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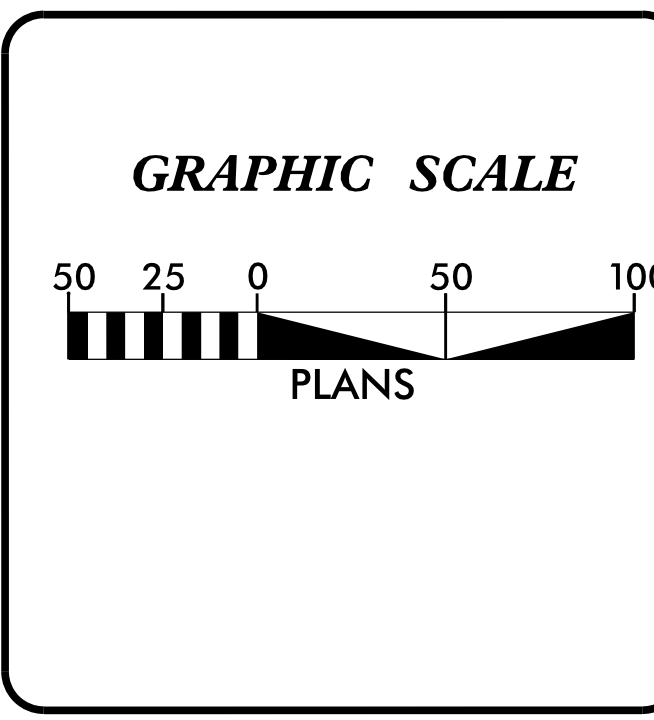
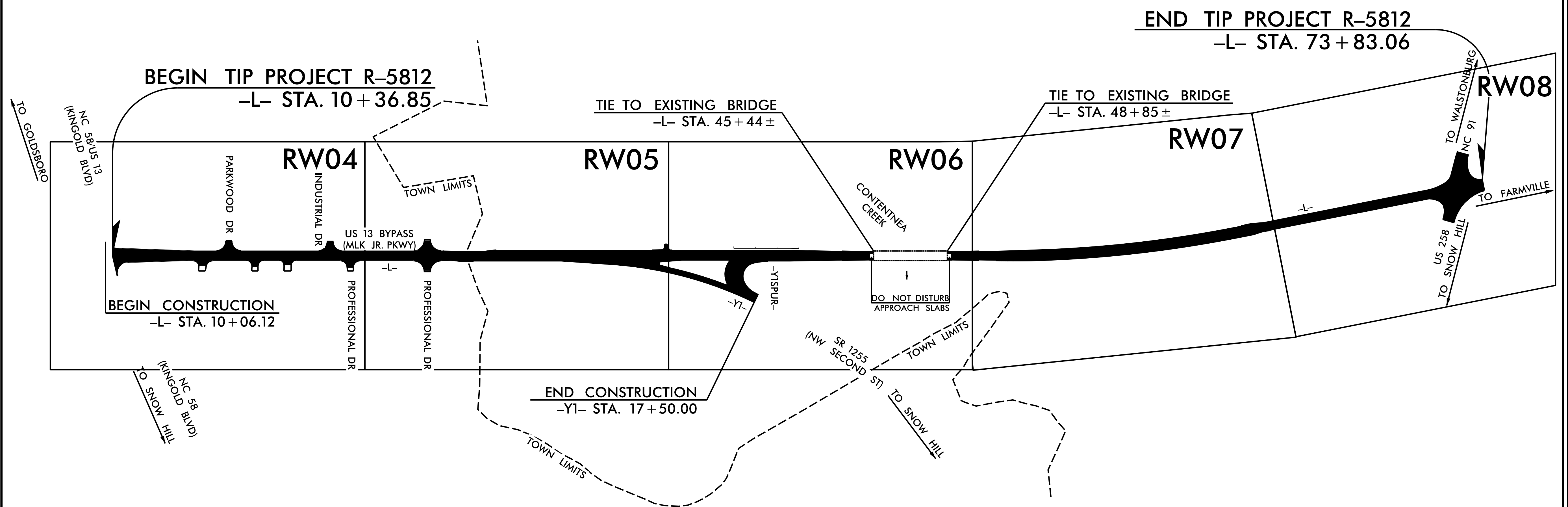
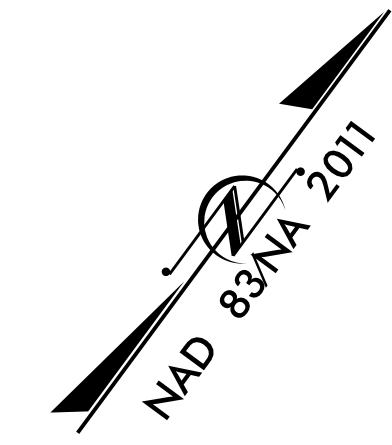
**This file or an individual page
shall not be considered a certified document.**

