



Pre-Construction Notification (PCN) Form

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

December 6, 2021 Ver 4.2

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: *

Dare

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-5610

WBS # *

45565.1.2

(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)

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

☐ Yes ☒ No

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

- | | |
|---|--|
| <input checked="" type="checkbox"/> 401 Water Quality Certification - Regular | <input type="checkbox"/> 401 Water Quality Certification - Express |
| <input type="checkbox"/> Non-404 Jurisdictional General Permit | <input type="checkbox"/> Riparian Buffer Authorization |
| <input type="checkbox"/> Individual 401 Water Quality Certification | |

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

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 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? *

NCDOT

1b. Primary Contact Email: *

jjdilday@ncdot.gov

1c. Primary Contact Phone: *

(xxx)xxx-xxxx

(919)707-6111

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. Contact Person:

(for Corporations)

2d. Address *

Street Address

1000 Birch Ridge Drive

Address Line 2

City

Raleigh

Postal / Zip Code

27604

State / Province / Region

NC

Country

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: *

Bridge 8 on NC 12 over The Slash (B-5610 - Central)

1b. Subdivision name:

(if appropriate)

1c. Nearest municipality / town: *

Hatteras

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: *

35.218233
ex: 34.208504

Longitude: *

-75.688745
-77.796371

3. Surface Waters

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

The Slash

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

SA, HQW

[Surface Water Lookup](#)

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

Pasquotank

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

030201050305

[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 residential and commercial properties interspersed with tidal creeks and marshes.

4b. Have Corps permits or DWR certifications been obtained for this project (including all prior phases) in the past? *

☐ Yes ☒ No ☐ Unknown

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

0.32

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

(intermittent and perennial)

500

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

The purpose of this project is to replace a structurally deficient bridge.

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

This project involves replacing the 86-foot, 5 span bridge with a 95-foot, 2 span on the existing alignment using an off-site detour. Standard road building equipment, such as trucks, dozers and cranes will be used.

5. Jurisdictional Determinations

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

☒ Yes ☐ No ☐ Unknown

Comments:

PJD package sent to USACE on 10/28/2016. Written verification not received.

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

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

Name (if known): Jason Dilday
Agency/Consultant Company: NCDOT
Other:

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

3. Stream Impacts

If there are perennial or intermittent stream impacts (including temporary impacts) proposed on the site, then complete this question for all stream sites impacted.
"S." will be used in the table below to represent the word "stream".

	3a. Reason for impact * (?)	3b.Impact type *	3c. Type of impact *	3d. S. name *	3e. Stream Type * (?)	3f. Type of Jurisdiction *	3g. S. width * Average (feet)	3h. Impact length * (linear feet)
S1	1-Roadway Fill	Permanent	Rip Rap Fill	Slash Creek	Perennial	Both	100	87
S2	1-Roadway Fill	Temporary	Dewatering	Slash Creek	Perennial	Both	100	23

** 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:
87

3i. Total temporary stream impacts:
23

3i. Total stream and ditch impacts:
110

3j. Comments:
0.03 ac permanent open water impact is equivalent to the 87 linear feet of riprap fill at end bent 2.

4. Open Water Impacts

If there are proposed impacts to lakes, ponds, estuaries, tributaries, sounds, the Atlantic Ocean, or any other open water of the U.S. then individually list all open water impacts below.

4a. Site # * (?)	4a1. Impact Reason	4b. Impact type * (?)	4c. Name of waterbody (?)	4d. Activity type *	4e. Waterbody type *	4f. Impact area * (acres)
1	Cofferdam	T	Slash Creek	Bridge	Tributary	0.09
1	Pipe Outfalls	P	Slash Creek	Drainage	Tributary	0.01

4g. Total temporary open water Impacts:
0.09

4g. Total permanent open water impacts:

0.01

4g. Total open water impacts:

0.10

4h. Comments:

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 top/down construction. The new bridge will have less bents in the water than the existing structure. See stormwater management plan for additional minimization measures.

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

An offsite detour will be used during construction. NCDOT's Design Standards in Sensitive Watersheds will be adhered to. The Guidelines for Avoiding Impacts to the West Indian Manatee will be adhered to during construction.

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

2b. If this project DOES NOT require Compensatory Mitigation, explain why:

Impacts due to this project are considered minimal and not considered a "loss of Waters of the U.S.".

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

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](#).

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

Comments: *

Type I/II Categorical Exclusions do not require submittal to the State Clearing House.

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 minimal transportation impact resulting from this bridge replacement, this project will neither influence nearby land uses nor stimulate growth. Therefore, a detailed indirect or 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

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? *

N.C. Natural Heritage Program database; USFWS-IPaC website; biological surveys for protected species listed for Dare County, which include Northern long-eared bat, red wolf, West Indian manatee, Eastern black rail, piping plover, red knot, red-cockaded woodpecker, American alligator, green sea turtle, hawksbill sea turtle, Kemp's ridley sea turtle, leatherback sea turtle, loggerhead sea turtle, and seabeach amaranth. In water habitat is available for the manatee and sea turtle species. Communications with NMFS indicated that since the project will be constructed over the winter months, interactions with these species is highly unlikely. It was recommended that if construction occurred between May-October and observer be present.

6. Essential Fish Habitat (Corps Requirement)

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

☒ Yes ☐ No

Are there submerged aquatic vegetation (SAV) around the project vicinity? *

☐ Yes ☒ No ☐ Unknown

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

NOAA EFH online mapper

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

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:

NCDOT Hydraulics Unit coordination with FEMA

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

FEMA maps

Miscellaneous

Comments

Please use the space below to attach all required documentation or any additional information you feel is helpful for application review. Documents should be combined into one file when possible, with a Cover Letter, Table of Contents, and a Cover Sheet for each Section preferred.

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

B-5610 EPCN General Dare March 14 2022.pdf

4.02MB

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 *

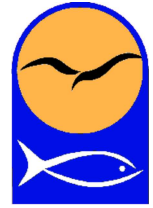
Mack C. Rivenbark III

Date

3/14/2022

APPLICATION for Major Development Permit

(last revised 12/27/06)



North Carolina DIVISION OF COASTAL MANAGEMENT

1. Primary Applicant/ Landowner Information				
Business Name North Carolina Department Of Transportation		Project Name (if applicable) B-5610		
Applicant 1: First Name Phil	MI	Last Name Harris		
Applicant 2: First Name N/A	MI	Last Name		
<i>If additional applicants, please attach an additional page(s) with names listed.</i>				
Mailing Address 1598 Mail Service Center		PO Box	City Raleigh	State NC
ZIP 27699 1598	Country US	Phone No. 919 - 707 - 6531 ext.		FAX No. - -
Street Address (if different from above) 1000 Birch Ridge Dr		City Raleigh	State NC	ZIP 27610-
Email jldilday@ncdot.gov				

2. Agent/Contractor Information				
Business Name N/A				
Agent/ Contractor 1: First Name	MI	Last Name		
Agent/ Contractor 2: First Name	MI	Last Name		
Mailing Address		PO Box	City	State
ZIP		Phone No. 1 - - ext.		Phone No. 2 - - ext.
FAX No.		Contractor #		
Street Address (if different from above)		City	State	ZIP -
Email				

<Form continues on back>

3. Project Location

County (can be multiple) Dare	Street Address Bridge No. 8 over The Slash	State Rd. # NC 12
Subdivision Name N/A	City Hatteras	State NC
Zip 27943 -		
Phone No. N/A - - ext.	Lot No.(s) (if many, attach additional page with list) N/A, , ,	
a. In which NC river basin is the project located? Pasquotank	b. Name of body of water nearest to proposed project The Slash	
c. Is the water body identified in (b) above, natural or manmade? <input checked="" type="checkbox"/> Natural <input type="checkbox"/> Manmade <input type="checkbox"/> Unknown	d. Name the closest major water body to the proposed project site. Pamlico Sound	
e. Is proposed work within city limits or planning jurisdiction? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	f. If applicable, list the planning jurisdiction or city limit the proposed work falls within. N/A	

4. Site Description

a. Total length of shoreline on the tract (ft.) 250 ft. (approximately 125 ft. on each shore)	b. Size of entire tract (sq.ft.) Approximate Project Area=49,000 sq. ft.
c. Size of individual lot(s) N/A, (If many lot sizes, please attach additional page with a list)	d. Approximate elevation of tract above NHW (normal high water) or NWL (normal water level) 5 ft. <input type="checkbox"/> NHW or <input checked="" type="checkbox"/> NWL
e. Vegetation on tract Maintained/disturbed vegetation, salt marsh	
f. Man-made features and uses now on tract Roadway, bridge, buildings	
g. Identify and describe the existing land uses <u>adjacent</u> to the proposed project site. Commercial, residential	
h. How does local government zone the tract? Commercial, residential	i. Is the proposed project consistent with the applicable zoning? (Attach zoning compliance certificate, if applicable) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
j. Is the proposed activity part of an urban waterfront redevelopment proposal? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
k. Has a professional archaeological assessment been done for the tract? If yes, attach a copy. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA If yes, by whom?	
l. Is the proposed project located in a National Registered Historic District or does it involve a National Register listed or eligible property? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA	

<Form continues on next page>

m. (i) Are there wetlands on the site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
(ii) Are there coastal wetlands on the site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
(iii) If yes to either (i) or (ii) above, has a delineation been conducted? (Attach documentation, if available)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
n. Describe existing wastewater treatment facilities. N/A	
o. Describe existing drinking water supply source. N/A	
p. Describe existing storm water management or treatment systems. N/A	

5. Activities and Impacts

a. Will the project be for commercial, public, or private use?	<input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Public/Government <input type="checkbox"/> Private/Community
b. Give a brief description of purpose, use, and daily operations of the project when complete. Roadway and bridge for public transportation use	
c. Describe the proposed construction methodology, types of construction equipment to be used during construction, the number of each type of equipment and where it is to be stored. Proposed construction utilizing coffer dams. Typical construction equipment includes crane, excavator, dump trucks, etc.	
d. List all development activities you propose. Replace existing timber bridge with a prestressed concrete girder bridge and pedestrian/roadway improvements along NC 12.	
e. Are the proposed activities maintenance of an existing project, new work, or both?	New
f. What is the approximate total disturbed land area resulting from the proposed project?	2.4 <input type="checkbox"/> Sq.Ft or <input checked="" type="checkbox"/> Acres
g. Will the proposed project encroach on any public easement, public accessway or other area that the public has established use of?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
h. Describe location and type of existing and proposed discharges to waters of the state. Both the existing and proposed bridges drains to closed systems on either end that discharge into The Slash. The existing 15" CMP on the west side is being replaced with a 36" CAAP, and the 15" CMP on the east side is being replaced with a 30" CAAP.	
i. Will wastewater or stormwater be discharged into a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
If yes, will this discharged water be of the same salinity as the receiving water?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
j. Is there any mitigation proposed?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
If yes, attach a mitigation proposal.	

<Form continues on back>

6. Additional Information

In addition to this completed application form, (MP-1) the following items below, if applicable, must be submitted in order for the application package to be complete. Items (a) – (f) are always applicable to any major development application. Please consult the application instruction booklet on how to properly prepare the required items below.

