

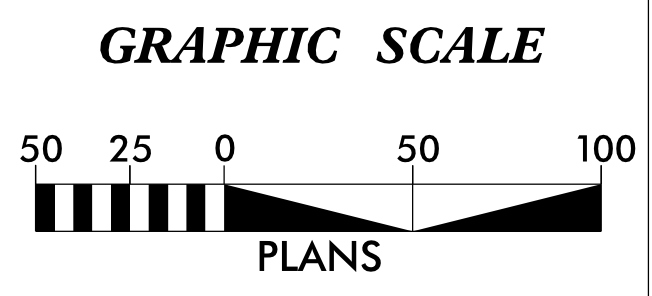
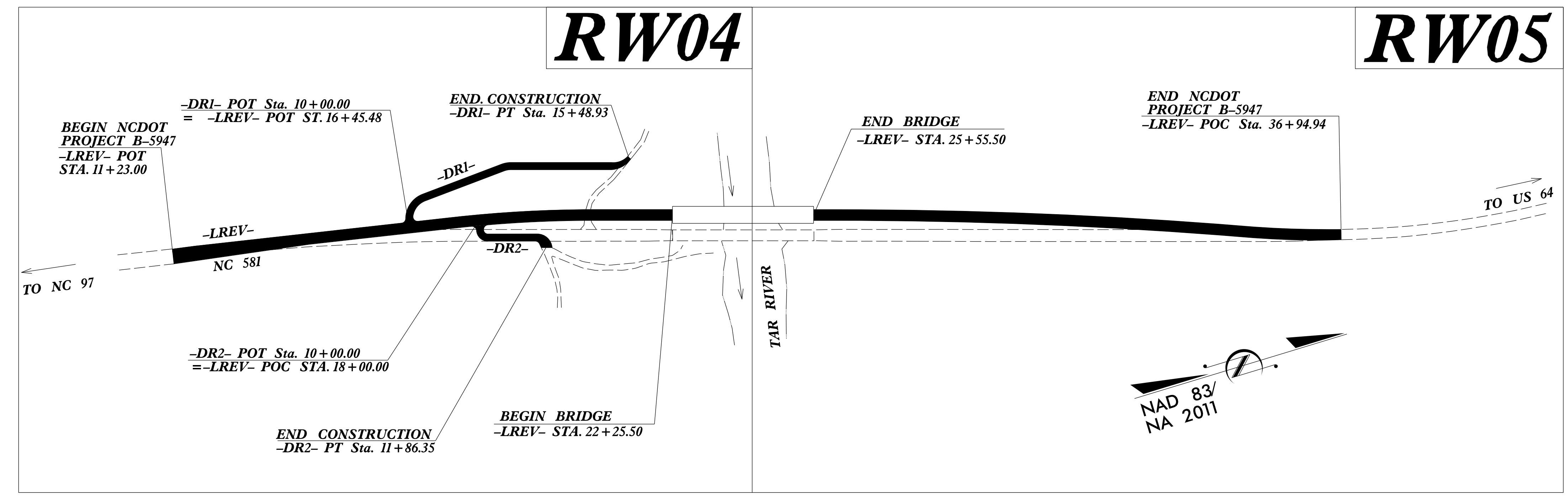
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-5947	RW01	

TIP PROJECT: B-5947

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

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

NASH COUNTY



DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCGS FOR MONUMENT "B-5947-2" WITH NAD 83/NA 2011 STATE PLANE GRID COORDINATES OF NORTHING: 779,181.67(ft) EASTING: 2,270,122.59(ft) ELEVATION: 171.47(ft)
THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.999931299
THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "B-5947-2" TO -LREV- STATION 11+23.00 IS S 11-50'16.3" W 3,254.79(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 - GIS/GPS - CONSTRUCTION OBSERVATION

2018 STANDARD SPECIFICATIONS

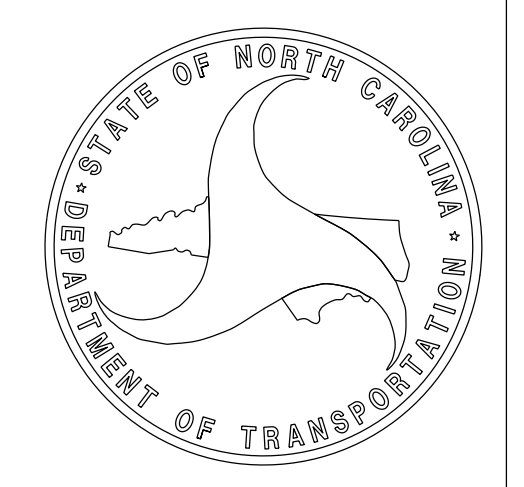
RIGHT OF WAY DATE: 06/01/2021
LETTING DATE: 07/19/2022

