

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

J.R. "JOEY" HOPKINS
SECRETARY

May 23, 2024

MEMORANDUM TO: Contacts and Construction Units

FROM: Division 10 Environmental Team

SUBJECT: Environmental Permits for Greylock Ridge Road Extension in

Mecklenburg County, TIP: HL-0025.

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	Nationwide Permit 14	March 14, 2026		
NC Division of Water Resources Section 401 Water Quality Certification	General Certification No. 4246 [NWP 14]	March 14, 2026		

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

The Division Environmental Office must be consulted if any deviation from the permit(s) or accompanying drawings is required.

Telephone: (704) 983-4400

Customer Service: 1-877-368-4968

Website: www.ncdot.gov

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/



DEPARTMENT OF THE ARMY

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

May 20, 2024

Regulatory Division SAW-2022-00623

Sent Via email: jmhoward@ncdot.gov

Mr. Joel Howard NCDOT, PDEA Engineer, Division 10 716 West Main Street Albemarle, NC 28001

Dear Mr. Howard:

This letter is in response to the Pre-Construction Notification (PCN) you submitted to the Wilmington District, on March 25, 2024, for a Department of the Army Nationwide permit (NWP) verification. This project has been assigned the file number SAW-2022-00623 and is known as NCDOT HL-0025 Greylock Ridge Road Extension. 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 construction of a new roadway on new alignment. The project area for this determination includes a 12.4 acres area which is illustrated on the enclosed site plans/maps. The project/review area is located as an extension of the existing Greylock Ridge Road from East John Street to Tank Town Road. The project location is from the intersection of Greylock Ridge Road and East John Street to a location on Tank Town Road approximately 250 feet southeast of the intersection of Tank Town Road, Morris Road, and East Charles Street, at Latitude 35.108450 and Longitude -80.711080; in Matthews, Mecklenburg County, North Carolina.

We have determined that the proposed work is authorized by Nationwide Permit 14 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 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 PCN must be submitted to this office for written approval before work is initiated. Any violation of permit conditions or deviation from your submitted plans may subject the permittee to enforcement action.

This verification is valid until March 14, 2026, unless prior to this date the subject NWP(s) is suspended, revoked, or is modified such that the activity no longer complies

with the terms and conditions of this NWP. If you commence or are under contract to commence this activity before the date that the relevant NWP is modified or revoked, you will have 12 months from the date of the modification or revocation of the NWP to complete the activity under the present terms and conditions of this NWP.

Project Specific Special Conditions:

- 1. All work must be performed in strict compliance with (a) the description of work in the PCN and (b) the Wetlands and Surface Water Impact Permit Drawing(s) (Permit Plans) in the application dated March 25, 2024. Any modification to the description of work and/or the permit plans must be approved by the USACE prior to implementation.
- 2. The permittee shall require its contractors and/or agents to comply with the terms and conditions of this authorization letter 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 authorization letter, all conditions, and any authorized modifications. A copy of this authorization letter, all conditions, and any authorized modifications, shall be available at the project site during construction and maintenance of this project.
- 3. 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 Forms. The requirements of these forms, including any special conditions listed on these forms, are hereby incorporated as special conditions of this permit authorization.

This NWP verification 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 Stephen Brumagin, NCDOT WRDA Project Manager of the Charlotte Field Office at (704) 798-6471, by mail at the above address, or by email at stephen.a.brumagin@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.

Morte 2024.05.20 Matthews 15:10:33-04'00'

Monte K. Matthews NCDOT/WRDA Branch Chief Wilmington District

Enclosures

Permit plans 401 WQC NWP 14

cc (w/enclosures)

W. Wescott-NCDOT wgwescott@ncdot.gov

Compliance Certification Form

File Number: SAW-2022-00623	County: Mecklenburg
Permittee: NCDOT, PDEA Engineer, Division 10, Mr. Joel	Howard
Project Name: NCDOT HL-0025 Greylock Ridge Road Ext	ension
Date Verification Issued: 5/20/2024	
Project Manager: Stephen Brumagin	
Upon completion of the activity authorized by this permit and the permit, sign this certification, and return it to the following	
US ARMY CORPS OF ENGINEERS Wilmington District Attn: Stephen Brumagin Charlotte Field Office 8430 University Executive Park Dr., Suit Charlotte, NC 28262 or stephen.a.brumagin@usace.army.m	
Please note that your permitted activity is subject to a complication Corps of Engineers representative. Failure to comply we of this authorization may result in the Corps suspending, mode authorization and/or issuing a Class I administrative penalty, appropriate legal action.	vith any terms or conditions lifying, or revoking the
I hereby certify that the work, and mitigation (if applicable), at referenced permit has been completed in accordance with the said permit including any general or specific conditions.	
Date Authorized Work Started: Compl	leted:
Describe any deviations from permit (attach drawing(s) depict	ting the deviations):
*Note: The description of any deviations on this form does not const	itute approval by the Corps.

