



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

JOSH STEIN
GOVERNOR

DANIEL H. JOHNSON
SECRETARY

June 2, 2026

MEMORANDUM TO: Division Environmental and Construction Units

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

SUBJECT: Environmental Permits for Improvements to SR1725 (Firetower Road) and SR1726 (Portertown Road) in Pitt County, Division 2, **TIP: U-5785.**

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, 2030
NC Division of Water Resources Section 401 Water Quality Certification	General Certification No. 7679 [RGP50]	May 25, 2030
NC Division of Water Resources Riparian Buffer Authorization	Tar-Pamlico Riparian Buffer Authorization	May 6, 2031

Work is authorized by the above referenced documents 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/EnvironmentalPermits/General_Conditions_and_Certifications/

The Project Commitments “Greensheet” is located on the Preconstruction SharePoint Dashboard at <https://connect.ncdot.gov/site/preconstruction>



DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS, WASHINGTON DISTRICT
WILMINGTON REGULATORY OFFICE
69 DARLINGTON AVENUE
WILMINGTON NORTH CAROLINA 28403

May 27, 2026

Regulatory Division
SAW-2018-01115

Sent Via Email: jldilday1@ncdot.gov

Jason Dilday
Applicant
NCDOT
1598 Mail Service Center
Raleigh, NC 27699-1598

Dear Mr. Dilday:

This letter is in response to the application you submitted to the Washington District, WRDA/Transportation Branch on April 2, 2026 for a Department of the Army general permit verification. This project has been assigned the file number SAW-2018-01115 and is known as NCDOT U-5785 U-5870 Firetower Rd Portertown Rd Widening Meetinghouse Run. This file number should be referenced in all correspondence concerning this project.

A review of the information provided indicates that the proposed work would include the widening of Firetower Road from a two-lane undivided road to a four-lane, raised median divided road.. The project/review area is SR 1708 (E Fire Tower Road) from west of E Arlington Boulevard to Portertown Road SR 1726, at Latitude 35.574800 and Longitude -77.326800; in Greenville, Pitt County, North Carolina.

Aquatic Resource	Resource Type	Activity	Duration	Amount
Fill	Non-Tidal Wetland	Discharge of fill material	Permanent	0.007 acres - fill area drg fill acre
Utility Installation	River/Stream	Conversion of waters type (forested wetland to emergent wetland, stream to lake)	Temporary	26 ft - fill length 0.0035813 acres - fill area drg fill acre
Culvert	River/Stream	Discharge of fill material	Temporary	17 ft - fill length 0.0007805 acres

				- fill area drg fill acre
Bridge Construction	River/Stream	Discharge of fill material	Temporary	53 ft - fill length 0.0194674 acres - fill area drg fill acre
Bank Stabilization	River/Stream	Discharge of fill material	Permanent	20 ft - fill length 0.0009183 acres - fill area drg fill acre
Culvert	River/Stream	Discharge of fill material	Permanent	90 ft - fill length 0.0041322 acres - fill area drg fill acre
Outfall protection/utility install	River/Stream	Discharge of fill material	Permanent	22 ft - fill length 0.0025253 acres - fill area drg fill acre
Outfall protection/utility install	River/Stream	Discharge of fill material	Temporary	11 ft - fill length 0.0012626 acres - fill area drg fill acre

We have determined that the proposed work is authorized by RGP 50 pursuant to authorities under Section 404 of the Clean Water Act (33 U.S.C § 1344). The proposed work must be accomplished in strict accordance with the enclosed general permit conditions, any regional conditions, the special conditions listed in this letter, the application materials, and the enclosed plans. If the extent of the project area and/or nature of the authorized impacts to waters are modified, a revised application must be submitted to this office for written approval before work is initiated. Any deviation from the terms and conditions of the permit, or your submitted plans, may subject the permittee to enforcement action.

This verification is valid until May 25, 2030, unless the subject general permit(s) is suspended, revoked, or is modified prior to that date such that the activity no longer complies with the terms and conditions of the general permit.

Project Specific Special Conditions:

1. The U.S. Fish and Wildlife Service's (USFWS's) Programmatic Conference Opinion (PCO) titled "Bridge and Culvert Replacements/Repair/Rehabilitation Effects on Carolina Madtom and Neuse River Waterdog In NCDOT Divisions 2, 4, 5, and 7" dated May 7, 2020, contains mandatory terms and conditions to implement the reasonable and prudent measures that are associated with "incidental take" that are specified in the PCO. The USFWS adopted the PCO as

the Programmatic Biological Opinion (PBO) for the effects of this action on August 3, 2021. Your authorization under this Corps permit is conditional upon your compliance with all the mandatory terms and conditions associated with incidental take of the PBO, 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 PBO, 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 PBO, and with the ESA.

2. The U.S. Fish and Wildlife Service's (USFWS's) Programmatic Biological/Conference Opinion (PBO/PCO) titled "Bridge and Culvert Replacements/Repairs/Rehabilitations in Eastern North Carolina, NCDOT Divisions 1-8)," dated September 11, 2019, including the June 1, 2021 Addendum for Yellow Lance (*Elliptio lanceolata*) contains mandatory terms and conditions to implement the reasonable and prudent measures that are associated with "incidental take" that are specified in the PBO/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 PBO/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 PBO/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 PBO/PCO, and with the ESA.
3. To ensure that all borrow and waste activities occur on high ground and do not result in the degradation of adjacent waters and wetlands, except as authorized by this permit, the Permittee shall require its contractors and/or agents to identify all areas to be used as borrow and/or waste sites associated with this project. The Permittee shall provide the U.S. Army Corps of Engineers with appropriate maps indicating the locations of proposed borrow and/or waste sites as soon as such information is available. The Permittee shall submit to the Corps site-specific information needed to ensure that borrow and/or waste sites comply with all applicable Federal requirements, to include compliance with the Endangered Species Act and the National Historic Preservation Act, such as surveys or correspondence with agencies (e.g., the USFWS, the NC-HPO, etc.). The required information shall also include the location of all aquatic features, if any, out to a distance of 400 feet beyond the nearest boundary of the site. The Permittee shall not approve any borrow and/or waste sites before receiving written confirmation from the Corps that the proposed site meets all Federal requirements, whether or not waters of the U.S., including wetlands, are located in the proposed borrow and/or waste site. All delineations of aquatic sites on borrow and/or waste sites shall be verified by the U.S. Army Corps of Engineers and shown on the approved reclamation plans. The Permittee shall ensure that

all borrow and/or waste sites comply with Special Condition 1, second paragraph of this permit. Additionally, the Permittee shall produce and maintain documentation of all borrow and waste sites associated with this project. This documentation will include data regarding soils, vegetation, hydrology, any delineation(s) of aquatic sites, and any jurisdictional determinations made by the Corps to clearly demonstrate compliance with Special Condition 1, second paragraph. All information will be available to the U.S. Army Corps of Engineers upon request. The Permittee shall require its contractors to complete and execute reclamation plans for each borrow and/or waste site and provide written documentation that the reclamation plans have been implemented and all work is completed. This documentation will be provided to the U.S. Army Corps of Engineers within 30 days of the completion of the reclamation work.

This general permit verification and any associated authorizations does not preclude the necessity to obtain any other Federal, State, or local permits, licenses, and/or certifications, which may be required.

If you have any questions related to this verification or have issues accessing documents referenced in this letter, please contact Kyle Barnes, Transportation Project Manager of the WRDA/Transportation Branch at 910-251-4584, by mail at the above address, or by email at kyle.w.barnes@usace.army.mil. Please take a moment to complete our customer satisfaction survey located at <https://regulatory.ops.usace.army.mil/customer-service-survey/>.

Sincerely,

A handwritten signature in black ink, appearing to read "James Laster", is centered within a light blue rectangular background.

M. Scott Jones, PWS.
WRDA/Transportation Branch Chief
USACE Wilmington District

<p>U.S. Army Corps of Engineers (USACE)</p> <p>CERTIFICATION OF COMPLIANCE WITH DEPARTMENT OF THE ARMY PERMIT</p> <p>For use of this form, see Section 404 of the Clean Water Act, Section 10 of the Rivers and Harbors Act of 1899, and Section 103 of the Marine Protection, Research, and Sanctuaries Act; the proponent agency is CECW-COR.</p>	<p><i>Form Approved -</i></p> <p><i>OMB No. 0710-0003</i></p> <p><i>Expires 2027-10-31</i></p>
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The Agency Disclosure Notice (ADN)

The Public reporting burden for this collection of information, 0710-0003, is estimated to average 10 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or burden reduction suggestions to the Department of Defense, Washington Headquarters Services, at whs.mc-alex.esd.mbx.dd-dod-information-collections@mail.mil. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.

PURPOSE: This form is used by recipients of U.S. Army Corps of Engineer Regulatory permits to certify compliance with the permit terms and conditions.

Your permitted activity is subject to a compliance inspection by a U.S. Army Corps of Engineers representative. If you fail to comply with this permit, you are subject to permit suspension, modification, or revocation.

Upon completion of the activity authorized by this permit and any mitigation required by the permit, sign this certification and return it to the U.S. Army Corps of Engineers, Washington District, Regulatory Office.

The certification can be submitted by email at kyle.w.barnes @usace.army.mil or by mail at the below address:

U.S. Army Corps of Engineers
 Washington Field Office
 Street Address: 2407 West 5th Street
 City: Washington State: North Carolina Zip Code: 27928

COMPLETED BY THE CORPS

Corps Action Number:	SAW-2018-01115
Permit Type: <u>General Permit</u>	
General Permit Number and Name (if applicable):	
Name of Permittee:	Jason Dilday
Project Name:	NCDOT U-5785 U-5870 Firetower Rd Portertown Rd Widening Meetinghouse Run
Project Location (physical address):	Greenville, North Carolina

PERMITTEE'S CERTIFICATION

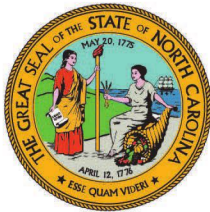
Date Work Started: _____

Date Work Completed: _____

Enclose photographs showing the completed project (if available).

I _____ hereby certify that the work authorized by the above referenced permit has been completed in accordance with all of the permit terms and conditions, and that any required compensatory mitigation has been completed in accordance with the permit conditions.

Name	Date	Signature
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NORTH CAROLINA
Environmental Quality

May 6, 2026

JOSH STEIN
Governor

D. REID WILSON
Secretary

RICHARD E. ROGERS, JR.
Director

DWR 20260354 v1
Pitt County

Mr. Jason Dilday
Environmental Analysis unit
North Carolina Department of Transportation
1598 Mail Service Center
Raleigh, NC 27699

Delivered via email to: jldilday1@ncdot.gov

Subject: Approval of Individual 401 Water Quality Certification

Road Widening - SR 1708 & Sr 1726 (U-5785)
USACE Action ID. No. SAW-2018-01115

Location: 35.5735134, 77.3317352

Dear Mr. Dilday:

Attached hereto is a copy of Certification No. WQC008853 issued to North Carolina Department of Transportation dated May 6, 2026. This approval is for the purpose and design described in your application.

This Water Quality Certification does not relieve the recipient of the certificate (or the Permittee) of responsibility to obtain all other required Federal, State, or Local approvals before proceeding with the project, including those required by, but not limited to, Sediment and Erosion Control, Non-Discharge, Water Supply Watershed, and Trout Buffer regulations.

Upon the presentation of proper credentials, the Division of Water Resources (Division or DWR) may inspect the property.

This Water Quality Certification shall expire on the same day as the expiration date of the corresponding Section 404 Permit that is current at the time this Certification is issued. The conditions shall remain in effect for the life of the project, regardless of the expiration date of this Water Quality Certification.



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

Non-compliance with or violation of the conditions herein set forth may result in revocation of this Water Quality Certification for the project and may also result in criminal and/or civil penalties.

Notice regarding the right to contest this 401 Water Quality Certification decision is attached to this letter.

This letter completes the DWR's review under Section 401 of the Clean Water Act and 15A NCAC 02H .0500. Please contact Paul Nyarko at 252-948-3917 or paul.nyarko@deq.nc.gov if you have any questions or concerns.

Sincerely,

Signed by:

Faithy Hardin

3185423002EA45E...

Faithy Hardin, Supervisor

401 & Buffer Permitting Branch / RO

Electronic cc: Parker Johnson, NCDOT, pfjohnson@ncdot.gov
Chris Rivenbark, crivenbark@rkk.com
Kyle Barnes, USACE Washington kyle.w.barnes@usace.army.mil
Elizabeth Harmon, DMS, beth.harmon@deq.nc.gov
Travis Wilson, travis.wilson@ncwildlife.gov
DWR 401 & Buffer Permitting Branch Electronic file



NOTICE REGARDING THE RIGHT TO CONTEST A DWR 401 WATER QUALITY CERTIFICATION DECISION**Right of Persons Aggrieved to File a Contested Case for the Issuance of a 401 Water Quality Certification:**

Pursuant to 15A NCAC 02H .0507(f), the Division's decision on a 401 Water Quality Certification application is subject to review under NCGS 150B-23.

Rights of Persons Aggrieved to File a Contested Case: Pursuant to NCGS 150B, Article 3, a party or person aggrieved may commence a contested case by filing a petition under NCGS 150B-23 in the Office of Administrative Hearings within 60 days after the Division provides notice of its decision on a certification application, as provided in NCGS 150B-23(f). If no contested case is commenced within the required time, the Division's decision is final and is not subject to review.

General Filing Instructions: A petition for contested case hearing must be in the form of a written petition, conforming to NCGS 150B-23, and filed with the Office of Administrative Hearings, 1711 New Hope Church Road, Raleigh NC, 27609, along with a fee in an amount provided in NCGS 150B-23.2. A petition for contested case hearing form may be obtained upon request from the Office of Administrative Hearings or on its website at <https://www.oah.nc.gov/hearings-division/filing/hearing-forms>. Additional specific instructions for filing a petition are set forth at 26 NCAC Chapter 03.

Service Instructions: A party filing a contested case is required to serve a copy of the petition, by any means authorized under 26 NCAC 03 .0102, on the process agent for the Department of Environmental Quality:

Daniel Hirschman, General Counsel
North Carolina Department of Environmental Quality
1601 Mail Service Center
Raleigh, North Carolina 27699-1601

If the party filing the petition is a person aggrieved other than the recipient of the certificate (or the Permittee), the party **must also** serve the Permittee in accordance with NCGS 150B-23(a).

Be aware that other rules or laws may apply to the filing of a petition for a contested case. Additional information is available at <https://www.oah.nc.gov/hearings-division/hearing-process/filing-contested-case>. Please contact the Office of Administrative Hearings at (984) 236-1850 with all questions regarding the filing fee and/or the details of the filing process.



NORTH CAROLINA 401 WATER QUALITY CERTIFICATION

CERTIFICATION #WQC008853 is issued in conformity with the requirements of Section 401, Public Laws 92-500 and 95-217 of the United States and subject to North Carolina’s Regulations in 15 NCAC 02H .0500 and 15A NCAC 02B .0200, to NCDOT, who have authorization for the impacts listed below, as described within your application received by the N.C. Division of Water Resources (DWR) on March 24, 2026 and within the *Reasonable Period of Time* pursuant to 40 CFR Part 121.6.

The State of North Carolina certifies that this activity will comply with water quality requirements and the applicable portions of Sections 301, 302, 303, 306, 307 of the Public Laws 92-500 and PL 95-217 if conducted in accordance with the application, the supporting documentation, and conditions hereinafter set forth.

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

Type of Impact	Amount Approved Permanent	Amount Approved Temporary
Intermittent Streams		
Site 1 / UT to Hardee Creek (SC) Tar- Pamlico / Culvert Replacement	90 linear feet	0
Site 2/ UT to Hardee Creek (SC) Tar- Pamlico / Culvert access	0	17 linear feet
Site 3 / UT to Hardee Creek (SC) Tar- Pamlico / / Bank stabilization (riprap)	20 linear feet	0
Site 4/ Hardee creek) Tar- Pamlico / Bridge Construction	0	53 linear feet
Site 5/ UT to Meeting House Branch (SF) Tar- Pamlico / Outfall protection & utility tie-in	22 Linear feet	0



Site 6/ UT to Meeting House Branch (SF) Tar- Pamlico / Outfall protection construction	0	11 Linear feet
Site 5/ Fork Swamp Neuse River / Utility installation (stream crossing)	0	26 linear feet
<i>Totals:</i>	<i>132 linear feet</i>	<i>107 linear feet</i>
Riparian Wetlands		
Site 2 / Riverine Swamp / Utility Installation/ Hand clearing	0 acres	0.03 acres
Site 4 / Riverine swamp/ riprap	< 0.01 acres	0
<i>Totals:</i>	<i>< 0.01 acres</i>	<i>0.03 acres</i>

This approval requires you to follow the conditions listed in the Certification below.

CONDITIONS OF CERTIFICATION [15A NCAC 02H .0507(c)]:

1. The plans and specifications for this project are incorporated by reference as part of this Water Quality Certification. Any final construction plans for a project must include or reference the application and plans submitted to the DWR. The Permittee must evaluate all other permits acquired to ensure that they are consistent with the plans submitted to the DWR, and all relative impacts are accounted for and shown on the final construction plans. Any modifications or additional impacts to streams and/or wetlands and/or waters within the project require the permittee to notify the DWR and may require submission of a new application package with the appropriate fee.

Citation: 15A NCAC 02H .0506(b)(2) and (3); 15A NCAC 02H .0507(c)

2. If the property is sold, the Permittee shall provide the new owner with a copy of this Certification and all plans and specifications incorporated by reference. The Permittee may transfer a Certification to the new owner by submitting a letter to the Division with the following statement: *“At the time the property is transferred, the terms and conditions of this 401 Individual Water Quality Certification, including the responsibility to ensure compliance, are binding on the new owner(s) of the property.”* The letter shall be signed and dated by both the transferee and the new owner. *Citation: 15A NCAC 02H .0507(d)(2)*



3. The Permittee shall allow the Director, or an authorized representative (including an authorized contractor acting as a representative of the Director), upon the presentation of credentials and other documents as may be required by law, to: *Citation: 15A NCAC 02H .0502(e); 15A NCAC 02H .0507(c)*
 - a. Enter, at reasonable times, upon the Permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this certificate;
 - b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this certificate;
 - c. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this certificate; and
 - d. Sample or monitor at reasonable times, for the purposes of assuring certificate compliance or as otherwise authorized by the Clean Water Act, any substances or parameters at any location
4. For all projects that include multiple parcels and/or lots, including transportation and/or utility-related projects installed as infrastructure for multiple parcels and/or lots, deed notifications or similar mechanisms shall be placed on all lots/parcels that include jurisdictional wetlands, streams, open waters, and state-regulated riparian buffers within the overall project boundaries. These mechanisms shall be put in place at the time of recording of the property or individual parcels, whichever is appropriate.

