

SURVEY CONTROL SHEET R-2514B

FINAL ROW MARKER IRON PIN AND CAP-E

| ALIGN | STATION | OFFSET | NORTH | EAST |
|-------|-----------|---------|-------------|--------------|
| L | 12+00.00 | 97.88 | 408991.8558 | 2520898.3986 |
| L | 12+00.00 | -88.15 | 409132.5963 | 2520776.7418 |
| L | 23+65.00 | -88.09 | 409894.4042 | 2521658.1463 |
| L | 23+65.00 | -113.00 | 409913.2492 | 2521641.8566 |
| L | 25+70.00 | -155.00 | 410079.0840 | 2521769.4803 |
| L | 26+04.00 | -113.00 | 410069.5439 | 2521822.6685 |
| L | 27+40.79 | 100.00 | 409997.8568 | 2522065.4478 |
| L | 27+40.85 | -100.00 | 410149.2031 | 2521934.7027 |
| L | 27+40.85 | -113.00 | 410159.0380 | 2521926.2013 |
| L | 37+32.00 | 100.00 | 410646.0603 | 2522815.3325 |
| L | 37+92.00 | 100.00 | 410685.2975 | 2522860.7247 |
| L | 40+11.41 | 100.00 | 410828.7824 | 2523026.7175 |
| L | 40+11.41 | -100.00 | 410980.0894 | 2522895.9268 |
| L | 42+11.41 | 100.00 | 410962.4839 | 2523178.7960 |
| L | 42+11.41 | -100.00 | 411110.4732 | 2523044.2627 |
| L | 43+38.00 | 100.00 | 411051.2680 | 2523273.4099 |
| L | 43+90.00 | 145.00 | 411056.6849 | 2523343.1787 |
| L | 44+56.00 | -100.00 | 411276.1792 | 2523215.7102 |
| L | 44+56.00 | -115.00 | 411286.6411 | 2523204.9609 |
| L | 45+10.00 | 160.00 | 411135.3472 | 2523440.9282 |
| L | 45+70.00 | 110.00 | 411214.8059 | 2523446.6907 |
| L | 46+08.00 | 110.00 | 411243.6761 | 2523472.9778 |
| L | 46+68.00 | 110.00 | 411289.7653 | 2523513.9221 |
| L | 47+60.00 | 100.00 | 411368.0250 | 2523567.6735 |
| L | 47+60.00 | 110.00 | 411361.6146 | 2523575.3486 |
| L | 53+60.00 | -115.00 | 411979.4033 | 2523741.3438 |
| L | 53+60.00 | -100.00 | 411971.6161 | 2523754.1640 |
| L | 54+30.00 | 156.15 | 411901.1284 | 2524010.3031 |
| L | 54+30.00 | 100.00 | 411929.4332 | 2523961.8114 |
| L | 58+10.00 | -100.00 | 412358.6176 | 2523960.3882 |
| L | 58+10.00 | -125.00 | 412369.1155 | 2523937.6992 |
| L | 58+10.00 | 100.00 | 412274.6346 | 2524141.9009 |
| L | 59+50.00 | 125.00 | 412396.2002 | 2524222.9101 |
| L | 67+30.21 | -125.00 | 413213.9154 | 2524216.0882 |
| L | 67+30.21 | 125.00 | 413163.4398 | 2524460.9396 |
| L | 69+30.21 | 125.00 | 413363.0295 | 2524498.6416 |
| L | 69+30.21 | -125.00 | 413407.3687 | 2524252.6049 |
| L | 85+05.00 | -125.00 | 414957.1948 | 2524531.9048 |
| L | 85+05.00 | -200.00 | 414970.4965 | 2524458.0938 |
| L | 97+89.02 | 125.00 | 416176.5236 | 2525005.6718 |
| L | 100+50.00 | 125.00 | 416429.4657 | 2525054.7253 |
| L | 101+50.00 | 125.00 | 416526.0290 | 2525075.2956 |
| L | 114+69.00 | 125.00 | 417775.9253 | 2525437.3547 |
| L | 117+40.00 | -125.00 | 418117.9790 | 2525299.7910 |
| L | 119+00.00 | -145.00 | 418275.8266 | 2525342.1045 |
| L | 119+98.00 | -486.00 | 418501.1399 | 2525066.8930 |
| L | 121+13.17 | -152.00 | 418477.5708 | 2525420.6344 |
| L | 125+25.00 | -125.00 | 418843.6809 | 2525611.1607 |
| L | 125+25.00 | -136.00 | 418848.1097 | 2525601.0917 |
| L | 133+20.00 | 125.00 | 419470.7451 | 2526160.0829 |
| L | 133+20.00 | 180.00 | 419448.6013 | 2526210.4281 |
| L | 147+35.00 | 125.00 | 420765.9921 | 2526729.7848 |
| L | 147+35.00 | -125.00 | 420866.6462 | 2526500.9426 |
| L | 148+55.00 | 125.00 | 420875.8364 | 2526778.0988 |
| L | 148+55.00 | -125.00 | 420976.4904 | 2526549.2565 |
| L | 149+26.69 | -125.00 | 421042.1132 | 2526578.1201 |
| L | 149+26.69 | 125.00 | 420941.4591 | 2526806.9623 |
| L | 168+00.00 | 125.00 | 422708.8861 | 2527466.7388 |
| L | 168+00.00 | -125.00 | 422782.8096 | 2527227.9181 |
| L | 178+90.00 | -125.00 | 423825.9957 | 2527513.2172 |
| L | 178+90.00 | 125.00 | 423768.0917 | 2527756.4191 |

