

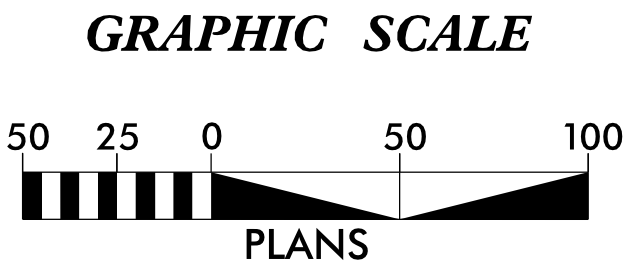
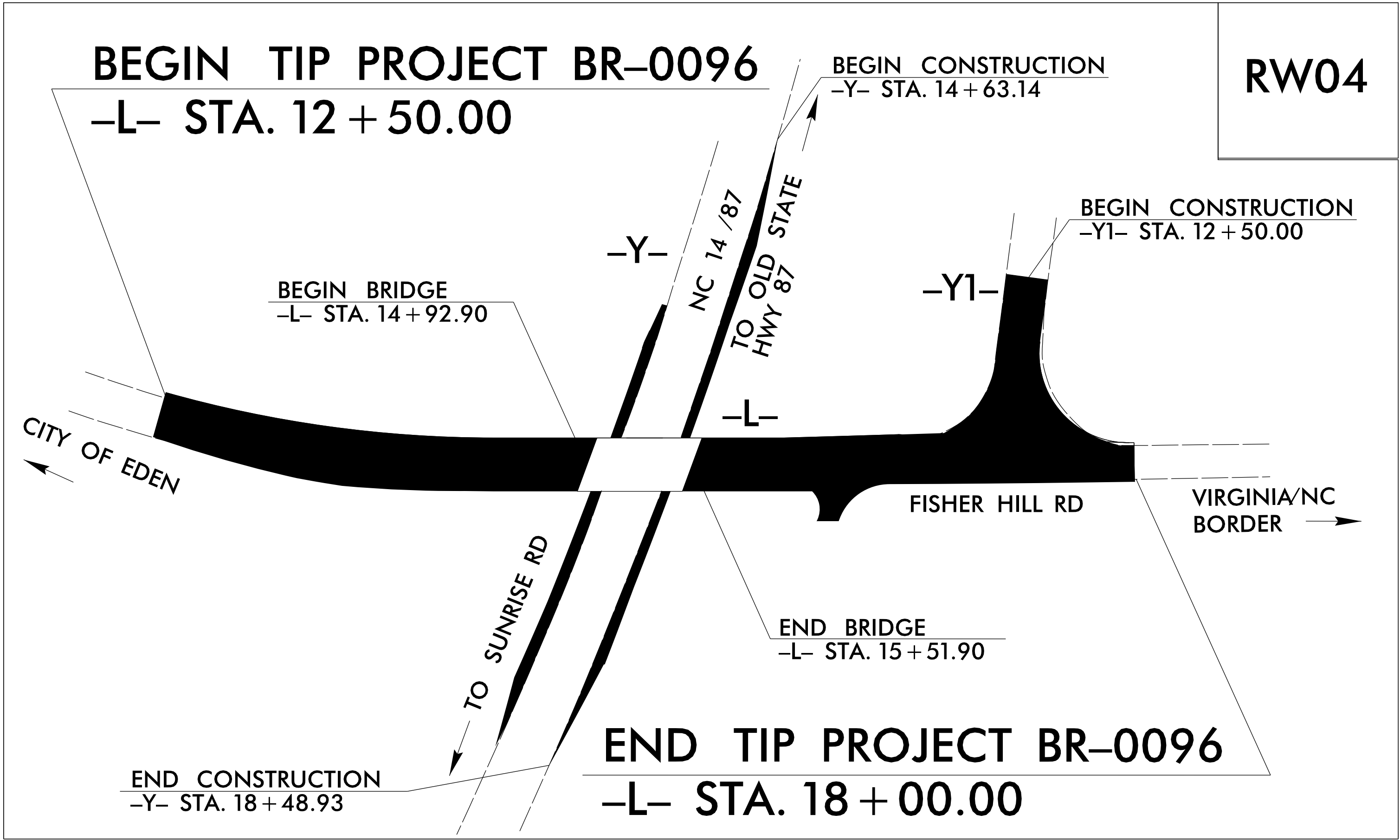
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	BR-0096	RW01	7