Citation: 15A NCAC 02H .0502(a); 15A NCAC 02H .0506(b); 15A NCAC 02H .0507(c)

5. DWR approves the stormwater drainage design as shown in the 401 application, under the assumption that it meets the requirements of the NCDOT NPDES permit #NCS000250. These plans are enforceable by DWR. Changes to the approved plans are prohibited without prior approval from DWR. If sediment or other pollutants are found to be discharged from the stormwater outfalls, DWR may take enforcement action. NCDOT and DWR shall assess the damage to water quality standards and implement an appropriate action plan to address the impacts. The action plan shall provide an appropriate timeline for implementation as agreed upon by both DWR and NCDOT. This may require NCDOT to obtain a modification to its current 401 and 404 permits.
6. For High Density Development projects subject to a State, or State approved Local Government Delegated Program, the Permittee shall secure an *approved* stormwater management plan (SMP) from the appropriate agency **before any** impacts authorized in this Certification occur. Before any permanent building or other permanent structure is occupied at the site the permanent stormwater management control measures or devices for the building and/or structures shall be constructed and operational. If any Erosion and Sediment Control devices share locations with any of the Stormwater Control Measures, the area must be restored to the approved stormwater design conditions within 30 days of close-out of the Erosion and Sediment Control Plan.

Citation: 15A NCAC 02H .0506(b)(2) and (3); 15A NCAC 02H .0507(c)



7. For phased projects with conceptual future phases, when final design plans are completed, the Permittee shall ensure that final designs shall reflect all appropriate avoidance and minimization of impacts to wetlands, streams, and other surface waters.

Citation: 15A NCAC 02H .0506(b)(2) and (3); 15A NCAC 02H .0507(c)

8. All wetlands, streams, and surface waters located within the limits of disturbance and within 50 feet of the limits of disturbance/construction area on the project site shall be clearly marked (example- orange fabric fencing) prior to any land disturbing activities. The marking/fencing shall be maintained until the project or project phase is completed. Impacts to areas within the marked area/fencing are prohibited unless otherwise authorized by this certification.

Citation: 15A NCAC 02H .0506(b)(2); 15A NCAC 02H .0507(c)

9. When requested by DWR, the Permittee and/or authorized agent shall schedule a pre-construction meeting with DWR, shall contact the appropriate DWR Regional Office upon project commencement of construction, shall submit a Certificate of Completion and/or shall provide as-built documentation.

Citation: 15A NCAC 02H .0502(e); 15A NCAC 02H .0506(b); 15A NCAC 02H .0507(c)

10. For projects that include draining a pond or lake, appropriate erosion and sediment control measures shall be utilized while draining the pond or lake to ensure limited impact to downstream waters as well as to native aquatic species. Such measures shall also be utilized to avoid any sediment release into downstream waters as a result of pond draining. The permittee shall observe any natural channel re-establishment, or utilize natural channel construction techniques, to ensure that the jurisdictional stream channel above and below the drained pond remain stable, and that no additional impacts occur within the natural stream channel as a result of draining the pond. The Permittee shall consult with NCWRC prior to the relocation or release of any aquatic species during pond draining or dam removal activities. During pond or lake refill, sufficient flow shall be continually released to the receiving stream to ensure aquatic life survival and maintenance of biological integrity.

Citation: 15A NCAC 02H .0506(b)(2); 15A NCAC 02H .0507(c)

11. The permittee shall report to the appropriate DWR 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.

Citation: 15A NCAC 02H .0506(b); 15A NCAC 02H .0507(c)

12. No additional temporary or permanent impacts from waste, spoil, solids, fill, excavation, or staging of equipment, shall occur in wetlands or waters beyond the footprint of the impacts (including temporary impacts) identified in this Certification.



Citation: 15A NCAC 02H .0506; 15A NCAC 02H .0507(c)

13. All activities shall be in compliance with any applicable State Regulated Riparian Buffer Rules in Chapter 2B of Title 15A in the North Carolina Administrative Code.

Citation: 15A NCAC 02H .0506(b); 15A NCAC 02H .0507(c)

14. When applicable, all construction activities shall be performed and maintained in full compliance with G.S. Chapter 113A Article 4 (Sedimentation Pollution Control Act of 1973). Regardless of applicability of the Sedimentation 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.

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 Erosion and Sediment Control Planning and Design Manual*, or the *North Carolina Department of Transportation Erosion and Sediment Control Design and Construction Manual*.

Appropriate measures should be installed prior to any land clearing activities to protect wetlands, streams, and/or buffers from turbidity and/or sedimentation. These measures should be routinely inspected and properly maintained, and excavated materials should be contained outside wetland, stream, and/or buffer boundaries.

For installation of bridges that involve driving or drilling activities within stream channels, open waters, or along streambanks turbidity curtains shall be installed within the surface water.

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.

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.

If the project occurs in waters or watersheds classified as Primary Nursery Areas (PNAs), SA, WS-I, WS-II, 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 Watersheds*.

Citation: 15A NCAC 02H .0506(b)(2); 15A NCAC 02H .0507(c); 15A NCAC 02B .0200; 15A NCAC 02B .0231



15. Sediment and Erosion Control Measures (S&EC) in wetlands or waters should be avoided to the maximum extent possible and any S&EC occurring in wetlands or waters shall be restored to pre-existing conditions upon completion of the project. The Permittee shall utilize sediment and erosion control measures that avoid and minimize the need for the placement of silt fence along streams at the normal water level. Where measures are placed within authorized impact areas then placement of such measures shall not be conducted in a manner that results in a loss of function of any wetlands, streambeds, or streambanks. Any erosion control measures, including silt fence, installed within wetlands shall be removed from wetlands and the natural grade restored and revegetated within two (2) months of the date the appropriate sediment and erosion control program has released the specific area within the project to ensure wetland standards are maintained upon completion of the project.

Citation: 15A NCAC 02H .0506(b); 15A NCAC 02H .0507(c); 15A NCAC 02B .0200; 15A NCAC 02B .0231

16. Erosion control matting shall not be placed within a stream bed. Erosion control matting that incorporates plastic mesh and/or plastic twine shall not be used along streambanks or within wetlands.

Citation: 15A NCAC 02H .0506(b); 15A NCAC 02H .0507(c)

17. If the project is covered by NPDES Construction Stormwater Permit Number NCG010000 or NPDES Construction Stormwater Permit Number NCG250000, full compliance with permit conditions including the erosion and sedimentation control plan, inspections and maintenance, self-monitoring, record keeping and reporting requirements is required.

Citation: 15A NCAC 02H .0506(b) and (c); 15A NCAC 02H .0507(c)

18. The North Carolina Department of Transportation (NCDOT) shall maintain full compliance with the conditions related to construction activities and post construction stormwater design, construction and maintenance, within the most recent version of their Individual NPDES Stormwater Permit Number NCS000250.

Citation: 15A NCAC 02H .0506(b); 15A NCAC 02H .0507(c); 15A NCAC 02B .0200; 15A NCAC 02B .0231

19. For projects impacting waters classified by the NC Environmental Management Commission as High Quality Waters (HQW), including Water Supply I or II (WSI, WSII) and/or as Outstanding Resources Waters (ORW) post construction stormwater shall be managed in accordance with 15A NCAC 02B .0224(d) or .0225 as applicable.



20. All work in or adjacent to streams, ponds, lakes, and reservoirs shall be conducted so that the work area is isolated from surface waters. Approved best management practices from the most current version of the DEMLR [NC Erosion and Sediment Control Planning and Design Manual](#), or the *NC Department of Transportation Best Management Practices For Construction and Maintenance Activities Manual*, such as sandbags, rock berms, cofferdams, pump-arounds, and other diversion structures shall be used to minimize excavation in flowing water. Water that comes in contact with the work area shall be treated through an appropriate sediment/erosion control measure (sediment basin, filter bag, etc.) prior to discharging to a surface water. All temporarily disturbed areas for the purpose of isolation/dewatering shall be restored to original grade, including each stream's original cross-sectional dimensions, planform pattern, and longitudinal bed profile. All temporarily impacted sites shall be restored and stabilized with native vegetation as practicable. *Citation: 15A NCAC 02H .0506(b); 15A NCAC 02H .0507(c); 15A NCAC 02B .0200*

21. Work within a designated trout watershed as identified by the Wilmington District of the US Army Corps of Engineers or work within identified state or federal endangered or threatened species habitat shall be coordinated with NCWRC and/or DMF prior to initiating of project activities.

The Permittee shall adhere to NCWRC and/or DMF recommended moratoria. Exceptions to this condition require written approval by the resource agency responsible for the given moratorium. If activities must occur during periods of high biological activity of aquatic species (e.g. sea turtle nesting, fish spawning, or bird nesting) all biological surveys, relocations, and/or monitoring requested by the state agency must be conducted.

Citation: 15A NCAC 02H .0506(b); 15A NCAC 02H .0507(c); 15A NCAC 04B .0125

22. 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 under this Certification.

Citation: 15A NCAC 02H .0506(b); 15A NCAC 02H .0507(c); 15A NCAC 02B .0200

23. Unless already approved by an NPDES permit, bridge deck drains shall not discharge directly into the stream. Stormwater shall be directed across the bridge and pre-treated through site-appropriate means to the maximum extent practicable (e.g. grassed swales, pre-formed scour holes, vegetated buffers, etc.) before entering the stream. This condition may be waived with prior written approval from the NCDWR.

Citation: 15A NCAC 02H .0506(b); 15A NCAC 02H .0507(c)

24. Demolition of existing structures, such as culvert or bridge removal, shall be conducted to ensure water quality standards are maintained. NCDOT activities shall adhere to NCDOT's *Best Management Practices for Construction and Maintenance Activities*.

Citation: 15A NCAC 02H .0506(b); 15A NCAC 02H .0507(c); 15A NCAC 02B .0200



25. Rip-rap groins proposed in accordance with 15A NCAC 07H .1401 (NC Division of Coastal Management General Permit for construction of Wooden and Rip-rap Groins in Estuarine and Public Trust Waters) shall meet all the specific conditions for design and construction specified in 15A NCAC 07H .1405.

Citation: 15A NCAC 02H .0507(c); 15A NCAC 07H .1400

26. For all dam removal projects meeting the definition under G.S. 143-215.25 and requirements under G.S. 143-215.27 of a professionally supervised dam removal, the applicant shall provide documentation that any sediment that may be released has similar or lower level of contamination than sediment sampled from downstream of the dam in accordance with Session Law 2017-145.

Citation: 15A NCAC 02H .0502; 15A NCAC 02H .0506(b); 15A NCAC 02H .0507(c); 15A NCAC02B .0200; S.L. 2017-145;

27. Culverts shall be designed and installed in such a manner that the original stream profiles are not altered and allows for aquatic life movement during low flows. The dimension, pattern, and profile of the stream above and below a pipe or culvert shall not be modified by widening the stream channel or by reducing the depth of the stream in connection with the construction activity. The width, height, and gradient of a proposed culvert shall be such as to pass the average historical low flow and spring flow without adversely altering flow velocity. If the width of the culvert is wider than the stream channel, the culvert shall include multiple boxes/pipes, baffles, benches and/or sills to maintain the natural width of the stream channel. If multiple culverts/pipes/barrels are used, low flows shall be accommodated in one culvert/pipe and additional culverts/pipes shall be installed such that they receive only flows above bankfull.

Placement of culverts and other structures in streams shall also meet one of the following requirements:

- a. For structures less than 72" in diameter/width and in area where topographic constraints dictate culvert slopes will be greater than 2.5%, culverts shall be installed "at grade" such that low flow conditions in the stream are maintained provided that all alternative options for flattening the slope have been investigated and aquatic life movement/connectivity has been provided when possible (e.g. rock ladders, cross-vanes, sills, baffles etc.); or
- b. When bedrock is present in culvert locations, culvert burial is not required, provided that there is documentation of the presence of bedrock.
- c. For all other culverts:
 - i. Culverts with a diameter greater than 48 inches shall be below the elevation of the streambed by one foot
 - ii. Culverts with diameter less than or equal to 48 inches shall be below the streambed by 20% of the culvert diameter

If a culvert outlet is submerged within a pool or scour hole and designed to provide for aquatic passage, then culvert burial into the streambed is not required.



Documentation such as a location map of the culvert, culvert profile drawings, slope calculations, geotechnical reports, photographs, etc. shall be provided to DWR upon written request.

For culvert replacements within the same location/footprint, and of similar length, culverts shall be designed and installed to meet the above requirements of this Condition unless prohibited by existing conditions on site, such as existing infrastructure or topographic constraints.

Installation of culverts in wetlands shall ensure continuity of water movement and be designed to adequately accommodate high water or flood conditions. When roadways, causeways, or other fill projects are constructed across FEMA-designated floodways or wetlands, openings such as culverts or bridges shall be provided to maintain the natural hydrology of the system as well as prevent constriction of the floodway that may result in destabilization of streams or wetlands.

The establishment of native woody vegetation and other soft stream bank stabilization techniques shall be used where practicable instead of rip-rap or other bank hardening methods.

Citation: 15A NCAC 02H .0506(b); 15A NCAC 02H .0507(c)

28. Application of fertilizer to establish planted/seeded vegetation within disturbed riparian areas and/or wetlands shall be conducted at agronomic rates and shall comply with all other Federal, State and Local regulations. Fertilizer application shall be accomplished in a manner that minimizes the risk of contact between the fertilizer and surface waters.

Citation: 15A NCAC 02H .0506(b); 15A NCAC 02H .0507(c); 15A NCAC 02B .0231

29. Discharging hydroseed mixtures and washing out hydro seeders and other equipment in, or adjacent to, surface waters is prohibited.

Citation: 15A NCAC 02H.0506(b)

30. If concrete is used during construction (including bulkhead components, such as deadman anchors, tie-back systems and concrete caps), then all necessary measures shall be taken to isolate the concrete from waters of the state by maintaining a dry work area to prevent direct contact between curing concrete and surface waters. Drill slurry and water that inadvertently contacts uncured concrete shall not be discharged to waters of the state. Water that inadvertently contacts uncured concrete shall not be discharged to surface waters due to the potential for elevated pH and possible aquatic life and fish kills. Any water that contacts uncured concrete shall be captured, treated, and disposed of properly.

Citation: 15A NCAC 02H .0506(b); 15A NCAC 02H .0507(c); 15A NCAC 02B .0200; 15A NCAC 02B .0231



31. All temporary pipes, culverts, rip-rap pads etc. in streams shall be installed so as not to restrict stream flow or installed in such a manner that restricts aquatic life movement during low flow conditions. All temporary pipes and/or culverts shall be installed as outlined in the most recent edition of the *North Carolina Erosion and Sediment Control Planning and Design Manual* or the *North Carolina Surface Mining Manual* or the *North Carolina Department of Transportation Best Management Practices for Construction and Maintenance Activities*.

Citation: 15A NCAC 02H .0506(b); 15A NCAC 02H .0507(c)

32. All temporary fill and temporary culverts shall be removed, and the impacted area shall be returned to natural conditions, within 60 calendar days after the temporary impact is no longer necessary. The impacted areas shall be restored to original grade, including each stream's original cross-sectional dimensions, planform pattern, and longitudinal bed profile. All temporarily impacted sites shall be restored and stabilized with native vegetation when practicable. For all areas where wetlands are impacted by temporary roads constructed by temporary fill material, the Permittee shall remove the fill material and conduct activities necessary to restore preconstruction hydrology by addressing soil compaction. When temporary fill has been added to wetlands, or heavy equipment has been placed within a wetland, the Permittee shall ensure restoration of preconstruction soil conditions when restoring wetland areas. Upon restoration of the wetland, the Permittee shall inspect the area quarterly for a minimum of two years to document successful restoration. The Permittee shall provide documentation of inspections to DWR when requested. The monitoring requirement can be relieved with review and written approval by DWR. If the area is not restored to preconstruction conditions the impacts shall be considered permanent, and the Permittee shall request a modified Certification from DWR. With prior written approval from DWR, removal of temporary fill and temporary culverts and restoration of the impacted area may be postponed to accommodate moratorium periods.

Citation: 15A NCAC 02H .0506(b); 15A NCAC 02H .0507(c)

33. Any rip-rap or other armoring materials required for proper culvert placement, stream stabilization, or restoration of temporarily disturbed areas shall be restricted to the area directly impacted by the construction activity covered by this Certification. All rip-rap or other non-natural armoring material placed in streams shall be placed such that the original streambed elevation and streambank contours are restored, and that the finished elevation of the rip rap shall not exceed that of the original stream bed. All rip-rap or other armoring materials shall consist of clean rock or masonry material free of debris or toxic pollutants. Placement of rip-rap or other armoring 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.

Citation: 15A NCAC 02H .0506(b); 15A NCAC 02H .0507(c)



34. Any rip-rap or other non-natural armoring material (i.e. gabion baskets, revetments, bulkheads, seawalls, retaining walls) used for stream or shoreline stabilization shall be of a size and density to prevent movement by wave, current action, or stream flows, and shall consist of clean rock or masonry material free of debris or toxic pollutants. Rip-rap or other armoring materials shall not be installed in the streambed except in specific areas required for velocity control and to ensure structural integrity of bank stabilization measures. Any rip-rap or other armoring materials placed in the streambed shall be such that the finished elevation of the rip rap or other armoring materials shall not exceed that of the original stream bed.

Citation: 15A NCAC 02H .0506(b); 15A NCAC 02H .0507(c); 15A NCAC 02B .0201

35. All mechanized equipment operated near surface waters shall be inspected and maintained regularly to prevent contamination of surface waters from fuels, lubricants, hydraulic fluids, or other toxic materials. Construction shall be staged in order to minimize the exposure of equipment to surface waters to the maximum extent practicable. Fueling, lubrication, and general equipment maintenance shall be performed in a manner to prevent, to the maximum extent practicable, contamination of surface waters by fuels and oils.

Citation: 15A NCAC 02H .0506(b); 15A NCAC 02H .0507(c); 15A NCAC 02B .0200; 15A NCAC 02B .0231

36. Heavy equipment working in wetlands shall be placed on mats or non-impact equipment shall be used to ensure no disturbance and/or compaction of soil from equipment except within the footprint of the impacts covered by this Certification. Heavy equipment necessary for in stream activities shall be operated from the banks to the maximum extent practical and in no cases shall cause unstable stream banks or a violation of water quality standards.

Citation: 15A NCAC 02H .0506(b); 15A NCAC 02H .0507(c); 15A NCAC 02B .0231

37. In accordance with G.S. 143-215.85(b), the Permittee shall report any petroleum spill of 25 gallons or more; any spill regardless of amount that causes a sheen on surface waters; any petroleum spill regardless of amount occurring within 100 feet of surface waters; and any petroleum spill less than 25 gallons that cannot be cleaned up within 24 hours.