| | | | | |
|---|-----------|---------|-------------|--------------|
| L | 189+00.00 | -205.00 | 424821.2785 | 2527636.3974 |
| L | 189+00.00 | -125.00 | 424807.5727 | 2527715.2146 |
| L | 195+00.00 | 125.00 | 425362.1363 | 2528054.1809 |
| L | 208+10.08 | -135.00 | 426690.3005 | 2527920.6472 |
| L | 210+02.67 | -125.00 | 426880.6204 | 2527940.1584 |
| L | 210+02.67 | 125.00 | 426869.6240 | 2528189.9165 |
| L | 213+78.00 | 125.00 | 427244.5950 | 2528206.4258 |
| L | 214+00.00 | -200.00 | 427280.8690 | 2527882.7080 |
| L | 214+00.00 | -125.00 | 427277.5701 | 2527957.6354 |
| L | 216+25.00 | -205.00 | 427505.8712 | 2527887.6096 |
| L | 218+89.00 | -140.00 | 427766.7566 | 2527964.1589 |
| L | 220+23.79 | -140.00 | 427901.4162 | 2527970.0877 |
| L | 220+63.00 | 222.00 | 427924.2312 | 2528333.4680 |
| L | 220+63.00 | 100.00 | 427929.8355 | 2528211.5969 |
| L | 222+63.79 | -125.00 | 428149.2544 | 2528002.2060 |
| L | 222+63.79 | 100.00 | 428122.9500 | 2528225.6631 |
| L | 224+14.00 | 145.00 | 428252.7572 | 2528292.5628 |
| L | 226+00.00 | 100.00 | 428430.5333 | 2528294.3389 |
| L | 228+44.42 | 100.00 | 428642.0292 | 2528382.9348 |
| L | 228+44.42 | 125.00 | 428630.6801 | 2528405.2103 |
| L | 228+44.42 | -125.00 | 428744.1716 | 2528182.4556 |
| L | 230+84.42 | -125.00 | 428960.3902 | 2528306.1236 |
| L | 230+84.42 | -100.00 | 428947.4438 | 2528327.5103 |
| L | 230+84.42 | 100.00 | 428843.8658 | 2528498.5998 |
| L | 230+84.42 | 125.00 | 428830.9171 | 2528519.9851 |
| L | 231+42.77 | 100.00 | 428893.7812 | 2528528.8187 |
| L | 231+42.77 | -100.00 | 428997.3591 | 2528357.7292 |
| L | 232+00.57 | -100.00 | 429046.8073 | 2528387.6652 |
| L | 232+00.57 | 100.00 | 428943.2260 | 2528558.7527 |

FINAL ROW MARKER IRON PIN AND CAP-E

| ALIGN | STATION | OFFSET | NORTH | EAST |
|-------|----------|--------|-------------|--------------|
| Y1 | 11+33.00 | 30.00 | 412305.5183 | 2524197.9551 |
| Y1 | 11+69.00 | -30.00 | 412357.8115 | 2524244.4037 |
| Y1 | 13+17.00 | -30.00 | 412354.2150 | 2524384.2488 |
| Y1 | 13+17.00 | 30.00 | 412294.5329 | 2524390.4169 |
| Y1 | 16+67.64 | -30.00 | 412484.0157 | 2524684.6261 |
| Y1 | 16+67.64 | 30.00 | 412438.6236 | 2524723.8632 |
| Y1 | 17+25.00 | 30.00 | 412476.1324 | 2524767.2559 |
| Y1 | 17+25.00 | -30.00 | 412521.5246 | 2524728.0187 |

FINAL ROW MARKER IRON PIN AND CAP-E

| ALIGN | STATION | OFFSET | NORTH | EAST |
|-------|----------|--------|-------------|--------------|
| Y1A | 11+42.04 | 30.00 | 412221.3017 | 2524380.7009 |
| Y1A | 16+40.00 | -40.00 | 411842.6997 | 2524049.7504 |
| Y1A | 16+40.00 | -30.00 | 411850.2651 | 2524043.2109 |
| Y1A | 17+45.00 | -40.00 | 411774.0347 | 2523970.3142 |
| Y1A | 17+45.00 | -30.00 | 411781.6001 | 2523963.7746 |

