



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

J.R. "JOEY" HOPKINS
SECRETARY

July 18, 2024

MEMORANDUM TO: Division Environmental and Construction Units

FROM: Jason L. Dilday ECAP Eastern Region Group Leader
Environmental Analysis Unit

SUBJECT: Environmental Permits for the Replacement of Bridge 8 on NC 12 over
Slash Creek in Dare County, Division 1, **TIP: B-5610.**

Please find enclosed the following permits for this project:

Agency	Permit Type	Permit Expiration
US Army Corps of Engineers Section 404 Clean Water Act Permit	Regional General Permit 50	May 25, 2025
NC Division of Water Resources Section 401 Water Quality Certification	General Certification No. 4135 [RGP50]	May 25, 2025
NC Division of Coastal Management General Permit	General Permits 07H .2300/.1600	N/A

Work is authorized by the above referenced permit provided it is accomplished in strict accordance with the permitted plans.

The Environmental Coordination and Permitting Group or the Division Environmental Office must be consulted if any deviation from the permit(s) is required.

The General Conditions and Certifications for Nationwide and Regional Permits can be referenced at:
https://xfer.services.ncdot.gov/pdea/PermIssued/_General_Conditions_and_Certifications/

PROJECT COMMITMENTS

T.I.P. Project No B-5610
Replacement of Bridge No. 8 over Slash Creek
On NC 12
Dare County
W.B.S. No. 45565.1.1

COMMITMENTS FROM PROJECT DEVELOPMENT AND DESIGN

NCDOT Hydraulics Unit:

FEMA The project may encroach but will not adversely affect the FEMA-regulated stream. The Hydraulics Unit will coordinate with FEMA to determine if a CLOMR and a subsequent final LOMR are required for the project.

It was determined via coordination with NCDOT Hydraulics Unit that a CLOMR is not required for this project. No further action will be required.

NCDOT Environmental Analysis Unit:

Federally Threatened Species NCDOT will initiate informal consultation with the NMFS to confirm biological conclusions for the Loggerhead sea turtle, Hawksbill sea turtle, Green sea turtle, Leatherback sea turtle, and Kemp's Ridley sea turtle.

Conversations with the NMFS concluded that replacement of Bridge 8 will have "No Effect" on the listed sea turtle species.

NCDOT Division 1 Construction:

Construction and Roadway Closure NCDOT will develop methods to address pedestrian and bicycle accommodations during construction, in coordination with Work Zone Safety.

The project will be constructed utilizing an off-site detour route for vehicular traffic.

There are not sufficient pedestrian accommodations in the vicinity to warrant a separate pedestrian plan during construction. No further action is required.

NCDOT will contact the Dare County Emergency Medical Services' Planning Director at 252- 475-5713 at least one month prior to construction to allow first responders to prepare for the anticipated action.

NCDOT will contact the Hatteras Island Rescue Squad at 252-995-5490 at least one month prior to construction to allow marine first responders to prepare for the anticipated action.

NCDOT will contact the Hatteras Village Volunteer Fire Department at 252-986-2356 at least one month prior to construction to allow emergency personnel to prepare for the anticipated action.

NCDOT will contact the Dare County Schools' Supervisor of Transportation at 252-473-3717 Ext. 3402 at least one month prior to construction to allow schools to prepare for the anticipated action.

FEMA If a CLOMR and subsequent final LOMR are required for the project, NCDOT will submit sealed as-built construction plans to the Hydraulics Unit upon project completion certifying the project was built as shown on construction plans.

It was determined via coordination with NCDOT Hydraulics Unit that a CLOMR is not required for this project. No further action will be required.

HQW NCDOT will adhere to NCDWR's Design Standards for Sensitive Watersheds to avoid and minimize impacts to the designated HQW (The Slash).

During the hydraulic design of the project, this requirement was fulfilled via coordination and review from NCDOT Hydraulics Unit.

West Indian Manatee NCDOT will provide conditions to contractors to adhere to guidelines outlined in GUIDELINES FOR AVOIDING IMPACTS TO THE WEST INDIAN MANATEE Precautionary Measures for Construction Activities in North Carolina Waters (2003 USFWS).

COMMITMENTS FROM PERMITTING

No special conditions developed during permitting.

**U.S. ARMY CORPS OF ENGINEERS
WILMINGTON DISTRICT**

Action Id. **SAW-2022-00579** County: **Dare County** U.S.G.S. Quad: **Hatteras**

GENERAL PERMIT (REGIONAL AND NATIONWIDE) VERIFICATION

Permittee: **Jason Dilday**
NCDOT
Address: **1598 Mail Service Center**
Raleigh NC, 27699-1598
Telephone Number: **(919) 212-5785**

Size (acres) **1** Nearest Town **Hatteras**
Nearest Waterway **Pamlico Sound** River Basin **Pamlico**
USGS HUC **03010205** Coordinates Latitude: **35.218255**; Longitude: **-75.688773**

Location description: **The project area is located on Bridge #8 over Slash Creek on NC 12 approximately 0.04 miles northwest of the intersection of Islington Court in Hatteras Village in Dare County, North Carolina**

Description of projects area and activity: **NCDOT proposes to replace an 86' 5 span bridge with a 95' 1 span core slab bridge over Slash Creek in Hatteras Village, Dare County.**

Applicable Law: ☒ Section 404 (Clean Water Act, 33 USC 1344);
☒ Section 10 (Rivers and Harbors Act, 33 USC 403)

Authorization: Regional General Permit Number and/or Nationwide Permit Number: RGP 50
SEE ATTACHED RGP or NWP GENERAL, REGIONAL AND/OR SPECIAL CONDITIONS

Your work is authorized by the above referenced permit provided it is accomplished in strict accordance with the attached conditions and your submitted application and attached information dated March 2, 2023. Any violation of the attached conditions or deviation from your submitted plans may subject the permittee to a stop work order, a restoration order, a Class I administrative penalty, and/or appropriate legal action.

This verification will remain valid until the expiration date identified below unless the nationwide and/or regional general permit authorization is modified, suspended or revoked. If, prior to the expiration date identified below, the nationwide and/or regional general permit authorization is reissued and/or modified, this verification will remain valid until the expiration date identified below, provided it complies with all requirements of the modified nationwide permit. If the nationwide and/or regional general permit authorization expires or is suspended, revoked, or is modified, such that the activity would no longer comply with the terms and conditions of the nationwide permit, activities which have commenced (i.e., are under construction) or are under contract to commence in reliance upon the nationwide and/or regional general permit, will remain authorized provided the activity is completed within twelve months of the date of the nationwide and/or regional general permit's expiration, modification or revocation, unless discretionary authority has been exercised on a case-by-case basis to modify, suspend or revoke the authorization.

Activities subject to Section 404 (as indicated above) may also require an individual Section 401 Water Quality Certification. You should contact the NC Division of Water Resources (telephone 919-807-6300) to determine Section 401 requirements.

For activities occurring within the twenty coastal counties subject to regulation under the Coastal Area Management Act (CAMA), prior to beginning work you must contact the N.C. Division of Coastal Management in Elizabeth City, NC, at (252) 264-3901.

This Department of the Army verification does not relieve the permittee of the responsibility to obtain any other required Federal, State or local approvals/permits.

If there are any questions regarding this verification, any of the conditions of the Permit, or the Corps of Engineers regulatory program, please contact **Kyle Barnes at (910) 251-4584 or Kyle.W.Barnes@usace.army.mil.**

Corps Regulatory Official: *Moore*
Matthew 2023.04.12 09:21:07
Expiration Date of Verification: **May 25, 2025** Date: **April 11, 2023**

The Wilmington District is committed to providing the highest level of support to the public. To help us ensure we continue to do so, please complete our Customer Satisfaction Survey, located online at <https://regulatory.ops.usace.army.mil/customer-service-survey/>

SPECIAL CONDITIONS

1. The NCDOT shall implement the “Guidelines for Avoiding Impacts to the West Indian Manatee: Precautionary Measures for Construction Activities in North Carolina Waters” as identified by the USFW Service.
2. The Wilmington District, Federal Highway Administration, U.S. Fish and Wildlife Service (USFWS), and the North Carolina Department of Transportation (NCDOT) have conducted programmatic Section 7(a)(2) consultation for the Northern long-eared bat (NLEB) for NCDOT projects located in Divisions 1-8. The result of this programmatic consultation is a Programmatic Biological Opinion (PBO) issued by the USFWS titled, “Programmatic Biological Opinion – Revised, NCDOT Program Effects on the Northern Long-eared Bat in Divisions 1-8”, dated December 15, 2022. This PBO contains agreed upon conservation measures which would minimize take of NLEB. As noted in the PBO, applicability of these conservation measures varies depending on the location of the project. The USFWS has documented that no reasonable and prudent measures, nor terms and conditions, are necessary or appropriate to minimize the amount or extent of incidental take of NLEB caused by the Action; therefore, the incidental take statement does not provide reasonable and prudent measures for this species. Department of the Army (DA) authorization under general permit or standard permit (Individual Permit) is conditional upon the permittee's compliance with applicable, agreed upon conservation measures of the PBO, which is incorporated by reference in this verification letter. Failure to comply with the applicable conservation measures, where a take of the NLEB occurs, would constitute an unauthorized take by the permittee, and would also constitute permittee non-compliance with this verification letter. The USFWS is the appropriate authority to determine compliance with the terms and conditions of its PBO and the ESA. All PBOs can be found on our website at:
<https://www.saw.usace.army.mil/Missions/Regulatory-Permit-Program/Agency-Coordination/ESA/>.

Action ID Number: SAW-2022-00579

County: Dare County

Permittee: Jason Dilday
NCDOT

Project Name: NCDOT / B-5610 / Bridge 8 over Slash Creek on NC 12 / Dare County / Div. 1

Date Verification Issued: April 11, 2023

Project Manager: Kyle Barnes

Upon completion of the activity authorized by this permit and any mitigation required by the permit, sign this certification and return it to the following address:

US ARMY CORPS OF ENGINEERS
WILMINGTON DISTRICT
Attn: Kyle Barnes

Please note that your permitted activity is subject to a compliance inspection by a U. S. Army Corps of Engineers representative. Failure to comply with any terms or conditions of this authorization may result in the Corps suspending, modifying or revoking the authorization and/or issuing a Class I administrative penalty, or initiating other appropriate legal action.

I hereby certify that the work authorized by the above referenced permit has been completed in accordance with the terms and condition of the said permit, and required mitigation was completed in accordance with the permit conditions.

Signature of Permittee

Date

ROY COOPER

Governor

ELIZABETH S. BISER

Secretary

RICHARD E. ROGERS, JR.

Director

April 10, 2023

Dare County

NCDWR Project No. 20220400 v.2

TIP B-5610

Bridge No. 8

APPROVAL of 401 WATER QUALITY CERTIFICATION with ADDITIONAL CONDITIONS

Mr. Michael Turchy
 Environmental Coordination and Permitting
 North Carolina Department of Transportation
 1598 Mail Service Center
 Raleigh, NC 27699-1598

Dear Mr. Turchy:

You have our approval, in accordance with the conditions listed below, for the following impacts for the purpose of replacing Bridge No. 8 over the Slash on NC 12 in Dare County:

Open Water Impacts in the Pasquotank River Basin

Site	Open Water Permanent (ac)	Open Water Temporary (ac)
Bridge 8	0.03	0.08
Total	0.11	

The project shall be constructed in accordance with your revised application dated received March 3, 2023. After reviewing your application, we have decided that these impacts are covered by General Water Quality Certification Number 4135. This certification corresponds to the Regional General Permit 201902350 issued by the Corps of Engineers. In addition, you should acquire any other federal, state or local permits before you proceed with your project including (but not limited to) Sediment and Erosion Control, Non-Discharge and Water Supply Watershed regulations. This approval will expire with the accompanying 404 permit.

