

09/06/19

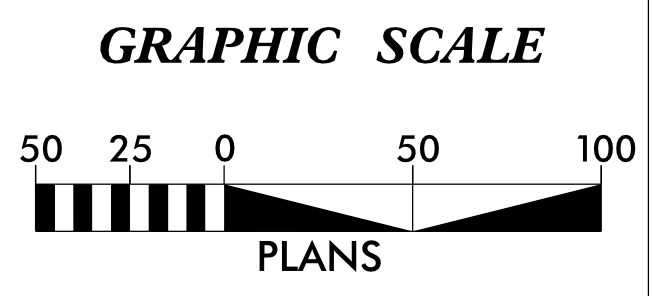
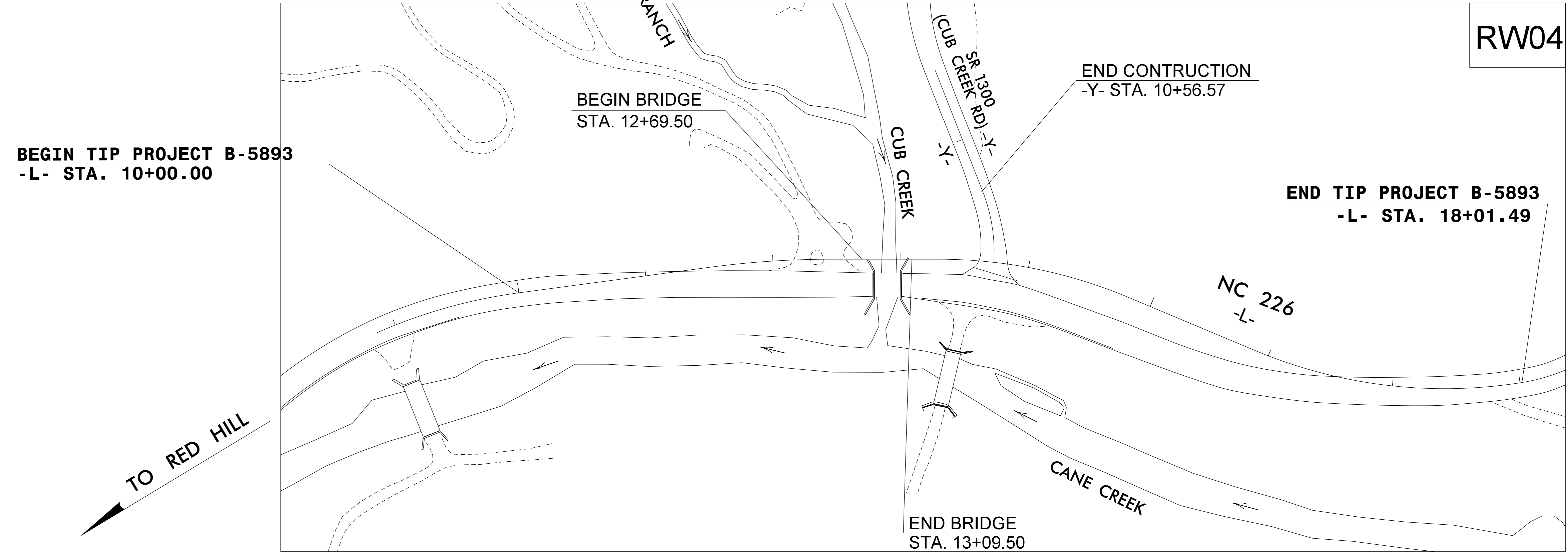
TIP PROJECT: B-5893

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-5893	RW01	07

STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS

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

MITCHELL COUNTY



DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "B5893-2" WITH NAD 83/NA 2011 STATE PLANE GRID COORDINATES OF NORTHING: 841,123.548(ft) EASTING: 1,058,670.102(ft) ELEVATION: 2,389.26(ft)

THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99985301

THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "B5893-2" TO -L- STATION 10+00 IS S 28-11°35.9' W 422.74(ft)

ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NAVD 88

Prepared in the Office of:

V&M
Vaughn & Melton

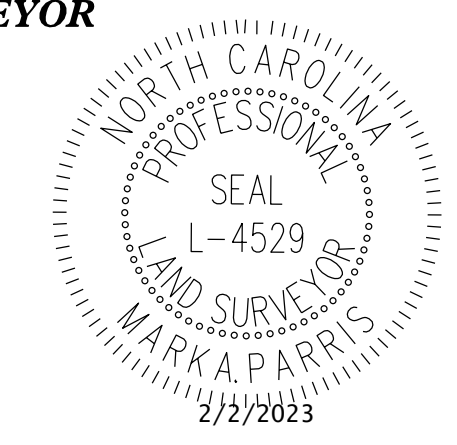
1318-F Patton Avenue
 Asheville, NC 28806
 Firm License # F-1088

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE: JUNE 4, 2019

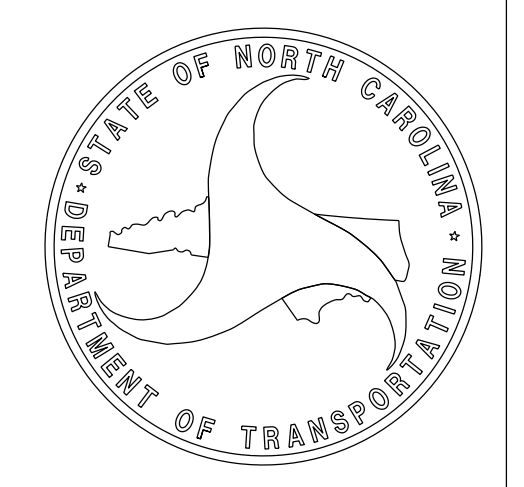
LETTING DATE: JUNE 20, 2023

PROFESSIONAL LAND SURVEYOR



DocuSigned by:
 Mark A. Parris
 SIGNATURE

Date:



\$\$\$\$\$ SYSTEM TIME\$\$\$\$\$
 \$\$\$ DDN\$\$\$\$\$
 \$\$\$ USERNAME\$\$\$\$\$

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

6/2/09

B5893-1

B5893-2

**SEE SHEET RW02C-3
FOR FURTHER
ALIGNMENT DETAILS**




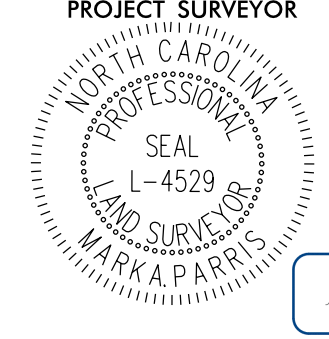
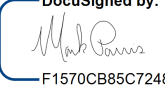
NOTES:

1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
2. THE SURVEY CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

REVISIONS

25-OCT-2018 14:23
V:\shelby\18\2018\21812-79 B-5893 Mtchbl1 019 Control\Work\B5893_1s_RW02C-1.dgn

PROPOSED ALIGNMENT CONTROL SHEET

PROJECT REFERENCE NO. B-5893	SHEET NO. RW02D-1
Location and Surveys	
	
PROJECT SURVEYOR 	
DocuSigned by:  F1570C8B6C7248A	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

REVISIONS

L			
TYPE	STATION	NORTH	EAST
PC	8+83.64	840772.2100	1058356.3680
PT	10+00.00	840750.9594	1058470.3778
PC	11+50.43	840702.7194	1058612.8645
PT	12+45.09	840666.4935	1058700.2437
PC	13+29.70	840628.9646	1058776.0704
PT	14+81.57	840536.6580	1058895.4086
PC	15+88.94	840455.4873	1058965.6938
PT	18+01.49	840340.6885	1059141.3186
PC	18+01.49	840340.6885	1059141.3186
PT	18+61.46	840335.1038	1059200.6047

Y			
TYPE	STATION	NORTH	EAST
PC	10+00.00	840607.8146	1058813.3769
PT	10+56.57	840661.3746	1058830.1620
POT	11+58.05	840762.4725	1058838.8884

NOTES:

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P:\IN\2019\10356\1\NCS\031200-040 b5893.con.vam\Survey\Data - Work\OLD FILES\B5893.1s.rw02d-1.dgn
11/16/2019 10:36 AM
jsgordon

RIGHT OF WAY CONTROL SHEET

PROJECT REFERENCE NO. B-5893	SHEET NO. RW03E-1
Location and Surveys	
PROJECT SURVEYOR	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

