



## Pre-Construction Notification (PCN) Form

For Nationwide Permits and Regional General Permits  
(along with corresponding Water Quality Certifications)

September 29, 2018 Ver 3

*Please note: fields marked with a red asterisk \* below are required. You will not be able to submit the form until all mandatory questions are answered.*

*Also, if at any point you wish to print a copy of the E-PCN, all you need to do is right-click on the document and you can print a copy of the form.*

Below is a link to the online help file.

<https://edocs.deq.nc.gov/WaterResources/0/edoc/624704/PCN%20Help%20File%202018-1-30.pdf>

### A. Processing Information

**County (or Counties) where the project is located:\***

Edgecombe

**Is this project a public transportation project?\***

Yes  No

This is any publicly funded by municipal, state or federal funds road, rail, airport transportation project.

**Is this a NCDOT Project?\***

Yes  No

**(NCDOT only) T.I.P. or state project number:**

BR-0111

**WBS #\***

48820.1.1

(for NCDOT use only)

**1a. Type(s) of approval sought from the Corps:\***

Section 404 Permit (wetlands, streams and waters, Clean Water Act)  
 Section 10 Permit (navigable waters, tidal waters, Rivers and Harbors Act)

**1b. What type(s) of permit(s) do you wish to seek authorization?\***

Nationwide Permit (NWP)  
 Regional General Permit (RGP)  
 Standard (IP)

This form may be used to initiate the standard/individual permit process with the Corps. Please contact your Corps representative concerning submittals for standard permits. All required items that are not provided in the E-PCN can be added to the miscellaneous upload area located at the bottom of this form.

**1c. Has the NWP or GP number been verified by the Corps?\***

Yes  No

**Nationwide Permit (NWP) Number:**

14 - Linear transportation

**NWP Numbers (for multiple NWPS):**

List all NW numbers you are applying for not on the drop down list.

**1d. Type(s) of approval sought from the DWR:\***

check all that apply

401 Water Quality Certification - Regular  401 Water Quality Certification - Express  
 Non-404 Jurisdictional General Permit  Riparian Buffer Authorization  
 Individual Permit

**1e. Is this notification solely for the record because written approval is not required?**

\*

**For the record only for DWR 401 Certification:**

Yes  No

**For the record only for Corps Permit:**

Yes  No

**1f. Is this an after-the-fact permit application?\***

Yes  No

**1g. Is payment into a mitigation bank or in-lieu fee program proposed for mitigation of impacts?**

If so, attach the acceptance letter from mitigation bank or in-lieu fee program

 Yes No**Acceptance Letter Attachment**

Click the upload button or drag and drop files here to attach document

BR-0111 - RW - TP 01.pdf

71.21KB

FILE TYPE MUST BE PDF

**1h. Is the project located in any of NC's twenty coastal counties?\*** Yes No**1i. Is the project located in a designated trout watershed?\*** Yes NoLink to trout information: <http://www.saw.usace.army.mil/Missions/Regulatory-Permit-Program/Agency-Coordination/Trout.aspx>**B. Applicant Information****1a. Who is the Primary Contact?\***

NCDOT

**1c. Primary Contact Phone:\***

(xxx)xxx-xxxx

(919)707-6111

**1b. Primary Contact Email:\***

jldilday@ncdot.gov

**1d. Who is applying for the permit?\*** Owner

(Check all that apply)

 Applicant (other than owner)**1e. Is there an Agent/Consultant for this project?\*** Yes No**2. Owner Information****2a. Name(s) on recorded deed:\***

NCDOT

**2b. Deed book and page no.:****2c. Responsible party:**

(for Corporations)

**2d. Address \***

## Street Address

1000 Birch Ridge Drive

## Address Line 2

Qty

State / Province / Region

Raleigh

NC

## Postal / Zip Code

Country

27610

USA

**2e. Telephone Number:\***

(xxx)xxx-xxxx

(919)707-6000

**2f. Fax Number:**

(xxx)xxx-xxxx

**2g. Email Address:\***

pharris@ncdot.gov

**C. Project Information and Prior Project History****1. Project Information****1a. Name of project:\***

Bridges 3,4 and 5 over Swift Creek on SR 1404 (BR-0111 Central)

**1b. Subdivision name:**

(if appropriate)

**1c. Nearest municipality / town:\***

Battleboro

**2. Project Identification**

**2a. Property Identification Number:**

(tax PIN or parcel ID)

**2b. Property size:**

(in acres)

**2c. Project Address**

Street Address

Address Line 2

City

State / Province / Region

Postal / Zip Code

Country

**2d. Site coordinates in decimal degrees**

Please collect site coordinates in decimal degrees. Use between 4-6 digits (unless you are using a survey-grade GPS device) after the decimal place as appropriate, based on how the location was determined. (For example, most mobile phones with GPS provide locational precision in decimal degrees to map coordinates to 5 or 6 digits after the decimal place.)

**Latitude:\***

36.058323

ex: 34.208504

**Longitude:\***

-77.681421

-77.796371

**3. Surface Waters****3a. Name of the nearest body of water to proposed project:\***

Swift Creek

**3b. Water Resources Classification of nearest receiving water:\***

C; ORW, NSW

Surface Water Lookup

**3c. What river basin(s) is your project located in?\***

Tar-Pamlico

**3d. Please provide the 12-digit HUC in which the project is located.\***

030201010803

River Basin Lookup

**4. Project Description and History****4a. Describe the existing conditions on the site and the general land use in the vicinity of the project at the time of this application:\***

Land use in the project vicinity consists primarily of forested floodplains and agricultural fields and minor residential development.

**4b. Have Corps permits or DWR certifications been obtained for this project (including all prior phases) in the past?\***
 Yes  No  Unknown
**4d. Attach an 8 1/2 X 11 excerpt from the most recent version of the USGS topographic map indicating the location of the project site. (for DWR)**

Click the upload button or drag and drop files here to attach document

File type must be pdf

**4e. Attach an 8 1/2 X 11 excerpt from the most recent version of the published County NRCS Soil Survey map depicting the project site. (for DWR)**

Click the upload button or drag and drop files here to attach document

File type must be pdf

**4f. List the total estimated acreage of all existing wetlands on the property:**

24

**4g. List the total estimated linear feet of all existing streams on the property:**

(intermittent and perennial)

1000

**4h. Explain the purpose of the proposed project:\***

The purpose of this project is to replace three structurally deficient bridges.

**4i. Describe the overall project in detail, including indirect impacts and the type of equipment to be used:\***

This project involves replacing 2- 125 foot, 5 span bridges and 1- 50 foot, 2 span bridge with 2- 165 foot, 3 span and 1- 100 foot, 2 span bridges respectively. Traffic will be maintained on an off-site detour. Standard road building equipment, such as trucks, dozers and cranes will be used.

**4j. Please upload project drawings for the proposed project.**

Click the upload button or drag and drop files here to attach document

BR-0111\_BufferDrawing.pdf

1.54MB

BR-0111\_PermitDrawing.pdf

10.26MB

BR0111\_utilitiesBUFFER.pdf

1001.67KB

BR0111\_utilitiesPERMITDRAWINGS.pdf

1.21MB

File type must be pdf

**5. Jurisdictional Determinations****5a. Have the wetlands or streams been delineated on the property or proposed impact areas?\***



S1	Bent Placement/Abutment	Temporary	Dewatering	Swift Creek	Perennial	Both	40 Average (feet)	50 (linear feet)
S2	Bent Placement/Abutment	Temporary	Dewatering	Swift Creek	Perennial	Both	60 Average (feet)	50 (linear feet)
S3	Bent Placement/Abutment	Temporary	Dewatering	Swift Creek	Perennial	Both	60 Average (feet)	50 (linear feet)

\*\* All Perennial or Intermittent streams must be verified by DWR or delegated local government.

**3i. Total jurisdictional ditch impact in square feet:**

0

**3i. Total permanent stream impacts:**

0

**3i. Total temporary stream impacts:**

150

**3i. Total stream and ditch impacts:**

150

**3j. Comments:**

Temporary stream impacts due to construction of bridge abutments and setting of interior bents.

## 6. Buffer Impacts (for DWR)

If project will impact a protected riparian buffer, then complete the chart below. Individually list all buffer impacts below.

**6a. Project is in which protect basin(s)?\***

Check all that apply.

<input type="checkbox"/> Neuse	<input checked="" type="checkbox"/> Tar-Pamlico
<input type="checkbox"/> Catawba	<input type="checkbox"/> Randleman
<input type="checkbox"/> Goose Creek	<input type="checkbox"/> Jordan Lake
<input type="checkbox"/> Other	<input type="text"/>

6b. Impact Type * (?)	6c. Per or Temp * (?)	6d. Stream name *	6e. Buffer mitigation required? *	6f. Zone 1 impact *	6g. Zone 2 impact *
Site 1-Road Crossing-Allowable	P	Swift Creek	No	1,653 (square feet)	2,345 (square feet)
Site 1-Bridge-Allowable	P	Swift Creek	No	1,384 (square feet)	0 (square feet)
Site 2-Road Crossing-Allowable	P	Swift Creek	No	2,607 (square feet)	2,491 (square feet)
Site 2-Bridge-Allowable	P	Swift Creek	No	1,157 (square feet)	0 (square feet)
Site 3-Road Crossing-Allowable	P	Swift Creek	No	990 (square feet)	1,368 (square feet)
Site 3-Bridge-Allowable	P	Swift Creek	No	2,955 (square feet)	1,374 (square feet)
Site U1/U2-Utilities-Allowable	P	Swift Creek	No	1,356 (square feet)	848 (square feet)
Site U3/U4-Utilities-Allowable	P	Swift Creek	No	539 (square feet)	410 (square feet)
Site U5/U6-Utilities-Allowable	P	Swift Creek	No	219 (square feet)	143 (square feet)

## 6h. Total buffer impacts:

	Zone 1	Zone 2
Total Temporary impacts:	0.00	0.00

	Zone 1	Zone 2
Total Permanent impacts:	12,860.00	8,979.00

	Zone 1	Zone 2
Total combined buffer impacts:	12,860.00	8,979.00

**6i. Comments:**

Buffer impacts are for three separate bridge crossings of Swift Creek. Impacts at each individual site are considered allowable without mitigation.

#### Supporting Documentation - i.e. Impact Maps, Plan Sheet, etc.

Click the upload button or drag and drop files here to attach document

File must be PDF

## E. Impact Justification and Mitigation

### 1. Avoidance and Minimization

#### 1a. Specifically describe measures taken to avoid or minimize the proposed impacts in designing the project:\*

Bridges will be replaced on the existing alignments. Two of the three bridges will result in the reduction of in-water bents. The project was designed so that grade of road was minimally raised to reduce fill in adjacent wetlands. See stormwater management plan for additional minimization measures.

#### 1b. Specifically describe measures taken to avoid or minimize the proposed impacts through construction techniques:\*

An off-site detour will be used during construction. NCDOT's Design Standards in Sensitive Watersheds will be adhered to.

### 2. Compensatory Mitigation for Impacts to Waters of the U.S. or Waters of the State

#### 2a. Does the project require Compensatory Mitigation for impacts to Waters of the U.S. or Waters of the State?

Yes  No

#### 2c. If yes, mitigation is required by (check all that apply):

DWR  Corps

#### 2d. If yes, which mitigation option(s) will be used for this project?

Mitigation bank  Payment to in-lieu fee program  Permittee Responsible Mitigation

### 4. Complete if Making a Payment to In-lieu Fee Program

#### 4a. Approval letter from in-lieu fee program is attached.

Yes  No

#### 4b. Stream mitigation requested:

(linear feet)

0

#### 4c. If using stream mitigation, what is the stream temperature:

NC Stream Temperature Classification Maps can be found under the Mitigation Concepts tab on the Wilmington District's [RIBITS](#) website.

