

09/06/99

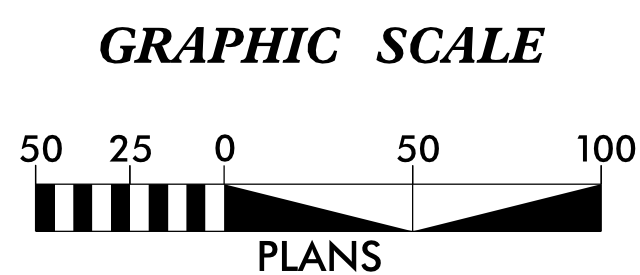
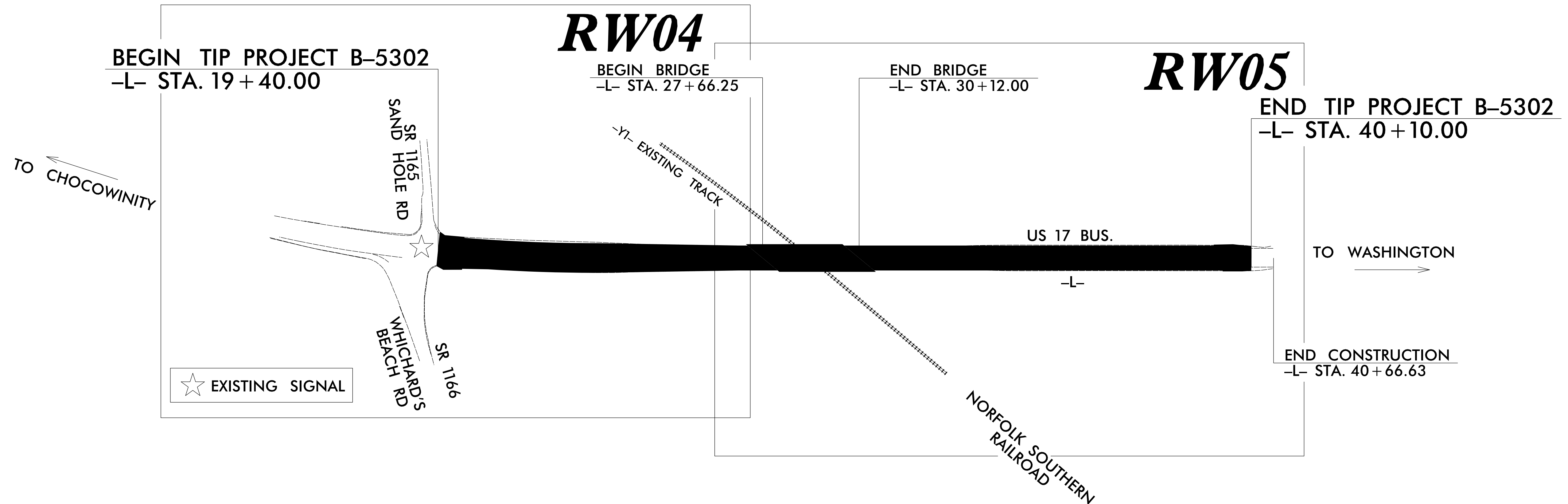
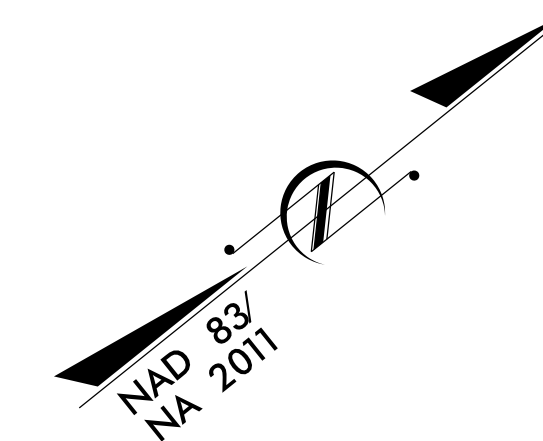
TIP PROJECT: B-5302

