

SURVEY CONTROL SHEET W-5313

POINT	DESC.	NORTH	EAST	ELEVATION	L STATION	OFFSET
14	W5313-14	649727.6110	1539261.0580	815.47	12+55.55	1172.64 RT
13	W5313-13	649924.8040	1540507.7890	821.85	17+10.82	32.95 RT
20	BL-20	649506.3870	1541121.0324	828.65	24+48.08	20.55 RT
21	BL-21	649173.0122	1541786.0469	823.20	31+93.11	23.61 RT
12	W5313-12	648731.0490	1542690.2790	828.97	41+95.97	29.36 RT
11	W5313-11	648324.1390	1544072.4390	817.89	56+38.78	34.10 LT
22	BL-22	647865.9019	1544927.6109	814.88	66+07.56	19.70 RT
23	BL-23	647435.6861	1545909.8204	822.25	76+79.13	20.02 LT
24	BL-24	646843.3211	1546830.6598	784.72	87+73.22	20.75 LT
25	BL-25	646080.3244	1547830.4433	755.72	100+28.63	23.58 RT
10	W5313-10	645689.8760	1548937.2610	721.61	112+01.65	19.86 RT
9	W5313-9	645176.8180	1550175.1980	704.75	125+38.59	27.78 RT
26	BL-26	645217.6326	1551096.4790	736.39	134+55.99	18.66 LT
27	BL-27	645186.1608	1551804.1469	771.12	141+63.31	19.87 RT
28	BL-28	645287.7892	1552384.8128	779.07	147+45.95	35.56 RT
29	BL-29	645952.3155	1553051.3346	773.21	156+78.75	19.63 LT
30	BL-30	646462.4955	1554074.1830	779.35	168+19.83	22.11 LT
31	BL-31	646681.3768	1554657.5325	749.10	174+42.88	17.51 LT
32	BL-32	647070.6648	1555825.4985	735.86	186+73.49	14.91 LT
8	W5313-8	647427.9170	1557159.4160	757.57	200+53.94	21.20 RT
7	W5313-7	647780.6750	1558195.6300	759.44	211+45.12	24.50 RT
33	BL-33	648437.5705	1558962.2841	781.21	221+48.54	25.08 LT
34	BL-34	648812.2477	1560047.4837	801.91	232+93.73	6.10 RT
35	BL-35	649225.3789	1560910.8354	803.54	242+48.52	28.69 LT
36	BL-36	649377.3748	1561914.0963	808.05	252+60.34	19.52 RT
37	BL-37	649540.5403	1562740.4092	791.71	261+01.41	17.36 LT
6	W5313-6	649469.1860	1563335.3260	794.41	266+99.08	17.84 RT
5	W5313-5	649333.8700	1564718.3080	772.16	280+88.66	20.43 RT
38	BL-38	649312.3175	1565344.3977	766.48	287+13.95	17.92 LT
39	BL-39	649227.3622	1566061.3576	789.72	294+34.69	18.31 LT
40	BL-40	649106.9296	1566674.2592	776.12	300+58.19	17.80 RT
41	BL-41	649143.7038	1567388.4709	799.42	307+70.70	28.46 LT
42	BL-42	649006.3712	1568425.6106	788.56	318+14.73	19.94 RT
43	BL-43	648925.8474	1569418.8073	760.44	328+10.18	21.86 RT
44	BL-44	648958.7243	1570264.9964	766.91	336+55.46	22.54 LT
4	W5313-4	648852.7910	1570870.9060	751.80	342+71.19	22.36 RT
3	W5313-3	648465.2540	1571906.9580	732.91	353+82.05	20.70 RT
45	BL-45	648230.7159	1572547.4498	757.95	360+60.87	21.10 RT
46	BL-46	648220.4435	1573539.1161	746.87	370+49.66	23.85 LT
47	BL-47	648128.9379	1574511.1838	743.20	380+25.02	20.41 RT
48	BL-48	648095.9897	1575332.3084	747.24	388+44.44	20.33 LT
49	BL-49	647634.5335	1576194.7392	702.73	398+19.70	17.68 RT
2	W5313-2	647224.2840	1577006.2700	743.42	407+31.32	7.56 RT
1	W5313-1	647341.8060	1578165.3090	754.87	418+98.21	19.46 LT

 BM1 ELEVATION = 801.11
 N 649427 E 1540161
 L STATION 18+09.00 628 RIGHT
 R/R SPIKE SET IN 48" WILLOW OAK ON EAST SIDE OF OLD MEADOW LN.

