

PRIMARY SURVEY CONTROL SHEET

I, BRIAN BARWATT, PLS, CERTIFY THAT THE PRIMARY PROJECT CONTROL WAS PERFORMED 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: VRS
DATES OF SURVEY: 03/10/2014
DATUM/EPOCH: NAD 83/ NA 2011
PUBLISHED/FIXED-CONTROL USE: N/A
LOCALIZED AROUND: GPS-103
NORTHING: 613216.3160
EASTING: 747762.8490
COMBINED GRID FACTOR: 0.999776716
GEOID MODEL: G12
UNITS: US SURVEY FEET

THIS 8TH DAY OF AUGUST, 2025.

DocuSigned by:
Brian Barwatt
AG35SF84BA4ACE
PROFESSIONAL LAND SURVEYOR L-4727

R-5600

R/W02C-1

NORTH CAROLINA
DEPARTMENT
OF TRANSPORTATION

PROFESSIONAL LAND
SURVEYOR

DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL SIGNATURES
ARE COMPLETED

2024 STANDARD
SPECIFICATIONS

TIP PROJECT: R-5600
County: Jackson

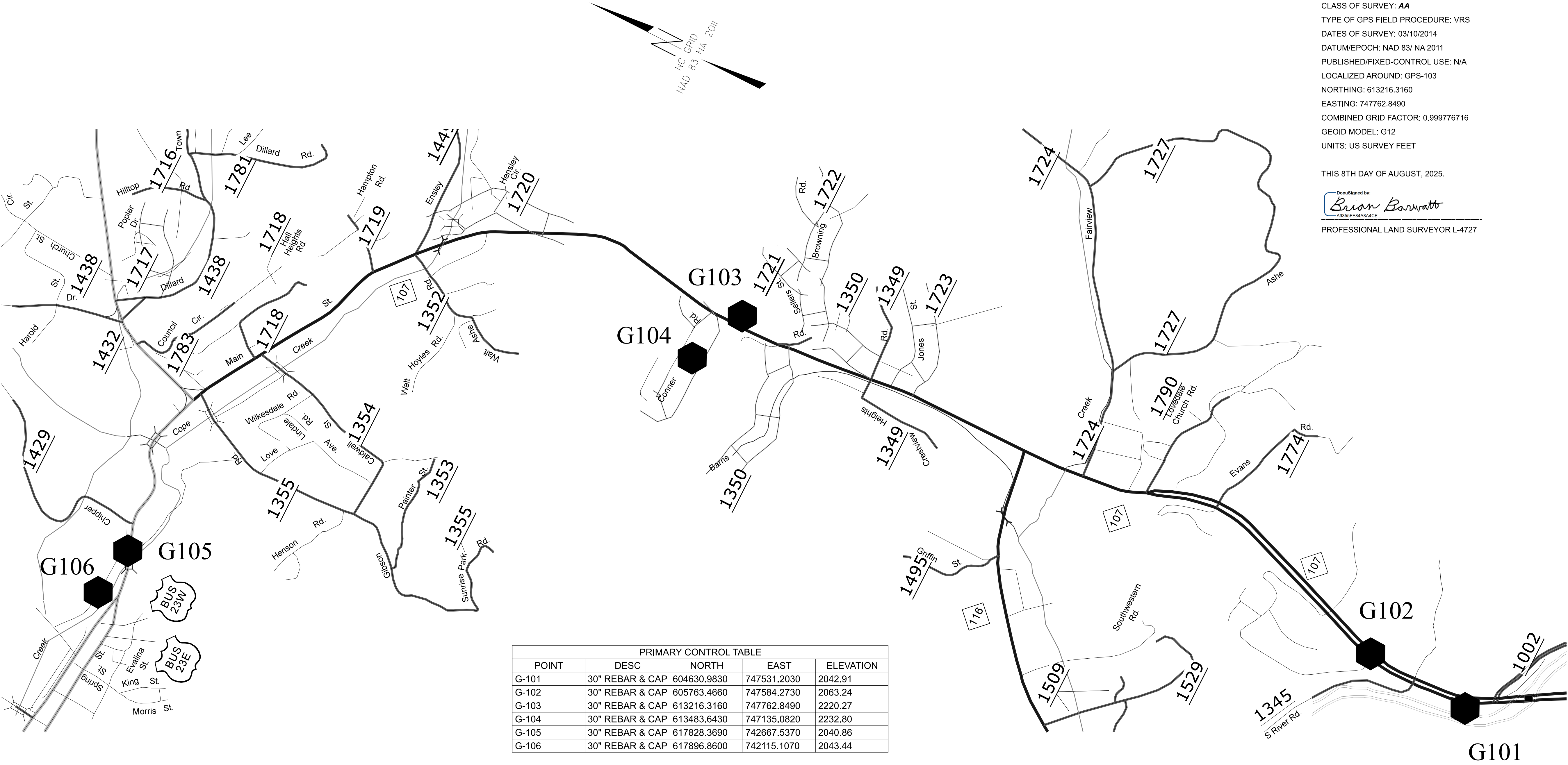
PREPARED FOR

LOCATION AND
SURVEYS UNIT

PREPARED BY:
LOCATION AND SURVEYS
DIVISION 14
122 BONNIE LANE
SYLVA, NC 28779

NOTES:

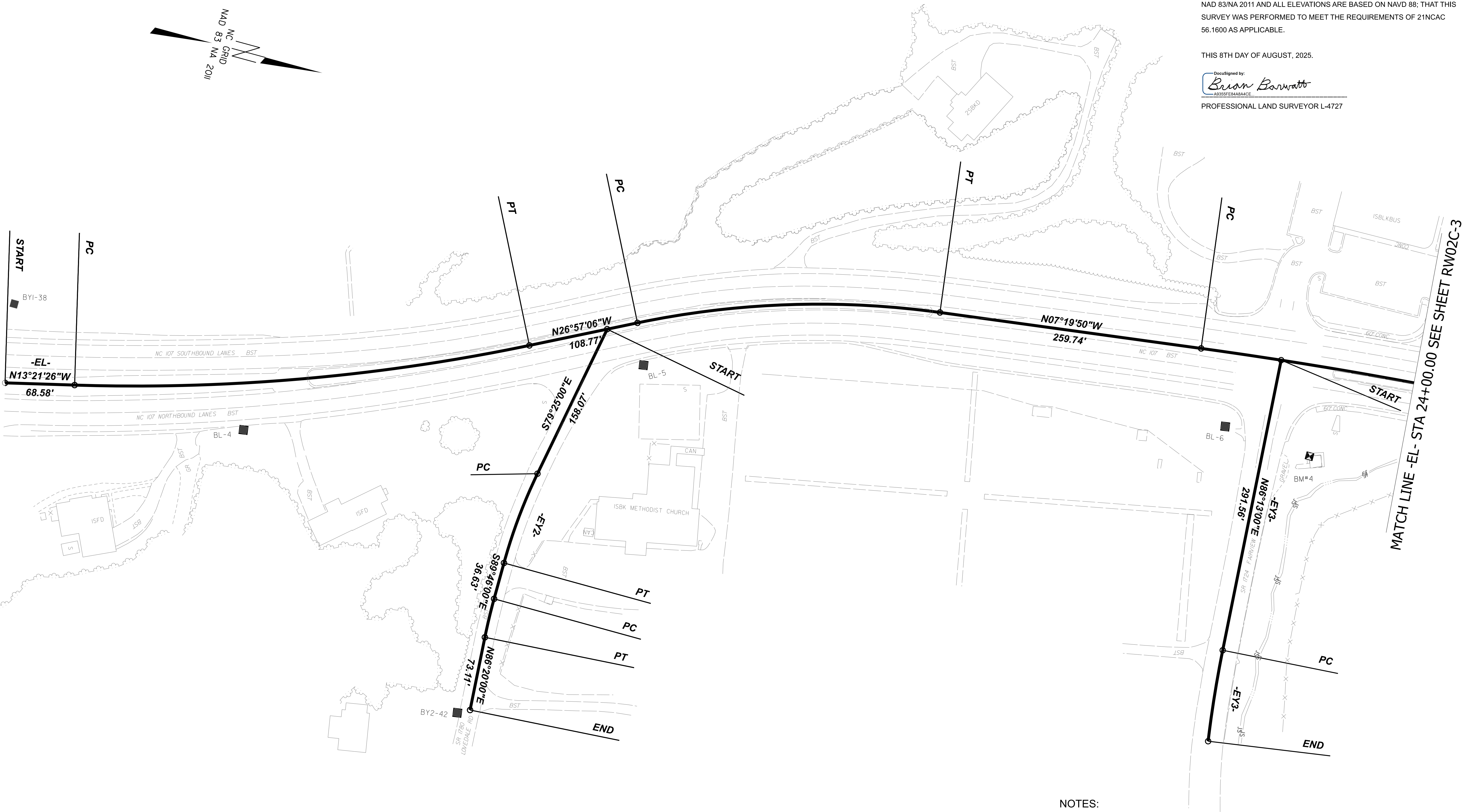
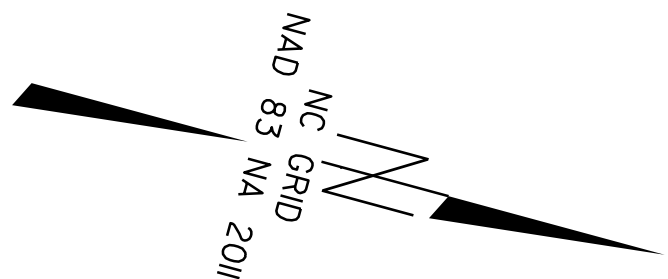
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SECONDARY SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

SEE SHEETS RW02C-18 - 22
FOR FURTHER ALIGNMENT
AND CONTROL DETAILS



I, BRIAN BARWATT, 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 IN OCTOBER OF 2016, 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 8TH DAY OF AUGUST, 2025.

Designed by:
Brian Barwatt
PROFESSIONAL LAND SURVEYOR L-4727

R-5600

R/W02C-2

NORTH CAROLINA
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OF TRANSPORTATION

PROFESSIONAL LAND
SURVEYOR

NOTARIZED

PROFESSIONAL
SEAL
L-4727

BRIAN A. BARWATT

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122 RONNIE LANE
SYLVA, NC 28779

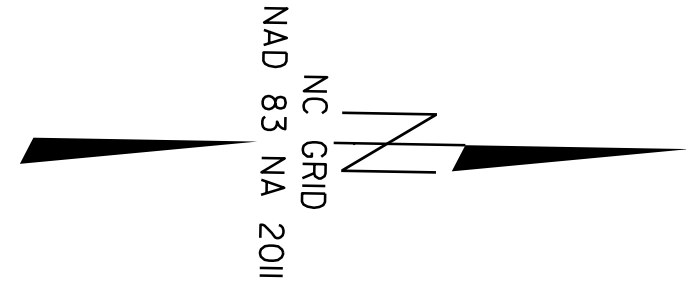
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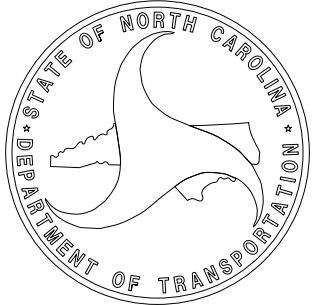
DocuSigned by:
Brian Barwatt
4336F758ABACE

PROFESSIONAL LAND SURVEYOR L-4727

R-5600

R/W 02C-3

NORTH CAROLINA
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PROFESSIONAL LAND
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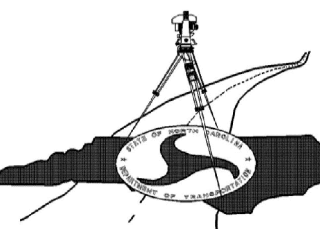


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122 BONNIE LANE
SYLVA, NC 28779

MATCH LINE -EL- STA 24+00.00 SEE SHEET RW02C-2

MATCH LINE -EL- STA 38+00.00 SEE SHEET RW02C-4



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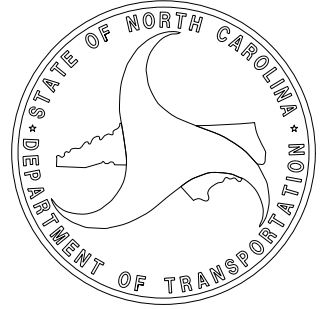
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PROFESSIONAL LAND SURVEYOR L-4727

R-5600

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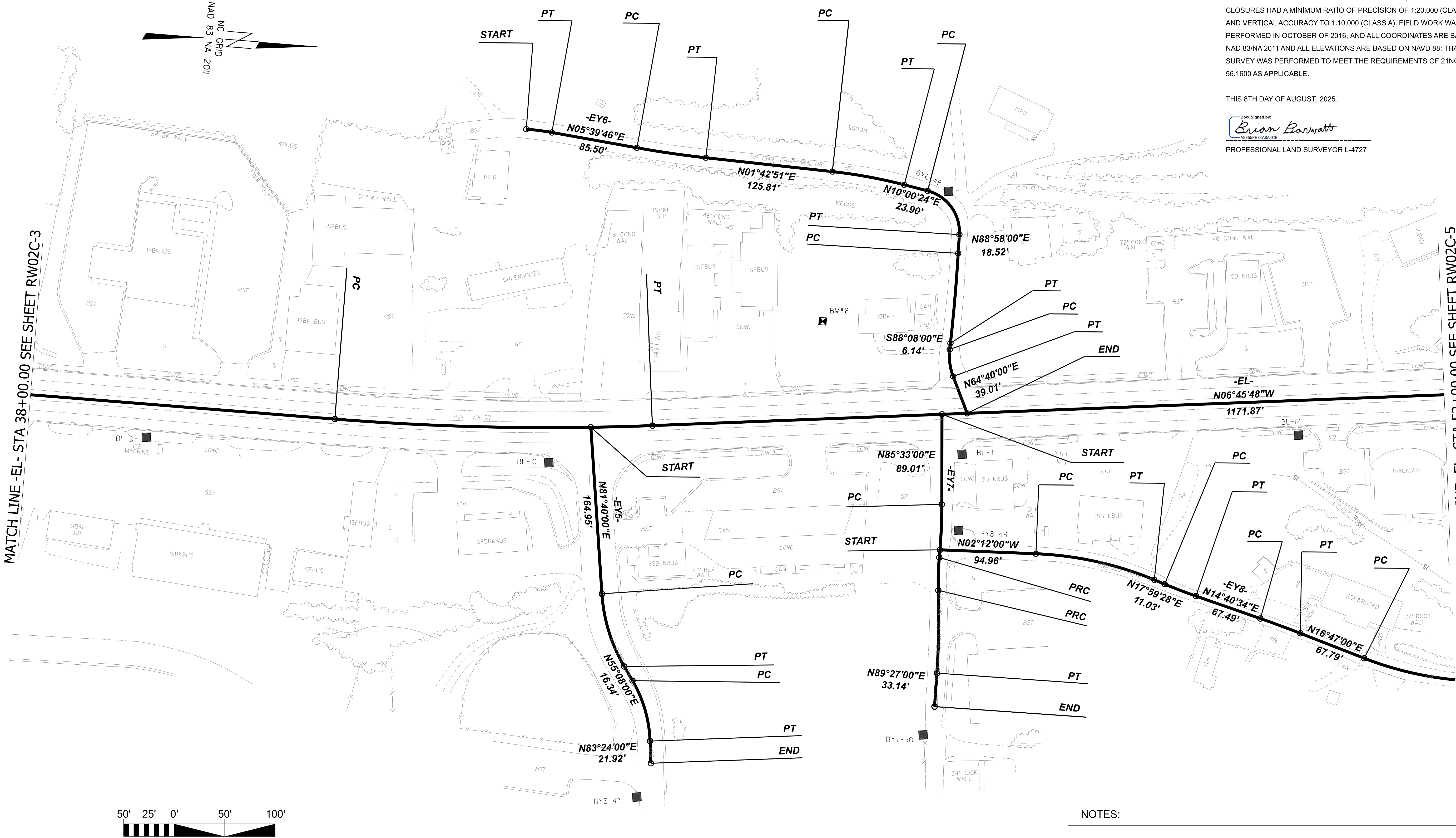


PROFESSIONAL LAND
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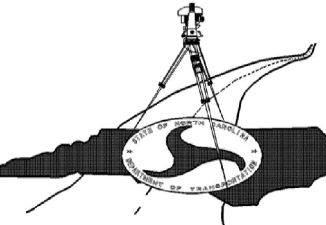


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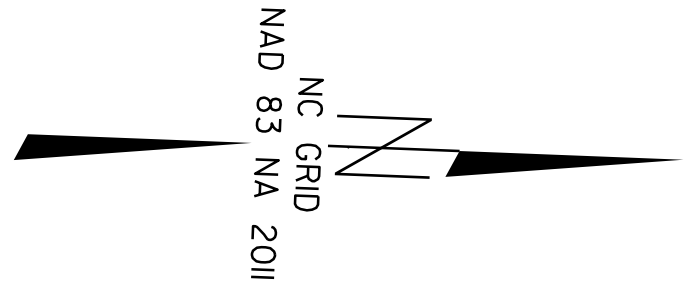
PREPARED FOR



LOCATION AND
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LOCATION AND SURVEYS
DIVISION 14
122 BONNIE LANE
SYLVA, NC 28779

SEE SHEETS RW02C-18 - 22
FOR FURTHER ALIGNMENT
AND CONTROL DETAILS



SECONDARY SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

MATCH LINE -EL- STA 52+00.00 SEE SHEET RW02C-4

MATCH LINE -EL- STA 66+00.00 SEE SHEET RW02C-6



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DocuSigned by:
Brian Barwatt
AB355FE8A8A4ACE

PROFESSIONAL LAND SURVEYOR L-4727

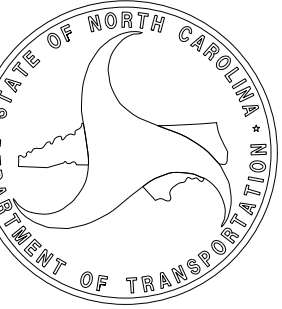
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R-5600

R/W 02C-5

NORTH CAROLINA
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PROFESSIONAL LAND
SURVEYOR

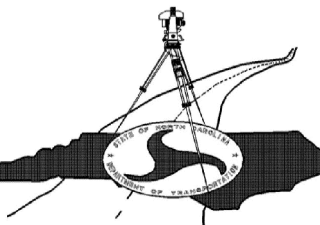


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LOCATION AND
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LOCATION AND SURVEYS
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122 BONNIE LANE
SYLVA, NC 28779

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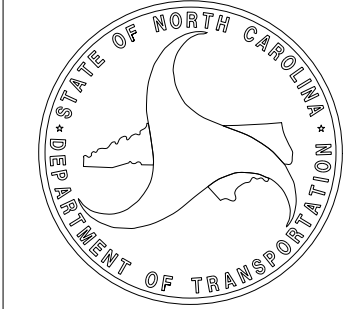
THIS 8TH DAY OF AUGUST, 2025.

