



Pre-Construction Notification (PCN) Form

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

December 4, 2023 Ver 4.3

Please note: fields marked with a red asterisk * below are required. You will not be able to submit the form until all mandatory questions are answered.

Also, if at any point you wish to print a copy of the E-PCN, all you need to do is right-click on the document and you can print a copy of the form.

Below is a link to the online help file.

<https://edocs.deq.nc.gov/WaterResources/DocView.aspx?dbid=0&id=2196924>

A. Processing Information

If this is a courtesy copy, please fill in this with the submission date.

Does this project involve maintenance dredging funded by the Shallow Draft Navigation Channel Dredging and Aquatic Weed Fund, electric generation projects located at an existing or former electric generating facility, or involve the distribution or transmission of energy or fuel, including natural gas, diesel, petroleum, or electricity? *

Yes No

Is this project connected with ARPA funding? *

Yes No

County (or Counties) where the project is located: *

Hoke

Is this a NCDMS Project? *

Yes No

Click Yes, only if NCDMS is the applicant or co-applicant.

DON NOT CHECK YES, UNLESS YOU ARE DMS OR CO-APPLICANT.

Is this project a public transportation project? *

Yes No

This is any publicly funded by municipal, state or federal funds road, rail, airport transportation project.

Is this a NCDOT Project? *

Yes No

(NCDOT only) T.I.P. or state project number:

U-5753

WBS # *

51078.1.1

(for NCDOT use only)

1a. Type(s) of approval sought from the Corps: *

- Section 404 Permit (wetlands, streams and waters, Clean Water Act)
 Section 10 Permit (navigable waters, tidal waters, Rivers and Harbors Act)

Has this PCN previously been submitted? *

Yes
 No

1b. What type(s) of permit(s) do you wish to seek authorization? *

- Nationwide Permit (NWP)
 Regional General Permit (RGP)
 Standard (IP)

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

Yes No

Regional General Permit (RGP) Number:

201902350 - Work associated with bridge construction, widening, replacement, and interchanges

RGP Numbers (for multiple RGPs):

List all RGP numbers you are applying for not on the drop down list.

1d. Type(s) of approval sought from the DWR: *

check all that apply

- 401 Water Quality Certification - Regular
- Non-404 Jurisdictional General Permit
- Individual 401 Water Quality Certification
- 401 Water Quality Certification - Express
- Riparian Buffer Authorization

1e. Is this notification solely for the record because written approval is not required?

*

For the record only for DWR 401 Certification:

Yes No

For the record only for Corps Permit:

Yes No

1f. Is this an after-the-fact permit application? *

Yes No

1g. Is payment into a mitigation bank or in-lieu fee program proposed for mitigation of impacts?

If so, attach the acceptance letter from mitigation bank or in-lieu fee program.

Yes No

Acceptance Letter Attachment

Click the upload button or drag and drop files here to attach document

FILE TYPE MUST BE PDF

1h. Is the project located in any of NC's twenty coastal counties? *

Yes No

1j. Is the project located in a designated trout watershed? *

Yes No

Link to trout information: <http://www.saw.usace.army.mil/Missions/Regulatory-Permit-Program/Agency-Coordination/Trout.aspx>

B. Applicant Information



1a. Who is the Primary Contact? *

Jason Dilday

1b. Primary Contact Email: *

jdilday1@ncdot.gov

1c. Primary Contact Phone: *

(xxx)xxx-xxxx
(919)707-6111

1d. Who is applying for the permit? *

- Owner
(Check all that apply)
- Applicant (other than owner)

1e. Is there an Agent/Consultant for this project? *

Yes No

2. Owner Information

2a. Name(s) on recorded deed: *

NCDOT

2b. Deed book and page no.:

2c. Contact Person:

(for Corporations)

2d. Address *

Street Address

1000 Birch Ridge Drive

Address Line 2

City

Raleigh

Postal / Zip Code

27610

State / Province / Region

NC

Country

USA

2e. Telephone Number: *

(xxx)xxx-xxxx
(919)707-6111

2f. Fax Number:

(xxx)xxx-xxxx

2g. Email Address: *

jdilday1@ncdot.gov

C. Project Information and Prior Project History



1. Project Information



1a. Name of project: *

Widening of SR1418 from SR1787 to US401 and SR1305 from US401 to Plank Rd (U-5753)

1b. Subdivision name:

(if appropriate)

1c. Nearest municipality / town: *

Rockfish

2. Project Identification



2a. Property Identification Number:

(tax PIN or parcel ID)

2b. Property size:

(in acres)

2c. Project Address

Street Address

Address Line 2

City

State / Province / Region

Postal / Zip Code

Country

2d. Site coordinates in decimal degrees

Please collect site coordinates in decimal degrees. Use between 4-6 digits (unless you are using a survey-grade GPS device) after the decimal place as appropriate, based on how the location was determined. (For example, most mobile phones with GPS provide locational precision in decimal degrees to map coordinates to 5 or 6 digits after the decimal place.)

Latitude: *

35.039882
ex: 34.208504

Longitude: *

-79.104280
-77.796371

3. Surface Waters

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

UTs to Little Rockfish Creek, Stewarts Creek and Puppy Creek

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

C

[Surface Water Lookup](#)

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

Cape Fear

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

03030004

[River Basin Lookup](#)

4. Project Description and History

4a. Describe the existing conditions on the site and the general land use in the vicinity of the project at the time of this application: *

Land use in the project vicinity consists of residential development, forested corridors and agricultural fields along Wayside Road and Lindsay Road. Plank Road consists of residential development and property owned by Fort Liberty.

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

Yes No Unknown

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

15.5

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

(intermittent and perennial)

1,050

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

The primary need for the proposed action is to address the anticipated increase in traffic volumes. The purpose of the proposed project is to improve traffic safety and reduce congestion in the area south of Fort Liberty as part of a series of roadway improvements between Fort Liberty and the community of Rockfish.

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

-Improvements on Wayside Road will widen the existing roadway from a two-lane undivided road to a four-lane median divided roadway, with two travel lanes in each direction, and four-foot paved shoulders that can accommodate bicyclists on each side. Median breaks will be provided to allow left turns at Clan Campbell Drive, Independence Drive, and Brock Road. The intersection of Wayside Road and Plank Road would be re-aligned as a "T" intersection.
 -Lindsay Road will be widened from a two-lane undivided road to four-lane facility with a median and five-foot paved shoulders that can accommodate bicyclists on each side from U.S. 401 to Adcox Road. From Adcox Road south to Gillis Hill Road, the design of Lindsay Road is based on 3-R Guidelines and will include five-foot shoulders that can accommodate bicyclists on each side; no additional travel lanes will be added in this section.
 -Standard road building equipment will be used including dozers, backhoes, graders and dump trucks.

5. Jurisdictional Determinations

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

Yes No Unknown

Comments:

5b. If the Corps made a jurisdictional determination, what type of determination was made? *

Preliminary Approved Not Verified Unknown N/A

Corps AID Number:

Example: SAW-2017-99999

SAW-2021-01867

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

Name (if known): Brett Feulner

Agency/Consultant Company: Dewberry

Other:

5d. List the dates of the Corp jurisdiction determination or State determination if a determination was made by the Corps or DWR.

PJD received from James Lastinger on 8/5/2022

6. Future Project Plans

6a. Is this a phased project? *

Yes No

Are any other NWP(s), regional general permit(s), or individual permits(s) used, or intended to be used, to authorize any part of the proposed project or related activity? This includes other separate and distant crossing for linear projects that require Department of the Army authorization but don't require pre-construction notification.

D. Proposed Impacts Inventory

1. Impacts Summary

1a. Where are the impacts associated with your project? (check all that apply):

Wetlands Streams-tributaries Buffers
 Open Waters Pond Construction

2. Wetland Impacts

If there are wetland impacts proposed on the site, then complete this question for each wetland area impacted.

"W." will be used in the table below to represent the word "wetland".

2a. Site #* (?)	2a1 Reason* (?)	2b. Impact type* (?)	2c. Type of W.*	2d. W. name*	2e. Forested*	2f. Type of Jurisdiction* (?)	2g. Impact area* (acres)
Site 1	Fill	P	Bottomland Hardwood Forest	WBL	Yes	Corps	0.001 (acres)
Site 1	Excavation	P	Bottomland Hardwood Forest	WBL	Yes	Corps	0.001 (acres)
Site 1	Mech Clearing	P	Bottomland Hardwood Forest	WBL	Yes	Corps	0.001 (acres)
Site 2	Fill	P	Non-Tidal Freshwater Marsh	WAL	Yes	Corps	0.001 (acres)
Site 2	Mech Clearing	P	Non-Tidal Freshwater Marsh	WAL	Yes	Corps	0.020 (acres)
Site 3	Fill	P	Headwater Forest	WGL	Yes	Corps	0.090 (acres)

Site 3	Excavation	P	Headwater Forest	WGL	Yes	Corps	0.020 (acres)
Site 3	Mech Clearing	P	Hardwood Flat	WGL	Yes	Corps	0.060 (acres)
Site 5	Fill	P	Headwater Forest	WAW	Yes	Corps	0.130 (acres)
Site 5	Mech Clearing	P	Headwater Forest	WAW	Yes	Corps	0.020 (acres)
Site 3 -Utility	Fill	P	Headwater Forest	WGL	Yes	Corps	0.001 (acres)
Site 5 -Utility	Fill	P	Headwater Forest	WAW	Yes	Corps	0.001 (acres)
Site 5-Utility	Open Cut	T	Headwater Forest	WAW	Yes	Corps	0.015 (acres)

2g. Total Temporary Wetland Impact

0.015

2g. Total Permanent Wetland Impact

0.346

2g. Total Wetland Impact

0.361

2i. Comments:

Fill impacts at Sites 3 and 5, due to utilities are for placement of poles in wetlands. Site 5, for utilities will require a section of open cut where the angle is too extreme to allow for directional bore in this area.

An additional 0.63 ac of wetland impact will occur due to handclearing for utility relocation.

3. Stream Impacts

If there are perennial or intermittent stream impacts (including temporary impacts) proposed on the site, then complete this question for all stream sites impacted.

"S." will be used in the table below to represent the word "stream".

	3a. Reason for impact* (?)	3b. Impact type *	3c. Type of impact *	3d. S. name *	3e. Stream Type* (?)	3f. Type of Jurisdiction *	3g. S. width* Average (feet)	3h. Impact length* (linear feet)
S1	Site 4 Channel Relocation	Permanent	Fill	SCL	Perennial	Both	2 Average (feet)	76 (linear feet)
S2	Site 6 Pipe Replacement	Permanent	Fill	SAW	Intermittent	Corps	4 Average (feet)	76 (linear feet)
S3	Site 6 Pipe Replacement	Temporary	Dewatering	SAW	Intermittent	Corps	4 Average (feet)	34 (linear feet)

** All Perennial or Intermittent streams must be verified by DWR or delegated local government.

3i. Total jurisdictional ditch impact in square feet:

0

3i. Total permanent stream impacts:

152

3i. Total temporary stream impacts:

34

3i. Total stream and ditch impacts:

186

3j. Comments:

4. Open Water Impacts

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

4a. Site #* (?)	4a1. Impact Reason	4b. Impact type* (?)	4c. Name of waterbody (?)	4d. Activity type*	4e. Waterbody type*	4f. Impact area* (acres)
Site 2	Pipe Extension	P	PCL	Fill	Pond	0.01 (acres)
Site 2	Pipe Extension	T	PCL	Dewatering	Pond	0.01 (acres)

Site 4	Culvert Install	P	PBL	Fill	Pond	0.01 (acres)
Site 4	Culvert Install	T	PBL	Dewatering	Pond	0.05 (acres)
Site 4	Bank Stabilization	P	PBL	Stabilization	Pond	0.02 (acres)

4g. Total temporary open water Impacts:

0.06

4g. Total permanent open water impacts:

0.04

4g. Total open water impacts:

0.10

4h. Comments:

E. Impact Justification and Mitigation



1. Avoidance and Minimization

1a. Specifically describe measures taken to avoid or minimize the proposed impacts in designing the project: *

There is no direct stormwater discharges into jurisdictional areas. See stormwater management plan for additional measures.

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

Existing drainage patterns are maintained as best possible. In fill sections, stormwater will flow across vegetated shoulders and down vegetated slopes prior to leaving the ROW. In cut sections, stormwater will flow across vegetated shoulders and into vegetated ditches.

2. Compensatory Mitigation for Impacts to Waters of the U.S. or Waters of the State

2a. Does the project require Compensatory Mitigation for Impacts to Waters of the U.S. or Waters of the State?

Yes No

2c. If yes, mitigation is required by (check all that apply):

DWR Corps

2d. If yes, which mitigation option(s) will be used for this project?

Mitigation bank Payment to in-lieu fee program Permittee Responsible Mitigation

4. Complete if Making a Payment to In-lieu Fee Program

4a. Approval letter from in-lieu fee program is attached.

Yes No

4b. Stream mitigation requested:

(linear feet)

152

4c. If using stream mitigation, what is the stream temperature:

warm

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

4d. Buffer mitigation requested (DWR only):

(square feet)

4e. Riparian wetland mitigation requested:

(acres)

0.36

4f. Non-riparian wetland mitigation requested:

(acres)

4g. Coastal (tidal) wetland mitigation requested:

(acres)

4h. Comments

F. Stormwater Management and Diffuse Flow Plan (required by DWR)



*** Recent changes to the stormwater rules have required updates to this section .***

1. Diffuse Flow Plan

1a. Does the project include or is it adjacent to protected riparian buffers identified within one of the NC Riparian Buffer Protection Rules?

Yes No

For a list of options to meet the diffuse flow requirements, click [here](#).

If no, explain why:

The Cape Fear River basin, downstream of Jordan Lake is not located within a protected buffer basin.

2. Stormwater Management Plan

2a. Is this a NCDOT project subject to compliance with NCDOT's Individual NPDES permit NCS000250? *

Yes No

Comments:

G. Supplementary Information



1. Environmental Documentation

1a. Does the project involve an expenditure of public (federal/state/local) funds or the use of public (federal/state) land? *

Yes No

1b. If you answered "yes" to the above, does the project require preparation of an environmental document pursuant to the requirements of the National or State (North Carolina) Environmental Policy Act (NEPA/SEPA)? *

Yes No

1c. If you answered "yes" to the above, has the document review been finalized by the State Clearing House? (If so, attach a copy of the NEPA or SEPA final approval letter.) *

Yes No

2. Violations (DWR Requirement)

2a. Is the site in violation of DWR Water Quality Certification Rules (15A NCAC 2H .0500), Isolated Wetland Rules (15A NCAC 2H .1300), or DWR Surface Water or Wetland Standards or Riparian Buffer Rules (15A NCAC 2B .0200)? *

Yes No

3. Cumulative Impacts (DWR Requirement)

3a. Will this project (based on past and reasonably anticipated future impacts) result in additional development, which could impact nearby downstream water quality? *

Yes No

3b. If you answered "no," provide a short narrative description.

Implementation of the proposed Build Alternative would not contribute, in conjunction with past, present, or future projects, to substantial adverse cumulative effects on resources in the study areas.

4. Sewage Disposal (DWR Requirement)

4a. Is sewage disposal required by DWR for this project? *

Yes No N/A

5. Endangered Species and Designated Critical Habitat (Corps Requirement)

5a. Will this project occur in or near an area with federally protected species or habitat? *

Yes No

5b. Have you checked with the USFWS concerning Endangered Species Act impacts? *

Yes No

5c. If yes, indicate the USFWS Field Office you have contacted.

Raleigh

5d. Is another Federal agency involved? *

Yes No Unknown

5e. Is this a DOT project located within Division's 1-8? *

Yes No

5j. What data sources did you use to determine whether your site would impact Endangered Species or Designated Critical Habitat? *

USFWS IPaC review for protected species that could occur in the study area lists red-cockaded woodpecker, Saint Francis' satyr butterfly, American chaffseed, Michaux's sumac, rough-leaved loosestrife and American alligator. American alligator is listed due to similarity in appearance and does not require surveys. Habitat for American chaffseed does not exist in the study area. Surveys in suitable habitat for rough-leaved loosestrife and Michaux's sumac were updated on 9/26/2024, with no specimens observed. All plant species listed for the project have a biological conclusion of No Effect. Biological conclusions of "May Affect, Not Likely to Affect" were rendered for RCW and St. Francis' satyr butterfly. Concurrence has been requested from USFWS and is pending. The tricolored bat has been listed as "Proposed Endangered". This species is covered by a programmatic agreement if/when the species receives its updated status. No eagles or eagle nests were observed within 660 feet of the study area during surveys conducted on 9/26/2024.

6. Essential Fish Habitat (Corps Requirement)

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

Yes No

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

NMFS county index

7. Historic or Prehistoric Cultural Resources (Corps Requirement)

Link to the State Historic Preservation Office Historic Properties Map (does not include archaeological data: <http://gis.ncdcr.gov/hpweb/>)

7a. Will this project occur in or near an area that the state, federal or tribal governments have designated as having historic or cultural preservation status (e.g., National Historic Trust designation or properties significant in North Carolina history and archaeology)? *

Yes No

7b. What data sources did you use to determine whether your site would impact historic or archeological resources? *

NEPA documentation

8. Flood Zone Designation (Corps Requirement)

Link to the FEMA Floodplain Maps: <https://msc.fema.gov/portal/search>

8a. Will this project occur in a FEMA-designated 100-year floodplain? *

Yes No

8b. If yes, explain how project meets FEMA requirements:

NCDOT Hydraulics coordination with FEMA

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

FEMA maps

Miscellaneous



Comments

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

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

U-5753_attachments.pdf

25.75MB

File must be PDF or KMZ

Signature



*

By checking the box and signing below, I certify that:

- The project proponent hereby certifies that all information contained herein is true, accurate, and complete to the best of my knowledge and belief; and
- The project proponent hereby requests that the certifying authority review and take action on this CWA 401 certification request within the applicable reasonable period of time.
- I have given true, accurate, and complete information on this form;
- I agree that submission of this PCN form is a "transaction" subject to Chapter 66, Article 40 of the NC General Statutes (the "Uniform Electronic Transactions Act");
- I agree to conduct this transaction by electronic means pursuant to Chapter 66, Article 40 of the NC General Statutes (the "Uniform Electronic Transactions Act");
- I understand that an electronic signature has the same legal effect and can be enforced in the same way as a written signature; AND
- I intend to electronically sign and submit the PCN form.

Full Name: *

Jason Dilday

Signature *

Jason Dilday

Date

10/3/2024



NORTH CAROLINA
Environmental Quality

September 30, 2024

ROY COOPER
Governor
MARY PENNY KELLEY
Secretary
MARC RECKTENWALD
Director

Mr. Jamie Lancaster, P.E.
Environmental Analysis Unit
North Carolina Department of Transportation
1598 Mail Service Center
Raleigh, North Carolina 27699-1598

Dear Mr. Lancaster:

Subject: Mitigation Acceptance Letter:

TIP Project U-5753 – Widening of SR 1305 from US 401 to Plank Road and SR 1418 from US 401 to SR 1406 (Rockfish Road), Hoke County

Reference: USACE Action ID SAW-2021-01867

The purpose of this letter is to notify you that the North Carolina Division of Mitigation Services (NCDMS) will provide the mitigation for the subject project. Based on the information received from you on September 30, 2024, the impacts are located in CU 03030004 of the Cape Fear River basin in the Southern Inner Coastal Plain (SICP) Eco-Region, and are as follows:

Cape Fear 03030004	Stream			Wetlands			Buffer (Sq. Ft.)	
	Cold	Cool	Warm	Riparian	Non-Riparian	Coastal Marsh	Zone 1	Zone 2
Impacts (feet/acres)	0	0	152.000	0.360	0	0	0	0

NCDMS commits to implementing sufficient mitigation credits to offset the impacts associated with this project as determined by the regulatory agencies in accordance with the In-Lieu Fee Instrument dated July 28, 2010. If the above referenced impact amounts are revised, then this mitigation acceptance letter will no longer be valid and a new mitigation acceptance letter will be required from NCDEQ – DMS.

If you have any questions or need additional information, please contact Ms. Beth Harmon at 919-707-8420.

