

09/06/19

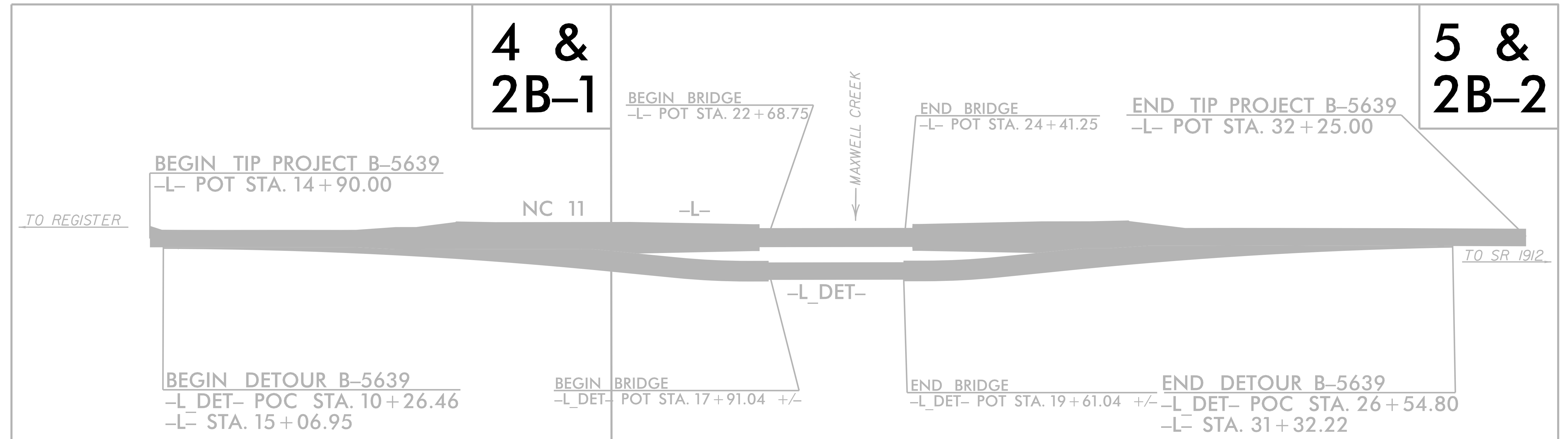
TIP PROJECT: B-5639

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	45594.1.1	RW01	01

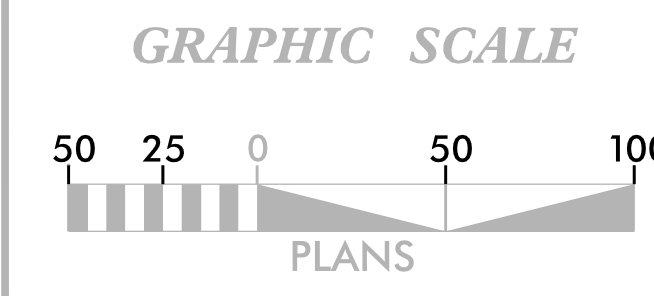
STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS

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

DUPLIN COUNTY



16-MAR-2020 14:38 H:\Duplin\B5639_0036\check\check c\l\shhets_200310\B5639_Is_rw01.dgn c:\sawyer AT LS-299904



DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCGS FOR MONUMENT "B5639-2" WITH NAD 83/NA 2011 STATE PLANE GRID COORDINATES OF NORTHING: 407,388.263(ft) EASTING: 2,310,130.698(ft) ELEVATION: 78.86(ft)

THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99989711

THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "B5639-2" TO -L- STATION 10+00.00 IS S 16-00'19.64" E 254.07(ft)

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

Prepared In the Office of:

LOCATION & SURVEYS
 5310 BARBADOS BOULEVARD, SUITE 102
 CASTLE HAYNE, NC 28429

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE: 11/27/2019

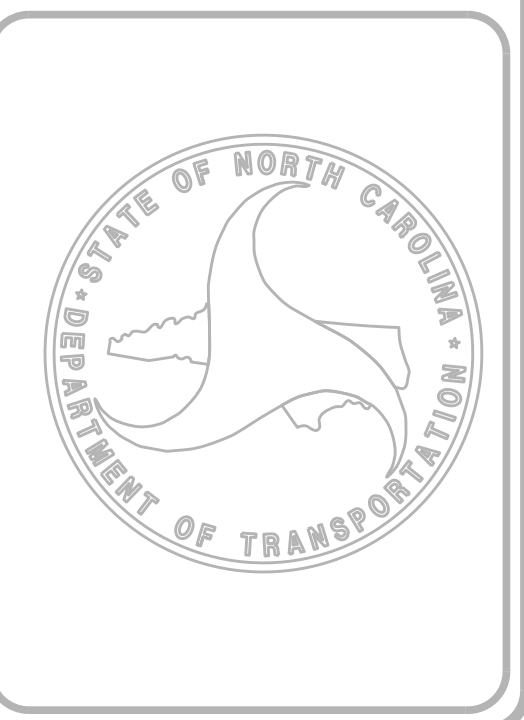
LETTING DATE: 07/21/2020

PROFESSIONAL LAND SURVEYOR

DocuSigned by:
 Christopher J. Sawyer
 2000030E1021467

3/17/2020

Date:



SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

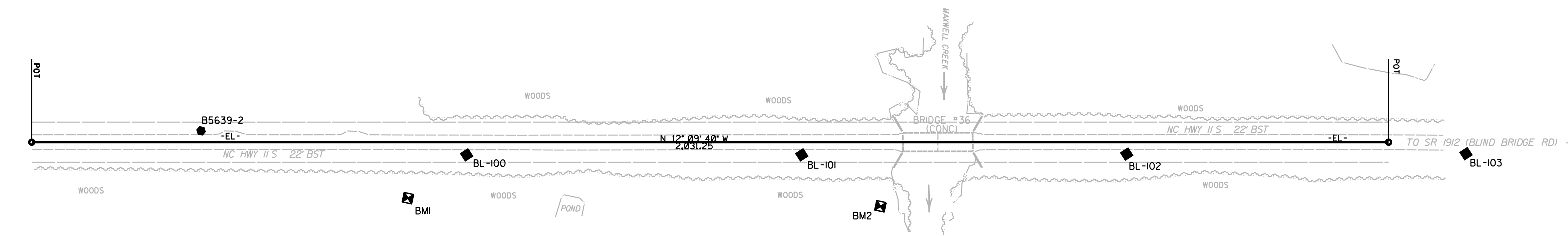
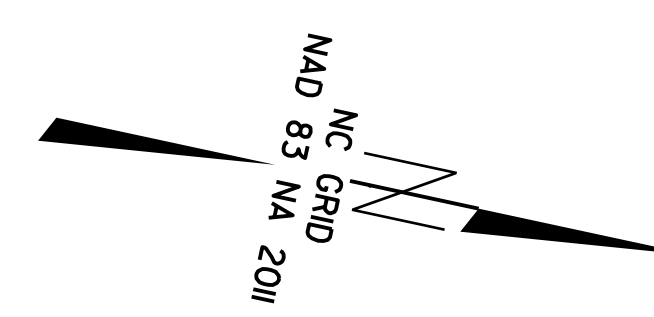
PROJECT REFERENCE NO.	SHEET NO.
B-5639	RW02C-1
Location and Surveys	
5310 BARBADOS BLVD., SUITE 102 CASTLE HAYNE, NC 28429	

BL	POINT	DESC.	NORTH	EAST	ELEVATION	BL STATION	OFFSET
B56391		GPS CAP & REBAR	406373.1490	2310350.6110	81.69	5+00.00	0.00
B56392		GPS CAP & REBAR	407388.2630	2310130.6980	78.86	15+38.66	0.00
BL100		TRV CAP & REBAR	407784.4380	2310082.0620	69.29	19+37.81	0.00
BL101		TRV CAP & REBAR	408274.8370	2309976.3520	66.72	24+39.47	0.00
BL102		TRV CAP & REBAR	408750.1170	2309872.7460	66.32	29+25.92	0.00
BL103		TRV CAP & REBAR	409246.5060	2309765.1360	64.86	34+33.83	0.00

