

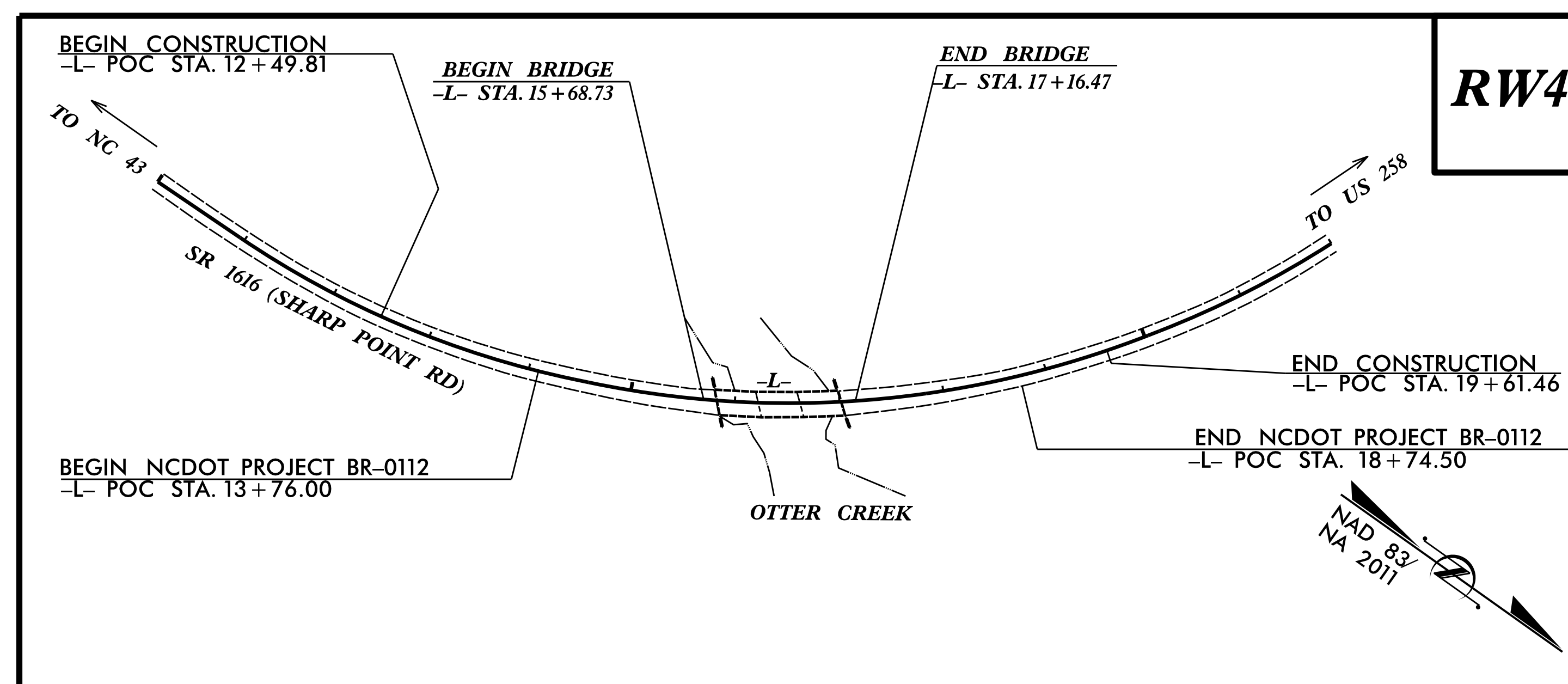
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	BR-0112	RW01	XX

TIP PROJECT: BR-0112

STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS

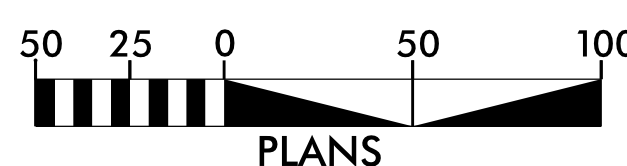
SURVEY CONTROL, EXISTING CENTERLINES,
 RIGHT OF WAY, EASEMENTS AND PROPERTY TIES

