

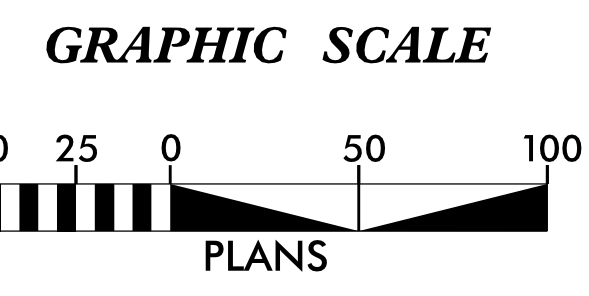
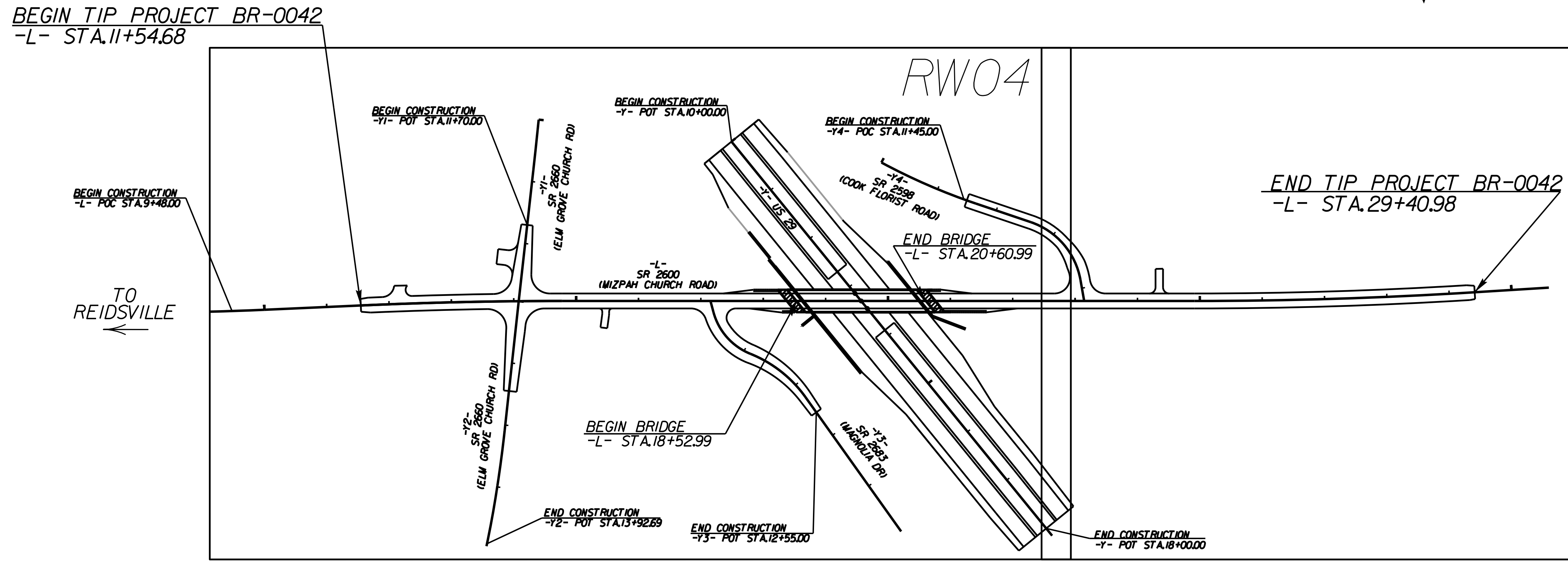
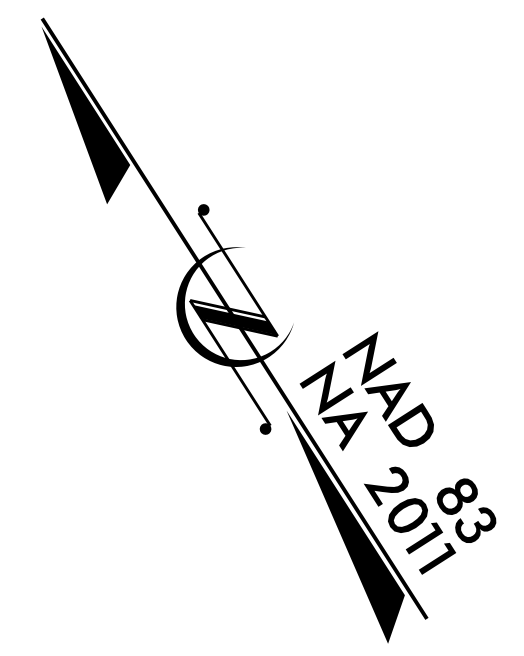
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	BR-0042	RW01	