#### 4d. Buffer mitigation requested (DWR only):

(square feet)

0

#### 4e. Riparian wetland mitigation requested:

(acres)

0.12

#### 4f. Non-riparian wetland mitigation requested:

(acres)

0

#### 4g. Coastal (tidal) wetland mitigation requested:

(acres)

0

#### 4h. Comments

## F. Stormwater Management and Diffuse Flow Plan (required by DWR)

\*\*\* Recent changes to the stormwater rules have required updates to this section.\*\*\*

### 1. Diffuse Flow Plan

#### 1a. Does the project include or is it adjacent to protected riparian buffers identified within one of the NC Riparian Buffer Protection Rules?

Yes  No

1b. All buffer impacts and high ground impacts require diffuse flow or other form of stormwater treatment. If the project is subject to a state implemented riparian buffer protection program, include a plan that fully documents how diffuse flow will be maintained.

All Stormwater Control Measures (SCM)s must be designed in accordance with the [NC Stormwater Design Manual](#). Associated supplement forms and other documentation shall be provided.

#### What type of SCM are you providing?

- Level Spreader
- Vegetated Conveyance (lower SHWT)
- Wetland Swale (higher SHWT)
- Other SCM that removes minimum 30% nitrogen
- Proposed project will not create concentrated stormwater flow through the buffer  
(check all that apply)

For a list of options to meet the diffuse flow requirements, click [here](#).

#### Diffuse Flow Documentation

Click the upload button or drag and drop files here to attach document  
File type must be PDF

## 2. Stormwater Management Plan

2a. Is this a NCDOT project subject to compliance with NCDOT's Individual NPDES permit NCS000250? \*

Yes  No

Comments:

## G. Supplementary Information



### 1. Environmental Documentation

1a. Does the project involve an expenditure of public (federal/state/local) funds or the use of public (federal/state) land? \*

Yes  No

1b. If you answered "yes" to the above, does the project require preparation of an environmental document pursuant to the requirements of the National or State (North Carolina) Environmental Policy Act (NEPA/SEPA)? \*

Yes  No

1c. If you answered "yes" to the above, has the document review been finalized by the State Clearing House? (If so, attach a copy of the NEPA or SEPA final approval letter.) \*

Yes  No

#### NEPA or SEPA Final Approval Letter

Click the upload button or drag and drop files here to attach document

FILE TYPE MUST BE PDF

### 2. Violations (DWR Requirement)

2a. Is the site in violation of DWR Water Quality Certification Rules (15A NCAC 2H .0500), Isolated Wetland Rules (15A NCAC 2H .1300), or DWR Surface Water or Wetland Standards or Riparian Buffer Rules (15A NCAC 2B .0200)? \*

Yes  No

### 3. Cumulative Impacts (DWR Requirement)

3a. Will this project (based on past and reasonably anticipated future impacts) result in additional development, which could impact nearby downstream water quality? \*

Yes  No

3b. If you answered "no," provide a short narrative description.

Due to the minimal transportation impact resulting from this bridge replacement, this project will neither influence land use nor stimulate growth. Therefore, a detailed indirect and cumulative effects study will not be necessary.

### 4. Sewage Disposal (DWR Requirement)

4a. Is sewage disposal required by DWR for this project? \*

Yes  No  N/A

### 5. Endangered Species and Designated Critical Habitat (Corps Requirement)

5a. Will this project occur in or near an area with federally protected species or habitat? \*

Yes  No

5b. Have you checked with the USFWS concerning Endangered Species Act impacts? \*

Yes  No

5c. If yes, indicate the USFWS Field Office you have contacted.

Raleigh

5d. Is another Federal agency involved? \*

Yes  No  Unknown

5e. Is this a DOT project located within Division's 1-8? \*

Yes  No

5f. What data sources did you use to determine whether your site would impact Endangered Species or Designated Critical Habitat? \*

N.C. Natural Heritage Program database; USFWS-Raleigh Field Office website; biological surveys for protected species listed for Edgecombe County, which include Tar River spiny mussel, yellow lance, dwarf wedge mussel, red-cockaded woodpecker. Biological conclusion of "No Effect" were rendered for dwarf wedge mussel and red-cockaded woodpecker. This project occurs within an identified stream reach for the yellow lance and Tar River spiny mussel. NCDOT proposes to satisfy impacts to Section 7 for the species by making payment to the N.C. Non-game Aquatic Species Fund as set in the Programmatic Biological Opinion for freshwater mussels.

#### Consultation Documentation Upload

Click the upload button or drag and drop files here to attach document

File type must be PDF

## 6. Essential Fish Habitat (Corps Requirement)

6a. Will this project occur in or near an area designated as an Essential Fish Habitat?\*

Yes

No

6b. What data sources did you use to determine whether your site would impact an Essential Fish Habitat?\*

NMFS County Index

## 7. Historic or Prehistoric Cultural Resources (Corps Requirement)

Link to the State Historic Preservation Office Historic Properties Map (does not include archaeological data: <http://gis.ncdcr.gov/hpoweb/>

7a. Will this project occur in or near an area that the state, federal or tribal governments have designated as having historic or cultural preservation status (e.g., National Historic Trust designation or properties significant in North Carolina history and archaeology)?\*

Yes

No

7b. What data sources did you use to determine whether your site would impact historic or archeological resources?\*

NEPA documentation

### 7c. Historic or Prehistoric Information Upload

Click the upload button or drag and drop files here to attach document

File must be PDF

## 8. Flood Zone Designation (Corps Requirement)

Link to the FEMA Floodplain Maps: <https://msc.fema.gov/portal/search>

8a. Will this project occur in a FEMA-designated 100-year floodplain?\*

Yes

No

8b. If yes, explain how project meets FEMA requirements:

Hydraulics Unit coordination with FEMA.

8c. What source(s) did you use to make the floodplain determination?\*

FEMA maps

## Miscellaneous

### Comments

Miscellaneous attachments not previously requested.

Click the upload button or drag and drop files here to attach document

File must be PDF or KMZ

## Signature

\*

By checking the box and signing below, I certify that:

- I have given true, accurate, and complete information on this form;
- I agree that submission of this PCN form is a "transaction" subject to Chapter 66, Article 40 of the NC General Statutes (the "Uniform Electronic Transactions Act");
- I agree to conduct this transaction by electronic means pursuant to Chapter 66, Article 40 of the NC General Statutes (the "Uniform Electronic Transactions Act");
- I understand that an electronic signature has the same legal effect and can be enforced in the same way as a written signature; AND
- I intend to electronically sign and submit the PCN form.

Full Name:\*

Mack Christopher Rivenbark, III

Signature

Mack C. Rivenbark, III

Date

12/17/2019



(Version 2.08; Released April 2018)

North Carolina Department of Transportation

Highway Stormwater Program  
STORMWATER MANAGEMENT PLAN  
FOR NCDOT PROJECTS



Page 1 of 1

WBS Element:	67111.1.1	TIP No.:	BR-0111	County(ies):	Edgecombe	Project Type:	Bridge Replacement	Date:	10/10/2019	
<b>General Project Information</b>										
WBS Element:	67111.1.1	TIP Number:	BR-0111	Contractor / Designer:	Wetherill Engineering, Inc. / Harminder Singh, PE					
NCDOT Contact:	Chad Coggins			Address:	1223 Jones Franklin Rd. Raleigh, NC 27606					
	Address:	Highway Division 4 509 Ward Blvd., PO Box 3165 Wilson, NC 27895			Phone:	919-851-8077				
	Phone:	252-237-6164			Email:	hsingh@wetherilleng.com				
City/Town:	N/A			County(ies):	Edgecombe					
River Basin(s):	Tar-Pamlico			CAMA County?	No					
Wetlands within Project Limits?	Yes									
<b>Project Description</b>										
Project Length (lin. miles or feet):	0.44	Surrounding Land Use:	Rural, Wooded, Swampy							
<b>Proposed Project</b>										
Project Built-Upon Area (ac.):	1.5	ac.	1.1 ac.							
Typical Cross Section Description:	The proposed section consists of two 11' width lanes. Paved shoulders on bridge approach a variable from 4.4' to 5.4'.				Existing road consists of two 10' lanes with variable width grass shoulders.					
Annual Avg Daily Traffic (veh/hr/day):	Design/Future: 882	Year: 2040	Existing: 670	Year: 2019						
General Project Narrative: (Description of Minimization of Water Quality Impacts)	Existing drainage will be maintained. There will be no deck drains on the bridges. Bridge runoff will be intercepted outside of the bridge limits by drainage inlets and will be discharged onto rip rap pads outside the buffer zones.									
<b>Waterbody Information</b>										
Surface Water Body (1):	Swift Creek			NCDWR Stream Index No.:	28-78-(2.5)					
NCDWR Surface Water Classification for Water Body			Primary Classification:	Class C						
			Supplemental Classification:	Nutrient Sensitive Waters (NSW)						
Other Stream Classification:	None									
Impairments:	None									
Aquatic T&E Species?	No	Comments:								
NRTR Stream ID:					Buffer Rules in Effect:	Tar-Pamlico				
Project Includes Bridge Spanning Water Body?	Yes	Deck Drains Discharge Over Buffer?	No	Dissipator Pads Provided in Buffer?	N/A					
Deck Drains Discharge Over Water Body?	No	(If yes, provide justification in the General Project Narrative)			(If yes, describe in the General Project Narrative; if no, justify in the General Project Narrative)					
(If yes, provide justification in the General Project Narrative)										



ROCK	PLATE	SLOPES	STD.	275.01
FROM	STA. 15	$+52.4 \pm 1.0$	RT.	TO STA. 16 $+08.1 \pm 0.4$
FROM	STA. 15	$+76.4 \pm 1.0$	LT.	TO STA. 16 $+08.1 \pm 0.4$
FROM	STA. 17	$+52.4 \pm 1.0$	RT.	TO STA. 19 $+81.1 \pm 0.4$
FROM	STA. 17	$+52.4 \pm 1.0$	LT.	TO STA. 18 $+62.4 \pm 0.4$
FROM	STA. 28	$+24.4 \pm 1.0$	RT.	TO STA. 30 $+04.4 \pm 0.4$

DENOTES FILL IN  
WETLAND

 DENOTES HAND CLEARING

 DENOTES EXCAVATION  
IN WETLAND

**DENOTES TEMPORARY  
IMPACTS IN SURFACE WATER**

**ETHERILL  
ENGINEERING**  
PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
GN - GIS/GPS - CONSTRUCTION OBSERVATION

Jones Franklin Rd. Raleigh, N.C. 27606 license No. F-0377 tel: 919 851 8077 fax: 919 851 8107		PROJECT REFERENCE NO. <b>BR-0III</b>	SHEET NO. <b>4</b>
R/W SHEET NO. <u>      </u>			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
<b>STRUCTURE DESIGN</b> <b>ION OBSERVATION</b>			
<b>INCOMPLETE PLANS</b> <b>DO NOT USE FOR R/W ACQUISITION</b>			

# PERMIT DRAWING SHEET 2 OF 17

**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**

PERRY PROPERTIES FARMS LLC

PERRY PROPERTIES FARMS LLC

CL II RIP RAP TO SHLD. POINT (STR. PAY ITEM)

PROPOSED EXCAVATION (STR. PAY ITEM)

TEMP IMPACTS IN SURFACE WATER

FLOODED TIMBER

W

BZ 1

BZ 2

MCF

F

F

BZ 1

BZ 2

WOODS

HAND CLEARIN

SEE PERMIT SHEET

CL II RIP RAP TO SHLD. POINT (STR. PAY ITEM)

PROPOSED EXCAVATION (STR. PAY ITEM)

CL II RIP RAP TO SHLD. POINT (STR. PAY ITEM)

