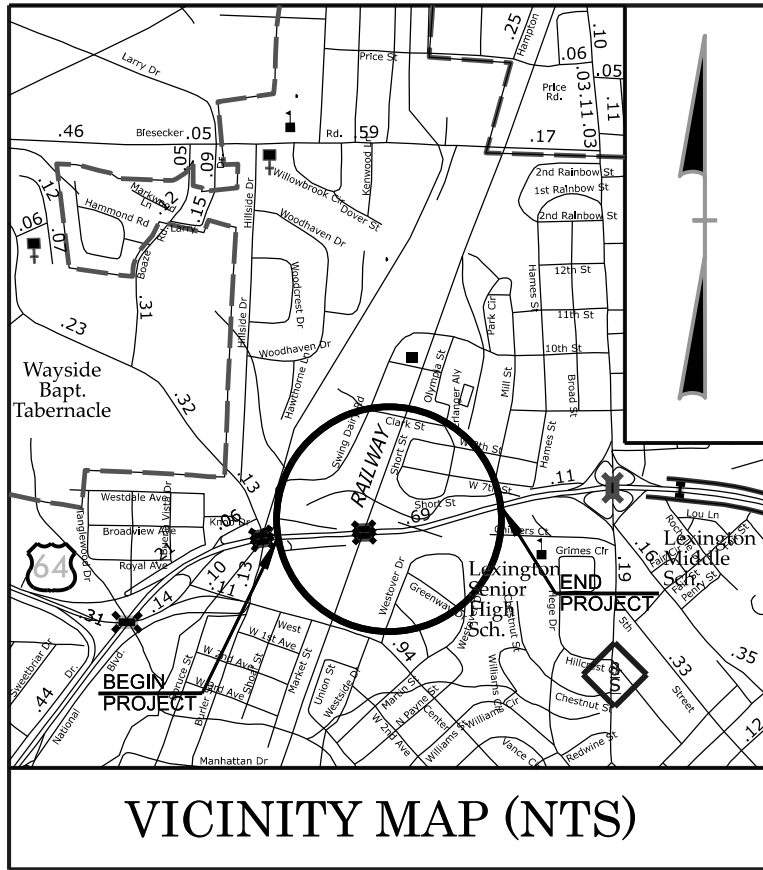


STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

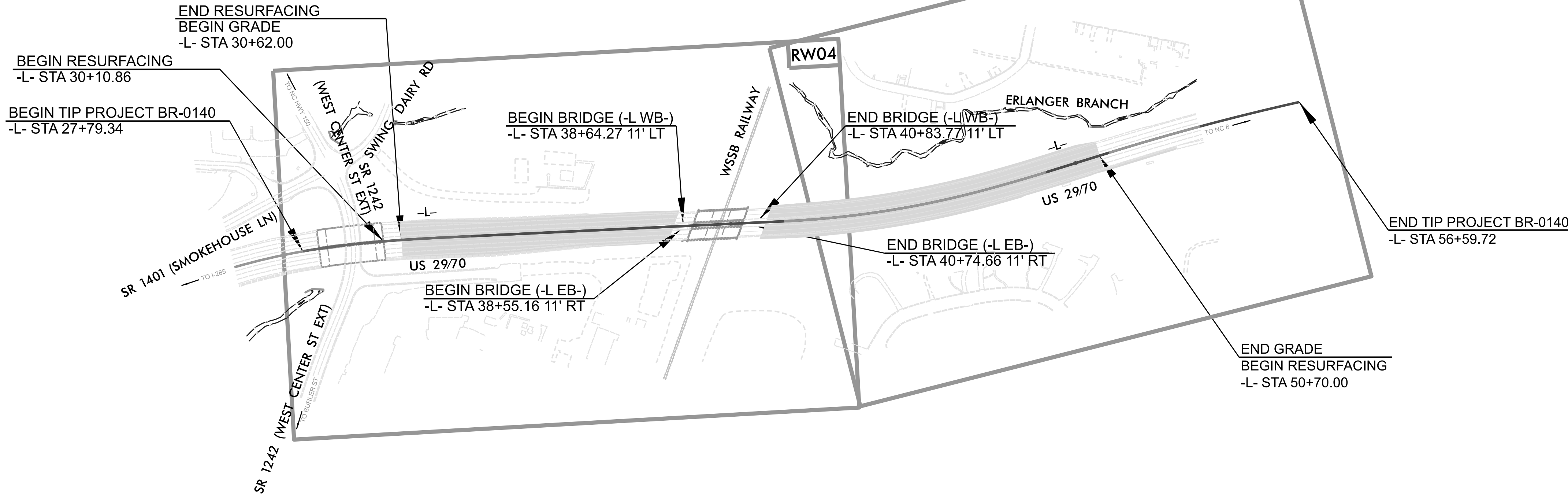
SURVEY CONTROL, EXISTING CENTERLINES,
RIGHT OF WAY, EASEMENTS AND PROPERTY TIES

DAVIDSON COUNTY

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	BR-0140	RW01	7

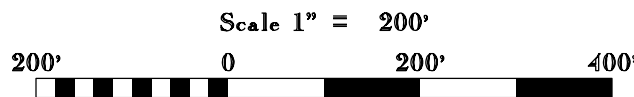


VICINITY MAP (NTS)