DocuSigned by:
Brian Barwatt
AB325F84B4ACCE
PROFESSIONAL LAND SURVEYOR L-4727

R-5600

R/W02C-6

NORTH CAROLINA
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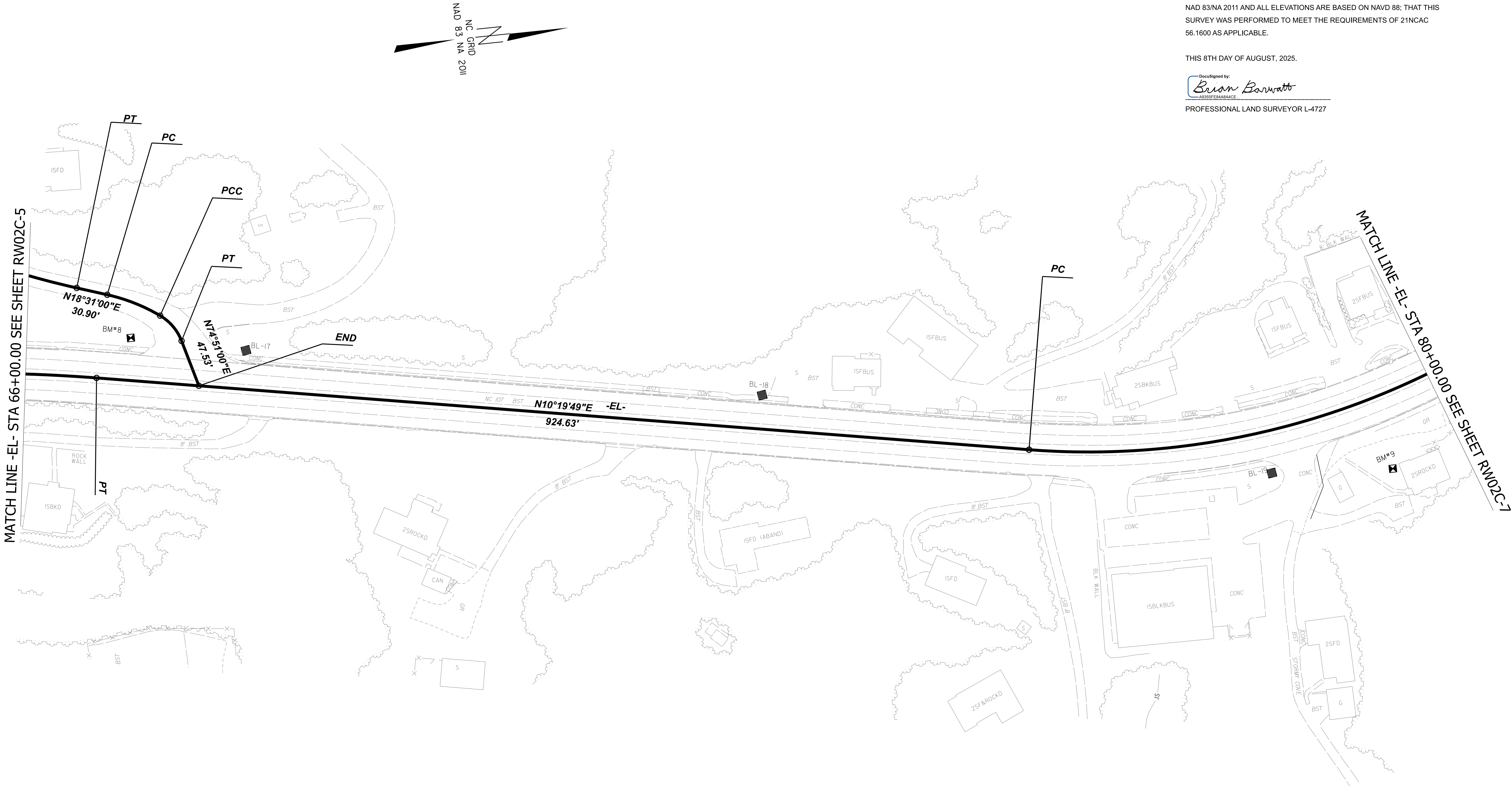


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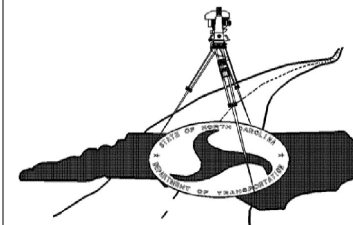


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DocuSigned by:
Brian Barwatt
A0385FEB4BAA4ACE
PROFESSIONAL LAND SURVEYOR L-4727

R-5600

R/W02C-7

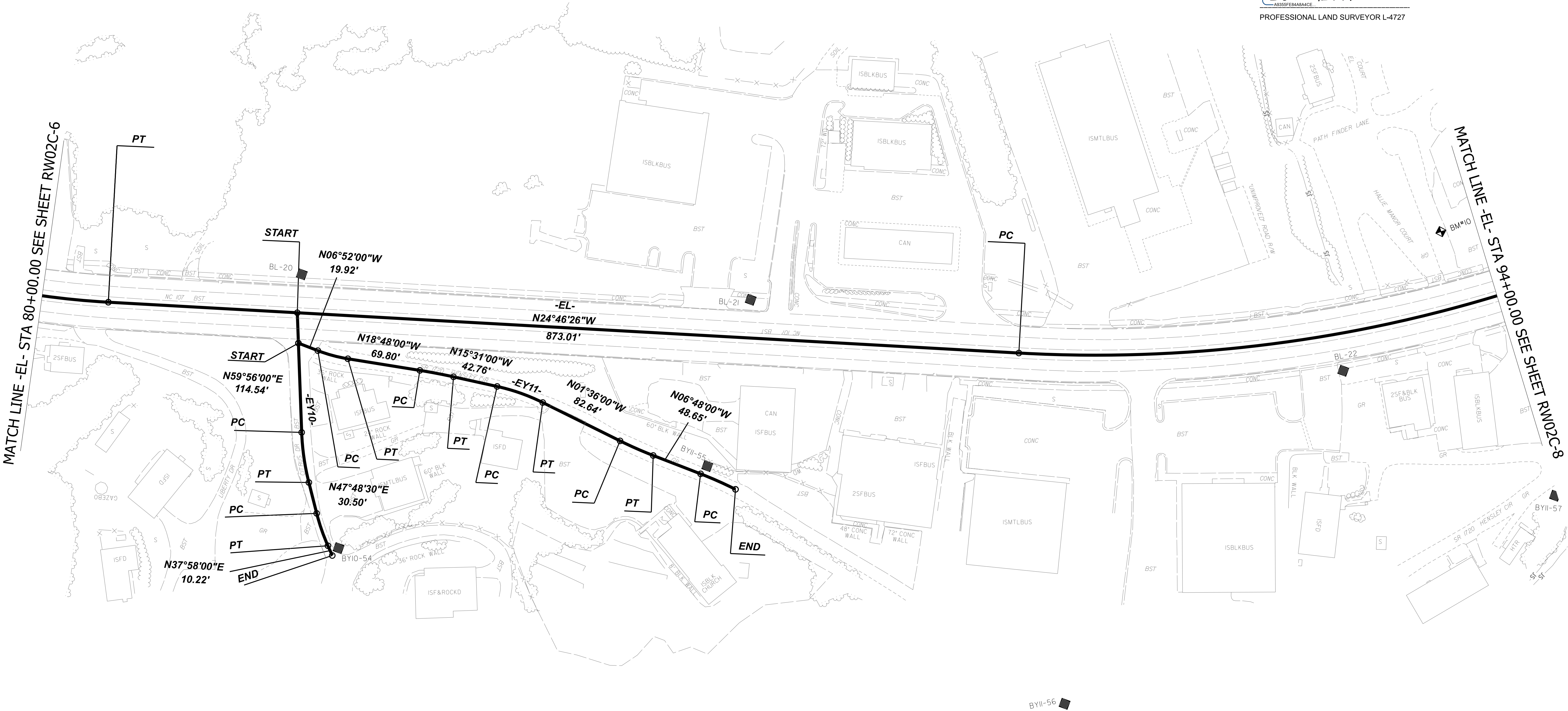
NORTH CAROLINA
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PROFESSIONAL LAND
SURVEYOR

SEAL
L-4727
BRIAN A. BARWATT

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County: Jackson

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122 BONNIE LANE
SYLVA, NC 28779

SECONDARY SURVEY CONTROL SHEET

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Brian Barwatt
49355F6E4A9AACE

PROFESSIONAL LAND SURVEYOR L-4727

MATCH LINE -EL- STA 108+00.00 SEE SHEET RW02C-8

MATCH LINE -EL- STA 122+00.00 SEE SHEET RW02C-10



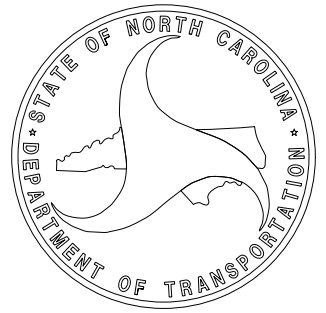
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R-5600

R/W 02C-9

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PROFESSIONAL LAND
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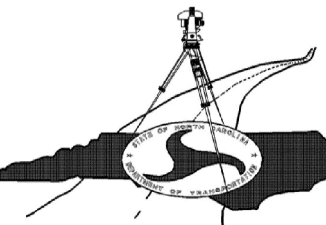


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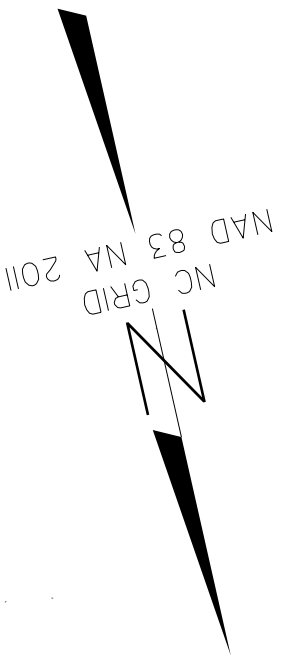
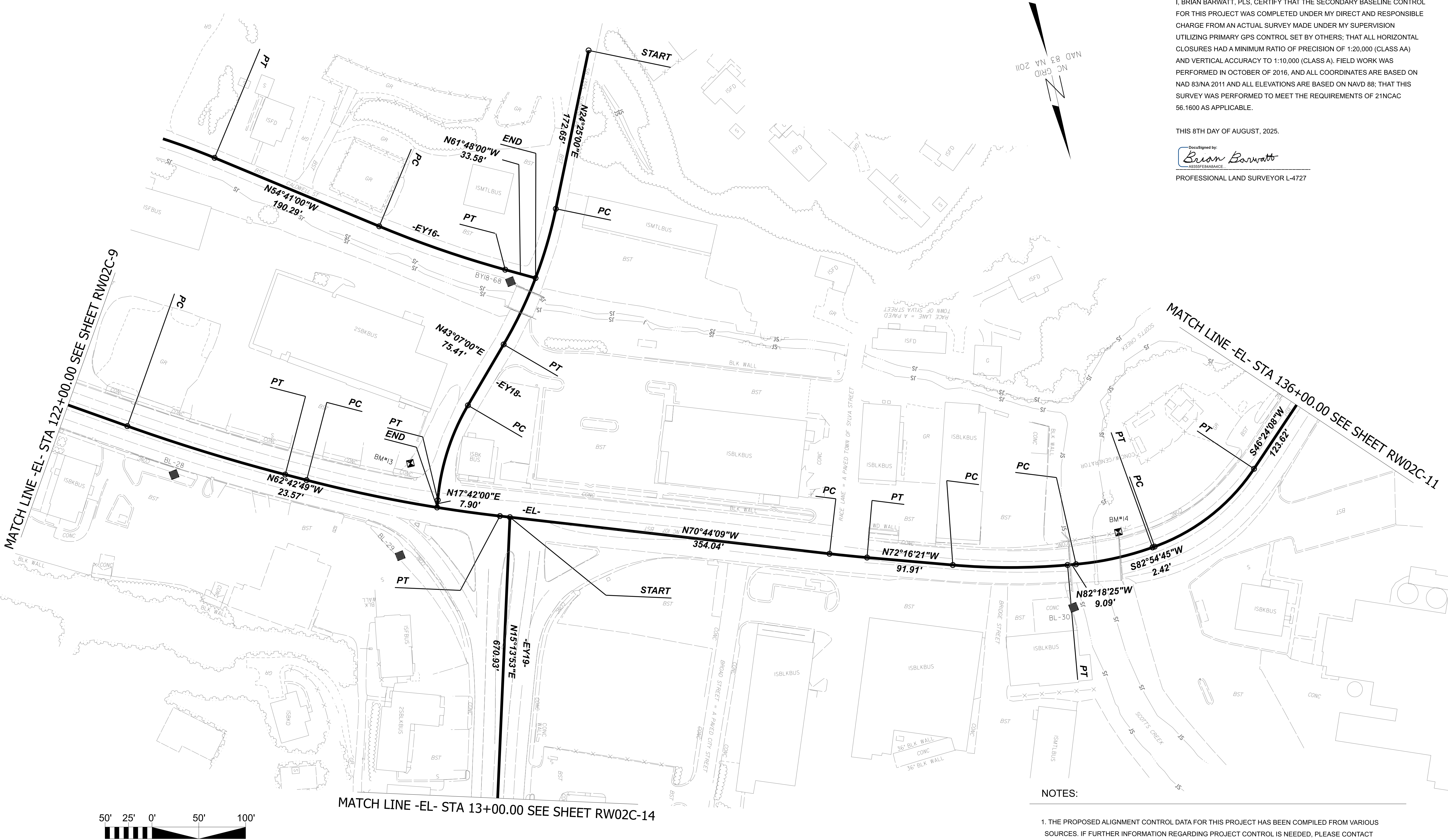


LOCATION AND
SURVEYS UNIT

PREPARED BY:
LOCATION AND SURVEY
DIVISION 14
122 BONNIE LANE
SYLVA, NC 28779

SEE SHEETS RW02C-18 - 22
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SECONDARY SURVEY CONTROL SHEET
W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



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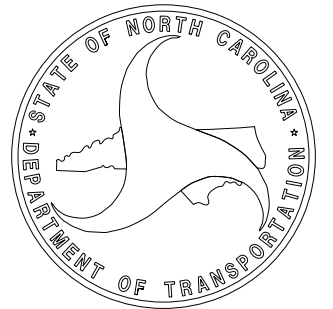
DocuSigned by:
Brian Barwatt
18306F7548A4CE

PROFESSIONAL LAND SURVEYOR L-4727

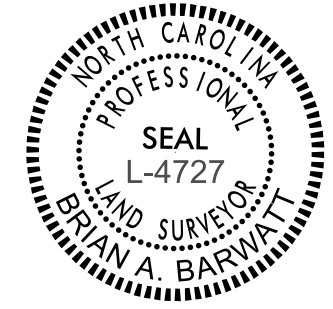
R-5600

R/W 02C-10

NORTH CAROLINA
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PROFESSIONAL LAND
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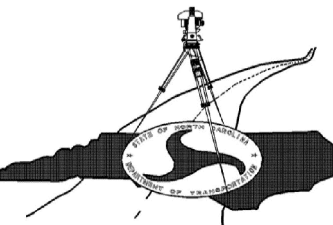


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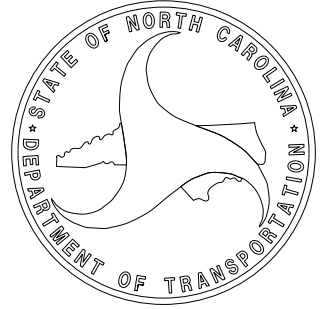
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Brian Barwatt
4835F23A9A9ACE

