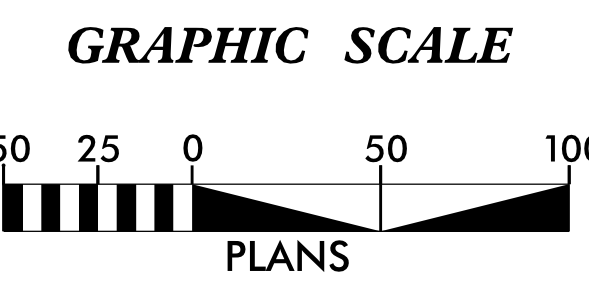
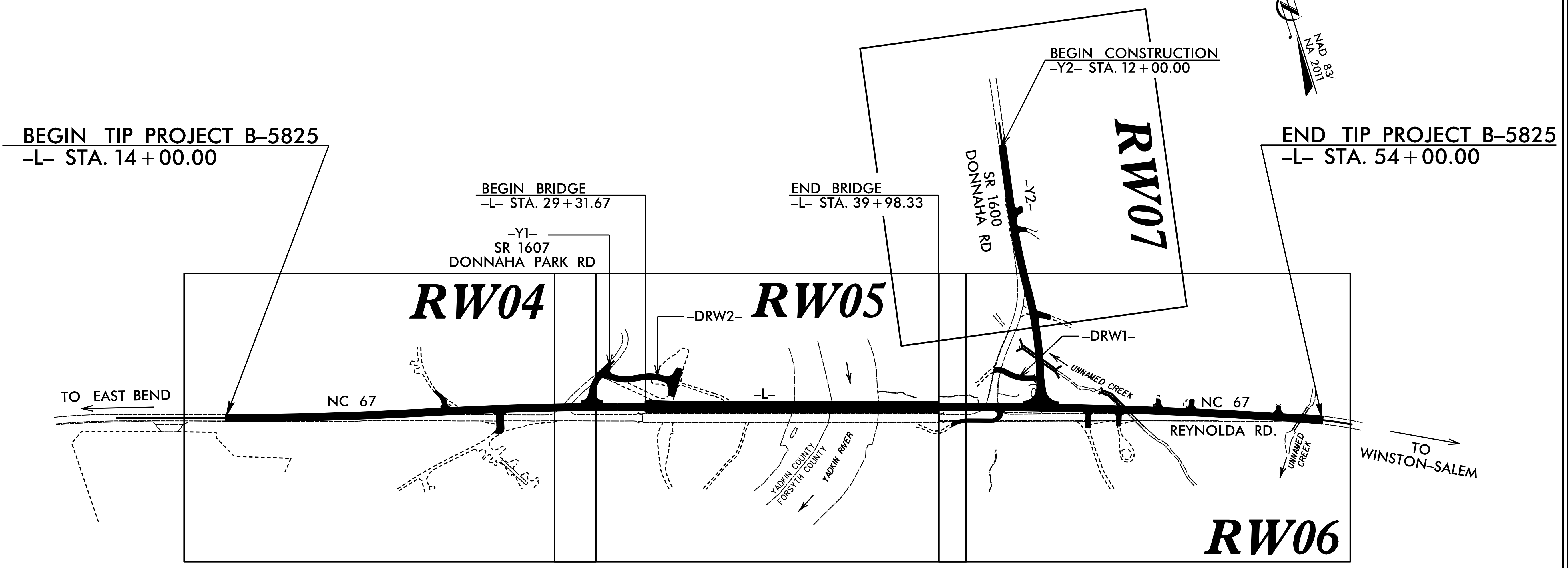


09/06/19

TIP PROJECT: B-5825

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-5825	RW01	

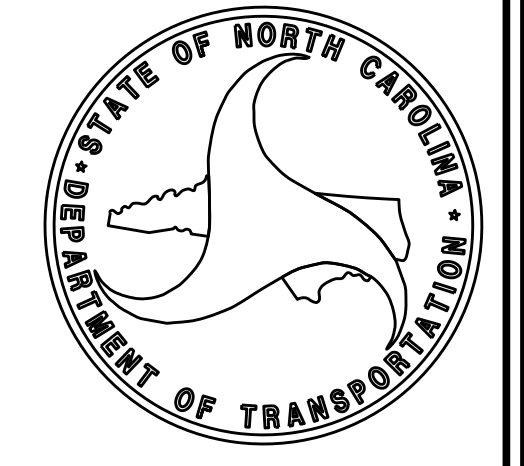
STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS
 SURVEY CONTROL, EXISTING CENTERLINES,
 RIGHT OF WAY, EASEMENTS AND PROPERTY TIES
YADKIN & FORSYTH COUNTIES



DATUM DESCRIPTION
 THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "B5825-2" WITH NAD 83/NA 2011 STATE PLANE GRID COORDINATES OF NORTHING: 900,836,3820(ft) EASTING: 1,576,810,6327(ft) ELEVATION: 769.45(ft)
 THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.9999828564
 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "B5825-2" TO -L- STATION 10+00.00 IS N 71°47'02.6" W 1,896.28(ft)
 ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NAVD 88

Prepared in the Office of:
Allied Associates, P.A.
 4720 KESTER MILL ROAD Phone (336) 765-2377
 WINSTON-SALEM, N.C. 27103 FAX 760-8886
 WWW.ALLIEDAPA.COM C-2198

