


SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

| | |
|---|-----------------------|
| PROJECT REFERENCE NO. U-2579AB | SHEET NO. RW02C-11 |
| Location and Surveys | |
| INSERT CONSULTANT'S NAME | |
|  | |
| DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED | |

| BL POINT | DESC. | NORTH | EAST | ELEVATION |
|----------|--------|-------------|---------------|-----------|
| 509 | U2579B | 859156.6533 | 16665570.3378 | 870.59 |
| 510 | | 859156.6533 | 16665570.3378 | 870.59 |
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| 545 | | 859156.6533 | 16665570.3378 | 870.59 |
| 546 | | 859156.6533 | 16665570.3378 | 870.59 |
| 547 | | 859156.6533 | 16665570.3378 | 870.59 |
| 548 | | 859156.6533 | 16665570.3378 | 870.59 |
| 549 | | 859156.6533 | 16665570.3378 | 870.59 |
| 550 | | 859156.6533 | 16665570.3378 | 870.59 |
| 551 | | 859156.6533 | 16665570.3378 | 870.59 |
| 552 | | 859156.6533 | 16665570.3378 | 870.59 |
| 553 | | 859156.6533 | 16665570.3378 | 870.59 |
| 554 | | 859156.6533 | 16665570.3378 | 870.59 |
| 555 | | 859156.6533 | 16665570.3378 | 870.59 |
| 556 | | 859156.6533 | 16665570.3378 | 870.59 |

| BY4C POINT | DESC. | NORTH | EAST | ELEVATION |
|------------|----------|-------------|--------------|-----------|
| 509 | | 852375.1230 | 1663432.9180 | 932.75 |
| 154 | BY4C-154 | 852462.5976 | 1663666.8402 | 921.01 |
| 512 | | 853114.5030 | 1664138.0000 | 929.20 |
| 160 | BY5-160 | 852179.0400 | 1664414.3670 | 898.62 |
| 161 | BY5-161 | 851146.6960 | 1664552.9270 | 865.00 |
| 162 | BY5-162 | 850057.8280 | 1664774.4200 | 841.31 |
| 163 | BY5-163 | 849087.6290 | 1665037.8510 | 902.56 |
| 164 | BY5-164 | 848518.4290 | 1665122.4590 | 919.10 |
| 536 | | 848194.2435 | 1665212.5551 | UNKNOWN |
| 165 | BY5-165 | 847623.7088 | 1665371.1153 | 926.40 |
| 166 | BY5-166 | 847149.2839 | 1665749.7951 | 923.27 |
| 517 | | 851146.6960 | 1664552.9270 | 865.00 |
| 220 | BY5A-220 | 850792.8303 | 1664698.1885 | 849.70 |
| 320 | | 848487.4420 | 1666200.6740 | 892.90 |
| 321 | BY5B-321 | 848456.6580 | 1665885.9890 | 897.04 |
| 519 | | 848518.4290 | 1665122.4590 | 919.10 |
| 330 | | 848946.8610 | 1666151.0020 | 879.77 |
| 331 | BY5C-331 | 848617.5880 | 1666210.6650 | 889.38 |
| 520 | | 848487.4425 | 1666200.6745 | 892.90 |
| 510 | | 853969.2160 | 1663889.3990 | 957.72 |
| 170 | BY6-170 | 853469.0880 | 1663934.4780 | 942.83 |
| 171 | BY6-171 | 853474.6620 | 1663395.1040 | 959.43 |
| 513 | | 851995.3800 | 1664299.2450 | 890.61 |
| 190 | BY8-190 | 852040.0980 | 1663790.5820 | 911.73 |
| 514 | | 852040.0980 | 1663790.5820 | 911.83 |
| 201 | BY8A-201 | 851146.6300 | 1664018.3700 | 887.51 |

| BY1 POINT | DESC. | NORTH | EAST | ELEVATION |
|-----------|---------|-------------|--------------|-----------|
| 104 | BY1-104 | 857242.8930 | 1663435.6650 | 951.53 |
| 500 | | 855645.0410 | 1663688.1040 | 922.17 |
| 501 | | 855639.1410 | 1664196.0940 | 927.67 |
| 502 | | 855324.7940 | 1664547.9420 | 934.30 |
| 503 | | 855073.8800 | 1665231.9350 | 961.72 |
| 100 | BY1-100 | 854571.8670 | 1666249.9240 | 952.35 |

| BY6 POINT | DESC. | NORTH | EAST | ELEVATION |
|-----------|---------|-------------|--------------|-----------|
| 510 | | 853969.2160 | 1663889.3990 | 957.72 |
| 170 | BY6-170 | 853469.0880 | 1663934.4780 | 942.83 |
| 171 | BY6-171 | 853474.6620 | 1663395.1040 | 959.43 |

