

09/06/19

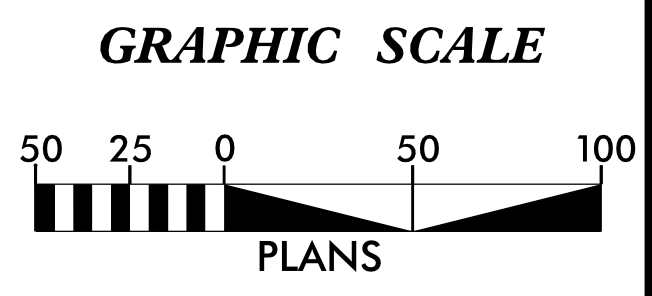
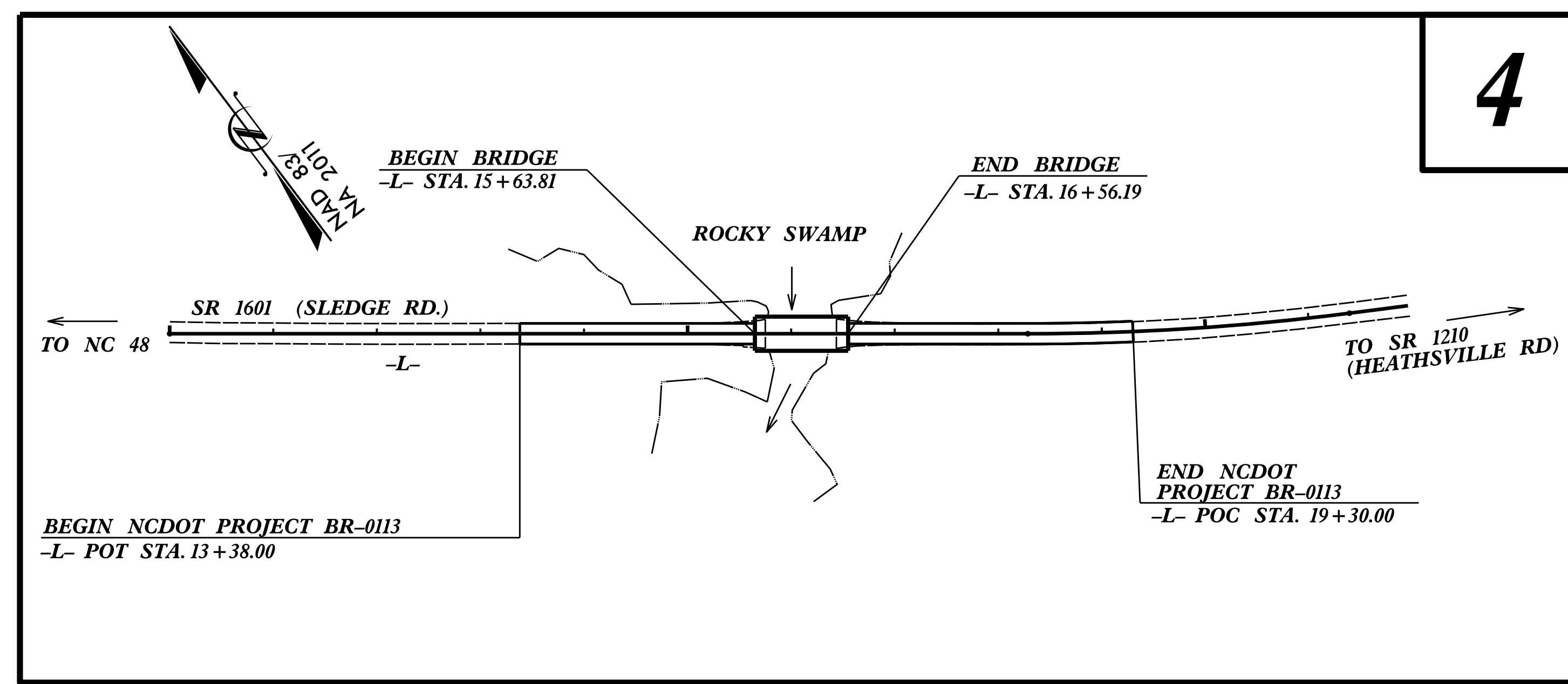
TIP PROJECT: BR-0113