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

GRAPHIC SCALES



DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT
IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY
NCDOT FOR MONUMENT "GPS-1"
WITH NAD 83/NA 2011 (CONUS) STATE PLANE GRID COORDINATES OF
NORTHING: 760824.8838 EASTING: 1626190.5472
ELEVATION: 778.108'
THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT
(GROUND TO GRID) IS: 0.999891821
ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
VERTICAL DATUM USED IS NAVD 88

Prepared in the Office of:
LOCATION AND SURVEYS
DIVISION 9
403 POLO RD
WINSTON-SALEM, NC 27105

2024 STANDARD SPECIFICATIONS

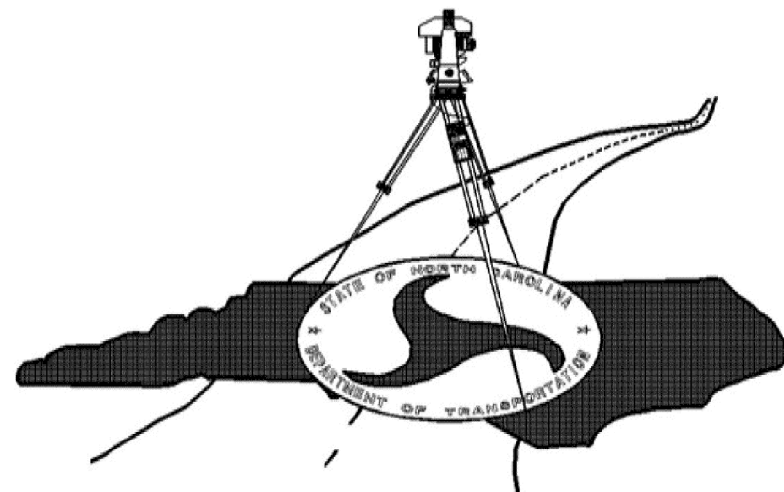
RIGHT OF WAY DATE: AUGUST 21, 2025
LETTING DATE: MAY 19, 2026

PROFESSIONAL LAND
SURVEYOR

Designed by:
Signature: [Signature]
FOR STATE OF NC USE
SIGNATURE:

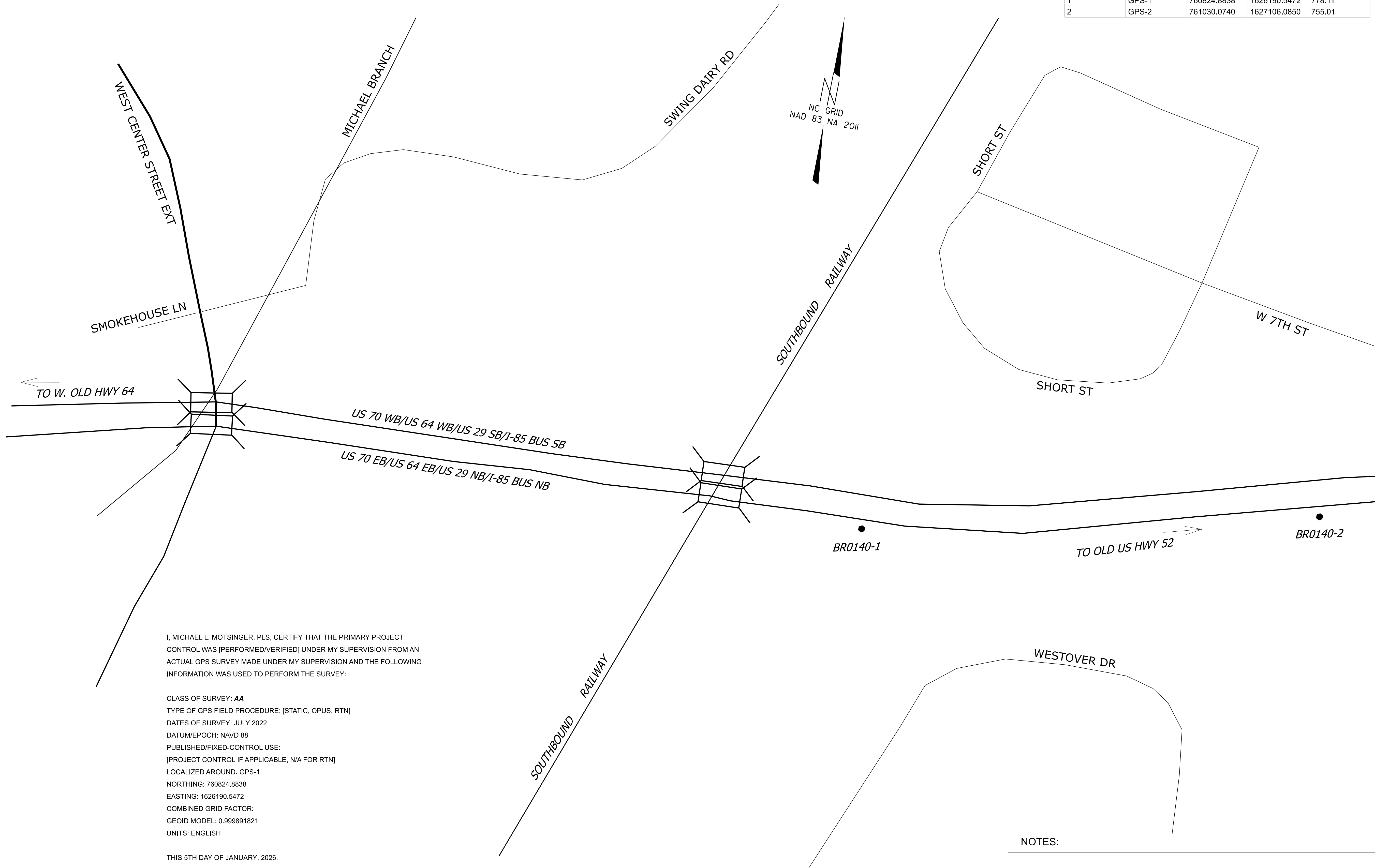
01/14/2026

DATE:



PRIMARY SURVEY CONTROL SHEET

PRIMARY CONTROL TABLE				
Benchmark	Description	Northing	Easting	Elevation
1	GPS-1	760824.8838	1626190.5472	778.11
2	GPS-2	761030.0740	1627106.0850	755.01



I, MICHAEL L. MOTSINGER, PLS, CERTIFY THAT THE PRIMARY PROJECT CONTROL WAS [PERFORMED/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: [STATIC, OPUS, RTN]
DATES OF SURVEY: JULY 2022
DATUM/EPOCH: NAVD 88
PUBLISHED/FIXED-CONTROL USE:
[PROJECT CONTROL IF APPLICABLE, N/A FOR RTN]
LOCALIZED AROUND: GPS-1
NORTHING: 760824.8838
EASTING: 1626190.5472
COMBINED GRID FACTOR:
GEOID MODEL: 0.999891821
UNITS: ENGLISH

THIS 5TH DAY OF JANUARY, 2026.

DocuSigned by:

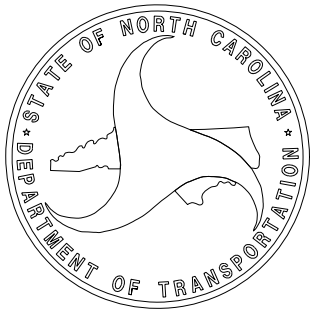
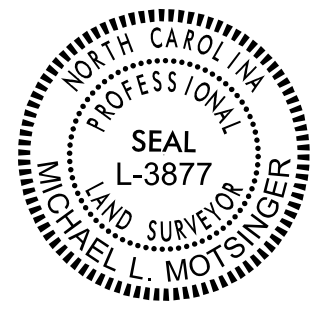
7C995E77623C40E
PROFESSIONAL LAND SURVEYOR L-3877

NOTES:

- 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.

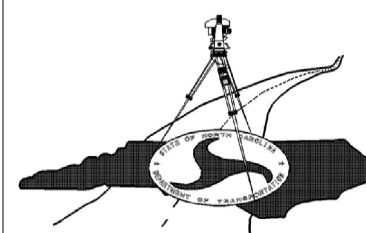
BR-0140

R/W 02C-1

NORTH CAROLINA
DEPARTMENT
OF TRANSPORTATIONPROFESSIONAL LAND
SURVEYORDOCUMENT NOT CONSIDERED
FINAL UNLESS ALL SIGNATURES
ARE COMPLETED2024 STANDARD
SPECIFICATIONS

TIP PROJECT: BR-0140
County: Davidson

PREPARED FOR

LOCATION AND
SURVEYS UNIT

PREPARED BY:
LOCATION AND SURVEYS
DIVISION 9
403 POLO RD
WINSTON-SALEM, NC 27105

SEE SHEET RW02C-4
FOR FURTHER ALIGNMENT
AND CONTROL DETAILS

SECONDARY SURVEY CONTROL SHEET

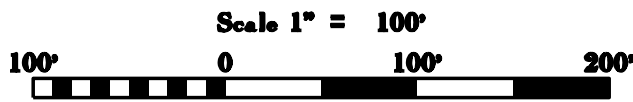
W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



I, MICHAEL L. MOTSINGER, PLS, CERTIFY THAT THE SECONDARY BASELINE CONTROL FOR THIS PROJECT WAS COMPLETED UNDER MY DIRECT AND RESPONSIBLE CHARGE FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION UTILIZING PRIMARY GPS CONTROL SET BY OTHERS; THAT ALL HORIZONTAL CLOSURES HAD A MINIMUM RATIO OF PRECISION OF 1:20,000 (CLASS AA) AND VERTICAL ACCURACY TO 1:10,000 (CLASS A). FIELD WORK WAS PERFORMED FROM APRIL 2022 TO JULY 2022. AND ALL COORDINATES ARE BASED ON NAD 83/NA 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 JANUARY, 2026.

