

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

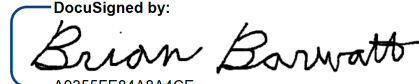
PRIMARY CONTROL TABLE				
POINT	DESC	NORTH	EAST	ELEVATION
G-101	30" IP & CAP	604630.9830	747531.2030	2042.91
G-102	30" IP & CAP	605763.4660	747584.2730	2063.24
G-103	30" IP & CAP	613216.3160	747762.8490	2220.27
G-104	30" IP & CAP	613483.6430	747135.0820	2232.80
G-105	30" IP & CAP	617828.3690	742667.5370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

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:

AG355FE84B94ACE
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

NOTES:

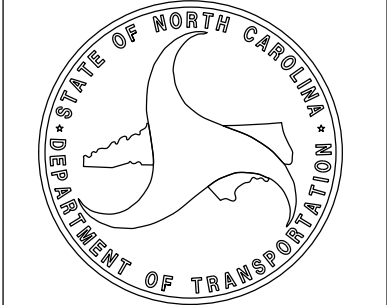
1. THE PROPOSED ALIGNMENT CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

R-5600

R/W

OZC-18

NORTH CAROLINA
DEPARTMENT
OF TRANSPORTATION



PROFESSIONAL LAND
SURVEYOR

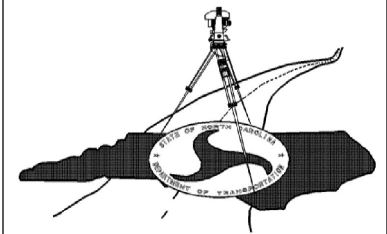


DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL SIGNATURES
ARE COMPLETED

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