

# SURVEY CONTROL SHEET B-5125

## -FINAL-

BL POINT	DESC.	NORTH	EAST	ELEVATION	L STATION	OFFSET
1	BL-1	550524.9010	693195.7070	2011.28	OUTSIDE PROJECT LIMITS	
2	BL-2	550620.3350	693516.6350	2014.84	OUTSIDE PROJECT LIMITS	
3	BL-3	550952.5710	693775.4320	2011.25	OUTSIDE PROJECT LIMITS	
4	BL-4	551272.9780	694031.8260	2012.23	11+23.60	22.99 RT
5	BL-5	551508.7130	694238.0760	2012.69	14+37.52	26.59 RT
6	BL-6	551817.2030	694505.5150	2013.44	OUTSIDE PROJECT LIMITS	
7	BL-7	552407.1610	694846.2370	2041.53	OUTSIDE PROJECT LIMITS	

BY1 POINT	DESC.	NORTH	EAST	ELEVATION	EY1 STATION	OFFSET
8	BY1-8	550624.3290	692986.0940	2017.94	OUTSIDE PROJECT LIMITS	
9	BY1-9	550844.7750	693140.6680	2015.19	OUTSIDE PROJECT LIMITS	
10	BY1-10	551198.2390	693497.3670	2015.49	OUTSIDE PROJECT LIMITS	
11	BY1-11	551404.2640	693839.5110	2015.27	30+62.19	25.14 LT
12	BY1-12	551619.0630	694263.2000	2013.92	35+33.58	18.49 RT
106	BL-6	551817.2030	694505.5150	2013.44	OUTSIDE PROJECT LIMITS	

BY3 POINT	DESC.	NORTH	EAST	ELEVATION	EY3 STATION	OFFSET
111	BY1-11	551404.2640	693839.5110	2015.27	OUTSIDE PROJECT LIMITS	
104	BL-4	551272.9780	694031.8260	2012.23	OUTSIDE PROJECT LIMITS	

FINAL -L-			
TYPE	STATION	NORTH	EAST
POT	10+00.00	551189.8591	693938.0763
PC	10+77.09	551250.9187	693985.1316
PT	11+84.28	551334.0296	694052.8064
POT	17+30.73	551748.3722	694409.0757

FINAL -Y1-			
TYPE	STATION	NORTH	EAST
POT	29+00.00	551298.7922	693713.7583
PC	34+25.58	551570.8778	694163.4333
PT	36+84.39	551740.5038	694357.1558

FINAL -Y3-			
TYPE	STATION	NORTH	EAST
POT	10+00.00	551379.0175	693846.3464
POT	11+88.26	551259.0550	693991.4353

-FINAL- ROW MARKER IRON PIN AND CAP-E				
ALIGN	STATION	OFFSET	NORTH	EAST
L	11+17.78	-28.06	551300.46886	693988.42357
L	11+88.65	-29.35	551356.47913	694033.40163
L	12+00.00	-29.73	551365.32932	694040.51255
L	12+23.99	-46.00	551394.12701	694043.81652
L	14+13.22	43.15	551479.48656	694234.78655
L	11+84.28	43.00	551305.99123	694085.41010
L	11+40.00	43.00	551272.82869	694057.52806
L	11+25.00	31.93	551268.42495	694039.64301

-FINAL- ROW MARKER PERMANENT EASEMENT-E				
ALIGN	STATION	OFFSET	NORTH	EAST
L	10+79.00	31.58	551233.13221	694011.29527
L	10+79.00	37.00	551229.82052	694015.58587
L	10+90.00	37.00	551238.34773	694022.20786
L	10+90.00	31.76	551241.57217	694018.07740
L	11+20.00	31.94	551264.59136	694036.56244
L	11+20.00	37.00	551261.41639	694040.50441
L	11+35.00	55.00	551261.45278	694063.71636
L	11+84.28	56.00	551297.51921	694095.26804
L	14+10.47	53.23	551470.82874	694240.63768
L	15+79.52	51.41	551600.20154	694349.47906
L	15+93.00	51.00	551610.68937	694357.95085
L	15+93.00	37.10	551619.75176	694347.41125

-FINAL- ROW MARKER PERMANENT EASEMENT-E				
ALIGN	STATION	OFFSET	NORTH	EAST
L	14+00.42	90.04	551439.21443	694261.99134
L	14+13.00	92.00	551447.47461	694271.68417
L	15+38.00	52.69	551567.88411	694323.37390
L	15+80.12	37.54	551609.69787	694339.34135