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

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

ROCKINGHAM COUNTY

TIP PROJECT: BR-0042



DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "BR0042-2" WITH NAD 83/NSRS 2011 STATE PLANE GRID COORDINATES OF NORTHING: 924177.528(ft) EASTING: 181094.155(ft) ELEVATION: 768.17(ft)

THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 1.000004232

THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "BR0042-2" TO -L- STATION 18+00.00 IS N 05-15'47" W 114.37(ft)

ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NAVD 88/ GEOID 12NC

Prepared In the Office of:

Dewberry
Dewberry Engineers Inc.
551 PINEY FOREST ROAD
DANVILLE, VA 24540
PHONE: 434.797.4497
FAX: 434.797.4341
NCBELS #F-0929

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
JUNE 17, 2019

LETTING DATE:
APRIL 21, 2020

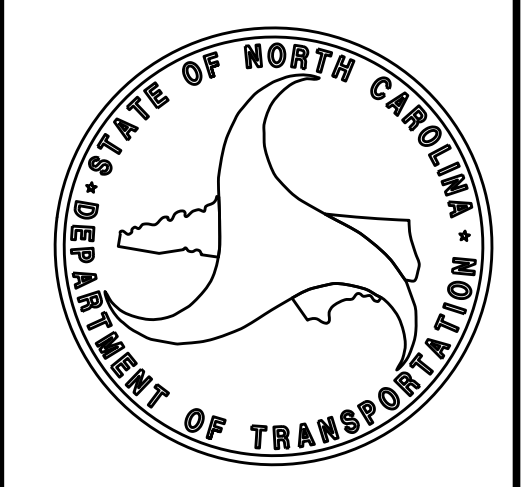
PROFESSIONAL LAND SURVEYOR



DocuSigned by:
Robert H. Benpton
EAT9E7CA3884F1...

11/19/2019

SIGNATURE: _____ Date: _____



\$\$\$\$\$SYTIME\$\$\$\$\$
\$\$\$\$\$DGN\$\$\$\$\$
\$\$\$\$\$SERNAME\$\$\$\$\$

PROPOSED ALIGNMENT CONTROL SHEET

PROJECT REFERENCE NO. BR-0042	SHEET NO. RW02D-1
Location and Surveys	
Dewberry Dewberry Engineers Inc. <small>551 PINEY FOREST ROAD DANVILLE, VA 24540 PHONE: 434.797.4497 FAX: 434.797.4341 NCBELS #F-0929</small>	



DocuSigned by:
Robert H. Bengtson
 EA78E7CA33894F1... 10/30/2019

L

TYPE	STATION	NORTH	EAST
PC	9+00.00	924762.1305	1810164.7528
PT	10+00.00	924711.0271	1810250.7064
PC	11+54.68	924633.4710	1810384.5344
PT	14+77.22	924465.5651	1810659.9002
PC	24+91.42	923918.3576	1811513.8098
PT	29+40.88	923687.7848	1811899.5359
POT	30+60.12	923629.8201	1812003.7377

Y

TYPE	STATION	NORTH	EAST
POT	10+00.00	924534.1970	1811026.7739
POT	18+14.95	923724.4170	1811118.4365

Y1

TYPE	STATION	NORTH	EAST
POT	10+00.00	924730.6534	1810785.5202
PC	10+16.70	924717.5739	1810775.1295
PT	10+81.29	924667.1987	1810734.7129
POT	12+93.06	924502.6612	1810601.3962