PROFESSIONAL LAND SURVEYOR L-4727

R-5600

R/W02C-11

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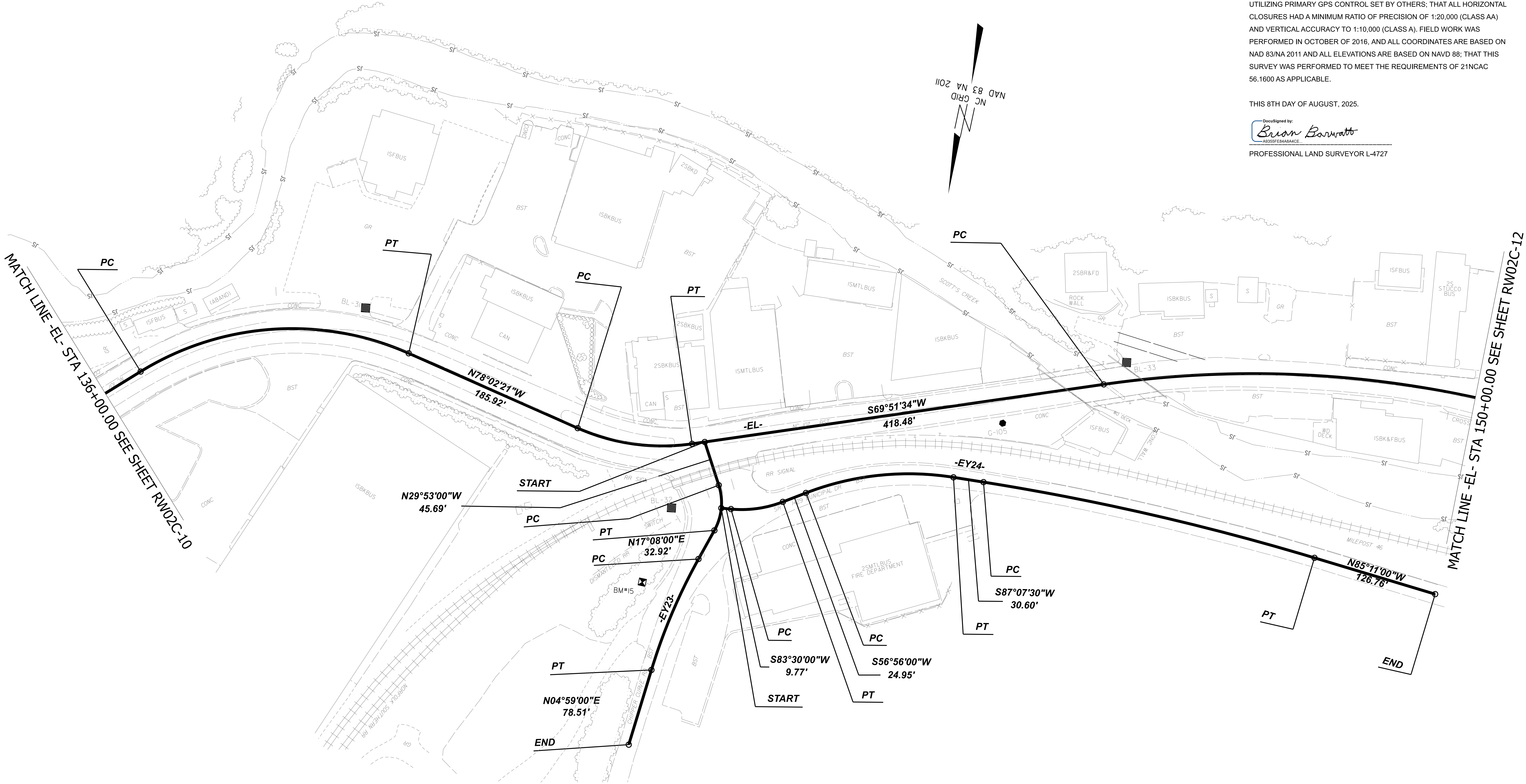


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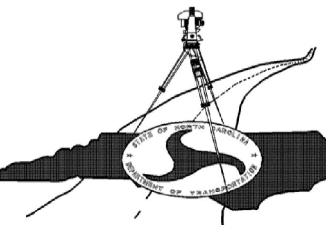


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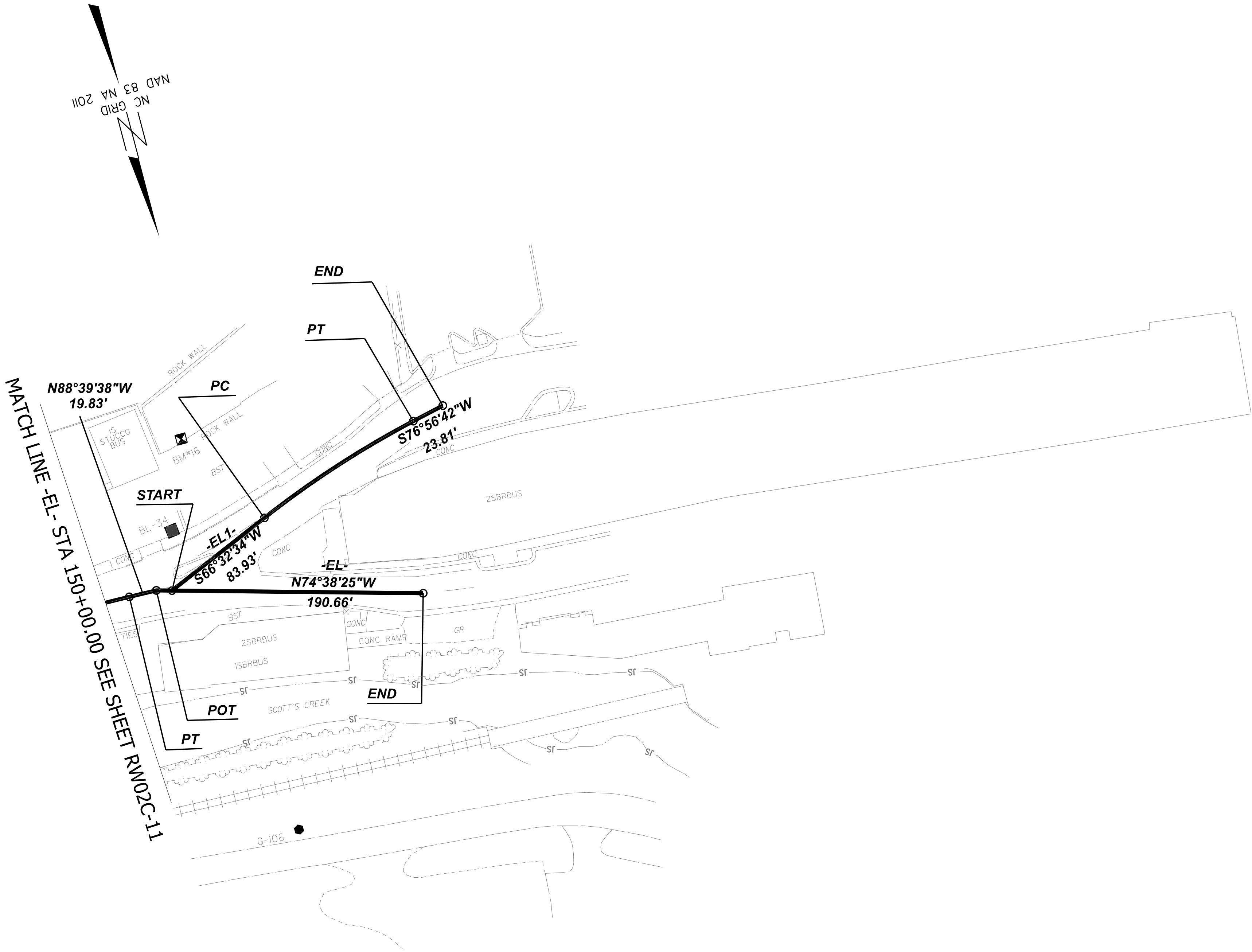
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4530F7254884CE

PROFESSIONAL LAND SURVEYOR L-4727

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R/W02C-12

NORTH CAROLINA
DEPARTMENT
OF TRANSPORTATION

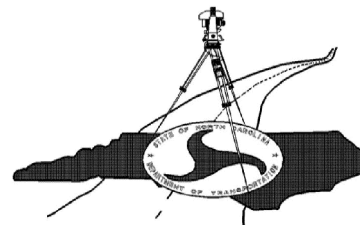
PROFESSIONAL LAND
SURVEYOR

DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL SIGNATURES
ARE COMPLETED

2024 STANDARD
SPECIFICATIONS

TIP PROJECT: R-5600
County: Jackson

PREPARED FOR



LOCATION AND
SURVEYS UNIT

PREPARED BY:
LOCATION AND SURVEYS
DIVISION 14
122 BONNIE LANE
SYLVA, NC 28779

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.

SEE SHEETS RW02C-18 - 22
FOR FURTHER ALIGNMENT
AND CONTROL DETAILS

SECONDARY SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

I, BRIAN BARWATT, 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 IN OCTOBER OF 2016, 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 8TH DAY OF AUGUST, 2025.

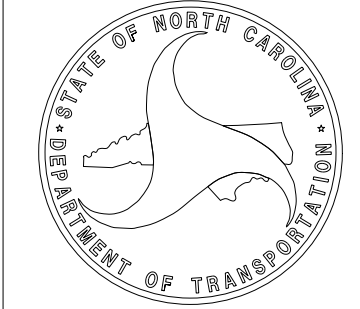
DocuSigned by:
Brian Barwatt
4805F524A54ACE

PROFESSIONAL LAND SURVEYOR L-4727

R-5600

R/W02C-13

NORTH CAROLINA
DEPARTMENT
OF TRANSPORTATION

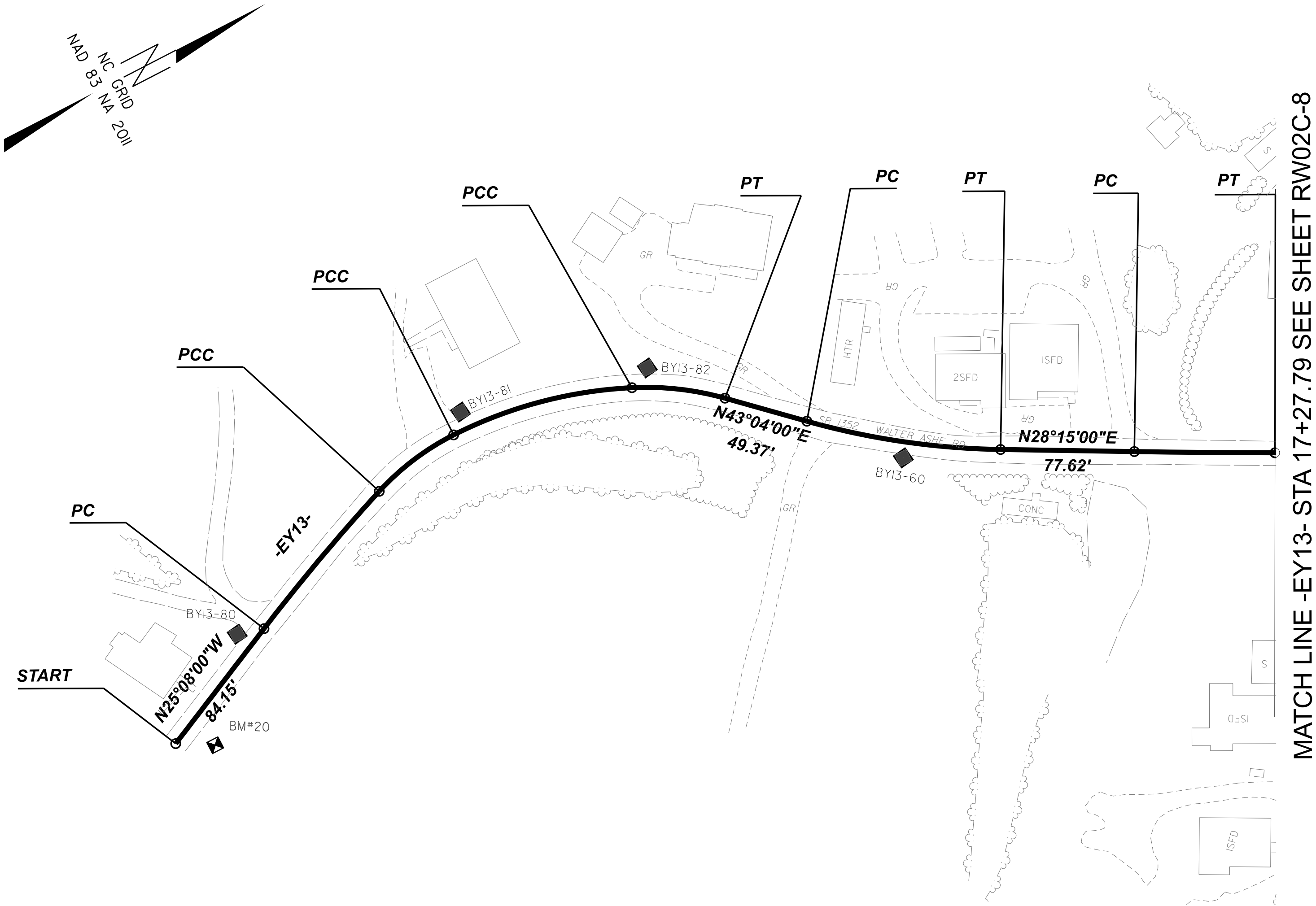


PROFESSIONAL LAND
SURVEYOR



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2024 STANDARD
SPECIFICATIONS

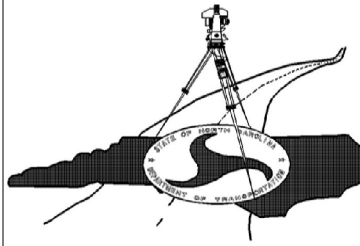


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TIP PROJECT: R-5600
County: Jackson

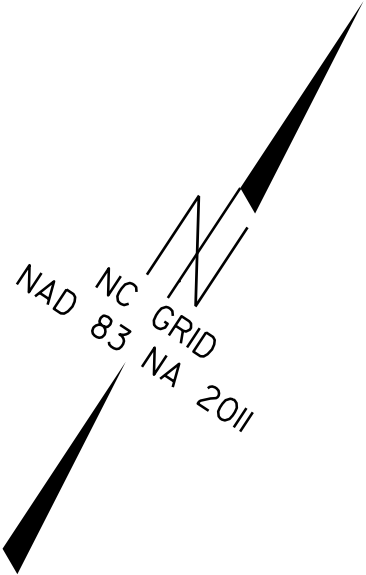
PREPARED FOR



LOCATION AND
SURVEYS UNIT

PREPARED BY:
LOCATION AND SURVEYS
DIVISION 14
122 BONNIE LANE
SYLVIA, NC 28779

SEE SHEETS RW02C-18 - 22
FOR FURTHER ALIGNMENT
AND CONTROL DETAILS



SECONDARY SURVEY CONTROL SHEET

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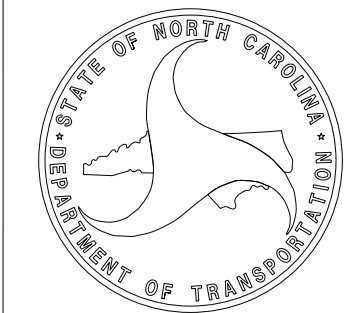
DocuSigned by:
Brian Barwatt
4530F52548A4CE

PROFESSIONAL LAND SURVEYOR L-4727

R-5600

R/W 02C-15

NORTH CAROLINA
DEPARTMENT
OF TRANSPORTATION



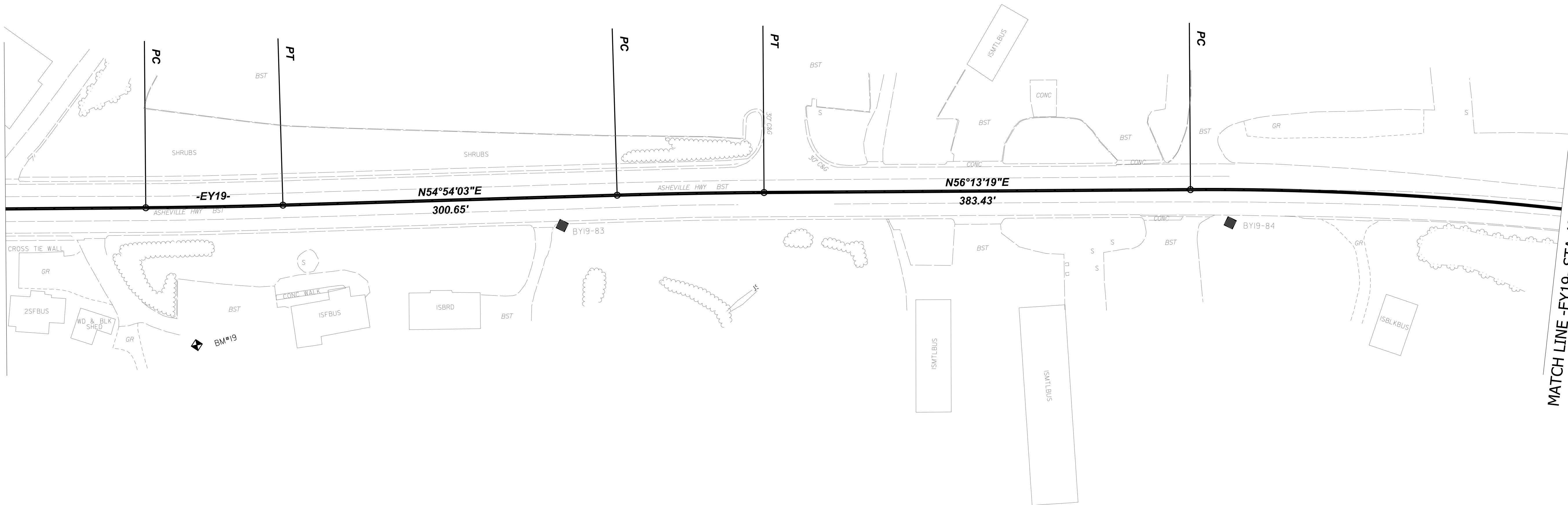
PROFESSIONAL LAND
SURVEYOR



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2024 STANDARD
SPECIFICATIONS

MATCH LINE -EY19- STA 26+50.00 SEE SHEET RW02C-14



MATCH LINE -EY19- STA 40+50.00 SEE SHEET RW02C-16

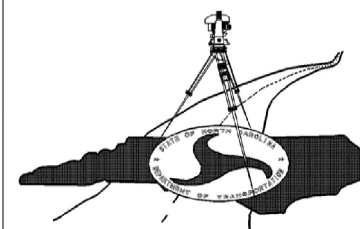


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TIP PROJECT: R-5600
County: Jackson

PREPARED FOR

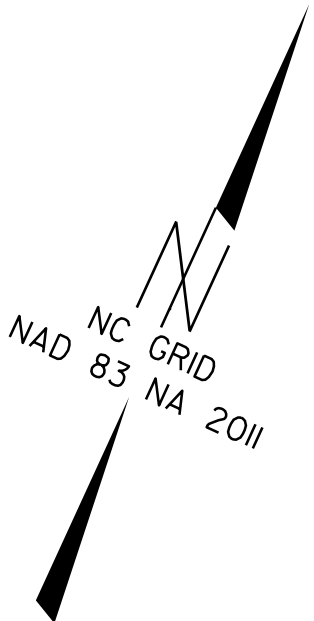


LOCATION AND
SURVEYS UNIT

PREPARED BY:
LOCATION AND SURVEYS
DIVISION 14
122 BONNIE LANE
SYLVA, NC 28779

SEE SHEETS RW02C-18 - 22
FOR FURTHER ALIGNMENT
AND CONTROL DETAILS

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



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THIS 8TH DAY OF AUGUST, 2025.