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	BR-0113	RW01	XX

STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS

SURVEY CONTROL, EXISTING CENTERLINES,
 RIGHT OF WAY, EASEMENTS AND PROPERTY TIES

HALIFAX COUNTY



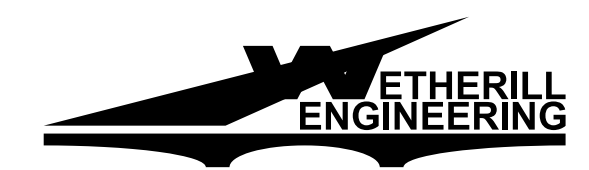
DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "BR0113-1" WITH NAD 83/NA 2011 STATE PLANE GRID COORDINATES OF NORTHING: 929,297.810(ft) EASTING: 2,348,018.480(ft) ELEVATION: 228.57(ft)

THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 1.00003375

THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "BR0113-1" TO -L- STATION 10+00 IS S 46-50'33.33" E 1,531.04(ft)

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



Prepared in the Office of:

1223 Jones Franklin Rd.
 Raleigh, N.C. 27606
 License No. F-0377
 Bus: 919 851 8077
 Fax: 919 851 8107

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
 CIVIL/SITE DESIGN - SURVEYING - CONSTRUCTION OBSERVATION

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
 07/24/2019

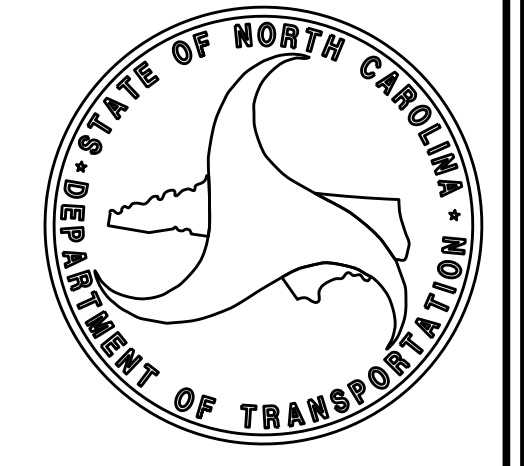
LETTING DATE:
 06/16/2020

PROFESSIONAL LAND SURVEYOR



DocuSigned by:
 Anthony K. Neff
 ANTHONY K. NEFF

1/20/2020
 Date:




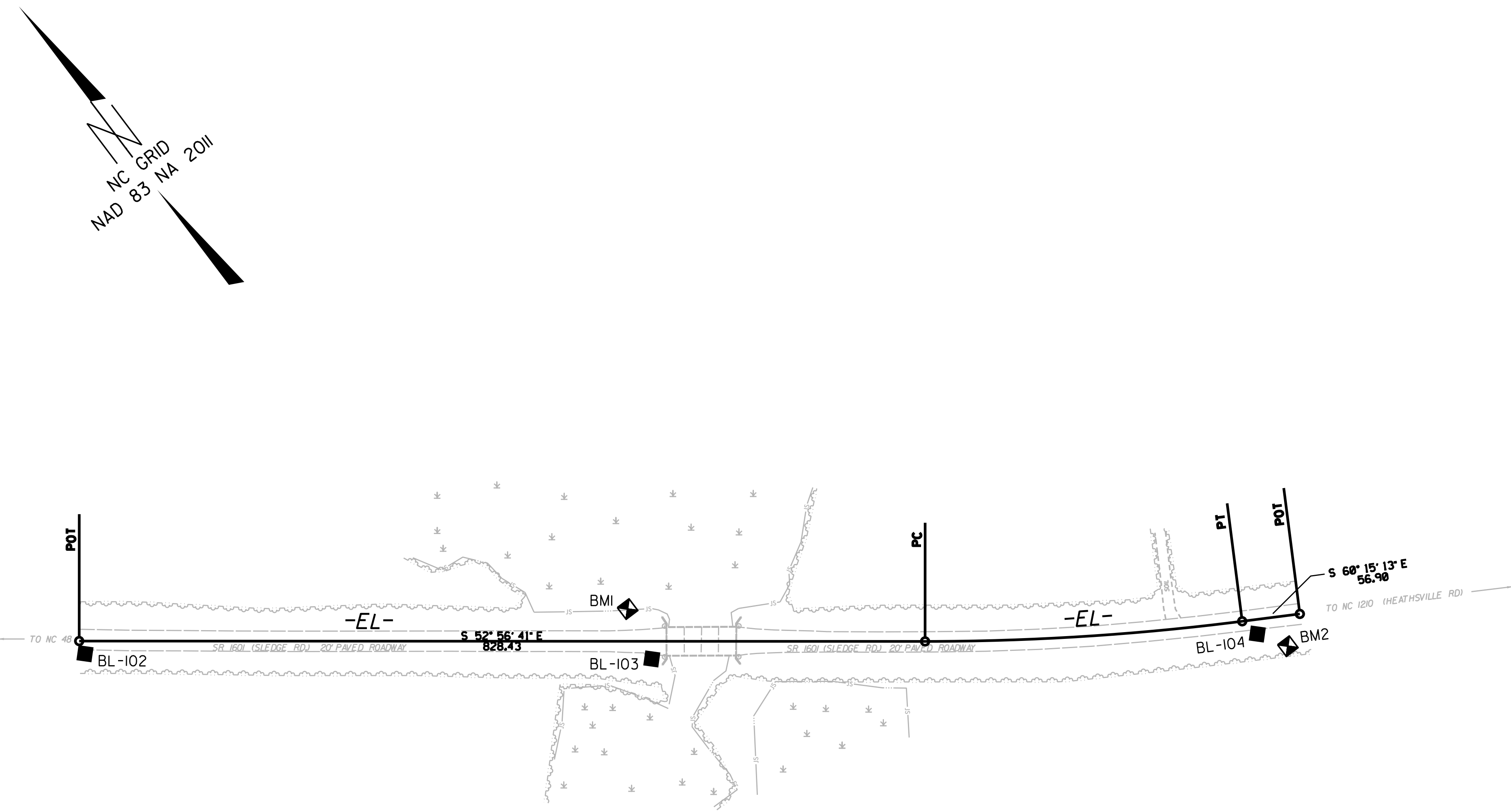
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\$\$\$\$\$ DDN \$\$\$\$\$\$
\$\$\$\$\$ USERNAME \$\$\$\$\$\$

6/2/09

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
BR-0113	RW02C-1
Location and Surveys	
	
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<small>TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN CIVIL/SITE DESIGN - SURVEYING - CONSTRUCTION OBSERVATION</small>	



SEE SHEET RW02C-2
FOR FURTHER
ALIGNMENT DETAILS

NOTES:

1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
2. 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

22-JAN-2018 12:26 Location and Surveys\BR0111.BR0112.BR0113.BR0116 Conv 19116.30\80-Drawings\BR-0113\80-Drawings\BR-0113.LLS-rw2cbbt.dgn
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SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PRIMARY CONTROL POINT	DESC.	NORTH	EAST	ELEVATION
1	BR0113 GPS-1	929297.8100	2348018.4800	228.57
2	BR0113 GPS-2	928949.0500	2348380.2600	216.46
101	BL-101	928601.7190	2348742.5680	206.00
102	BL-102	928237.2000	2349132.3020	196.03
103	BL-103	927898.8220	2349572.4060	183.48
104	BL-104	927561.1660	2350060.5080	197.27

BM1 ELEVATION = 179.46
 N 927952 E 2349583
 BENCHTIE NAIL SET IN 18" OAK

BM2 ELEVATION = 201.58
 N 927534 E 2350077
 BENCHTIE NAIL SET IN 18" PINE

EL	POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT		928250.573	2349135.336							
LINE				S 52°56'40.5" E	828.43					
PC		927751.370	2349796.470							
CURVE				S 56°35'56.6" E	311.22	07°18'32.2*(LT)	02°20'48.7"	311.44	155.93	2441.38
PT		927580.043	2350056.292							
LINE				S 60°15'12.7" E	56.90					
POT		927551.810	2350105.697							