Y2

TYPE	STATION	NORTH	EAST
POT	10+00.00	924502.6612	1810601.3962
PC	12+08.59	924340.2057	1810470.5565
PT	12+98.12	924271.7603	1810412.8591
PC	13+06.60	924265.3984	1810407.2479
PT	13+96.75	924199.5153	1810345.7322

Y3

TYPE	STATION	NORTH	EAST
POT	10+00.00	924337.0668	1810860.4200
PC	10+18.54	924319.3987	1810854.7974
PRC	11+11.20	924231.0918	1810868.6142
PT	12+25.16	924124.8690	1810905.4280
POT	14+89.59	923860.7471	1810918.3079

Y4

TYPE	STATION	NORTH	EAST
PC	10+00.00	924376.2828	1811211.0473
PT	11+65.41	924239.0604	1811303.0687
PC	12+58.29	924166.5166	1811361.0665
PT	13+86.67	924045.3649	1811378.0815
POT	14+20.89	924013.7824	1811364.9008

REVISIONS

NOTES:

- I. 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

PERMANENT EASEMENT CONTROL SHEET

I, ROBERT H. BENGTON, 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).


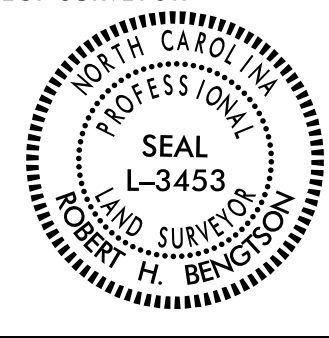
Witness my original signature, registration number and seal this 14th day of November, 2019.

DocuSigned by:

 EA79E7CA3884F1
 Professional Land Surveyor

L-3453
 PLS #

Seal

PROJECT REFERENCE NO. BR-0042	SHEET NO. RW03E-2
Location and Surveys	
 Dewberry Dewberry Engineers Inc. <small>551 PINEY FOREST ROAD DANVILLE, VA 24040 PHONE: 434.797.4497 FAX: 434.797.4341 NCBELS #F-0929</small>	
PROJECT SURVEYOR  11/15/2019	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

REVISIONS

ROW MARKER PERMANENT EASEMENT-E				
ALIGN	STATION	OFFSET	NORTH	EAST
L	9+48.00	-30.00	924763.1411	1810221.2106
L	9+48.00	-46.00	924776.8903	1810229.3934
L	11+58.00	-57.00	924681.1079	1810416.0123
L	28+49.00	34.21	923703.2785	1811802.5201
L	28+49.00	51.00	923688.7102	1811794.1716
L	28+79.00	51.00	923673.7432	1811820.4156
L	28+79.00	32.47	923689.8628	1811829.5643
L	14+47.00	57.32	924433.4297	1810603.6961

ROW MARKER PERMANENT EASEMENT-E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y1	11+90.00	-22.01	924568.8765	1810683.3778
Y1	11+70.00	-22.17	924584.3147	1810696.0934
Y1	11+70.00	-45.00	924569.9439	1810713.8296
Y1	11+90.00	-45.00	924554.4046	1810701.2388
Y1	12+05.00	45.00	924599.4086	1810621.8685
Y1	12+05.00	23.11	924585.6280	1810638.8764

ROW MARKER PERMANENT EASEMENT-E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y2	11+45.00	-31.71	924369.8425	1810535.1412
Y2	11+45.00	-45.00	924361.5063	1810545.4917
Y2	13+92.69	54.00	924240.2642	1810310.0750
Y2	13+87.10	28.00	924225.9588	1810332.4605
Y2	10+39.00	70.48	924516.4935	1810522.0453

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.

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 Robert H. Bengton

6/2/09

Location and Surveys

Dewberry
Dewberry Engineers Inc.
551 PINEY FOREST ROAD
DANVILLE, VA 24540
PHONE: 434.797.4407
FAX: 434.797.4341
NCBELS #F-0929

PROJECT SURVEYOR

11/15/2019

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

I, ROBERT H. BENGTSON, a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work (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.

