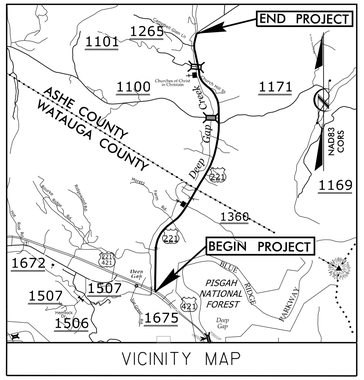
PROJECT REFERENCE NO.	SHEET NO.
R-2915A	1C-1
Location and Surveys	

SURVEY CONTROL SHEET R-2915A



BL

POINT	DESC.	NORTH	EAST	ELEVATION	L STATION	OFFSET
BL31	BL-31	914231.3163	1260001.4743	2996.36	10+88.74	112.22 LT
BL32	BL-32	915056.9098	1260109.7839	2992.35	19+20.12	116.45 LT
BL33	BL-33	916426.7594	1260096.2899	2984.52	32+94.80	40.21 LT
BL34	BL-34	917085.9249	1260255.2407	2976.26	39+70.30	0.26 RT
BL35	BL-35	917905.8857	1261027.9966	2972.55	51+12.90	1.70 RT
BL36	NCGS MON GAP	918669.0285	1261677.3259	2985.67	61+33.00	42.02 LT
R29153	GPS R2915-3	919149.7040	1261969.9680	2977.41	66+95.74	40.18 LT
R29154	GPS R2915-4	920506.4880	1262832.0570	2957.01	83+82.90	0.02 RT
BL37	BL-37	921144.0567	1263100.9761	2949.15	89+96.40	6.86 LT
BL38	BL-38	922126.6192	1263321.6829	2943.40	100+05.24	1.19 LT
BL39	BL-39	922865.1325	1263389.3999	2940.63	107+47.13	9.35 RT
BL40	BL-40	923708.4131	1263314.5824	2943.82	115+95.20	33.61 LT
BL41	BL-41	924139.0336	1263288.2637	2944.24	120+15.19	57.04 RT
BL42	BL-42	924580.7753	1262992.2353	2949.67	125+28.47	69.59 RT
BL43	BL-43	925044.3024	1262485.3746	2919.16	132+10.91	28.98 LT
BL44	BL-44	925745.5320	1262264.3667	2913.17	139+38.81	51.23 LT
BL45	BL-45	926798.0827	1262069.3736	2909.03	149+97.33	68.46 LT
R29155	GPS R2915-5	927532.5780	1262287.7910	2902.28	157+48.32	18.37 RT
BL46	BL-46	928402.6058	1262144.5944	2906.40	OUTSIDE PROJECT LIMITS	
BL47	BL-47	929326.9840	1262283.2690	2910.77	OUTSIDE PROJECT LIMITS	
BL48	BL-48	929833.8683	1262134.8936	2912.87	OUTSIDE PROJECT LIMITS	
BL49	BL-49	930252.5771	1261808.4631	2924.69	OUTSIDE PROJECT LIMITS	
BL50	BL-50	930705.8036	1261535.6732	2897.84	OUTSIDE PROJECT LIMITS	
BL51	BL-51	931116.8346	1261433.8556	2890.72	OUTSIDE PROJECT LIMITS	
BL52	BL-52	931641.1471	1261537.6793	2881.92	OUTSIDE PROJECT LIMITS	
BL53	BL-53	932216.8529	1261999.6996	2876.74	OUTSIDE PROJECT LIMITS	
BL54	BL-54	932765.6059	1262461.6863	2874.49	OUTSIDE PROJECT LIMITS	
BL55	BL-55	933354.5662	1263268.6930	2871.17	OUTSIDE PROJECT LIMITS	
BL56	BL-56	933897.1980	1263665.8120	2870.83	OUTSIDE PROJECT LIMITS	
BL57	BL-57	934899.1246	1263792.5538	2870.93	OUTSIDE PROJECT LIMITS	
BL58	BL-58	935740.1689	1263808.7456	2884.86	OUTSIDE PROJECT LIMITS	
BL59	BL-59	936429.4463	1263916.1701	2937.49	OUTSIDE PROJECT LIMITS	
BL60	BL-60	937238.1186	1264003.2714	3004.18	OUTSIDE PROJECT LIMITS	

