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09/05/19

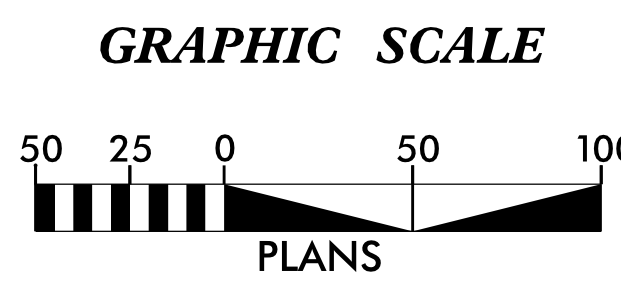
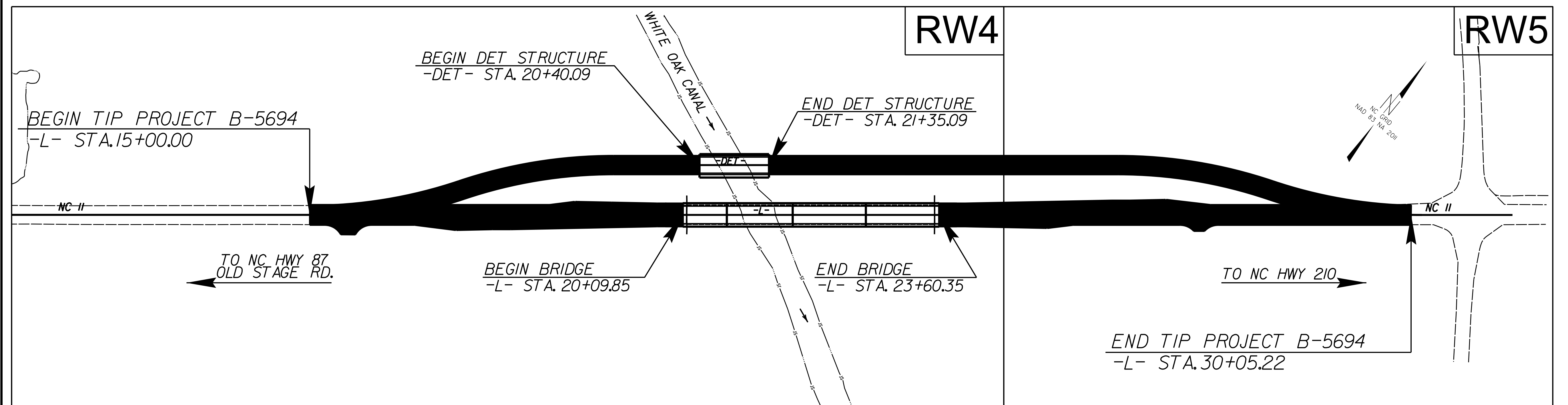
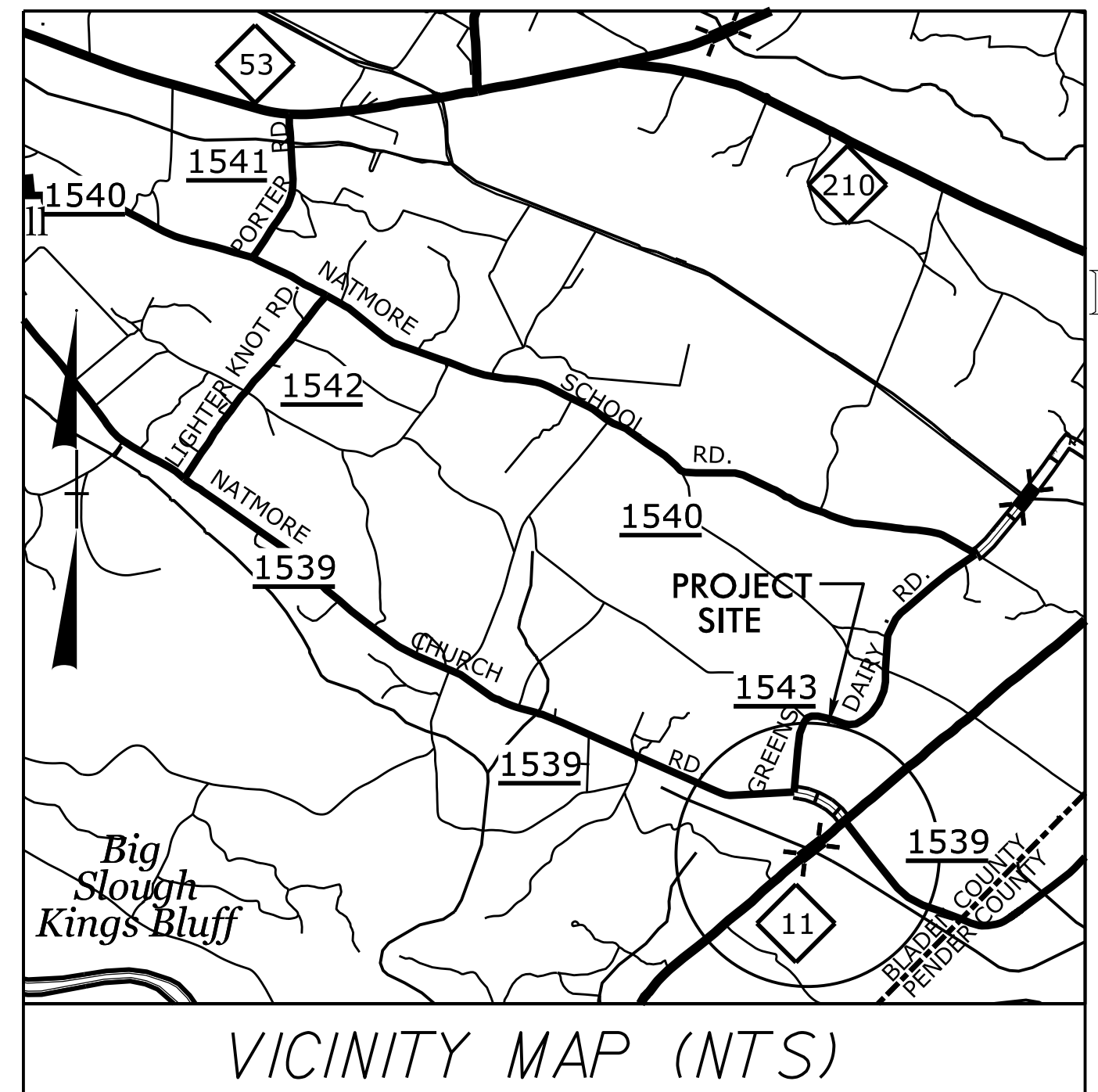
TIP PROJECT: B-5694