DocuSigned by:
Brian Barwatt
K8355F2H4564CE

PROFESSIONAL LAND SURVEYOR L-4727

R-5600

R/W02C-16

NORTH CAROLINA
DEPARTMENT
OF TRANSPORTATION

PROFESSIONAL LAND
SURVEYOR

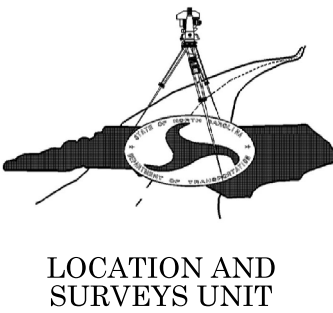
SEAL
L-4727
BRIAN A. BARWATT
LAND SURVEYOR

2024 STANDARD
SPECIFICATIONS

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TIP PROJECT: R-5600
County: Jackson

PREPARED FOR



LOCATION AND
SURVEYS UNIT

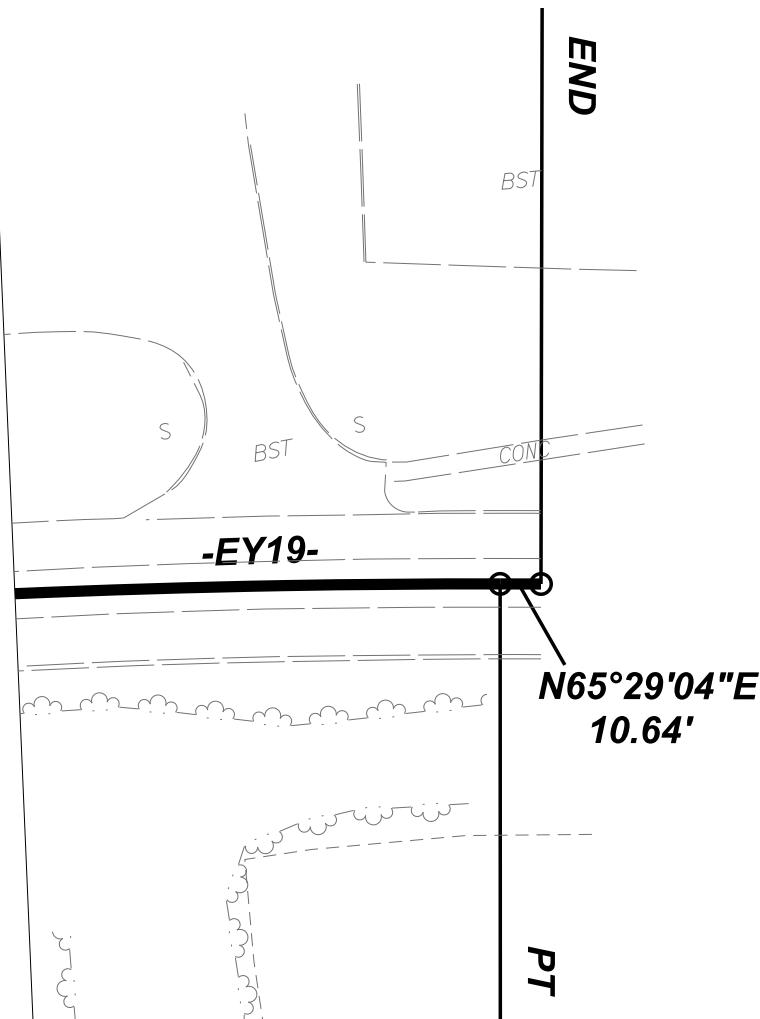
PREPARED BY:
LOCATION AND SURVEYS
DIVISION 14
122 BONNIE LANE
SYLVA, NC 28779

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MATCH LINE -EY19- STA 40+50.00 SEE SHEET RW02C-15



BM#21

SEE SHEETS RW02C-18 - 22
FOR FURTHER ALIGNMENT
AND CONTROL DETAILS

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

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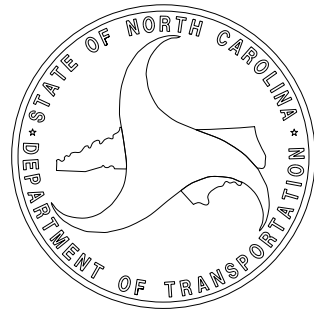
DocuSigned by:
Brian Barwatt
1930E7545A54CE

PROFESSIONAL LAND SURVEYOR L-4727

R-5600

R/W 02C-17

NORTH CAROLINA
DEPARTMENT
OF TRANSPORTATION



PROFESSIONAL LAND
SURVEYOR

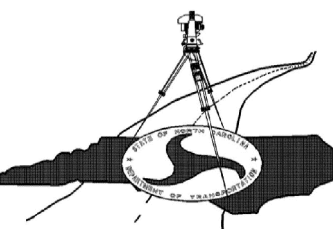


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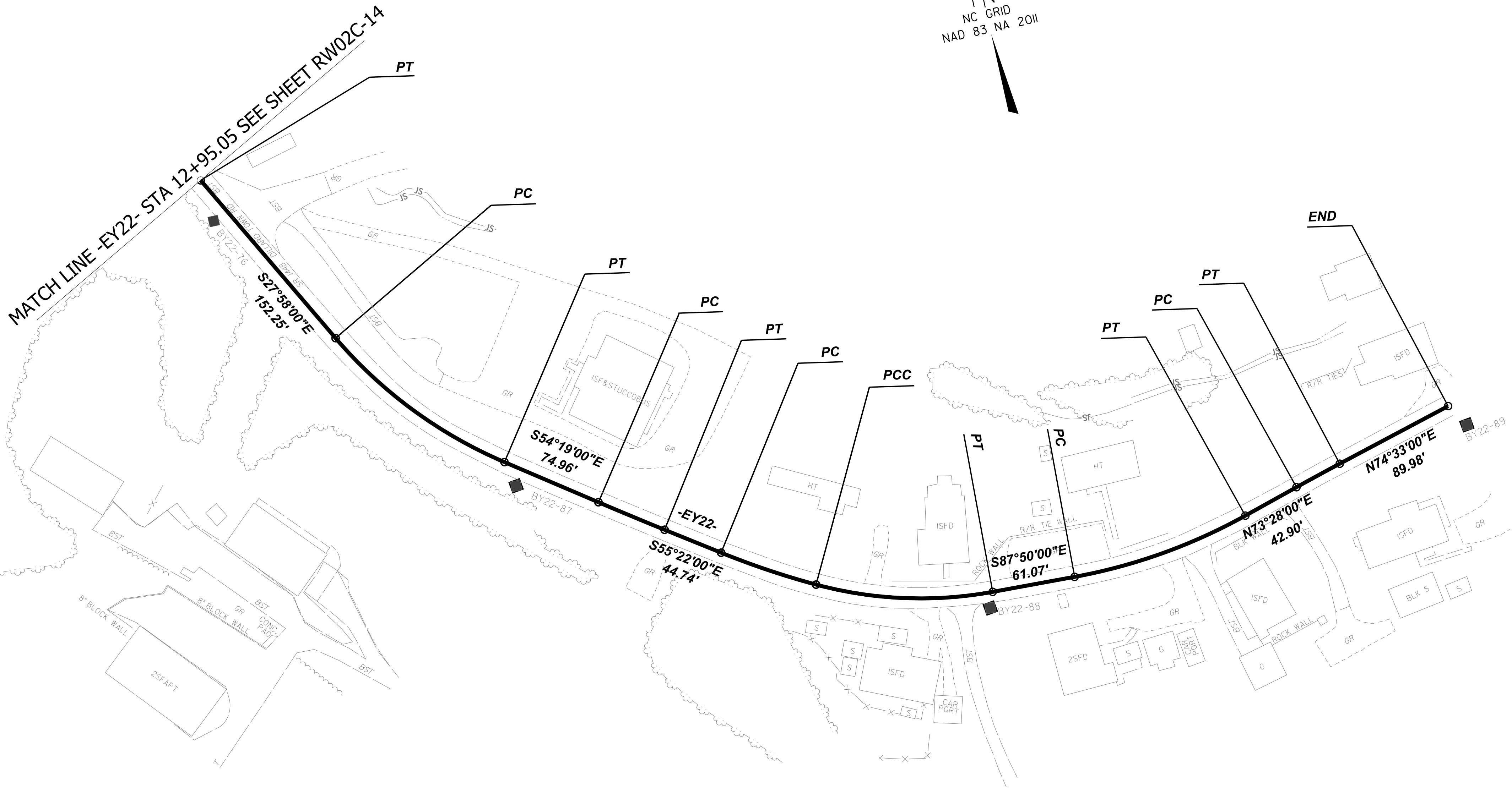
TIP PROJECT: R-5600
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SECONDARY SURVEY CONTROL SHEET
W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PRIMARY CONTROL TABLE				
POINT	DESC	NORTH	EAST	ELEVATION
G-101	30" IP & CAP	604630.9830	747531.2030	2042.91
G-102	30" IP & CAP	605763.4660	747584.2730	2063.24
G-103	30" IP & CAP	613216.3160	747762.8490	2220.27
G-104	30" IP & CAP	613483.6430	747135.0820	2232.80
G-105	30" IP & CAP	617828.3690	742667.5370	2040.86
G-106	30" IP & CAP	617896.8600	742115.1070	2043.44

BASELINE POINTS TABLE				
POINT	DESC	NORTH	EAST	ELEVATION
BL-1	30" IP & CAP	606333.0010	747858.3410	2086.57
BL-2	30" IP & CAP	607060.3580	748124.1030	2107.71
BL-3	30" IP & CAP	607732.5890	748325.5790	2139.55
BL-4	30" IP & CAP	608306.4710	748213.3200	2160.33
BL-5	30" IP & CAP	608670.1240	748048.5720	2150.59
BL-6	30" IP & CAP	609239.0460	747956.9600	2123.43
BL-7	30" IP & CAP	609894.7490	747890.7890	2120.97
BL-8	30" IP & CAP	610365.4420	747880.0860	2123.42
BL-9	30" IP & CAP	610924.3310	747875.2500	2124.86
BL-10	30" IP & CAP	611323.1970	747868.8920	2128.49
BL-11	30" IP & CAP	611729.9180	747828.1690	2133.65
BL-12	30" IP & CAP	612060.2040	747783.0830	2138.19
BL-13	30" IP & CAP	612554.0620	747731.2410	2165.21
BL-14	30" IP & CAP	612728.0960	747637.5200	2178.06
BL-15	30" IP & CAP	613029.4260	747617.5540	2187.61
BL-16	30" IP & CAP	613401.1350	747630.6760	2182.99
BL-17	30" IP & CAP	613815.6090	747676.8240	2169.84
BL-18	30" IP & CAP	614318.6650	747773.4950	2151.05
BL-19	30" IP & CAP	614811.8490	747902.1610	2136.38
BL-20	30" IP & CAP	615184.3690	747685.9770	2127.53
BL-21	30" IP & CAP	615575.3310	747505.9440	2111.97
BL-22	30" IP & CAP	616108.1990	747299.9500	2092.70
BL-23	30" IP & CAP	616581.0530	746821.4210	2083.14
BL-24	30" IP & CAP	616855.7650	746503.5600	2080.38
BL-25	30" IP & CAP	617084.6040	745924.5160	2081.46
BL-26	30" IP & CAP	617203.5340	745547.4550	2077.82
BL-27	30" IP & CAP	617516.4740	745057.2580	2076.84
BL-28	30" IP & CAP	617793.7720	744741.8280	2065.61
BL-29	30" IP & CAP	617931.4740	744525.5020	2057.98
BL-30	30" IP & CAP	618143.7650	743836.7000	2047.13
BL-31	30" IP & CAP	617847.2630	743318.5450	2043.78
BL-32	30" IP & CAP	617980.4930	742975.8820	2044.18
BL-33	30" IP & CAP	617742.7670	742558.1610	2042.23
BL-34	30" IP & CAP	617667.2590	742148.4010	2045.71

BASELINE POINTS TABLE				
POINT	DESC	NORTH	EAST	ELEVATION
BY1-37	30" IP & CAP	608332.5090	747898.7120	2193.45
BY1-38	30" IP & CAP	608056.0110	748152.5530	2178.31
BY1-35	30" IP & CAP	608157.7350	747098.9980	2188.21
BY1-36	30" IP & CAP	608458.7650	747530.7130	2202.41
BY1-39	30" IP & CAP	607902.3640	748433.2640	2168.27
BY1-40	30" IP & CAP	607719.1520	748797.9390	2157.32
BY1-41	30" IP & CAP	607529.3000	749269.7640	2190.53
BY2-42	30" IP & CAP	608582.7050	748427.1700	2176.23
BY3-43	30" IP & CAP	609337.9460	748440.7860	2125.70
BY4-44	30" IP & CAP	609707.2320	746718.5980	2115.58
BY4-45	30" IP & CAP	609840.9710	747066.3050	2117.11
BY4-46	30" IP & CAP	609910.1720	747462.7560	2117.28
BY5-47	30" IP & CAP	611436.0960	748191.4040	2141.18
BY6-48	30" IP & CAP	611696.3020	747570.0520	2155.04
BY7-50	30" IP & CAP	611713.4380	748107.8250	2157.03
BY8-49	30" IP & CAP	611732.5240	747903.6450	2138.98
BY8-51	30" IP & CAP	612263.5110	748022.3990	2153.07
BY8-52	30" IP & CAP	612458.7740	747930.0820	2161.11
BY9-53	30" IP & CAP	612544.6010	747324.5370	2146.28
BY9A-78	30" IP & CAP	613482.7030	747149.4310	2232.64
BY9A-79	30" IP & CAP	613490.0350	747519.6020	2214.37
BY10-54	30" IP & CAP	615338.2890	747900.8250	2161.79
BY11-55	30" IP & CAP	615613.2160	747666.0000	2133.69
BY11-56	30" IP & CAP	616022.0020	747706.4630	2114.56
BY11-57	30" IP & CAP	616343.3300	747310.4460	2087.22
BY12-58	30" IP & CAP	616541.1170	747165.8650	2089.36
BY12-59	30" IP & CAP	616562.5140	747436.8740	2093.90
BY13-60	30" IP & CAP	616086.8110	746554.7020	2101.48
BY13-80	30" IP & CAP	615696.3800	746468.0140	2124.33
BY13-81	30" IP & CAP	615870.7840	746413.0280	2115.28
BY13-82	30" IP & CAP	615978.8040	746440.0290	2111.69
BY14-61	30" IP & CAP	617098.3800	746681.2920	2106.71
BY15-62	30" IP & CAP	616828.9710	745014.1540	2073.78
BY15-63	30" IP & CAP	617250.1500	745067.6470	2057.88
BY16-64	30" IP & CAP	617405.5490	744715.8280	2054.07
BY17-65	30" IP & CAP	617742.0180	745166.4560	2099.20
BY17-66	30" IP & CAP	617853.7730	745321.1190	2123.72
BY18-67	30" IP & CAP	617357.0320	744156.3540	2075.28
BY18-68	30" IP & CAP	617672.0350	744346.1850	2051.95
BY19-69	30" IP & CAP	618312.9260	744467.8800	2069.83
BY19-70	30" IP & CAP	618633.6980	744560.6050	2084.43
BY19-71	30" IP & CAP	618933.3990	744713.9250	2098.42
BY19-72	30" IP & CAP	619109.3140	744996.5950	2109.79
BY19-73	30" IP & CAP	619290.4760	745116.8620	2123.87
BY19-83	30" IP & CAP	619559.9180	745614.0020	2156.83
BY19-84	30" IP & CAP	619892.5870	746114.1040	2190.90
BY19-85	30" IP & CAP	620199.0630	746587.3660	2224.10
BY20-74	30" IP & CAP	618426.5560	744667.7590	2101.94
BY21-75	30" IP & CAP	619374.5670	744749.9100	2103.84
BY21-86	30" IP & CAP	619610.6820	744619.7180	2084.86
BY22-76	30" IP & CAP	618844.0600	745098.9250	2100.63
BY22-87	30" IP & CAP	618606.2510	745273.1240	2110.44
BY22-88	30" IP & CAP	618443.1550	745593.0000	2118.62
BY22-89	30" IP & CAP	618498.3950	745963.2610	2127.17
BY23-77	30" IP & CAP	618507.9520	742971.7000	2062.26

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THIS 8TH DAY OF AUGUST, 2025

DocuSigned by:
Brian Barwatt
AG555FE84B94ACE
PROFESSIONAL LAND SURVEYOR L-4727

BENCHMARK POINTS TABLE				
POINT	NORTH	EAST	ELEVATION	DESC
BM1	606275.8846	747909.9357	2085.73	SPIKE SET IN BASE OF 8" POPLAR
BM2	607921.1960	748322.5216	2171.90	CHISELED SQUARE IN SE WW
BM3	608085.9597	747258.1426	2189.95	SPIKE SET IN BASE DBL 10" BIRCH
BM4	609326.9624	747963.4967	2117.62	CHISELED SQUARE ON SW COR. OF CONC PAD
BM5	610382.7915	747783.1726	2121.71	NAIL SET IN BASE OF 32" PIN OAK
BM6	611582.1225	747708.0438	2134.35	SPIKE SET IN BASE OF 12" STUMP
BM7	612926.4988	747626.8116	2186.64	CHISELED SQUARE W/PUNCH HOLE IN CURB
BM8	613703.6685	747652.7628	2172.14	NCGS MON "JAC 4"
BM9	614931.3420	747910.1410	2146.34	SPIKE SET IN 36" W. PINE STUMP
BM10	616128.3860	747138.5690	2090.53	SPIKE SET IN 46" W. OAK STUMP
BM11	616890.5760	746516.2430	2084.35	SPIKE SET IN BASE OF 36" SWEET GUM
BM12	617197.8230	745552.7800	2078.40	CHISELED SQUARE WITH X IN CONC POLE BASE
BM13	617837.7850	744493.1740	2057.83	CHISELED SQUARE WITH X IN CONC PAD
BM14	618075.9220	743772.3430	2047.50	NCGS MON "JAC 6" ON BRIDGE HW
BM15	618059.7540	742989.2510	2048.50	SPIKE SET IN BASE OF 16" W. PINE
BM16	617605.6040	742125.4600	2052.92	SPIKE SET IN CUTOFF PP
BM17	609748.9060	746723.8960	2121.39	SPIKE SET IN ROOT OF 68" MAPLE
BM18	616554.4952	747674.9409	2096.50	SPIKE SET IN BASE 30" MAPLE
BM19	619289.4380	745398.8570	2143.30	SPIKE SET IN BASE OF 48" MAPLE
BM20	615655.4640	746519.4090	2126.57	SPIKE SET IN BASE OF 8" WALNUT
BM21	620236.5260	746904.0520	2233.10	SPIKE SET IN TOP OF 12" STUMP

