



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

J.R. "JOEY" HOPKINS
SECRETARY

April 25, 2024

MEMORANDUM TO: Division Environmental and Construction Units

FROM: *MAT* Michael A. Turchy, ECAP Group Leader
Environmental Analysis Unit

SUBJECT: Environmental Permits for the Replacement of Bridge 75 on NC 33 over Chocowinity Creek in Beaufort County, Division 3, **TIP: BR-0005.**

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 Coastal Area Management Act	CAMA Major Development Permit	NA

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) or accompanying drawings 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

TIP Project No. BR-0005
Replace Bridge No. 75 over Chocowinity Creek on NC 33
Beaufort County
Federal Aid Project No. N/A
WBS Element 67005.1.1

COMMITMENTS FROM PROJECT DEVELOPMENT AND DESIGN

Division 2 Construction

Construction, Lane Reductions and Closures

NCDOT will contact the Beaufort County Emergency Management Service (EMS) at 252-940-6519 at least one month before the start of construction to allow first responders to prepare for the anticipated project.

NCDOT will contact the Beaufort County Schools Transportation Director at 252-946-6209 at least one month before the start of construction to allow officials to prepare for the anticipated project.

NCDOT will contact the local officials above at least one week prior to lane reduction and/or roadway closure to allow them to prepare for the anticipated changes.

Anadromous Fish Moratorium

This project has been identified by the NCWRC as anadromous fish habitat. As a result, an in-water construction moratorium is recommended from February 15 to June 30. Stream Crossing Guidelines for Anadromous Fish passage will be implemented in the design and construction of this project.

Hydraulics Unit

The NCDOT Hydraulics Unit will coordinate with the Federal Emergency Management Agency (FEMA) to determine if a Conditional Letter of Map Revision (CLOMR) and a subsequent final Letter of Map revision (LOMR) are required for this project. If required, the NCDOT Structures Management Unit and Division 2 Construction will submit sealed As-Built construction plans to the Hydraulics Unit upon project completion certifying that the project was built as shown on the construction plans.

GeoEnvironmental Section

An existing Shell Station (Parcel 13) at the intersection of NC 33 and SR 1114 (Old Blounts Creek Road) has underground storage tanks in use and will be impacted by the proposed project. A detailed investigation of the property to assess potential impact of contaminated soil or groundwater from the active station will be performed by the NCDOT GeoEnvironmental Section after right of way plans are complete on the project.

COMMITMENTS FROM PERMITTING

Division Construction

404 condition 5: 401 condition 5

In-water Work Moratorium: To avoid adverse impacts to spawning populations of fish species at this project site, no in-water work shall be conducted between February 15 and June 30 at Chocowinity Creek and its associated perennial tributaries. For the purpose of this moratorium, “in water” is defined as those waters within Chocowinity Creek, and its associated perennial tributaries, and its abutting wetlands that have an active connection to these tributaries during periods of inundation.

Roadside Environmental, Environmental Analysis Unit – Monitoring and Stewardship

401 condition 4

Due to the possibility that compaction and/ or other site alterations might prevent the temporary wetland impact areas from re -attaining jurisdictional wetland status; the permittee shall provide an update on the wetland areas temporarily impacted at Sites 2 and 4. This update shall be conducted two growing seasons after completion of the work and shall consist of photographs and a brief report on the progress of the areas in re -attaining wetland jurisdictional status. Upon submission of this update to the NCDWR, the permittee shall schedule an agency field meeting with the NCDWR to determine if the wetland areas temporarily impacted by this project have re -attained jurisdictional wetland status. If the wetland areas temporarily impacted by this project have not re -attained jurisdictional wetland status, the NCDWR shall determine if compensatory wetland mitigation is to be required. [15A NCAC 02H .0506(b); 15A NCAC 02H .0507(c)].

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

Action Id. **SAW-2019-01575** County: **Beaufort County** U.S.G.S. Quad: **Washington**

GENERAL PERMIT (REGIONAL AND NATIONWIDE) VERIFICATION

Permittee: **Jason Dilday**
NCDOT, Central
Address: **1598 Mail Service Center**
Raleigh NC, 27699
Telephone Number: **919-707-6151**

Size (acres) **10 acres** Nearest Town: **Chocowinity**
Nearest Waterway **Chocowinity Creek** River Basin **Pamlico**
USGS HUC **03020104** Coordinates Latitude: **35.501663**; Longitude: **-77.080512**
Location description: **Bridge 75 over Chocowinity Creek on NC33 near Chocowinity, North Carolina.**

Description of projects area and activity: **Applicant proposes to replace structurally deficient and functionally obsolete bridge on existing location utilizing an on-site detour. This verification authorizes 0.308 acres of permanent wetland impact, 0.422 acres of temporary wetland impacts, 23 In ft of permanent stream impacts and 44 In ft of temporary stream impacts. #**

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: **GP 50 - NCDOT - Bridge, Road Widening and Interchanges**

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 November 17, 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 Morehead City, NC, at (252) 808-2808.

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 **Thomas Steffens at (910) 251-4615 or Thomas.A.Steffens@usace.army.mil.**

Corps Regulatory Official: *Monte Matthews*  2024.01.11 15:59:33 -05'00' Date: **January 11, 2024**
Expiration Date of Verification: **May 25, 2025**

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/>

Copy furnished:

U.S. ARMY CORPS OF ENGINEERS
WILMINGTON DISTRICT

Action Id. SAW-2019-01575

County: Beaufort County

NOTIFICATION OF JURISDICTIONAL DETERMINATION

Property Owner/Applicant: Jason Dilday

NCDOT, Central

Address: 1598 Mail Service Center

Raleigh NC, 27699

Telephone Number: **

Size (acres) 10

Nearest Town Chocowinity

Nearest Waterway Chocowinity Crk

River Basin Pamlico

USGS HUC 03020104 Coordinates Latitude: 35.501663; Longitude: -77.080363

Location description: Bridge 75 on NC 33 over Chocowinity Creek near Chocowinity, North Carolina.

Indicate Which of the Following Apply:

A. Preliminary Determination

X There appear to be waters, including wetlands, on the above described property, that may be subject to Section 404 of the Clean Water Act (CWA)(33 USC § 1344) and/or Section 10 of the Rivers and Harbors Act (RHA) (33 USC § 403). The waters, including wetlands, have been delineated, and the delineation has been verified by the Corps to be sufficiently accurate and reliable. Therefore this preliminary jurisdiction determination may be used in the permit evaluation process, including determining compensatory mitigation. For purposes of computation of impacts, compensatory mitigation requirements, and other resource protection measures, a permit decision made on the basis of a preliminary JD will treat all waters and wetlands that would be affected in any way by the permitted activity on the site as if they are jurisdictional waters of the U.S. This preliminary determination is not an appealable action under the Regulatory Program Administrative Appeal Process (Reference 33 CFR Part 331). However, you may request an approved JD, which is an appealable action, by contacting the Corps district for further instruction.

- There appear to be waters, including wetlands, on the above described property, that may be subject to Section 404 of the Clean Water Act (CWA)(33 USC § 1344) and/or Section 10 of the Rivers and Harbors Act (RHA) (33 USC § 403). The waters, including wetlands, have been delineated, and the delineation has been verified by the Corps to be sufficiently accurate and reliable. Therefore this preliminary jurisdiction determination may be used in the permit evaluation process, including determining compensatory mitigation. For purposes of computation of impacts, compensatory mitigation requirements, and other resource protection measures, a permit decision made on the basis of a preliminary JD will treat all waters and wetlands that would be affected in any way by the permitted activity on the site as if they are jurisdictional waters of the U.S. This preliminary determination is not an appealable action under the Regulatory Program Administrative Appeal Process (Reference 33 CFR Part 331). However, you may request an approved JD, which is an appealable action, by contacting the Corps district for further instruction.

- There appear to be waters, including wetlands, on the above described property, that may be subject to Section 404 of the Clean Water Act (CWA)(33 USC § 1344) and/or Section 10 of the Rivers and Harbors Act (RHA) (33 USC § 403). However, since the waters, including wetlands, have not been properly delineated, this preliminary jurisdiction determination may not be used in the permit evaluation process. Without a verified wetland delineation, this preliminary determination is merely an effective presumption of CWA/RHA jurisdiction over all of the waters, including wetlands, at the project area, which is not sufficiently accurate and reliable to support an enforceable permit decision. We recommend that you have the waters of the U.S., including wetlands, on your property delineated. As the Corps may not be able to accomplish this wetland delineation in a timely manner, you may wish to obtain a consultant to conduct a delineation that can be verified by the Corps.

B. Approved Determination

- There are Navigable Waters of the United States within the above described property subject to the permit requirements of Section 10 of the Rivers and Harbors Act (RHA) (33 USC § 403) and Section 404 of the Clean Water Act (CWA)(33 USC § 1344). Unless there is a change in law or our published regulations, this determination may be relied upon for a period not to exceed five years from the date of this notification.
- There are waters of the U.S., including wetlands, on the above described property subject to the permit requirements of Section 404 of the Clean Water Act (CWA) (33 USC § 1344). Unless there is a change in law or our published regulations, this determination may be relied upon for a period not to exceed five years from the date of this notification.
- We recommend you have the waters of the U.S., including wetlands, on your property delineated. As the Corps may not be able to accomplish this wetland delineation in a timely manner, you may wish to obtain a consultant to conduct a delineation that can be verified by the Corps.
- The waters of the U.S., including wetlands, on your property have been delineated and the delineation has been verified by the Corps. We strongly suggest you have this delineation surveyed. Upon completion, this survey should be reviewed and verified by the Corps. Once verified, this survey will provide an accurate depiction of all areas subject to CWA jurisdiction on your property which, unless there is a change in law or our published regulations, may be relied upon for a period not to exceed five years from the date of this notification.
- The waters of the U.S., including wetlands, have been delineated and surveyed and are accurately depicted on the plat signed by the Corps Regulatory Official identified below on _____. Unless there is a change in law or our published regulations, this determination may be relied upon for a period not to exceed five years from the date of this notification.
- There are no waters of the U.S., to include wetlands, present on the above described property which are subject to the permit requirements of Section 404 of the Clean Water Act (33 USC 1344). Unless there is a change in law or our published regulations, this determination may be relied upon for a period not to exceed five years from the date of this notification.

- The property is located in one of the 20 Coastal Counties subject to regulation under the Coastal Area Management Act (CAMA). You should contact the Division of Coastal Management in Morehead City, NC, at (252) 808-2808 to determine their requirements.

Placement of dredged or fill material within waters of the US, including wetlands, without a Department of the Army permit may constitute a violation of Section 301 of the Clean Water Act (33 USC § 1311). Placement of dredged or fill material, construction or placement of structures, or work within navigable waters of the United States without a Department of the Army permit may constitute a violation of Sections 9 and/or 10 of the Rivers and Harbors Act (33 USC § 401 and/or 403). If you have any questions regarding this determination and/or the Corps regulatory program, please contact **Thomas Steffens at (910) 251-4615 or Thomas.A.Steffens@usace.army.mil**.

C. Basis For Determination: N/A. An Approved JD has not been completed.

D. Remarks: PJD January 11, 2024

E. Attention USDA Program Participants

The delineation included herein has been conducted to identify the location and extent of the aquatic resource boundaries and/or the jurisdictional status of aquatic resources for purposes of the Clean Water Act for the particular site identified in this request. This delineation and/or jurisdictional determination may not be valid for the Wetland Conservation Provisions of the Food Security Act of 1985, as amended. If you or your tenant are USDA program participants, or anticipate participation in USDA programs, you should discuss the applicability of a certified wetland determination with the local USDA service center, prior to starting work.

F. Appeals Information for Approved Jurisdiction Determinations (as indicated in Section B. above)

If you object to this determination, you may request an administrative appeal under Corps regulations at 33 CFR Part 331. Enclosed you will find a Notification of Appeal Process (NAP) fact sheet and Request for Appeal (RFA) form. If you request to appeal this determination you must submit a completed RFA form to the following address:

US Army Corps of Engineers
South Atlantic Division
Attn: Mr. Philip A. Shannin
Administrative Appeal Review Officer
60 Forsyth Street SW, Floor M9
Atlanta, Georgia 30303-8803

AND

PHILIP.A.SHANNIN@USACE.ARMY.MIL

In order for an RFA to be accepted by the Corps, the Corps must determine that it is complete, that it meets the criteria for appeal under 33 CFR part 331.5, and that it has been received by the Division Office within 60 days of the date of the NAP. Should you decide to submit an RFA form, it must be received at the above address by .

It is not necessary to submit an RFA form to the Division Office if you do not object to the determination in this correspondence.

Monte
Matthews

2024.01.11 16:00:02 -05'00'

Corps Regulatory Official: _____

Date of JD: **January 11, 2024** Expiration Date: **PJD**

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/>.

Copy Furnished:

SPECIAL CONDITIONS

1. Work Limits: All work authorized by this permit shall be performed in strict compliance with the attached permit plans dated November 17, 2023, which are a part of this permit. The Permittee shall ensure that the construction design plans for this project do not deviate from the permit plans attached to this authorization. Any modification to the attached permit plans must be approved by the U.S. Army Corps of Engineers (Corps) prior to any active construction in waters or wetlands.

2. Unauthorized Dredge and/or Fill: Except as authorized by this permit or any Corps-approved modification to this permit, no excavation, fill or mechanized land-clearing activities shall take place at any time in the construction or maintenance of this project, within waters or wetlands. This permit does not authorize temporary placement or double handling of excavated or fill material within waters or wetlands outside the permitted area. This prohibition applies to all borrow and fill activities connected with this project.

3. Permit Distribution: The Permittee shall require its contractors and/or agents to comply with the terms and conditions of this permit in the construction and maintenance of this project, and shall provide each of its contractors and/or agents associated with the construction or maintenance of this project with a copy of this permit. A copy of this permit, including all conditions and drawings shall be available at the project site during construction and maintenance of this project.

4. Sediment and Erosion Control:

1) During the clearing phase of the project, heavy equipment shall not be operated in surface waters or stream channels. Temporary stream crossings will be used to access the opposite sides of stream channels. All temporary diversion channels and stream crossings will be constructed of non-erodible materials. Grubbing of riparian vegetation will not occur until immediately before construction begins on a given segment of stream channel.

2) No fill or excavation impacts for the purposes of sedimentation and erosion control shall occur within jurisdictional waters, including wetlands, unless the impacts are included on the plan drawings and specifically authorized by this permit. This includes, but is not limited to, sediment control fences and other barriers intended to catch sediment losses.

3) The Permittee shall remove all sediment and erosion control measures placed in waters and/or wetlands, and shall restore natural grades on those areas, prior to project completion.

4) The Permittee shall use appropriate sediment and erosion control practices which equal or exceed those outlined in the most recent version of the "North Carolina Sediment and Erosion Control Planning and Design Manual" to ensure compliance with the appropriate turbidity water quality standard. Erosion and sediment control practices shall be in full compliance with all specifications governing the proper design, installation and operation and maintenance of such Best Management Practices in order to ensure compliance with the appropriate turbidity water quality standards. This shall include, but is not limited to, the immediate installation of silt fencing or similar appropriate devices around all areas subject to soil disturbance or the movement of earthen fill, and the immediate stabilization of all disturbed areas. Additionally, the project shall remain in full compliance with all aspects of the Sedimentation Pollution Control Act of 1973 (North Carolina General Statutes

Chapter 113A Article 4). Adequate sedimentation and erosion control measures shall be implemented prior to any ground disturbing activities to minimize impacts to downstream aquatic resources. These measures shall be inspected and maintained regularly, especially following rainfall events. All fill material shall be adequately stabilized at the earliest practicable date to prevent sediment from entering into adjacent waters or wetlands.

5. In-water Work Moratorium: To avoid adverse impacts to spawning populations of fish species at this project site, no in-water work shall be conducted between February 15 and June 30 at Chocowinity Creek and its associated perennial tributaries. For the purpose of this moratorium, “in water” is defined as those waters within Chocowinity Creek, and its associated perennial tributaries, and its abutting wetlands that have an active connection to these tributaries during periods of inundation.

6. Endangered Species: The U.S. Fish and Wildlife Service’s (USFWS’s) Programmatic Biological Opinion (PBO) titled, “NCDOT Program Effects on the Northern Long-eared Bat in Divisions 1-8”, dated November 6, 2020, contains agreed upon conservation measures for the NLEB. As noted in the PBO, applicability of these conservation measures varies depending on the location of the project. Your authorization under this Department of the Army permit is conditional upon your compliance with all applicable conservation measures in the PBO, which are incorporated by reference in this permit. Failure to comply with the applicable conservation measures would constitute non-compliance with your Department of the Army permit. The USFWS is the appropriate authority to determine compliance with the terms and conditions of its PBO, and with the ESA.

The U.S. Fish and Wildlife Service’s (USFWS’s) Programmatic Conference Opinion (PCO) titled “NCDOT Program Effects on the Tricolored Bat in Divisions 1-8”, dated November 20, 2023, contains mandatory terms and conditions to implement the reasonable and prudent measures that are associated with “incidental take” that are specified in the PCO. Your authorization under this Corps permit is conditional upon your compliance with all the mandatory terms and conditions associated with incidental take of the PCO, which terms and conditions are incorporated by reference in this permit. Failure to comply with the terms and conditions associated with incidental take of the PCO, where a take of the listed species occurs, would constitute an unauthorized take, and it would also constitute non-compliance with your Corps permit. The USFWS is the appropriate authority to determine compliance with the terms and conditions of its PCO, and with the ESA.

7. Mitigation: In order to compensate for impacts associated with this permit, mitigation shall be provided in accordance with the provisions outlined on the most recent version of the attached Compensatory Mitigation Responsibility Transfer Form. The requirements of this form, including any special conditions listed on this form, are hereby incorporated as special conditions of this permit.

Action ID Number: SAW-2019-01575

County: Beaufort County

Permittee: Jason Dilday
NCDOT, Central

Project Name: NCDOT Bridge 75 NC 33 Chocowinity Crk

Date Verification Issued: January 11, 2024

Project Manager: Thomas Steffens

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: Thomas Steffens

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

U.S. ARMY CORPS OF ENGINEERS
Wilmington District
Compensatory Mitigation Responsibility Transfer Form

Permittee: NCDOT Central
Project Name: Bridge 75 on NC-33 Chocowinity Crk

Action ID: SAW-2019-01575
County: Beaufort

Instructions to Permittee: The Permittee must provide a copy of this form to the Mitigation Sponsor, either an approved Mitigation Bank or the North Carolina Division of Mitigation Services (NCDMS), who will then sign the form to verify the transfer of the mitigation responsibility. Once the Sponsor has signed this form, it is the Permittee's responsibility to ensure that Wilmington District Project Manager identified on page two is in receipt of a signed copy of this form before conducting authorized impacts, unless otherwise specified below. If more than one Mitigation Sponsor will be used to provide the mitigation associated with the permit, or if the impacts and/or the mitigation will occur in more than one 8-digit Hydrologic Unit Code (HUC), multiple forms will be attached to the permit, and the separate forms for each Sponsor and/or HUC must be provided to the appropriate Mitigation Sponsors.

Instructions to Sponsor: The Sponsor verifies that the mitigation requirements (credits) shown below have been released and are available at the identified site. By signing below, the Sponsor is accepting full responsibility for the identified mitigation, regardless of whether they have received payment from the Permittee. Once the form is signed, the Sponsor must update the bank ledger and provide a copy of the signed form and the updated ledger to the Permittee, the Project Manager who issued the permit, the Bank Project Manager, and the District Mitigation Office (see contact information on page 2). The Sponsor must also comply with all reporting requirements established in their authorizing instrument.

Permitted Impacts and Compensatory Mitigation Requirements

Permitted Impacts Requiring Mitigation*: **8-digit HUC and Basin: 03020104, Tar-Pamlico River Basin**

Stream Impacts (linear feet)			Wetland Impacts (acres)			
Warm	Cool	Cold	Riparian Riverine	Riparian Non-Riverine	Non-Riparian	Coastal
			0.308			

*If more than one mitigation sponsor will be used for the permit, only include impacts to be mitigated by this sponsor.

Compensatory Mitigation Requirements: **8-digit HUC and Basin: 03020104, Tar-Pamlico River Basin**

Stream Mitigation (credits)			Wetland Mitigation (credits)			
Warm	Cool	Cold	Riparian Riverine	Riparian Non-Riverine	Non-Riparian	Coastal
			0.601			

Mitigation Site Debited: NCDMS

(List the name of the bank to be debited. For umbrella banks, also list the specific site. For NCDMS, list NCDMS. If the NCDMS acceptance letter identifies a specific site, also list the specific site to be debited).

Section to be completed by the Mitigation Sponsor

Statement of Mitigation Liability Acceptance: I, the undersigned, verify that I am authorized to approve mitigation transactions for the Mitigation Sponsor shown below, and I certify that the Sponsor agrees to accept full responsibility for providing the mitigation identified in this document (see the table above), associated with the USACE Permittee and Action ID number shown. I also verify that released credits (and/or advance credits for NCDMS), as approved by the Wilmington District, are currently available at the mitigation site identified above. Further, I understand that if the Sponsor fails to provide the required compensatory mitigation, the USACE Wilmington District Engineer may pursue measures against the Sponsor to ensure compliance associated with the mitigation requirements.

Mitigation Sponsor Name: NCDEQ - DMS

Name of Sponsor's Authorized Representative: Beth Harmon

Elizabeth Harmon

Signature of Sponsor's Authorized Representative

01/12/2024

Date of Signature

**USACE Wilmington District
Compensatory Mitigation Responsibility Transfer Form, Page 2**

Conditions for Transfer of Compensatory Mitigation Credit:

- Once this document has been signed by the Mitigation Sponsor and the District is in receipt of the signed form, the Permittee is no longer responsible for providing the mitigation identified in this form, though the Permittee remains responsible for any other mitigation requirements stated in the permit conditions.
- Construction within jurisdictional areas authorized by the permit identified on page one of this form can begin only after the District is in receipt of a copy of this document signed by the Sponsor, confirming that the Sponsor has accepted responsibility for providing the mitigation requirements listed herein. When NCDMS provides mitigation for authorized impacts conducted by the North Carolina Department of Transportation (NCDOT), construction within jurisdictional areas may proceed upon permit issuance; however, a copy of this form signed by NCDMS must be provided to the District within 30 days of permit issuance. NCDOT remains fully responsible for the mitigation until the District has received this form, confirming that the Sponsor has accepted responsibility for providing the mitigation requirements listed herein.
- Signed copies of this document must be retained by the Permittee, Mitigation Sponsor, and in the USACE administrative records for both the permit and the Bank/ILF Instrument. It is the Permittee's responsibility to ensure that the District Project Manager (address below) is provided with a signed copy of this form.
- If changes are proposed to the type, amount, or location of mitigation after this form has been signed and returned to the District, the Sponsor must obtain case-by-case approval from the District Project Manager and/or North Carolina Interagency Review Team (NCIRT). If approved, higher mitigation ratios may be applied, as per current District guidance and a new version of this form must be completed and included in the District administrative records for both the permit and the Bank/ILF Instrument.

Comments/Additional Conditions:

This form is not valid unless signed below by the District Project Manager and by the Mitigation Sponsor on Page 1. ***Once signed, the Sponsor should provide copies of this form along with an updated bank ledger to: 1) the Permittee, 2) the District Project Manager at the address below, 3) the Bank Manager listed in RIBITS, and 4) the Wilmington District Mitigation Office, 3331 Heritage Trade Drive, Suite 105, Wake Forest, NC 27587 (or by email to SAWMIT@usace.army.mil).***

Questions regarding this form or any of the permit conditions may be directed to the District Mitigation Office.

USACE Project Manager: Thomas Steffens
USACE Field Office: Washington Regulatory Field Office
US Army Corps of Engineers
2407 West Fifth Street
Washington, NC 27889
Email: thomas.a.steffens@usace.army.mil



tas

Wilmington District Project Manager Signature

January 11, 2024

Date of Signature

Current Wilmington District mitigation guidance, including information on mitigation ratios, functional assessments, and mitigation bank location and availability, and credit classifications (including stream temperature and wetland groupings) is available at <http://ribits.usace.army.mil>.

ROY COOPER

Governor

ELIZABETH S. BISER

Secretary

RICHARD E. ROGERS, JR.

Director

NORTH CAROLINA
Environmental Quality

January 30, 2024

DWR # 20231569

Beaufort County

TIP BR-0005

Bridge No. 75

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

Subject: APPROVAL OF 401 WATER QUALITY CERTIFICATION WITH ADDITIONAL CONDITIONS

NCDOT, TIP # BR-0005, Beaufort County

Chocowinity Creek [Tar-Pamlico River Basin, 0302010401, C;Sw;NSW]

Dear Mr. Dilday:

You have our approval for the impacts listed below for the replacement of Bridge No. 75 over Chocowinity Creek on NC 33 in Beaufort County. The project shall be constructed according to your application dated November 17, 2023, received by the Division of Water Resources (Division) November 17, 2023. These impacts are covered by Water Quality General Certification Number 4135 and the conditions listed below. This certification is associated with the use of Regional General Permit Number 198200050 once it is issued to you by the U.S. Army Corps of Engineers. Please note that you should get any other federal, state or local permits before proceeding with your project, including those required by (but not limited to) Sediment and Erosion Control, Non-Discharge, and Water Supply Watershed regulations.

The Division has determined that the proposed project will comply with water quality requirements provided that you adhere to the conditions listed in the enclosed certification and to the additional conditions listed below.

The following proposed impacts are hereby approved. No other impacts are approved, including incidental impacts. [15A NCAC 02H .0506(b)]

Wetland Impacts in the Tar-Pamlico River Basin

Site	Wetland Fill Permanent (ac)	Wetland Fill Temporary (ac)	Wetland Excavation (ac)	Wetland Mechanized Clearing (ac)	Hand Clearing (ac)	Total (ac)
Bridge 75	0.305	0.42	0.003	--	0.12	0.848
Utilities	0.01	--	--	--	0.54	0.55
Total	0.315	0.42	0.003	--	0.66	1.398



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

Stream Impacts in the Tar-Pamlico River Basin

Site	Stream Permanent (lf)	Stream Temporary (lf)	Total (lf)
2	--	170	170
3	23	14	37
4	--	31	31
Total	23	215	238

This approval is for the purpose and design described in your application. The plans and specifications for this project are incorporated by reference as part of this Certification. If you change your project, you must notify the Division and you may be required to submit a new application package with the appropriate fee. If the property is sold, the new owner must be given a copy of this Certification and is responsible for complying with all conditions. [15A NCAC 02H .0507(d)(2)].

If you are unable to comply with any of the conditions of the attached Water Quality General Certification or with the additional conditions listed below, you must notify the Washington Regional Office within 24 hours (or the next business day if a weekend or holiday) from the time the permittee becomes aware of the circumstances.

The permittee shall report to the Washington Regional Office any noncompliance with, and/or any violation of, stream or wetland standards [15A NCAC 02B .0200] including but not limited to sediment impacts to streams or wetlands. Information shall be provided orally within 24 hours (or the next business day if a weekend or holiday) from the time the permittee became aware of the non-compliance circumstances.

Additional Conditions:

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.
2. Impacts to Tar-Pamlico Riparian Buffers are covered under a separate Buffer Authorization.
3. Compensatory mitigation for impacts to 0.308 acres of riparian wetlands is required. We understand that you have chosen to perform compensatory mitigation for impacts to wetlands through the North Carolina Division of Mitigation Services (DMS), and that the DMS has agreed to implement the mitigation for the project. DMS has indicated in a letter dated November 27, 2023 that they will assume responsibility for satisfying the federal Clean Water Act compensatory mitigation requirements for the above-referenced project, in accordance with DMS's Mitigation Banking Instrument signed July 28, 2010. [15A NCAC 02H .0506(c)]
4. Due to the possibility that compaction and/or other site alterations might prevent the temporary wetland impact areas from re-attaining jurisdictional wetland status; the permittee shall provide an update on the wetland areas temporarily impacted at Sites 2 and 4. This update shall be conducted two growing seasons after completion of the work and shall consist of photographs and a brief report on the progress of the areas in re-attaining wetland jurisdictional status. Upon submission of this update to the NCDWR, the permittee shall schedule an agency field meeting with the NCDWR to determine if the wetland areas temporarily impacted by this project have re-attained jurisdictional wetland status. If the wetland areas temporarily impacted by this project have not re-attained jurisdictional wetland status, the NCDWR shall determine if compensatory wetland mitigation is to be required. [15A NCAC 02H .0506(b); 15A NCAC 02H .0507(c)]



5. 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. No in-water work is allowed between February 15 and June 30 of any year. Exceptions to this condition require written approval by the resource agency responsible for the given moratorium. [15A NCAC 02H .0506(b); 15A NCAC 02H .0507(c)]
6. 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)]
7. The outside buffer, wetland or water boundary located within the construction corridor approved by this authorization 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 .0506(b); 15A NCAC 02H .0507(c)]
8. 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); 15A NCAC 02H .0507(c)]
9. 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)]
10. 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)]
11. All fill slopes located in jurisdictional wetlands shall be placed at slopes no flatter than 3:1, unless otherwise authorized by this certification. [15A NCAC 02H.0506(b)(1)]
12. 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 15A NCAC 02H .0507(c)]
 - 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 *NC DOT 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]
13. 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); 15A NCAC 02H .0507(c)]



14. 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 02H .0506(b); 15A NCAC 02H .0507(c)]
15. 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 dis-equilibrium 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); 15A NCAC 02H .0507(c); 15A NCAC02B .0200; 15A NCAC 02B .0231]
16. 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)]
17. 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.0506(b); 15A NCAC 02H .0507(c)]
18. 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)(2)]
19. 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)]
20. Any rip-rap required for proper culvert placement, stream stabilization, or restoration of temporarily disturbed areas shall be restricted to the area directly impacted by the approved construction activity. All rip-rap shall be placed such that the original streambed elevation and streambank contours are restored and maintained and shall consist of clean rock or masonry material free of debris or toxic pollutants. Placement of rip-rap or other approved materials shall not result in de-stabilization of the stream bed or banks upstream or downstream of the area or be installed in a manner that precludes aquatic life passage. [15A NCAC 02H .0506(b); 15A NCAC 02H .0507(c)]
21. 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)]
22. 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)]
23. 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)]



24. NCDOT shall be in compliance with the NCS00250 issued to the NCDOT, including the applicable requirements of the NCG01000.
25. 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 02B.0506(b)(2)]
26. Discharging hydroseed mixtures and washing out hydroseeders and other equipment in or adjacent to surface waters is prohibited. [15A NCAC 02H.0506(b)(2)]
27. 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 02H .0506(b); 15A NCAC 02H .0507(c)]
28. The Permittee shall report any violations of this certification to the Division of Water Resources within 24 hours of discovery. [15A NCAC 02H .0506(b); 15A NCAC 02H .0507(c)]
29. 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); 15A NCAC 02H .0507(c)]
30. 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.0507(c)]
31. 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)]

This approval and its conditions are final and binding unless contested. [G.S. 143-215.5] Please be aware that impacting waters without first applying for and securing the issuance of a 401 Water Quality Certification violates Title 15A of the North Carolina Administrative Code (NCAC) 2H .0500. Title 15A NCAC 2H .0500 requires certifications pursuant to Section 401 of the Clean Water Act whenever construction or operation of facilities will result in a discharge into navigable waters, including wetlands, as described in 33 Code of Federal Regulations (CFR) Part 323. It also states any person desiring issuance of the State certification or coverage under a general certification required by Section 401 of the Federal Water Pollution Control Act shall file with the Director of the North Carolina Division of Water Quality. Pursuant to G.S. 143-215.6A, these violations and any future violations are subject to a civil penalty assessment of up to a maximum of \$25,000.00 per day for each violation.

This Certification can be contested as provided in Chapter 150B of the North Carolina General Statutes by filing a Petition for a Contested Case Hearing (Petition) with the North Carolina Office of Administrative Hearings (OAH) **within sixty (60) calendar days**. Requirements for filing a Petition are set forth in Chapter 150B of the North Carolina General Statutes and Title 26 of the North Carolina Administrative Code. Additional information regarding requirements for filing a Petition and Petition forms may be accessed at <http://www.ncoah.com/> or by calling the OAH Clerk's Office at (919) 431-3000.




One (1) copy of the Petition must also be served to the North Carolina Department of Environmental Quality:

William F. Lane, General Counsel
Department of Environmental Quality
1601 Mail Service Center
Raleigh, NC 27699-1601

This letter completes the review of the Division under section 401 of the Clean Water Act and 15A NCAC 02H .0500. Please contact Garcy Ward at 252-948-3917 or garcy.ward@deq.nc.gov if you have any questions or concerns.

Sincerely,

DocuSigned by:

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

cc:

Tom Steffens, USACE Washington Regulatory Field Office (via email)
Jay Johnson, Division 2 Environmental Officer
Chris Rivenbark, RK&K
Stephen Lane, NC Division of Coastal Management
Cathy Brittingham, NC Division of Coastal Management
Garcy Ward, NC Division of Water Resources, Washington Regional Office
File Copy



ROY COOPER

Governor

ELIZABETH S. BISER

Secretary

RICHARD E. ROGERS, JR.

Director



January 30, 2024

DWR # 20231569

Beaufort County

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

Subject: APPROVAL of TAR-PAMLICO RIPARIAN BUFFER IMPACTS WITH ADDITIONAL CONDITIONS
for the replacement of Bridge 75 over Chocowinity Creek on NC 33 in Beaufort County.
TIP BR-0005.

Dear Mr. Dilday:

You have our approval for the impacts listed below for the purpose described in your application dated received by the Division of Water Resources (Division) July 28, 2023. These impacts are covered by the Tar-Pamlico Buffer Rules and the conditions listed below. Please note that you should get any other federal, state or local permits before proceeding with your project, including those required by (but not limited to) Sediment and Erosion Control, Non-Discharge, and Water Supply Watershed regulations.

The following impacts are hereby approved, provided that all of the Conditions listed below and all of the conditions of the Tar-Pamlico Buffer Rules [15A NCAC 02B .0734] are met. No other impacts are approved, including incidental impacts.

Site	Buffer Zone 1 (sq ft)	Buffer Zone 2 (sq ft)	Total (sq ft)
2 – bridge	5215	2673	7888
2 – work bridge	3893	1290	5183
2A - swale	1665	1049	2714
Total	10,773	5,012	15,785

This approval is for the purpose and design described in your application. The plans and specifications for this project are incorporated by reference as part of this Authorization Certificate. If you change your project, you must notify the Division and you may be required to submit a new application package. If the property is sold, the new owner must be given a copy of this Authorization Certificate and is responsible for complying with all conditions. [15A NCAC 02B .0734]



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

If you are unable to comply with any of the conditions below, you must notify the Washington Regional Office within 24 hours (or the next business day if a weekend or holiday) from the time the permittee becomes aware of the circumstances.

The permittee shall report to the Washington Regional Office any noncompliance with the conditions of this Authorization Certificate and/or any violation of state regulated riparian buffer rules [15A NCAC 02B .0734]. Information shall be provided orally within 24 hours (or the next business day if a weekend or holiday) from the time the applicant became aware of the circumstances.

Additional Conditions:

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
2. This approval is associated with General Water Quality Certification No. 4135 that was issued on January 30, 2024 for the subject activity.
3. Any riparian buffers impacted by the temporary work bridges shall be restored to pre-construction topographic and hydrologic conditions and replanted with comparable vegetation within two months of when construction is complete. Tree planting may occur during the dormant season. At the end of five years, any restored wooded riparian buffer shall comply with the restoration criteria in Rule 15A NCAC 02B .0295(i). [15A NCAC 02B .0734(11)(ee)]
4. 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)]
5. 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)]
6. 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)]
7. 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]
8. 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)]



9. 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. [15A NCAC 02B.0201]
10. If placement of sediment and erosion control devices in the riparian buffer is unavoidable, then design and placement of temporary erosion control measures shall not be conducted in a manner that may result in dis-equilibrium of buffers, stream beds, or banks, adjacent to or upstream and downstream of the above structures. All sediment and erosion control devices shall be removed from buffers and waters and the natural grade restored within two (2) months of the date that the project was completed and stabilized. [15A NCAC 02H.0506(b)(3) and (c)(3)]
11. Pursuant to 15A NCAC 2B .0734 (11)(ff), all riparian buffers impacted by temporary fill or clearing activities or temporary sediment and erosion control devices shall be restored to preconstruction topographic and hydrologic conditions and replanted with comparable vegetation within two months of when construction is complete.
12. Stormwater runoff into the riparian buffer shall meet dispersed flow as defined in 15A NCAC 02H .1002 except as otherwise described in 15A NCAC 2B .0734(9).
13. 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]
14. Upon completion of the project, the applicant shall complete the "Certification of Completion Form" to notify the NCDWR when all work included in the Buffer Authorization has been completed. [15A NCAC 02H.0502(f)]
15. A copy of this Approval shall be maintained on the construction site at all times. In addition, the Approval and all subsequent modifications, if any, shall be maintained with the on-site project manager. [15A NCAC 02H .0507(c) and 15A NCAC 02H .0506 (b)(2) and (c)(2)]

This approval and its conditions are final and binding unless contested. [G.S. 143-215.5]

This Authorization Certificate can be contested as provided in Chapter 150B of the North Carolina General Statutes by filing a Petition for a Contested Case Hearing (Petition) with the North Carolina Office of Administrative Hearings (OAH) **within sixty (60) calendar days**. Requirements for filing a Petition are set forth in Chapter 150B of the North Carolina General Statutes and Title 26 of the North Carolina Administrative Code. Additional information regarding requirements for filing a Petition and Petition forms may be accessed at <http://www.ncoah.com/> or by calling the OAH Clerk's Office at (919) 431-3000.