DocuSigned by:
Michael L. Motsinger
F0B6FE71E23CA0E
PROFESSIONAL LAND SURVEYOR L-3877



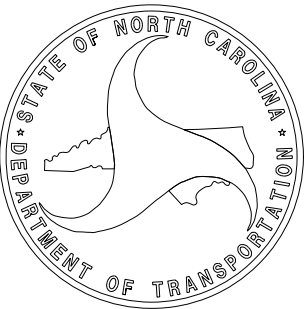
NOTES:

1. 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-0140

R/W 02C-2

NORTH CAROLINA
DEPARTMENT
OF TRANSPORTATION



PROFESSIONAL LAND
SURVEYOR

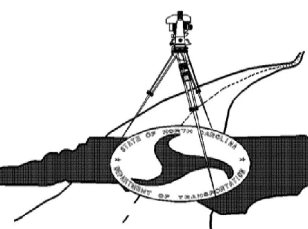


DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL SIGNATURES
ARE COMPLETED

2024 STANDARD
SPECIFICATIONS

TIP PROJECT: BR-0140
County: Davidson

PREPARED FOR



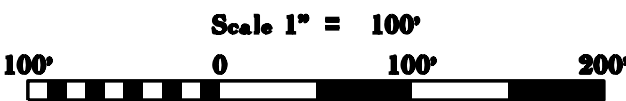
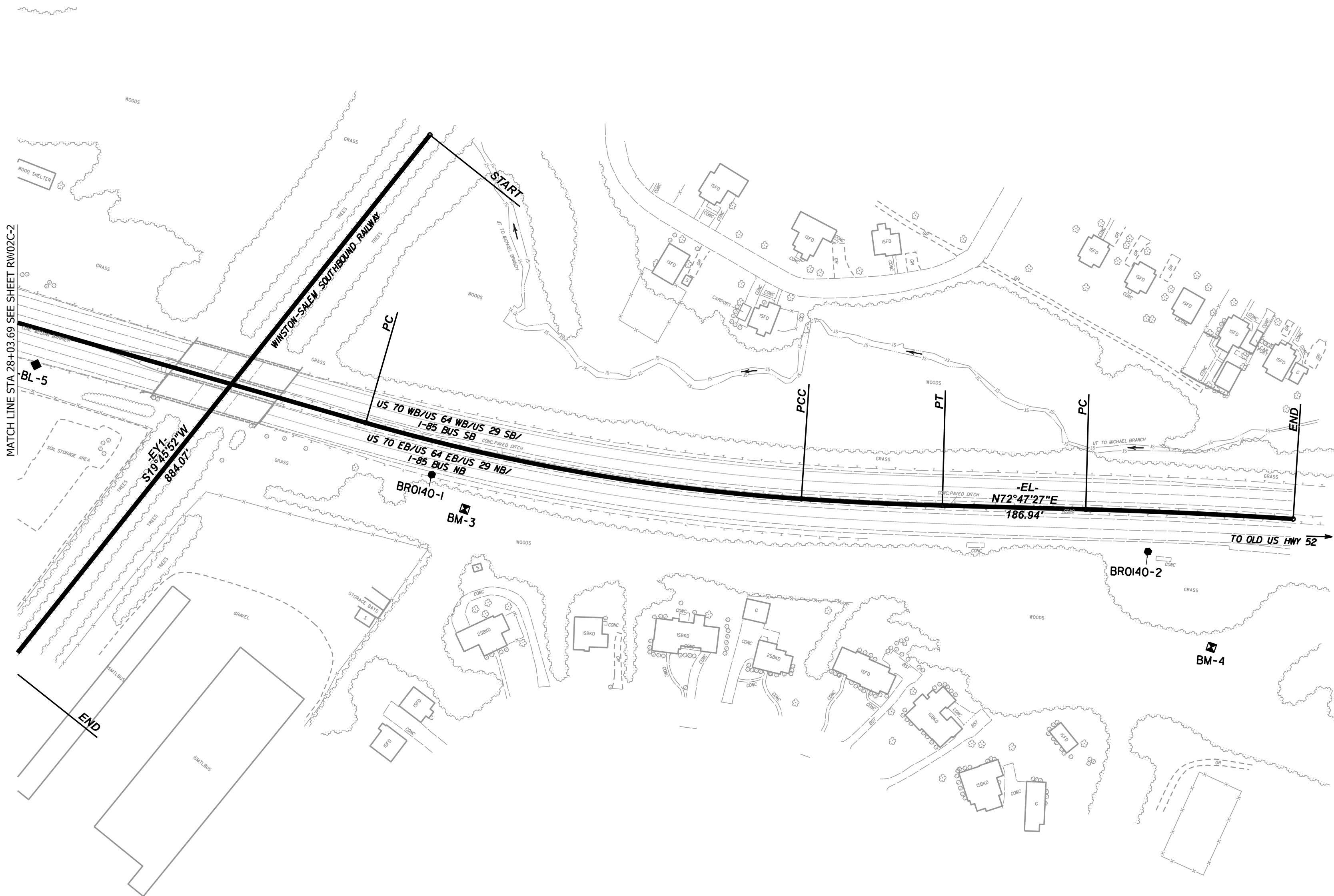
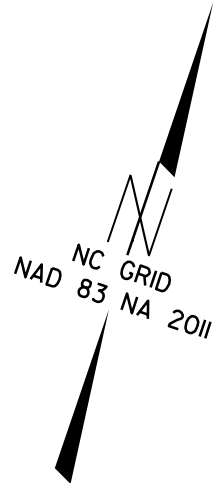
LOCATION AND
SURVEYS UNIT