TIP PROJECT: BR-0096

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

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

ROCKINGHAM COUNTY



DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "BR0044-2" WITH NAD 83/NA 2011 STATE PLANE GRID COORDINATES OF NORTHING: 1012258.796(ft) EASTING: 1773751.701(ft) ELEVATION: 612.29(ft)

THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 1.00009707

THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "BR0096-1" TO -L- STATION 10+00.00 IS N 06-51'51" E 447.23(ft)

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

Prepared in the Office of:

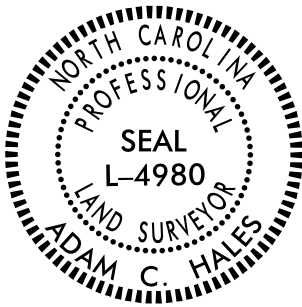
Dewberry
Dewberry Engineers Inc.
551 PINEY FOREST ROAD
DANVILLE, VA 24040
PHONE: 434.797.4497
FAX: 434.797.4341
NCBELS #F-0929

2024 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
02/29/2024

LETTING DATE:
01/20/2026

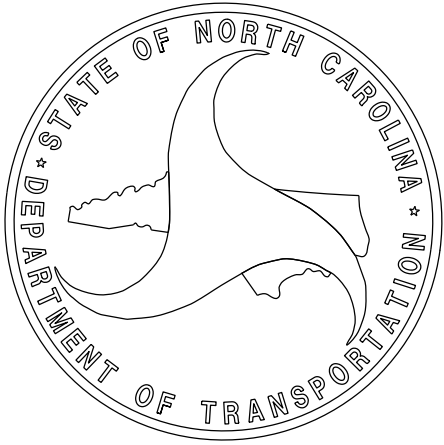
PROFESSIONAL LAND SURVEYOR


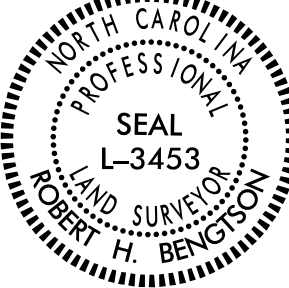


DocuSigned by:
Adam Hales
E91D0BC1163E43D...

10/30/25

SIGNATURE: **Date:**



PROJECT REFERENCE NO.	SHEET NO.
BR0096	RW02C-1
<h1>Location and Surveys</h1>	
<div>Dewberry[®] Dewberry Engineers Inc.</div> <div>551 PINEY FOREST ROAD DANVILLE, VA 24040 PHONE: 434.797.4497 FAX: 434.797.4341 NCBELS #F-00029</div>	
<div>PROJECT SURVEYOR</div> <div></div> <div>11/5/2021</div> <div>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</div>	

This 5th day of November, 2021.

DocuSigned by:
Robert H. Bengtson
EA79E7CA33894F1...



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

BL	POINT	DESC.	NORTH	EAST	ELEVATION
1		BR0096_1	1012506.4123	1771200.6462	759.91
2		BR0096-2	1013326.7892	1771305.5903	731.44
3		BL-3	1013884.0542	1771266.1856	729.24


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XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
BM1          ELEVATION = 723.01
N 1013624    E 1771393
BL STATION 16+17.00 108 RIGHT
RAIL ROAD SPIKE IN A 15" OAK
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

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PROJECT REFERENCE NO.	SHEET NO.
BR0096	RW02C-2

Location and Surveys

**Dewberry**[®]
Dewberry Engineers Inc.

551 PINEY FOREST ROAD
DANVILLE, VA 24040
PHONE: 434.737.4497
FAX: 434.737.4341
NCBELS #F-0809

PROJECT SURVEYOR



11/5/2021

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

I, ROBERT H. BENGTON, PLS, certify that the Baseline Control for this project 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 1:20,000 (Class AA) and Vertical accuracy to Class A. Field work was performed from 03/19/20 to 03/27/20 , and all coordinates are based on NAD 83/2011 and all elevations are based on NAVD 88; that this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 5th day of November, 2021.