This approval is valid solely for the purpose and design described in your application (unless modified below). Should your project change, you must notify the NCDWR and submit a new application. If the property is sold, the new owner must be given a copy of this Certification and approval letter, and is thereby responsible for complying with all the conditions. If total wetland fills for this project (now or in the future) exceed one acre, or of total impacts to streams (now or in the future) exceed 300 linear feet, compensatory mitigation may be required as described in 15A NCAC 2H .0506 (h) (6) and (7). For this approval to remain valid, you must adhere to the conditions listed in the attached certification(s) and any additional conditions listed below.

Condition(s) of Certification:

1. The issuance of this certification does not exempt the Permittee from complying with any and all statutes, rules, regulations, or ordinances that may be imposed by other government agencies (i.e. local, state, and federal) having jurisdiction, including but not limited to applicable buffer rules, stormwater management rules, soil erosion and sedimentation control requirements, etc.



North Carolina Department of Environmental Quality | Division of Water Resources
 512 North Salisbury Street | 1617 Mail Service Center | Raleigh, North Carolina 27699-1617
 919.707.9000

2. The Permittee shall ensure that the final design drawings adhere to the permit and to the permit drawings submitted for approval. [15A NCAC 02H .0507(c) and 15A NCAC 02H .0506 (b)(2) and (c)(2)]
3. Adherence to *The Guidelines for Avoiding Impacts to the West Indian Manatee: Precautionary Measures for Construction Activities in North Carolina Waters* will be required throughout construction.
4. If activities must occur during periods of high biological activity (e.g. sea turtle nesting, fish spawning, or bird nesting), then biological monitoring may be required at the request of other state or federal agencies and coordinated with these activities. All moratoriums on construction activities established by the NC Wildlife Resources Commission (WRC), US Fish and Wildlife Service (USFWS), NC Division of Marine Fisheries (DMF), or National Marine Fisheries Service (NMFS) shall be implemented. Exceptions to this condition require written approval by the resource agency responsible for the given moratorium.
5. The outside buffer, wetland or water boundary located within the construction corridor approved by this authorization, including all non-commercial borrow and waste sites associated with the project, shall be clearly marked by highly visible fencing prior to any land disturbing activities. Impacts to areas within the fencing are prohibited unless otherwise authorized by this certification. [15A NCAC 02H.0501 and .0502]
6. During the construction of the project, no staging of equipment of any kind is permitted in waters of the U.S., or protected riparian buffers. [15A NCAC 02H.0506(b)(2)]
7. All mechanized equipment operated near surface waters must be regularly inspected and maintained to prevent contamination of stream waters from fuels, lubricants, hydraulic fluids, or other toxic materials. [15A NCAC 02H.0506(b)(3)]
8. No rock, sand or other materials shall be dredged from the stream channel except where authorized by this certification. [15A NCAC 02H.0506(b)(3)]
9. When applicable, all construction activities shall be performed and maintained in full compliance with G.S. Chapter 113A Article 4 (Sediment and Pollution Control Act of 1973). Regardless of applicability of the Sediment and Pollution Control Act, all projects shall incorporate appropriate Best Management Practices for the control of sediment and erosion so that no violations of state water quality standards, statutes, or rules occur. [15A NCAC 02H .0506(b)(3) and (c)(3) and 15A NCAC 02B .0200]
 - a. Design, installation, operation, and maintenance of all sediment and erosion control measures shall be equal to or exceed the requirements specified in the most recent version of the *North Carolina Sediment and Erosion Control Manual*, or for linear transportation projects, the *NCDOT Sediment and Erosion Control Manual*.
 - b. All devices shall be maintained on all construction sites, borrow sites, and waste pile (spoil) sites, including contractor-owned or leased borrow pits associated with the project. Sufficient materials required for stabilization and/or repair of erosion control measures and stormwater routing and treatment shall be on site at all times.
 - c. For borrow pit sites, the erosion and sediment control measures shall be designed, installed, operated, and maintained in accordance with the most recent version of the *North Carolina Surface Mining Manual*. Reclamation measures and implementation shall comply with the reclamation in accordance with the requirements of the Sedimentation Pollution Control Act and the Mining Act of 1971.
 - d. If the project occurs in waters or watersheds classified as Primary Nursery Areas (PNAs), SA, WS-1, WS-11, High Quality Waters (HQW), or Outstanding Resource Waters (ORW), then the sedimentation and erosion control designs shall comply with the requirements set forth in 15A NCAC 04B .0124, *Design Standards in Sensitive Watershed*. [15A NCAC 02H.0506(b)(3) and (c)(3); GC 4135]
10. Sediment and erosion control measures shall not be placed in wetlands or surface waters or within 5 feet of the top of bank without prior approval from DWR. [15A NCAC 02H.0506(b)(3) and (c)(3)]
11. Erosion control matting in riparian areas shall not contain a plastic or nylon mesh grid which can impinge and entrap small animals. Matting should be secured in place by staples, stakes, or wherever possible live stakes of native trees. Riparian areas are defined as a distance 25 feet from top of stream bank. [15A NCAC 02B.0201]



12. If placement of sediment and erosion control devices in wetlands and waters is unavoidable, then design and placement of temporary erosion control measures shall not be conducted in a manner that may result in disequilibrium of wetlands, stream beds, or banks, adjacent to or upstream and downstream of the above structures. All sediment and erosion control devices shall be removed from wetlands and waters and the natural grade restored within two (2) months of the date that the Division of Energy, Mining and Land Resources (DEMLR) or locally delegated program has released the specific area within the project. [15A NCAC 02H.0506(b)(3) and (c)(3)]
13. As a condition of this 401 Water Quality Certification, the bridge demolition and construction must be accomplished in strict compliance with the most recent version of NCDOT's Best Management Practices for Construction and Maintenance Activities. [15A NCAC 02H .0507(d)(2) and 15A NCAC 02H .0506(b)(5)]
14. Bridge deck drains shall not discharge directly into the stream. Stormwater shall be directed across the bridge and pre-treated through site-appropriate means (grassed swales, pre-formed scour holes, vegetated buffers, etc.) where possible before entering the stream. To meet the requirements of NCDOT's NPDES permit NCS0000250, please refer to the most recent version of the North Carolina Department of Transportation Stormwater Best Management Practices Toolbox manual for approved measures. [15A NCAC 02H .0507(d)(2) and 15A NCAC 02H .0506(b)(5)]
15. All bridge construction shall be performed from the existing bridge, temporary work bridges, temporary causeways, or floating or sunken barges. If work conditions require barges, they shall be floated into position and then sunk. The barges shall not be sunk and then dragged into position. Under no circumstances should barges be dragged along the bottom of the surface water. [15A NCAC 02H .0506(b)(3)]
16. Bridge piles and bents shall be constructed using driven piles (hammer or vibratory) or drilled shaft construction methods. More specifically, jetting or other methods of pile driving are prohibited without prior written approval from the NCDWR first. [15A NCAC 02H.0506(b)(2)]
17. The use of rip-rap above the Normal High Water Mark shall be minimized. Any rip-rap placed for stream stabilization shall be placed in stream channels in such a manner that it does not impede aquatic life passage. [15A NCAC 02H.0506(b)(2)]
18. No drill slurry or water that has been in contact with uncured concrete shall be allowed to enter surface waters. This water shall be captured, treated, and disposed of properly. [15A NCAC 02H .0506(b)(3)]
19. A turbidity curtain will be installed in the stream if driving or drilling activities occur within the stream channel, on the stream bank, or within 5 feet of the top of bank, or during the removal of bents from an old bridge. This condition can be waived with prior approval from the NCDWR. [15A NCAC 02H .0506(b)(3)]
20. Native riparian vegetation must be reestablished in the riparian areas within the construction limits of the project by the end of the growing season following completion of construction. [15A NCAC 02H.0506(b)(2)]
21. Discharging hydroseed mixtures and washing out hydroseeders and other equipment in or adjacent to surface waters is prohibited. [15A NCAC 02H.0506(b)(3)]
22. NCDOT shall be in compliance with the NCS00250 issued to the NCDOT, including the applicable requirements of the NCG01000.
23. The permittee and its authorized agents shall conduct its activities in a manner consistent with State water quality standards (including any requirements resulting from compliance with §303(d) of the Clean Water Act) and any other appropriate requirements of State and Federal law. If the NCDWR determines that such standards or laws are not being met (including the failure to sustain a designated or achieved use) or that State or federal law is being violated, or that further conditions are necessary to assure compliance, the NCDWR may reevaluate and modify this certification. [15A NCAC 02B.0200]
24. The Permittee shall report any violations of this certification to the Division of Water Resources within 24 hours of discovery. [15A NCAC 02B.0506(b)(2)]



25. The NCDOT will conduct a pre-construction meeting with all appropriate staff to ensure that the project supervisor and essential staff understand the permit conditions and any potential issues at the permitted site. NCDWR staff shall be invited to the pre-construction meeting. [15A NCAC 02H.0506(b)(2) and (b)(3)]
26. Upon completion of the project (including any impacts at associated borrow or waste sites), the NCDOT Division Engineer shall complete the "Certification of Completion Form" to notify the NCDWR when all work included in the 401 Certification has been completed. [15A NCAC 02H.0502(f)]
27. A copy of this Water Quality Certification shall be maintained on the construction site at all times. In addition, the Water Quality Certification and all subsequent modifications, if any, shall be maintained with the Division Engineer and the on-site project manager. [15A NCAC 02H .0507(c) and 15A NCAC 02H .0506 (b)(2) and (c)(2)]

If you wish to contest any statement in the attached Certification you must file a petition for an administrative hearing. You may obtain the petition form from the office of Administrative hearings. You must file the petition with the office of Administrative Hearings within sixty (60) days of receipt of this notice. A petition is considered filed when it is received in the office of Administrative Hearings during normal office hours. The Office of Administrative Hearings accepts filings Monday through Friday between the hours of 8:00am and 5:00pm, except for official state holidays. The original and one (1) copy of the petition must be filed with the Office of Administrative Hearings.

The petition may be faxed-provided the original and one copy of the document is received by the Office of Administrative Hearings within five (5) business days following the faxed transmission. The mailing address for the Office of Administrative Hearings is:

Office of Administrative Hearings
6714 Mail Service Center
Raleigh, NC 27699-6714
Telephone: (919) 431-3000, Facsimile: (919) 431-3100

A copy of the petition must also be served on DEQ as follows:

Mr. Bill F. Lane, General Counsel
Department of Environmental Quality
1601 Mail Service Center

This letter completes the review of the Division of Water Resources under Section 401 of the Clean Water Act. If you have any questions, please contact Garcy Ward at (252)948-3917 or garcy.ward@ncdenr.gov.

Sincerely,
DocuSigned by:
Amy Chapman
9C9886312DCD474...

Richard E. Rogers, Jr., Director
Division of Water Resources

Electronic copy only distribution:

Kyle Barnes, US Army Corps of Engineers, Washington Field Office
Jason Dilday, NCDOT
Greg Daisey, NC Division of Coastal Management
Cathy Brittingham, NC Division of Coastal Mangement
Garcy Ward, NC Division of Water Resources, Washington Regional Office
File Copy



North Carolina Department of Environmental Quality | Division of Water Resources
512 North Salisbury Street | 1617 Mail Service Center | Raleigh, North Carolina 27699-1617
919.707.9000



GENERAL PERMIT

IN 89802

A B C D

Previous permit _____
Date previous permit issued _____

☒ New ☐ Modification ☐ Complete Reissue ☐ Partial Reissue

As authorized by the State of North Carolina, Department of Environmental Quality and the Coastal Resources Commission in an area of environmental concern pursuant to:

15A NCAC 07H .2300 / .1600 ☐ Rules attached. ☒ General Permit Rules available at the following link: www.deq.nc.gov/CAMARules

Applicant Name NC DOT
Address 1000 BIRCH RIDGE DR.
City RALEIGH State NC ZIP 27610
Phone # (919) 707-6157
Email maturchy@ncdot.gov

Authorized Agent MICHAEL TURCHY
Project Location (County): DARE
Street Address/State Road/Lot # (s) BRIDGE NO. 8
NC HWY 12 OVER SLASH CREEK
Subdivision _____
City HATTERAS ZIP 27943

Affected ☐ CW ☒ EW ☒ PTA ☒ ES ☐ PTS
AEC(s): ☐ OEA ☐ IHA ☐ UW ☐ SPIMA ☐ PWS
ORW: yes ☒ no ☐ PNA: yes ☒ no ☐

Adj. Wtr. Body SLASH CREEK (hat/man/unk)
Closest Maj. Wtr. Body PAMLICO SOUND

Type of Project/ Activity REPLACE EXISTING BRIDGE (86' L, 5 SPAN) WITH NEW STRUCTURE (95' L, 2 SPAN) ON EXISTING
ALIGNMENT WITH RIP RAP STABILIZATION. TEMPORARY COFFER DAM WILL BE UTILIZED AS CONSTRUCTION METHODOLOGY. Scale: N/A
Shoreline Length < 500' AERIAL UTILITIES WILL BE RELOCATED AND WATER LINE WILL BE BORED.

