

SURVEY CONTROL SHEET

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| PROJECT REFERENCE NO. | SHEET NO. |
| U-3440 | 1 C-2 |
| Location and Surveys | |

| BL POINT | DESC. | NORTH | EAST | ELEVATION | L STATION | OFFSET |
|----------|--------|-------------|--------------|-----------|------------------------|----------|
| 6 | BL-6 | 637516.4630 | 1502070.3650 | 818.84 | OUTSIDE PROJECT LIMITS | |
| 5 | BL-5 | 637496.7280 | 1502441.1870 | 823.93 | 12+16.97 | 45.27 LT |
| 7 | BL-7 | 637269.5560 | 1502864.5220 | 825.10 | 16+86.08 | 53.73 RT |
| 8 | BL-8 | 637183.1790 | 1503300.4470 | 808.81 | 21+29.86 | 35.54 RT |
| 9 | BL-9 | 637054.4130 | 1504200.1330 | 758.30 | 30+34.68 | 50.03 LT |
| JAS55 | 55 JAS | 636812.3010 | 1505154.0690 | 713.02 | 40+20.57 | 7.31 LT |
| 10 | BL-10 | 636782.6820 | 1505440.1260 | 717.05 | 43+08.58 | 9.57 LT |
| 11 | BL-11 | 636763.8530 | 1506023.0010 | 729.78 | 48+91.99 | 25.30 LT |
| 12 | BL-12 | 636683.6370 | 1506455.1630 | 717.25 | 53+27.94 | 31.61 RT |
| 13 | BL-13 | 636654.6540 | 1507086.3410 | 684.88 | 59+60.37 | 8.23 RT |
| 14 | BL-14 | 636547.1510 | 1507771.2200 | 667.34 | 66+52.61 | 45.97 RT |
| 15 | BL-15 | 636512.9610 | 1508630.2790 | 679.98 | 75+05.52 | 39.87 RT |
| 16 | BL-16 | 636679.8670 | 1509204.6930 | 713.05 | 80+95.92 | 26.56 RT |
| 17 | BL-17 | 637225.9410 | 1509926.5270 | 713.68 | 90+00.41 | 8.79 RT |
| 18 | BL-18 | 637645.4970 | 1510270.5790 | 715.95 | 95+40.46 | 43.56 LT |
| 19 | BL-19 | 637994.0830 | 1510676.7670 | 729.07 | 100+74.09 | 1.80 LT |
| 20 | BL-20 | 638286.1550 | 1510902.2020 | 735.32 | 104+40.11 | 48.21 LT |
| 21 | BL-21 | 638656.3750 | 1511333.2740 | 719.50 | 110+06.57 | 4.39 LT |
| 22 | BL-22 | 639134.2250 | 1511758.6660 | 703.11 | 116+43.85 | 59.21 LT |
| 23 | BL-23 | 639393.1340 | 1512174.8620 | 717.79 | 121+25.24 | 12.39 LT |
| 24 | BL-24 | 639505.4600 | 1512413.4740 | 727.62 | 123+87.90 | 5.46 LT |
| 25 | BL-25 | 639830.4990 | 1513150.0260 | 758.25 | 131+92.89 | 38.56 LT |
| 26 | BL-26 | 640104.3300 | 1513948.6150 | 781.93 | 140+34.36 | 35.24 RT |
| 27 | BL-27 | 640310.1460 | 1514283.8700 | 799.75 | 144+24.78 | 13.61 LT |
| 28 | BL-28 | 640517.4440 | 1514737.4970 | 823.19 | 149+23.43 | 23.73 LT |

| BY7 POINT | DESC. | NORTH | EAST | ELEVATION | Y7 STATION | OFFSET |
|-----------|--------|-------------|--------------|-----------|------------------------|-----------|
| E015 | BL-15 | 636512.9610 | 1508630.2790 | 679.98 | 10+34.14 | 154.98 LT |
| 37 | BY7-37 | 636102.3270 | 1508215.3120 | 670.75 | OUTSIDE PROJECT LIMITS | |

| BY8 POINT | DESC. | NORTH | EAST | ELEVATION | Y8 STATION | OFFSET |
|-----------|--------|-------------|--------------|-----------|------------------------|----------|
| E018 | BL-18 | 637645.4970 | 1510270.5790 | 715.95 | OUTSIDE PROJECT LIMITS | |
| 38 | BY8-38 | 637469.5210 | 1510460.0800 | 740.04 | 12+13.81 | 11.38 RT |