09/05/19

TIP PROJECT: R-5812

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	R-5812	RW01	

STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS
 SURVEY CONTROL, EXISTING CENTERLINES,
 RIGHT OF WAY, EASEMENTS AND PROPERTY TIES
GREENE COUNTY



DATUM DESCRIPTION
 THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCGS FOR MONUMENT "MASSEY 1976" WITH NAD 83/NA 2011 STATE PLANE GRID COORDINATES OF NORTHING: 625,449.400(ft) EASTING: 2,395,652.600(ft) ELEVATION: 49.764(ft)
 THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.999882453
 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "MASSEY" TO -L- STATION 10+00.00 IS S 52-30'53.02" W 5,302.42(ft)
 ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NAVD 88

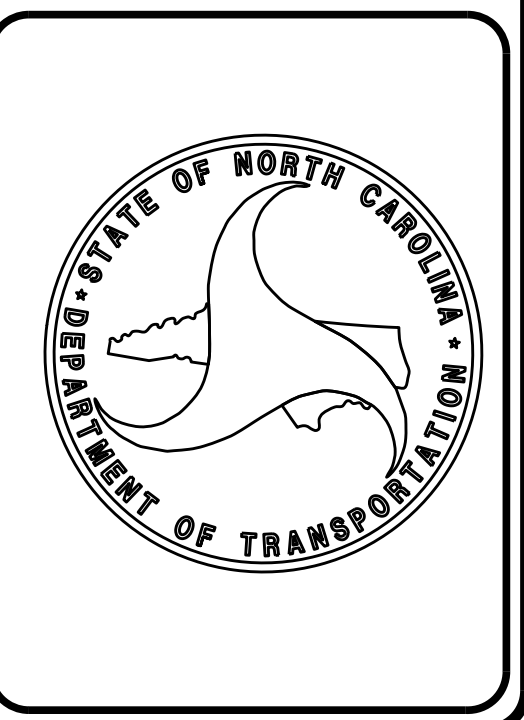
Prepared in the Office of:
JoynerKeeny, PLLC
 1051 N. Winstead Avenue
 Rocky Mount, NC 27804
 252-977-3124
 North Carolina Firm Number P-0551

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE: _____ LETTING DATE: _____