EL	POINT	N	E	BEARING	DIST
POT		407144.046	2310200.751		
LINE				N 12°09'40.3" W	2031.25
POT		409129.712	2309772.843		

.....
 BM1 ELEVATION = 68.71
 N 407712 E 2310164
 BL STATION 18+56.00 73 RIGHT
 NAIL SET IN 13' PINE TREE

 BM2 ELEVATION = 59.55
 N 408406 E 2310027
 BL STATION 25+57.00 77 RIGHT
 NAIL SET IN 10' OAK TREE



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

I6-MAR-2020 15:57 H:\Duplicat\B5639_0036\Check\check c.tl sheets_200310\B5639_1s.rw02c-1.dgn C:\isowier AT LS-299904

PROPOSED ALIGNMENT CONTROL SHEET

PROJECT REFERENCE NO.	SHEET NO.
B-5639	RW02D-1
Location and Surveys	
5310 BARBADOS BLVD., SUITE 102 CASTLE HAYNE, NC 28429	

L

TYPE	STATION	NORTH	EAST
POT	10+00.00	407144.0462	2310200.7512
POT	33+00.00	409392.4314	2309716.2267

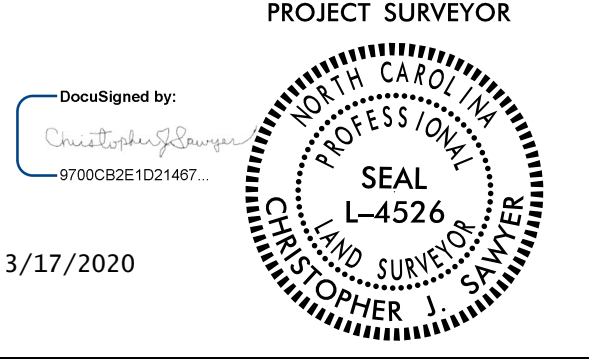
REVISIONS

NOTES:

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

6/2/09
I:\MAR-2000-LS-30
H:\Users\jcb\Documents\Projects\200310\B5639-LS-rw02d-1.dgn
c:\users\jcb\Documents\Projects\200310\B5639-LS-rw02d-1.dgn

RIGHT OF WAY CONTROL SHEET

PROJECT REFERENCE NO. B-5639	SHEET NO. RW03E-1
Location and Surveys	
5310 BARBADOS BLVD., SUITE 102 CASTLE HAYNE, NC 28429	
PROJECT SURVEYOR 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
L	17+50.00	-30.00	407870.89544	2310013.42732
L	17+50.00	30.00	407883.53521	2310072.08085
L	18+00.00	-45.00	407916.61344	2309988.23080
L	19+00.00	60.00	408036.48891	2310069.80819
L	19+50.00	-60.00	408060.08731	2309941.96799
L	27+00.00	-60.00	408793.25640	2309783.97088
L	27+00.00	60.00	408818.53594	2309901.27794
L	27+50.00	30.00	408861.09400	2309861.41803
L	27+55.00	-30.00	408853.34202	2309801.71119

I, Christopher J. Sawyer, a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work item(s) (R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures.

I further certify that the right of way and permanent easement points shown herein and outlined in the tables shown hereon (localized coordinates, station/offset) have been checked and are accurate representations of the right of way and permanent easement points depicted on the corresponding highway plans. I also certify that the right of way and permanent easement points shown herein have been field monumented under my supervision from existing survey control provided by others; that the depicted property data shown herein were surveyed by others; and these monuments denote the right of way and easement boundaries at the time of staking which may be subject to change due to right of way revisions (See deeds for final determination).

Witness my original signature, registration number and seal this 17th day of March, 2020.