EXCAVATION IN WETLANDS

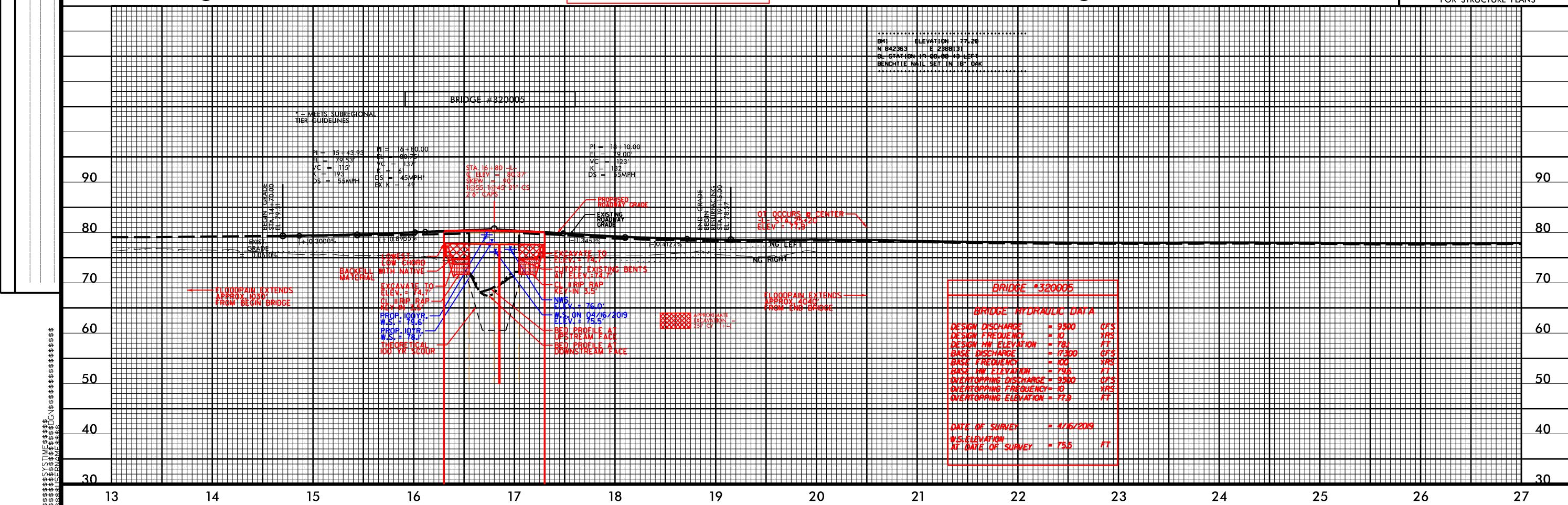
JEFFREY SKINNER ET AL (2)

NOTE:  
DESIGN EXCEPTION REQUIRED FOR THE HORIZONTAL  
CURVE RADIUS AND HORIZONTAL  
STOPPING SIGHT DISTANCE

**SHOULDER BERM GUTTER**  
FROM STA. 15 + 85.06 RT. TO STA. 16 + 17.94 RT.  
FROM STA 17 + 42 06 RT TO STA 17 + 68 00 RT

2 JEFFREY SKINNER ET AL

SEE SHEETS S-1 THRU S-2  
FOR STRUCTURE PLANS





DENOTES FILL IN  
WETLAND

 DENOTES HAN  
CLEARING

 DENOTES HAND  
CLEARING

 E DENOTES EXCAVATION  
IN WETLAND

**TS** DENOTES TEMPORARY  
IMPACTS IN SURFACE WATER

PROJECT REFERENCE NO.		SHEET NO.
<i>BR-0111</i>		4
RW SHEET NO. _____		
Roadway Design Engineer	Hydraulics Engineer	
<b>INCOMPLETE PLANS</b> <b>DO NOT USE FOR R/W ACQUISITION</b>		

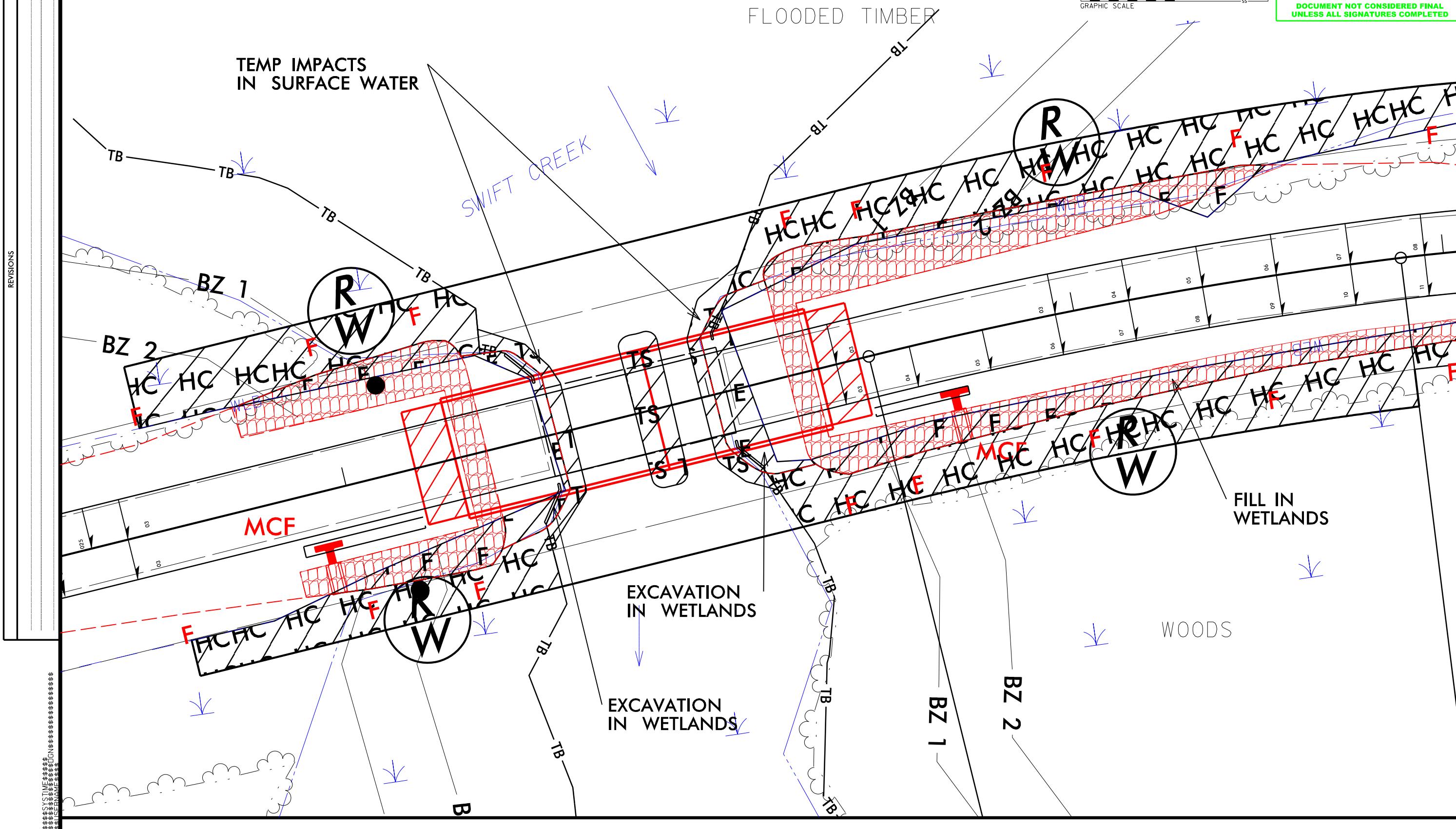
**PERMIT DRAWING  
SHEET 4 OF 17**

A horizontal ruler scale from 25' to 25' with a black checkerboard pattern.

GRAPHIC SCALE

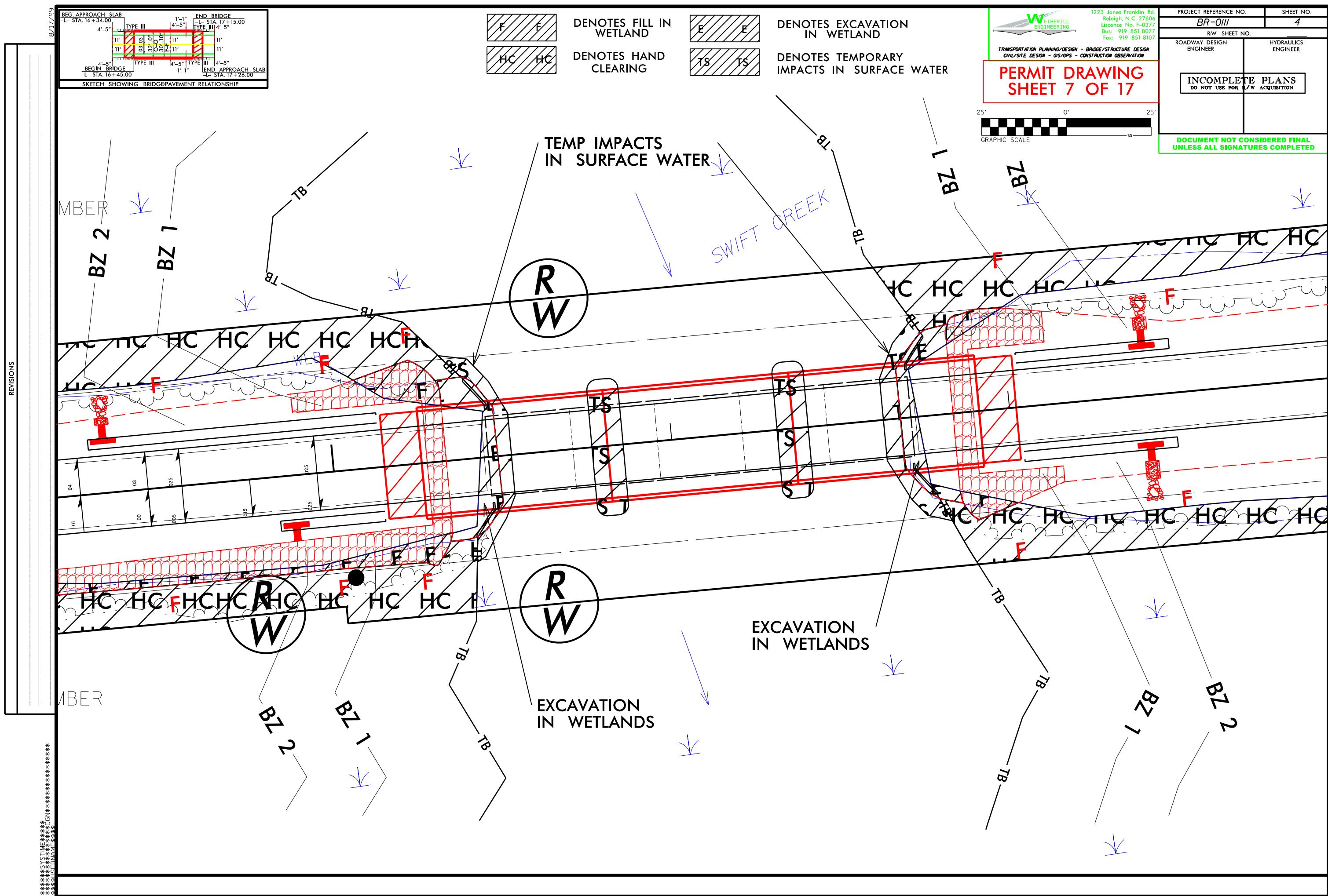
**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**

