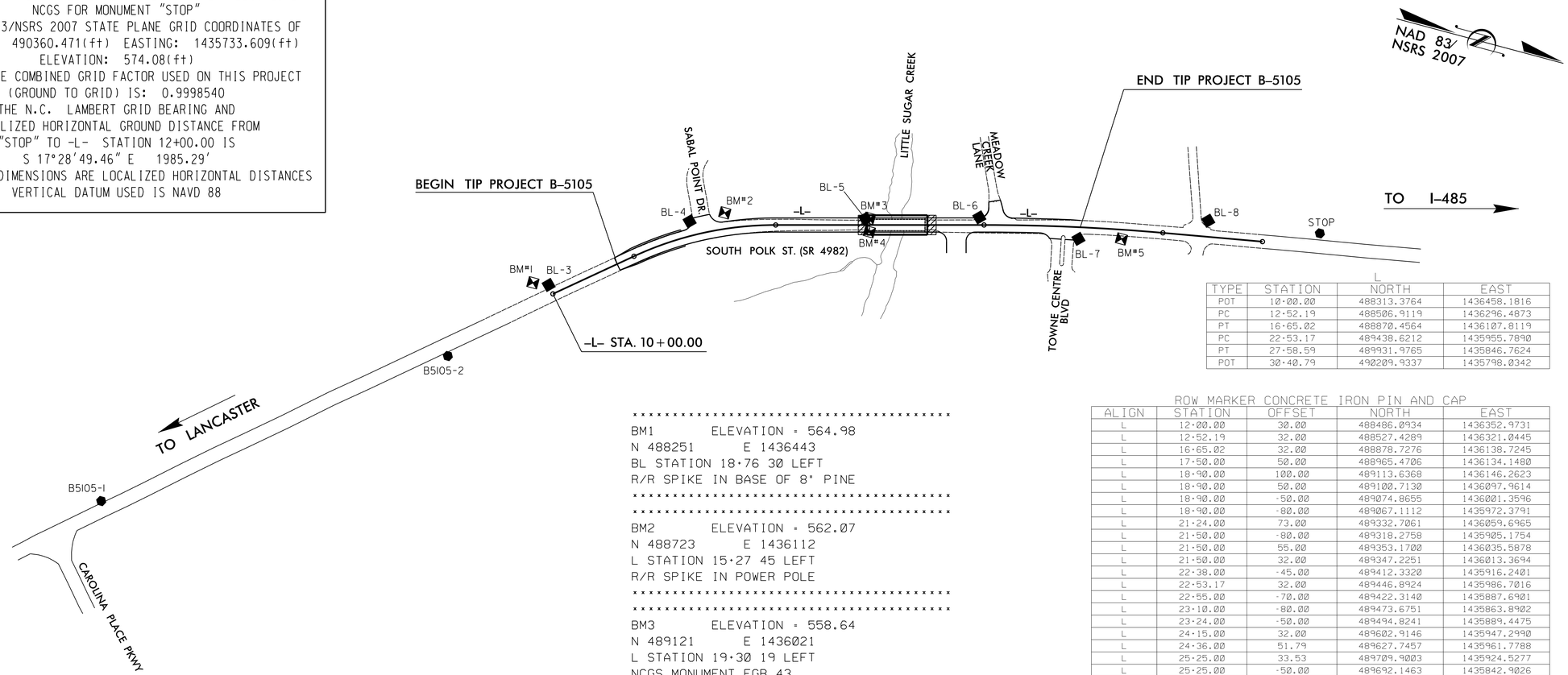
TBL 11/18/13

SURVEY CONTROL SHEET
FINAL PLANS

PROJECT REFERENCE NO.	SHEET NO.
B-5105	1C-1
Location and Surveys	

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCGS FOR MONUMENT "STOP"
WITH NAD 83/NSRS 2007 STATE PLANE GRID COORDINATES OF
NORTHING: 490360.471(ft) EASTING: 1435733.609(ft)
ELEVATION: 574.08(ft)
THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.9998540
THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "STOP" TO -L- STATION 12+00.00 IS
S 17°28'49.46" E 1985.29'
ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
VERTICAL DATUM USED IS NAVD 88



L				
TYPE	STATION	NORTH	EAST
POT	10+00.00	488313.3764	1436458.1816
PC	12+52.19	488506.9119	1436296.4873
PT	16+65.02	488870.4564	1436107.8119
PC	22+53.17	489438.6212	1435955.7890
PT	27+58.59	489931.9765	1435846.7624
POT	30+40.79	490209.9337	1435798.0342