Date

Signature of Permittee

ROY COOPER Governor ELIZABETH S. BISER Secretary RICHARD E. ROGERS, JR. Director



May 16, 2024 Mecklenburg County DWR Project# 20240461 Greylock Ridge Road Ext STIP# HL-0025 WBS# 49490.1.1

Mr. Joel Howard NCDOT, Division 10, PDEA Engineer 716 West Main Street Albemarle, NC 28001 JMHoward@NCDOT.gov

Subject: 401 Water Quality Certification Pursuant to Section 401 of the Federal Clean Water Act with

ADDITIONAL CONDITIONS for Proposed improvements to Greylock Ridge Road in Mecklenburg

County, TIP Project No. HL-0025, NCDWR Project No. 20240461.

Dear Mr. Howard

Attached hereto is a copy of Certification No. GC 4246 issued to The North Carolina Department of Transportation (NCDOT) dated May 16, 2024.

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 Water Quality 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)]. This Certification does not relieve the permittee of the 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.

This letter completes the review of the Division under section 401 of the Clean Water Act and 15A NCAC 02H .0500. Please contact Mary Plummer at 704-235-2193 or Mary.Plummer@deq.nc.gov if you have any questions or concerns.

Sincerely,

-Docusigned by:
Omy Chapman

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

Attachments
Electronic copy only distribution:
Steve Brumagin, US Army Corp of Engineers, Charlotte Regulatory Field Office
Rebekah Reid, US Fish and Wildlife Service
David McHenry, NC Wildlife Resources Commission



401 Water Quality Certification Pursuant to Section 401 of the Federal Clean Water Act with ADDITIONAL CONDITIONS

THIS CERTIFICATION is issued in conformity with the requirements of Section 401 Public Laws 92-500 and 95-217 of the United States and subject to the North Carolina Division of Water Resources (NCDWR) Regulations in 15 NCAC 2H .0500. This certification authorizes the NCDOT to impact .15 acres of jurisdictional wetlands, in Mecklenburg County. The project shall be constructed pursuant to the application dated and received March 25, 2024. The authorized impacts are as described below:

Wetland Impacts in the Catawba River Basin

	Perm	Total Wetland		
Site	Roadway	Drainage Pipe/Outfall	Impact (ac)	
WC 1 Non-Riverine	.01	-		
WB 2 Riverine	.01	-	.01*	
WB 3 Riverine	-	.13	.13*	
Total	.02	.13	.15*	

Total Wetland Impact for Project: .15 acres. *Compensatory Mitigation

The application provides adequate assurance that the discharge of fill material into the waters of the Catawba River Basin in conjunction with the proposed development will not result in a violation of applicable Water Quality Standards and discharge guidelines. Therefore, the State of North Carolina certifies that this activity will not violate the applicable portions of Sections 301, 302, 303, 306, 307 of PL 92-500 and PL 95-217 if conducted in accordance with the application and conditions hereinafter set forth.

This approval is only valid for the purpose and design that you submitted in your application dated and received March 25, 2024. Should your project change, you are required to notify the NCDWR and submit a new application. If the property is sold, the new owner must be given a copy of this Certification and approval letter and is thereby responsible for complying with all the conditions. If any additional wetland impacts, or stream impacts, for this project (now or in the future) exceed one acre or 150 linear feet, respectively, additional compensatory mitigation may be required as described in 15A NCAC 2H .0506 (h) (6) and (7).

For this approval to remain valid, you are required to comply with all the conditions listed below. In addition, you should obtain all other federal, state, or local permits before proceeding with your project including (but not limited to) Sediment and Erosion control, Coastal Stormwater, Non-discharge and Water Supply watershed regulations. This Certification shall expire on the same day as the expiration date of the corresponding Corps of Engineers Permit.

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 regardless of the quantity of the withdrawal or the date on which the withdrawal was initiated or expanded. Upon the presentation of proper credentials, the Division may inspect the property.



Condition(s) of Certification:

Project Specific Conditions

- Changes to the approved plans are prohibited without prior approval from DWR. If changes occur to a project in which the above criteria cannot be met, a modification to the permit shall be required.
- 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.
- 3. 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.
- 4. Compensatory mitigation for impacts to .01 non riverine wetlands and .14 riverine wetland We understand that you have chosen to perform compensatory mitigation for impacts to wetlands through the North Carolina Division of Mitigation Services (DMS) (formerly NCEEP), and that the DMS has agreed to implement the mitigation for the project. DMS has indicated in a letter dated March 13, 2024, 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.