EDGECOMBE COUNTY



RW4

GRAPHIC SCALE



DATUM DESCRIPTION

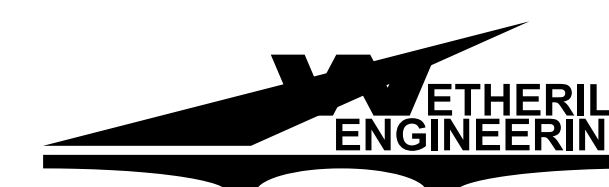
THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY OTHERS FOR MONUMENT "BR0112-2" WITH NAD 83/NA 2011 STATE PLANE GRID COORDINATES OF NORTHING: 723,308.2480(ft) EASTING: 2,411,651.5455(ft) ELEVATION: 66.86(ft)

THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.999909293825

THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "BR0112-2" TO -L- STATION 10+00 IS S 12-17°00.97" W 52.28(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:
 9/30/2019

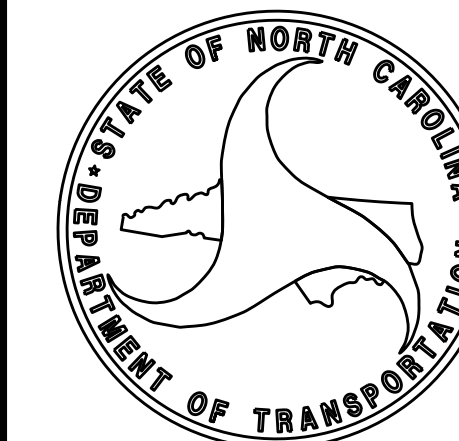
LETTING DATE:
 7/21/2020

PROFESSIONAL LAND SURVEYOR



DocuSigned by:
 Anthony K. Alford
 SIGNATURE

12/2/2019
 Date:




\$\$\$\$\$ SYSTEM TIME\$\$\$\$\$
 \$\$\$ DDN\$\$\$\$\$
 \$\$\$ USERNAME\$\$\$\$\$

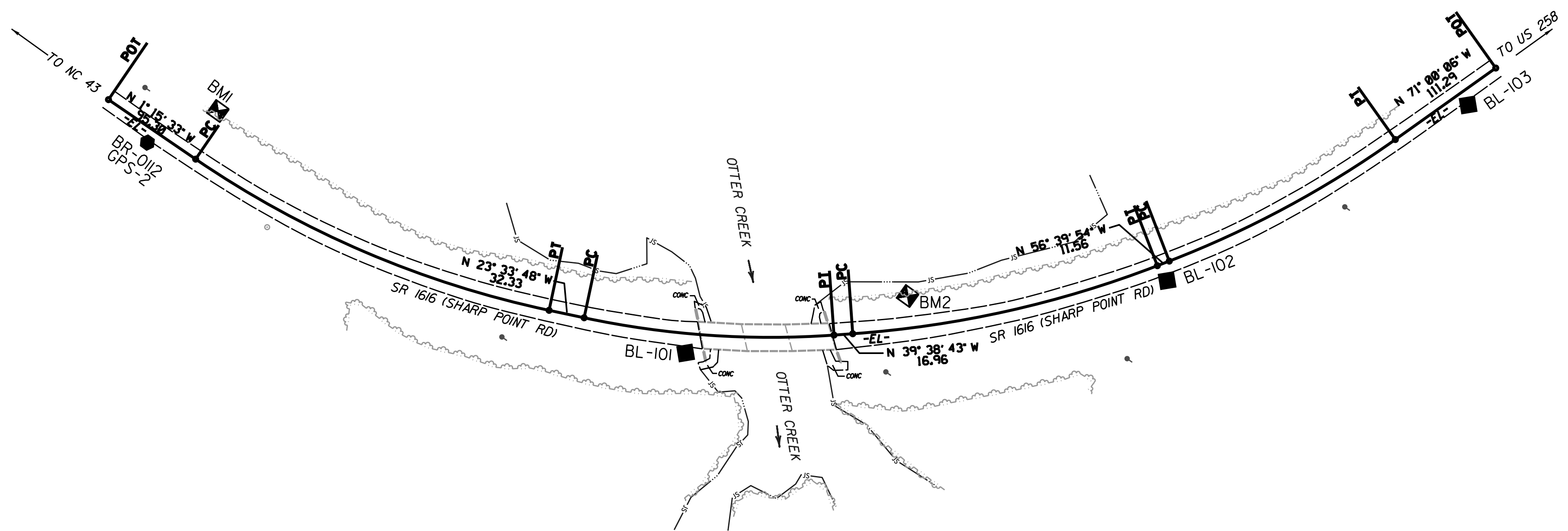
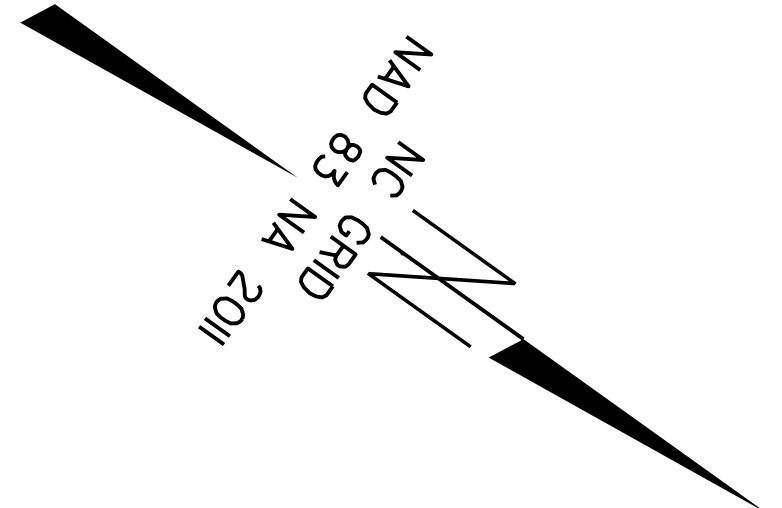
6/2/09

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
BR-0112	RW02C-1
Location and Surveys	
	
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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN CIVIL/SITE DESIGN - SURVEYING - CONSTRUCTION OBSERVATION	

BR-0112
GPS-1



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.

DATE PLOTTED: 6/2/09 10:58 AM
SCALE: AS SHOWN
DRAWN BY: J. WETHERILL
CHECKED BY: J. WETHERILL
DATE: 6/2/09

6/2/09

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO. BR-0112	SHEET NO. RW02C-2
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	

REVISIONS

BL	POINT	DESC.	NORTH	EAST	ELEVATION
1		BR0112-1	722714.1700	2411653.1900	75.93
2		BR0112-2	723308.2500	2411651.5500	66.86
101		BL - 101	723814.1200	2411523.2640	63.04
102		BL - 102	724129.7790	2411217.3100	63.20
103		BL - 103	724258.6150	2410930.1920	63.43

```

*****
BM1      ELEVATION = 69.77
N 723344      E 2411591
BENCHTIE NAIL SET IN 24" PINE
*****
BM2      ELEVATION = 59.69
N 723947      E 2411365
BENCHTIE NAIL SET IN 17" HARDWOOD
*****
    
```


