 1396170.8942 |
| PT   | 16+95.74 | 563371.2228 | 1396412.7137 |
| POT  | 16+95.74 | 563371.2228 | 1396412.7137 |

Y14A

| TYPE | STATION  | NORTH       | EAST         |
|------|----------|-------------|--------------|
| POT  | 10+00.00 | 561316.3692 | 1394481.7369 |
| POT  | 12+34.55 | 561174.9054 | 1394668.8208 |

Y

| TYPE | STATION  | NORTH       | EAST         |
|------|----------|-------------|--------------|
| POT  | 10+00.00 | 560776.8456 | 1394285.6265 |
| PC   | 15+68.71 | 561186.5610 | 1394680.0412 |
| PT   | 19+02.18 | 561391.7943 | 1394941.5111 |
| PC   | 19+63.97 | 561422.8454 | 1394994.9306 |
| PT   | 22+65.11 | 561503.9308 | 1395281.6761 |
| EQB  | 31+05.27 | 561524.6241 | 1396121.5813 |
| EQA  | 13+98.52 | 561524.6241 | 1396121.5813 |

Y7

| TYPE | STATION  | NORTH       | EAST         |
|------|----------|-------------|--------------|
| POT  | 12+00.00 | 564124.6084 | 1395371.0332 |
| POT  | 17+88.38 | 563891.8536 | 1395911.4164 |

Y14B

| TYPE | STATION  | NORTH       | EAST         |
|------|----------|-------------|--------------|
| POT  | 10+00.00 | 561192.8507 | 1394686.1403 |
| POT  | 11+48.48 | 561090.0908 | 1394793.3136 |

Y1

| TYPE | STATION  | NORTH       | EAST         |
|------|----------|-------------|--------------|
| POT  | 10+00.00 | 561723.9488 | 1395390.6578 |
| PC   | 11+88.58 | 561821.7346 | 1395551.9005 |
| PT   | 13+58.70 | 561903.4992 | 1395701.0277 |
| PC   | 13+61.49 | 561902.2658 | 1395698.5251 |
| PT   | 14+44.30 | 561941.9033 | 1395771.2004 |
| POT  | 15+55.63 | 561999.2119 | 1395866.6516 |

Y8

| TYPE | STATION  | NORTH       | EAST         |
|------|----------|-------------|--------------|
| POT  | 10+00.00 | 565435.9174 | 1396590.7511 |
| PC   | 10+60.89 | 565400.8870 | 1396640.5596 |
| PT   | 11+30.72 | 565351.6624 | 1396689.5782 |
| PC   | 11+82.49 | 565309.1881 | 1396719.1850 |
| PT   | 12+77.02 | 565254.9652 | 1396794.4278 |
| POT  | 13+20.43 | 565242.6852 | 1396836.0593 |

Y15

| TYPE | STATION  | NORTH       | EAST         |
|------|----------|-------------|--------------|
| POT  | 10+00.00 | 561597.6228 | 1394651.2200 |
| POT  | 12+82.87 | 561428.3135 | 1394877.8248 |

Y2

| TYPE | STATION  | NORTH       | EAST         |
|------|----------|-------------|--------------|
| POT  | 10+00.00 | 561342.9628 | 1394864.4089 |
| PC   | 10+20.81 | 561363.5054 | 1394861.0679 |
| PT   | 10+81.73 | 561421.7235 | 1394873.4912 |
| PC   | 10+91.53 | 561429.9121 | 1394878.8760 |
| PT   | 13+51.07 | 561659.7338 | 1394998.5015 |
| PC   | 16+34.71 | 561923.3307 | 1395103.2186 |
| PT   | 18+53.55 | 562092.4503 | 1395237.1868 |
| POT  | 19+82.07 | 562165.9765 | 1395342.5959 |

Y9

| TYPE | STATION  | NORTH       | EAST         |
|------|----------|-------------|--------------|
| POT  | 10+00.00 | 565595.9196 | 1396376.0467 |
| POT  | 12+67.83 | 565442.5859 | 1396595.6424 |

DR1

| TYPE | STATION  | NORTH       | EAST         |
|------|----------|-------------|--------------|
| POT  | 10+00.00 | 564100.4979 | 1395994.5051 |
| PC   | 11+50.58 | 564044.7878 | 1396134.3990 |
| PT   | 12+33.34 | 564006.4591 | 1396207.5859 |
| POT  | 12+33.35 | 564006.4638 | 1396207.5788 |

Y3

| TYPE | STATION  | NORTH       | EAST         |
|------|----------|-------------|--------------|
| POT  | 10+00.00 | 561927.6968 | 1395104.9524 |
| POT  | 19+59.13 | 562819.0664 | 1395459.0578 |