- a. A project narrative.
- b. An accurate, dated work plat (including plan view and cross-sectional drawings) drawn to scale. Please give the present status of the proposed project. Is any portion already complete? If previously authorized work, clearly indicate on maps, plats, drawings to distinguish between work completed and proposed.
- c. A site or location map that is sufficiently detailed to guide agency personnel unfamiliar with the area to the site.
- d. A copy of the deed (with state application only) or other instrument under which the applicant claims title to the affected properties.
- e. The appropriate application fee. Check or money order made payable to DENR.
- f. A list of the names and complete addresses of the adjacent waterfront (riparian) landowners and signed return receipts as proof that such owners have received a copy of the application and plats by certified mail. Such landowners must be advised that they have 30 days in which to submit comments on the proposed project to the Division of Coastal Management.
- | | |
|---------|-----------|
| Name | Phone No. |
| Address | |
| Name | Phone No. |
| Address | |
| Name | Phone No. |
| Address | |
- g. A list of previous state or federal permits issued for work on the project tract. Include permit numbers, permittee, and issuing dates.
- _____
- _____
- h. Signed consultant or agent authorization form, if applicable.
- i. Wetland delineation, if necessary.
- j. A signed AEC hazard notice for projects in oceanfront and inlet areas. *(Must be signed by property owner)*
- k. A statement of compliance with the N.C. Environmental Policy Act (N.C.G.S. 113A 1-10), if necessary. If the project involves expenditure of public funds or use of public lands, attach a statement documenting compliance with the North Carolina Environmental Policy Act.

7. Certification and Permission to Enter on Land

I understand that any permit issued in response to this application will allow only the development described in the application. The project will be subject to the conditions and restrictions contained in the permit.

I certify that I am authorized to grant, and do in fact grant permission to representatives of state and federal review agencies to enter on the aforementioned lands in connection with evaluating information related to this permit application and follow-up monitoring of the project.

I further certify that the information provided in this application is truthful to the best of my knowledge.

Date 03/11/2022 Print Name Philip S. Harris, III, P.E., C.P.M.

Signature Mack C. Rivenbark III

DocuSigned by:
AAAD1248B309416...

Please indicate application attachments pertaining to your proposed project.

- ☐ DCM MP-2 Excavation and Fill Information ☒ DCM MP-5 Bridges and Culverts
- ☐ DCM MP-3 Upland Development
- ☐ DCM MP-4 Structures Information

BRIDGES and CULVERTS

Attach this form to Joint Application for CAMA Major Permit, Form DCM MP-1. Be sure to complete all other sections of the Joint Application that relate to this proposed project. Please include all supplemental information.

1. BRIDGES☐ This section not applicable

- a. Is the proposed bridge:
☐ Commercial ☒ Public/Government ☐ Private/Community
- b. Water body to be crossed by bridge:
The Slash
- c. Type of bridge (construction material):
Concrete
- d. Water depth at the proposed crossing at NLW or NWL:
5.0 ft.
- e. (i) Will proposed bridge replace an existing bridge? ☒ Yes ☐ No
 If yes,
 (ii) Length of existing bridge: 85 ft.
 (iii) Width of existing bridge: 28 ft.
 (iv) Navigation clearance underneath existing bridge: 3.7 ft.
 (v) Will all, or a part of, the existing bridge be removed?
 (Explain) all
- f. (i) Will proposed bridge replace an existing culvert? ☐ Yes ☒ No
 If yes,
 (ii) Length of existing culvert: N/A
 (iii) Width of existing culvert: N/A
 (iv) Height of the top of the existing culvert above the NHW or NWL: N/A
 (v) Will all, or a part of, the existing culvert be removed?
 (Explain) N/A
- g. Length of proposed bridge: 95 ft.
- h. Width of proposed bridge: 34 ft.
- i. Will the proposed bridge affect existing water flow? ☐ Yes ☒ No
 If yes, explain: N/A
- j. Will the proposed bridge affect navigation by reducing or increasing the existing navigable opening? ☒ Yes ☐ No
 If yes, explain: The navigational opening is increasing slightly.
- k. Navigation clearance underneath proposed bridge: 4.4 ft.
- l. Have you contacted the U.S. Coast Guard concerning their approval? ☒ Yes ☐ No
 If yes, explain: The US Coast Guard issued an Advance Approval.
- m. Will the proposed bridge cross wetlands containing no navigable waters? ☐ Yes ☒ No
 If yes, explain: N/A
- n. Height of proposed bridge above wetlands: N/A

2. CULVERTS☒ This section not applicable

- a. Number of culverts proposed: _____
- b. Water body in which the culvert is to be placed:

< Form continues on back>

c. Type of culvert (construction material):

d. (i) Will proposed culvert replace an existing bridge?

☐ Yes ☐ No

If yes,

(ii) Length of existing bridge: _____

(iii) Width of existing bridge: _____

(iv) Navigation clearance underneath existing bridge: _____

(v) Will all, or a part of, the existing bridge be removed?
(Explain)

e. (i) Will proposed culvert replace an existing culvert?

☐ Yes ☐ No

If yes,

(ii) Length of existing culvert(s): _____

(iii) Width of existing culvert(s): _____

(iv) Height of the top of the existing culvert above the NHW or
NWL: _____(v) Will all, or a part of, the existing culvert be removed?
(Explain)

f. Length of proposed culvert: _____

g. Width of proposed culvert: _____

h. Height of the top of the proposed culvert above the NHW or NWL.
_____i. Depth of culvert to be buried below existing bottom contour.
_____j. Will the proposed culvert affect navigation by reducing or
increasing the existing navigable opening? ☐ Yes ☐ NoIf yes, explain:

k. Will the proposed culvert affect existing water flow?

☐ Yes ☐ NoIf yes, explain:

_____**3. EXCAVATION and FILL**☐ This section not applicablea. (i) Will the placement of the proposed bridge or culvert require any
excavation below the NHW or NWL? ☐ Yes ☒ No

If yes,

(ii) Avg. length of area to be excavated: _____

(iii) Avg. width of area to be excavated: _____

(iv) Avg. depth of area to be excavated: _____

(v) Amount of material to be excavated in cubic yards: _____

b. (i) Will the placement of the proposed bridge or culvert require any
excavation within coastal wetlands/marsh (CW), submerged
aquatic vegetation (SAV), shell bottom (SB), or other wetlands
(WL)? If any boxes are checked, provide the number of square
feet affected.☐ CW _____ ☐ SAV _____ ☐ SB _____☐ WL _____ ☒ None

(ii) Describe the purpose of the excavation in these areas:

N/A

_____c. (i) Will the placement of the proposed bridge or culvert require any
high-ground excavation? ☒ Yes ☐ No

If yes,

(ii) Avg. length of area to be excavated: 45'(iii) Avg. width of area to be excavated: 8'(iv) Avg. depth of area to be excavated: 3.5'(v) Amount of material to be excavated in cubic yards: 47 cyTotal (See permit drawings for breakdown of excavation
at each end bent).

Form DCM MP-5 (Bridges and Culverts, Page 3 of 4)

d. If the placement of the bridge or culvert involves any excavation, please complete the following:

(i) Location of the spoil disposal area: To be determined by the contractor

(ii) Dimensions of the spoil disposal area: Unknown

(iii) Do you claim title to the disposal area? ☐ Yes ☒ No (If no, attach a letter granting permission from the owner.)

(iv) Will the disposal area be available for future maintenance? ☐ Yes ☒ No

(v) Does the disposal area include any coastal wetlands/marsh (CW), submerged aquatic vegetation (SAVs), other wetlands (WL), or shell bottom (SB)?

☐ CW ☐ SAV ☐ WL ☐ SB ☒ None

If any boxes are checked, give dimensions if different from (ii) above. N/A

(vi) Does the disposal area include any area below the NHW or NWL? ? ☐ Yes ☒ No

If yes, give dimensions if different from (ii) above. N/A

e. (i) Will the placement of the proposed bridge or culvert result in any fill (other than excavated material described in Item d above) to be placed below NHW or NWL? ☒ Yes ☐ No

If yes,

(ii) Avg. length of area to be filled: 10'

(iii) Avg. width of area to be filled: 90'

(iv) Purpose of fill: Roadway fill and rip rap (See permit drawings)

f. (i) Will the placement of the proposed bridge or culvert result in any fill (other than excavated material described in Item d above) to be placed within coastal wetlands/marsh (CW), submerged aquatic vegetation (SAV), shell bottom (SB), or other wetlands (WL)? If any boxes are checked, provide the number of square feet affected.

☐ CW ☐ SAV ☐ SB

☐ WL ☒ None

(ii) Describe the purpose of the excavation in these areas:

N/A

g. (i) Will the placement of the proposed bridge or culvert result in any fill (other than excavated material described in Item d above) to be placed on high-ground? ☒ Yes ☐ No

If yes,

(ii) Avg. length of area to be filled: 60'

(iii) Avg. width of area to be filled: 18'

(iv) Purpose of fill: Roadway fill and rip rap (See permit drawings)

4. GENERAL

a. Will the proposed project require the relocation of any existing utility lines? ☒ Yes ☐ No

If yes, explain: This project includes relocation of water, power, and telecommunications.

b. Will the proposed project require the construction of any temporary detour structures? ☐ Yes ☒ No

If yes, explain: N/A

If this portion of the proposed project has already received approval from local authorities, please attach a copy of the approval or certification.

< Form continues on back >

Form DCM MP-5 (Bridges and Culverts, Page 4 of 4)

c. Will the proposed project require any work channels?

☐ Yes ☒ No

If yes, complete Form DCM-MP-2.

d. How will excavated or fill material be kept on site and erosion controlled?

Use of NCDOT Best Management Practices for
Construction and Maintenance Activities

e. What type of construction equipment will be used (for example, dragline, backhoe, or hydraulic dredge)?

Heavy highway construction equipment including crane, excavator, and dump trucks.

f. Will wetlands be crossed in transporting equipment to project site?

☒ Yes ☐ No

If yes, explain steps that will be taken to avoid or minimize environmental impacts.

The only wetlands to be crossed are those depicted on the permit drawings.

g. Will the placement of the proposed bridge or culvert require any shoreline stabilization?

☐ Yes ☒ No

If yes, complete form MP-2, Section 3 for Shoreline Stabilization only.

03/11/2022

Date

B-5610

Project Name

Philip S. Harris III, P.E., C.P.M.

Applicant Name

DocuSigned by:

for

Mack C. Rivenbark III

Applicant Signature

AAAD1248B309416...



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

J. ERIC BOYETTE
SECRETARY

March 11, 2022

N.C. Division of Coastal Management
401 South Griffin Street, Suite 300
Elizabeth City, North Carolina 27909

ATTN: Mr. Greg Daisey
NCDOT Coordinator

Subject: **Application for CAMA General Permit** for the Proposed Replacement of Bridge No. 8 over Slash Creek on NC12 in Hatteras, Dare County, North Carolina; TIP No. B-5610; Federal Aid Project No. NHP-0012(0016); Debit \$400 from WBS No. 45565.1.2

Dear Sirs,

The North Carolina Department of Transportation (NCDOT) proposes to replace the existing 86-foot, five-span bridge No. 8 with a 95-foot, two-span bridge on existing alignment. Traffic will be maintained using an off-site detour. There are no impacts to coastal wetlands with this project. There will be 87 linear feet of permanent stream impact will occur to Slash Creek due to riprap fill at the bridge approaches. Cofferdams will be used for the removal of the existing interior bents and construction of end bents for the new structure. Aerial utilities will be relocated with no impact to jurisdictional resources. Water lines currently attached to the bridge will be directionally bored under Slash Creek also resulting in no impact to jurisdictional resources.