DocuSigned by:
Robert H. Bengtson
EA79E7CA33894F1...

Professional Land Surveyor L-3453

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.

6/2/99

REVISIONS


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150161858\150161858\Survey\microstation\e sheets\BR0096.L.S._RW03E-1.240719.dgn
bpoewell AT PF4BTV

RIGHT OF WAY CONTROL SHEET

PROJECT REFERENCE NO.
BR-0096

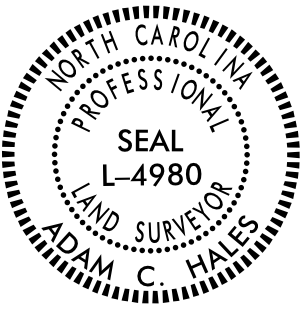
SHEET NO.
RW03E-1

Location and Surveys

**Dewberry**[®]
Dewberry Engineers Inc.

351 PINEY FOREST ROAD
DANVILLE, VA 24540
PHONE: 434.787.4487
FAX: 434.787.4341
NCBELS #F-0929

PROJECT SURVEYOR



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

I, Adam C. Hales, 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 7/1/24 to 7/16/24, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This is the day of July, 2024.


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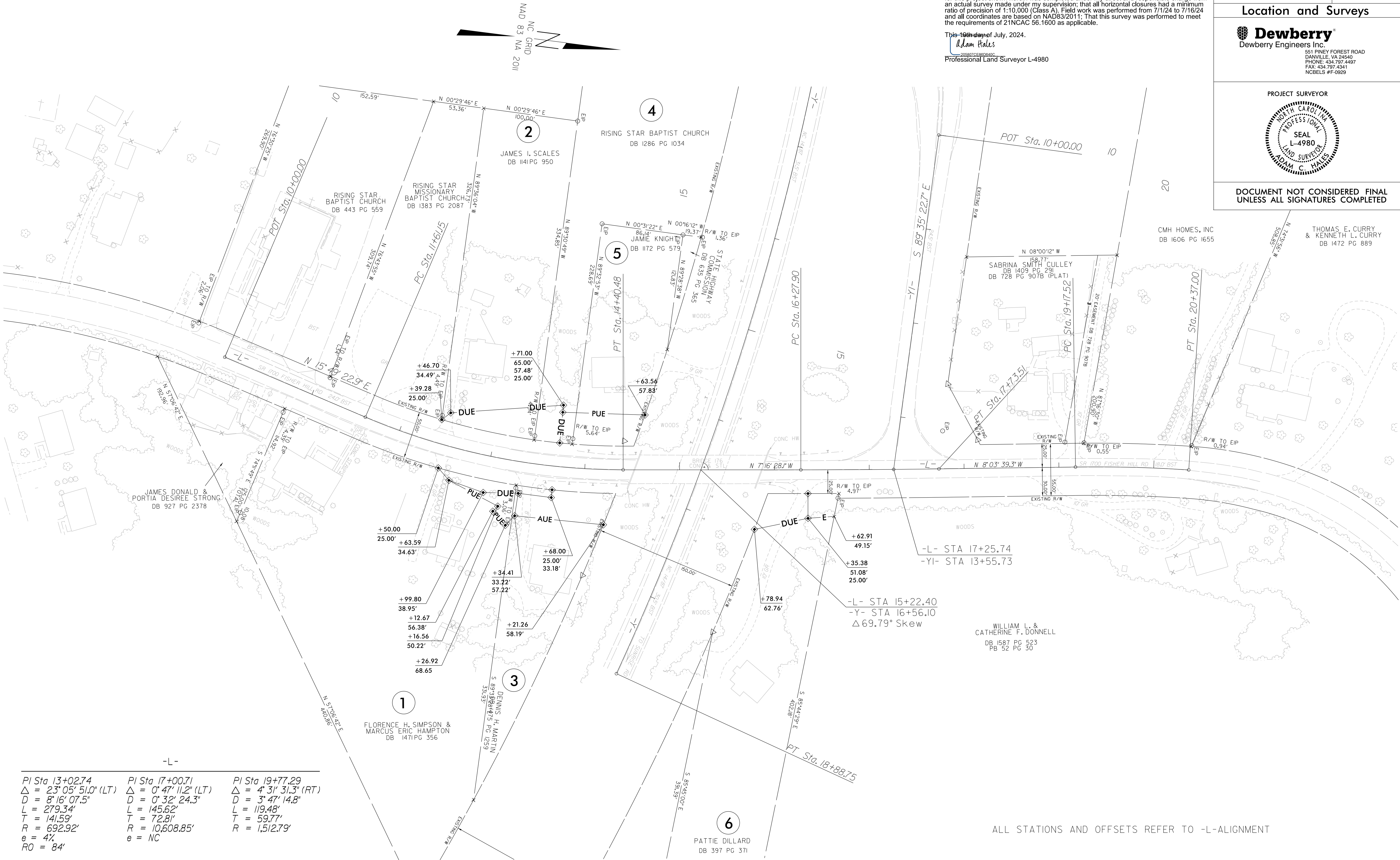
Professional Land Surveyor L-4980