Y10

| TYPE | STATION  | NORTH       | EAST         |
|------|----------|-------------|--------------|
| POT  | 10+00.00 | 565841.4460 | 1396986.9171 |
| PC   | 10+11.41 | 565834.1479 | 1396995.6837 |
| PT   | 14+29.61 | 565586.1083 | 1397332.0888 |
| POT  | 14+29.61 | 565586.1083 | 1397332.0888 |

DR2

| TYPE | STATION  | NORTH       | EAST         |
|------|----------|-------------|--------------|
| POT  | 10+00.00 | 564228.8915 | 1396045.6354 |
| PC   | 11+53.07 | 564172.2582 | 1396187.8475 |
| PRC  | 11+71.29 | 564162.6209 | 1396203.1819 |
| PT   | 11+87.31 | 564153.8350 | 1396216.5067 |
| POT  | 12+47.75 | 564129.0476 | 1396271.6225 |

Y4

| TYPE | STATION  | NORTH       | EAST         |
|------|----------|-------------|--------------|
| POT  | 10+00.00 | 562669.9783 | 1395425.2659 |
| POT  | 12+17.58 | 562612.6247 | 1395635.1512 |
| PC   | 12+87.32 | 562595.9543 | 1395702.8674 |
| PT   | 13+65.28 | 562607.1949 | 1395778.0360 |
| POT  | 13+77.71 | 562613.5660 | 1395788.7067 |

Y11

| TYPE | STATION  | NORTH       | EAST         |
|------|----------|-------------|--------------|
| POT  | 10+00.00 | 566784.5471 | 1396864.7274 |
| PC   | 10+91.05 | 566724.9615 | 1396933.5708 |
| PT   | 16+05.01 | 566374.1636 | 1397309.0322 |
| PC   | 18+06.16 | 566231.3527 | 1397450.6858 |
| PT   | 19+21.18 | 566136.3384 | 1397514.2522 |
| PC   | 20+11.35 | 566053.2157 | 1397549.1931 |
| PT   | 21+07.19 | 565962.8935 | 1397581.0914 |
| POT  | 24+00.00 | 565681.5735 | 1397662.3048 |

DR3

| TYPE | STATION  | NORTH       | EAST         |
|------|----------|-------------|--------------|
| POT  | 10+00.00 | 565534.3757 | 1396464.1863 |
| PC   | 10+31.05 | 565508.9180 | 1396446.4104 |
| PT   | 10+46.57 | 565495.8599 | 1396438.0268 |
| POT  | 11+40.02 | 565415.3195 | 1396390.6260 |

Y5

| TYPE | STATION  | NORTH       | EAST         |
|------|----------|-------------|--------------|
| POT  | 11+65.00 | 563346.1164 | 1395133.9977 |
| PC   | 17+81.67 | 563138.7701 | 1395714.7621 |
| PT   | 20+32.03 | 563011.8067 | 1395928.7459 |
| PC   | 21+29.31 | 562947.0697 | 1396001.3637 |
| PT   | 22+20.34 | 562876.2874 | 1396057.9190 |
| POT  | 22+20.35 | 562876.2874 | 1396057.9190 |

Y12

| TYPE | STATION  | NORTH       | EAST         |
|------|----------|-------------|--------------|
| POT  | 10+00.00 | 566209.1217 | 1397932.4647 |
| PC   | 11+13.90 | 566307.9892 | 1397875.9192 |
| PT   | 11+73.92 | 566363.1582 | 1397852.6286 |
| PC   | 12+33.59 | 566420.5136 | 1397836.1722 |
| PT   | 14+95.68 | 566671.2048 | 1397875.9581 |
| POT  | 17+85.56 | 566911.4049 | 1398038.2502 |

**DATUM DESCRIPTION**

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NGS FOR MONUMENT "MADORA" WITH NAD 83/NSRS 2007 STATE PLANE GRID COORDINATES OF NORTHING: 566623.601(ft) EASTING: 1395742.464(ft) ELEVATION: 654.06(ft)

THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.999846

THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "MADORA" TO -L- STATION 19+51.40 PT IS S 3°38'08.0" W 5128.693'

ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NAVD 88

Y13

| TYPE | STATION  | NORTH       | EAST         |
|------|----------|-------------|--------------|
| POT  | 10+00.00 | 561061.5057 | 1394273.5588 |
| POT  | 12+07.60 | 560936.4139 | 1394439.2358 |

SEE SHEET 1C-1 FOR NOTES.