PROFESSIONAL LAND SURVEYOR

DocuSigned by:
Anthony K. Record
228A2982F0BA44E

7/29/2021

SIGNATURE: _____ Date: _____




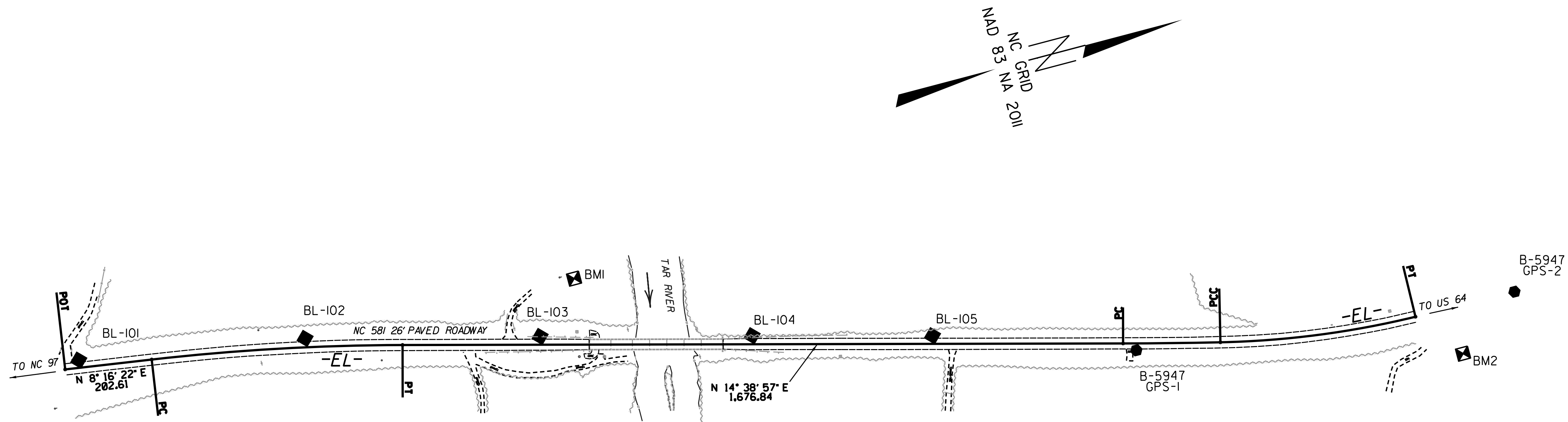
\$\$\$\$\$ SYSTEM \$\$\$\$\$\$
\$\$\$\$\$ DDN \$\$\$\$\$\$
\$\$\$\$\$ USERNAME \$\$\$\$\$\$

6/2/09

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO. B-5947	SHEET NO. RW02C-1
Location and Surveys	
	
1223 Jones Franklin Rd. Raleigh, N.C. 27605 License No. F43277 Bus: 919 851 8077 Fax: 919 851 8107	
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN CIVIL/SITE DESIGN - SURVEYING - CONSTRUCTION OBSERVATION	



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.


SCHEMATIC CONSTRUCTION

6/2/09

REVISIONS

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO. B-5947	SHEET NO. RW02C-2
Location and Surveys	
	
<small>1223 Jones Franklin Rd. Raleigh, N.C. 27605 License No. F43277 Bus: 919 851 8077 Fax: 919 851 8107</small>	
<small>TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN CIVIL/SITE DESIGN - SURVEYING - CONSTRUCTION OBSERVATION</small>	

BL	POINT	DESC.	NORTH	EAST	ELEVATION
	101	BL - 101	775910.4070	2269424.2580	194.94
	102	BL - 102	776432.5150	2269509.7410	181.85
	103	BL - 103	776962.5550	2269644.8820	157.91
	104	BL - 104	777440.0940	2269768.9950	156.90
	105	BL - 105	777845.9880	2269876.0820	156.94
	1	B5947-1	778296.0800	2270029.8700	158.85
	2	B5947-2	779181.6700	2270122.5900	171.47