NOTES:

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REVISIONS

6/2/09
 WETHERILL
 ENGINEERING
 BR-0113
 RW02C-2
 SURVEY CONTROL SHEET

PROPOSED ALIGNMENT CONTROL SHEET

PROJECT REFERENCE NO.	SHEET NO.
BR-0113	RW02D-1
Location and Surveys	
	1223 Jones Franklin Rd. Raleigh, N.C. 27606 License No. F-0377 Bus: 919 851 8077 Fax: 919 851 8107
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN CIVIL/SITE DESIGN - SURVEYING - CONSTRUCTION OBSERVATION	

L

TYPE	STATION	NORTH	EAST
POT	10+00.00	928250.5733	2349135.3364
PC	18+28.43	927751.3704	2349796.4700
PT	21+39.87	927580.0433	2350056.2920
POT	21+96.77	927551.8100	2350105.6970

NOTES:

1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
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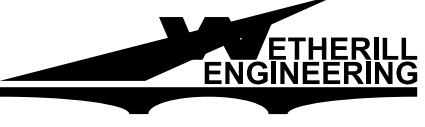
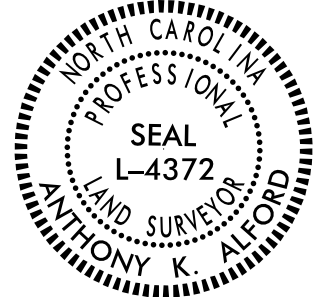
REVISIONS

6/2/09

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6/2/19

RIGHT OF WAY CONTROL SHEET

PROJECT REFERENCE NO. BR-0113	SHEET NO. RW03E-1
Location and Surveys	
	
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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN CIVIL/SITE DESIGN - SURVEYING - CONSTRUCTION OBSERVATION	
PROJECT SURVEYOR 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

REVISIONS

ROW MARKER IRON PIN AND CAP-E				
ALIGN	STATION	OFFSET	NORTH	EAST
L	14+50.00	45.00	927943.4968	2349467.3439
L	14+50.00	30.00	927955.4676	2349476.3827
L	14+50.00	-30.00	928003.3507	2349512.5379
L	14+50.00	-40.00	928011.3313	2349518.5638
L	18+00.00	-40.00	927800.4258	2349797.8824
L	18+00.00	-30.00	927792.4453	2349791.8566
L	18+00.00	45.00	927732.5913	2349746.6625
L	18+00.00	30.00	927744.5621	2349755.7013

I, ANTHONY K. ALFORD, a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work item(s) (Base map Compilation, R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures.

I further certify that the data compiled came from available surveys/mapping performed by others and provided to me by NCDOT and do not certify to the accuracy or quality of the individual data sources.

I further certify that the right of way and permanent easement points shown herein and outlined in the tables shown hereon (localized coordinates, station/offset) have been checked and are accurate representations of the right of way and permanent easement points depicted on the corresponding highway plans. I also certify that the right of way and permanent easement points shown herein have been field monumented under my supervision from existing survey control provided by others; that the depicted property data shown herein were surveyed by others; and these monuments denote the right of way and easement boundaries at the time of staking which may be subject to change due to right of way revisions (See deeds for final determination).

Witness my original signature, registration number and seal this 22nd day of November, 2019.

DocuSigned by:
Anthony K. Alford
228A29B2F0544E

Professional Land Surveyor

L-4372
PLS #

Seal



NOTES:

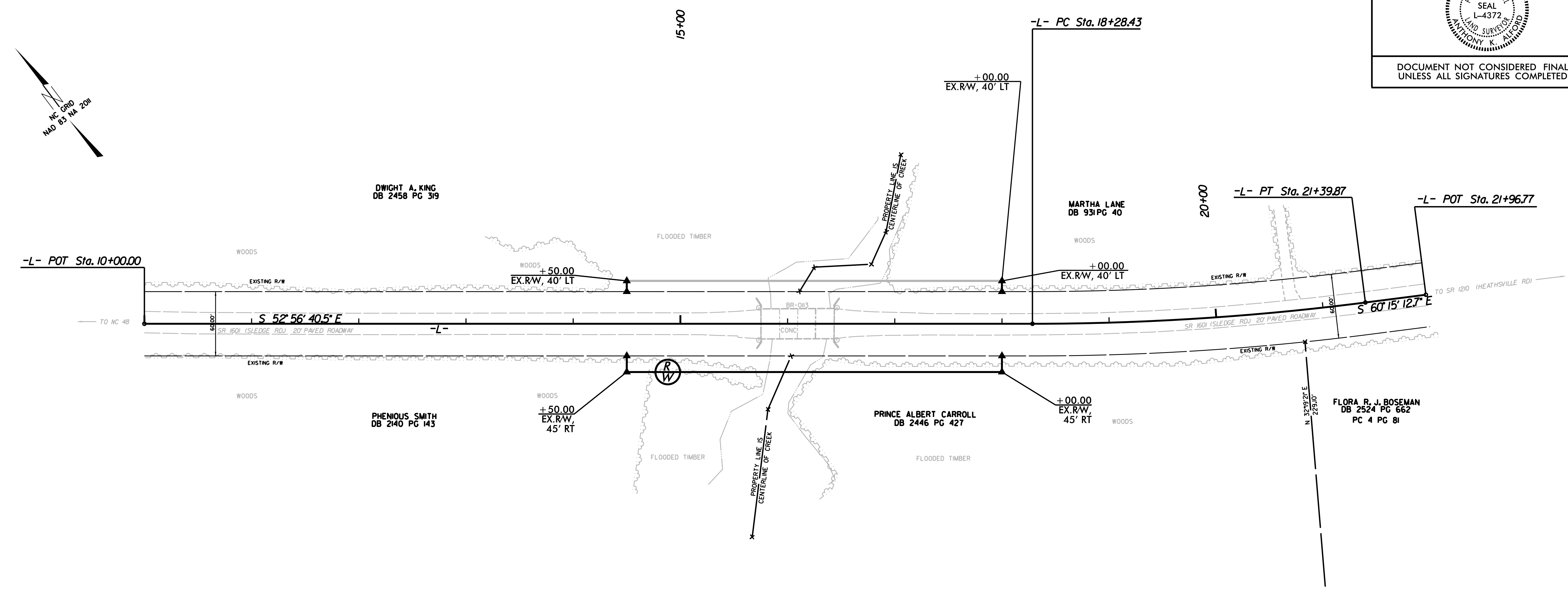
1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.

22-Nov-2019 09:20
 Location and Surveys\Div. 4 Bridge RW Projects\80-Drawings\BR-0113\Control Sheets\br0113_ls_rw03e-1.dgn
 AT PAI-155053

6/2/20

PROJECT REFERENCE NO. BR-0113	SHEET NO. RW04
Location and Surveys	
	
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PROJECT SURVEYOR	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



REVISIONS

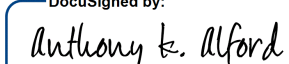
Projects\80-Drawings\BR-0113\Control Sheets\br0113_1s_r.w4.dgn

I, ANTHONY K. ALFORD, a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work item(s) (Base map Compilation, R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures.

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I further certify that the right of way and permanent easement points shown herein and outlined in the tables shown hereon (localized coordinates, station/offset) have been checked and are accurate representations of the right of way and permanent easement points depicted on the corresponding highway plans. I also certify that the right of way and permanent easement points shown herein have been field monumented under my supervision from existing survey control provided by others; that the depicted property data shown herein were surveyed by others; and these monuments denote the right of way and easement boundaries at the time of staking which may be subject to change due to right of way revisions (See deeds for final determination).

Witness my original signature, registration number and seal this 2nd day of January, 2020.

DocuSigned by:

 22BA2962F0B44AE

Professional Land Surveyor L-4372 Seal
 PLS #

PI Sta 19+84.36
 $\Delta = 7' 18" 32.2" (LT)$
 $D = 2' 20" 48.7"$
 $L = 311.44'$
 $T = 155.93'$
 $R = 2,441.38'$
 $DS = 55MPH$
 $SE = SEE PLANS$

NOTES:

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