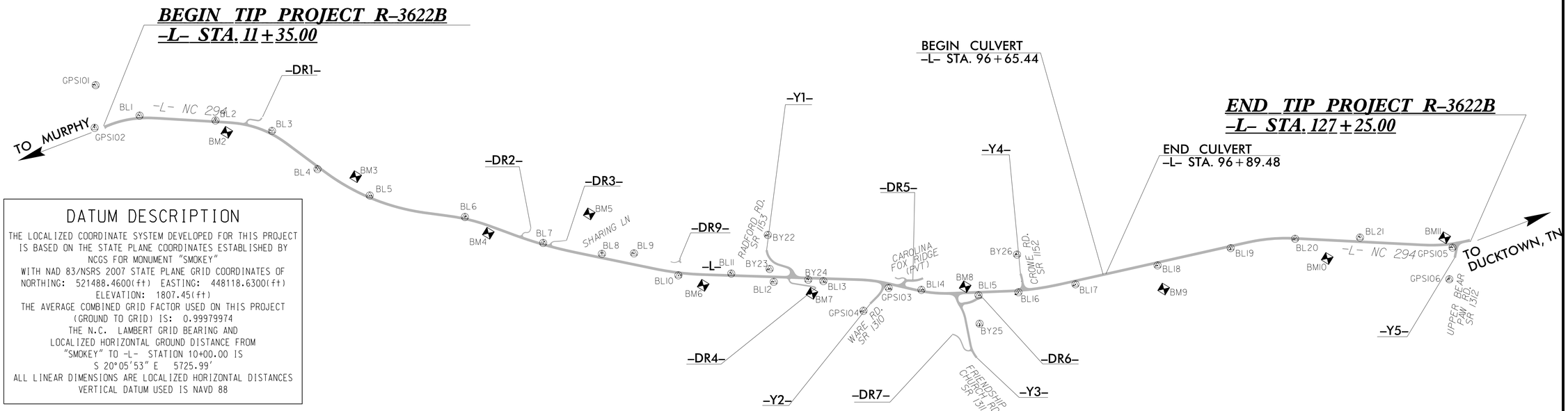
PROJECT REFERENCE NO.	SHEET NO.
R-3622B	1C-1
Location and Surveys	

SURVEY CONTROL SHEET R-3622B



DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCGS FOR MONUMENT "SMOKEY"
WITH NAD 83/NSRS 2007 STATE PLANE GRID COORDINATES OF
NORTHING: 521488.4600(ft) EASTING: 448118.6300(ft)
ELEVATION: 1807.45(ft)
THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99979974
THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "SMOKEY" TO -L- STATION 10+00.00 IS
S 20°05'53" E 5725.99'
ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
VERTICAL DATUM USED IS NAVD 88

BASELINE DATA

BL

POINT	DESC.	NORTH	EAST	ELEVATION	L STATION	OFFSET
GPS102	GPS-102	516120.3300	450019.6587	1591.51	10+60.94	28.34 LT
BL1	BL-1	516383.0242	449739.2084	1593.96	14+38.75	20.92 LT
BL2	BL-2	516937.1029	449445.4691	1596.64	20+63.50	10.33 LT
BL3	BL-3	517379.1091	449274.4887	1600.27	25+33.54	24.76 LT
BL4	BL-4	517864.0485	449346.5083	1600.69	30+19.45	17.77 RT
BL5	BL-5	518344.5709	449306.1925	1610.80	35+02.11	16.00 LT
BL6	BL-6	519105.9806	449045.6393	1641.91	43+12.91	14.96 LT
BL7	BL-7	519768.0565	448890.2807	1663.23	49+92.28	11.80 LT
BL8	BL-8	520227.6549	448712.7440	1695.54	54+86.06	32.59 LT
BL9	BL-9	520450.8535	448570.4003	1716.30	57+44.41	90.33 LT
BL10	BL-10	520857.8514	448533.1796	1742.84	61+38.13	21.75 RT
BL11	BL-11	521221.4639	448292.3159	1769.05	65+71.69	16.00 LT
BL12	BL-12	521555.8558	448166.7511	1786.35	69+24.32	40.86 RT
BL13	BL-13	521900.7454	447947.0865	1768.73	73+32.76	21.22 RT
GPS103	GPS-103	522388.7173	447712.7217	1791.89	78+81.02	34.04 RT
BL14	BL-14	522627.3231	447585.1054	1788.81	81+48.35	9.91 LT
BL15	BL-15	523051.4142	447375.8733	1764.29	86+21.51	24.14 RT
BL16	BL-16	523319.1122	447182.0673	1742.86	89+51.31	13.73 RT
BL17	BL-17	523685.3381	446880.2061	1716.39	94+23.50	27.79 RT
BL18	BL-18	524180.4464	446392.4640	1695.20	101+18.48	23.38 RT
BL19	BL-19	524618.7361	445954.8748	1692.37	107+37.77	15.31 RT
BL20	BL-21	525030.8359	445611.0944	1690.00	112+78.48	2.85 RT
BL21	BL-21	525481.2416	445321.8763	1677.90	118+12.45	34.61 LT
GPS105	GPS-105	526174.4484	444992.4680	1663.74	125+74.02	31.71 RT

