



## Pre-Construction Notification (PCN) Form

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

October 26, 2020 Ver 3.3

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: \*

Brunswick

Is this a NCDMS Project \*

☐ Yes ☒ No

Click Yes, only if NCDMS is the applicant or co-applicant.

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:

B-5642

WBS # \*

45597.1.1

(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)

Has this PCN previously been submitted? \*

☐ Yes

☒ No

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:

NWP Numbers (for multiple NWPS):

NWP 57-Electric Utility Line and Telecommunications Activities

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

Regional General Permit (RGP) Number:

201902350 - Work associated with bridge construction, widening, replacement, and interchanges

RGP Numbers (for multiple RGPs):

List all RGP 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  
☐ Non-404 Jurisdictional General Permit  
☐ Individual Permit

- ☐ 401 Water Quality Certification - Express  
☐ Riparian Buffer Authorization

## Pre-Filing Meeting Information

Before submitting this form please ensure you have submitted the Pre-Filing Meeting Request Form as we will not be able to accept your application without this important first step. The Pre-Filing Meeting Request Form is used in accordance with 40 C.F.R. Section 121.4(a) "At least 30 days prior to submitting a certification request, the project proponent shall request a pre-filing meeting with the certifying agency" and in accordance with 40 C.F.R. Section 121.5(b)(7), and (c)(5) all certification requests shall include documentation that a pre-filing meeting request was submitted to the certifying authority at least 30 days prior to submitting the certification request. Click [here](#) to read more information on when this form is needed prior to application submission or [here](#) to view the form.

**ID#**

20201511

**Version**

1

**Pre-filing Meeting or Request Date \***

9/28/2020

**Attach documentation of Pre-Filing Meeting Request here: \***

Pre-Filing Notification Letter and List for 12 MLL.pdf

304.57KB

**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

B-5642 - RW - CF 05.pdf

366.47KB

FILETYPE MUST BE PDF

**1h. Is the project located in any of NC's twenty coastal counties? \***

☒ Yes ☐ No

**1i. Is the project located within a NC DCM Area of Environmental Concern (AEC)? \***

☐ Yes ☒ No ☐ Unknown

**1j. Is the project located in a designated trout watershed? \***

☐ Yes ☒ No

Link 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? \***

Gordon Cashin

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

gcashin@ncdot.gov

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

(xxx)xxx-xxxx

(919)749-0442

**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: \***

Multiple properties

**2b. Deed book and page no.:**

**2c. Responsible party:**

(for Corporations)

## 2d. Address \*

Street Address

1000 Birch Ridge Drive

Address Line 2

City

Raleigh

Postal / Zip Code

27610

State / Province / Region

NC

Country

USA

## 2e. Telephone Number: \*

(xxx)xxx-xxxx

(919)707-6107

## 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: \*

Bridge No. 65 on NC 87 over Batarora Branch (Hold Creek) B-5642 (Central)

### 1b. Subdivision name:

(if appropriate)

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

Sandy Creek

## 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

Postal / Zip Code

State / Province / Region

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: \*

34.248203

ex: 34.208504

### Longitude: \*

-78.144823

-77.796371

## 3. Surface Waters

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

Batarora Branch (Hold Creek)

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

C; Sw

[Surface Water Lookup](#)

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

Cape Fear

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

03030005

[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: \***

The project vicinity is forested, with rural residences along the highway.

**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:**

6.8

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

(intermittent and perennial)

313

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

Replace the existing NC 87 bridge over the stream, which will also require relocating existing utilities.

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

The existing 61 foot long, 29 foot wide, 3-span structure will be replaced on the existing alignment. The new bridge will be 70 feet long and and a minimum 42-foot 10-inch clear roadway width. Standard roadbuilding equipment will be used. Aerial power lines and an underground fiber optic cable need to be adjusted along the project (see attached utility narrative).

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

[Click the upload button or drag and drop files here to attach document](#)

B5642_Permit Package Wetland_20210127.pdf	2.28MB
B5642_Permit Package Wetland_Utility_20210324.pdf	1.73MB
B-5642 NEU NARRATIVE.pdf	176.53KB

File type must be pdf

## 5. Jurisdictional Determinations

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

☒ Yes ☐ No ☐ Unknown

Comments:

**5b. If the Corps made a jurisdictional determination, what type of determination was made? \***

☒ Preliminary ☐ Approved ☐ Not Verified ☐ Unknown ☐ N/A

**Corps AID Number:**

[Example: SAW-2017-99999](#)

SAW-2016-02146

**5c. If 5a is yes, who delineated the jurisdictional areas?**

Name (if known): Mark Mickley  
Agency/Consultant Company: Calyx Engineers + Consultants  
Other:

**5d. List the dates of the Corp jurisdiction determination or State determination if a determination was made by the Corps or DWR.**

November 7, 2016 by Brad Shaver

**5d1. Jurisdictional determination upload**

[Click the upload button or drag and drop files here to attach document](#)

B-5642 final signed PJD tearsheet.pdf	41.39KB
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File type must be PDF

## 6. Future Project Plans

**6a. Is this a phased project? \***

☐ Yes ☒ No

Are any other NWP(s), regional general permit(s), or individual permits(s) used, or intended to be used, to authorize any part of the proposed project or related activity? This includes other separate and distant crossing for linear projects that require Department of the Army authorization but don't require pre-construction notification.

## D. Proposed Impacts Inventory

### 1. Impacts Summary

**1a. Where are the impacts associated with your project? (check all that apply):**

- ☒ Wetlands
- ☐ Streams-tributaries
- ☐ Buffers
- ☐ Open Waters
- ☐ Pond Construction

## 2. Wetland Impacts

If there are wetland impacts proposed on the site, then complete this question for each wetland area impacted.

"W." will be used in the table below to represent the word "wetland".

2a. Site # <sup>*</sup> (?)	2a1 Reason <sup>*</sup> (?)	2b. Impact type <sup>*</sup> (?)	2c. Type of W. <sup>*</sup>	2d. W. name <sup>*</sup>	2e. Forested <sup>*</sup>	2f. Type of Jurisdiction <sup>*</sup> (?)	2g. Impact area <sup>*</sup>
1	Mechanized clearing	P	Bottomland Hardwood Forest	WA	Yes	Both	0.001 (acres)
2	Roadway fill	P	Bottomland Hardwood Forest	WA	Yes	Both	0.015 (acres)
2	Mechanized landclearing	P	Bottomland Hardwood Forest	WA	Yes	Both	0.034 (acres)
3	Roadway fill	P	Bottomland Hardwood Forest	WA	Yes	Both	0.021 (acres)
3	Mechanized landclearing	P	Bottomland Hardwood Forest	WA	Yes	Both	0.032 (acres)
3	Utilities	P	Bottomland Hardwood Forest	WA	Yes	Both	0.010 (acres)

### 2g. Total Temporary Wetland Impact

0.000

### 2g. Total Permanent Wetland Impact

0.113

### 2g. Total Wetland Impact

0.113

### 2h. Comments:

0.31 acre of hand clearing in wetlands is needed for utility relocations.

## 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:\*

The bridge will be replaced on the existing alignment using an offsite detour. Rock-plating has been used on steepened slopes through the wetlands to minimize impacts.

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

Best Management Practices for Construction and Maintenance Activities will be used.

## 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)

### 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)

### 4e. Riparian wetland mitigation requested:

(acres)

0.12

4f. Non-riparian wetland mitigation requested:

(acres)

4g. Coastal (tidal) wetland mitigation requested:

(acres)

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

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

If no, explain why:

Buffer rules do not apply to the Cape Fear Basin in Brunswick County.

### 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 existing bridge being replaced, this project will neither influence nearby land uses nor stimulate growth.

### 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

What Federal Agency is involved?

NMFS

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

☒ Yes ☐ No

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

USFWS county list, IPaC, coordination with USFWS and NMFS. Updated surveys will be updated prior to construction.

Consultation Documentation Upload

[Click the upload button or drag and drop files here to attach document](#)

20210420\_ltr\_USFWS\_NCDOT\_B-5642.pdf

178.42KB

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? \*

Coordination with NMFS during NRTR research, Essential Fish Mapper checked in 2021.

## 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? \*

Programmatic CE 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 mapping

## Miscellaneous

Comments

Written approval from DWR is required for the GP 50 however with the NW 57, it does not appear DWR's authorization will require an Individual 401 WQC as impacts due to utility relocations falling below requirements for written approval.