Please see enclosed copies of the Division of Coastal Management Major Permit Forms 1 and 5, permit drawings, stormwater management plan, and utility drawings for the above referenced project. A Programmatic Categorical Exclusion (PCE) was completed in July 2019 and distributed shortly after. Additional copies are available at the NCDOT website:
<https://xfer.services.ncdot.gov/pdea/EnvironmentalDocs/>

This project calls for a letting date of August 16, 2022 and a review date of June 28, 2022. The project schedule may be advanced if funding becomes available.

Regulatory Approvals

CAMA General Permit: NCDOT requests that the proposed work be authorized under a Coastal Area Management Act General Permit. Adjacent riparian landowner certified mail return receipts will be provided once they are received. Authorization to debit the \$400 Permit Application Fee from WBS Element 45565.1.2 is hereby given.

A copy of this permit application will be posted on the NCDOT Website at <https://xfer.services.ncdot.gov/pdea/PermApps/> Should you have any questions regarding this information, please contact Jason Dilday at (919) 707-6111 or jldilday@ncdot.gov.

Sincerely,

DocuSigned by:

Mack C. Rivenbark III

AAAD1248B309416...

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

cc: NCDOT Permit Application Standard Distribution List



United States Department of the Interior

FISH AND WILDLIFE SERVICE

Raleigh Field Office
Post Office Box 33726
Raleigh, North Carolina 27636-3726

GUIDELINES FOR AVOIDING IMPACTS TO THE WEST INDIAN MANATEE

Precautionary Measures for Construction Activities in North Carolina Waters

The West Indian manatee (*Trichechus manatus*), also known as the Florida manatee, is a Federally-listed endangered aquatic mammal protected under the Endangered Species Act of 1973, as amended (16 U.S.C. 1531 *et seq.*) and the Marine Mammal Protection Act of 1972, as amended (16 U.S.C. 1461 *et seq.*). The manatee is also listed as endangered under the North Carolina Endangered Species Act of 1987 (Article 25 of Chapter 113 of the General Statutes). The U.S. Fish and Wildlife Service (Service) is the lead Federal agency responsible for the protection and recovery of the West Indian manatee under the provisions of the Endangered Species Act.

Adult manatees average 10 feet long and weigh about 2,200 pounds, although some individuals have been recorded at lengths greater than 13 feet and weighing as much as 3,500 pounds. Manatees are commonly found in fresh, brackish, or marine water habitats, including shallow coastal bays, lagoons, estuaries, and inland rivers of varying salinity extremes. Manatees spend much of their time underwater or partly submerged, making them difficult to detect even in shallow water. While the manatee's principal stronghold in the United States is Florida, the species is considered a seasonal inhabitant of North Carolina with most occurrences reported from June through October.

To protect manatees in North Carolina, the Service's Raleigh Field Office has prepared precautionary measures for general construction activities in waters used by the species. Implementation of these measures will allow in-water projects which do not require blasting to proceed without adverse impacts to manatees. In addition, inclusion of these guidelines as conservation measures in a Biological Assessment or Biological Evaluation, or as part of the determination of impacts on the manatee in an environmental document prepared pursuant to the National Environmental Policy Act, will expedite the Service's review of the document for the fulfillment of requirements under Section 7 of the Endangered Species Act. These measures include:

- 1 The project manager and/or contractor will inform all personnel associated with the project that manatees may be present in the project area, and the need to avoid any harm to these endangered mammals. The project manager will ensure that all construction personnel know the general appearance of the species and their habit of moving about completely or partially submerged in shallow water. All construction personnel will be informed that they are responsible for observing water-related activities for the presence of manatees.
2. The project manager and/or the contractor will advise all construction personnel that there are civil and criminal penalties for harming, harassing, or killing manatees which are protected under the Marine Mammal Protection Act and the Endangered Species Act.

3. If a manatee is seen within 100 yards of the active construction and/or dredging operation or vessel movement, all appropriate precautions will be implemented to ensure protection of the manatee. These precautions will include the immediate shutdown of moving equipment if a manatee comes within 50 feet of the operational area of the equipment. Activities will not resume until the manatee has departed the project area on its own volition (i.e., it may not be herded or harassed from the area).

4. Any collision with and/or injury to a manatee will be reported immediately. The report must be made to the U.S. Fish and Wildlife Service (ph. 919-856-4520), the National Marine Fisheries Service (ph. 252-728-8762), and the North Carolina Wildlife Resources Commission (ph. 252-448-1546).

5. A sign will be posted in all vessels associated with the project where it is clearly visible to the vessel operator. The sign should state:

CAUTION: The endangered manatee may occur in these waters during the warmer months, primarily from June through October. Idle speed is required if operating this vessel in shallow water during these months. All equipment must be shut down if a manatee comes within 50 feet of the vessel or operating equipment. A collision with and/or injury to the manatee must be reported immediately to the U.S. Fish and Wildlife Service (919-856-4520), the National Marine Fisheries Service (252-728-8762), and the North Carolina Wildlife Resources Commission (252-448-1546).

6. The contractor will maintain a log detailing sightings, collisions, and/or injuries to manatees during project activities. Upon completion of the action, the project manager will prepare a report which summarizes all information on manatees encountered and submit the report to the Service's Raleigh Field Office.

7. All vessels associated with the construction project will operate at "no wake/idle" speeds at all times while in water where the draft of the vessel provides less than a four foot clearance from the bottom. All vessels will follow routes of deep water whenever possible.

8. If siltation barriers must be placed in shallow water, these barriers will be: (a) made of material in which manatees cannot become entangled; (b) secured in a manner that they cannot break free and entangle manatees; and, (c) regularly monitored to ensure that manatees have not become entangled. Barriers will be placed in a manner to allow manatees entry to or exit from essential habitat.

Prepared by (rev. 02/2017):
U.S. Fish and Wildlife Service
Raleigh Field Office
Post Office Box 33726
Raleigh, North Carolina 27636-3726
919/856-4520

Figure 1. The whole body of the West Indian manatee may be visible in clear water; but in the dark and muddy waters of coastal North Carolina, one normally sees only a small part of the head when the manatee raises its nose to breathe.

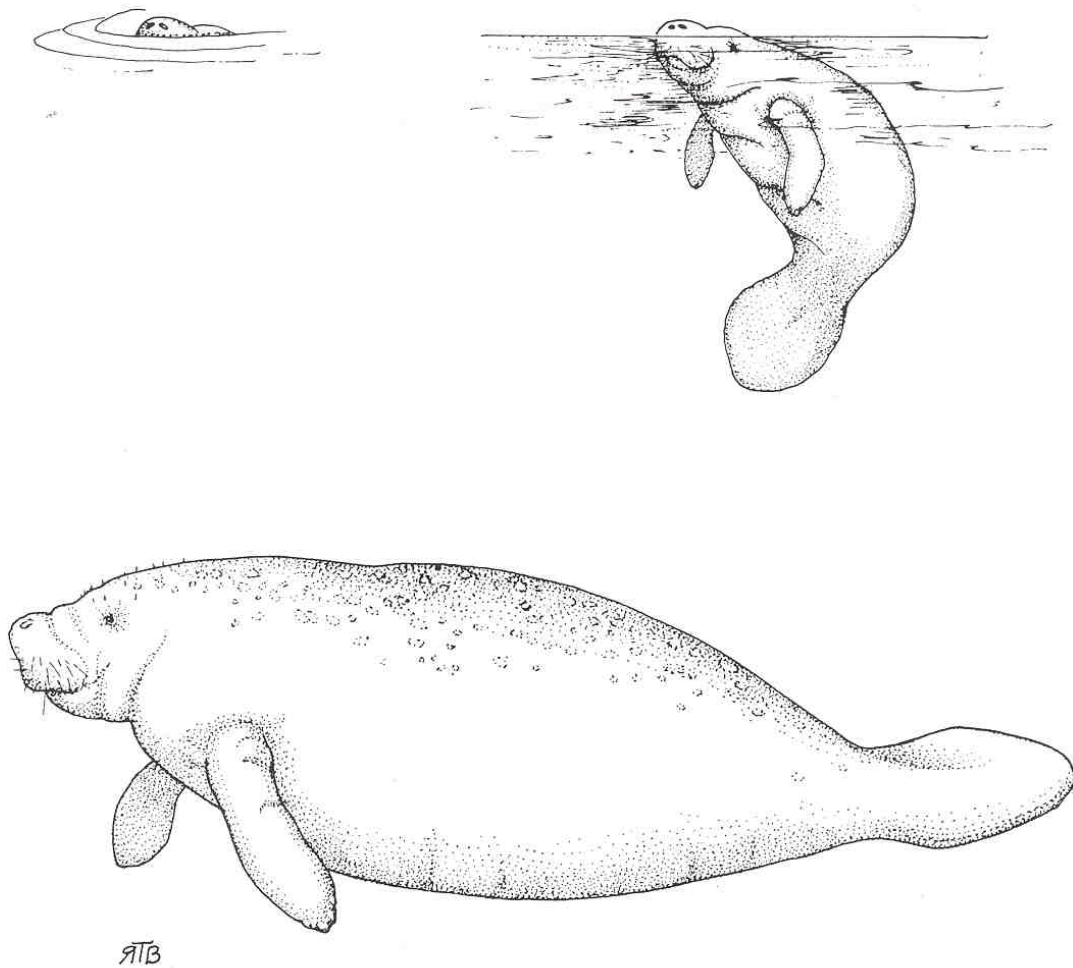




Illustration used with the permission of the North Carolina State Museum of Natural Sciences.

Source: Clark, M. K. 1987. Endangered, Threatened, and Rare Fauna of North Carolina: Part I. A re-evaluation of the mammals. Occasional Papers of the North Carolina Biological Survey 1987-3. North Carolina State Museum of Natural Sciences. Raleigh, NC. pp. 52.

		North Carolina Department of Transportation Highway Stormwater Program STORMWATER MANAGEMENT PLAN FOR NCDOT PROJECTS					
(Version 2.08; Released April 2018)							
WBS Element: 45565.1.1		TIP No.: B-5610		County(ies): Dare		Page 1 of 1	
General Project Information							
WBS Element:		45565.1.1		TIP Number: B-5610		Project Type: Bridge Replacement	
NCDOT Contact:		Kristy Alford, P.E.		Contractor / Designer:		Josh Dalton, P.E.	
Address: NCDOT Structures Management Unit 1581 Mail Service Center Raleigh, NC 27699 Phone: 919-707-6531 Email: kalford@ncdot.gov		Address: Sungate Design Group, P.A. 905 Jones Franklin Road Raleigh, NC 27606 Phone: 919-859-2243 Email: jdalton@sungatedesign.com					
City/Town:		Hatteras		County(ies):		Dare	
River Basin(s):		Tar-Pamlico		CAMA County?		Yes	
Wetlands within Project Limits?		Yes					
Project Description							
Project Length (lin. miles or feet):		0.16		Surrounding Land Use:		Residential, Commercial	
		Proposed Project		Existing Site			
Project Built-Up Area (ac.):		1.1 ac.		1.1 ac.			
Typical Cross Section Description:		One paved 11' lane in each direction with 4' paved shoulders and variable with paved swales.		One paved 15' lane in each direction with 2'-6" curb and gutter.			
Annual Avg Daily Traffic (veh/hr/day):		Design/Future: 5842 Year: 2042		Existing: 4,425		Year: 2022	
General Project Narrative: (Description of Minimization of Water Quality Impacts)		B-5610 is a bridge replacement project that involves removing Dare County bridge #8, on NC 12 over The Slash, and replacing it with a 1@45' and 1@50' 36" PSCG bridge with 4' end bent caps. The existing bridge is 5@17' timber deck on timber piles with timber abutments. The proposed structure will not have deck drains, and existing drainage patterns have been maintained.					
Waterbody Information							
Surface Water Body (1):		The Slash		NCDWR Stream Index No.:		30-22-30-1	
NCDWR Surface Water Classification for Water Body		Primary Classification:		Class SA			
		Supplemental Classification:		High Quality Waters (HQW)			
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)							