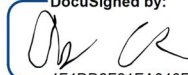
One (1) copy of the Petition must also be served to the North Carolina Department of Environmental Quality:

William F. Lane, General Counsel
Department of Environmental Quality
1601 Mail Service Center
Raleigh, NC 27699-1601

This Authorization shall expire five (5) years from the date of this letter.

This letter completes the review of the Division under the Tar-Pamlico Riparian Buffer Rules as described in 15A NCAC 02B .0734. Please contact Garcy Ward at 252-948-3917 or garcy.ward@deq.nc.gov if you have any questions or concerns.

Sincerely,

DocuSigned by:

4F4DD2F21EA846E...

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

CC:

Tom Steffens, US Army Corps of Engineers, Washington Field Office
Stephen Lane, NC Division of Coastal Management
Cathy Brittingham, NC Division of Coastal Management
Jay Johnson, Division 2 Environmental Officer
Chris Rivenbark, RK&K, crivenbark@rkk.com
Garcy Ward, NC Division of Water Resources, Washington Regional Office
File Copy



Permit Class
NEW

Permit Number
40-24

STATE OF NORTH CAROLINA
Department of Environmental Quality
and
Coastal Resources Commission

Permit

for

☒ Major Development in an Area of Environmental Concern
pursuant to NCGS 113A-118

☐ Excavation and/or filling pursuant to NCGS 113-229

Issued to **N.C. Department of Transportation, 1598 Mail Service Center, Raleigh, NC 27699-1598**

Authorizing development in Beaufort County at Chocowinity Creek, Bridge No. 75 on NC 33, as requested in the permittee's application dated 11/17/23 (MP-1 and MP-5) and 2/7/24 (MP-2), including the attached workplan drawings (60) as referenced in Condition No. 1 of this permit.

This permit, issued on April 18, 2024, is subject to compliance with the application (where consistent with the permit), all applicable regulations, special conditions and notes set forth below. Any violation of these terms may be subject to fines, imprisonment or civil action; or may cause the permit to be null and void.

TIP No. BR-0005, Replacement of Bridge No. 75 over Chocowinity Creek on NC 33, including a temporary detour bridge, utility relocations and additional roadway improvements

- 1) Unless specifically altered herein, all work authorized by this permit shall be carried out in accordance with the following attached workplan drawings [07J .0202(c)]:

Wetland and Surface Water Impacts (29 sheets): dated 11/17/23.

Buffer Impacts (5 sheets): dated 11/17/23.

Utilities - Wetland and Surface Water Impacts (14 sheets): dated 11/17/23.

Utilities - Buffer Impacts (2): dated 11/17/23

Roadway plans (10 sheets): 4 dated 3/27/23; 2 dated 5/19/22; 2 dated 3/28/23; 1 dated 6/23/23; and 1 dated 6/24/22.

(See attached sheets for Additional Conditions)

This permit action may be appealed by the permittee or other qualified persons within twenty (20) days of the issuing date.

This permit must be accessible on-site to Department personnel when the project is inspected for compliance.

Any maintenance work or project modification not covered hereunder requires further Division approval.

All work must cease when the permit expires on

No expiration date, pursuant to GS 136-44.7B

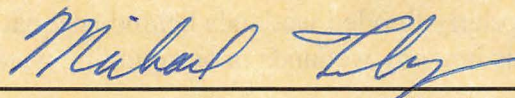
In issuing this permit, the State of North Carolina agrees that your project is consistent with the North Carolina Coastal Management Program.

Signed by the authority of the Secretary of DEQ and the Chair of the Coastal Resources Commission.



for Tancred Miller, Director
Division of Coastal Management

This permit and its conditions are hereby accepted.



Signature of Permittee

ADDITIONAL CONDITIONS

- 2) In order to protect anadromous fisheries resources in Chocowinity Creek and its associated perennial tributaries, no in-water work shall be conducted from February 15 through June 30 of any year without prior approval of the N.C. Division of Coastal Management, in consultation with the appropriate resource agencies [07H .0208(a)(2)].
- 3) If it is determined that additional permanent and/or temporary impacts are necessary, that are not shown on the attached workplan drawings or described in the authorized permit application a permit modification and/or additional authorization from DCM may be required. In addition, any changes in the approved plan may also require a permit modification and/or additional authorization from DCM. The permittee shall contact a representative of DCM prior to commencement of any such activity for this determination and any permit modification [07J .0201].
- 4) The permittee shall submit final designs for review and approval to DCM for the proposed temporary work bridge and on-site detour bridge prior to their construction. Additional coordination may be required in the case of significant change in the project design [07J .0201].
- 5) All construction access shall be through the use of top-down construction, barges, the temporary work bridge, temporary causeway, existing causeway, partially constructed new bridge and/or existing high ground areas [07J .0202(c)].
- 6) Barges shall only be utilized in areas of sufficient depth such that the barges avoid contact with the bottom and do not rest on the bottom during periods of low water [07J .0201].
- 7) The installation of the bridge piles shall be accomplished using driven piles (hammer or vibratory). Should the permittee and/or its contractor propose to utilize another method of pile installation, such as jetting, additional authorization from DCM shall be required [07J .0202(c); 07J .0405(a)].
- 8) Pilings from the existing bridge, the temporary work bridge, and the temporary detour bridge, as well as any remnant pilings/structures from previous bridges, shall be removed in their entirety, except that in the event that a bridge piling or component breaks during removal and cannot be removed in its entirety, it may be cut off flush with the bed of the water body, and DCM shall be notified of each occurrence within one working day [07H .0208(a)(2)].
- 9) No excavation or filling shall take place at any time in any vegetated wetlands or surrounding waters outside of the alignment of the areas indicated on the attached workplan drawings, without permit modification [G.S 113A-120(b); 07J .0209(a); 07J .0405(a)].
- 10) All fill material shall be clean and free of any pollutants except in trace quantities [07H .0208(a)(2)(B)].
- 11) Material excavated at the project site may be used in fill areas associated with the project once properly dewatered or shall be removed from the site and taken to an appropriate high ground location [07H .0208(a)(2)].
- 12) All excavated materials shall be confined above normal water level and landward of regularly or irregularly flooded wetlands behind adequate dikes or other retaining structures to prevent spillover of solids into any wetlands or surrounding waters [07H .0208(a)(2)(B)].

ADDITIONAL CONDITIONS

- 13) The temporary placement and/or double handling of any excavated or fill material within wetlands or waters of the State is not authorized, with the exception of that material which is necessary for construction of the on-site detour [07H .0208(a)(2)(B)].
- 14) The placement of riprap shall be limited to the areas as indicated on the attached workplan drawings. It shall be of a size sufficient to prevent its movement from the authorized alignment. If the riprap becomes dislodged from the approved alignment at any point in the future, the permittee shall immediately contact DCM to determine the appropriate course of action. The riprap material shall consist of clean rock or masonry materials such as but not limited to granite, marl, or broken concrete without exposed rebar, or other suitable materials approved by DCM [07J .0202(c)].
- 15) Uncured concrete or water that has been in contact with uncured concrete shall not be allowed to contact waters of the State, or water that will enter waters of the State [07H .0208(a)(2)(B)].
- 16) Construction staging areas shall be located only in upland areas landward of any applicable buffers, and not in wetlands or waters of the State [07H .0208(a)(2)(B)].
- 17) All reasonable efforts shall be made to contain all debris and excess materials associated with the authorized activities, with the intent that materials/debris do not enter wetlands or waters of the State, even temporarily [07H .0208(a)(2)(B)].
- 18) Any waste materials or debris generated in the authorized activities shall be disposed of at an approved upland site or shall be recycled in an environmentally appropriate manner provided appropriate authorizations are obtained from any relevant state, federal, or local authorities [G.S 113A-120(b); 07J .0209(a)].
- 19) The demolition plan for removal of the existing bridge structure shall be submitted to DCM for review and approval prior to commencement of the demolition activities [07J .0201].

Sedimentation and Erosion Control

- 20) Turbidity curtains shall be used to isolate all in-water work areas from the adjacent waters of Chocowinity Creek, including but not limited to, the existing bridge removal, pile installation, pile removal, and placement of riprap within or adjacent to surface waters. The turbidity curtains shall be sufficient to prevent a visible increase in the amount of suspended sediments in adjacent waters. The turbidity curtains shall encircle the immediate work area, however they shall not impede navigation. The turbidity curtains shall be properly maintained and retained in the water until construction is complete and shall only be removed when turbidity within the curtains reaches ambient levels [07H .0208(a)(2); 07H .0209(d)(4)].
- 21) This project shall conform to all requirements of the N.C. Sedimentation Pollution Control Act and the N.C. Department of Transportation's (NCDOT's) Memorandum of Agreement with the N.C. Division of Energy, Mineral and Land Resources [07J .0209(a)].
- 22) In order to protect water quality, runoff from construction shall not visibly increase the amount of suspended sediments in adjacent waters [07H .0209(d)(4); G.S. 113A-102(a); 07H .0208(a)(2)].

ADDITIONAL CONDITIONS**Impacts to Riparian Buffers, Wetlands and Waters of the State and Compensatory Mitigation**

- NOTE:** This project will permanently impact approximately 0.32 acres of 404 Wetlands (approximately 0.315 acres due to permanent fill and approximately 0.003 acres due to excavation). This project will temporarily impact approximately 1.08 acres of 404 Wetlands (approximately 0.42 acres due to temporary fill and approximately 0.66 acres due to hand clearing).
- NOTE:** This project will permanently impact approximately 23 linear feet of streams and will temporarily impact approximately 215 linear feet of streams.
- NOTE:** This project will permanently impact approximately 436 square feet of surface waters, and will temporarily impact approximately 0.26 acres of surface waters.
- NOTE:** This project will impact approximately 10,773 square feet of Buffer Zone 1, and approximately 5,012 square feet of Buffer Zone 2.
- NOTE:** In accordance with the N.C. Division of Mitigation Services (DMS) letter dated 11/7/23, compensatory mitigation for permanent impacts to 0.308 acres of Riparian Wetlands and 23 linear feet of warm stream associated with the authorized project shall be provided by the DMS in accordance with the DMS In-Lieu Fee Instrument dated 7/28/10.

- 23) All temporary fill within wetlands shall be placed on geo-textile fabric to facilitate the total removal upon completion of the project [07H .0208(a)(2)(B)].
- 24) The temporary detour, temporary work bridge, and associated materials including temporary shoring, riprap and fill shall be removed in their entirety within 90 days after they are no longer needed. However, if this timeframe occurs while the moratorium referenced in Condition No. 2 of this permit is in effect, then they shall be removed in their entirety within 90 days of the moratorium end date [07H .0208(a)(2)].
- 25) There shall be no clearing of wetlands outside of the areas indicated for impacts on the attached workplan drawings without prior approval from DCM [07H .0208(a)(2)(B)].
- 26) Wetland areas to be temporarily impacted by hand clearing shall not be grubbed [07H .0208(a)(2)(B)].
- 27) The authorized temporary shoring shall be in place prior to any backfilling activities. The temporary shoring shall be structurally tight so as to prevent seepage of fill materials through the structure [07H .0208(a)(2)(B)].

Utility Impacts

- NOTE:** Construction of the new bridge will also require relocation of electric, cable, sewer and water utilities. Wetland impacts resulting from utility relocations have been included in the total wetland impacts for this project.
- 28) In accordance with commitments made by the permittee, construction mats shall be utilized in wetlands during utility relocations [07J .0202(c)].

ADDITIONAL CONDITIONS

- 29) Any utility work associated with this project that is not specifically depicted on the attached workplan drawings, or described within the attached permit application, shall require approval from DCM, either under the authority of this permit, or by the utility company obtaining separate authorization [07J .0202(c); 07J .0201; 07J .0405(a)].

NOTE: Engineering plans and specifications for the water line relocation shall be submitted to the Division of Water Resources Public Water Supply Section at 1639 Mail Service Center, Raleigh, NC 27699-1634. For more information, contact the Public Water Supply Section at (919) 707-9100.

Stormwater Management

NOTE: This project shall be constructed in accordance with the permittee's Stormwater Management Plan dated 8/7/19, and the provisions of the NCDOT's National Pollutant Discharge Elimination (NPDES) Stormwater Permit NCS000250, including the application requirements of the NCG01000.

- 30) In accordance with commitments made by the permittee, no deck drains shall be placed on the authorized new permanent bridge [07J .0202(c)].

General

NOTE: In accordance with the letter dated 11/30/21 from the Catawba Indian Nation, NCDOT should notify the Catawba if archaeological resources and/or human remains are located during the ground disturbance phase of this project. In the event that archaeological resources or human remains are discovered, NCDOT should also notify the State Historic Preservation Office (SHPO).

NOTE: It is strongly recommended that the permittee exercise all available precautions in the construction, operation and maintenance of the bridge and adjacent roadway to prevent waste from entering the adjacent waters and wetlands. Such discharge, either directly or indirectly, to adjacent waters could contravene state water quality standards, thereby violating state law.

- 31) Development authorized by this permit shall only be conducted on lands owned by NCDOT, appropriate utility entities, and/or its Right-of-Ways and/or easements [G.S. 113-229(b)].

- 32) The permittee and/or its contractor shall contact the DCM Transportation Project Field Representative by phone at (252) 515-5408 or by email at stephen.lane@deq.nc.gov to request a preconstruction conference prior to project initiation [G.S 113A-120(b); 07J .0209(a)].

NOTE: The N.C. Division of Water Resources (DWR) authorized the proposed project on 1/30/24 (DWR Project No. 20231569) under General Water Quality Certification No. 4135 and a corresponding Buffer Authorization under the Tar-Pamlico Riparian Buffer Rules.

NOTE: The U.S. Army Corps of Engineers authorized the proposed project under Regional General Permit 50 (COE Action ID No. SAW-2019-01575), which was issued on 1/11/24.

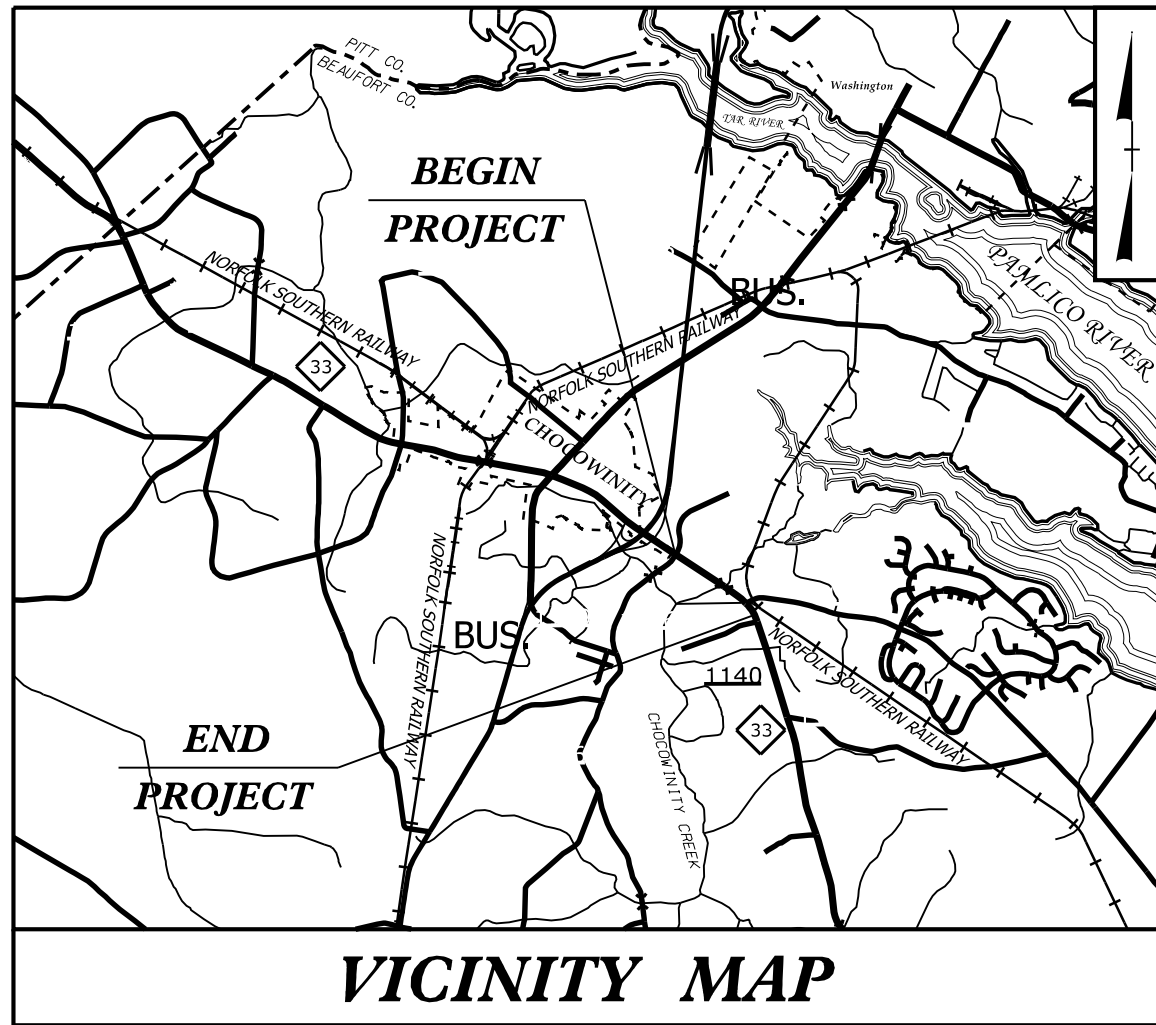
ADDITIONAL CONDITIONS

NOTE: This permit does not eliminate the need to obtain any additional permits, approvals or authorizations that may be required.

NOTE: An application processing fee of \$475 was received by DCM for this project. This fee also satisfied the Section 401 application processing fee requirements of DWR.

09.08/99

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



VICINITY MAP

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

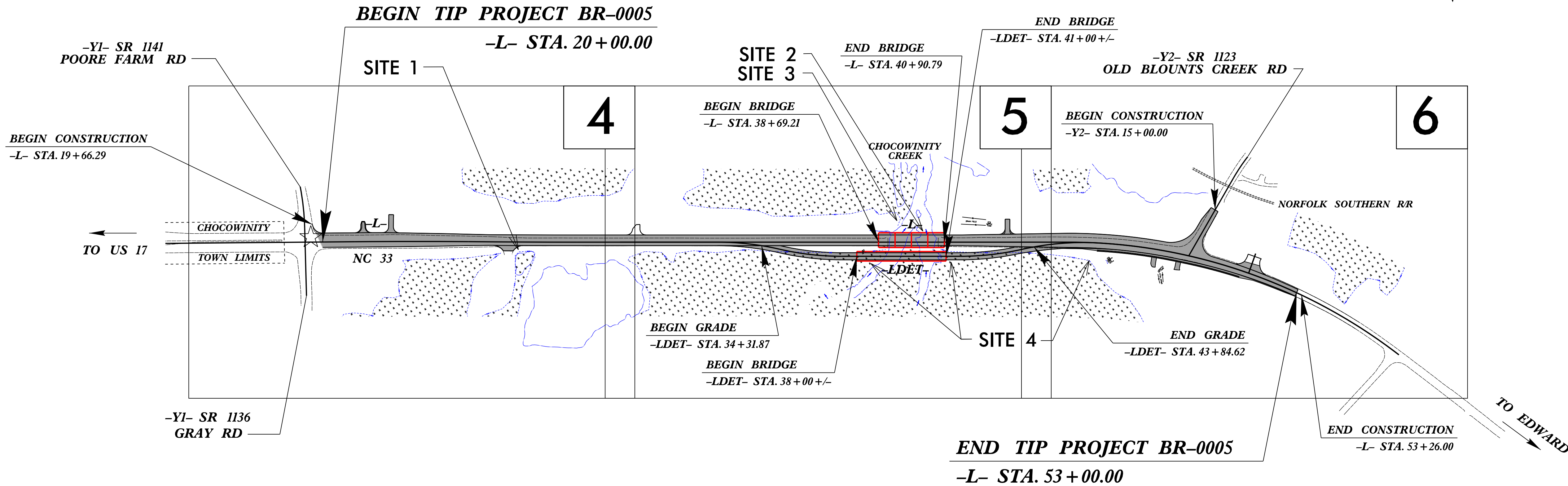
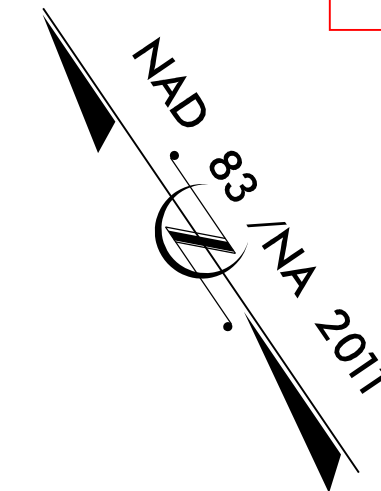
BEAUFORT COUNTY

LOCATION: BRIDGE 060075 ON NC 33 OVER CHOCOWINITY CREEK
TYPE OF WORK: GRADING, DRAINAGE, PAVING, SIGNAL, AND STRUCTURE

WETLAND AND SURFACE WATER IMPACTS PERMIT

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	BR-0005	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
67005.1.1	N/A	PE	

PERMIT DRAWING
SHEET 1 OF 30



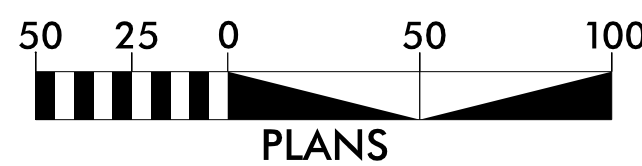
CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD II.

★ RELOCATE EXISTING SIGNAL

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

GRAPHIC SCALES



DESIGN DATA

ADT 2023 = 10,280
ADT 2043 = 11,370
K = 12 %
D = 60 %
T = 13 % *
V = 60 MPH
* TTST = 7% DUAL = 6%
FUNC CLASS =
MAJOR COLLECTOR
REGIONAL TIER

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT BR-0005 = 0.583 MILES
LENGTH STRUCTURE TIP PROJECT BR-0005 = 0.042 MILES
TOTAL LENGTH TIP PROJECT BR-0005 = 0.625 MILES

Prepared for NCDOT in the Office of:

Mead&Hunt

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Raleigh, North Carolina 27601
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NC License No. F-1235

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:

APRIL 19, 2022

LETTING DATE:

MARCH 21, 2023

RICK DECOLA, PE
PROJECT ENGINEER

TRAVIS COOK, PE
PROJECT DESIGN ENGINEER

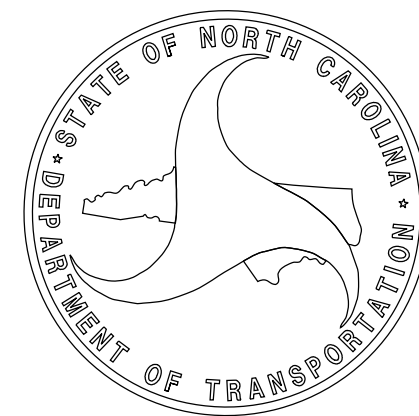
DAVID STUTTS, PE
NCDOT CONTACT

HYDRAULICS
ENGINEER

SIGNATURE: P.E.

ROADWAY DESIGN
ENGINEER

SIGNATURE: P.E.



TIP PROJECT: BR-0005

CONTRACT:

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8/17/99

WETLAND AND SURFACE WATER IMPACTS PERMIT

PROJECT REFERENCE NO.
BR-0005

SHEET NO.
2B-1

RW SHEET NO.

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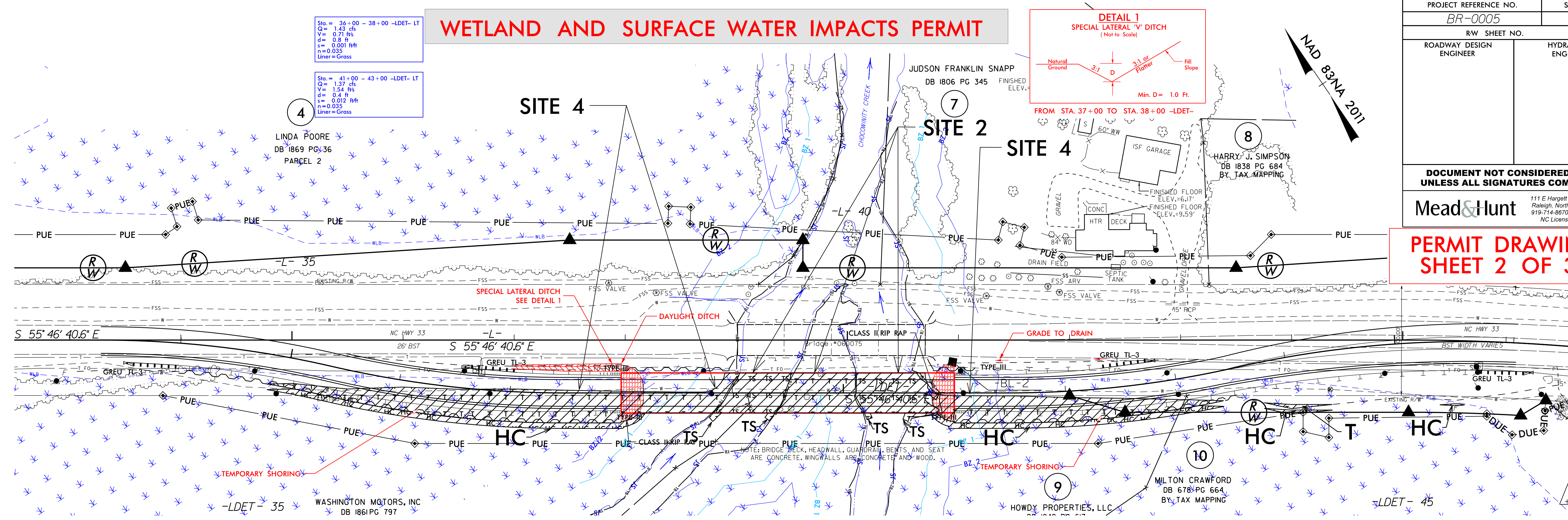
HYDRAULICS ENGINEER

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UNLESS ALL SIGNATURES COMPLETED

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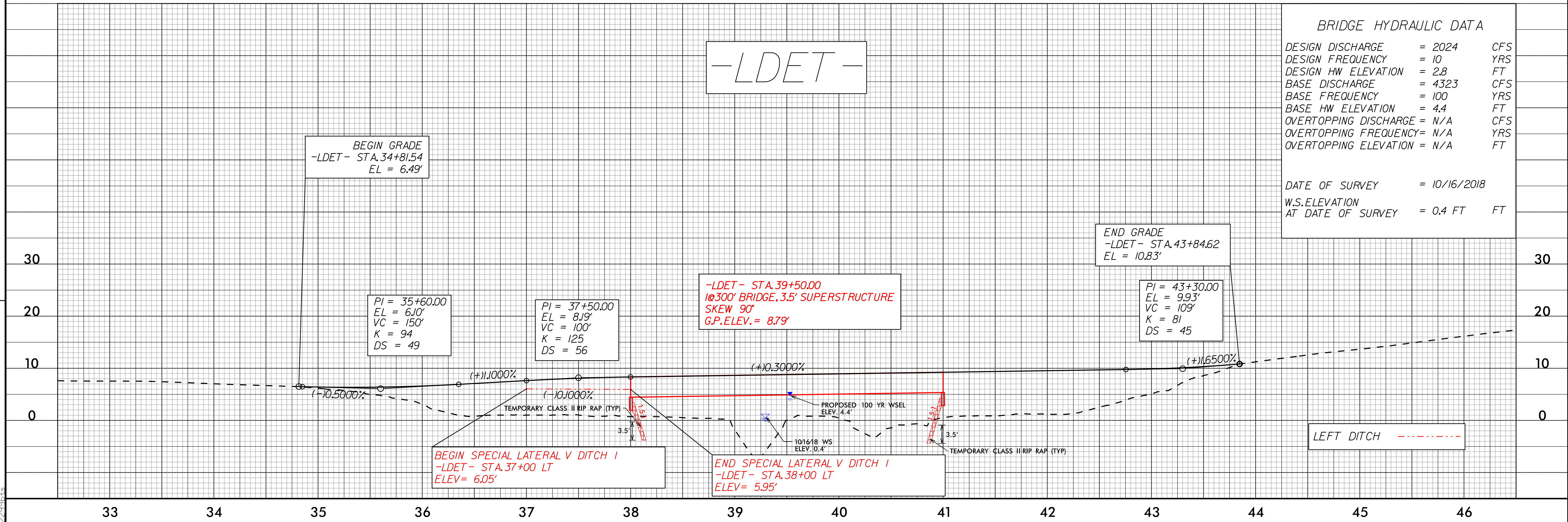
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PERMIT DRAWING
SHEET 2 OF 30



- TEMPORARY FILL IN WETLAND
- TEMPORARY SURFACE WATER IMPACTS
- HAND CLEARING

FOR -L- DESIGN, SEE SHEETS 5 & 6



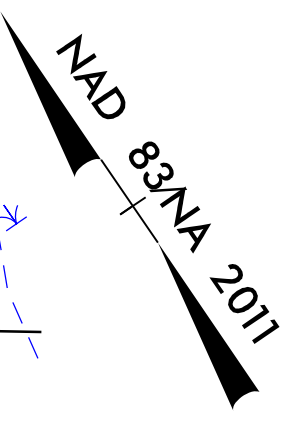
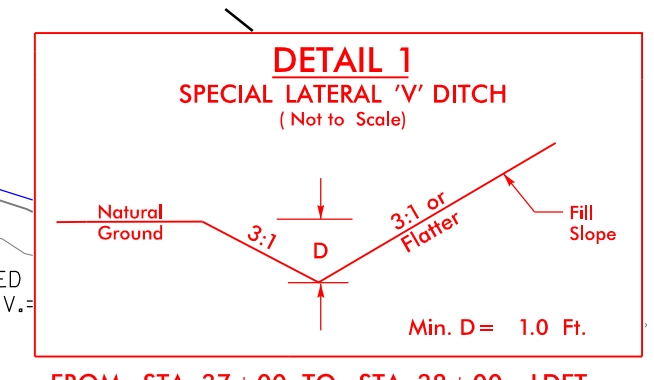
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DESIGN HW ELEVATION	= 2.8	FT
BASE DISCHARGE	= 4323	CFS
BASE FREQUENCY	= 100	YRS
BASE HW ELEVATION	= 4.4	FT
OVERTOPPING DISCHARGE	= N/A	CFS
OVERTOPPING FREQUENCY	= N/A	YRS
OVERTOPPING ELEVATION	= N/A	FT
DATE OF SURVEY	= 10/16/2018	
W.S. ELEVATION AT DATE OF SURVEY	= 0.4 FT	FT

REVISIONS

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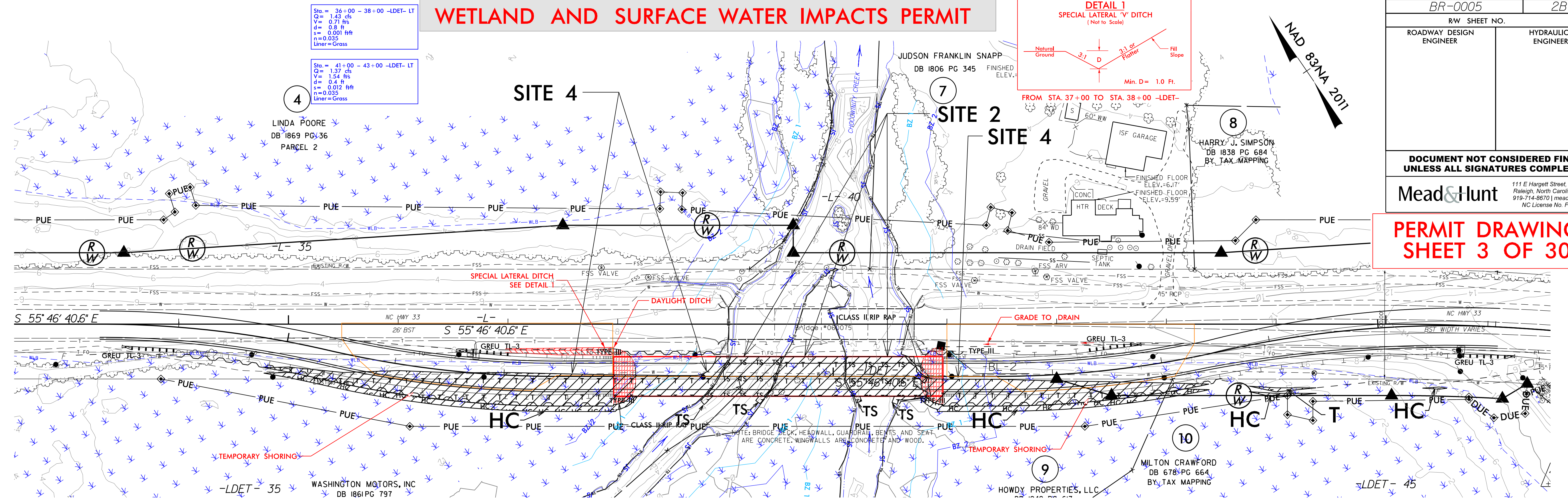
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WETLAND AND SURFACE WATER IMPACTS PERMIT



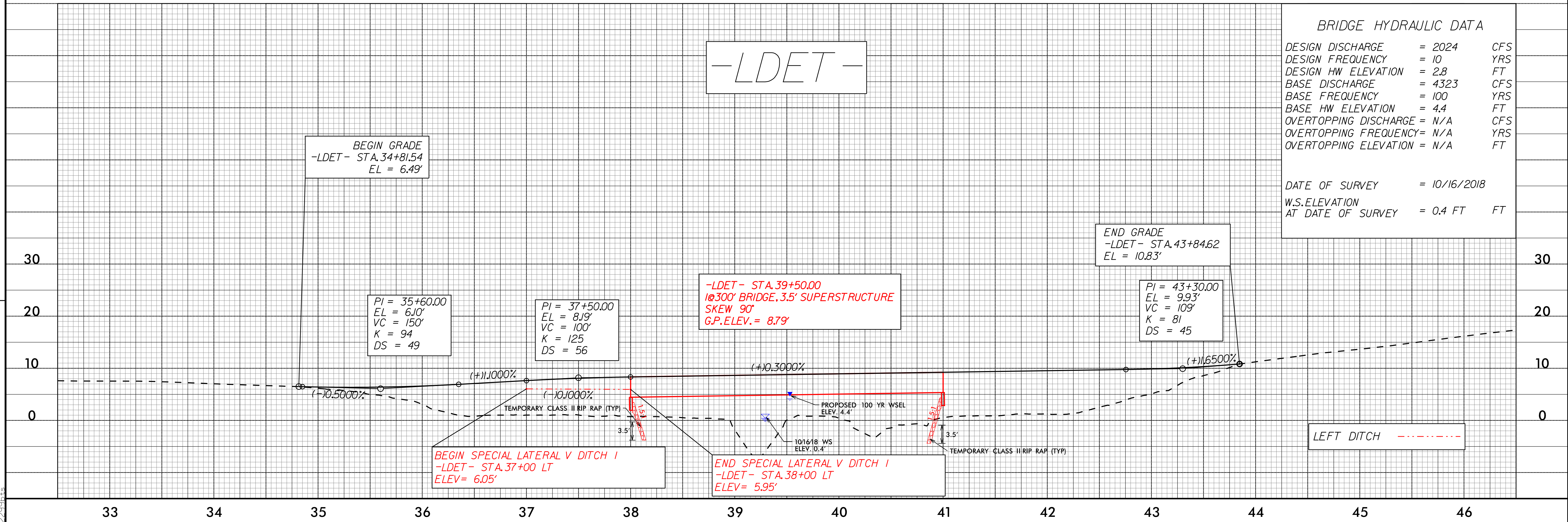
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RW SHEET NO.			
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PERMIT DRAWING
SHEET 3 OF 30



- TEMPORARY FILL IN WETLAND
- TEMPORARY SURFACE WATER IMPACTS
- HAND CLEARING

FOR -L- DESIGN, SEE SHEETS 5 & 6



BRIDGE HYDRAULIC DATA

DESIGN DISCHARGE	= 2024	CFS
DESIGN FREQUENCY	= 10	YRS
DESIGN HW ELEVATION	= 2.8	FT
BASE DISCHARGE	= 4323	CFS
BASE FREQUENCY	= 100	YRS
BASE HW ELEVATION	= 4.4	FT
OVERTOPPING DISCHARGE	= N/A	CFS
OVERTOPPING FREQUENCY	= N/A	YRS
OVERTOPPING ELEVATION	= N/A	FT