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-5694	RW01	3

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

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

**BLADEN COUNTY**



**DATUM DESCRIPTION**

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "B5694-2" WITH NAD 83/2011 STATE PLANE GRID COORDINATES OF NORTHING: 242324.1665(ft) EASTING: 2224609.126(ft) ELEVATION: 21.30(ft) THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.999982840 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "B5694-2" TO -L- STATION 10+00 IS N 48°06'27.96" E 484.57(ft) ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NAVD88

Prepared in the Office of:

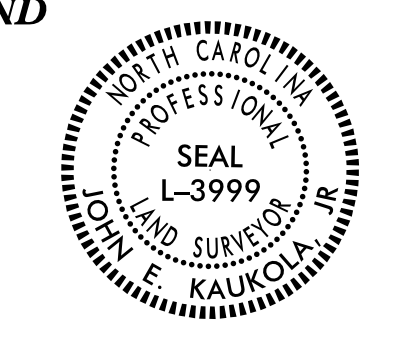
**NCDOT DIVISION 6  
LOCATION & SURVEYS  
4834 US HWY 301 S  
HOPE MILLS, NC 28348**

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:  
05/31/2019

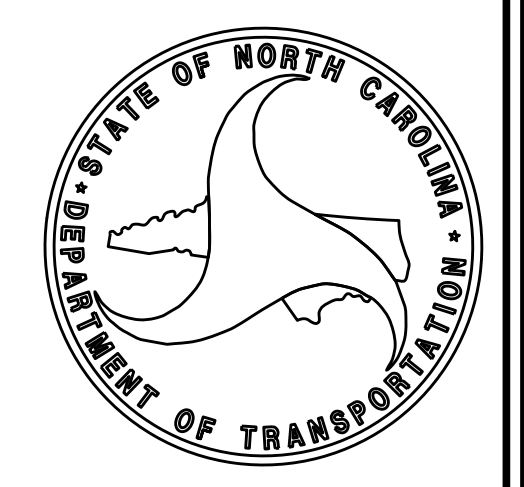
LETTING DATE:  
12/17/2019

PROFESSIONAL LAND SURVEYOR



DocuSigned by:  
John E. Kaukola, Jr.  
F360958AF788482...

10/14/2019  
Date:



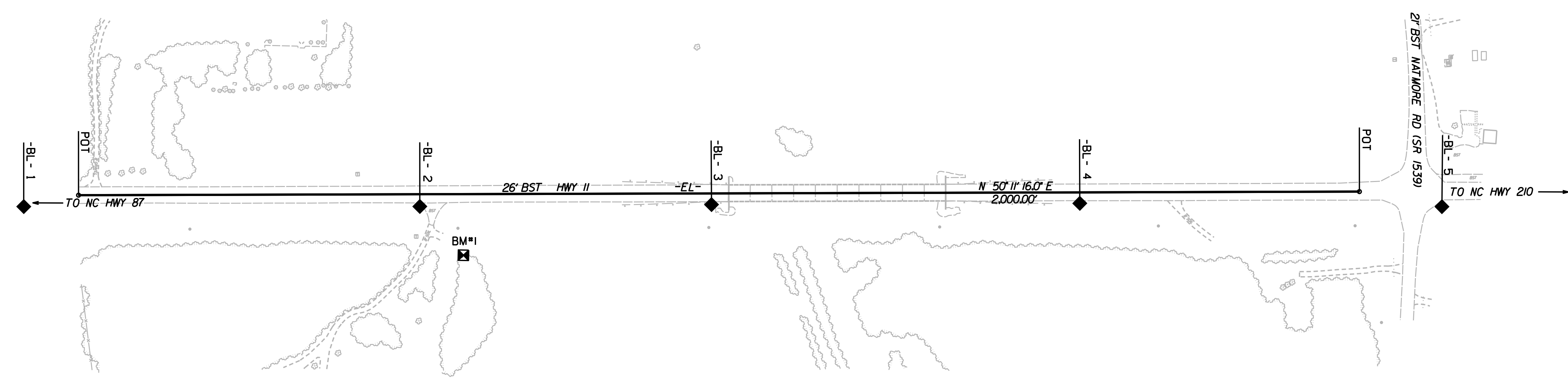
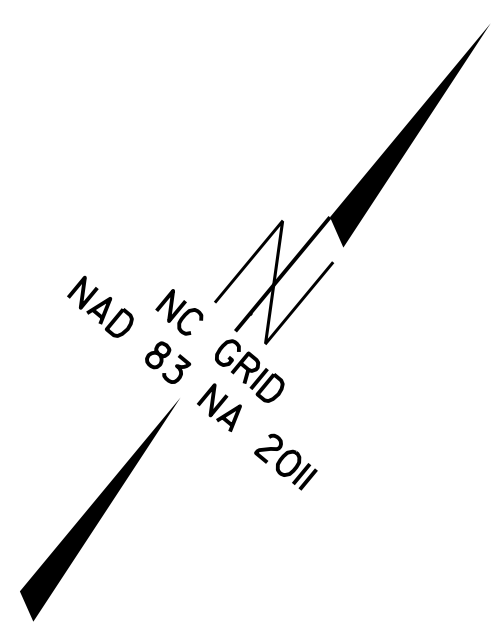
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6/2/09