Sincerely,

Elizabeth A. Harmon
DMS NCDOT ILF Coordinator

cc: Mr. Scott Jones, USACE
Ms. Kristie Carpenter, NCDWR
Mr. Brad Chilton, NCDOT – EAU
File: U-5753



North Carolina Department of Environmental Quality | Division of Mitigation Services
217 West Jones Street | 1652 Mail Service Center | Raleigh, North Carolina 27699-1652
919.707.8976



NORTH CAROLINA
Environmental Quality

September 30, 2024

ROY COOPER
Governor
MARY PENNY KELLEY
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MARC RECKTENWALD
Director

Mr. Jamie Lancaster, P.E.
Environmental Analysis Unit
North Carolina Department of Transportation
1598 Mail Service Center
Raleigh, North Carolina 27699-1598

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Sincerely,

Elizabeth A. Harmon
DMS NCDOT ILF Coordinator

cc: Mr. Scott Jones, USACE
Ms. Kristie Carpenter, NCDWR
Mr. Brad Chilton, NCDOT – EAU
File: U-5753



North Carolina Department of Environmental Quality | Division of Mitigation Services
217 West Jones Street | 1652 Mail Service Center | Raleigh, North Carolina 27699-1652
919.707.8976



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



(Version 3.00; Released August 2021)

WBS Element: 51078.1.1 **TIP/Proj No:** U-5753 **County(ies):** Hoke **Page** 1 **of** 2

General Project Information

WBS Element:	51078.1.1	TIP Number:	U-5753	Project Type:	Roadway Widening	Date:	11/2/2022
NCDOT Contact:	Allison White		Contractor / Designer:	Andrea Hayden			
Address:			Address:	Dewberry 9300 Harris Corner Parkway Suite 220 Charlotte NC 28269			
Phone:	919-707-6341		Phone:	704-672-5264			
Email:	akwhite@ncdot.gov		Email:	ahayden@dewberry.com			
City/Town:	Fayetteville		County(ies):	Hoke			
River Basin(s):	Cape Fear		CAMA County?	No			
Wetlands within Project Limits?	No						

Project Description

Project Length (lin. miles or feet):	4.45 Miles	Surrounding Land Use:	Based off of future Hoke County Zoning Maps which consist of mosly residential and some industrial				
	Proposed Project		Existing Site				
Project Built-Up Area (ac.)	39.51	ac.	21.83	ac.			
Typical Cross Section Description:	Lindsay Road typical has 12-ft lanes with minor widening throughout and a concrete median varying from 0 to 22-ft in width. The roadway slope will match existing and will have an 8-ft shoulder consisting of 4-ft paved, matching roadway grade, and 4-ft grassed at 8%. Lindsay Road widens to four lanes at the intersection with Adcox Road. Wayside Road typical has 12-ft lanes throughout with travel lanes varying from two to four lanes. There will be a concrete median varying from 0 to 23-ft in width. The roadway will be normal crowned and will have an 8-ft shoulder consisting of 4-ft paved, matching roadway grade, and 4-ft grassed at 8%. The roundabout typical at intersection of Lindsay Rd and Galatia Church Rd will have 18-ft travel lanes, 11-ft truck apron, 46-ft radius concrete center island, and 12-ft shoulders.		Rural section with 11-ft travel lanes and a varing grass shoulder throughout.				

Annual Avg Daily Traffic (veh/hr/day):	Design/Future:	19,400	Year:	2044	Existing:	16,200	Year:	2024
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General Project Narrative:
(Description of Minimization of Water Quality Impacts)

Project U-5753, located in west Fayetteville, begins improvements at the intersection of Lindsay and Little Rock Dr. Improvements continue Northbound for 4.45 miles to the intersection of Wayside Rd and Plank Rd. Improvements in this area will include widening, roundabout at intersection of Lindsay and Galatia, and realignment of Lindsay Rd onto Wayside Rd. Stormwater will be conveyed to roadside ditches maintaining existing drainage patterns. In fill sections, stormwater will flow across vegetated shoulders and down vegetated fill slopes, prior to leaving the R/W. In cut sections, stormwater will flow across vegetated shoulders and into vegetated ditches. In the ditches rip rap will be utilized to slow velocities and prevent erosion. There is no direct stormwater discharges into jurisdictional areas included with the proposed design.



North Carolina Department of Transportation

Highway Stormwater Program
STORMWATER MANAGEMENT PLAN
 FOR NCDOT PROJECTS



(Version 3.00; Released August 2021)

WBS Element: 51078.1.1 TIP/Proj No.: U-5753 County(ies): Hoke Page 2 of 2

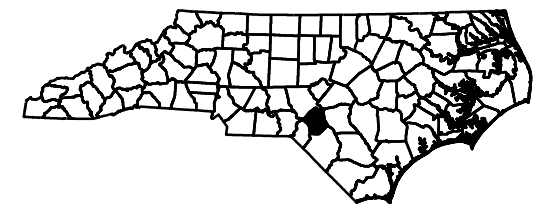
General Project Information

Waterbody Information

Surface Water Body (1):	Stewarts Creek		NCDWR Stream Index No.:	18-31-21	
NCDWR Surface Water Classification for Water Body	Primary Classification:		Class C		
	Supplemental Classification:				
Other Stream Classification:					
Impairments:	mercury (Hg)				
Aquatic T&E Species?	No	Comments:			
NRTR Stream ID:	18-31-21		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?
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 (2):			NCDWR Stream Index No.:		
NCDWR Surface Water Classification for Water Body	Primary Classification:		Class C		
	Supplemental Classification:				
Other Stream Classification:					
Impairments:					
Aquatic T&E Species?		Comments:			
NRTR Stream ID:			Buffer Rules in Effect:		
Project Includes Bridge Spanning Water Body?		Deck Drains Discharge Over Buffer?			Dissipator Pads Provided in Buffer?
Deck Drains Discharge Over Water Body?		(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):			NCDWR Stream Index No.:		
NCDWR Surface Water Classification for Water Body	Primary Classification:				
	Supplemental Classification:				
Other Stream Classification:					
Impairments:					
Aquatic T&E Species?		Comments:			
NRTR Stream ID:			Buffer Rules in Effect:		
Project Includes Bridge Spanning Water Body?		Deck Drains Discharge Over Buffer?			Dissipator Pads Provided in Buffer?
Deck Drains Discharge Over Water Body?		(If yes, provide justification in the General Project Narrative)		(If yes, describe in the General Project Narrative; if no, justify in the General Project Narrative)	
(If yes, provide justification in the General Project Narrative)					

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-5753	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
51078.1.1		P.E.	
51078.2.1		R.W.	
51078.2.2		UTILS.	
51078.3.1		CONST.	

PERMIT DRAWING
SHEET 1 OF 20



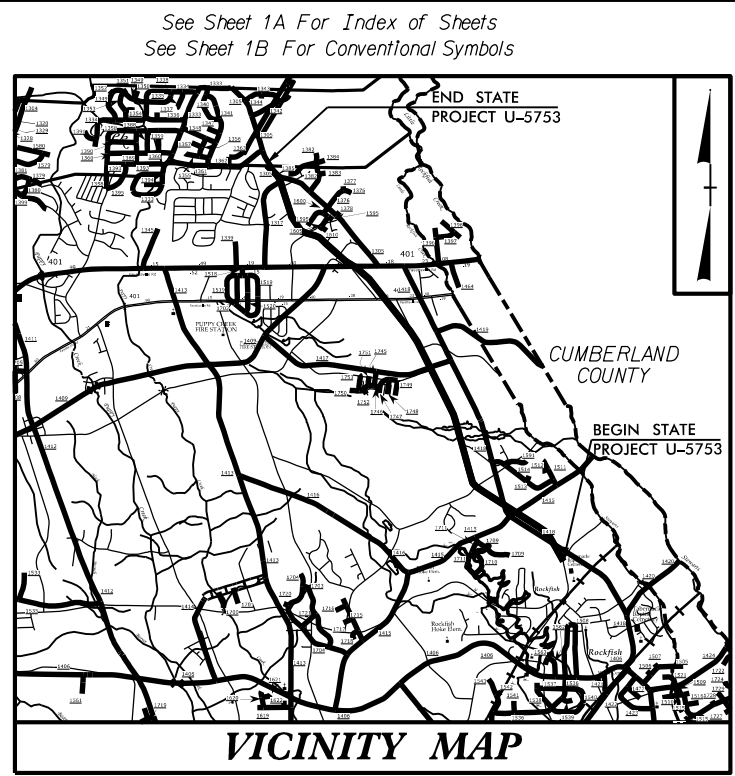
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

HOKE COUNTY

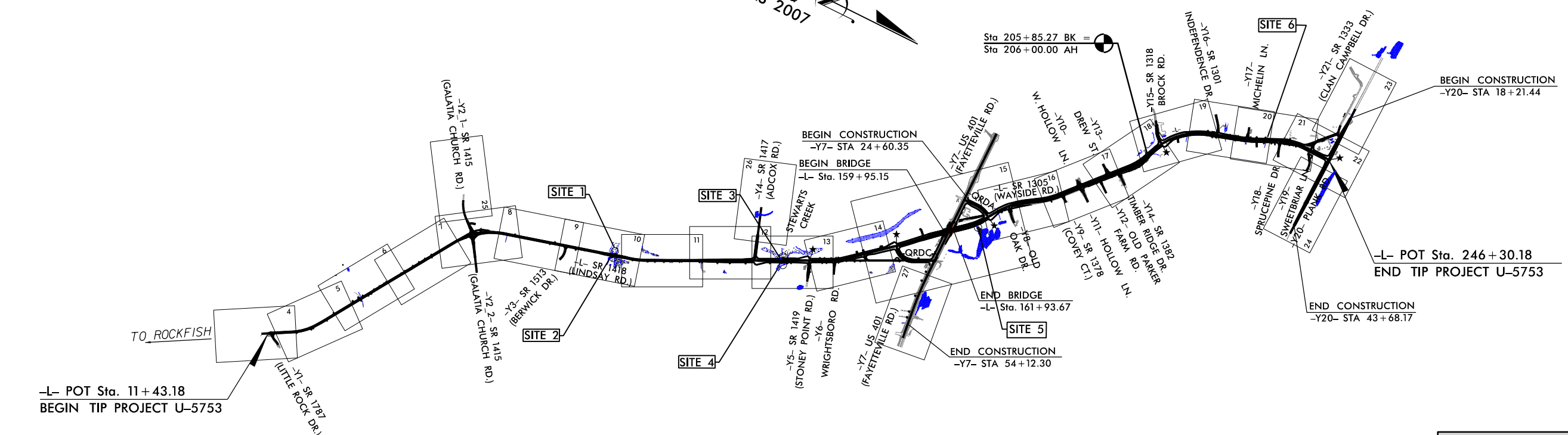
LOCATION: SR 1418 (LINDSAY ROAD) FROM SR 1787 (LITTLE ROCK DRIVE) TO US 401 AND SR 1305 (WAYSIDE ROAD) FROM US 401 TO PLANK ROAD

TYPE OF WORK: GRADING, DRAINAGE, PAVING, RETAINING WALLS, STRUCTURES, AND SIGNALS

WETLAND AND SURFACE WATER IMPACTS PERMIT



TIP PROJECT: U-5753

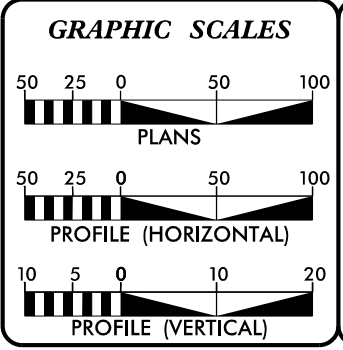


THIS PROJECT HAS FULL CONTROL OF ACCESS ONLY AT INTERCHANGE AND U-TURN BULB LOCATIONS
THIS PROJECT IS NOT WITHIN ANY MUNICIPAL CITY LIMITS
CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD III.

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

★ PROPOSED SIGNAL

CONTRACT:



DESIGN DATA

ADT 2024 =	16,200
ADT 2044 =	19,400
K =	10 %
D =	80 %
T =	3 % *
V =	50 MPH
* (TTST = 1% + DUAL 2%)	
FUNC CLASS =	
URBAN COLLECTOR	
REGIONAL TIER	

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT U-5753 =	4.408 MILES
LENGTH STRUCTURE TIP PROJECT U-5753 =	0.038 MILES
TOTAL LENGTH TIP PROJECT U-5753 =	4.446 MILES

NCDOT CONTACT: ALLISON WHITE

Prepared in the Office of:

Dewberry

FOR
DIVISION OF HIGHWAYS

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE: **JUNE 17, 2022**

LETTING DATE: **JUNE 18, 2024**

BRYAN LAMBETH, P.E.
PROJECT ENGINEER

BENJAMIN STORMER, P.E.
PROJECT DESIGN ENGINEER

HYDRAULICS ENGINEER

SIGNATURE: _____ P.E.

ROADWAY DESIGN ENGINEER

SIGNATURE: _____ P.E.

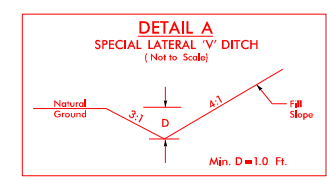


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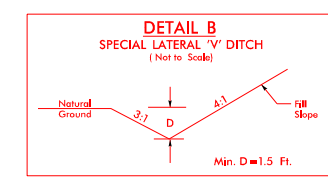
INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

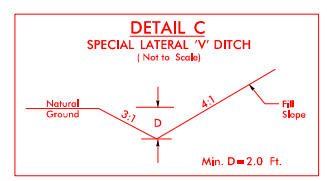
PERMIT DRAWING
SHEET 2 OF 20



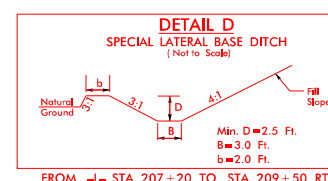
FROM -L- STA. 54+00 TO STA. 57+00 LT
FROM -L- STA. 67+04 TO STA. 68+50 RT
FROM -L- STA. 102+50 TO STA. 103+00 LT
FROM -L- STA. 230+50 TO STA. 232+18 RT



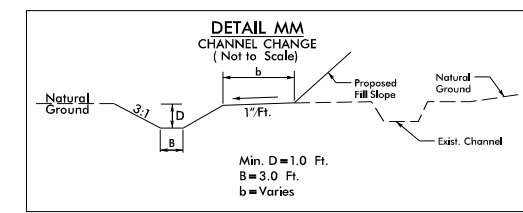
FROM -L- STA. 66+00 TO STA. 67+04 RT
FROM -L- STA. 98+02 TO STA. 91+00 LT
FROM -L- STA. 98+50 TO STA. 101+50 RT
FROM -L- STA. 170+40 TO STA. 172+00 LT
FROM -L- STA. 232+25 TO STA. 234+70 RT
FROM -L- STA. 234+50 TO STA. 240+00 LT



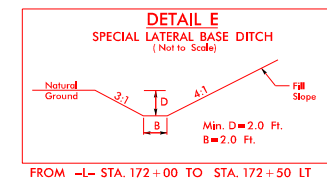
FROM -L- STA. 64+50 TO STA. 69+00 LT
FROM -L- STA. 163+20 TO STA. 168+50 LT
FROM -L- STA. 197+48 TO STA. 198+15 RT
FROM -L- STA. 199+50 TO STA. 200+50 RT
FROM -L- STA. 222+50 TO STA. 224+50 RT



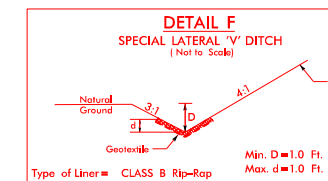
FROM -L- STA. 207+20 TO STA. 209+50 RT



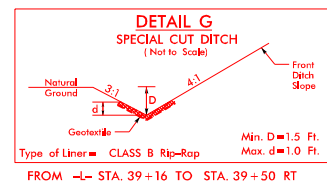
FROM -L- STA. 125+90 TO STA. 126+05 RT



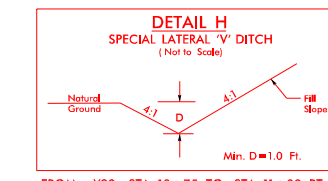
FROM -L- STA. 172+00 TO STA. 172+50 LT



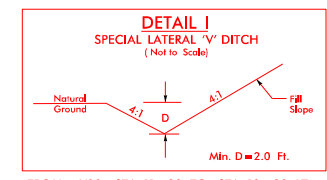
FROM -L- STA. 88+50 TO STA. 89+25 LT



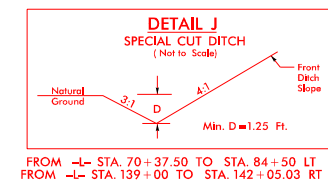
FROM -L- STA. 39+16 TO STA. 39+50 RT
FROM -L- STA. 223+50 TO STA. 224+50 LT
FROM -Y1- STA. 12+50 TO STA. 13+50 RT



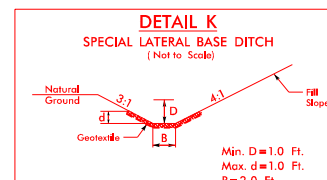
FROM -Y22- STA. 10+75 TO STA. 11+00 RT



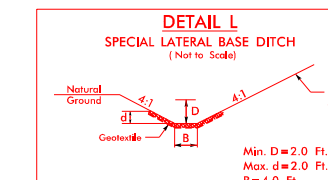
FROM -Y22- STA. 11+00 TO STA. 18+00 LT



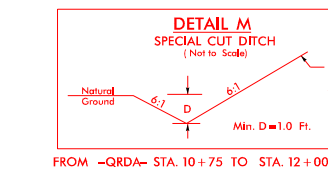
FROM -L- STA. 70+37.50 TO STA. 84+50 LT
FROM -L- STA. 139+00 TO STA. 142+05.03 RT
FROM -L- STA. 147+50 TO STA. 152+00 LT
FROM -L- STA. 224+50 TO STA. 227+00 RT



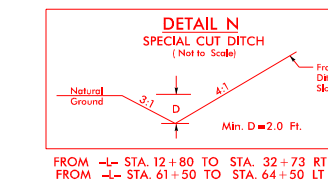
FROM -L- STA. 123+00 TO STA. 124+65 RT
FROM -L- STA. 175+20 TO STA. 176+50 RT



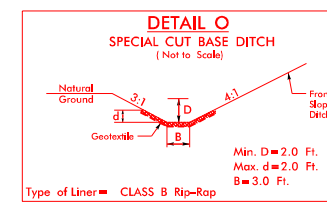
FROM -Y7- STA. 26+20 TO STA. 26+50 LT



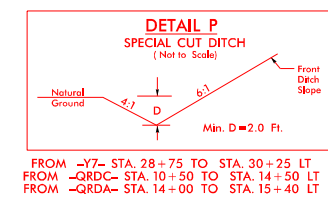
FROM -QRDA- STA. 10+75 TO STA. 12+00 RT



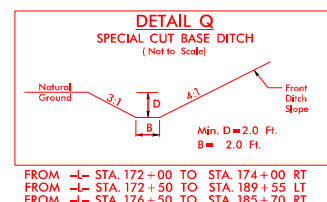
FROM -L- STA. 12+80 TO STA. 32+73 RT
FROM -L- STA. 61+50 TO STA. 64+50 LT
FROM -L- STA. 80+12 TO STA. 81+56 RT
FROM -L- STA. 87+50 TO STA. 88+00 RT
FROM -L- STA. 103+00 TO STA. 108+15 LT
FROM -L- STA. 121+70 TO STA. 123+00 RT
FROM -L- STA. 131+30 TO STA. 132+00 RT
FROM -L- STA. 134+00 TO STA. 135+57 RT
FROM -L- STA. 190+80 TO STA. 191+50 LT
FROM -L- STA. 191+00 TO STA. 194+20 RT
FROM -L- STA. 195+10 TO STA. 195+50 RT
FROM -L- STA. 204+50 TO STA. 207+00 LT
FROM -L- STA. 215+75 TO STA. 221+50 LT
FROM -L- STA. 216+00 TO STA. 217+00 RT
FROM -L- STA. 222+00 TO STA. 222+50 RT
FROM -L- STA. 222+50 TO STA. 223+50 LT
FROM -L- STA. 228+91 TO STA. 232+60 LT
FROM -L- STA. 232+60 TO STA. 234+50 LT
FROM -L- STA. 238+00 TO STA. 240+00 RT
FROM -L- STA. 240+50 TO STA. 243+50 RT
FROM -L- STA. 244+50 TO STA. 245+60 RT
FROM -Y5- STA. 10+60 TO STA. 11+00 LT
FROM -Y5- STA. 10+70 TO STA. 11+00 RT
FROM -Y15- STA. 12+50 TO STA. 13+50 RT
FROM -Y21- STA. 19+25 TO STA. 20+15 LT