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

DARE COUNTY

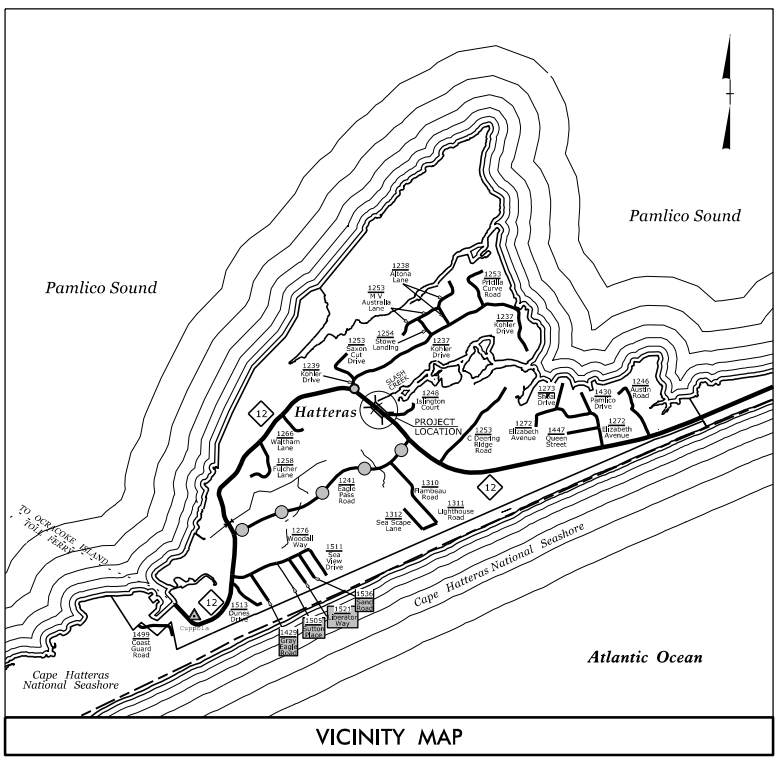
LOCATION: BRIDGE No. 8 OVER THE SLASH CREEK
ON NC 12

TYPE OF WORK: GRADING, DRAINAGE, PAVING, AND STRUCTURE

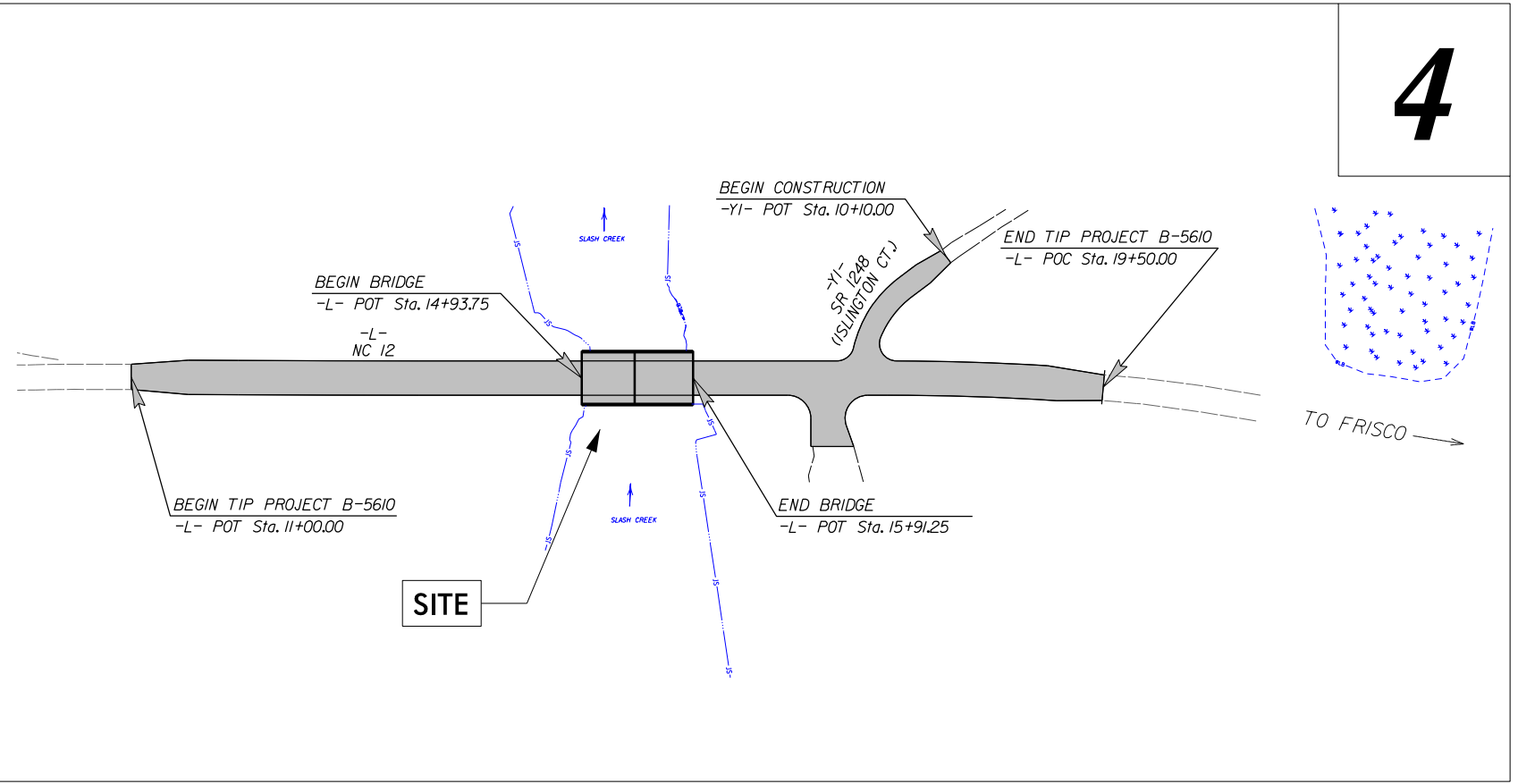
WETLAND AND SURFACE WATER IMPACTS PERMIT

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-5610	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
45565.1.2	NHP-0012(016)	PE	
45565.2.1	0012068	RIGHT-OF-WAY	
45565.2.1	0012068	UTILITIES	

PERMIT DRAWING
SHEET 1 OF 6
DATE: 03-02-22



VICINITY MAP
See Sheet 1A For Index of Sheets
See Sheet 1B For Conventional Symbols
Off-Site Detour



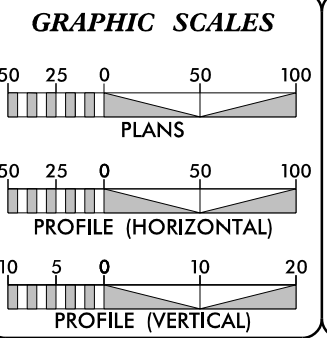
4

CLEARING ON THIS PROJECT SHALL BE TO LIMITS ESTABLISHED USING METHOD II.
THIS PROJECT IS WITHIN THE MUNICIPAL BOUNDRIES OF HATTERAS.

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

TIP PROJECT: B-5610

CONTRACT:



DESIGN DATA
2022 ADT = 4,425 VPD
2042 ADT = 5,842 VPD
K = 8%
D = 55%
T = 8% *
V = 40 MPH
* (TTST 1% + DUAL 7%)
FUNC. CLASS. = MAJOR COLLECTOR
REGIONAL TIER

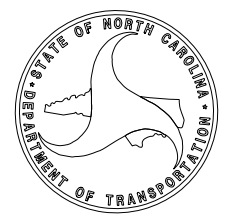
PROJECT LENGTH
LENGTH ROADWAY TIP PROJECT B-5610 = 0.143 mi.
LENGTH STRUCTURES TIP PROJECT B-5610 = 0.018 mi.
TOTAL LENGTH TIP PROJECT B-5610 = 0.161 mi.

Prepared in the Offices of:
STEWART
223 S. WEST ST., STE. 1100
RALEIGH, NC 27603
704.252.4545
Firm License #1: C-1051
www.stewartinc.com

2018 STANDARD SPECIFICATIONS
RIGHT OF WAY DATE:
AUGUST 19, 2021
LETTING DATE:
AUGUST 16, 2022

ANDY YOUNG, PE
PROJECT ENGINEER
MICHAEL BURNS, PE
PROJECT DESIGN ENGINEER
KRISTY ALFORD, PE
NCDOT CONTACT

HYDRAULICS ENGINEER
SIGNATURE: P.E.
ROADWAY DESIGN ENGINEER
SIGNATURE: P.E.



PROJECT REFERENCE NO.
B-5610

ROADWAY DESIGN
ENGINEER

SHEET NO.
4

HYDRAULICS
ENGINEER



STEWART

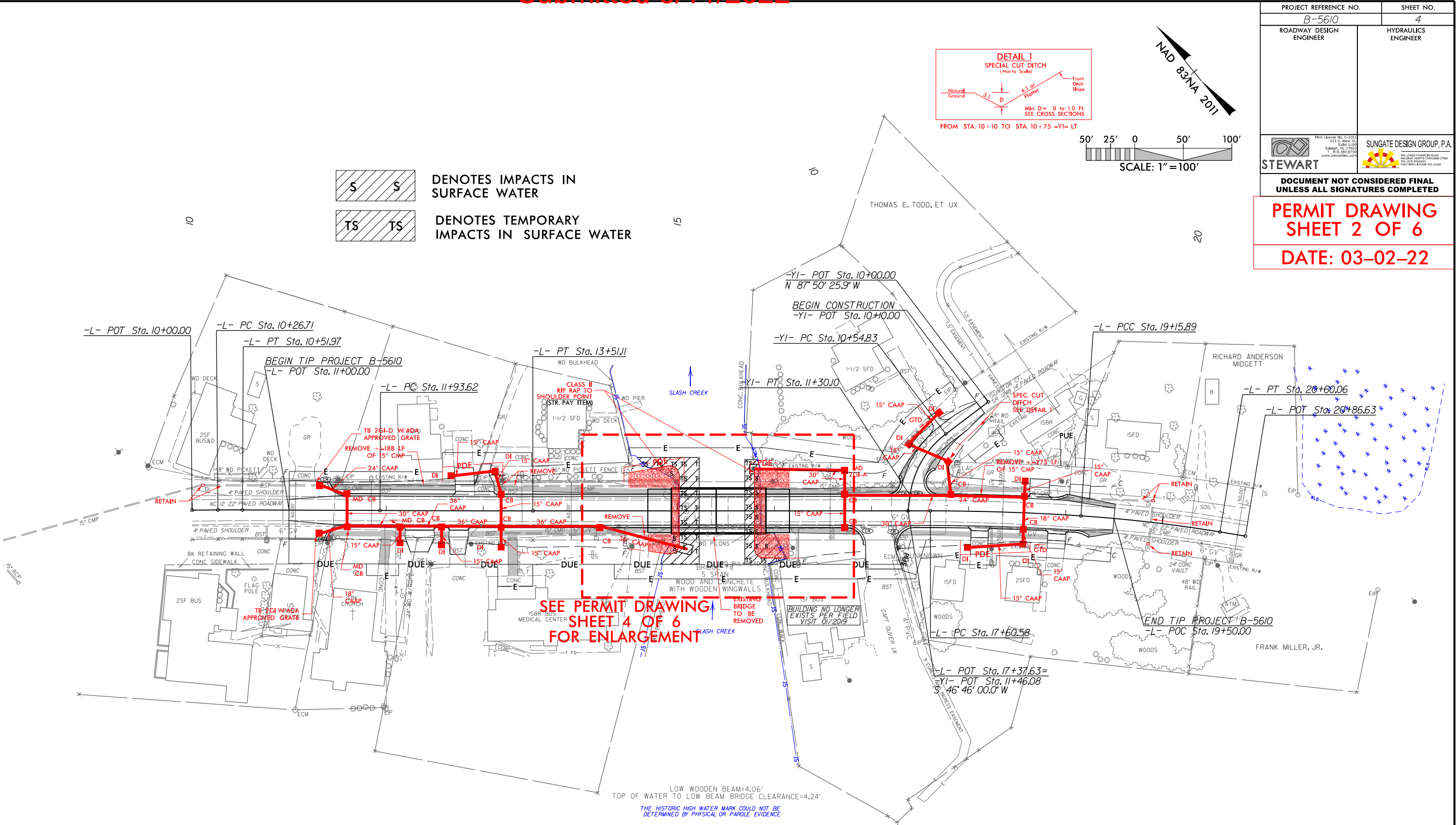


SUNGATE DESIGN GROUP, P.A.