General 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 a permit modification will be required. [15A NCAC 02H.0506(b)(2)]
- If concrete is used during construction, a dry work area shall be maintained to prevent direct contact
 between curing concrete and surface 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]
- 3. For any 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)]
- 4. 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)]
- 5. The dimensions, pattern, and profile of streams above and below crossings shall not be modified. Disturbed floodplains and streams shall be restored to natural geomorphic conditions. [15A NCAC 02H.0506(b)(2)]



- 6. The use of riprap above the Normal High-Water Mark shall be minimized. Any riprap 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)]
- 7. 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)]
- 8. 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)]
- 9. Heavy equipment shall be operated from the banks rather than in the stream channel in order to minimize sedimentation and reduce the introduction of other pollutants into the stream. [15A NCAC 02H.0506(b)(3)]
- 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 hydroseed 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 maintained on the construction site at all times. In addition, the Water Quality Certification, and all subsequent modifications, if any, shall be maintained with the Division Engineer and the on-site project manager. [15A NCAC 02H .0507(c) and 15A NCAC 02H .0506 (b)(2) and (c)(2)]
- 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 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.
- 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 shall complete and return the enclosed "Certification of Completion Form" to notify the NCDWR when all work included in the 401 Certification has been completed. [15A NCAC 02H.0502(f)]
- 20. Native riparian vegetation must be reestablished in the riparian areas within the construction limits of the project by the end of the growing season following completion of construction. [15A NCAC 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 located 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 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 in order 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.
- 23. 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)]
- 24. 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]
- 25. 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*.
- 26. 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.
- 27. 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.



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.

A party filing a Petition must serve a copy of the Petition on: William F. Lane, 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 the 16th day of May 2024

DIVISION OF WATER RESOURCES

DocuSigned by:
Omy Chapman
909886312DCD474...

Richard E. Rogers, Jr. Director

WQC No. GC 4246



ROY COOPER

Governor

ELIZABETH S. BISER

Secretary

RICHARD E. ROGERS, JR.

Director



NCDWR Project No.: Environmental Quality
County: _____

Project Name:

Date of Issuance of 401 Water Quality Certification:

Certificate of Completion

Upon completion of all work approved within the 401 Water Quality Certification or applicable Buffer Rules, and any subsequent modifications, the applicant is required to return this certificate to the 401 Transportation Permitting Unit, North Carolina Division of Water Resources, 1617 Mail Service Center, Raleigh, NC, 27699-1617. This form may be returned to NCDWR by the applicant, the applicant's authorized agent, **or** the project engineer. It is not necessary to send certificates from all of these.

Applicant's Certification

Ι,	, hereby state that, to the best of my abilities, due care and diligence
	, hereby state that, to the best of my abilities, due care and diligence ne construction such that the construction was observed to be built within substantial Water Quality Certification and Buffer Rules, the approved plans and ting materials.
Signature:	Date:
Agent's Certification	
	, hereby state that, to the best of my abilities, due care and diligence ne construction such that the construction was observed to be built within substantial Water Quality Certification and Buffer Rules, the approved plans and ting materials.
Signature:	Date:
Engineer's Certification	
Partial	_ Final
I,	, as a duly registered Professional Engineer in the State of North
Carolina, having been authorize	d to observe (periodically, weekly, full time) the construction of the project for the
	e best of my abilities, due care and diligence was used in the observation of the uction was observed to be built within substantial compliance and intent of the 401
Water Quality Certification and	Buffer Rules, the approved plans and specifications, and other supporting materials.

Completed hard copies can be emailed to kristilynn.carpenter@ncdenr.gov or mailed to: NCDEQ Transportation Permitting 1617 Mail Service Center Raleigh NC 27699-1617