PROFESSIONAL LAND SURVEYOR



2018 STANDARD SPECIFICATIONS
RIGHT OF WAY DATE: _____ **LETTING DATE:** _____

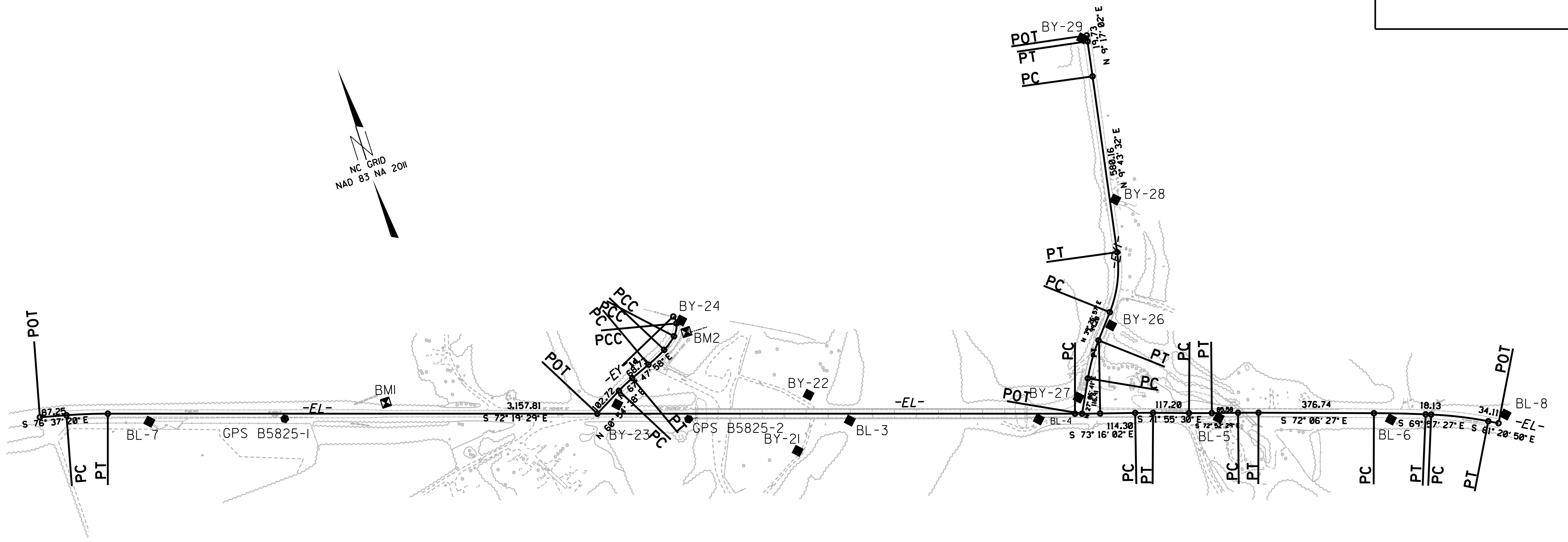
DocuSigned by:
Lewis Moore
 084C114FBF2B429... 10/14/2019
 SIGNATURE: _____ Date: _____

\$\$\$\$\$ SYSTEM TIME\$\$\$\$\$
 \$\$\$ DDNN\$\$\$\$\$
 \$\$\$ USERNAME\$\$\$\$\$

PROJECT REFERENCE NO.	SHEET NO.
B-5825	RW02C-1
Location and Surveys	
INSERT CONSULTANT'S NAME	

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



SEE SHEET RW02C-3 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.

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

EL

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	901485.477	1574794.447							
LINE			S 76°37'20.2" E	87.25					
PC	901465.290	1574879.328							
CURVE			S 74°28'24.7" E	134.98	04°17'51.0"(RT)	03°10'59.2"	135.01	67.54	1800.00
PT	901429.159	1575009.381							
LINE			S 72°19'29.2" E	3157.81					
PC	900470.380	1578018.124							
CURVE			S 72°47'45.7" E	82.25	00°56'33.0"(LT)	01°08'45.3"	82.25	41.12	5000.00
PT	900446.053	1578096.690							
LINE			S 73°16'02.1" E	114.30					
PC	900413.145	1578206.152							
CURVE			S 72°35'46.2" E	58.56	01°20'31.8"(RT)	02°17'30.6"	58.56	29.28	2500.00
PT	900395.629	1578262.034							
LINE			S 71°55'30.3" E	117.20					
PC	900359.265	1578373.453							
CURVE			S 72°23'59.5" E	74.58	00°56'58.5"(LT)	01°16'23.7"	74.58	37.29	4500.00
PT	900336.715	1578444.540							
LINE			S 72°52'28.8" E	85.58					
PC	900311.516	1578526.323							
CURVE			S 72°29'27.9" E	66.95	00°46'01.8"(RT)	01°08'45.3"	66.95	33.47	5000.00
PT	900291.374	1578590.169							
LINE			S 72°06'27.0" E	376.74					
PC	900175.626	1578948.691							
CURVE			S 71°01'57.2" E	168.84	02°08'59.5"(RT)	01°16'23.7"	168.85	84.43	4500.00
PT	900120.748	1579108.364							
LINE			S 69°57'27.4" E	18.13					
PC	900114.536	1579125.392							
CURVE			S 65°39'08.6" E	187.67	08°36'37.6"(RT)	04°35'01.2"	187.85	94.10	1250.00
PT	900037.163	1579296.375							
LINE			S 61°20'49.8" E	34.11					
POT	900020.806	1579326.311							

EY

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	900943.839	1576532.361							
LINE			N 60°54'37.8" E	102.72					
PC	900993.780	1576622.126							
CURVE			N 64°21'17.9" E	60.08	06°53'20.1"(RT)	11°27'33.0"	60.12	30.09	500.00
PT	901019.783	1576676.289							
LINE			N 67°47'57.9" E	68.73					
PC	901045.751	1576739.919							
CURVE			N 64°25'12.5" E	70.73	06°45'30.7"(LT)	09°32'57.5"	70.78	35.43	600.00
PCC	901076.292	1576803.720							
CURVE			N 53°10'31.6" E	54.74	15°43'51.2"(LT)	28°38'52.4"	54.91	27.63	200.00
PC	901109.100	1576847.537							
CURVE			N 28°49'58.4" E	42.54	32°57'15.1"(LT)	76°23'39.7"	43.14	22.18	75.00
PCC	901146.371	1576868.055							
CURVE			N 06°56'33.7" W	25.12	38°35'49.2"(LT)	150°46'42.1"	25.60	13.31	38.00
PT	901171.304	1576865.019							

EY1

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	900463.395	1578040.219							
LINE			N 27°06'40.5" E	116.91					
PC	900567.456	1578093.495							
CURVE			N 33°16'48.8" E	128.95	12°20'16.6"(RT)	09°32'57.5"	129.20	64.85	600.00
PT	900675.260	1578164.256							
LINE			N 39°26'57.1" E	99.20					
PC	900751.864	1578227.289							
CURVE			N 24°35'14.6" E	197.50	29°43'25.0"(LT)	14°52'55.3"	199.73	102.17	385.00
PT	900931.452	1578309.464							
LINE			N 09°43'32.1" E	580.16					
PC	901503.274	1578407.470							
CURVE			N 09°30'17.0" E	115.64	00°26'30.2"(LT)	00°22'55.1"	115.65	57.82	15000.00
PT	901617.331	1578426.566							
LINE			N 09°17'01.9" E	19.73					
POT	901636.800	1578429.749							

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

6/2/99

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PROPOSED ALIGNMENT CONTROL SHEET

PROJECT REFERENCE NO. B-5825	SHEET NO. RW02D-1
Location and Surveys	
ALLIED ASSOCIATES, P.A.	