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-5302	RW01	06

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

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

BEAUFORT COUNTY



DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "B5302-1" WITH NAD 83/NA 2011 STATE PLANE GRID COORDINATES OF NORTHING: 654651.103(ft) EASTING: 2574040.082(ft) ELEVATION: 4.36(ft)
THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99989018
THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "B5302-1" TO -L- STATION 19+40.00 IS S 38-15°21.3" W 2339.97(ft)
ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
VERTICAL DATUM USED IS NAVD 88

Prepared in the Office of:

**DIVISION 2
LOCATION & SURVEYS**

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
05/22/2017

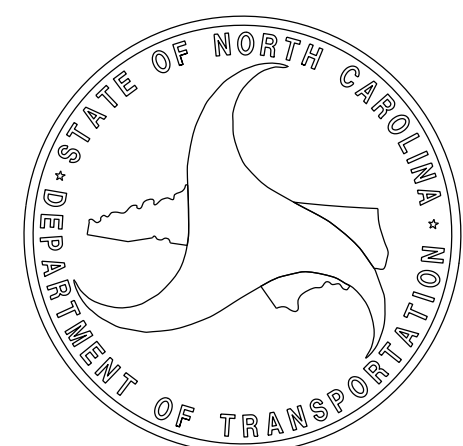
LETTING DATE:
04/20/2021

**PROFESSIONAL LAND
SURVEYOR**



DocuSigned by:
K.E. Reynolds

3/9/2021
Date:



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

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

I, Keith E. Honeycutt, PLS, certify that the Project Control was verified under my supervision from an actual GPS survey made under my supervision and the following information was used to perform the survey:

Class of survey: AA
 Type of GPS field procedure: VRS-RTN
 Dates of survey: August 2015
 Datum/Epoch: NAD 83/NA 2011
 Published/Fixed-control use: N/A
 Localized around: B-5302-1
 Northing: 654651.103
 Easting: 257404.082
 Combined grid factor: 0.99989018
 Geoid model:
 Units: US Survey Feet

I also certify that the Baseline Control for this project was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:20,000 (Class AA) and Vertical accuracy to Class A. Field work was performed from July 2015 to Sept. 2015, and all coordinates are based on NAD 83/2011 and all elevations are based on NAVD 88; that this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

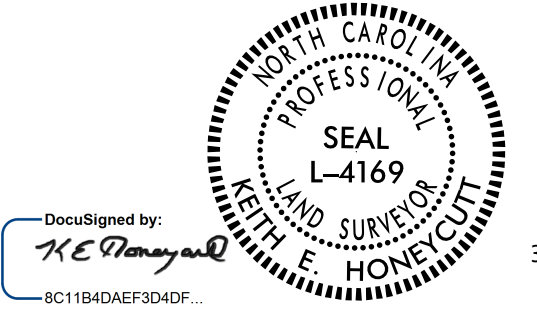
This 9th day of March, 2021.

DocuSigned by:
 KE Honeycutt
 BC1184DAEF3D4DF...
 Professional Land Surveyor L-4169