 Professional Land Surveyor PLS # L-4526

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 MARCH 2020.

REVISIONS

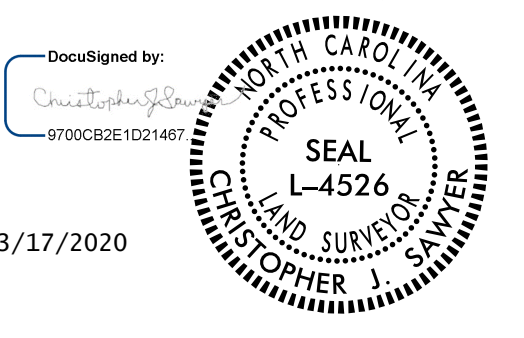
6/2/19

I:\MAR-2020\0317\0036\Check\check.ctb sheets_200310\B5639_LS_rw03e-200317.dgn
 H:\Users\jcsawyer\OneDrive\Documents\Projects\2020\0317\0036\Check\check.ctb sheets_200310\B5639_LS_rw03e-200317.dgn

6/2/19

I:\MAR-2020_IL05_0036\Final\Control_Sheets\RW_SHEETS\65639_1s_rw04_200317.dgn
H:\Users\jcr\OneDrive\Documents\Projects\65639_1s_rw04_200317.dgn
C:\Users\jcr\OneDrive\Documents\Projects\65639_1s_rw04_200317.dgn

REVISIONS

PROJECT REFERENCE NO. B-5639	SHEET NO. RW04
Location and Surveys	
5310 BARBADOS BLVD., SUITE 102 CASTLE HAYNE, NC 28429	
PROJECT SURVEYOR	
	
3/17/2020	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

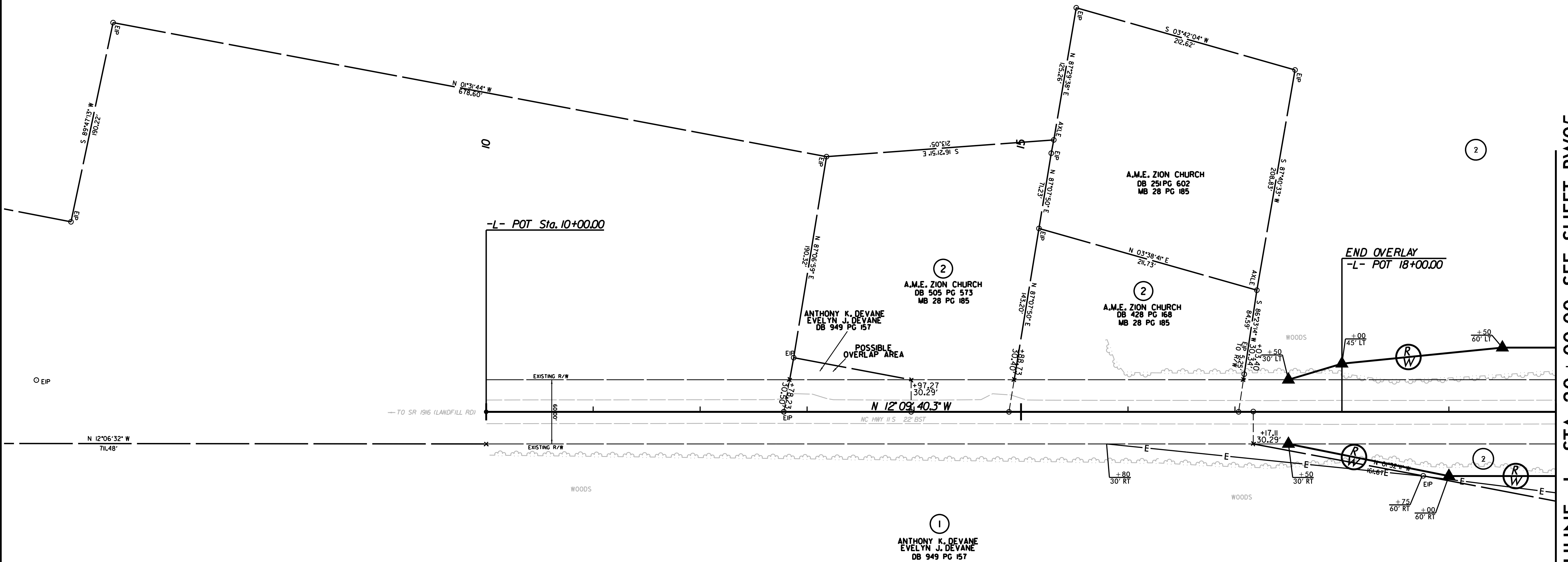
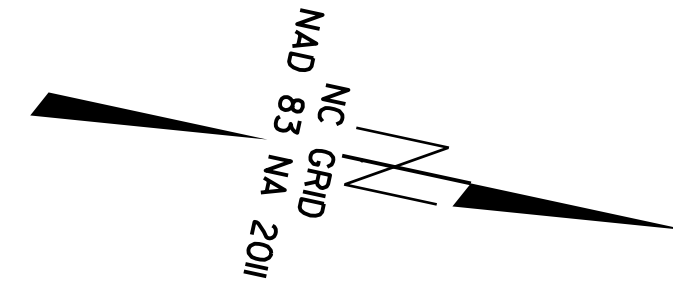
I, CHRISTOPHER J. SAWYER, a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work items (Base map Compilation, R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures.