## REVISIONS









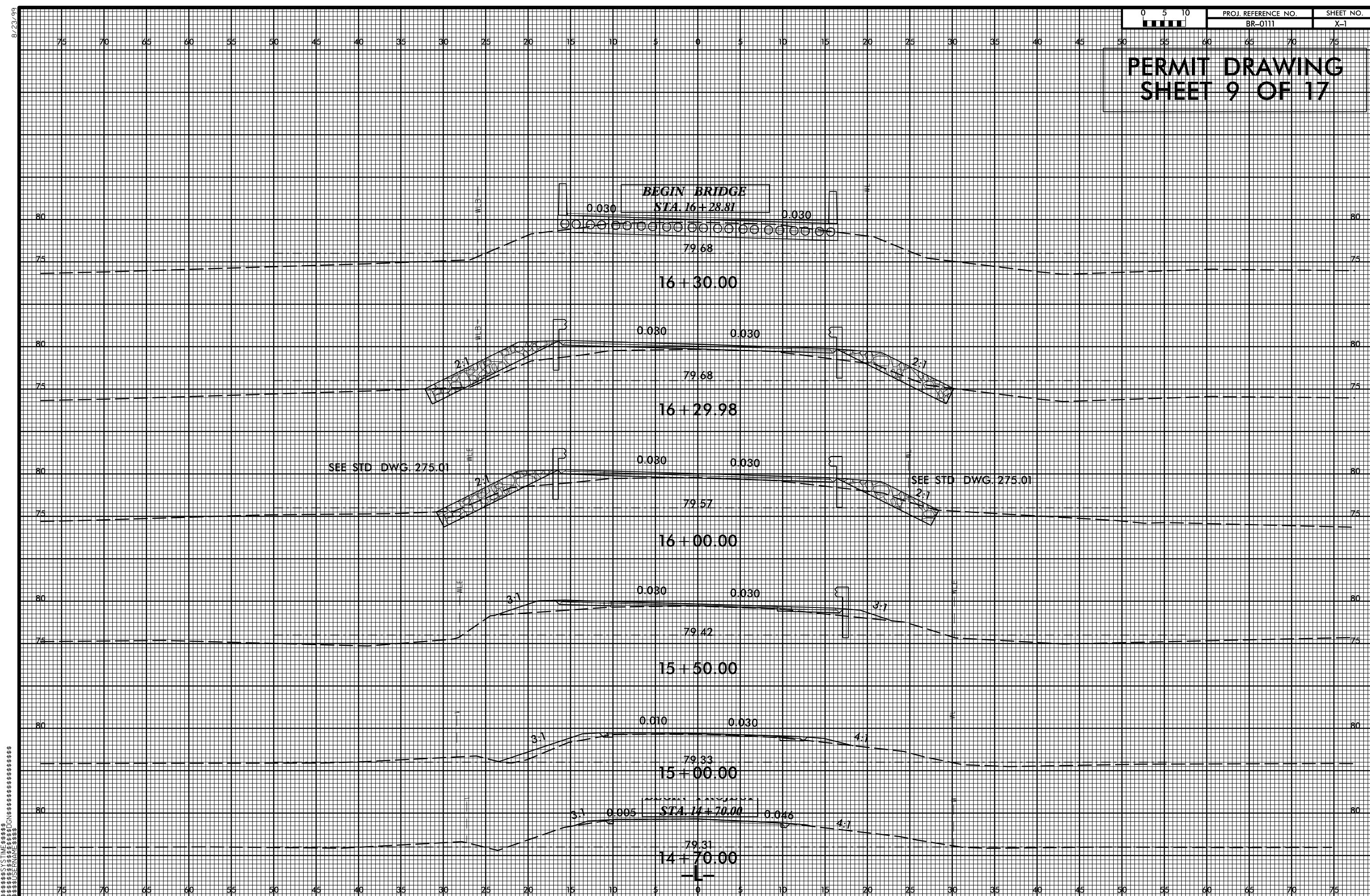
\*Rounded totals are sum of actual impacts

## NOTES:

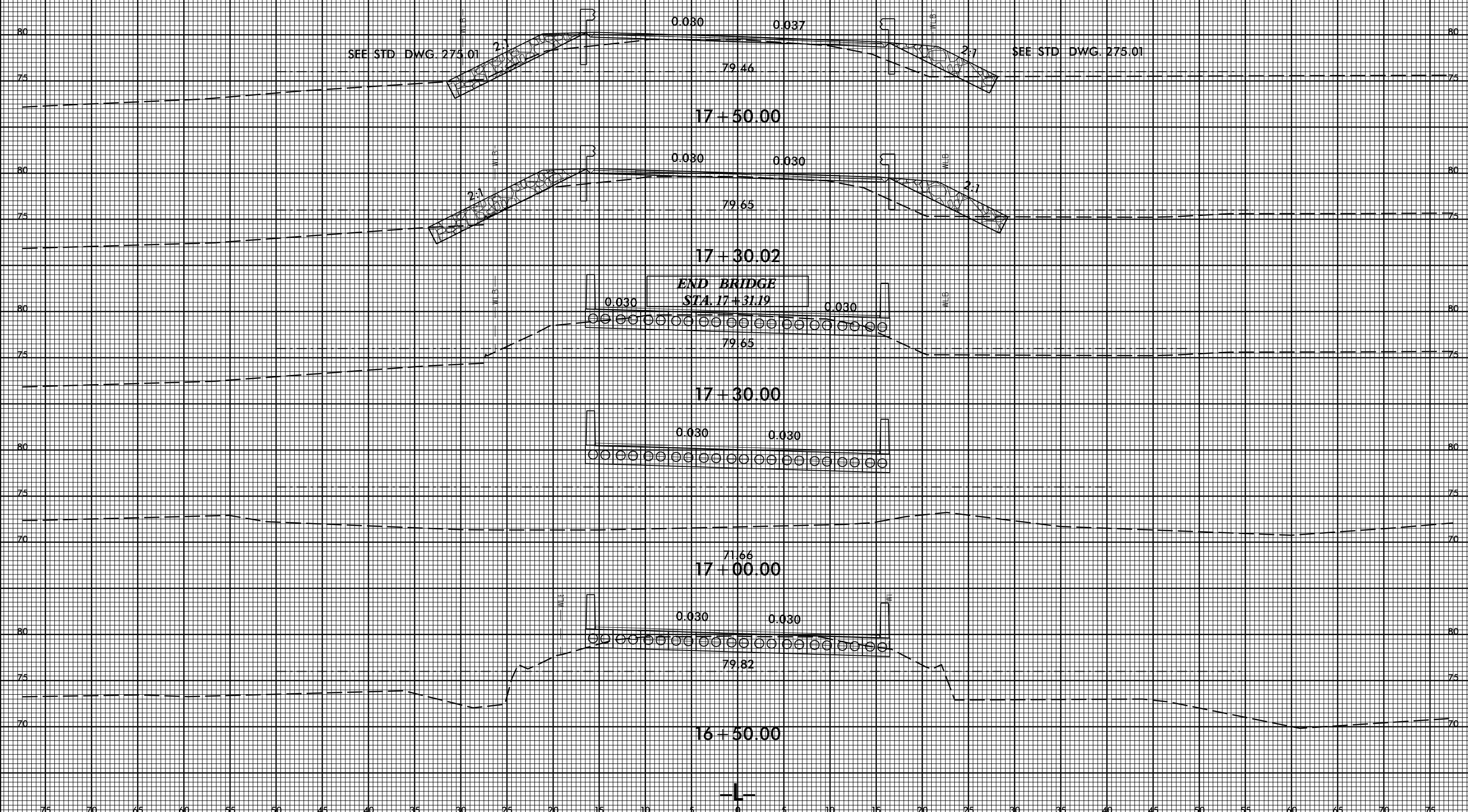
There will be 0.04 ac of temporary fill for erosion control in the hand clearing areas.

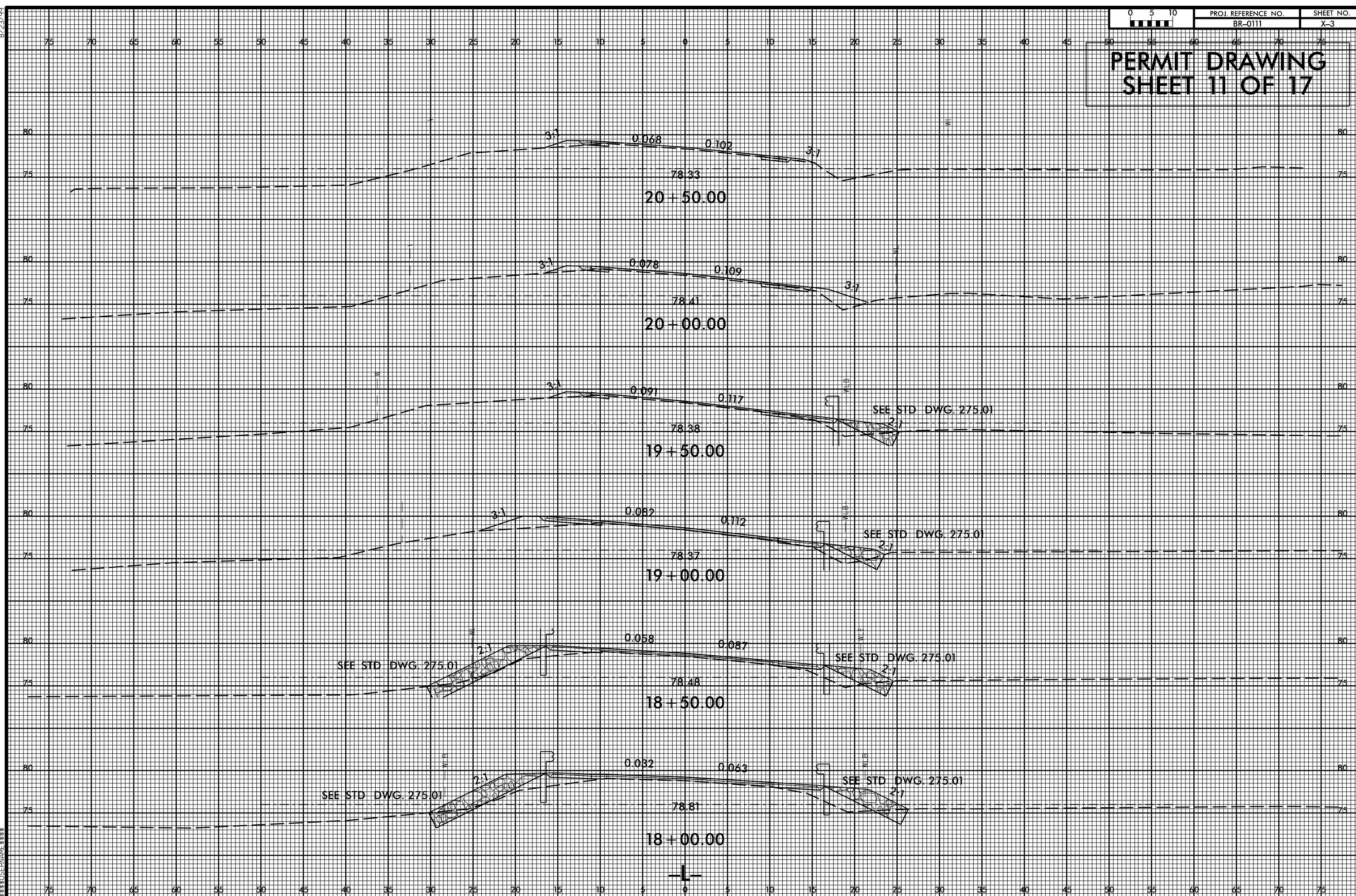
NC DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
BR-0111  
EDGECOMBE CO.  
11/13/2019