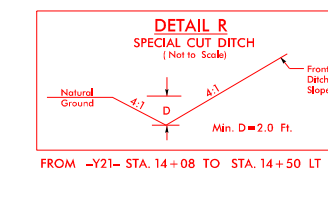
FROM -L- STA. 207+00 TO STA. 209+34 LT



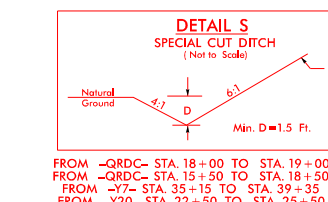
FROM -Y7- STA. 28+75 TO STA. 30+25 LT
FROM -QRDC- STA. 10+50 TO STA. 14+50 LT
FROM -QRDA- STA. 14+00 TO STA. 15+40 LT



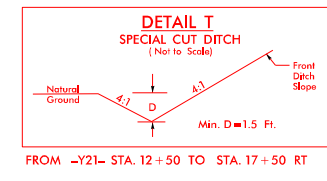
FROM -L- STA. 172+00 TO STA. 174+00 RT
FROM -L- STA. 172+50 TO STA. 189+55 LT
FROM -L- STA. 176+50 TO STA. 185+70 RT
FROM -L- STA. 186+60 TO STA. 189+70 RT



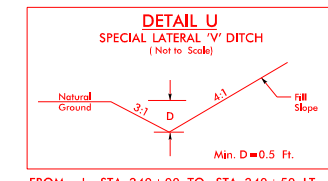
FROM -Y21- STA. 14+08 TO STA. 14+50 LT



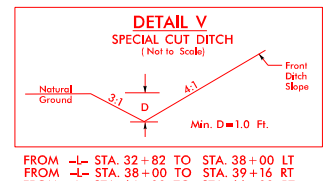
FROM -QRDC- STA. 18+00 TO STA. 19+00 LT
FROM -QRDC- STA. 15+50 TO STA. 18+50 RT
FROM -Y7- STA. 35+15 TO STA. 39+35 RT
FROM -Y20- STA. 22+50 TO STA. 25+50 LT



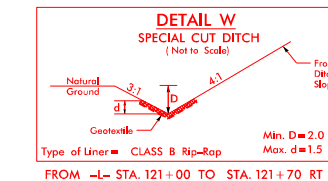
FROM -Y21- STA. 12+50 TO STA. 17+50 RT



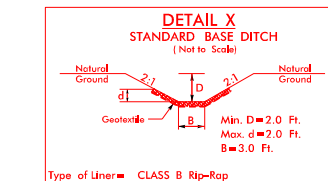
FROM -L- STA. 240+00 TO STA. 240+50 LT



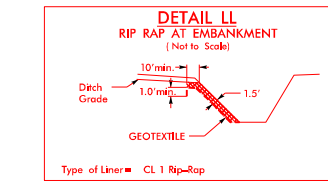
FROM -L- STA. 32+82 TO STA. 38+00 LT
FROM -L- STA. 32+73 TO STA. 38+00 RT
FROM -L- STA. 38+00 TO STA. 39+16 RT
FROM -L- STA. 64+00 TO STA. 66+00 RT
FROM -L- STA. 108+15 TO STA. 115+21.77 RT
FROM -L- STA. 132+00 TO STA. 137+50 LT
FROM -Y17- STA. 11+35 TO STA. 12+08 RT
FROM -Y17- STA. 11+35 TO STA. 12+08 LT



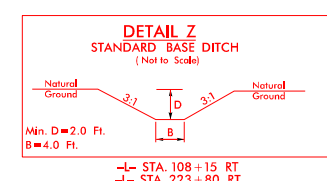
FROM -L- STA. 121+00 TO STA. 121+70 RT
FROM -L- STA. 243+50 TO STA. 244+50 RT



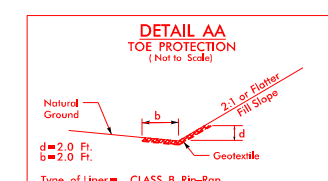
-L- STA. 32+85 LT



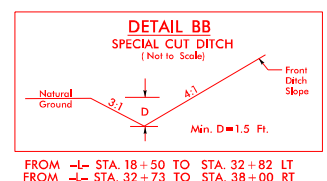
FROM -Y20- STA. 23+43 TO STA. 23+55 RT
FROM -L- STA. 209+75 TO STA. 210+01 RT



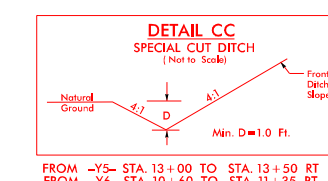
-L- STA. 108+15 RT
-L- STA. 223+80 RT
-Y7- STA. 26+50 RT



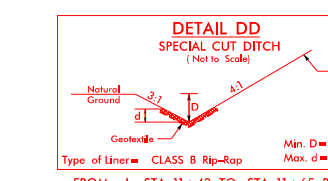
FROM -L- STA. 88+80 TO STA. 89+09 RT
FROM -L- STA. 89+25 TO STA. 89+73 LT
FROM -L- STA. 123+80 TO STA. 125+75 LT
FROM -L- STA. 165+88 TO STA. 167+02 RT



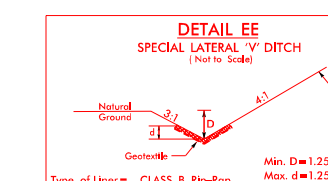
FROM -L- STA. 18+50 TO STA. 32+82 LT
FROM -L- STA. 32+73 TO STA. 38+00 RT
FROM -L- STA. 39+16 TO STA. 43+00 LT
FROM -L- STA. 45+00 TO STA. 48+50 LT
FROM -L- STA. 49+50 TO STA. 54+00 LT
FROM -L- STA. 70+50 TO STA. 78+95 RT
FROM -L- STA. 91+00 TO STA. 92+50 LT
FROM -L- STA. 97+50 TO STA. 98+50 RT
FROM -L- STA. 101+50 TO STA. 108+15 RT
FROM -L- STA. 108+15 TO STA. 111+00 LT
FROM -L- STA. 136+50 TO STA. 138+00 RT
FROM -L- STA. 200+50 TO STA. 203+50 RT
FROM -L- STA. 226+50 TO STA. 227+50 LT
FROM -L- STA. 244+50 TO STA. 245+65 LT
FROM -Y20- STA. 22+83 TO STA. 27+27 RT



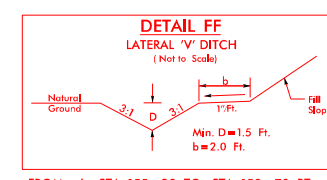
FROM -Y5- STA. 13+00 TO STA. 13+50 RT
FROM -Y6- STA. 10+60 TO STA. 11+35 RT
FROM -Y6- STA. 10+55 TO STA. 11+35 LT



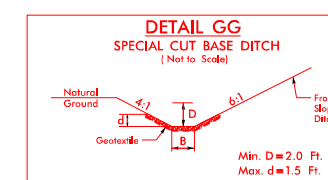
FROM -L- STA. 11+43 TO STA. 11+65 RT



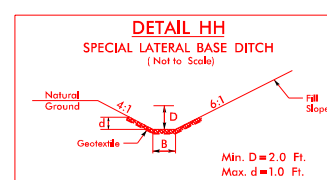
FROM -L- STA. 88+00 TO STA. 88+80 RT



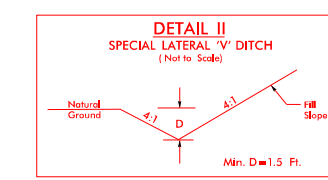
FROM -L- STA. 155+20 TO STA. 158+70 RT



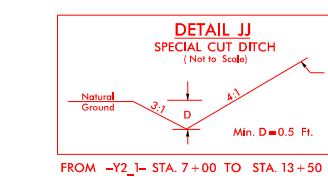
FROM -Y20- STA. 28+69 TO STA. 36+50 RT



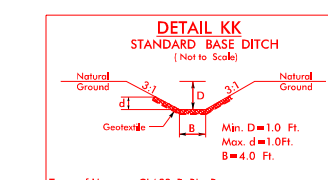
FROM -Y20- STA. 36+50 TO STA. 37+80 RT



FROM -Y21- STA. 17+50 TO STA. 18+78 RT



FROM -Y21- STA. 7+00 TO STA. 13+50 LT



-Y22- STA. 16+85 RT
-L- STA. 161+58 RT

REVISIONS

01/16/23: REVISE DITCH X (ASH)

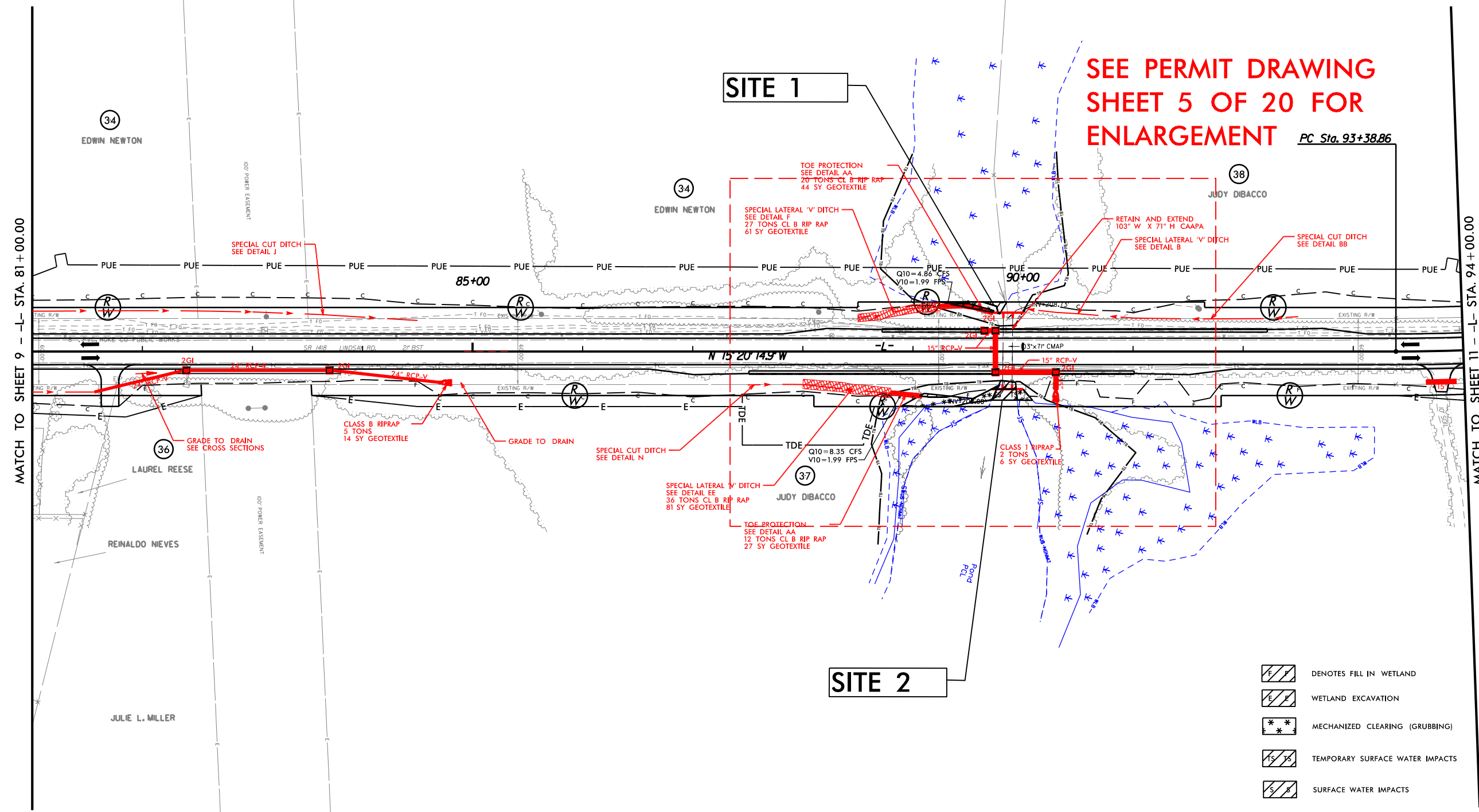
B/17/99

15-MAY-2023 14:25:57 U-5753_Hyd_2D-1.dgn

PROJECT REFERENCE NO. U-5753	SHEET NO. 10
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



SEE PERMIT DRAWING SHEET 5 OF 20 FOR ENLARGEMENT
 PC Sta. 93+38.86



- DENOTES FILL IN WETLAND
- WETLAND EXCAVATION
- MECHANIZED CLEARING (GRUBBING)
- TEMPORARY SURFACE WATER IMPACTS
- SURFACE WATER IMPACTS

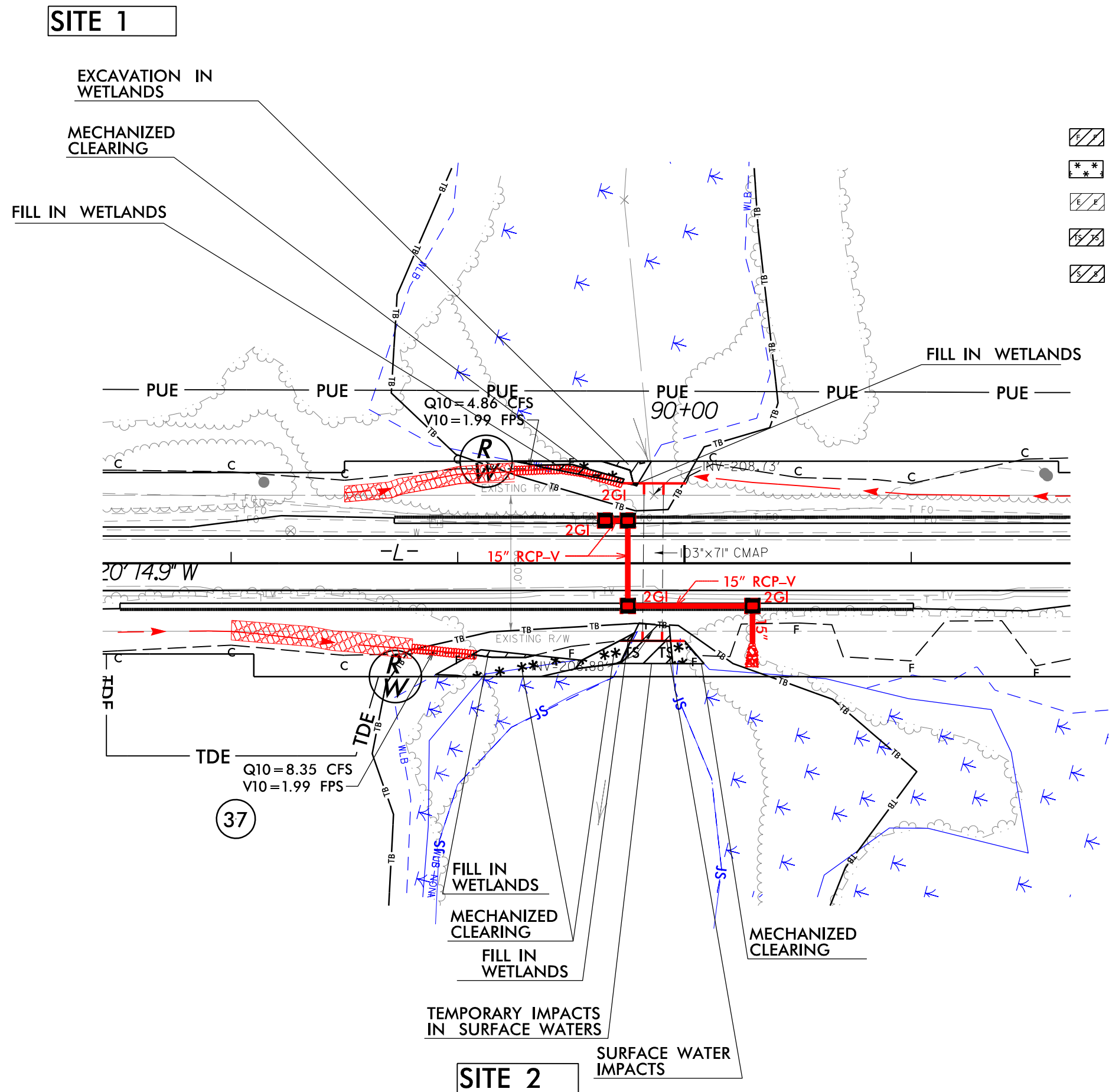
PROF PAVED SHOULDER

SEE SHEET 34 FOR -L- PROFILE
 SEE SHEET 2D-1 FOR DITCH DETAILS

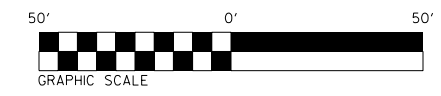
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PROJECT REFERENCE NO. U-5753	SHEET NO. 10
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

PERMIT DRAWING
SHEET 5 OF 20



- DENOTES FILL IN WETLAND
- MECHANIZED CLEARING (GRUBBING)
- WETLAND EXCAVATION
- TEMPORARY SURFACE WATER IMPACTS
- SURFACE WATER IMPACTS



REVISIONS
 ROW REV. -- OCTOBER 19, 2022 -- PARCEL 37 -- Revised ROW and TCE in vicinity of power easement (BAS)

B.17/99
 15-NOV-2023 11:21
 N:\PERMITS\15-NOV-2023 11:21\Drawings\U5753_hyd.prm_wet.dgn
 SH10-3.dgn

5/14/99

SITE 1/2

PERMIT DRAWING
SHEET 6 OF 20

PROJECT REFERENCE NO. U-5753	SHEET NO.
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

100 50 CL 50 100

220

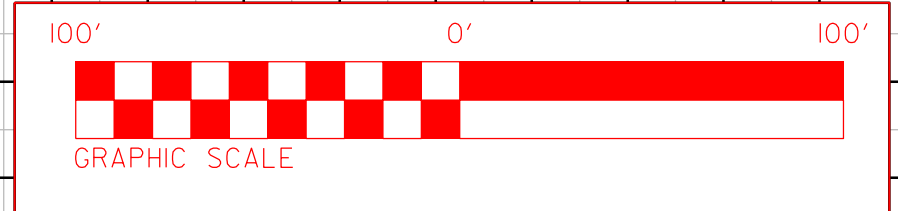
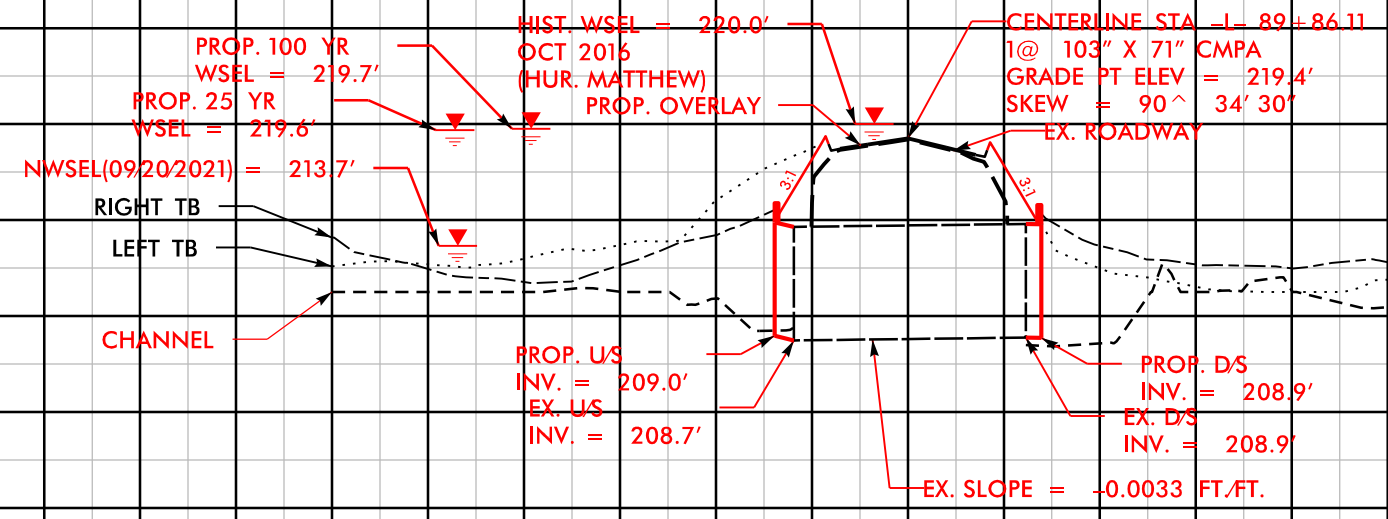
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210