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:

- The project proponent hereby certifies that all information contained herein is true, accurate, and complete to the best of my knowledge and belief; and
- The project proponent hereby requests that the certifying authority review and take action on this CWA 401 certification request within the applicable reasonable period of time.
- 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**\*

A handwritten signature in black ink that reads "Mack C. Rivenbark, III". The signature is written in a cursive style with a clear, legible font.

**Date**

4/21/2021





STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

ROY COOPER  
GOVERNOR

J. ERIC BOYETTE  
SECRETARY

September 28, 2020

N.C. Division of Water Quality  
Transportation Permitting Branch  
512 N. Salisbury Street – Archdale Building 12<sup>th</sup> Floor  
Raleigh NC 27604

ATTN: Ms. Amy Chapman, Transportation Permitting Branch Supervisor

Subject: **Request for Pre-filing Meeting, pursuant to Clean Water Act Certification Rule**

Dear Madam:

In accordance with 40 CFR Part 121 of the Clean Water Act Section 401 Certification Rule, effective September 11, 2020, the following documentation is submitted by NCDOT [the project proponent] to serve as a pre-filing notification with the certifying agency, at least 30 days prior to the submission of the 401 Certification Request.

It is anticipated the NCDOT will request a 401 Certification for the projects found on the attached NCDOT 12-month letting list.

NCDOT does not request a meeting for the projects identified. We believe this satisfies the Rule Modification pursuant to 40 CFR Part 121. Please advise if you have any questions or require additional information.

Sincerely,

*Carla Dagnino*

*for* Philip S. Harris III, P.E., C.P.M.  
Environmental Analysis Unit Head

## Projects Potentially Requiring Notification per New 401 EPA Rule 12 Month Let List SEPT 2020 - SEPT 2021 (from 36 Month Let List)

<u>DWR Rep</u>	<u>NCDOT Contact</u>	<u>Let Date</u>	<u>TIP</u>	<u>Let Type</u>	<u>Div</u>	<u>County</u>	<u>Project Description</u>	<u>Type of Previous DWR Correspondence</u>
Chapman	Bill Barrett	09/21/2021	B-5728	Raleigh Letting	7	Alamance	REPLACE BRIDGE 112 OVER REEDY FORK CREEK IN OSSIPEE ON NC 87	No Files found in Laserfiche
Hood	Erin Cheely	05/18/2021	B-4407	Raleigh Letting	10	Anson, Stanly	BRIDGE 70 OVER ROCKY RIVER ON US 52	No Files found in Laserfiche
Hood	Erin Cheely	03/16/2021	B-5818	Raleigh Letting	10	Anson	REPLACE BRIDGE 11 OVER DEADFALL CREEK ON NC 109	No Files found in Laserfiche
Hood	Bill Barrett	07/20/2021	BR-0107	Raleigh Letting	12	Iredell	SR 1577 BRIDGE 131 REPLACE BRIDGE 131 OVER TO SNOW CREEK.	No Files found in Laserfiche
Hood	Rail Division	08/17/2021	P-5705A	Raleigh Letting	10	Mecklenburg	CHARLOTTE WYE CONNECTION - RAIL	No Files found in Laserfiche
Ridings	Chris Murray	02/16/2021	B-5318	DDRL	5	Wake	REPLACE BRIDGE 910126 OVER SMITHS CREEK SR 2044 (LIGON MILLROAD) IN WAKE FOREST	Laserfiche Files: Scoping Letter
Steenhuis	Gordon Cashin	07/20/2021	B-5624	Raleigh Letting	3	Brunswick	BRIDGE 57 OVER JUNIPER CREEK ON NC 211	Laserfiche Files: P/JD Package
Steenhuis	Gordon Cashin	07/20/2021	B-5642	Raleigh Letting	3	Brunswick	BRIDGE 65 OVER HOOD CREEK ON NC 87	No Files found in Laserfiche
Steenhuis	Chris Rivenbark	05/18/2021	BR-0017	Raleigh Letting	3	Duplin	BRIDGE 300012 ON NC 11 OVER LITTLE ROCKFISH CREEK	Laserfiche Files: P/JD Package
Steenhuis	Greg Price	07/20/2021	I-5878	DDRL	6	Harnett	I-95 AT US 421 (EXIT 73) AND SR 1793 (POPE ROAD) (EXIT 72).IMPROVE INTERCHANGES. WIDEN TO EIGHT LANES. (COMB W/I-5883 & I-5986B).	No Files found in Laserfiche
Steenhuis	Greg Price	07/20/2021	I-5883	DDRL	6	Harnett	I-95 AT SR 1808 (JONESBORO ROAD) (EXIT 75) TO NORTH OF SR 1709 (HODGES CHAPEL ROAD) (EXIT 77). IMPROVE INTERCHANGES. WIDEN TO EIGHT LANES. (COMB W/I-5878 & I-5986B).	Laserfiche Files: Scoping Letter and JD Request
Steenhuis	Greg Price	07/20/2021	I-5986B	DDRL	6	Harnett, Johnston	I-95 FROM SR 1709 (HODGES CHAPEL ROAD - EXIT 77) TO I-40 (EXIT 81). WIDEN TO EIGHT LANES HARNETT/JONSTON COUNTIES. (COMB W/I-5878 & I-5883).	No Files found in Laserfiche
Steenhuis	Jason Dilday	04/20/2021	R-2561CA	DDRL	6	Columbus	NC 87 AT NC 11. CONSTRUCT INTERCHANGE.	Laserfiche Files: P/JD Package
Steenhuis	Greg Price	04/20/2021	R-5797	DDRL	6	Columbus	US 74 AT SR 1506 (BOARDMAN ROAD)	Laserfiche Files: P/JD Package
Wanucha	Kevin Hining	07/20/2021	17BP.11.R.15	DDRL	11	Wilkes	BRIDGE 419 ON SR 1148 OVER NAKED CREEK.	No Files found in Laserfiche
Wanucha	Erin Cheely	06/15/2021	BR-0048	Raleigh Letting	11	Surry	BRIDGE 103 ON NC 268 OVER MITCHELL RIVER REPLACE BRIDGE.	Laserfiche Files: Start of Study Letter

Wanucha	Jeff Hemphill	07/20/2021	BR-0108	Raleigh Letting	11	Wilkes	SR 2418 BRIDGE 4 REPLACE BRIDGE 4 OVER LITTLE HUNTING CREEK.	No Files found in Laserfiche
Ward	Jason Dilday	09/21/2021	B-4926	DDRL	2	Lenoir	NEUSE RIVER - REPLACE BRIDGE NO. 20 AND 34 OVER NEUSE RIVEROVERFLOW ON NC 55	Laserfiche Files: Previous NW 6
Ward	Deanna Riffey	09/21/2021	B-5614	Raleigh Letting	2	Beaufort	REPLACE BRIDGE 9 OVER BLOUNTS CREEK ON SR 1112	No Files found in Laserfiche
Ward	Deanna Riffey	05/18/2021	B-5619	Raleigh Letting	2	Lenoir	REPLACE BRIDGE 52 OVER NEUSE RIVER AND REPLACE BRIDGE 152 OVER NEUSE RIVER OVERFLOW ON SR 1389 (HARDY BRIDGE ROAD)	No Files found in Laserfiche
Ward	Deanna Riffey	09/21/2021	BR-0004	Raleigh Letting	2	Beaufort	BRIDGE 060066 ON US 264 OVER PUNGO RIVER	No Files found in Laserfiche

ROY COOPER  
Governor  
DIONNE DELLI-GATTI  
Secretary  
TIM BAUMGARTNER  
Director



March 29, 2021

Mr. Philip S. Harris, III, P.E.  
Environmental Analysis Unit  
North Carolina Department of Transportation  
1598 Mail Service Center  
Raleigh, North Carolina 27699-1598

Dear Mr. Harris:

Subject: Mitigation Acceptance Letter:

**B-5642**, Replace Bridge 65 on NC 87 over Hood Creek, Brunswick County

The purpose of this letter is to notify you that the Division of Mitigation Services (DMS) will provide the compensatory wetland mitigation for the subject project. Based on the information supplied by you on March 26, 2021, the impacts are located in CU 03030005 of the Cape Fear River basin in the Southern Outer Coastal Plain (SOCP) Eco-Region, and are as follows:

Cape Fear 03030005 SOCP	Stream			Wetlands			Buffer (Sq. Ft.)	
	Cold	Cool	Warm	Riparian	Non-Riparian	Coastal Marsh	Zone 1	Zone 2
Impacts (feet/acres)	0	0	0	0.120	0	0	0	0

\*Some of the wetland impacts may be proposed to be mitigated at a 1:1 mitigation ratio. See permit application for details.