PROJECT REFERENCE NO. B-5694	SHEET NO. RW02C-1
<b>Location and Surveys</b>	
NCDOT LOCATION & SURVEYS DIVISION 6	

# SURVEY CONTROL SHEET

## W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



### 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.

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6/2/09

REVISIONS

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wilson AT LSD6-29986

# SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO. B-5694	SHEET NO. RW02C-2
<b>Location and Surveys</b>	
NCDOT LOCATION & SURVEYS DIVISION 6	

BL	POINT	DESC.	NORTH	EAST	ELEVATION
1		B5694 BL-1	242579.4373	2224915.3002	21.57
2		B5694 BL-2	242974.2866	2225391.3053	22.86
3		B5694 BL-3	243267.1022	2225740.2178	24.33
4		B5694 BL-4	243635.6050	2226181.6180	23.96
5		B5694 BL-5	243992.4820	2226620.2636	21.35

\*\*\*\*\*  
 BM1 ELEVATION = 18.15  
 N 242959 E 2225492  
 RR SPIKE IN BASE OF 18" PINE  
 \*\*\*\*\*

EL				
POINT	N	E	BEARING	DIST
POT	242647.727	2224969.839		
LINE			N 50°11'16.0" E	2000.00
POT	243928.275	2226506.133		

**NOTES:**

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

# PROPOSED ALIGNMENT CONTROL SHEET

PROJECT REFERENCE NO.	SHEET NO.
B-5694	RW02D-1
<b>Location and Surveys</b>	
NCDOT LOCATION & SURVEYS DIVISION 6	

REVISIONS
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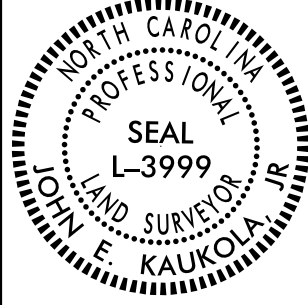
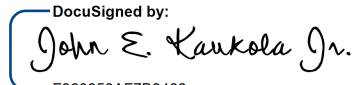
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L			
TYPE	STATION	NORTH	EAST
POT	10+00.00	242647.7275	2224969.8389
POT	30+00.00	243928.2748	2226506.1327
POT	30+20.00	243941.0802	2226521.4957

**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

PROJECT REFERENCE NO. B-5694	SHEET NO. RW03E-1
Location and Surveys	
NCDOT LOCATION & SURVEYS DIVISION 6	
	PROJECT SURVEYOR  DocuSigned by:  <small>F300958AF788462</small>
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

### ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
L	29+00.00	90.00	243795.1142	2226486.9427
L	29+00.00	29.50	243841.5846	2226448.2082
L	15+00.00	90.00	242898.7311	2225411.5370
L	15+00.00	29.87	242944.9203	2225373.0369
L	15+50.00	-75.00	243057.4890	2225344.2992
L	15+50.00	-30.14	243023.0313	2225373.0176
L	28+50.00	-30.48	243855.6497	2226371.3928
L	28+50.00	-75.00	243889.8447	2226342.8902

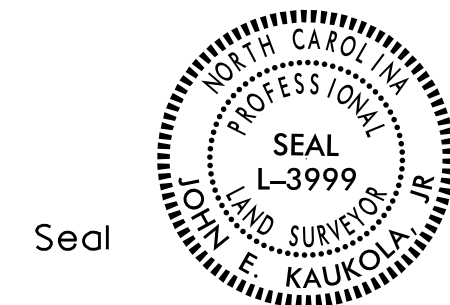
I, JOHN E. KAUKOLA, JR., a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work item(s) (R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines 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 10th day of October, 2019.