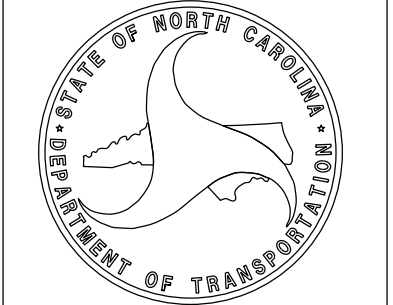
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R-5600

R/W | 02C-18

NORTH CAROLINA
DEPARTMENT
OF TRANSPORTATION



PROFESSIONAL LAND
SURVEYOR



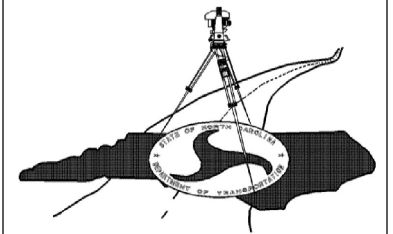
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2024 STANDARD
SPECIFICATIONS

TIP PROJECT: R-5600

County: Jackson

PREPARED FOR



LOCATION AND
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PREPARED BY:

LOCATION AND SURVEYS
DIVISION 14
122 BONNIE LANE
SYLVA, NC 28779

SECONDARY SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

EXISTING ALIGNMENT NAME:EL									
POINT	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R
START	608067.6224	748230.0463							
LINE			N13°21'25.6"W	68.5828					
PC	608134.3500	748214.2023							
CURVE					13°35'40.1" Left	03°00'56.0"	450.8101	226.4685	1900.0000
PT	608556.5640	748059.2396							
LINE			N26°57'05.8"W	108.7708					
PC	608653.5211	748009.9406							
CURVE					19°37'16.1" Right	06°32'53.1"	299.6467	151.3050	875.0000
PT	608938.4611	747922.0582							
LINE			N07°19'49.7"W	259.7354					
PC	609196.0735	747888.9180							
CURVE					06°13'19.5" Right	01°16'23.7"	488.6808	244.5808	4500.0000
PT	609683.1904	747852.9803							
LINE			N01°06'30.2"W	516.6978					
PC	610199.7915	747842.9854							
CURVE					01°08'27.1" Right	01°16'23.7"	89.6025	44.8027	4500.0000
PT	610289.3886	747842.1442							
LINE			N00°01'56.9"E	819.4085					
PC	611108.7969	747842.6085							
CURVE					06°47'44.7" Left	02°09'43.6"	314.3116	157.3403	2650.0000
PT	611422.3826	747824.1681							
LINE			N06°45'47.8"W	1171.8675					
PC	612586.0953	747686.1601							
CURVE					06°16'16.9" Right	02°02'46.6"	306.4772	153.3918	2800.0000
PT	612891.8058	747666.7786							
LINE			N00°29'30.9"W	473.4995					
PC	613365.2879	747662.7135							
CURVE					10°49'20.3" Right	03°34'51.6"	302.2162	151.5589	1600.0000
PT	613665.9434	747688.5905							
LINE			N10°19'49.5"E	924.6255					
PC	614575.5807	747854.3985							
CURVE					35°06'15.5" Left	07°29'22.7"	468.7046	241.9694	765.0000
PT	615033.3283	747796.3951							
LINE			N24°46'26.0"W	873.0146					
PC	615825.9981	747430.5684							
CURVE					22°06'56.6" Left	04°19'27.2"	511.4395	258.9427	1325.0000
PT	616238.0730	747133.0234							
LINE			N46°53'22.6"W	323.3785					
PC	616459.0719	746896.9446							
CURVE					01°42'05.8" Left	00°34'22.6"	296.9863	148.5041	10000.0000
PT	616658.7851	746677.1515							
LINE			N48°35'28.4"W	216.0084					
PC	616801.6589	746515.1431							
CURVE					24°11'50.2" Left	08°36'57.3"	280.8444	142.5472	665.0000
PT	616938.1231	746272.0675							
LINE			N72°47'18.6"W	366.1159					
PC	617046.4567	745922.3466							
CURVE					15°07'34.7" Right	06°11'38.9"	244.2034	122.8158	925.0000
PT	617148.4933	745701.2624							
LINE			N57°39'44.0"W	1091.4958					
PC	617732.3450	744779.0475							
CURVE					05°03'04.8" Left	02°51'53.2"	176.3246	88.2195	2000.0000
PT	617819.9778	744626.1072							
LINE			N62°42'48.7"W	23.5667					
PC	617830.7817	744605.1629							
CURVE					08°01'19.9" Left	03°49'11.0"	210.0208	105.1823	1500.0000
PT	617913.7037	744412.3919							
LINE			N70°44'08.7"W	354.0449					
PC	618030.5122	744078.1710							
CURVE					01°32'12.6" Left	03°49'11.0"	40.2342	20.1183	1500.0000
PT	618043.2756	744040.0162							
LINE			N72°16'21.3"W	91.9089					
PC	618071.2608	743952.4715							
CURVE					10°02'03.8" Left	08°11'06.4"	122.5931	61.4537	700.0000
PT	618098.1994	743833.0353							
LINE			N82°18'25.0"W	9.0864					
PC	618099.4157	743824.0306							
CURVE					14°46'50.2" Left	17°37'46.1"	83.8404	42.1542	325.0000
PT	618099.8575	743740.4237							
LINE			S82°54'44.7"W	2.4211					
PC	618099.5588	743738.0211							
CURVE					36°30'36.2" Left	26°38'57.1"	137.0025	70.9173	215.0000
PT	618041.9047	743616.2873							
LINE			S46°24'08.5"W	123.6237					
PC	617956.6550	743526.7590							
CURVE					55°33'30.1" Right	19°45'25.8"	281.2062	152.7650	290.0000
PT	617882.9690	743266.6781							
LINE			N78°02'21.4"W	185.9198					
PC	617921.4993	743084.7946							
CURVE					32°06'04.4" Left	27°17'01.3"	117.6571	60.4173	210.0000
PT	617913.2171	742968.9661							
LINE			S69°51'34.2"W	418.4764					
PC	617769.1259	742576.0790							
CURVE					21°28'47.6" Right	05°27'24.3"	393.6394	199.1578	1050.0000
PT	617705.2065	742189.9962							
LINE			N88°39'38.2"W	19.8290					
HPI	617705.6700	742170.1726							
LINE			N74°38'24.6"W	190.6629					
END	617756.1728	741986.3199							

EXISTING ALIGNMENT NAME:EL1									
POINT	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R
START	617708.6384	742159.3663							
LINE			S66°32'34.0"W	83.9277					
PC	617675.2298	742082.3746							
CURVE					10°24'07.8" Right	08°11'06.4"	127.0863	63.7183	700.0000
PT	617635.4726	741961.8508							
LINE			S76°56'41.8"W	23.8120					
END	617630.0938	741938.6542							

EXISTING ALIGNMENT NAME:EY2									
POINT	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R
START	608626.3609	748023.7505							
LINE			S79°25'00.0"E	158.0746					
PC	608597.3280	748179.1361							
CURVE					10°21'00.0" Left	11°00'00.0"	94.0909	47.1738	520.8707
PT	608588.4717	748272.6808							
LINE			S89°46'00.0"E	36.6323					
PC	608588.3226	748309.3128							
CURVE					03°54'00.0" Left	10°00'00.0"	39.0000	19.5075	572.9578
PT	608589.4907	748348.2877							
LINE			N86°20'00.0"E	73.1066					
END	608594.1660	748421.2447							

EXISTING ALIGNMENT NAME:EY3									
POINT	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R
START	609275.1776	747879.4528							
LINE			N86°13'00.0""E	291.559					
PC	609294.4157	748170.3765							
CURVE					04°32'18.3"" Left	05°00'00.0""	90.7681	45.4078	1145.9156
END	609303.9838	748260.615							

EXISTING ALIGNMENT NAME:EY4									
POINT	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R
START	609853.0680	747301.2955							
LINE			N81°36'00.0"E	552.7657					
END	609933.8177	747848.1313							

EXISTING ALIGNMENT NAME:EY5									
POINT	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R
START	611361.8541	747830.6422							
LINE			N81°40'00.0"E	164.9522					
PC	611385.7610	747993.8528							
CURVE					26°32'00.0" Left	35°00'00.0"	75.8095	38.5970	163.7022
PT	611413.4196	748063.7105							
LINE			N55°08'00.0"E	16.3388					
PC	611422.7600	748077.1163							
CURVE					28°16'00.0" Right	45°00'00.0"	62.8148	32.0603	127.3240
PT	611444.7728	748135.2691							
LINE			N83°24'00.0"E	21.9185					
END	611447.2921	748157.0424							

EXISTING ALIGNMENT NAME:EY6									
POINT	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R
PC	611274.8913	747541.9697							
CURVE					05°51'00.6" Right	22°55'05.9"	25.5262	12.7742	250.0000
PT	611300.3774	747543.1885							
LINE			N05°39'46.5"E	85.5008					
PC	611385.4609	747551.6254							
CURVE					03°56'55.5" Left	05°43'46.5"	68.9187	34.4730	1000.0000
PT	611454.2232	747556.0582							
LINE			N01°42'51.0"E	125.8102					
PC	611579.9771	747559.8216							
CURVE					08°17'32.9" Right	11°27'33.0"	72.3654	36.2460	500.0000
PT	611651.9015	747567.2040							
LINE			N10°00'23.9"E	23.9009					
PC	611675.4389	747571.3571							
CURVE					78°57'36.1" Right	136°25'06.7"	57.8807	34.5975	42.0000
PT	611710.1340	747611.9608							
LINE			N88°58'00.0"E	18.5241					
PC	611710.4681	747630.4819							
CURVE					02°54'00.0" Right	03°15'00.0"	89.2308	44.6249	1762.9471
PT	611709.8192	747719.7008							
LINE			S88°08'00.0"E	6.1387					
PC	611709.6193	747725.8362							
CURVE					27°12'00.0" Left	100°00'00.0"	27.2000	13.8613	57.2958
PT	611715.0988	747752.2185							
LINE			N64°40'00.0"E	39.0074					
END	611731.7894	747787.4746							

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

EXISTING ALIGNMENT NAME:EY7									
POINT	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R
START	611707.0355	747790.4103							
LINE			N85°33'00.0"E	89.0091					
PC	611713.9416	747879.1511							
CURVE					05°15'52.7" Right	10°00'00.0"	52.6463	26.3417	572.9578
PRC	611715.6109	747931.7524							
CURVE					07°18'04.5" Left	22°28'08.2"	32.4949	16.2695	255.0000
PRC	611717.2176	747964.1855							
CURVE					05°56'11.8" Right	07°15'00.0"	81.8844	40.9789	790.2866
PT	611722.2404	748045.8791							
LINE			N89°27'00.0"E	33.1360					
END	611722.5584	748079.0136							

EXISTING ALIGNMENT NAME:EY8									
POINT	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R
START	611715.6686	747924.1054							
LINE			N02°12'00.0"W	94.9617					
PC	611810.5603	747920.4600							
CURVE					20°11'28.0" Right	16°45'00.0"	120.5440	60.9036	342.0644
PT	611929.3447	747936.9334							
LINE			N17°59'28.0"E	11.0290					
PC	611939.8344	747940.3399							
CURVE					03°18'54.2" Left	10°00'00.0"	33.1506	16.5799	572.9578
PT	611971.6427	747949.6615							
LINE			N14°40'33.8"E	67.4870					
PC	612036.9279	747966.7596							
CURVE					02°06'26.2" Right	05°00'00.0"	42.1456	21.0752	1145.9156
PT	612077.4929	747978.1846							
LINE			N16°47'00.0"E	67.7884					
PC	612142.3937	747997.7587							
CURVE					22°57'06.5" Left	17°15'00.0"	133.0540	67.4311	332.1494
PCC	612273.9932	748009.9841							
CURVE					34°39'53.5" Left	32°00'00.0"	108.3277	55.8788	179.0493
PT	612371.8273	747967.4428							
LINE			N40°50'00.0"W	87.3637					
PC	612437.9279	747910.3191							
CURVE					03°52'00.0" Right	20°00'00.0"	19.3333	9.6703	286.4789
PT	612452.9711	747898.1807							
LINE			N36°58'00.0"W	9.6522					
PC	612460.6831	747892.3764							
CURVE					17°49'00.0" Left	35°00'00.0"	50.9048	25.6595	163.7022
PT	612495.9817	747855.9828							
LINE			N54°47'00.0"W	10.0930					
PC	612501.8020	747847.7371							
CURVE					02°42'00.0" Right	07°00'00.0"	38.5714	19.2893	818.5111
PT	612524.7791	747816.7608							
LINE			N52°05'00.0"W	171.7433					
END	612630.3179	747681.2716							

EXISTING ALIGNMENT NAME:EY8A									
POINT	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R
PC	612467.7992	747886.7039							
CURVE					42°20'00.0" Right	116°00'00.0"	36.4943	19.1252	49.3929
PT	612472.4550	747922.0686							
LINE			S76°20'00.0"E	13.9871					
PC	612469.1503	747935.6596							
CURVE					30°30'55.1" Left	54°00'00.0"	56.5098	28.9423	106.1033
PCC	612470.7007	747991.4824							
CURVE					10°37'24.1" Left	18°00'00.0"	59.0186	29.5941	318.3099
PCC	612492.9307	748046.0632							
CURVE					10°25'40.8" Left	10°00'00.0"	104.2801	52.2845	572.9578
PT	612549.1678	748133.7087							
LINE			N52°06'00.0"E	54.0029					
END	612582.3410	748176.3215							

EXISTING ALIGNMENT NAME:EY9									
POINT	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R
START	612636.2370	747463.2210							
LINE			N56°49'00.0"E	55.1813					
PC	612666.4388	747509.4036							
CURVE					04°06'00.0" Right	10°00'00.0"	41.0000	20.5088	572.9578
PT	612687.6326	747544.4907							
LINE			N60°55'00.0"E	22.2798					
PC	612698.4624	747563.9613							
CURVE					03°11'00.0" Left	15°00'00.0"	21.2222	10.6138	381.9719
PT	612709.2879	747582.2117							
LINE			N57°44'00.0"E	104.6869					
END	612765.1761	747670.7321							

EXISTING ALIGNMENT NAME:EY9A									
POINT	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R
START	613492.6004	747220.8102							
LINE			S87°59'00.0"E	241.3148					
PC	613484.1085	747461.9755							
CURVE					52°21'52.3" Left	70°00'00.0"	74.8065	40.2443	81.8511
PCC	613513.6777	747527.8757							
CURVE					14°58'35.3" Left	21°00'00.0"	71.3166	35.8627	272.8370
PCC	613573.8775	747565.7326							
CURVE					06°09'32.4" Left	07°00'00.0"	87.9856	44.0352	818.5111
PT	613655.6472	747598.1011							
LINE			N18°31'00.0"E	30.8986					
PC	613684.9462	747607.9139							
CURVE					17°54'57.1" Right	31°45'00.0"	56.4279	28.4461	180.4591
PCC	613734.8062	747633.8413							
CURVE					38°25'02.9" Right	115°00'00.1"	33.4065	17.3585	49.8224
PT	613753.3087	747660.9053							
LINE			N74°51'00.0"E	47.5259					
END	613765.7295	747706.7794							

EXISTING ALIGNMENT NAME:EY10									
POINT	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R
START	615197.8429	747720.4696							
LINE			N59°56'00.0"E	114.5392					
PC	615255.2279	747819.5968							
CURVE					12°07'30.0" Left	25°00'00.0"	48.5000	24.3409	229.1831
PT	615283.7705	747858.6967							
LINE			N47°48'30.0"E	30.5028					
PC	615304.2566	747881.2962							
CURVE					09°50'30.0" Left	30°00'00.0"	32.8056	16.4432	190.9859
PT	615328.2634	747903.5950							
LINE			N37°58'00.0"E	10.2183					
END	615336.3191	747909.8813							

EXISTING ALIGNMENT NAME:EY11									
POINT	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R
START	615212.4197	747745.6496							
LINE			N06°52'00.0""W	19.9201					
PC	615232.1969	747743.268							
CURVE					11°56'00.0"" Left	40°00'00.0""	29.8333	14.9708	143.2394
PT	615261.2325	747736.6535							
LINE			N18°48'00.0""W	69.8009					
PC	615327.3094	747714.159							
CURVE					03°17'00.0"" Right	10°00'00.0""	32.8333	16.4212	572.9578
PT	615358.6772	747704.4741							
LINE			N15°31'00.0""W	42.7555					
PC	615399.8743	747693.0362							
CURVE					13°55'00.0"" Right	30°00'00.0""	46.3889	23.3092	190.9859
PT	615445.634	747686.1497							
LINE			N01°36'00.0""W	82.6396					
PC	615528.2414	747683.8423							
CURVE					05°12'00.0"" Left	15°00'00.0""	34.6667	17.3452	381.9719
PT	615562.8031	747681.3043							
LINE			N06°48'00.0""W	48.6512					
PC	615611.1121	747675.5438							
CURVE					05°29'03.2"" Right	15°00'00.0""	36.5615	18.2947	381.9719
END	615647.568	747672.9575							

EXISTING ALIGNMENT NAME:EY11A									
POINT	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R
START	616377.0490	747255.4175							
LINE			N29°46'00.0"W	17.1797					
PC	616391.9619	747246.8883							
CURVE					17°39'00.0" Left	14°30'00.0"	121.7241	61.3480	395.1433
PT	616486.7271	747171.2608							
LINE			N47°25'00.0"W	9.8861					
PC	616493.4166	747163.9818							
CURVE					08°41'00.0" Right	35°00'00.0"	24.8095	12.4286	163.7022
PT	616511.5217	747147.0542							
LINE			N38°44'00.0"W	55.3086					
END	616554.6661	747112.4478							

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.