**PERMIT DRAWING  
SHEET 9 OF 17**



# PERMIT DRAWING SHEET 10 OF 17







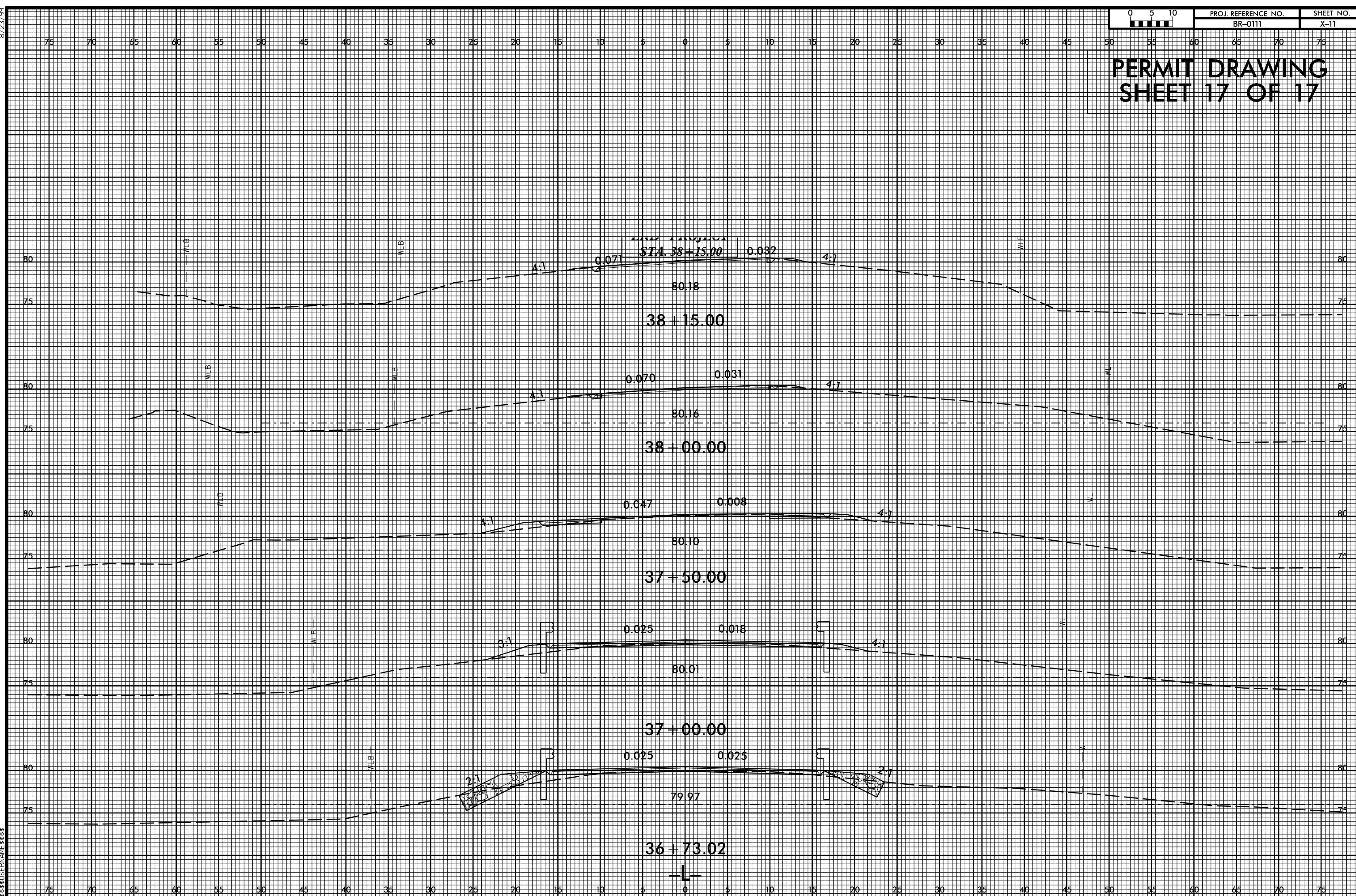
**PERMIT DRAWING  
SHEET 13 OF 17**



**PERMIT DRAWING  
SHEET 15 OF 17**



**PERMIT DRAWING  
SHEET 17 OF 17**



**VICINITY MAP**

**OFF-SITE DETOUR**

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

# *EDGECOMBE COUNTY*

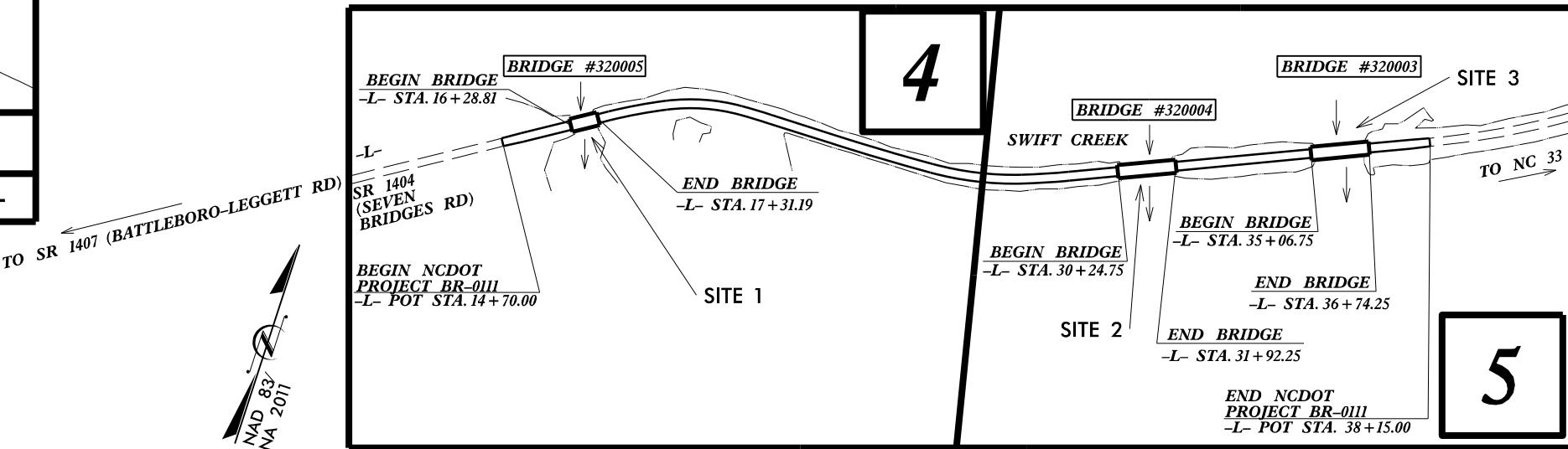
**LOCATION: BRIDGE NO. 320003, 320004, AND 320005 OVER SWIFT CREEK  
ON SR 1404 (SEVEN BRIDGES RD.)**

**TYPE OF WORK: GRADING, DRAINAGE, PAVING & STRUCTURE**

**BRIDGE** #320003  
**BRIDGE** #320004  
**BRIDGE** #320005

# BUFFER DRAWING SHEET 1 OF 5

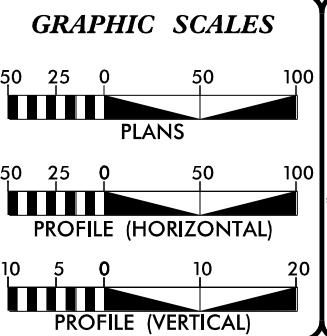
# BUFFER IMPACTS PERMIT



CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD III.  
THIS PROJECT IS NOT WITHIN ANY MUNICIPAL BOUNDARIES.

NOTE:  
DESIGN EXCEPTION REQUIRED FOR THE HORIZONTAL  
CURVE RADIUS AND HORIZONTAL  
STOPPING SIGHT DISTANCE

**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**



***DESIGN DATA***

T = 6 %  
 V = 55 MP  
 (TTST = 3% +  
 DUAL = 3%)  
 FUNC CLASS =  
 MINOR COLLECTOR  
 SUBREGIONAL TIER

### ***PROJECT LENGTH***

LENGTH ROADWAY PROJECT BR-0111 =	0.361 MILES	2018 STATUS
LENGTH STRUCTURE PROJECT BR-0111 =	0.083 MILES	PICURE

TOTAL LENGTH PROJECT BR-0111 = 0.444 MILES OCTOBER 2000

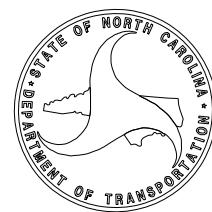
**NCDOT CONTACT:** DAVID STUTTS, PE  
PROJECT ENGINEER - PEF/PROGRAM MGT.

Prepared for,  
**DIVISION OF HIGHWAYS**  
**STRUCTURES MANAGEMENT UNIT**  
1000 BIRCH RIDGE DRIVE RALEIGH NC 27610

<b>2018 STANDARD SPECIFICATIONS</b>	<b>EDWARD G. WETHERILL, PE</b>
<b>RIGHT OF WAY DATE:</b> <u>OCTOBER 23, 2019</u>	<b>PROJECT ENGINEER</b>
<b>LETTING DATE:</b> <u>MAY 19, 2020</u>	<b>GREG S. PURVIS, PE</b>
	<b>PROJECT DESIGN ENGINEER</b>

HYDRAULICS ENGINEER

<u>SIGNATURE:</u>	P.E.
<b>ROADWAY DESIGN ENGINEER</b>	
<u>SIGNATURE:</u>	P.E.



CK PLATE SLOPES STD. 275.01  
OM STA. 15 +82 +/- RT. TO STA. 16 +08 +/- RT.  
OM STA. 15 +76 +/- LT. TO STA. 16 +08 +/- LT.  
OM STA. 17 +52 +/- RT. TO STA. 19 +81 +/- RT.  
OM STA. 17 +52 +/- LT. TO STA. 18 +62 +/- LT.  
OM STA. 28 +24 +/- RT. TO STA. 30 +04 +/- RT.



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Fax: 919 851 8107

JECT REFERENCE NO.		SHEET NO.
<b>BR-0111</b>		<b>4</b>
RW SHEET NO. _____		
OWAY DESIGN ENGINEER	HYDRAULICS ENGINEER	
<b>INCOMPLETE PLANS</b> <b>DO NOT USE FOR I/W ACQUISITION</b>		

## ALLOWABLE IMPACTS ZONE 1 (BRIDGE)

## ALLOWABLE IMPACTS ZONE 1 (ROADWAY)

## **ALLOWABLE IMPACTS ZONE 2 (ROADWAY)**

# BUFFER DRAWING SHEET 2 OF 5

11. **What is the primary purpose of the *Journal of Clinical Endocrinology and Metabolism*?**

**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**

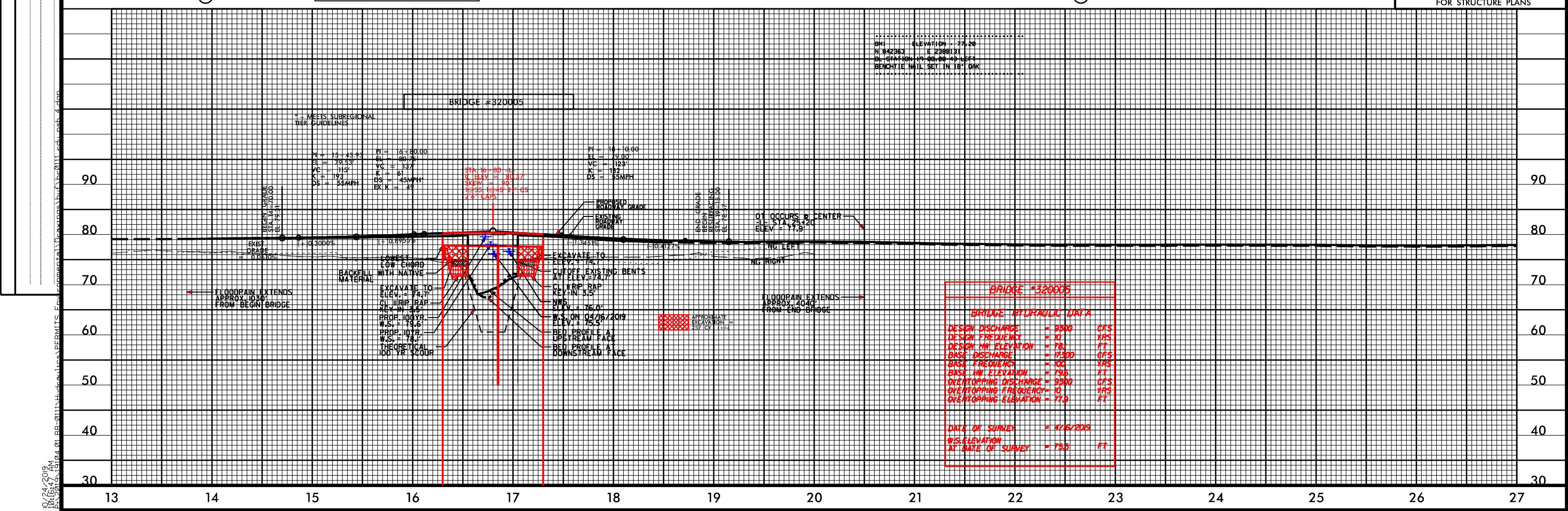
JEFFREY SKINNER ET AL (2)

NOTE:  
DESIGN EXCEPTION REQUIRED FOR THE HORIZONTAL  
CURVE RADIUS AND HORIZONTAL  
STOPPING SIGHT DISTANCE

SHOULDER BERM GUTTER  
FROM STA. 15 + 85.06 RT. TO STA. 16 + 17.94 RT.  
FROM STA. 17 + 42.06 RT. TO STA. 17 + 68.00 RT.