 BM1 ELEVATION = 146.10
 N 777073 E 2269535
 BENCHTIE NAIL SET IN 16" HARDWOOD

 BM2 ELEVATION = 166.57
 N 779029 E 2270231
 BENCHTIE NAIL SET IN 15" PINE



EL	POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
	POT	775874.380	2269437.194							
	LINE			N 08°16'22.5" E	202.61					
	PC	776074.883	2269466.347							
	CURVE			N 11°27'40.0" E	584.76	06°22'34.9(RT)	01°05'23.5"	585.06	292.83	5257.17
	PT	776647.984	2269582.541							
	LINE			N 14°38'57.4" E	1676.84					
	PC	778270.309	2270006.615							
	CURVE			N 14°05'44.4" E	226.50	01°06'26.0(LT)	00°29'19.8"	226.50	113.26	11720.96
	PCC	778489.991	2270061.778							
	CURVE			N 07°19'05.6" E	457.81	12°26'51.6(LT)	02°42'49.1"	458.71	230.26	2111.40
	PT	778944.068	2270120.093							

NOTES:

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WETHERILL ENGINEERING

PERMANENT EASEMENT CONTROL SHEET

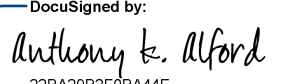
PROJECT REFERENCE NO. B-5947	SHEET NO. RW03E-2
Location and Surveys	
	
1223 Jones Franklin Rd. Raleigh, N.C. 27606 License No. F-0377 Bus: 919 851 8077 Fax: 919 851 8107	
<small>TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION</small>	
PROJECT SURVEYOR 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

REVISIONS

P:\JULY 2021\1911\Location and Surveys\B-5947 RW 21128.30\80-Drawings\RW-SHEETS\B5947_1s_rw03e-2.dgn
 1911\K11011\AT_FAL-W5083
 TAlford

ROW MARKER PERMANENT EASEMENT-E				
ALIGN	STATION	OFFSET	NORTH	EAST
LREV	15+77.30	-45.00	776452.1499	2269475.7290
LREV	18+56.89	-120.62	776744.2134	2269444.2076
LREV	18+77.49	-123.11	776765.8037	2269445.8059
LREV	18+83.73	81.35	776732.5890	2269647.6479
LREV	18+95.56	97.76	776740.5922	2269665.9768
LREV	18+99.53	70.63	776749.7566	2269640.1518
LREV	19+32.66	72.21	776781.0204	2269648.3242
LREV	20+91.01	-117.47	776979.7463	2269501.6440
LREV	20+91.01	-143.82	776986.4004	2269476.1490
LREV	21+01.80	-87.91	776982.7207	2269532.9737
LREV	21+46.92	-123.43	777035.3436	2269509.9963
LREV	21+50.01	-119.50	777037.3444	2269514.5785
LREV	21+58.10	-125.87	777046.7758	2269510.4604
LREV	21+73.58	-138.06	777064.8378	2269502.5738
LREV	21+85.95	-122.34	777072.8410	2269520.9027
LREV	21+85.95	-87.44	777064.0251	2269554.6805
LREV	22+37.50	103.14	777065.7731	2269752.0946
LREV	22+37.50	74.76	777072.9407	2269724.6319
LREV	25+05.00	74.86	777331.7448	2269792.2831
LREV	25+05.00	90.00	777327.9208	2269806.9349
LREV	25+61.65	103.94	777379.2099	2269834.7290
LREV	25+65.00	74.88	777389.7944	2269807.4572
LREV	25+65.00	90.00	777385.9760	2269822.0871
LREV	25+97.50	74.56	777421.2231	2269815.3361
LREV	25+97.50	93.25	777416.4781	2269833.4171
LREV	30+20.00	83.00	777822.5626	2269937.6394
LREV	30+20.00	66.48	777827.3596	2269921.8364
LREV	30+55.00	65.07	777861.0489	2269930.6427
LREV	30+55.00	83.00	777855.7873	2269947.7819
LREV	33+16.00	-40.95	778141.6647	2269909.1059
LREV	33+40.00	-55.00	778168.9783	2269903.4191
LREV	33+60.00	-41.63	778183.7552	2269922.4951

I, Anthony K. Alford, PLS, certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed from July 20, 2021 to July 22, 2021, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.