The impacts and associated mitigation needs were under projected by the NCDOT in the 2021 impact data. DMS will commit to implement sufficient compensatory wetland mitigation credits to offset the impacts associated with this project as determined by the regulatory agencies using the delivery timeline listed in Section F.3.c.iii of the In-Lieu Fee Instrument dated July 28, 2010. If the above referenced impact amounts are revised, then this mitigation acceptance letter will no longer be valid and a new mitigation acceptance letter will be required from DMS.

If you have any questions or need additional information, please contact Beth Harmon at 919-707-8420.

Sincerely,

A handwritten signature in cursive script that reads "Elizabeth Harmon".

James B. Stanfill  
DMS Asset Management Supervisor

cc: Mr. Monte Matthews, USACE – Raleigh Regulatory Field Office  
Ms. Amy Chapman, NCDWR  
File: B-5642



North Carolina Department of Environmental Quality | Division of Mitigation Services  
217 West Jones Street | 1652 Mail Service Center | Raleigh, North Carolina 27699-1652  
919.707.8976



## United States Department of the Interior

FISH AND WILDLIFE SERVICE  
Raleigh ES Field Office  
Post Office Box 33726  
Raleigh, North Carolina 27636-3726  
April 20, 2021



Philip S. Harris III, P.E.  
NC Department of Transportation  
Environmental Analysis Unit  
1598 Mail Service Center  
Raleigh, North Carolina 27699-1598

Dear Mr. Harris:

This letter is in response to your letter of April 16, 2021 which provided the U.S. Fish and Wildlife Service (Service) with the biological conclusion of the North Carolina Department of Transportation that the replacement of Bridge No. 65 on NC 87 over Batarora Branch/Hold Creek in Brunswick County (STIP No. B-5642) may affect, but is not likely to adversely affect the federally threatened wood stork (*Mycteria americana*). The following response is provided in accordance with Section 7 of the Endangered Species Act (ESA) of 1973, as amended (16 U.S.C. 1531-1543).

According to your submitted information, a survey for wood storks was conducted on April 15, 2021. No wood storks or nests were observed. Based on the survey results and other available information, the Service concurs with your conclusion that the proposed action may affect, but is not likely to adversely affect the wood stork. It is understood that additional surveys will be conducted for the federally endangered rough-leaved loosestrife (*Lysimachia asperulaefolia*) and Cooley's meadowrue (*Thalictrum cooleyi*) during the appropriate survey windows (mid-May – September and mid-June – early July, respectively) prior to project construction to reconfirm the “no effect” conclusions for those species.

With the exception of the additional plant surveys, we believe that the requirements of Section 7(a)(2) of the ESA have been satisfied. We remind you that obligations under Section 7 consultation must be reconsidered if: (1) new information reveals impacts of this identified action that may affect listed species or critical habitat in a manner not previously considered in this review; (2) this action is subsequently modified in a manner that was not considered in this review; or (3) a new species is listed or critical habitat determined that may be affected by this identified action. If you have any questions regarding our response, please contact Mr. Gary Jordan at [gary\\_jordan@fws.gov](mailto:gary_jordan@fws.gov).



Sincerely,

*Gary Jordan for*

Pete Benjamin  
Field Supervisor

Electronic copy:

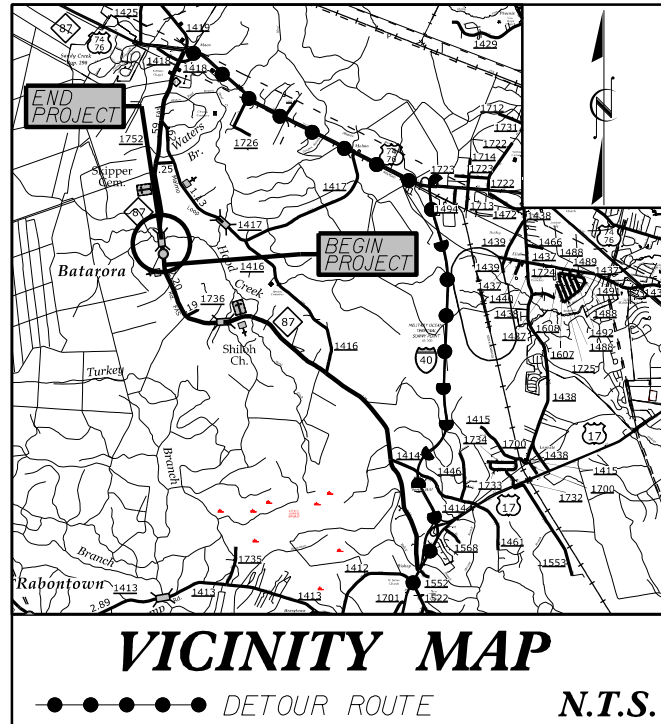
Brad Shaver, USACE, Wilmington, NC  
Travis Wilson, NCWRC, Creedmoor, NC  
Chris Rivenbark, NCDOT, Raleigh, NC  
Gordon Cashin, NCDOT, Raleigh, NC

		North Carolina Department of Transportation Highway Stormwater Program STORMWATER MANAGEMENT PLAN FOR NCDOT PROJECTS					
(Version 2.08; Released April 2018)							
WBS Element: 45597.1.1		TIP No.: B-5642		County(ies): Brunswick		Page 1 of 1	
<b>General Project Information</b>							
WBS Element:		45597.1.1		TIP Number: B-5642		Project Type: Bridge Replacement	
NCDOT Contact:		Kristy Alford, PE		Contractor / Designer:		Sungate Design Group	
Address: Structures Management Unit 1581 Mail Service Center Raleigh, NC 27699 Phone: 919-707-6531 Email: <a href="mailto:kalford@ncdot.gov">kalford@ncdot.gov</a>		Address: 905 Jones Franklin Rd Raleigh, NC 27606 Phone: 919-859-2243 Email: <a href="mailto:jdalton@sungatedesign.com">jdalton@sungatedesign.com</a>					
City/Town:		N/A		County(ies):		Brunswick	
River Basin(s):		Cape Fear		CAMA County?		Yes	
Wetlands within Project Limits?		Yes					
<b>Project Description</b>							
Project Length (lin. miles or feet):		0.161 mi		Surrounding Land Use:		Rural Residential, Agricultural	
		<b>Proposed Project</b>		<b>Existing Site</b>			
Project Built-Up Area (ac.):		2.3 ac.		1.1 ac.			
Typical Cross Section Description:		2 - 12ft lanes with 8ft shoulder (4ft Paved)		2 - 12ft lanes with variable width grass shoulder			
Annual Avg Daily Traffic (veh/hr/day):		Design/Future: 3100		Year: 2040		Existing: 2,100	
General Project Narrative: (Description of Minimization of Water Quality Impacts)		B-5642 is a bridge replacement project that involves removing existing Brunswick County bridge #65 on NC 87 over Batarora Branch, with a 1@70', 24" cored slab bridge with 4.0' end bent caps. No deck drains will be used on the proposed structure, reducing adverse stream impacts associated with direct roadway runoff. Additional measures implemented to reduce impacts to stream and surrounding wetlands include, maintaining existing drainage patterns, using 3:1 fill slopes and discharging stormwater as far away from the stream and wetlands as practicable. Further, rip rap is used at drainage outlets to dissipate energy and reduce erosion. In areas where rock plating is specified, 2:1 fill slopes have been used to reduce impacts.					
<b>Waterbody Information</b>							
Surface Water Body (1):		Batarora Branch		NCDWR Stream Index No.:		18-66-11	
NCDWR Surface Water Classification for Water Body		Primary Classification:		Class C			
		Supplemental Classification:		Swamp Waters (Sw)			
Other Stream Classification:		None					
Impairments:		None					
Aquatic T&E Species?		Comments:					
NRTR Stream ID:						Buffer Rules in Effect:	
Project Includes Bridge Spanning Water Body?		Yes		Deck Drains Discharge Over Buffer?		No	
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)							

