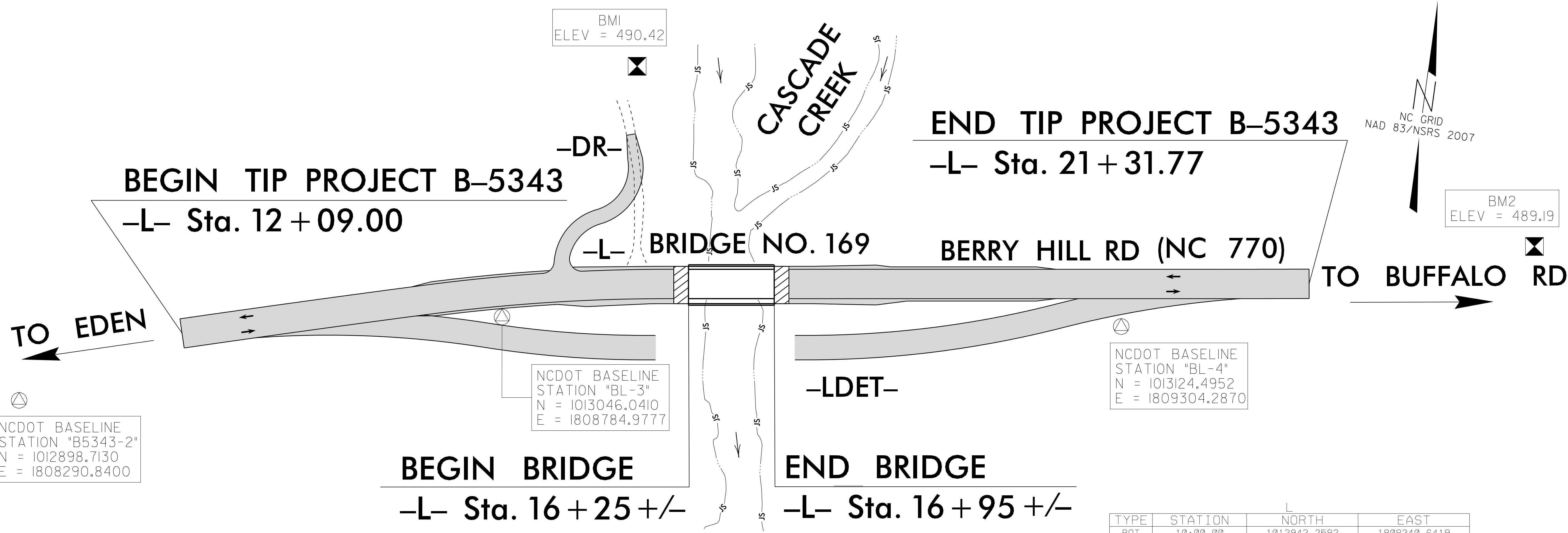


12/01/2005

B-5343 SURVEY CONTROL SHEET

| | |
|-----------------------|-----------|
| PROJECT REFERENCE NO. | SHEET NO. |
| B-5343 | 1C-1 |
| Location and Surveys | |



NCDOT BASELINE STATION "B5343-2"
N = 1012898.7130
E = 1808290.8400

NCDOT BASELINE STATION "BL-3"
N = 1013046.0410
E = 1808784.9777

NCDOT BASELINE STATION "BL-4"
N = 1013124.4952
E = 1809304.2870

BASELINE DATA

| BL POINT | DESC. | NORTH | EAST | ELEVATION | L STATION | OFFSET |
|----------|---------|--------------|--------------|-----------|------------------------|----------|
| 1 | B5343-1 | 1012775.9310 | 1807503.7310 | 515.50 | OUTSIDE PROJECT LIMITS | |
| 2 | B5343-2 | 1012898.7130 | 1808290.8400 | 491.43 | OUTSIDE PROJECT LIMITS | |
| 3 | BL-3 | 1013046.0410 | 1808784.9777 | 487.78 | 14+56.40 | 21.43 RT |
| 4 | BL-4 | 1013124.4952 | 1809304.2870 | 487.39 | 19+83.95 | 21.51 RT |