I further 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.

I further certify that the right of way and permanent easement points shown herein and outlined in the tables shown hereon (localized coordinates, station/offset) have been checked and are accurate representations of the right of way and permanent easement points depicted on the corresponding highway plans. I also certify that the right of way and permanent easement points shown herein have been field monumented under my supervision from existing survey control provided by others; that the depicted property data shown herein were surveyed by others; and these monuments denote the right of way and easement boundaries at the time of staking which may be subject to change due to right of way revisions (See deeds for final determination).

Witness my original signature, registration number and seal this 17th day of March, 2020.

 Professional Land Surveyor PLS # L-4526



①
 ANTHONY K. DEVANE
 EVELYN J. DEVANE
 DB 949 PG 157

NOTES:

- IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
- PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
- RIGHT OF WAY MONUMENTATION ESTABLISHED MARCH 2020.

MATCHLINE -L- STA. 20+00.00 SEE SHEET RW05

6/2/19

PROJECT REFERENCE NO.	SHEET NO.
B-5639	RW05

Location and Surveys

5310 BARBADOS BLVD., SUITE 102
CASTLE HAYNE, NC 28429

PROJECT SURVEYOR

DocuSigned by:
Christopher J. Sawyer
9700C92E1D21467

3/17/2020

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

I, CHRISTOPHER J. SAWYER, a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work item(s) (Base map Compilation, R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures.

I further 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.

I further certify that the right of way and permanent easement points shown herein and outlined in the tables shown hereon (localized coordinates, station/offset) have been checked and are accurate representations of the right of way and permanent easement points depicted on the corresponding highway plans. I also certify that the right of way and permanent easement points shown herein have been field monumented under my supervision from existing survey control provided by others; that the depicted property data shown herein were surveyed by others; and these monuments denote the right of way and easement boundaries at the time of staking which may be subject to change due to right of way revisions (See deeds for final determination).