PROFESSIONAL LAND SURVEYOR

SIGNATURE: _____ Date: _____

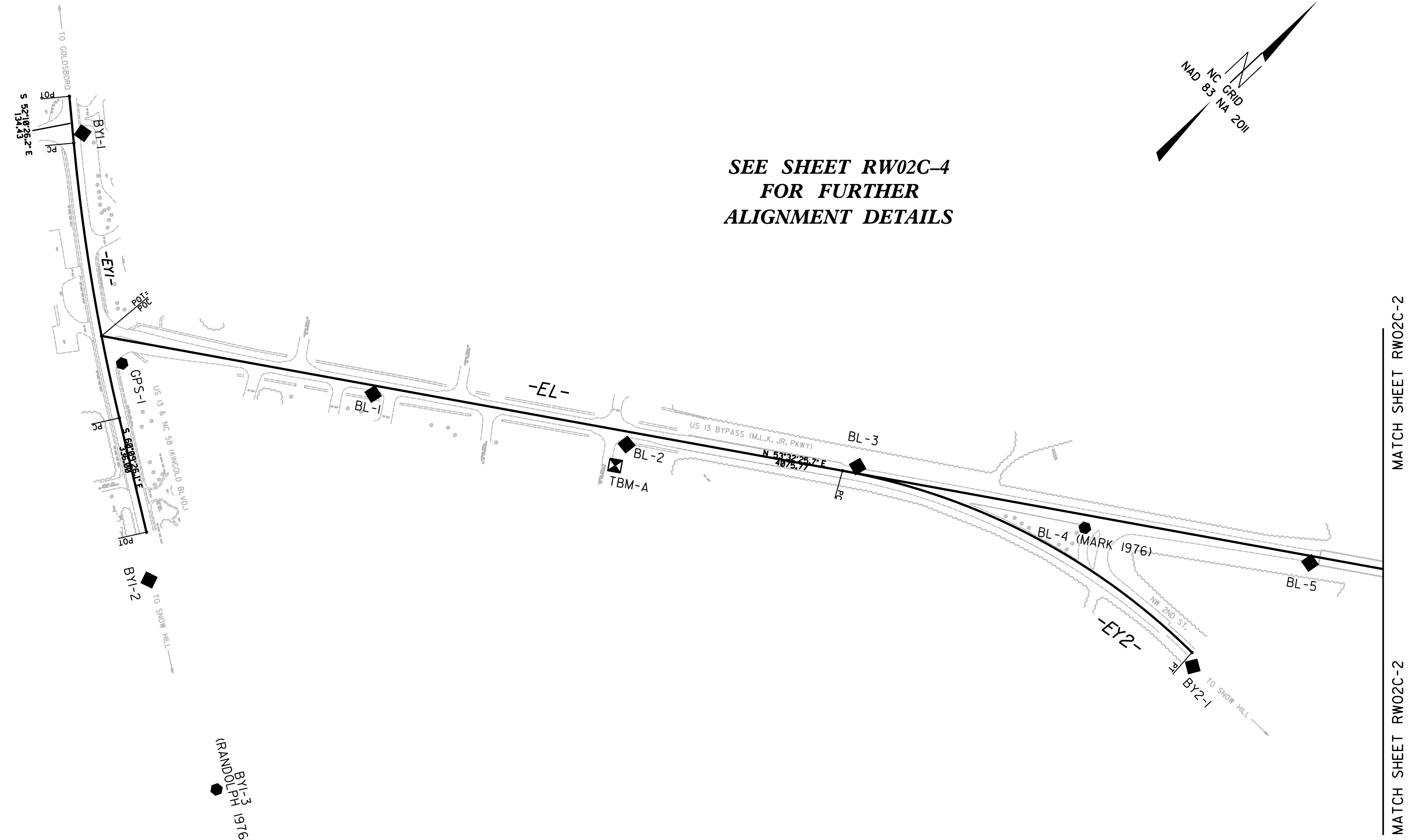


\$\$\$\$\$ SYSTEM \$\$\$\$\$\$
 \$\$\$ DDN \$\$\$
 \$\$\$ USER NAME \$\$\$

PROJECT REFERENCE NO.	SHEET NO.
R-5812	RW02C-1
Location and Surveys	
JoynerKeeny, PLLC 1051 N. Winstead Avenue Rocky Mount, NC 27804 252-977-3124 North Carolina Firm Number P-0551	

SURVEY CONTROL SHEET R-5812

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



NOTES:

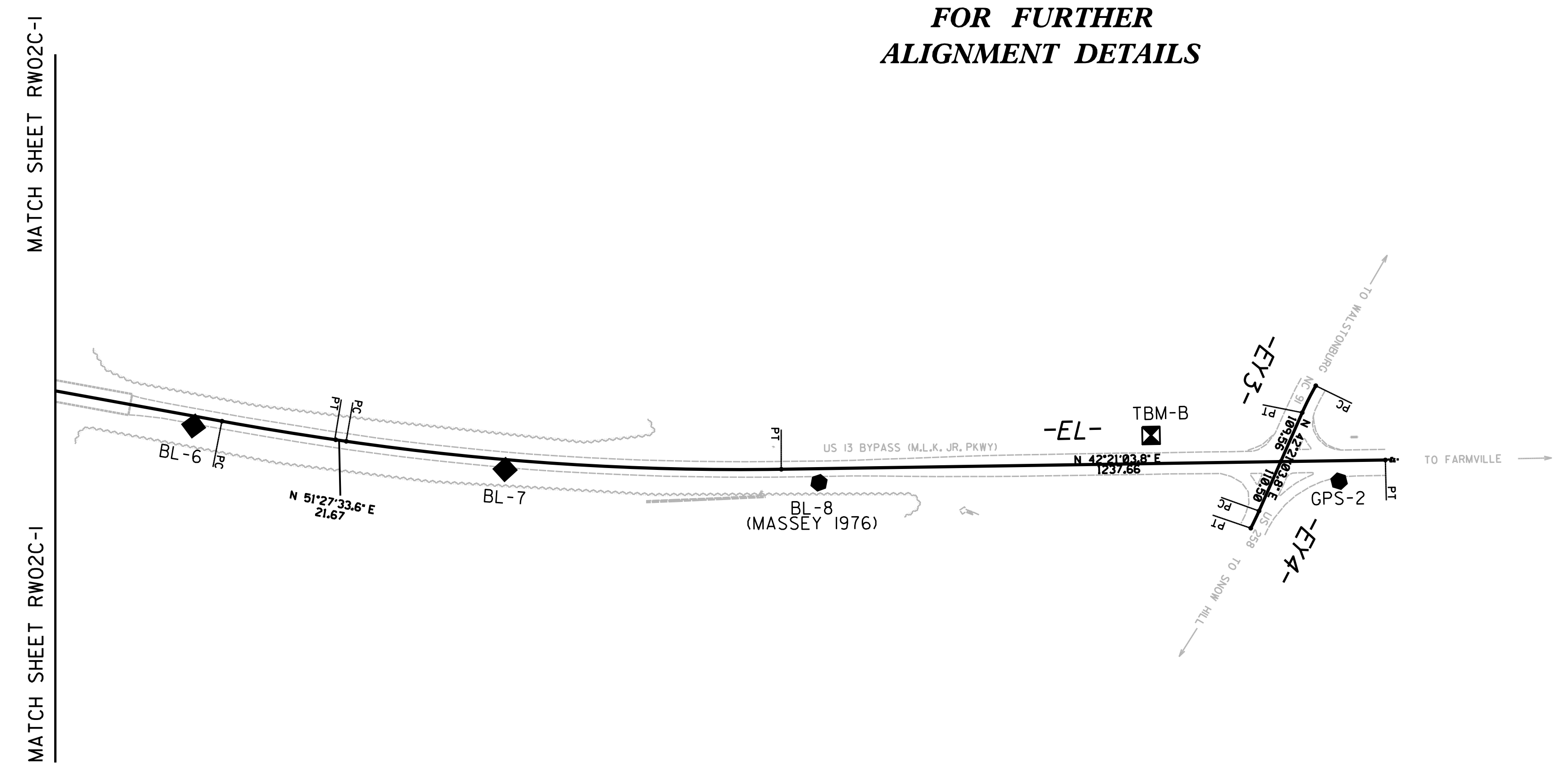
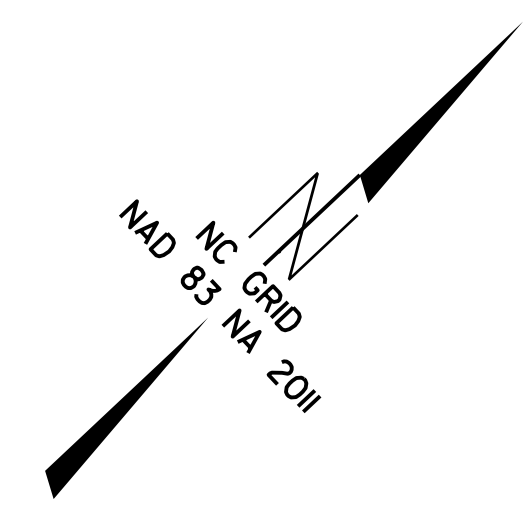
1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.

SURVEY CONTROL SHEET R-5812

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
R-5812	RW02C-2
Location and Surveys	
JoynerKeeny, PLLC 1051 N. Winstead Avenue Rocky Mount, NC 27804 252-977-3124 North Carolina Firm Number P-0551	

**SEE SHEET RW02C-4
FOR FURTHER
ALIGNMENT DETAILS**



NOTES:

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SURVEY CONTROL SHEET R-5812

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

BASELINE

BL	POINT	DESC.	NORTH	EAST	ELEVATION
31		GPS-1	622206.8114	2391542.6023	110.08
1		BL-1	622674.9568	2392098.6669	87.37
2		BL-2	623104.3234	2392700.7282	63.19
3		BL-3	623543.2929	2393199.7040	49.47
4		BL-4 (MARK 1976)	623896.9638	2393773.1536	51.28
5		BL-5	624297.5924	2394287.5398	51.56
6		BL-6	624595.3174	2394690.2520	51.08
7		BL-7	624999.1964	2395192.3040	50.56
8		BL-8 (MASSEY 1976)	625449.4000	2395652.6000	49.76
32		GPS-2	626227.8181	2396380.0997	49.36

BY1	POINT	DESC.	NORTH	EAST	ELEVATION
11		BY1-1	622580.7816	2390984.9626	109.60
A31		GPS-1	622206.8114	2391542.6023	110.08
12		BY1-2	621842.9871	2392047.0551	99.03
13		BY1-3 (RANDOLPH 1976)	621573.0944	2392616.5031	93.22