FINAL ROW MARKER IRON PIN AND CAP-E

| ALIGN | STATION | OFFSET | NORTH | EAST |
|-------|----------|---------|-------------|--------------|
| Y2 | 12+00.00 | -48.00 | 418370.6892 | 2524414.1050 |
| Y2 | 12+00.00 | 55.00 | 418270.8328 | 2524388.8523 |
| Y2 | 12+00.00 | 30.00 | 418295.0698 | 2524394.9816 |
| Y2 | 12+00.00 | -30.00 | 418353.2386 | 2524409.6919 |
| Y2 | 13+90.00 | 57.00 | 418222.3113 | 2524572.5631 |
| Y2 | 16+20.00 | -65.00 | 418280.3805 | 2524828.0067 |
| Y2 | 16+70.00 | -65.00 | 418264.5130 | 2524877.0501 |
| Y2 | 18+38.00 | -80.00 | 418216.5234 | 2525044.7163 |
| Y2 | 18+38.00 | -105.00 | 418239.5028 | 2525054.5625 |
| Y2 | 19+60.00 | -93.00 | 418174.9227 | 2525165.4189 |
| Y2 | 25+45.00 | 100.00 | 417685.3414 | 2525545.9592 |
| Y2 | 27+00.00 | 100.00 | 417590.8984 | 2525676.5641 |
| Y2 | 28+13.53 | -56.00 | 417659.9730 | 2525857.3061 |
| Y2 | 30+00.00 | -40.00 | 417548.9201 | 2526007.9478 |
| Y2 | 30+85.00 | 30.00 | 417444.8271 | 2526043.8595 |
| Y2 | 30+85.00 | 40.00 | 417436.3001 | 2526038.6355 |
| Y2 | 32+00.00 | -30.00 | 417435.9134 | 2526173.2641 |
| Y2 | 32+00.00 | -40.00 | 417444.4404 | 2526178.4881 |

FINAL ROW MARKER IRON PIN AND CAP-E

| ALIGN | STATION | OFFSET | NORTH | EAST |
|-------|----------|--------|-------------|--------------|
| Y2A | 10+53.00 | 30.00 | 418197.6090 | 2524647.8634 |
| Y2A | 11+56.52 | 30.00 | 418092.5974 | 2524722.1769 |
| Y2A | 14+84.49 | 30.00 | 417953.6915 | 2525019.2772 |
| Y2A | 17+32.77 | 30.00 | 417781.5298 | 2525097.0037 |
| Y2A | 32+69.25 | 30.00 | 416307.1541 | 2524664.5734 |
| Y2A | 34+08.76 | 30.00 | 416152.9257 | 2524663.6053 |
| Y2A | 35+21.22 | 30.00 | 416054.9065 | 2524668.2967 |
| Y2A | 45+00.00 | 45.00 | 415094.0780 | 2524481.1019 |
| Y2A | 45+00.00 | 30.00 | 415091.4355 | 2524495.8673 |

FINAL ROW MARKER IRON PIN AND CAP-E

| ALIGN | STATION | OFFSET | NORTH | EAST |
|-------|----------|--------|-------------|--------------|
| Y2B | 10+79.12 | -30.00 | 418277.3956 | 2524935.2560 |

FINAL ROW MARKER IRON PIN AND CAP-E

| ALIGN | STATION | OFFSET | NORTH | EAST |
|-------|----------|--------|-------------|--------------|
| Y2C | 10+75.00 | -30.00 | 417566.7641 | 2525765.4180 |
| Y2C | 12+48.00 | 47.00 | 417494.0335 | 2525586.7483 |
| Y2C | 12+48.00 | -47.00 | 417425.6671 | 2525651.2622 |
| Y2C | 12+48.00 | -30.00 | 417438.0312 | 2525639.5948 |
| Y2C | 13+48.00 | -47.00 | 417357.0353 | 2525578.5319 |
| Y2C | 13+48.00 | 47.00 | 417425.4017 | 2525514.0181 |

FINAL ROW MARKER IRON PIN AND CAP-E

| ALIGN | STATION | OFFSET | NORTH | EAST |
|-------|----------|--------|-------------|--------------|
| Y2D | 10+77.00 | 30.00 | 417715.0500 | 2525835.8121 |
| Y2D | 11+56.81 | 30.00 | 417802.2340 | 2525781.0400 |
| Y2D | 12+95.21 | 30.00 | 417876.5087 | 2525664.2591 |
| Y2D | 15+42.87 | 30.00 | 418056.7781 | 2525609.1460 |
| Y2D | 27+68.00 | 46.00 | 419173.5303 | 2526113.1830 |
| Y2D | 27+68.00 | 30.00 | 419179.9214 | 2526098.5149 |
| Y2D | 28+65.00 | 46.00 | 419262.4558 | 2526151.9291 |
| Y2D | 28+65.00 | 30.00 | 419268.8469 | 2526137.2610 |
| Y2D | 29+79.15 | 30.00 | 419373.4988 | 2526182.8592 |
| Y2D | 30+62.71 | 30.00 | 419421.3559 | 2526231.5321 |

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "R2514-9"

WITH NAD 83/NSRS 2007 STATE PLANE GRID COORDINATES OF
 NORTHING: 451335.4480 (ft) EASTING: 2526812.771 (ft)
 ELEVATION: 38.950 (ft)

THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.999887960

THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "GPS R2514-9" TO -L- STATION 12+00.00 IS
 S08°03'00.79"W 42,690.224'

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

NOTE: DRAWING NOT TO SCALE