DocuSign Envelope ID: 51D3AF8D-38D0-41F2-9B6A-DE2B9928A444

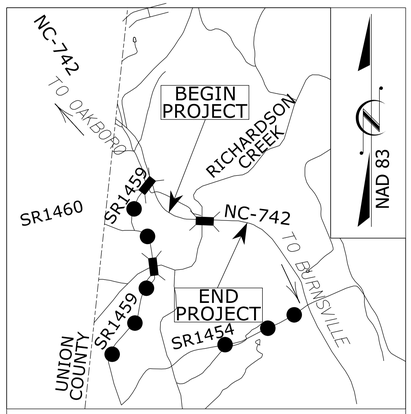
09/08/99

TIP PROJECT: BR-0063

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

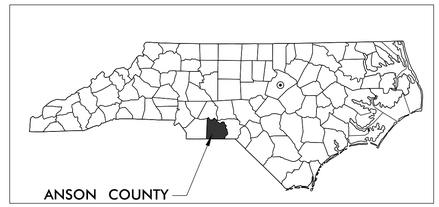
ANSON COUNTY

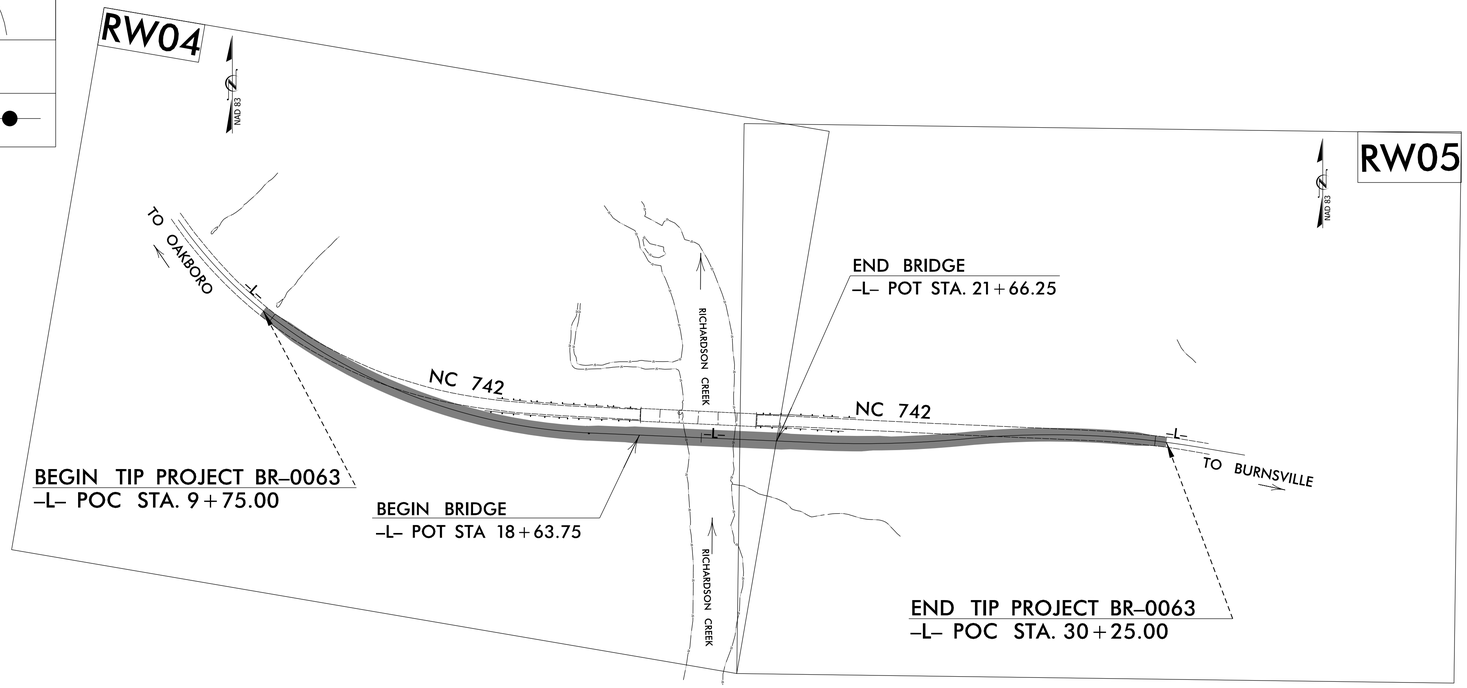
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	BR-0063	RW01	5