BY2	POINT	DESC.	NORTH	EAST	ELEVATION
A3		BL-3	623543.2929	2393199.7040	49.47
21		BY2-1	623850.1443	2394273.5770	47.21

.....
 100 ELEVATION = 68.38
 N 623039 E 2392722
 TBM-A CHISELED 'X' BONNET BOLT FIRE HYDRANT

.....
 101 ELEVATION = 45.48
 N 626011 E 2396047
 TBM-B CHISELED 'X' BONNET BOLT FIRE HYDRANT

NOTES:

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SURVEY CONTROL SHEET R-5812

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

EL

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	622222.573	2391445.078							
LINE			N 53°32'25.7" E	4075.77					
PC	624644.617	2394723.125							
CURVE			N 52°29'59.7" E	236.09	02°04'52.1"(L.T)	00°52'53.3"	236.10	118.06	6499.99
PT	624788.337	2394910.424							
LINE			N 51°27'33.6" E	21.67					
PC	624801.842	2394927.376							
CURVE			N 46°54'18.7" E	893.21	09°06'29.8"(L.T)	01°01'07.1"	894.15	448.02	5624.66
PT	625412.087	2395579.618							
LINE			N 42°21'03.8" E	1237.66					
POT	626326.760	2396413.397							

EY1

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	622625.285	2390882.104							
LINE			S 52°10'26.2" E	134.43					
PC	622542.844	2390988.287							
CURVE			S 56°09'56.2" E	797.69	07°59'00.0"(L.T)	01°00'00.0"	798.33	399.81	5729.58
PT	622098.696	2391650.886							
LINE			S 60°09'26.2" E	336.00					
POT	621931.495	2391942.331							

EY2

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	623503.622	2393178.877							
CURVE			N 70°42'37.4" E	1127.60	34°20'23.3"(RT)	03°00'00.0"	1144.66	590.10	1909.86
POT	623503.622	2393178.877							

EY3

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	626327.064	2396204.904							
CURVE			S 19°59'10.8" E	61.71	06°10'24.8"(L.T)	10°00'00.0"	61.74	30.90	572.96
PT	626269.074	2396225.995							
LINE			S 23°04'23.2" E	109.56					
POT	626168.279	2396268.932							

EY4

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	626168.279	2396268.932							
LINE			S 23°04'23.2" E	110.50					
PC	626066.618	2396312.238							
CURVE			S 21°07'16.1" E	39.03	03°54'14.1"(RT)	10°00'00.0"	39.04	19.53	572.96
PT	626066.618	2396312.238							

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.

6/2/09

19-JUN-2009 15:20
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 190618-R5812-1s-1c.dgn

PROPOSED ALIGNMENT CONTROL SHEET

PROJECT REFERENCE NO.	SHEET NO.
R-5812	RW02D-1
Location and Surveys	
JoynerKeeny, PLLC 1051 N. Winstead Avenue Rocky Mount, NC 27804 252-977-3124 North Carolina Firm Number P-0551	

	L		
TYPE	STATION	NORTH	EAST
POT	9+00.00	622163.1472	2391364.6502
TS	50+14.91	624608.4518	2394674.1778
SC	52+14.91	624728.2397	2394834.3332
CS	61+28.08	625339.2547	2395511.6439
ST	63+28.08	625486.2685	2395647.2384
POT	74+65.36	626326.7601	2396413.3974

	Y1		
TYPE	STATION	NORTH	EAST
POT	10+00.00	623562.8653	2393289.3487
PC	10+60.00	623595.1136	2393339.9457
PT	20+17.16	623876.0596	2394243.1812

	Y1SPUR		
TYPE	STATION	NORTH	EAST
POT	10+00.00	623956.6505	2393792.0159
PC	10+79.73	623892.5256	2393839.3958
PT	12+20.55	623844.1060	2393963.7916

REVISIONS

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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6/2/19

RIGHT OF WAY CONTROL SHEET

PROJECT REFERENCE NO.	SHEET NO.
R-5812	RW03E-1

JoynerKeeny, PLLC
 1051 N. Winstead Avenue
 Rocky Mount, NC 27804
 252-977-3124
 North Carolina Firm Number P-0551

I, Stephen R. Wolfe, 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 16th day of May, 2019.