Access Length _____
Pier (dock) length _____
Fixed Platform(s) _____
Floating Platform(s) _____
Finger pier(s) _____
Total Platform area _____
Groin length/# _____
Bulkhead/Riprap length 95'
Avg distance offshore 5'-10'
Breakwater/Sill _____
Max distance/ length _____
Basin, channel _____
Cubic yards _____
Boat ramp _____
Boathouse/ Boatlift _____
Beach Bulldozing _____
Other 95' L, 2 SPAN BRIDGE

PLANS ATTACHED AND INCORPORATED INTO PERMIT:
* BRIDGE - SIX (6) DATED 07/03/2023
* UTILITIES - FIVE (5) DATED 01/20/2023
* COFFER DAM STRUCTURES UTILIZED AS BRIDGE CONSTRUCTION METHODOLOGY CONSIDERED TEMPORARY AND SHALL BE REMOVED ENTIRELY WHEN NO LONGER NEEDED OR UPON WRITTEN NOTICE FROM DCM

WATERLINE - 330' BORE
TEMPORARY COFFER DAM
SAV observed: yes ☒ no ☐
Moratorium: n/a yes ☒ no ☐
Site Photos: yes ☒ no ☐
Riparian Waiver Attached: yes ☒ no ☐

Note: Three (3) revised plan sheets dated received 6-28-24 to allow installation of 495 linear feet of telecommunication line via a 4" directional bore under The Slash attached and incorporated into permit. 24-7-5-24

A building permit/zoning permit may be required by: DARE
Permit Conditions ① DEVELOPMENT AUTHORIZED BY THIS PERMIT SHALL ONLY BE CONDUCTED WITHIN NC DOT RIGHT OF WAYS AND/OR EASEMENTS ② THIS PERMIT DOES NOT ELIMINATE THE NEED TO OBTAIN ANY OTHER NECESSARY STATE, LOCAL OR FEDERAL AUTHORIZATIONS ③ PILING FROM THE EXISTING, AS WELL AS REMNANT PILING, SHALL BE REMOVED IN THEIR ENTIRETY.
☐ TAR/PAM/NEUSE/BUFFER (circle one)
☐ See note on back regarding River Basin rules
☒ See additional notes/conditions on back

I AM AWARE OF STATUTES, CRC RULES AND CONDITIONS THAT APPLY TO THIS PROJECT AND REVIEWED COMPLIANCE STATEMENT. (Please Initial) _____
Michael Turchy
Agent or Applicant PRINTED Name Michael Turchy
DocuSigned by: GREG DAISEY
3CFF2BCF59604C1...
Signature **Please read compliance statement on back of permit**
Application Fee(s) \$800.00 WRS# 45565.1.2 Check #/Money Order
Issuing Date 08/30/2023 No EXPIRATION PERMANENT TO
Required 7-5-24
Expiration Date GS 136-44.71

Statement of Compliance and Consistency

This permit is subject to compliance with this application and permit conditions. Any violation of these terms may subject the permittee to a fine or criminal or civil action; and may cause the permit to become null and void. This permit must be on the project site and accessible to the permit officer when the project is inspected for compliance. The applicant certifies by signing this permit that: 1) prior to undertaking any activities authorized by this permit, the applicant will confer with appropriate local authorities to confirm that this project is consistent with the local land use plan and all local ordinances, and 2) a written statement from the adjacent riparian property owner(s) has been obtained, or proof of delivery of certified mail notification of the adjacent riparian property owner(s).

The State of North Carolina and the Division of Coastal Management, in issuing this permit under the best available information and belief, certify that this project is consistent with the North Carolina Coastal Management Program.

River Basin Rules Applicable To Your Project:

☐ Tar - Pamlico River Basin Buffer Rules ☐ Neuse River Basin Buffer Rules

If indicated on front of permit, your project is subject to the Environmental Management Commission's Buffer Rules for the River Basin checked above due to its location within that River Basin. These buffer rules are enforced by the NC Division of Water Resources. If you have any questions, please contact the Division of Water Resources at the Washington Regional Office (252-946-6481) or the Wilmington Regional Office (910-796-7215).

Notes/Additional Permit Conditions:

④ MEASURES SUFFICIENT TO RESTRAIN AND EROSION SHALL BE IMPLEMENTED ⑤ SUBAQUEOUS LINES MUST BE PLACED AT A DEPTH OF TWO FEET BELOW THE BOTTOM CONTOUR. ⑥ IN ORDER TO PROTECT WATER QUALITY, RUNOFF FROM CONSTRUCTION SHALL NOT VISIBLY INCREASE THE AMOUNT OF SUSPENDED SEDIMENTS IN ADJACENT WATERS

USACE ACTION ID: SAW-2022-00579 (APRIL 11, 2023)

DWR GENERAL WATER QUALITY CERTIFICATION 4135 (NCDWR PROJECT NO. 20220400 v.2 APRIL 10, 2023)

Please ensure all debris associated with the removal or construction of the permitted development is contained within the authorized project area and disposed of in an appropriate upland location.

Division of Coastal Management Offices

Morehead City Headquarters

400 Commerce Ave Morehead City, NC 28557
252-808-2808/ 1-888-4RCOAST Fax: 252-247-3330
(Serves: Carteret, Craven – south of the Neuse River, Onslow Counties)

Elizabeth City District



401 S. Griffin St. Ste. 300
Elizabeth City, NC 27909
252-264-3901
(Serves: Bertie, Camden, Chowan, Currituck, Dare, Gates, Hertford, Pasquotank and Perquimans Counties)

Washington District

943 Washington Square Mall Washington, NC 27889
252-946-6481
Fax: 252-948-0478
(Serves: Beaufort, Craven – north of the Neuse River, Hyde, Pamlico, Tyrrell and Washington Counties)

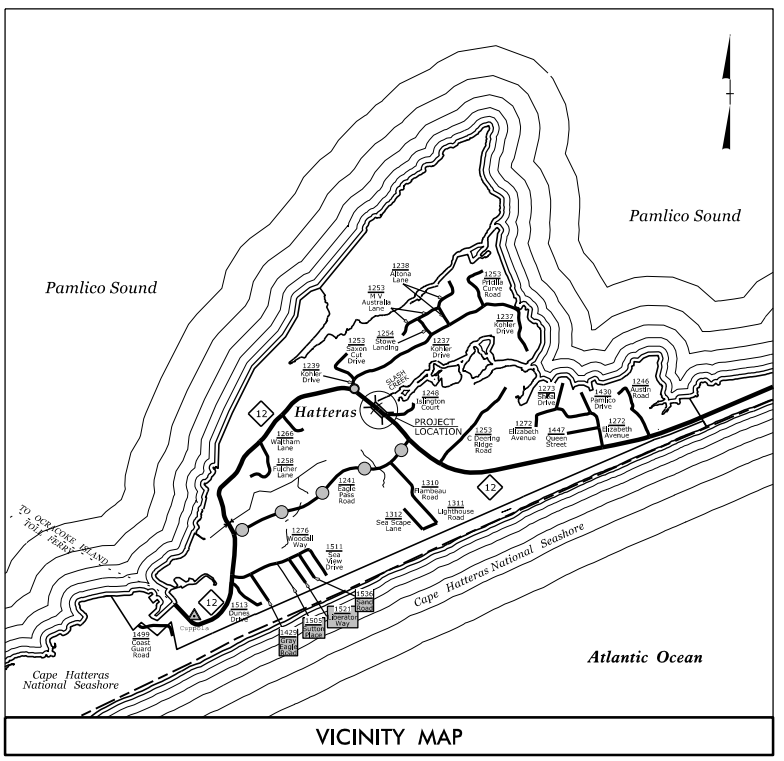
Wilmington District

127 Cardinal Drive Ext. Wilmington, NC 28405-3845
910-796-7215
Fax: 910-395-3964
(Serves: Brunswick, New Hanover and Pender Counties)

		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		Address:		Sungate Design Group, P.A. 905 Jones Franklin Road Raleigh, NC 27606	
Phone:		919-707-6531		Phone:		919-859-2243	
Email:		kalford@ncdot.gov		Email:		jdalton@sungatedesign.com	
City/Town:		Hatteras		County(ies):		Dare	
River Basin(s):		Pasquotank		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	
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 Slash Creek, and replacing it with a 1@45' and 1@50' 21" Cored Slab 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):		Slash Creek		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: N/A	
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)							

05/08/99

TIP PROJECT: B-5610



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

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
DARE COUNTY

Submitted 2/28/2023

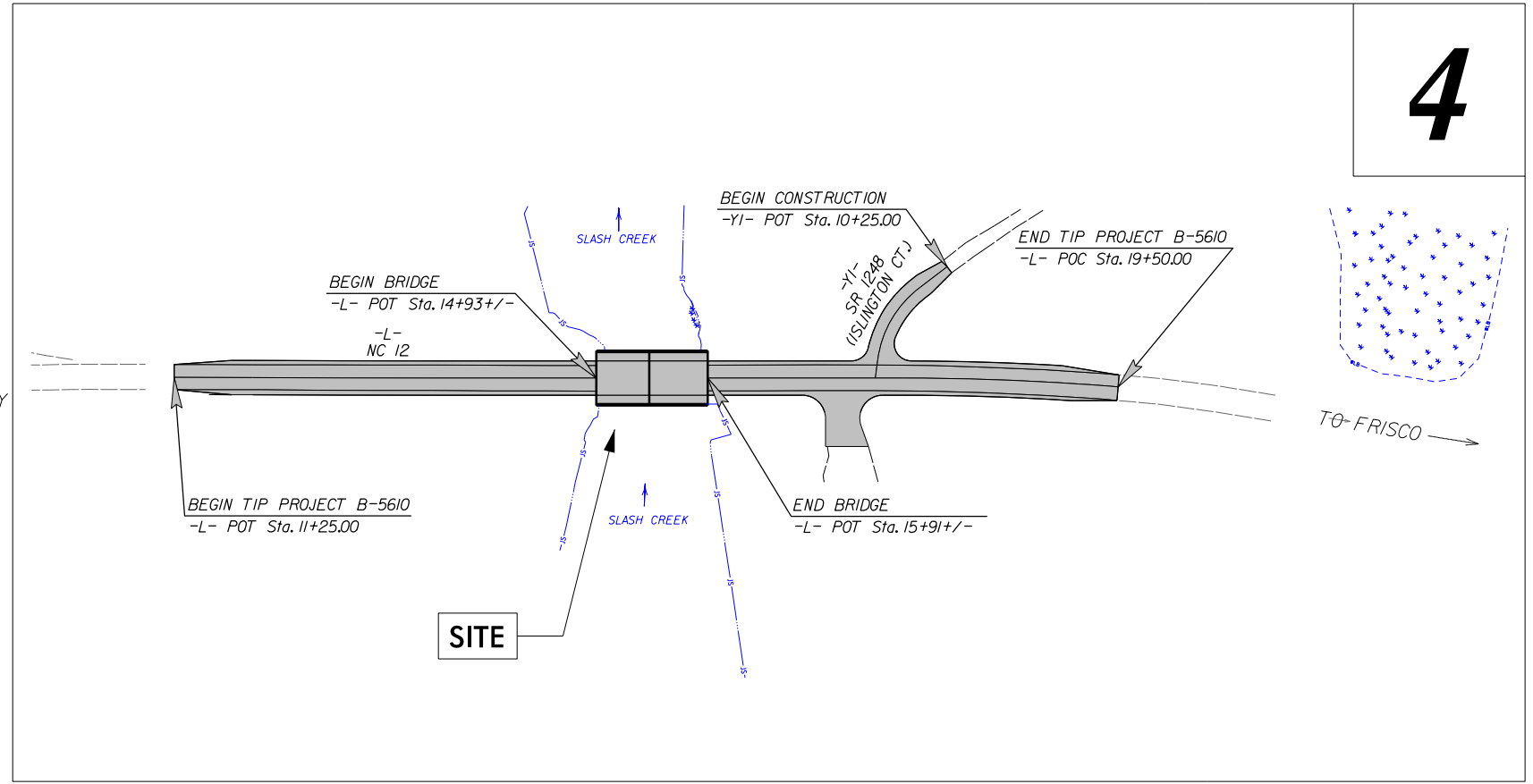
LOCATION: BRIDGE No. 8 OVER THE SLASH ON NC 12