 BM2 ELEVATION = 829.73
 N 648287 E 1542265
 L STATION 39+78.00 592 RIGHT
 CHISLED SQUARE IN SOUTHERN (BELL) END OF 12' CONC DRIVEWAY PIPE LEADING TO 4945 MOOSE RD. SR 1308

 BM3 ELEVATION = 817.94
 N 647416 E 1545717
 L STATION 75+15.00 82 RIGHT
 R/R SPIKE SET IN ROOT OF 18" OAK ON SOUTH SIDE OF OLD BEATTY FORD RD.
 ACROSS FROM C. J. AUTO REPAIR 5710 OLD BEATTY FORD RD.

 BM4 ELEVATION = 730.55
 N 645934 E 1548685
 L STATION 108+84.00 125 LEFT
 R/R SPIKE SET IN BASE OF 15' CEDAR APPROX. 120' FROM NORTH EP OF OLD BEATTY FORD RD. DOWN PVT GRAVEL DRIVE ACROSS FROM CHAPMAN FARM RD.

 BM5 ELEVATION = 776.61
 N 645130 E 1551686
 L STATION 140+45.00 75 RIGHT
 R/R SPIKE SET IN BASE OF 24" OAK ON SOUTH SIDE OF OLD BEATTY FORD RD.

 BM6 ELEVATION = 775.86
 N 646358 E 1554174
 L STATION 168+76.00 111 RIGHT
 R/R SPIKE SET ON ROOT OF 24" WILLOW OAK 105' FROM SOUTH EP OF OLD BEATTY FORD RD. JUST EAST OF COUNTRY RIDGE RD. AND WEST OF THE DRIVE FOR 7265 OLD BEATTY FORD RD.

 BM7 ELEVATION = 751.48
 N 647331 E 1557233
 L STATION 200+97.00 135 RIGHT
 R/R SPIKE SET IN BASE OF 24" CEDAR 125' FROM SOUTH EP AND JUST EAST OF DRIVE FOR 7795 OLD BEATTY FORD RD.

 BM8 ELEVATION = 792.30
 N 648539 E 1559624
 L STATION 228+06.00 106 RIGHT
 R/R SPIKE SET IN BASE OF 48" MAPLE NEAR OLD TOBACCO BARN AND LARGE STONE OUTCROP 120' FROM SOUTH EP OF OLD BEATTY FORD RD.

 BM9 ELEVATION = 796.31
 N 649554 E 1563511
 L STATION 268+66.00 83 LEFT
 R/R SPIKE SET IN BASE OF 36" OAK ON EAST SIDE OF DRIVE LEADING TO 9090 OLD BEATTY FORD RD.

 BM10 ELEVATION = 798.32
 N 649066 E 1567393
 L STATION 307+78.00 49 RIGHT
 NCGS MON 'ROW 17' SET IN CONC BASE OF CITGO SIGN IN THE SE QUADRANT OF THE INTERSECTION OF OLD BEATTY FORD AND ORGAN CHURCH RD. WITH PROJECT RELATED ELEV. APPLIED

 BM11 ELEVATION = 768.24
 N 649004 E 1570115
 L STATION 335+05.00 67 LEFT
 R/R SPIKE SET IN BASE OF 18" OAK JUST WEST OF 10104 OLD BEATTY FORD RD. AND 66' FROM NORTH EP

 BM12 ELEVATION = 754.47
 N 648187 E 1572782
 BL STATION 364+15.00 42 RIGHT
 R/R SPIKE SET IN BASE OF 30" MAPLE ON SOUTH SIDE OF OLD BEATTY FORD RD. AND 40' FROM EP

 BM13 ELEVATION = 735.76
 N 648094 E 1575568
 BL STATION 391+79.00 109 LEFT
 R/R SPIKE SET IN BASE OF 36" OAK 115' FROM NORTH EP OF OLD BEATTY FORD RD. AND WEST OF WIND SWEEP WAY (PVT)

POINT	DESC.	NORTH	EAST	ELEVATION	Y4 STATION	OFFSET
63	BY8-63	646022.4732	1552695.4886	779.04	OUTSIDE PROJECT LIMITS	
E0100	POINT NOT SET	645576.7118	1552674.6030	UNKNOWN	10+58.00	78.29 RT
64	BY8-64	645129.5328	1552653.6510	782.50	OUTSIDE PROJECT LIMITS	

POINT	DESC.	NORTH	EAST	ELEVATION	Y6 STATION	OFFSET
59	BY11-59	649083.3313	1559949.3482	816.38	OUTSIDE PROJECT LIMITS	
34	BL-34	648812.2477	1560047.4837	801.91	10+06.10	62.27 RT
58	BY11-58	648304.9426	1560003.4796	792.78	15+75.02	17.98 RT