BENCHMARK DATA

| | |
|--------------------------------|-------------------------------|
| BMI ELEVATION = 490.42 | BM2 ELEVATION = 489.19 |
| N 1013268 E 1808880 | N 1013221 E 1809626 |
| -L- STATION 15+85.58 178' LEFT | BL STATION 5+00.00 |
| 600 NAIL IN BASE OF 24" OAK | N 78°09'10.31" E DIST 2168.46 |
| | 600 NAIL IN BASE OF 20" ASH |

NOTES

- THE CONTROL DATA FOR THIS PROJECT CAN BE FOUND ELECTRONICALLY BY SELECTING PROJECT CONTROL DATA AT:
[HTTP://WWW.DOH.DOT.STATE.NC.US/PRECONSTRUCT/HIGHWAY/LOCATION/PROJECT/](http://www.doh.dot.state.nc.us/preconstruct/highway/location/project/)
THE FILES TO BE FOUND ARE AS FOLLOWS:
b5343_ls_control.txt
SITE CALIBRATION INFORMATION HAS NOT BEEN PROVIDED FOR THIS PROJECT. IF FURTHER INFORMATION IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "B5343-2" WITH NAD 83/NSRS 2007 STATE PLANE GRID COORDINATES OF NORTHING: 1012898.7130(ft) EASTING: 1808290.8400(ft) ELEVATION: 491.43'(ft)
THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 1.0001037555
THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "B5343-2" TO -L- STATION 12+09.00 IS N 67°46'03" E 270.75'
ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NAVD 88

| TYPE | STATION | NORTH | EAST |
|------|----------|--------------|--------------|
| POT | 10+00.00 | 1012943.2582 | 1808340.6419 |
| PC | 11+90.95 | 1012996.1653 | 1808524.1142 |
| PCC | 14+11.89 | 1013055.8177 | 1808736.8510 |
| PT | 16+07.08 | 1013094.7513 | 1808927.9773 |
| PC | 20+60.23 | 1013156.1421 | 1809376.9505 |
| PT | 21+35.48 | 1013166.5000 | 1809451.4855 |
| POT | 23+56.00 | 1013197.3307 | 1809669.8359 |

-L- FINAL DRAINAGE UTILITY EASEMENT

| ALIGN | STATION | OFFSET | NORTH | EAST |
|-------|----------|--------|--------------|--------------|
| L | 15+90.00 | -45.00 | 1013136.8537 | 1808904.4632 |
| L | 17+15.00 | -45.00 | 1013153.9567 | 1809028.8045 |
| L | 17+15.00 | -31.43 | 1013140.5078 | 1809030.6435 |
| L | 16+07.08 | -45.00 | 1013139.3364 | 1808921.8809 |
| L | 15+90.00 | -32.26 | 1013124.2517 | 1808906.3328 |
| L | 15+90.00 | 27.74 | 1013064.9011 | 1809915.1377 |
| L | 15+90.00 | 45.00 | 1013047.8280 | 1808917.6706 |
| L | 16+07.08 | 45.00 | 1013050.1661 | 1808934.0737 |
| L | 17+15.00 | 45.00 | 1013064.7865 | 1809040.9973 |
| L | 17+15.00 | 28.58 | 1013081.0539 | 1809038.7730 |

-L- FINAL NEW PERMANENT DRAINAGE EASEMENT

| ALIGN | STATION | OFFSET | NORTH | EAST |
|-------|----------|--------|--------------|--------------|
| L | 13+01.00 | 30.04 | 1012997.3478 | 1808638.0788 |
| L | 13+05.00 | 73.85 | 1012956.2371 | 1808653.7416 |
| L | 13+40.00 | 74.65 | 1012964.8223 | 1808687.5030 |
| L | 13+36.00 | 30.08 | 1013006.7019 | 1808671.7329 |

INDICATES GEODETIC CONTROL MONUMENTS USED OR SET FOR HORIZONTAL PROJECT CONTROL BY THE NCDOT LOCATION AND SURVEYS UNIT.
PROJECT CONTROL ESTABLISHED USING GLOBAL POSITIONING SYSTEM.

NOTE: DRAWING NOT TO SCALE

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