Location and Surveys

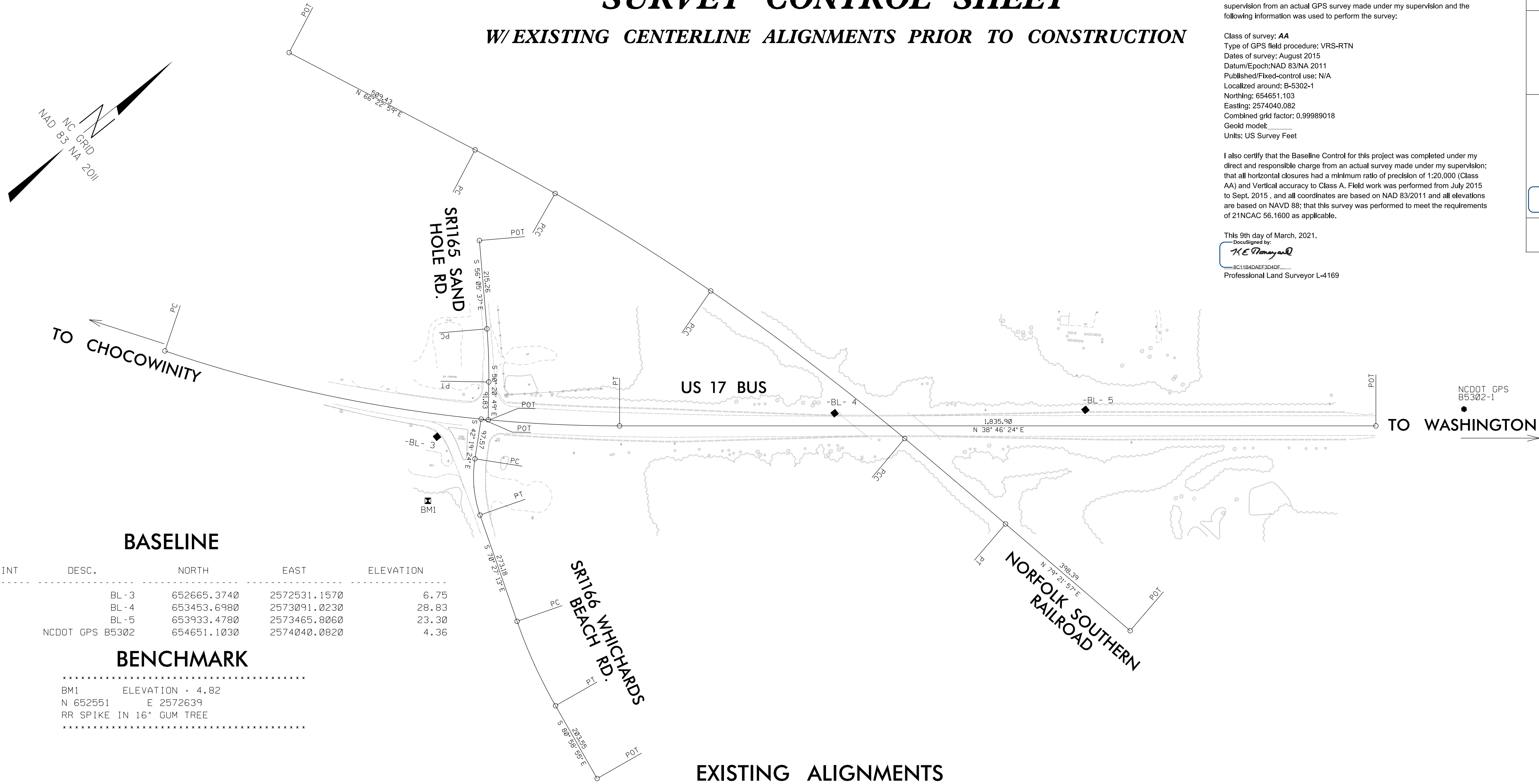
Division 2
 Location & Surveys

PROJECT SURVEYOR



3/9/2021

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



BASELINE

BL POINT	DESC.	NORTH	EAST	ELEVATION
3	BL-3	652665.3740	2572531.1570	6.75
4	BL-4	653453.6980	2573091.0230	28.83
5	BL-5	653933.4780	2573465.8060	23.30
GPS1	NCDOT GPS B5302	654651.1030	2574040.0820	4.36

BENCHMARK

.....
 BM1 ELEVATION - 4.82
 N 652551 E 2572639
 RR SPIKE IN 16' GUM TREE

EXISTING ALIGNMENTS

EL POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	651130.951	2570149.787							
LINE			N 57°29'53.7" E	2140.62					
PC	652281.160	2571955.133							
CURVE			N 48°08'08.7" E	1118.49	18°43'30.0"(LT)	01°40'00.1"	1123.48	566.79	3437.68
PT	653027.601	2572788.100							
LINE			N 38°46'23.7" E	1835.90					
POT	654458.924	2573937.814							

EY1 POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	653044.184	2572224.124							
LINE			S 56°05'37.3" E	215.26					
PC	652924.105	2572402.778							
CURVE			S 53°13'13.2" E	129.03	05°44'48.3"(RT)	04°27'06.8"	129.09	64.60	1287.00
PT	652846.849	2572506.125							
LINE			S 50°20'49.1" E	91.83					
POT	652788.250	2572576.825							