210

200

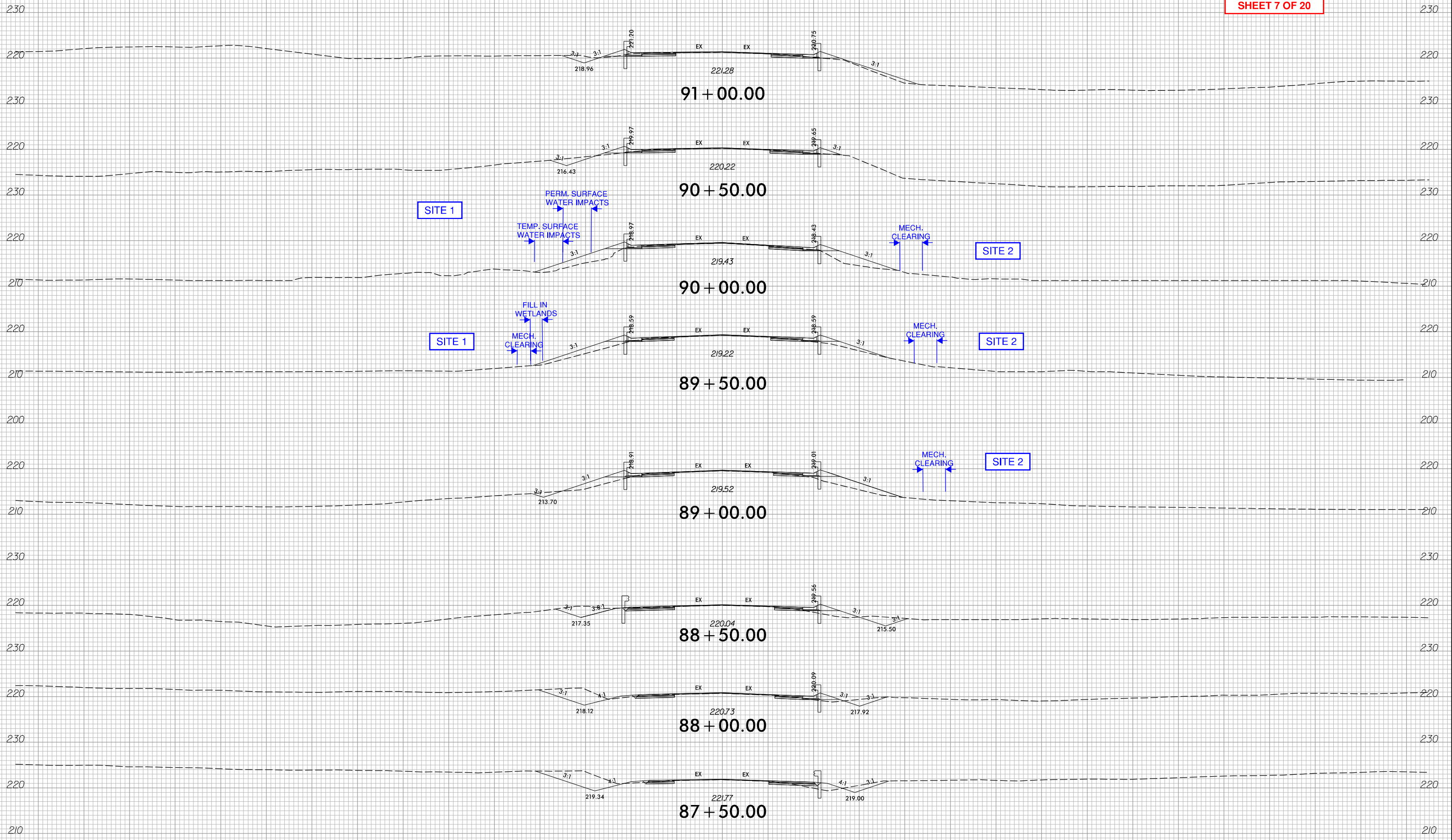
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PERMIT DRAWING SHEET 7 OF 20



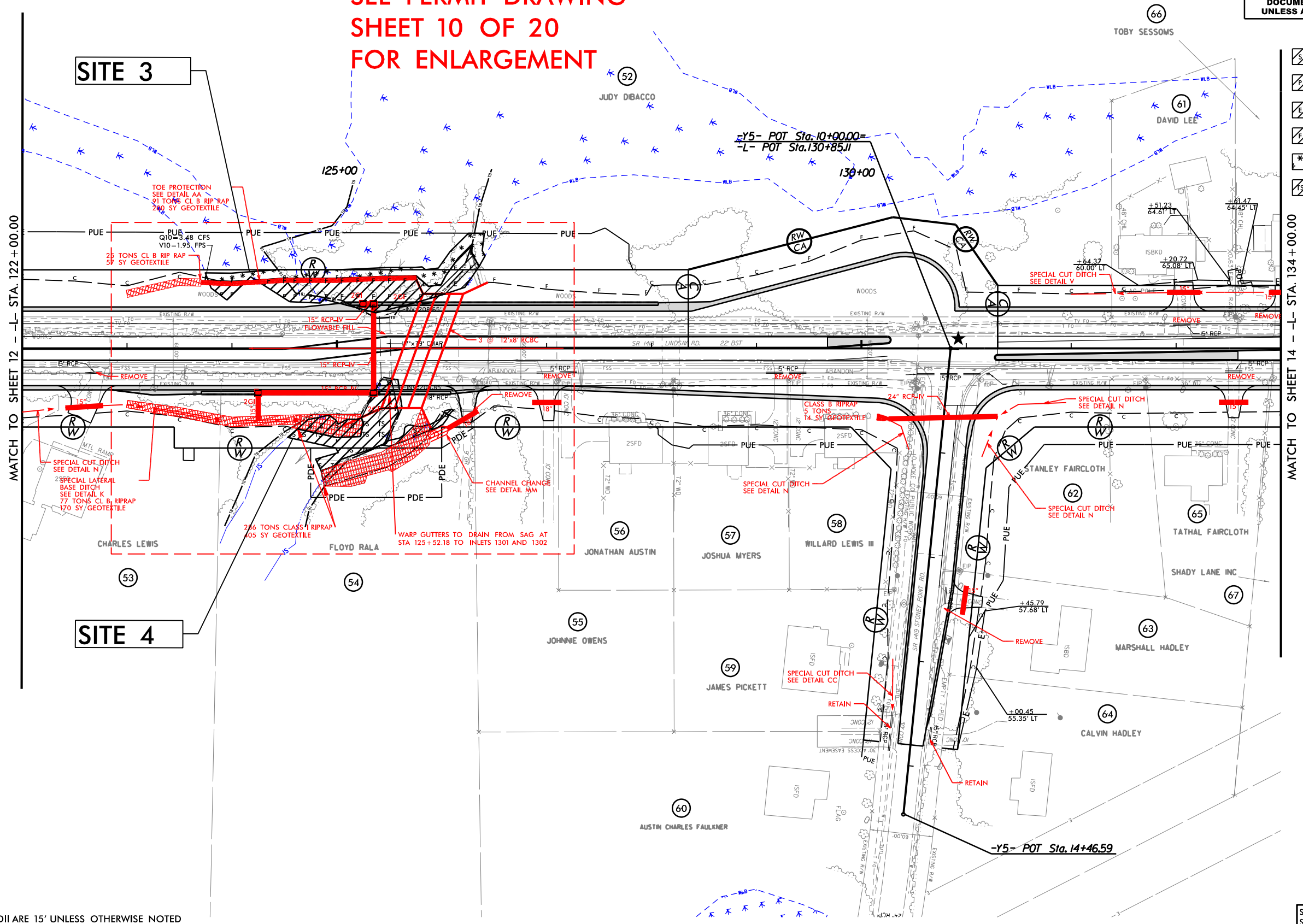
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INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



SEE PERMIT DRAWING
SHEET 10 OF 20
FOR ENLARGEMENT



- SURFACE WATER IMPACTS
- SURFACE WATER IMPACTS POND
- WETLAND EXCAVATION
- DENOTES FILL IN WETLAND
- DENOTES MECHANIZED CLEARING
- TEMPORARY SURFACE WATER IMPACTS

MATCH TO SHEET 12 --L-- STA. 122+00.00

MATCH TO SHEET 14 --L-- STA. 134+00.00

REVISIONS
ROW REV -- OCTOBER 19, 2022 -- PARCEL 54 -- Added PDE to accommodate revised hydro design (BAS)

NOTE: ALL DRIVEWAY RADII ARE 15' UNLESS OTHERWISE NOTED

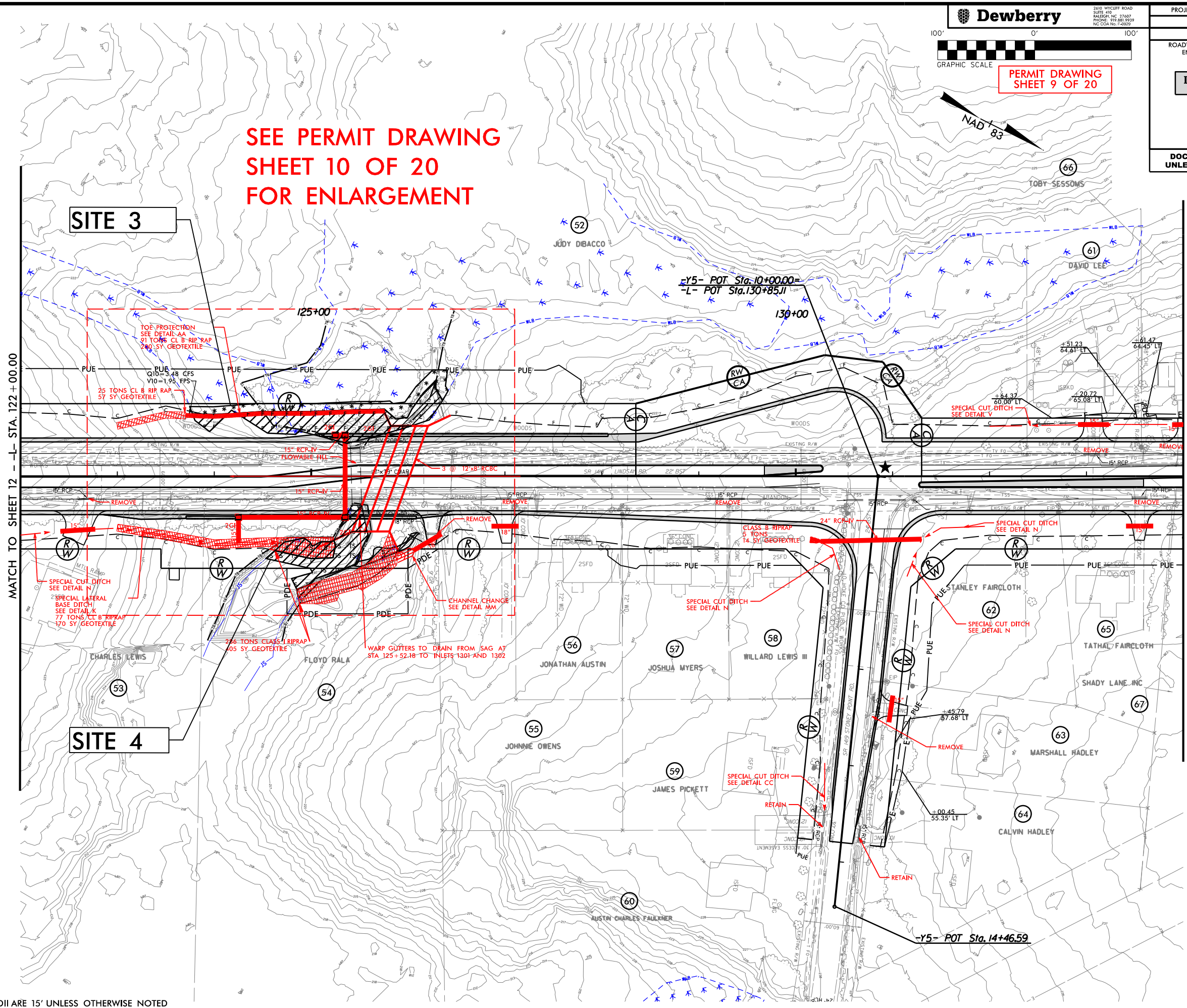
- PROPOSED SIGNAL
- PROP PAVED SHOULDER
- SEE SHEET 37 FOR --L-- PROFILE
- SEE SHEET 49 FOR --Y5-- PROFILE
- SEE SHEET 2D-1 FOR DITCH DETAILS

8/17/99
C:\Users\jg3\OneDrive\Documents\Projects\5753\5753-1.dgn
08-NOV-2023 12:03 PERMITS-Environmental\Drawings\U5753_hyd_prm_wet_PSH13-1.dgn



PERMIT DRAWING
 SHEET 9 OF 20

**SEE PERMIT DRAWING
 SHEET 10 OF 20
 FOR ENLARGEMENT**



- SURFACE WATER IMPACTS
- WETLAND EXCAVATION
- DENOTES FILL IN WETLAND
- DENOTES MECHANIZED CLEARING
- TEMPORARY SURFACE WATER IMPACTS

MATCH TO SHEET 12 -- L- STA. 122 + 00.00

MATCH TO SHEET 14 -- L- STA. 134 + 00.00

REVISIONS
 ROW REV -- OCTOBER 19, 2022 -- PARCEL 54 -- Added PDE to accommodate revised hydro design (BAS)

06-NOV-2023 12:03 PM 5753\5753\PERMITS\Environmental\Drawings\U5753_hyd.prm_wet.PSH13-2.dgn

NOTE: ALL DRIVEWAY RADII ARE 15' UNLESS OTHERWISE NOTED

- PROPOSED SIGNAL
- PROP PAVED SHOULDER
- SEE SHEET 37 FOR --L- PROFILE
 SEE SHEET 49 FOR --Y5- PROFILE
 SEE SHEET 2D-1 FOR DITCH DETAILS

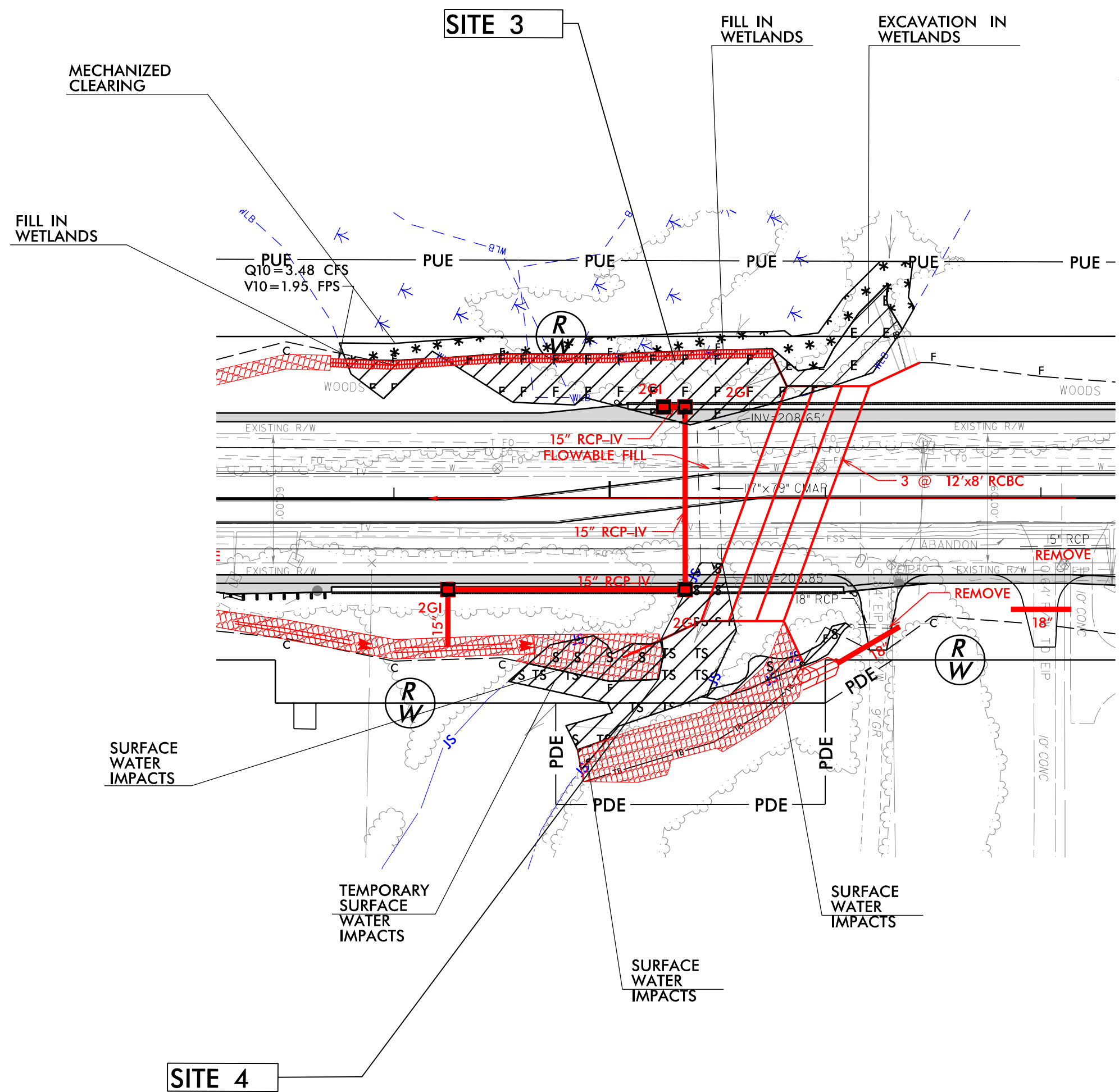
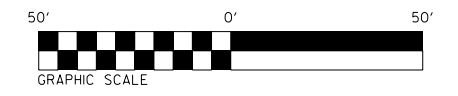
INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

PERMIT DRAWING
SHEET 10 OF 20



- SURFACE WATER IMPACTS
- WETLAND EXCAVATION
- DENOTES FILL IN WETLAND
- DENOTES MECHANIZED CLEARING
- TEMPORARY SURFACE WATER IMPACTS



REVISIONS
 ROW REV - OCTOBER 19, 2022 - PARCEL 54 - Added PDE to accommodate revised hydro design (BAS)

08-NOV-2023 12:03
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SEE SHEET 37 FOR -L- PROFILE
 SEE SHEET 49 FOR -Y5- PROFILE
 SEE SHEET 2D-1 FOR DITCH DETAILS

5/14/99
RS: NOV-2023 10:01 AM
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\$\$\$\$\$PERMITS\$\$\$\$\$

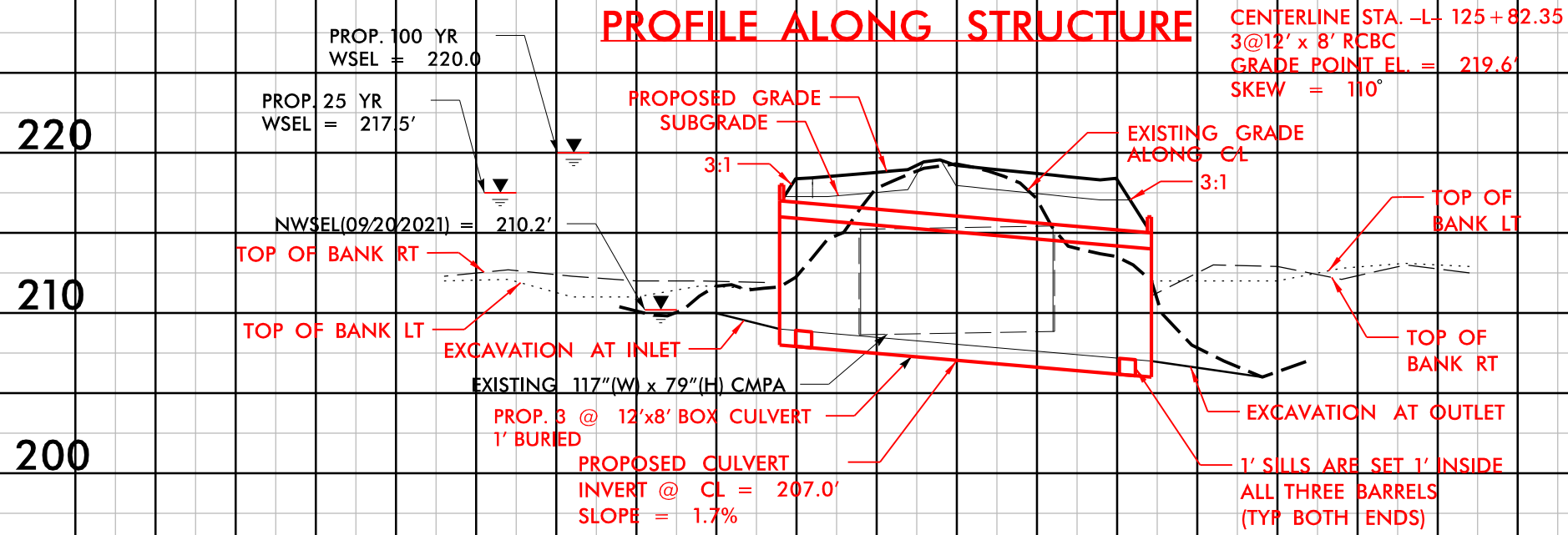
SITE 3/4

PERMIT DRAWING
SHEET 11 OF 20

PROJECT REFERENCE NO. U-5753	SHEET NO.
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