VICINITY MAP (NTS)

DETOUR :





GRAPHIC SCALES

50 25 0 50 100

PLANS

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE NAD 1983 (CONUS) NA 2011 STATE PLANE COORDINATES FOR THE NCDOT MONUMENT "BR-0063-1" WITH A NORTHING OF 511,274.226' EASTING OF 1,618,286.181'. THE AVERAGE COMBINED FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS 0.99986472 (1/X=1.00013530). THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "BR-0063-1" TO -L- STATION 09+75.00 IS N 33'59'41.0" W 78.89' (ft) ALL LINEAR DISTANCES ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NAVD 88.

Prepared in the Office of:

DRMP

DRMP, INC.
8210 UNIVERSITY EXECUTIVE PARK DRIVE, SUITE 220
CHARLOTTE, NC 28262
PHONE: (919) 650 1038

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE: OCTOBER 2023

LETTING DATE: DECEMBER 17, 2024

PROFESSIONAL LAND SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-5373 LAND SURVEYOR AUGUST A. THICK

DocuSigned by:
[signature]
01EE62CDED8946E...
SIGNATURE:

11/22/2023
DATE:

STATE OF NORTH CAROLINA • DEPARTMENT OF TRANSPORTATION •

6/2/99

REVISIONS

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
BR-0063	RW02C-1

Location and Surveys

GEL SOLUTIONS

111-C CREEKRIDGE ROAD
GREENSBORO, NC 27406

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-3996 LAND SURVEYOR PARKS H ICENHOUR JR