Signature _____ Registration No. ____



N Trade \$t BEGIN TIP HL-0025 END TIP HL-0025 VICINITY MAP *N.T.S.*

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

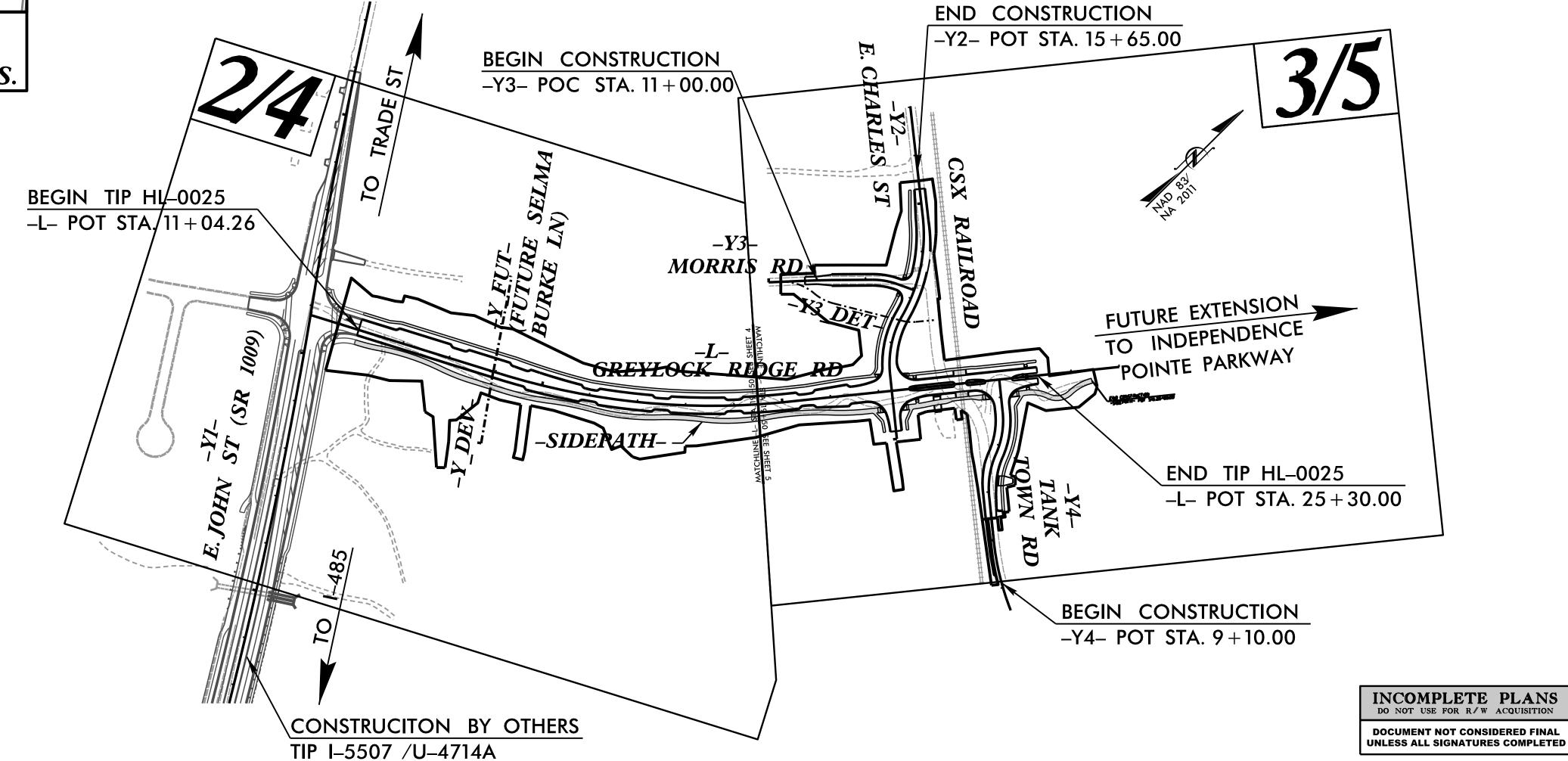
PLAN FOR PROPOSED HIGHWAY EROSION CONTROL

HL-0025 PE 49490.1.1

> THIS PROJECT CONTAINS EROSION CONTROL PLANS FOR CLEARING AND GRU33ING PHASE OF CONSTRUCTION.

PERMIT DRAWING SHEET 1 OF 5

WETLAND AND SURFACE WATER IMPACTS PERMIT



GRAPHIC SCALE



THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY WITH THE APPLICABLE REGULATIONS SET FORTH BY THE NCG-010000 GENERAL CONSTRUCTION PERMIT EFFECTIVE APRIL 1, 2019 AND ISSUED BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENTAL QUALITY DIVISION OF WATER RESOURCES.

EROSION CONTROL **ENGINEER**

SIGNATURE

5400 TRINITY ROAD SUITE 102 RALEIGH, NC 27607 919.223.8965 NC LIC. NO. F-1285

Prepared in the Office of:

Designed by:

B. Gregory Adolph, P.E. #053892

####

LEVEL III CERTIFICATION NO.