TIP PROJECT: B-5642

CONTRACT:

See Sheet 1A For Index of Sheets  
See Sheet 1B For Conventional Symbols



STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

# BRUNSWICK COUNTY

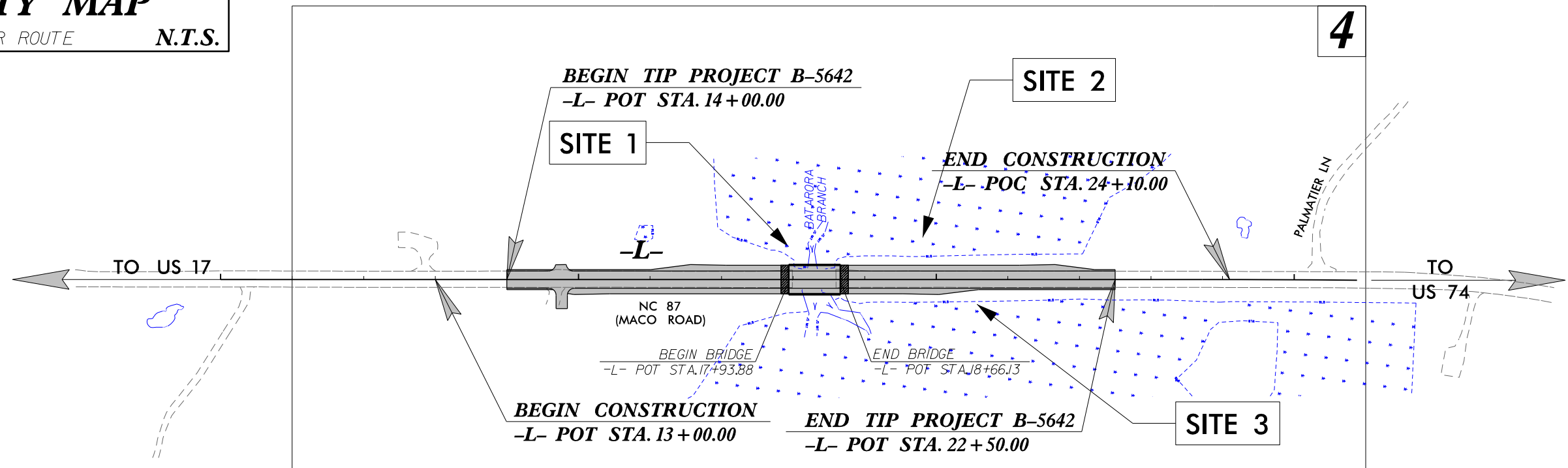
LOCATION: REPLACE BRIDGE NO. 65 OVER BATARORA BRANCH  
ON NC 87 (MACO ROAD)

TYPE OF WORK: GRADING, DRAINAGE, PAVING AND STRUCTURE

PERMIT DRAWING  
SHEET 1 OF 6  
DATE: 1-14-2021

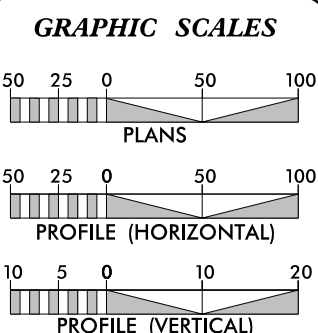
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-5642	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
45597.1.1	N/A	P.E.	
45597.2.1	N/A	R/W & UTIL.	

WETLAND AND SURFACE WATER IMPACTS PERMIT



THIS PROJECT IS NOT WITHIN A MUNICIPAL BOUNDARY.  
CLEARING ON THIS PROJECT SHALL BE PERFORMED  
TO THE LIMITS ESTABLISHED BY MODIFIED METHOD III.

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED



**DESIGN DATA**

ADT 2021 = 2,150 VPD  
ADT 2040 = 3,100 VPD  
K = 9%  
D = 55%  
T = 7%  
V = 60 MPH  
TTST = 2% DUALS = 5%  
FUNC CLASS =  
MAJOR COLLECTOR  
REGIONAL TIER

**PROJECT LENGTH**

LENGTH ROADWAY TIP PROJECT B-5642 = 0.147 MILES  
LENGTH BRIDGE TIP PROJECT B-5642 = 0.014 MILES

TOTAL LENGTH TIP PROJECT B-5642 = 0.161 MILES

Prepared in the Office of:  
**CDM Smith**  
CDM Smith Inc.  
5400 Glenwood Avenue  
Suite 400  
Raleigh, NC 27612-3228  
NC COA No. F-1255

FOR THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:  
NOVEMBER 3, 2020

LETTING DATE:  
JULY 20, 2021

ADAM M. CONRAD, PE  
PROJECT ENGINEER

MONIQUE N. GYANT, EI  
PROJECT DESIGN ENGINEER

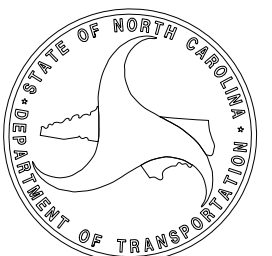
KRISTY ALFORD, PE  
NCDOT CONTACT

**HYDRAULICS ENGINEER**

SIGNATURE: \_\_\_\_\_ P.E.

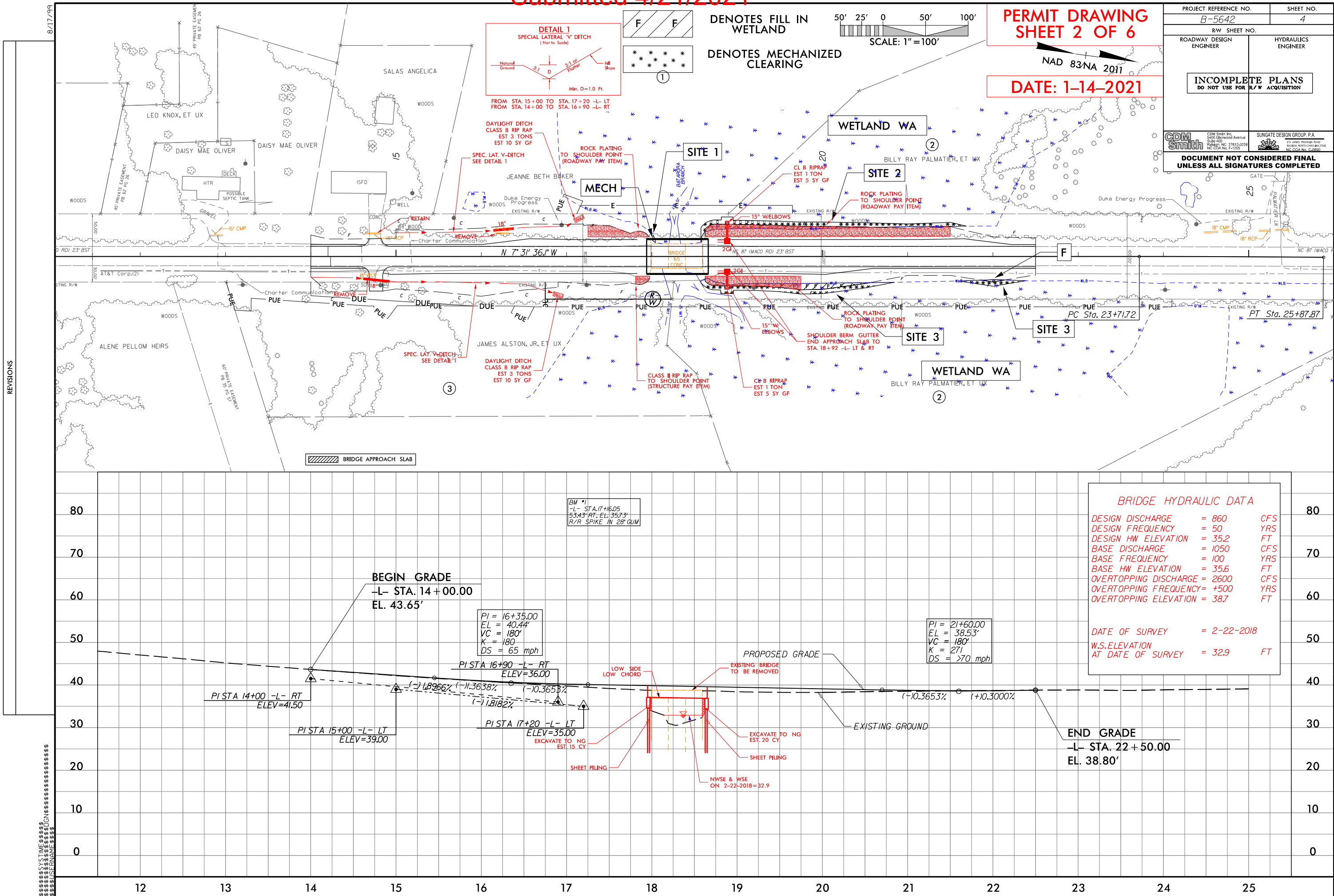
**ROADWAY DESIGN ENGINEER**

SIGNATURE: \_\_\_\_\_ P.E.