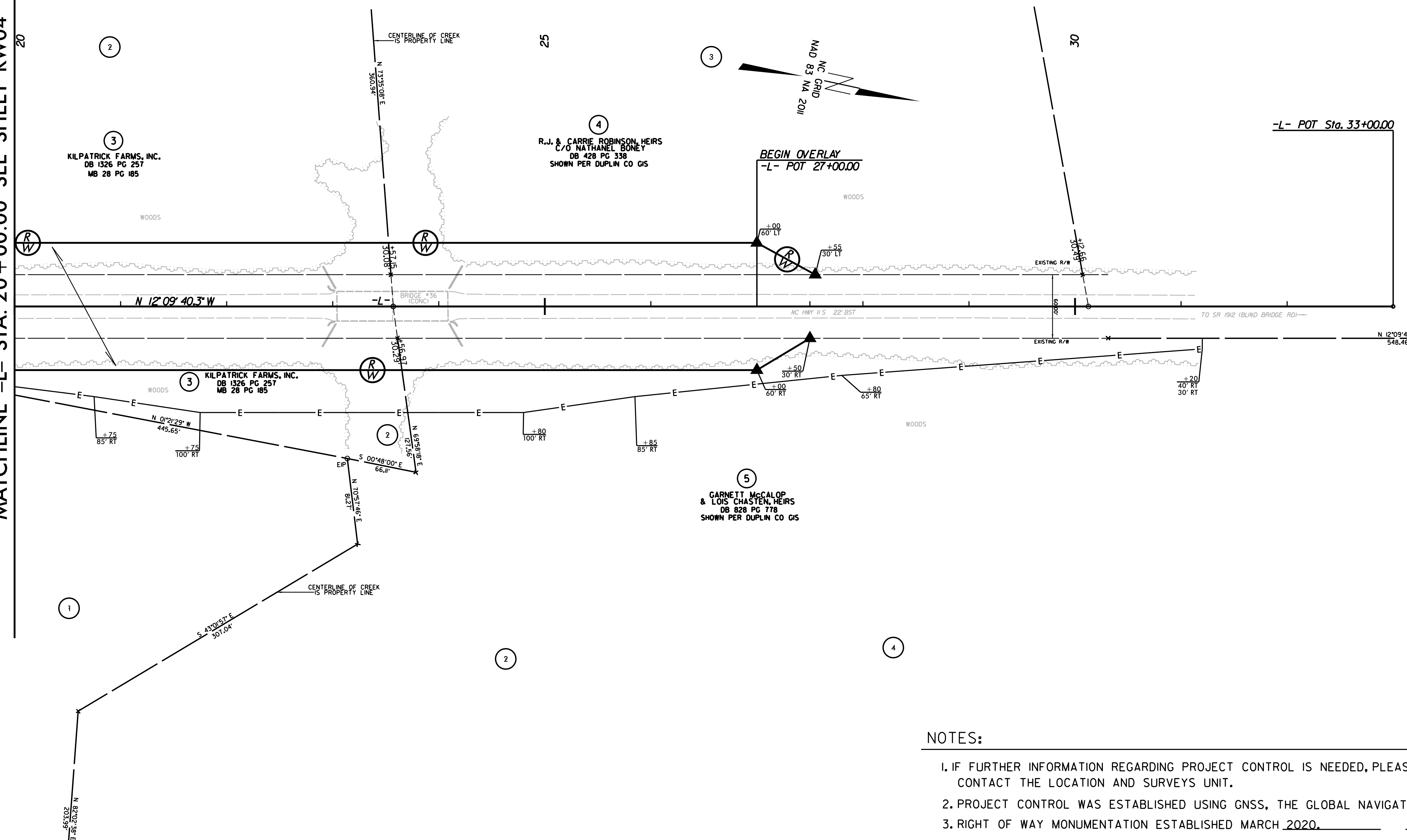
Witness my original signature, registration number and seal this 17th day of March, 2020.

DocuSigned by:
Christopher J. Sawyer
9700C92E1D21467

Professional Land Surveyor PLS # L-4526

REVISIONS

MATCHLINE -L- STA. 20 + 00.00 SEE SHEET RW04



NOTES:

- IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
- PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
- RIGHT OF WAY MONUMENTATION ESTABLISHED MARCH 2020.

I:\MAR-2020\111\111_0036\Final\Control Sheets\RW SHEETS\B5639_1s_rw05_200317.dgn
 H:\Users\111\111_0036\Final\Control Sheets\RW SHEETS\B5639_1s_rw05_200317.dgn
 3/17/2020 10:52:38 AM