BY4 POINT	DESC.	NORTH	EAST	ELEVATION	EY4A STATION	OFFSET
15	BY4-15	551964.9480	694175.0130	2012.28	OUTSIDE PROJECT LIMITS	
206	BL-6	551817.2030	694505.5150	2013.44	OUTSIDE PROJECT LIMITS	
16	BY4-16	551708.9180	694589.5040	2013.15	OUTSIDE PROJECT LIMITS	
17	BY4-17	551581.2960	694636.8010	2012.87	OUTSIDE PROJECT LIMITS	

BY4 POINT	DESC.	NORTH	EAST	ELEVATION	EY4B STATION	OFFSET
15	BY4-15	551964.9480	694175.0130	2012.28	OUTSIDE PROJECT LIMITS	
206	BL-6	551817.2030	694505.5150	2013.44	10+42.73	52.71 LT
16	BY4-16	551708.9180	694589.5040	2013.15	11+71.89	49.22 LT
17	BY4-17	551581.2960	694636.8010	2012.87	12+99.66	28.41 LT

BY5 POINT	DESC.	NORTH	EAST	ELEVATION	EY5 STATION	OFFSET
116	BY4-16	551708.9180	694589.5040	2013.15	11+55.15	28.17 RT
18	BY5-18	551867.7640	694839.8310	2040.70	OUTSIDE PROJECT LIMITS	

-FINAL- ROW MARKER IRON PIN AND CAP-E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y3	10+63.40	-30.00	551361.73843	693914.32430

-FINAL- ROW MARKER IRON PIN AND CAP-E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y1	31+74.72	43.43	551403.85248	693971.28419

-FINAL- ROW MARKER PERMANENT EASEMENT-E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y1	30+08.00	-30.00	551380.36912	693790.62967
Y1	29+99.00	-54.00	551396.24371	693770.50513
Y1	30+11.00	-58.00	551405.87820	693778.70127
Y1	30+21.00	-30.00	551387.09899	693801.75212

**DATUM DESCRIPTION**

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY HORIZONTAL - NCGS FOR MONUMENT "WATAUGA" WITH NAD 83/NSRS 2007 STATE PLANE GRID COORDINATES OF NORTHING: 553279.504(ft) EASTING: 695387.957(ft) VERTICAL - NCGS MONUMENT G-47 ELEVATION = 2013.82'

THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99977606

THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "WATAUGA" TO -L- STATION 10+50.00 IS S34°41'49.4"W 2493.44'

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

- .....
- BM1 ELEVATION = 2009.51  
N 550460 E 693008  
BY2 STATION 9+67.00 398 RIGHT  
CHISELED SQUARE ON CORNER OF CONC. HEADWALL
- .....
- BM2 ELEVATION = 2011.65  
N 550721 E 693484  
BL STATION 8+94.00 88 LEFT  
NCGS MONUMENT "NIKWASI"
- .....
- BM3 ELEVATION = 2013.82  
N 551347 E 694077  
BL STATION 17+52.00 15 LEFT  
NCGS MONUMENT "G47" ON SE CORNER OF BRIDGE NO. 22
- .....
- BM4 ELEVATION = 2013.94  
N 551872 E 694435  
BL STATION 24+00.00 88 LEFT  
CHISELED SQUARE ON CORNER OF CONC. PAD FOR SIGNAL BOX
- .....
- BM5 ELEVATION = 2060.00  
N 552457 E 694999  
BL STATION 30+69.00  
N 71°48'0.80" E O1ST 160.78  
8" SPIKE SET IN BASE OF 24" PINE TREE
- .....
- BM6 ELEVATION = 2015.25  
N 550883 E 693195  
BY1 STATION 8+35.00 11 RIGHT  
CHISELED SQUARE ON SE CORNER OF CONC. PAD FOR SIGNAL BOX
- .....

**NOTES:**

1. THE CONTROL DATA FOR THIS PROJECT CAN BE FOUND ELECTRONICALLY BY SELECTING PROJECT CONTROL DATA AT: [HTTPS://CONNECT.NCDOT.GOV/RESOURCES/LOCATION/](https://connect.ncdot.gov/resources/location/)

THE FILES TO BE FOUND ARE AS FOLLOWS:  
B-5125\_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 EXISTING HARN MONUMENTATION

**GEOID MODEL - GEOID 03**  
**NOTE: DRAWING NOT TO SCALE**

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