EL									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	723257.166	2411640.427							
LINE			N 01°15'32.8" W	95.30					
PC	723352.441	2411638.333							
CURVE			N 12°24'40.3" W	347.10	22°18'15.0(LT)	06°23'07.6"	349.30	176.89	897.29
PT	723691.426	2411563.733							
LINE			N 23°33'47.8" W	32.33					
PC	723721.063	2411550.808							
CURVE			N 31°36'15.5" W	226.18	16°04'55.4(LT)	07°05'13.2"	226.92	114.21	808.46
PT	723913.697	2411432.278							
LINE			N 39°38'43.2" W	16.96					
PC	723926.756	2411421.457							
CURVE			N 48°09'18.4" W	281.83	17°01'10.4(LT)	06°01'00.1"	282.87	142.49	952.28
PT	724114.772	2411211.504							
LINE			N 56°39'53.6" W	11.56					
PC	724121.123	2411201.849							
CURVE			N 63°49'59.8" W	231.75	14°20'12.3(LT)	06°10'13.0"	232.35	116.79	928.58
PT	724223.320	2410993.853							
LINE			N 71°00'05.9" W	111.29					
POT	724259.549	2410888.626							

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.

DATE PLOTTED: 6/2/09 10:58 AM

PROPOSED ALIGNMENT CONTROL SHEET

PROJECT REFERENCE NO.	SHEET NO.
BR-0112	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	

REVISIONS

TYPE	STATION	NORTH	EAST
POT	10+00.00	723257.1660	2411640.4272
PC	10+95.30	723352.4409	2411638.3331
PT	14+44.60	723691.4257	2411563.7330
PC	14+58.70	723704.3512	2411558.0959
PCC	17+83.38	723973.7675	2411379.8139
PT	20+03.44	724114.7725	2411211.5037
PC	20+15.00	724121.1229	2411201.8490
PT	22+47.35	724223.3195	2410993.8533
POT	23+58.64	724259.5488	2410888.6260

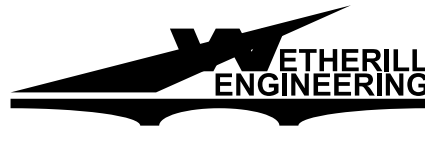
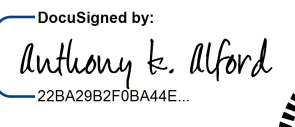
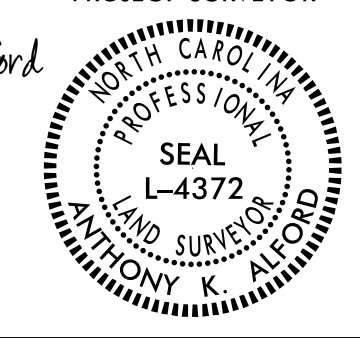
NOTES:

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

6/2/09
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 Location and Surveys\Div. 4 Bridge RW Projects\80-Drawings\BR-0112\Control Sheets\br0112_1s_rw02d-1.dgn

6/2/19

RIGHT OF WAY CONTROL SHEET

PROJECT REFERENCE NO. BR-0112	SHEET NO. RW03E-1
Location and Surveys	
	
1223 Jones Franklin Rd. Raleigh, N.C. 27606 License No. F-0377 Bus: 919 851 8077 Fax: 919 851 8107	
<small>TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN CIVIL/SITE DESIGN - SURVEYING - CONSTRUCTION OBSERVATION</small>	
PROJECT SURVEYOR 	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

REVISIONS

I:\NOV-2019\1307 Location and Surveys\Div. 4 Bridge RW Projects\80-Drawings\BR-0112\Control Sheets\br0112_1s_rw03e-1.dgn

ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
L	14+58.70	-45.00	723686.3619	2411516.8480
L	14+58.70	-30.00	723692.3584	2411530.5973
L	14+75.00	45.00	723737.9419	2411592.3773
L	14+75.00	30.15	723731.7680	2411578.8677
L	17+83.38	45.00	724004.7005	2411412.4965
L	17+83.38	-45.00	723942.8345	2411347.1314
L	18+15.00	45.00	724028.3662	2411389.3408
L	18+15.00	30.00	724017.6992	2411378.7949
L	18+15.00	-45.00	723964.3645	2411326.0654
L	18+15.00	-30.00	723975.0314	2411336.6113

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 19th day of November, 2019.