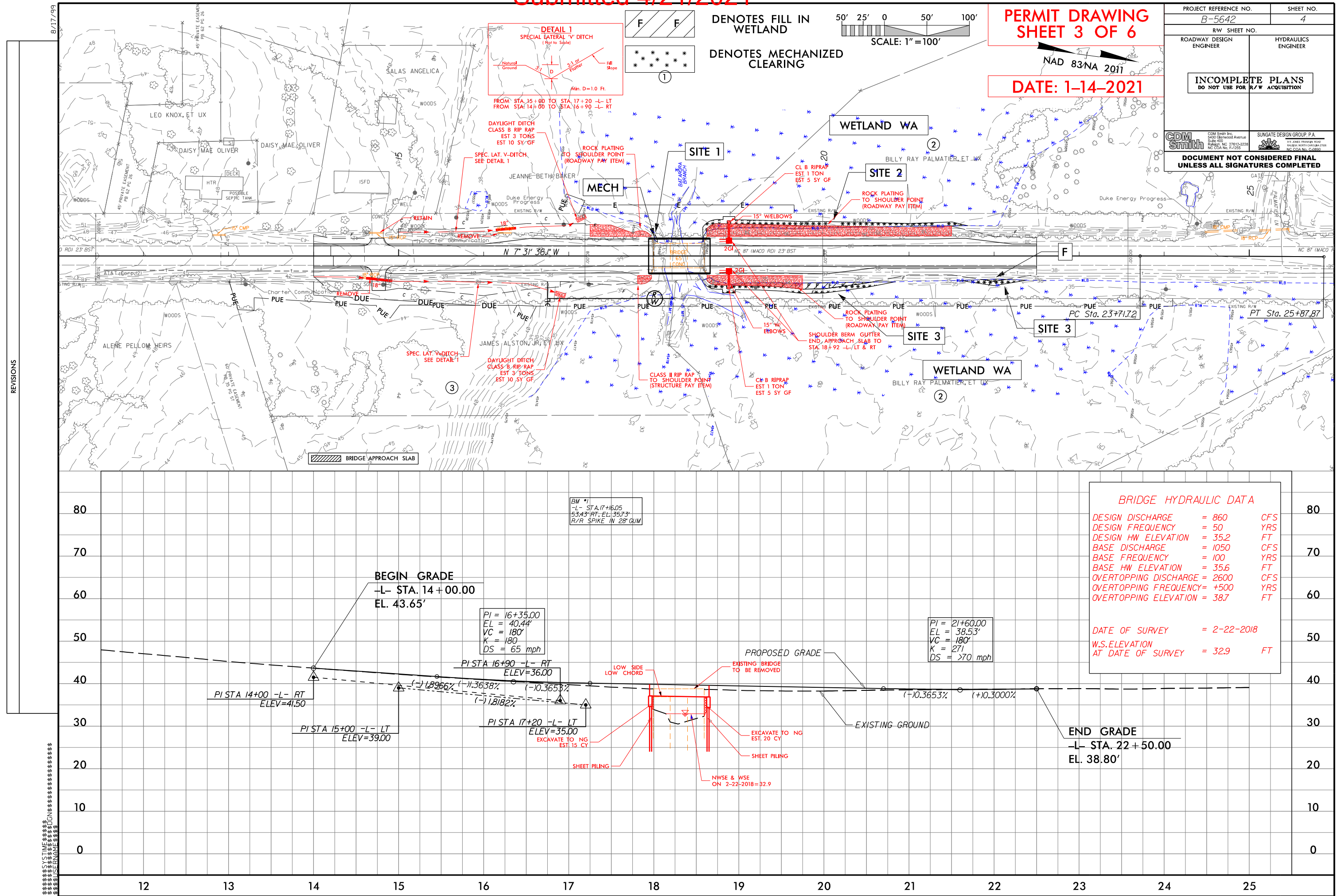




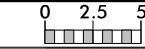
Submitted 4/21/2021



Submitted 4/21/2021



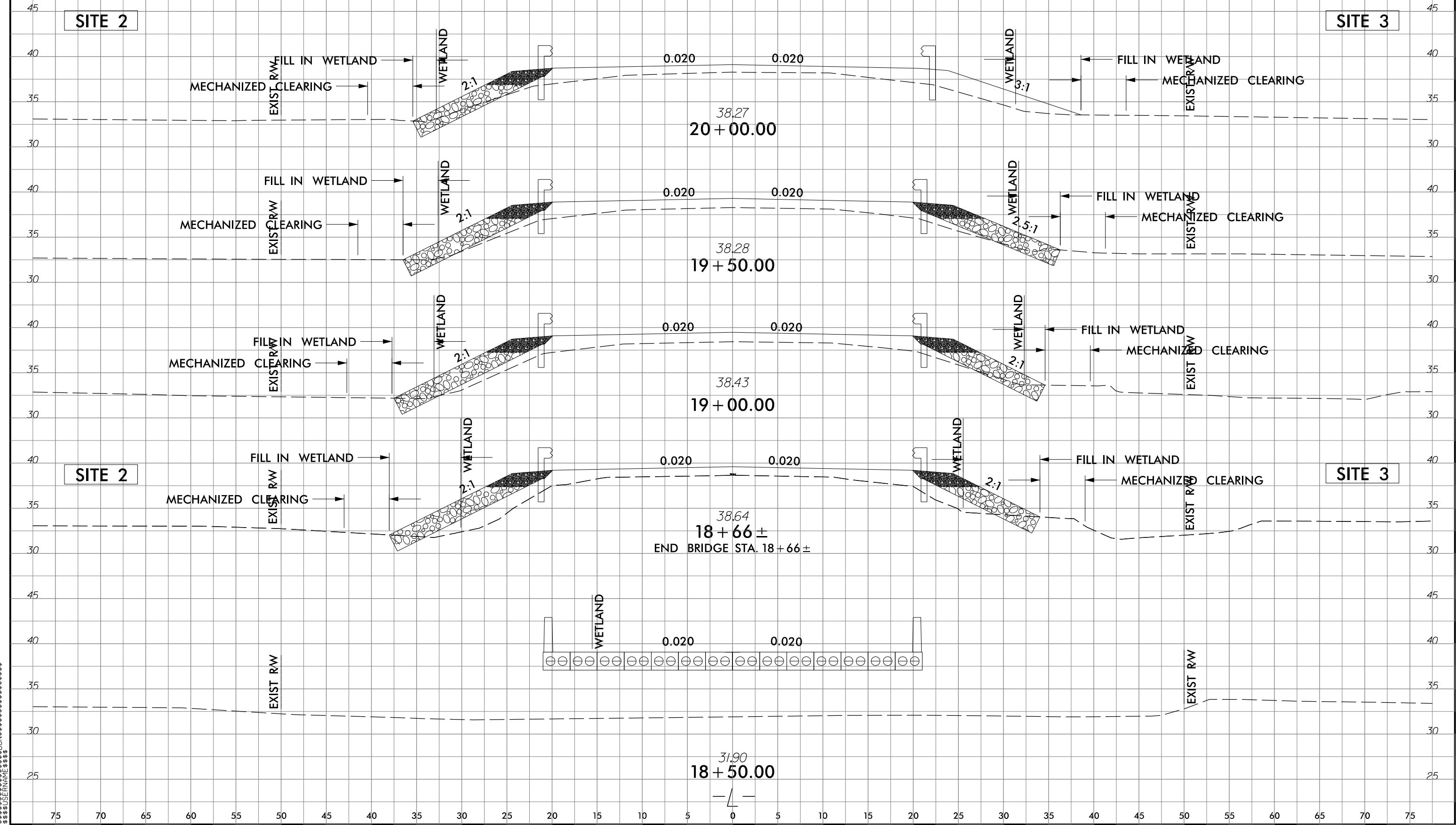
6/23/16



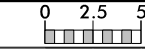
PROJ. REFERENCE NO.  
B-5642

SHEET NO.  
X-4

PERMIT DRAWING  
SHEET 4 OF 6  
DATE: 1-14-2021



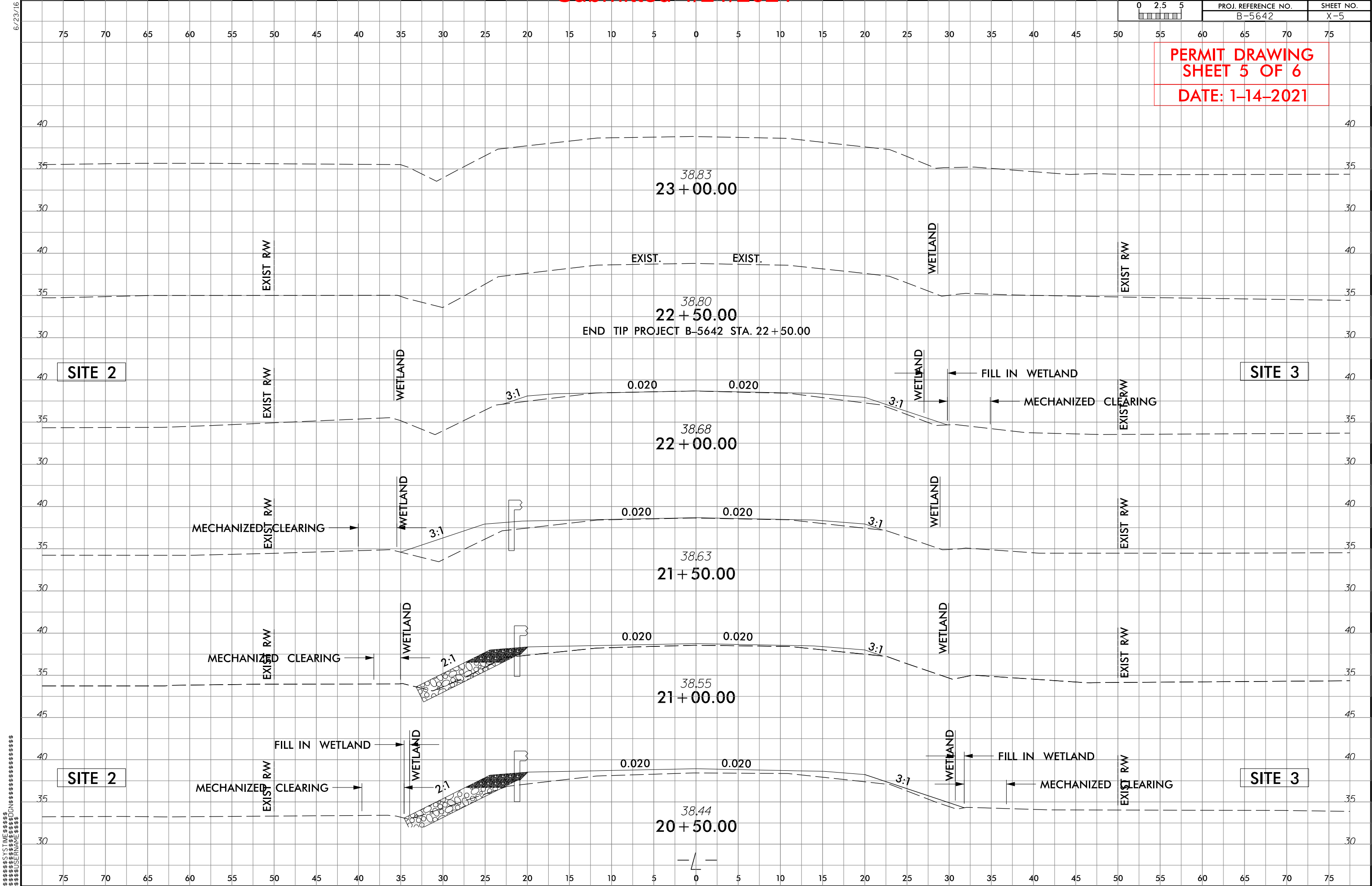
6/23/16



PROJ. REFERENCE NO.  
B-5642

SHEET NO.  
X-5

PERMIT DRAWING  
SHEET 5 OF 6  
DATE: 1-14-2021



WETLAND AND SURFACE WATER IMPACTS SUMMARY												
			WETLAND IMPACTS					SURFACE WATER IMPACTS				
Site No.	Station (From/To)	Structure Size / Type	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	18+01 to 18+04-L-LT	ROADWAY FILL				< 0.01						
2	18+58 to 21+69-L-LT	ROADWAY FILL	0.02			0.03						
3	18+58 to 20+84-L-RT	ROADWAY FILL	0.02			0.03						
	21+60 to 22+39-L-RT	ROADWAY FILL	< 0.01			< 0.01						
TOTALS*			0.04			0.07				0	0	0

\*Rounded totals are sum of actual impacts

NOTES:

NC DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
1-14-2021  
Brunswick County  
B-5642  
45597.1.1

