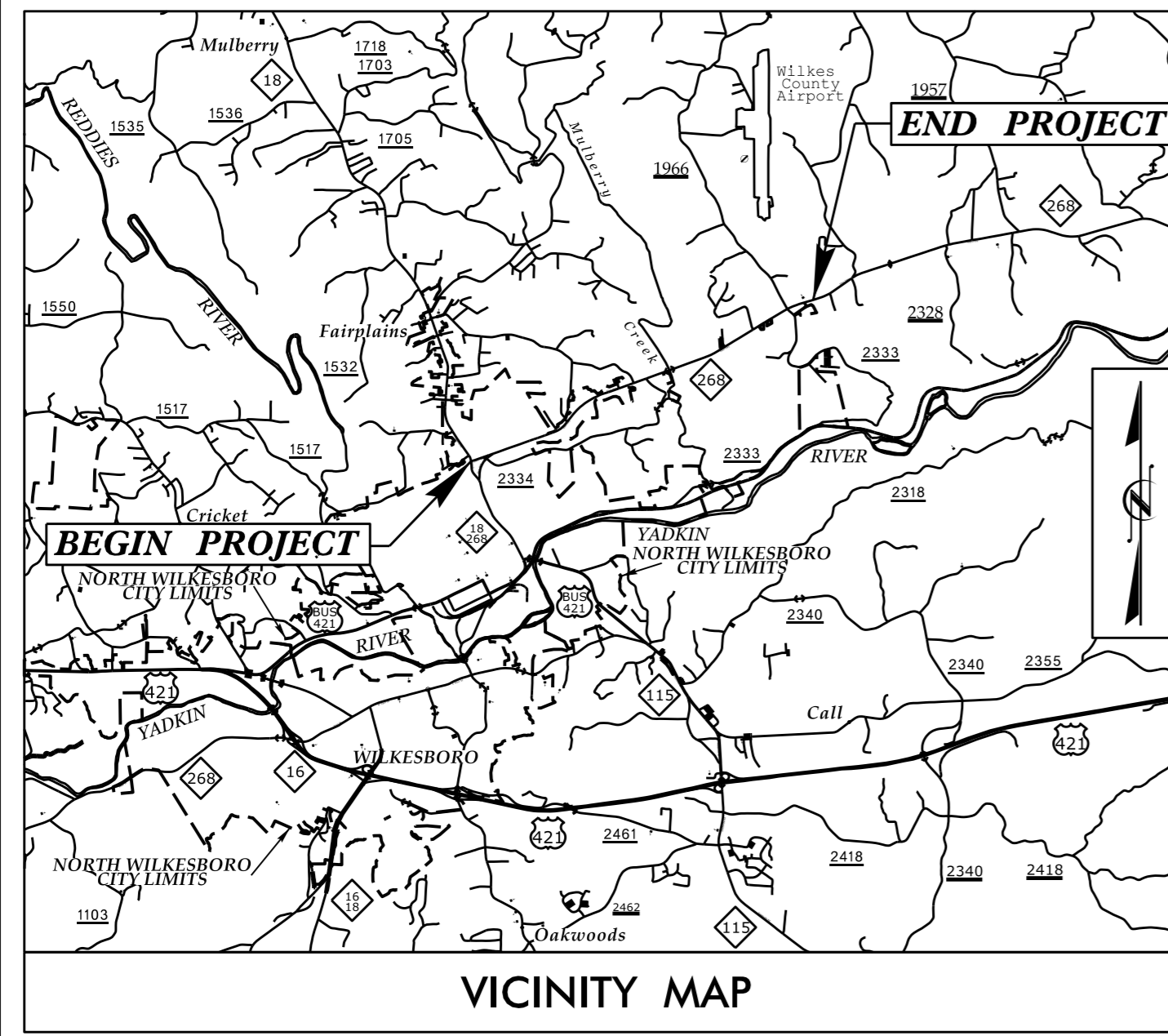


SURVEY CONTROL SHEET R-2603

PROJECT REFERENCE NO.	SHEET NO.
R-2603	1C-1
Location and Surveys	



BL POINT	DESC.	NORTH	EAST	ELEVATION	L STATION	OFFSET	BY4 POINT	DESC.	NORTH	EAST	ELEVATION	Y7 STATION	OFFSET	BY12 POINT	DESC.	NORTH	EAST	ELEVATION	Y18 STATION	OFFSET	
																					BY4 POINT
BL 7	BL-7	889221.9707	1367385.1973	1175.88			BY442	BY4-42	892791.8979	1378663.4409	1083.36			BY1266	BL-30	898329.6270	1382186.5697	1138.76			

BEGIN TIP PROJECT R-2603
 -L- POT STA 10+38.67
N = 890878.4095
E = 1366856.9339

NC DOT STATION R2603-3
LOCALIZED PROJECT COORDINATES
N = 894888.6970
E = 1375253.6080

NC DOT STATION R2603-2
LOCALIZED PROJECT COORDINATES
N = 891899.6260
E = 1369604.0340

NC DOT STATION R2603-1
LOCALIZED PROJECT COORDINATES
N = 891634.7130
E = 1368845.2810

NC DOT STATION R2603-4
LOCALIZED PROJECT COORDINATES
N = 895173.7160
E = 1376184.1500

NC DOT STATION R2603-5
LOCALIZED PROJECT COORDINATES
N = 898361.2760
E = 1384455.6630

NC DOT STATION R2603-6
LOCALIZED PROJECT COORDINATES
N = 898896.2720
E = 1384283.6550

NC DOT STATION R2603-4
LOCALIZED PROJECT COORDINATES
N = 895173.7160
E = 1376184.1500

DATUM DESCRIPTION
 THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "R2603-1" WITH NAD 83/95 STATE PLANE GRID COORDINATES OF NORTHING: 891634.7130(ft) EASTING: 1368845.2810(ft) ELEVATION: 1108.64(ft) THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.999955442 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "R2603-1" TO -L- STATION 10+38.67 IS S 69°10'29" W 2127.33' 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 83/95 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: [HTTP://WWW.NCDOT.ORG/DOHPRECONSTRUCTHIGHWAY/LOCATION/PROJECT/](http://www.ncdot.org/dohpreconstructhighway/location/project/)
 THE FILES TO BE FOUND ARE AS FOLLOWS:
 R2603_LS_GPCALIB_DATE.HTML
 R2603_LS_WGS84_DATE.TXT
 R2603_LS_LOCAL_DATE.TXT
 R2603_LS_CONTROL_DATE.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.
 NETWORK ESTABLISHED FROM EXISTING HARN MONUMENTATION
 SEE GPS CALIBRATION SHEET FOR HORIZONTAL AND VERTICAL COORDINATE VALUES.

NOTE: DRAWING NOT TO SCALE