L

TYPE	STATION	NORTH	EAST
POT	10+00.00	901429.1589	1575009.3809
PC	14+43.40	901294.5324	1575431.8519
PRC	21+36.32	901103.3210	1576097.7635
PT	28+29.24	900912.1096	1576763.6750
PC	40+70.01	900535.3839	1577945.8773
PCC	53+57.99	900101.9409	1579158.4560
PT	55+10.46	900037.1630	1579296.3752

Y1

TYPE	STATION	NORTH	EAST
PC	10+00.00	901076.2918	1576803.7202
PRC	10+48.94	901054.3682	1576759.9828
PT	11+75.91	900962.0381	1576678.3967
POT	11+97.97	900940.9609	1576671.8659

Y2

TYPE	STATION	NORTH	EAST
POT	11+00.00	901492.5800	1578405.6370
PC	14+34.25	901163.1304	1578349.1717
PRC	17+31.40	900867.8463	1578317.7607
PT	21+07.06	900499.7184	1578249.4653
POT	21+67.68	900442.2652	1578230.1284

DRW1

TYPE	STATION	NORTH	EAST
PC	10+00.00	900623.4181	1578109.1416
PT	10+38.32	900608.9871	1578143.6331
PC	10+59.91	900593.8086	1578158.9931
PT	11+33.00	900556.8605	1578221.2200
POT	11+77.21	900544.1275	1578263.5511

DRW2

TYPE	STATION	NORTH	EAST
POT	10+00.00	901048.8789	1576749.0332
PC	10+15.91	901037.4281	1576760.0778
PT	11+16.31	900992.9096	1576847.9827
PC	11+52.01	900988.1360	1576883.3602
PT	12+21.85	900963.3063	1576947.9649
POT	12+85.31	900927.4859	1577000.3538

REVISIONS


6/2/09

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

6/2/19

RIGHT OF WAY CONTROL SHEET

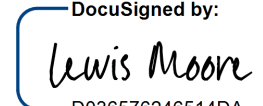
PROJECT REFERENCE NO. B-5825	SHEET NO. RW03E-1
Location and Surveys	
ALLIED ASSOCIATES, P.A.	
PROJECT SURVEYOR	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

I, LEWIS L. MOORE, 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 14th day of October, 2019.

DocuSigned by:

 Lewis Moore
 Professional Land Surveyor L-4570 PLS Seal

ROW MARKER IRON PIN AND CAP - E					
ALIGN	STATION	OFFSET	NORTH	EAST	NOTES
L	14+40.00	50.00	901247.9259	1575413.4287	
L	14+43.40	-50.00	901342.1721	1575447.0330	
L	21+36.32	-50.00	901151.7574	1576110.1699	
L	21+36.32	70.12	901035.3969	1576000.3655	
L	26+42.04	-50.00	901015.4224	1576599.3198	
L	27+77.02	-90.00	901013.7251	1576740.8409	
L	28+29.24	90.00	900826.3583	1576736.3491	
L	28+29.24	-90.00	900997.8610	1576791.0009	MAG NAIL
L	28+93.00	90.00	900806.9982	1576797.1030	
L	28+93.00	120.00	900778.4144	1576787.9944	
L	29+73.00	120.00	900754.1247	1576864.2178	
L	29+73.00	90.00	900782.7085	1576873.3264	
L	39+45.00	90.00	900487.5887	1577799.4411	
L	39+45.00	110.00	900468.5329	1577793.3687	
L	39+55.00	-90.00	900656.0552	1577863.6208	
L	39+55.00	-110.00	900675.1111	1577869.6932	
L	40+70.01	110.00	900430.5766	1577912.4789	
L	40+70.01	-110.00	900640.1911	1577979.2756	
L	40+70.01	90.00	900449.6325	1577918.5514	
L	41+12.00	-90.00	900608.2791	1578013.3893	
L	41+12.00	-110.00	900627.3211	1578019.5050	
L	41+70.00	-75.01	900576.1083	1578064.2219	
L	42+35.00	88.70	900400.3189	1578075.1671	
L	43+69.13	84.86	900361.8347	1578203.0580	
L	45+12.03	-92.08	900483.2030	1578395.4294	
L	45+63.00	-100.00	900473.8982	1578446.4332	
L	46+53.00	-100.00	900443.9295	1578531.8127	
L	47+07.00	-50.00	900378.6601	1578566.1580	
L	47+16.00	75.67	900257.2910	1578532.3430	
L	49+52.00	66.65	900185.2013	1578756.2896	
L	51+38.00	57.57	900128.1800	1578932.9098	
L	53+57.99	-50.00	900148.4091	1579176.9143	
L	53+57.99	50.00	900055.4728	1579139.9977	

ROW MARKER IRON PIN AND CAP - E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y1	10+48.94	30.00	901081.7133	1576747.6441
Y1	11+00.00	43.05	901056.9990	1576688.0843

ROW MARKER IRON PIN AND CAP - E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y2	14+34.25	-40.00	901156.3733	1578388.5968
Y2	14+34.25	30.00	901168.1983	1578319.6029
Y2	16+65.00	41.62	900937.0838	1578279.9910
Y2	17+31.40	-40.00	900866.1583	1578357.7250
Y2	17+31.40	56.03	900870.2107	1578261.7777
Y2	17+91.00	78.97	900815.2438	1578235.2422
Y2	18+85.00	-40.00	900708.8210	1578341.9461
Y2	18+85.00	-50.00	900707.2506	1578351.8220
Y2	19+17.00	145.55	900709.8722	1578153.8861
Y2	20+00.00	179.82	900645.9220	1578105.0104
Y2	20+05.00	-90.00	900575.5170	1578365.5283
Y2	20+45.00	-91.34	900533.9119	1578355.7169

ROW MARKER REVISION NOTES:

3/03/2020 - REMOVED ROW MARKERS ON ALIGNMENT -Y2- I2+85.00 (30.00' LT) AND -Y2- I2+85.00 (40.00' LT)

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.