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UNLESS ALL SIGNATURES COMPLETED


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SHEET 2 OF 6


DATE: 03-02-22



1 DROVER LLC DB 1992 PG 95 PC B SLIDE 348	2 HATTERAS UNITED METHODIST CHURCH DB 139 PG 506	2 HATTERAS UNITED METHODIST CHURCH DB 1617 PG 299 DB 8 PG 278 DB A PG 480 DB B PG 420	3 DARREL ALLEN DANIELS, ET UX DB 1670 PG 104 MB 2 PG 225	4 JEFFREY LYNN ODEN DB 1904 PG 311 PB 338 PG 569	5 HATTERAS VILLAGE CIVIC ASSOCIATION INC. DB 974 PG 546 DB 1954 PG 41 DB 1994 PG 306 DB 125 PG 376
6 HATTERAS VILLAGE MEDICAL ASSOCIATES DB 130 PG 591	7 EWN INVESTMENT INC. DB 1734 PG 495 MB 8 PG 55	8 JOSEPHINE A. ODEN, TRUSTEE DB 1744 PG 4	9 JEFFREY LYNN ODEN, ET UX DB 1558 PG 70 PB 338 PG 569	10 CHRISTY D. KELLUM DB 1957 PG 308 PG H SLIDE 173	11 T. STOCKTON & ELIZABETH MIDGETT, ET UX DB 1884 PG 222 MB 4 PG 63

 ASPHALT SHOULDER

 CONCRETE SIDEWALK

 PAVEMENT REMOVAL

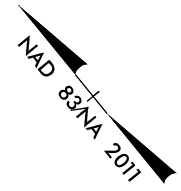
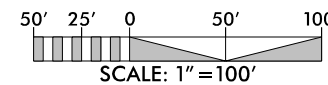
FOR -L- PROFILE, SEE SHEET 5

FOR -YI- PROFILE, SEE SHEET 5

FOR ROW OFFSETS AND STATIONS, SEE SHEET 2B-1

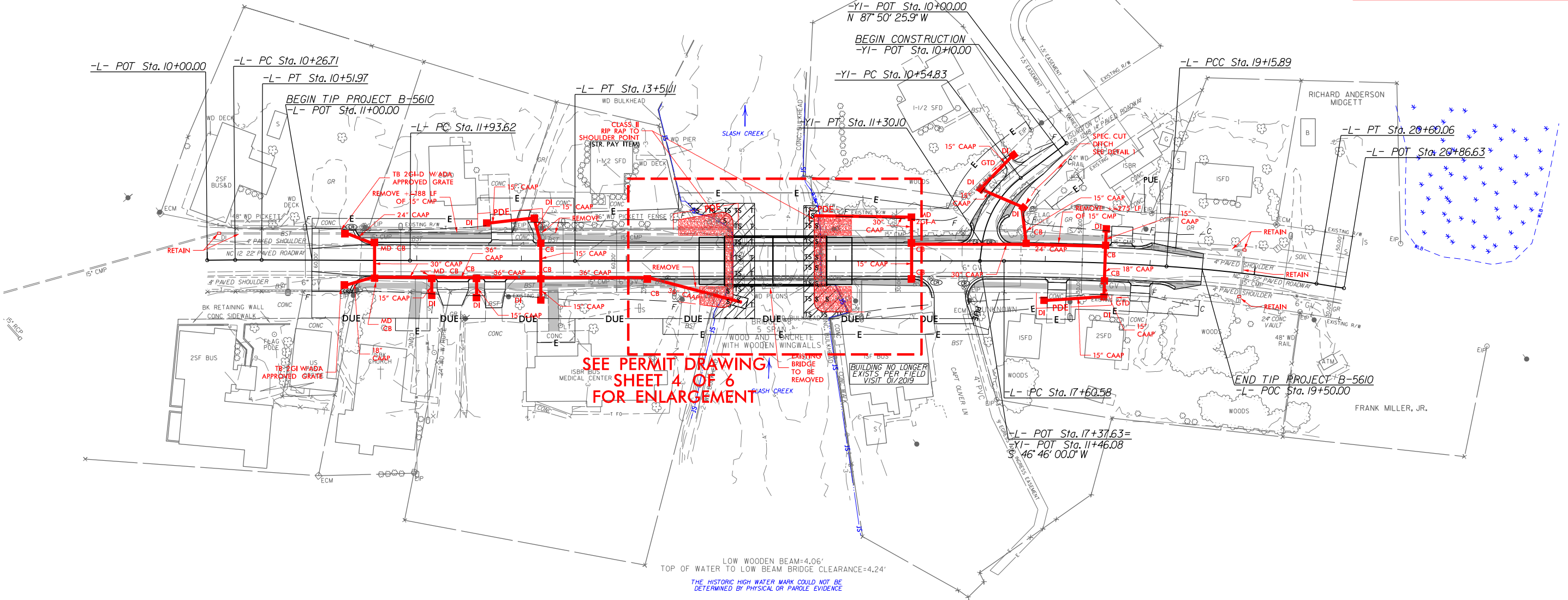
FOR STRUCTURE PLANS, SEE SHEETS S-1 THRU S-2

\$\$\$\$
\$DGN\$\$\$\$








DENOTES IMPACTS IN SURFACE WATER

DENOTES TEMPORARY IMPACTS IN SURFACE WATER




<p>①</p> <p>DROVER LLC DB 1992 PG 95 PC B SLIDE 348</p>	<p>②</p> <p>HATTERAS UNITED METHODIST CHURCH DB 139 PG 506</p>	<p>②</p> <p>HATTERAS UNITED METHODIST CHURCH DB 1617 PG 299 DB 8 PG 278 DB A PG 480 DB B PG 420</p>	<p>③</p> <p>DARREL ALLEN DANIELS, ET UX DB 1670 PG 104 MB 2 PG 225</p>	<p>④</p> <p>JEFFREY LYNN ODEN DB 1904 PG III PB 338 PG 569</p>	<p>⑤</p> <p>HATTERAS VILLAGE CIVIC ASSOCIATION INC. DB 974 PG 546 DB 1954 PG 41 DB 1994 PG 306 DB 125 PG 376</p>
<p>⑥</p> <p>HATTERAS VILLAGE MEDICAL ASSOCIATES DB 130 PG 591</p>	<p>⑦</p> <p>EWN INVESTMENT INC. DB 1734 PG 495 MB 8 PG 55</p>	<p>⑧</p> <p>JOSEPHINE A. ODEN, TRUSTEE DB 1744 PG 4</p>	<p>⑨</p> <p>JEFFREY LYNN ODEN, ET UX DB 1558 PG 70 PB 338 PG 569</p>	<p>⑩</p> <p>CHRISTY D. KELLUM DB 1957 PG 308 PC H SLIDE 179</p>	<p>⑪</p> <p>T. STOCKTON & ELIZABETH MIDGETT, ET UX DB 1884 PG 222 MB 4 PG 63</p>

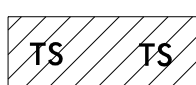
	ASPHALT SHOULDER
	CONCRETE SIDEWALK
	PAVEMENT REMOVAL

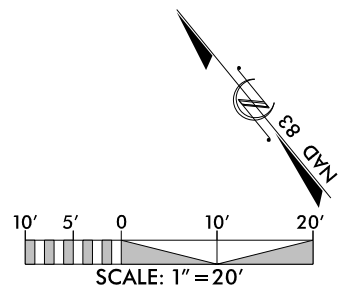
PROJECT REFERENCE NO.		SHEET NO.	
B-5610		4	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
 Firm: License No. C-1051 221 S. Main St. Suite 110 Tulsa, OK 74203 P: 918.586.9766 www.stewartinc.com		 SUNGATE DESIGN GROUP, P.A. 801 JONES FARMER ROAD OKLAHOMA CITY, OKLAHOMA 73117 TEL: 405.766.8888 ENCL: 678.4422 NCL, CAD	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
<h1 style="text-align: center; color: red;">PERMIT DRAWING</h1> <h1 style="text-align: center; color: red;">SHEET 3 OF 6</h1> <h1 style="text-align: center; color: red;">DATE: 03-02-22</h1>			