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: 1-20-23

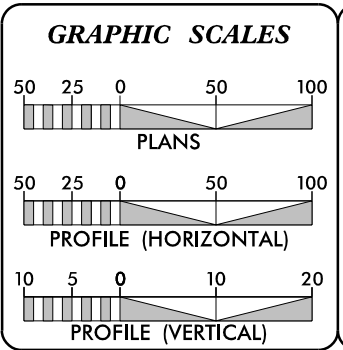


4

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

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

CONTRACT:



DESIGN DATA
2023 ADT = 4,496 VPD
2043 ADT = 5,912 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	= 0.137 mi.
LENGTH STRUCTURES TIP PROJECT B-5610	= 0.019 mi.
TOTAL LENGTH TIP PROJECT B-5610	= 0.156 mi.

Prepared in the Offices of:

STEWART
223 S. WEST ST., STE 1100
RALEIGH, NC 27603
TEL: 919.380.4560
FAX: 919.380.4560
P.E. License #1: C-1051
www.stewartinc.com

SUNGATE DESIGN GROUP, P.A.
600 JONES FARM ROAD
RALEIGH, NORTH CAROLINA 27606
TEL: 919.380.4560
FAX: 919.380.4560
ENG. FIRM LICENSE NO. C-4890

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
AUGUST 19, 2021

LETTING DATE:
OCTOBER 17, 2023

ANDY YOUNG, PE
PROJECT ENGINEER

MICHAEL BURNS, PE
PROJECT DESIGN ENGINEER

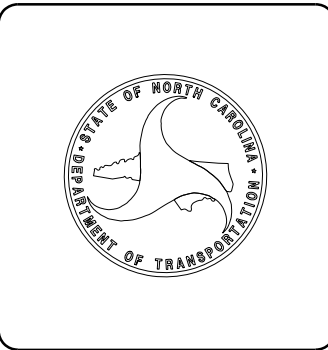
KRISTY ALFORD, PE
NCDOT CONTACT

HYDRAULICS ENGINEER

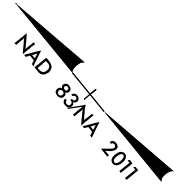
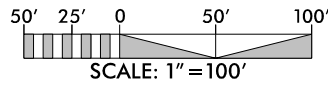
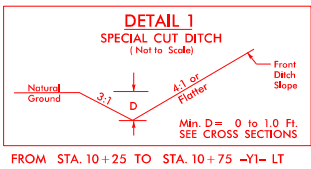
SIGNATURE: _____ P.E.

ROADWAY DESIGN ENGINEER

SIGNATURE: _____ P.E.



Submitted 2/28/2023



DENOTES IMPACTS IN SURFACE WATER

DENOTES TEMPORARY IMPACTS IN SURFACE WATER

PROJECT REFERENCE NO.
B-5610

ROADWAY DESIGN ENGINEER

SHEET NO.
4

HYDRAULICS ENGINEER

STEWART

Firm License No. C-15123
223 S. West St.
Suite 1100
Raleigh, NC 27601
P: 919.386.3190
www.stewartinc.com

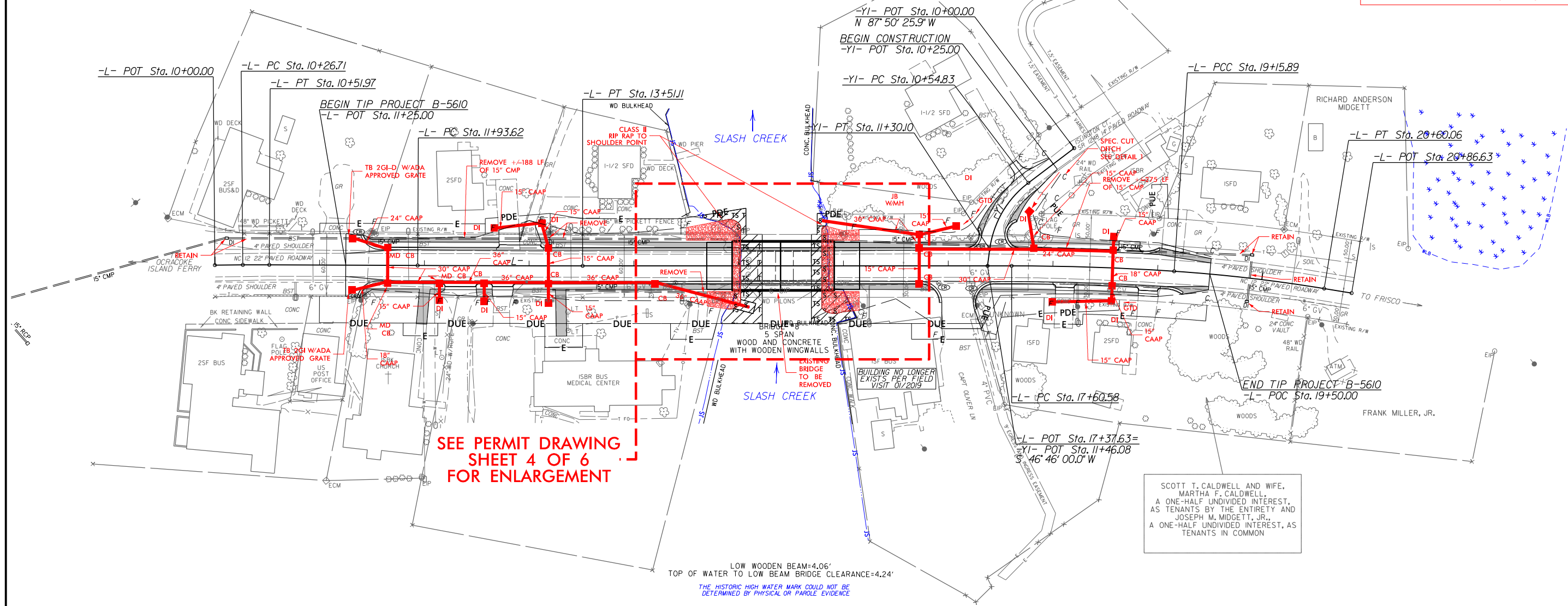
SUNGATE DESIGN GROUP, P.A.

INC. CHIEF ENGINEER
SUNGATE DESIGN GROUP, P.A.
2000 S. WILSON ROAD
SUITE 100
Raleigh, NC 27604
P: 919.386.3190

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

**PERMIT DRAWING
SHEET 2 OF 6**

DATE: 1-20-23



1 DROVER LLC DB 1992 PG 95 PC B SLIDE 348	2A 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	9 JEFFREY LYNN ODEN DB 1904 PG 111 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 PALMATIER, LLC DB 2600 PG 903	8 SEE PROPERTY OWNER INFO (THIS SHEET)	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 173	11 RICHARD ANDERSON MIDGETT DB 2545 PG 879

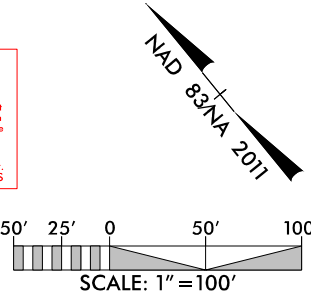
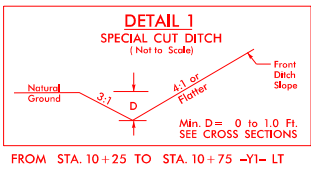
	ASPHALT SHOULDER
	CONCRETE SIDEWALK
	PAVEMENT REMOVAL

FOR -L- PROFILE, SEE SHEET 5

FOR -YI- PROFILE, SEE SHEET 5

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

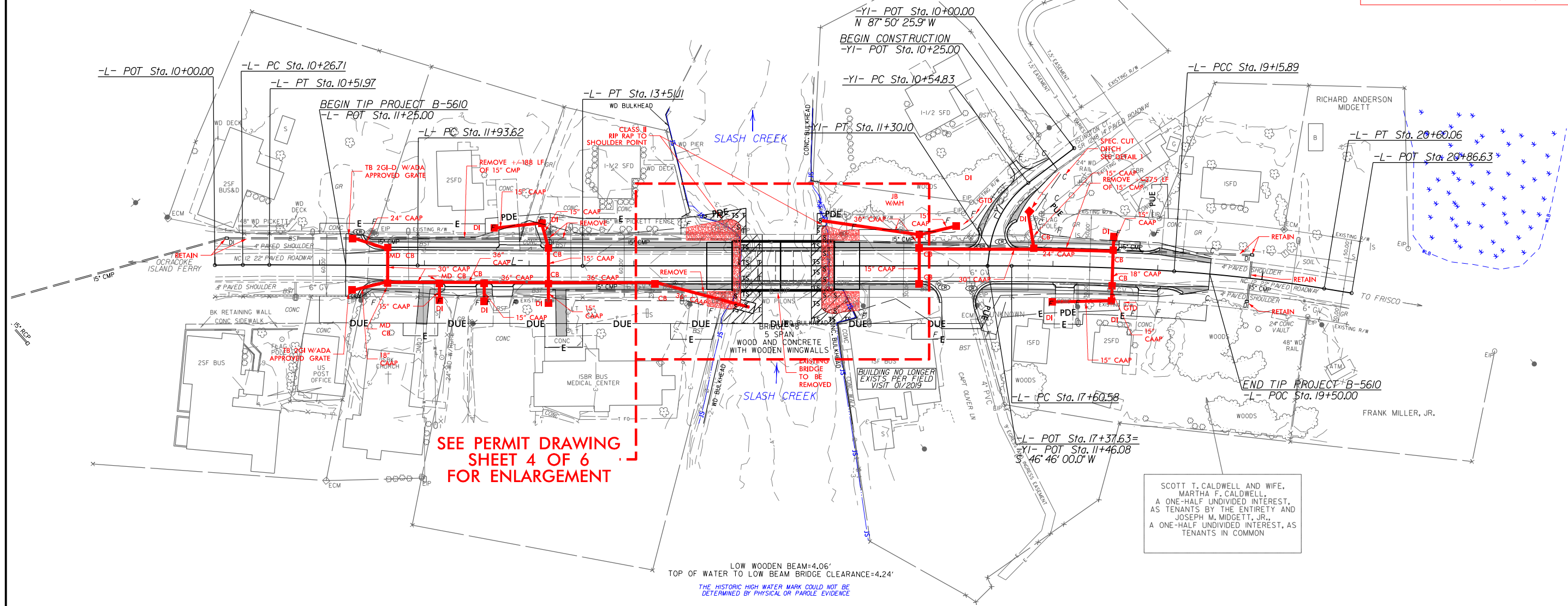
Submitted 2/28/2023



DENOTES IMPACTS IN SURFACE WATER

DENOTES TEMPORARY IMPACTS IN SURFACE WATER

PROJECT REFERENCE NO. B-5610		SHEET NO. 4	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION			
STEWART		SUNGATE DESIGN GROUP, P.A.	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
PERMIT DRAWING SHEET 3 OF 6			
DATE: 1-20-23			