| BY9 POINT | DESC. | NORTH | EAST | ELEVATION | Y9 STATION | OFFSET |
|-----------|---------|-------------|--------------|-----------|------------------------|-----------|
| 39 | BY9-39 | 638006.1570 | 1510433.4580 | 724.85 | 11+32.39 | 10.38 LT |
| E019 | BL-19 | 637994.0830 | 1510676.7670 | 729.07 | 13+28.57 | 102.17 LT |
| 55 | BY19-55 | 637957.4880 | 1511005.0220 | 735.99 | OUTSIDE PROJECT LIMITS | |

| BY10 POINT | DESC. | NORTH | EAST | ELEVATION | STATION | OFFSET |
|------------|---------|-------------|--------------|-----------|------------------------|----------|
| 53 | BY10-53 | 638380.7180 | 1510332.1710 | 743.70 | Y10 10+55.18 | 19.82 LT |
| 40 | BY10-40 | 638311.5620 | 1510621.4790 | 749.03 | Y10 13+51.08 | 12.88 RT |
| E020 | BL-20 | 638286.1550 | 1510902.2020 | 735.32 | Y10 16+31.38 | 17.07 LT |
| 54 | BY19-54 | 638169.0640 | 1511039.5620 | 745.69 | Y11 11+11.05 | 70.92 RT |
| 51 | BY10-51 | 638173.4180 | 1511295.8310 | 755.84 | Y11 13+62.27 | 14.10 RT |
| 52 | BY10-52 | 638108.5900 | 1511578.5790 | 760.16 | OUTSIDE PROJECT LIMITS | |

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 BM7 ELEVATION = 667.58
 N 636558 E 1507238
 L STATION 61+21 89 RIGHT
 RR SPIKE IN BASE OF 30' OAK