EY POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	652775.930	2572564.828							
LINE			S 42°19'24.4" E	97.57					
PC	652703.792	2572630.522							
CURVE			S 56°23'18.5" E	137.14	28°07'48.2"(LT)	20°18'24.7"	138.52	70.69	282.15
PT	652627.878	2572744.732							
LINE			S 70°27'12.6" E	273.18					
PC	652536.479	2573002.171							
CURVE			S 75°43'03.8" E	225.28	10°31'42.4"(LT)	04°40'00.9"	225.60	113.12	1227.70
PT	652480.902	2573220.488							
LINE			S 80°58'55.0" E	203.55					
POT	652448.996	2573421.525							


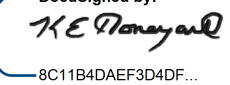
EY2 POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	652969.828	2571579.235							
LINE			N 66°22'58.9" E	509.43					
PC	653173.917	2572045.999							
CURVE			N 67°22'37.2" E	221.14	01°59'16.6"(RT)	00°53'56.2"	221.15	110.58	6373.77
PCC	653258.980	2572250.120							
CURVE			N 70°51'04.6" E	445.76	04°57'38.1"(RT)	01°06'45.0"	445.90	223.09	5150.19
PCC	653405.198	2572671.213							
CURVE			N 76°02'10.9" E	591.75	05°24'34.5"(RT)	00°54'49.8"	591.97	296.20	6269.81
PCC	653547.990	2573245.472							
CURVE			N 79°03'12.4" E	320.73	00°37'28.5"(RT)	00°11'41.0"	320.73	160.37	29422.30
PT	653608.895	2573560.369							
LINE			N 79°21'56.7" E	398.39					
POT	653682.414	2573951.920							

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

PROPOSED ALIGNMENT CONTROL SHEET

PROJECT REFERENCE NO.	SHEET NO.
B-5302	RW02D-1
Location and Surveys	
DIVISION 2 LOCATION & SURVEYS	
	
<small>DocuSigned by:</small>  <small>3/9/2021</small> <small>SC1184DAEF3D4DF</small>	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

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TYPE	STATION	NORTH	EAST
PC	10+00.00	652222.4834	2571863.0351
PT	23+39.93	653112.7374	2572856.4860
POT	40+66.63	654458.9243	2573937.8139

Y1

TYPE	STATION	NORTH	EAST
PC	10+00.00	653405.1982	2572671.2134
PCC	15+91.97	653547.9900	2573245.4723
PT	19+12.70	653608.8949	2573560.3691
POT	20+66.09	653637.2019	2573711.1278

I, Keith E. Honeycutt, PLS, certify that the data compiled came from available surveys/mapping performed by others and provided to me by NCDOT and do not certify to the accuracy or quality of the individual data sources.

This 9th day of March, 2021


DocuSigned by:


Professional Land Surveyor L-4169

REVISIONS

NOTES:

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PROJECT REFERENCE NO.	SHEET NO.
B-5302	RW04
Location and Surveys	
DIVISION 2 LOCATION & SURVEYS	
PROJECT SURVEYOR	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

I, Keith E. Honeycutt, 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 Oct. 17, 2018 to Oct. 23, 2018, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

