

09/06/19

TIP PROJECT: BR-0121-0178

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	BR-0121-0178	RW01	01

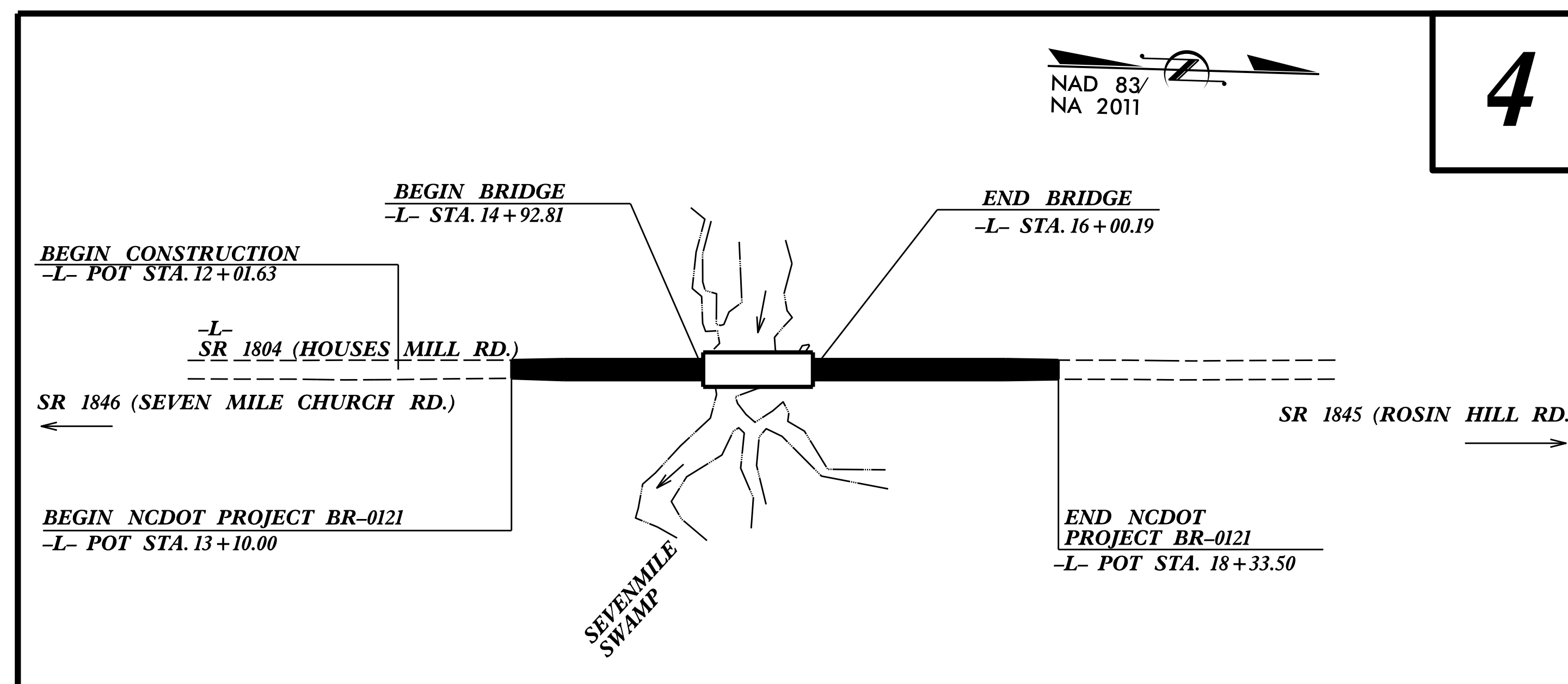
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

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

SAMPSON COUNTY

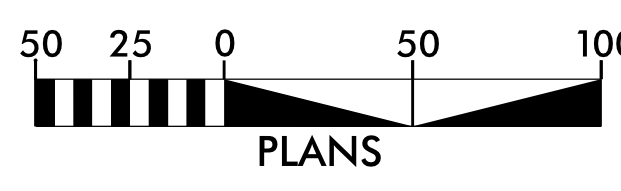
LOCATION: BRIDGE NO. 810178 OVER SEVENMILE SWAMP
ON SR 1804 (HOUSES MILL RD.)

