PROJECT REFERENCE NO.	SHEET NO.
U-5758	1-C
R/W SHEET NO.	

DocuSigned by: Greg S Davis 33D47B5FD78F4A8... 6/17/2017

NORTH CAROLINA PROFESSIONAL SEAL 26930 ENGINEER GREG S. DAVIS

DIVISION DESIGN / CONSTRUCT ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SURVEY CONTROL SHEET U-5758

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DATUM DESCRIPTION
THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON
THE NAD83/NA 2011 STATE PLANE COORDINATES FOR THE NCDOT GPS MONUMENT "U5758-1"
WITH A NORTHING: 715401.4750, EASTING: 1758967.5500.
THE AVERAGE COMBINED FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS
0.9998701952
ALL LINEAR DISTANCES ARE LOCALIZED HORIZONTAL DISTANCES.
THE VERTICAL DATUM IS BASED ON NCDOT MONUMENT "U5758-1"(ELEV. 826.217')(NAVD 88).

TIE LINE: BEARING AND DISTANCE FROM NCDOT MONUMENT "U5758-1" TO BL-101
N 41° 01' 13.9" E Distance 819.564'

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NCDOT GPS CONTROL MONUMENTS LOCALIZED

Point	North	East	Elevation
U5758-1	715401.4750	1758967.5500	826.217
U5758-2	715982.2620	1759045.0180	830.485

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Chain BL contains:
1 2
-BL- US 220 BUS. FAYETTEVILLE ST.

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1 (U5758-1) N 715401.4750 E 1758967.5500 ELEV 826.217 STA 5+00.00

Course from 1 to 2 N 07°35'51.09" E Dist 585.93

2 (U5758-2) N 715982.2620 E 1759045.0180 ELEV 830.485 STA 10+85.93
=Y1 Sta 10+86.43

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Chain BY1 contains:
104 103 102 E2 101 105

-BY1- SR 1462 PRESNELL ST.

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104 (BY1-104) N 716058.3390 E 1758162.8530 ELEV 821.08 Sta 5+00.00

Course from 104 to 103 S 80° 32' 13.33" E Dist 307.7975

103 (BY1-103) N 716007.7340 E 1758466.4620 ELEV 825.94 Sta 8+07.80

Course from 103 to 102 N 85° 51' 36.65" E Dist 379.8000

102 (BY1-102) N 716035.1520 E 1758845.2710 ELEV 838.03 Sta 11+87.60

Course from 102 to E2 S 75° 10' 09.43" E Dist 206.6306

2 (U5758-2) N 715982.2620 E 1759045.0180 ELEV 830.485 Sta 13+94.23

Course from E2 to 101 N 85° 20' 14.27" E Dist 461.9649

101 (BY1-101) N 716019.8150 E 1759505.4540 ELEV 846.65 Sta 18+56.19

Course from 101 to 105 S 73° 40' 39.72" E Dist 242.7873

105 (BY1-105) N 715951.5820 E 1759738.4560 ELEV 849.87 Sta 20+98.98

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DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT
IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY
NCDOT FOR MONUMENT "U5728-1"
WITH NAD 83/NA 2011 STATE PLANE GRID COORDINATES OF
NORTHING: 715401.4750(ft) EASTING: 1758967.5500(ft)
ELEVATION: 826.217(ft)
THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT
(GROUND TO GRID) IS: 0.9998701952
THE N.C. LAMBERT GRID BEARING AND
LOCALIZED HORIZONTAL GROUND DISTANCE FROM
"U5728-1" TO -L- Sta. 20+14.07 IS
S 10° 30' 20" W 615.93'

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

NOT TO SCAL

REVISIONS

8/17/99

17-JUN-2017 14:29
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