8/17/99

8/17/99

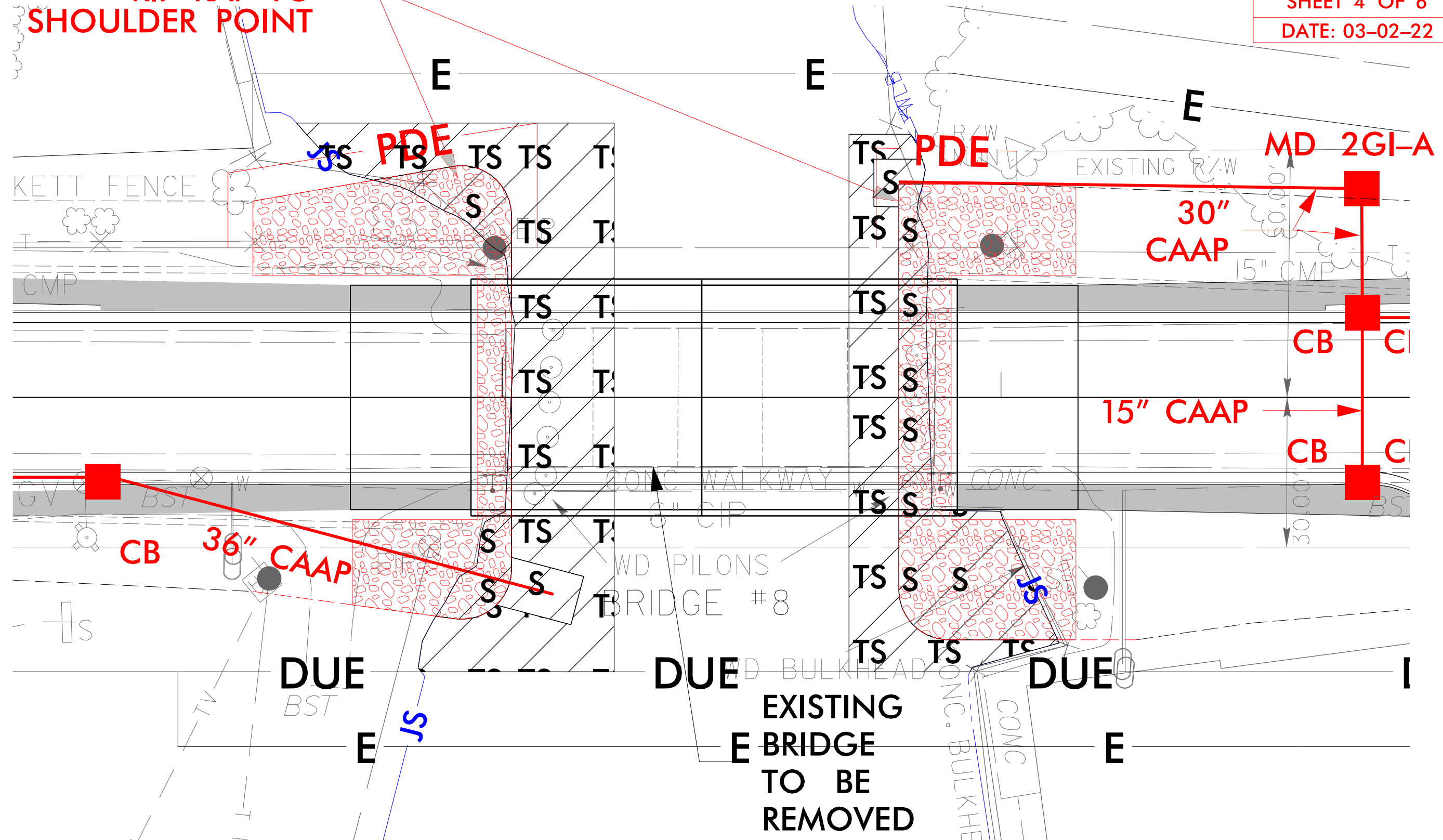
 DENOTES IMPACTS IN SURFACE WATER

 DENOTES TEMPORARY IMPACTS IN SURFACE WATER





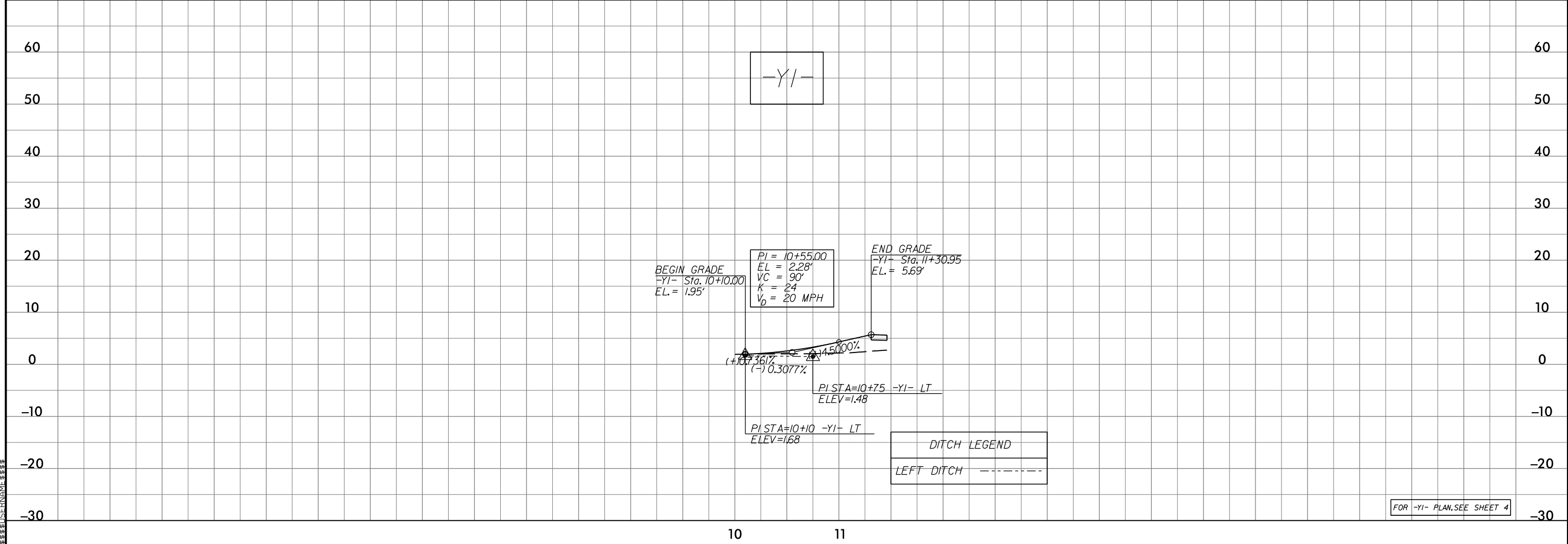
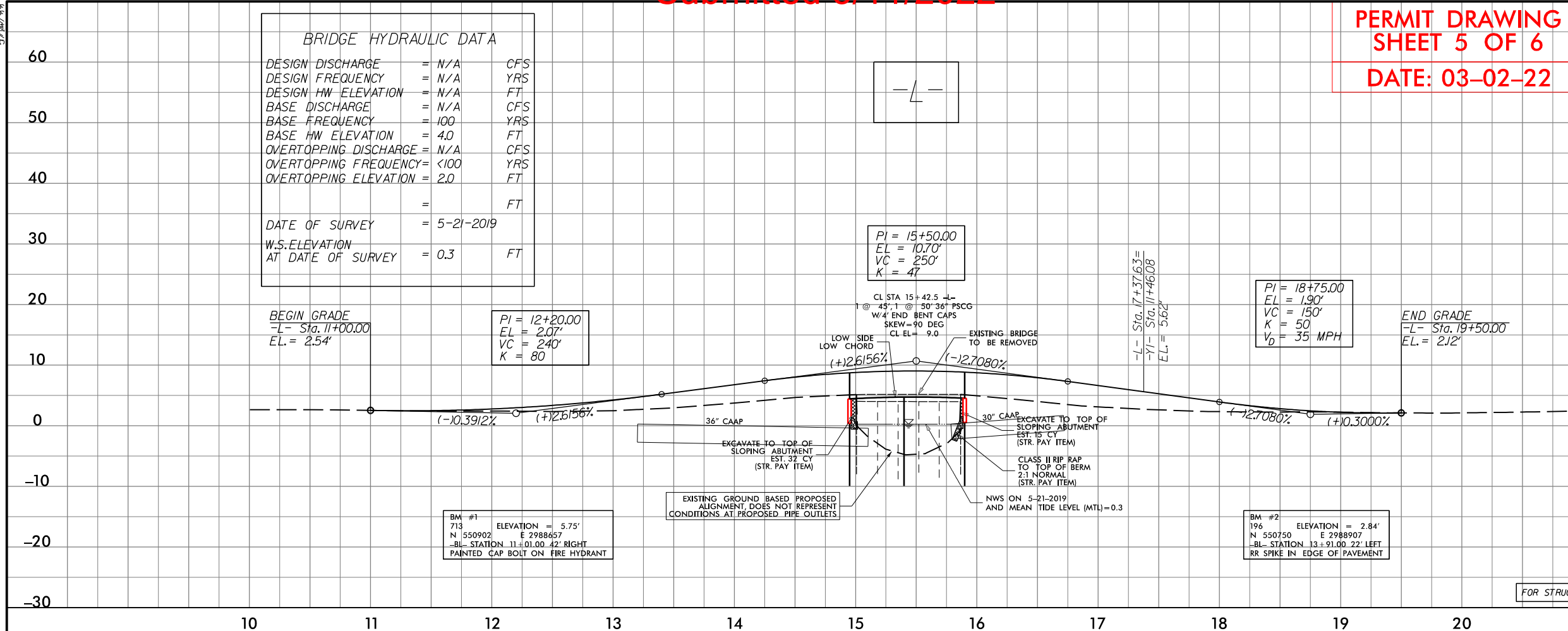
PROJECT REFERENCE NO.		SHEET NO.
B-5610		
RW SHEET NO.		
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		
PERMIT DRAWING SHEET 4 OF 6		
DATE: 03-02-22		

CLASS II
RIP RAP TO
SHOULDER POINT



PERMIT DRAWING
SHEET 5 OF 6
DATE: 03-02-22

PROJECT REFERENCE NO. B-5610		SHEET NO. 5
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER
 STEWART		 SUNGATE DESIGN GROUP, P.A.
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	14+59 to 15+22-L-	ROADWAY FILL						< 0.01	0.06	87	23	
	15+70 to 16+12-L-							0.03	0.03			
	14+98 to 15+23-L-RT	36" PIPE						< 0.01				
	15+75 to 15+85-L-LT	30" PIPE						< 0.01				
TOTALS*:								0.04	0.09	87	23	0

*Rounded totals are sum of actual impacts

NOTES:

NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
03-02-2022
DARE COUNTY
B-5610
45565.1.1