REVISIONS

6/2/19

6/2/19

REVISIONS

PERMANENT EASEMENT CONTROL SHEET

PROJECT REFERENCE NO. B-5825	SHEET NO. RW03E-2
Location and Surveys	
ALLIED ASSOCIATES, P.A.	
PROJECT SURVEYOR	
 DocuSigned by: Lewis Moore	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

I, LEWIS L. MOORE, 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 14th day of October, 2019.

DocuSigned by:

 Lewis Moore
 094C114FBF2B429...
 Professional Land Surveyor L-4570 Seal
 PLS *

ROW MARKER PERMANENT EASEMENT - E					
ALIGN	STATION	OFFSET	NORTH	EAST	NOTES
L	17+65.00	-50.00	901249.0354	1575753.4381	
L	17+65.00	-60.00	901258.6413	1575756.2179	
L	18+06.00	55.50	901136.3082	1575763.6960	
L	18+16.00	-66.00	901250.4093	1575806.6361	
L	18+83.00	-93.00	901258.3467	1575878.0202	NOT SET
L	19+00.00	-120.00	901279.8473	1575901.4854	
L	20+06.00	106.00	901033.9485	1575944.2824	
L	20+12.00	122.00	901016.9267	1575945.9994	
L	20+36.00	120.00	901012.6248	1575969.9403	
L	20+41.00	64.96	901064.5428	1575988.9027	
L	21+62.00	-50.00	901145.3320	1576135.1442	
L	21+62.00	-65.00	901159.8549	1576138.8972	
L	29+52.00	-90.00	900960.5872	1576907.9696	
L	29+73.00	-90.00	900954.2112	1576927.9782	
L	41+78.00	89.32	900417.3566	1578021.0570	
L	41+78.00	166.00	900344.4295	1577997.3480	
L	42+35.00	166.00	900326.8818	1578051.0418	
L	46+84.00	-71.24	900406.4171	1578551.5520	
L	46+86.00	-142.00	900472.4075	1578577.1590	
L	47+17.00	-114.00	900435.5481	1578597.1523	NOT SET
L	47+50.00	91.00	900231.4357	1578559.0284	
L	49+23.00	84.00	900178.9834	1578723.1750	
L	49+24.00	-50.00	900304.2985	1578770.6419	
L	49+48.00	-88.00	900331.5450	1578806.4460	
L	49+75.00	-50.00	900286.4741	1578818.5728	
L	49+84.00	-88.00	900318.9070	1578840.3376	

ROW MARKER PERMANENT EASEMENT - E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y2	14+12.00	30.00	901190.1320	1578323.3621
Y2	14+12.00	53.00	901194.0173	1578300.6927
Y2	14+42.00	53.00	901164.2726	1578295.6080
Y2	14+42.00	30.01	901160.4648	1578318.2774
Y2	17+75.00	120.00	900833.3183	1578195.5448
Y2	18+10.00	169.00	900806.5561	1578143.9930
Y2	18+75.00	167.00	900749.9699	1578138.8553

ROW MARKER PERMANENT EASEMENT - E				
ALIGN	STATION	OFFSET	NORTH	EAST
DRW2	11+92.00	-34.00	901008.9046	1576935.0820
DRW2	12+10.00	-36.00	901000.8282	1576955.8426

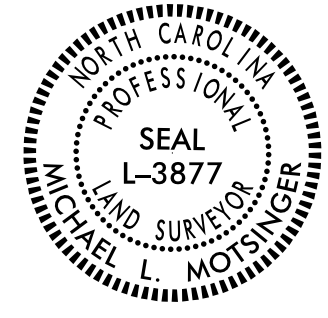
NOTES:

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.

6/2/19

REVISIONS

RIGHT OF WAY CONTROL SHEET

PROJECT REFERENCE NO.	SHEET NO.
B-5825	RW03E-3
Location and Surveys	
PROJECT SURVEYOR	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y2	14+15.00	-30.00	901177.0393	1578381.9930
Y2	14+15.00	-40.00	901175.3500	1578391.8493
Y2	14+64.87	-29.80	901128.2731	1578373.6334
Y2	14+59.41	-40.00	901131.9819	1578384.5518
Y2	15+37.21	-27.75	901057.8274	1578361.5582
Y2	15+49.49	-40.00	901044.3106	1578372.2314

I, Michael L. Motsinger, 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) (R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures.

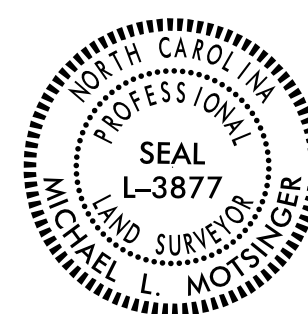
I further certify that the right of way and permanent easement points shown herein and outlined in the tables shown hereon (localized coordinates, station/offset) have been checked and are accurate representations of the right of way and permanent easement points depicted on the corresponding highway 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 3rd day of March, 2020.

DocuSigned by:

 FDB6FE70E23C40E...
 Professional Land Surveyor

L-3877
 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.
- RIGHT OF WAY MONUMENTATION ESTABLISHED FROM _____ TO _____.

6/2/19

I, Lewis L. Moore, 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 Completion, R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures.

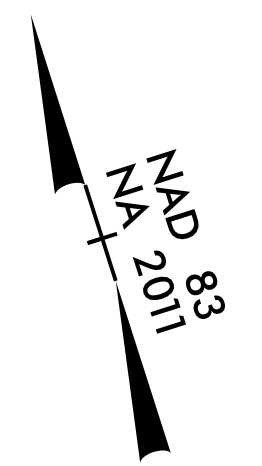
I further certify that the data compiled came from available surveys/mapping performed by others and provided to me by NCDOT and do not certify to the accuracy or quality of the individual data sources.