REVISIONS

ROW MARKER CONCRETE OR GRANITE -E				
ALIGN	STATION	OFFSET	NORTH	EAST
L	10+00.00	30.00	840722.5437	1058460.7574
L	10+00.00	-30.00	840779.3750	1058479.9981
L	10+00.00	-13.00	840763.2728	1058474.5466
L	10+00.00	13.00	840738.6504	1058466.2105
L	11+50.43	27.10	840677.0466	1058604.1728
L	11+50.43	-30.00	840731.1350	1058622.4849
L	11+50.43	30.00	840674.3037	1058603.2442
L	12+45.09	32.81	840637.0879	1058685.6900
L	12+45.09	-30.00	840693.3806	1058713.5509
L	12+66.34	45.93	840615.8980	1058698.9150
L	13+11.74	46.56	840595.1953	1058739.3246
L	13+29.70	34.87	840597.7090	1058760.6010
L	13+29.70	-30.00	840655.8518	1058789.3776
L	13+43.90	-30.00	840648.8015	1058802.9803
L	13+72.60	38.56	840575.3905	1058792.5015
L	13+89.08	-40.00	840631.2733	1058850.1114
L	14+81.57	44.38	840507.6065	1058861.8577
L	14+81.57	-30.00	840556.2959	1058918.0879
L	14+81.57	-40.00	840562.8418	1058925.6477
L	15+88.94	36.79	840431.4075	1058937.8847
L	15+88.94	-30.00	840475.1252	1058988.3732
L	16+25.45	30.00	840407.3540	1058970.1763
L	18+01.49	30.00	840312.0346	1059132.4332
L	18+01.49	-30.00	840369.3420	1059150.2054
L	18+10.00	30.00	840309.2816	1059142.3273
L	18+10.00	13.00	840325.7861	1059146.4018
L	18+10.00	-13.00	840351.0283	1059152.6334
L	18+10.00	-30.00	840367.5328	1059156.7078

ROW MARKER PERMANENT EASEMENT -E				
ALIGN	STATION	OFFSET	NORTH	EAST
L	10+95.00	30.00	840692.0793	1058550.7403
L	10+95.00	45.00	840677.8715	1058545.9301
L	11+30.00	45.00	840666.6477	1058579.0817
L	11+30.00	30.00	840680.8556	1058583.8919
L	12+30.00	55.00	840623.2441	1058663.3027
L	12+30.00	32.57	840643.5533	1058672.8232
L	12+75.00	-60.00	840707.0013	1058753.6628
L	12+75.00	-30.00	840680.1142	1058740.3555
L	16+27.19	30.00	840406.0618	1058971.5378
L	16+30.50	42.24	840394.6522	1058965.8102
L	17+67.00	42.50	840313.0840	1059092.6878
L	17+67.00	47.00	840308.9236	1059090.9727
L	17+71.00	47.50	840306.7691	1059094.9490
L	17+71.00	42.50	840311.4114	1059096.8061
L	18+54.00	13.00	840321.4788	1059193.9683
L	18+54.00	33.50	840301.0174	1059195.2265

ROW MARKER PERMANENT EASEMENT -E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y	10+73.34	-25.00	840680.2244	1058806.6961

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 1/26/23 to 1/27/23, and all coordinates are based on NAD83/2011. That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 27th day of January, 2023.

 Professional Land Surveyor L-4529

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 1/26/23 TO 1/27/23 .