Citation: 15A NCAC 02H .0507(c); N.C.G.S 143-215.85(b)

38. The Permittee and their authorized agents shall conduct all 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.

Citation: 15A NCAC 02H .0506(b); 15A NCAC 02H .0507(c)



39. A copy of this Certification shall be retained on site during the construction and maintenance of this project, or with the project manager, and be available for inspection at all times. The Permittee shall require its contractors and/or agents to comply with the terms and conditions of this Certification 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 Certification. If the Permittee becomes aware of any inability to comply with any of the conditions of this Certification, they must notify the appropriate 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.

Citation: 15A NCAC 02H .0506(b); 15A NCAC 02H .0507(c)

40. This Water Quality Certification neither grants nor affirms any property right, license, or privilege in any lands or waters, or any right of use in any waters. This Water Quality Certification does not authorize any person to interfere with the riparian rights, littoral rights, or water use rights of any other person and does not create any prescriptive right or any right of priority regarding any usage of water. This Water Quality Certification shall not be interposed as a defense in any action respecting the determination of riparian or littoral rights or other rights to water use. No consumptive user is deemed by virtue of this Water Quality Certification to possess any prescriptive or other right of priority with respect to any other consumptive user.

Citation: 15A NCAC 02H .0506(b); 15A NCAC 02H .0507(c)

This Water Quality Certification shall expire on the same day as the expiration date of the corresponding Section 404 Permit that is current at the time this Certification is issued. The conditions shall remain in effect for the life of the project, regardless of the expiration date of this Water Quality Certification.

Upon completion of the proposed project, the applicant shall submit a Certificate of Completion and/or shall provide as-built documentation. Certificates of Completion and/or as-built documentation can be submitted via the DWR website: <https://edocs.deq.nc.gov/Forms/Certificate-of-Completion>.

This, the 6 day of May 2026

Signed by:

Faith Hardin

3185423002EA45E...

Faith Hardin, Supervisor

401 & Buffer Permitting Branch / RO





JOSH STEIN
Governor
D. REID WILSON
Secretary
RICHARD E. ROGERS, JR.
Director

May 6, 2026

DWR #20260354 v1
Pitt County

Mr. Jason Dilday
Environmental Analysis unit
North Carolina Department of Transportation
1598 Mail Service Center
Raleigh, NC 27699

Subject: APPROVAL of TAR- PAMLICO & NEUSE RIPARIAN BUFFER IMPACTS WITH ADDITIONAL CONDITIONS

NCDOT TIP # U -5785 Road Widening - SR 1708 & Sr 1726 Pitt County
Tar Pamlico Basin (Hardee Creek C, NSW) & Neuse Basin (Fork Swamp C, SW, NSW)

Dear Mr. Dilday:

You have our approval for the impact listed below for the purpose described in your application dated May 6, 2026, received by the Division of Water Resources (Division) March 24, 2026. These impacts are covered by the Neuse and Tar -PAMLICO Buffer Rules and the conditions 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 and Neuse **Buffer** Rules are met. No other impacts are approved, including incidental impacts. [15A NCAC 02B.0611(b)(2)]

Neuse and Tar- Pamlico Riparian Buffer Impacts

Site	Zone 1 Impact (sq ft)	minus Wetlands in Zone 1 (sq ft)	= Zone 1 Buffers (not wetlands) (sq ft)	Zone 1 Buffer Mitigation Required (using 3:1 ratio)	Zone 2 Impact (sq ft)	minus Wetlands in Zone 2 (sq ft)	= Zone 2 Buffers (not wetlands) (sq ft)	Zone 2 Buffer Mitigation Required (using 1.5:1 ratio)
1	8577	0	8577	n/a	4493	0	4493	n/a
2/3/4	8602	484	8118	n/a	4787	811	3976	n/a
5	704	0	704	n/a	0	0	0	n/a
6	1748	0	1748	n/a	783	0	783	n/a
7	694	0	694	n/a	783	0	783	n/a
Totals	20,325	484	19,841		10,846	811	10,035	

Total Buffer Impact for Project: 31031 square feet.



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.0611(b)(2)]

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 it is 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.0714] & [15A NCAC 02B.0734].

Information shall be provided orally within 24 hours (or on the next business day if it is a weekend or holiday) from the time the applicant became aware of the circumstances.

Additional conditions:

1. Unless otherwise approved in this certification, placement of culverts and other structures in open waters and streams shall be placed below the elevation of the streambed by one foot for all culverts with a diameter greater than 48 inches, and 20 percent of the culvert diameter for culverts having a diameter less than 48 inches, to allow low flow passage of water and aquatic life. Design and placement of culverts and other structures including temporary erosion control measures shall not be conducted in a manner that may result in dis-equilibrium of wetlands or streambeds or banks, adjacent to or upstream and downstream of the above structures. The applicant is required to provide evidence that the equilibrium is being maintained if requested in writing by NCDWR. If this condition is unable to be met due to bedrock or other limiting features encountered during construction, please contact NCDWR for guidance on how to proceed and to determine whether permit modification will be required. [15A NCAC 02H.0506(b)(2)]
2. DWR approves the stormwater drainage design as shown in the 401 applications, under the assumption that it meets the requirements of the NCDOT NPDES permit #NCS000250. These plans are enforceable by DWR. Changes to the approved plans are prohibited without prior approval from DWR. If sediment or other pollutants are found to be discharged from the stormwater outfalls, DWR may take enforcement action. NCDOT and DWR shall assess the damage to water quality standards and implement an appropriate action plan to address the impact. The action plan shall provide an appropriate timeline for implementation as agreed upon by both DWR and NCDOT. This may require NCDOT to obtain a modification to its current 401 and 404 permits.
3. If concrete is used during construction, a dry work area shall be maintained to prevent direct contact between curing concrete and stream water. Water that inadvertently contacts uncured concrete shall not be discharged to surface waters due to the potential for elevated pH and possible aquatic life and fish kills. [15A NCAC 02B.0200]
4. For all streams being impacted due to site dewatering activities, the site shall be graded to its preconstruction contours and revegetated with appropriate native species. [15A NCAC 02H.0506(b)(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. The dimension, pattern and profile of the stream above and below the crossing shall not be modified. Disturbed floodplains and streams shall be restored to natural geomorphic conditions. [15A NCAC 02H.0506(b)(2)]



7. The use of riprap above the Normal High-Water Mark shall be minimized. Any riprap placed for stream stabilization shall be placed on stream channels in such a manner that it does not impede aquatic life passage. [15A NCAC 02H.0506(b)(2)]
8. 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)]
9. All work in or adjacent to stream waters shall be conducted in a dry work area. Approved BMP measures from the most current version of NCDOT Construction and Maintenance Activities manual such as sandbags, rock berms, cofferdams and other diversion structures shall be used to prevent excavation in flowing water. [15A NCAC 02H.0506(b)(3) and (c)(3)]
10. 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)]
11. 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)]
12. Discharging hydroseeds mixtures and washing out hydro seeders and other equipment in or adjacent to surface waters is prohibited. [15A NCAC 02H.0506(b)(3)]
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. 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)(2)]
15. A copy of this Water Quality Certification shall be always maintained on the construction site. In addition, the Water Quality Certification and all subsequent modifications, if any, shall be maintained with the Division Engineer and the on-site project manager. [15A NCAC 02H .0507(c) and 15A NCAC 02H .0506 (b)(2) and (c)(2)] ***{If applicant is a city or other non-dot project, delete "Division Engineer" and just say Onsite project Manager.}***
16. The outside buffer, wetland or water boundary located within the construction corridor approved by this authorization, including all non-commercial borrow and waste sites associated with the project, shall be clearly marked by highly visible fencing prior to any land disturbing activities. Impacts to areas within the fencing are prohibited unless otherwise authorized by this certification. [15A NCAC 02H.0501 and .0502]
17. The issuance of this certification does not exempt the Permittee from complying with 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.
18. The Permittee shall report any violations of this certification to the Division of Water Resources within 24 hours of discovery. [15A NCAC 02B.0506(b)(2)]
19. Upon completion of the project (including any impacts at associated borrow or waste sites), the NCDOT Division Engineer **(or whomever is the authorized agent if a non-NCDOT project)** shall complete and return the



"Certification of Completion Form" to notify the NCDWR when all work included in the 401 Certification has been completed. [15A NCAC 02H.0507]

20. Native riparian vegetation (i.e., herbaceous, trees, and shrubs native to your geographic region) 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)]
21. There shall be no excavation from, or waste disposal into, jurisdictional wetlands or waters associated with this permit without appropriate modification. Should waste or borrow sites, or access roads to waste or borrow sites, be in wetlands or streams, compensatory mitigation will be required since that is a direct impact from road construction activities. [15A NCAC 02H.0506(b)(3) and (c)(3)]
22. Erosion control matting that incorporates plastic mesh and/or plastic twine shall not be used along stream banks or within jurisdictional wetlands. [15A NCAC 2H.0506; 15A NCAC 2H.0507]
23. Erosion and sediment control practices must be in full compliance with all specifications governing the proper design, installation and operation and maintenance of such Best Management Practices to protect surface waters standards [15A NCAC 02H.0506(b)(3) and (c)(3)]:
 - a. The erosion and sediment control measures for the project must be designed, installed, operated, and maintained in accordance with the most recent version of the *North Carolina Sediment and Erosion Control Planning and Design Manual*.
 - b. The design, installation, operation, and maintenance of the sediment and erosion control measures must be such that they equal, or exceed, the requirements specified in the most recent version of the *North Carolina Sediment and Erosion Control Manual*. The devices shall be maintained on all construction sites, borrow sites, and waste pile (spoil) projects, including contractor-owned or leased borrow pits associated with the project.
 - c. For borrow pit sites, the erosion and sediment control measures must be designed, installed, operated, and maintained in accordance with the most recent version of the *North Carolina Surface Mining Manual*.
 - d. The reclamation measures and implementation must comply with the reclamation in accordance with the requirements of the Sedimentation Pollution Control Act.

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.

A party filing a Petition must serve a copy of the Petition on:

Dan Hirschman, General Counsel
Department of Environmental Quality
1601 Mail Service Center
Raleigh, NC 27699-1601

If the party filing the Petition is not the permittee, then the party must also serve the recipient of the Certification in accordance with N.C.G.S 150B-23(a).



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 02.0734. Please contact Paul Nyarko at 252-948-3917 or paul.nyarko@deq.nc.gov if you have any questions or concerns. if you have any questions or concerns.

Sincerely,

Signed by:

3185423002EA45E...

Faith Hardin, Supervisor
401 & Buffer Transportation Permitting Branch

cc: Parker Johnson, NCDOT, pfjohnson@ncdot.gov
Chris Rivenbark, crivenbark@rkk.com
Kyle Barnes, USACE Washington kyle.w.barnes@usace.army.mil
Elizabeth Harmon, DMS, beth.harmon@deq.nc.gov
Travis Wilson, travis.wilson@ncwildlife.gov
DWR 401 & Buffer Permitting Branch Electronic file





North Carolina Department of Transportation

Highway Stormwater Program
STORMWATER MANAGEMENT PLAN

FOR NCDOT PROJECTS



(Version 3.02; Released April 23, 2024)

WBS Element: 44357.1.1

TIP/Proj No: U-5785/U-5780

County(ies): Pitt

Page 1 of 4

General Project Information

WBS Element:	44357.1.1	TIP Number:	U-5785/U-5780	Project Type:	Roadway Widening	Date:	3/12/2026
NCDOT Contact:	Alexander Foster			Contractor / Designer:	Johnson Mirmiran & Thompson		
Address:	1000 Birch Ridge Drive Raleigh, NC 27610			Address:	4700 Falls of Neuse Road, Suite 100 Raleigh, NC 27609		
Phone:	919-707-6239			Phone:	252-672-2070		
Email:	afoster@ncdot.gov			Email:	khcompton@jmt.com		
City/Town:	Greenville, NC 27835			County(ies):	Pitt		
River Basin(s):	Neuse		Tar-Pamlico	CAMA County?	No		
Wetlands within Project Limits?	Yes						

Project Description

Project Length (lin. miles or feet):	3.44	Surrounding Land Use:	Business and Single Family Residential					
Project Built-Up Area (ac.)	Proposed Project		Existing Site					
	63.5	ac.	35.8	ac.				
Typical Cross Section Description:	Four lane divided road with variable width divided median. Cross section includes two 11-foot lanes plus five foot bikes lanes, curb and gutter, and sidewalk in each direction.			Two 12-foot lanes with 1 foot paved shoulders and grassed ditches				
Annual Avg Daily Traffic (veh/hr/day):	Design/Future:	32400	Year:	2040	Existing:	25000	Year:	2014

General Project Narrative:
(Description of Minimization of Water Quality Impacts)

NCDOT is proposing to improve SR 1708 (Fire Tower Road) and SR 1726 (Portertown Road) in Greenville, NC. The project will widen SR 1708 and SR 1726 from a current 2 lane to 4 lane with turn lanes and concrete/grass median. The current open ditch drainage system will be converted to curb and gutter with 5 foot bike lanes and sidewalks. The existing roundabout connecting SR 1708 and SR 1726 will also be widened and a new roundabout will be added along SR 1726 will be added at the Eastern Pines Road intersection. Improvements will also be made to County Home Road, Charles Blvd, Bells Fork Road, Kittrell Road, Arlington Blvd, and Turnbury Dr. Improvements will include extending Turnbury Dr to connect to SR 1708 and a realignment with a roundabout at the Bells Fork Road and Kittrell Road intersection. The project area is highly urbanized with extensive existing commercial development. Existing outfalls were utilized in the design. The existing storm sewer systems outfall ultimately to Fork Swamp, Meeting House Branch, or Hardee Creek. Fork Swamp flows to an existing regional facility called Covengton Pond which is located outside the project limits. A proposed BMP (Dry Detention Basin) will be located on existing parcel 34 to provide water quality treatment prior to stormwater entering Meeting House Branch. The bridge over Hardee Creek will be widened with the addition of 13 cored slab units at 39' wide in the southbound direction. The bridge will utilize deck drains that discharge over the buffer to keep spread on the bridge to an acceptable limit while utilizing coir fiber matting on the floodplain bench to minimize erosion from the discharge. Water Quality impacts will be minimized by limiting impacts to delineated wetlands and placing rip rap pads at pipe outfalls (where necessary) to reduce velocities.



North Carolina Department of Transportation
 Highway Stormwater Program
 STORMWATER MANAGEMENT PLAN
 FOR NCDOT PROJECTS



(Version 3.02; Released April 23, 2024)

WBS Element: 44357.1.1 TIP/Proj No.: U-5785/U-5780 County(ies): Pitt Page 2 of 4

General Project Information

Waterbody Information

Surface Water Body (1):	Hardee Creek		NCDWR Stream Index No.:	28-97	
NCDWR Surface Water Classification for Water Body	Primary Classification:		Class C		
	Supplemental Classification:		Nutrient Sensitive Waters (NSW)		
Other Stream Classification:					
Impairments:					
Aquatic T&E Species?	Yes	Comments:			
NRTR Stream ID:	SA		Buffer Rules in Effect:	Tar-Pamlico	
Project Includes Bridge Spanning Water Body?	Yes	Deck Drains Discharge Over Buffer?	Yes	Dissipator Pads Provided in Buffer?	Yes
Deck Drains Discharge Over Water Body?	No	(If yes, provide justification in the General Project Narrative)		(If yes, describe in the General Project Narrative; if no, justify in the General Project Narrative)	
	(If yes, provide justification in the General Project Narrative)				
Surface Water Body (2):	UT to Hardee Creek		NCDWR Stream Index No.:	28-97	
NCDWR Surface Water Classification for Water Body	Primary Classification:		Class C		
	Supplemental Classification:		Nutrient Sensitive Waters (NSW)		
Other Stream Classification:					
Impairments:					
Aquatic T&E Species?	Yes	Comments:			
NRTR Stream ID:	SC		Buffer Rules in Effect:	Tar-Pamlico	
Project Includes Bridge Spanning Water Body?	No	Deck Drains Discharge Over Buffer?	N/A	Dissipator Pads Provided in Buffer?	N/A
Deck Drains Discharge Over Water Body?	N/A	(If yes, provide justification in the General Project Narrative)		(If yes, describe in the General Project Narrative; if no, justify in the General Project Narrative)	
	(If yes, provide justification in the General Project Narrative)				
Surface Water Body (3):	UT to Meeting House Branch		NCDWR Stream Index No.:	28-97-1	
NCDWR Surface Water Classification for Water Body	Primary Classification:		Class C		
	Supplemental Classification:		Nutrient Sensitive Waters (NSW)		
Other Stream Classification:					
Impairments:					
Aquatic T&E Species?	Yes	Comments:			
NRTR Stream ID:	SE		Buffer Rules in Effect:	N/A	
Project Includes Bridge Spanning Water Body?	No	Deck Drains Discharge Over Buffer?	N/A	Dissipator Pads Provided in Buffer?	N/A
Deck Drains Discharge Over Water Body?	N/A	(If yes, provide justification in the General Project Narrative)		(If yes, describe in the General Project Narrative; if no, justify in the General Project Narrative)	
	(If yes, provide justification in the General Project Narrative)				



North Carolina Department of Transportation
Highway Stormwater Program
STORMWATER MANAGEMENT PLAN
 FOR NCDOT PROJECTS



(Version 3.02; Released April 23, 2024)

WBS Element: 44357.1.1
 TIP No.: U-5785/U-5780
 County(ies): Pitt
 Page 3 **of** 4

Additional Waterbody Information

Surface Water Body (4):	UT to Meeting House Branch		NCDWR Stream Index No.:	28-97-4	
NCDWR Surface Water Classification for Water Body	Primary Classification:		Class C		
	Supplemental Classification:		Nutrient Sensitive Waters (NSW)		
Other Stream Classification:					
Impairments:					
Aquatic T&E Species?	Yes	Comments:			
NRTR Stream ID:	SF		Buffer Rules in Effect:	Tar-Pamlico	
Project Includes Bridge Spanning Water Body?	No	Deck Drains Discharge Over Buffer?	N/A	Dissipator Pads Provided in Buffer?	Yes
Deck Drains Discharge Over Water Body?	No	(If yes, provide justification in the General Project Narrative)		(If yes, describe in the General Project Narrative; if no, justify in the General Project Narrative)	
(If yes, provide justification in the General Project Narrative)					