****
BM1 ELEVATION = 564.98
N 488251 E 1436443
BL STATION 18+76 30 LEFT
R/R SPIKE IN BASE OF 8" PINE
****
****
BM2 ELEVATION = 562.07
N 488723 E 1436112
L STATION 15+27 45 LEFT
R/R SPIKE IN POWER POLE
****
****
BM3 ELEVATION = 558.64
N 489121 E 1436021
L STATION 19+30 19 LEFT
NCGS MONUMENT EGB 43
****
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BM4 ELEVATION = 558.64
N 489131 E 1436058
L STATION 19+30 20 RIGHT
CITY OF CHARLOTTE MONUMENT L-SUGAR 1
****
****
BM5 ELEVATION = 567.94
N 489824 E 1435894
L STATION 26+43 26 RIGHT
R/R SPIKE IN BASE OF 28" PINE
****

ROW MARKER CONCRETE IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
L	12+00.00	30.00	488486.0934	1436352.9731
L	12+52.19	32.00	488527.4289	1436321.0445
L	16+65.02	32.00	488878.7276	1436138.7245
L	17+50.00	50.00	488965.4706	1436134.1480
L	18+90.00	100.00	489113.6368	1436146.2623
L	18+90.00	50.00	489100.7130	1436097.9614
L	18+90.00	-50.00	489074.8655	1436001.3596
L	18+90.00	-80.00	489067.1112	1435972.3791
L	21+24.00	73.00	489332.7061	1436059.6965
L	21+50.00	-80.00	489318.2758	1435905.1754
L	21+50.00	55.00	489353.1700	1436035.5878
L	21+50.00	32.00	489347.2251	1436013.3694
L	22+38.00	-45.00	489412.3320	1435916.2401
L	22+53.17	32.00	489446.8924	1435986.7016
L	22+55.00	-70.00	489422.3140	1435887.6901
L	23+10.00	-80.00	489473.6751	1435863.8902
L	23+24.00	-50.00	489494.8241	1435889.4475
L	24+15.00	32.00	489602.9146	1435947.2990
L	24+36.00	51.79	489627.7457	1435961.7788
L	25+25.00	33.53	489709.9003	1435924.5277
L	25+25.00	-50.00	489692.1463	1435842.9026
L	25+25.00	-29.87	489696.4250	1435862.5740

PERMANENT EASEMENT MARKER

ALIGN	STATION	OFFSET	NORTH	EAST
L	15+00.00	-54.00	488692.7746	1436115.0953
L	15+00.00	-50.00	488694.4608	1436118.7225
L	16+00.00	-85.00	488780.7334	1436046.3375
L	16+00.00	70.00	488830.9437	1436192.9796
L	16+00.00	32.00	488818.6341	1436157.0287
L	16+65.02	-82.00	488849.2614	1436028.5985
L	17+03.00	-90.00	488883.8811	1436011.0539
L	18+25.00	98.00	489050.3287	1436161.1312
L	18+90.00	-90.00	489064.5264	1435962.7189
L	20+95.00	-90.00	489262.5601	1435909.7314
L	20+95.00	-80.00	489265.1448	1435919.3916
L	21+20.00	-90.00	489286.7105	1435903.2695
L	21+20.00	-80.00	489289.2953	1435912.9297
L	21+92.00	-90.00	489356.2638	1435884.6592

BL

POINT	DESC.	NORTH	EAST	ELEVATION	L STATION	OFFSET
1	B5105-1	487232.7180	1437352.6870	594.38	OUTSIDE PROJECT LIMITS	
2	B5105-2	488072.0380	1436704.2460	573.28	OUTSIDE PROJECT LIMITS	
3	BL-3	488295.1400	1436436.8850	563.98	OUTSIDE PROJECT LIMITS	
4	BL-4	488633.0620	1436160.3690	560.12	14+29.72	40.83 LT
5	BL-5	489110.1830	1436025.1910	557.96	19+17.96	17.85 LT
6	BL-6	489420.1170	1435938.3940	560.06	22+39.79	21.59 LT
7	BL-7	489706.0460	1435924.6330	565.04	25+21.19	32.82 RT
8	BL-8	490046.8560	1435780.5200	570.39	28+83.19	45.41 LT
9	STOP	490360.4710	1435733.6090	574.08	OUTSIDE PROJECT LIMITS	

NOTES:

1. *THE CONTROL DATA FOR THIS PROJECT CAN BE FOUND ELECTRONICALLY BY SELECTING PROJECT CONTROL DATA AT: HTTP://WWW.NCDOT.ORG/DOH/PRECONSTRUCT/HIGHWAY/LOCATION/PROJECT/*

   THE FILES TO BE FOUND ARE AS FOLLOWS:
   B5105_LS_CONTROL.TXT
   B5105_LS_LOCAL.TXT

2. *SITE CALIBRATION INFORMATION HAS NOT BEEN PROVIDED FOR THIS PROJECT. IF FURTHER INFORMATION IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.*

3. *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 CONTROL*
- ■ *INDICATES BASELINE MONUMENTS FOR HORIZONTAL PROJECT CONTROL*
- ⋈ *INDICATES BENCHMARKS FOR VERTICAL CONTROL*

NOTE: DRAWING NOT TO SCALE

27-APR-2015 13:52
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$$USERNAME$$