TYPE OF WORK: GRADING, DRAINAGE, PAVING & STRUCTURE



4

GRAPHIC SCALE



DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCGS FOR MONUMENT "BR0121-2" WITH NAD 83/NA2011 STATE PLANE GRID COORDINATES OF NORTHING: 524,394.7390(ft) EASTING: 2,186,608.0130(ft) ELEVATION: 138.204(ft) THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99987211 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "BR0121-2" TO -L- STATION 10+00.00 IS S 02-07'57" E 1390.34(ft) ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NAVD 88

Prepared in the Office of:

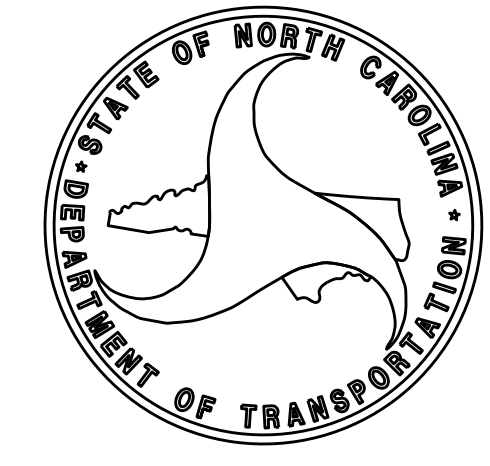
Location and Surveys
5310 BARBADOS BLVD., SUITE 102
CASTLE HAYNE, NC 28429

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
08/07/2019

LETTING DATE:
02/18/2020

PROFESSIONAL LAND SURVEYOR



DocuSigned by:
Christopher J. Sawyer
SIGNATURE: _____


12/9/2019
Date: _____

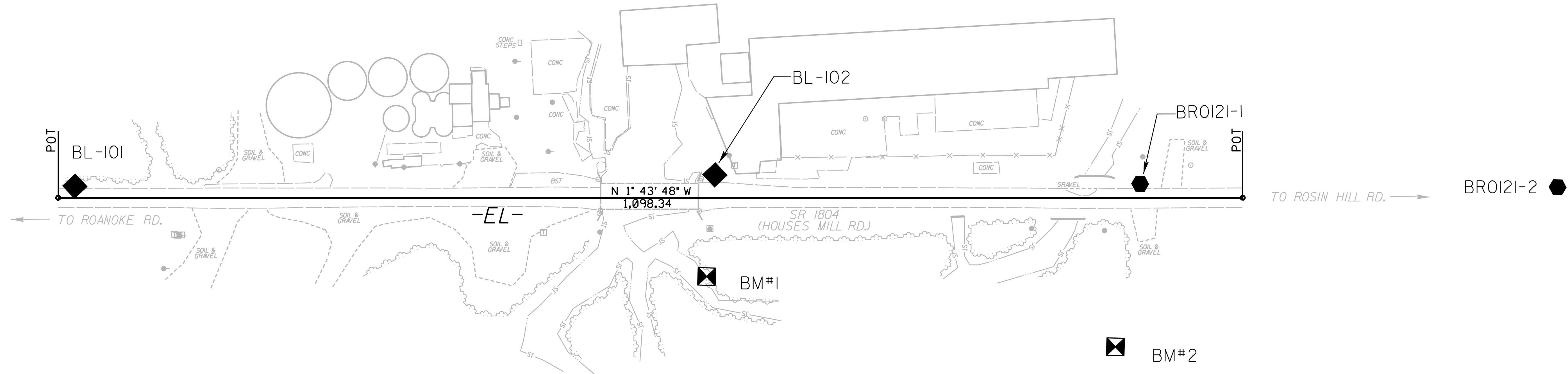
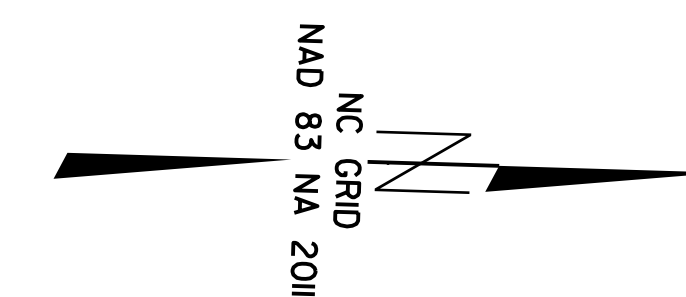
\$\$\$\$\$ SYSTEM \$\$\$\$\$\$
\$\$\$\$\$ DDN \$\$\$\$\$\$
\$\$\$\$\$ USERNAME \$\$\$\$\$\$

6/2/09

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
BR-0121	RW02C-1
Location and Surveys	
	
1223 Jones Franklin Rd. Raleigh, N.C. 27606 License No. F-0377 Bus: 919 851 8077 Fax: 919 851 8107	
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN CIVIL/SITE DESIGN - SURVEYING - CONSTRUCTION OBSERVATION	



REVISIONS

02-DEC-2019 17:13
 H: Simpson, B: 0121_0178\Final\Control_Sheets\br0121_ls_rw02c-1_190819.dgn
 C: isowier AT LS: 299904

SEE SHEET RW02C-2
 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.