Surface Water Body (5):	Fork Swamp B		NCDWR Stream Index No.:	27-97-4	
NCDWR Surface Water Classification for Water Body	Primary Classification:		Class C		
	Supplemental Classification:		Swamp Waters (Sw) (NSW)		
Other Stream Classification:					
Impairments:					
Aquatic T&E Species?	Yes	Comments:			
NRTR Stream ID:	Fork Swamp B		Buffer Rules in Effect:	Neuse	
Project Includes Bridge Spanning Water Body?	No	Deck Drains Discharge Over Buffer?	N/A	Dissipator Pads Provided in Buffer?	N/A
Deck Drains Discharge Over Water Body?	No	(If yes, provide justification in the General Project Narrative)		(If yes, describe in the General Project Narrative; if no, justify in the General Project Narrative)	
(If yes, provide justification in the General Project Narrative)					

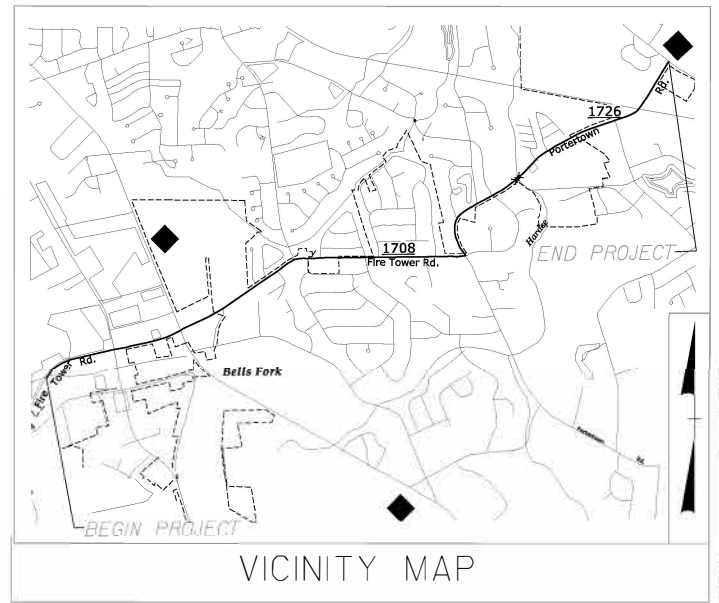
Surface Water Body (6):	UT to Hardee Creek		NCDWR Stream Index No.:	28-97	
NCDWR Surface Water Classification for Water Body	Primary Classification:		Class C		
	Supplemental Classification:		Nutrient Sensitive Waters (NSW)		
Other Stream Classification:					
Impairments:					
Aquatic T&E Species?	Yes	Comments:			
NRTR Stream ID:	SG		Buffer Rules in Effect:	N/A	
Project Includes Bridge Spanning Water Body?	No	Deck Drains Discharge Over Buffer?	N/A	Dissipator Pads Provided in Buffer?	N/A
Deck Drains Discharge Over Water Body?	N/A	(If yes, provide justification in the General Project Narrative)		(If yes, describe in the General Project Narrative; if no, justify in the General Project Narrative)	
(If yes, provide justification in the General Project Narrative)					

Surface Water Body (7):	UT to Fork Swamp		NCDWR Stream Index No.:	27-97-4	
NCDWR Surface Water Classification for Water Body	Primary Classification:		Class C		
	Supplemental Classification:		Swamp Waters (Sw) (NSW)		
Other Stream Classification:					
Impairments:					
Aquatic T&E Species?	Yes	Comments:			
NRTR Stream ID:	SH		Buffer Rules in Effect:	Neuse	
Project Includes Bridge Spanning Water Body?	No	Deck Drains Discharge Over Buffer?	N/A	Dissipator Pads Provided in Buffer?	N/A
Deck Drains Discharge Over Water Body?	N/A	(If yes, provide justification in the General Project Narrative)		(If yes, describe in the General Project Narrative; if no, justify in the General Project Narrative)	
(If yes, provide justification in the General Project Narrative)					

09/10/2026

TIP PROJECT: U-5785

See Sheet 1-A For Index of Sheets



ROW PLANS

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PITT COUNTY

LOCATION: SR 1708 (FIRE TOWER ROAD) AND SR 1726 (PORTERTOWN ROAD) FROM WEST OF EAST ARLINGTON BLVD TO NC 33 (EAST 10TH STREET) IN GREENVILLE

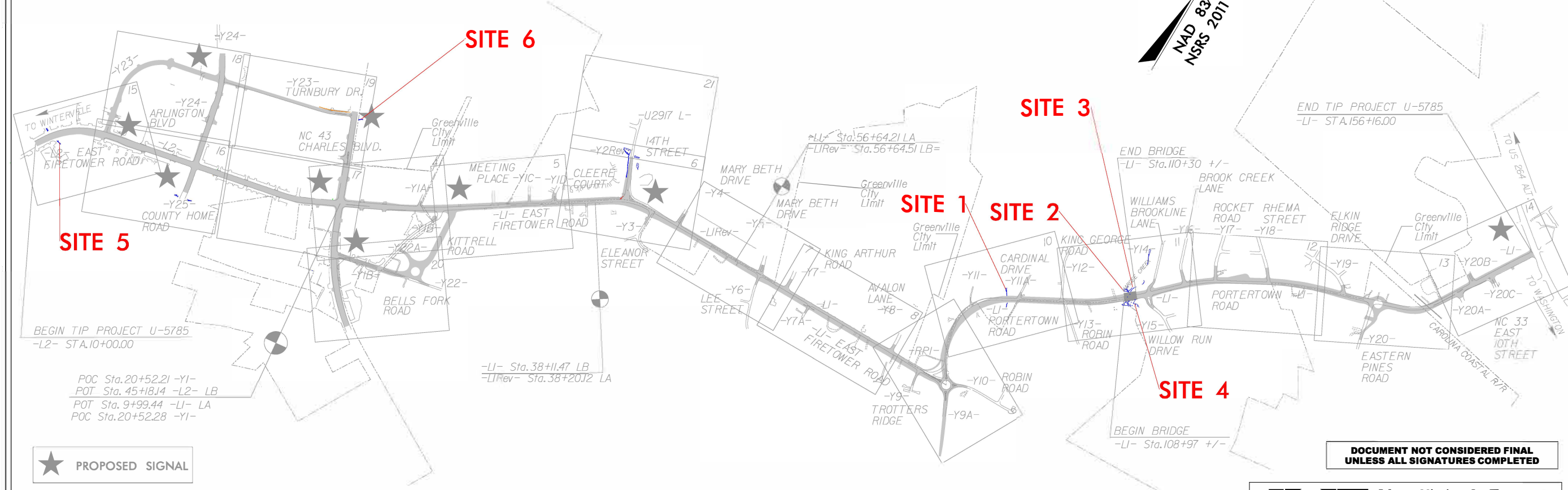
TYPE OF WORK: GRADING, DRAINAGE, PAVING, STRUCTURE AND CURB & GUTTER

U-5785

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-5785	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
44357.1.1	NA	PE	
44357.2.1		RW	
44357.2.2		UTILITIES	
44357.3.1		CONST.	

PERMIT DRAWING SHEET 1 of 18

WETLAND & STREAM IMPACTS



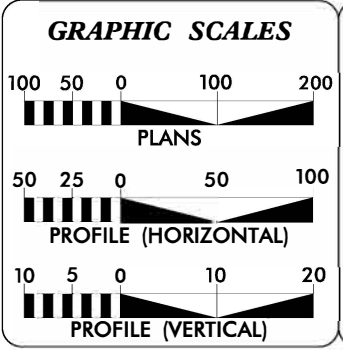
★ PROPOSED SIGNAL

THIS PROJECT IS WITHIN THE MUNICIPAL AND ETJ BOUNDARIES OF GREENVILLE.
THIS IS A PARTIAL CONTROLLED ACCESS PROJECT WITH ACCESS BEING LIMITED TO POINTS SHOWN ON PLANS.

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JMAT Johnson, Mirmiran, & Thompson Inc.
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Raleigh, NC, 27609
License No: C-3097

CONTRACT:



DESIGN DATA

ADT 2014 =	25000
ADT 2040 =	32400
D =	55%
K =	8%
T =	2%*
*DUAL =	1% TTST = 1%
V =	45 MPH
FUNC CLASS =	MINOR ARTERIAL
REGIONAL TIER	

PROJECT LENGTH

LENGTH ROADWAY PROJECT U-5785 =	3.410 Mi.
LENGTH STRUCTURE PROJECT U-5785 =	0.025 Mi.
TOTAL LENGTH OF PROJECT U-5785 =	3.435 Mi.

Prepared in the Office of:
JOHNSON, MIRMIRAN & THOMPSON
4700 Falls of Neuse Rd., Suite 100, Raleigh NC 27609
License # C-3097

FOR THE NORTH CAROLINA DIVISION OF HIGHWAYS

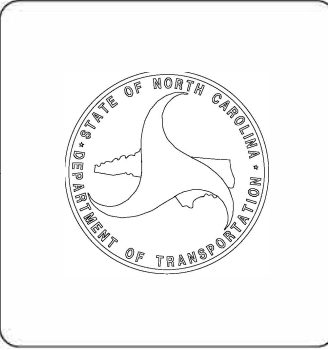
2024 STANDARD SPECIFICATIONS	KYLE COMPTON, PE PROJECT ENGINEER
	JOHN LANSFORD, PE PROJECT DESIGN ENGINEER
RIGHT OF WAY DATE: SEPTEMBER 30, 2024	NGDOT CONTACT: ALEXANDER FOSTER, PE PMU PROJECT MANAGER
LETTING DATE: JULY 17, 2029	

HYDRAULICS ENGINEER

SIGNATURE: _____ P.E.

ROADWAY DESIGN ENGINEER

SIGNATURE: _____ P.E.



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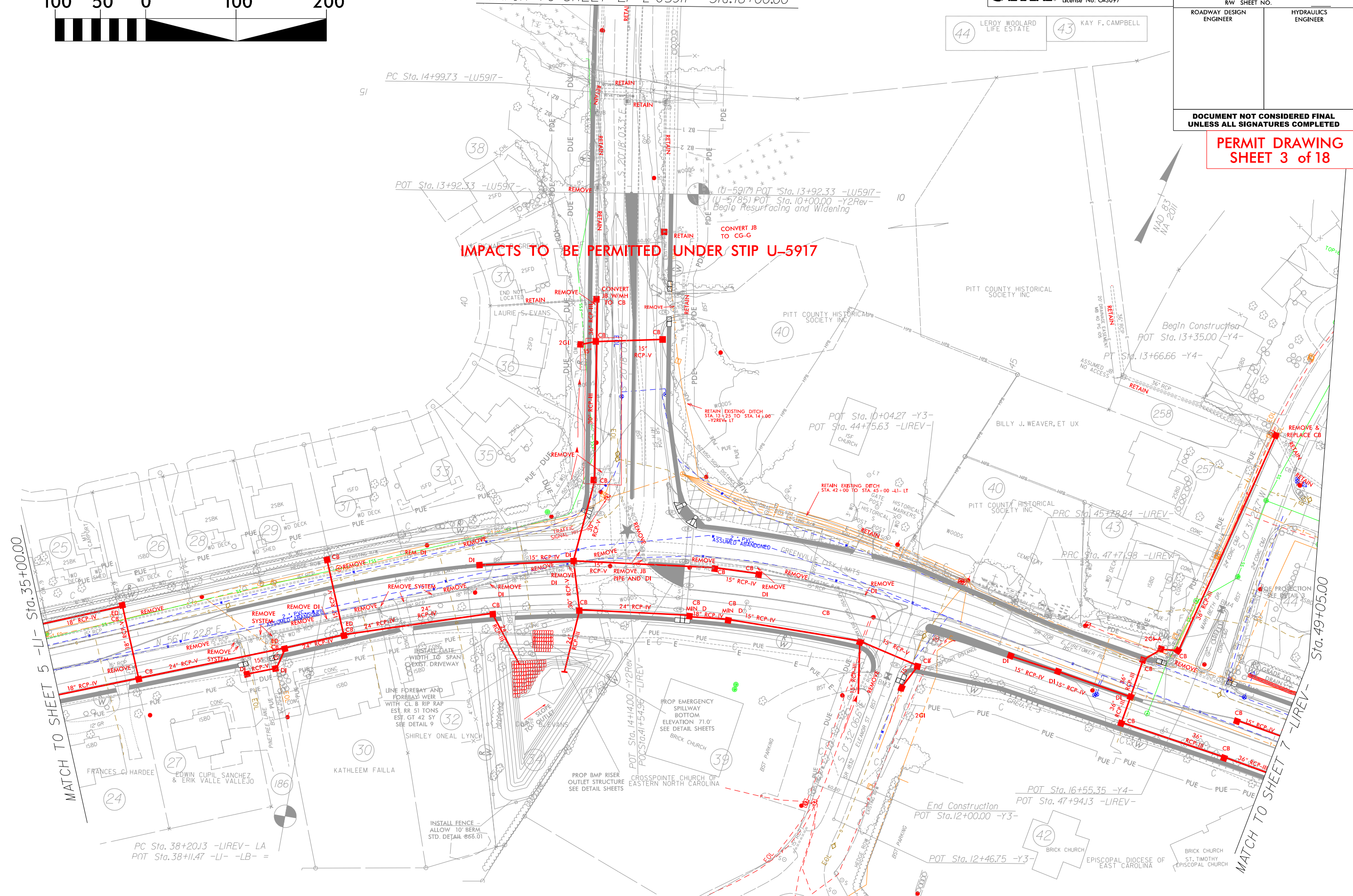
JMT Johnson, Mirmiran, & Thompson Inc.
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License No: C-3097

PROJECT REFERENCE NO. U-5785	SHEET NO. 6
RW SHEET NO.	
ROADWAY DESIGN ENGINEER 44 LEROY WOOLARD LIFE ESTATE	HYDRAULICS ENGINEER 43 KAY F. CAMPBELL
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

**PERMIT DRAWING
SHEET 3 of 18**

MATCH TO SHEET 21 -L U5917- Sta.16+00.00

IMPACTS TO BE PERMITTED UNDER STIP U-5917



R/W REVISION 10/09/25 JCL ADJUSTED PROPOSED R/W LINE TO SHOW PARCEL 34 AS A TOTAL TAKE
R/W REVISION 12/30/25 JCL REVISED PUE ON PARCEL 26

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MATCH TO SHEET 5 -LI- Sta.35+00.00

MATCH TO SHEET 7 -LIREV- Sta.49+05.00

PC Sta. 38+20.13 -LIREV- LA
POT Sta. 38+11.47 -LI- -LB- =

End Construction
POT Sta. 12+00.00 -Y3-
POT Sta. 16+55.35 -Y4-
POT Sta. 47+94.13 -LIREV-

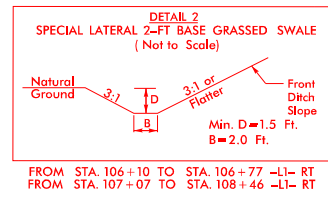
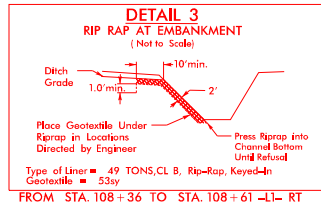
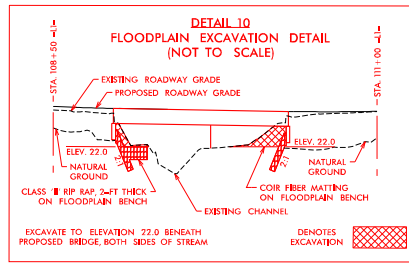
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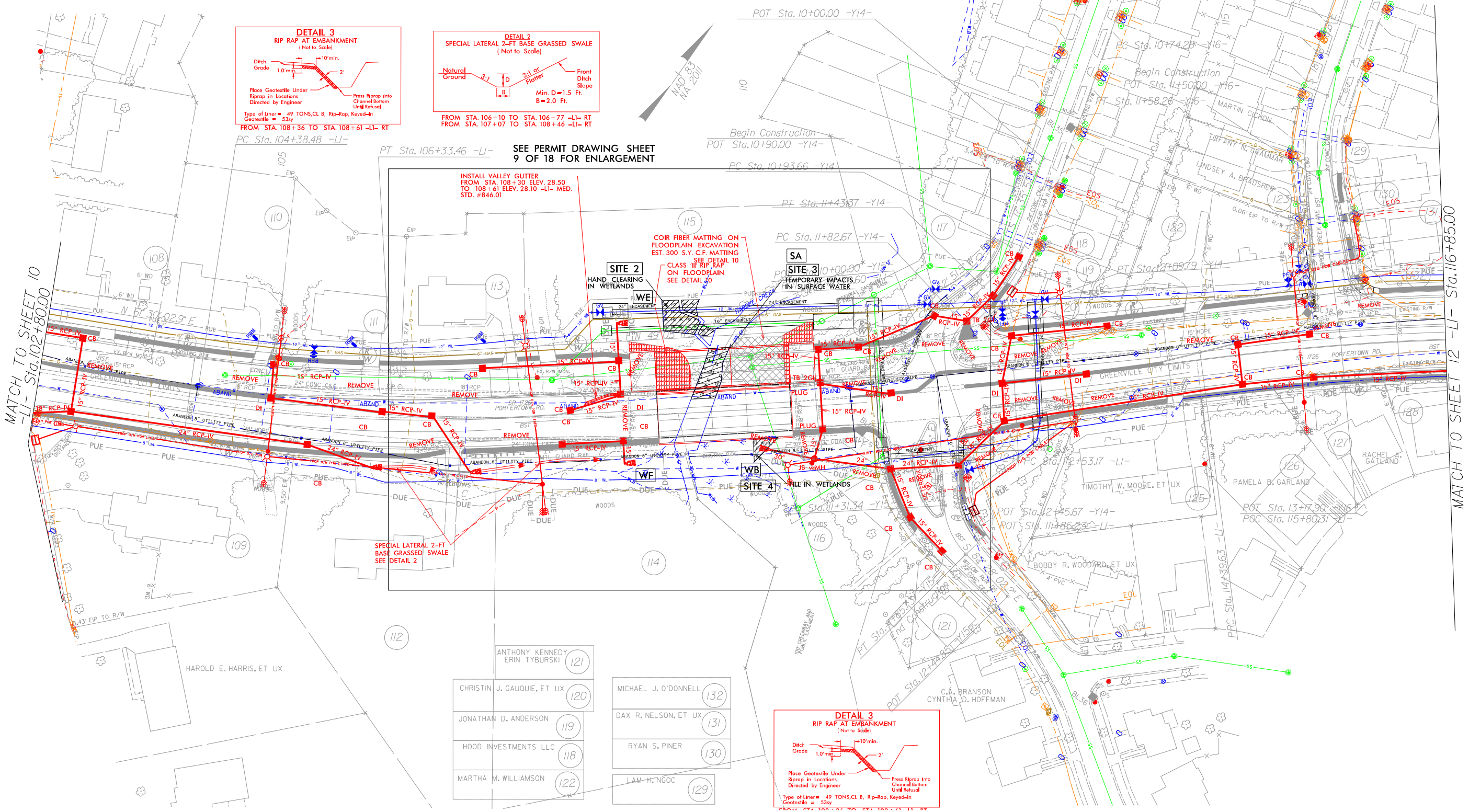
- DENOTES TEMPORARY IMPACTS IN SURFACE WATER
- DENOTES FILL IN WETLAND
- DENOTES HAND CLEARING