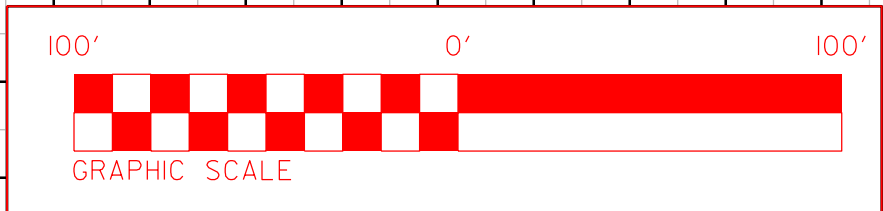
100 50 CL 50 100

PROFILE ALONG STRUCTURE



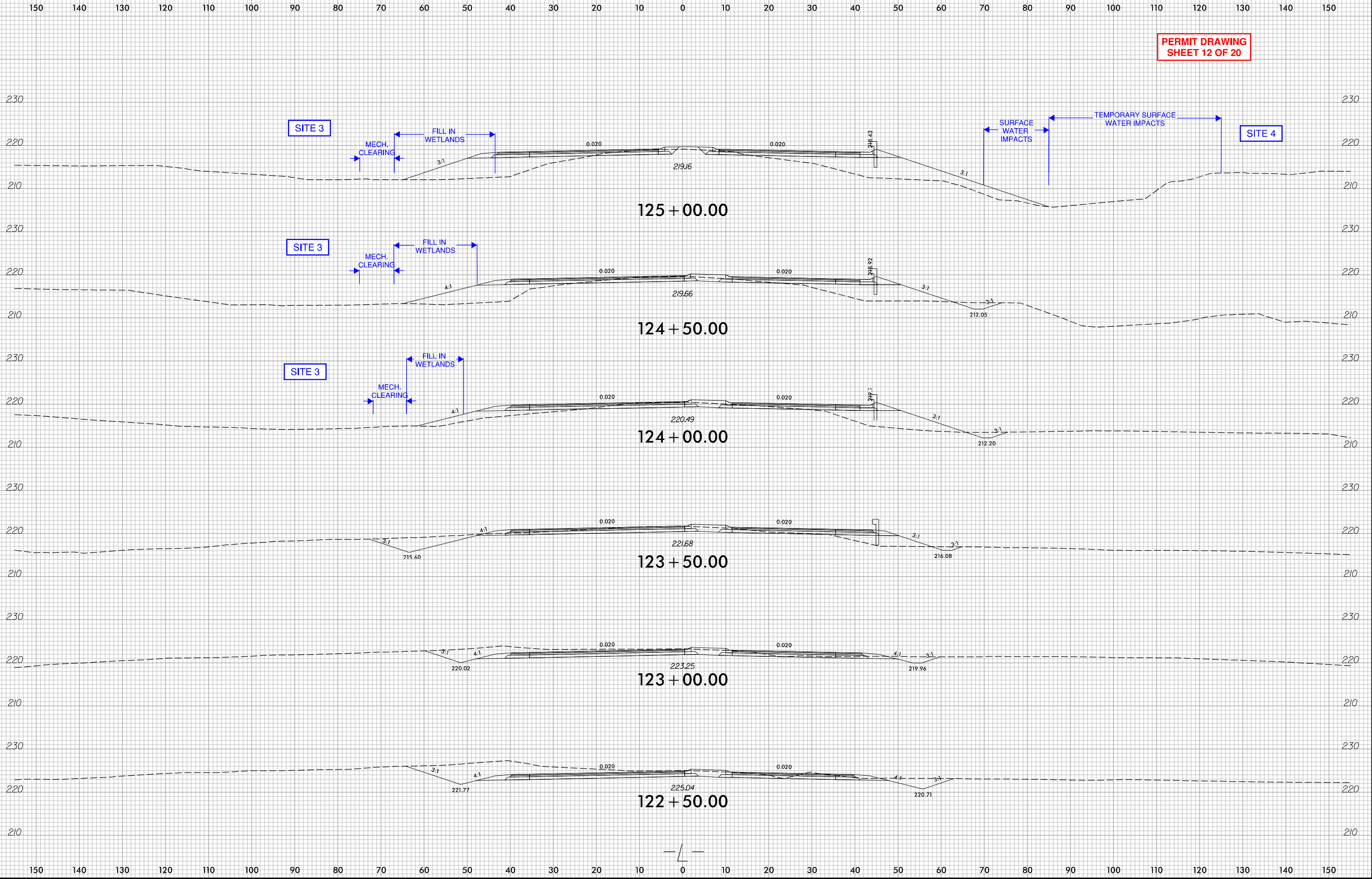
CENTERLINE STA. -L- 125+82.35
3@12' x 8' RCBC
GRADE POINT EL. = 219.6'
SKEW = 110°

NOTE:
BACKFILL WITH NATIVE MATERIAL. NATIVE MATERIAL CONSISTS OF MATERIAL THAT IS EXCAVATED FROM THE STREAM BED OR FLOODPLAIN AT THE PROJECT SITE DURING CULVERT CONSTRUCTION. ONLY MATERIAL THAT IS EXCAVATED FROM THE STREAM BED MAY BE USED TO LINE THE LOW FLOW CULVERT BARREL. RIP RAP MAY BE USED TO SUPPLEMENT THE NATIVE MATERIAL IN THE HIGH FLOW CULVERT BARRELS. IF USING RIP RAP TO LINE THE HIGH FLOW CULVERT BARRELS, PLACE NATIVE MATERIAL ON TOP TO FILL VOIDS AND PROVIDE A FLAT SURFACE FOR ANIMAL PASSAGE. NATIVE MATERIAL IS SUBJECT TO APPROVAL BY THE ENGINEER AND MAY BE SUBJECT TO PERMIT CONDITIONS.



6/23/16

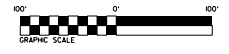
PERMIT DRAWING
SHEET 12 OF 20



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USER: andyden

R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



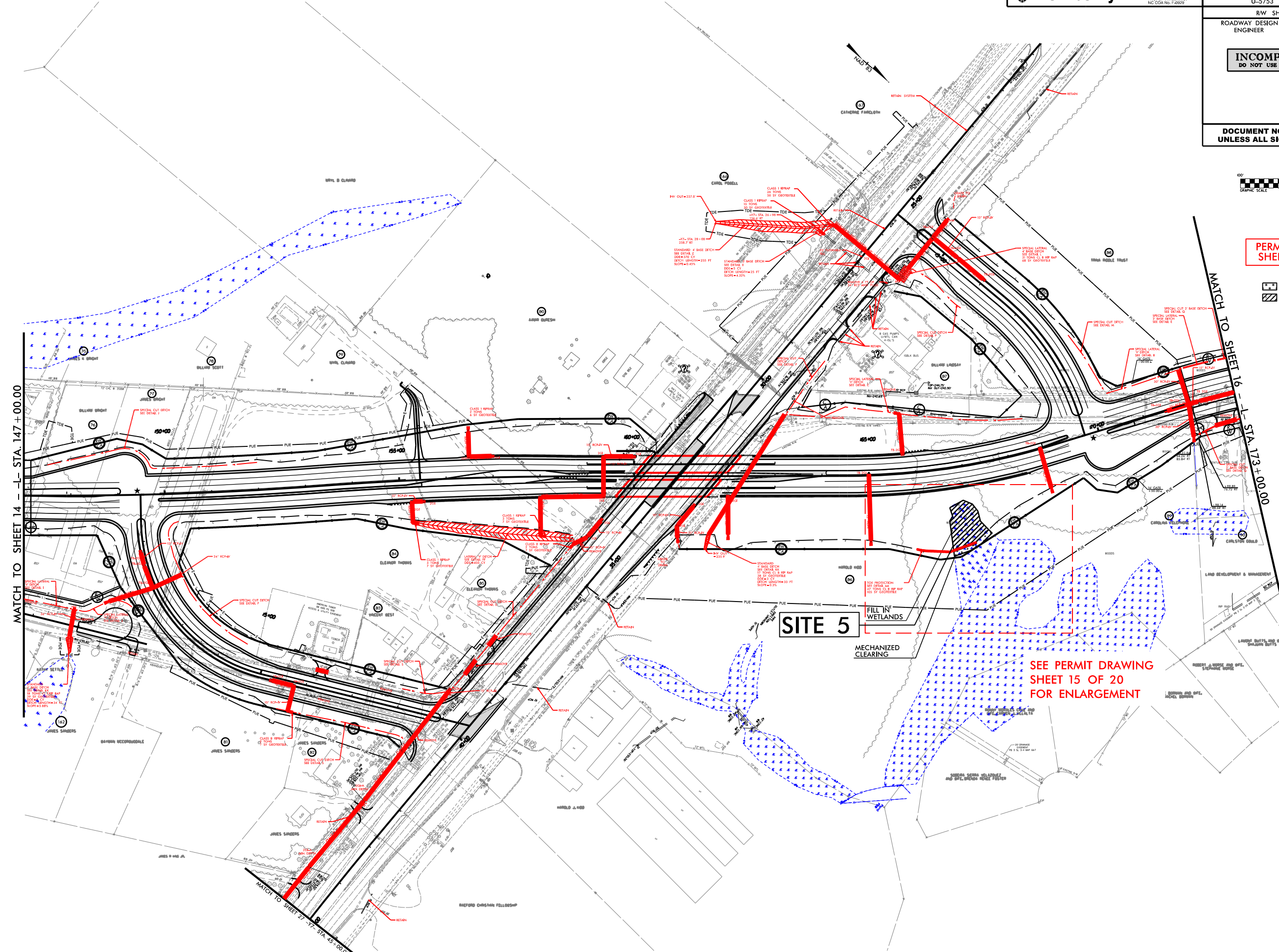
PERMIT DRAWING
SHEET 13 OF 20

- ☐ DENOTES MECHANIZED CLEARING
- ▨ DENOTES FILL IN WETLANDS

REVISIONS
 ROW REV. -- OCTOBER 19, 2022 -- PARCEL 76, 79, & 89 -- Revised STA/OFF labels; PARCEL 166 -- Extended PUE to Existing ROW line on Parcel 166 (BAS)
 ROW REV. -- FEBRUARY 17, 2023 -- PARCEL 166 & 167 -- Revised PUE for updated pole locations (BDR)

8/17/99

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 5753U5753.dwg



NOTE: ALL DRIVEWAY RADII ARE 15' UNLESS OTHERWISE NOTED

★ PROPOSED SIGNAL

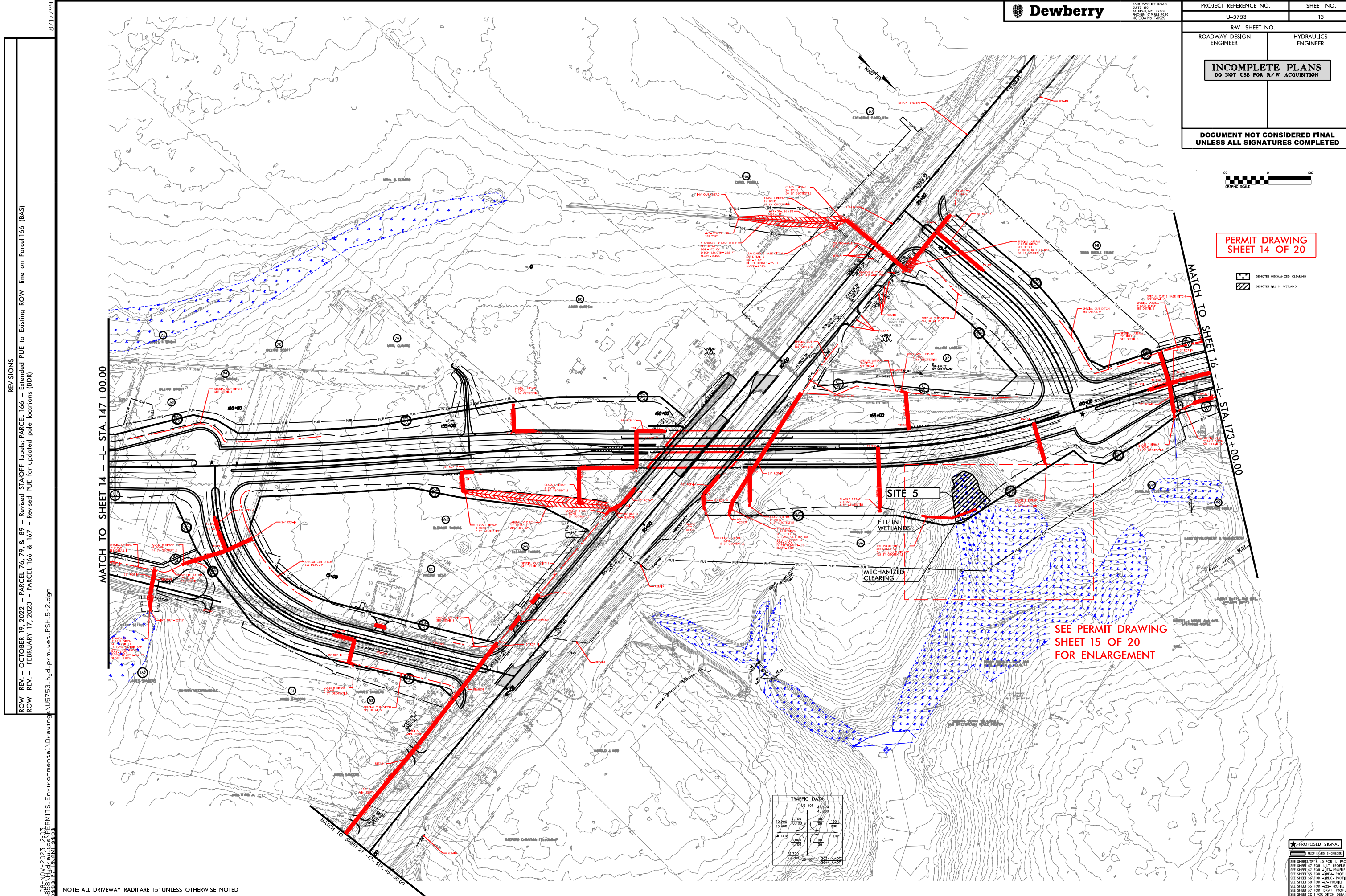
SEE SHEETS 39 & 40 FOR -- PROFILE
 SEE SHEET 37 FOR -- L15-- PROFILE
 SEE SHEET 37 FOR -- L10-- PROFILE
 SEE SHEET 35 FOR -- G100-- PROFILE
 SEE SHEET 35 FOR -- G100C-- PROFILE
 SEE SHEET 35 FOR -- G100L-- PROFILE
 SEE SHEET 35 FOR -- G100R-- PROFILE
 SEE SHEET 37 FOR -- G100L-- PROFILE
 SEE SHEET 37 FOR -- G100R-- PROFILE
 SEE SHEET 20-1 FOR DETAIL

PROJECT REFERENCE NO. U-5753	SHEET NO. 15
R/W SHEET NO.	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER	ENGINEER
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



PERMIT DRAWING
SHEET 14 OF 20

- DENOTES MECHANIZED CLEARING
- DENOTES FILL IN WETLANDS



TRAFFIC DATA

10,000	7,000	4,000	2,000
15,000	10,000	5,000	2,500
20,000	15,000	7,500	3,000
25,000	20,000	10,000	3,500
30,000	25,000	12,500	4,000
35,000	30,000	15,000	4,500
40,000	35,000	17,500	5,000
45,000	40,000	20,000	5,500
50,000	45,000	22,500	6,000
55,000	50,000	25,000	6,500
60,000	55,000	27,500	7,000
65,000	60,000	30,000	7,500
70,000	65,000	32,500	8,000
75,000	70,000	35,000	8,500
80,000	75,000	37,500	9,000
85,000	80,000	40,000	9,500
90,000	85,000	42,500	10,000
95,000	90,000	45,000	10,500
100,000	95,000	47,500	11,000

REVISIONS
 ROW REV. -- OCTOBER 19, 2022 -- PARCEL 76, 79, & 89 -- Revised STA/OFF labels; PARCEL 166 -- Extended PUE to Existing ROW line on Parcel 166 (BAS)
 ROW REV. -- FEBRUARY 17, 2023 -- PARCEL 166 & 167 -- Revised PUE for updated pole locations (BDR)
 06-NOV-2023 12:03 PM C:\PERMITS_Environmental\Drawings\U5753_hyd.prm...we.L_PSH15-2.dgn
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NOTE: ALL DRIVEWAY RADII ARE 15' UNLESS OTHERWISE NOTED

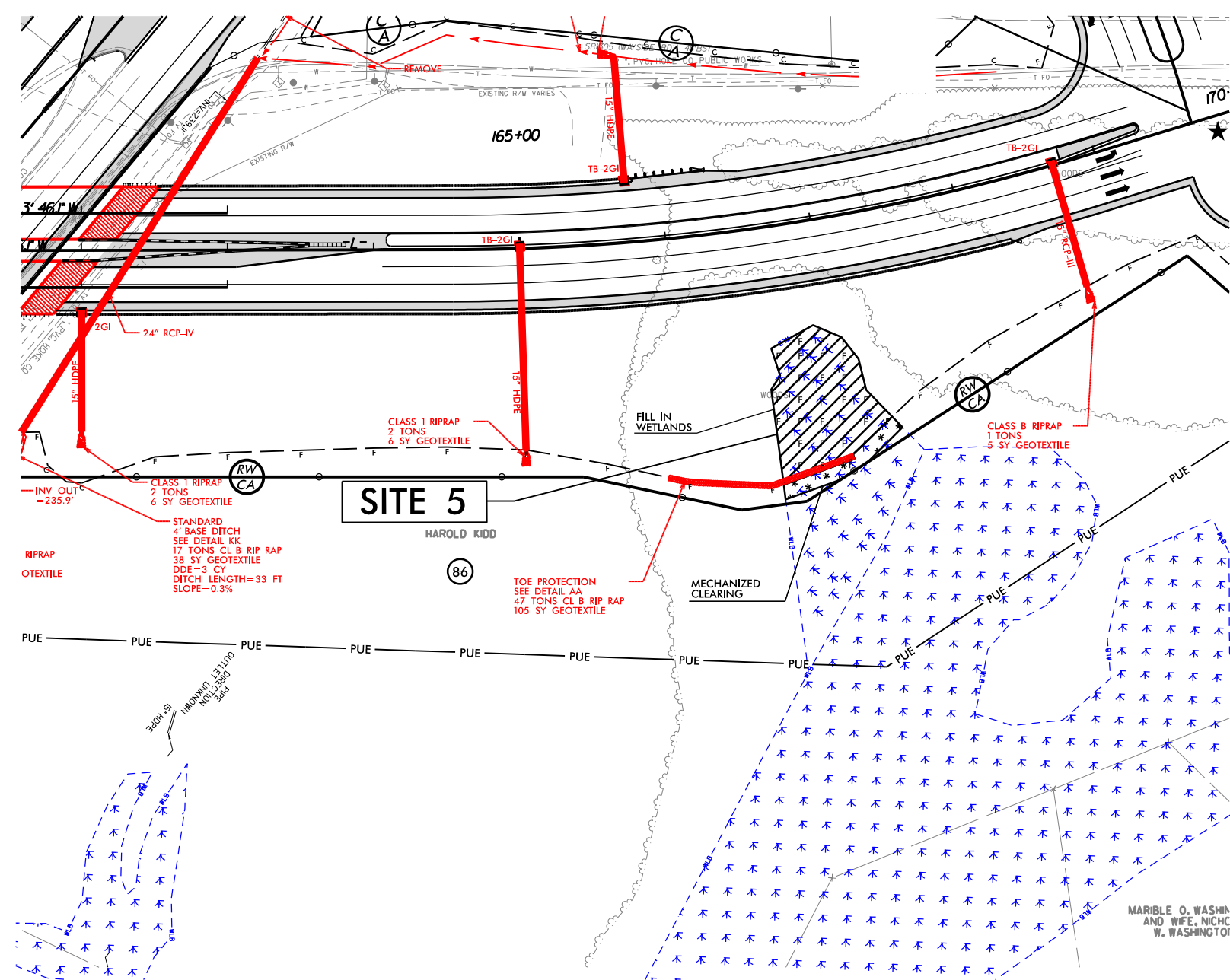
- PROPOSED SIGNAL
- PROPOSED STRUCTURE
- SEE SHEETS 17 & 18 FOR -L- PROFILE
- SEE SHEET 17 FOR -L-LS- PROFILE
- SEE SHEET 17 FOR -L-RT- PROFILE
- SEE SHEET 18 FOR -GR-LS- PROFILE
- SEE SHEET 18 FOR -GR-RT- PROFILE
- SEE SHEET 19 FOR -12- PROFILE
- SEE SHEET 19 FOR -12-LS- PROFILE
- SEE SHEET 19 FOR -12-RT- PROFILE
- SEE SHEET 20 FOR DETAIL DETAILS