GEL ENGINEERING OF NC, INC. NO. C-1938 NORTH CAROLINA CERTIFICATE OF AUTHORIZATION

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

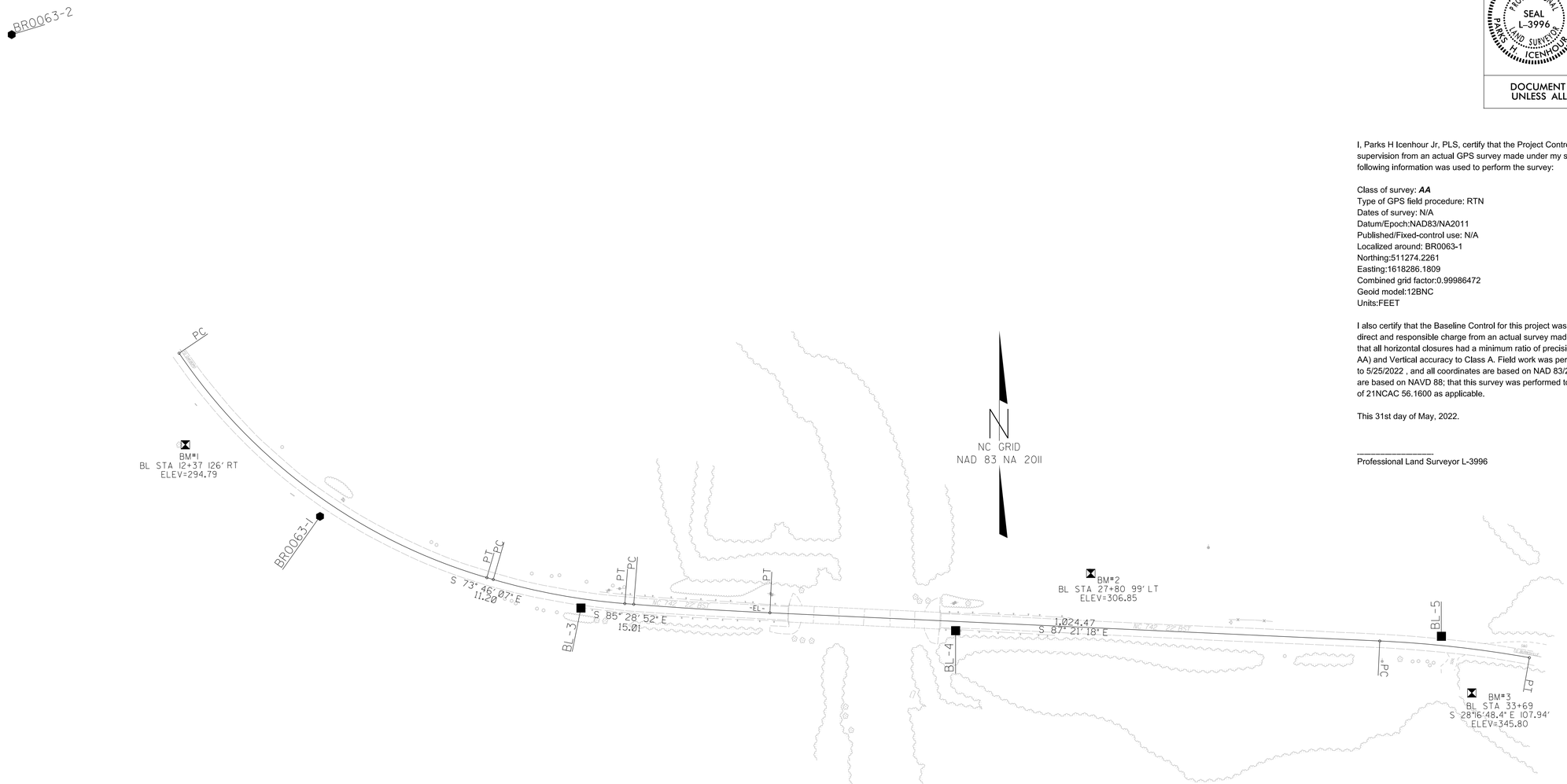
I, Parks H Icenhour Jr, PLS, certify that the Project Control was verified under my supervision from an actual GPS survey made under my supervision and the following information was used to perform the survey:

Class of survey: ***AA***
Type of GPS field procedure: RTN
Dates of survey: N/A
Datum/Epoch:NAD83/NA2011
Published/Fixed-control use: N/A
Localized around: BR0063-1
Northing:511274.2261
Easting:1618286.1809
Combined grid factor:0.99986472
Geoid model:12BNC
Units:FEET

I also 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 5/16-2022 to 5/25/2022 , 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 31st day of May, 2022.

_____
Professional Land Surveyor L-3996



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.

31-MAY-2022 13:07
C:\BR0063\SHEETS\BR0063_LS_RW02C-1.dgn
Andy Smith AT ANDYSMITH

6/2/99

REVISIONS

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

BL

POINT	DESC.	NORTH	EAST	ELEVATION
2	BR0063-2	512082.9317	1617768.7922	298.41
1	BR0063-1	511274.2261	1618286.1809	298.23
3	BL-3	511120.6900	1618724.1330	298.64
4	BL-4	511082.3210	1619352.7640	298.05
5	BL-5	511072.9580	1620167.8970	336.58

* *

BM1 ELEVATION = 294.79

N 511394 E 1618060

RR SPIKE IN ROOT OF 48" WILLOW OAK

* *

* *

BM2 ELEVATION = 306.85

N 511179 E 1619580

RR SPIKE IN BASE OF 12" ELM

* *

* *

BM3 ELEVATION = 345.80

N 510978 E 1620219

RR SPIKE IN ROOT OF 18" RED OAK

* *

PROJECT REFERENCE NO.	SHEET NO.
BR-0063	RW02C-2

Location and Surveys

GEL SOLUTIONS

111-C CREEKRIDGE ROAD
GREENSBORO, NC 27406

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-3996 LAND SURVEYOR PARKS H ICENHOUR JR

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This 31st day of May, 2022.