DocuSigned by:

 228A29B2F0B44E
 Professional Land Surveyor

L-4372
 PLS * Seal

NOTES:

- IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
- PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.

6/2/19

PERMANENT EASEMENT CONTROL SHEET

PROJECT REFERENCE NO. BR-0112	SHEET NO. RW03E-2
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	
PROJECT SURVEYOR	
DocuSigned by: 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

REVISIONS

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 11/19/2019 10:03:13 AM
 Anthony K. Alford
 L-4372

ROW MARKER PERMANENT EASEMENT - E

ALIGN	STATION	OFFSET	NORTH	EAST
L	12+49.81	30.00	723511.6474	2411651.1241
L	12+87.19	50.00	723554.0572	2411662.3251
L	12+88.08	43.31	723553.4013	2411655.6045
L	13+05.89	52.96	723573.9626	2411660.3823
L	13+06.91	46.30	723573.3067	2411653.6617
L	15+06.00	67.37	723777.2289	2411598.4112
L	15+06.00	65.18	723776.2539	2411596.4520
L	15+24.68	68.08	723795.3912	2411589.9430
L	15+24.68	65.69	723794.2832	2411587.8237
L	17+34.60	61.00	723977.0440	2411458.8359
L	17+34.60	66.42	723980.5607	2411462.9621
L	17+53.23	67.61	723996.4063	2411450.7590
L	17+53.23	61.99	723992.6805	2411446.5595
L	19+42.88	83.32	724146.4631	2411311.1287
L	19+43.20	90.41	724152.3405	2411315.1069
L	19+61.46	89.60	724163.5510	2411298.5441
L	19+61.46	30.00	724115.2511	2411263.6311

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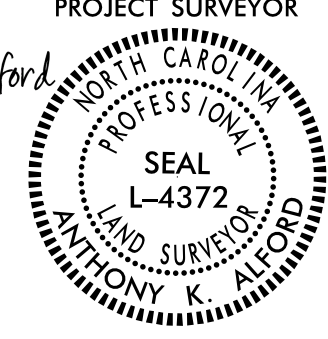
Witness my original signature, registration number and seal this 19th day of November, 2019.