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PROJECT REFERENCE NO. U-5785	SHEET NO. 11
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
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PERMIT DRAWING
SHEET 7 of 18



SEE PERMIT DRAWING SHEET 9 OF 18 FOR ENLARGEMENT

SPECIAL LATERAL 2-FT BASE GRASSED SWALE SEE DETAIL 2

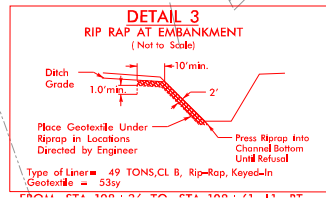
SITE 2
HAND CLEARING IN WETLANDS

SA
TEMPORARY IMPACTS IN SURFACE WATER

WB
FILL IN WETLANDS

ANTHONY KENNEDY (121)
ERIN TYBURSKI (120)
CHRISTIN J. GAUOUIE, ET UX (120)
JONATHAN D. ANDERSON (119)
HOOD INVESTMENTS LLC (118)
MARTHA M. WILLIAMSON (122)

MICHAEL J. O'DONNELL (132)
DAX R. NELSON, ET UX (131)
RYAN S. PINER (130)
LAM H. NGOC (129)



R/W Revision JCL 12/11/24 Revised Drainage Structure 1135 and Associated TCE at Parcel 121
R/W Revision JCL 6/23/25 Revised DUE on Parcel 114

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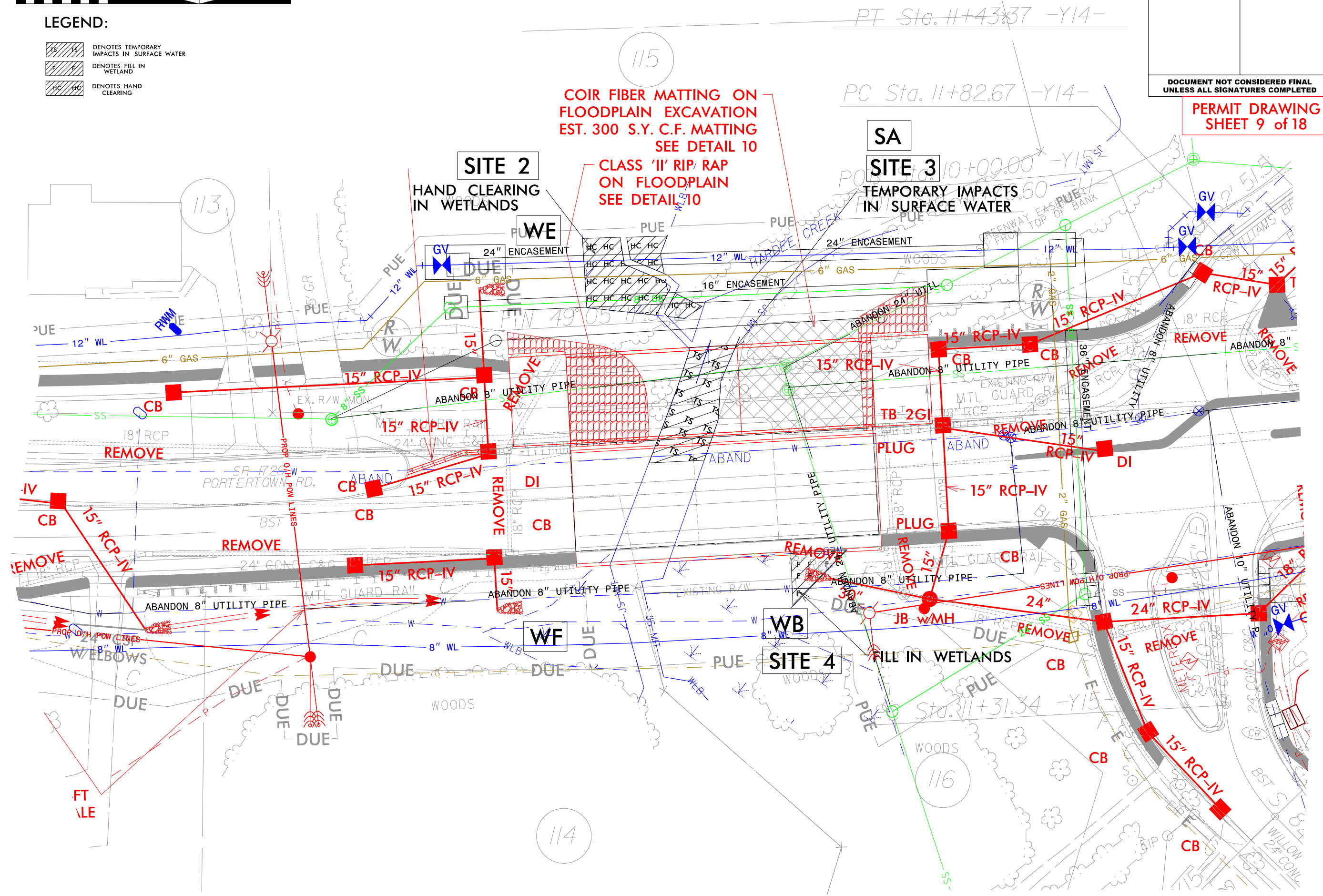
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- DENOTES TEMPORARY IMPACTS IN SURFACE WATER
- DENOTES FILL IN WETLAND
- DENOTES HAND CLEARING

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PROJECT REFERENCE NO. U-5785	SHEET NO. 11
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PERMIT DRAWING SHEET 9 of 18



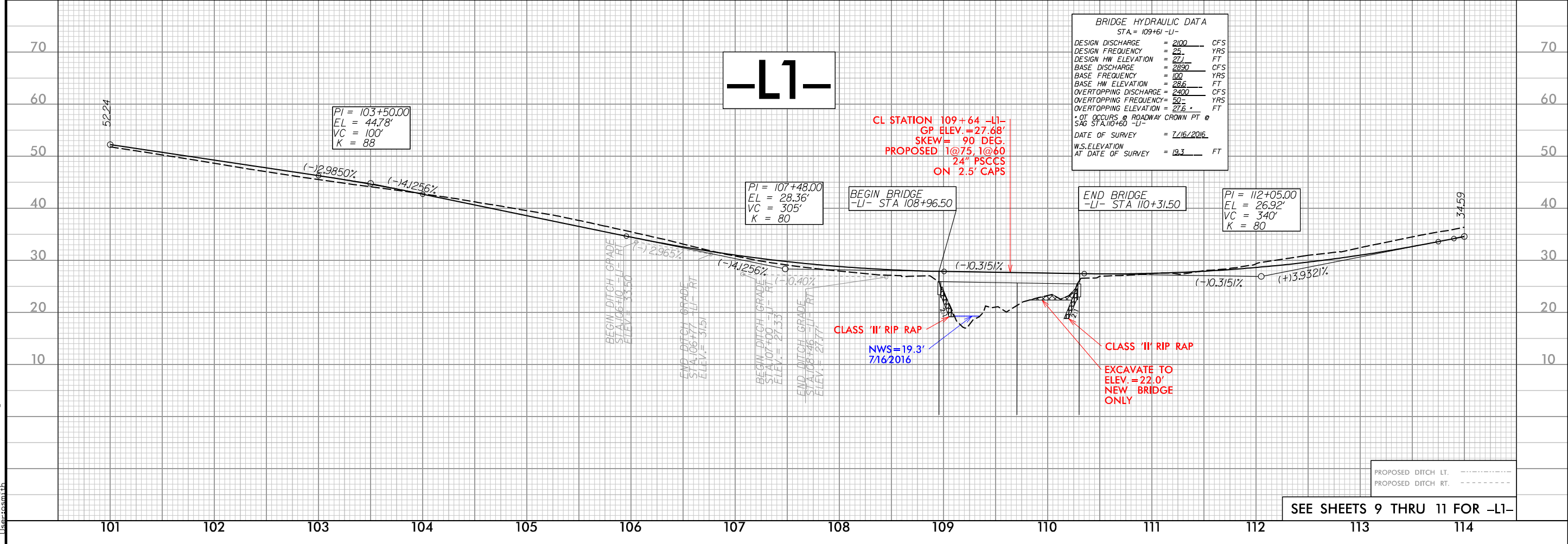
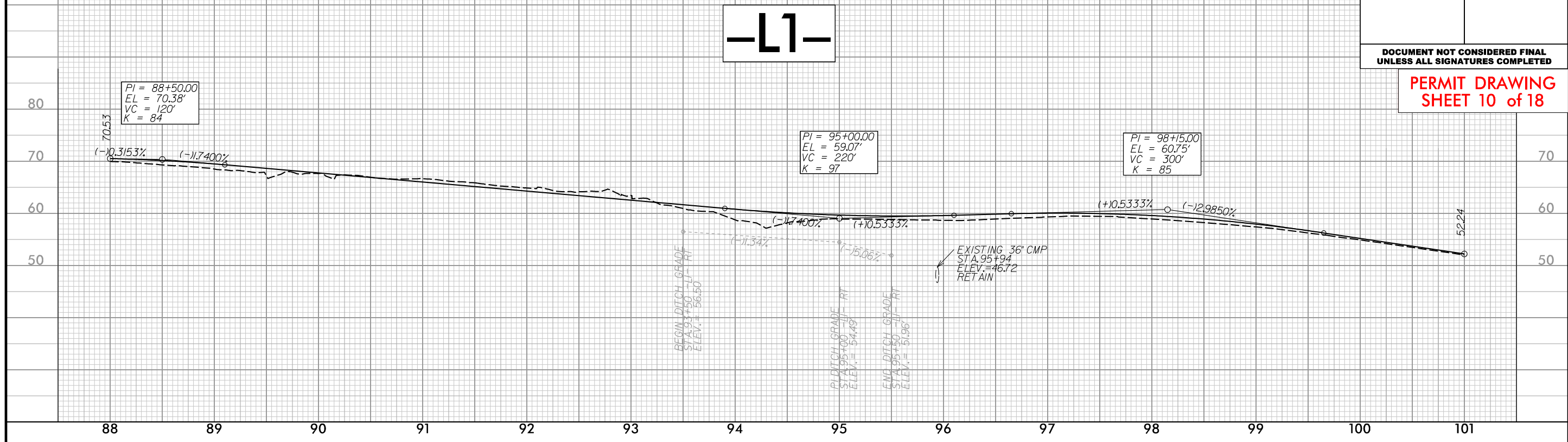
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**PERMIT DRAWING
 SHEET 10 of 18**

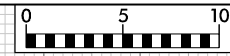


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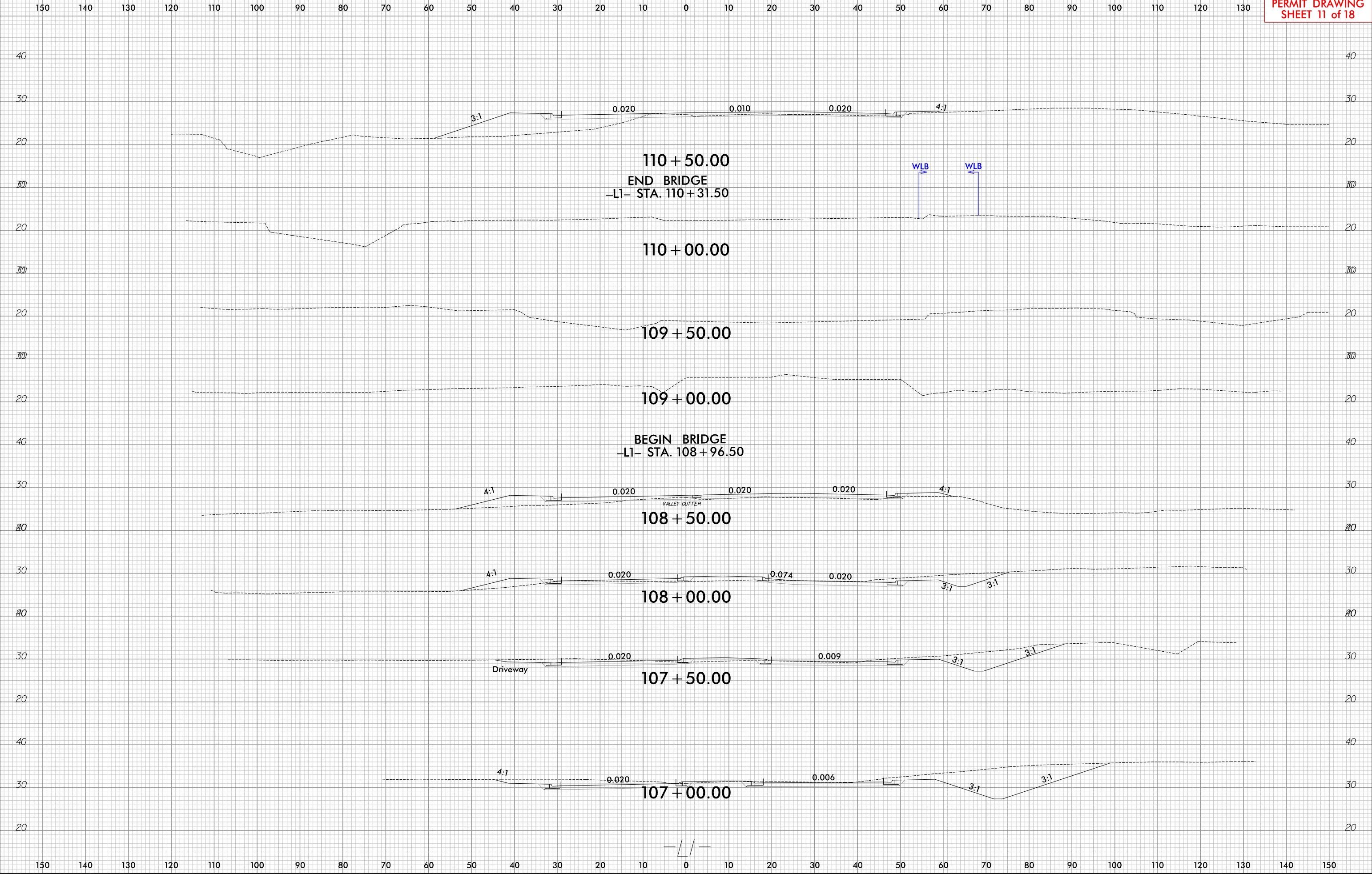
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SHEET NO.
X-34

PERMIT DRAWING
SHEET 11 of 18



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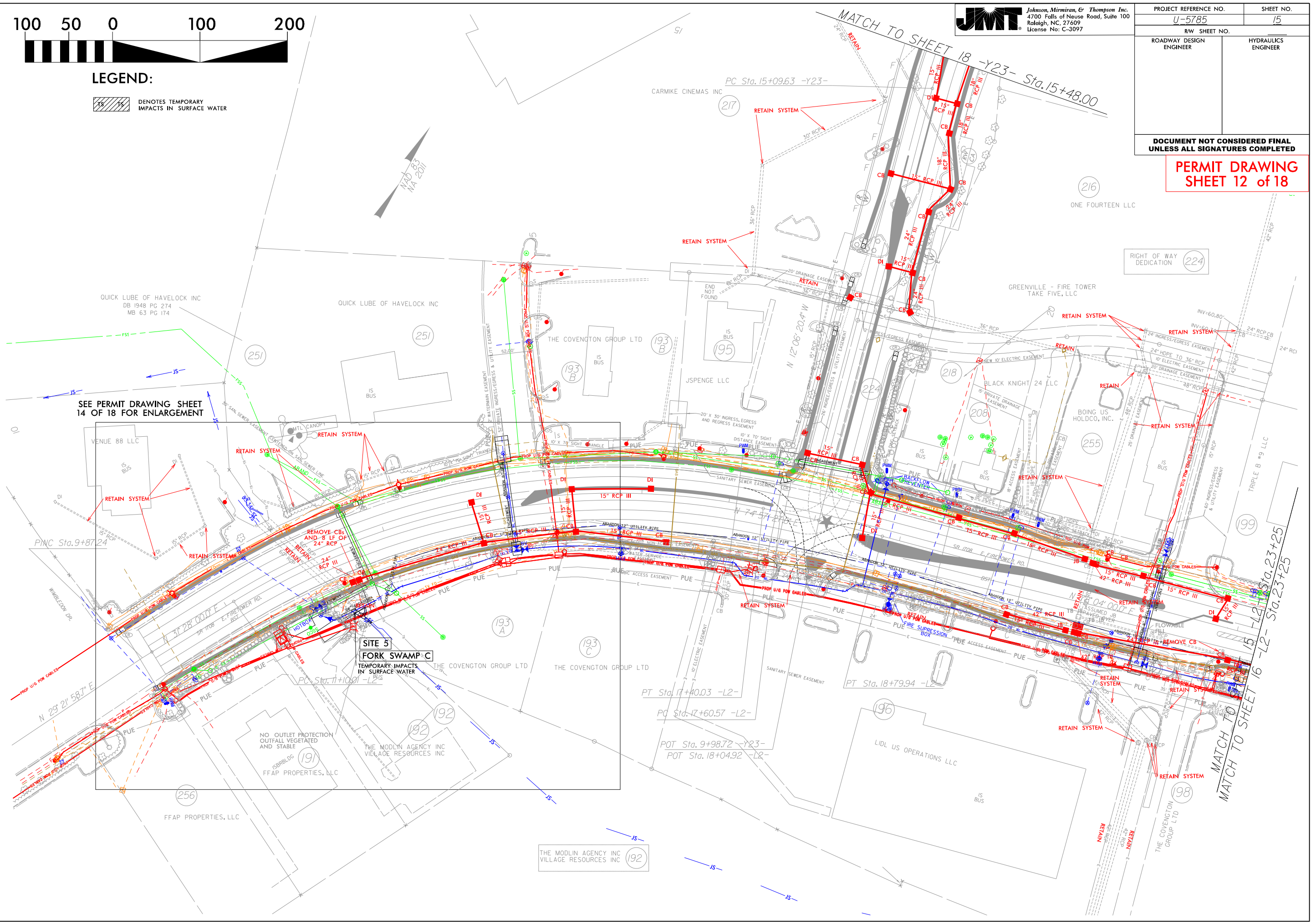
15 19 DENOTES TEMPORARY IMPACTS IN SURFACE WATER