I further certify that the right of way and permanent easement points shown herein and outlined in the tables shown hereon (local 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).

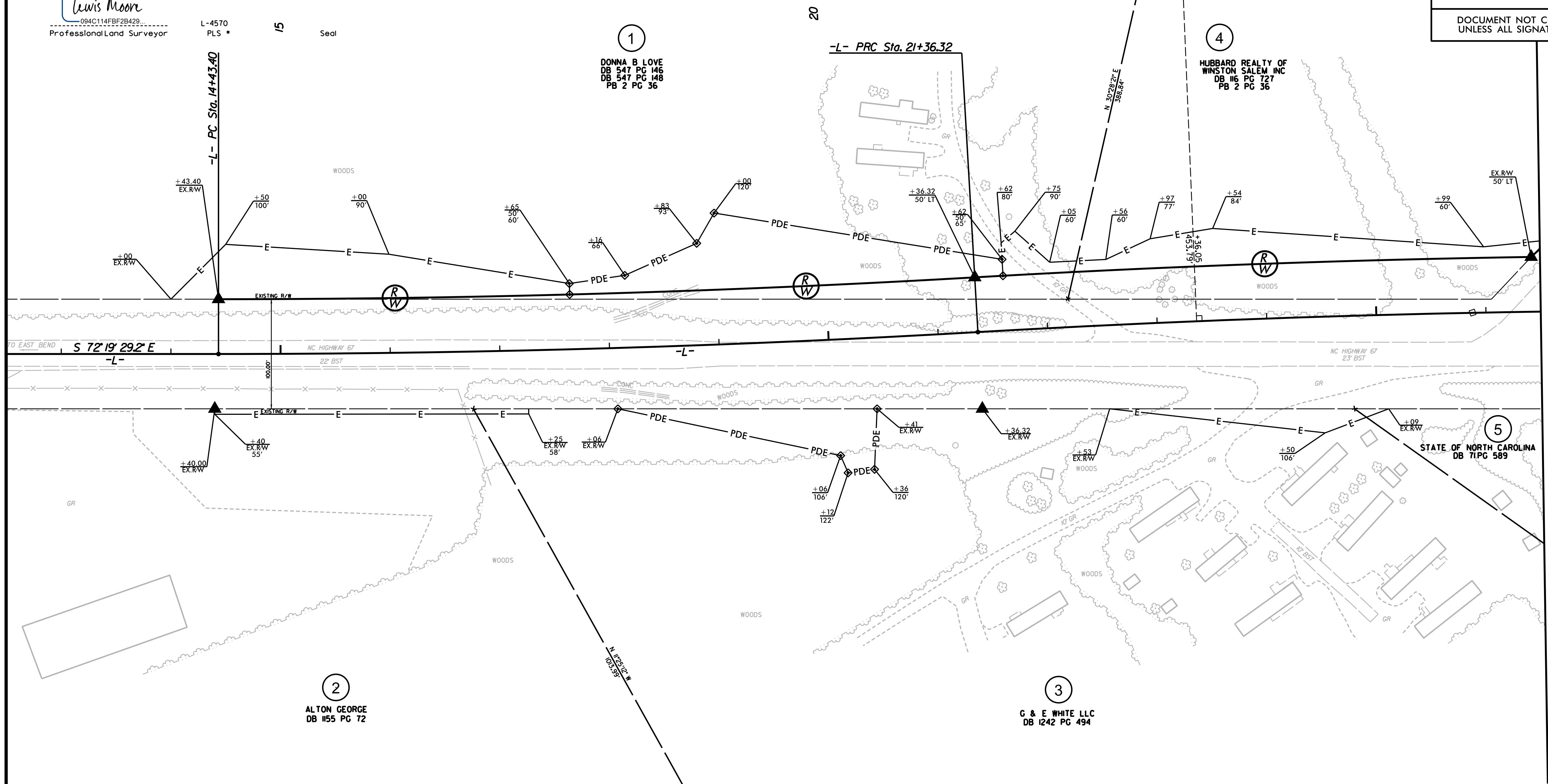
Witness my original signature, registration number and seal this 14th day of October, 2019.

DocuSigned by:
Lewis Moon
094C114FBF2B429
Professional Land Surveyor L-4570 PLS Seal

-L-	
PI Sta 17+89.96	PI Sta 24+82.87
$\Delta = 3^{\circ}18'30.4" (LT)$	$\Delta = 3^{\circ}18'30.4" (RT)$
$D = 0^{\circ}28'38.9"$	$D = 0^{\circ}28'38.9"$
$L = 692.92'$	$L = 692.92'$
$T = 346.55'$	$T = 346.55'$
$R = 12,000.00'$	$R = 12,000.00'$
$SE = NC$	$SE = NC$



PROJECT REFERENCE NO.	SHEET NO.
B-5825	RW04
Location and Surveys	
ALLIED ASSOCIATES, P.A.	
PROJECT SURVEYOR	
DocuSigned by: Lewis Moon 094C114FBF2B429	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



MATCHLINE -L- STA. 26+50.00
SEE SHEET 05

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.

15_OCT_2019 10:51 190804\FW SHEETS\b5825_1s_rw04.dgn

6/22/19

-L-	-YI-	-YI-	-DRW2-	-DRW2-
PI Sta 24+82.87	PI Sta 10+24.48	PI Sta 11+16.51	PI Sta 10+68.07	PI Sta 11+87.57
$\Delta = 3^{\circ}18'30.4''$ (RT)	$\Delta = 4^{\circ}40'23.7''$ (RT)	$\Delta = 48^{\circ}29'54.2''$ (LT)	$\Delta = 38^{\circ}20'58.2''$ (LT)	$\Delta = 26^{\circ}40'38.3''$ (RT)
D = 0'28'38.9"	D = 9'32'57.5"	D = 38'11'49.9"	D = 38'11'49.9"	D = 38'11'49.9"
L = 692.92'	L = 48.94'	L = 126.97'	L = 100.40'	L = 69.84'
T = 346.55'	T = 24.48'	T = 67.57'	T = 52.16'	T = 35.57'
R = 12,000.00'	R = 600.00'	R = 150.00'	R = 150.00'	R = 150.00'
SE = NC	SE = SEE PLANS	SE = SEE PLANS	SE = SEE PLANS	SE = SEE PLANS
		V = 25 MPH		