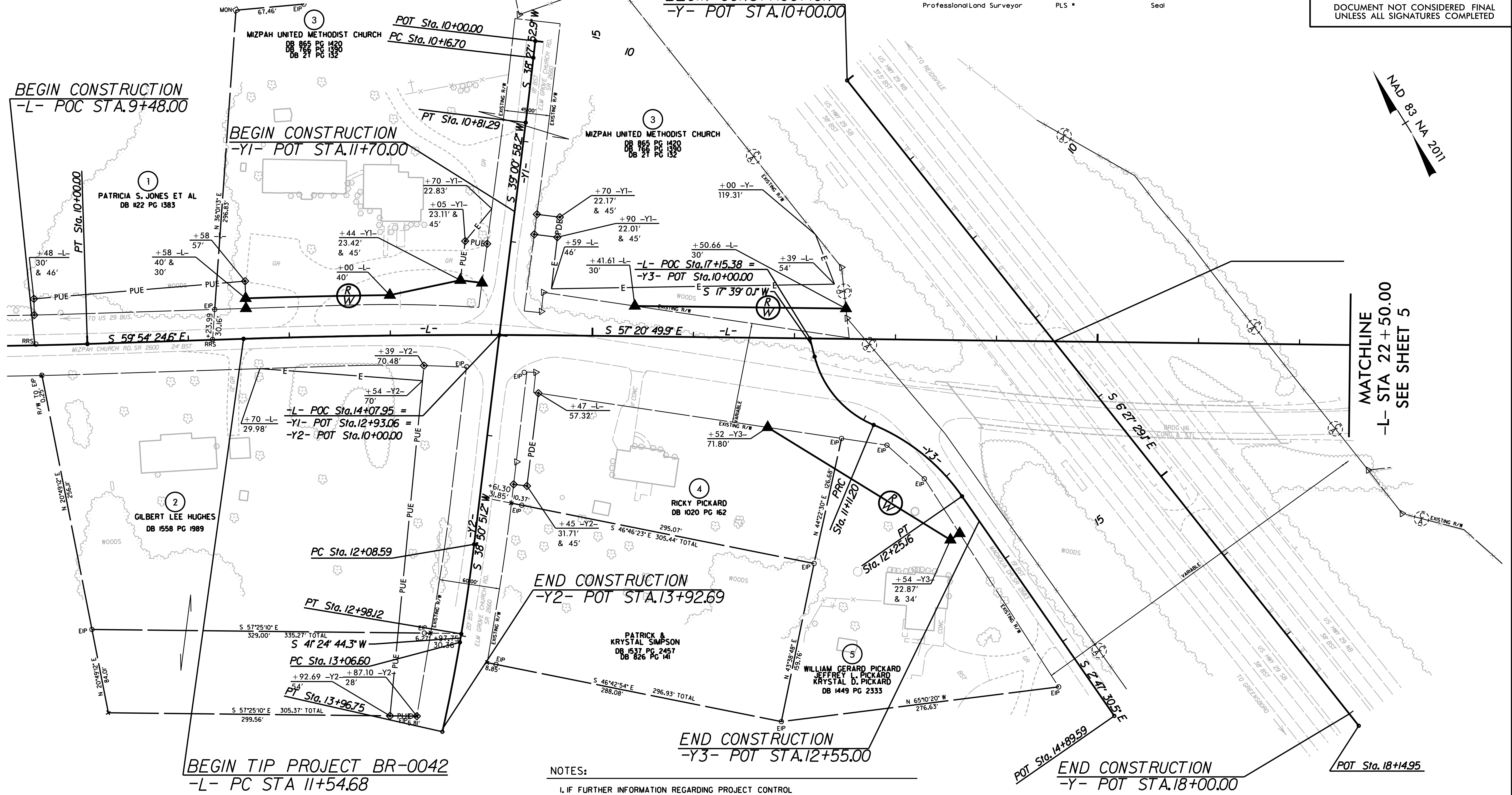
I further certify that the right of way and permanent easement points shown herein and outlined in the tables shown hereon (localized coordinates, station/offset) have been checked and are accurate representations of the right of way and permanent easement points depicted on the corresponding highway 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 28th day of October, 2019.