DATE OF SURVEY = 10/16/2018

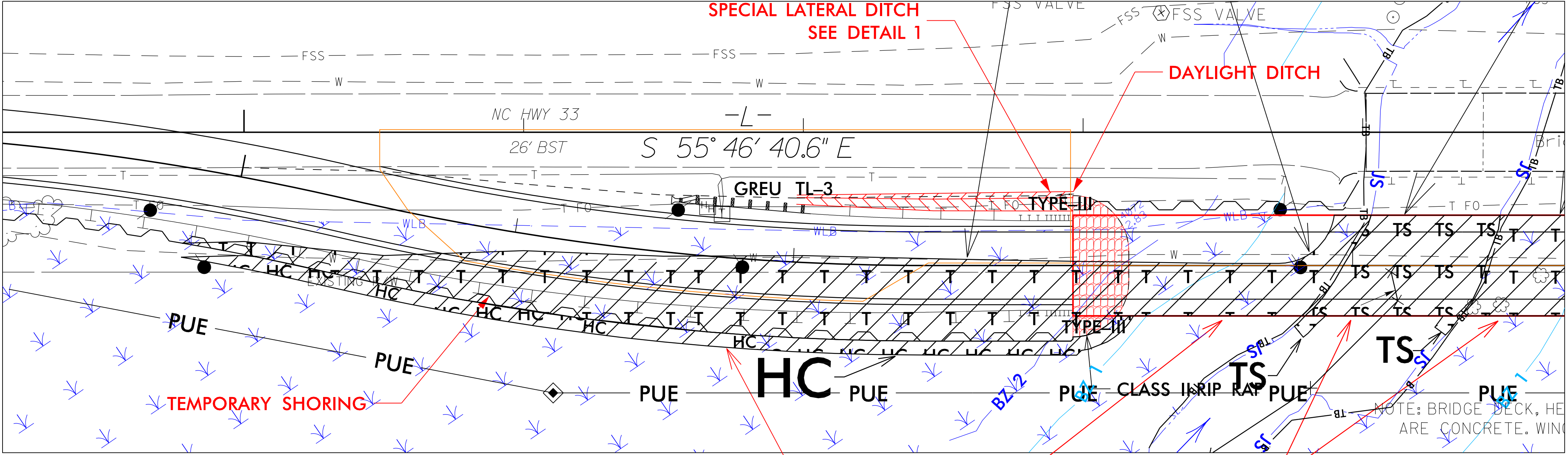
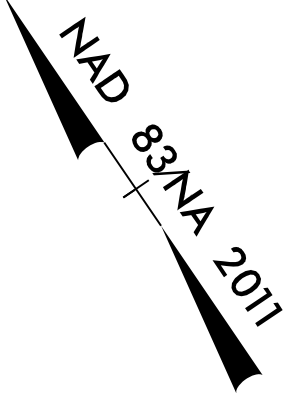
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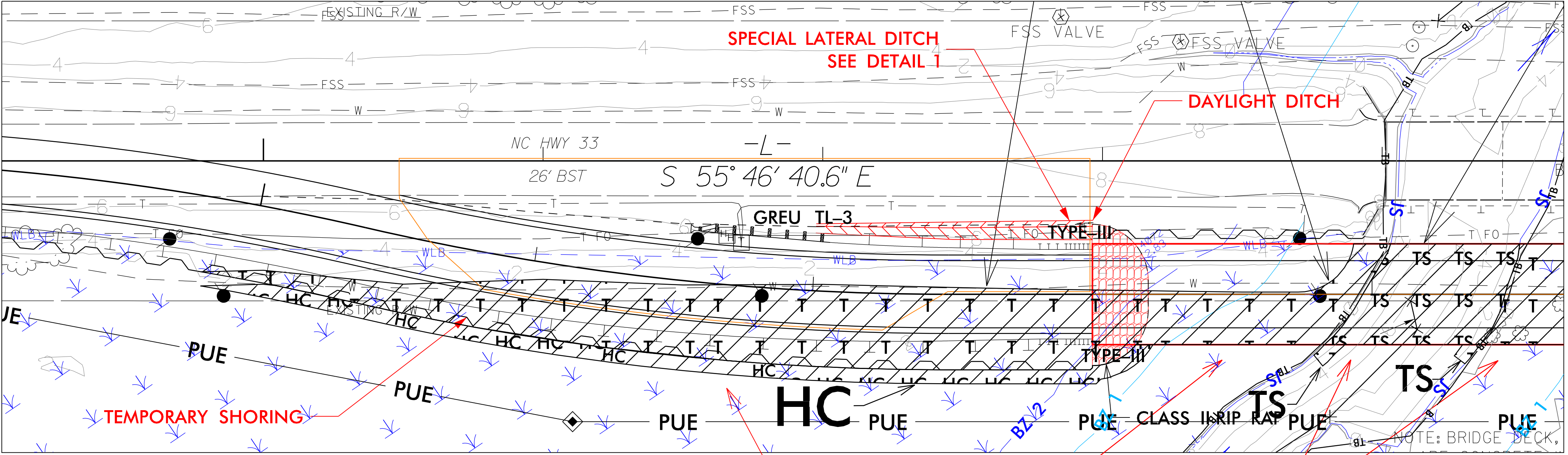
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SHEET 4 OF 30

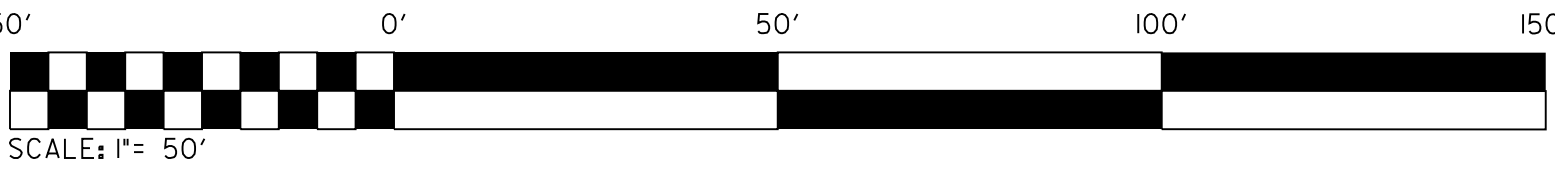


WETLAND AND SURFACE WATER IMPACTS



WETLAND AND SURFACE WATER IMPACTS

-  TEMPORARY FILL IN WETLAND
-  TEMPORARY SURFACE WATER IMPACTS
-  HAND CLEARING

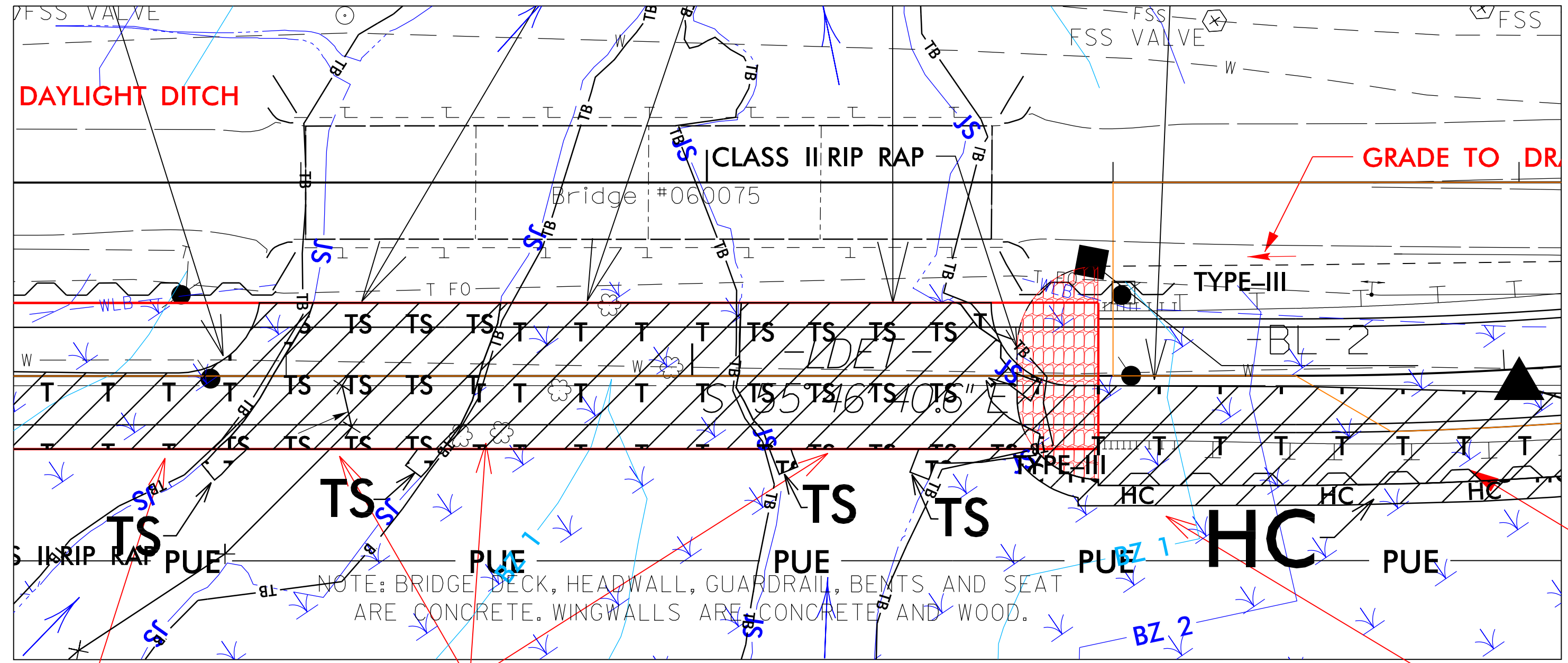
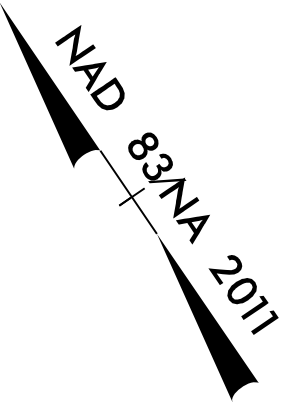


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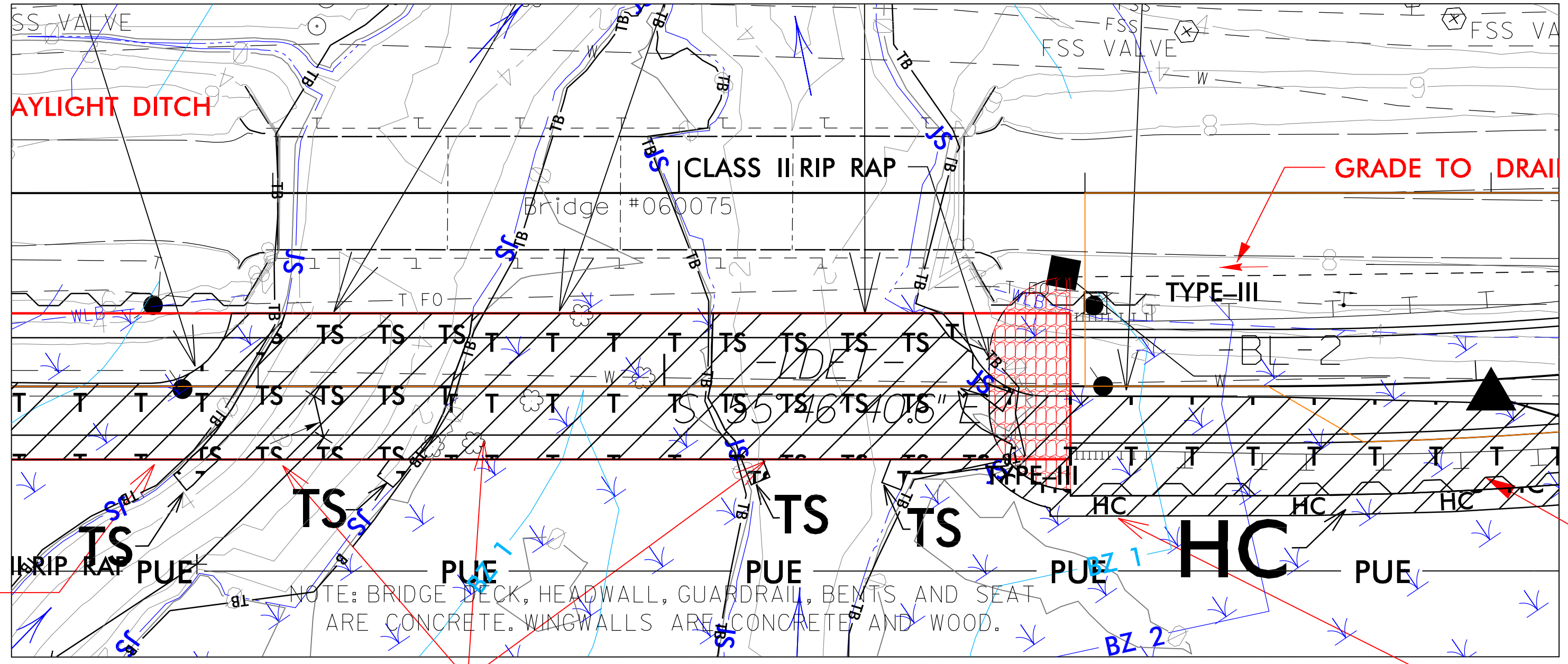
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SHEET 5 OF 30



SITE 4
WETLAND AND
SURFACE
WATER IMPACTS

SITE 2
WETLAND AND SURFACE WATER IMPACTS


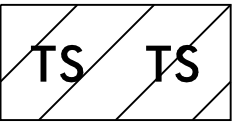

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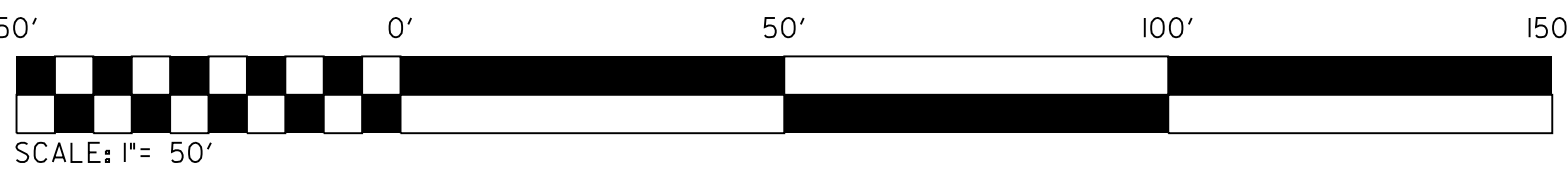


SITE 4
WETLAND AND
SURFACE WATER IMPACTS

SITE 2
WETLAND AND SURFACE WATER IMPACTS

SITE 4
WETLAND AND SURFACE WATER IMPACTS

-  TEMPORARY FILL IN WETLAND
-  TEMPORARY SURFACE WATER IMPACTS
-  HAND CLEARING

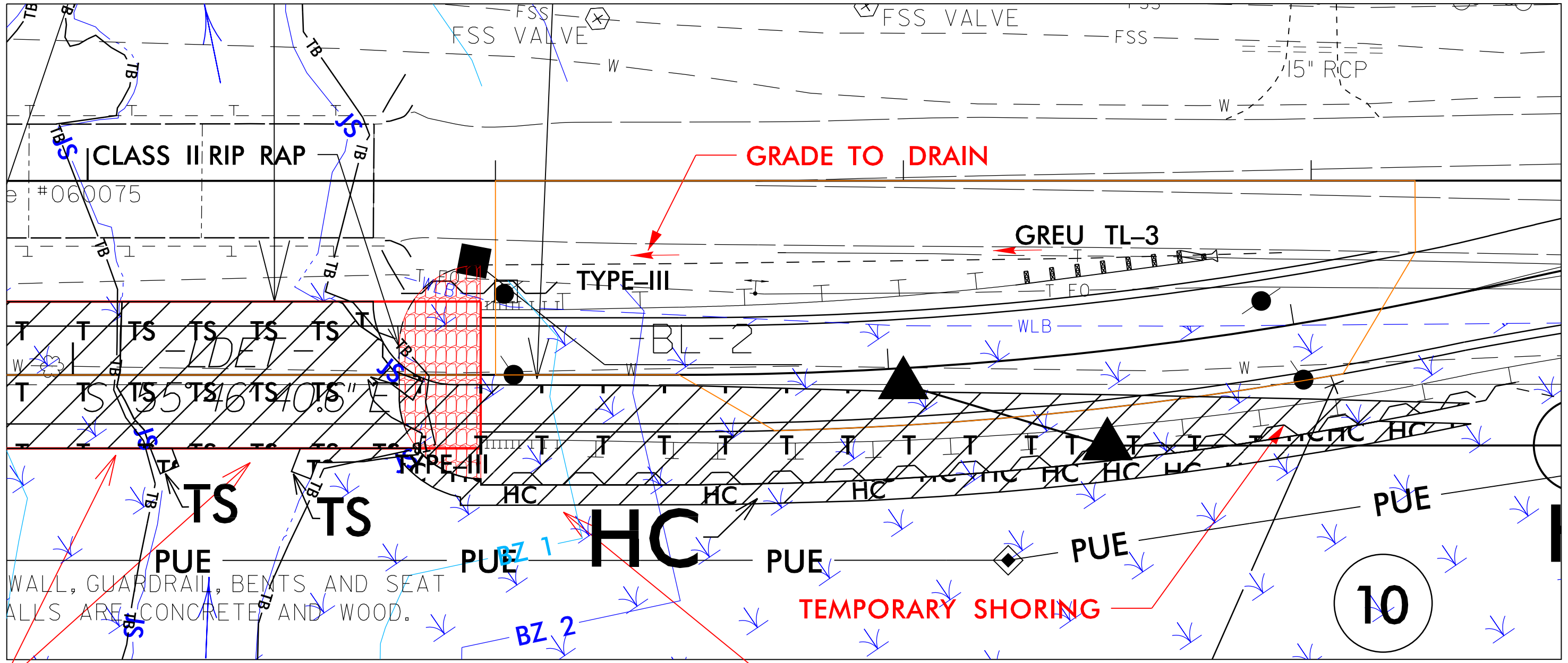
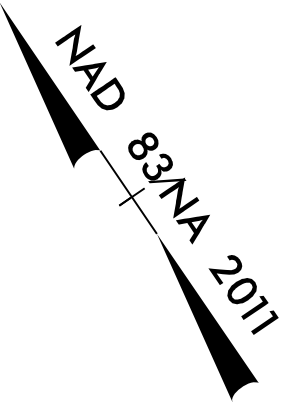


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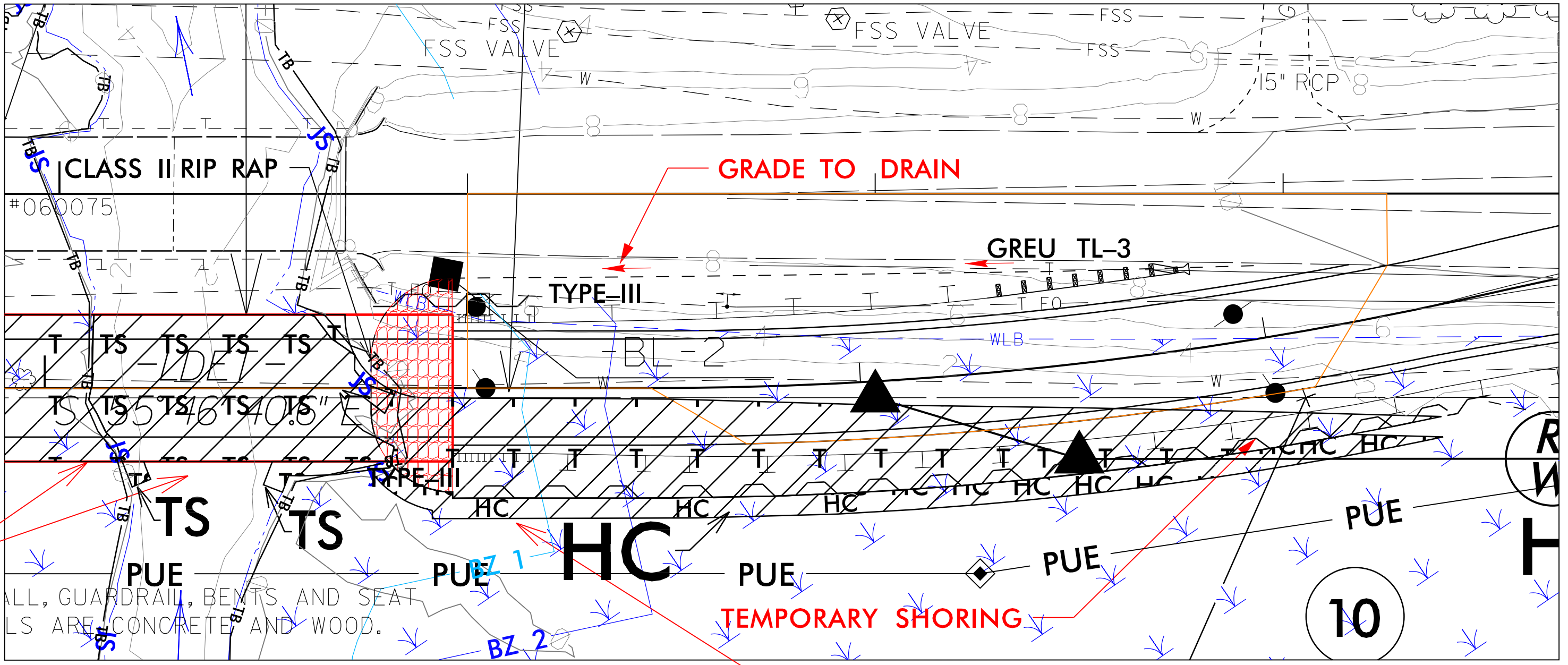
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SHEET 6 OF 30



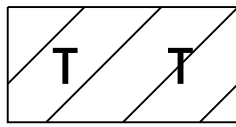


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WETLAND AND
SURFACE WATER
IMPACTS

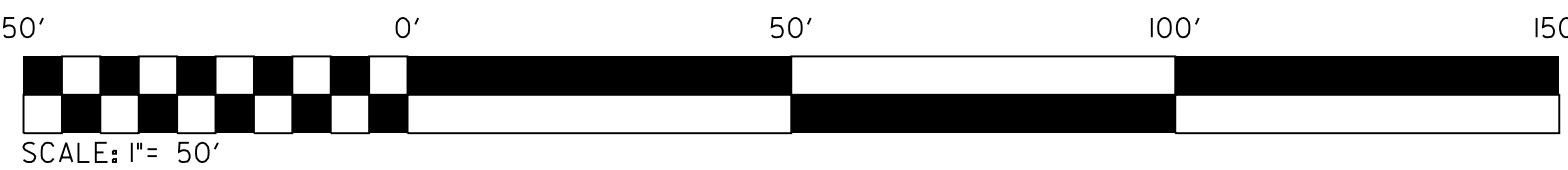
SITE 4
WETLAND AND SURFACE WATER IMPACTS



SITE 2
WETLAND AND
SURFACE WATER
IMPACTS

SITE 4
WETLAND AND SURFACE WATER IMPACTS

-  TEMPORARY FILL IN WETLAND
-  TEMPORARY SURFACE WATER IMPACTS
-  HAND CLEARING

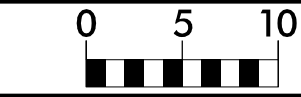


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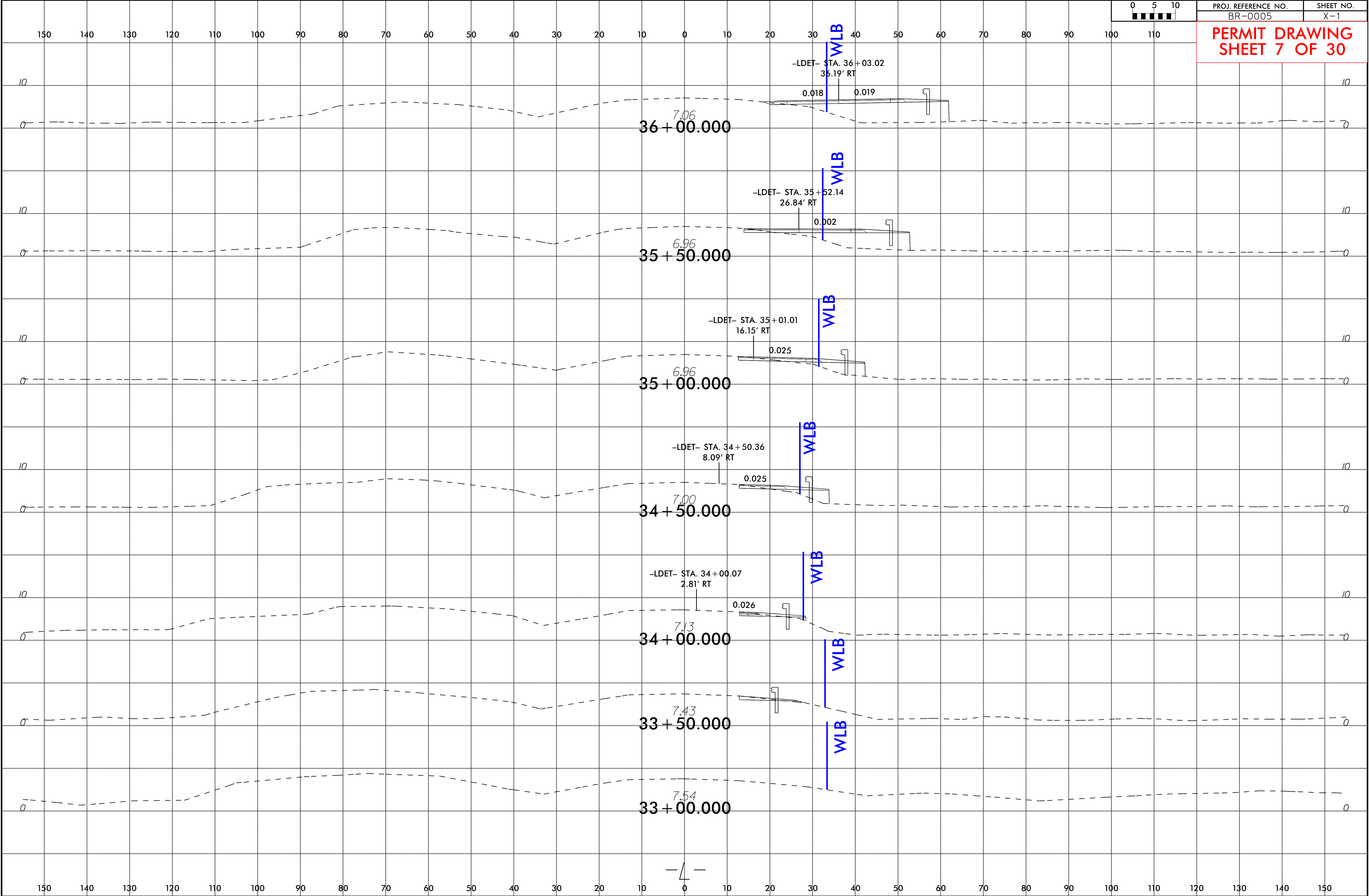
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BR-0005	X-1

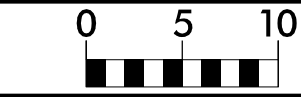
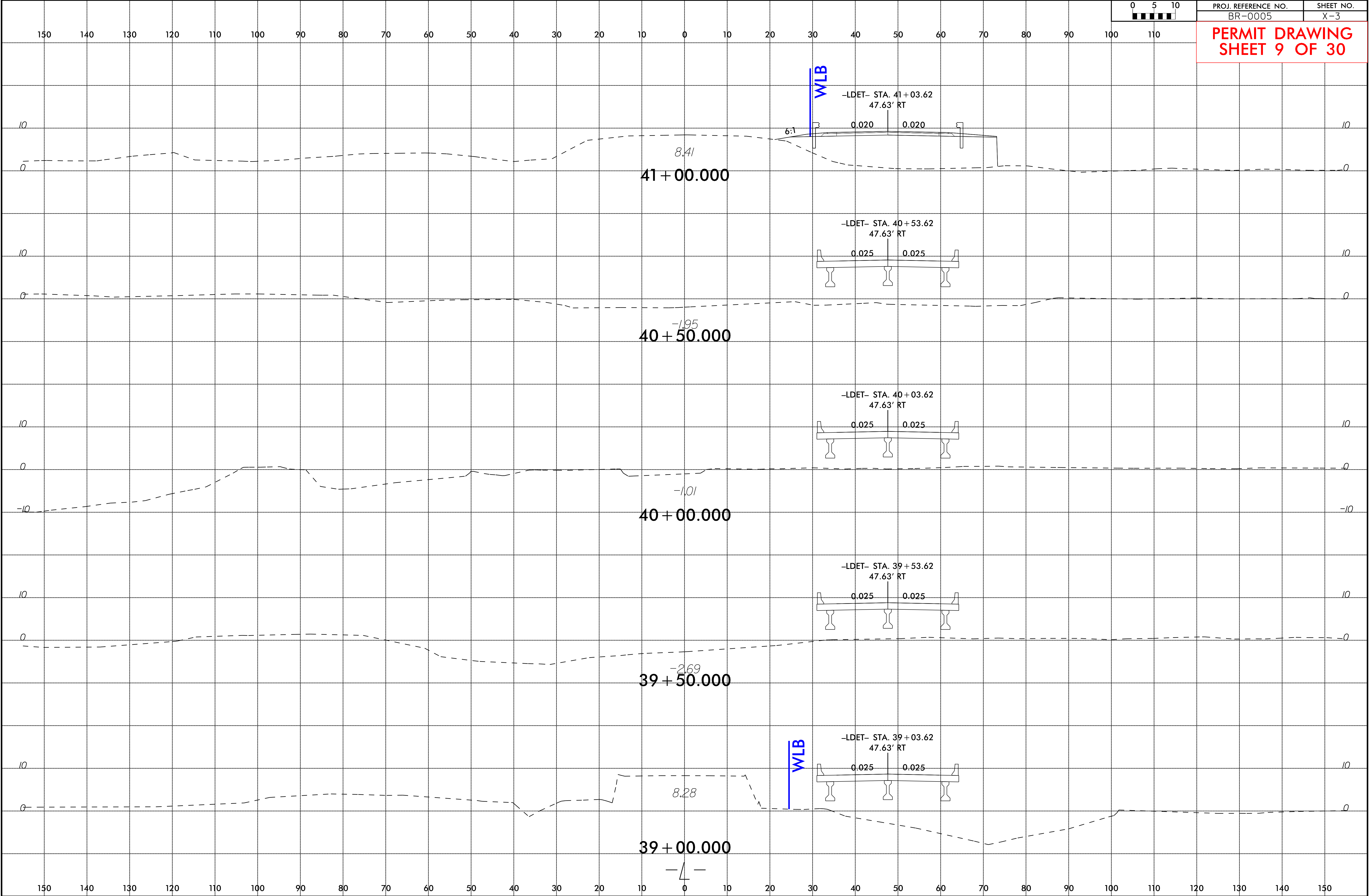
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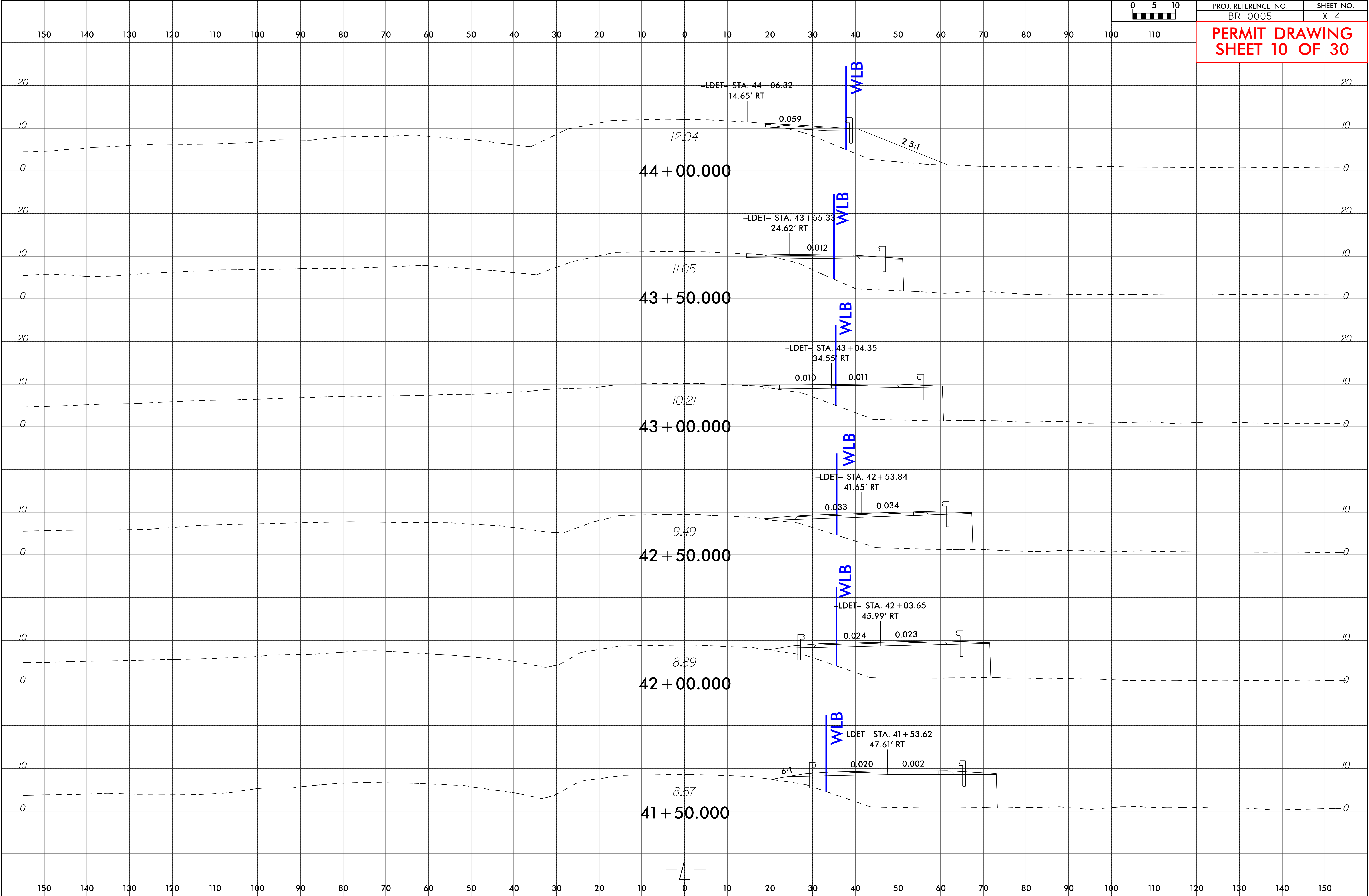


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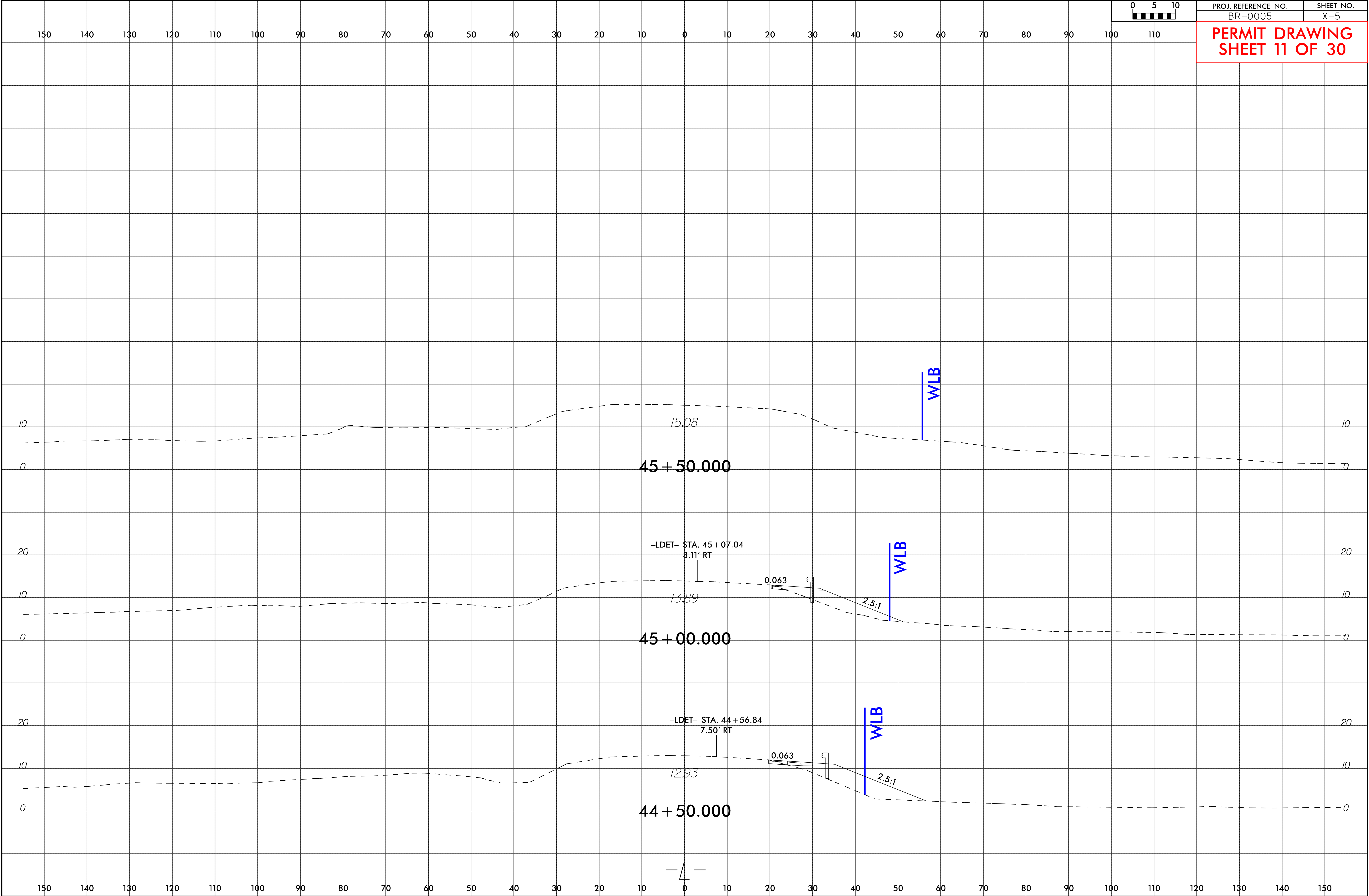
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6/23/16

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WETLAND AND SURFACE WATER IMPACTS PERMIT

PROJECT REFERENCE NO.
BR-0005

SHEET NO.
4

RW SHEET NO.