(2) JEFFREY SKINNER ET AL.

SEE SHEETS S-1 THRU S-?  
FOR STRUCTURE PLANS





## BUFFER IMPACTS SUMMARY

SITE NO.	STRUCTURE SIZE / TYPE	STATION (FROM/TO)	IMPACT									BUFFER RESTORATION	
			TYPE			ALLOWABLE			MITIGABLE				
			ROAD CROSSING	BRIDGE	PARALLEL IMPACT	ZONE 1 (ft <sup>2</sup> )	ZONE 2 (ft <sup>2</sup> )	TOTAL (ft <sup>2</sup> )	ZONE 1 (ft <sup>2</sup> )	ZONE 2 (ft <sup>2</sup> )	TOTAL (ft <sup>2</sup> )	ZONE 1 (ft <sup>2</sup> )	ZONE 2 (ft <sup>2</sup> )
1	100' Bridge	-L- 16+25 to 17+25	X			1653	2345	3998					
		-L- 16+25 to 17+25		X		1384		1384					
2	165' Bridge	-L-30+26 to 31+91	X			2607	2491	5098					
		-L-30+26 to 31+91		X		1157		1157					
3	165' Bridge	-L-35+08 to 36+73	X			990	1368	2358					
		-L-35+08 to 36+73		X		2955	1374	4329					
<b>TOTAL:</b>						10746	7578	18324	0	0	0	0	0

N.C. DEPT. OF TRANSPORTATION  
DIVISION OF HIGHWAYS

EDGECOMBE CO.  
BR-0111

4 of 5

10/24/2019

Rev. May 2006

## WETLANDS IN BUFFER IMPACTS SUMMARY

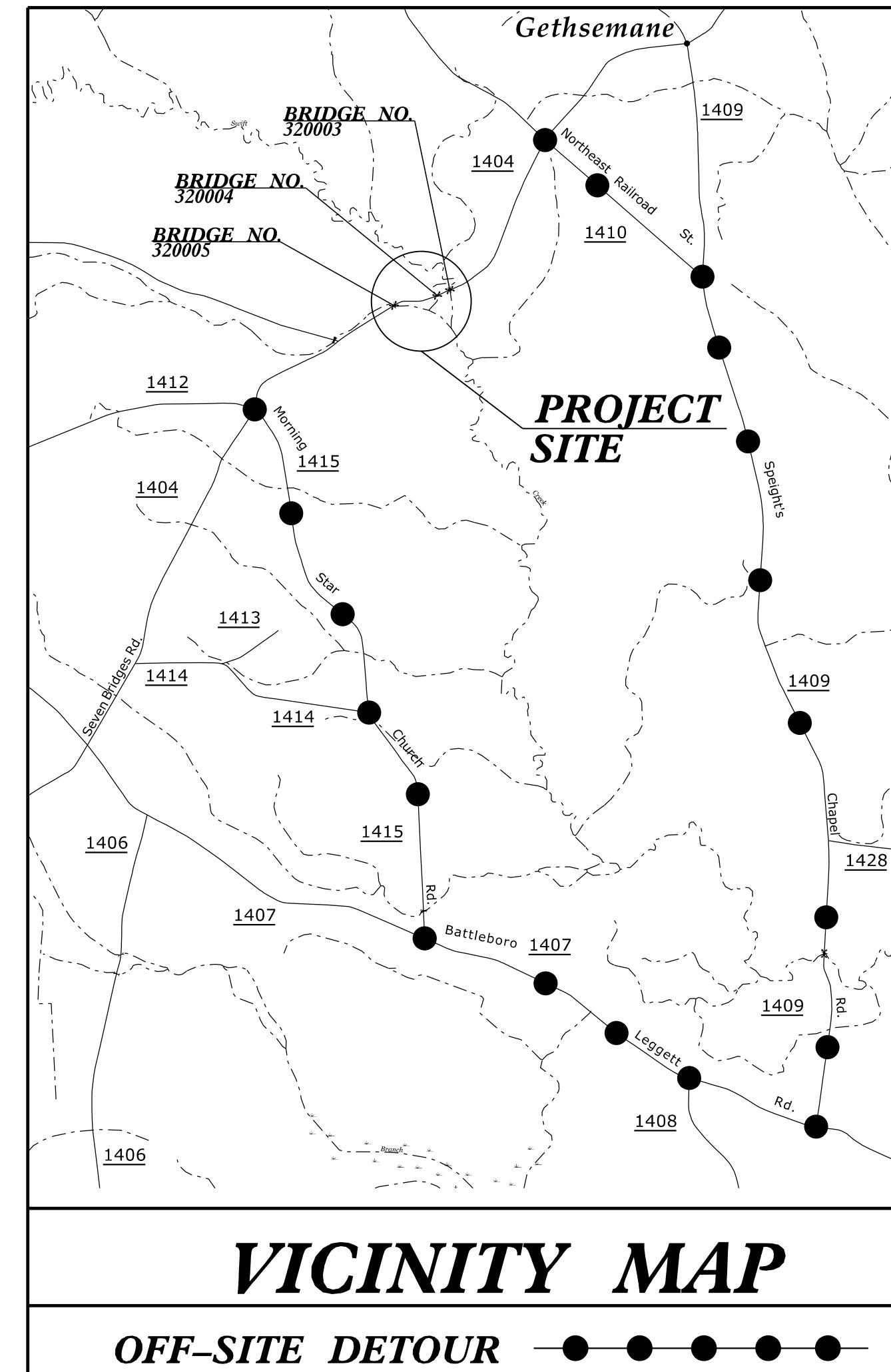
N.C. DEPT. OF TRANSPORTATION  
DIVISION OF HIGHWAYS

BR-0111  
EDGECOMBE CO.

10/24/2019  
SHEET 5 OF 5

**TIP PROJECT: BR-0111**

See Sheet 1-A For Index of Sheets  
 See Sheet 1-B For Conventional Symbols  
 See Sheet 1C-1 TO 1C-2 For Survey Control Sheets

**VICINITY MAP****OFF-SITE DETOUR**

TO SR 1407 (BATTLEBORO-LEGGETT RD)  
 NAD 83  
 2007

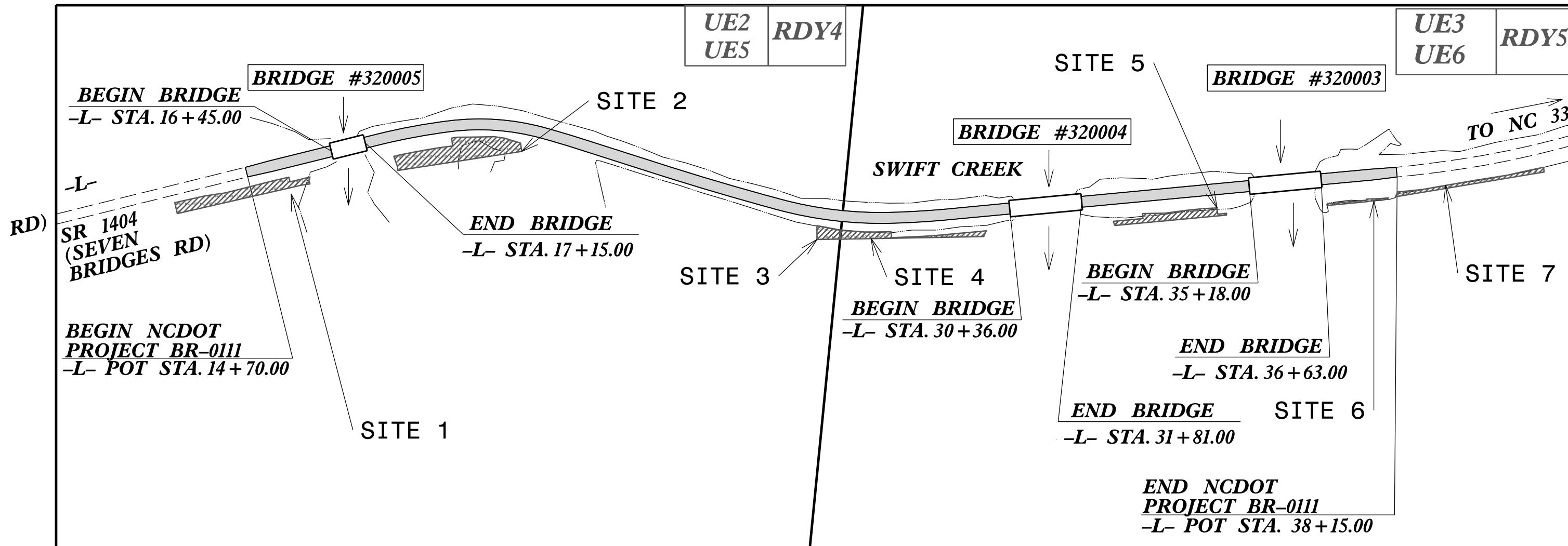
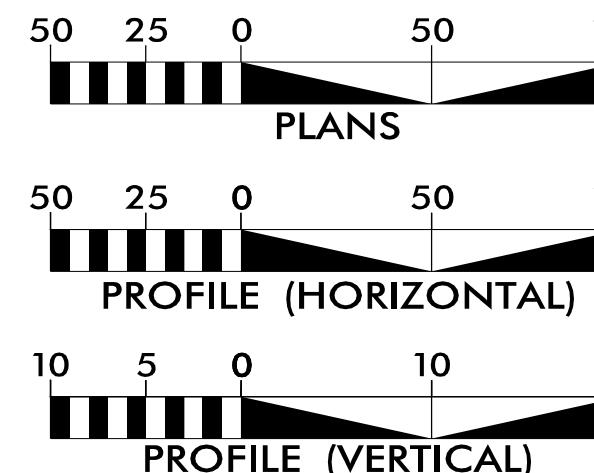
**STATE OF NORTH CAROLINA  
 DIVISION OF HIGHWAYS**

**UTILITY PERMIT DRAWINGS  
 EDGECOMBE COUNTY**

**LOCATION: BRIDGE NO. 320003, 320004, AND 320005 OVER SWIFT CREEK  
 ON SR 1404 (SEVEN BRIDGES RD.)**

**TYPE OF WORK: RELOCATION OF POWER AND COMMUNICATION LINES**

**WETLAND IMPACTS**

**GRAPHIC SCALES****INDEX OF SHEETS**

<b>SHEET NO.:</b>	<b>DESCRIPTION:</b>
UE-1	UE BUFFER IMPACTS TITLE SHEET
UE-2 THRU UE-3	UE BUFFER IMPACTS PLAN SHEETS
UE-4	UE WETLAND IMPACTS TITLE SHEET
UE-5 THRU UE-6	UE WETLAND IMPACTS PLAN SHEETS