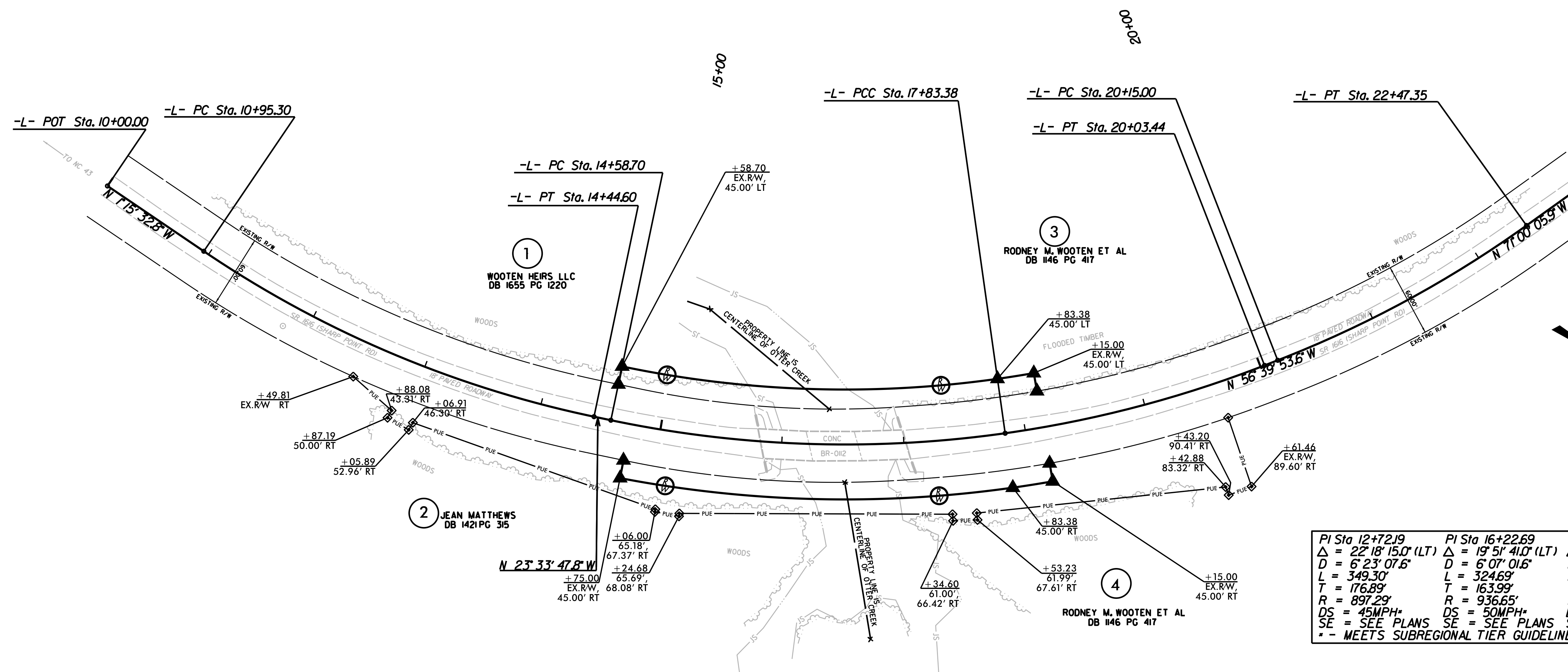
DocuSigned by:

 Professional Land Surveyor L-4372 Seal
 PLS *

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.

PROJECT REFERENCE NO. BR-0112	SHEET NO. RW04
Location and Surveys	
	
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DocuSigned by: Anthony K. Alford 228A2962F08A44E...	PROJECT SURVEYOR 
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



PI Sta 12+72.19	PI Sta 16+22.69	PI Sta 18+93.90	PI Sta 21+31.78
$\Delta = 22' 18" 15.0" (LT)$	$\Delta = 19' 51" 41.0" (LT)$	$\Delta = 13' 14" 24.8" (LT)$	$\Delta = 14' 20" 12.3" (LT)$
$D = 6' 23' 07.6"$	$D = 6' 07' 01.6"$	$D = 6' 01' 00.1"$	$D = 6' 10' 13.0"$
$L = 349.30'$	$L = 324.69'$	$L = 220.06'$	$L = 232.35'$
$T = 176.89'$	$T = 163.99'$	$T = 110.52'$	$T = 116.79'$
$R = 897.29'$	$R = 936.65'$	$R = 952.28'$	$R = 928.58'$
$DS = 45MPH^*$	$DS = 50MPH^*$	$DS = 50MPH^*$	$DS = 50MPH^*$
$SE = SEE PLANS$	$SE = SEE PLANS$	$SE = SEE PLANS$	$SE = SEE PLANS$
$* - MEETS SUBREGIONAL TIER GUIDELINES$			

REVISIONS

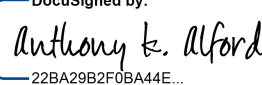
6/2/2019
P:\2019\NCDOT\Location and Surveys\Div. 4 Bridge RW Projects\80-Drawings\BR-0112\Control Sheets\br-0112_1s_r-w04.dgn

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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DocuSigned by:

 228A2962F08A44E...
 Professional Land Surveyor L-4372 Seal
 PLS #

NOTES:

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