POINT	DESC.	NORTH	EAST	ELEVATION	L STATION	OFFSET
60	BY12-60	649327.5747	1567781.3202	797.79	311+43.17	239.46 LT
41	BL-41	649143.7038	1567388.4709	799.42	307+70.70	28.46 LT
61	BY12-61	648900.9752	1567104.8853	787.88	304+89.76	219.11 RT

POINT	DESC.	NORTH	EAST	ELEVATION	Y8 STATION	OFFSET
62	BY13B-62	647558.7471	1577413.5075	725.96	OUTSIDE PROJECT LIMITS	
2	W5313-2	647224.2840	1577006.2700	743.42	11+05.25	471.91 RT

POINT	DESC.	NORTH	EAST	ELEVATION	L STATION	OFFSET
50	BY1-50	650613.2683	1540122.8333	826.76	OUTSIDE PROJECT LIMITS	
13	W5313-13	649924.8040	1540507.7890	821.85	17+10.82	32.95 RT

POINT	DESC.	NORTH	EAST	ELEVATION	L STATION	OFFSET
51	BY2-51	649233.2716	1542420.5105	819.39	37+24.40	328.38 LT
12	W5313-12	648731.0490	1542690.2790	828.97	41+95.97	29.36 RT

POINT	DESC.	NORTH	EAST	ELEVATION	L STATION	OFFSET
12	W5313-12	648731.0490	1542690.2790	828.97	41+95.97	29.36 RT
52	BY3-52	648461.4652	1542410.9238	829.96	40+35.03	375.93 RT

POINT	DESC.	NORTH	EAST	ELEVATION	L STATION	OFFSET
12	W5313-12	648731.0490	1542690.2790	828.97	41+95.97	29.36 RT
53	BY4-53	648503.7390	1543036.4014	826.62	45+82.12	167.47 RT

POINT	DESC.	NORTH	EAST	ELEVATION	Y2 STATION	OFFSET
54	BY5-54	648746.1693	1543664.0707	820.99	10+09.83	16.04 LT
11	W5313-11	648324.1390	1544072.4390	817.89	OUTSIDE PROJECT LIMITS	

POINT	DESC.	NORTH	EAST	ELEVATION	L STATION	OFFSET
55	BY6-55	648607.0476	1544298.4779	808.87	57+26.40	385.46 LT
11	W5313-11	648324.1390	1544072.4390	817.89	56+38.78	34.10 LT
56	BY6-56	647901.9327	1543949.4321	810.50	57+02.85	400.97 RT

POINT	DESC.	NORTH	EAST	ELEVATION	L STATION	OFFSET
22	BL-22	647865.9019	1544927.6109	814.88	66+07.56	19.70 RT
57	BY7-57	647789.1231	1544564.2235	815.72	63+12.17	246.74 RT

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCGS FOR MONUMENT "I3802-12" WITH NAD 83/NSRS 2007 STATE PLANE GRID COORDINATES OF NORTHING: 641735.246(++) EASTING: 1535065.380(++) ELEVATION: 708.81(++)

THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99985319

THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "I3802-12" TO -L- STATION 10+00.00 IS 13802-12 10,166.40

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

NOTES:

- THE SITE CALIBRATION SHOWN IS BASED UPON A NETWORK TIED TO THE HARN (HIGH ACCURACY REFERENCE NETWORK) NAD 83/NSRS 2007 ADJUSTMENT. THIS CALIBRATION WILL ALLOW THE END USER TO WORK WITHIN THE SAME COORDINATE SYSTEM WHEN USING RTK (REAL TIME KINEMATIC) GPS AND A LOCAL BASE STATION. IF ANOTHER SYSTEM SUCH AS VRS (VIRTUAL REFERENCE STATION) IS USED, ADDITIONAL FIELD TIES MAY BE NEEDED TO REDUCE POSSIBLE ERRORS, OR BIASES.
- 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/)
 THE FILES TO BE FOUND ARE AS FOLLOWS:
 W5313_LS_GPSALIB.HTML
 W5313_LS_WGS84.TXT
 W5313_LS_LOCAL.TXT
 W5313_LS_CONTROL.TXT
 THE WGS84 AND LOCAL FILES ARE COMMA DELIMITED AND CAN BE USED TO REPRODUCE THE SITE CALIBRATION FOR THE END USER'S GPS EQUIPMENT. IF FURTHER INFORMATION IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

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