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO. BR-0121	SHEET NO. RW02C-2
Location and Surveys	
1223 Jones Franklin Rd. Raleigh, N.C. 27605 License No. F43277 Bus: 919 851 8077 Fax: 919 851 8107	
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN CIVIL/SITE DESIGN - SURVEYING - CONSTRUCTION OBSERVATION	

EL POINT	N	E	BEARING	DIST
POT	523005.357	2186659.746		
LINE			N 01°43'48.1" W	1098.34
POT	524103.193	2186626.587		

BL POINT	DESC.	NORTH	EAST	ELEVATION
BL101	TRV CAP & REBAR	523020.4690	2186648.5230	150.57
BL102	TRV CAP & REBAR	523613.3410	2186620.0790	130.97
BR01211	GPS CAP & REBAR	524007.7240	2186616.6150	132.75
BR01212	GPS CAP & REBAR	524394.7390	2186608.0130	138.20

PRIMARY CONTROL POINT	DESC.	NORTH	EAST	ELEVATION
BR01211	GPS CAP & REBAR	524007.7240	2186616.6150	132.75
BR01212	GPS CAP & REBAR	524394.7390	2186608.0130	138.20

 BM1 ELEVATION = 128.83
 N 523609 E 2186715
 BL STATION 10+84 94 RIGHT
 BENCHTIE NAIL IN 14" HARDWOOD

 BM2 ELEVATION = 130.17
 N 523989 E 2186768
 BL STATION 14+68 151 RIGHT
 BENCHTIE NAIL IN 12" HARDWOOD

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 BR-0121-0178

PROJECT REFERENCE NO.	SHEET NO.
BR-0121-0178	RW02D-1
Location and Surveys	

L

TYPE	STATION	NORTH	EAST
POT	10+00.00	523005.3570	2186659.7460
POT	20+98.34	524103.1935	2186626.5870


REVISIONS

6/2/09

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.

RIGHT OF WAY CONTROL SHEET BR-0121-0178

PROJECT REFERENCE NO. BR-0121-0178	SHEET NO. RW03E-1
Location and Surveys	
5310 BARBADOS BLVD., SUITE 102 CASTLE HAYNE, NC 28429	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

ROW CAP & REBAR MARKER - E

ALIGN	STATION	OFFSET	NORTH	EAST
L	14+52.00	-30.00	523456.24526	2186616.11371
L	14+52.00	-40.00	523455.94336	2186606.11827
L	16+15.00	-40.00	523618.86906	2186601.19727
L	16+15.00	-30.00	523619.17096	2186611.19271

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 9th day of December, 2019.


 Professional Land Surveyor

L-4526
 PLS #

Seal

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.

REVISIONS

6/2/19

D:\DEC-2019\1336\1336-0121-0178\Check\191120\br-0121-1s-rw03e-1_191119.dgn
 CH: Sawyer
 Date: 12/09/2019

PERMANENT EASEMENT CONTROL SHEET BR-0121-0178

PROJECT REFERENCE NO. BR-0121-0178	SHEET NO. RW03E-2
Location and Surveys	
5310 BARBADOS BLVD., SUITE 102 CASTLE HAYNE, NC 28429	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

REVISIONS

ROW MARKER PERMANENT EASEMENT MARKER - E

ALIGN	STATION	OFFSET	NORTH	EAST
L	12+01.63	30.00	523207.79740	2186683.64518
L	12+10.05	49.61	523216.81265	2186702.99094
L	12+57.25	30.00	523263.39798	2186681.96582
L	13+37.06	-30.00	523341.36153	2186619.58365
L	14+49.32	-76.65	523452.15844	2186569.56531
L	14+52.00	-45.27	523455.78441	2186600.85567
L	14+62.29	-49.54	523465.94238	2186596.27475

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.

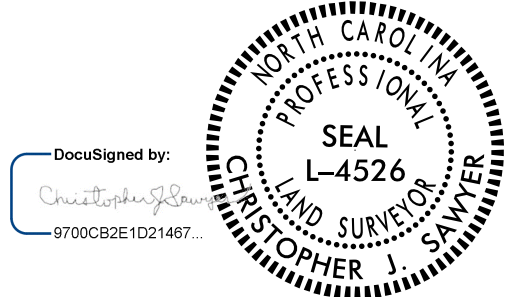
I further certify that the right of way and permanent easement points shown herein and outlined in the tables shown hereon (localized coordinates, station/offset) have been checked and are accurate representations of the right of way and permanent easement points depicted on the corresponding highway 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 9th day of December, 2019.