_____
Professional Land Surveyor L-3996

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.

31-MAY-2022 10:27
C:\BR0063\SHEETS\BR0063_LS_rw02c.dgn
Andy Smith AT ANDYSMITH

6/2/99

REVISIONS

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	511548.153	1618049.711							
CURVE			S 53°53'26.0" E	639.23	39°45'21.5"(LT)	06°05'43.1"	652.24	339.87	940.00
PT	511171.434	1618566.143							
LINE			S 73°46'06.8" E	11.20					
PC	511168.305	1618576.893							
CURVE			S 79°37'29.2" E	224.47	11°42'44.8"(LT)	05°12'31.3"	224.86	112.82	1100.00
PT	511127.879	1618797.694							
LINE			S 85°28'51.6" E	15.01					
PC	511126.696	1618812.657							
CURVE			S 86°25'05.0" E	228.96	01°52'26.8"(LT)	00°49'06.6"	228.97	114.49	7000.00
PT	511112.392	1619041.166							
LINE			S 87°21'18.4" E	1024.47					
PC	511065.117	1620064.543							
CURVE			S 83°38'23.6" E	252.71	07°25'49.5"(RT)	02°56'17.7"	252.89	126.62	1950.00
PT	511037.122	1620315.697							

EL

PROJECT REFERENCE NO.	SHEET NO.
BR-0063	RW02C-3

Location and Surveys

GEL SOLUTIONS
111-C CREEKRIDGE ROAD
GREENSBORO, NC 27406

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-3996 LAND SURVEYOR PARKS H ICENHOUR JR

NORTH CAROLINA GEL ENGINEERING OF NC, INC. NO. C-1938 CERTIFICATE OF AUTHORIZATION

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This 31st day of May, 2022.

_____
Professional Land Surveyor L-3996

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.

31-MAY-2022 10:32
C:\BR0063\SHEETS\BR0063_LS-rw02c-3.dgn
Andy Smith AT ANDYSMITH

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5/26/20

PROPOSED ALIGNMENT CONTROL SHEET

-L-			
TYPE	STATION	NORTH	EAST
BEGIN	7+00.00	511540.07	1618055.23
PCC	10+10.69	511317.89	1618270.37
PT	17+53.89	511071.09	1618959.83
PC	22+74.48	511048.97	1619479.95
PRC	25+95.93	511059.45	1619800.99
PT	31+14.18	511036.85	1620317.23
END	32+00.00	511022.3	1620401.8

I, AUGUST A. THICK, PLS, 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.

THIS 22ND DAY OF NOVEMBER, 2023.

DocuSigned by:

PROFESSIONAL LAND SURVEYOR L-5373

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.

BR-0063

R/W | 020-1

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

PROFESSIONAL LAND SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-5373 LAND SURVEYOR AUGUST A. THICK

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES ARE COMPLETED

2018 STANDARD SPECIFICATIONS

TIP PROJECT: BR-0063

County: ANSON

PREPARED FOR

LOCATION AND SURVEYS UNIT

PREPARED BY

DRMP

DocuSign Envelope ID: 51D3AF8D-38D0-41F2-9B6A-DE2B9928A444

5/26/20

RIGHT OF WAY CONTROL SHEET

PERMANENT ROW MARKER IRON PIN AND CAP				
ALIGNMENT	STATION	OFFSET	NORTH	EAST
-L-	11+63.00	46.27	511194.29	1618374.73
-L-	11+63.00	76.00	511168.47	1618359.98
-L-	16+31.00	136.00	510948.24	1618817.93
-L-	18+20.00	-94.78	511162.98	1619029.91
-L-	18+20.00	-105.00	511173.19	1619030.34
-L-	21+16.00	95.01	510960.78	1619317.58
-L-	22+74.00	-73.11	511122.03	1619482.58
-L-	22+74.00	-105.00	511153.90	1619483.93
-L-	23+53.00	49.00	510998.56	1619558.38
-L-	27+34.00	71.00	510995.88	1619940.13
-L-	27+34.00	46.04	511020.83	1619939.68

I , AUGUST A. THICK, 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 NOVEMBER 2023, AND ALL COORDINATES ARE BASED ON NAD83/2011; THAT THIS SURVEY WAS PERFORMED TO MEET THE REQUIREMENTS OF 21NCAC 56.1600 AS APPLICABLE.