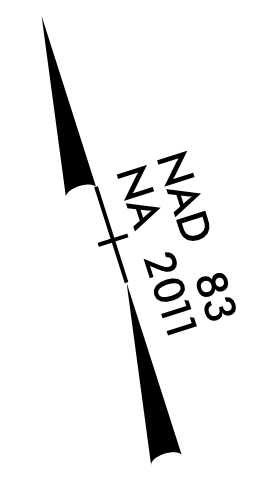
I, Lewis L. Moore, a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work item(s) (Base map Compilation, R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location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

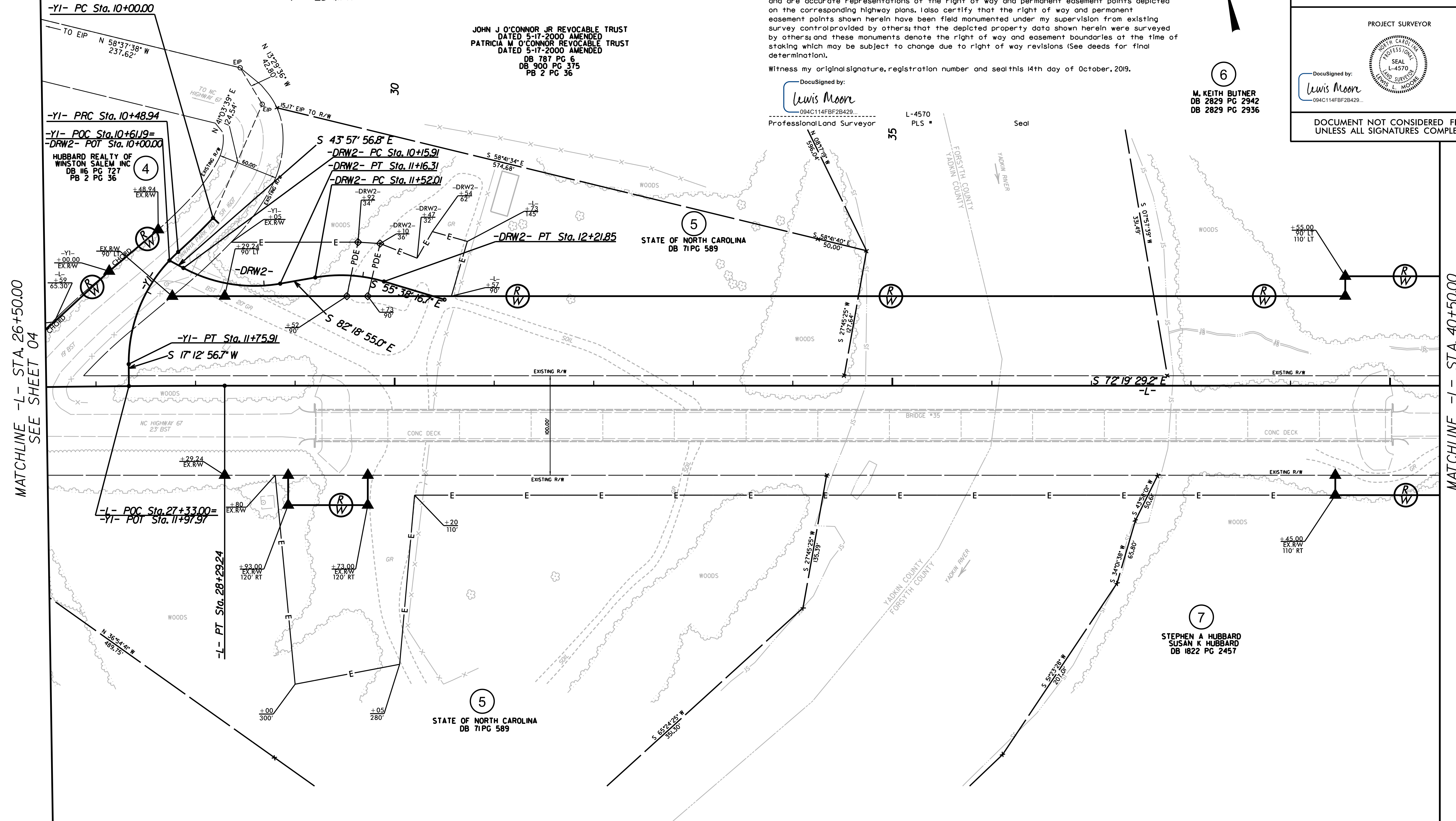
Witness my original signature, registration number and seal this 14th day of October, 2019.

DocuSigned by:
Lewis Moon
 084C114FBF2B429...
 Professional Land Surveyor



6
M. KEITH BUTNER
 DB 2829 PG 2942
 DB 2829 PG 2936

PROJECT REFERENCE NO. B-5825	SHEET NO. RW05
Location and Surveys	
ALLIED ASSOCIATES, P.A.	
PROJECT SURVEYOR	
DocuSigned by: Lewis Moon 084C114FBF2B429...	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



MATCHLINE -L- STA. 26+50.00
SEE SHEET 04

MATCHLINE -L- STA. 40+50.00
SEE SHEET 06

JOHN J. O'CONNOR, JR. REVOCABLE TRUST
 DATED 5-17-2000 AMENDED
 PATRICIA M. O'CONNOR REVOCABLE TRUST
 DATED 5-17-2000 AMENDED
 DB 787 PG 6
 DB 900 PG 375
 PB 2 PG 36

5
 STATE OF NORTH CAROLINA
 DB 71 PG 589

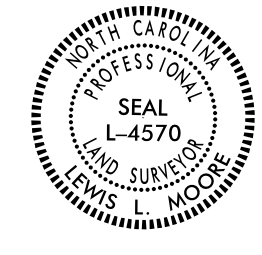
7
 STEPHEN A HUBBARD
 SUSAN K HUBBARD
 DB 1822 PG 2457