I, BRIAN BARWATT, 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 IN OCTOBER OF 2016, 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 8TH DAY OF AUGUST, 2025.

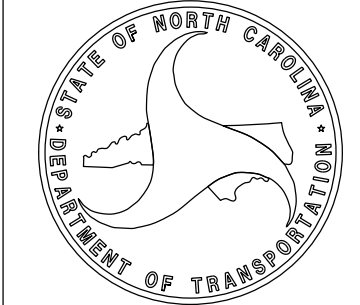
DocuSigned by:
Brian Barwatt
K058FT5HAKMACE

PROFESSIONAL LAND SURVEYOR L-4727

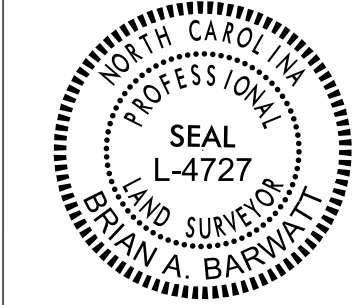
R-5600

R/W02C-20

NORTH CAROLINA
DEPARTMENT
OF TRANSPORTATION



PROFESSIONAL LAND
SURVEYOR

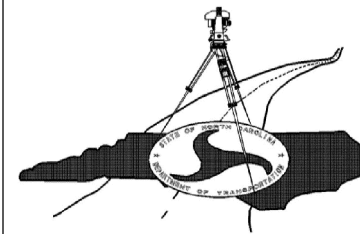


DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL SIGNATURES
ARE COMPLETED

2024 STANDARD
SPECIFICATIONS

TIP PROJECT: R-5600
County: Jackson

PREPARED FOR



LOCATION AND
SURVEYS UNIT

PREPARED BY:
LOCATION AND SURVEY
DIVISION 14
122 BONNIE LANE
SYLVA, NC 28779

SECONDARY SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

EXISTING ALIGNMENT NAME:EY12									
POINT	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R
START	616547.8872	746800.8158							
LINE			N78°00'00.0""E	63.0877					
PC	616561.0039	746862.5249							
CURVE					21°50'00.0"" Right	55°00'00.0""	39.697	20.0922	104.1741
PT	616561.7499	746901.9751							
LINE			S80°10'00.0""E	25.9735					
PC	616557.3141	746927.567							
CURVE					14°09'00.0"" Left	10°30'00.0""	134.7619	67.7255	545.6741
PT	616550.8453	747061.8309							
LINE			N85°41'00.0""E	441.4297					
PC	616584.0712	747502.0084							
CURVE					01°23'26.8"" Right	04°45'00.0""	29.2793	14.6404	1206.2269
END	616585.9205	747531.2285							

EXISTING ALIGNMENT NAME:EY13									
POINT	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R
START	615635.5323	746508.0674							
LINE			N25°08'00.0""W	84.1542					
PC	615711.7190	746472.3249							
CURVE					04°56'43.9" Right	04°45'00.0"	104.1164	52.0905	1206.2269
PCC	615807.7681	746432.2244							
CURVE					20°42'37.6" Right	38°00'00.0"	54.5012	27.5512	150.7784
PCC	615861.1768	746422.9678							
CURVE					23°59'32.6" Right	22°15'00.0"	107.8310	54.7174	257.5091
PCC	615965.6766	746446.1709							
CURVE					18°33'05.9" Right	34°00'00.0"	54.5637	27.5227	168.5170
PT	616010.8252	746476.3848							
LINE			N43°04'00.0"E	49.3682					
PC	616046.8916	746510.0958							
CURVE					14°49'00.0" Left	13°00'00.0"	113.9744	57.3069	440.7368
PT	616139.2389	746576.3522							
LINE			N28°15'00.0"E	77.6177					
PC	616207.6115	746613.0902							
CURVE					00°49'00.0" Left	01°00'00.0"	81.6667	40.8340	5729.5780
PT	616279.8240	746651.2306							
LINE			N27°26'00.0"E	309.2998					
END	616554.3422	746793.7301							

EXISTING ALIGNMENT NAME:EY14									
POINT	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R
START	616855.0056	746445.9789							
LINE			N41°21'00.0"E	176.2232					
PC	616987.2942	746562.4020							
CURVE					05°32'00.0" Right	10°00'00.0"	55.3333	27.6882	572.9578
PT	617027.0038	746600.9058							
LINE			N46°53'00.0"E	20.2542					
PC	617040.8473	746615.6906							
CURVE					05°13'00.0" Left	15°00'00.0"	34.7778	17.4009	381.9719
PT	617065.7395	746639.9607							
LINE			N41°40'00.0"E	37.1326					
END	617093.4785	746664.6463							

EXISTING ALIGNMENT NAME:EY15									
POINT	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R
START	616965.3087	745038.3652							
LINE			N10°14'00.0"E	173.1778					
PC	617135.7317	745069.1315							
CURVE					00°25'00.0" Left	00°30'00.0"	83.3333	41.6669	11459.1559
PT	617217.7925	745083.6380							
LINE			N09°49'00.0"E	294.2627					
END	617507.7467	745133.8087							

EXISTING ALIGNMENT NAME:EY16									
POINT	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R
START	617225.7748	745085.0192							
LINE			N61°27'00.0"W	69.7440					
PC	617259.1072	745023.7561							
CURVE					02°33'00.0" Left	10°00'00.0"	25.5000	12.7521	572.9578
PT	617270.7920	745001.0931							
LINE			N64°00'00.0"W	127.0553					
PC	617326.4893	744886.8966							
CURVE					03°16'00.0" Right	02°30'00.0"	130.6667	65.3510	2291.8312
PT	617387.0858	744771.1502							
LINE			N60°44'00.0"W	94.1822					
PC	617433.1291	744688.9900							
CURVE					06°03'00.0" Right	08°00'00.0"	75.6250	37.8477	716.1972
PT	617473.5115	744625.0909							
LINE			N54°41'00.0"W	190.2859					
PC	617583.5148	744469.8235							
CURVE					07°07'00.0" Left	05°00'00.0"	142.3333	71.2583	1145.9156
PT	617658.3820	744348.8787							
LINE			N61°48'00.0"W	33.5764					
END	617674.2486	744319.2877							

EXISTING ALIGNMENT NAME:EY17									
POINT	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R
START	617549.069	745068.5387							
LINE			N18°54'00.0""E	44.163					
PC	617590.8509	745082.8438							
CURVE					28°10'00.0"" Right	18°00'00.0""	156.4815	79.8555	318.3099
PT	617720.7943	745167.1764							
LINE			N47°04'00.0""E	25.2844					
PC	617738.0167	745185.6882							
CURVE					03°42'00.0"" Left	10°00'00.0""	37	18.5064	572.9578
PT	617764.076	745211.9454							
LINE			N43°22'00.0""E	117.8172					
PC	617849.7261	745292.8463							
CURVE					56°59'21.8"" Right	113°59'59.6""	49.9907	27.2826	50.2595
PCC	617864.6554	745338.4185							
CURVE					14°49'38.2"" Right	41°00'00.0""	36.1641	18.1837	139.7458
PT	617853.6492	745372.7613							
LINE			S64°49'00.0""E	126.0667					
PC	617800.0058	745486.8454							
CURVE					09°11'54.4"" Right	08°30'00.0""	108.2171	54.2251	674.068
END	617746.311	745580.668							

EXISTING ALIGNMENT NAME:EY18									
POINT	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R
START	617449.6462	744210.4901							
LINE			N24°25'00.0"E	172.6499					
PC	617606.8549	744281.8583							
CURVE					18°42'00.0" Right	12°00'00.0"	155.8333	78.6158	477.4648
PT	617735.8262	744368.0885							
LINE			N43°07'00.0"E	75.4100					
PC	617790.8727	744419.6301							
CURVE					25°25'00.0" Left	23°45'00.0"	107.0175	54.4039	241.2454
PT	617882.4140	744473.3550							
LINE			N17°42'00.0"E	7.9008					
END	617889.9408	744475.7571							

EXISTING ALIGNMENT NAME:EY19									
POINT	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R
START	617917.2437	744402.2631							
LINE			N15°13'53.0"E	670.9341					
PC	618564.6097	744578.5295							
CURVE					40°54'11.4" Right	05°12'31.3"	785.2842	410.2139	1100.0000
PT	619189.0033	745026.9204							
LINE			N56°08'04.4"E	319.9035					
PC	619367.2678	745292.5518							
CURVE					01°14'01.0" Left	01°00'00.0"	123.3609	61.6828	5729.5780
PT	619437.1074	745394.2364							
LINE			N54°54'03.4"E	300.6546					
PC	619609.9813	745640.2196							
CURVE					01°19'15.3" Right	01°00'00.0"	132.0911	66.0485	5729.5780
PT	619684.6802	745749.1570							
LINE			N56°13'18.6"E	383.4262					
PC	619897.8570	746067.8596							
CURVE					09°15'45.5" Right	02°00'37.4"	460.7408	230.8735	2850.0000
PT	620122.0163	746469.8207							
LINE			N65°29'04.1"E	10.6389					
END	620126.4308	746479.5005							

EXISTING ALIGNMENT NAME:EY20									
POINT	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R
PC	618469.6515	744669.1945							
CURVE					19°31'17.7" Right	47°15'00.0"	41.3155	20.8599	121.2609
PCC	618510.3697	744663.4893							
CURVE					13°02'54.8" Right	27°00'00.0"	48.3280	24.2690	212.2066
PT	618558.0871	744670.4582							
LINE			N14°50'00.0"E	83.8198					
PC	618639.1135	744691.9168							
CURVE					57°09'00.0" Left	125°00'00.0"	45.7200	24.9650	45.8366
PT	618681.7066	744681.5009							
LINE			N42°19'00.0"W	64.7262					
END	618729.5674	744637.9255							

I, BRIAN BARWATT, 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 IN OCTOBER OF 2016, 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 8TH DAY OF AUGUST, 2025.

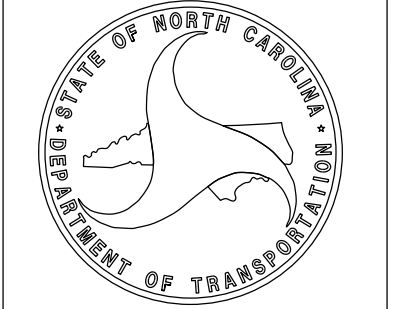
DocuSigned by:
Brian Barwatt
ASSISTANCE

PROFESSIONAL LAND SURVEYOR L-4727

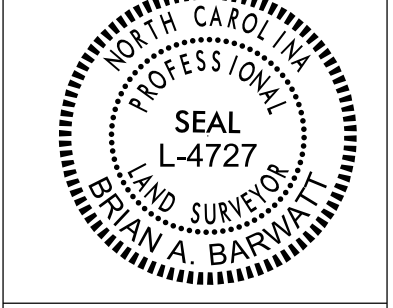
R-5600

R/W | 02C-21

NORTH CAROLINA
DEPARTMENT
OF TRANSPORTATION



PROFESSIONAL LAND
SURVEYOR



DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL SIGNATURES
ARE COMPLETED

2024 STANDARD
SPECIFICATIONS

TIP PROJECT: R-5600

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

I, BRIAN BARWATT, 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 OCTOBER OF 2016, 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 8TH DAY OF AUGUST, 2025.

DocuSigned by:
Brian Barwatt
K036FT3HAKMACE

PROFESSIONAL LAND SURVEYOR L-4727

EXISTING ALIGNMENT NAME:EY21									
POINT	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R
PC	619665.5992	744625.9513			06°35'35.9" Right	03°00'00.0"	219.7771	110.0100	1909.8593
CURVE									
PCC	619456.2575	744692.4698			08°07'59.8" Right	03°26'39.9"	236.1293	118.2633	1663.4412
CURVE									
PT	619224.1023	744734.5106							
LINE			S06°11'52.0"E	28.5303					
PC	619195.7387	744737.5907							
CURVE					03°26'00.0" Left	05°00'00.0"	68.6667	34.3436	1145.9156
PT	619127.7362	744747.0443							
LINE			S09°37'52.0"E	173.5160					
END	618956.6659	744776.0743							

EXISTING ALIGNMENT NAME:EY22									
POINT	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R
START	619129.5709	744946.5151							
LINE			S30°43'00.0"E	240.0517					
PC	618923.1975	745069.1319							
CURVE					02°45'00.0" Right	05°00'00.0"	55.0000	27.5053	1145.9156
PT	618875.2579	745096.0802							
LINE			S27°58'00.0"E	152.2452					
PC	618740.7919	745167.4767							
CURVE					26°21'00.0" Left	17°00'00.0"	155.0000	78.8955	337.0340
PT	618625.0896	745268.5585							
LINE			S54°19'00.0"E	74.9636					
PC	618581.3630	745329.4479							
CURVE					01°03'00.0" Left	02°00'00.0"	52.5000	26.2507	2864.7890
PT	618551.1319	745372.3695							
LINE			S55°22'00.0"E	44.7426					
PC	618525.7036	745409.1840							
CURVE					06°58'52.7" Left	09°30'00.0"	73.4875	36.7893	603.1135
PCC	618487.7215	745472.0417							
CURVE					25°29'07.3" Left	19°30'00.0"	130.6941	66.4462	293.8245
PT	618454.3717	745597.2973							
LINE			S87°50'00.0"E	61.0737					
PC	618452.0627	745658.3273							
CURVE					18°42'00.0" Left	14°00'00.0"	133.5714	67.3849	409.2556
PT	618468.6911	745790.2630							
LINE			N73°28'00.0"E	42.8980					
PC	618480.8987	745831.3873							
CURVE					01°05'00.0" Right	03°00'00.0"	36.1111	18.0561	1909.8593
PT	618490.8471	745866.1005							
LINE			N74°33'00.0"E	89.9816					
END	618514.8180	745952.8305							

EXISTING ALIGNMENT NAME:EY23									
POINT	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R
START	617908.7667	742956.8313							
LINE			N29°53'00.0"W	45.6924					
PC	617948.3840	742934.0658							
CURVE					47°01'00.0" Right	100°00'00.0"	47.0167	24.9228	57.2958
PT	617993.8099	742928.9905							
LINE			N17°08'00.0"E	32.9175					
PC	618025.2666	742938.6879							
CURVE					12°09'00.0" Left	10°00'00.0"	121.5000	60.9787	572.9578
PT	618144.2873	742961.9489							
LINE			N04°59'00.0"E	78.5124					
END	618222.5030	742968.7690							

EXISTING ALIGNMENT NAME:EY24									
POINT	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R
START	617970.4447	742926.8161							
LINE			S83°30'00.0"W	9.7687					
PC	617969.3388	742917.1102							
CURVE					26°34'00.0" Left	50°00'00.0"	53.1333	27.0531	114.5916
PT	617951.5158	742867.5595							
LINE			S56°56'00.0"W	24.9477					
PC	617937.9040	742846.6525							
CURVE					30°11'30.0" Right	20°00'00.0"	150.9583	77.2756	286.4789
PT	617891.8654	742704.7144							
LINE			S87°07'30.0"W	30.5972					
PC	617890.3307	742674.1558							
CURVE					07°41'30.0" Right	02°15'00.0"	341.8519	171.1831	2546.4791
PT	617896.1185	742332.6096							
LINE			N85°11'00.0"W	126.7633					
END	617906.7625	742206.2940							

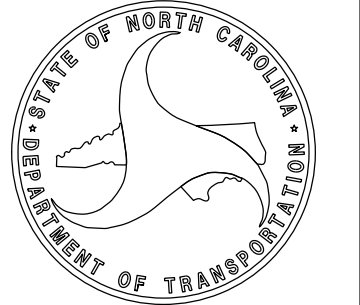
NOTES:

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.