BY1

POINT	DESC.	NORTH	EAST	ELEVATION	Y1 STATION	OFFSET
BY22	BY-22	521310.9585	447862.9603	1825.74	OUTSIDE PROJECT LIMITS	
BY23	BY-23	521470.7095	448094.3653	1809.90	11+22.73	65.46 RT
BY24	BY-24	521788.7651	448002.9957	1774.15	OUTSIDE PROJECT LIMITS	

BY2

POINT	DESC.	NORTH	EAST	ELEVATION	Y2 STATION	OFFSET
GPS104	GPS-104	522310.7687	447982.42074	1779.69	OUTSIDE PROJECT LIMITS	

BY3

POINT	DESC.	NORTH	EAST	ELEVATION	Y3 STATION	OFFSET
BY25	BY-25	523182.3779	447571.4893	1793.82	12+90.34	107.32 LT

BY4

POINT	DESC.	NORTH	EAST	ELEVATION	Y4 STATION	OFFSET
BY26	BY-26	523146.1893	446923.7991	1730.91	OUTSIDE PROJECT LIMITS	

BY5

POINT	DESC.	NORTH	EAST	ELEVATION	Y5 STATION	OFFSET
GPS106	GPS-106	526289.1314	445228.9723	1663.87	OUTSIDE PROJECT LIMITS	

BENCHMARK DATA

BM2 ELEVATION = 1606.54
N 517068 E 449480
L3 STATION 21+63.00 82 RIGHT
RR SPIKE IN 30" POPLAR

BM5 ELEVATION = 1677.38
N 519966 E 448487
L3 STATION 53+17.00 334 LEFT
RR SPIKE IN 14" PINE

BM8 ELEVATION = 1764.92
N 522921 E 447374
L3 STATION 85+14.00 50 LEFT
RR SPIKE IN 18" POPLAR

BM11 ELEVATION = 1665.59
N 526077 E 444957
L3 STATION 125+19.00 56 LEFT
RR SPIKE IN 24" CHERRY

BM3 ELEVATION = 1599.76
N 518165 E 449234
L3 STATION 33+24.00 105 LEFT
RR SPIKE IN 36" POPL;AR

BM6 ELEVATION = 1765.73
N 521075 E 448496
L3 STATION 63+44.00 89 RIGHT
RR SPIKE IN 15" WHITE OAK

BM9 ELEVATION = 1702.98
N 524326 E 446532
L3 STATION 101+25.00 225 RIGHT
RR SPIKE IN 36" TRIPLE POPLAR

BM4 ELEVATION = 1659.11
N 519341 E 449059
L3 STATION 45+39.00 60 RIGHT
RR SPIKE IN 12" HICKORY

BM7 ELEVATION = 1780.91
N 521871 E 448082
L3 STATION 72+40.00 124 RIGHT
RR SPIKE IN 27" MAPLE

BM10 ELEVATION = 1673.73
N 525342 E 445611
L3 STATION 115+52.00 152 RIGHT
RR SPIKE IN 24" CHERRY

NOTE: DRAWING NOT TO SCALE

NOTES:

1. THE CONTROL DATA FOR THIS PROJECT CAN BE FOUND ELECTRONICALLY BY SELECTING PROJECT CONTROL DATA AT:
HTTPS://CONNECT.NCDOT.GOV/RESOURCES/LOCATION/

THE FILES TO BE FOUND ARE AS FOLLOWS:
R-3622B_LS_CONTROL_DATE.HTML

SITE CALIBRATION INFORMATION HAS NOT BEEN PROVIDED FOR THIS PROJECT. 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.
NETWORK ESTABLISHED FROM NGS ONLINE POSITIONING SERVICE (OPUS)
SEE GPS CALIBRATION SHEET FOR HORIZONTAL AND VERTICAL COORDINATE VALUES.

6/2/99

$$$$$SYSTIME$$$$ $$$$$SYSTIME$$$$ $$$$$LIFNAME$$$$ $$$$$LIFNAME$$$$ $$$$$LIFNA