This 29th day of July, 2021.
 DocuSigned by:

 226A29E2F06A44E
 Professional Land Surveyor L-4372

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.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED JULY 20, 2021 TO JULY 22, 2021 .


REVISIONS

P:\2021\20210617_Location_and_Surveys\B-5947_RW_21128.30\80-Drawings\RW-SHEETS\test.dgn
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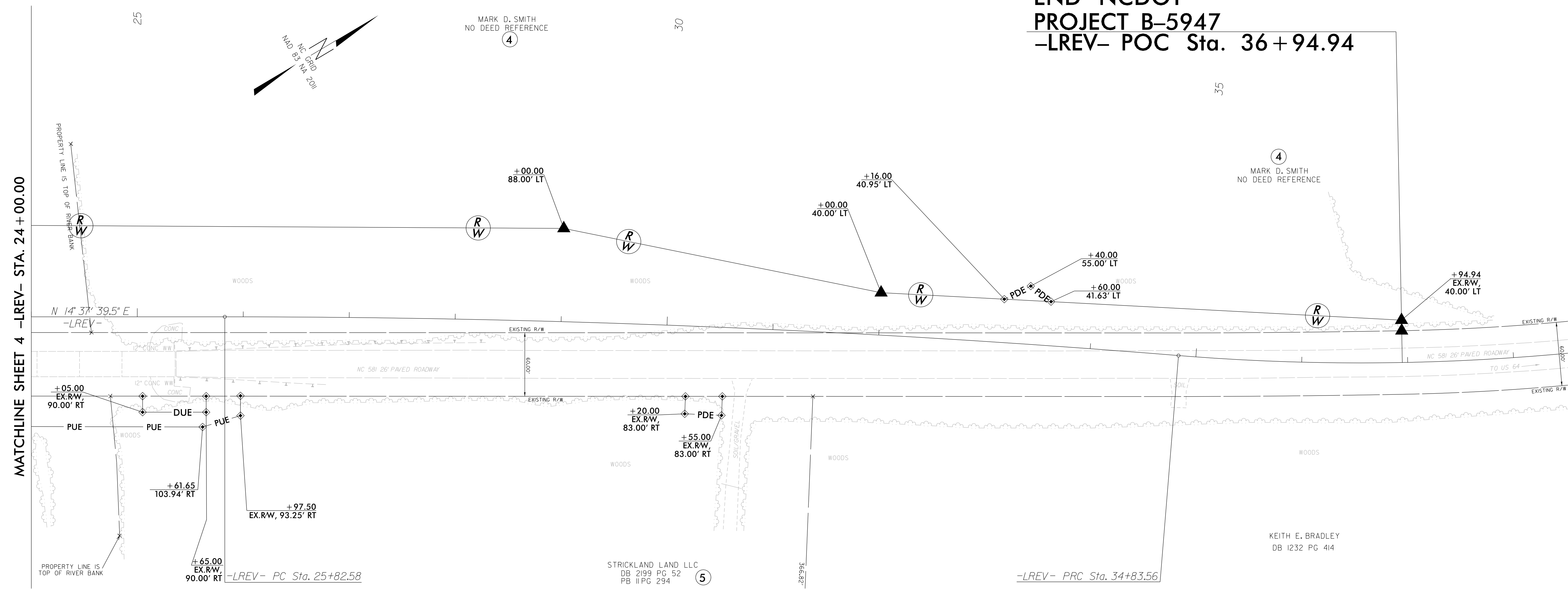
PROJECT REFERENCE NO. B-5947	SHEET NO. RW05
Location and Surveys	
 1223 Jones Franklin Rd. Raleigh, N.C. 27606 License No. F-0377 Bus: 919 851 8077 Fax: 919 851 8107	
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION	
PROJECT SURVEYOR	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

I, Anthony K. Alford, PLS, certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed from July 20, 2021 to July 22, 2021, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 29th day of July, 2021.

DocuSigned by:

 228A282F2F8A44E
 Professional Land Surveyor L-4372

END NCDOT PROJECT B-5947 -LREV- POC Sta. 36 + 94.94



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.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED JULY 20, 2021 TO JULY 22, 2021 .