PROJECT REFERENCE NO. U-5753	SHEET NO. 15
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



PERMIT DRAWING
SHEET 15 OF 20

DENOTES MECHANIZED CLEARING
 DENOTES FILL IN WETLAND



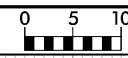
REVISIONS
 ROW REV. -- OCTOBER 19, 2022 -- PARCEL 76, 79, & 89 -- Revised STAFF OFF labels; PARCEL 166 -- Extended PUE to Existing ROW line on Parcel 166 (BAS)
 ROW REV. -- FEBRUARY 17, 2023 -- PARCEL 166 & 167 -- Revised PUE for updated pole locations (BDR)

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 SH15-3.dgn

NOTE: ALL DRIVEWAY RADII ARE 15' UNLESS OTHERWISE NOTED

SEE SHEETS 39 & 40 FOR -- PROFILE
 SEE SHEET 37 FOR -- LT-- PROFILE
 SEE SHEET 37 FOR -- RT-- PROFILE
 SEE SHEET 35 FOR -- GROUND-- PROFILE
 SEE SHEET 36 FOR -- GROUND-- PROFILE
 SEE SHEET 35 FOR -- 12-- PROFILE
 SEE SHEET 37 FOR -- 12-- PROFILE
 SEE SHEET 37 FOR -- 12-- PROFILE
 SEE SHEET 20-1 FOR DITCH DETAILS

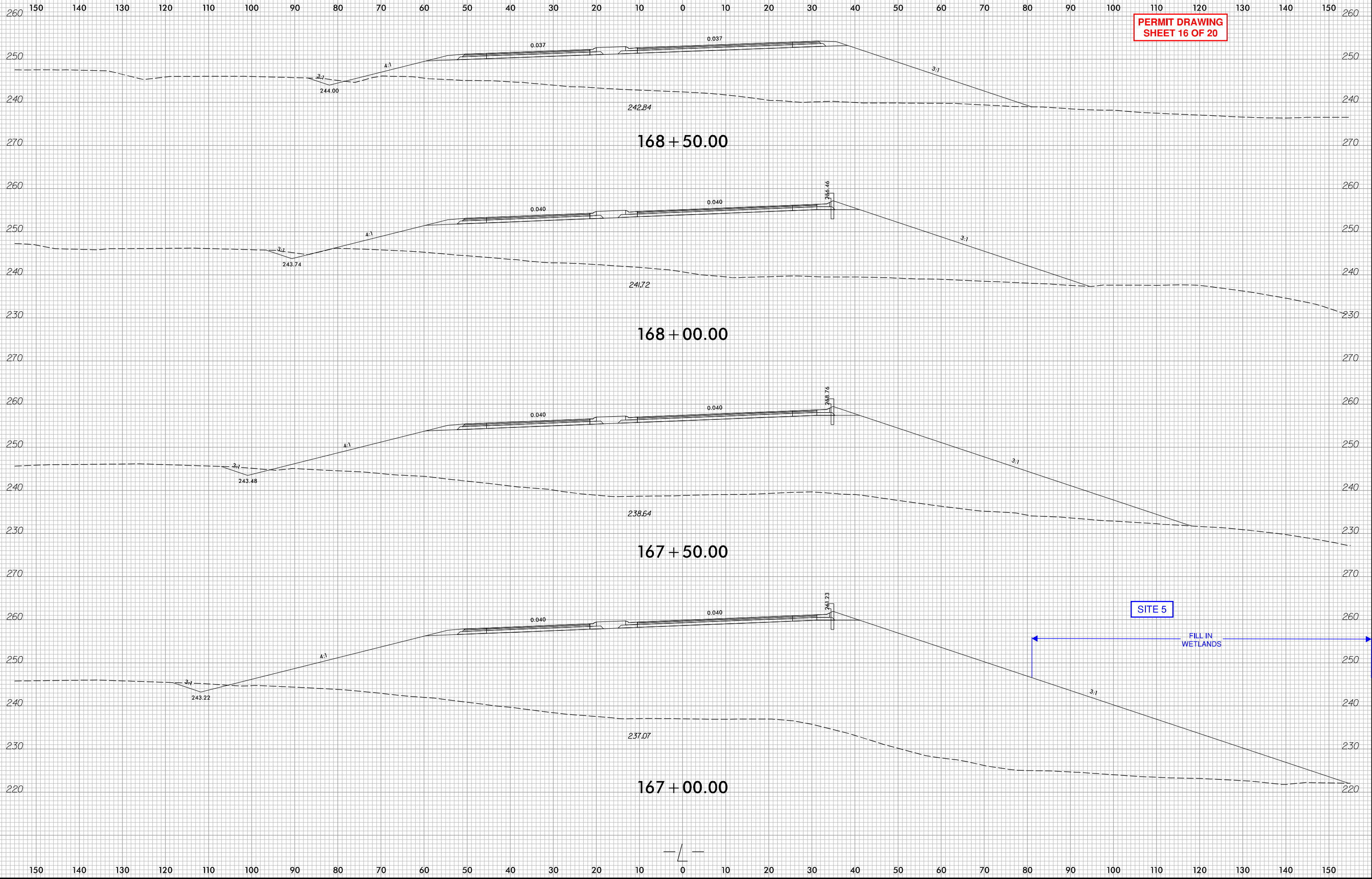
6/23/16



PROJ. REFERENCE NO.
U-5753

SHEET NO.
X-46

PERMIT DRAWING
SHEET 16 OF 20

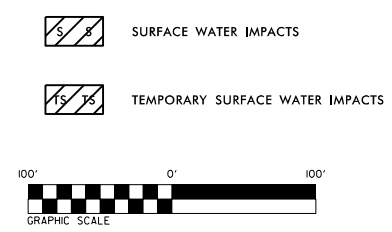


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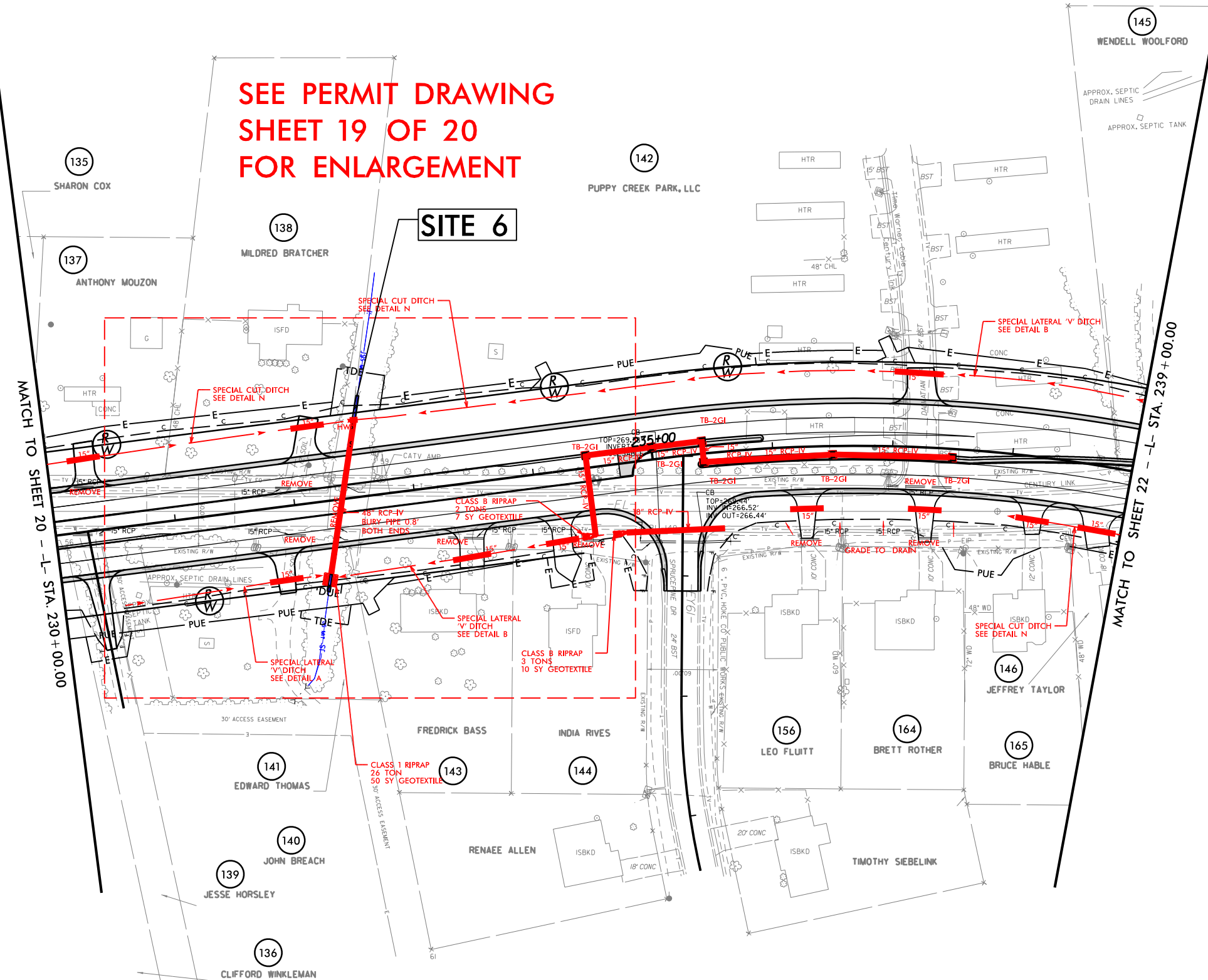


RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



PERMIT DRAWING
SHEET 17 OF 20



SEE PERMIT DRAWING
SHEET 19 OF 20
FOR ENLARGEMENT

SITE 6

REVISIONS

ROW REV - JANUARY 9, 2023 - PARCEL 142 AND 143 - Revised PUE to avoid impacts to building (BSL)

DES REV - AUGUST 7, 2023 - Added left turn lane from -L- SB to -Y1B- and shortened the left turn lane from -L- NB to -Y21- (BDR)

08-NOV-2023 12:05 PM
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NOTE: ALL DRIVEWAY RADII ARE 15' UNLESS OTHERWISE NOTED

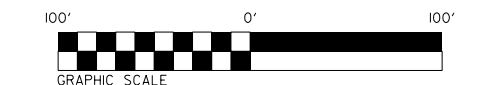
PROP PAVED SHOULDER

SEE SHEET 46 FOR -L- PROFILE
SEE SHEET 52 FOR -Y1B- PROFILE
SEE SHEET 56 FOR -DRW2- PROFILE
SEE SHEET 2D-1 FOR DITCH DETAILS

RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

- SURFACE WATER IMPACTS
- TEMPORARY SURFACE WATER IMPACTS

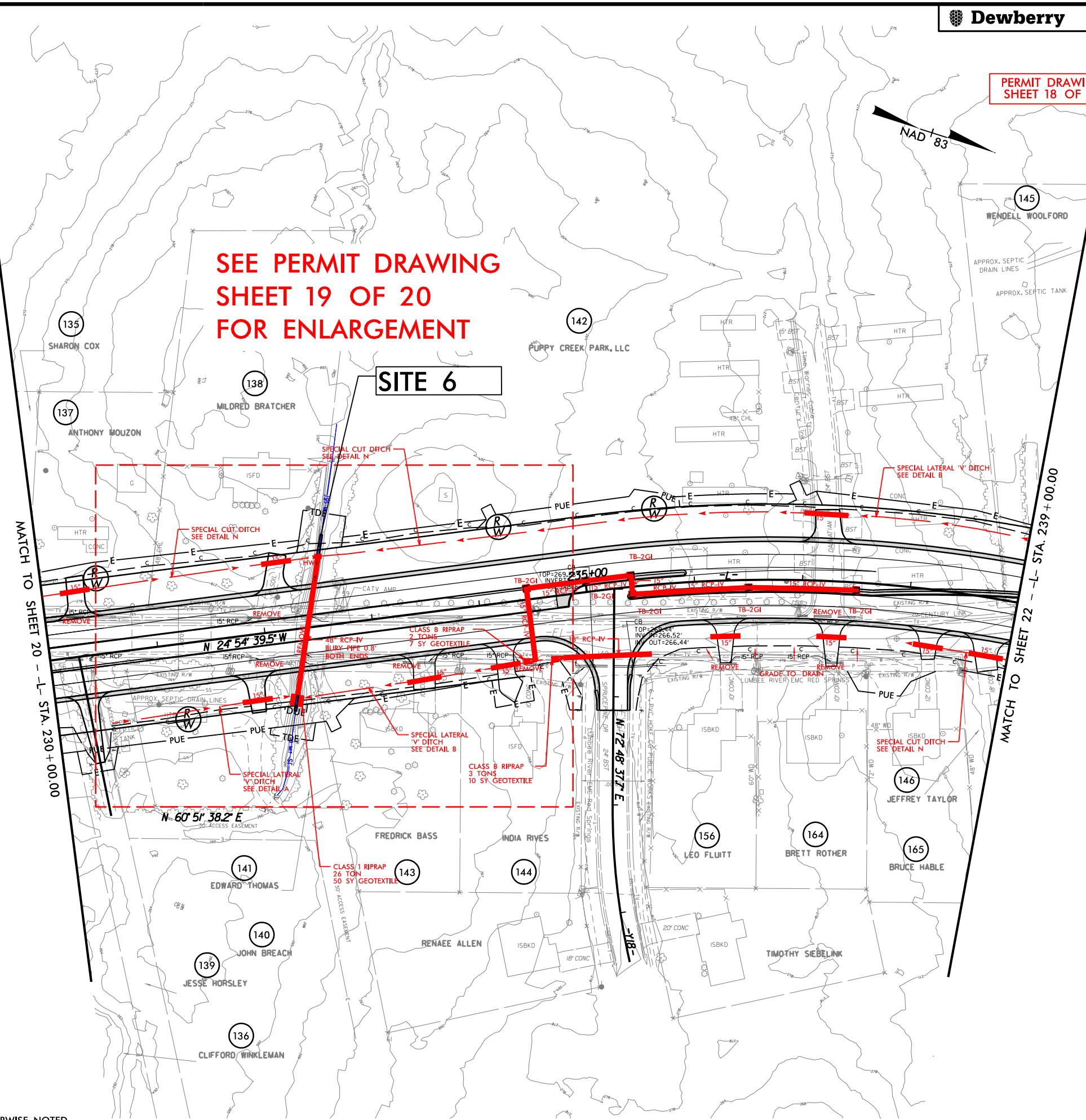


PERMIT DRAWING
SHEET 18 OF 20



SEE PERMIT DRAWING
SHEET 19 OF 20
FOR ENLARGEMENT

SITE 6



REVISIONS

ROW REV - JANUARY 9, 2023 - PARCEL 142 AND 143 - Revised PUE to avoid impacts to building (BSL)

DES REV - AUGUST 7, 2023 - Added left turn lane from -L- SB to -Y18- and shortened the left turn lane from -L- NB to -Y21- (BDR)

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NOTE: ALL DRIVEWAY RADII ARE 15' UNLESS OTHERWISE NOTED

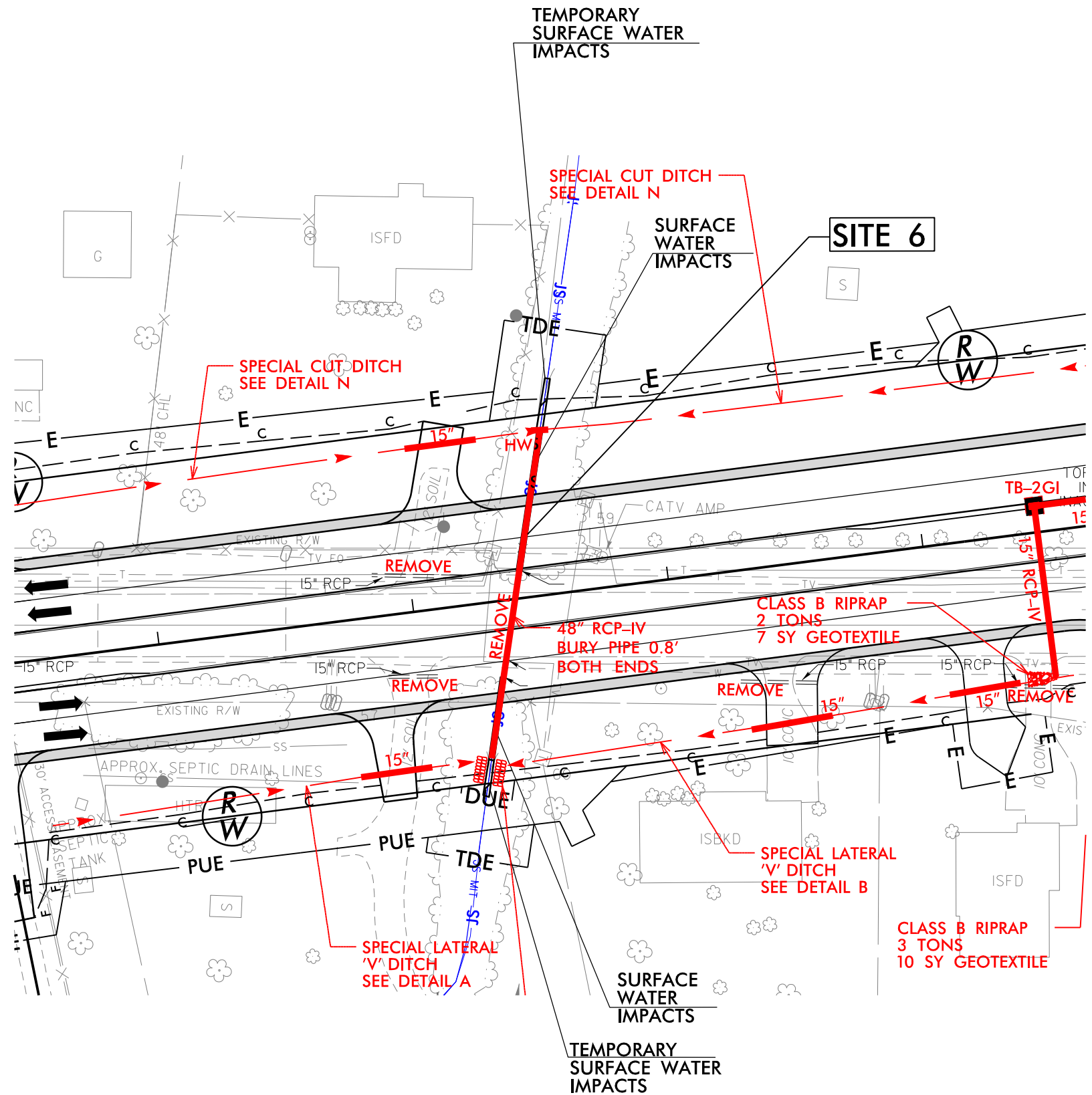
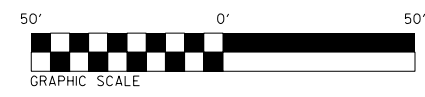
PROP PAVED SHOULDER

SEE SHEET 46 FOR -L- PROFILE
SEE SHEET 52 FOR -Y18- PROFILE
SEE SHEET 56 FOR -DRW2- PROFILE
SEE SHEET 2D-1 FOR DITCH DETAILS

PROJECT REFERENCE NO. U-5753	SHEET NO. 21
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

PERMIT DRAWING
SHEET 19 OF 20

- SURFACE WATER IMPACTS
- TEMPORARY SURFACE WATER IMPACTS



REVISIONS
 ROW REV - JANUARY 9, 2023 - PARCEL 142 AND 143 - Revised PUE to avoid impacts to building (BSL)
 DES REV - AUGUST 7, 2023 - Added left turn lane from -L- SB to -Y18- and shortened the left turn lane from -L- NB to -Y21- (BDR)