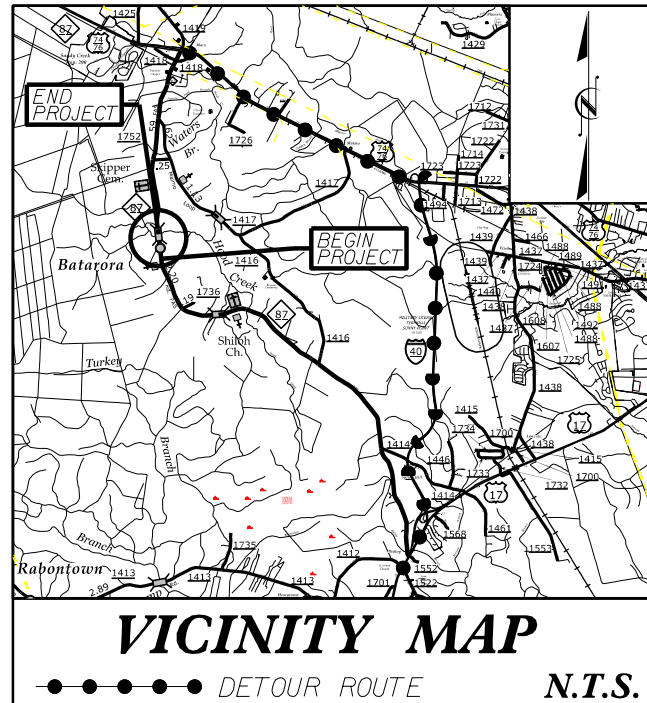


T.I.P. NO.	SHEET NO.
B-5642	UE-1

PERMIT DRAWING  
SHEET 1 OF 5

DATE: 3-24-2021

TIP PROJECT: B-5642



# STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

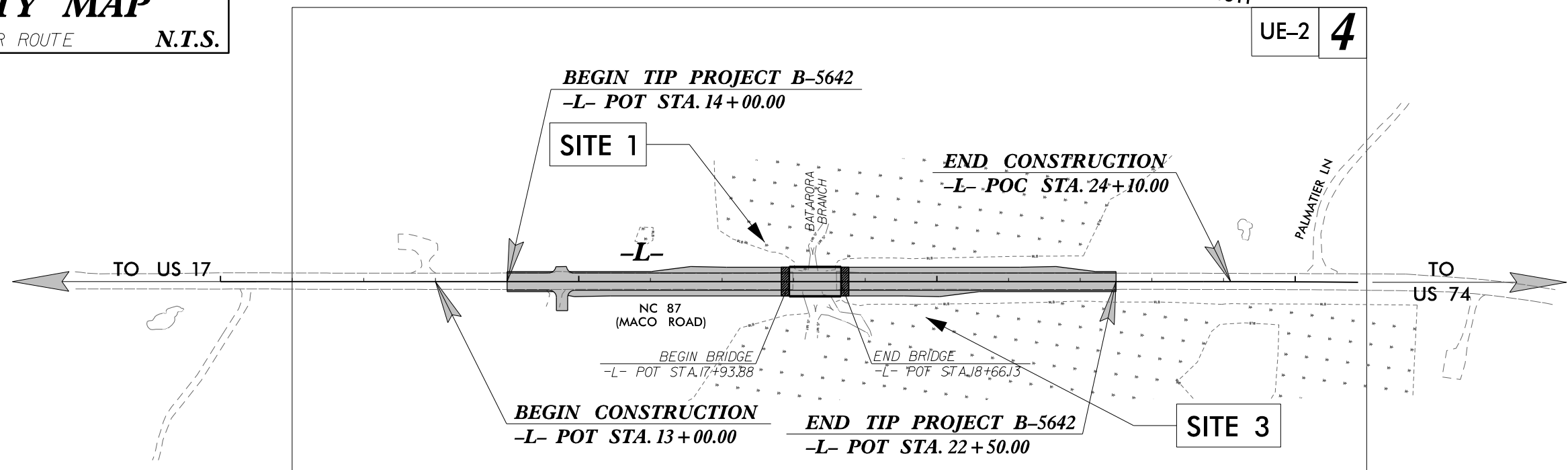
## EAU UTILITY PERMIT PLANS BRUNSWICK COUNTY

LOCATION: REPLACE BRIDGE NO. 65 OVER BATARORA BRANCH  
ON NC 87 (MACO ROAD)

TYPE OF WORK: RELOCATION OF POWER AND  
COMMUNICATION LINES

SITE 2 HAS ROADWAY  
IMPACTS ONLY  
NO UTILITY IMPACTS

NAD 83/  
NA 2011

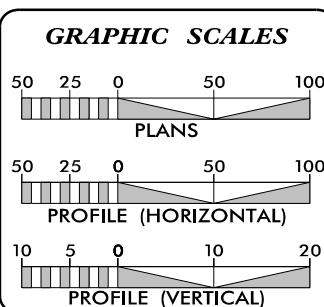


UTILITY WETLAND AND  
SURFACE WATER IMPACTS PERMIT

THIS PROJECT IS NOT WITHIN A MUNICIPAL BOUNDARY.  
CLEARING ON THIS PROJECT SHALL BE PERFORMED  
TO THE LIMITS ESTABLISHED BY MODIFIED METHOD III.

PRELIMINARY PLANS  
DO NOT USE FOR CONSTRUCTION

DOCUMENT NOT CONSIDERED FINAL  
UNTIL ALL SIGNATURES ARE COMPLETED



SHEET NO.:	DESCRIPTION:
UE-1	TITLE SHEET
UE-2	IMPACTS PLAN VIEW
UE-3	IMPACTS PLAN VIEW CONTOURS
UE-4	ATMC PROFILE
UE-5	ATT PROFILE
UE-6	DUKE/SPECTRUM PROFILE

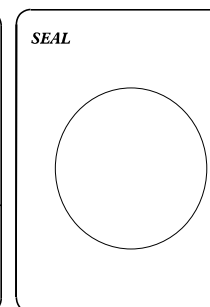
### POWER AND COMMUNICATIONS OWNERS ON PROJECT

- (A) ATMC - COMM
- (B) ATT - COMM
- (C) DUKE - POWER
- (D) SPECTRUM - COMM

PREPARED IN THE OFFICE OF  
**SUNGATE DESIGN GROUP, P.A.**

905 JONES FRANKLIN ROAD  
RALEIGH, NORTH CAROLINA 27606  
TEL (919) 859-2243  
ENG FIRM LICENSE NO. C-890

JOSH DALTON CONSULTANT CONTACT #1

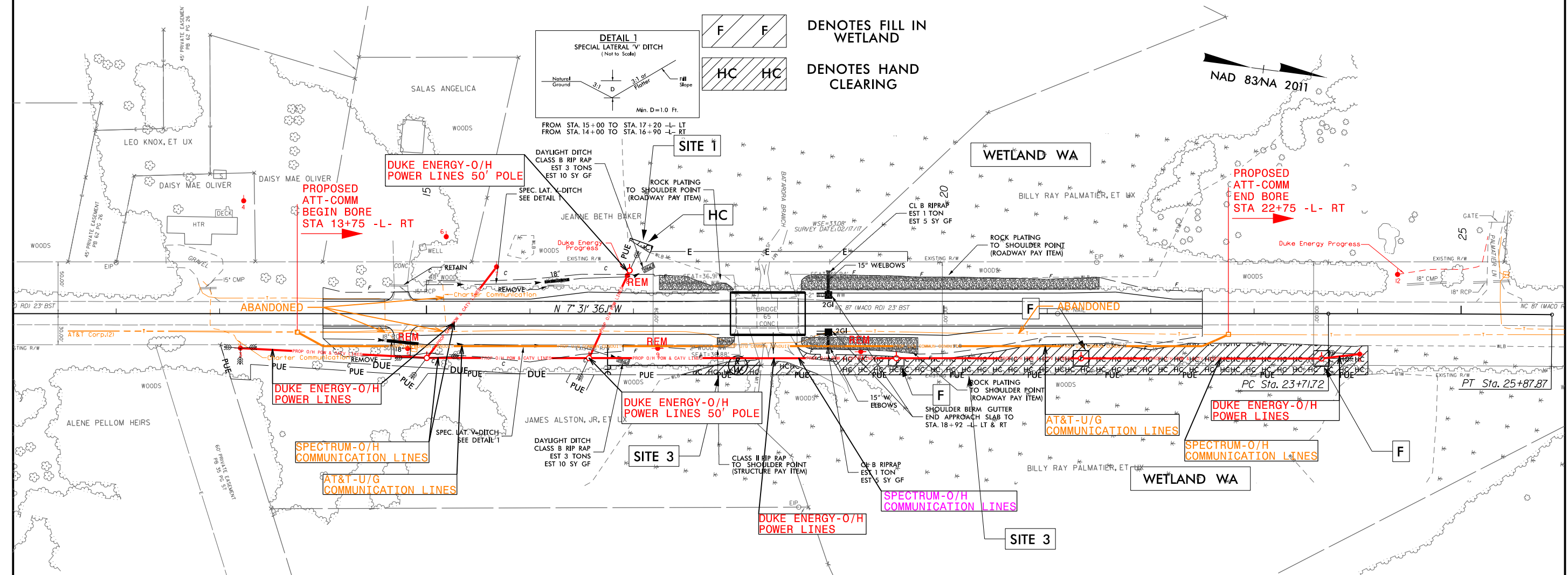


**DIVISION OF HIGHWAYS  
UTILITIES UNIT**  
1555 MAIL SERVICES CENTER  
RALEIGH, NC 27699-1555  
PHONE (919) 707-6690  
FAX (919) 250-4151

NABIL HAMDAN UTILITIES REGIONAL ENGINEER  
KELVIN MARTIN, EI UTILITIES ENGINEER  
KYLE PLEASANT UTILITIES AREA COORDINATOR  
LARRY JAMES, JR. UTILITIES COORDINATOR

\$SYTIME\$DGN\$

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED



Submitted 4/21/2021

PERMIT DRAWING  
SHEET 3 OF 5

DATE: 3-24-2021
-----------------

PROJECT REFERENCE NO.		SHEET NO.	
B-5642		UE-3	
DESIGNED BY:		UTILITY CONSTRUCTION PLANS ONLY	
DRAWN BY:			
CHECKED BY:			
APPROVED BY:			
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION			
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 1250-4151			

UTILITY CONSTRUCTION

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

PROPOSED  
ATT - COMM

CL STREAM  
BATARORA BRANCH  
STA 18+38 - L- RT

BM \*1  
-L- STA. 17+16.05  
53.43' RT, EL. 35.73'  
R/R SPIKE IN 28" GUM

WETLAND  
STA 19 + 95 -L- RT

	END BORE
STA	22+75-L-RT

WETLAND  
STA 22+56 -L- RT

60							BEGIN BORE STA 13+75-L-RT	
----	--	--	--	--	--	--	------------------------------	--

4'x4'x4' BORE PIT	
REPLACED BY	
30"x60"x36" HANDHOLE	

15'	MIN
-----	-----

2x1.25" SDR-11 ROLL PIPE			
@ 15' DEEP BELOW THE			
STREAM BED			

4'x4'x4' BORE PIT  
REPLACED BY  
30"x60"x36" HANDHOLE

5/14/99

\$\$\$\$SYTIME\$\$\$\$\$  
 \$\$\$SGN\$\$\$\$\$  
 \$\$\$USERNAME\$\$\$\$\$

12	13	14	15	16	17	18	19	20	21	22	23	24	25
----	----	----	----	----	----	----	----	----	----	----	----	----	----