DocuSigned by:  
  
F300958AF788462  
 -----  
 Professional Land Surveyor

L-3999  
 PLS #



#### 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.


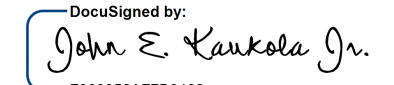
REVISIONS

6/2/19

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6/2/19

# PERMANENT EASEMENT CONTROL SHEET

PROJECT REFERENCE NO. B-5694	SHEET NO. RW03E-2
<b>Location and Surveys</b>	
NCDOT LOCATION & SURVEYS DIVISION 6	
PROJECT SURVEYOR	
	
<small>DocuSigned by:</small>  <small>F360958A7B8462</small>	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

REVISIONS

### ROW MARKER PERMANENT EASEMENT-E

ALIGN	STATION	OFFSET	NORTH	EAST
L	23+65.00	95.00	243448.7270	2226079.1854
L	23+65.00	90.00	243452.5678	2226075.9841
L	24+00.00	95.00	243471.1366	2226106.0706
L	24+00.00	90.00	243474.9774	2226102.8692

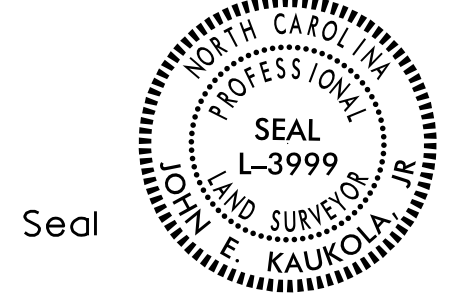
I, JOHN E. KAUKOLA JR., a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work item(s) (R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines 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 10th day of October, 2019.

DocuSigned by:  
  