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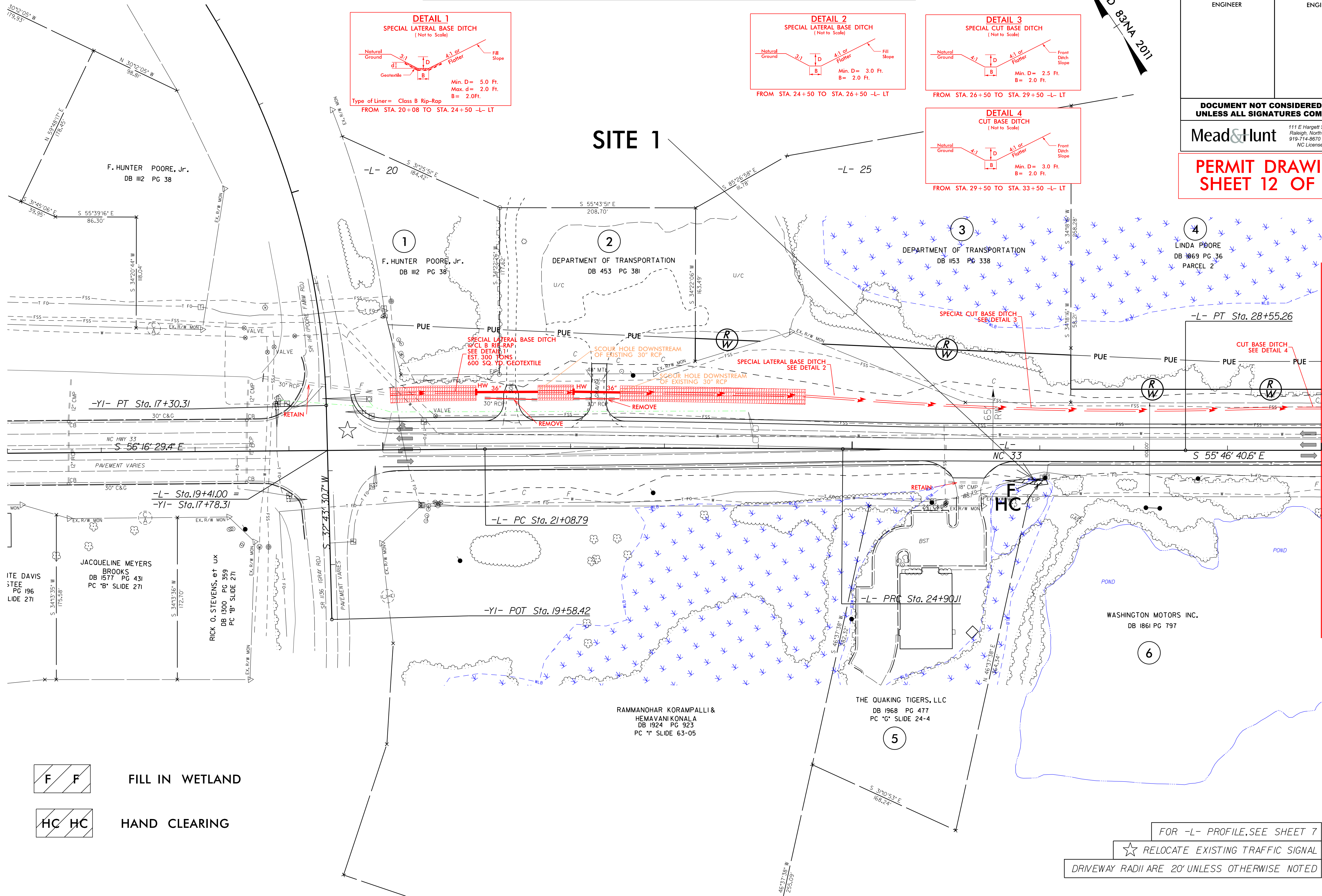
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PERMIT DRAWING
SHEET 12 OF 30



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WETLAND AND SURFACE WATER IMPACTS PERMIT

PROJECT REFERENCE NO.
BR-0005

SHEET NO.
4

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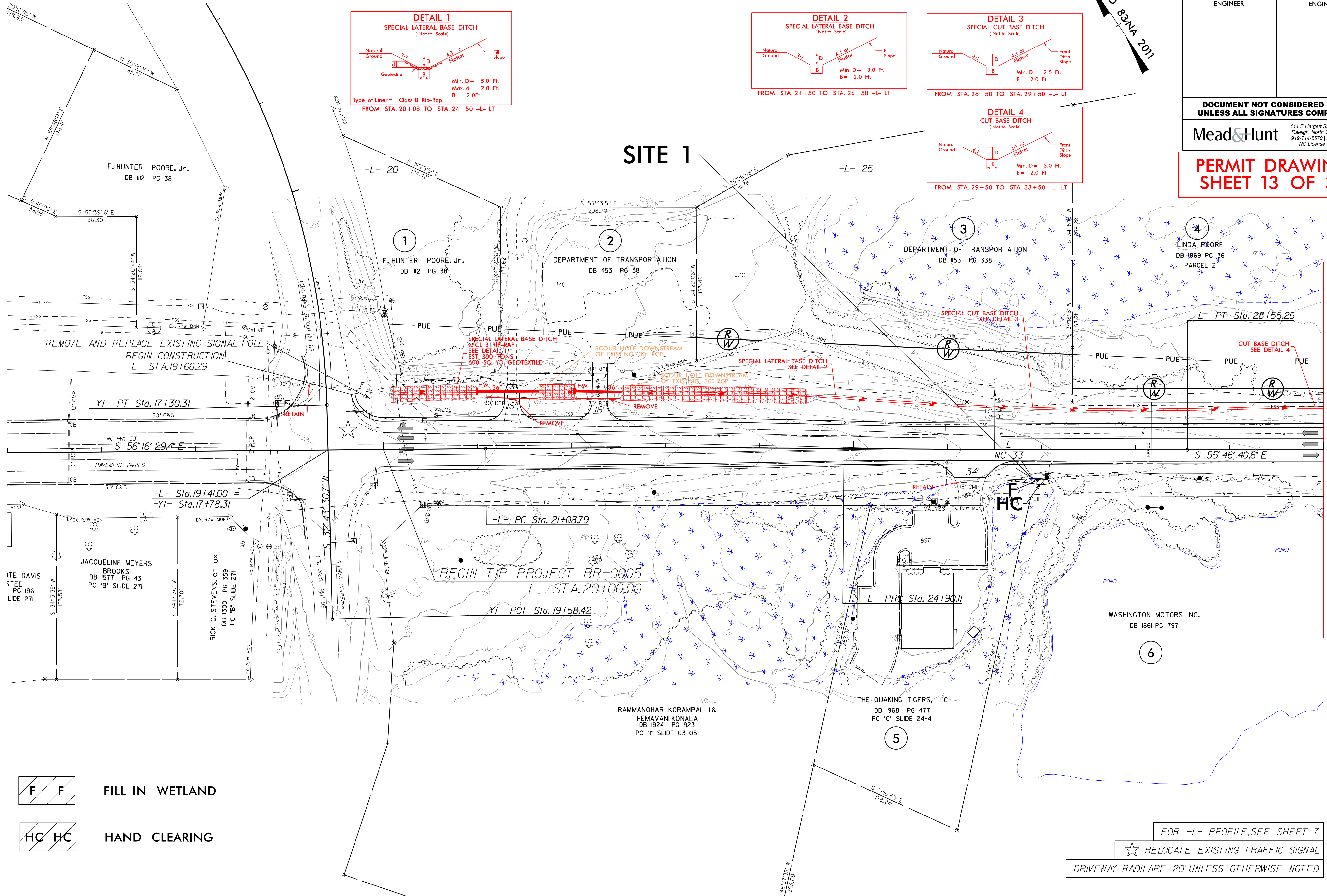
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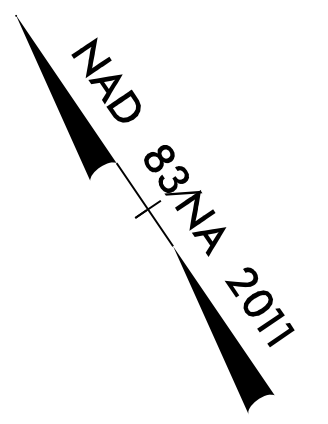
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SHEET 13 OF 30

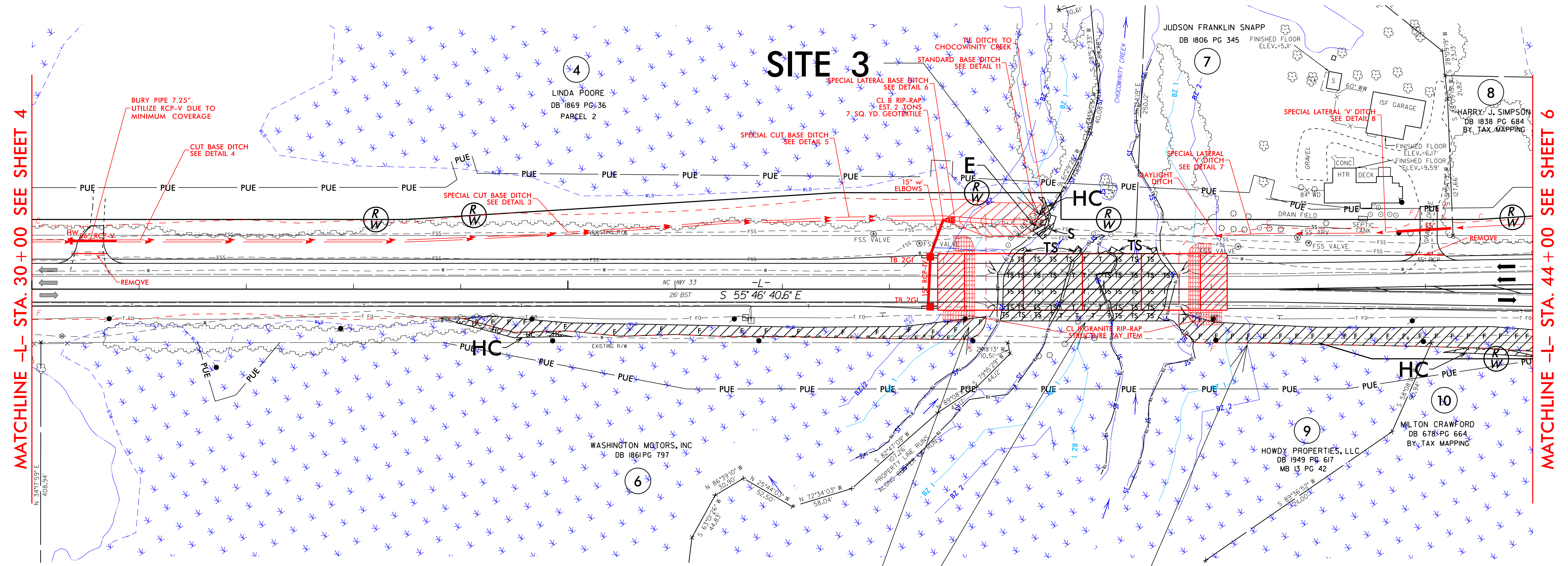
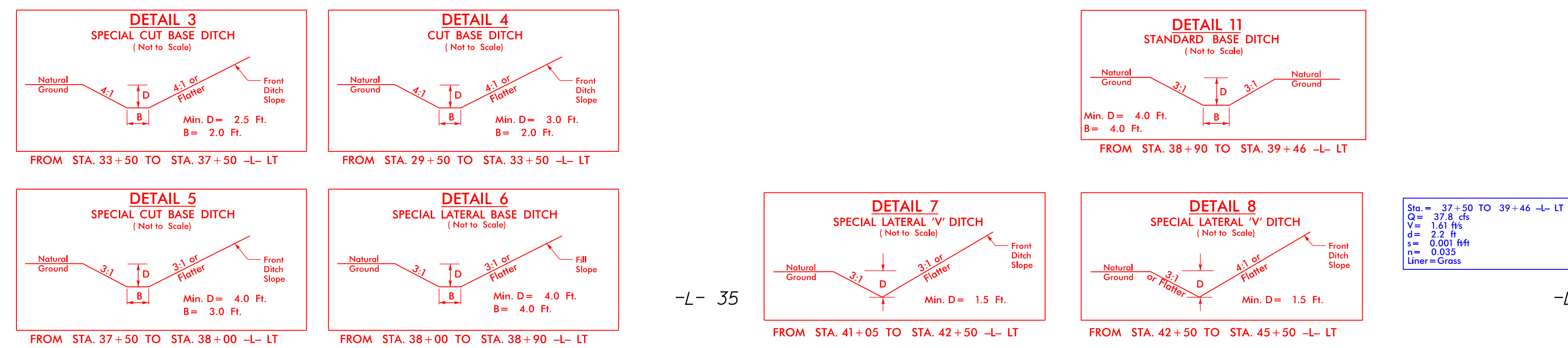




WETLAND AND SURFACE WATER IMPACTS PERMIT



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PERMIT DRAWING SHEET 16 OF 30		



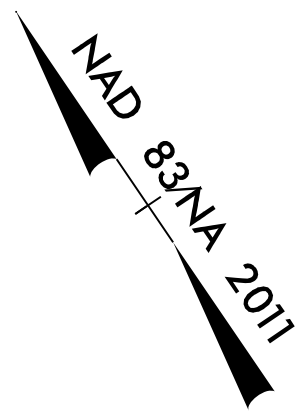
- FILL IN WETLAND
- TEMPORARY FILL IN WETLAND
- WETLAND EXCAVATION
- HAND CLEARING
- TEMPORARY SURFACE WATER IMPACTS

NOTE: NO MORE THAN 50% OF THE STREAM CHANNEL SHALL BE BLOCKED AT ANY TIME DURING CONSTRUCTION/DEMOLITION

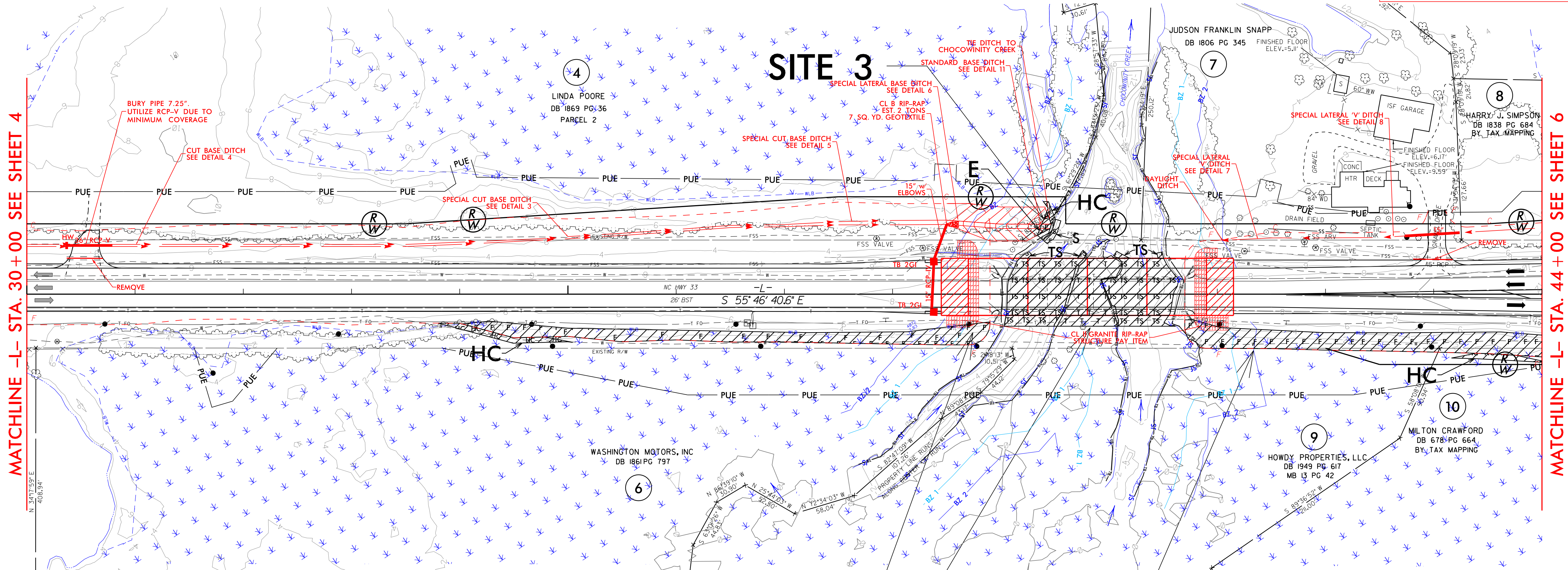
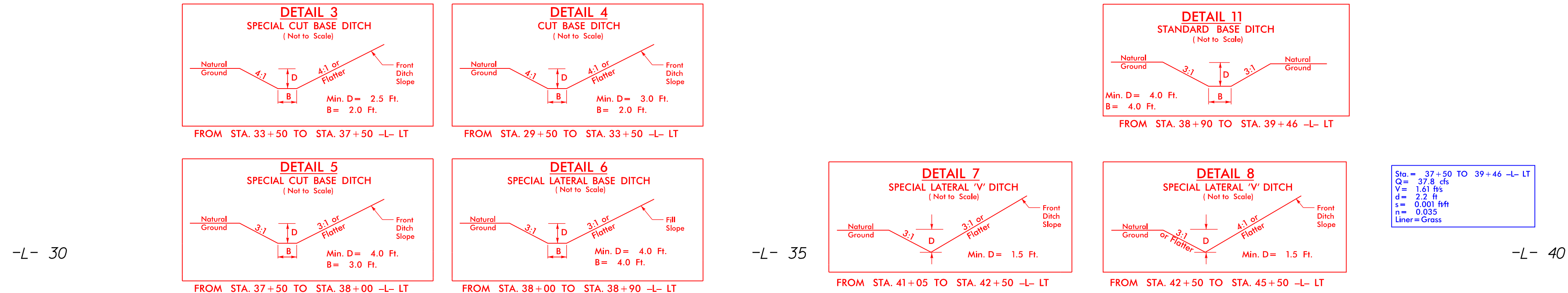
FOR -L- PROFILE, SEE SHEET 7
BRIDGE APPROACH SLAB
FOR DETOUR DESIGN, SEE SHEET 2B-I
DRIVEWAY RADII ARE 20' UNLESS OTHERWISE NOTED

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2299btf

WETLAND AND SURFACE WATER IMPACTS PERMIT



PROJECT REFERENCE NO. BR-0005		SHEET NO. 5	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
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PERMIT DRAWING SHEET 17 OF 30			



- FILL IN WETLAND
- TEMPORARY FILL IN WETLAND
- WETLAND EXCAVATION
- HAND CLEARING
- TEMPORARY SURFACE WATER IMPACTS

NOTE: NO MORE THAN 50% OF THE STREAM CHANNEL SHALL BE BLOCKED AT ANY TIME DURING CONSTRUCTION/DEMOLITION

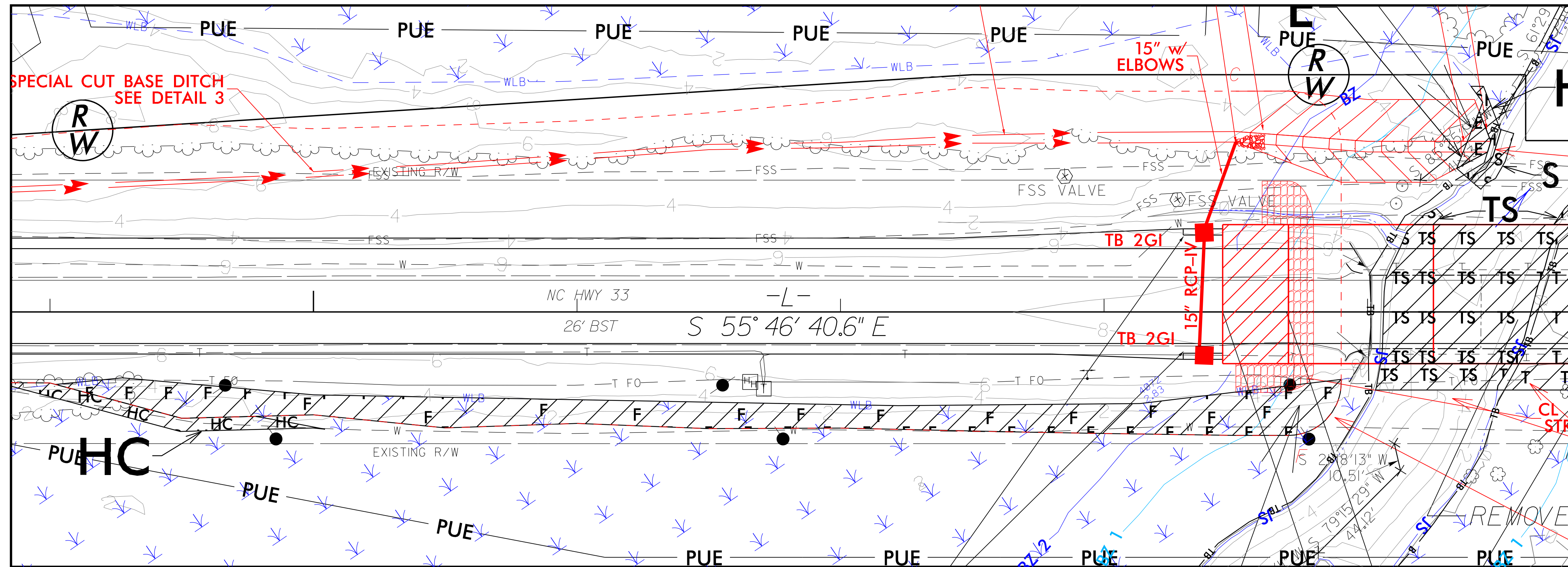
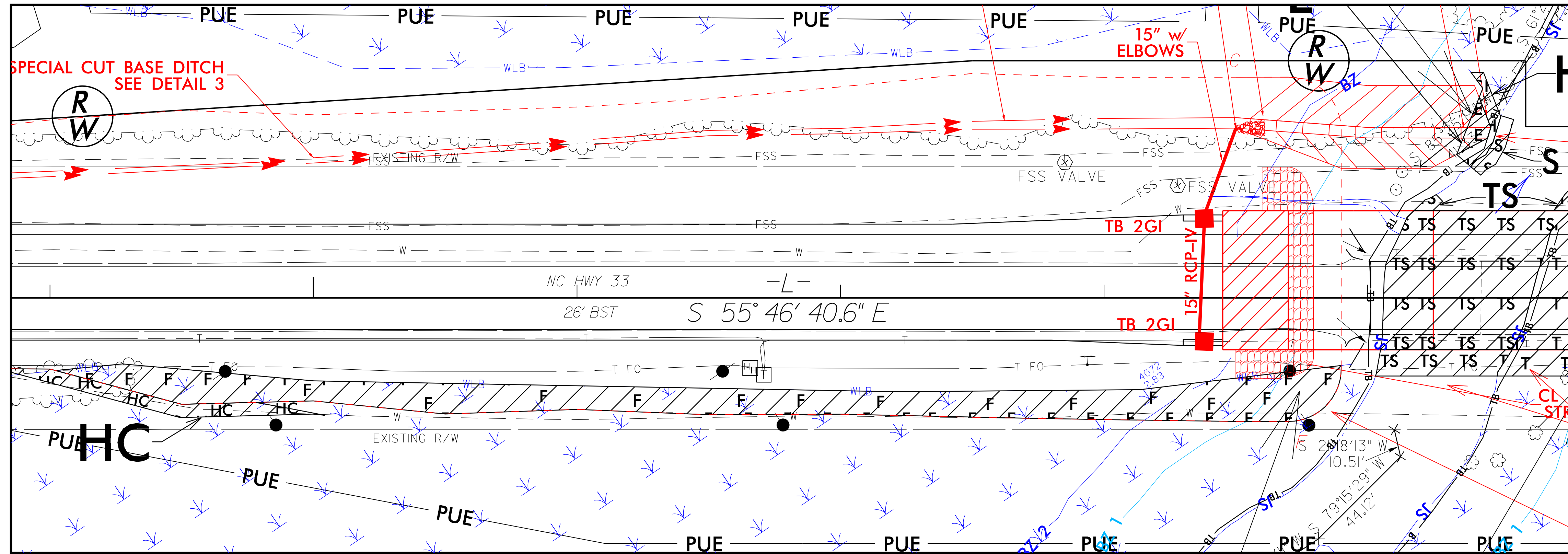
FOR -L- PROFILE, SEE SHEET 7
BRIDGE APPROACH SLAB
FOR DETOUR DESIGN, SEE SHEET 2B-I
DRIVEWAY RADII ARE 20' UNLESS OTHERWISE NOTED

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8/17/99

REVISIONS

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FILL IN WETLAND



TEMPORARY SURFACE WATER IMPACTS



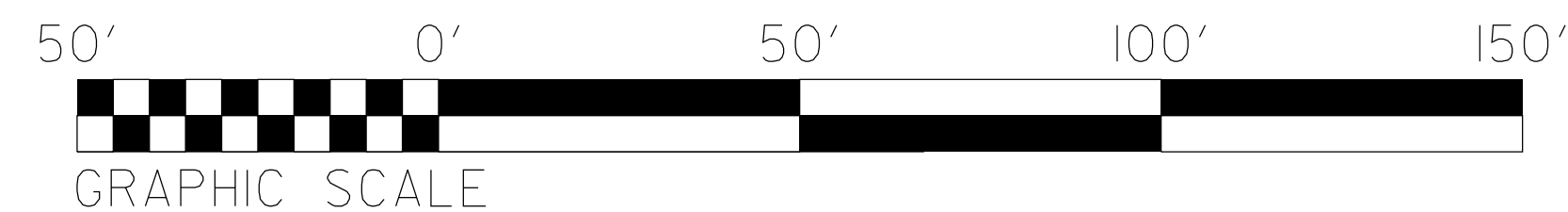
HAND CLEARING



TEMPORARY FILL IN WETLAND



WETLAND EXCAVATION



PROJECT REFERENCE NO. <i>BR-0005</i>		SHEET NO. <i>5-INSET A</i>	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
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PERMIT DRAWING SHEET 18 OF 30			

SITE 3
WETLAND
IMPACTS

SITE 2
WETLAND AND
SURFACE WATER
IMPACTS

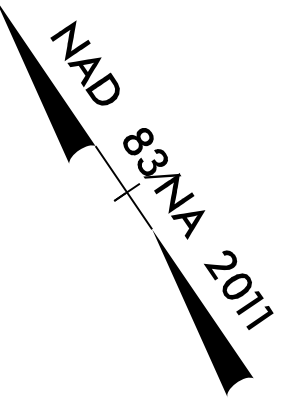
SITE 4
WETLAND
IMPACTS

SITE 3
WETLAND
IMPACTS

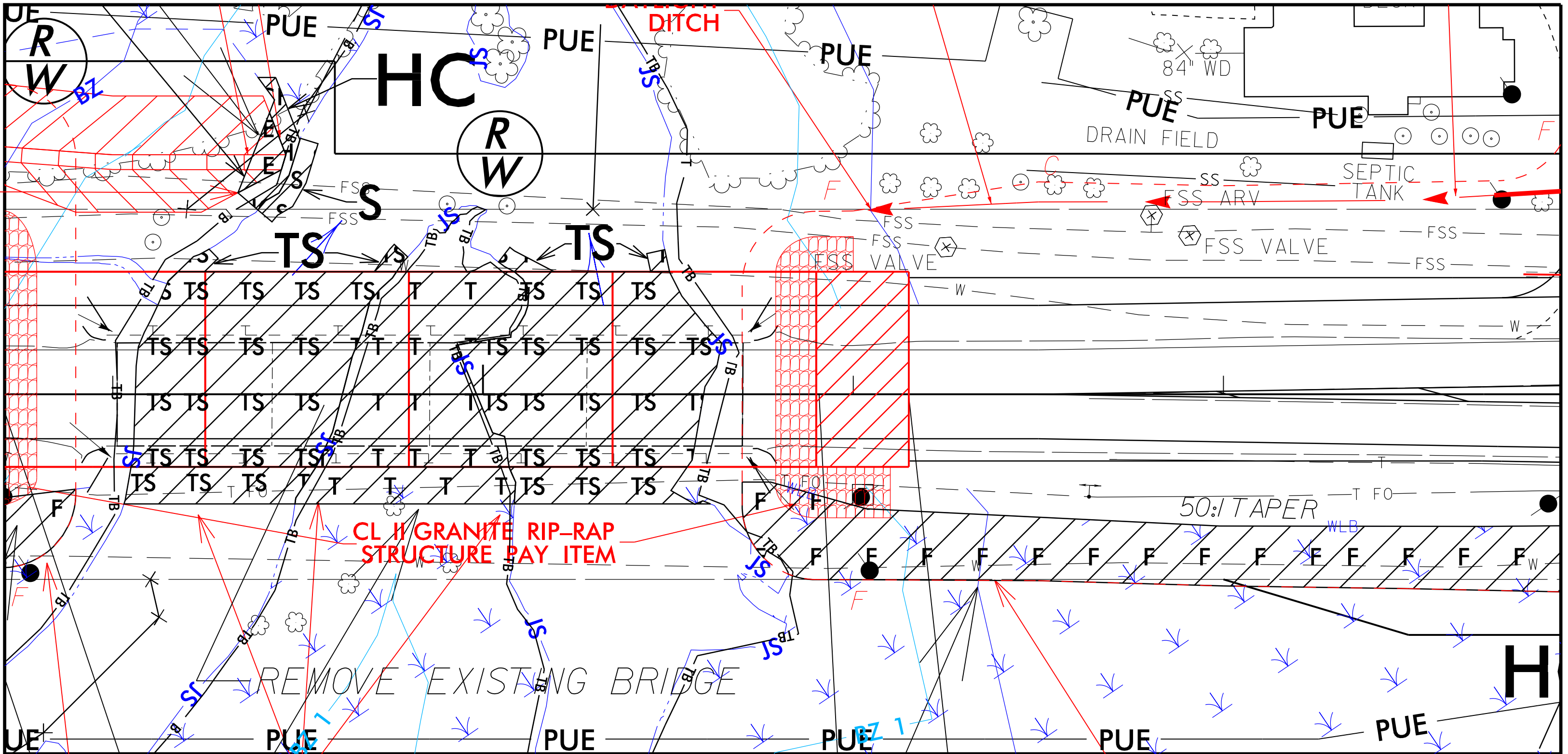
SITE 2
WETLAND AND
SURFACE WATER
IMPACTS

SITE 4
WETLAND
IMPACTS

PROJECT REFERENCE NO.	SHEET NO.
BR-0005	5-INSET B
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
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PERMIT DRAWING SHEET 19 OF 30	



SITE 3
WETLAND
IMPACTS

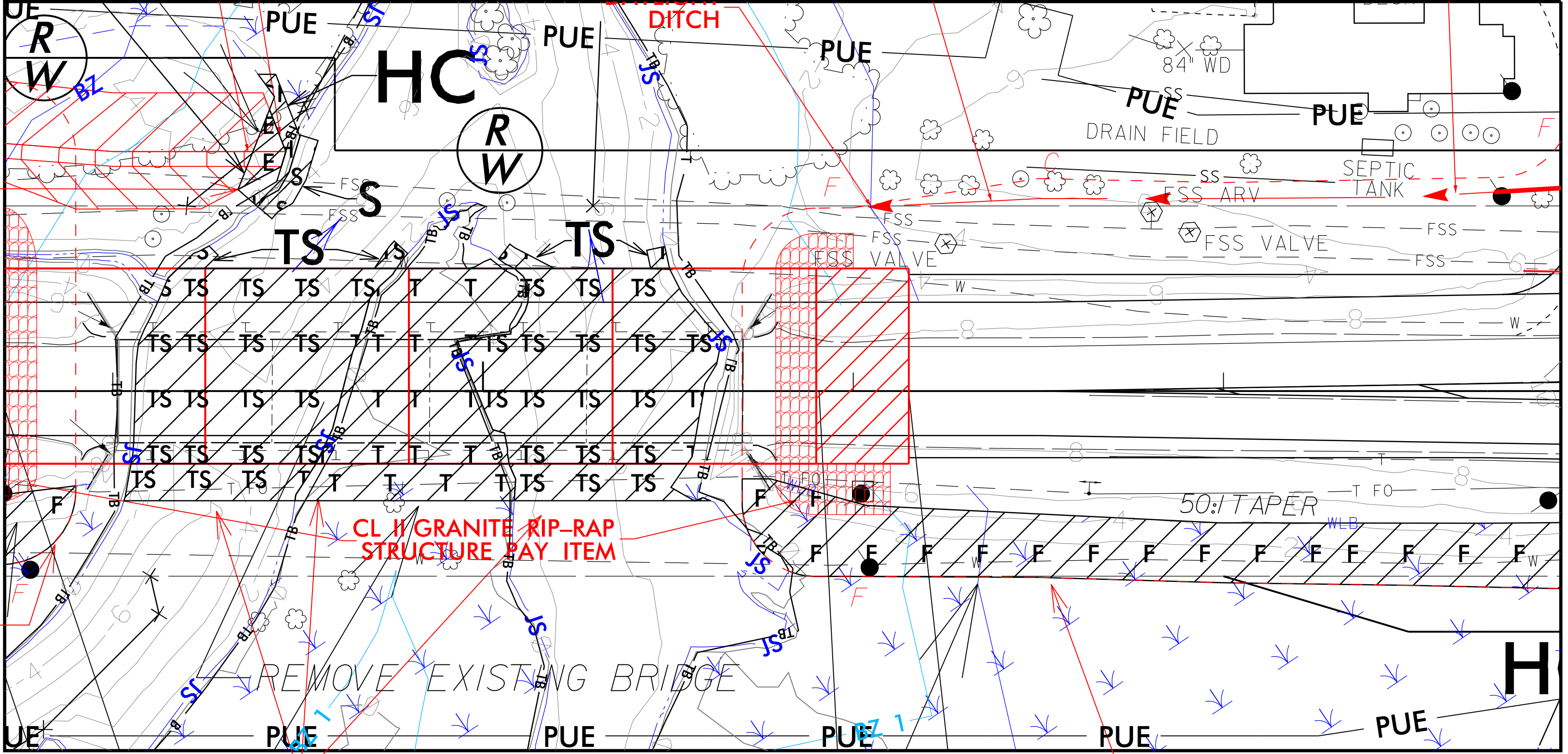


SITE 4
WETLAND
IMPACTS

SITE 2
WETLAND AND SURFACE WATER IMPACTS

SITE 4
WETLAND IMPACTS

SITE 3
WETLAND
IMPACTS



SITE 4
WETLAND
IMPACTS

SITE 2
WETLAND AND SURFACE WATER IMPACTS

SITE 4
WETLAND IMPACTS



FILL IN WETLAND



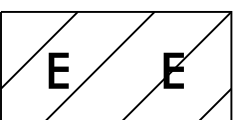
TEMPORARY SURFACE WATER IMPACTS



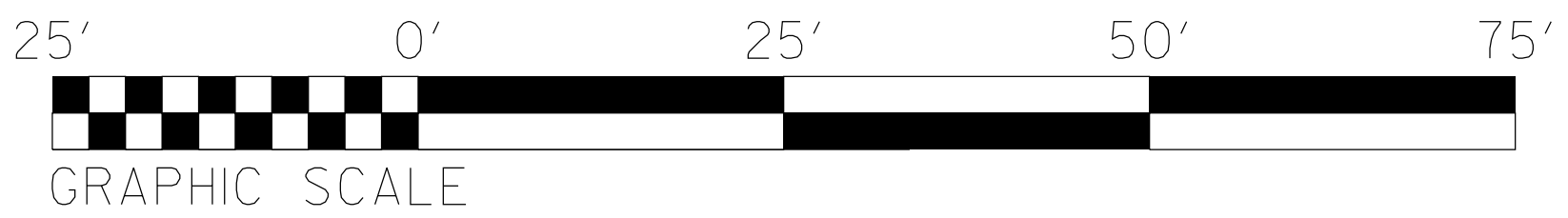
HAND CLEARING



TEMPORARY FILL IN WETLAND



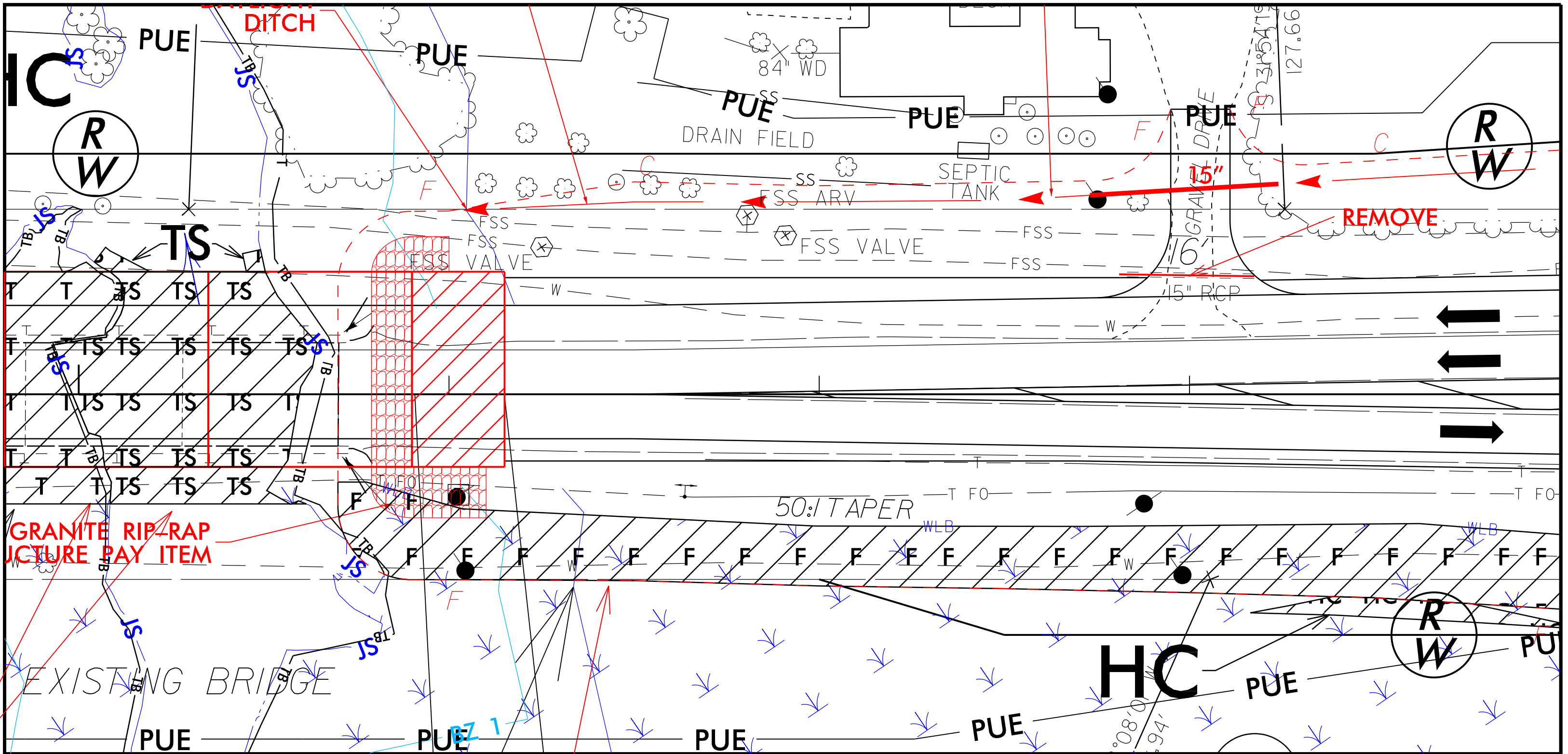
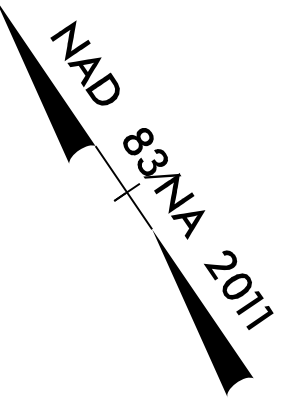
WETLAND EXCAVATION