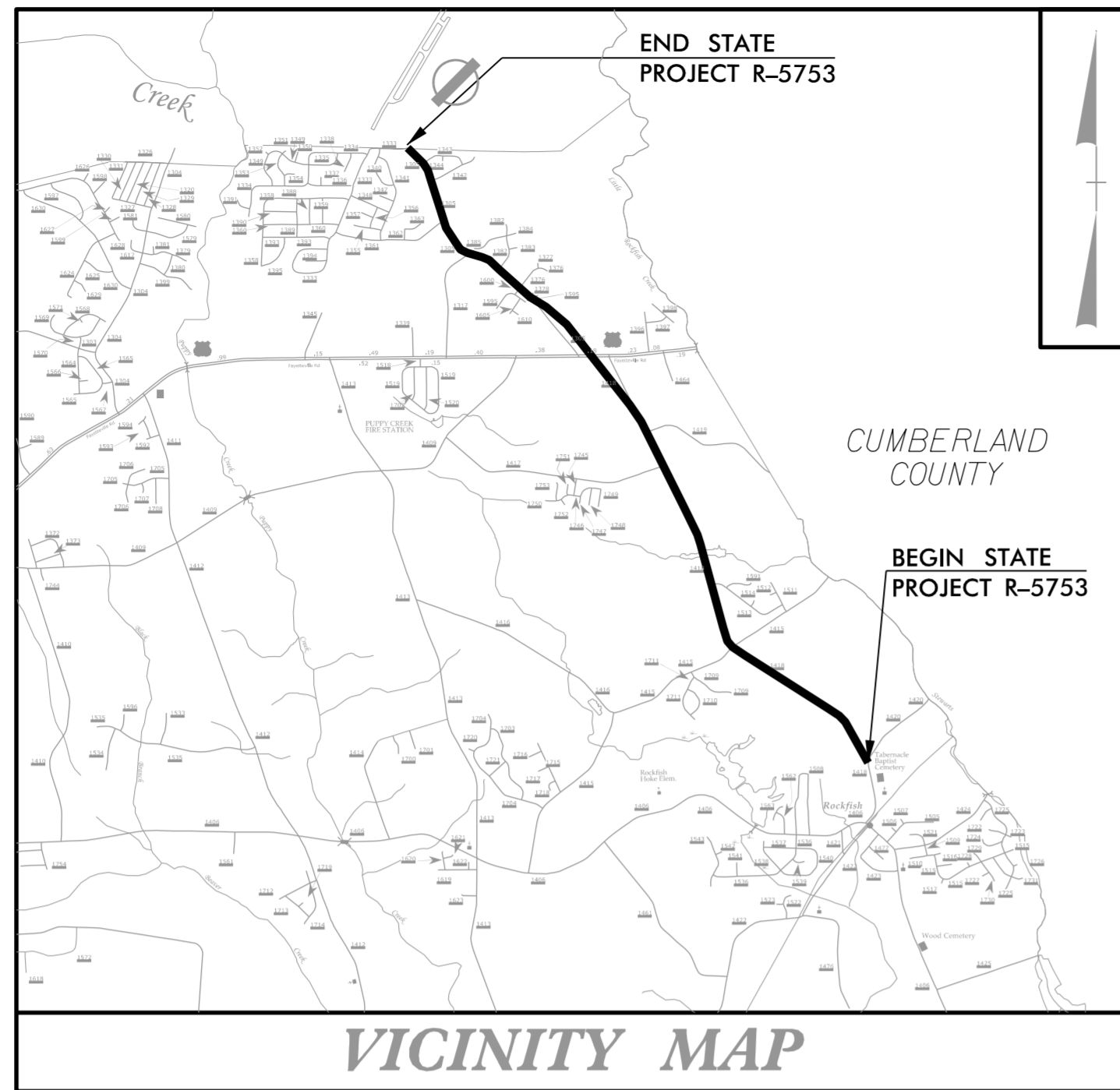
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PROP PAVED SHOULDER

SEE SHEET 46 FOR -L- PROFILE
 SEE SHEET 52 FOR -Y18- PROFILE
 SEE SHEET 56 FOR -DRW2- PROFILE
 SEE SHEET 2D-1 FOR DITCH DETAILS

TIP PROJECT: U-5753

7/1/2024 R:\Utilities\Engineering\Utility Environmental\Permit\U5753_ut_tsh_U001_permit_psh.dgn USERNAME



STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

**UTILITIES JURISDICTIONAL IMPACTS
HOKE COUNTY**

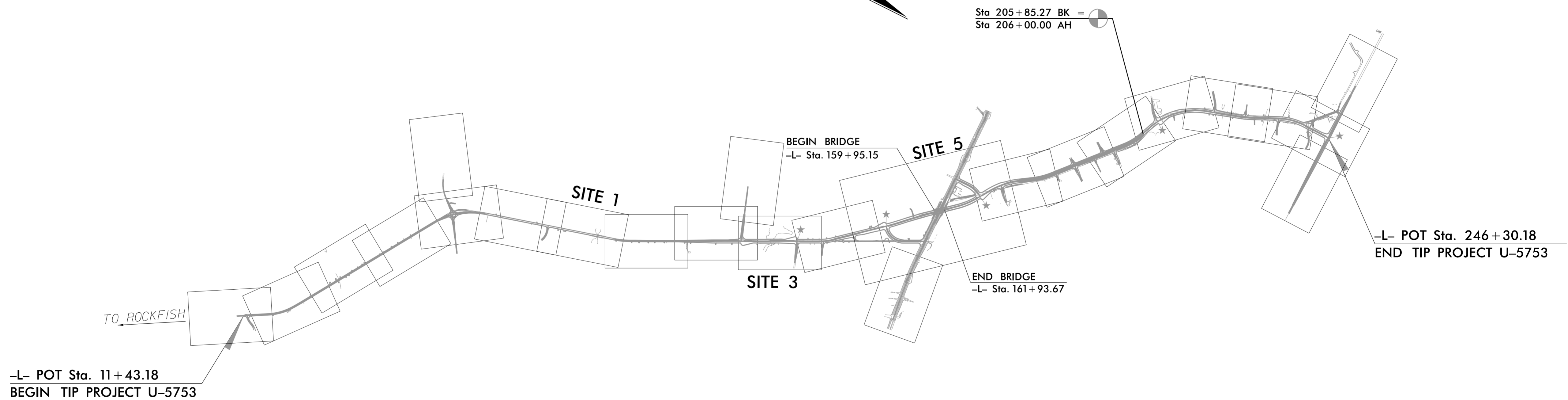
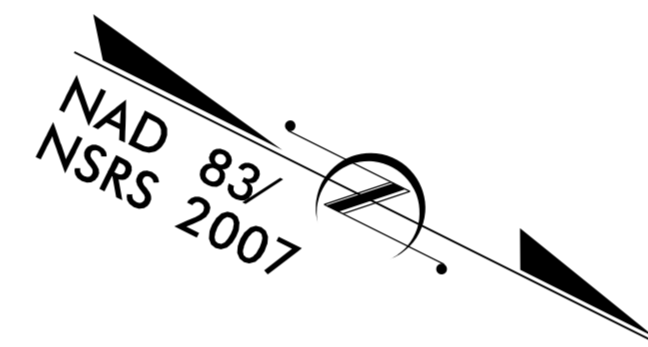
**LOCATION: SR 1418 (LINDSAY ROAD) FROM SR 1787 (LITTLE ROCK DRIVE) TO US 401
SR 1305 (WAYSIDE ROAD) FROM US 401 TO PLANK ROAD**

TYPE OF WORK: UTILITY RELOCATION

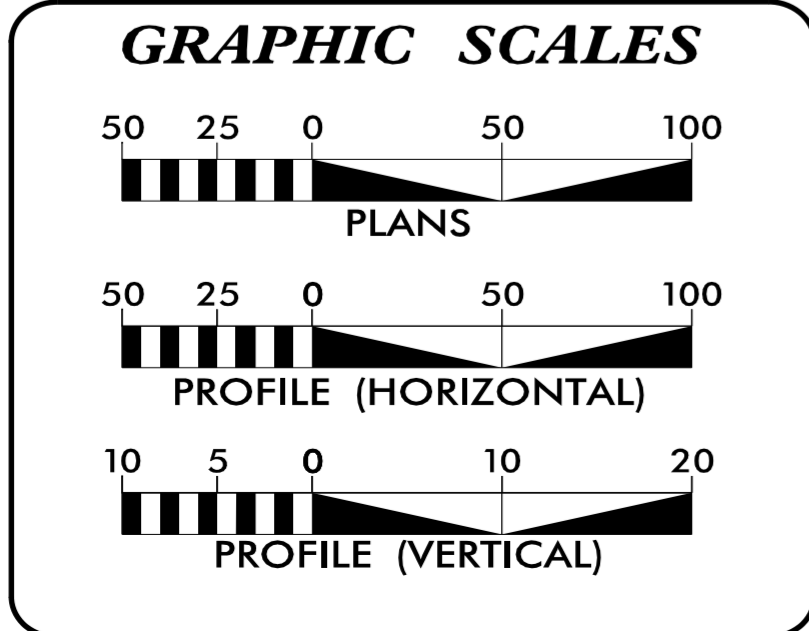
T.I.P. NO.	SHEET NO.
U-5753	UO-01

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

PERMIT DRAWING
SHEET 1 OF 5



★ PROPOSED SIGNAL



INDEX OF SHEETS

SHEET NO.:	DESCRIPTION:
UO-01	TITLE SHEET
UO-02 THRU UO-4	ENVIRONMENTAL PERMIT SHEETS

- UTILITY OWNERS WITH CONFLICTS**
- (A) POWER (TRANSMISSION) - LUMBEE RIVER EMC
 - (B) POWER (DISTRIBUTION) - LUMBEE RIVER EMC
 - (C) TELEPHONE - CENTURYLINKLUMENBRIGHTSPEED
 - (D) CATV - SPECTRUM
 - (E) COMMUNICATIONS - SEGRA
 - (F) COMMUNICATIONS - METRONET
 - (G) COMMUNICATION - FORT BRAGG
 - (H) GAS - PIEDMONT NATURAL GAS

PENNONI ASSOCIATES INC.
5430 WADE PARK BLVD., SUITE 106,
RALEIGH, NC 27607 PHONE: 919.929.1173
FAX: 919.493.6548 NC LICENSE #F-1267

UTILITIES PROJECT COORDINATOR
WAYNE WILEY

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

ALI KOUCHEKI, PE REGIONAL UTILITIES ENGINEER
TANGA SAMPSON REGIONAL UTILITY COORDINATOR
MICHAEL RICKETTS DIV. UTILITIES ENGINEER
TRENT CAVINESS SR DIV. UTILITY COORDINATOR

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

PERMIT DRAWING
SHEET 2 OF 5

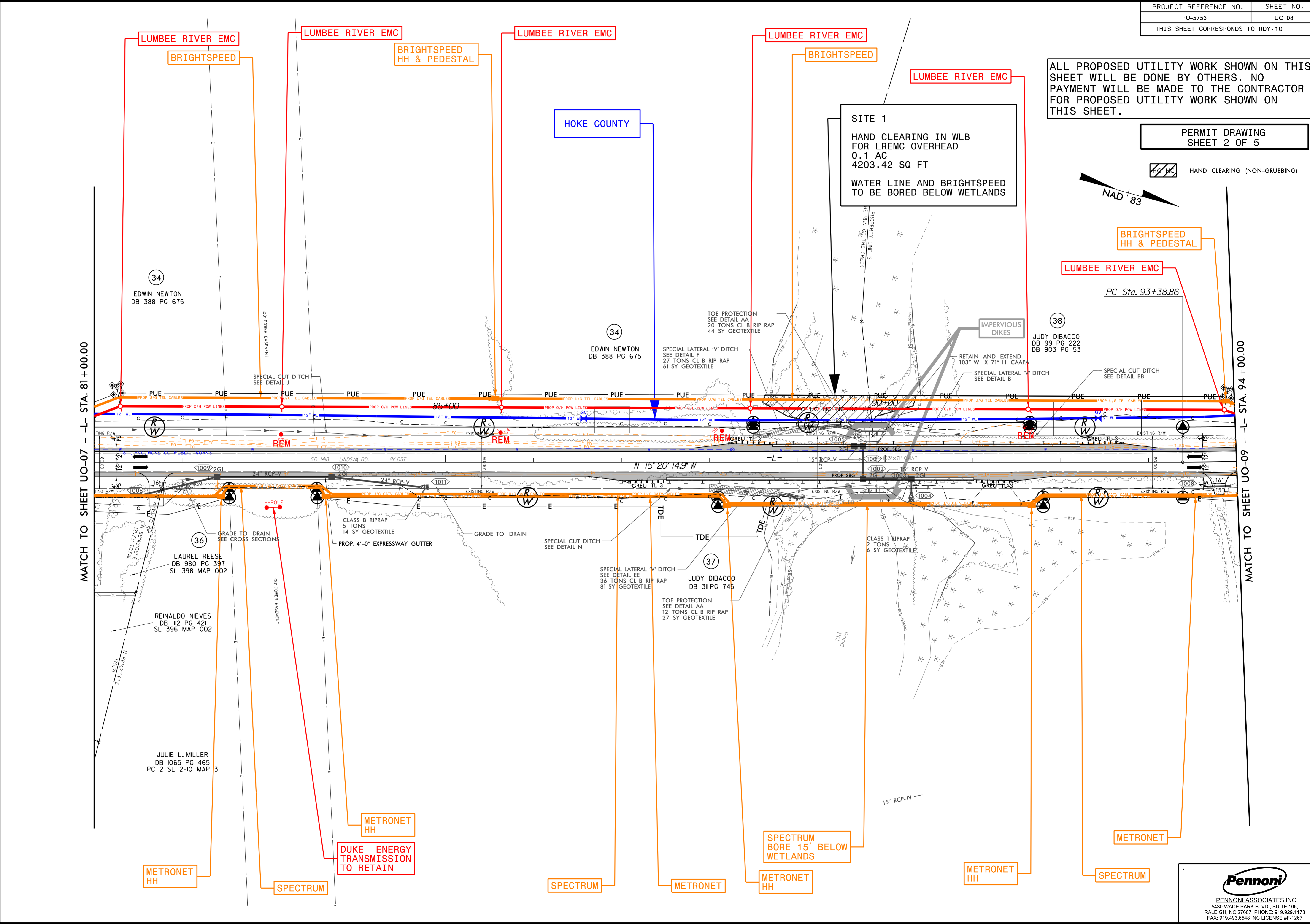


HAND CLEARING (NON-GRUBBING)

SITE 1
HAND CLEARING IN WLB FOR LREMC OVERHEAD
0.1 AC
4203.42 SQ FT
WATER LINE AND BRIGHTSPEED TO BE BORED BELOW WETLANDS

MATCH TO SHEET UO-07 -- L- STA. 81+00.00

MATCH TO SHEET UO-09 -- L- STA. 94+00.00

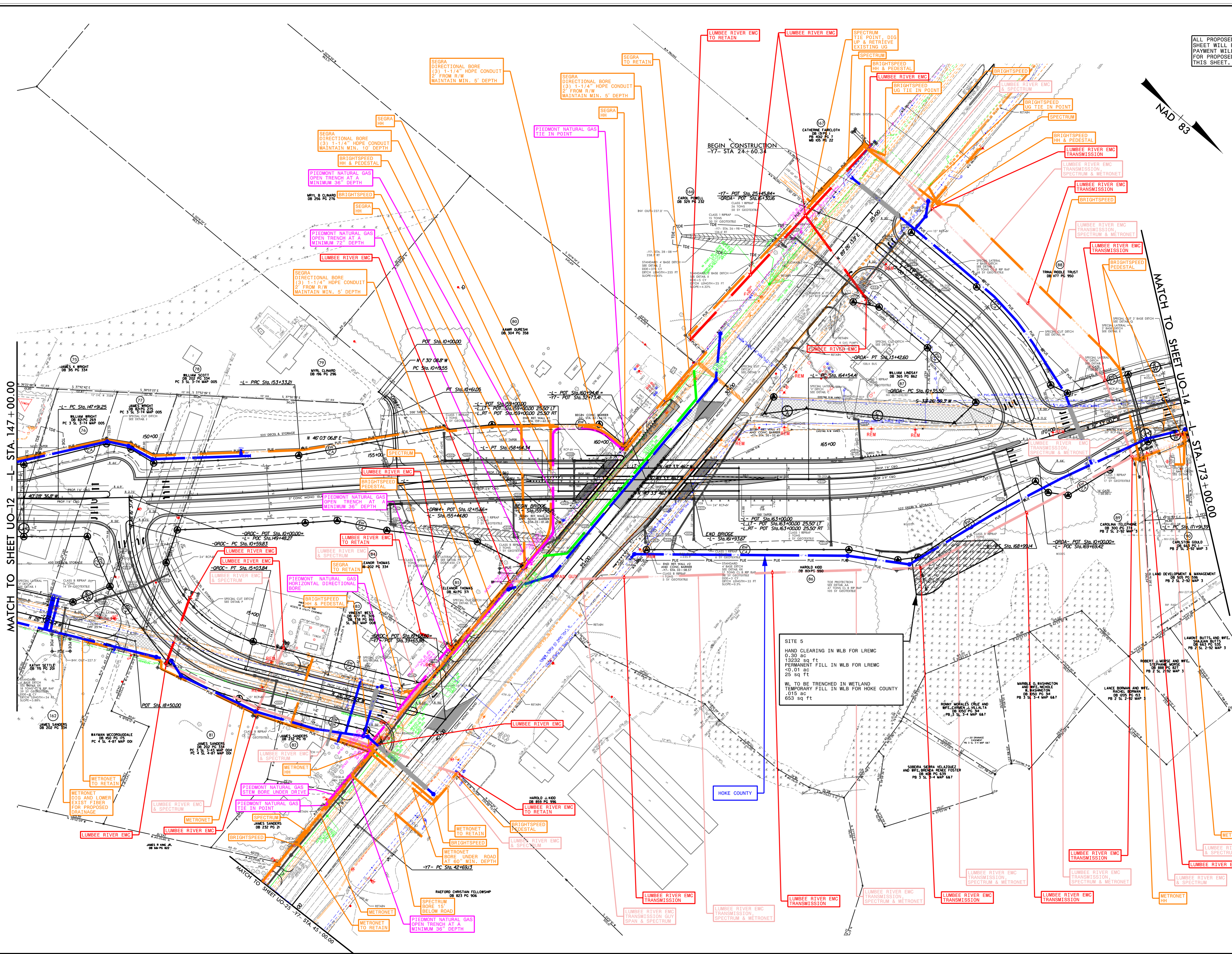


7/1/2024 Environmental Permitt U5753-ut-rdy10_UO08.psh_permit.dgn

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

PERMIT DRAWING
 SHEET 4 OF 5

HAND CLEARING (NON-GRUBBING)



SITE 5
 HAND CLEARING IN WLB FOR LREMC
 0.30 ac
 13232 sq ft
 PERMANENT FILL IN WLB FOR LREMC
 <0.01 ac
 25 sq ft
 WL TO BE TRENCHED IN WETLAND
 TEMPORARY FILL IN WLB FOR HOKE COUNTY
 .015 ac
 653 sq ft

MATCH TO SHEET UO-12 - L- STA. 147+00.00

MATCH TO SHEET UO-1A - STA. 173+00.00

HOKE COUNTY

DATE: 12/20/24
 DRAWN BY: [Name]
 CHECKED BY: [Name]
 PROJECT: [Name]



WETLAND AND SURFACE WATER IMPACTS SUMMARY

Site No.	Station (From/To)	Structure Size / Type	WETLAND IMPACTS					SURFACE WATER IMPACTS				
			Permanent Fill In Wetlands (ac)	Temp. Fill In Wetlands (ac)	Excavation in Wetlands (ac)	Mechanized Clearing in Wetlands (ac)	Hand Clearing in Wetlands (ac)	Permanent SW impacts (ac)	Temp. SW impacts (ac)	Existing Channel Impacts Permanent (ft)	Existing Channel Impacts Temp. (ft)	Natural Stream Design (ft)
1	88+60/90+32	Overhead Power					0.100					
3	123+58/126+52	Overhead Power	<0.01				0.230					
5	166+50/168+71	Overhead Power	<0.01				0.304					
5	166+54/167+45	Water Line		0.015								
TOTALS*:			0.00	0.02	0.00	0.00	0.63	0.00	0.00	0	0	0

*Rounded totals are sum of actual impacts

NOTES:

NC DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 7/02/2024
 Hoke County
 U-5753
 51078.2.2
 SHEET 5 OF 5

Type III Categorical Exclusion Action Classification Form

STIP Project No.	<u>U-5753</u>
WBS Element	<u>51078.1.1</u>
Federal Project No.	<u>N/A</u>

A. Project Description:

Wayside Road (S.R. 1305) / Lindsay Road (S.R. 1418) – U.S. 401 to Plank Road, and Gillis Hill Road (S.R. 1420) to U.S. 401. Widen to multi-lanes.