BY1

POINT	DESC.	NORTH	EAST	ELEVATION	Y2 STATION	OFFSET
BY166	BY1-66	918669.0285	1261677.3259	2985.67	OUTSIDE PROJECT LIMITS	
BY167	BY1-67	918407.4172	1262218.1671	3020.37	15+58.06	7.62 LT

BY2

POINT	DESC.	NORTH	EAST	ELEVATION	Y4 STATION	OFFSET
BY268	BY2-68	922865.1325	1263389.3999	2940.63	10+09.31	21.49 RT
BY269	BY2-69	922916.5008	1263629.3149	2948.73	12+47.91	20.69 RT
BY270	BY2-70	923132.2208	1263891.8377	2968.15	15+82.72	11.27 LT
BY271	BY2-71	923286.9353	1264241.1075	2979.74	19+62.86	12.73 LT
BY272	BY2-72	923319.8097	1264694.2989	3007.14	OUTSIDE PROJECT LIMITS	

BY3

POINT	DESC.	NORTH	EAST	ELEVATION	Y5 STATION	OFFSET
BY373	BY3-73	923173.7894	1262319.6864	2966.46	OUTSIDE PROJECT LIMITS	
BY374	BY3-74	923173.4784	1262985.9563	2930.95	16+12.43	13.83 LT
BY375	BY3-75	922865.1325	1263389.3999	2940.63	OUTSIDE PROJECT LIMITS	

BY4

POINT	DESC.	NORTH	EAST	ELEVATION	Y8 STATION	OFFSET
BY476	BY4-76	926950.2639	1261551.4117	2912.05	OUTSIDE PROJECT LIMITS	
BY477	BY4-77	926798.0827	1262069.3736	2909.03	14+82.09	27.96 RT

BY5

POINT	DESC.	NORTH	EAST	ELEVATION	Y9 STATION	OFFSET
BY578	BY5-78	927532.5780	1262287.7910	2902.28	10+09.69	106.03 RT
BY579	BY5-79	928840.8446	1263040.8471	2920.92	OUTSIDE PROJECT LIMITS	