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

T.I.P. NO.	SHEET NO.
B-5610	UE-1

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

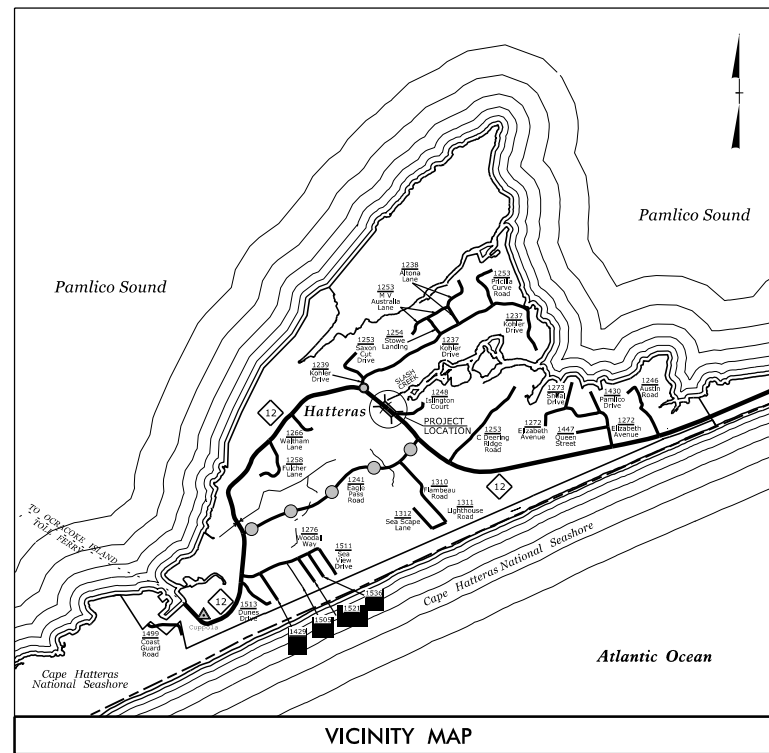
PERMIT DRAWING
SHEET 1 OF 6

DATE: 01-06-22

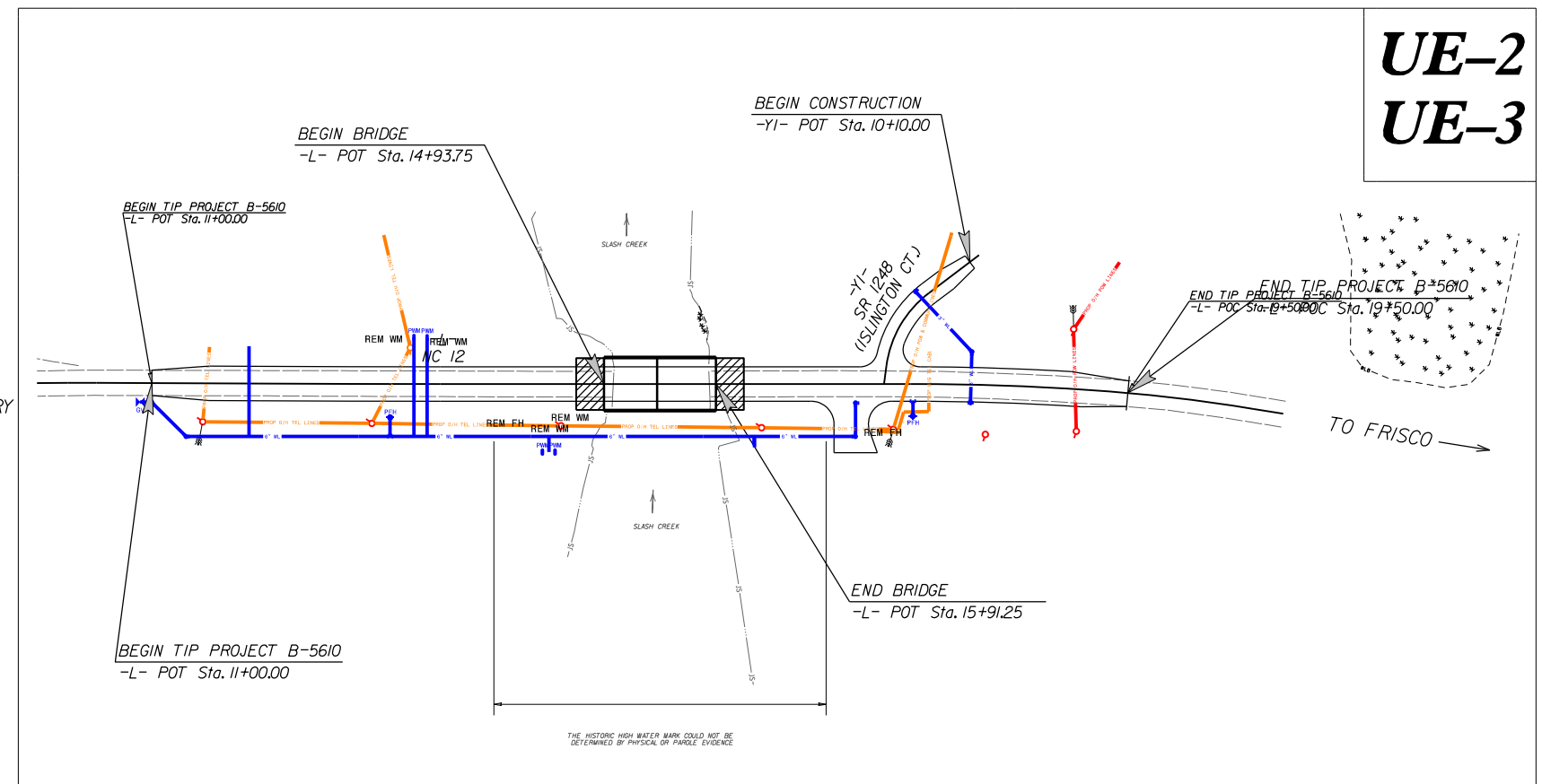
UTILITIES ENVIRONMENTAL PERMIT PLANS
DARE COUNTY

LOCATION: BRIDGE NO. 8 OVER THE SLASH CREEK
ON NC 12

TYPE OF WORK: TELECOMMUNICATIONS AND
POWER RELOCATION



VICINITY MAP

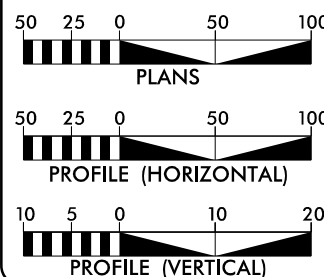


UE-2
UE-3

WETLAND AND SURFACE WATER IMPACTS PERMIT

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

GRAPHIC SCALES

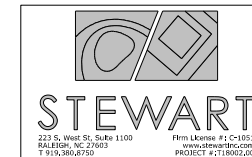


SHEET NO.	DESCRIPTION
UE-1	TITLE SHEET
UE-2 - UE-3	UTILITY PLAN SHEETS
UE-4 - UE-5	UTILITY PROFILE SHEETS

UTILITY OWNERS ON PROJECT

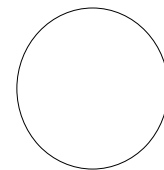
- (A) LUMEN - TELECOMMUNICATIONS
(B) CHARTER - TELECOMMUNICATIONS
(C) CAPE HATTERAS ELECTRIC - POWER

PREPARED IN THE OFFICE OF:



MICHAEL BURNS, PE PROJECT ENGINEER
JOSHUA ROEMER PROJECT DESIGN ENGINEER

SEAL



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

BO HEMPHILL, PE UTILITIES REGIONAL ENGINEER
KELVIN MARTIN UTILITIES ENGINEER
VACANT UTILITIES AREA COORDINATOR
TYRON W. STALLINGS UTILITIES COORDINATOR

UTILITIES BY OTHERS

NOTE:
ALL PROPOSED UTILITY WORK
SHOWN ON THIS SHEET WILL
BE DONE BY OTHERS



PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

PERMIT DRAWING
SHEET 2 OF 6

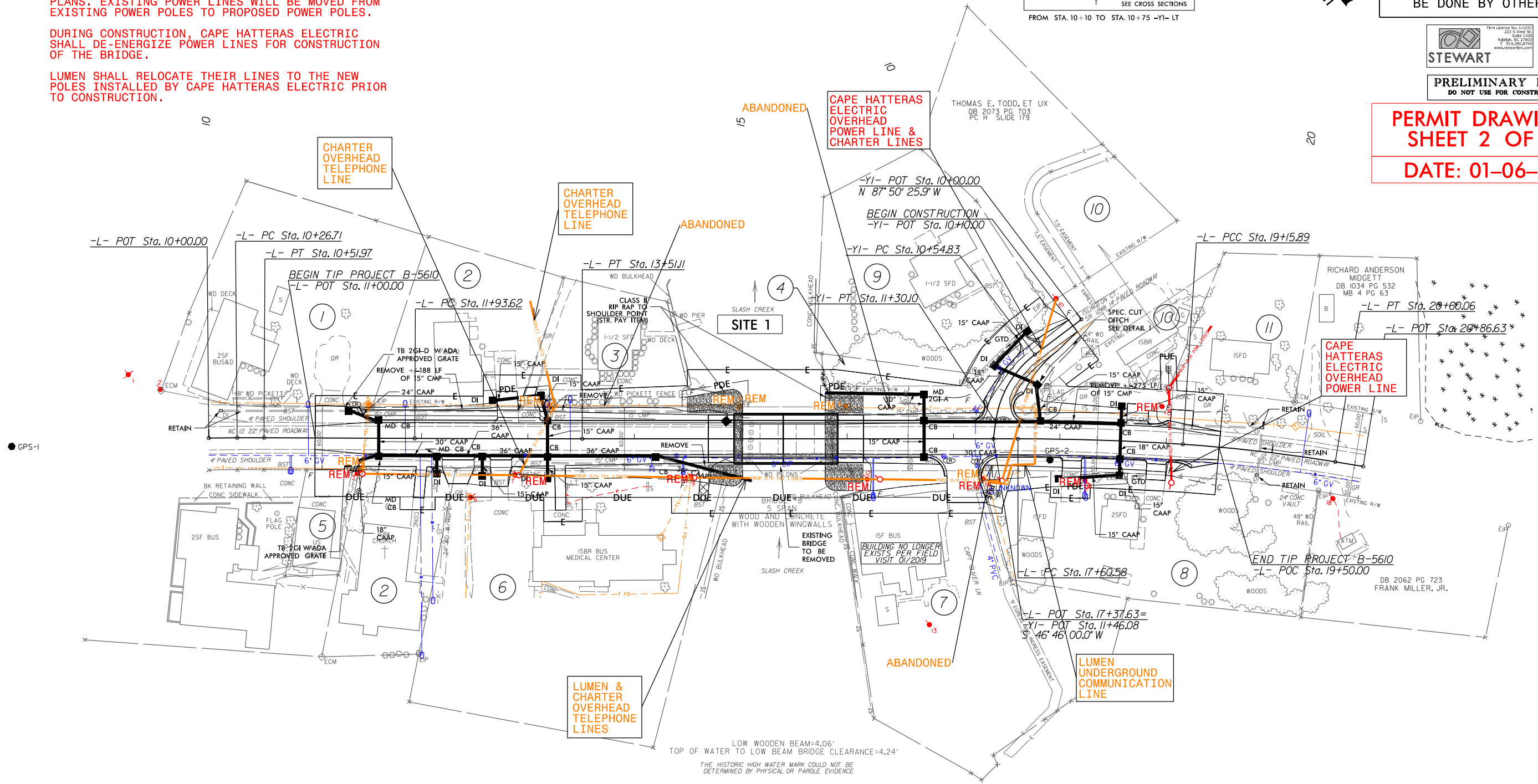
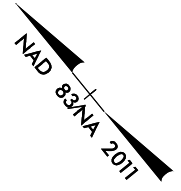
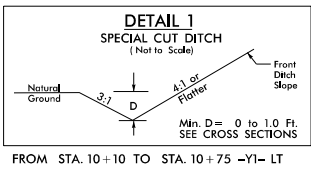
DATE: 01-06-22

NOTE:
EXISTING CAPE HATTERAS POWER LINE ALIGNMENT WILL
BE MAINTAINED ON THE SOUTH SIDE OF NC 12.

PRIOR TO CONSTRUCTION, CAPE HATTERAS ELECTRIC
SHALL INSTALL NEW POLES AS INDICATED ON THE
PLANS. EXISTING POWER LINES WILL BE MOVED FROM
EXISTING POWER POLES TO PROPOSED POWER POLES.

DURING CONSTRUCTION, CAPE HATTERAS ELECTRIC
SHALL DE-ENERGIZE POWER LINES FOR CONSTRUCTION
OF THE BRIDGE.

LUMEN SHALL RELOCATE THEIR LINES TO THE NEW
POLES INSTALLED BY CAPE HATTERAS ELECTRIC PRIOR
TO CONSTRUCTION.