1 DROVER LLC DB 1992 PG 95 PC B SLIDE 348	2A 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	9 JEFFREY LYNN ODEN DB 1904 PG 111 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 PALMATIER, LLC DB 2600 PG 903	8 SEE PROPERTY OWNER INFO (THIS SHEET)	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 173	11 RICHARD ANDERSON MIDGETT DB 2545 PG 879

	ASPHALT SHOULDER
	CONCRETE SIDEWALK
	PAVEMENT REMOVAL

FOR -L- PROFILE, SEE SHEET 5

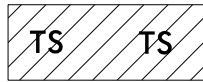
FOR -YI- PROFILE, SEE SHEET 5

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

8/17/99

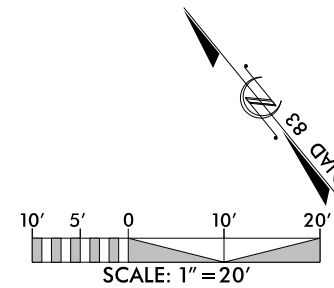


DENOTES IMPACTS IN
SURFACE WATER



DENOTES TEMPORARY
IMPACTS IN SURFACE WATER

Submitted 2/28/2023

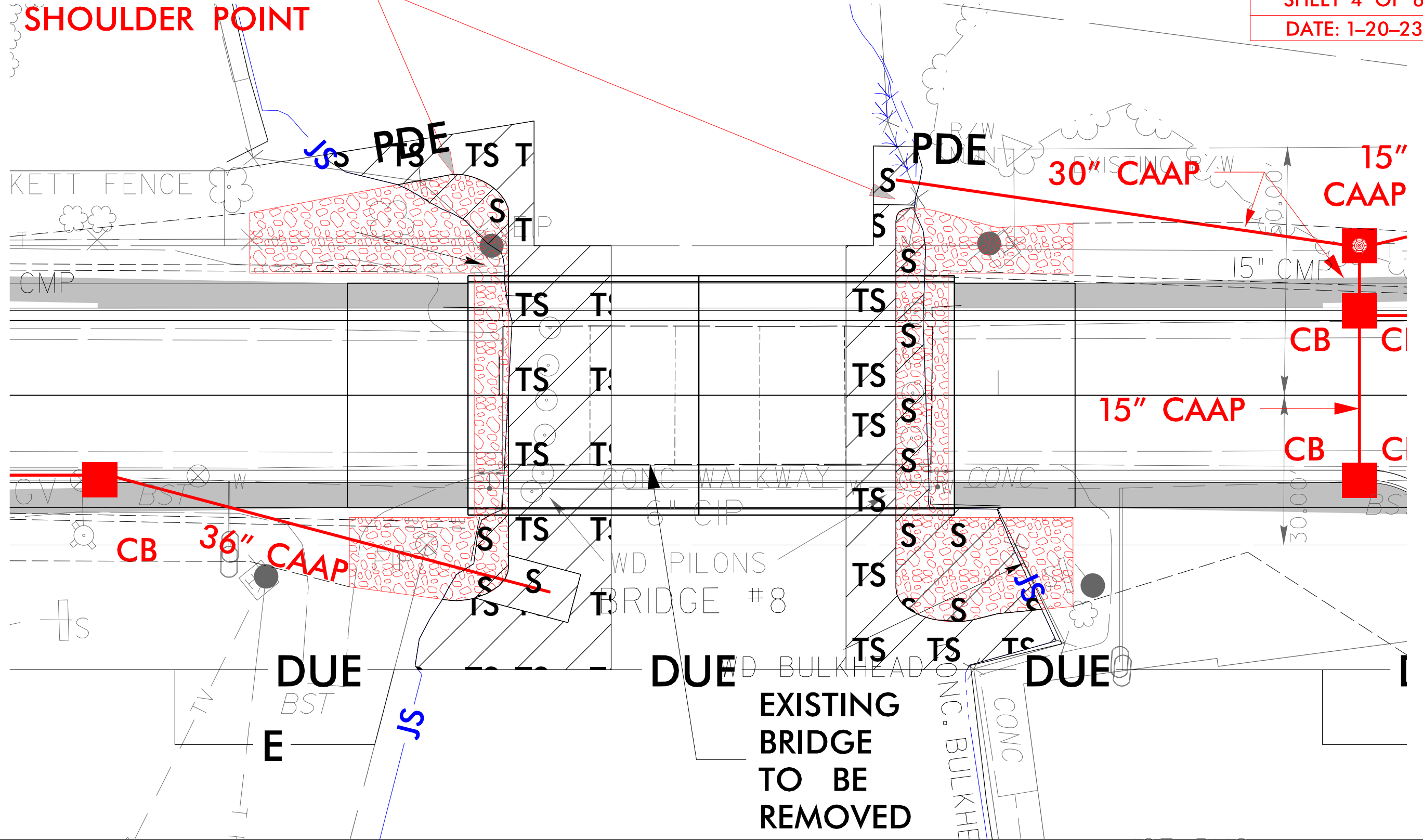


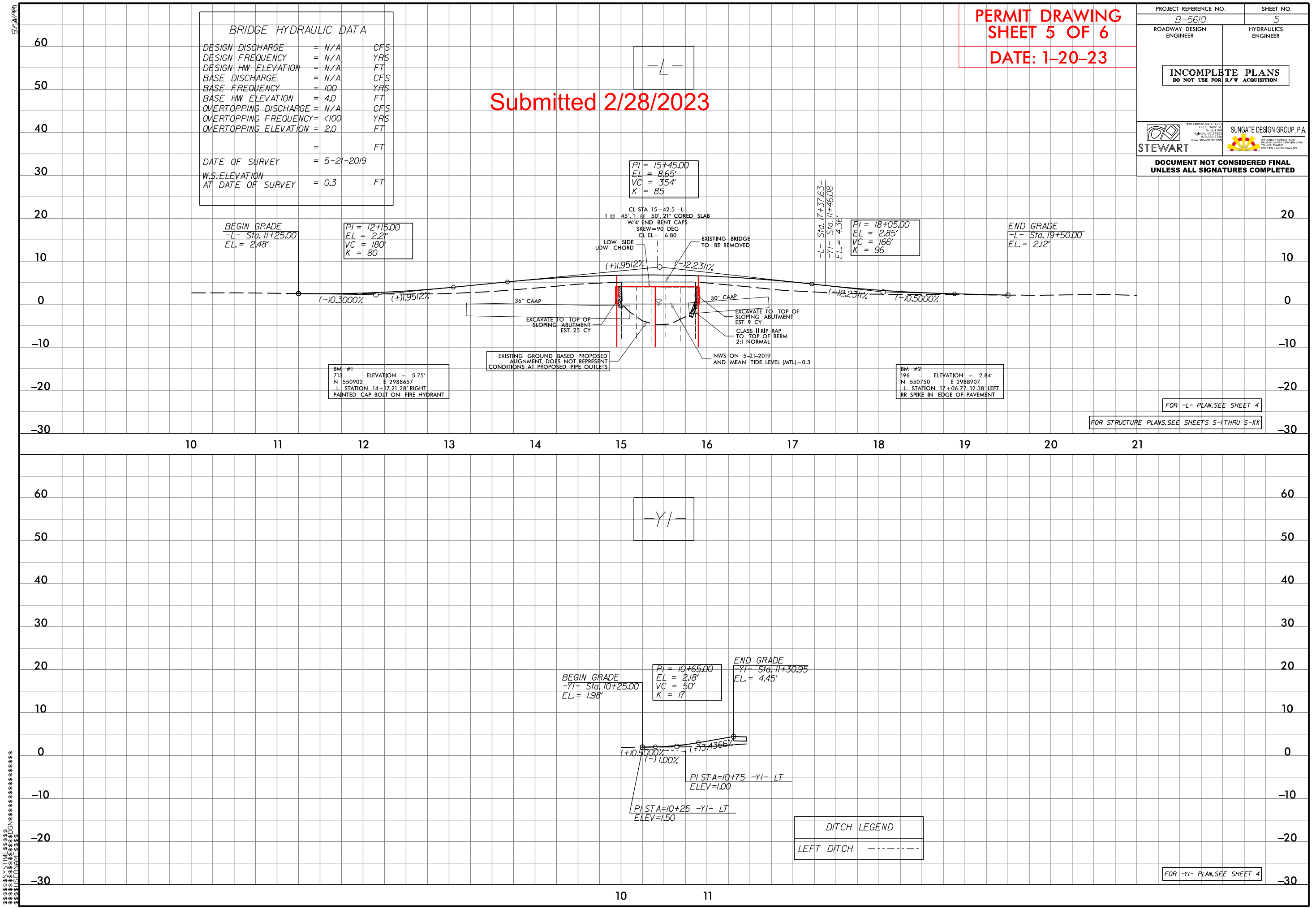
PROJECT REFERENCE NO.	SHEET NO.
B-5610	ENLARGEMENT
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

PERMIT DRAWING
SHEET 4 OF 6
DATE: 1-20-23



CLASS II
RIP RAP TO
SHOULDER POINT

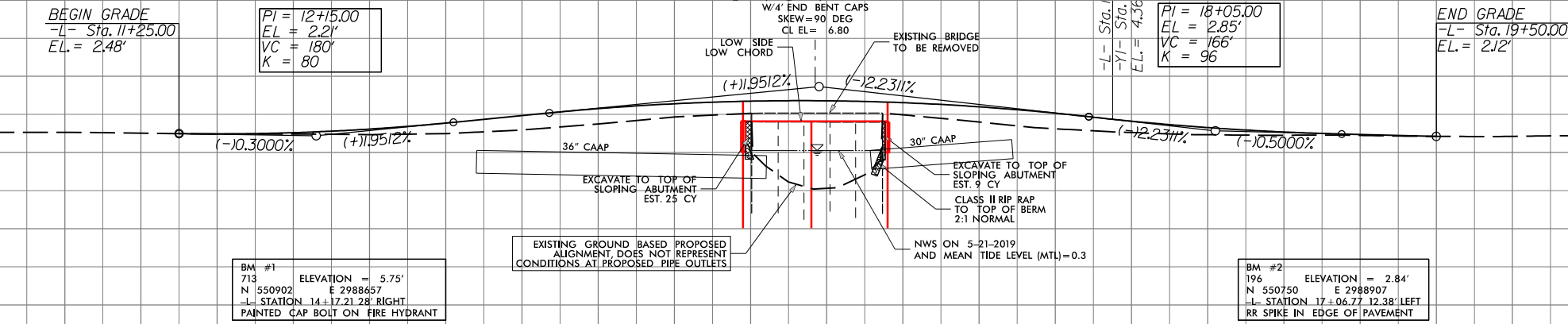




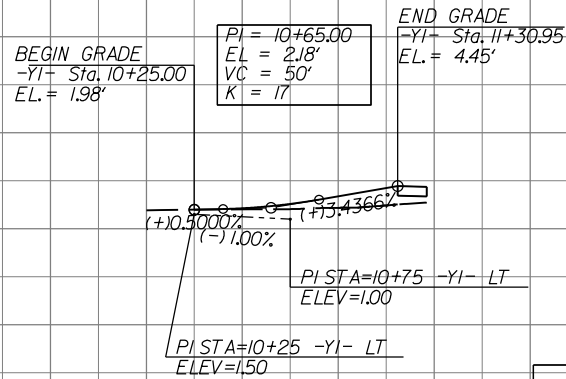
BRIDGE HYDRAULIC DATA			
DESIGN DISCHARGE	=	N/A	CFS
DESIGN FREQUENCY	=	N/A	YRS
DESIGN HW ELEVATION	=	N/A	FT
BASE DISCHARGE	=	N/A	CFS
BASE FREQUENCY	=	100	YRS
BASE HW ELEVATION	=	4.0	FT
OVERTOPPING DISCHARGE	=	N/A	CFS
OVERTOPPING FREQUENCY	=	<100	YRS
OVERTOPPING ELEVATION	=	2.0	FT
DATE OF SURVEY	=	5-21-2019	
W.S.ELEVATION AT DATE OF SURVEY	=	0.3	FT

PERMIT DRAWING
SHEET 5 OF 6
DATE: 1-20-23

PROJECT REFERENCE NO.		SHEET NO.	
B-5610		5	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
<div>INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION</div>			
 STEWART		<div>SUNGATE DESIGN GROUP, P.A.  MR. JAMES STEWART, P.E. SUNGATE DESIGN GROUP, P.A. 1000 W. 10TH ST. SUITE 100 DENVER, CO 80202</div>	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			



FOR -L- PLAN, SEE SHEET 4
FOR STRUCTURE PLANS, SEE SHEETS S-1 THRU S-XX



DITCH LEGEND	
LEFT DITCH	-----

FOR -YI- PLAN, SEE SHEET 4

Submitted 2/28/2023

[illegible]

*Rounded totals are sum of actual impacts

NOTES:

Interior bent= 32sqft.

NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
01-19-2023
DARE COUNTY
B-5610
45565 1 1

Submitted 3/11/2022

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

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

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

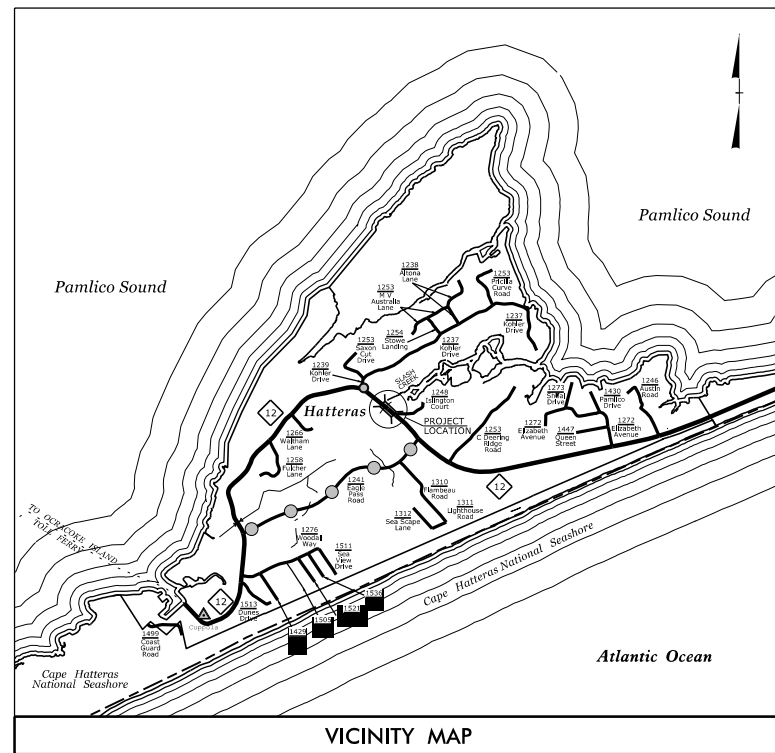
PERMIT DRAWING
SHEET 1 OF 6

DATE: 01-06-22

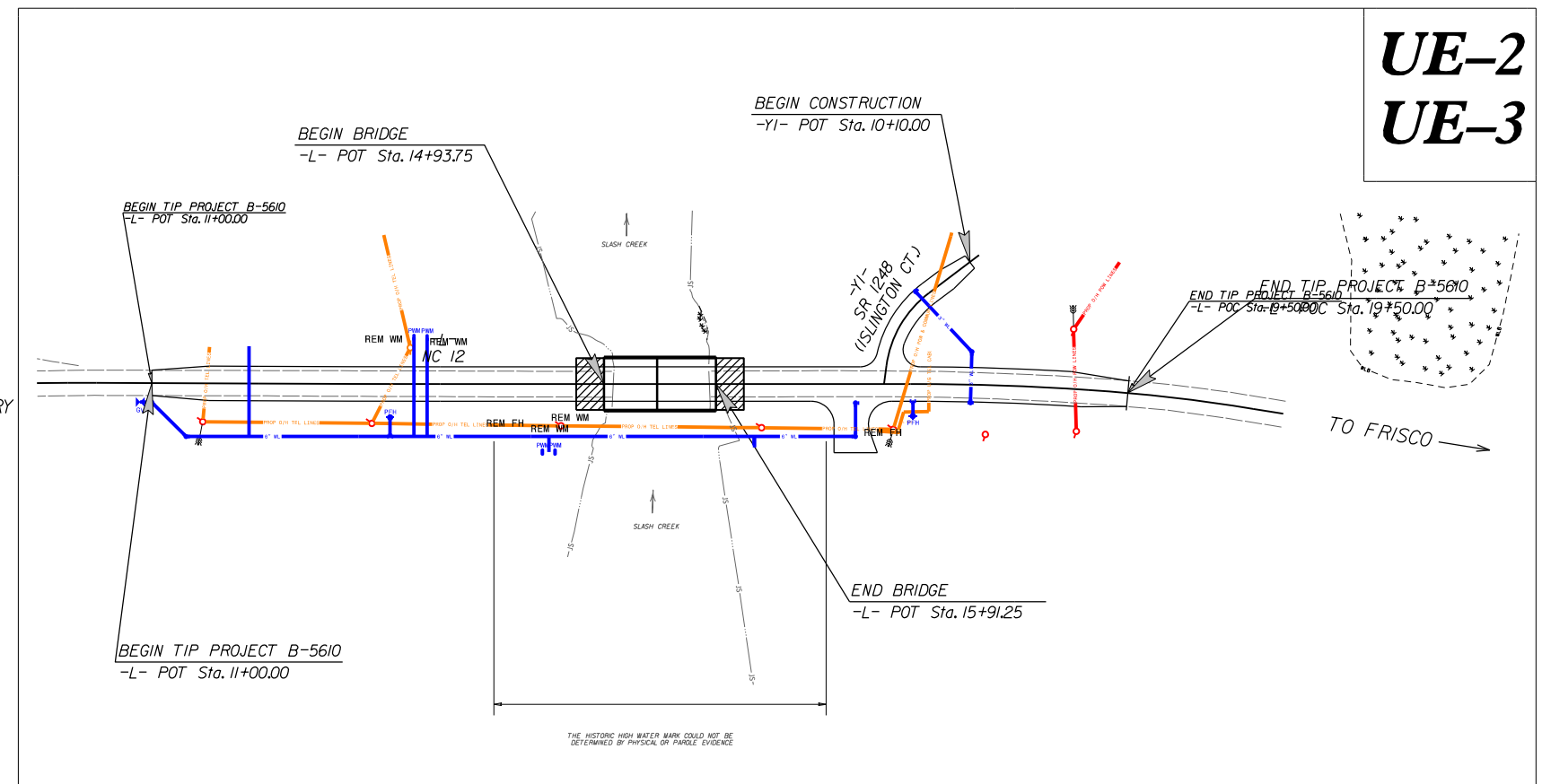
UTILITIES ENVIRONMENTAL PERMIT PLANS
DARE COUNTY

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

TYPE OF WORK: TELECOMMUNICATIONS AND
POWER RELOCATION



VICINITY MAP

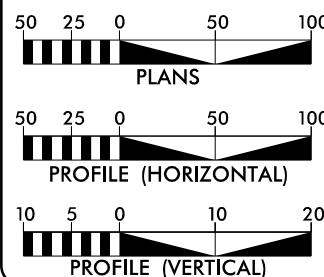


UE-2
UE-3

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

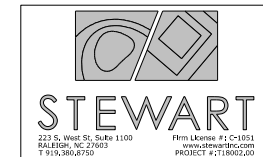


SHEET NO.	DESCRIPTION
UE-1	TITLE SHEET
UE-2 - UE-3	UTILITY PLAN SHEETS
UE-4 - UE-5	UTILITY PROFILE SHEETS

UTILITY OWNERS ON PROJECT

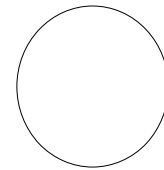
- (A) LUMEN - TELECOMMUNICATIONS
(B) CHARTER - TELECOMMUNICATIONS
(C) CAPE HATTERAS ELECTRIC - POWER

PREPARED IN THE OFFICE OF:



MICHAEL BURNS, PE PROJECT ENGINEER
JOSHUA ROEMER PROJECT DESIGN ENGINEER

SEAL



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

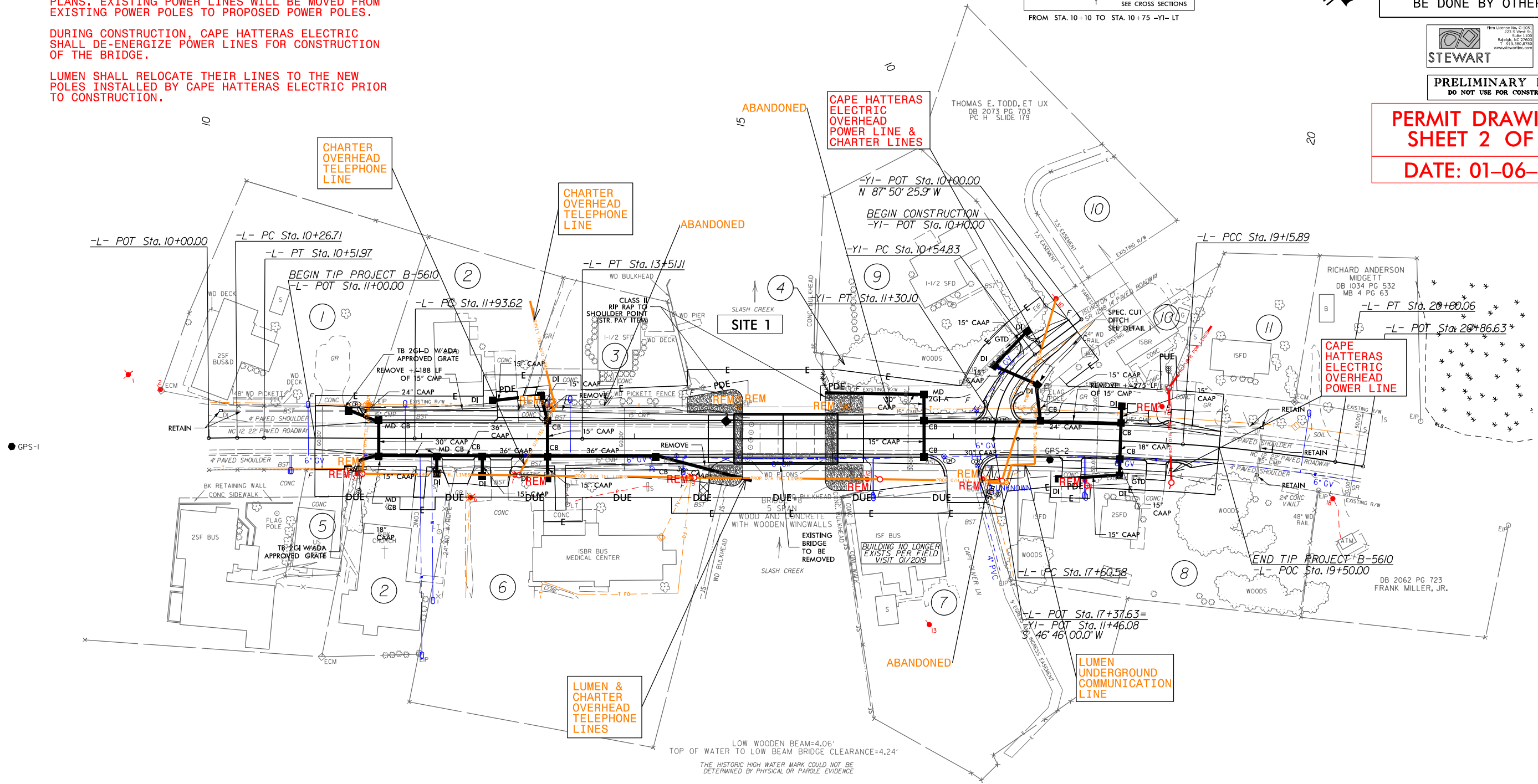
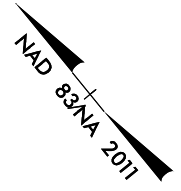
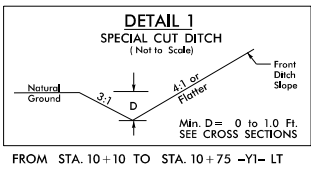
DATE: 01-06-22

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.