PREPARED BY:
LOCATION AND SURVEYS
DIVISION 9
403 POLO RD
WINSTON-SALEM, NC 27105

SEE SHEET RW02C-4
FOR FURTHER ALIGNMENT
AND CONTROL DETAILS

SECONDARY SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



I, MICHAEL L. MOTSINGER, PLS, CERTIFY THAT THE SECONDARY BASELINE CONTROL FOR THIS PROJECT WAS COMPLETED UNDER MY DIRECT AND RESPONSIBLE CHARGE FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION UTILIZING PRIMARY GPS CONTROL SET BY OTHERS; THAT ALL HORIZONTAL CLOSURES HAD A MINIMUM RATIO OF PRECISION OF 1:20,000 (CLASS AA) AND VERTICAL ACCURACY TO 1:10,000 (CLASS A). FIELD WORK WAS PERFORMED FROM APRIL 2022 TO JULY 2022, AND ALL COORDINATES ARE BASED ON NAD 83/NA 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 JANUARY, 2026.

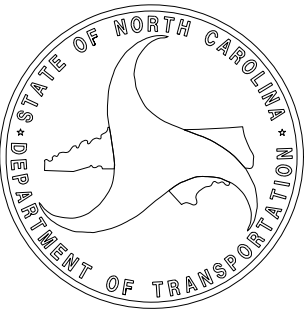
DocuSigned by:
Michael L. Motsinger
F0B8F670E23C40E

PROFESSIONAL LAND SURVEYOR L-3877

BR-0140

R/W 02C-3

NORTH CAROLINA
DEPARTMENT
OF TRANSPORTATION



PROFESSIONAL LAND
SURVEYOR

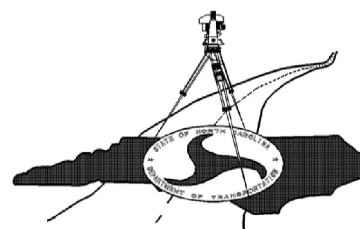


DOCUMENT NOT CONSIDERED
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ARE COMPLETED

2024 STANDARD
SPECIFICATIONS

TIP PROJECT: BR-0140
County: Davidson

PREPARED FOR



LOCATION AND
SURVEYS UNIT

PREPARED BY:
LOCATION AND SURVEYS
DIVISION 9
403 POLO RD.
WINSTON-SALEM, NC 27105

NOTES:

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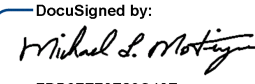
SECONDARY SURVEY CONTROL SHEET
W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

Baseline Points Table				
Benchmark	Description	Northing	Easting	Elevation
3	BL-3	760572.6970	1624257.8580	732.18
4	BL-4	760727.4890	1624786.9560	744.49
5	BL-5	760794.8070	1625656.3820	778.14
6	BL-6	761186.7820	1627803.9460	764.35
7	BY-7	761187.9070	1624732.1950	722.26
8	BY-8	760974.8610	1624849.3100	724.01
9	BY-9	760367.5820	1624791.4150	749.43
10	BY2-10	760848.2930	1624408.8330	741.82
11	BY2-11	761177.3330	1624975.9980	721.11

Benchmark Points Table				
Benchmark	Description	Northing	Easting	Elevation
BM1	RR SPIKE SET IN 37" MAPLE	760619	1624575	719.21
BM2	RR SPIKE SET IN 36" OAK	760987	1625510	758.82
BM3	RR SPIKE SET IN 15" MAPLE	760796	1626246	762.83
BM4	RR SPIKE SET IN 23" PINE	760939	1627224	764.03

I, MICHAEL L. MOTSINGER, PLS, CERTIFY THAT THE SECONDARY BASELINE CONTROL FOR THIS PROJECT WAS COMPLETED UNDER MY DIRECT AND RESPONSIBLE CHARGE FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION UTILIZING PRIMARY GPS CONTROL SET BY OTHERS; THAT ALL HORIZONTAL CLOSURES HAD A MINIMUM RATIO OF PRECISION OF 1:20,000 (CLASS AA) AND VERTICAL ACCURACY TO 1:10,000 (CLASS A). FIELD WORK WAS PERFORMED FROM APRIL 2022 TO JULY 2022, AND ALL COORDINATES ARE BASED ON NAD 83/NA 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 JANUARY, 2026.

DocuSigned by:

MICHAEL L. MOTSINGER
PROFESSIONAL LAND SURVEYOR L-3877

EXISTING ALIGNMENT NAME:EL									
POINT	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R
START	759770.3780	1623311.8000							
LINE			N37°50'32.90"E	148.6887					
SC	760253.7927	1623713.0480							
CURVE					34°52'55.8" Right	03°01'53.5"	1150.65	593.78	1890
ST	760818.9436	1625196.2560							
LINE			N87°16'33.37"E	892.2168					
PC	760861.3470	1626087.4640							
CURVE					12°14'41.2" Left	02°07'19.4"	577.02	289.61	2700
PCC	760949.9167	1626656.5370							
CURVE					02°14'25.1" Left	01°13'08.6"	183.77	91.9	4700
PT	761000.8423	1626833.1010							
LINE			N72°47'27.11"E	186.9413					
PC	761056.1509	1627011.6730							
CURVE					02°12'46.4" Right	00°49'06.6"	270.36	135.19	7000
END	761131.1320	1627271.4054							