PROJECT SURVEYOR



Professional Land Surveyor L-3259 Seal
 PLS #

ROW MARKER PERMANENT EASEMENT - E

ALIGN	STATION	OFFSET	NORTH	EAST
L	9+28.50	-49.00	622219.4930	2391358.4536
L	9+46.50	-55.87	622235.7150	2391368.8481
L	9+88.00	104.00	622131.7968	2391497.2290
L	10+06.50	97.22	622148.2435	2391508.0791

*X' IN CONC. SIDEWALK

PERMANENT EASEMENT CONTROL

ROW MARKER PERMANENT EASEMENT - E

ALIGN	STATION	OFFSET	NORTH	EAST
L	27+65.00	100.00	623191.0044	2392924.0522
L	27+65.00	115.00	623178.9403	2392932.9660
L	28+00.00	115.00	623199.7392	2392961.1157
L	28+00.00	100.00	623211.8033	2392952.2019
L	36+28.00	-100.00	623864.7016	2393499.2922
L	36+77.00	-127.00	623915.5355	2393522.6569
L	37+05.00	-100.00	623910.4592	2393561.2216
L	60+36.82	100.26	625203.4177	2395520.2565
L	62+00.00	-76.00	625443.4257	2395504.9343
L	62+00.03	-59.76	625432.4194	2395516.8741
L	62+28.00	95.00	625348.1016	2395649.6382
L	62+28.03	75.15	625361.5620	2395635.0452
L	62+62.00	-76.00	625488.7713	2395546.6256
L	62+62.00	-59.96	625477.9416	2395558.4605

STAKE ONLY AT EXISTING R/W MON.

STAKE ONLY AT EXISTING R/W MON.

NOTES:

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

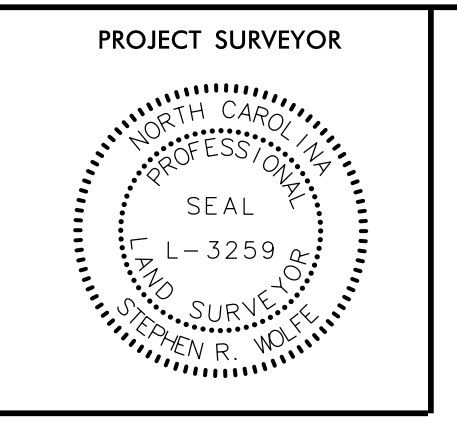
REVISIONS

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15-MAY-2019 14:44
 15-MAY-2017 17:01:24E NCDOT_R5812_ROW_Additional
 AT: KGA-012
 From: thbass

6/2/09

PROJECT REFERENCE NO.	SHEET NO.
R-5812	RW06
Location and Surveys	
JoynerKeeny, PLLC 1051 N. Winstead Avenue Rocky Mount, NC 27804 252-977-3124 North Carolina Firm Number P-0551	



-YI-	-YISPUR-
PI Sta 15+50.18 $\Delta = 30^{\circ} 28' 02.2''$ (RT) $D = 3^{\circ} 10' 59.2''$ $L = 957.16'$ $T = 490.18'$ $R = 1,800.00'$ $e = 0.06$ $Lr = 180'$	PI Sta 11+58.67 $\Delta = 64^{\circ} 32' 42.7''$ (LT) $D = 45^{\circ} 50' 11.8''$ $L = 140.82'$ $T = 78.94'$ $R = 125.00'$ $e = 0.02$ $Lr = 48'$