DocuSigned by:
Robert H. Bengtson
EA276E7C43384F1
Professional Land Surveyor L-3453 PLS Seal

-L-	-Y1-	-Y2-
PI Sta 9+50.00 Δ = 1'16" 50.0" (LT) D = 1'16" 50.0" L = 100.00' T = 50.00' R = 4,474.33' e = N/A R.O. = N/A	PI Sta 10+49.00 Δ = 0'33" 05.3" (RT) D = 0'51" 14.0" L = 64.58' T = 32.29' R = 6,710.00' e = N/A R.O. = N/A	PI Sta 12+53.36 Δ = 2'33" 53.3" (RT) D = 2'51" 53.2" L = 89.53' T = 44.77' R = 2,000.00' e = N/A R.O. = N/A

-Y3-
PI Sta 10+68.50 Δ = 53'05" 26.7" (LT) D = 57'17" 44.8" L = 92.66' T = 49.96' R = 100.00' e = SEE PLANS R.O. = SEE PLANS

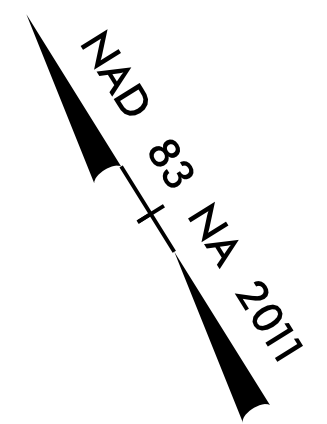


NOTES:

- 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

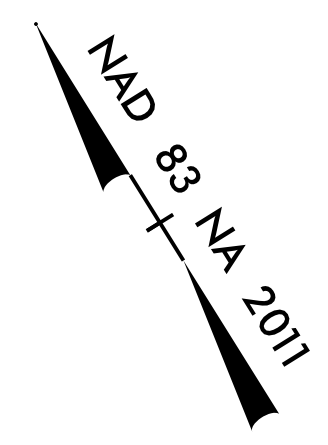
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 RHB



MATCHLINE
-L- STA 22+50.00
SEE SHEET 5

6/2/09

-L-	-Y4-	-Y4-
PI Sta 27+16.22	PI Sta 10+82.90	PI Sta 13+29.39
$\Delta = 3' 34' 00.39''$ (LT)	$\Delta = 9' 35' 31.66''$ (LT)	$\Delta = 6' 17' 40.9''$ (RT)
$D = 0' 47' 36.9''$	$D = 5' 47' 55.90''$	$D = 4' 44' 47.3''$
$L = 449.46'$	$L = 165.4'$	$L = 128.38'$
$T = 224.80'$	$T = 82.90'$	$T = 71.0'$
$R = 7220.00'$	$R = 988.05'$	$R = 120.00'$
$e = NC$	$e = \text{SEE PLANS}$	$e = \text{SEE PLANS}$
	$R.O. = \text{SEE PLANS}$	$R.O. = \text{SEE PLANS}$



I, ROBERT H. BENGTSON, 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.