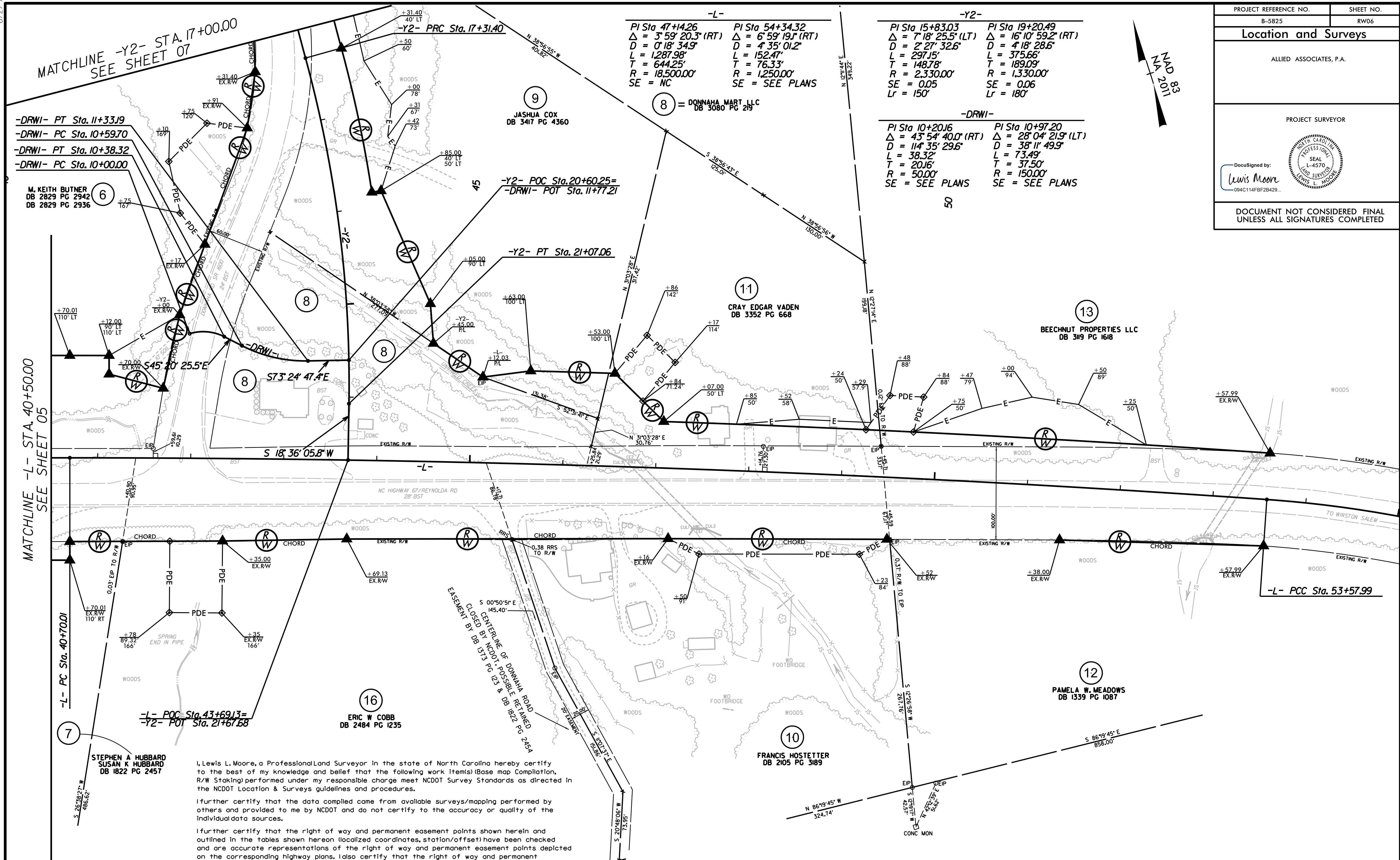
NOTES:

- 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.

I:\DOT-2019\1054\190804\FW SHEETS\5825\1s_rw05.dgn

6/22/09

PROJECT REFERENCE NO. B-5825	SHEET NO. RW06
Location and Surveys	
ALLIED ASSOCIATES, P.A.	
PROJECT SURVEYOR	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



MATCHLINE -L- STA. 40+50.00 SEE SHEET 05

MATCHLINE -Y2- STA. 17+00.00 SEE SHEET 07

-L-

PI Sta 47+14.26 Δ = 3° 59' 20.3" (RT) D = 0' 18" 34.9" L = 1,287.98' T = 644.25' R = 18,500.00' SE = NC	PI Sta 54+34.32 Δ = 6° 59' 19.1" (RT) D = 4' 35" 01.2" L = 152.47' T = 76.33' R = 1,250.00' SE = SEE PLANS
---	--

-Y2-

PI Sta 15+83.03 Δ = 7° 18' 25.5" (LT) D = 2' 27" 32.6" L = 297.15' T = 148.78' R = 2,330.00' SE = 0.05 Lr = 150'	PI Sta 19+20.49 Δ = 16° 10' 59.2" (RT) D = 4' 18" 28.6" L = 375.66' T = 189.09' R = 1,330.00' SE = 0.06 Lr = 180'
---	--

-DRWI-


PI Sta 10+20.16 Δ = 43° 54' 40.0" (RT) D = 114' 35" 29.6" L = 38.32' T = 20.16' R = 50.00' SE = SEE PLANS	PI Sta 10+97.20 Δ = 28° 04' 21.9" (LT) D = 38' 11" 49.9" L = 73.49' T = 37.50' R = 150.00' SE = SEE PLANS
---	---

I, Lewis L. Moore, 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 Completion, 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 14th day of October, 2019.

DocuSigned by:

Lewis L. Moore
094C114FBF2B429...
Professional Land Surveyor L-4570 PLS Seal

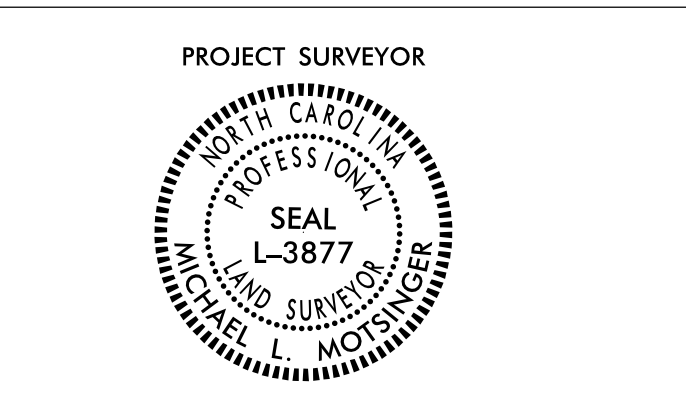
NOTES:

- 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.

