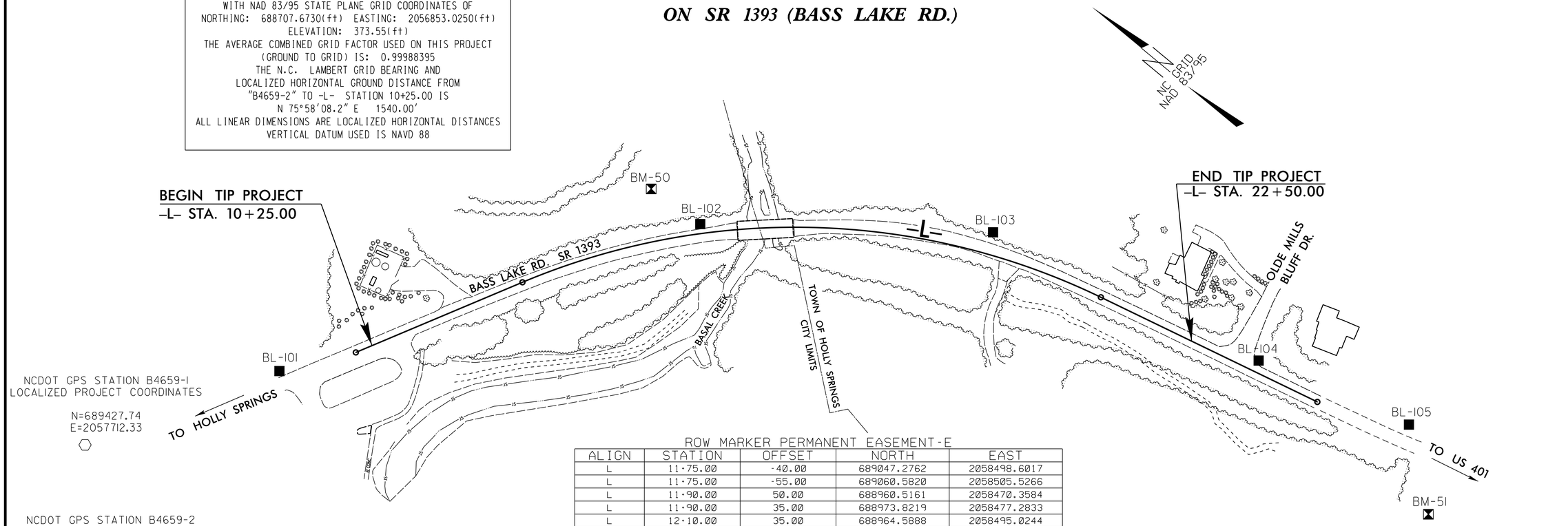
PROJECT REFERENCE NO.	SHEET NO.
B-4659	1C-1
Location and Surveys	
FINAL	

SURVEY CONTROL SHEET B-4659
WAKE COUNTY

LOCATION: BRIDGE NO. 373 OVER BASAL CREEK ON SR 1393 (BASS LAKE RD.)

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "B4659-2"
WITH NAD 83/95 STATE PLANE GRID COORDINATES OF
NORTHING: 688707.6730(ft) EASTING: 2056853.0250(ft)
ELEVATION: 373.55(ft)
THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99988395
THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "B4659-2" TO -L- STATION 10+25.00 IS N 75°58'08.2" E 1540.00'
ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
VERTICAL DATUM USED IS NAVD 88



L

TYPE	STATION	NORTH	EAST
POT	10+00.00	689092.5839	2058324.9003
PC	12+57.40	688973.7555	2058553.2246
PT	21+06.45	688326.2234	2059062.4568
POT	24+48.84	687993.8040	2059144.4672

CONTROL DATA
BASELINE

POINT	DESC.	NORTH	EAST	ELEVATION	L STATION	OFFSET
101	BL-101	689159.4194	2058234.9865	328.46	OUTSIDE PROJECT LIMITS	
102	BL-102	688831.8942	2058778.5901	318.08	15+22.33	13.57 LT
103	BL-103	688503.5115	2059035.7130	337.28	19+32.59	32.06 LT
104	BL-104	688095.7967	2059136.4005	371.82	OUTSIDE PROJECT LIMITS	
105	BL-105	687872.8882	2059202.7996	388.43	OUTSIDE PROJECT LIMITS	