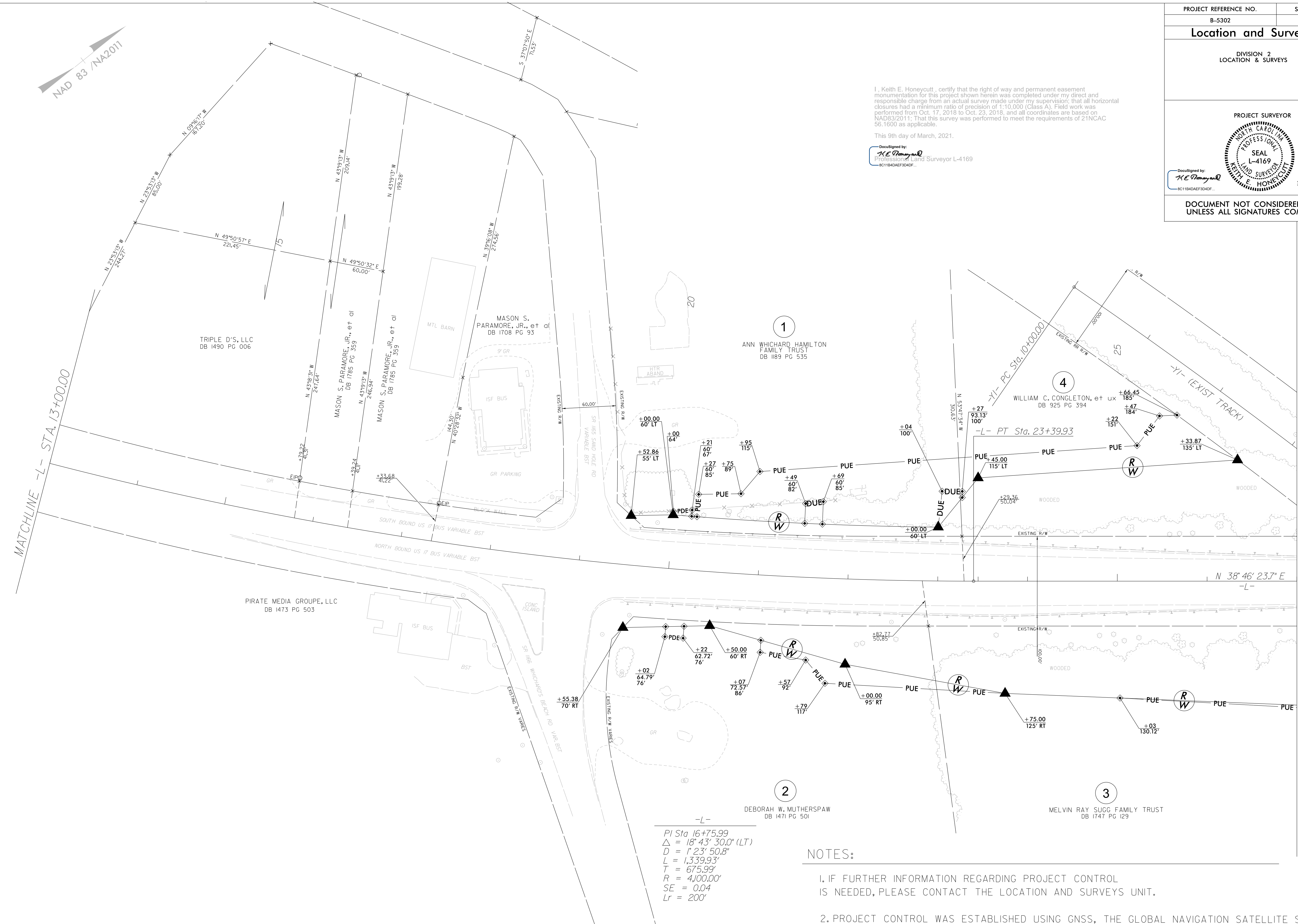
This 9th day of March, 2021.

DocuSigned by:
KE Honeycutt
Professional Land Surveyor L-4169
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DocuSigned by:
KE Honeycutt
8C1B4DAEF3D4DF

3/9/2021

REVISIONS



NOTES:

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- PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.

03-MAR-2021 16:08
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MATCHLINE -L- STA. 13+00.00

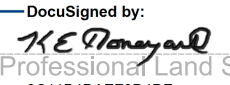
MATCHLINE -L- STA. 27+00.00
SEE SHEET RW05

Location and Surveys

DIVISION 2
LOCATION & SURVEYS

I, Keith E. Honeycutt, 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 Oct. 17, 2018 to Oct. 23, 2018, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 9th day of March, 2021.