REVISIONS

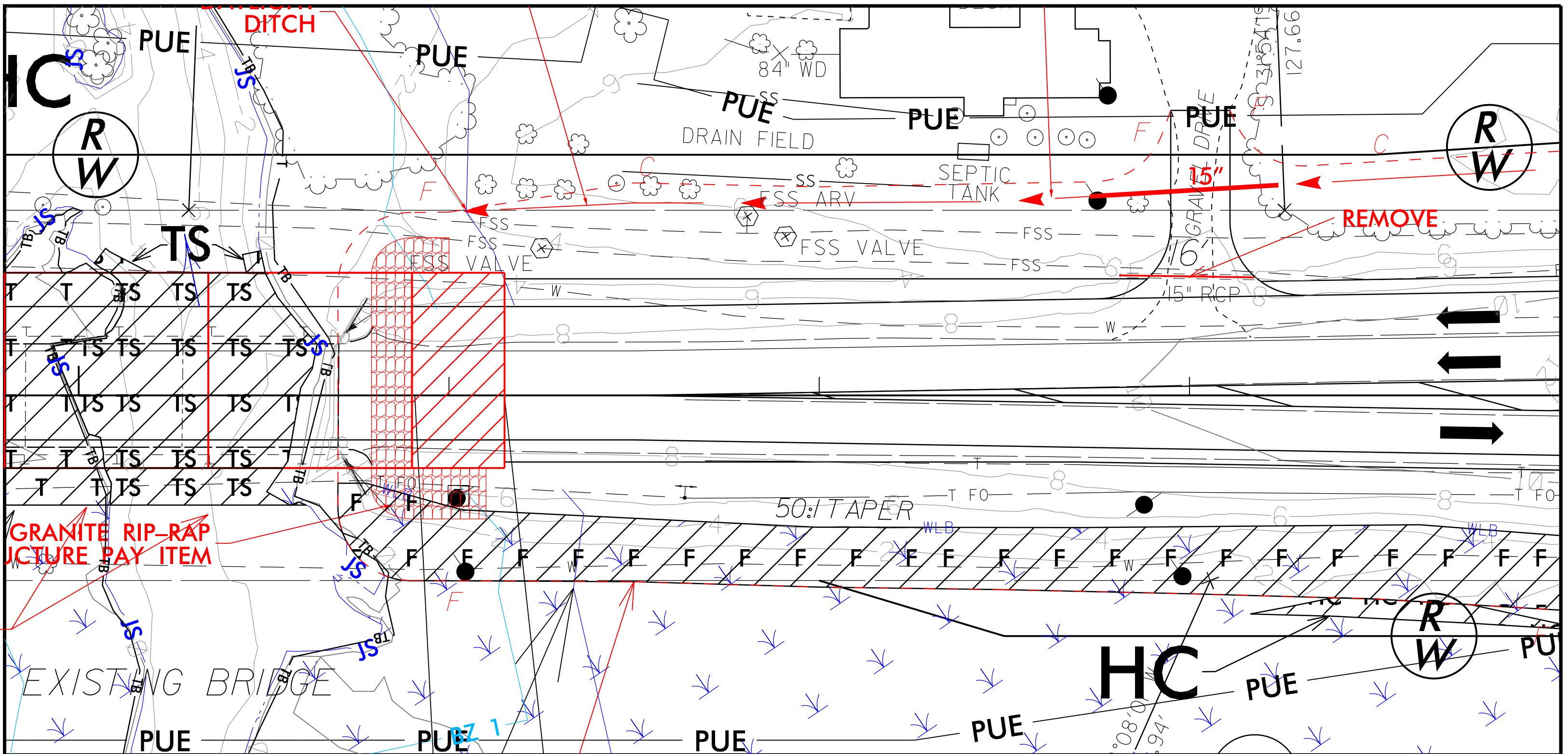
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2299bts

PROJECT REFERENCE NO.	SHEET NO.
BR-0005	5-INSET C
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
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PERMIT DRAWING SHEET 20 OF 30	



SITE 2
WETLAND AND
SURFACE WATER
IMPACTS

SITE 4
WETLAND IMPACTS



SITE 2
WETLAND AND
SURFACE WATER
IMPACTS

SITE 4
WETLAND IMPACTS

- FF

FILL IN WETLAND

TS TS

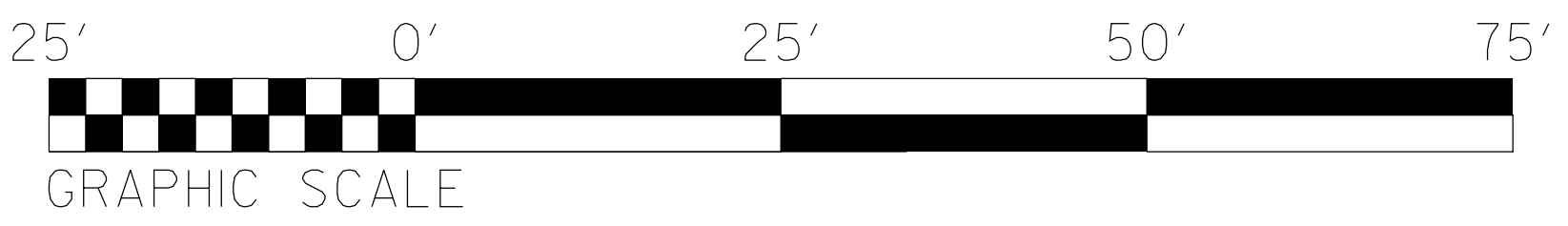
TEMPORARY SURFACE WATER IMPACTS

HC HC

HAND CLEARING

TT

TEMPORARY FILL IN WETLAND



REVISIONS

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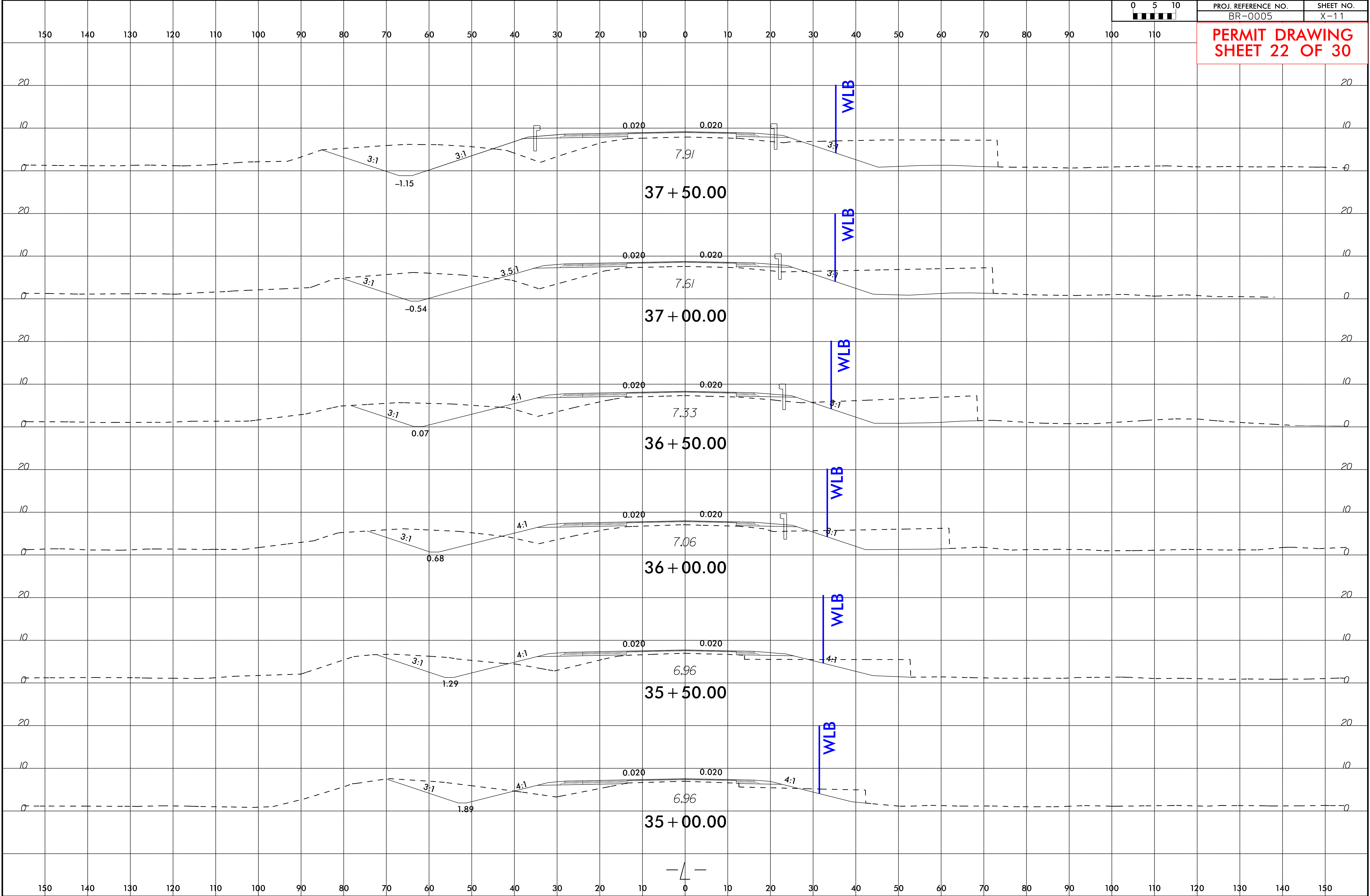
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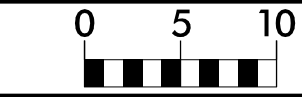


PROJ. REFERENCE NO.	SHEET NO.
BR-0005	X-11

PERMIT DRAWING
SHEET 22 OF 30

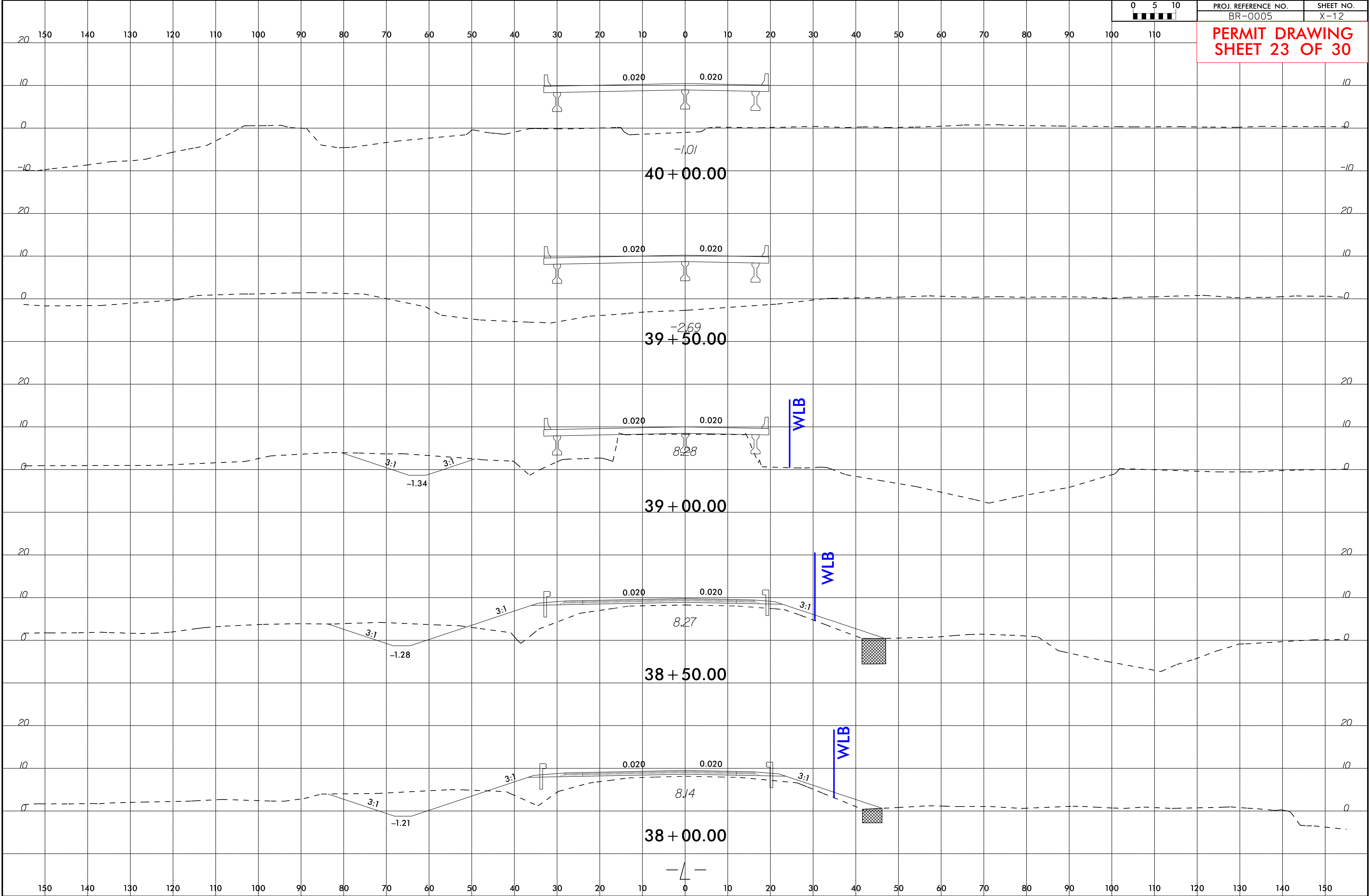


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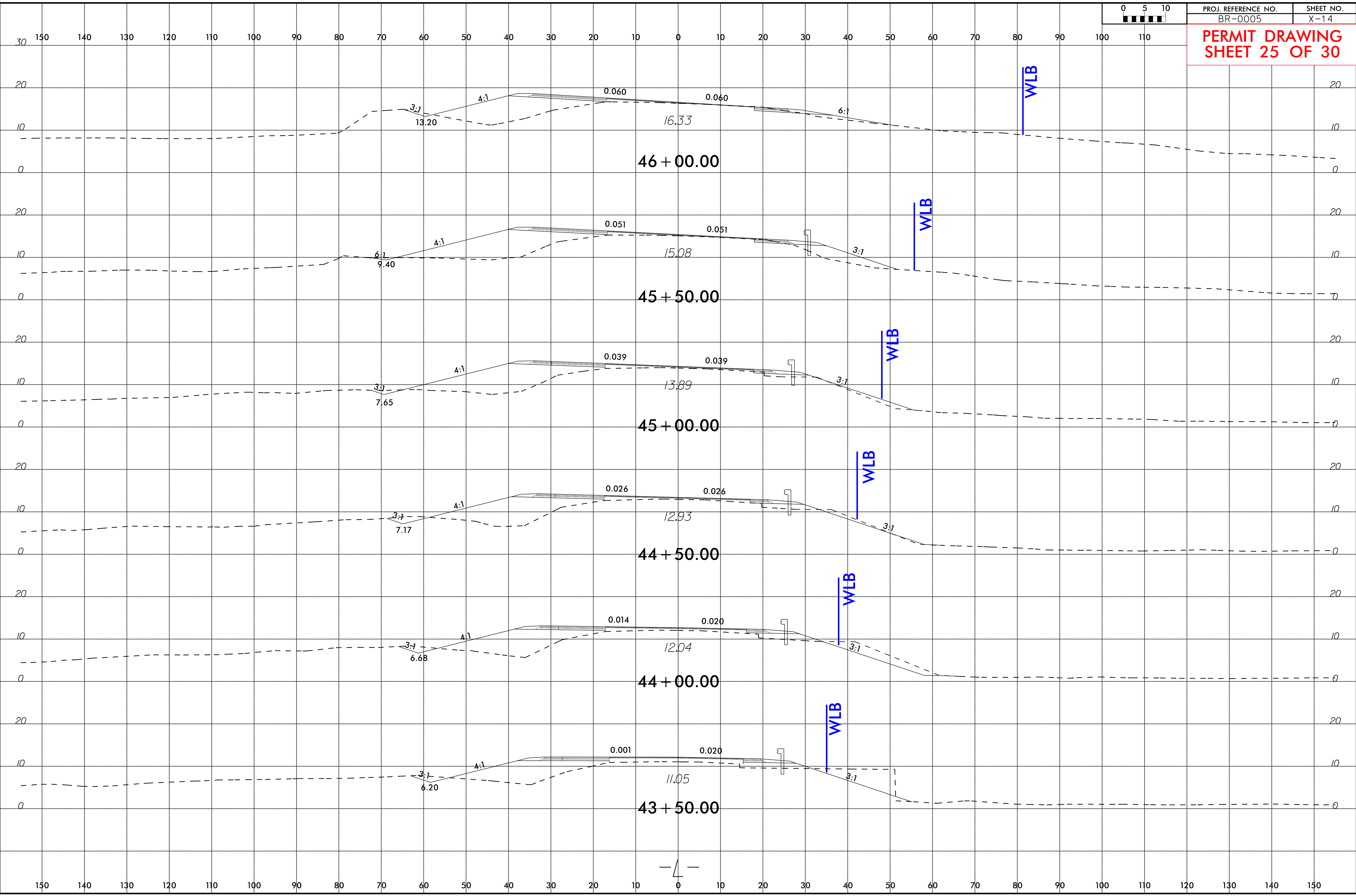
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BR-0005	X-12

PERMIT DRAWING
SHEET 23 OF 30

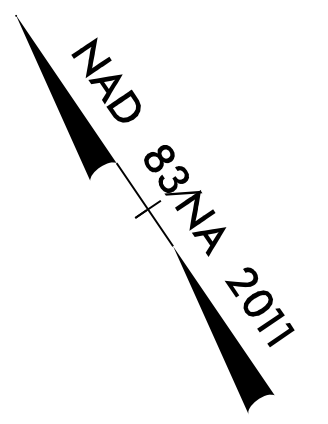




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WETLAND AND SURFACE WATER IMPACTS PERMIT

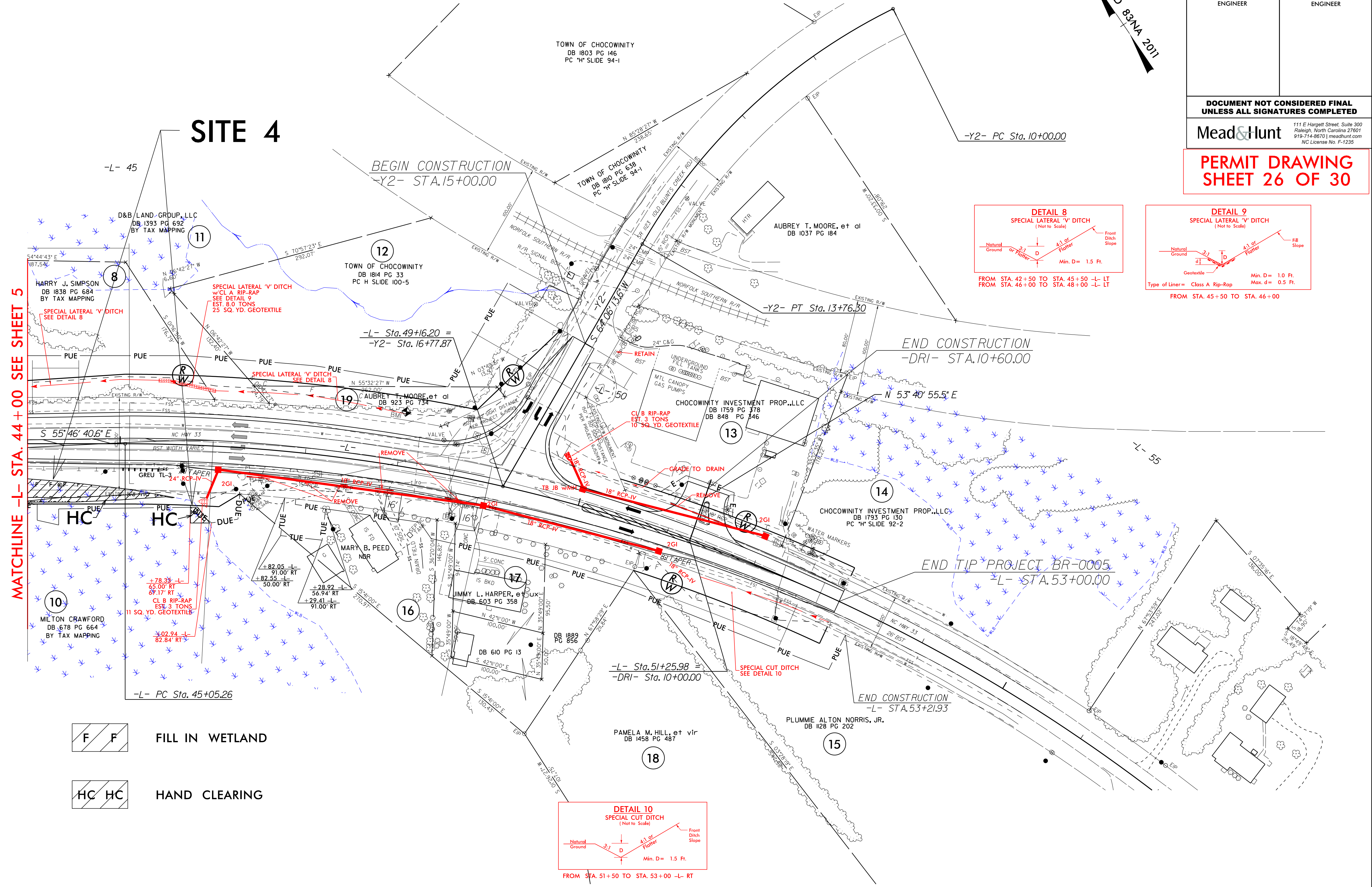


PROJECT REFERENCE NO.		SHEET NO.
BR-0005		6
RW SHEET NO.		
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER
<div>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</div>		
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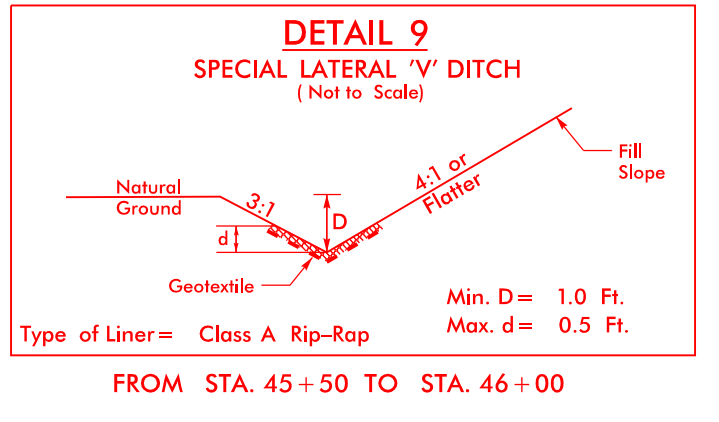
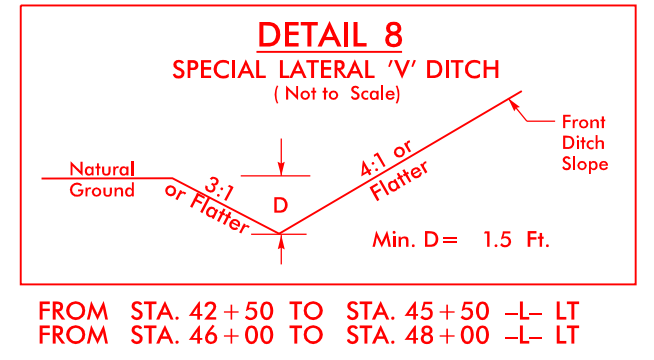
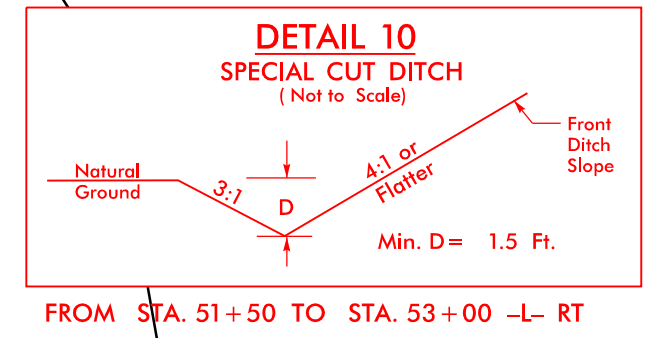
PERMIT DRAWING
SHEET 26 OF 30

SITE 4

MATCHLINE -L- STA. 44+00 SEE SHEET 5



- F F FILL IN WETLAND
- HC HC HAND CLEARING



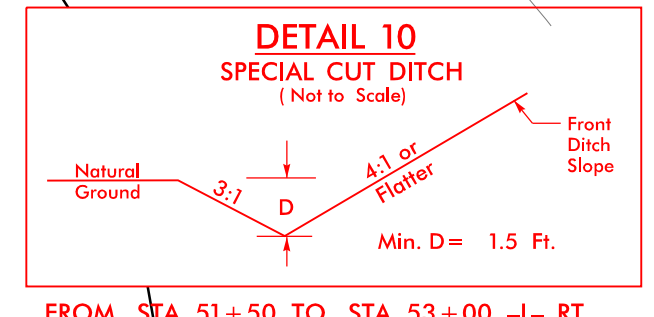
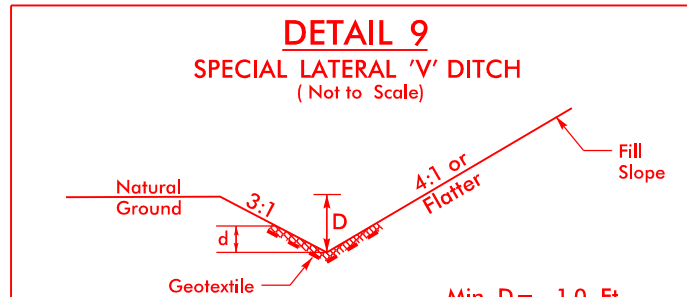
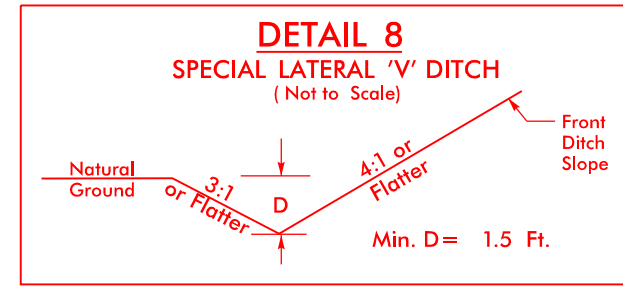
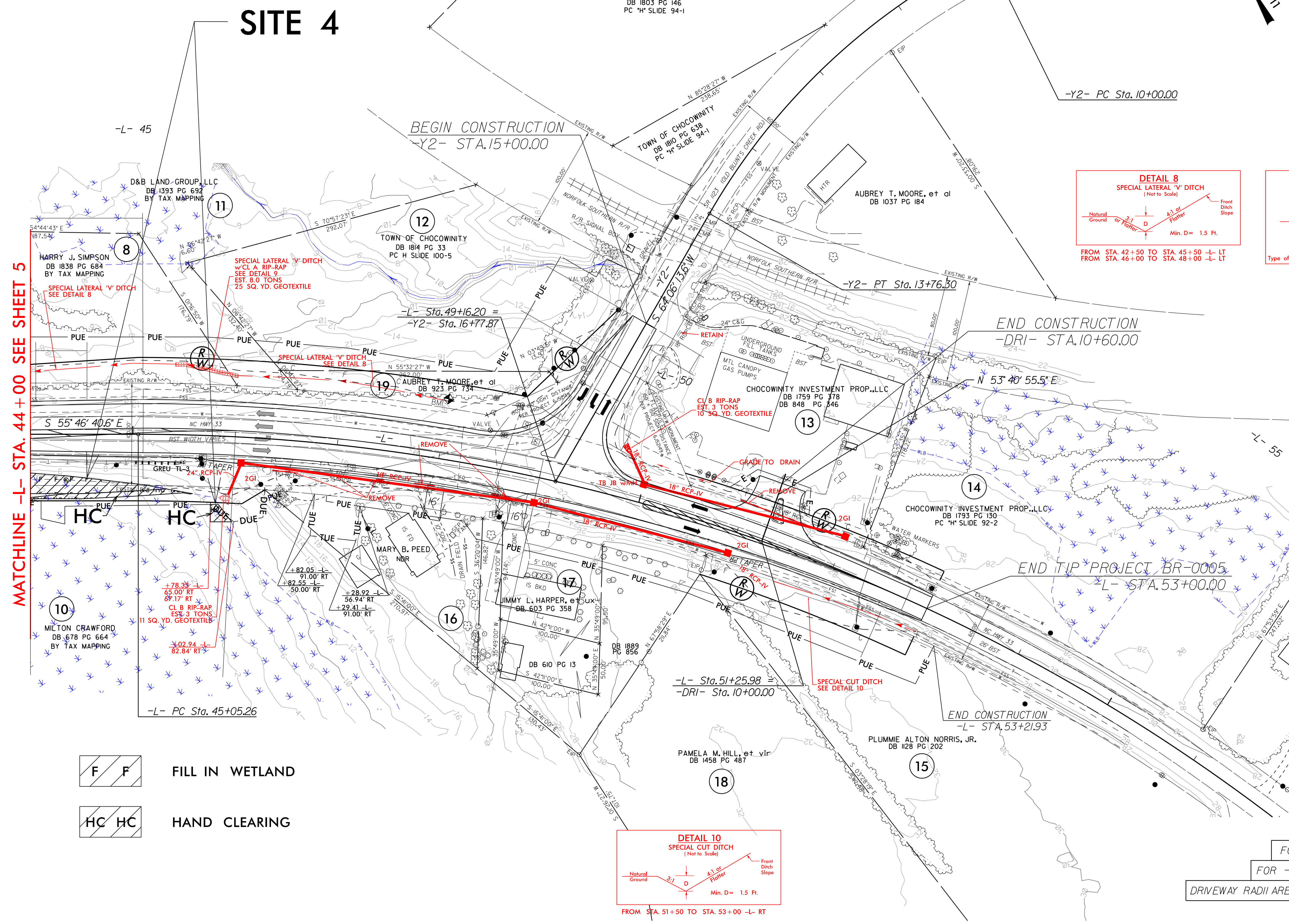
REVISIONS

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WETLAND AND SURFACE WATER IMPACTS PERMIT

PROJECT REFERENCE NO.		SHEET NO.
BR-0005		6
RW SHEET NO.		
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER
<div>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</div>		
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PERMIT DRAWING
SHEET 27 OF 30



F F FILL IN WETLAND

HC HC HAND CLEARING

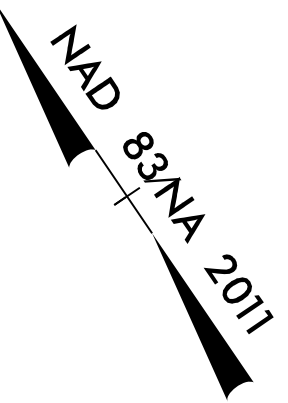
FOR -Y2- PROFILE, SEE SHEET 8

FOR -L- PROFILE, SEE SHEETS 7 & 8

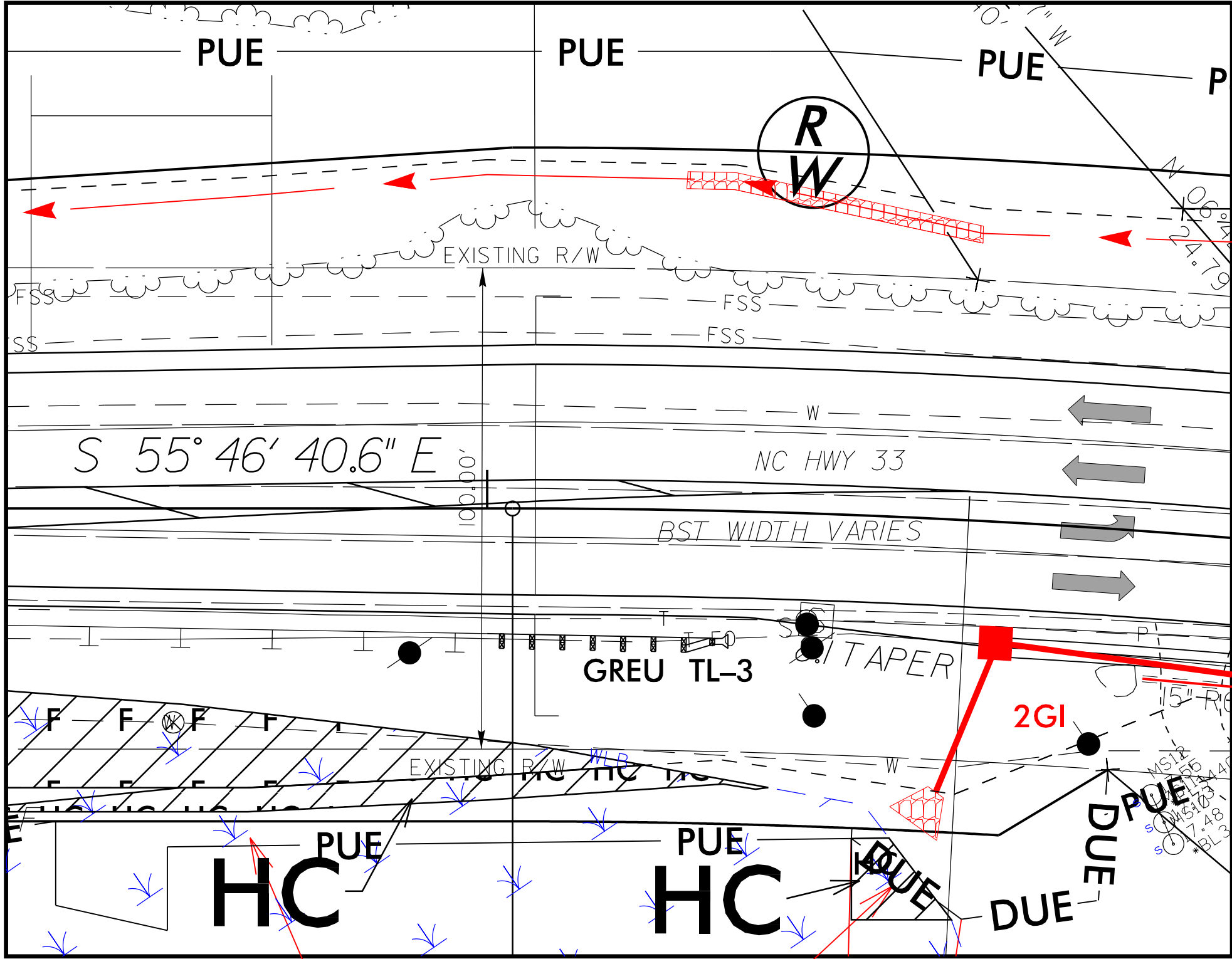
DRIVEWAY RADII ARE 20' UNLESS OTHERWISE NOTED.