F360958A7B8462  
 Professional Land Surveyor

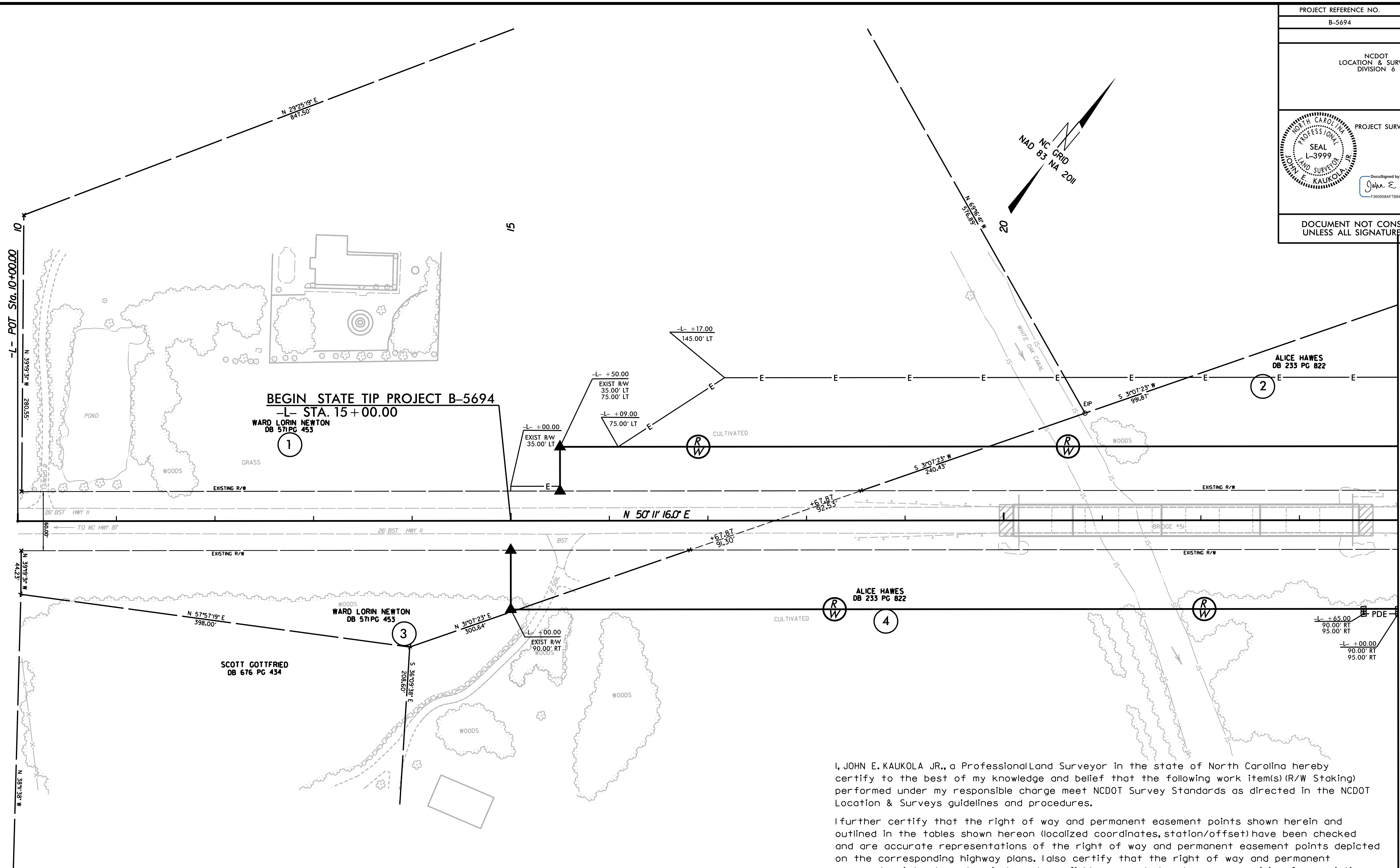
L-3999  
PLS #



### 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.

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REVISIONS

MATCH LINE STA. 24 + 00.0 - SEE SHEET RW05

- 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.

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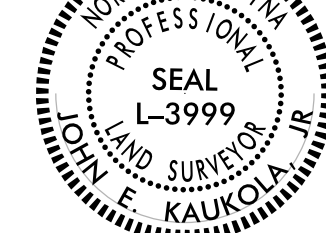
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 John E. Kaukola, Jr.  
F360958AF7B8462  
 Professional Land Surveyor