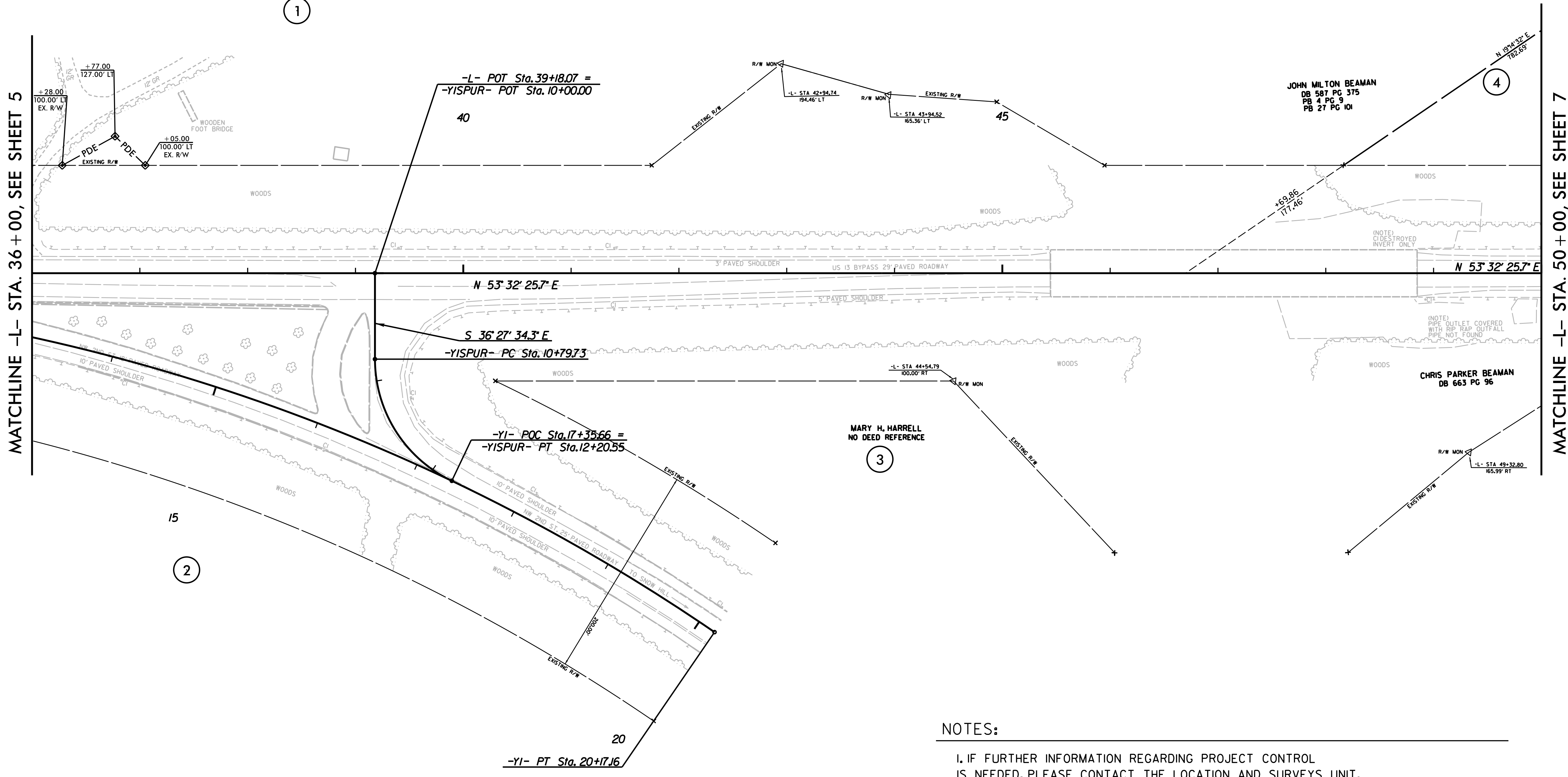
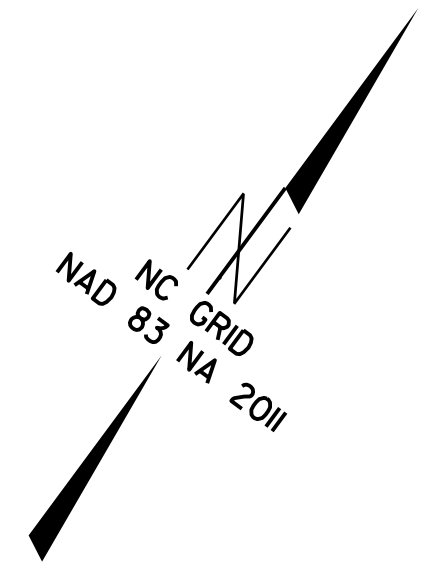
I, Stephen R. Wolfe, a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work (Items) (Base map Compilation, R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & 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 12th day of February, 2019.

Professional Land Surveyor L-3259 PLS Seal



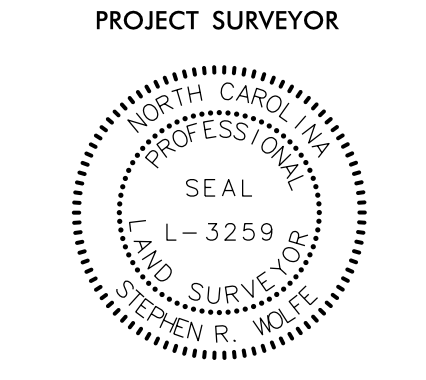
- NOTES:**
- IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
 - PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.

REVISIONS

15-FEB-2019 12:41:24C NCDOT_R5812_ROW Staking_Greene.RW04.R5812.ls_rw06.dgn
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 15-FEB-2019 12:41:24C NCDOT_R5812_ROW Staking_Greene.RW04.R5812.ls_rw06.dgn

6/2/19

PROJECT REFERENCE NO.	SHEET NO.
R-5812	RW08
Location and Surveys	
JoynerKeeny, PLLC 1051 N. Winstead Avenue Rocky Mount, NC 27804 252-977-3124 North Carolina Firm Number P-0551	



I, Stephen R. Wolfe, a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work items (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.