Roadway Standard Drawings

1630.03 Temporary Silt Ditch

1630.05 Temporary Diversion

1630.06 Special Stilling Basin

1631.01 Matting Installation

1630.04 Stilling 3asin

The following roadway english standards as appear in "Roadway Standard Drawings" - Roadway Design Unit - N. C. Department of Transportation - Raleigh, N. C., dated January 2018 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

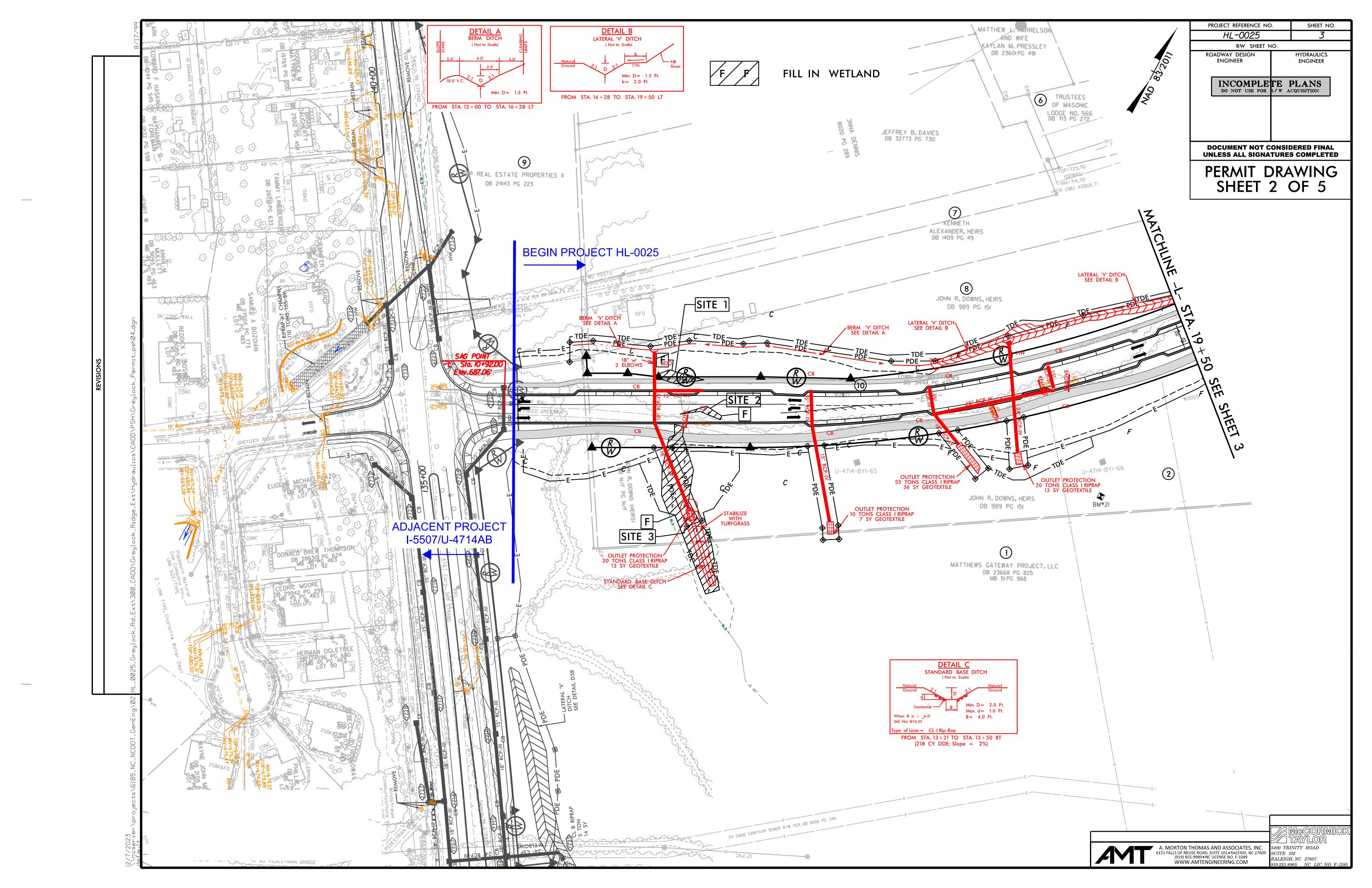
1632.01 Rock Inlet Sediment Trap Type A 1604.01 Railroad Erosion Control Detail 1605.01 Temporary Silt Fence 1632.02 Rock Inlet Sediment Trap Type 3 1606.01 Special Sediment Control Fence 1607.01 Gravel Construction Entrance