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PROJECT REFERENCE NO. U-5785	SHEET NO. 15
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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PERMIT DRAWING SHEET 12 of 18



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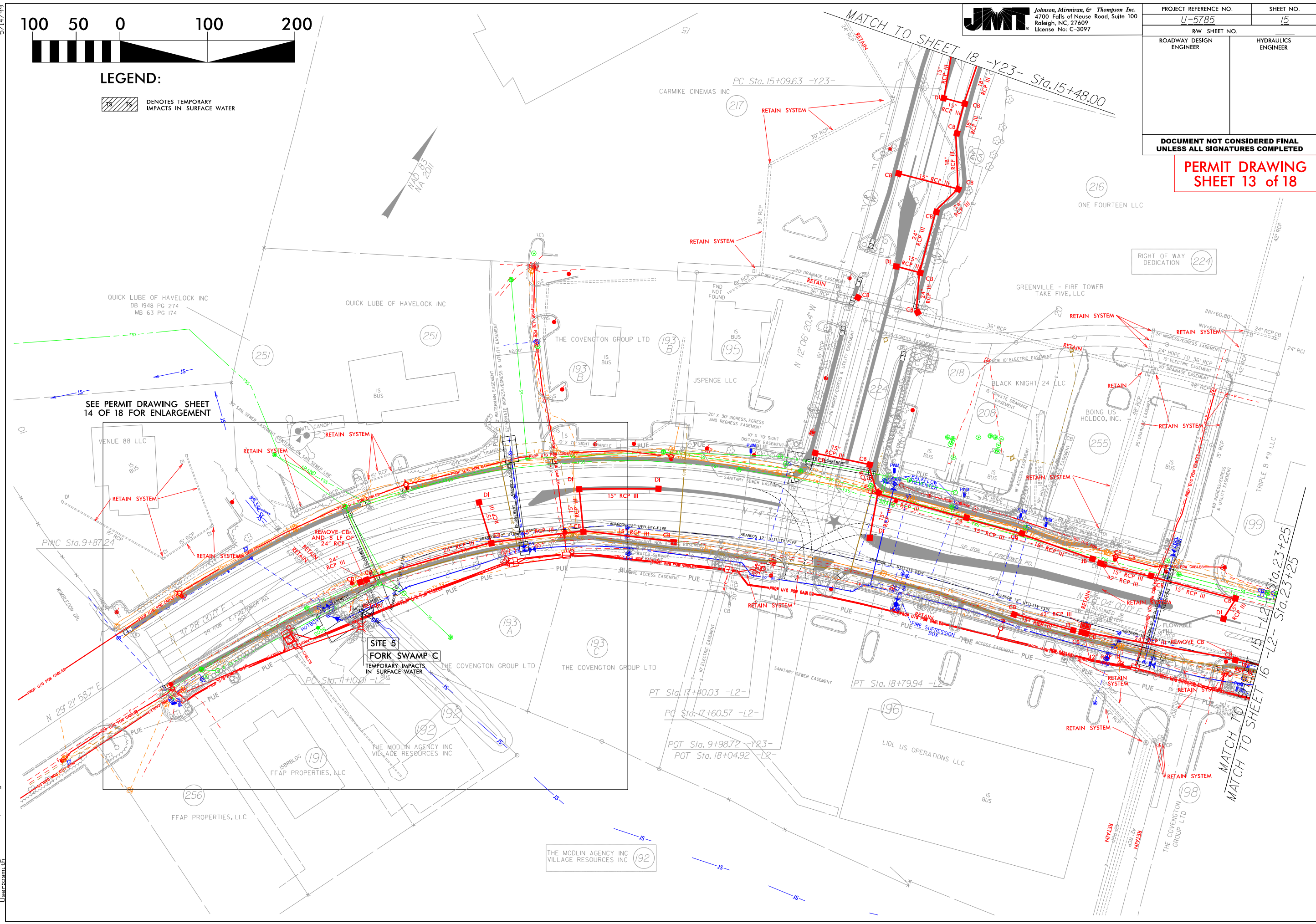
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PROJECT REFERENCE NO. U-5785	SHEET NO. 15
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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PERMIT DRAWING SHEET 13 of 18



SEE PERMIT DRAWING SHEET 14 OF 18 FOR ENLARGEMENT

SITE 5 FORK SWAMP C TEMPORARY IMPACTS IN SURFACE WATER

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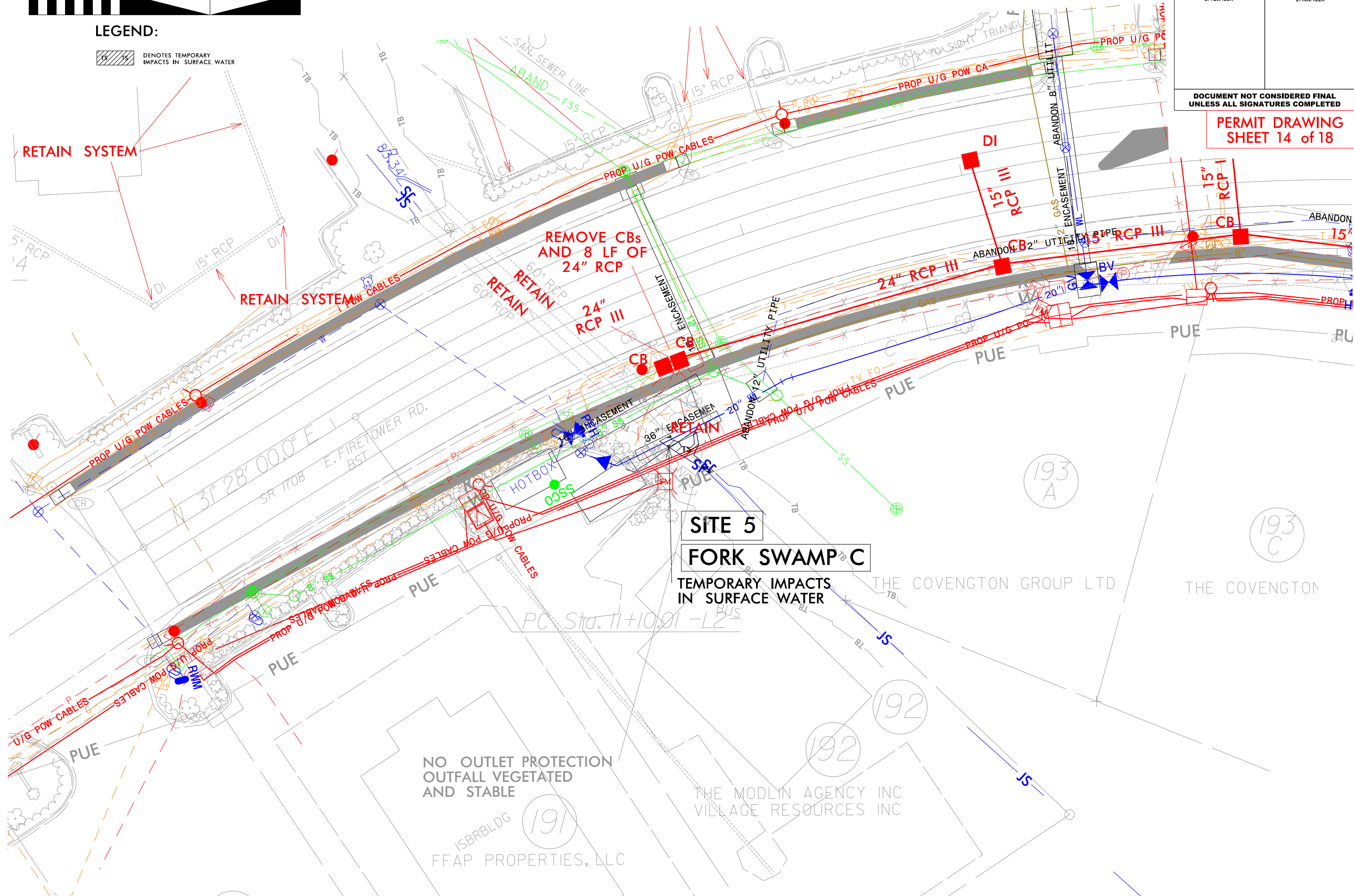
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PROJECT REFERENCE NO. U-5785	SHEET NO. 15
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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PERMIT DRAWING SHEET 14 of 18



SITE 5
FORK SWAMP C
 TEMPORARY IMPACTS
 IN SURFACE WATER

NO OUTLET PROTECTION
OUTFALL VEGETATED
AND STABLE

ISBRBLDG 191
FFAP PROPERTIES, LLC

THE MODLIN AGENCY INC
VILLAGE RESOURCES INC



THE COVENGTION GROUP LTD

THE COVENGTION

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-  DENOTES IMPACTS IN SURFACE WATER



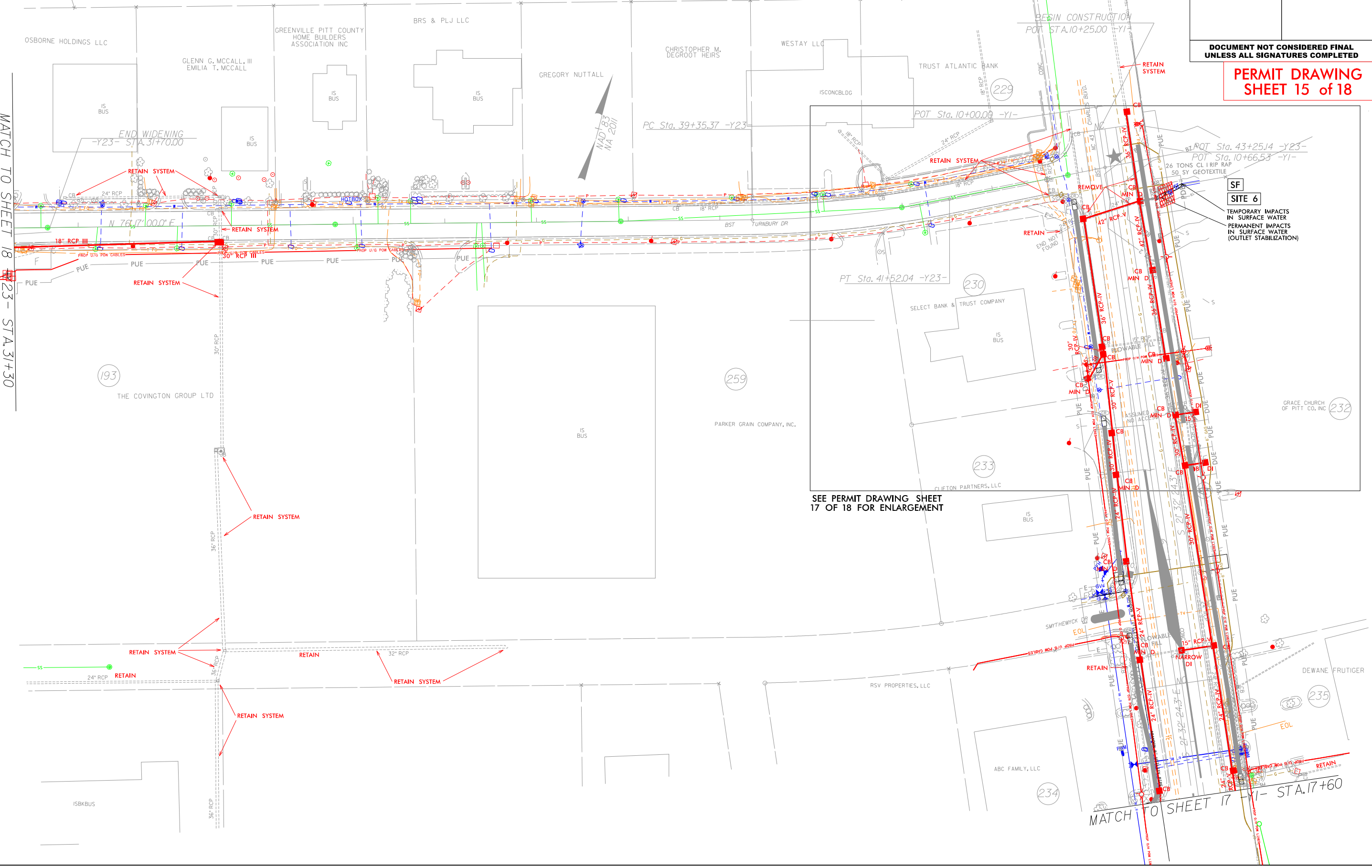
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 Raleigh, NC, 27609
 License No. C-3097

PROJECT REFERENCE NO. U-5785	SHEET NO. 19
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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PERMIT DRAWING SHEET 15 of 18

MATCH TO SHEET 18
 23 - STA. 31+30





SF SITE 6
 TEMPORARY IMPACTS IN SURFACE WATER
 PERMANENT IMPACTS IN SURFACE WATER (OUTLET STABILIZATION)

SEE PERMIT DRAWING SHEET 17 OF 18 FOR ENLARGEMENT

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-  DENOTES IMPACTS IN SURFACE WATER



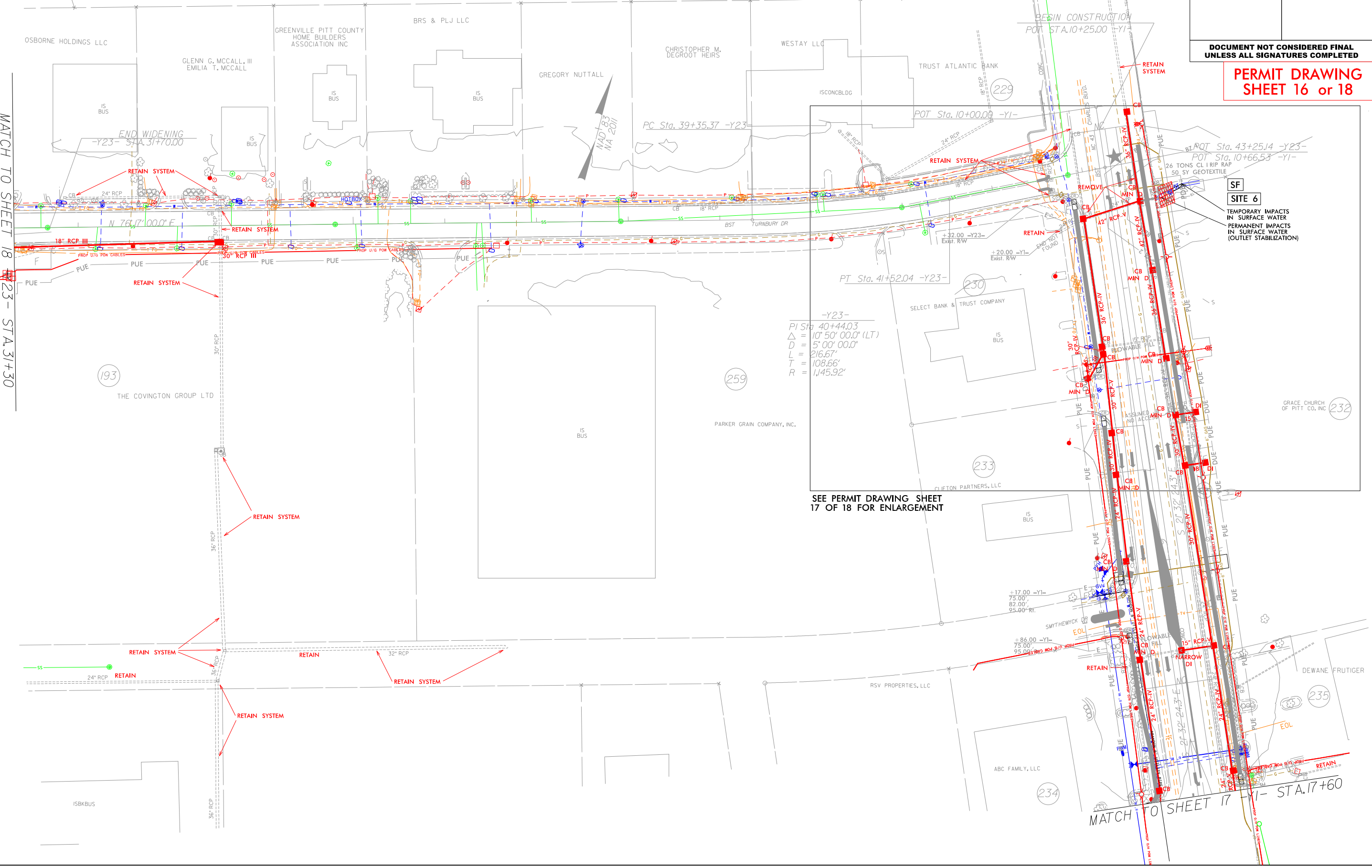
JMT Johnson, Mirmiran, & Thompson Inc.
 4700 Falls of Neuse Road, Suite 100
 Raleigh, NC, 27609
 License No. C-3097

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RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PERMIT DRAWING SHEET 16 of 18

MATCH TO SHEET 18
23 - STA. 31+30



SEE PERMIT DRAWING SHEET 17 OF 18 FOR ENLARGEMENT

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LEGEND:

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DENOTES IMPACTS IN SURFACE WATER

JMT Johnson, Mirmiran, & Thompson Inc.
 4700 Falls of Neuse Road, Suite 100
 Raleigh, NC, 27609
 License No: C-3097

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ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