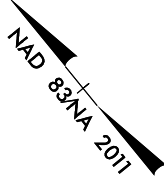
1	2	2	3	4	5
DROVER LLC DB 1992 PG 95 PC B SLIDE 348	HATTERAS UNITED METHODIST CHURCH DB 139 PG 506	HATTERAS UNITED METHODIST CHURCH DB 1617 PG 299 DB 8 PG 278 DB A PG 480 DB B PG 420	DARREL ALLEN DANIELS, ET UX DB 1670 PG 104 MB 2 PG 225	JEFFREY LYNN ODEN DB 1904 PG 311 PB 338 PG 569	HATTERAS VILLAGE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

NOTE:
PRIOR TO COMMENCING ANY WORK ON ANY
TRENCHLESS INSTALLATION ON THIS
PROJECT, PROVIDE A DESIGN FOR THE
TRENCHLESS INSTALLATION CERTIFIED BY AN
ENGINEER LICENSED BY THE STATE OF NORTH
CAROLINA, AS REQUIRED BY SUBARTICLE
1550-3(B) OF THE STANDARD
SPECIFICATIONS.

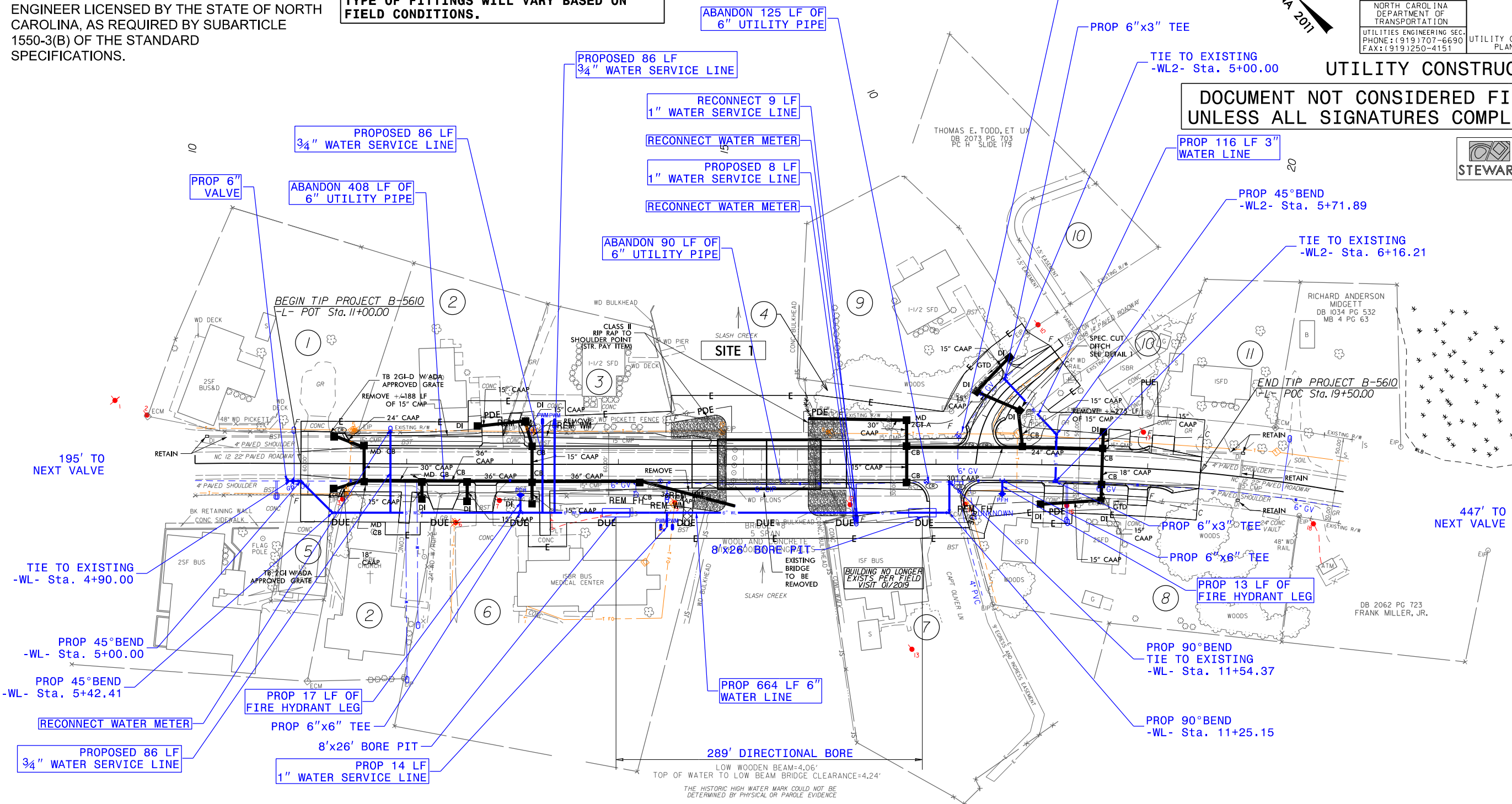
NOTE:
THE ESTIMATED QUANTITY OF DUCTILE IRON
WATER PIPE FITTINGS ON THIS PLAN SHEET
IS 1420 POUNDS. THE ACTUAL QUANTITY AND
TYPE OF FITTINGS WILL VARY BASED ON
FIELD CONDITIONS.

PERMIT DRAWING
SHEET 3 OF 6
DATE: 01-06-22

PROJECT REFERENCE NO.	SHEET NO.
B-5610	UE-3
DESIGNED BY: JQR	NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DRAWN BY: JQR	
CHECKED BY:	
APPROVED BY:	
REVISED:	UTILITY CONSTRUCTION PLANS ONLY
UTILITIES ENGINEERING SEC.	
PHONE: (919) 707-6690	
FAX: (919) 250-4151	



UTILITY CONSTRUCTION
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



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 954 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