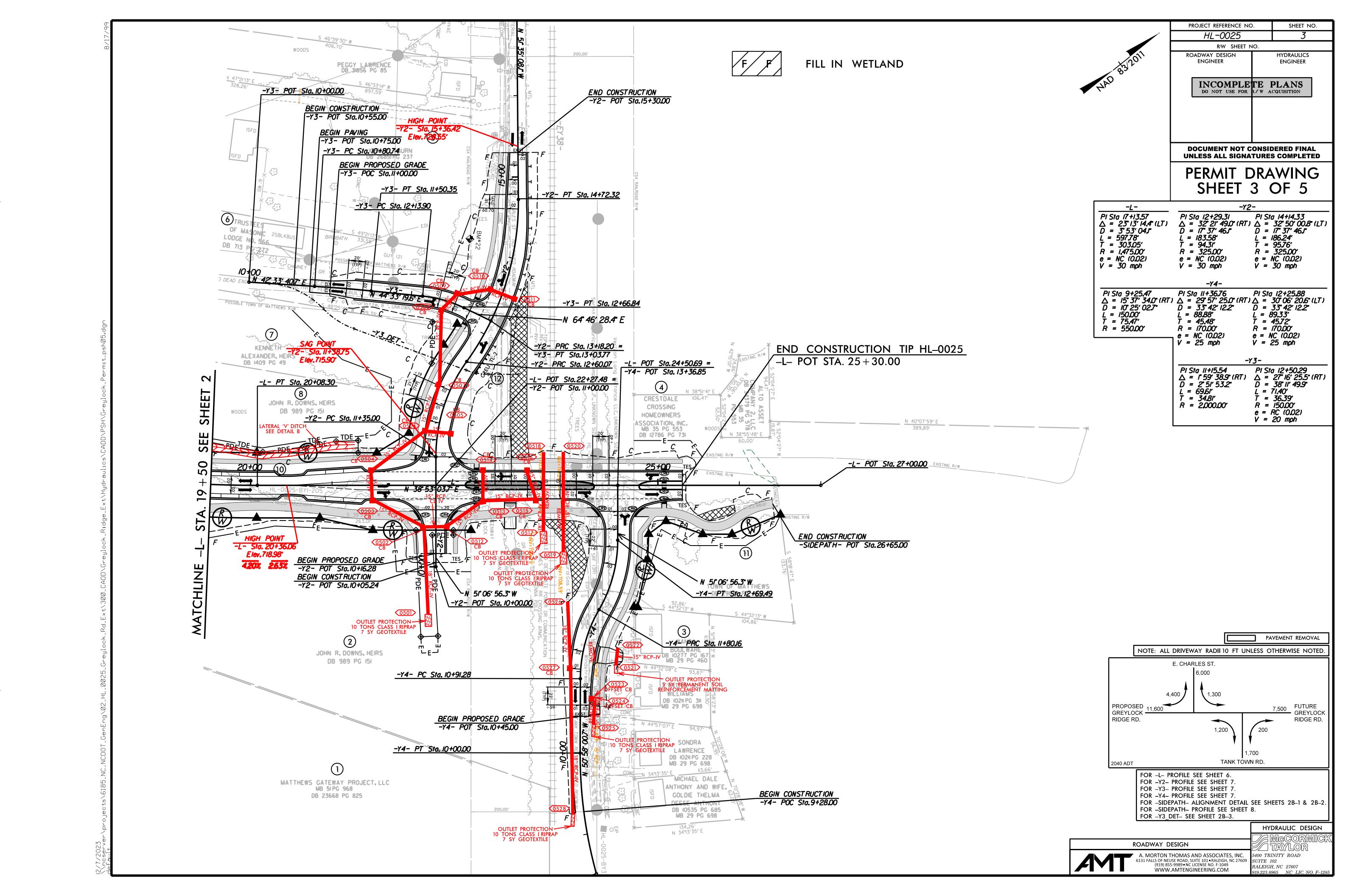
1632.03 Rock Inlet Sediment Trap Type C 1622.01 Temporary 3erms and Slope Drains 1630.01 Riser 3asin 1630.02 Silt 3asin Type 3