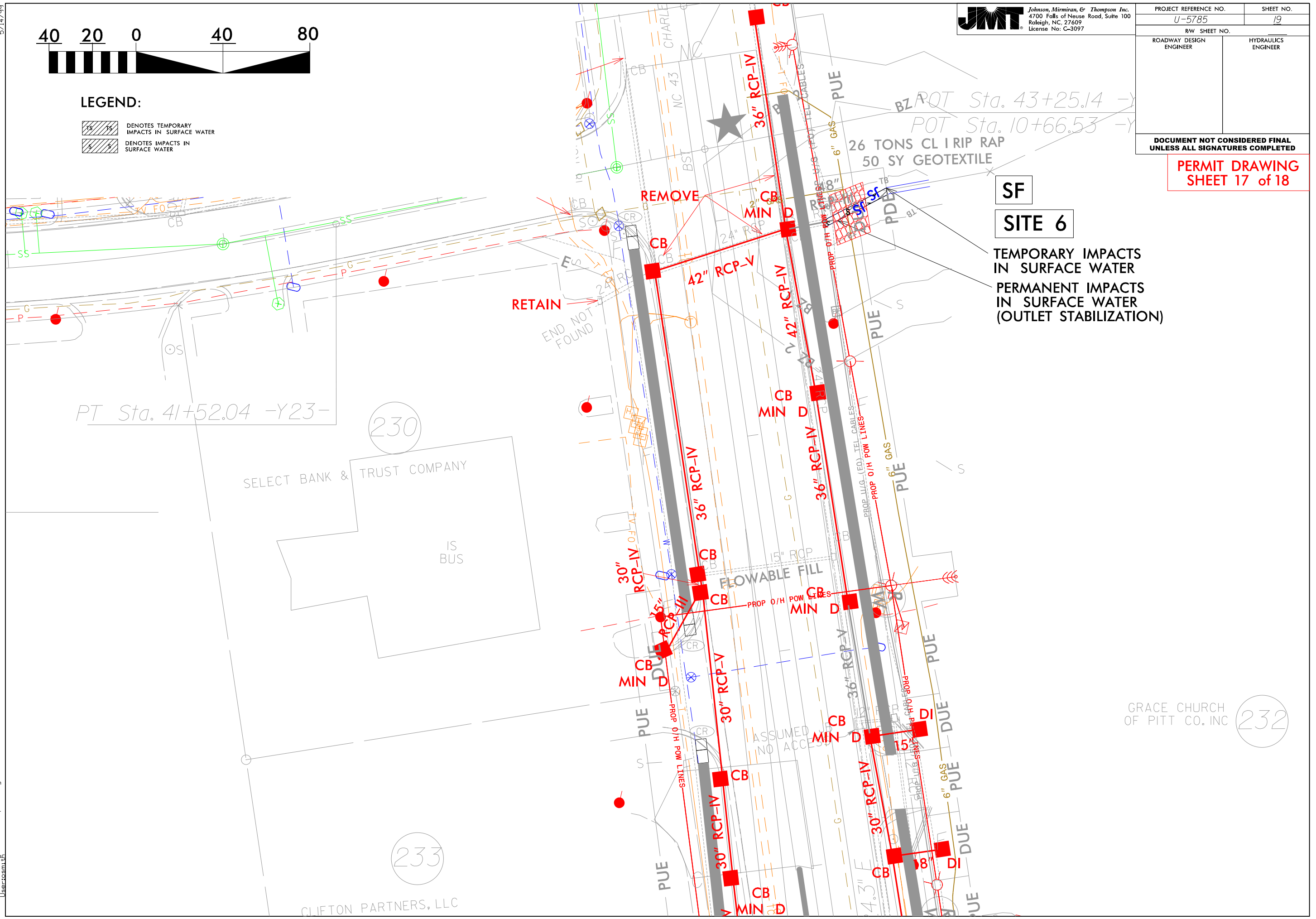
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UNLESS ALL SIGNATURES COMPLETED**

**PERMIT DRAWING
SHEET 17 of 18**

SF
SITE 6

TEMPORARY IMPACTS
IN SURFACE WATER

PERMANENT IMPACTS
IN SURFACE WATER
(OUTLET STABILIZATION)



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 User: crosby, jf

WETLAND AND SURFACE WATER IMPACTS SUMMARY

Site No.	Station (From/To)	Structure Size / Type	WETLAND IMPACTS					SURFACE WATER IMPACTS				
			Permanent Fill In Wetlands	Temp. Fill In Wetlands	Excavation in Wetlands	Mechanized Clearing in Wetlands	Hand Clearing in Wetlands (Conversion)	Permanent SW impacts	Temp. SW impacts	Existing Channel Impacts Permanent	Existing Channel Impacts Temp.	Natural Stream Design
			(ac)	(ac)	(ac)	(ac)	(ac)	(ac)	(ac)	(ft)	(ft)	(ft)
1	-L1- 95+28 to 95+46	Culvert Replacement						< 0.01	< 0.01	90	17	
		Bank Stabilization						< 0.01		20		
2	-L1- 109+07 to 109+54	Utility Installation/ Clearing					0.03					
3	-L1- 109+30 to 109+82	Bridge Construction						0.02			53	
4	-L1- 109+90 to 110+15	Rip Rap	< 0.01									
5	-L2- 12+25 to 12+45	Utility Installation						< 0.01	< 0.01		26	
6	-Y1- 11+12 to 10+97	Rip Rap & Utility Installation						< 0.01	< 0.01	22	11	
TOTALS*:			< 0.01				0.03	< 0.01	0.04	132	107	0

*Rounded totals are sum of actual impacts

NOTES:

NC DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 03/12/2026
 PITT
 U-5785
 44357.1.1

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-5785	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
44357.1.1	N/A	PE	
44357.2.1		RW	
44357.2.2		UTILITIES	
44357.3.1		CONST.	

U-5785

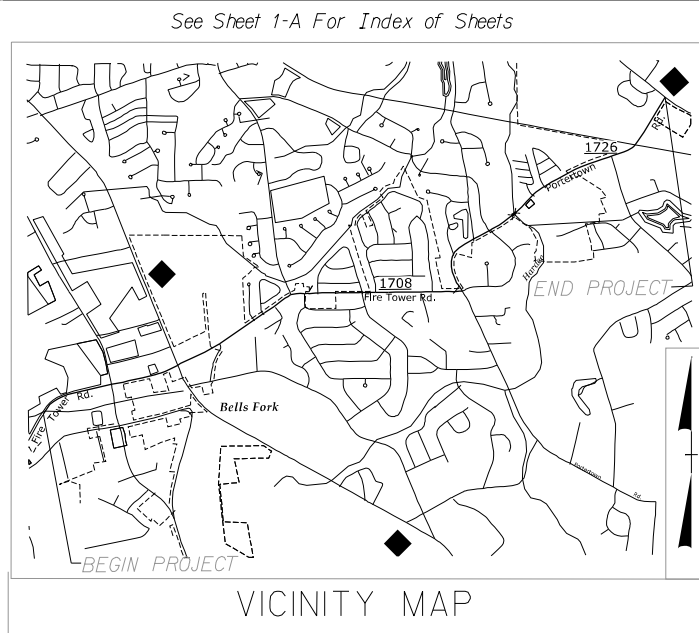
**PERMIT DRAWING
SHEET 1 of 13**

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PITT COUNTY

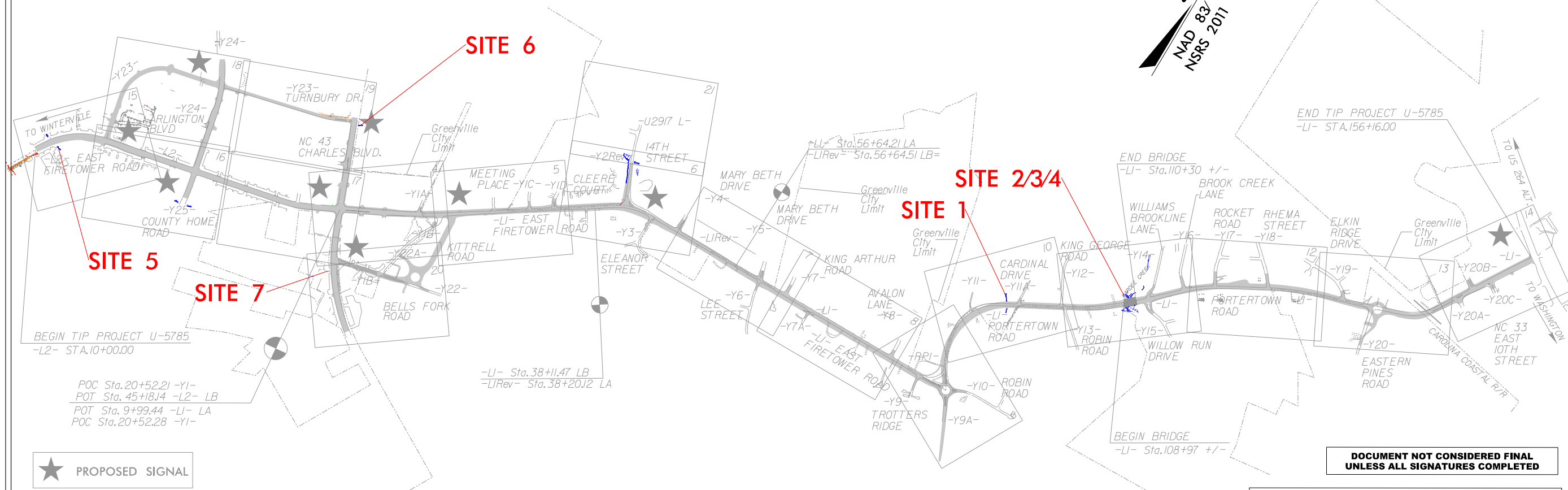
**LOCATION: SR 1708 (FIRETOWER ROAD) AND SR 1726 (PORTERTOWN ROAD)
FROM WEST OF EAST ARLINGTON BLVD
TO NC 33 (EAST 10TH STREET) IN GREENVILLE**

**TYPE OF WORK: GRADING, DRAINAGE, PAVING, STRUCTURE AND
CURB & GUTTER**



ROW PLANS

BUFFER IMPACTS



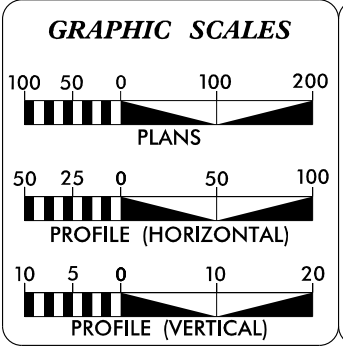
★ PROPOSED SIGNAL

THIS PROJECT IS WITHIN THE MUNICIPAL AND ETJ BOUNDARIES OF GREENVILLE.
THIS IS A PARTIAL CONTROLLED ACCESS PROJECT WITH ACCESS BEING LIMITED TO POINTS SHOWN ON PLANS.

**DOCUMENT NOT CONSIDERED FINAL
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JMT Johnson, Mirmiran, & Thompson Inc.
4700 Falls of Neuse Road, Suite 100
Raleigh, NC, 27609
License No: C-3097

CONTRACT:



DESIGN DATA

ADT 2014 =	25000
ADT 2040 =	32400
D =	55%
K =	8%
T =	2%*
*DUAL =	1% TTST = 1%
V =	45 MPH
FUNC CLASS =	MINOR ARTERIAL
REGIONAL TIER	

PROJECT LENGTH

LENGTH ROADWAY PROJECT U-5785 =	3.410 Mi.
LENGTH STRUCTURE PROJECT U-5785 =	0.025 Mi.
TOTAL LENGTH OF PROJECT U-5785 =	3.435 Mi.

Prepared In the Office of:
JOHNSON, MIRMIRAN & THOMPSON
4700 Falls of Neuse Rd., Suite 100, Raleigh NC 27609
License # C-3097
FOR THE NORTH CAROLINA DIVISION OF HIGHWAYS

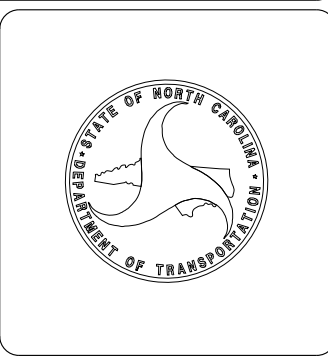
2024 STANDARD SPECIFICATIONS	KYLE COMPTON, PE PROJECT ENGINEER
RIGHT OF WAY DATE: SEPTEMBER 30, 2024	JOHN LANSFORD, PE PROJECT DESIGN ENGINEER
LETTING DATE: JULY 17, 2029	NCDOT CONTACT: ALEXANDER FOSTER, PE PMU PROJECT MANAGER

HYDRAULICS ENGINEER

SIGNATURE: _____ P.E.

ROADWAY DESIGN ENGINEER

SIGNATURE: _____ P.E.



09/08/19 CONTRACT: U-5785 TIP PROJECT: U-5785 3/9/2026 11:27 PM ... \U5785_Hyd_prm_buf_tsh.dgn User:rosmitth

5/14/99



LEGEND:
ALLOWABLE IMPACTS ZONE 1
ALLOWABLE IMPACTS ZONE 2

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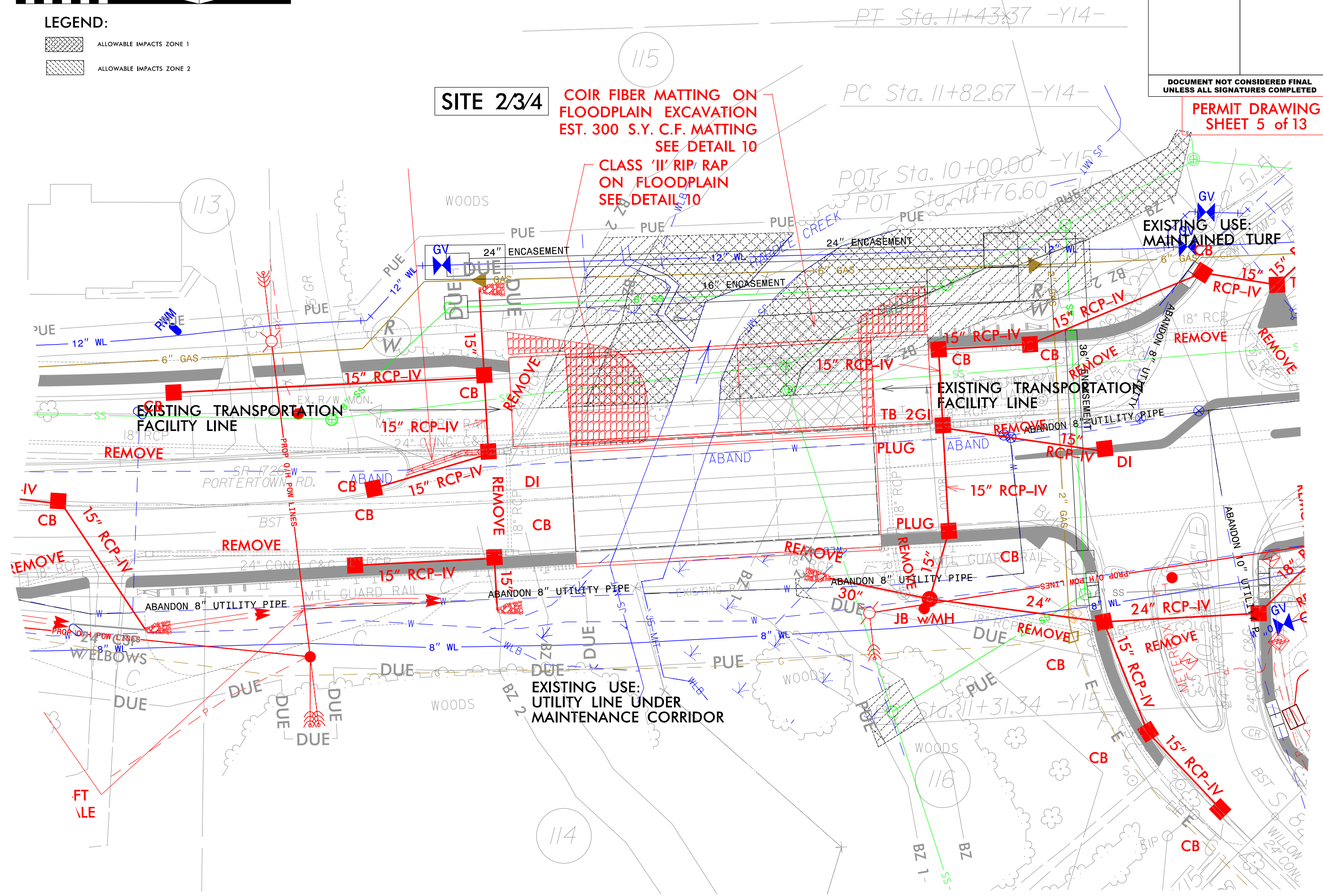
PROJECT REFERENCE NO. U-5785	SHEET NO. 11
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

PERMIT DRAWING
SHEET 5 of 13

SITE 2/3/4

COIR FIBER MATTING ON FLOODPLAIN EXCAVATION
EST. 300 S.Y. C.F. MATTING
SEE DETAIL 10

CLASS 'II' RIP/RAP ON FLOODPLAIN
SEE DETAIL 10



2/20/2016 3:05:06 PM
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5/14/99

100 50 0 100 200



LEGEND:

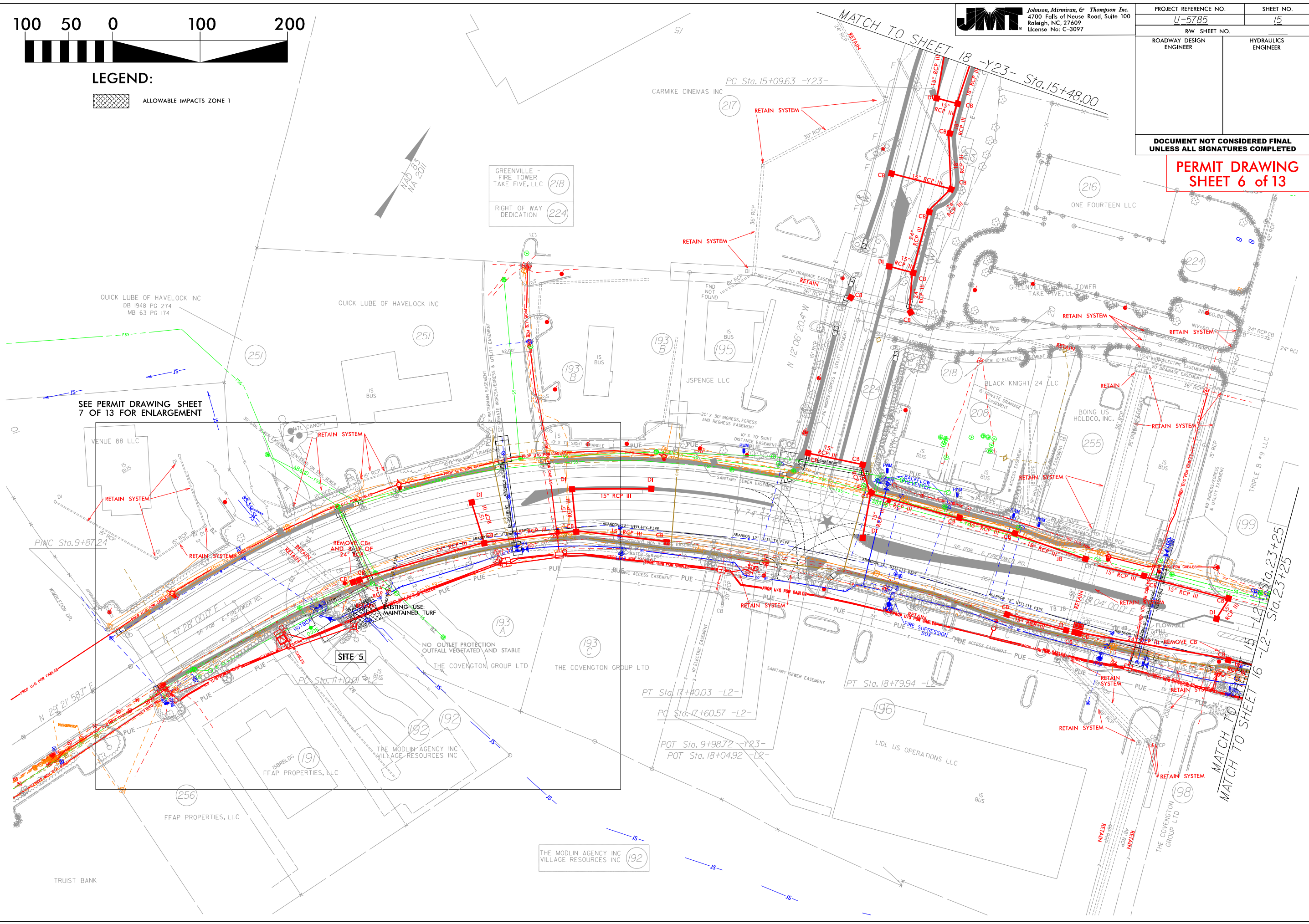
ALLOWABLE IMPACTS ZONE 1

JMT Johnson, Mirmiran, & Thompson Inc. 4700 Falls of Neuse Road, Suite 100 Raleigh, NC, 27609 License No: C-3097