EXISTING ALIGNMENT NAME:EY									
POINT	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R
START	761317.8871	1624627.8693							
LINE			S30°33'53.17"E	308.3502					
PC	761052.3807	1624784.6691							
CURVE					25°42'00.8" Right	10°00'00.0"	257	130.7	572.96
PCC	760809.6118	1624862.2150							
CURVE					26°55'41.0" Right	15°00'00.0"	179.52	91.45	381.97
PT	760633.7387	1624835.6183							
LINE			S22°03'48.68"W	86.5884					
PC	760553.4914	1624803.0927							
CURVE					10°23'06.6" Left	02°15'00.0"	461.56	231.42	2546.48
END	760112.3981	1624669.3227							

EXISTING ALIGNMENT NAME:EY1									
POINT	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R
START	761243.3432	1626045.9478							
LINE			S19°45'52.29"W	884.0729					
END	760411.3508	1625746.9939							

EXISTING ALIGNMENT NAME:EY2									
POINT	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R
START	760648.4705	1624294.5075							
LINE			N34°50'02.87"E	176.2334					
PC	760793.1245	1624395.1725							
CURVE					25°58'45.2" Right	81°51'04.0"	31.74	16.15	70.00
PT	760814.2525	1624418.4935							
LINE			N60°48'47.27"E	184.2880					
PC	760904.1223	1624579.3832							
CURVE					02°45'33.6" Right	04°00'00.0"	68.98	34.50	1432.39
PT	760936.2995	1624640.3945							
LINE			N63°34'20.55"E	233.1493					
PC	761040.0666	1624849.1791							
CURVE					44°20'45.5" Left	28°38'52.4"	154.80	81.51	200.00
PT	761153.3054	1624949.0109							
LINE			N19°13'36.10"E	181.2851					
END	761324.4789	1625008.7093							

EXISTING ALIGNMENT NAME:EY3									
POINT	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R
START	761021.8166	1624424.9887							
LINE			S87°34'46.02"E	98.5676					
PC	761017.6537	1624523.4683							
CURVE					48°25'50.2" Right	71°37'11.0"	67.62	35.98	80.00
PT	760988.2320	1624582.1303							
LINE			S39°08'55.80"E	74.3172					
END	760930.5984	1624629.0495							

EXISTING ALIGNMENT NAME:EY4									
POINT	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R
START	760688.1415	1624853.0585							
LINE			N86°20'48.40"E	450.0014					
END	760716.8145	1625302.1455							

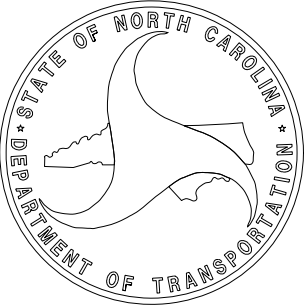
NOTES:

1. 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-0140

R/W 02C-4

NORTH CAROLINA
DEPARTMENT
OF TRANSPORTATION



PROFESSIONAL LAND
SURVEYOR

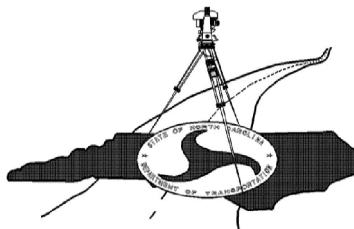


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2024 STANDARD
SPECIFICATIONS