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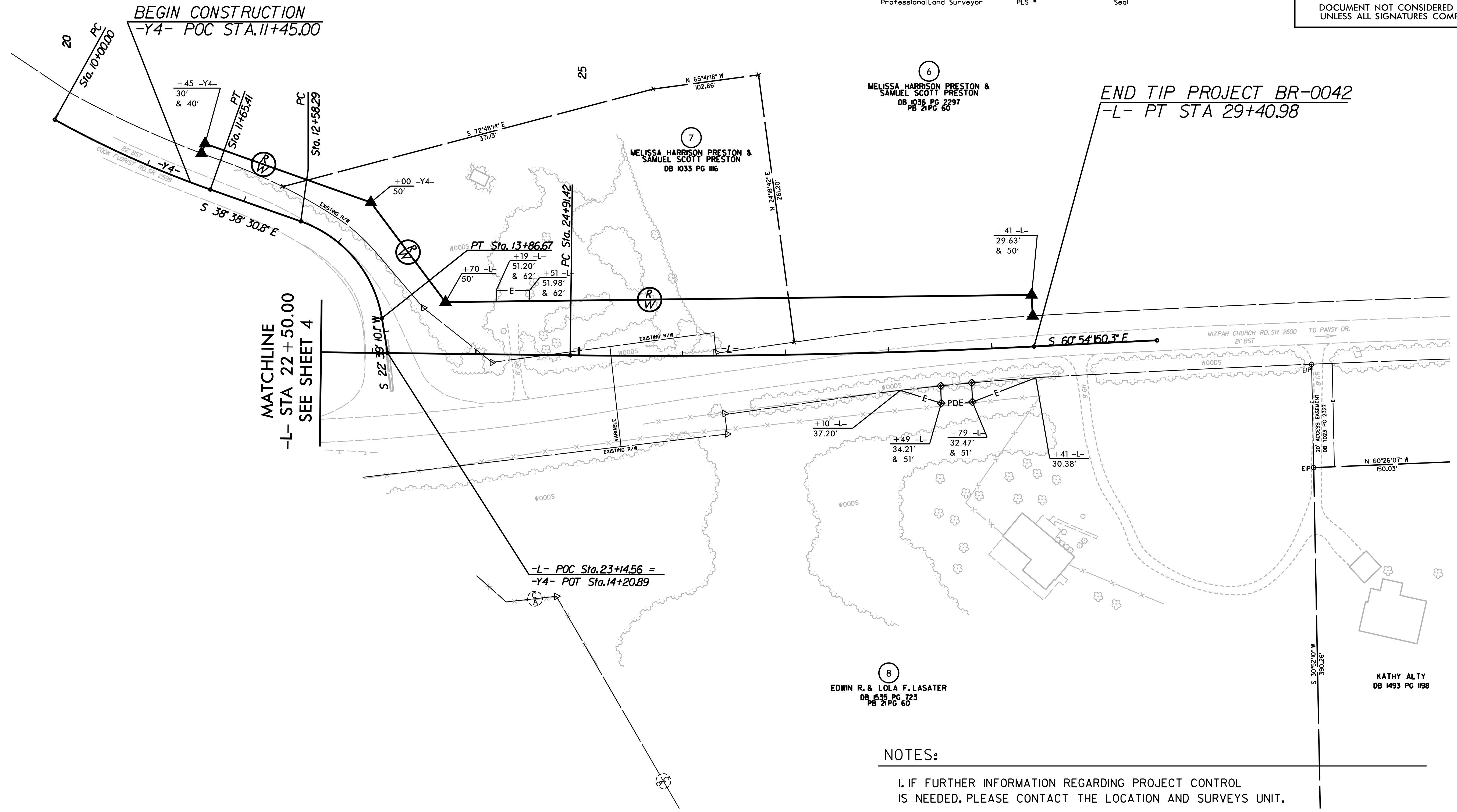
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Witness my original signature, registration number and seal this 28th day of October, 2019.

DocuSigned by:
Robert H. Bengtson
 EAT9E7CA33884F1
 Professional Land Surveyor L-3453 PLS Seal

PROJECT REFERENCE NO. BR-0042	SHEET NO. RW05
Location and Surveys	
 Dewberry Dewberry Engineers Inc. 551 PINEY FOREST ROAD DANVILLE, VA 24040 PHONE: 434.797.4407 FAX: 434.797.4341 NCBELS #F-0929	
PROJECT SURVEYOR	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

REVISIONS



6
 MELISSA HARRISON PRESTON & SAMUEL SCOTT PRESTON
 DB 1036 PG 2397
 PB 21 PG 60

7
 MELISSA HARRISON PRESTON & SAMUEL SCOTT PRESTON
 DB 1033 PG 116

8
 EDWIN R. & LOLA F. LASATER
 DB 1535 PG 723
 PB 21 PG 60

KATHY ALTY
 DB 1493 PG 198

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.

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