THIS 22ND DAY OF NOVEMBER, 2023.

DocuSigned by:

PROFESSIONAL LAND SURVEYOR L-5373

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.

BR-0063

R/W | 03E-1

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

PROFESSIONAL LAND SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-5373 LAND SURVEYOR AUGUST A. THICK

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2018 STANDARD SPECIFICATIONS

TIP PROJECT: BR-0063

County: ANSON

PREPARED FOR

LOCATION AND SURVEYS UNIT

PREPARED BY

DRMP

DocuSign Envelope ID: 51D3AF8D-38D0-41F2-9B6A-DE2B9928A444

5/26/20

I , AUGUST A. THICK , 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 NOVEMBER 2023, AND ALL COORDINATES ARE BASED ON NAD83/2011; THAT THIS SURVEY WAS PERFORMED TO MEET THE REQUIREMENTS OF 21NCAC 56.1600 AS APPLICABLE.

THIS 22ND DAY OF NOVEMBER, 2023.

DocuSigned by:

01FF07CDED8046E...

PROFESSIONAL LAND SURVEYOR L-5373

NC GRID
NAD 83 NA 2011

S 71°39'55" E 69.11'
S 78°36'30" E 58.47'
S 63°39'55" E 55.90'
S 82°38'41" E 88.09'
S 46°41'22" E 85.12'
S 63°39'55" E 99.88'
S 83°39'55" E 149.86'
N 53°41'36" W 148.12'

-L- PCC 10+10.69

EXISTING R/W

-L-

10+00

EXISTING R/W

EXISTING R/W

-L-

+63.00 -L-
EXIST.R/W

+63.00 -L-
76.00 (RT)

+31.00 -L-
136.00 (RT)

+53.07 -L-
123.52 (RT)

+06.97 -L-
115.93 (RT)

+27.00 -L-
118.14 (RT)

+37.67 -L-
107.08 (RT)

(1)
ROBERT ROSS
DB 931PG 3
PLAT A-217 PG 5

CURTIS WHITLEY
DB 485 PG 296

L-PT 17+53.89

N 42°04'53" W 26.01'

RICHARDSON CREEK

S 08°06'43" E 132.00'

N 02°43'33" W 31.20'

S 02°27'33" W 652.27'

S 89°20'05" W 72.31'

S 89°20'05" W 232.67'

N 19°47'12" E 13.54'

+20.00 -L-
105.00 (LT)
+20.00 -L-
EXIST.R/W

L-PT 14+00

20+00

-L-

S 87°33'58.4" E

N 02°32'50" W 7.76'

RICHARDSON CREEK

S 01°04'03" E 258.12'

N 15°50'80" E

MATCHLINE SHEET RW05 STA: 21+00

(1)
ROBERT ROSS
DB 931PG 3
PLAT A-217 PG 5

NOTES:

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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.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED NOVEMBER 2023

BR-0063
R/W | RW04

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

PROFESSIONAL LAND SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-5373 LAND SURVEYOR AUGUST A. THICK

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2018 STANDARD SPECIFICATIONS