 Professional Land Surveyor L-4526 Seal

- 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.

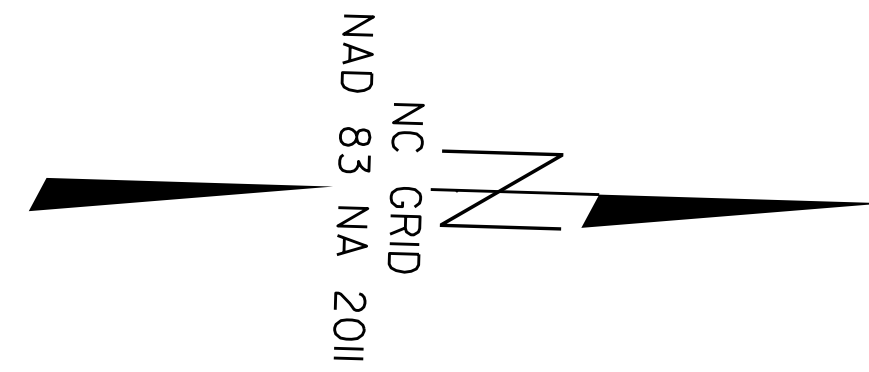
6/2/19

PROJECT REFERENCE NO. BR-0121-0178	SHEET NO. RW-4
Location and Surveys	
5310 BARBADOS BLVD., SUITE 102 CASTLE HAYNE, NC 28429	
	
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) (R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures.

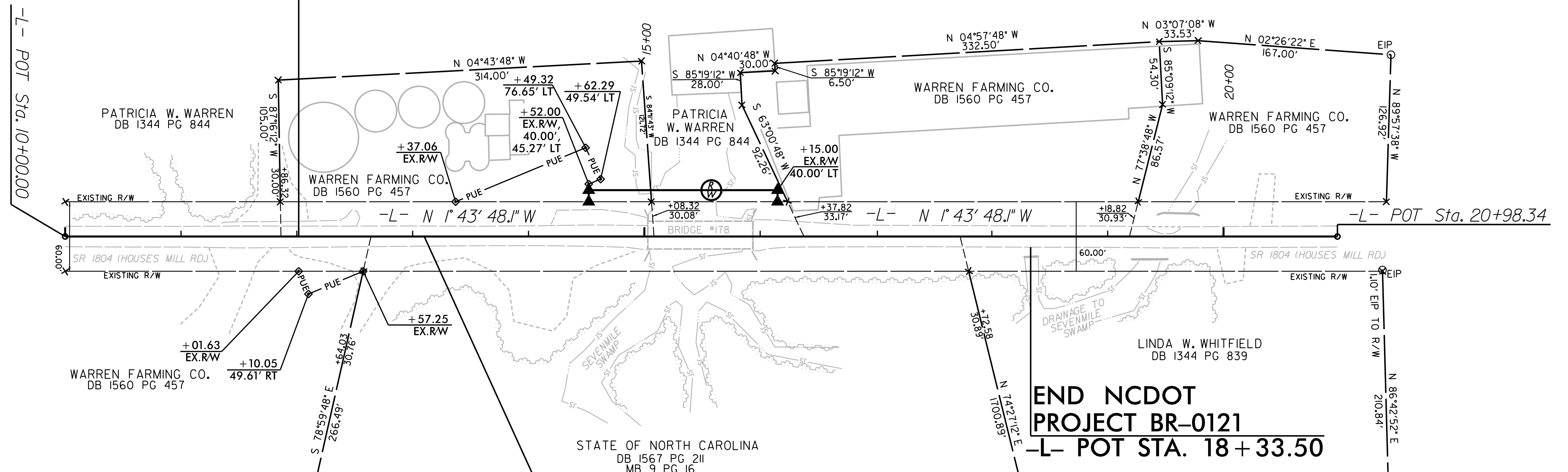
I further certify that the right of way and permanent easement points shown herein and outlined in the tables shown hereon (localized coordinates, station/offset) have been checked and are accurate representations of the right of way and permanent easement points depicted on the corresponding highway 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 9th day of December, 2019.



BEGIN CONSTRUCTION
-L- POT STA. 12 + 01.63

DocuSigned by:
Christopher Sawyer
Professional Land Surveyor
L-4526
PLS #
Seal



END NCDOT PROJECT BR-0121
-L- POT STA. 18 + 33.50

BEGIN NCDOT PROJECT BR-0121
-L- POT STA. 13 + 10.00

REVISIONS

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.

DP: DEC 2019 10:43
 HP: S:\C:\son AT
 CS: 201904
 C:\Users\AT
 121_0178\Check\191120\br-0121_1s_w-4_191120.dgn