

PROJECT REFERENCE NO.	SHEET NO.
B-4863	1C-4
Location and Surveys	
NEW BERN LOCATION & SURVEYS	

SURVEY CONTROL SHEET B-4863

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

EXISTING ALIGNMENT

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	357247.120	2727052.682							
LINE			N 03°55'02.9" E	119.84					
PC	357366.685	2727060.870							
CURVE			N 07°49'16.5" E	785.21	07°48'27.4"(RT)	00°59'36.8"	785.82	393.52	5766.73
PT	358144.595	2727167.724							
LINE			N 11°43'30.2" E	38.54					
PC	358182.326	2727175.555							
CURVE			N 14°23'57.8" E	409.98	05°20'55.2"(RT)	01°18'14.9"	410.13	205.21	4393.34
PT	358579.425	2727277.509							
LINE			N 17°04'25.4" E	166.01					
PC	358738.115	2727326.248							
CURVE			N 17°57'10.1" E	108.31	01°45'29.4"(RT)	01°37'23.6"	108.31	54.16	3529.73
PT	358841.150	2727359.632							
LINE			N 18°49'54.8" E	74.34					
PC	358911.509	2727383.628							
CURVE			N 19°01'51.2" E	37.91	00°23'52.8"(RT)	01°02'59.8"	37.91	18.95	5457.07
PT	358947.345	2727395.989							
LINE			N 19°13'47.7" E	475.99					
PC	359396.772	2727552.760							
CURVE			N 14°48'08.1" E	295.86	08°51'19.1"(LT)	02°59'24.4"	296.15	148.37	1916.18
PT	359682.813	2727628.347							
LINE			N 10°22'28.5" E	919.22					
PC	360587.003	2727793.882							
CURVE			N 17°31'09.8" E	567.74	14°17'22.5"(RT)	02°30'37.4"	569.22	286.09	2282.35
PT	361128.413	2727964.790							
LINE			N 24°39'51.1" E	1625.94					
PC	362606.020	2728643.294							
CURVE			N 21°47'29.5" E	287.93	05°44'43.1"(LT)	01°59'40.5"	288.05	144.14	2872.57
PT	362873.370	2728750.181							
LINE			N 18°55'07.9" E	891.43					
POT	363716.646	2729039.209							

BL	BASELINE				
	POINT	DESC.	NORTH	EAST	ELEVATION
1		BL -1	358218.8650	2727163.0600	4.38
2		BL -2	359102.2850	2727468.6220	5.08
3		BL -3	359840.2340	2727690.5780	12.47
4		BL -4	361212.7820	2728026.3230	8.10
5		BL -5	361803.1150	2728298.9210	5.98
6		BL -6	362350.9930	2728548.2820	6.65
7		BL -7	363103.7120	2728848.8010	5.11
8		BL -8	363710.4440	2729055.7420	5.09

BENCHMARKS	

BM1	ELEVATION = 5.70
N 359302	E 2727692
RAILROAD SPIKE SET IN BASE OF 18" PINETREE	

BM2	ELEVATION = 3.88
N 362787	E 2728961
RAILROAD SPIKE SET IN BASE OF 24" CYPRESS	

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "B4863-P6"

WITH NAD 83/NA 2011 STATE PLANE GRID COORDINATES OF
 NORTHING: 361317.806(ft) EASTING: 2728104.005(ft)
 ELEVATION: 5.849(ft)

THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99992130

THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "B4863-P6" TO -L- STATION 10+00.00 IS
 S16°44'15"W 2598.00 (ft)

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

NOTES:

- PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
- THE SURVEY CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

REVISIONS

12-FEB-2009 15:54 X:\P\10300366013_B-4863 Design\Data Collection\From NCDOT\20181212_ROW Sheets From Bobby Reigner\B4863.LS_IC-4.dgn \$\$\$USERNAME\$\$\$