TIP PROJECT: *BR-0063*
County: ANSON

PREPARED FOR

LOCATION AND SURVEYS UNIT

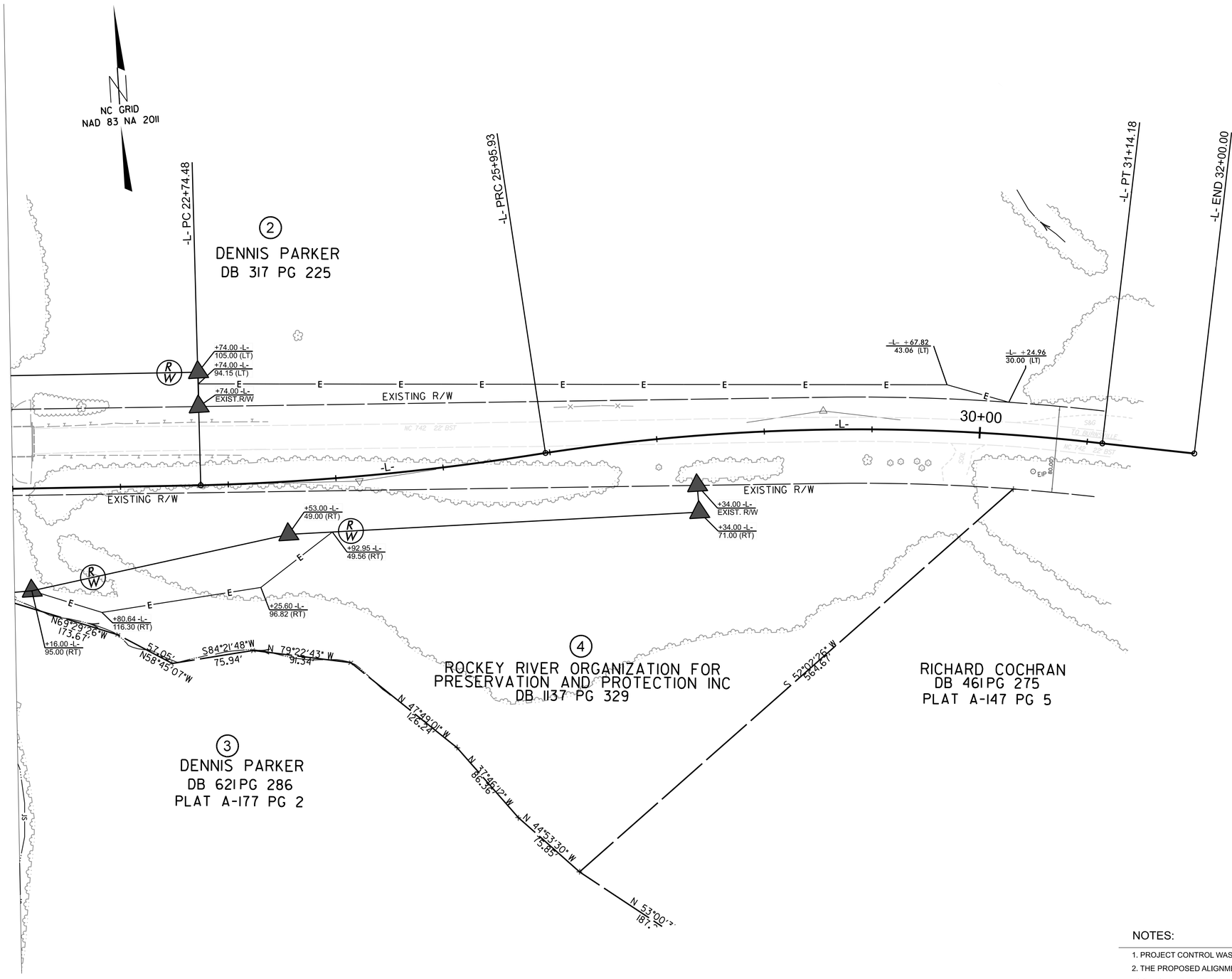
PREPARED BY

DRMP

DocuSign Envelope ID: 51D3AF8D-38D0-41F2-9B6A-DE2B9928A444

5/26/20

MATCHLINE SHEET RW04 STA 21+00



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THIS 22ND DAY OF NOVEMBER, 2023.

DocuSigned by:
01EF07CDED8946E...

PROFESSIONAL LAND SURVEYOR L-5373

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BR-0063
R/W | RW05

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

PROFESSIONAL LAND SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-5373 LAND SURVEYOR AUGUST A. THICK II

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2018 STANDARD SPECIFICATIONS

TIP PROJECT: BR-0063
County: ANSON

PREPARED FOR

LOCATION AND SURVEYS UNIT

PREPARED BY

DRMP