R-5600

R/W02C-22

NORTH CAROLINA
DEPARTMENT
OF TRANSPORTATION



PROFESSIONAL LAND
SURVEYOR



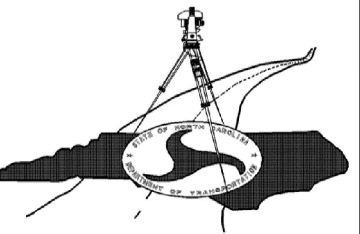
DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL SIGNATURES
ARE COMPLETED

2024 STANDARD
SPECIFICATIONS

TIP PROJECT: R-5600

County: Jackson

PREPARED FOR



LOCATION AND
SURVEYS UNIT

PREPARED BY:
LOCATION AND SURVEYS
DIVISION 14
122 BONNIE LANE
SYLVA, NC 28779

PROJECT REFERENCE NO. R-5600	SHEET NO. RW02D-1
Location and Surveys <u>Vannin & Melton</u> PROJECT SURVEYOR DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

PCNT	LOC	NORTHING	EASTING	BEARING	PROSPECTOR NAME	L	T	R	ST
10	10-0000	17760.0313	72154.3305	N87°24'48"	18373.1	08°25'42"	43°00'11"	183879	526
10	10-0001	17774.198	72154.3305	N87°24'48"	18373.1	08°25'42"	43°00'11"	183879	526
10	10-0002	17772.388	72154.3305	N87°24'48"	18373.1	08°25'42"	43°00'11"	183879	526
10	13-0001	17755.725	72458.5859	N69°21'10"	180.529			145.493	73.105
10	13-0002	17779.1798	72458.5859	N69°21'10"	180.529			145.493	73.105
10	13-0003	17783.725	72458.5859	N69°21'10"	180.529			145.493	73.105
10	16-1118	17832.788	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1119	17880.554	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1120	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1121	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1122	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1123	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1124	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1125	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1126	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1127	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1128	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1129	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1130	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1131	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1132	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1133	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1134	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1135	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1136	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1137	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1138	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1139	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1140	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1141	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1142	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1143	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1144	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1145	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1146	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1147	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1148	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1149	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1150	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1151	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1152	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1153	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1154	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1155	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1156	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1157	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1158	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1159	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1160	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1161	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1162	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1163	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1164	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1165	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1166	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1167	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1168	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1169	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1170	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1171	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1172	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1173	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1174	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1175	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1176	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1177	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1178	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1179	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1180	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1181	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1182	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1183	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1184	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1185	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1186	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1187	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1188	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1189	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1190	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1191	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1192	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1193	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1194	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1195	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1196	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1197	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1198	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1199	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003
10	16-1200	17868.377	72475.9037	N79°39'12"	223.382			176.188	100.003

[illegible]

PROPOSED ALIGNMENT: Y2											
POINT	STATION	NORTHING	EASTING	BEARING	DELTA	Y	L	T	R	LT	ST
START	10+00.00	618099.2117	744824.6564	S44°51'51"E	91.02						
PC	10+41.52	618099.2172	744950.5152	S52°14'13"E	46.92	66°44'48"	104.844	50.283			
PT	11+48.77	618098.2578	744954.3393	S71°35'32"E	125.08	98°02'07"	138.298	86.969	90		
END	12+85.05	618018.9764	745073.0178	S27°34'28"E	85.72						
PT	13+70.77	618842.7604	745112.6970								

PROPOSED ADJUSTMENT: Y3													
POINT	STATION	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R	ST	ST	
START	01774.462	746603.632	5407.073	34.12									
PC	10/34.12	01752.268	744706.297	S05°03'37"	83.55		88°14'54"	60°29'35"	92.43	58.193	60		
PT	11-26.53	01666.965	744713.819	S28°15'29"	63.01	24°14'56"	38°11'50"	63.43	32.224	150			
PC	11/26.02	01631.767	744683.358	N41°42'29"	90.80								
PT	12-40.62	01563.630	744672.490	S28°15'29"	66.84	20°54'28"	10°22'03"	27.607	13.957	550			
PC	12-48.73	01536.479	744665.058	S05°57'52"	58.80	23°22'41"	42°29'29"	69.813	35.599	135			

[illegible][illegible][illegible][illegible]

PROPOSED ALIGNMENT: V7												
POINT START	STATION	NORTHINGS	EASTING	BEARING	DIST	DELTA	L	T	R	LY	ST	
	11+00.00	61760.6333	744715.5942	N17°40'E	141.24							
PC	11+81.24	617678.7942	745167.3636	N26°03'40"E	81.82	31°39'20"	38°11'50"	82.87	42.52	150		
PT	12+64.12	617752.2886	745203.7111	N41°52'0"E	55.68							
PC	13+49.12	617789.2294	745249.4671	N42°50'40"E	52.68	01°28'40"	02°47'42"	52.68	26.44	250		
PT	13+72.02	617832.1655	745276.2576	N42°50'40"E	24.16							
END	13+96.18	617854.7261	745292.8463									

[illegible]

PROPOSED ALIGNMENT: Y9												
POINT	STATION	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R	LT	ST
PC	10+00.00	616047.0803	746509.8519	N35°16'07"E	125.11	15°37'58"	12°27'20"	125.5	63.14	460		
PRC	11+25.50	616149.2294	746582.0933	N50°58'31"E	268.82	65°02'45"	22°55'06"	283.82	159.41	250		
PT	14+09.32	616283.7384	746814.8390	N68°19'18"E	204.78	48°21'12"	22°55'06"	210.98	250		112.23	250

[illegible][illegible]

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 03/23/2023 TO 07/10/2025.

I, Mark A. Parris, 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 03/23/2023 to 07/10/2025, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 10th day of July, 2025.

Signed by: 
Professional Land Surveyor L-4529

REVISIONS

10-JUL-2025 15:55
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PROPOSED ALIGNMENT CONTROL SHEET

PROPOSED ALIGNMENT: Y12												
POINT	STATION	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R	LT	ST
START	10+00.00	615752.1497	747679.5154	S03°51'12"W	84.46							
PC	10+84.46	615667.8851	747673.8396	S02°49'55"E	69.85	13°22'14"	19°05'55"	70.01	35.16	300		
PRC	11+54.46	615598.1209	747677.2906	S06°44'00"E	34	05°34'03"	16°22'13"	34.01	17.02	350		
PT	11+88.47	615564.3592	747681.2766	S03°56'59"E	171.44							
END	13+59.91	615393.3285	747693.0854									

PROPOSED ALIGNMENT: Y13												
POINT	STATION	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R	LT	ST
START	10+00.00	615193.1472	747712.0641	N60°18'10"E	119.67							
PC	11+19.67	615252.4331	747816.0156	N54°03'20"E	50.06	12°29'40"	24°54'40"	50.16	25.18	230		
PT	11+69.83	615281.8166	747856.5412	N47°48'30"E	33.41							
END	12+03.24	615304.2566	747881.2962									

PROPOSED ALIGNMENT: Y14												
POINT	STATION	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R	LT	ST
PC	10+00.00	613513.1081	747527.4251	N30°48'51"E	88.34	21°12'39"	23°52'24"	88.85	44.94	240		
PT	10+88.85	613588.9789	747572.6785	N20°12'31"E	53.2							
PC	11+42.05	613638.9047	747591.0561	N10°01'25"E	70.73	20°22'12"	28°38'52"	71.1	35.93	200		
PRC	12+13.15	613708.5561	747603.3671	N48°50'38"E	75.48	98°00'39"	114°35'30"	85.53	57.53	50		
PT	12+98.68	613758.2285	747660.1954	S82°09'02"E	53.6							
END	13+52.29	613750.9083	747713.2942									

PROPOSED ALIGNMENT: Y15												
POINT	STATION	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R	LT	ST
START	10+00.00	612558.4833	747249.6665	S86°09'00"E	34.38							
PC	10+34.38	612556.1746	747283.9730	S64°02'05"E	120.47	44°13'50"	35°48'36"	123.51	65.02	160		
PT	11+57.90	612503.4294	747392.2834	S41°55'10"E	35.88							
PC	11+93.78	612476.7318	747416.2541	S69°20'28"E	221.06	54°50'36"	23°52'24"	229.73	124.52	240		
PT	14+23.51	612398.7422	747623.0966	N83°14'14"E	82.56							
END	15+06.07	612408.4648	747705.0857									

PROPOSED ALIGNMENT: Y16												
POINT	STATION	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R	LT	ST
START	10+00.00	612448.1935	747700.3745	N83°14'14"E	178.55							
PC	11+78.55	612469.2191	747877.6796	N88°47'56"E	57.14	13°07'24"	22°55'06"	57.26	28.76	250		
PT	12+35.81	612468.4197	747934.8153	S83°38'22"E	30.03							
END	12+65.84	612466.0930	747964.6590									

PROPOSED ALIGNMENT: Y17												
POINT	STATION	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R	LT	ST
START	10+00.00	612470.8457	747914.6306	S01°43'18"W	21.43							
PC	10+21.43	612449.4253	747913.9867	S19°28'32"E	28.93	42°23'40"	143°14'22"	29.6	15.51	40		
PT	10+51.03	612422.1539	747923.631	S40°40'22"E	52.67							
END	11+03.70	612382.2037	747957.9607									

PROPOSED ALIGNMENT: Y18												
POINT	STATION	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R	LT	ST
PC	10+00.00	611674.716	747571.2296	N46°37'19"E	50.1	73°13'50"	136°25'07"	53.68	31.21	42		
PT	10+53.68	611708.1258	747607.6448	N83°14'14"E	179.12							
END	12+32.80	611730.2184	747785.515									

PROPOSED ALIGNMENT: Y19												
POINT	STATION	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R	LT	ST
START	10+00.00	611708.4403	747788.0975	N87°11'37"E	176.31							
END	11+76.31	611717.0721	747964.1927									

PROPOSED ALIGNMENT: Y20												
POINT	STATION	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R	LT	ST
START	10+00.00	611355.1921	747829.9871	N81°22'56"E	169.03							
END	11+69.03	611380.5197	747997.1058									

PROPOSED ALIGNMENT: Y21												
POINT	STATION	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R	LT	ST
START	10+00.00	609899.9696	747547.0836	N82°02'08"E	309.1							
END	13+09.10	609942.7985	747853.2009									

PROPOSED ALIGNMENT: Y22												
POINT	STATION	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R	LT	ST
START	10+00.00	609931.2476	747853.1173	N88°28'28"E	21.62							
PC	10+21.62	609931.8231	747874.7252	S66°06'33"E	68.67	50°49'58"	71°37'11"	70.98	38.01	80		
PT	10+92.59	609904.0117	747937.5124	S40°41'34"E	64.46							
PC	11+57.05	609855.1391	747979.5388	S75°08'46"E	101.83	68°54'24"	63°39'43"	108.24	61.75	90		

PROPOSED ALIGNMENT: Y23												
POINT	STATION	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R	LT	ST
START	10+00.00	609274.8546	747878.7834	N86°02'33"E	295.28							
PC	12+95.28	609295.2347	748173.3623	N83°32'22"E	113.54	05°00'20"	04°24'27"	113.57	56.82	1300		

PROPOSED ALIGNMENT: Y24												
POINT	STATION	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R	LT	ST
START	10+00.00	608530.2112	748074.5546	N63°56'45"E	78.07							
PC	10+78.07	608564.5031	748144.695	N78°26'49"E	120.19	29°00'08"	23°52'24"	121.48	62.07	240		
PRC	11+99.56	608588.5746	748262.4518	N89°47'43"E	77	06°18'20"	08°11'06"	77.04	38.56	700		
PT	12+76.59	608588.8495	748339.4479	N86°38'34"E	69.98							
END	13+46.57	608592.9475	748409.3043									

PROPOSED ALIGNMENT: DR1												
POINT	STATION	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R	LT	ST
START	10+00.00	613092.4145	747404.4559	S87°59'26"E	260.2							
END	12+60.20	613083.2912	747664.4913									

PROPOSED ALIGNMENT: DR2												
POINT	STATION	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R	LT	ST
START	10+00.00	613087.3848	747664.4588	S87°59'26"E	277.55							
END	12+77.55	613077.653	747941.8355									

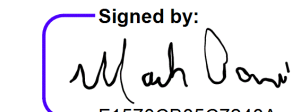
PROPOSED ALIGNMENT: DR3												
POINT	STATION	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R	LT	ST
START	10+00.00	614996.4362	747793.7206	N71°59'03"E	40.43							
PC	10+40.43	615008.9409	747832.1703	N27°50'40"E	34.82	88°16'47"	229°10'59"	38.52	24.26	25		
PT	10+78.95	615039.73	747848.4341	N16°17'44"W	99.52							
PC	11+78.47	615135.2474	747820.5111	N31°59'24"E	89.58	96°34'15"	95°29'35"	101.13	67.31	60		
PRC	12+79.60	615211.2207	747867.986	S31°59'24"W	89.58	96°34'15"	95°29'35"	101.13	67.31	60		
PT	13+80.72	615135.2474	747820.5111	S16°17'44"E	99.52							
PC	14+80.24	615039.73	747848.4341	S27°50'40"W	34.82	88°16'47"	229°10'59"	38.52	24.26	25		
PT	15+18.76	615008.9409	747832.1703	S71°59'03"W	40.43							
END	15+59.19	614996.4362	747793.7206									

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This 10th day of July, 2025.

Signed by:

E1570CB85C7248A
Professional Land Surveyor L-4529

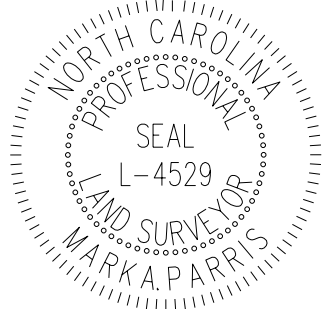
PROJECT REFERENCE NO.
R-5600

SHEET NO.
RW02D-2

Location and Surveys



PROJECT SURVEYOR



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

ROW IRON PIN AND CAP					
NORTHING	EASTING	Alignment	Station	Offset	LOC
617858.0307	742238.8719	L	10+91.19	151.48	LT
617784.0603	742247.2892	L	10+96.71	77.21	LT
617882.8742	742251.5965	L	11+07.24	175.66	LT
617722.8275	742278.2408	L	11+25.00	14.24	LT
617785.7430	742287.5913	L	11+39.67	76.25	LT
617726.0770	742327.6014	L	11+75.00	13.00	LT
617787.4317	742328.0361	L	11+82.67	73.91	LT
617727.0793	742336.3308	L	11+83.88	13.00	LT
617692.5480	742342.5210	L	11+85.97	22.02	RT
617729.4407	742356.2733	L	12+03.96	13.00	LT
617727.4714	742356.6498	L	12+04.10	11.00	LT
617792.1894	742374.9655	L	12+29.90	73.12	LT
617732.2825	742397.2797	L	12+45.02	11.00	LT
617700.5045	742401.0426	L	12+45.02	21.00	RT
617793.8914	742421.1842	L	12+80.01	68.47	LT
617788.8001	742447.0173	L	13+07.21	58.37	LT
617713.8946	742475.2203	L	13+17.89	21.00	RT
617723.6096	742472.8499	L	13+17.89	11.00	RT
617779.4386	742479.1097	L	13+38.64	41.42	LT
617770.7022	742489.8955	L	13+47.08	30.04	LT
617752.4508	742495.3018	L	13+47.08	11.00	LT
617772.7531	742496.0557	L	13+53.92	30.22	LT
617744.1885	742540.1110	L	13+87.00	11.00	RT
617724.8213	742552.5534	L	13+91.75	33.50	RT
617719.1253	742558.7071	L	13+95.50	41.00	RT
617714.9712	742573.2029	L	14+07.60	50.00	RT
617724.7609	742575.1191	L	14+12.85	41.51	RT
617724.6359	742576.4004	L	14+14.00	42.08	RT
617733.9233	742593.9252	L	14+33.67	39.57	RT
617648.0936	742725.6469	L	15+29.90	165.99	RT
617688.0580	742734.8034	L	15+53.44	131.25	RT
617671.0110	742805.0377	L	16+19.87	169.08	RT
617803.0629	742788.3021	L	16+42.49	37.90	RT
617602.8143	742877.0936	L	16+68.83	255.36	RT
617649.2847	742865.6126	L	16+71.44	207.57	RT
617595.4690	742918.7510	L	17+06.52	274.57	RT
617626.0551	742930.3786	L	17+26.58	248.72	RT
617949.7982	743073.8579	L	19+48.97	37.00	LT
617880.3191	743087.7057	L	19+65.00	32.00	RT
617870.1425	743134.2947	L	20+17.68	36.00	RT
617941.5904	743149.2678	L	20+17.68	37.00	LT
617846.5389	743246.9248	L	21+32.76	36.00	RT
617917.9868	743261.8979	L	21+32.76	37.00	LT
617850.4538	743247.7453	L	21+32.76	32.00	RT
617812.1090	743302.7258	L	21+85.00	63.00	RT
617843.0656	743304.3659	L	21+85.00	32.00	RT
617820.3255	743402.7570	L	22+70.00	62.00	RT
617839.3504	743434.0937	L	23+00.00	51.00	RT
617865.0993	743451.6085	L	23+22.00	32.00	RT
617826.5852	743465.6678	L	23+22.00	73.00	RT
617969.7571	743502.6191	L	24+17.28	37.00	LT
617916.6273	743546.8230	L	24+21.30	32.00	RT
617942.7587	743584.8428	L	24+70.00	32.00	RT
617945.3352	743616.0052	L	25+00.00	45.75	RT
618110.9869	743867.3914	L	27+89.25	47.75	LT
618149.2111	743907.8222	L	28+26.00	85.64	LT
618143.9878	743929.2415	L	28+45.00	81.21	LT
618110.2727	743932.8683	L	28+50.00	47.75	LT
617997.5725	744043.3573	L	29+77.55	45.75	RT
617990.7630	744066.1065	L	30+03.22	45.75	RT
618076.2671	744105.3036	L	30+13.49	47.75	LT
617982.6353	744085.5364	L	30+25.00	47.25	RT
617983.5817	744085.8592	L	30+25.00	46.25	RT
618051.9422	744176.6192	L	30+88.84	47.75	LT
618048.2602	744196.7068	L	31+09.04	50.75	LT
617924.1701	744260.0416	L	32+09.04	46.25	RT
618013.1495	744299.6439	L	32+17.56	50.77	LT
617917.4638	744279.3345	L	32+30.00	46.25	RT
617916.5225	744278.9970	L	32+30.00	47.25	RT
618057.8151	744370.8345	L	32+67.00	117.00	LT
618030.6036	744360.5636	L	32+67.00	87.91	LT
617895.6376	744333.5563	L	32+90.00	47.75	RT
617759.5193	744603.6932	L	36+01.30	49.75	RT
617852.5494	744719.6504	L	36+52.00	90.00	LT
617628.6746	744818.7266	L	38+53.01	49.75	RT
617689.2375	744921.9164	L	39+10.00	55.47	LT
617534.0175	744977.5604	L	40+37.00	49.75	RT
617529.6990	744975.0404	L	40+37.00	54.75	RT
617480.0226	745061.1431	L	41+35.86	54.75	RT
617473.0489	745073.3496	L	41+50.00	54.75	RT
617526.0653	745190.5337	L	42+25.00	49.75	LT
617410.3529	745174.9257	L	42+70.00	58.00	RT
617399.7060	745203.2894	L	43+00.00	52.75	RT
617292.5407	745601.8117	L	46+95.00	66.00	LT
617278.8973	745592.9844	L	46+95.00	49.75	LT
617092.7833	745688.8975	L	48+77.60	52.75	RT
617095.2719	745690.5729	L	48+77.60	49.75	RT