REVISIONS

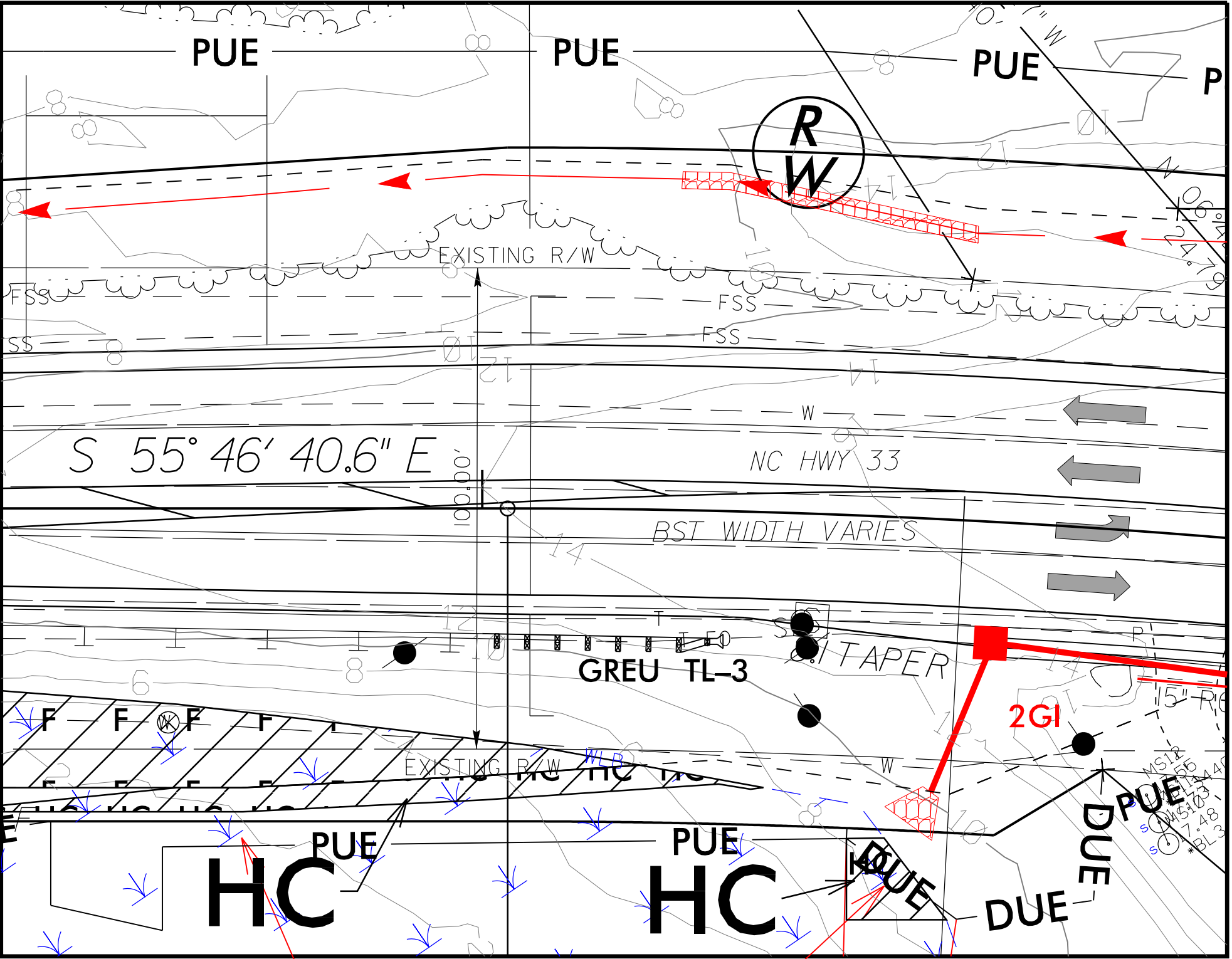
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PROJECT REFERENCE NO.		SHEET NO.	
BR-0005		6-INSET	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
<div>INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION</div>			
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
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PERMIT DRAWING SHEET 28 OF 30			

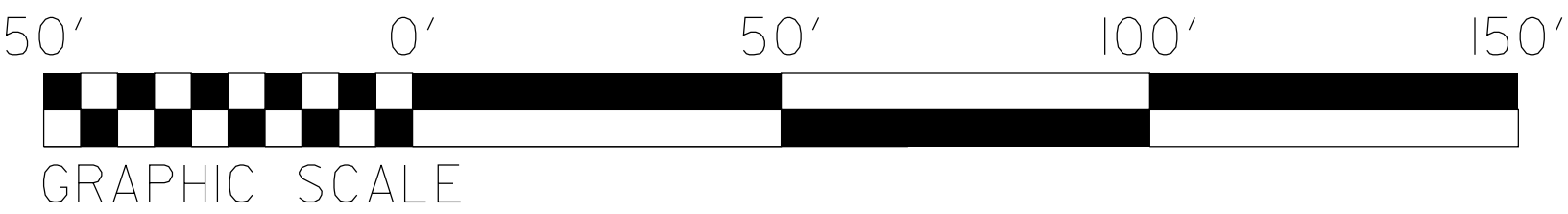


SITE 4
WETLAND IMPACTS



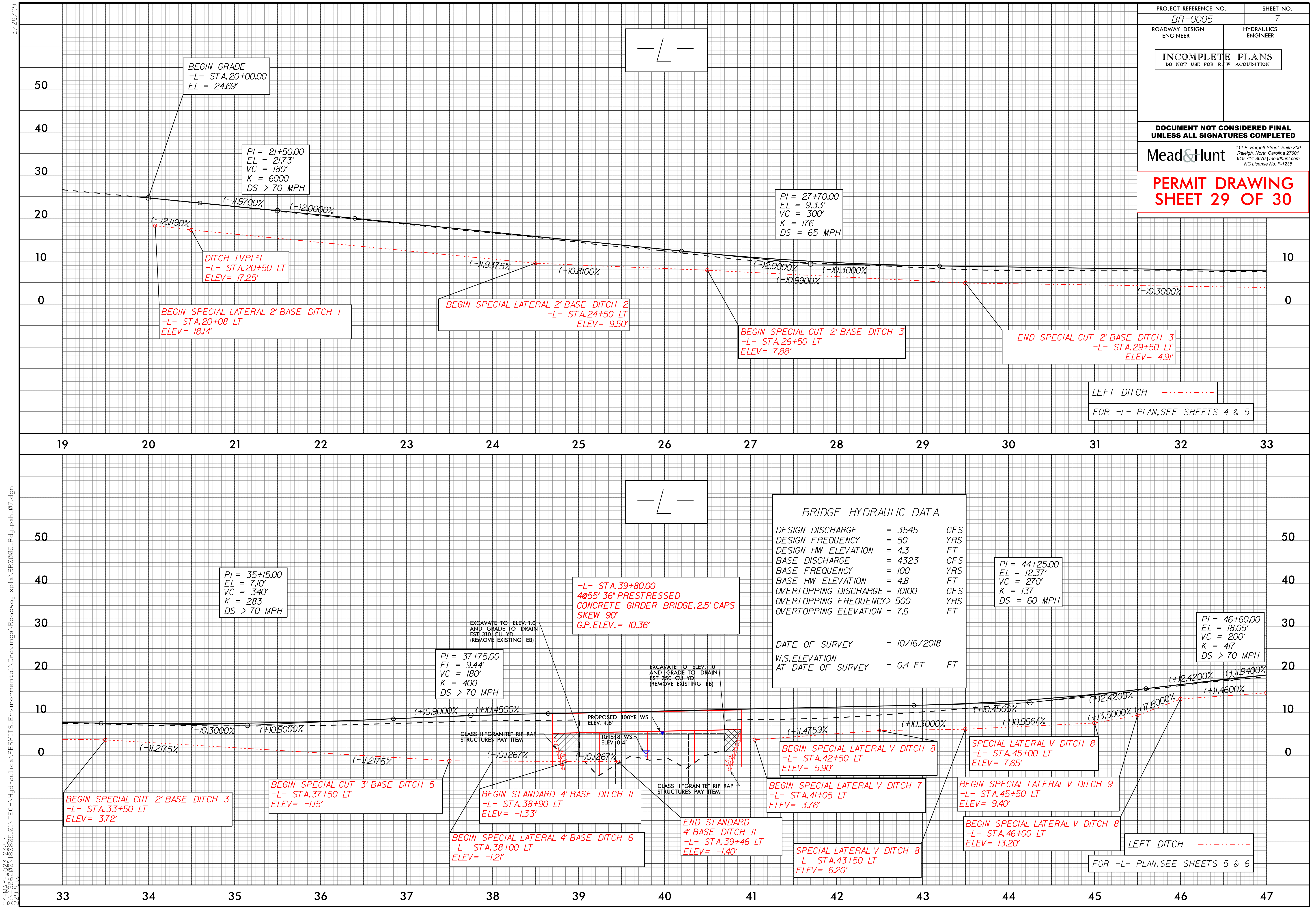
SITE 4
WETLAND IMPACTS

-  F F FILL IN WETLAND
-  HC HC HAND CLEARING



REVISIONS

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PROJECT REFERENCE NO.
BR-0005

SHEET NO.
7

ROADWAY DESIGN ENGINEER

HYDRAULICS ENGINEER

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

DOCUMENT NOT CONSIDERED FINAL
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PERMIT DRAWING
SHEET 29 OF 30

WETLAND AND SURFACE WATER IMPACTS SUMMARY

Site No.	Station (From/To)	Structure Size / Type	WETLAND IMPACTS					SURFACE WATER IMPACTS				
			Permanent Fill In Wetlands (ac)	Temp. Fill In Wetlands (ac)	Excavation in Wetlands (ac)	Mechanized Clearing in Wetlands (ac)	Hand Clearing in Wetlands (ac)	Permanent SW impacts (ac)	Temp. SW impacts (ac)	Existing Channel Impacts Permanent (ft)	Existing Channel Impacts Temp. (ft)	Natural Stream Design (ft)
1	-L- 26+78 to 27+11 RT	Roadway	< 0.01				< 0.01					
2	-L- 39+05 to 40+64	Work Bridge		0.06					0.16		93	
3	-L- 39+34 to 39+51 LT	Roadway			< 0.01		< 0.01	< 0.01		23		
	-L- 39+18 to 40+50 LT	Bank Reconstruction							< 0.01		14	
4	-L- 33+80 to 45+50 RT	Roadway	0.29				0.03					
	-L- 45+75 to 45+98 RT	Roadway-Outfall Installation					< 0.01					
2	-LDET- 38+83 to 40+86 RT	Detour Bridge		0.06					0.10		77	
4	-LDET- 34+83 to 43+02 RT	Detour		0.31			0.07					
	-LDET- 38+79 to 40+85 RT	Bank Reconstruction							< 0.01		31	
TOTALS*:			0.29	0.42	< 0.01		0.12	< 0.01	0.26	23	215	0

*Rounded totals are sum of actual impacts

NOTES:

Bents in open water - 48 SF

Bent in wetlands - 24 SF

NC DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

11/8/2023

BEAUFORT COUNTY

BR-0005

67005.1.1

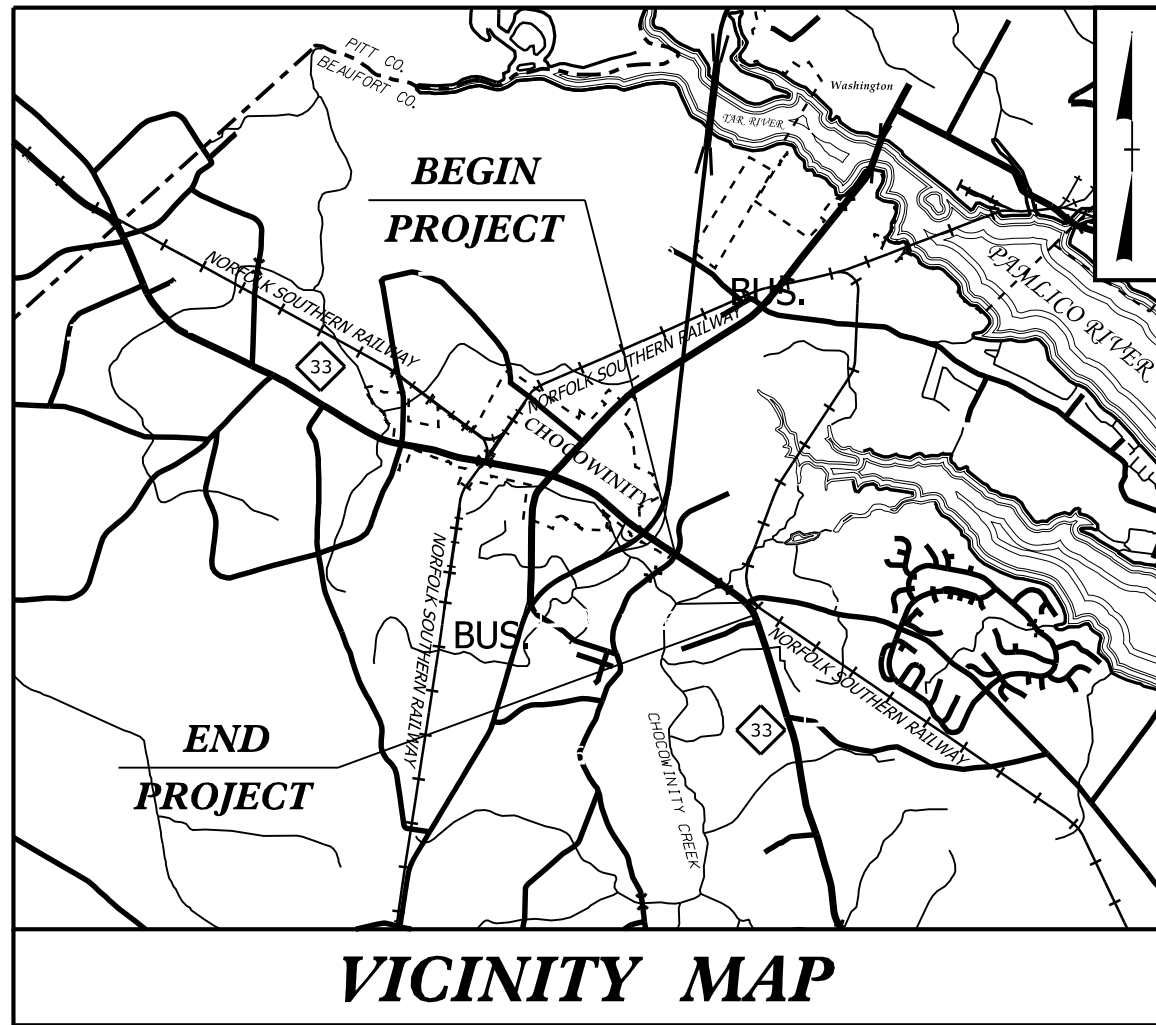
SHEET

30

OF

30

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



VICINITY MAP

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

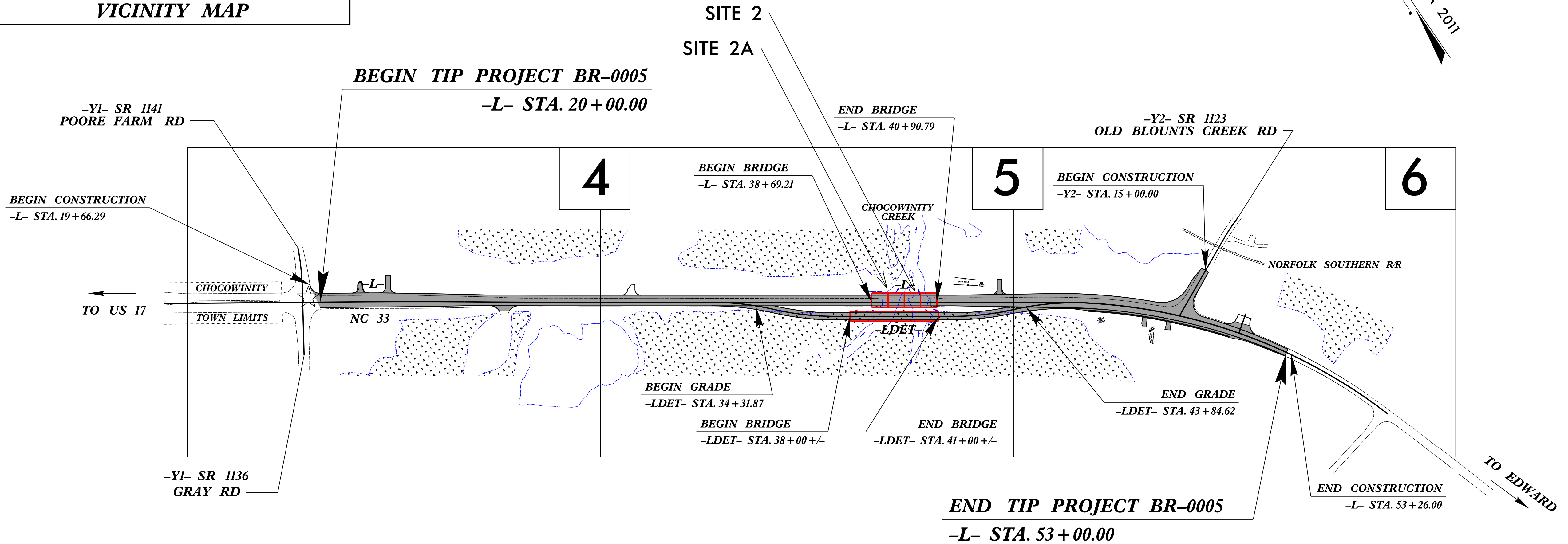
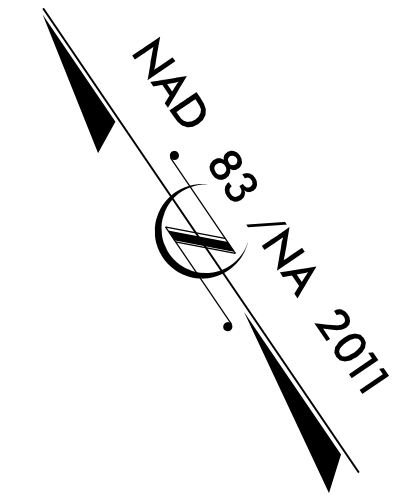
BEAUFORT COUNTY

LOCATION: BRIDGE 060075 ON NC 33 OVER CHOCOWINITY CREEK
TYPE OF WORK: GRADING, DRAINAGE, PAVING, SIGNAL, AND STRUCTURE

BUFFER IMPACTS PERMIT

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	BR-0005	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
67005.1.1	N/A	PE	

BUFFER DRAWING
SHEET 1 OF 7



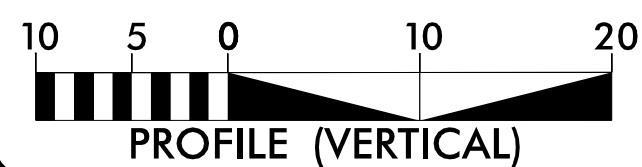
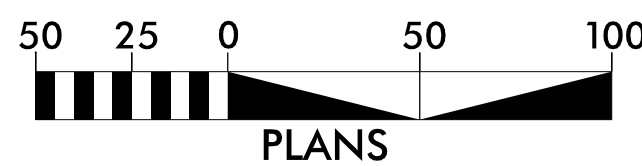
CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD II.

★ RELOCATE EXISTING SIGNAL

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

GRAPHIC SCALES



DESIGN DATA

ADT 2023 = 10,280
ADT 2043 = 11,370
K = 12 %
D = 60 %
T = 13 % *
V = 60 MPH
* TTST = 7% DUAL = 6%
FUNC CLASS =
MAJOR COLLECTOR
REGIONAL TIER

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT BR-0005 = 0.583 MILES
LENGTH STRUCTURE TIP PROJECT BR-0005 = 0.042 MILES
TOTAL LENGTH TIP PROJECT BR-0005 = 0.625 MILES

Prepared for NCDOT in the Office of:

Mead&Hunt

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Raleigh, North Carolina 27601
919-714-8670 | meadhunt.com
NC License No. F-1235

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:

APRIL 19, 2022

LETTING DATE:

MARCH 21, 2023

RICK DECOLA, PE
PROJECT ENGINEER

TRAVIS COOK, PE
PROJECT DESIGN ENGINEER

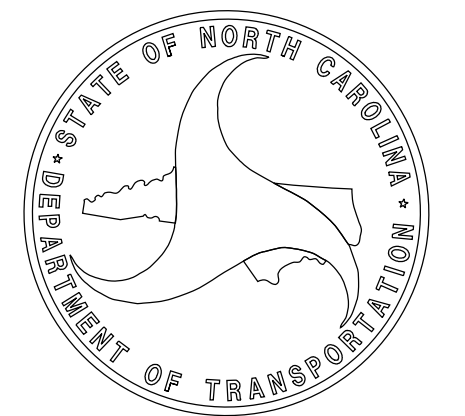
DAVID STUTTS, PE
NCDOT CONTACT

HYDRAULICS
ENGINEER

SIGNATURE: P.E.

ROADWAY DESIGN
ENGINEER

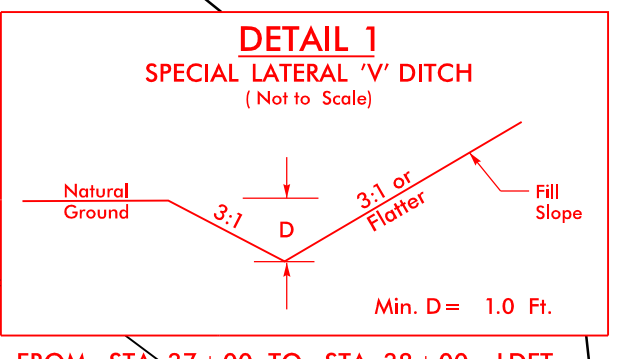
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8/17/99

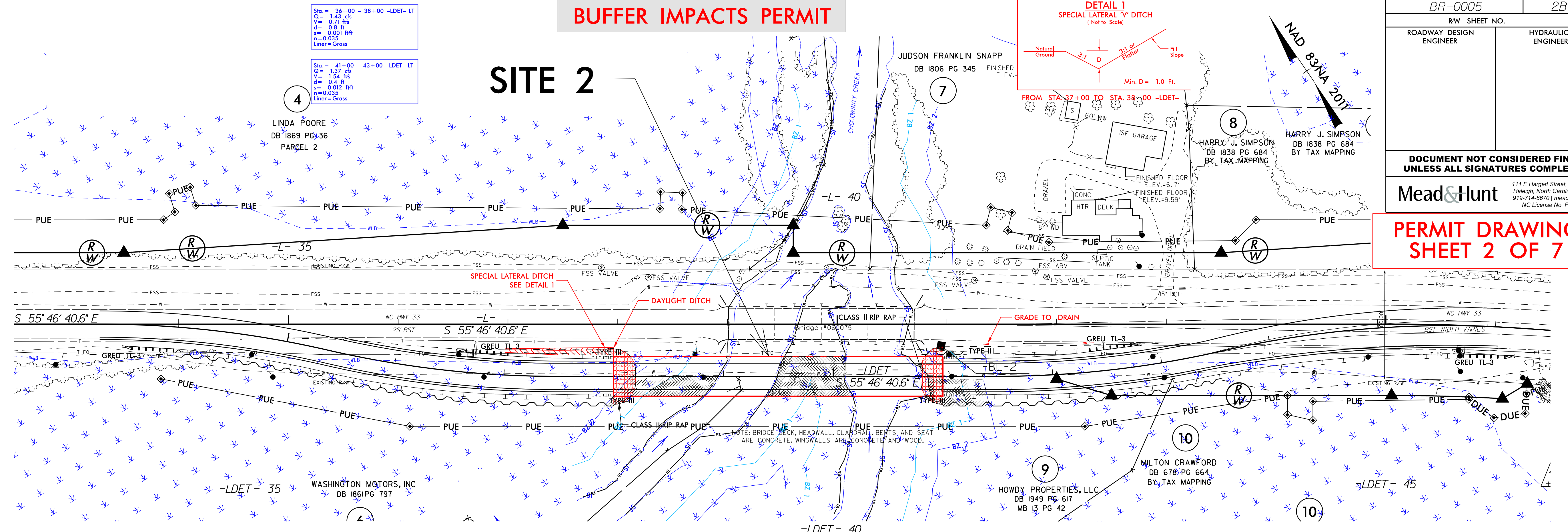
BUFFER IMPACTS PERMIT

SITE 2



PROJECT REFERENCE NO. BR-0005		SHEET NO. 2B-1	
RW SHEET NO.		HYDRAULICS ENGINEER	
ROADWAY DESIGN ENGINEER			
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PERMIT DRAWING
SHEET 2 OF 7



ALLOWABLE IMPACTS ZONE 1

ALLOWABLE IMPACTS ZONE 2

FOR -L- DESIGN, SEE SHEETS 5 & 6

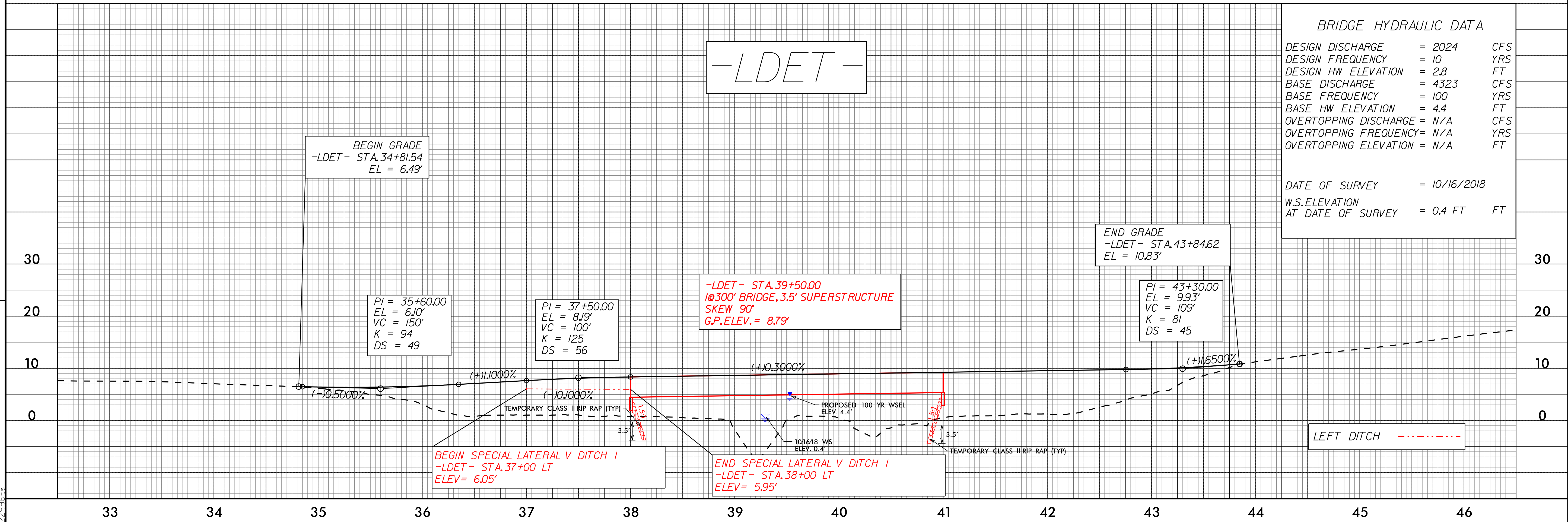
-LDET-

BRIDGE HYDRAULIC DATA

DESIGN DISCHARGE	= 2024	CFS
DESIGN FREQUENCY	= 10	YRS
DESIGN HW ELEVATION	= 2.8	FT
BASE DISCHARGE	= 4323	CFS
BASE FREQUENCY	= 100	YRS
BASE HW ELEVATION	= 4.4	FT
OVERTOPPING DISCHARGE	= N/A	CFS
OVERTOPPING FREQUENCY	= N/A	YRS
OVERTOPPING ELEVATION	= N/A	FT

DATE OF SURVEY = 10/16/2018

W.S. ELEVATION AT DATE OF SURVEY = 0.4 FT FT



REVISIONS

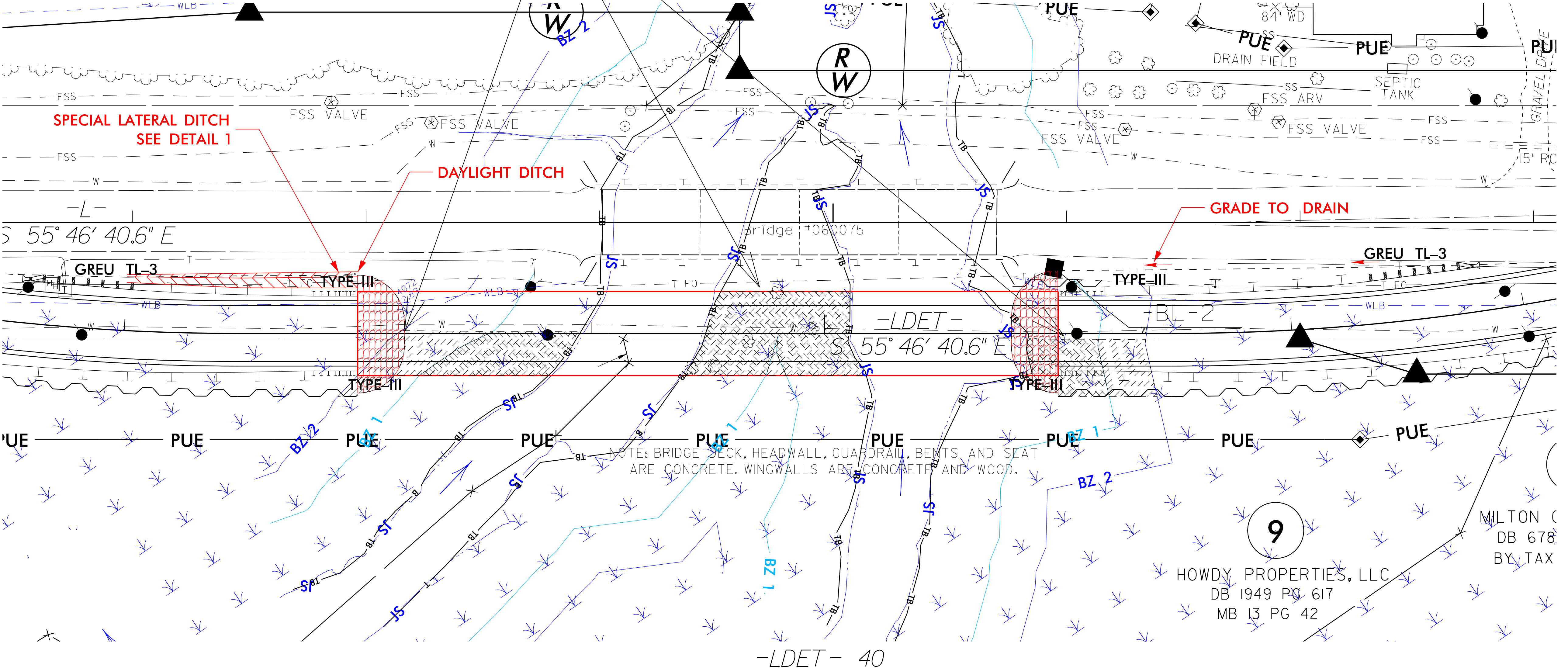
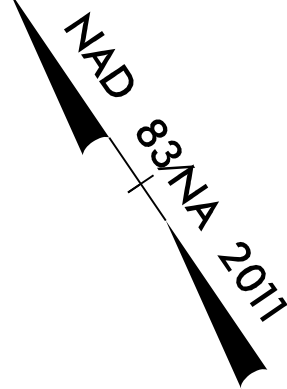
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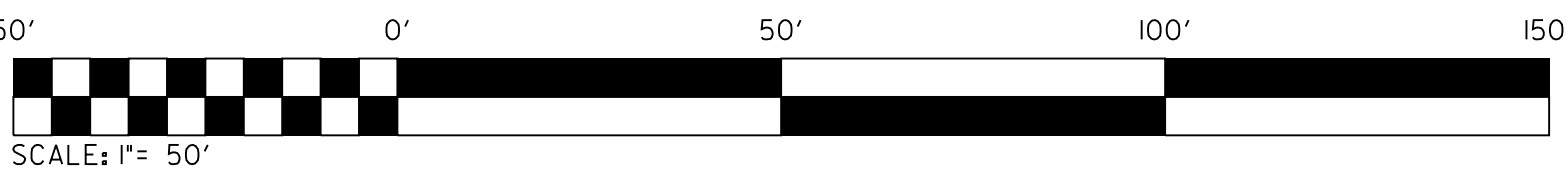
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BR-0005		2B-INSET	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	

BUFFER DRAWING
SHEET 3 OF 7

SITE 2



- ALLOWABLE IMPACTS ZONE 1
- ALLOWABLE IMPACTS ZONE 2

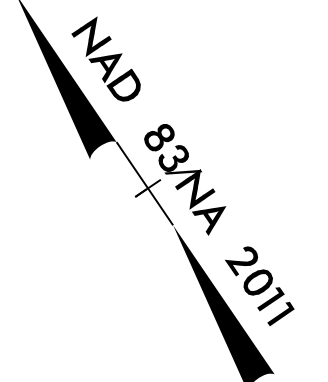



BRIDGE APPROACH SLAB
FOR -LREV- PROFILE, SEE SHEET 5
FOR -DET- DESIGN, SEE SHEET 2-B
FOR STRUCTURE PLANS, SEE SHEET S-1 THRU S-23

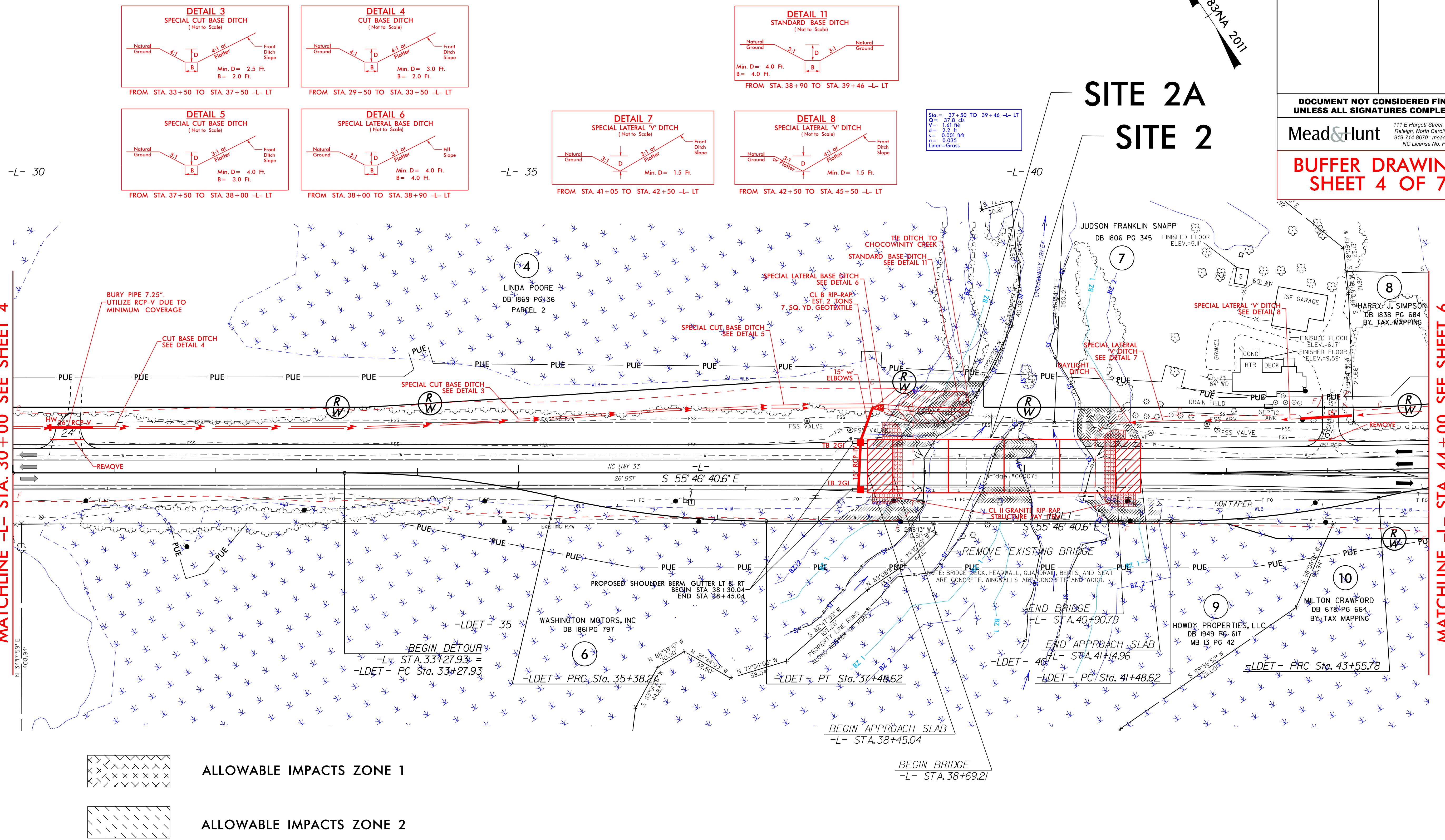
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BUFFER IMPACTS PERMIT



PROJECT REFERENCE NO. <i>BR-0005</i>		SHEET NO. <i>5</i>	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
		111 E Hargett Street, Suite 300 Raleigh, North Carolina 27601 919-714-8670 mead&hunt.com NC License No. E-1235	
BUFFER DRAWING SHEET 4 OF 7			

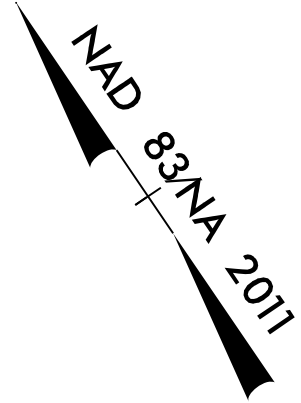


SITE 2A
SITE 2

Sta. = 37+50 TO 39+46 -L- LT
Q = 37.8 cfs
V = 1.61 f/s
d = 2.2 ft
n = 0.001 f/s
Liner = Grass