ROW MARKER PERMANENT EASEMENT-E				
ALIGN	STATION	OFFSET	NORTH	EAST
L	12+39.28	-25.00	1013185.7661	1771290.3968
L	12+46.70	-34.49	1013194.2713	1771282.1437
L	12+50.00	25.00	1013188.6007	1771341.4521
L	12+63.59	34.63	1013201.3122	1771352.9387
L	12+99.80	38.95	1013238.8077	1771361.1249
L	13+12.67	56.38	1013251.3612	1771379.4341
L	13+16.56	50.22	1013255.8838	1771373.5174
L	13+26.92	68.65	1013266.3064	1771392.4277
L	13+34.41	33.22	1013275.4544	1771357.2641
L	13+34.41	57.22	1013274.8257	1771381.2606
L	13+68.00	33.18	1013310.6527	1771357.2947
L	13+68.00	25.00	1013310.4698	1771349.1144
L	13+71.00	-25.00	1013312.2429	1771299.0560
L	13+71.00	-57.48	1013311.3763	1771266.5897
L	13+71.00	-65.00	1013311.1756	1771259.0702
L	14+21.26	58.19	1013368.8203	1771378.7945
L	14+63.56	-57.83	1013397.7280	1771258.4271
L	15+78.94	62.76	1013527.4482	1771363.4403
L	16+35.38	51.08	1013581.9915	1771344.7028
L	16+35.38	25.00	1013578.6705	1771318.8320

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 3/18/24 TO 4/26/24 .

REVISIONS



-L-		
PI Sta 13+02.74	PI Sta 17+00.71	PI Sta 19+77.29
$\Delta = 23^{\circ}05'51.0''$ (LT)	$\Delta = 0^{\circ}47'11.2''$ (LT)	$\Delta = 4^{\circ}31'31.3''$ (RT)
$D = 8^{\circ}16'07.5''$	$D = 0^{\circ}32'24.3''$	$D = 3^{\circ}47'14.8''$
$L = 279.34'$	$L = 145.62'$	$L = 119.48'$
$T = 141.59'$	$T = 72.81'$	$T = 59.77'$
$R = 692.92'$	$R = 10,608.85'$	$R = 1,512.79'$
$e = 4\%$	$e = NC$	
$RO = 84'$		

-Y-
PI Sta 14+47.84
$\Delta = 17^{\circ}27'10.4''$ (RT)
$D = 1^{\circ}57'49.5''$
$L = 888.75'$
$T = 447.84'$
$R = 2,917.65'$

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 7/1/24 TO 7/16/24.

I, Adam C. Hales, 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 7/1/24 to 7/16/24 and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This is the day of July, 2024.

Adam Hales

Professional Land Surveyor L-4980

PROJECT REFERENCE NO.	SHEET NO.
BR-0096	RW04
Location and Surveys	
 Dewberry Engineers Inc. 551 PINEY FOREST ROAD DANVILLE, VA 24540 PHONE: 434-787-4407 FAX: 434-787-4341 NCBELS #F-0929	
PROJECT SURVEYOR	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	