BM1 ELEVATION - 2986.63
N 914478 E 1259917
L STATION 13+20.00 287 LEFT
CHISLED SQUARE ON TOP OF HEADWALL

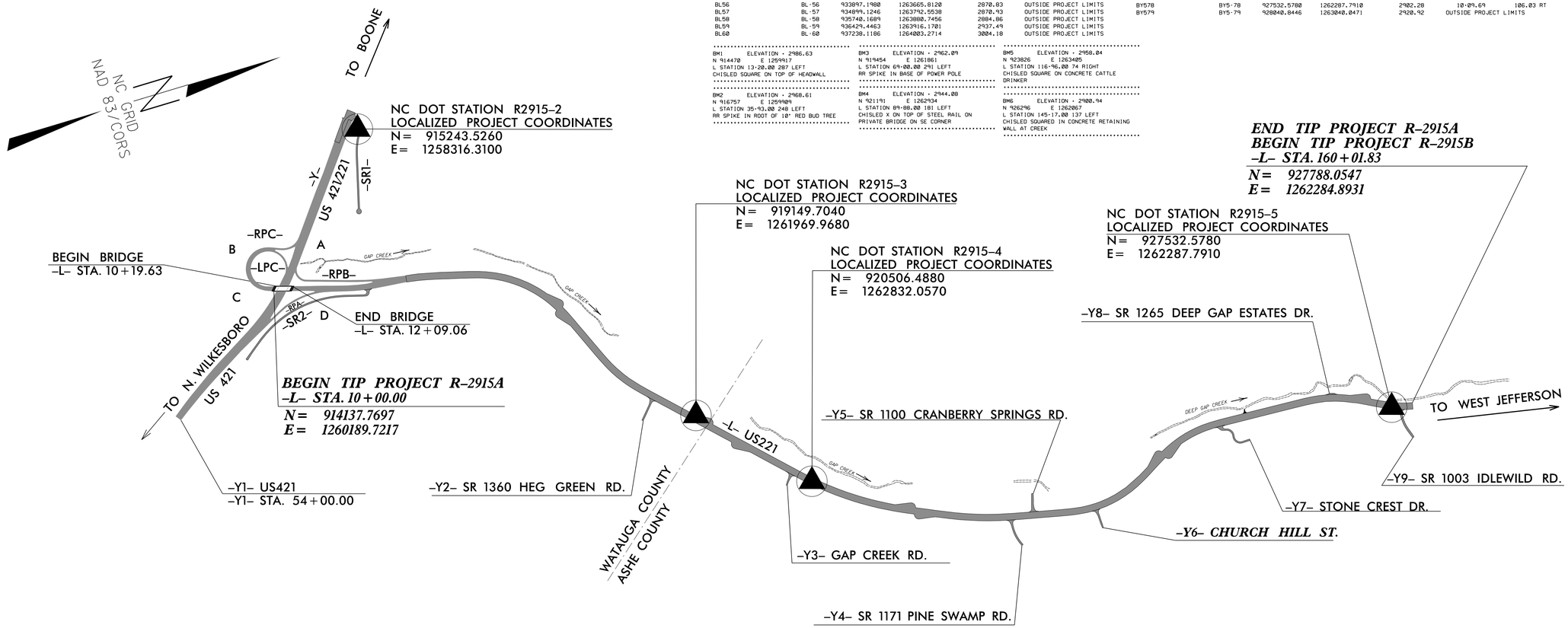
BM2 ELEVATION - 2968.61
N 916757 E 1259904
L STATION 35+93.00 248 LEFT
RR SPIKE IN ROOT OF 18" RED BUD TREE

BM3 ELEVATION - 2962.09
N 919454 E 1261861
L STATION 69+00.00 291 LEFT
RR SPIKE IN BASE OF POWER POLE

BM4 ELEVATION - 2944.08
N 921191 E 1262934
L STATION 89+80.00 181 LEFT
CHISLED X ON TOP OF STEEL RAIL ON PRIVATE BRIDGE ON SE CORNER

BM5 ELEVATION - 2958.04
N 923826 E 1263405
L STATION 116+96.00 74 RIGHT
CHISLED SQUARE ON CONCRETE CATTLE DRINKER

BM6 ELEVATION - 2980.94
N 926296 E 1262867
L STATION 145+17.00 137 LEFT
CHISLED SQUARED IN CONCRETE RETAINING WALL AT CREEK



DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "R2915-15"
WITH NAD 83/CORS STATE PLANE GRID COORDINATES OF
NORTHING: 954880.7810(ft) EASTING: 1254012.2870(ft)
ELEVATION: 3097.5210(ft)
THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99991292
THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "R2915-15" TO -L- STATION 10+00.00 IS S 08°37'17" E 41208.6602
ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
VERTICAL DATUM USED IS NAVD 88

NOTE: DRAWING NOT TO SCALE

NOTES:

1. *THE SITE CALIBRATION SHOWN IS BASED UPON A NETWORK TIED TO THE HARN (HIGH ACCURACY REFERENCE NETWORK) NAD 8395 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.*

2. *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:
R2915A_LS_GPSCALIB.HTML
R2915A_LS_WGS84.TXT
R2915A_LS_LOCAL.TXT
R2915A_LS_CONTROL.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.
SEE GPS CALIBRATION SHEET FOR HORIZONTAL AND VERTICAL COORDINATE VALUES.

6/2/99