FOR -L- PROFILE, SEE SHEET 7
BRIDGE APPROACH SLAB
FOR DETOUR DESIGN, SEE SHEET 2B-I
DRIVEWAY RADII ARE 20' UNLESS OTHERWISE NOTED

BUFFER IMPACTS PERMIT

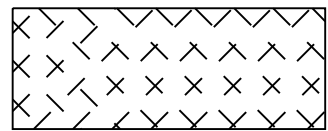
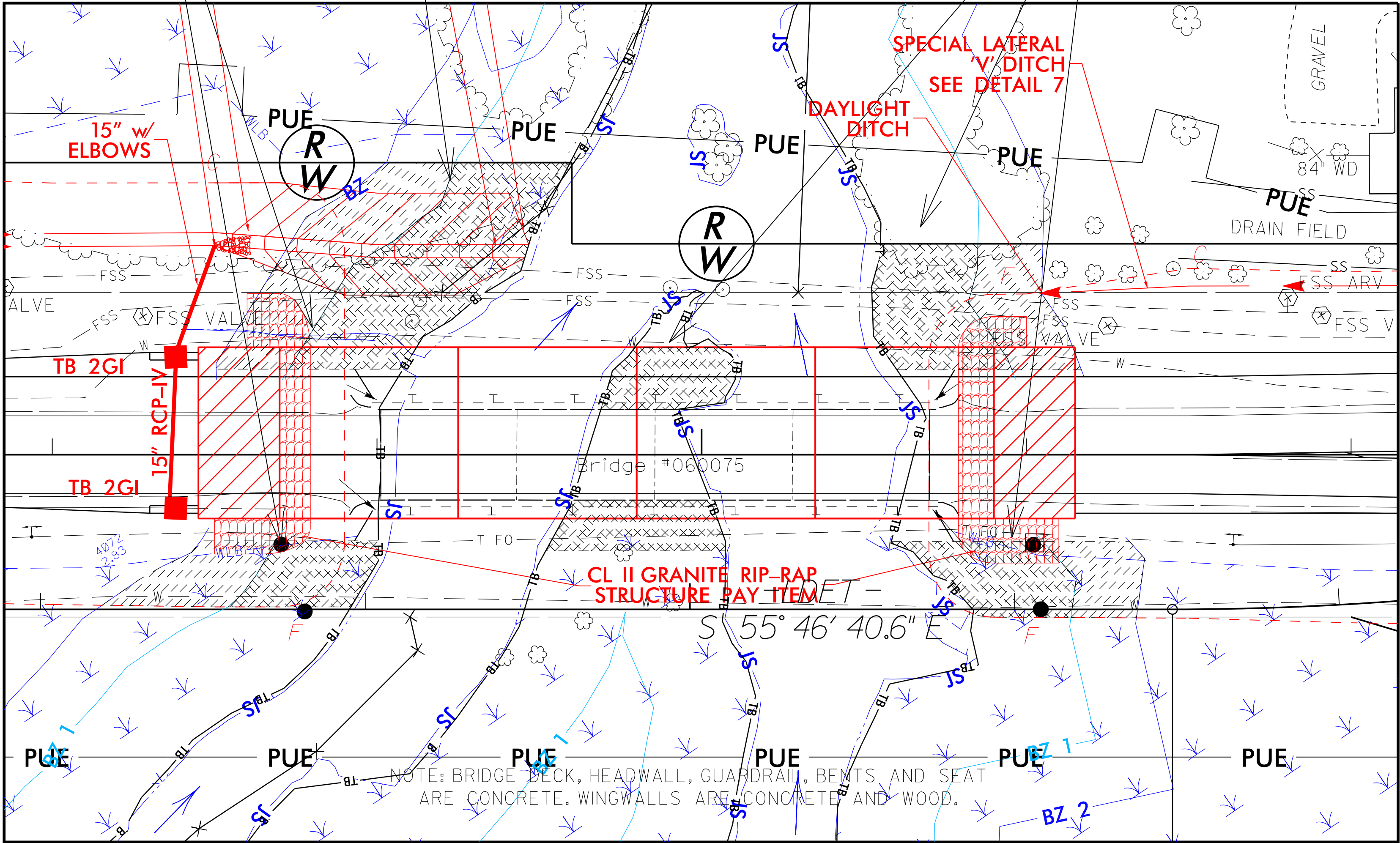


PROJECT REFERENCE NO.		SHEET NO.	
BR-0005		5-INSET	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
<div>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</div>			
Mead&Hunt		<div>111 E Hargett Street, Suite 300 Raleigh, North Carolina 27601 919-714-8670 meadhunt.com NC License No. F-1235</div>	
<div>BUFFER DRAWING SHEET 5 OF 7</div>			

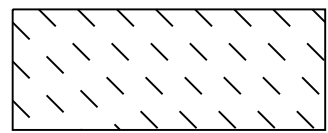
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SITE 2

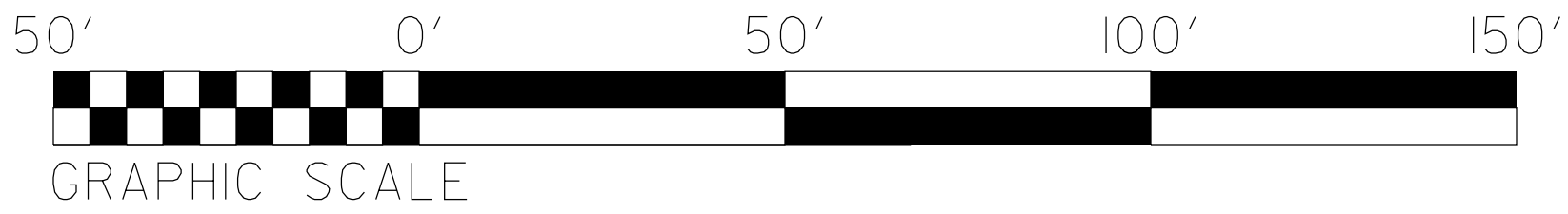
SITE 2



ALLOWABLE IMPACTS ZONE 1



ALLOWABLE IMPACTS ZONE 2



REVISIONS

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2299bts

RIPARIAN BUFFER IMPACTS SUMMARY

			IMPACTS									BUFFER REPLACEMENT	
Site No.	Station (From/To)	Structure Size / Type	TYPE			ALLOWABLE			MITIGABLE				
			ROAD CROSSING	BRIDGE	PARALLEL IMPACT	ZONE 1 (ft²)	ZONE 2 (ft²)	TOTAL (ft²)	ZONE 1 (ft²)	ZONE 2 (ft²)	TOTAL (ft²)	ZONE 1 (ft²)	ZONE 2 (ft²)
2	-L- 38+15 to 41+36	4@55'-36" PCG		X		5215	2673	7888					
2	-LDET- 37+92 to 41+42	1@300'-42" Det Structure		X		3893	1290	5183					
2A	-L- 38+68 to 39+60	Lateral Ditch				1665	1049	2714					
TOTALS*:						10773	5012	15785	0	0	0	0	0

NOTES:

NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
11/8/2023
BEAUFORT COUNTY
BR-0005
67005.1.1

WETLANDS IN BUFFER IMPACTS SUMMARY

SITE NO.	STATION (FROM/TO)		WETLANDS IN BUFFERS	
			ZONE 1 (ft ²)	ZONE 2 (ft ²)
2	-L- 38+15 to 41+36		3016	955
2	-LDET- 37+92 to 41+42		3893	1290
2A	-L- 38+68 to 39+60		415	0
TOTAL:			7324	2245

NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

11/8/2023

BEAUFORT COUNTY

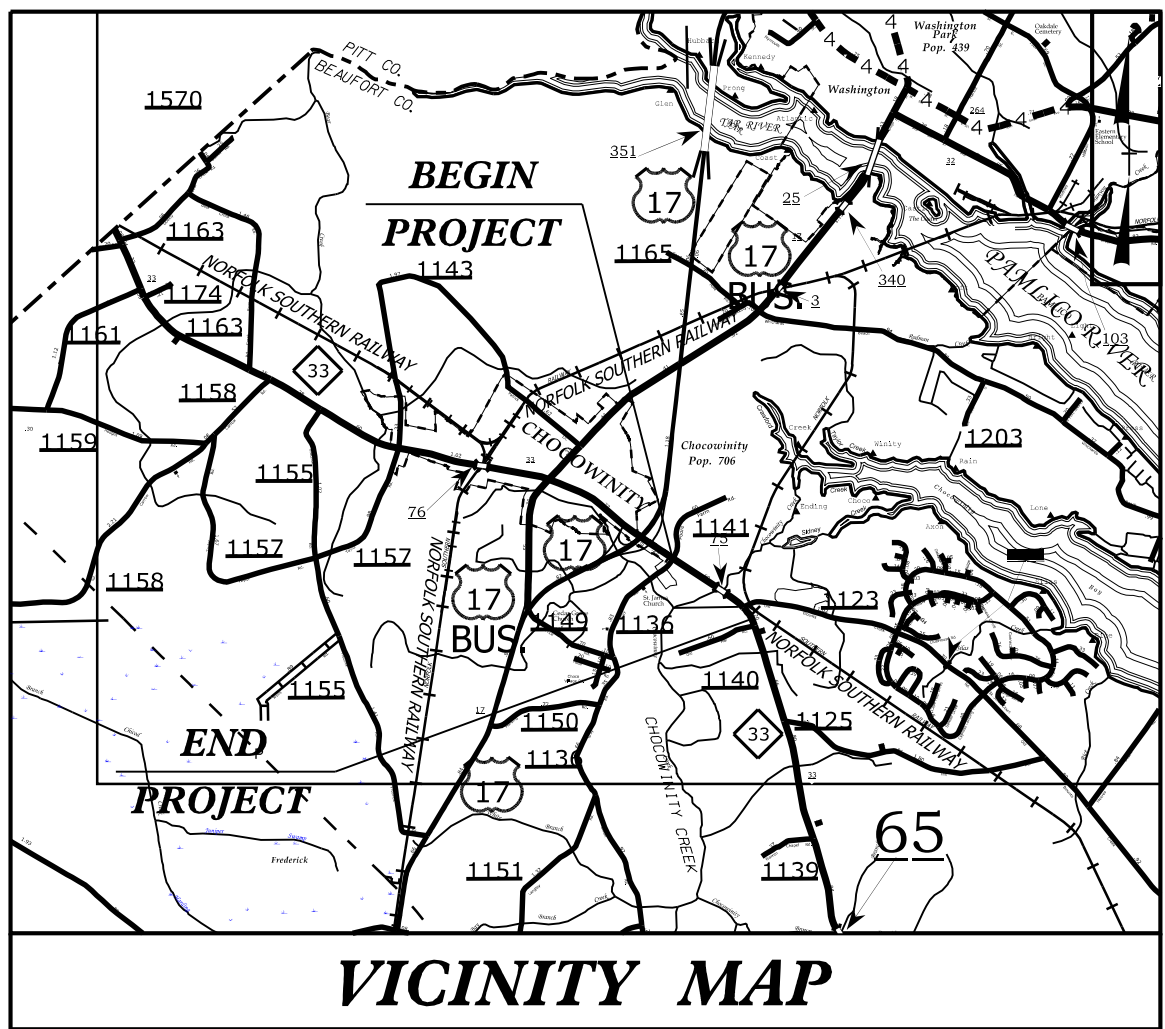
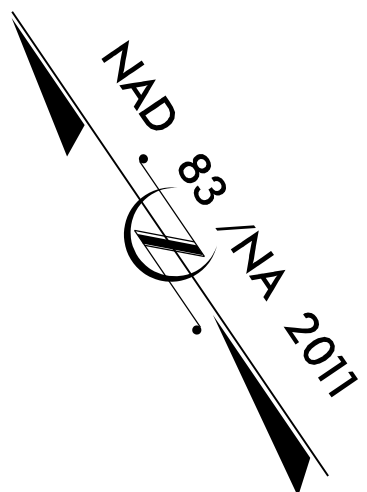
BR-0005

67005.1.1

T.I.P. NO.	SHEET NO.
BR-0005	UE-1

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

PERMIT DRAWING
SHEET 1 OF 15



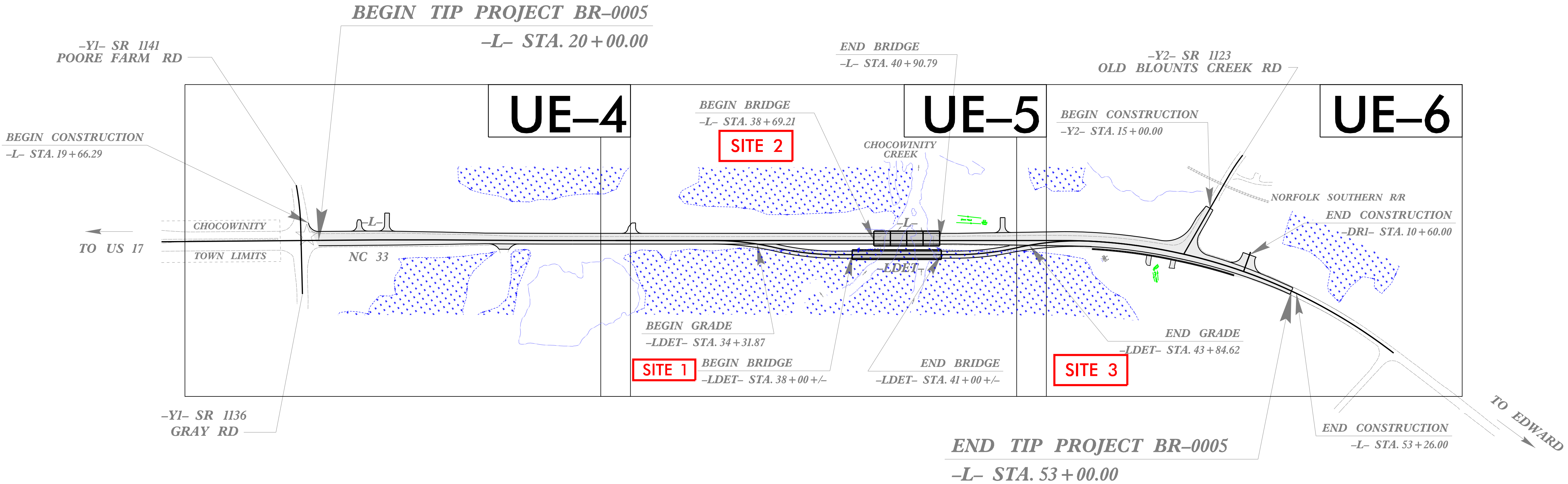
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

UTILITY PERMIT DRAWINGS

BEAUFORT COUNTY

WETLAND AND SURFACE WATER IMPACTS PERMIT

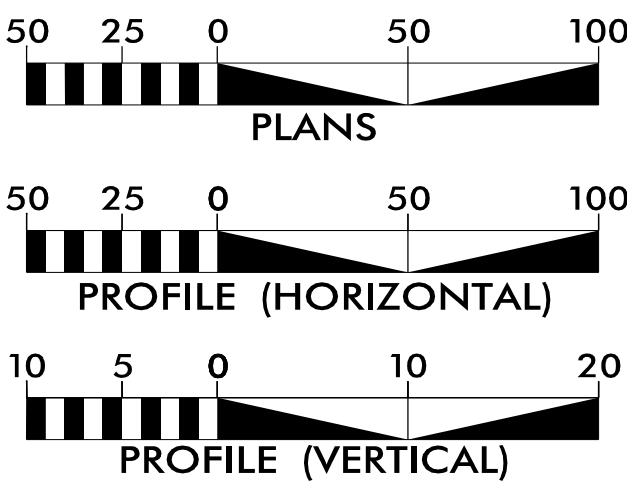
TIP PROJECT: BR-0005



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UNLESS ALL SIGNATURES COMPLETED

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

GRAPHIC SCALES



INDEX OF SHEETS

SHEET NO.:	DESCRIPTION:
UE-1	WETLAND IMPACT TITLE SHEET
UE-2 THRU UE-4	UTILITY WETLAND IMPACTS
UE-5 THRU UE-11	UTILITY PROFILES

UTILITY OWNERS WITH CONFLICTS

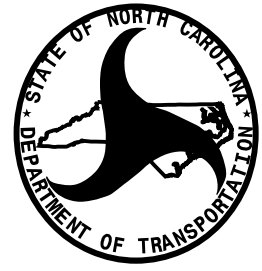
- (A) WATER - TOWN OF CHOCOWINITY
- (B) SANITARY SEWER - TOWN OF CHOCOWINITY
- (C) WATER - BEAUFORT COUNTY
- (D) POWER - DUKE ENERGY
- (E) TELECOM - CENTURYLINK
- (F) TELECOM - SUDDENLINK

PREPARED IN THE OFFICE OF:

Mead&Hunt

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Raleigh, North Carolina 27601
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Jennifer Smith, PE	PROJECT UTILITY COORDINATOR



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Tyron Stallings	UTILITIES ENGINEER
Tanga Sampson	UTILITIES AREA COORDINATOR
Tyron Stallings	UTILITIES COORDINATOR

UTILITIES BY OTHERS

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

LEGEND

- EX. DUKE POLE TO REMAIN
- EX. DUKE POLE TO BE REMOVED
- EX. CENTURYLINK POLE TO REMAIN
- EX. CENTURYLINK POLE TO BE REMOVED
- NEW DUKE POLE

PERMIT DRAWING
SHEET 2 OF 15

Sta. = -20+08 TO 24+50 -L- LT
Q = 37.8 cfs
V = 3.90 f/s
d = 1.4 ft
s = 0.019 f/s
n = 0.045
Liner = Class B Rip-Rap

Sta. = 24+50 TO 26+50 -L- LT
Q = 37.8 cfs
V = 3.41 f/s
d = 1.5 ft
s = 0.008 f/s
n = 0.035
Liner = Grass

Sta. = 26+50 TO 29+50 -L- LT
Q = 37.8 cfs
V = 3.70 f/s
d = 1.4 ft
s = 0.010 f/s
n = 0.035
Liner = Grass

TOWN OF CHOCOWINITY
10" AND 6" PVC SS FM

TOWN OF CHOCOWINITY
10" PVC WATER LINE

BEAUFORT COUNTY
START 12" DI WATER
LINE BY OPEN CUT
STA 2+40.00

BEAUFORT COUNTY
START 16" HDPE
WATER LINE BY HDD
INSTALLATION
STA 2+94.00

BEAUFORT COUNTY
START 12" PVC WATER
LINE BY OPEN CUT
STA 10+00.00

BEAUFORT COUNTY 16" HDPE
WATER LINE BY HDD

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UNLESS ALL SIGNATURES COMPLETED

MATCHLINE -L- STA. 30+00 SEE SHEET UE-3

5/14/99

27-007-2023 11:51
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UTILITIES BY OTHERS

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

LEGEND

- EX. DUKE POLE TO REMAIN
- EX. DUKE POLE TO BE REMOVED
- EX. CENTURYLINK POLE TO REMAIN
- EX. CENTURYLINK POLE TO BE REMOVED
- NEW DUKE POLE

PERMIT DRAWING
SHEET 3 OF 15

Sta. = -20+08 TO 24+50 -L- LT
Q = 37.8 cfs
V = 3.90 f/s
d = 1.4 ft
s = 0.019 f/ft
n = 0.045
Liner = Class B Rip-Rap

Sta. = -24+50 TO 26+50 -L- LT
Q = 37.8 cfs
V = 3.41 f/s
d = 1.5 ft
s = 0.008 f/ft
n = 0.035
Liner = Grass

Sta. = -26+50 TO 29+50 -L- LT
Q = 37.8 cfs
V = 3.70 f/s
d = 1.4 ft
s = 0.010 f/ft
n = 0.035
Liner = Grass

TOWN OF CHOCOWINITY
10" AND 6" PVC SS FM

TOWN OF CHOCOWINITY
10" PVC WATER LINE

BEAUFORT COUNTY
START 12" DI WATER
LINE BY OPEN CUT
STA 2+40.00

BEAUFORT COUNTY
START 16" HDPE
WATER LINE BY HDD
BEGIN HDD
INSTALLATION
STA 2+94.00

BEAUFORT COUNTY
START 12" PVC WATER
LINE BY OPEN CUT
STA 10+00.00

BEAUFORT COUNTY 16" HDPE
WATER LINE BY HDD

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

MATCHLINE -L- STA. 30+00 SEE SHEET UE-3

PROJECT REFERENCE NO.	SHEET NO.
BR-0005	UE-3
THIS SHEET CORRESPONDS TO RDY-5	
Mead&Hunt	
111 E. Hargett Street, Suite 300 Raleigh, North Carolina 27601 919-714-8670 meadhunt.com NC License No. F-1235	

UTILITIES BY OTHERS

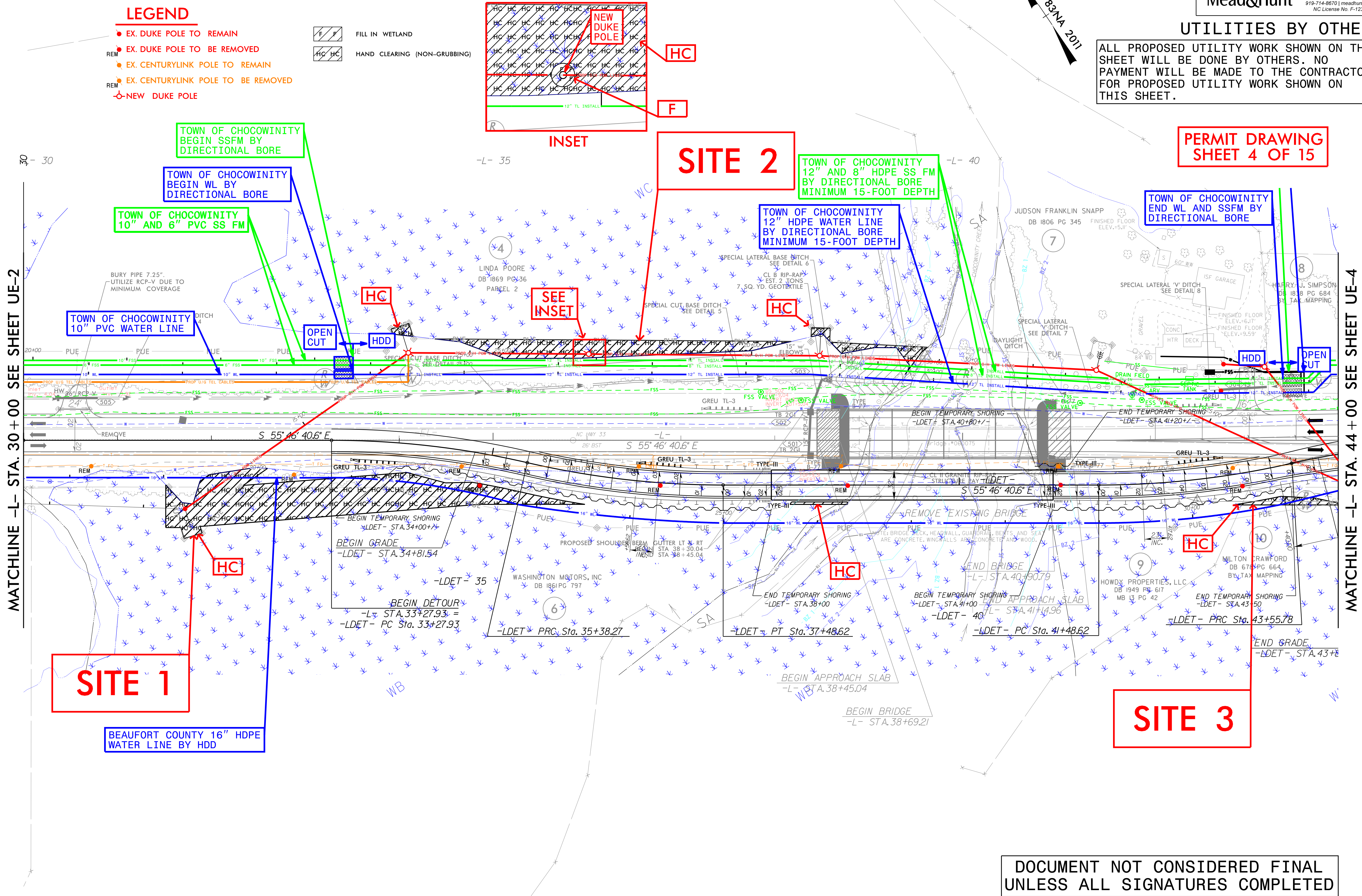
ALL PROPOSED UTILITY WORK SHOWN ON THIS SHEET WILL BE DONE BY OTHERS. NO PAYMENT WILL BE MADE TO THE CONTRACTOR FOR PROPOSED UTILITY WORK SHOWN ON THIS SHEET.

PERMIT DRAWING
SHEET 4 OF 15

LEGEND

- EX. DUKE POLE TO REMAIN
- EX. DUKE POLE TO BE REMOVED
- EX. CENTURYLINK POLE TO REMAIN
- EX. CENTURYLINK POLE TO BE REMOVED
- NEW DUKE POLE

- FILL IN WETLAND
- HAND CLEARING (NON-GRUBBING)



DOCUMENT NOT CONSIDERED FINAL
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PROJECT REFERENCE NO.	SHEET NO.
BR-0005	UE-3
THIS SHEET CORRESPONDS TO RDY-5	
Mead&Hunt	
111 E. Hargett Street, Suite 300 Raleigh, North Carolina 27601 919-714-8670 meadhunt.com NC License No. F-1235	

UTILITIES BY OTHERS

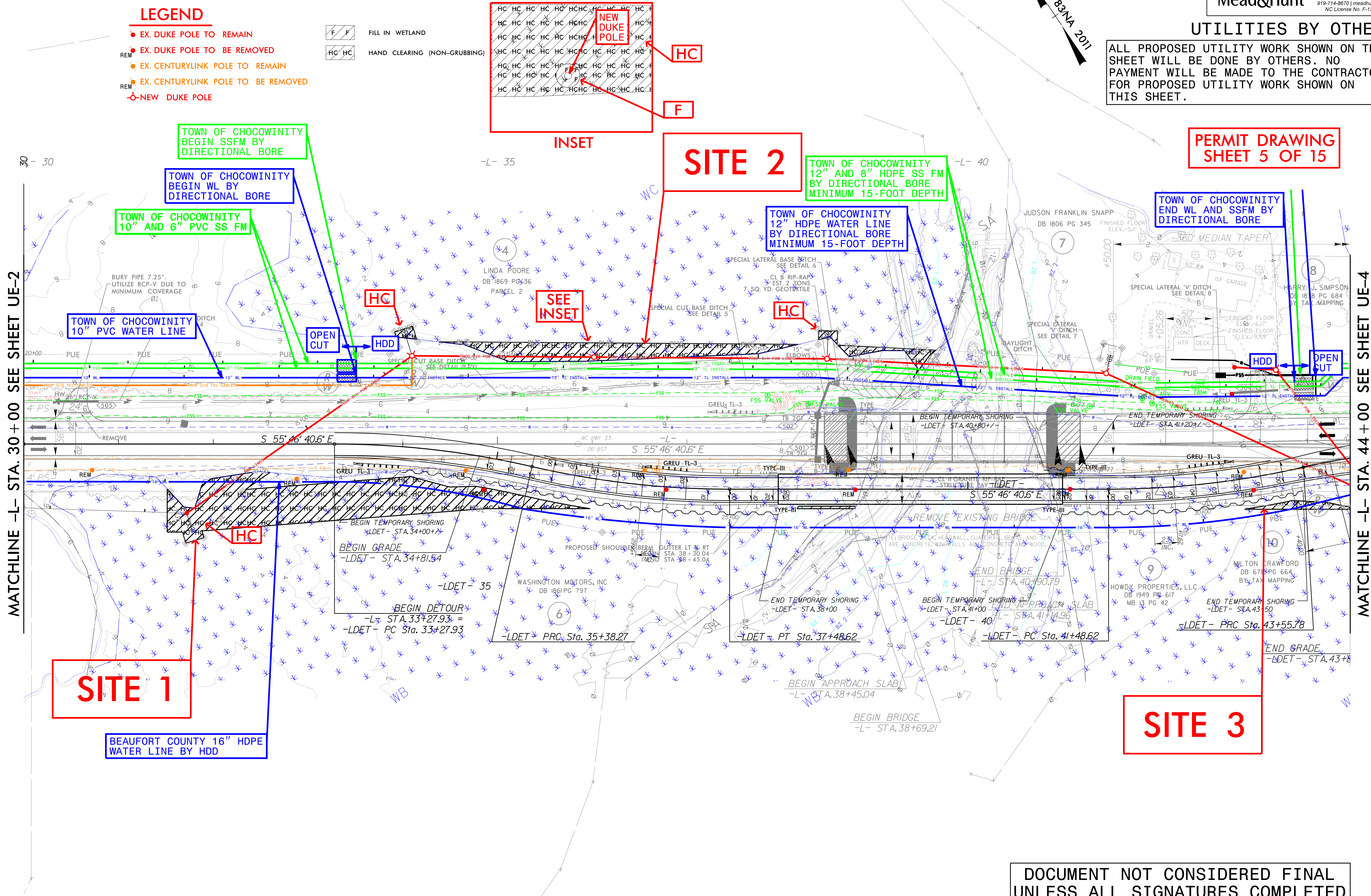
ALL PROPOSED UTILITY WORK SHOWN ON THIS SHEET WILL BE DONE BY OTHERS. NO PAYMENT WILL BE MADE TO THE CONTRACTOR FOR PROPOSED UTILITY WORK SHOWN ON THIS SHEET.

PERMIT DRAWING
SHEET 5 OF 15

LEGEND

- EX. DUKE POLE TO REMAIN
- EX. DUKE POLE TO BE REMOVED
- EX. CENTURYLINK POLE TO REMAIN
- EX. CENTURYLINK POLE TO BE REMOVED
- NEW DUKE POLE

F	FILL IN WETLAND
HC	HAND CLEARING (NON-GRUBBING)



DOCUMENT NOT CONSIDERED FINAL
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ALL PROPOSED UTILITY WORK SHOWN ON THIS SHEET WILL BE DONE BY OTHERS. NO PAYMENT WILL BE MADE TO THE CONTRACTOR FOR PROPOSED UTILITY WORK SHOWN ON THIS SHEET.

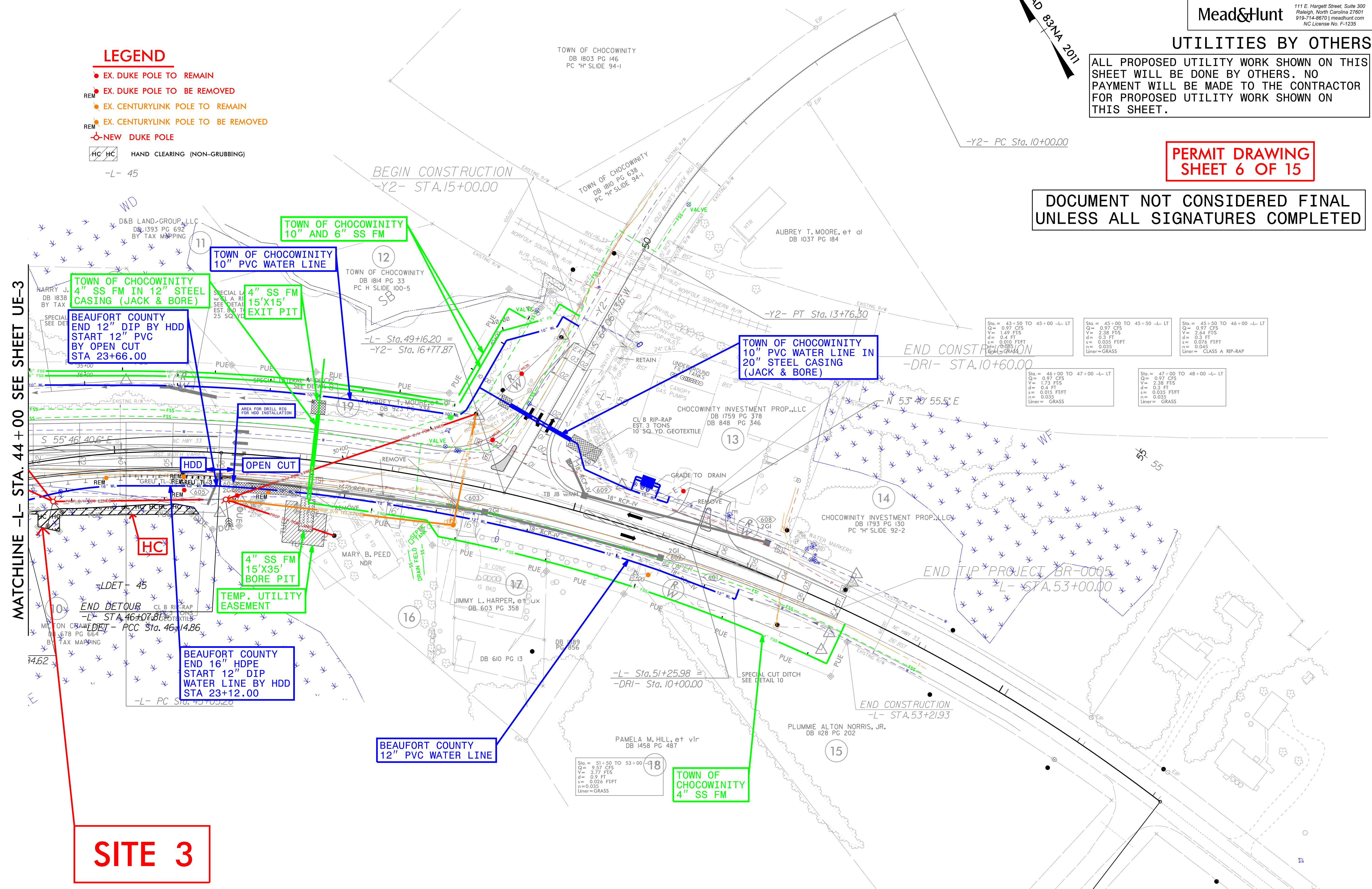
PERMIT DRAWING
SHEET 6 OF 15

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

- EX. DUKE POLE TO REMAIN
- REM EX. DUKE POLE TO BE REMOVED
- EX. CENTURYLINK POLE TO REMAIN
- REM EX. CENTURYLINK POLE TO BE REMOVED
- NEW DUKE POLE

HC HC

HAND CLEARING (NON-GRUBBING)



SITE 3

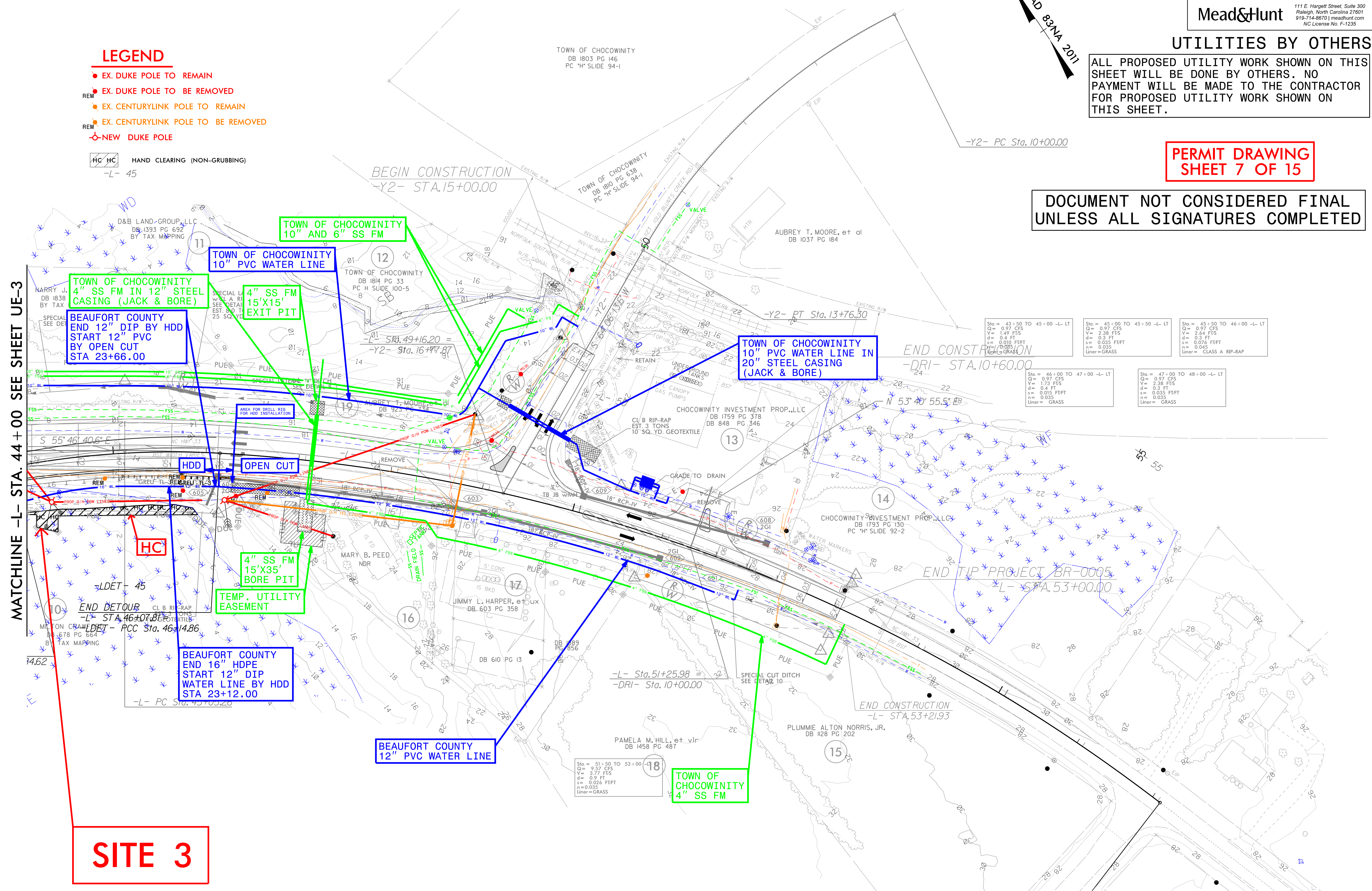
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**PERMIT DRAWING
SHEET 7 OF 15**