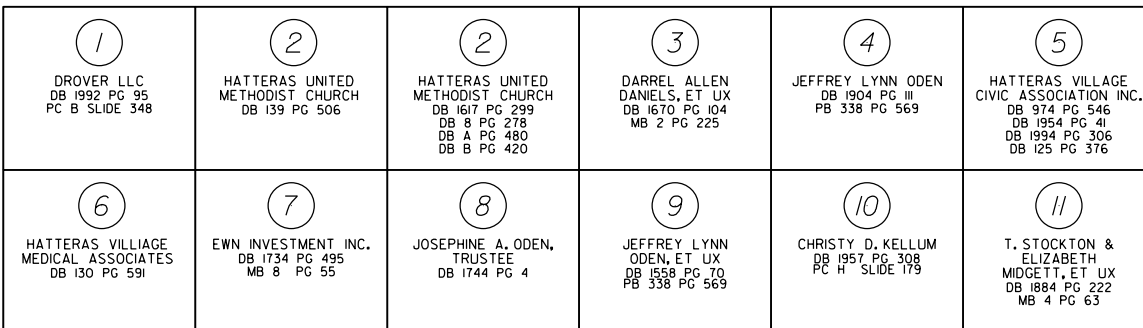


1 DROVER LLC DB 1992 PG 95 PC B SLIDE 348	2 HATTERAS UNITED METHODIST CHURCH DB 139 PG 506	2 HATTERAS UNITED METHODIST CHURCH DB 1617 PG 299 DB 8 PG 278 DB A PG 480 DB B PG 420	3 DARREL ALLEN DANIELS, ET UX DB 1670 PG 104 MB 2 PG 225	4 JEFFREY LYNN ODEN DB 1904 PG 311 PB 338 PG 569	5 HATTERAS VILLAGE CIVIC ASSOCIATION INC. DB 974 PG 546 DB 1954 PG 41 DB 1994 PG 306 DB 125 PG 376
6 HATTERAS VILLAGE MEDICAL ASSOCIATES DB 130 PG 591	7 EWN INVESTMENT INC. DB 1734 PG 495 MB 8 PG 55	8 JOSEPHINE A. ODEN, TRUSTEE DB 1744 PG 4	9 JEFFREY LYNN ODEN, ET UX DB 1558 PG 70 PB 338 PG 569	10 CHRISTY D. KELLUM DB 1957 PG 308 PC H SLIDE 179	11 T. STOCKTON & ELIZABETH MIDGETT, ET UX DB 1884 PG 222 MB 4 PG 63

[illegible]

Firm License No. C-1051
223 S West St.
Suite 1100
Raleigh, NC 27603
T 919.380.8750
www.stewardinc.com

STEWART



PROJECT REFERENCE NO.	SHEET NO.
B-5610	UE-4

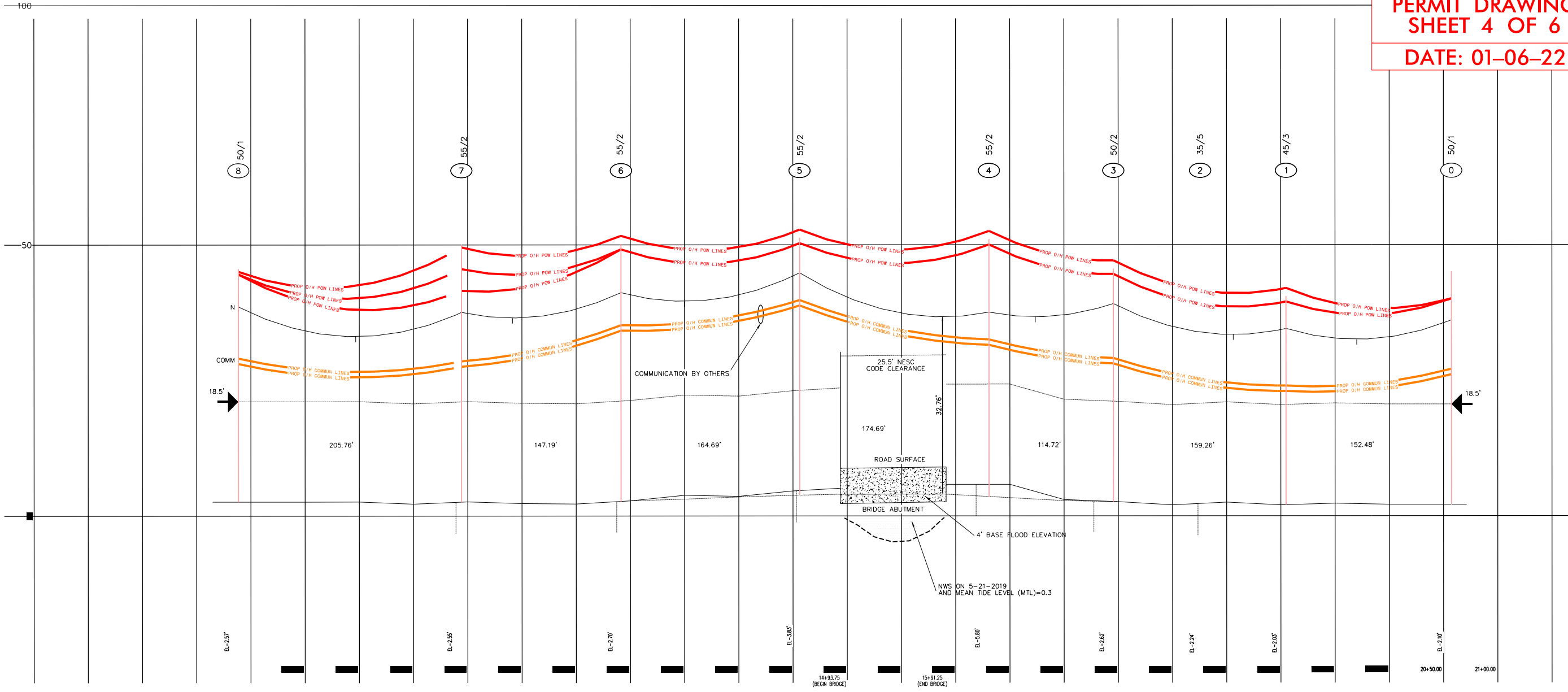
UTILITIES BY OTHERS

NOTE:
ALL PROPOSED UTILITY WORK
SHOWN ON THIS SHEET WILL
BE DONE BY OTHERS



PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

PERMIT DRAWING
SHEET 4 OF 6
DATE: 01-06-22



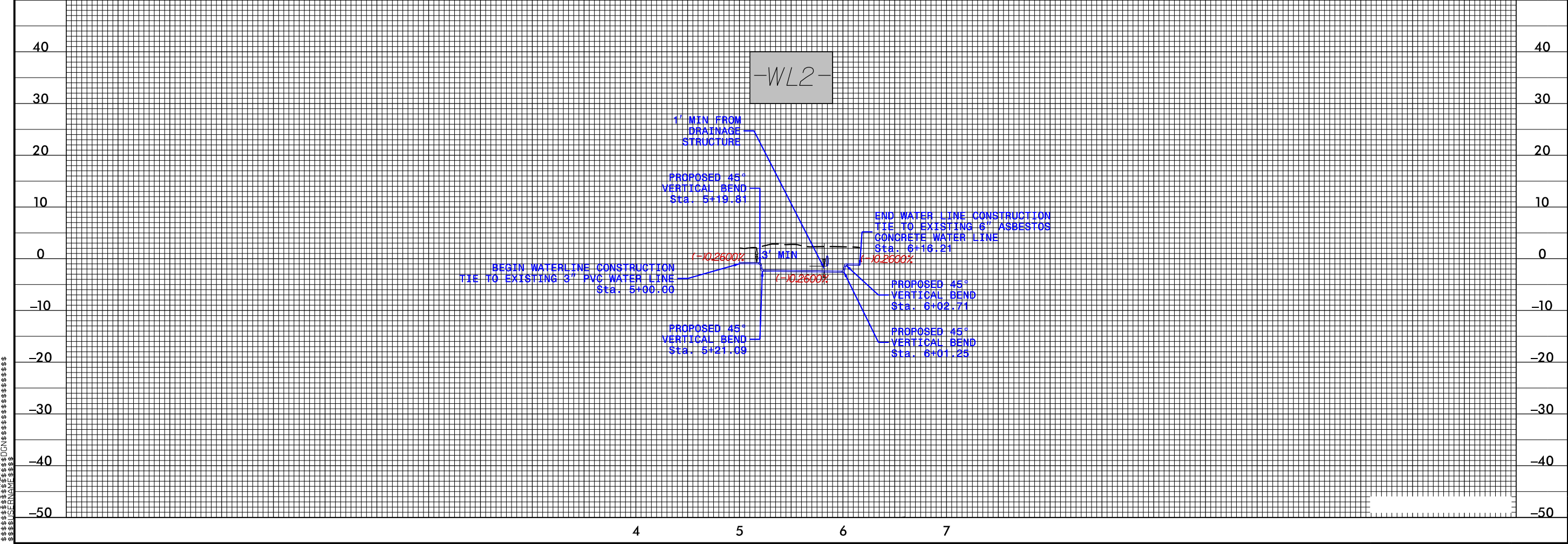
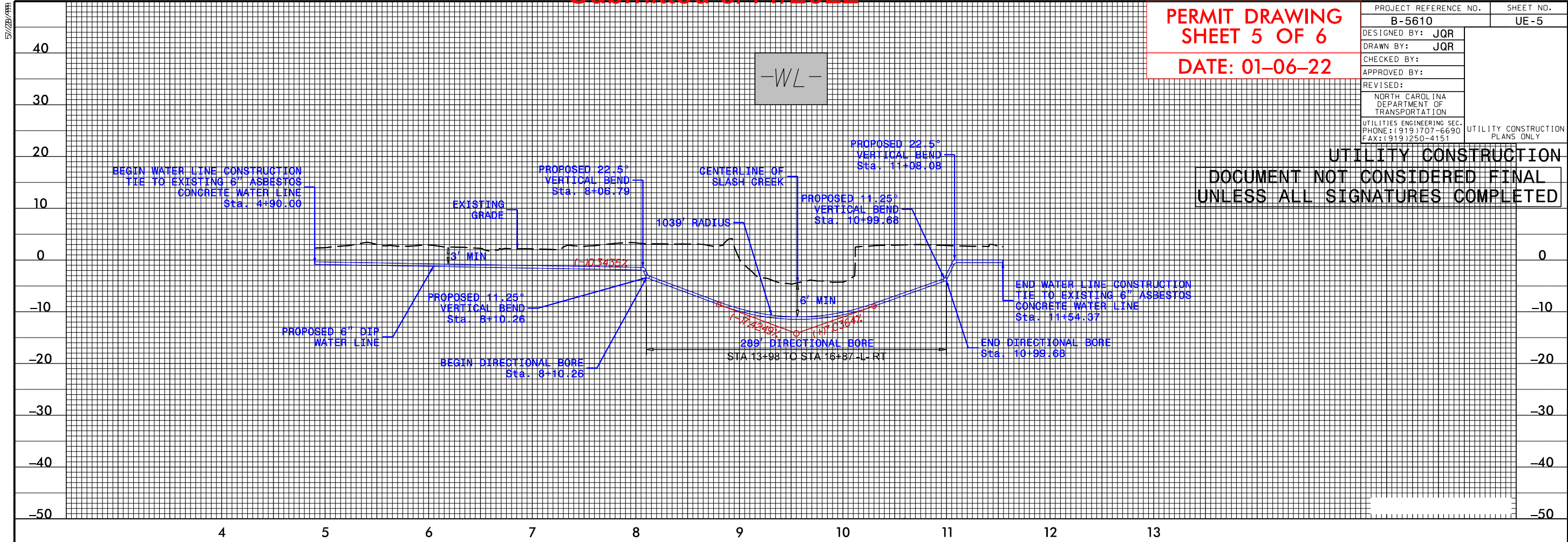
PERMIT DRAWING
SHEET 5 OF 6

DATE: 01-06-22

PROJECT REFERENCE NO.		SHEET NO.
B-5610		UE-5
DESIGNED BY: JQR		UTILITY CONSTRUCTION PLANS ONLY
DRAWN BY: JQR		
CHECKED BY:		
APPROVED BY:		
REVISED:		
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151		

UTILITY CONSTRUCTION

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



[illegible]

*Rounded totals are sum of actual impacts

NOTES:

NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
1-6-22
DARE COUNTY
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