| BY2 POINT | DESC. | NORTH | EAST | ELEVATION |
|-----------|---------|-------------|--------------|-----------|
| 103 | BY1-103 | 855639.1410 | 1664196.0940 | 927.67 |
| 110 | BY2-110 | 855405.8850 | 1663914.3050 | 960.29 |
| 504 | | 855374.0970 | 1663613.8300 | 852.75 |
| 111 | BY2-111 | 855418.1420 | 1663248.6490 | 946.23 |

| BY7 POINT | DESC. | NORTH | EAST | ELEVATION |
|-----------|---------|-------------|--------------|-----------|
| 511 | | 853114.5030 | 1664138.0000 | 929.20 |
| 180 | BY7-180 | 853084.4040 | 1663698.5980 | 954.98 |

| BY3 POINT | DESC. | NORTH | EAST | ELEVATION |
|-----------|---------|-------------|--------------|-----------|
| 120 | BY3-120 | 855940.3580 | 1665783.6260 | 949.65 |
| 121 | BY3-121 | 855583.1670 | 1665004.2530 | 964.89 |
| 102 | | 855324.7940 | 1664547.9420 | 934.30 |
| 505 | BY1-102 | 854690.5660 | 1663824.0970 | 925.34 |

| BY8 POINT | DESC. | NORTH | EAST | ELEVATION |
|-----------|---------|-------------|--------------|-----------|
| 513 | | 851995.3800 | 1664299.2450 | 890.61 |
| 190 | BY8-190 | 852040.0980 | 1663790.5820 | 911.73 |

| BY4 POINT | DESC. | NORTH | EAST | ELEVATION |
|-----------|-----------|-------------|---------------|-----------|
| 133 | BY4-133 | 855856.4250 | 1666768.4070 | 927.57 |
| 134 | BY4-134 | 855492.5780 | 16666108.4490 | 961.42 |
| 101 | BY1-101 | 855073.8800 | 1665231.9350 | 961.72 |
| 1 | U2579AB-1 | 854771.4710 | 1664474.1940 | 938.94 |
| 506 | | 854405.0020 | 16633662.2770 | 960.72 |
| 2 | U2579AB-2 | 854170.1310 | 1663218.1620 | 960.11 |
| 131 | BY4-131 | 854095.4000 | 16628344.2340 | 960.17 |
| 132 | BY4-132 | 853648.2240 | 1662135.6990 | 955.81 |
| 135 | BY4-135 | 853414.3200 | 1661748.0470 | 952.11 |

| BY8A POINT | DESC. | NORTH | EAST | ELEVATION |
|------------|----------|-------------|--------------|-----------|
| 514 | | 852040.0980 | 1663790.5820 | 911.83 |
| 201 | BY8A-201 | 851146.6300 | 1664018.3700 | 887.51 |

| BY4A POINT | DESC. | NORTH | EAST | ELEVATION |
|------------|----------|-------------|--------------|-----------|
| 140 | BY4A-140 | 854880.0600 | 1661951.8680 | 954.17 |
| 507 | | 854095.4000 | 1662844.2340 | 964.78 |

| BY4B POINT | DESC. | NORTH | EAST | ELEVATION |
|------------|----------|-------------|--------------|-----------|
| 508 | | 854095.4000 | 1662844.2340 | 964.78 |
| 150 | BY4B-150 | 853372.2300 | 1662957.2470 | 957.31 |
| 151 | BY4B-151 | 852994.2320 | 1663036.0060 | 944.24 |
| 152 | BY4B-152 | 852703.1280 | 1663296.1300 | 941.01 |
| 153 | BY4B-153 | 852375.1230 | 1663432.9180 | 932.75 |

I, Michael L. Molsinger, PLS, certify that the Project Control was performed under my supervision from an actual GPS survey made under my supervision and the following information was used to perform the survey:

Class of survey: **AA**
 Type of GPS field procedure: Static
 Dates of survey: April 2007
 Datum/Epoch: NAD 83/95
 Published/Fixed-control use:
 Localized around: U2579C-1
 Northing: 876,419,285
 Easting: 1,651,591,602
 Combined grid factor: 0.99995453
 Geoid model: Geoid03
 Units: English

I also certify that the Baseline Control for this project was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:20,000 (Class AA) and Vertical accuracy to Class A. Field work was performed from January 2007 to April 2007, and all coordinates are based on NAD 83/2011 and all elevations are based on NAVD 88; that this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 23rd day of August, 2011.

DocuSigned by:
 Michael L. Molsinger
 Professional Land Surveyor L-3877



NOTES:

1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
2. THE SURVEY CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

REVISIONS

24-AUG-2011 09:28
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