 BM8 ELEVATION = 667.83
 N 636530 E 1507985
 L STATION 68+67 41 RIGHT
 NCSHC 7-LB-5 1973

 BM9 ELEVATION = 685.04
 N 636608 E 1508739
 L STATION 76+27 39 LEFT
 RR SPIKE IN BASE OF 36' OAK

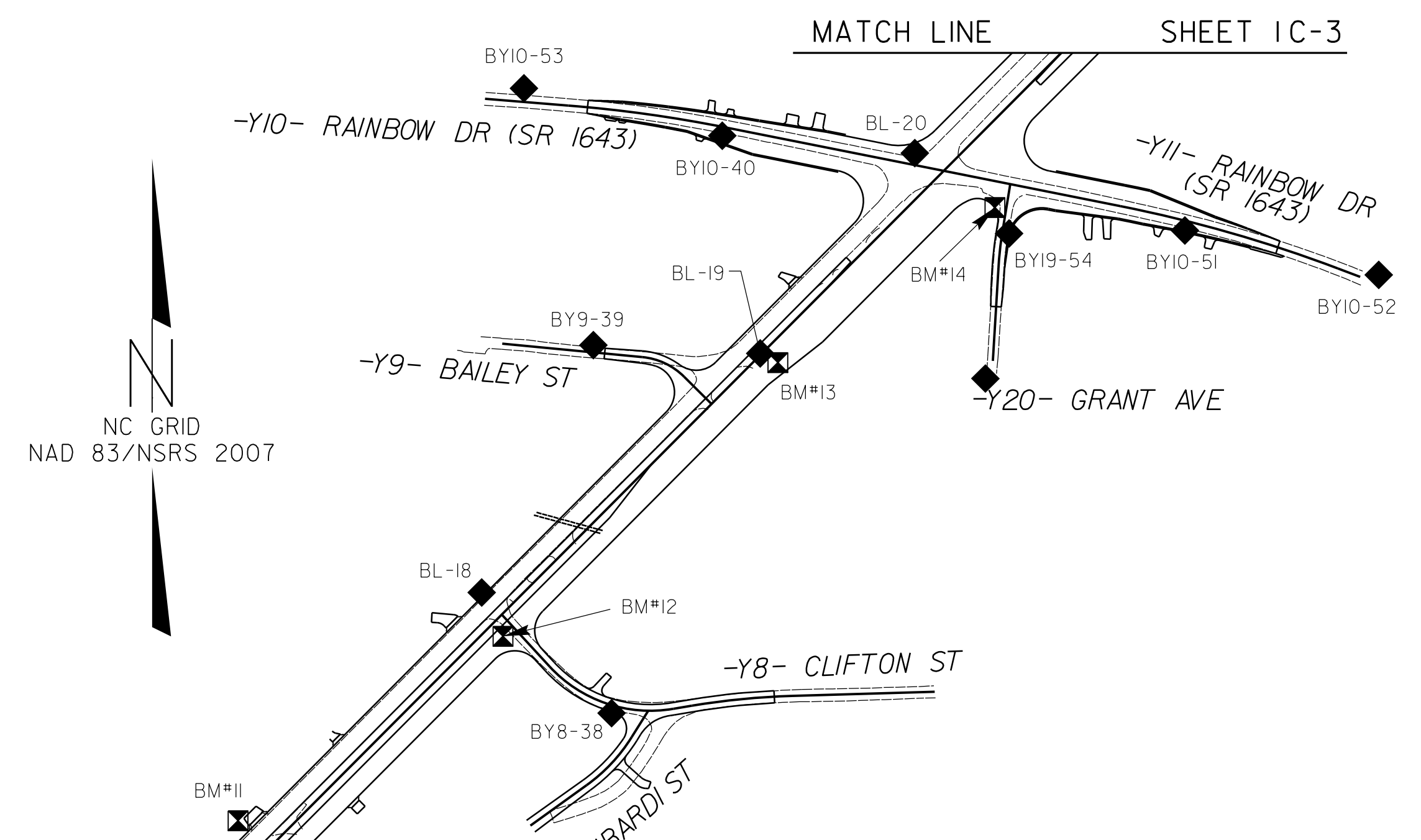
 BM10 ELEVATION = 716.60
 N 636839 E 1509337
 L STATION 82+86 59 LEFT
 RR SPIKE IN BASE OF 14' OAK

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 BM11 ELEVATION = 715.30
 N 637313 E 1509916
 L STATION 90+54 60 LEFT
 RR SPIKE IN BASE OF POWER POLE

 BM12 ELEVATION = 722.81
 N 637582 E 1510302
 L STATION 95+17 24 RIGHT
 RR SPIKE IN BASE OF POWER POLE

 BM13 ELEVATION = 729.43
 N 637981 E 1510703
 L STATION 100+83 26 RIGHT
 RR SPIKE IN BASE OF POWER POLE

 BM14 ELEVATION = 744.58
 N 638207 E 1511019
 Y11 STATION 10+84 38 RIGHT
 RR SPIKE IN BASE OF POWER POLE



DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "49 JAS" WITH NAD 83/NSRS 2007 STATE PLANE GRID COORDINATES OF NORTHING: 639143.117(ft) EASTING: 1511823.969(ft) ELEVATION: 703.19(ft)

THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.9998490

THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "49 JAS" TO -L- STATION 10+00.00 IS S 80°24'27.9" W 9739.346

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

- NOTES:**
- THE CONTROL DATA FOR THIS PROJECT CAN BE FOUND ELECTRONICALLY BY SELECTING PROJECT CONTROL DATA AT: [HTTPS://CONNECT.NCDOT.GOV/RESOURCES/LOCATION](https://connect.ncdot.gov/resources/location)
 - SITE CALIBRATION INFORMATION HAS NOT BEEN PROVIDED FOR THIS PROJECT. IF FURTHER INFORMATION IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
 - PROJECT CONTROL ESTABLISHED USING GLOBAL POSITIONING SYSTEM, UTILIZING THE NCGS RTN SYSTEM (VRS).
- MONUMENTS USED OR SET FOR PROJECT CONTROL BY THE NCDOT LOCATION AND SURVEYS UNIT:
- ◆ INDICATES GEODETIC CONTROL MONUMENTS FOR HORIZONTAL & VERTICAL CONTROL
 - INDICATES BASELINE MONUMENTS FOR HORIZONTAL PROJECT CONTROL
 - ⊠ INDICATES BENCHMARKS FOR VERTICAL PROJECT CONTROL

NOTE: DRAWING NOT TO SCALE

5/2/214
 8/7/2016
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