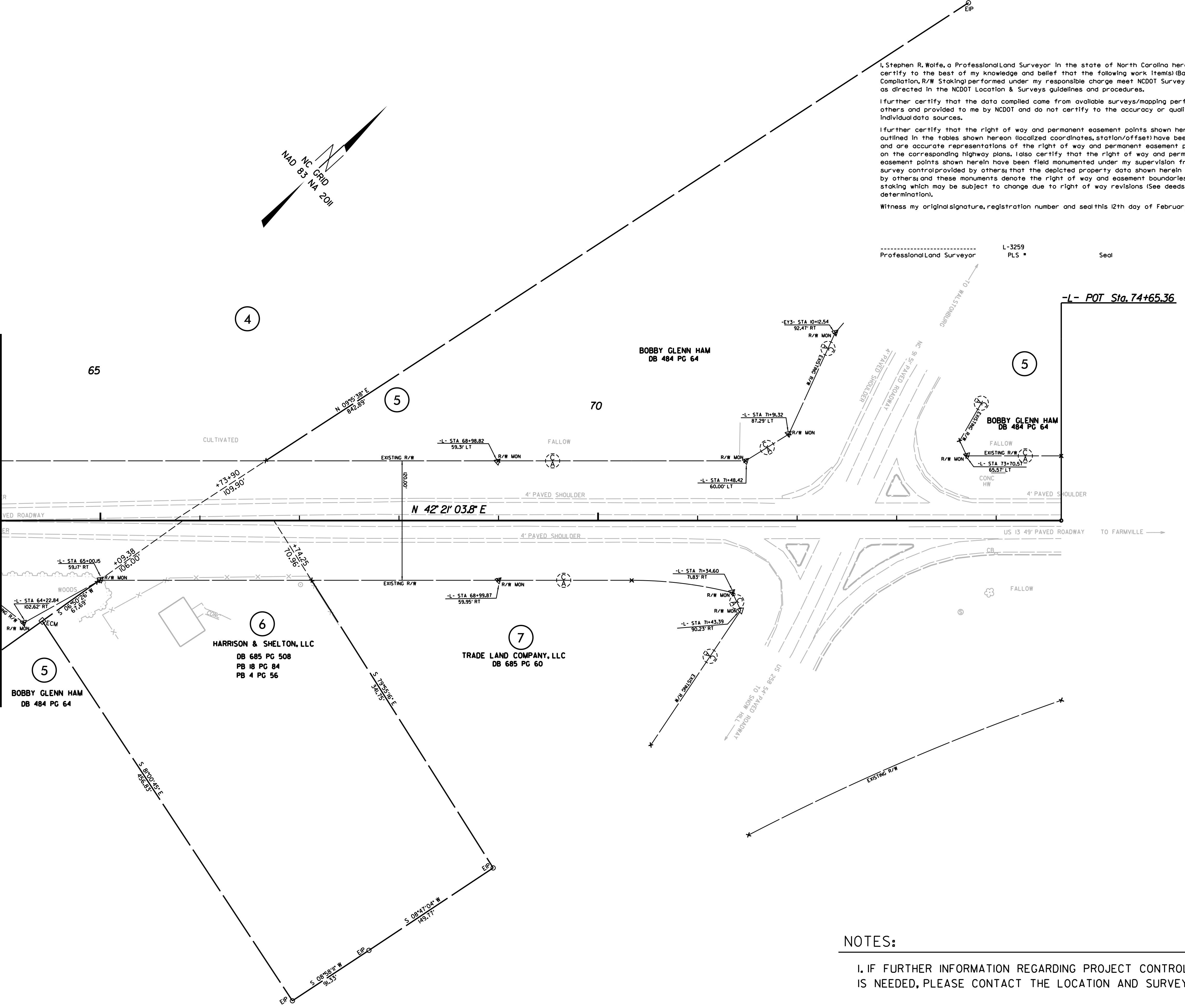
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Witness my original signature, registration number and seal this 12th day of February, 2019.

Professional Land Surveyor
L-3259
PLS * Seal

MATCHLINE -L- STA. 64 + 00, SEE SHEET 7



NOTES:

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

REVISIONS

19-FEB-2019 10:37 21-165-2017 0124C NCDOT -R5812_ROW Staking_Greene\RW04\F5812_1s_rw08.dgn
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