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

UTILITIES BY OTHERS

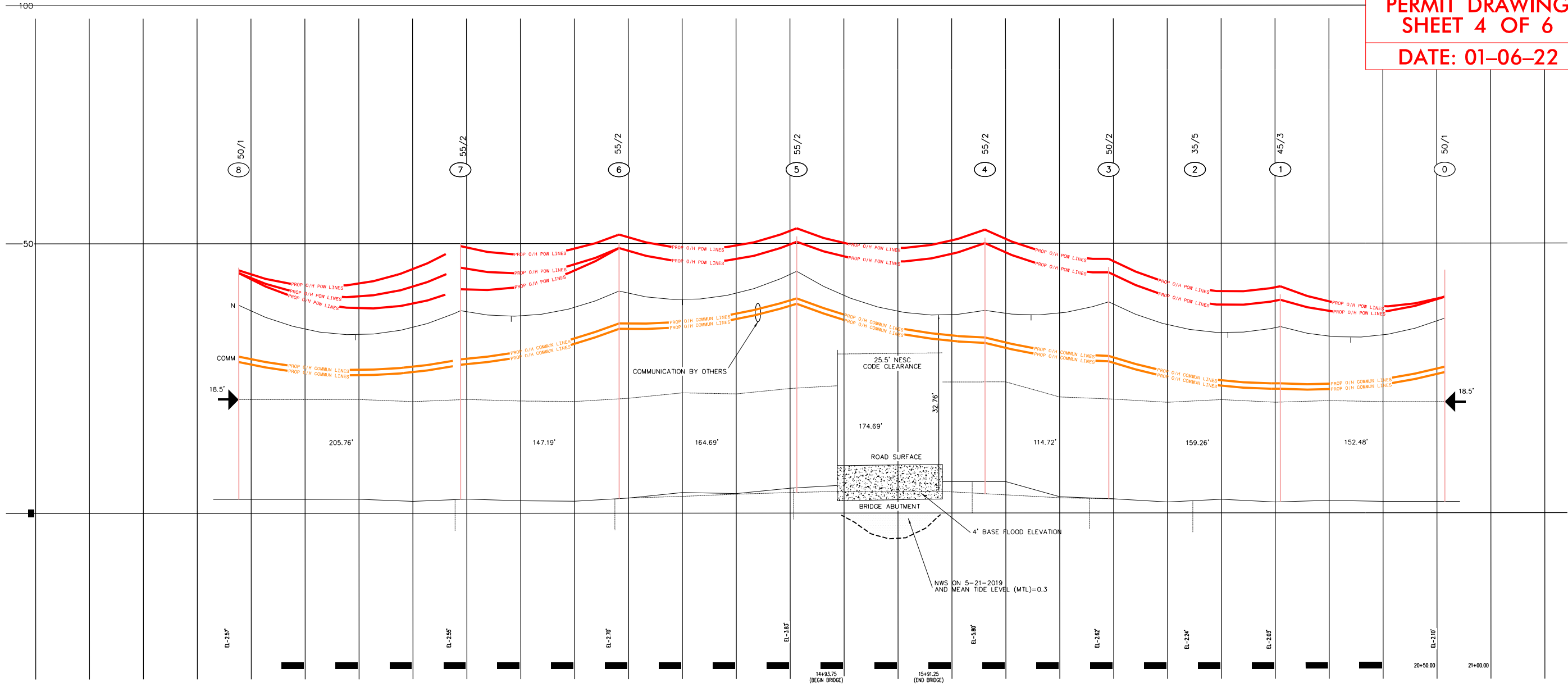
NOTE:
ALL PROPOSED UTILITY WORK
SHOWN ON THIS SHEET WILL
BE DONE BY OTHERS



PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

PERMIT DRAWING
SHEET 4 OF 6

DATE: 01-06-22

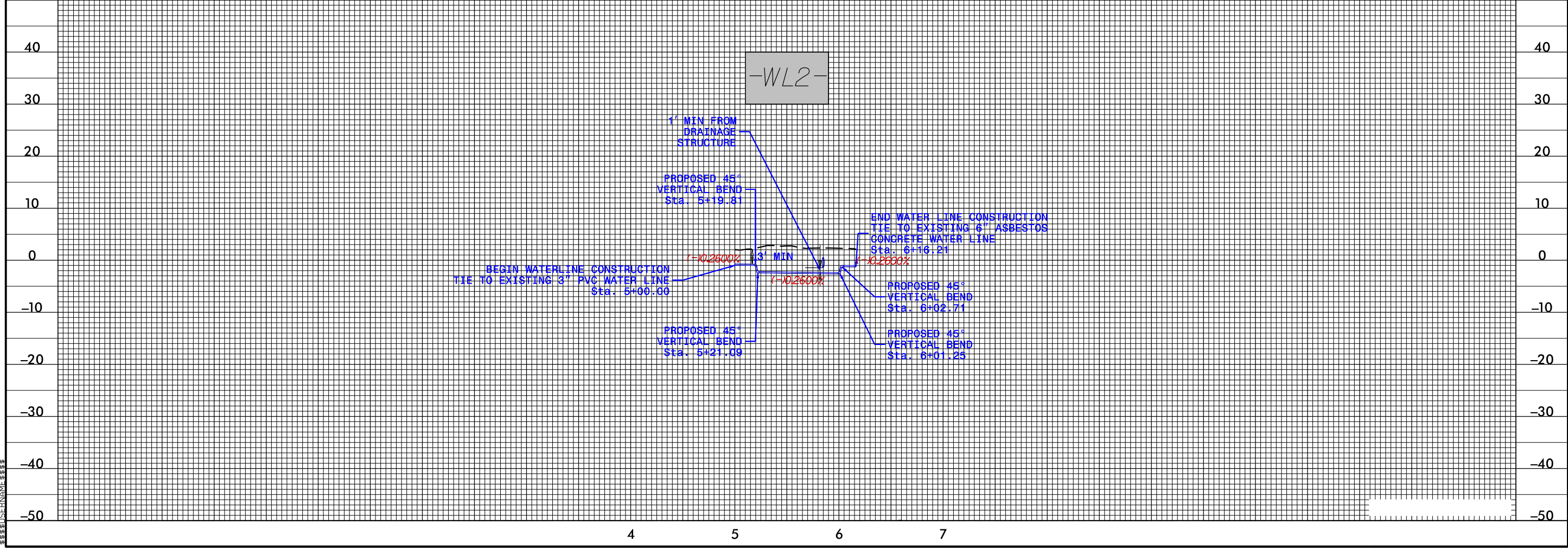
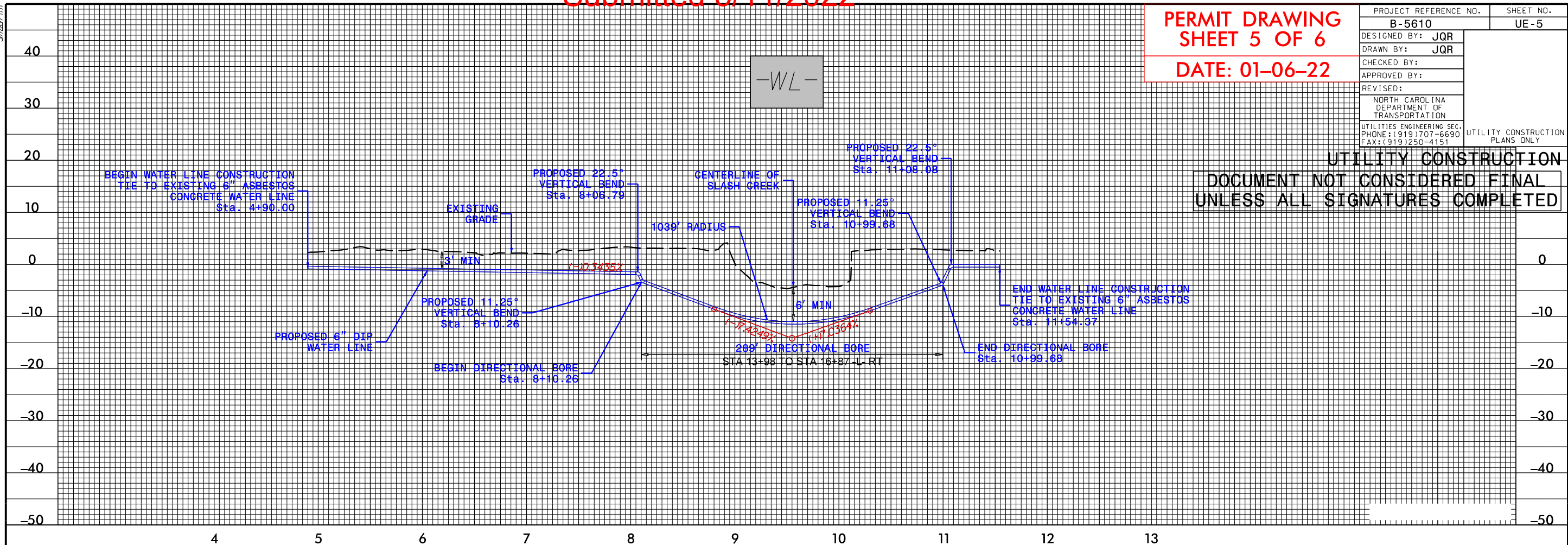


PERMIT DRAWING
SHEET 5 OF 6
DATE: 01-06-22

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]

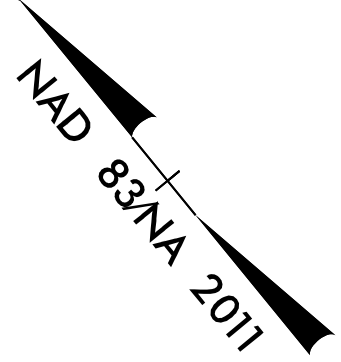
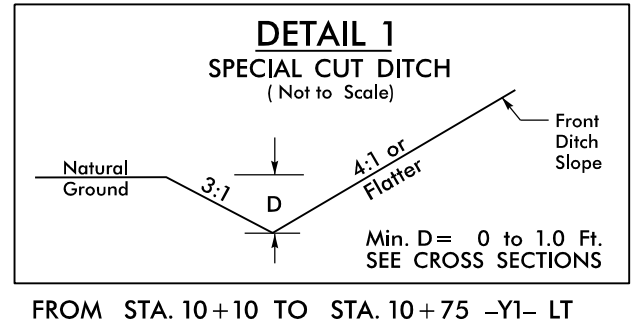
*Rounded totals are sum of actual impacts



NOTES:

NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
1-6-22
DARE COUNTY
B-5610
45565.1.1

8/17/99

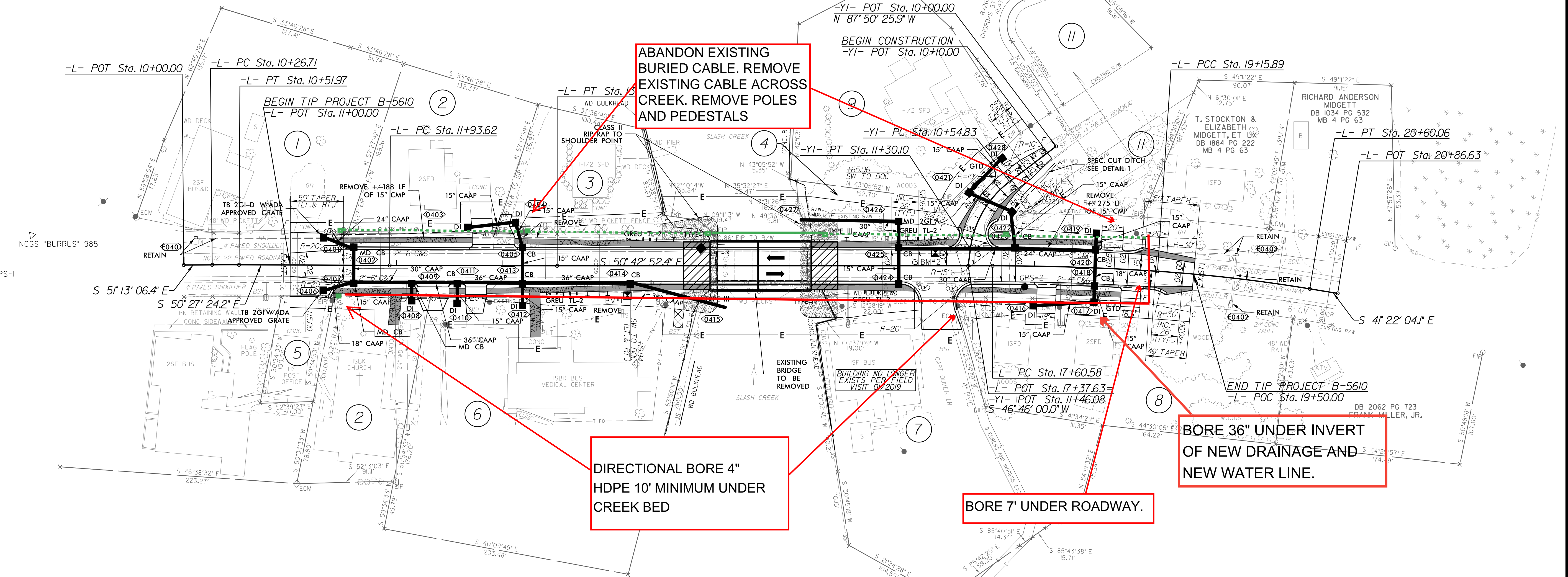
-L-		-YI-	
PI Sta 10+39.34 Δ = 0° 45' 42.2" (RT) D = 3° 00' 56.0" L = 25.26' T = 12.63' R = 1,900.00' S _e = Exist.	PI Sta 12+72.36 Δ = 0° 15' 28.2" (LT) D = 0° 09' 49.3" L = 157.50' T = 78.75' R = 35,000.00' S _e = NC	PI Sta 18+38.26 Δ = 3° 48' 10.4" (RT) D = 2° 26' 54.7" L = 155.31' T = 77.68' R = 2,340.00' S _e = 2.5% Runoff = 65'	PI Sta 19+88.03 Δ = 5° 32' 37.9" (RT) D = 3° 50' 43.3" L = 144.17' T = 72.14' R = 1,490.00' S _e = 3% Runoff = 78'
		PI Sta 10+94.57 Δ = 45° 23' 34.1" (LT) D = 60° 18' 40.8" L = 75.26' T = 39.73' R = 95.00' S _e = 3.5% Runoff = 48.125'	



PROJECT REFERENCE NO.		SHEET NO.
B-5610		4
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER	
<div style="border: 1px solid black; padding: 10px; text-align: center;">INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION</div>		
 STEWART	 SUNGATE DESIGN GROUP, P.A. 101 JONES FARM ROAD 1000 BIRMINGHAM, ALABAMA 35208 205.918.0043 205.918.0044 205.918.0045 FAX 205.918.0046 FAX 205.918.0047 FAX 205.918.0048 FAX 205.918.0049 FAX 205.918.0050 FAX 205.918.0051 FAX 205.918.0052 FAX 205.918.0053 FAX 205.918.0054 FAX 205.918.0055 FAX 205.918.0056 FAX 205.918.0057 FAX 205.918.0058 FAX 205.918.0059 FAX 205.918.0060 FAX 205.918.0061 FAX 205.918.0062 FAX 205.918.0063 FAX 205.918.0064 FAX 205.918.0065 FAX 205.918.0066 FAX 205.918.0067 FAX 205.918.0068 FAX 205.918.0069 FAX 205.918.0070 FAX 205.918.0071 FAX 205.918.0072 FAX 205.918.0073 FAX 205.918.0074 FAX 205.918.0075 FAX 205.918.0076 FAX 205.918.0077 FAX 205.918.0078 FAX 205.918.0079 FAX 205.918.0080 FAX 205.918.0081 FAX 205.918.0082 FAX 205.918.0083 FAX 205.918.0084 FAX 205.918.0085 FAX 205.918.0086 FAX 205.918.0087 FAX 205.918.0088 FAX 205.918.0089 FAX 205.918.0090 FAX 205.918.0091 FAX 205.918.0092 FAX 205.918.0093 FAX 205.918.0094 FAX 205.918.0095 FAX 205.918.0096 FAX 205.918.0097 FAX 205.918.0098 FAX 205.918.0099 FAX 205.918.0100 FAX	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		

CENTURYLINK RELOCATION PLAN

REVISION 3



THE HISTORIC HIGH WATER MARK COULD NOT BE DETERMINED BY PHYSICAL OR PAROLE EVIDENCE

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 1658 PG 70 PB 338 PG 569	10 THOMAS E. TODD, ET UX DB 2013 PG 703 PC H SLIDE 179	11 CHRISTY D. KELLUM DB 1957 PG 308 PC H SLIDE 179

FOR -L- PROFILE, SEE SHEET 5

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

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USER:robins

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REVISIONS

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