PROJECT REFERENCE NO.	SHEET NO.
U-5785	15
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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PERMIT DRAWING SHEET 6 of 13



SEE PERMIT DRAWING SHEET 7 OF 13 FOR ENLARGEMENT

SITE 5

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5/14/99



LEGEND:

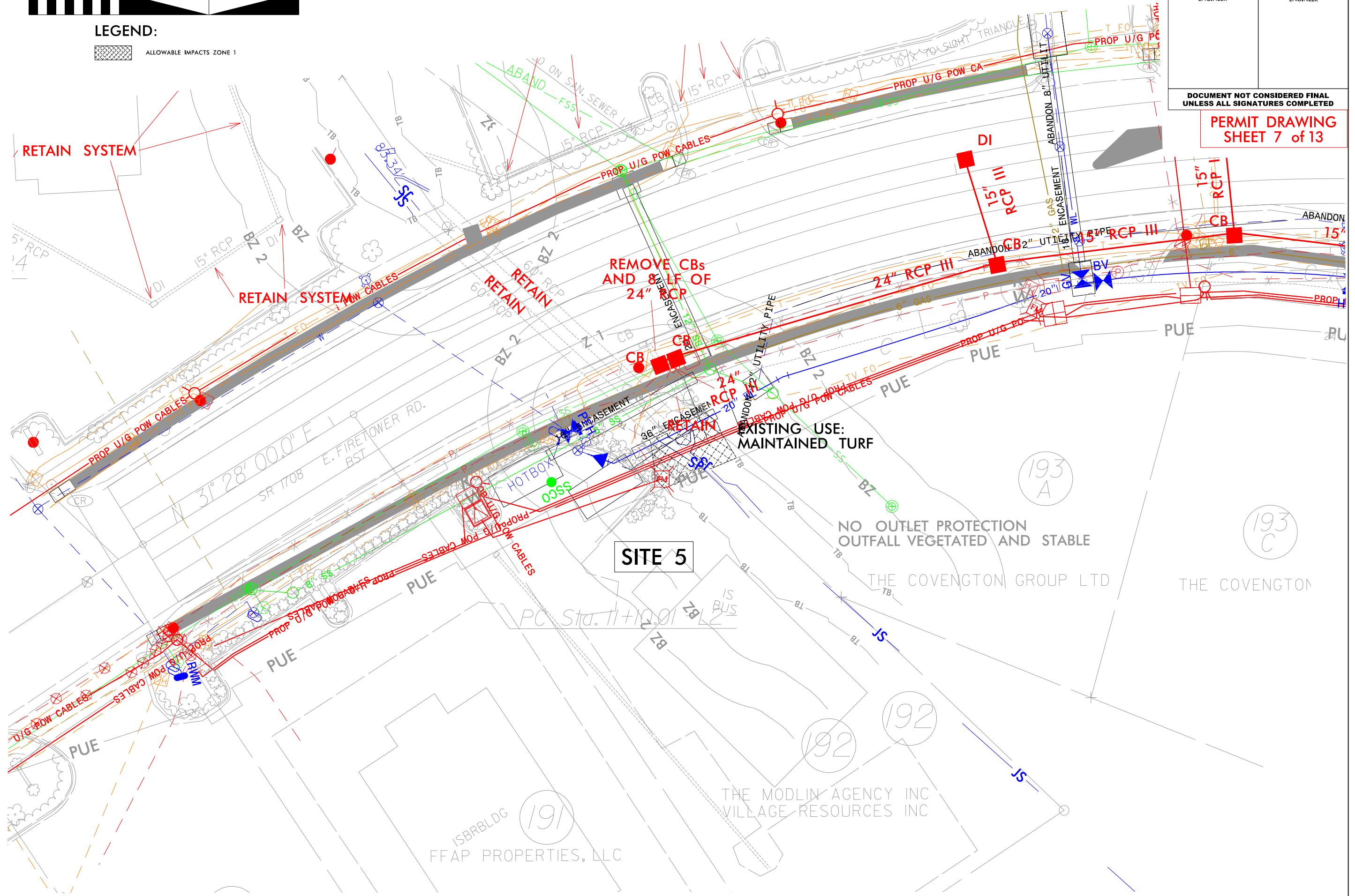
ALLOWABLE IMPACTS ZONE 1

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PROJECT REFERENCE NO. U-5785	SHEET NO. 15
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PERMIT DRAWING SHEET 7 of 13



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5/14/99



LEGEND:

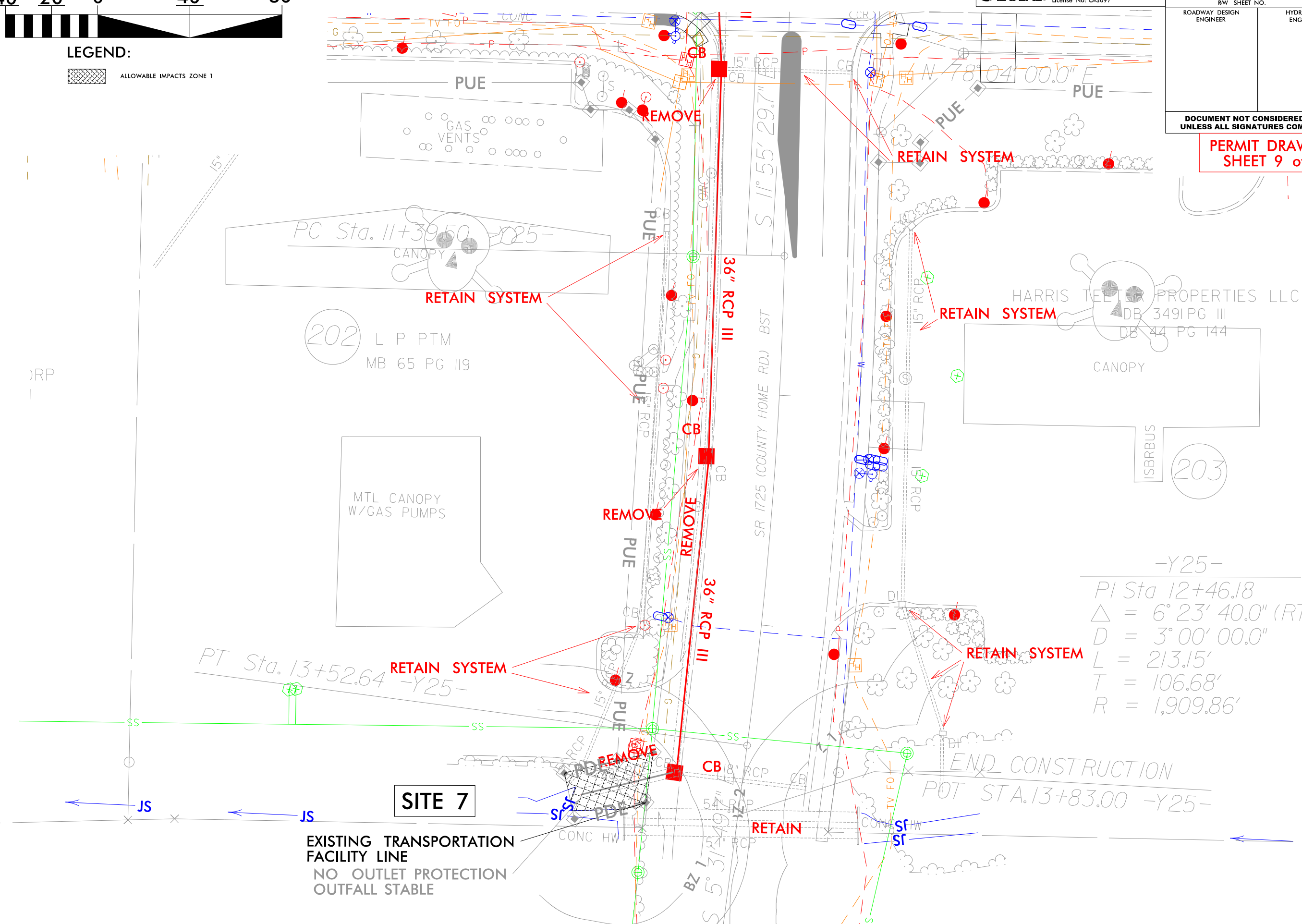
ALLOWABLE IMPACTS ZONE 1

JMT Johnson, Mirmiran, & Thompson Inc.
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 Raleigh, NC, 27609
 License No: C-3097

PROJECT REFERENCE NO. U-5785	SHEET NO. 16
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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PERMIT DRAWING SHEET 9 of 13



202 L P PTM
 MB 65 PG 119

HARRIS TELECOM PROPERTIES LLC
 DB 3491 PG III
 DB 44 PG 144

203

-Y25-
 PI Sta 12+46.18
 $\Delta = 6^{\circ} 23' 40.0''$ (RT)
 $D = 3^{\circ} 00' 00.0''$
 $L = 213.15'$
 $T = 106.68'$
 $R = 1,909.86'$



SITE 7

EXISTING TRANSPORTATION FACILITY LINE
 NO OUTLET PROTECTION
 OUTFALL STABLE

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5/14/99

LEGEND:

-  ALLOWABLE IMPACTS ZONE 1
-  ALLOWABLE IMPACTS ZONE 2

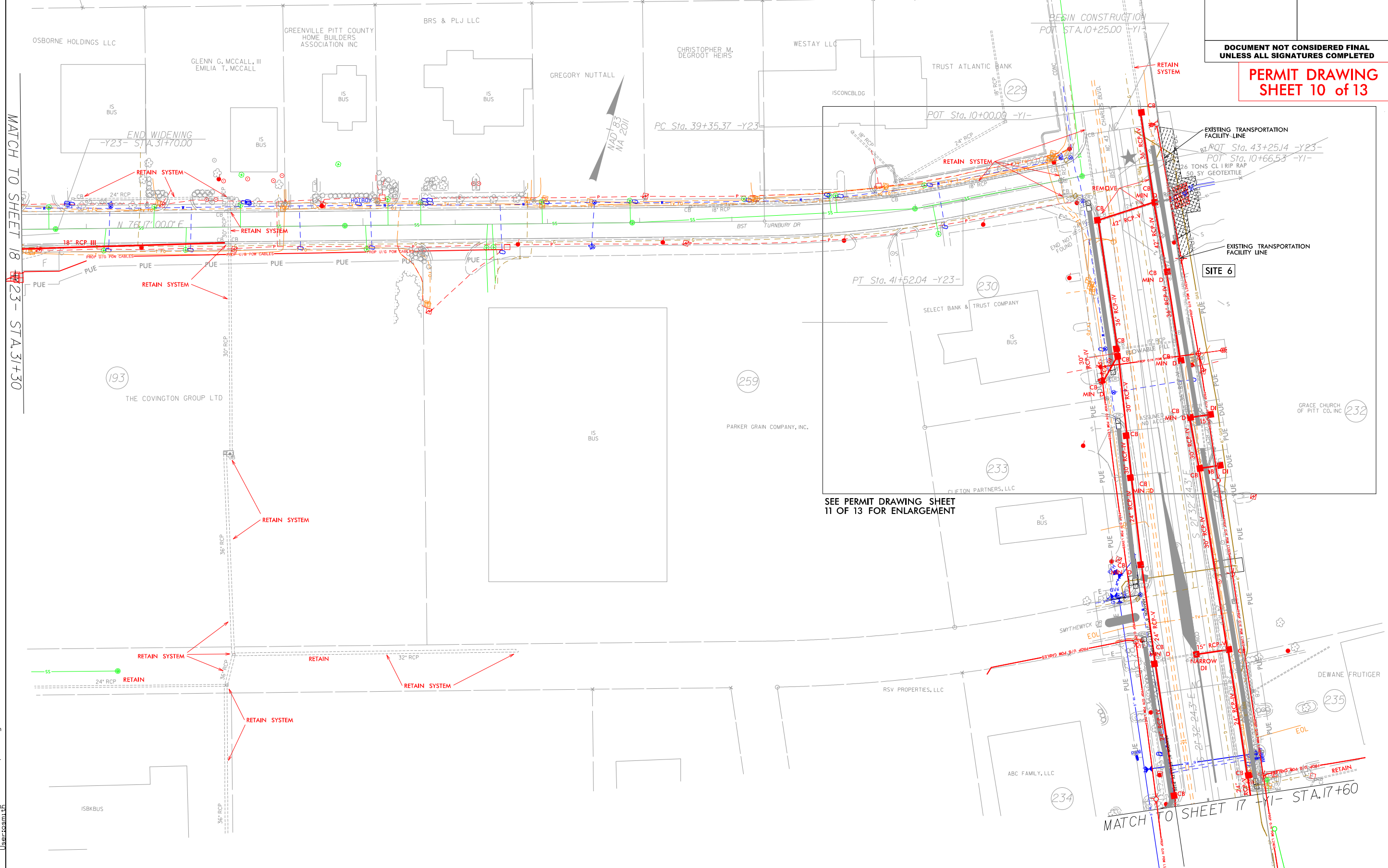


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 4700 Falls of Neuse Road, Suite 100
 Raleigh, NC, 27609
 License No. C-3097

PROJECT REFERENCE NO. U-5785	SHEET NO. 19
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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**PERMIT DRAWING
SHEET 10 of 13**



MATCH TO SHEET 18
23 - STA. 31+30

SEE PERMIT DRAWING SHEET 11 OF 13 FOR ENLARGEMENT

MATCH TO SHEET 17
- STA. 17+60

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5/14/99



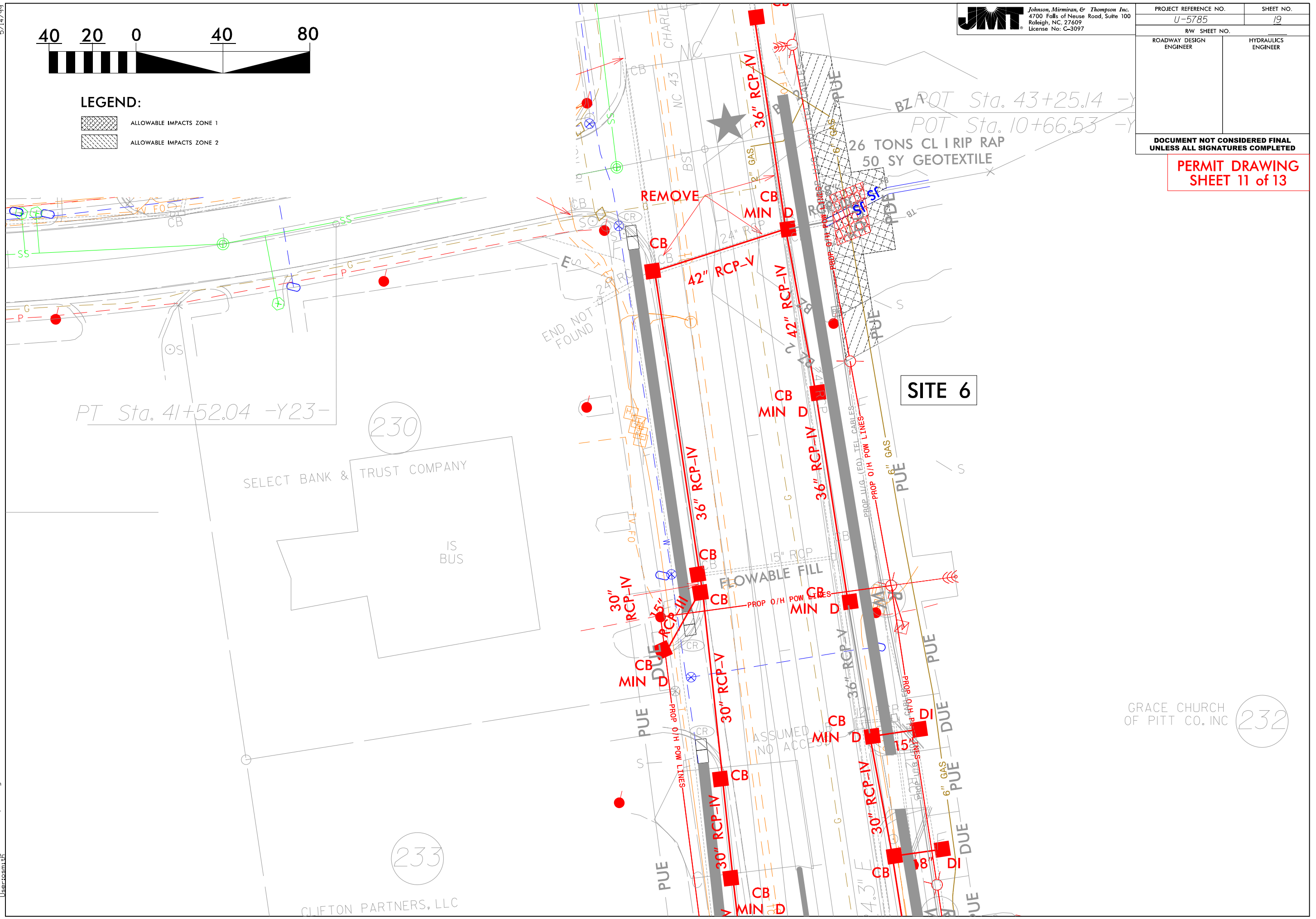
LEGEND:
ALLOWABLE IMPACTS ZONE 1
ALLOWABLE IMPACTS ZONE 2

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PROJECT REFERENCE NO. U-5785	SHEET NO. 19
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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PERMIT DRAWING
SHEET 11 of 13



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GRACE CHURCH OF PITT CO. INC (232)