Location and Surveys



PROJECT SURVEYOR



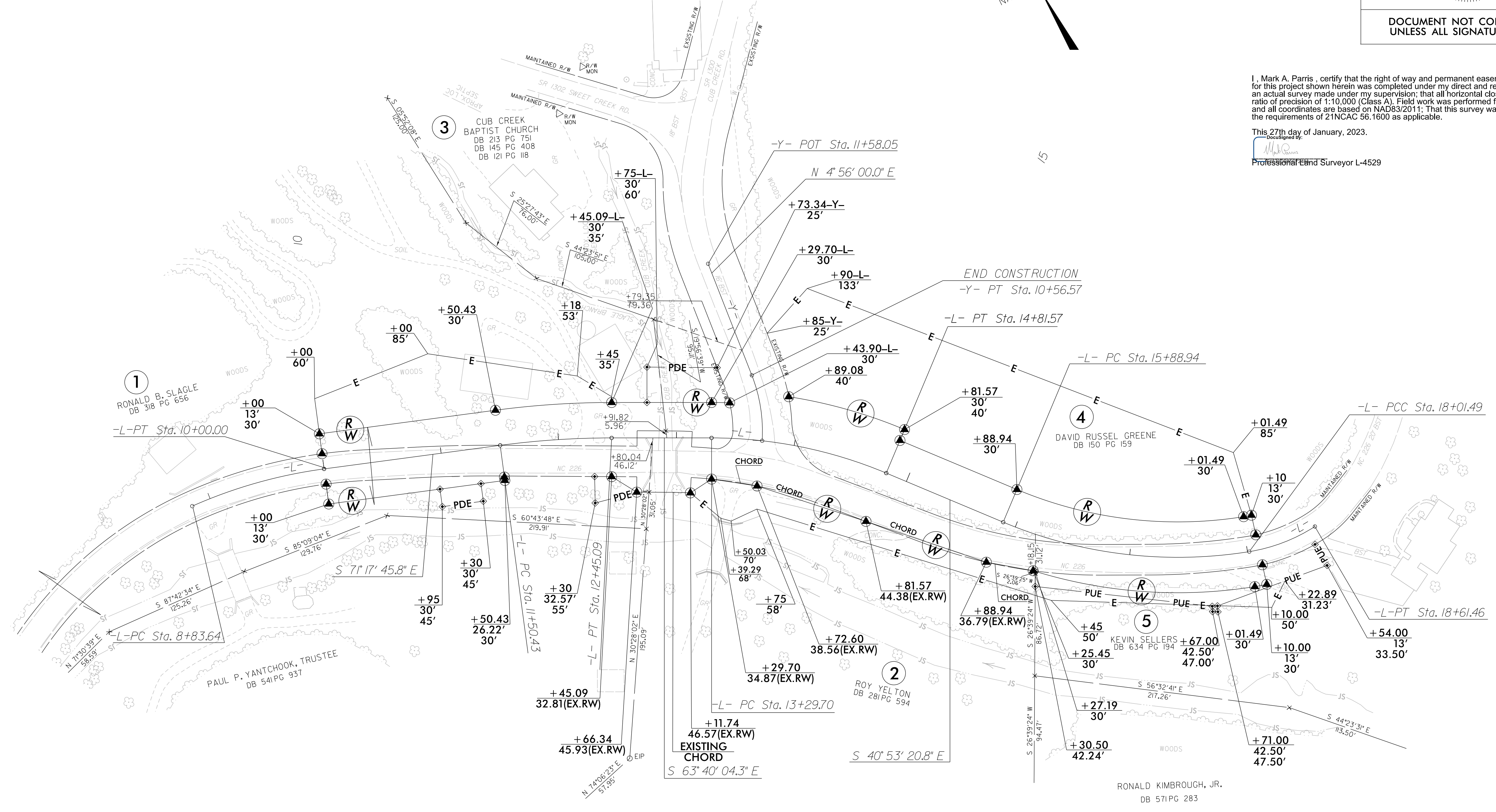
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

-Y-

PI Sta 10+28.74
 $\Delta = 24' 56" 03.1" (LT)$
 $D = 44' 04" 25.2"$
 $L = 56.57'$
 $T = 28.74'$
 $R = 130.00'$

-L-

PI Sta 9+42.21 $\Delta = 16' 17" 27.9" (RT)$ $D = 14' 00" 00.0"$ $L = 116.36'$ $T = 58.58'$ $R = 409.26'$	PI Sta 11+97.83 $\Delta = 7' 37" 41.6" (RT)$ $D = 8' 03" 30.5"$ $L = 94.66'$ $T = 47.40'$ $R = 711.00'$	PI Sta 14+06.65 $\Delta = 22' 46" 43.5" (RT)$ $D = 14' 59" 56.0"$ $L = 151.87'$ $T = 76.95'$ $R = 382.00'$	PI Sta 16+98.04 $\Delta = 31' 52" 46.1" (LT)$ $D = 14' 59" 56.0"$ $L = 212.55'$ $T = 109.10'$ $R = 382.00'$	PI Sta 18+31.91 $\Delta = 23' 41' 57.2" (LT)$ $D = 39' 30' 51.5"$ $L = 59.98'$ $T = 30.42'$ $R = 145.00'$
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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 1/26/23 to 1/27/23, and all coordinates are based on NAD83/2011. That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 27th day of January, 2023.

[Signature]
 Professional Land Surveyor L-4529

REVISIONS

7-FEB-2023 15:06
 V:\NCS\2023\1506-V031200-040 B5893.con.\Surveys\TO BE SENT\B5893.LS.rw04.dgn
 jgordon

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