**UTILITY OWNERS WITH CONFLICTS**

(A) POWER - EDGECOMBE-MARTIN CO EMC  
 (B) COMMUNICATION - SUDDENLINK

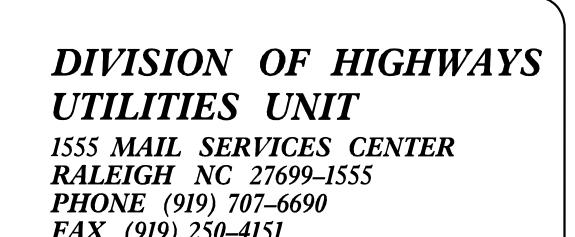
**PREPARED IN THE OFFICE OF:**

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 Raleigh, NC 27606  
 License No F-0377  
 Bus: 919 851 8077  
 Fax: 919 851 8107

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN

CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

Tyron Stallings PROJECT UTILITY COORDINATOR



DIVISION OF HIGHWAYS  
 UTILITIES UNIT  
 1555 MAIL SERVICES CENTER  
 RALEIGH NC 27699-1555  
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Nabil Hamdan	UTILITIES REGIONAL ENGINEER
Kelvin Martin EI	UTILITIES ENGINEER
Kyle Pleasant	UTILITIES AREA COORDINATOR
Larry James	UTILITIES COORDINATOR

**UTILITIES BY OTHERS**

ALL PROPOSED UTILITY WORK SHOWN ON THIS SHEET WILL BE DONE BY OTHERS. NO PAYMENT WILL BE MADE TO THE CONTRACTOR FOR PROPOSED UTILITY WORK SHOWN ON THIS SHEET.



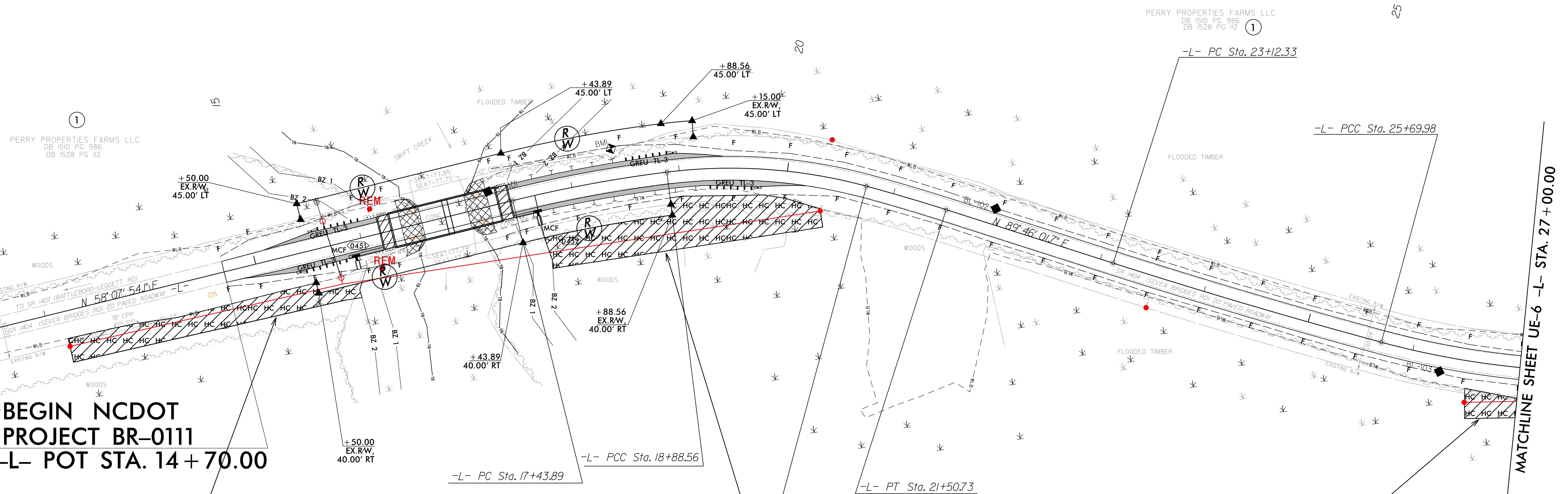
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CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

PERMIT DRAWING  
SHEET 2 OF 3  
UTILITIES

# UTILITY PERMIT PLANS WETLAND IMPACTS

NAD  
83  
GRID  
NA 2001



DENOTES HAND  
CLEARING

# UTILITY PERMIT PLANS WETLAND IMPACTS

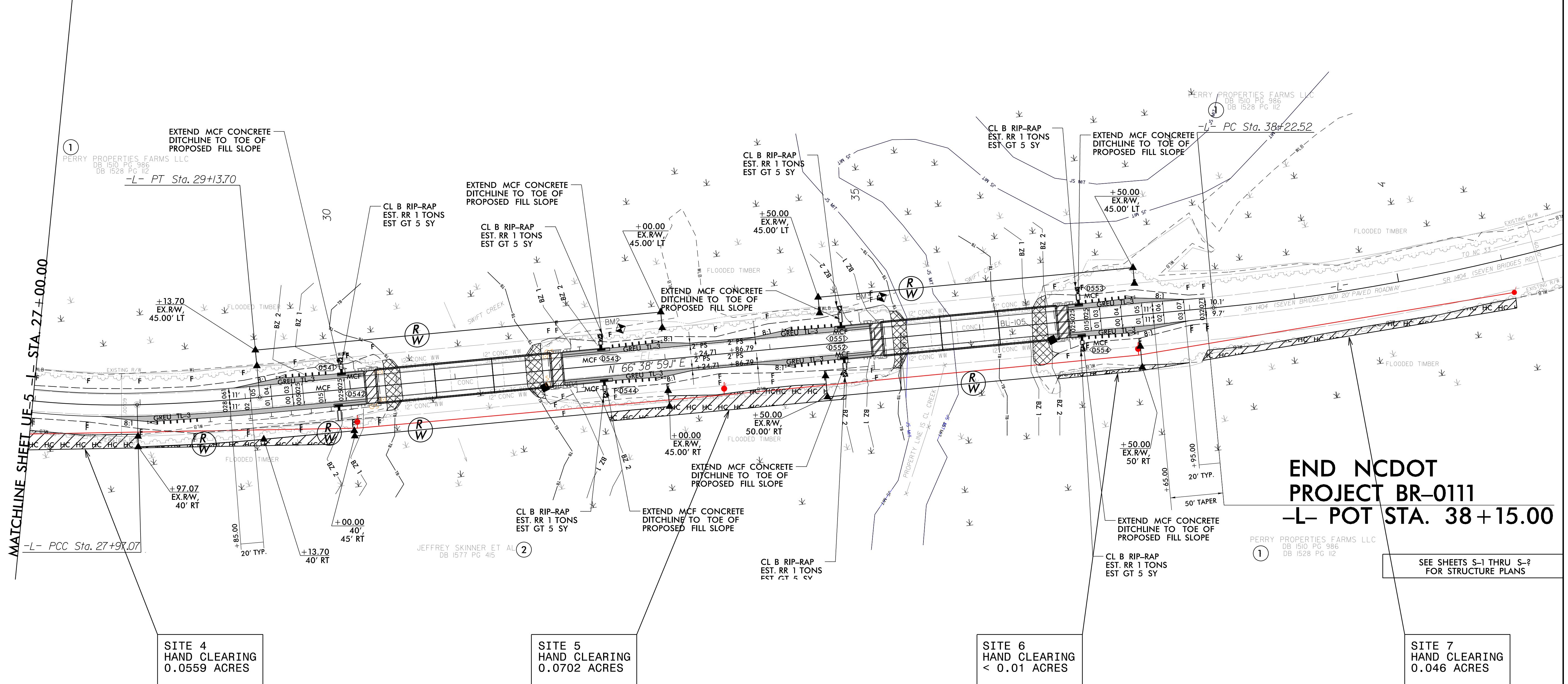
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CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION**

MIT DRAWING  
ET 3 OF 3



WETLAND PERMIT IMPACT SUMMARY												
Site No.	Station (From/To)	Structure Size / Type	WETLAND IMPACTS					SURFACE WATER IMPACTS				
			Permanent Fill In Wetlands (ac)	Temp. Fill In Wetlands (ac)	Excavation in Wetlands (ac)	Mechanized Clearing in Wetlands (ac)	Hand Clearing in Wetlands (ac)	Permanent SW impacts (ac)	Temp. SW impacts (ac)	Existing Channel Impacts Permanent (ft)	Existing Channel Impacts Temp. (ft)	Natural Stream Design (ft)
1	-L- 13+16.40 to 15+91.00 RT	Aerial Lines					0.123					
2	-L- 17+64.84 to 20+31.79 RT	Aerial Lines					0.203					
3	-L- 26+48.46 to 27+00.00 RT	Aerial Lines					0.025					
4	-L- 27+00.00 to 29+85.03 RT	Aerial Lines					0.056					
5	-L- 32+40.22 to 34+67.70 RT	Aerial Lines					0.071					
6	-L- 36+69.12 to 37+94.58 RT	Aerial Lines					<0.01					
7	-L- 38+07.61 to 41+04.42 RT	Aerial Lines					0.046					
TOTALS*:			0.00	0.00	0.00	0.00	0.52	0.00	0.00	0.00	0.00	

Rounded totals are sum of actual impacts

NOTES:

NC DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

15 November 2019

Edgecombe County

BR-0111

67111.1.1

SHEET

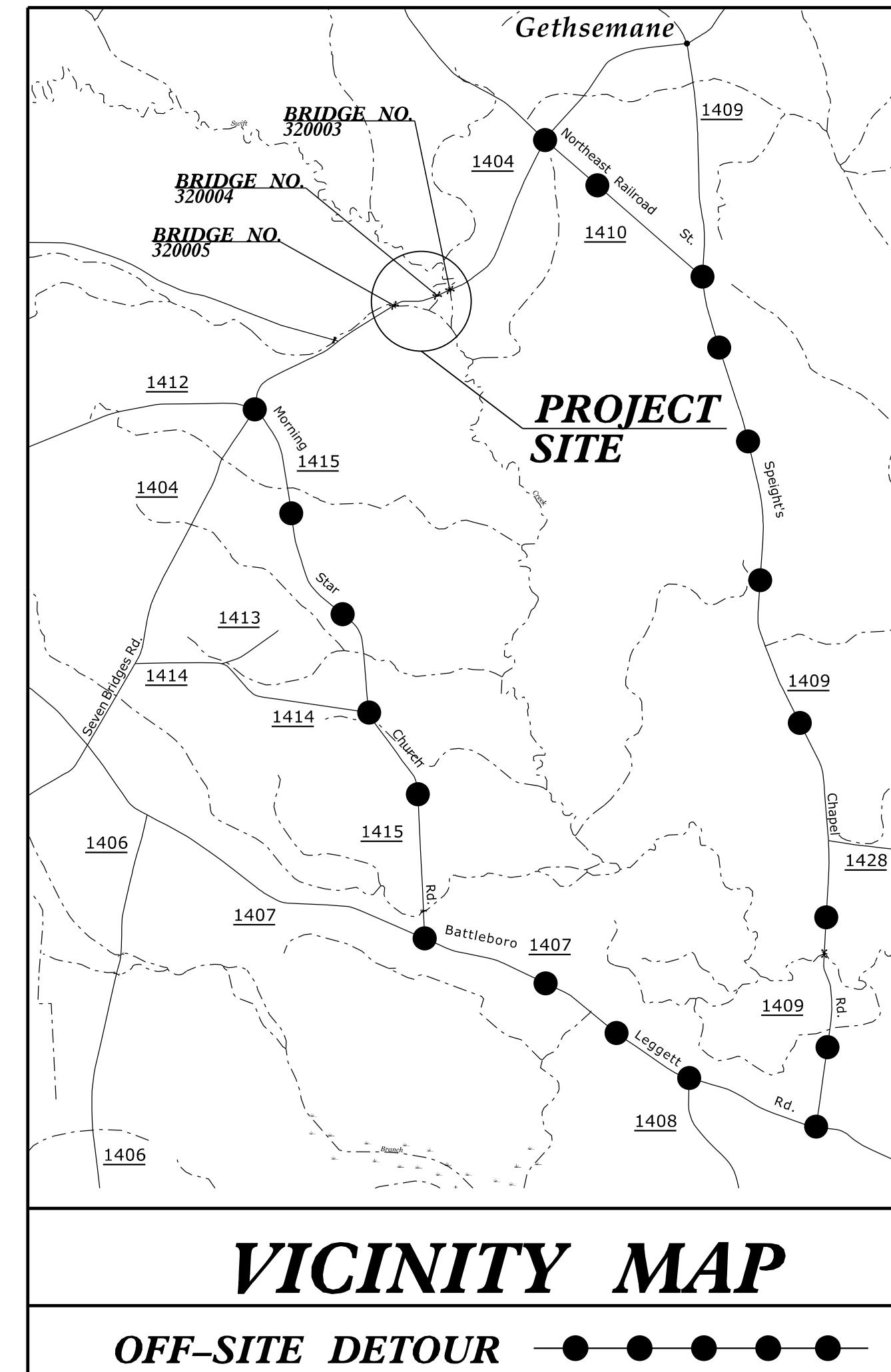
1

OF

1

**TIP PROJECT: BR-0111**

See Sheet 1-A For Index of Sheets  
 See Sheet 1-B For Conventional Symbols  
 See Sheet 1C-1 TO 1C-2 For Survey Control Sheets



TO SR 1407 (BATTLEBORO-LEGGETT RD)  
 NAD 83  
 2007

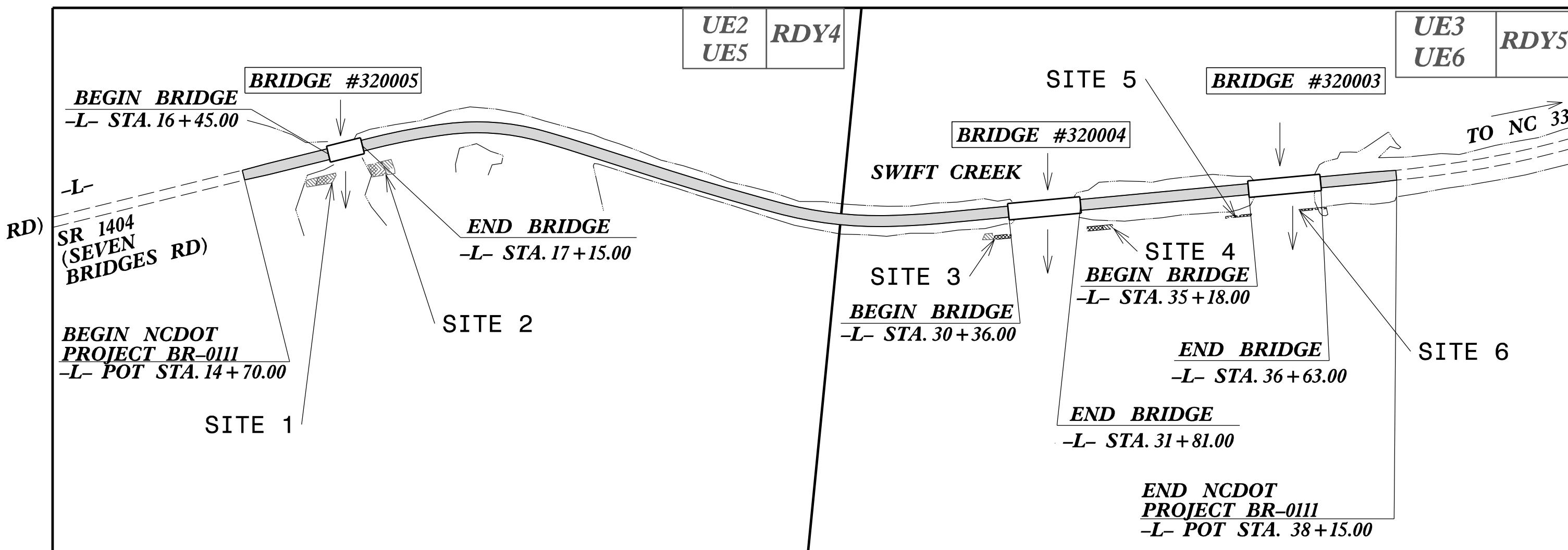
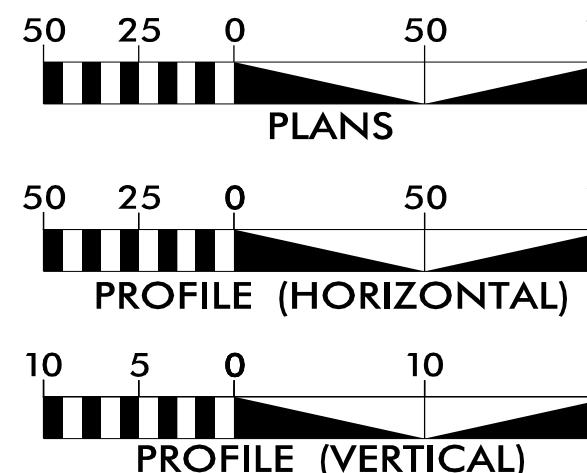
**STATE OF NORTH CAROLINA  
 DIVISION OF HIGHWAYS**

**UTILITY PERMIT DRAWINGS  
 EDGECOMBE COUNTY**

**LOCATION: BRIDGE NO. 320003, 320004, AND 320005 OVER SWIFT CREEK  
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**TYPE OF WORK: RELOCATION OF POWER AND COMMUNICATION LINES**

**BUFFER IMPACTS**

**GRAPHIC SCALES****INDEX OF SHEETS**

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**UTILITY OWNERS WITH CONFLICTS**

(A) POWER - EDGECOMBE-MARTIN CO EMC  
 (B) COMMUNICATION - SUDDENLINK



TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN

CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

Tyron Stallings PROJECT UTILITY COORDINATOR



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<u>Larry James</u>	UTILITIES COORDINATOR

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## TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

# UTILITY PERMIT PLANS BUFFER ZONE IMPACTS

PERMIT DRAWING  
SHEET 2 OF 3

---

UTILITIES

5/14/15

PERRY PROPERTIES FARMS LLC  
DB 1510 PG 986  
DB 1528 PG 112

**BEGIN NCDOT  
PROJECT BR-0111  
-L- POT STA. 14 + 70.00**

JEFFREY SKINNER ET AL 2  
DB 1577 PG 415

20

**MATCHLINE SHEET UF-3 -L- STA. 27 + 00.00**

DB 1528 PG II2

-L- PC Sta. 17+43.89

-L- PCC Sta. 18+88.56

-L- PCC Sta. 20+74.07

-L- PT Sta. 21+50.73

-L- PC Sta. 23+12.33

-L- PCC Sta. 25+69.98

2

JEFFREY SKINNER ET AL  
RD 1577 PO 15

SEE SHEETS S-1 THRU  
FOR STRUCTURE PL

**MATCHLINE SHEET UE-3 -L- STA. 27 + 00.00**

**SHEETS S-1 THRU S-?  
R STRUCTURE PLANS**

**SITE 2**  
**ALLOWABLE IMPACT**

SITE 1  
ALLOWABLE IMPACT  
BZ1 605.83 SQFT.  
BZ2 311.30 SQFT.

The diagram consists of two horizontal rectangular boxes. The left box is filled with a green hatched pattern of small squares. The right box is filled with a pink hatched pattern of diagonal lines. To the right of the green box is the text 'ALLOWABLE IMPACTS ZONE 1'. To the right of the pink box is the text 'ALLOWABLE IMPACTS ZONE 2'.

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CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION**

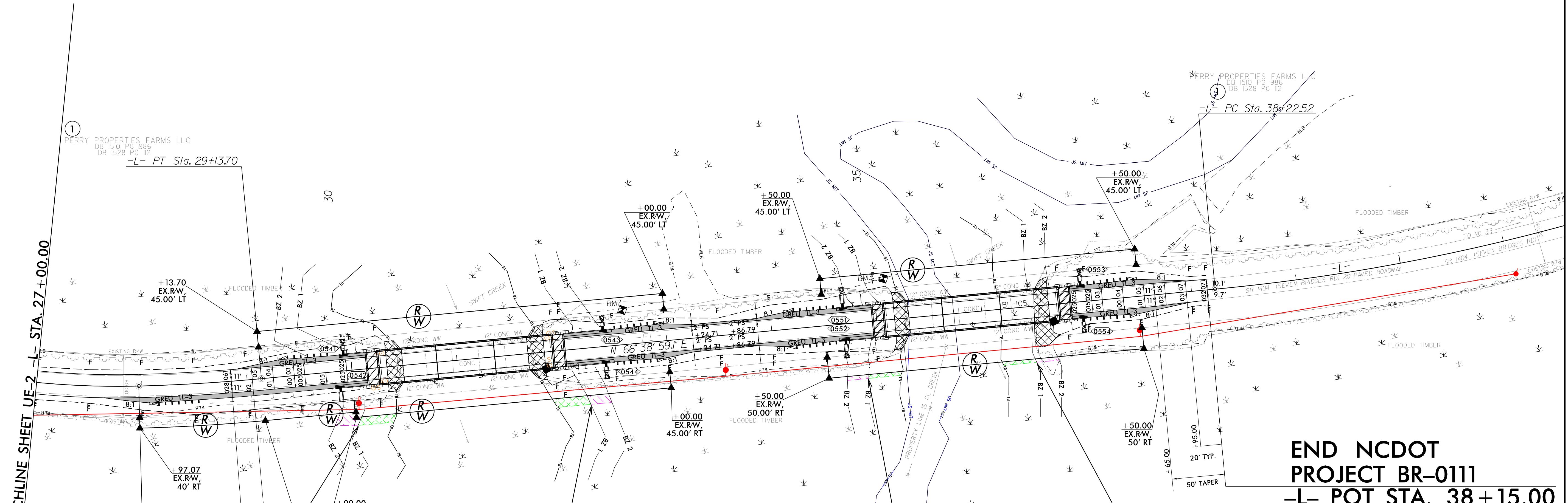
PERMIT DRAWING  
SHEET 3 OF 3

## UTILITIES

 ALLOWABLE IMPACTS ZONE 2

## MATCHLINE SHEET UF-2

# UTILITY PERMIT PLANS BUFFER ZONE IMPACTS



END NCDOT  
PROJECT BR-0111  
-L- POT STA. 38 + 15.00

PERRY PROPERTIES FARMS LLC  
DB 1510 PG 986  
DB 1528 PG 112

PLATE SHEETS S-1 THRU S-?

SITE 3  
ALLOWABLE IMPACTS  
BZ1 265.25 SQFT.  
BZ2 236.71 SQFT.

SITE 4  
ALLOWABLE IMPACT  
BZ1 274.12 SQFT.  
BZ2 173.12 SQFT.

**SITE 5  
ALLOWABLE IMPACTS**

SITE 6  
ALLOWABLE IMPACTS  
BZ1 105.49 SQFT.  
BZ2 69.43 SQFT.

# UTILITY BUFFER IMPACTS SUMMARY

**N.C. DEPT. OF TRANSPORTATION  
DIVISION OF HIGHWAYS**

EDGECOMBE COUNTY  
PROJECT: 67111.1.1 (BR-0111)

15-Nov-2019  
SHEET 1 OF 1