DocuSigned by:

 Professional Land Surveyor L-4169
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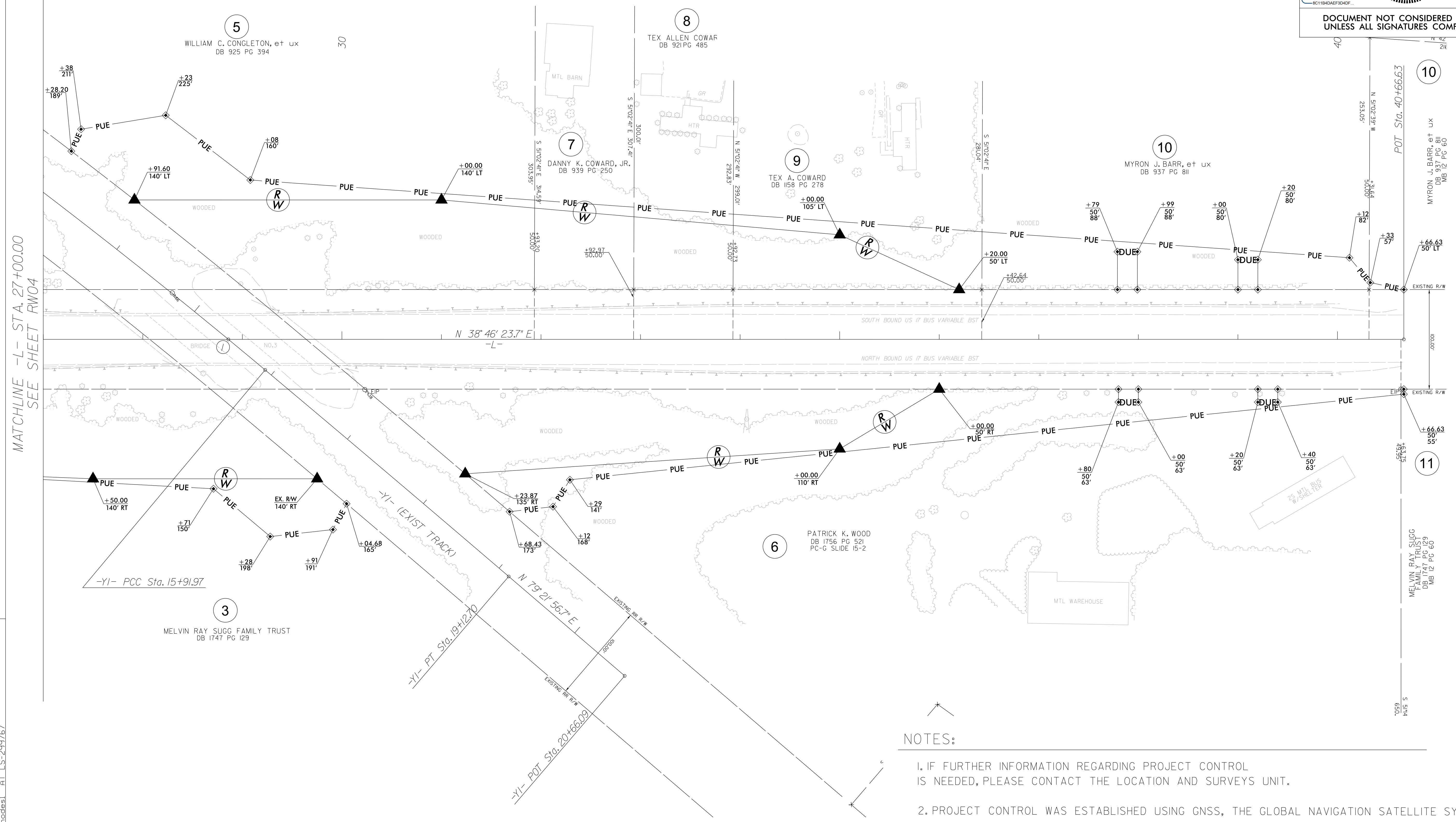
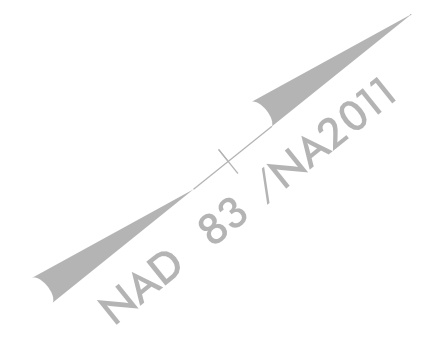
PROJECT SURVEYOR



DocuSigned by:

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REVISIONS

MATCHLINE -L- STA. 27+00.00
SEE SHEET RW04

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