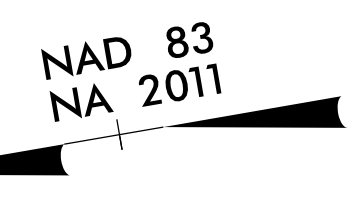
15-OCT-2019 10:55 AM I:\Projects\2019\09\04\RW SHEETS\b5825\1s_rw06.dgn

Location and Surveys

INSERT CONSULTANT'S NAME



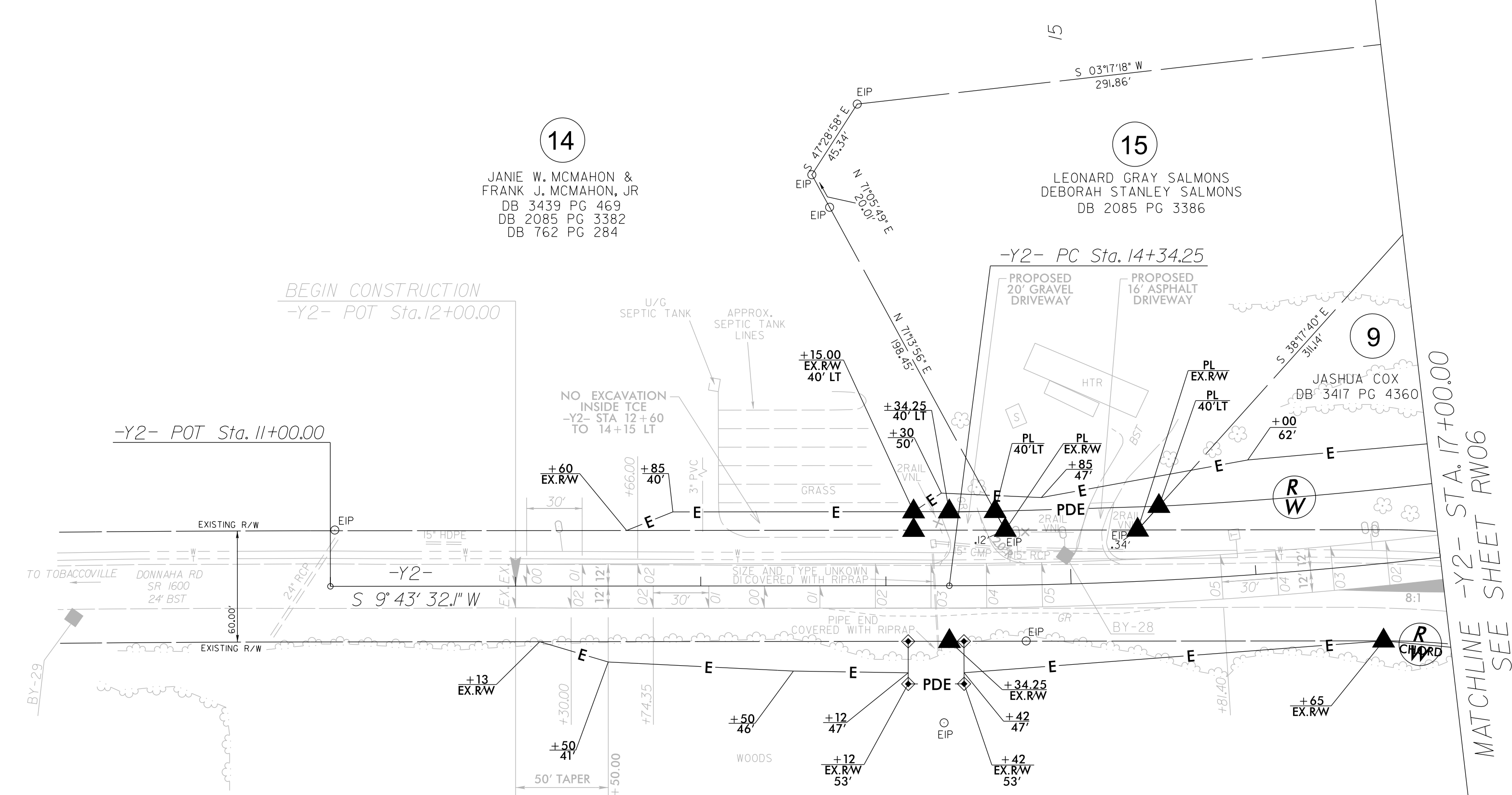
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



-Y2-
 PI Sta 15+83.03
 $\Delta = 7' 18' 25.5'' (LT)$
 $D = 2' 27' 32.6''$
 $L = 297.15'$
 $T = 148.78'$
 $R = 2,330.00'$
 $SE = 0.05$
 $Lr = 150'$

REVISIONS

I:\MR-2020\1154\Winston\Rights Computer\Bridges\B5825\Right of way\Control Sheets\tobechecked\B5825-1.s_rw07.dgn
 6/2/19
 Michael L. Motsinger
 Professional Land Surveyor



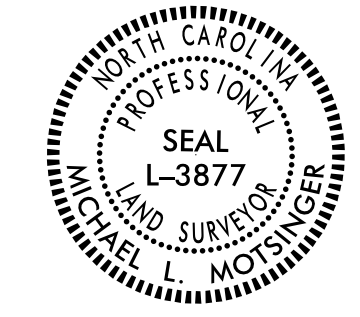
I, Michael L. Motsinger, a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work item(s) (R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines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

I further certify that the 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 5th day of March, 2020.

DocuSigned by:
Michael L. Motsinger
 FDB86FE70E23C40E...
 Professional Land Surveyor

L-3877
 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.
- RIGHT OF WAY MONUMENTATION ESTABLISHED FROM _____ TO _____.

MATCHLINE SHEET RW06
 -Y2- STA. 17+00.00