ROW IRON PIN AND CAP					
NORTHING	EASTING	Alignment	Station	Offset	LOC
617177.8105	745746.1393	L	48+77.60	49.75	LT
617191.2904	745755.2142	L	48+77.60	66.00	LT
617083.4408	745943.3625	L	51+11.57	49.75	LT
616925.3911	746107.4051	L	53+15.00	52.75	RT
616872.2399	746279.1904	L	54+94.82	52.75	RT
616970.1605	746309.4857	L	54+94.82	49.75	LT
616967.0821	746325.6031	L	55+10.00	51.75	LT
616917.0885	746441.8851	L	56+28.00	51.75	LT
616862.0999	746526.3164	L	57+22.00	49.75	LT
616804.5399	746596.7289	L	58+06.97	49.75	LT
616729.2622	746527.1623	L	58+06.97	52.75	RT
616731.4655	746529.1984	L	58+06.97	49.75	RT
616771.7572	746632.2029	L	58+55.27	49.75	LT
616513.0558	746765.5385	L	61+28.77	49.75	RT
616280.2782	747014.0438	L	64+69.27	52.05	RT
616298.2278	747143.7606	L	65+51.00	49.75	LT
616348.7745	747209.9874	L	65+62.11	132.22	LT
616218.5730	747082.8483	L	65+63.45	49.75	RT
616350.9494	747219.6653	L	65+67.00	140.59	LT
616320.6788	747308.3233	L	66+42.00	183.85	LT
616269.6222	747284.4387	L	66+62.00	132.00	LT
616280.8514	747310.5139	L	66+70.00	159.00	LT
615882.1750	747335.2818	L	70+00.00	49.75	RT
615796.8164	747375.6598	L	70+97.73	52.00	RT
615839.5184	747468.0156	L	70+97.73	49.75	LT
615727.6263	747410.1297	L	71+75.00	49.75	RT
615647.3495	747667.9612	L	73+56.07	150.59	LT
615641.0592	747659.2321	L	73+58.12	140.02	LT
615529.0191	747670.6857	L	74+64.62	103.40	LT
615530.2687	747688.7830	L	74+71.08	120.35	LT
615530.9478	747698.6192	L	74+74.59	129.56	LT
615483.4667	747632.6412	L	74+90.00	49.75	LT
615434.8148	747691.7780	L	75+58.98	83.01	LT
615447.1356	747718.7533	L	75+59.12	112.66	LT
615254.0493	747744.0792	L	77+45.00	54.62	LT
615174.8539	747775.3327	L	78+30.00	49.75	LT
615191.4231	747815.2335	L	78+31.71	92.92	LT
615176.9290	747784.5490	L	78+31.99	58.99	LT
615172.9840	747776.1972	L	78+32.06	49.75	LT
615108.0343	747696.6068	L	78+57.62	49.75	RT
614988.2082	747852.8853	L	80+25.00	53.99	LT
614679.7555	747901.1179	L	83+25.02	49.75	LT
614419.6167	747784.2652	L	85+93.06	49.75	RT
613701.0442	747639.1656	L	93+26.00	64.02	RT
613698.4991	747653.1690	L	93+26.00	49.78	RT
613600.1494	747635.0751	L	94+26.00	50.00	RT
613577.2038	747732.2889	L	94+31.19	49.75	LT
613532.3936	747747.4679	L	94+75.00	72.00	LT
613534.8683	747730.6489	L	94+75.00	55.00	LT
613498.0940	747605.8073	L	95+27.00	64.25	RT
613343.9590	747742.4260	L	96+75.22	80.00	LT
613342.8147	747598.1805	L	96+75.22	64.25	RT
613328.0600	747600.7976	L	96+90.00	61.75	RT
613328.0402	747598.2977	L	96+90.00	64.25	RT
613214.2277	747748.4552	L	98+05.00	85.00	LT
613159.2850	747755.8913	L	98+60.00	92.00	LT
613155.0654	747602.1699	L	98+63.00	61.75	RT
613144.9289	747584.9998	L	98+73.00	79.00	RT
613135.5661	747602.3246	L	98+82.50	61.75	RT
613132.9711	747791.1351	L	98+86.59	127.03	LT
613111.2302	747840.4031	L	99+08.72	176.13	LT
613039.2568	747752.8256	L	99+80.00	87.98	LT
613036.2764	747837.7733	L	99+83.65	172.90	LT
613013.0699	747603.2964	L	100+05.00	61.75	RT
613012.5080	747721.5545	L	100+06.50	56.50	LT
613007.5042	747721.0942	L	100+11.50	56.00	LT
612993.1617	747615.4547	L	100+25.00	49.75	RT
612993.1043	747607.7049	L	100+25.00	57.50	RT
612891.8715	747616.2582	L	101+26.30	49.75	RT
612839.0374	747722.9200	L	101+81.00	56.00	LT
612839.7439	747749.9108	L	101+81.00	83.00	LT
612759.8594	747620.1651	L	102+56.22	49.75	RT
612707.6651	747621.7873	L	103+07.56	51.25	RT
612602.7040	747765.5410	L	104+25.37	82.75	LT
612556.7514	747635.8922	L	104+56.60	51.25	RT
612463.9957	747646.8916	L	105+50.00	51.25	RT
612381.3227	747779.7667	L	106+47.75	70.97	LT
612371.5803	747759.5582	L	106+55.04	49.75	LT
612344.4184	747657.5470	L	106+70.00	54.75	RT
612150.7752	747680.5100	L	108+65.00	54.75	RT
612151.0107	747682.4961	L	108+65.00	52.75	RT
611763.7283	747728.4216	L	112+55.00	52.75	RT
611760.8989	747831.9753	L	112+70.00	49.75	LT
611687.6851	747737.4391	L	113+31.58	52.75	RT
611651.5306	747849.9797	L	113+80.73	54.75	LT
611535.6818	747758.4853	L	114+85.00	49.75	RT

REVISIONS

2. SEP 2025 13:17
B:\projects\2024\24-03964\24-03964-010\Design\Working Files\R5600_OC_250827\R5600_LS_RW03E-3_JMT-1.dgn
B:\projects\2024\24-03964\24-03964-010\Design\Working Files\R5600_OC_250827\R5600_LS_RW03E-3_JMT-1.dgn
6/2/2025

PERMANENT EASEMENT IRON PIN AND CAP					
NORTHING	EASTING	Alignment	Station	Offset	LOC
617683.7496	742265.6853	L	11+10.00	23.95	RT
617672.7149	742266.3344	L	11+10.00	35.00	RT
617683.6887	742432.0975	L	12+72.00	42.00	RT
617712.0113	742467.2750	L	13+10.00	21.00	RT
617686.6789	742473.1042	L	13+10.00	46.99	RT
617763.2415	742462.3103	L	13+17.00	30.00	LT
617744.7763	742466.7867	L	13+17.00	11.00	LT
617729.3486	742494.6209	L	13+40.00	11.00	RT
617689.0801	742506.0334	L	13+40.00	52.85	RT
617741.7531	742533.4116	L	13+80.00	11.00	RT
617683.0044	742559.1589	L	13+84.00	75.00	RT
617692.7802	742556.7756	L	13+85.00	65.00	RT
617683.7423	742572.5739	L	13+96.00	79.00	RT
617693.2220	742572.2078	L	13+99.00	70.00	RT
617717.6688	742563.7894	L	13+99.74	44.16	RT
617717.6274	742643.9791	L	14+74.77	72.47	RT
617768.2272	742792.7825	L	16+36.58	72.53	RT
617810.3940	742966.4616	L	18+15.00	83.00	RT
617825.6944	742961.7820	L	18+15.00	67.00	RT
617822.0965	743006.1409	L	18+61.00	83.00	RT
617950.0561	743000.1316	L	18+83.00	43.47	LT
617965.1040	743015.0955	L	18+98.00	56.00	LT
617951.5613	743025.9640	L	19+06.00	41.22	LT
617868.8098	743045.0228	L	19+17.00	43.00	RT
617876.2298	743106.4267	L	19+86.00	34.47	RT
617927.1676	743218.0897	L	20+88.00	37.00	LT
617939.8912	743220.7562	L	20+88.00	50.00	LT
617853.0532	743215.8402	L	21+01.00	36.00	RT
617922.0398	743242.5582	L	21+13.00	37.00	LT
617934.7634	743245.2246	L	21+13.00	50.00	LT
617828.3975	743245.7752	L	21+35.00	54.00	RT
617835.0768	743303.9426	L	21+85.00	40.00	RT
617853.0210	743478.1561	L	23+40.00	53.00	RT
617890.7438	743507.1780	L	23+78.00	32.00	RT
617867.2422	743520.4698	L	23+78.00	59.00	RT
618012.1611	743544.9338	L	24+73.00	48.00	LT
618060.7679	743544.3816	L	24+95.00	90.00	LT
618080.4346	743534.4530	L	24+96.00	112.00	LT
618082.7988	743557.3357	L	25+14.00	103.00	LT
618075.2473	743566.5822	L	25+18.00	92.00	LT
617911.1062	743665.0790	L	25+31.00	99.00	RT
617954.8785	743743.3537	L	26+36.00	87.00	RT
617943.1931	743765.0587	L	26+57.05	104.10	RT
618001.8853	743792.1309	L	27+02.00	52.65	RT
618171.9671	743768.1346	L	27+08.00	119.00	LT
618129.0722	743828.5910	L	27+55.00	68.40	LT
618157.6531	743827.0309	L	27+56.00	97.00	LT
618193.0429	743829.8246	L	27+61.00	132.00	LT
618172.4121	743835.1453	L	27+64.00	111.00	LT
618012.8142	743860.8782	L	27+78.00	50.00	RT
618140.5181	743898.6274	L	28+18.00	76.81	LT
618015.0694	743950.2431	L	28+75.00	45.75	RT
618107.7501	743962.9519	L	28+78.00	47.75	LT
618122.9136	743964.5746	L	28+78.00	63.00	LT
617872.0868	743967.8383	L	29+21.00	185.00	RT
617889.5881	743977.6252	L	29+30.00	166.00	RT
617880.0551	744009.5903	L	29+75.86	168.01	RT
617848.4312	744003.9345	L	29+80.16	200.00	RT
617839.6414	744017.2389	L	30+03.01	204.58	RT
617868.2016	744028.2893	L	30+05.48	174.00	RT
617880.6148	744032.1551	L	30+05.24	161.00	RT
617966.0276	744097.8292	L	30+42.00	46.25	RT
617976.4808	744106.6775	L	30+47.00	46.25	RT
618164.3202	744222.1570	L	30+95.66	168.81	LT
618152.7065	744239.0306	L	31+15.38	163.27	LT
618222.4666	744267.2988	L	31+19.61	238.42	LT
618244.5025	744284.9993	L	31+29.25	264.99	LT
618232.6110	744301.6669	L	31+48.86	259.11	LT
618071.1193	744184.3902	L	30+90.00	68.41	LT
618072.3675	744206.4756	L	31+10.50	76.72	LT
617912.1027	744255.9256	L	32+09.04	59.00	RT
618044.6243	744348.9589	L	32+52.00	97.00	LT
618063.3940	744355.8654	L	32+52.00	117.00	LT
617885.1655	744329.4458	L	32+90.00	59.00	RT
617790.6914	744460.3385	L	34+55.00	92.00	RT
617662.5051	744695.3163	L	37+30.00	85.00	RT
617692.6184	744713.6398	L	37+30.00	49.75	RT
617653.6682	744709.8390	L	37+47.00	85.00	RT
617683.7815	744728.1625	L	37+47.00	49.75	RT
617749.2450	744847.5955	L	38+15.00	68.26	LT
617710.2688	744934.5500	L	39+10.00	80.00	LT
617643.8195	745049.6742	L	40+44.00	81.43	LT
617640.5165	745082.1406	L	40+74.00	94.87	LT
617628.6641	745076.4286	L	40+75.00	81.76	LT
617533.6150	745187.9437	L	42+19.00	54.97	LT
617421.6331	745365.7790	L	44+28.00	49.75	LT
617432.3519	745372.3148	L	44+28.00	62.30	LT
617425.0779	745385.5587	L	44+43.00	63.00	LT
617405.8986	745391.4967	L	44+58.00	49.75	LT
617416.7539	745398.1605	L	44+58.00	62.49	LT
617390.1222	745438.4781	L	45+06.00	61.00	LT
617393.1423	745477.1415	L	45+37.00	84.00	LT
617403.8107	745492.1447	L	45+44.00	101.00	LT
617385.1176	745489.9634	L	45+52.00	84.00	LT
617399.5213	745498.9931	L	45+52.00	101.00	LT
617229.2236	745448.4890	L	46+00.00	70.00	RT
617243.7949	745457.7215	L	46+00.00	52.75	RT

PERMANENT EASEMENT IRON PIN AND CAP					
NORTHING	EASTING	Alignment	Station	Offset	LOC
617327.1494	745517.6737	L	46+06.00	49.75	LT
617355.6468	745535.7538	L	46+06.00	83.50	LT
617213.5820	745474.0465	L	46+30.17	69.49	RT
617117.1190	745424.3130	L	46+40.29	177.56	RT
617083.4440	745407.1180	L	46+44.02	215.19	RT
617051.9243	745388.0809	L	46+45.00	252.00	RT
617074.0035	745402.2975	L	46+45.08	225.74	RT
617212.2376	745507.2038	L	46+59.00	52.75	RT
617198.5626	745498.4257	L	46+59.00	69.00	RT
617079.2194	745438.1187	L	46+73.00	202.00	RT
617201.4741	745523.9351	L	46+79.00	52.75	RT
617075.5044	745443.8840	L	46+80.00	202.00	RT
617031.3702	745420.0627	L	46+84.00	252.00	RT
617168.1525	745514.2475	L	46+89.00	86.00	RT
617307.0783	745611.2175	L	46+95.00	83.32	LT
617180.6351	745531.7750	L	46+97.00	66.00	RT
617155.8769	745524.0120	L	47+04.00	91.00	RT
617168.3354	745541.5549	L	47+12.00	71.00	RT
617255.2330	745691.7724	L	47+90.00	84.00	LT
617202.2100	745749.9295	L	48+67.19	72.11	LT
617186.8127	745776.7002	L	49+00.00	74.00	LT
617064.5360	745713.3156	L	49+11.00	63.30	RT
617163.2398	745792.3396	L	49+28.00	62.00	LT
617011.8321	745765.1435	L	49+76.00	84.00	RT
617026.9924	745772.8354	L	49+76.00	67.00	RT
617002.6713	745779.1229	L	49+91.00	86.00	RT
617023.2695	745789.0927	L	49+91.00	63.12	RT
617072.4626	746030.4375	L	51+98.00	65.00	LT
617061.8643	746037.6260	L	52+08.00	57.00	LT
617048.8588	746079.6600	L	52+52.00	57.00	LT
617038.6813	746088.0256	L	52+63.00	49.75	LT
617046.5627	746090.4641	L	52+63.00	58.00	LT
617054.4158	746146.2792	L	53+14.00	82.00	LT
617023.6068	746136.7468	L	53+14.00	49.75	LT
617034.4700	746159.9966	L	53+33.00	67.00	LT
617048.7998	746164.4303	L	53+33.00	82.00	LT
616912.3856	746149.4391	L	53+59.00	52.75	RT
616896.4077	746152.8697	L	53+67.00	67.00	RT
616886.0624	746186.3058	L	54+02.00	67.00	RT
616899.6756	746190.5178	L	54+02.00	52.75	RT
617001.9308	746341.9732	L	55+14.00	90.00	LT
616984.8873	746336.1836	L	55+14.00	72.00	LT
616976.2035	746351.7958	L	55+30.00	69.00	LT
616995.9280	746359.0030	L	55+30.00	90.00	LT
616949.5270	746372.9118	L	55+57.00	51.75	LT
616700.5645	746276.8864	L	55+65.00	215.00	RT
616732.7973	746290.5265	L	55+65.00	180.00	RT
616707.6278	746361.8106	L	56+65.00	170.00	RT
616808.0020	746422.4125	L	56+65.00	52.75	RT
616691.3090	746378.2328	L	56+95.00	175.00	RT
616793.1603	746445.8448	L	56+95.00	52.75	RT
616772.3898	746475.3177	L	57+34.00	52.75	RT
616652.6585	746399.3811	L	57+49.00	194.00	RT
616601.6965	746373.4357	L	57+66.00	250.00	RT
616720.1545	746525.5988	L	58+12.00	60.50	RT
616646.3071	746461.4622	L	58+15.02	158.26	RT
616706.6691	746533.5609	L	58+27.00	65.00	RT
616636.1651	746468.4058	L	58+27.00	161.00	RT
616591.6342	746451.7626	L	58+45.00	205.00	RT
616565.9296	746428.0082	L	58+45.00	240.00	RT
616648.0782	746591.0683	L	59+09.00	69.00	RT
616653.2191	746595.8192	L	59+09.00	62.00	RT
616732.2390	746677.0137	L	59+15.00	51.14	LT
616751.2309	746694.5648	L	59+15.00	77.00	LT
616731.5486	746715.8629	L	59+44.00	77.00	LT
616713.0695	746698.7857	L	59+44.00	51.84	LT
616425.4289	746597.7243	L	60+65.00	228.00	RT
616518.2239	746725.6895	L	60+96.00	73.00	RT
616429.6937	746652.0456	L	61+02.00	188.00	RT
616603.1157	746821.8419	L	61+09.00	54.60	LT
616620.7435	746849.0253	L	61+17.00	86.00	LT
616473.5715	746723.9118	L	61+25.00	107.00	RT
616623.2710	746877.2319	L	61+36.00	107.00	LT
616603.8774	746887.9038	L	61+57.00	100.00	LT
616266.7053	747005.2237	L	64+72.00	68.00	RT
616240.0689	747029.6267	L	65+08.00	71.00	RT
616324.8668	747178.6633	L	65+57.00	93.20	LT
616210.9284	747076.0000	L	65+64.00	60.00	RT
616290.5206	747181.6023	L	65+82.00	71.00	LT
616267.0040	747191.8443	L	66+05.00	62.00	LT
616249.7755	747236.4694	L	66+46.00	83.00	LT
616273.0451	747222.3650	L	66+46.00	64.00	LT
616229.1674	747230.7657	L	66+57.00	65.00	LT
616240.3407	747244.9169	L	66+58.00	83.00	LT
616135.4474	747160.3020	L	66+81.00	49.75	RT
616126.8014	747150.2616	L	66+81.00	63.00	RT
616112.5352	747179.6232	L	67+12.00	49.75	RT