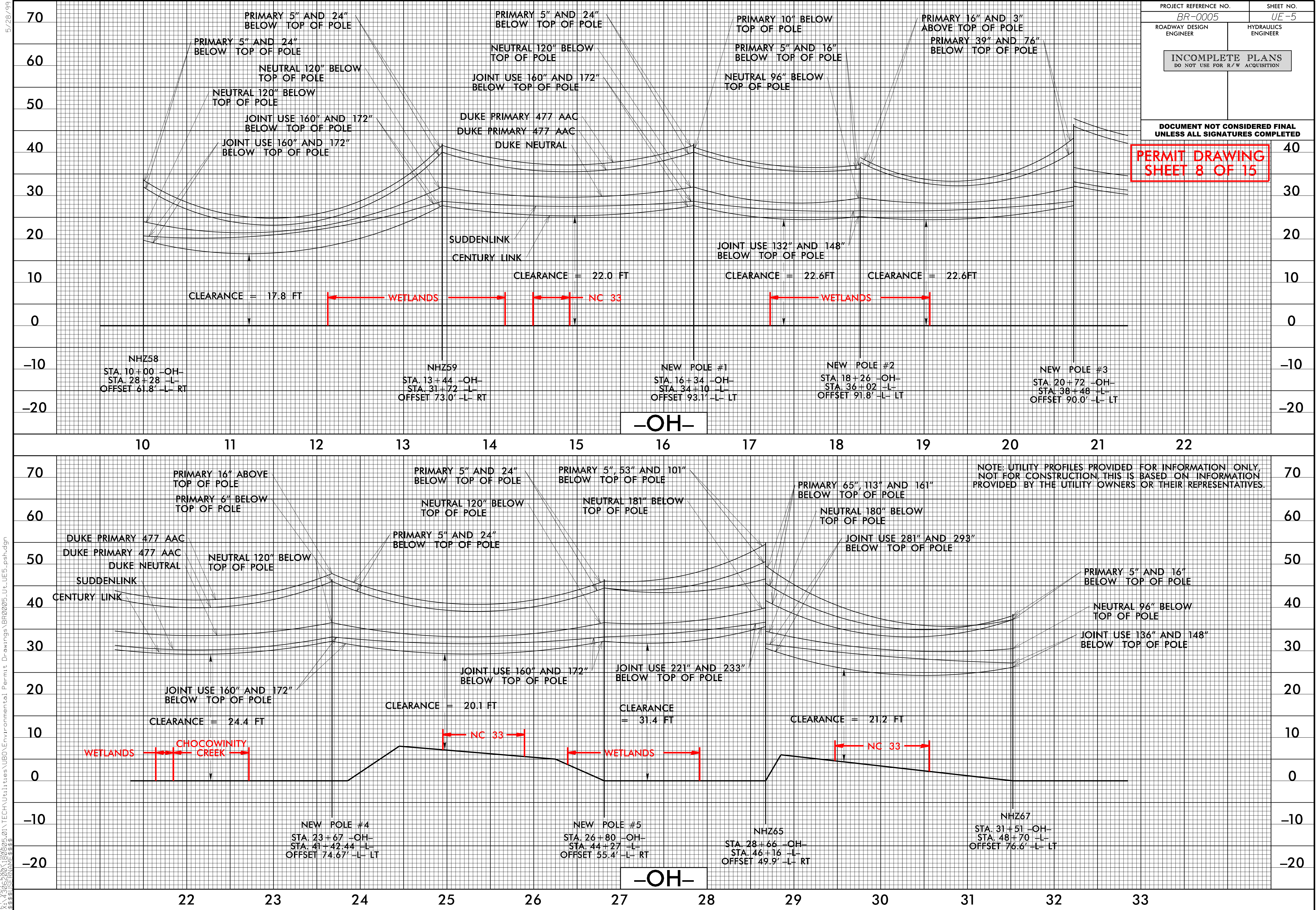
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UNLESS ALL SIGNATURES COMPLETED

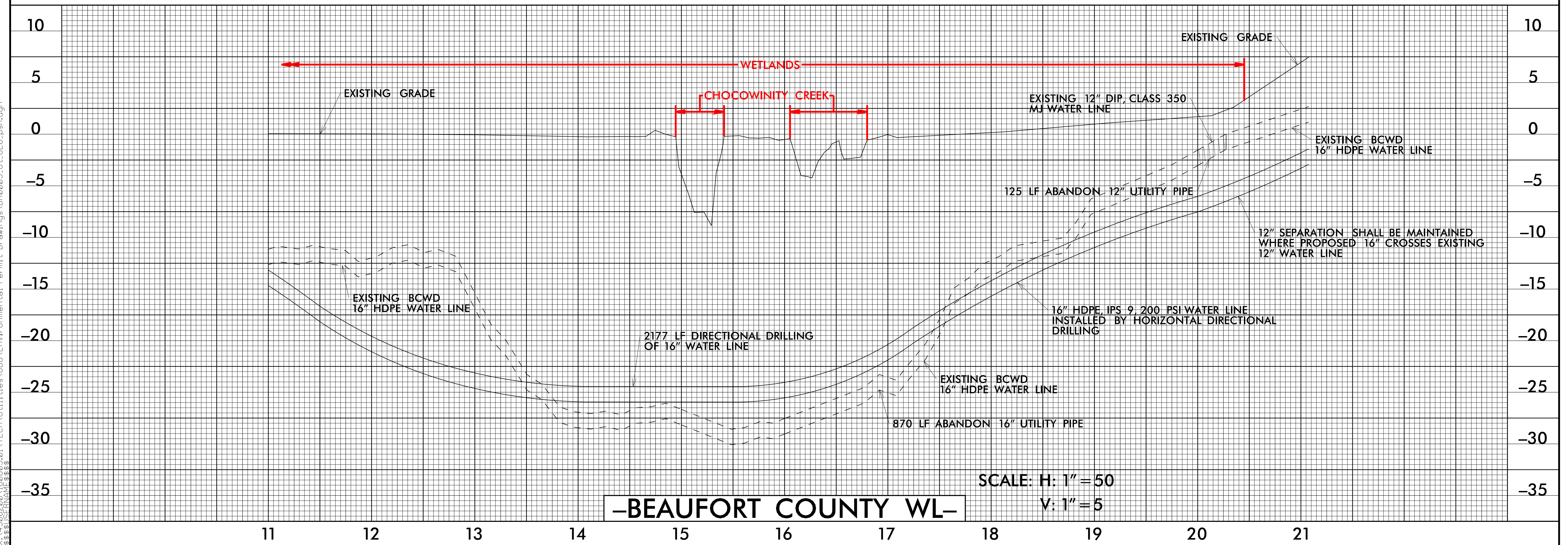
- EX. DUKE POLE TO REMAIN
- EX. DUKE POLE TO BE REMOVED
- EX. CENTURYLINK POLE TO REMAIN
- EX. CENTURYLINK POLE TO BE REMOVED
- NEW DUKE POLE

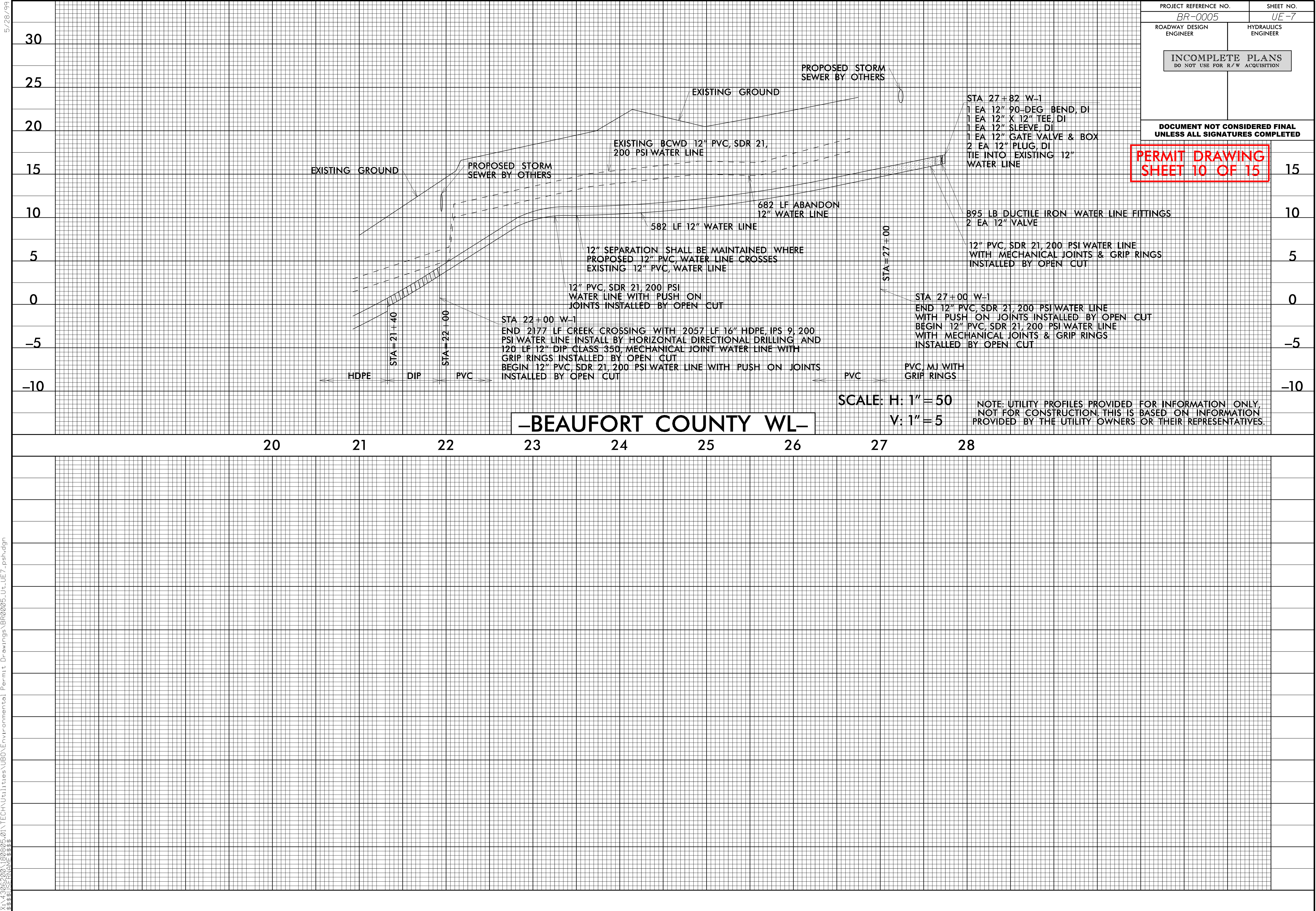
HC HC HAND CLEARING (NON-GRUBBING)
-1- 45



SITE 3

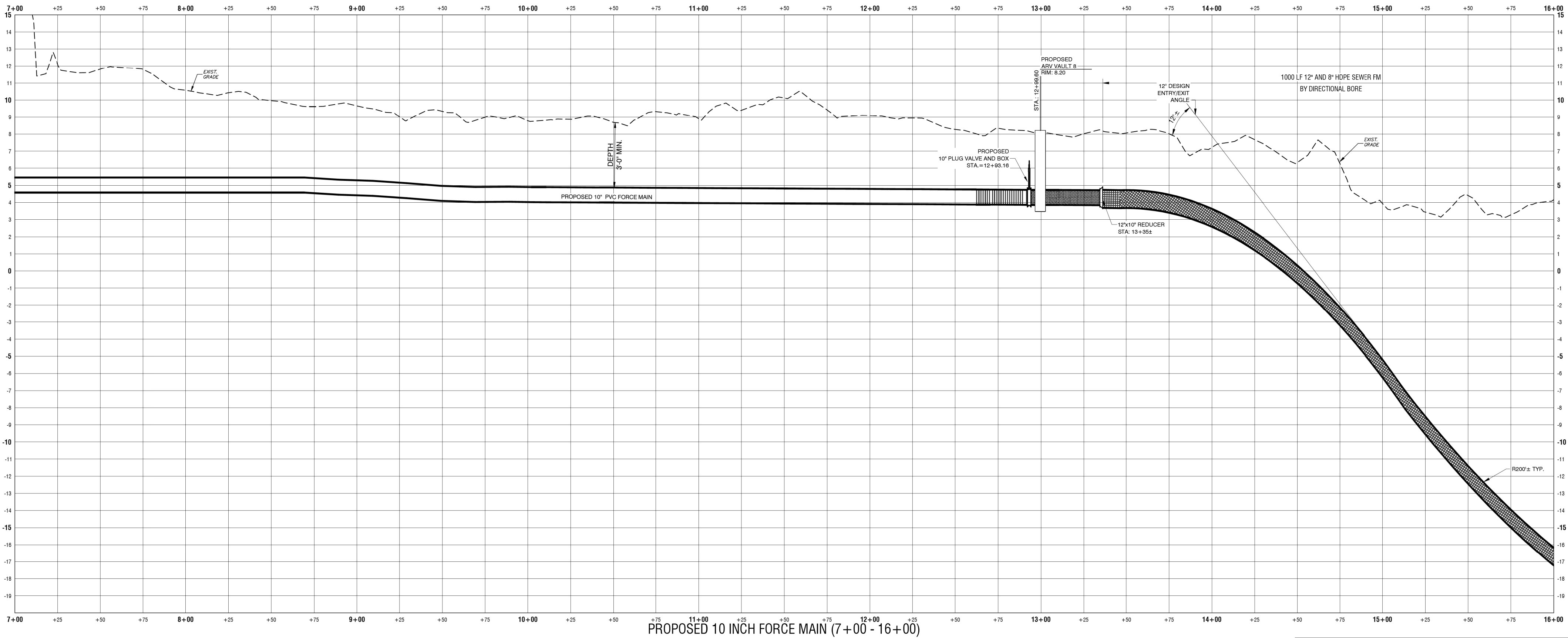






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DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			

PERMIT DRAWING
SHEET 11 OF 15



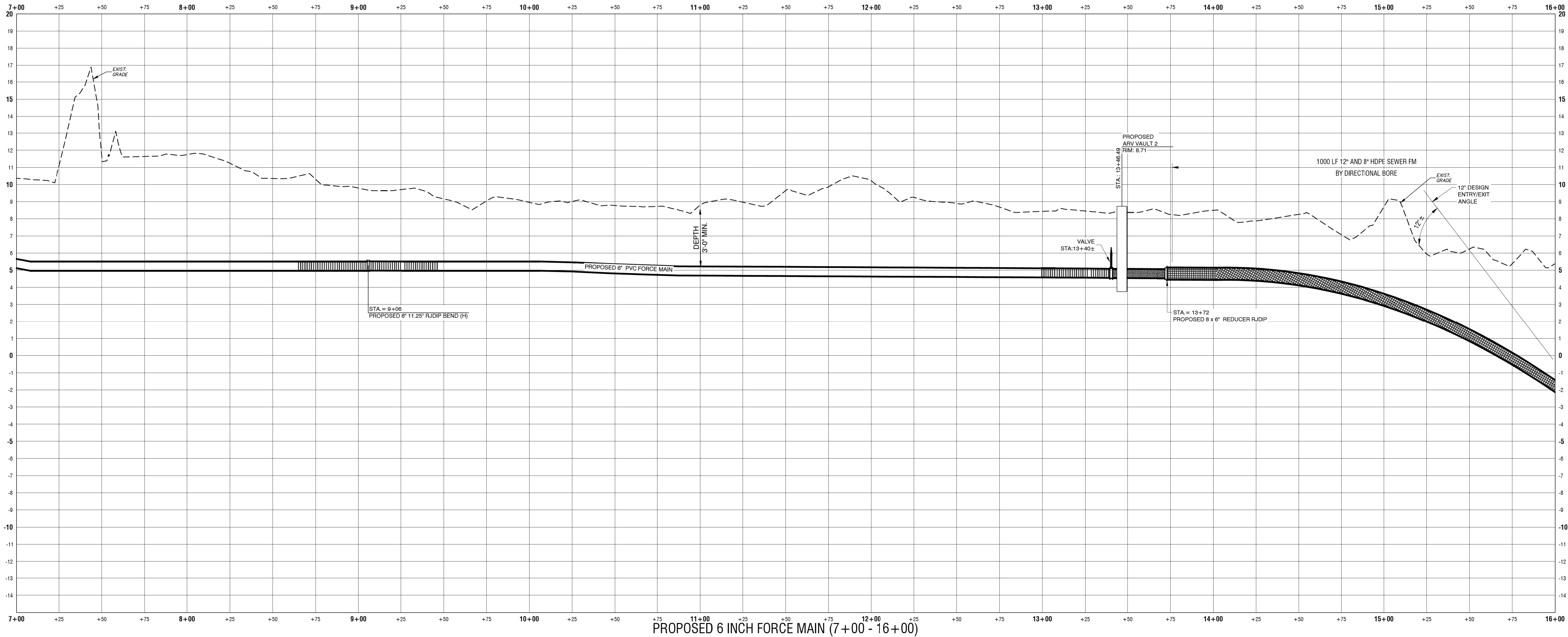
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**PERMIT DRAWING
SHEET 12 OF 15**



PROJECT REFERENCE NO.	SHEET NO.
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ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

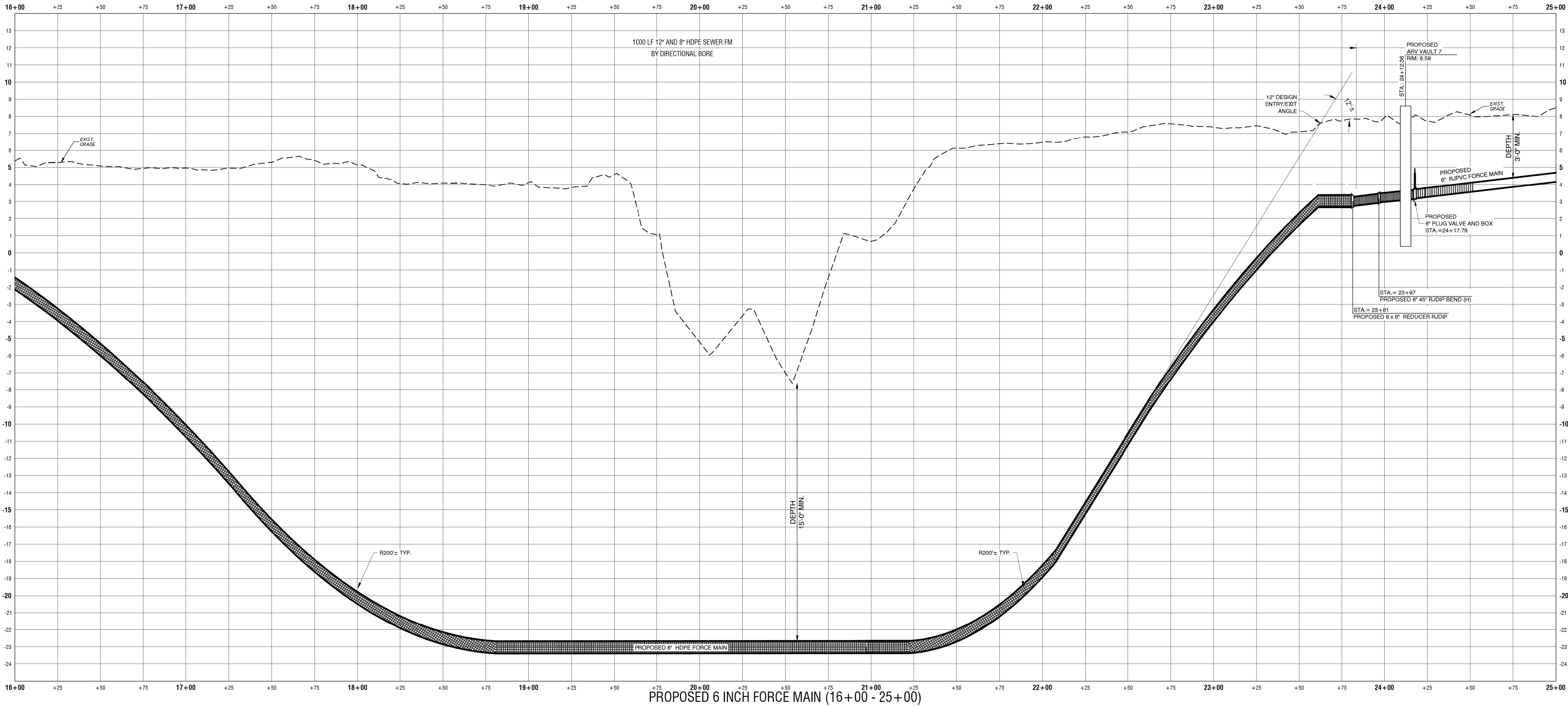
PERMIT DRAWING
SHEET 13 OF 15



-TOWN OF CHOCOWINITY SEWER FORCE MAIN-

PROJECT REFERENCE NO.		SHEET NO.	
BR-0005		UE-II	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION			
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			

PERMIT DRAWING
SHEET 14 OF 15



WETLAND AND SURFACE WATER IMPACTS SUMMARY

			WETLAND IMPACTS					SURFACE WATER IMPACTS				
Site No.	Station (From/To)	Structure Size / Type	Permanent Fill In Wetlands (ac)	Temp. Fill In Wetlands (ac)	Excavation in Wetlands (ac)	Mechanized Clearing in Wetlands (ac)	Hand Clearing in Wetlands (ac)	Permanent SW impacts (ac)	Temp. SW impacts (ac)	Existing Channel Impacts Permanent (ft)	Existing Channel Impacts Temp. (ft)	Natural Stream Design (ft)
1*	L- 31+51 to 38+78	New OH Pow, Esmnt & Matting					0.34					
2**	L- 33+90 to 39+65	New OH Pow & Esmt	0.01				0.14					
3*	L- 42+88 to 45+87	New OH Pow, Esmnt & Matting					0.06					
TOTALS*:			0.01				0.54			0	0	0

*Rounded totals are sum of actual impacts

NOTES:

* Includes temporary matting that will be used to minimize impacts where needed.

**Rounded totals are sum of actual impacts

NC DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

10/27/2023

BEAUFORT COUNTY

BR-0005

67005.1.1

SHEET

15

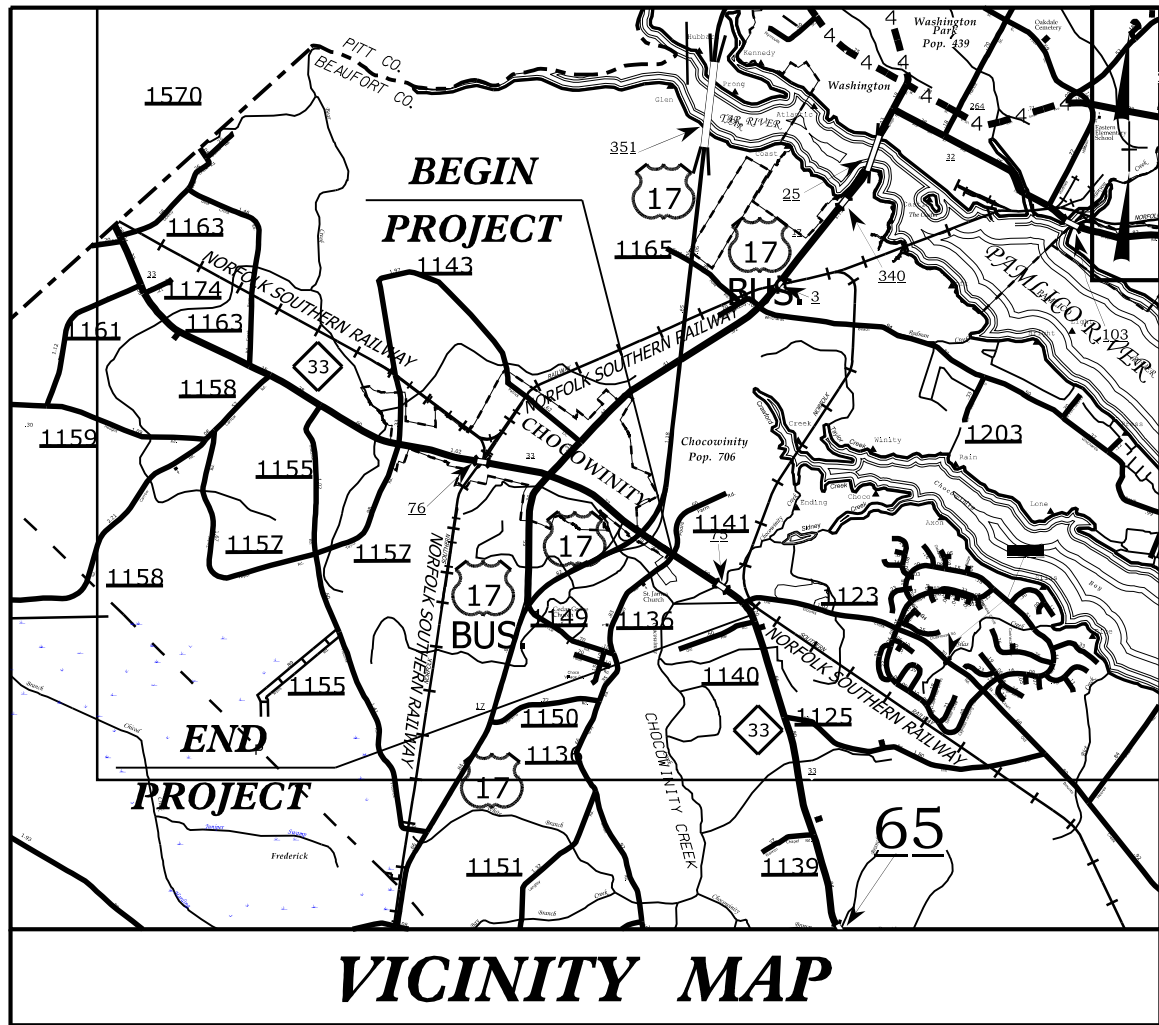
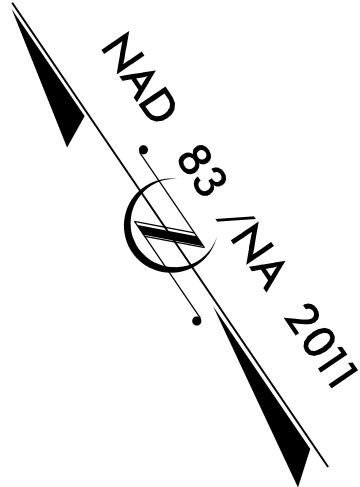
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T.I.P. NO.	SHEET NO.
BR-0005	UE-1B

NOTE:
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PERMIT DRAWING
SHEET 1 OF 4

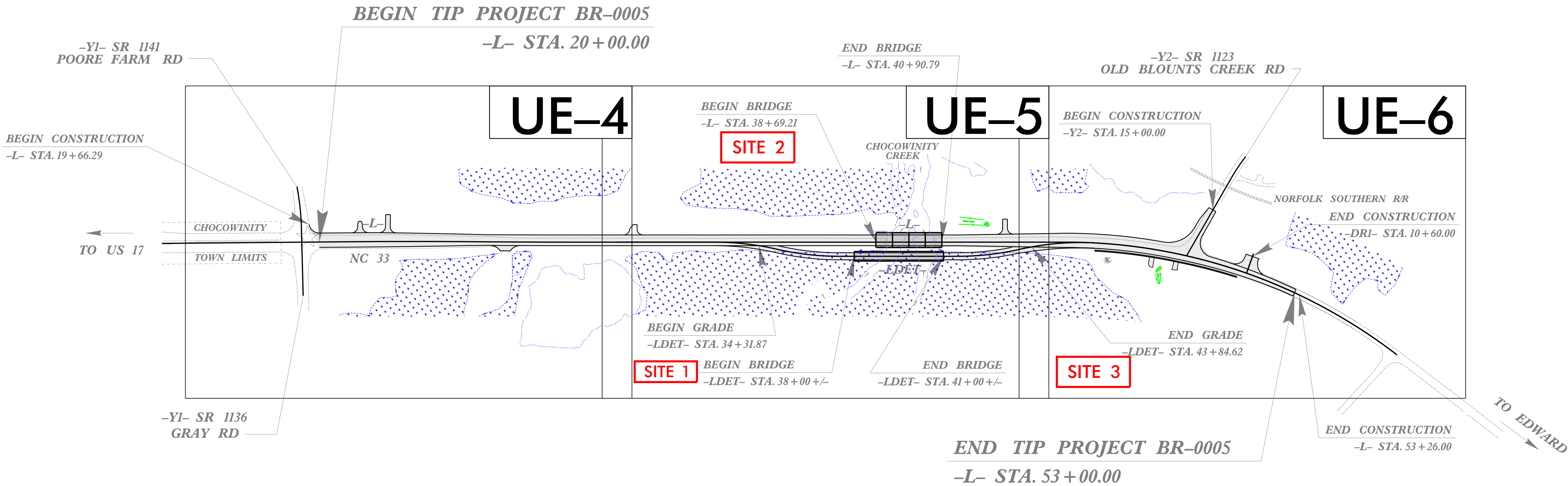


STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

UTILITY PERMIT DRAWINGS BEAUFORT COUNTY

BUFFER IMPACTS PERMIT

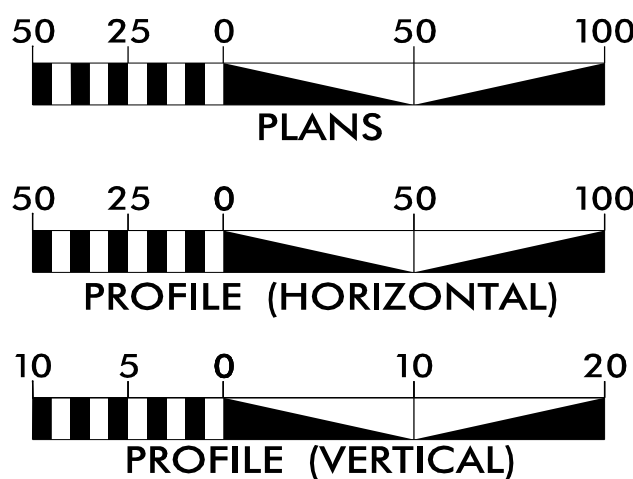
TIP PROJECT: BR-0005



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PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

GRAPHIC SCALES



INDEX OF SHEETS

SHEET NO.:	DESCRIPTION:
UE-1B	BUFFER IMPACT TITLE SHEET
UE-3B	UTILITY BUFFER IMPACTS

UTILITY OWNERS WITH CONFLICTS

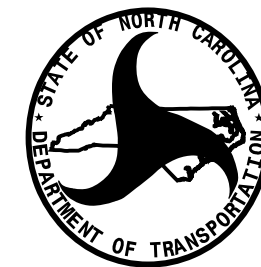
- (A) WATER - TOWN OF CHOCOWINITY
- (B) SANITARY SEWER - TOWN OF CHOCOWINITY
- (C) WATER - BEAUFORT COUNTY
- (D) POWER - DUKE ENERGY
- (E) TELECOM - CENTURYLINK
- (F) TELECOM - SUDDENLINK

PREPARED IN THE OFFICE OF:

Mead&Hunt

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Raleigh, North Carolina 27601
919-714-8670 | meadhunt.com
NC License No. F-1235

Jason Boyer, PE	PROJECT MANAGER
Jennifer Smith, PE	PROJECT UTILITY MANAGER
Jennifer Smith, PE	PROJECT UTILITY COORDINATOR



DIVISION OF HIGHWAYS
UTILITIES UNIT
1555 MAIL SERVICES CENTER
RALEIGH, NC 27699-1555
PHONE (919) 707-6690
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Nabil Hamden	UTILITIES REGIONAL ENGINEER
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Tyron Stallings	UTILITIES COORDINATOR

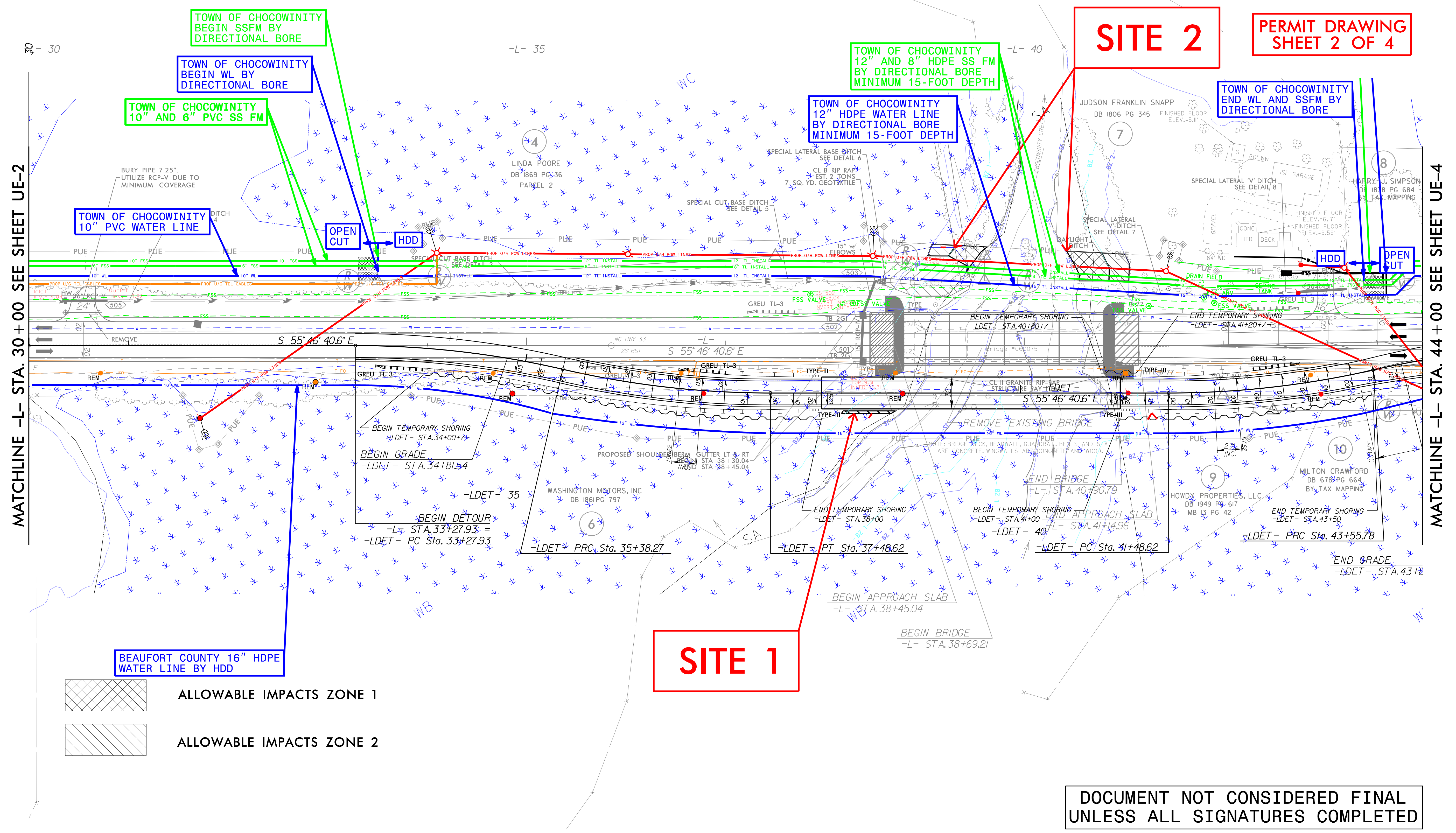
PROJECT REFERENCE NO.	SHEET NO.
BR-0005	UE-3B
THIS SHEET CORRESPONDS TO RDY-5	
Mead&Hunt	
111 E. Hargett Street, Suite 300 Raleigh, North Carolina 27601 919-714-8670 meadhunt.com NC License No. F-1235	

UTILITIES BY OTHERS

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

LEGEND

- EX. DUKE POLE TO REMAIN
- EX. DUKE POLE TO BE REMOVED
- EX. CENTURYLINK POLE TO REMAIN
- EX. CENTURYLINK POLE TO BE REMOVED
- NEW DUKE POLE



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

5/14/23 12:02
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RIPARIAN BUFFER IMPACTS SUMMARY

Site No.	Station (From/To)	Structure Size / Type	IMPACTS									BUFFER REPLACEMENT	
			TYPE			ALLOWABLE			MITIGABLE			ZONE 1 (ft ²)	ZONE 2 (ft ²)
			ROAD CROSSING	BRIDGE	PARALLEL IMPACT	ZONE 1 (ft ²)	ZONE 2 (ft ²)	TOTAL (ft ²)	ZONE 1 (ft ²)	ZONE 2 (ft ²)	TOTAL (ft ²)		
1*	L- 38+16 to 38+71	Duke Matting			X	124	12						
2**	L- 39+03 to 39+36	Duke Aerial Utility Easement			X	1413	833						
TOTALS*:						1537	845	0	0	0	0	0	0

NOTES:

*Temporary matting will be used to minimize impacts where needed

**Amount of impact for Non-sewer aerial lines are deemed allowable according to buffer rules.

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WETLANDS IN BUFFER IMPACTS SUMMARY

			WETLANDS IN BUFFERS	
SITE NO.	STATION (FROM/TO)		ZONE 1 (ft ²)	ZONE 2 (ft ²)
1	L- 38+16 to 38+71	Duke Matting	124	12
2	L- 39+07.58 to 39+63	Duke Aerial Utility Easement	359	65
TOTAL:			359	65

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