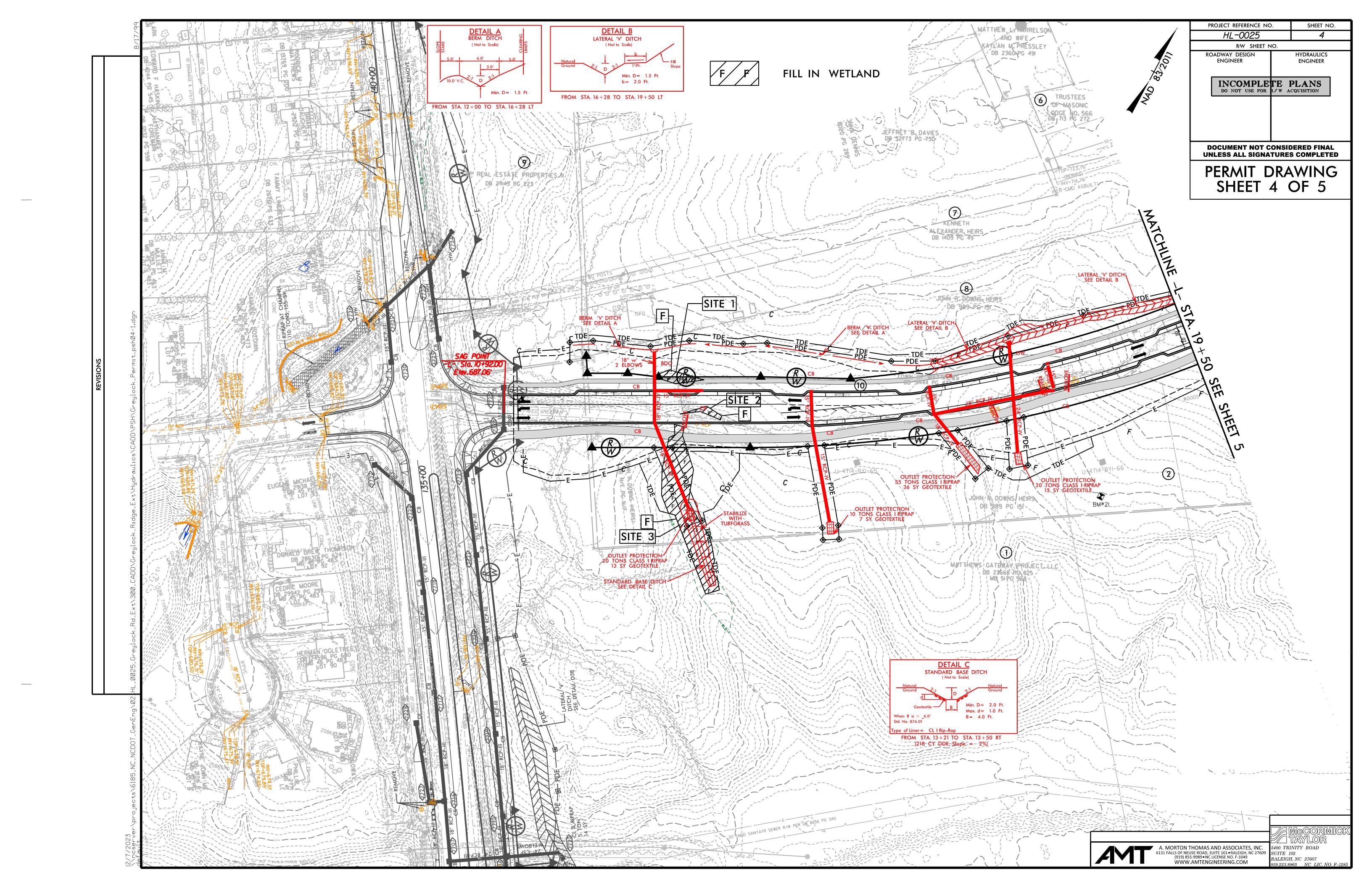
1633.01 Temporary Rock Silt Check Type A 1633.02 Temporary Rock Silt Check Type 3 1634.01 Temporary Rock Sediment Dam Type A