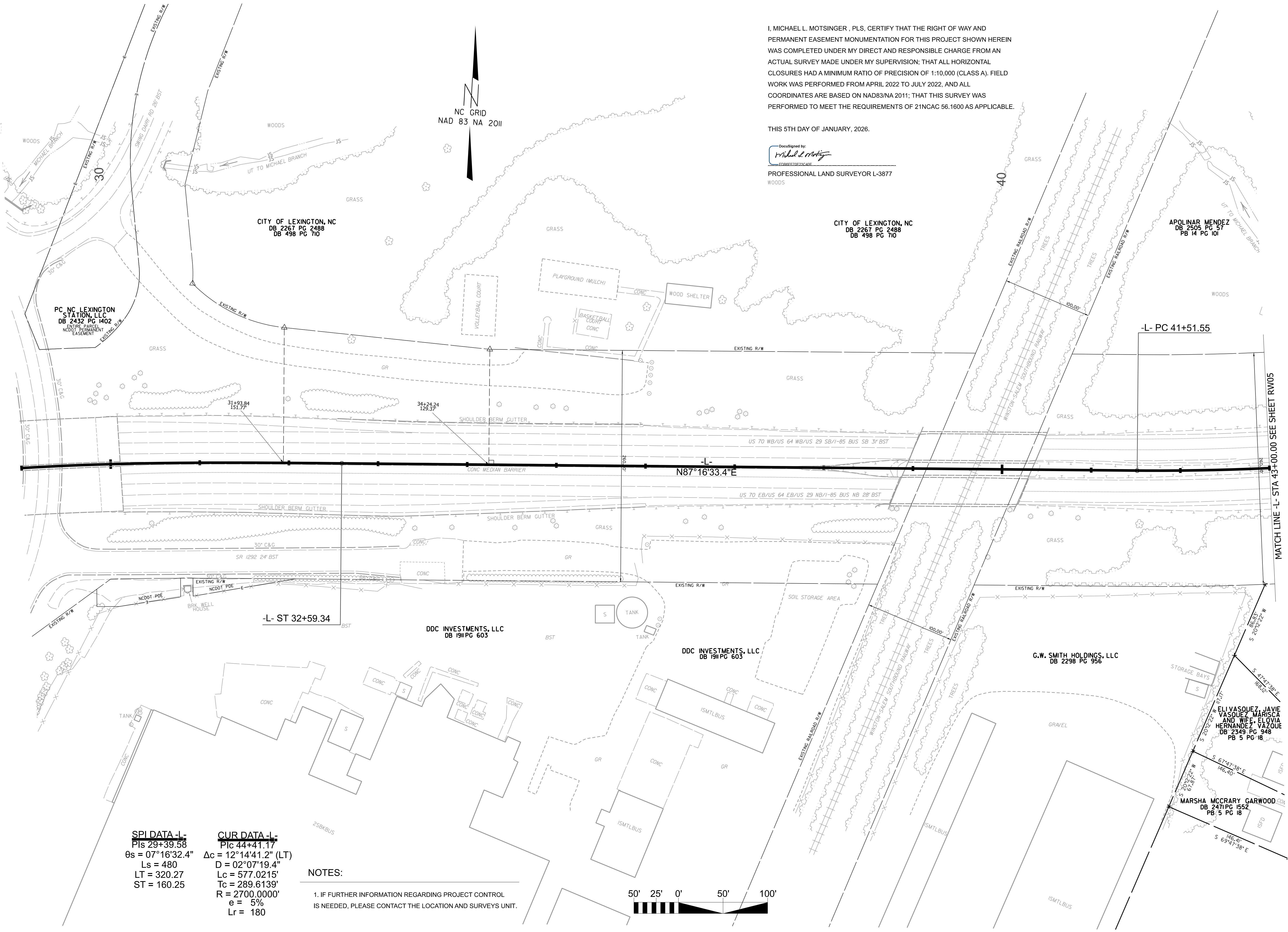
TIP PROJECT: BR-0140
County: Davidson

PREPARED FOR



LOCATION AND
SURVEYS UNIT

PREPARED BY:
LOCATION AND SURVEYS
DIVISION 9
403 POLO RD
WINSTON-SALEM, NC 27105



I, MICHAEL L. MOTSINGER, PLS, 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 APRIL 2022 TO JULY 2022, AND ALL COORDINATES ARE BASED ON NAD83/NA 2011; THAT THIS SURVEY WAS PERFORMED TO MEET THE REQUIREMENTS OF 21NCAC 56.1600 AS APPLICABLE.

THIS 5TH DAY OF JANUARY, 2026.

Designed by:
Michael L. Motsinger
FORBES/2020/2021
PROFESSIONAL LAND SURVEYOR L-3877
WOODS

BR-0140

R/W 04

NORTH CAROLINA
DEPARTMENT
OF TRANSPORTATION

PROFESSIONAL LAND
SURVEYOR

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2024 STANDARD
SPECIFICATIONS