BENCHMARK DATA

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**************************************
50        ELEVATION = 313.65'
N 688918       E 2058773
L STATION 14+64  74' LEFT
RR SPIKE IN 16" POPLAR
**************************************
**************************************
51        ELEVATION = 393.81'
N 687770       E 2059122
L STATION 22+50
  S 03°28'56" E   DIST (RIGHT)  418'
RR SPIKE IN 20" PINE
**************************************
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ROW MARKER PERMANENT EASEMENT-E

ALIGN	STATION	OFFSET	NORTH	EAST
L	11+75.00	-40.00	689047.2762	2058498.6017
L	11+75.00	-55.00	689060.5820	2058505.5266
L	11+90.00	50.00	688960.5161	2058470.3584
L	11+90.00	35.00	688973.8219	2058477.2833
L	12+10.00	35.00	688964.5888	2058495.0244
L	12+10.00	50.00	688951.2829	2058488.0996
L	12+30.00	110.00	688888.8263	2058478.1413
L	12+35.00	35.00	688953.0473	2058517.2009
L	12+55.00	115.00	688872.8495	2058498.0094
L	13+00.00	55.00	688905.6251	2058563.1412
L	13+00.00	35.00	688922.9569	2058573.1216
L	13+30.00	55.00	688891.1115	2058587.4932
L	13+30.00	35.00	688908.1362	2058597.9890
L	14+35.00	35.00	688850.5355	2058681.2925
L	14+35.00	70.00	688822.8315	2058659.9035
L	14+35.00	-70.00	688933.6474	2058745.4596
L	14+35.00	-55.00	688921.7743	2058736.2929
L	15+25.00	70.00	688768.7709	2058723.7660
L	15+80.00	-55.00	688819.8529	2058850.1893
L	15+80.00	-85.00	688840.7009	2058871.7615
L	17+00.00	73.00	688646.4707	2058830.4734
L	17+40.00	-85.00	688706.7710	2058981.9228
L	17+40.00	-100.00	688715.3434	2058994.2319
L	18+15.00	35.00	688577.3055	2058922.5474
L	18+15.00	84.00	688552.3938	2058880.3525
L	18+40.00	35.00	688556.3798	2058934.5517
L	18+60.00	-55.00	688581.6508	2059023.2568
L	18+60.00	-100.00	688602.7626	2059062.9971
L	18+65.00	135.00	688488.6878	2058857.4838
L	18+72.00	35.00	688529.1685	2058949.1474
L	19+00.00	130.00	688463.8072	2058875.5874
L	21+35.00	50.00	688286.5288	2059020.7506
L	21+35.00	35.00	688290.1217	2059035.3140
L	21+55.00	35.00	688270.7039	2059040.1045
L	21+55.00	50.00	688267.1110	2059025.5411

ROW MARKER CONCRETE OR GRANITE-E

ALIGN	STATION	OFFSET	NORTH	EAST
L	10+90.00	-30.00	689077.6465	2058418.5852
L	10+90.00	-40.00	689086.5171	2058423.2018
L	11+00.00	35.00	689015.3711	2058397.4481
L	11+00.00	30.00	689019.8040	2058399.7551
L	12+57.40	35.00	688942.7085	2058537.0666
L	12+57.40	-40.00	689009.2378	2058571.6909
L	12+57.40	-55.00	689022.5437	2058578.6158
L	20+50.00	-55.00	688396.7858	2059099.9666
L	20+50.00	-35.98	688391.1958	2059081.7878
L	21+06.45	35.00	688317.8400	2059028.4757
L	21+06.45	-34.98	688334.6010	2059096.4146
L	22+50.00	35.00	688178.4693	2059062.8594
L	22+50.00	30.00	688179.6670	2059067.7139

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/PAGES

   THE FILES TO BE FOUND ARE AS FOLLOWS:
   B4659_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.

⬡ *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).

30-JAN-2015 09:12
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