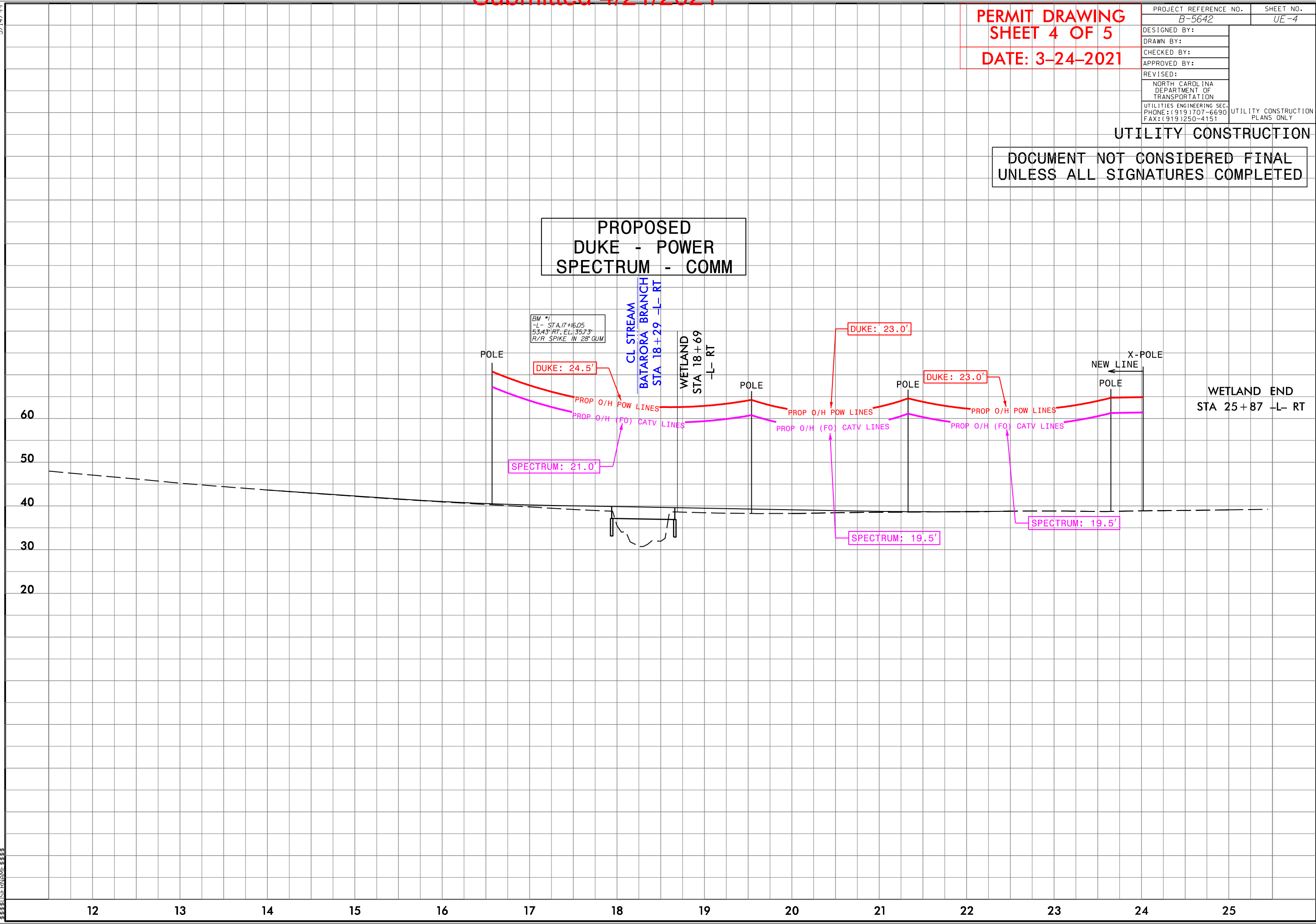


PERMIT DRAWING  
SHEET 4 OF 5  
DATE: 3-24-2021

PROJECT REFERENCE NO.	SHEET NO.
B-5642	UE-4
DESIGNED BY:	
DRAWN BY:	
CHECKED BY:	
APPROVED BY:	
REVISED:	NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
UTILITIES ENGINEERING SEC.	
PHONE: (919) 707-6690	
FAX: (919) 250-4151	UTILITY CONSTRUCTION PLANS ONLY

UTILITY CONSTRUCTION

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED



WETLAND AND SURACE WATER IMPACTS SUMMARY												
			WETLAND IMPACTS					SURFACE WATER IMPACTS				
Site No.	Station (From/To)	Structure Size / Type	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	16+96+ to 17+16-L-LT	DUKE PWR					< 0.01					
3	17+46 to 18+22-L-RT	DUKE PWR/SPECTRUM COMM					0.02					
	18+34 to 24+09-L-RT	DUKE PWR/SPECTRUM COMM	0.01				0.30					
TOTALS*:			0.01				0.31			0	0	0

\*Rounded totals are sum of actual impacts

NOTES:

NC DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
3-30-2021  
Brunswick County  
B-5642  
45597.2.1

## **B-5642 NEU ENVIRONMENTAL PERMIT NARRATIVE**

**Duke Energy (Power):** There are four power poles that are in conflict throughout the project along the (East side) and one power pole on the (West side) of Hwy 87 (Maco Road). Duke Energy has provided valid easement documentation.

Distribution will remove the four existing power poles that are in conflict along Hwy 87 (Maco Road). Duke Energy will then place five new poles further back (East side) outside the existing ROW within a permanent utility easement. These locations are at L-Sta. 17+46 to L-Sta. 24+09. One of the existing poles removed and three of the new poles will cause 0.01 ac of fill in wetland and 0.31 ac of hand clearing impacts at site 3.

Two aerial lines that cross over to the west side of Hwy 87 (Maco Road) will be adjusted to connect to an existing and a new power pole. Duke Energy will relocate the new power pole further back (West side) in which the guy wire extends into a permanent utility easement. These locations are at -L- Sta. 15+65 +/- and -L- Sta. 16+95 +/- . Hand clearing for the guy wire inside the permanent utility easement will cause less than 0.01 ac of wetland impacts at site 1. All stations are approximate in this report. Contact: Mr. Rand Miller; Email ramiller@pike.com; Phone 910-625-1340.

**AT&T (Telephone):** A U/G fiber optic cable is in conflict throughout the project along the (East side) of Hwy 87 (Maco Road). AT&T is encroaching within the NCDOT R/W.

AT&T will place a new U/G conduit (fiber optic) cable that follows along the (East side) of Hwy 87 (Maco Road) inside the permanent utility easement by directional bore and trenching. New cables will tie back into existing lines by placing two new handholes at the bore pit locations. Handhole locations are at -L- Sta. 13+74 +/- and -L- Sta. 21+38 +/- . This bore will produce no permanent impacts to the wetlands. All stations are approximate in this report. Contact: Mr. Yuri Moody; Email yuri.moody@genxcgroup.com, Phone 786-519-4809.

**Spectrum (Cable Television):** There is an aerial fiber optic cable that is attached to Duke Energy poles and is in conflict along Hwy 87 (Maco Road).

Spectrum will attach new cable (.25-inch strand) to relocated Duke Energy poles from -L- Sta. 14+80 +/- to -L- Sta. 23+63 +/- . Spectrum will also over-lash fiber optic cable to the strand. This aerial will produce no permanent impacts to the wetlands. All stations are

approximate in this report. Contact: Steve Barnette; Email [steve.barnette@charter.com](mailto:steve.barnette@charter.com); Phone 910-772-5755.

**Conclusion (Total Impacts due to Utilities):**

Permanent Fill in Wetlands	0.01 acres
Hand Clearing in Wetlands	0.31 acres