L-3999  
 PLS #


Seal

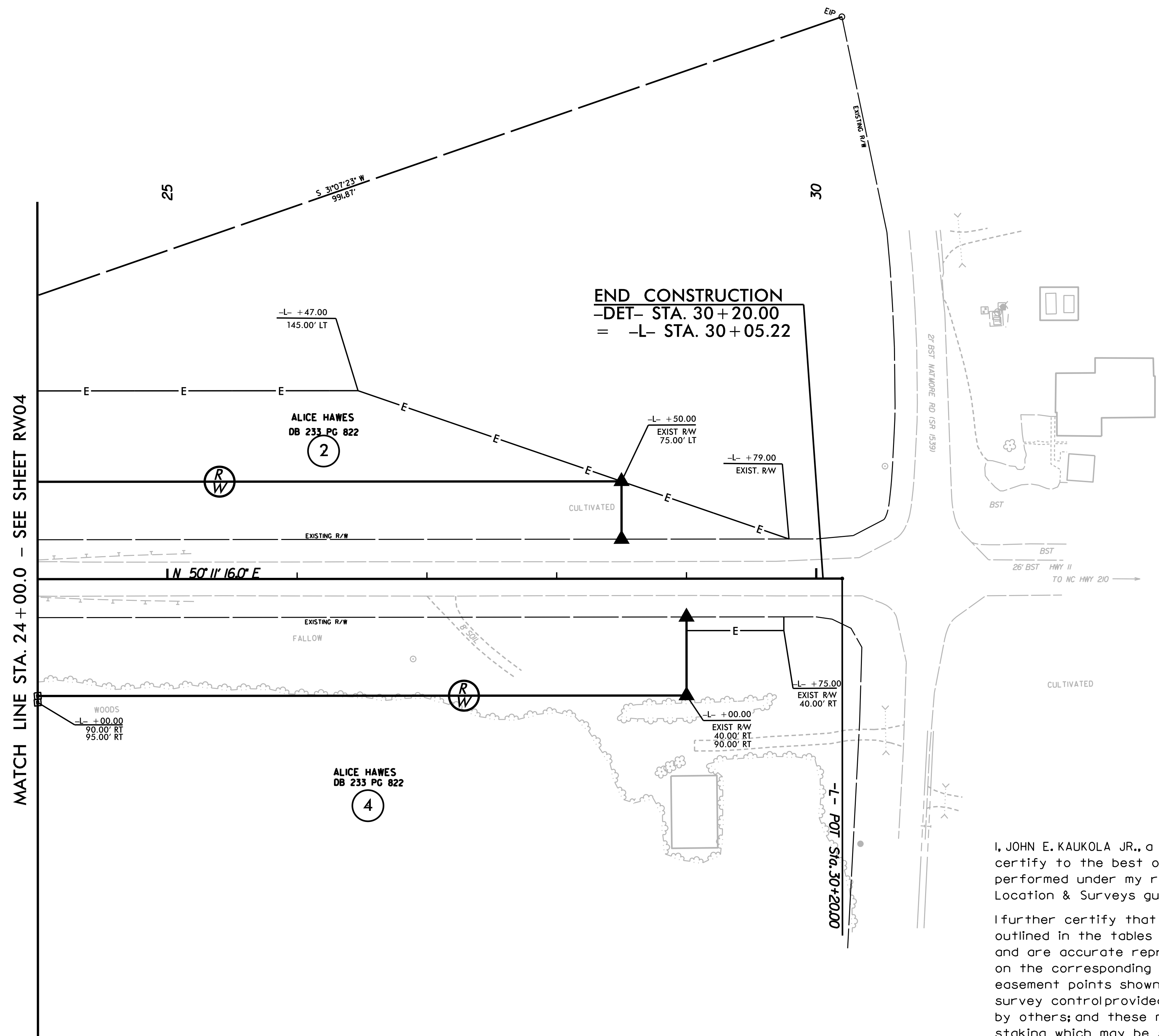
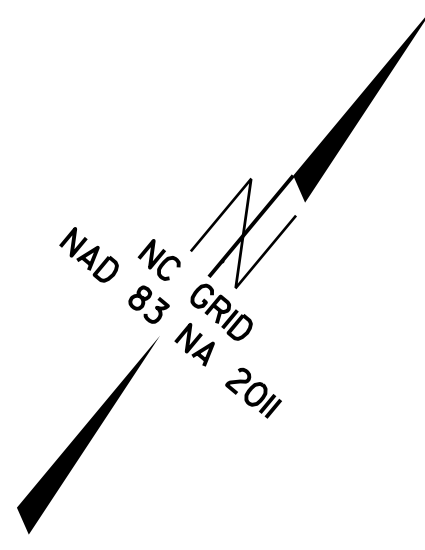


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6/2/19

PROJECT REFERENCE NO. B-5694	SHEET NO. RW05
<b>Location and Surveys</b>	
NCDOT LOCATION & SURVEYS DIVISION 6	
PROJECT SURVEYOR  JOHN E. KAUKOLA JR.	
DocuSigned by: <i>John E. Kaukola Jr.</i> F36055AF7B8462	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



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DocuSigned by:  
*John E. Kaukola Jr.*  
F36055AF7B8462  
Professional Land Surveyor

L-3999  
PLS #



REVISIONS

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