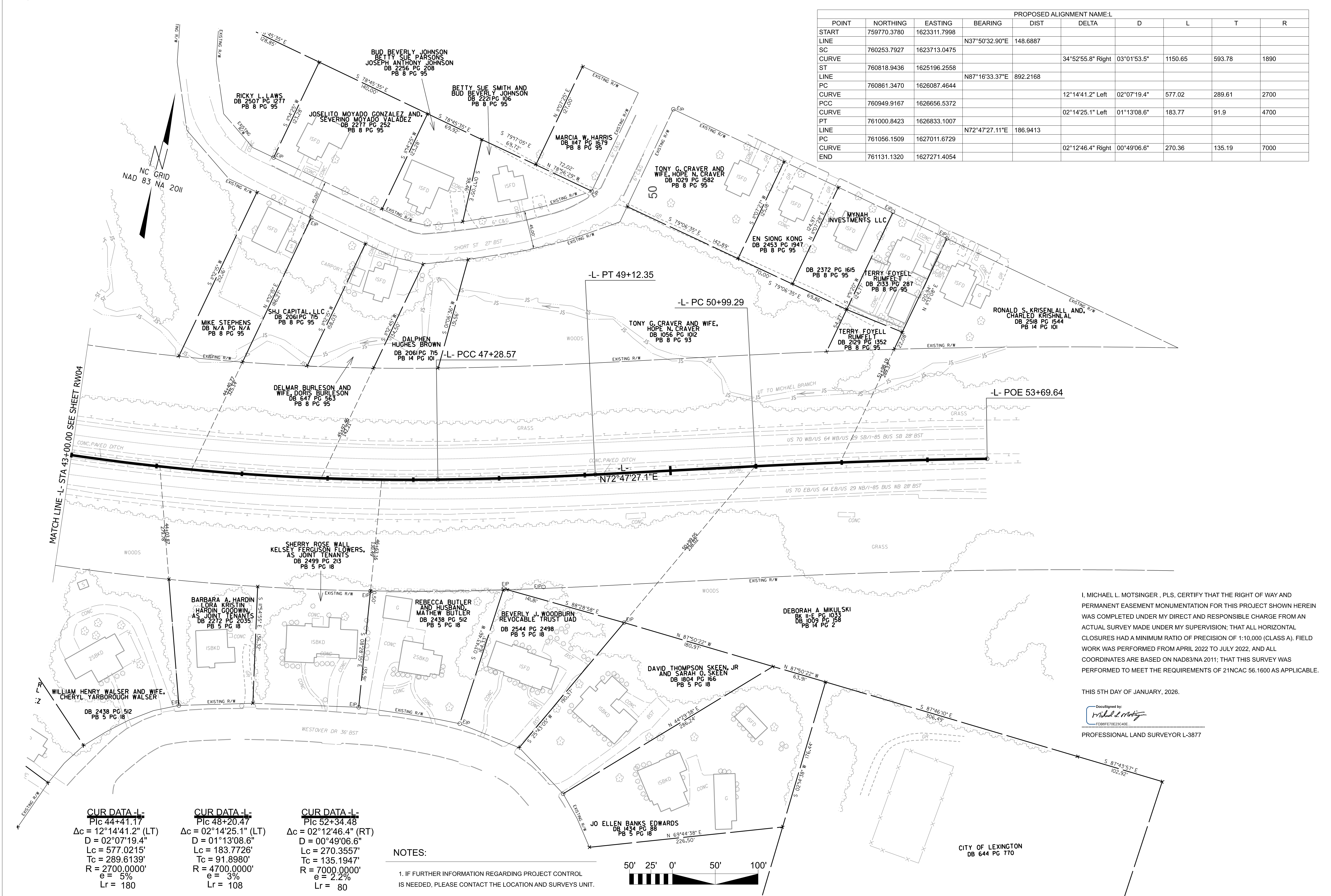
TIP PROJECT: BR-0140

County: Davidson

PREPARED FOR

LOCATION AND SURVEYS UNIT

PREPARED BY:
LOCATION AND SURVEYS
DIVISION 9
403 POLO RD
WINSTON-SALEM, NC 27105



PROPOSED ALIGNMENT NAME: L									
POINT	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R
START	759770.3780	1623311.7998							
LINE			N37°50'32.90"E	148.6887					
SC	760253.7927	1623713.0475							
CURVE					34°52'55.8" Right	03°01'53.5"	1150.65	593.78	1890
ST	760818.9436	1625196.2558							
LINE			N87°16'33.37"E	892.2168					
PC	760861.3470	1626087.4644							
CURVE					12°14'41.2" Left	02°07'19.4"	577.02	289.61	2700
PCC	760949.9167	1626656.5372							
CURVE					02°14'25.1" Left	01°13'08.6"	183.77	91.9	4700
PT	761000.8423	1626833.1007							
LINE			N72°47'27.11"E	186.9413					
PC	761056.1509	1627011.6729							
CURVE					02°12'46.4" Right	00°49'06.6"	270.36	135.19	7000
END	761131.1320	1627271.4054							

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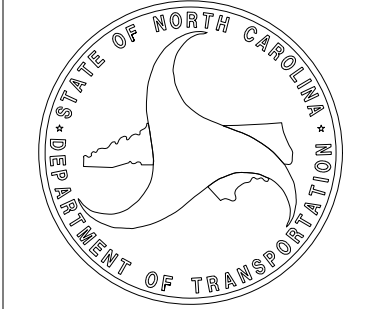
DocuSigned by:
Michael L. Motsinger
F0B6FE70E23C40E
PROFESSIONAL LAND SURVEYOR L-3877

LOCATION AND SURVEYS UNIT

PREPARED BY:
LOCATION AND SURVEYS
DIVISION 8
403 POLO RD
WINSTON-SALEM, NC 27105

BR-0140
R/W 05

NORTH CAROLINA
DEPARTMENT
OF TRANSPORTATION



PROFESSIONAL LAND
SURVEYOR

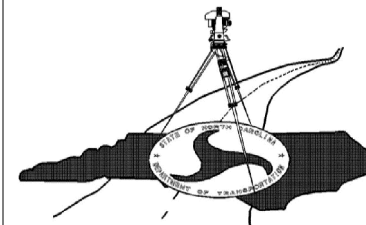


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ARE COMPLETED

2024 STANDARD
SPECIFICATIONS

TIP PROJECT: BR-0140
County: Davidson

PREPARED FOR



LOCATION AND SURVEYS UNIT

NOTES:

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



CUR DATA -L-
P/c 44+41.17
Δc = 12°14'41.2" (LT)
D = 02°07'19.4"
Lc = 577.0215'
Tc = 289.6139'
R = 2700.0000'
e = 5%
Lr = 180

CUR DATA -L-
P/c 48+20.47
Δc = 02°14'25.1" (LT)
D = 01°13'08.6"
Lc = 183.7726'
Tc = 91.8980'
R = 4700.0000'
e = 3%
Lr = 108

CUR DATA -L-
P/c 52+34.48
Δc = 02°12'46.4" (RT)
D = 00°49'06.6"
Lc = 270.3557'
Tc = 135.1947'
R = 7000.0000'
e = 2.2%
Lr = 80