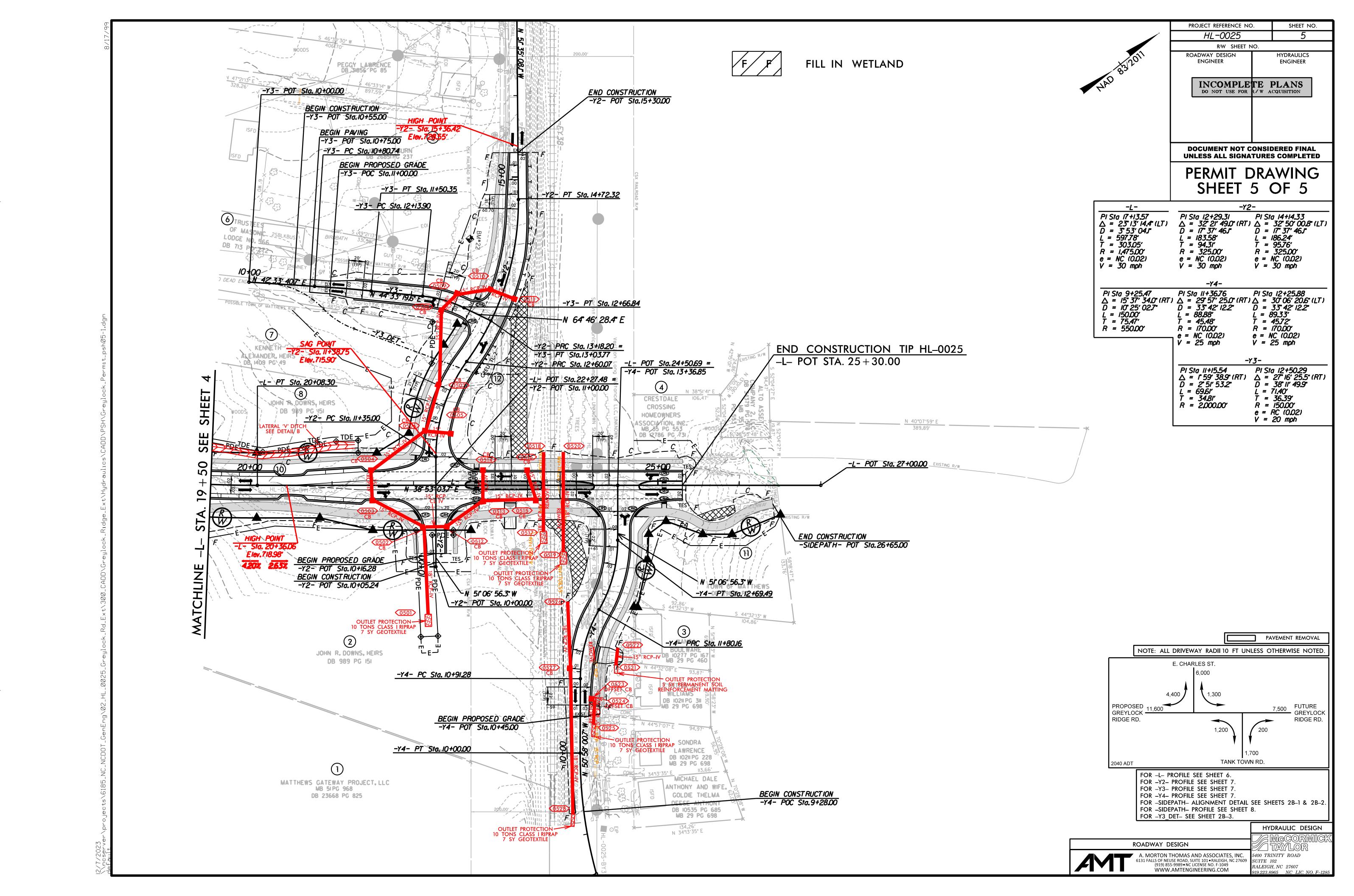
1634.02 Temporary Rock Sediment Dam Type 3
1635.01 Rock Pipe Inlet Sediment Trap Type A
1635.02 Rock Pipe Inlet Sediment Trap Type 3 1640.01 Coir Fiber 3affle

1645.01 Temporary Stream Crossing









			WETLAND AND SURFACE WATER IMPACTS SUMMARY WETLAND IMPACTS SURFACE WATER IMPACT								DACTS	<u> </u>
	 			WE	TLAND IMP	ACIS	Hand	3	SURFACE	Existing	Existing	
Site Station No. (From/To)		Structure Size / Type	Permanent Fill In Wetlands (ac)	Temp. Fill In Wetlands (ac)	Excavation in Wetlands (ac)	Mechanized Clearing in Wetlands (ac)	Clearing in Wetlands (ac)	Permanent SW impacts (ac)	Temp. SW impacts (ac)	Channel Impacts Permanent (ft)	Channel Impacts	Natural Stream Design (ft)
1	12+76.50 to 13+40.50 LT	Roadway Fill	0.01									
2	3+10.36 to 13+61.890 RT/L	Roadway Fill	< 0.01									
3	12+87.48 to 13+27.09 RT	Drainage Pipe/Outfall	0.13									
TOTAL			0.15							0	0	0

*Rounded totals are sum of actual impacts

NOTES:

NC DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS 03-08-2024 Mecklenburg County HL-0025 ENTER WBS # HERE SHEET 6

6

Revised 2018 Feb