The project is located south of Fort Bragg in Hoke County as shown on the attached Vicinity Map.

B. Description of Need and Purpose:

The primary need for the proposed action is to address the anticipated increase in traffic volumes. The purpose of the proposed project is to improve traffic safety and reduce congestion in the area south of Fort Bragg as part of a series of roadway improvements between Fort Bragg and the community of Rockfish.

In its July 2013 *Southwestern Cumberland County and Northeastern Hoke County Multi-Modal Congestion Plan*, the Fayetteville Area Metropolitan Planning Organization (FAMPO) identified the Wayside Road/Lindsay Road corridor as over capacity (Level of Service F) and noted that congestion was expected to increase due to the limited number of north/south roads that carry traffic to/from U.S.401.

NCDOT's traffic forecast analysis indicated that, if no improvements were constructed, by 2040, traffic along the existing Wayside and Lindsay Roads would increase between 12 and 42 percent. The *U-5753/U-5858 Traffic Operations Analysis* (June 2019) concluded that widening from 2-lanes to median divided 4-lanes from Plank Road south to Adcox Road show improvements in delay and queue length along the corridor when compared to the No-Build scenario.

The addition of paved shoulders along the entire corridor will improve overall safety by providing separation distance between motorists and bicyclists as well as additional recovery space for errant vehicles.

C. Categorical Exclusion Action Classification:

Type III

D. Proposed Improvements:

NCDOT proposes to improve Wayside Road (S.R. 1305) from U.S. 401 to Plank Road and Lindsay Road (S.R. 1418) from Gillis Hill Road (S.R. 1420) to U.S. 401. Proposed improvements include:

- Improvements on Wayside Road will widen the existing roadway from a two-lane undivided road to a four-lane median divided roadway, with two travel lanes in each direction, and four-foot paved shoulders that can accommodate bicyclists on each side. Median breaks will be provided to allow left turns at Clan Campbell Drive, Independence Drive, and Brock Road. The intersection of Wayside Road and Plank Road would be re-aligned as a "T" intersection.
- Wayside Road and Lindsay Road at U.S. 401 will be realigned as a grade separated interchange over U.S. 401.

- Lindsay Road will be widened from a two-lane undivided road to four-lane facility with a median and five-foot paved shoulders that can accommodate bicyclists on each side from U.S. 401 to Adcox Road. From Adcox Road south to Gillis Hill Road, the design of Lindsay Road is based on 3-R Guidelines and will include five-foot shoulders that can accommodate bicyclists on each side; no additional travel lanes will be added in this section.
- The existing intersection of Lindsay Road at Galatia Church Road will be converted into a roundabout configuration.
- The structure over U.S. 401 will be a dual bridge, 36-feet wide by 180-feet long.
- Design speed along Wayside Road is 50 miles per hour (mph) (posted at 45 mph) and 60 mph along Lindsay Road (posted at 55 mph).

The project began as two separate projects, U-5753 and U-5858. The limits of the original projects were:

- U-5753: Wayside Road (S.R. 1305) from U.S. 401 to Plank Road.
- U-5858: Lindsay Road (S.R. 1418) from Rockfish Road (S.R. 1406) to U.S. 401.

Prior to the public meeting held in April 2019, the U-5858 project limits were reduced from Rockfish Road (S.R. 1406) to Gillis Hill Road (S.R. 1420). After the public meeting was held, the projects were combined into one project.

E. Special Project Information:

Public Involvement

A public meeting was held on April 23, 2019, with over 200 people in attendance (198 residents and 7 local/government officials). A total of 155 comments were received; 23 comment forms were turned in at the meeting, and 132 comments were received online. When asked if they supported the project, 47 residents provided a response, with slightly more than half (53 percent) in support of the project. Drainage along the corridor was a concern for many residents who submitted comments.

Bicycle and Pedestrian Coordination

Coordination with representatives with Hoke County and the Fayetteville Area Metropolitan Planning Organization (FAMPO) occurred throughout planning and preliminary design. All parties agree with the proposed project improvements previously discussed.

Environmental Justice

While minority and low-income populations are present in the project area, no notably adverse community impacts are anticipated with this project; thus, impacts to minority and low-income populations do not appear to be disproportionately high and adverse. Benefits and burdens resulting from the project are anticipated to be equitably distributed throughout the community. No disparate impacts are anticipated under Title VI and related statutes. This conclusion was identified in the U-5753 and U-5858 Community Impact Assessments prepared in July 2019.

Right of Way and Relocations

Given the proposed project limits, it is estimated that the acquisition of 39 relocations will be required. Six businesses and 33 residences will require relocation. The majority of these relocations are located along the Wayside Road section of the project. As the roadway and intersection design continues to be refined, reduction in the number of relocations is anticipated.

Jurisdictional Impacts

Based on the most recent roadway design plans, the project may potentially impact:

- Wetlands – 0.49 acres
- Streams – 175 linear feet

- Open Water/Ponds – 0.09 acres

These impacts are based on best fit widening alternative, which was developed for this project in order to minimize impacts to both jurisdictional resources as well as homes and businesses along the corridor. As the roadway and intersection design continues to be refined, additional reduction in impacts is anticipated.

F. Project Impact Criteria Checklists:

F3. Type III Actions			
<p>Proposed improvement(s) that fit Type III Actions (NCDOT-FHWA CE Programmatic Agreement, Appendix C) answer questions below.</p> <ul style="list-style-type: none"> • <i>NCDOT will certify the Categorical Exclusion for FHWA approval.</i> • <i>If any questions are marked "Yes" then additional information will be required for those questions in Section G.</i> 			
		Yes	No
1	Does the project involve potential effects to Threatened or Endangered species listed by the US Fish and Wildlife Service (USFWS) or National Marine Fisheries Service (NMFS)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2	Does the project result in impacts subject to the conditions of the Bald and Golden Eagle Protection Act (BGEPA)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3	Does the project generate substantial controversy or public opposition, for any reason, following appropriate public involvement?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4	Does the project cause disproportionately high and adverse impacts relative to low-income and/or minority populations?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5	Does the project involve substantial residential or commercial displacements or right of way acquisition?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6	Does the project include a determination under Section 4(f)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7	Is a project-level analysis for direct, indirect, or cumulative effects required based on the NCDOT community studies screening tool?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8	Does the project impact anadromous fish spawning waters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
9	Does the project impact waters classified as Outstanding Resource Waters (ORW), High Quality Waters (HQW), Water Supply Watershed Critical Areas, 303(d)-listed impaired water bodies, buffer rules, or submerged aquatic vegetation (SAV)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
10	Does the project impact Waters of the United States in any of the designated mountain trout streams?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
11	Does the project require a US Army Corps of Engineers (USACE) Individual Section 404 Permit?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
12	Will the project require an easement from a Federal Energy Regulatory Commission (FERC) licensed facility?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
13	Does the project include Section 106 of the National Historic Preservation Act (NHPA) effects determination other than a No Effect, including archaeological remains?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
14	Does the project involve GeoEnvironmental Sites of Concerns such as gas stations, dry cleaners, landfills, etc.?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15	Does the project require work encroaching and adversely effecting a regulatory floodway or work affecting the base floodplain (100-year flood) elevations of a water course or lake, pursuant to Executive Order 11988 and 23 CFR 650 subpart A?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
16	Is the project in a Coastal Area Management Act (CAMA) county and substantially affects the coastal zone and/or any Areas of Environmental Concern (AEC)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

<u>Type III Actions (continued)</u>		Yes	No
17	Does the project require a US Coast Guard (USCG) permit?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
18	Does the project involve construction activities in, across, or adjacent to a designated Wild and Scenic River present within the project area?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
19	Does the project involve Coastal Barrier Resource Act (CBRA) resources?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
20	Does the project impact federal lands (e.g. US Forest Service (USFS), US Fish and Wildlife Service (USFWS), etc.) or Tribal (Trust) Lands?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
21	Does the project involve any changes in access control or the modification or construction of an interchange on an interstate?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
22	Does the project have a permanent adverse effect on local traffic patterns or community cohesiveness?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
23	Will maintenance of traffic cause substantial disruption?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
24	Is the project inconsistent with the STIP, and where applicable, the Metropolitan Planning Organization's (MPO's) Transportation Improvement Program (TIP)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
25	Does the project require the acquisition of lands under the protection of Section 6(f) of the Land and Water Conservation Act, the Federal Aid in Fish Restoration Act, the Federal Aid in Wildlife Restoration Act, TVA, Tribal Lands, or other unique areas or special lands that were acquired in fee or easement with public-use money and have deed restrictions or covenants on the property?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
26	Does the project involve Federal Emergency Management Act (FEMA) buyout properties under the Hazard Mitigation Grant Program (HMGP)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
27	Is the project considered a Type I under the NCDOT's Noise Policy?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
28	Is there prime or important farmland soil impacted by this project as defined by the Farmland Protection Policy Act (FPPA)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
29	Is the project in an Air Quality non-attainment or maintenance area for a National Ambient Air Quality Standard (NAAQS)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
30	Are there other issues that arose during the project development process that affected the project decision?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

G. Additional Documentation as Required from Section F (ONLY for questions marked 'Yes'):

1. Saint Francis' satyr: As identified in the final Natural Resources Technical Report (August 2021), the Biological Conclusion for this species is May Affect, Not Likely to Adversely Affect. A review of NHP records on May 12, 2021 indicates one known occurrence within 1.0 mile of the study area. Further correspondence with USFWS may be necessary to determine the need for a species survey prior to the start of construction.

Northern Long-Eared Bat: The US Fish and Wildlife Service has revised the previous programmatic biological opinion (PBO) in conjunction with the Federal Highway Administration (FHWA), the US Army Corps of Engineers (USACE), and NCDOT for the northern long-eared bat (NLEB) (*Myotis septentrionalis*) in eastern North Carolina. The PBO covers the entire NCDOT program in Divisions 1-8, including all NCDOT projects and activities. Although this programmatic covers Divisions 1-8, NLEBs are currently only known in 19 counties, but may potentially occur in 11 additional counties within Divisions 1-8. NCDOT,

FHWA, and USACE have agreed to two conservation measures which will avoid/minimize mortality of NLEBs. These conservation measures only apply to the 30 current known/potential counties shown on Figure 2 of the PBO at this time. The programmatic determination for NLEB for the NCDOT program is **May Affect, Likely to Adversely Affect**. The PBO will ensure compliance with Section 7 of the Endangered Species Act for ten years (effective through December 31, 2030) for all NCDOT projects with a federal nexus in Divisions 1-8, which includes Hoke County where U-5753 is located.

6. Section 4(f) Determination: The U-5753 project will require a *de minimis* Section 4(f) use of Rockfish Park.

All alternatives considered for the proposed project included the addition of paved shoulders that accommodate bicycles with symmetrical widening along the section of Lindsay Road from Gillis Hill Road to Adcox Road. The proposed improvements to the eastern roadway shoulder will require impacting the park property along an existing drainage ditch that parallels Lindsay Road. This existing drainage ditch will be shifted to the east to accommodate the shoulder improvements. The proposed project will require acquisition of approximately 0.32 acres within the park property. No impacts are expected on the park's recreational features (ball fields, picnic areas, etc.) or restrict future recreational uses; impacts will be located adjacent to Lindsay Road along the existing shoulder/ditch section.

In order to minimize impacts to the public's access of the Section 4(f) property, NCDOT has included a commitment that, during construction, at least one of the two driveways accessing the property will remain open for use. NCDOT will coordinate with the Hoke County during construction to ensure any impacts to the park's operations and activities are minimal.

Hoke County, as the official with jurisdiction over Rockfish Park, concurred by email on November 10, 2021, that the project would not adversely affect the activities, features, and attributes that qualify the resource for protection under Section 4(f). Therefore, FHWA has made a *de minimis* determination for this resource. Correspondence with Hoke County is included in the appendix.

14. GeoEnvironmental Sites: A GeoEnvironmental Phase I Report was prepared in August 2019 and identified three (3) sites of concern along the corridor. Low monetary and scheduling impacts are anticipated from the following sites listed from north to south:

Type	Location	Property Name	Anticipated Impacts
Gas Station	1970 Wayside Road	Petro Mart (Shell Gas Station)	Low
Gas Station	9615 Fayetteville Road (US 401)	Circle K (BP Gas Station)	Low
Gas Station	9714 Fayetteville Road (US 401)	Zip-In Mart	Low

Sites of concern should be reviewed by the GeoEnvironmental Section once the Final Right of Way plans are complete to determine if Phase II Investigations and Right of Way Recommendations are necessary prior to right of way being acquired.

27. Noise: Noise wall modeling performed; No wall likely

The source of this traffic noise information is Widening of SR 1305 (Wayside Road), US 401 To Plank Road, and SR 1418 (Lindsay Road, US 401 To SR 1406 (Rockfish Road), Jeffrey C. Lasko, November 17th, 2021.

Traffic Noise Impacts

The maximum number of receptors in each project alternative predicted to become impacted by future traffic noise is shown in the table below. The table includes those receptors expected to experience traffic noise impacts by either approaching or exceeding the FHWA Noise Abatement Criteria or by a substantial increase in exterior noise levels as defined in the NCDOT Traffic Noise Policy.

Predicted Traffic Noise Impacts by Alternative*

Traffic Noise Impacts				
Alternative	Residential (NAC B)	Places of Worship/Schools, Parks, etc. (NAC C & D)	Businesses (NAC E)	Total
Build Condition 2040	58	0	0	58

*Per TNM 2.5 and in accordance with 23 CFR Part 772

Traffic Noise Abatement Measures

Measures for reducing or eliminating the traffic noise impacts, including noise barriers, were considered for all impacted receptors in each alternative. Noise barriers include two basic types: earthen berms and noise walls. These structures act to diffract, absorb, and reflect highway traffic noise.

Noise Barriers

A noise barrier evaluation was conducted for this project utilizing the Traffic Noise Model (TNM 2.5) software developed by the FHWA. The following table summarizes the results of the evaluation.

Preliminary Noise Barrier Evaluation Results

NSA	Noise Barrier Location	Length / Height ¹ (feet)	Square Footage	Number of Benefited Receptors	Square Feet per Benefited Receptor / Allowable Square Feet per Benefited Receptor	Preliminarily Feasible and Reasonable ("Likely") for Construction ²
NSA 3	NW 3-1 – Located along the northbound travel lanes of proposed Wayside Road.	344/10	3,444	2	1,722 / 1,500	No ³
NSA 3	NW 3-2 – Located along the northbound travel lanes of proposed Wayside Road.	315/9	2,804	2	1,402 / 1,500	No ⁴
NSA 4	NW 4-1 – Located along the southbound travel lanes of proposed Wayside Road.	569/10	5,694	4	1,424 / 1,500	No ⁴

¹Average wall height. Actual wall height at any given location may be higher or lower.

²The likelihood of a barrier's construction is preliminary and subject to change, pending completion of final design and the public involvement process.

³Barrier is not reasonable due to the quantity per benefited receptor exceeding the allowable quantity per benefited receptor OR Barrier is not reasonable due to an inability to achieve at least 7-dBA noise reduction for at least one benefited receptor.

⁴Barrier is not feasible due to engineering conflicts.

Based on this preliminary study, traffic noise abatement is not recommended, and no noise abatement measures are proposed. This evaluation completes the highway traffic noise requirements of Title 23 CFR Part 772. No additional noise analysis will be performed for this project unless warranted by a substantial change in the project's design concept or scope.

In accordance with NCDOT Traffic Noise Policy, the Federal/State governments are not responsible for providing noise abatement measures for new development for which building permits are issued after the Date of Public Knowledge. The Date of Public Knowledge of the proposed highway project will be the approval date of the Categorical Exclusion (CE). NCDOT strongly advocates the planning, design and construction of noise-compatible development and encourages its practice among planners, building officials, developers and others.

H. Project Commitments

NCDOT PROJECT COMMITMENTS

STIP Project No. **U-5753**

Wayside Road (SR 1305) / Lindsay Road (SR 1418) – U.S. 401 to Plank Road, and
Gillis Hill Road (SR 1420) to U.S. 401. Widen to multi-lanes.

Hoke County

Federal Aid Project No. N/A

WBS Element 51078.1.1

Division 8 Construction

Section 4(f) Mitigation: During construction, at least one of the two driveways accessing the Rockfish Park property will remain open for use. NCDOT will coordinate with the Hoke County Parks and Recreation Department during construction to ensure any impacts to the park's operations and activities are minimal.

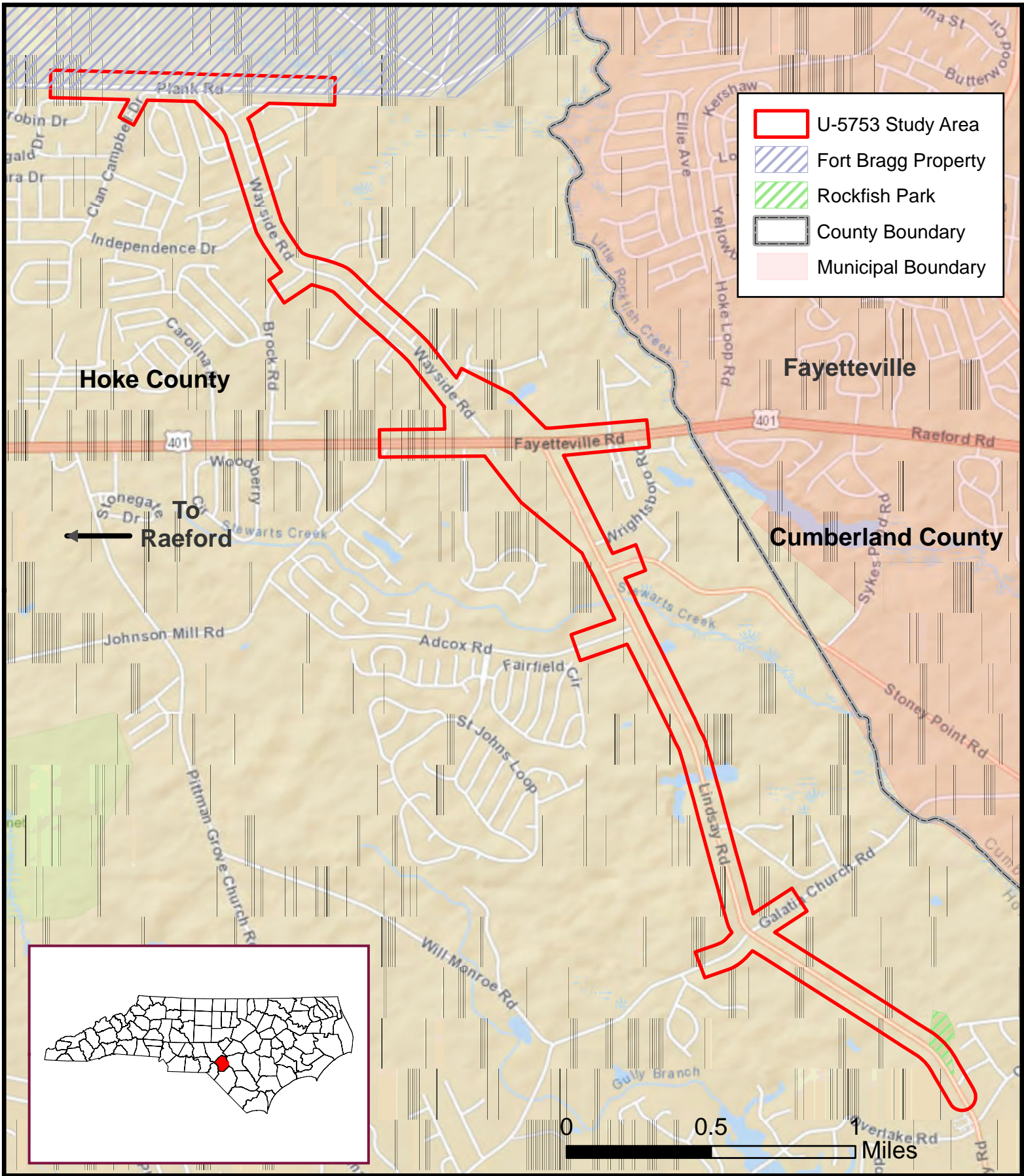
GeoEnvironmental: Sites of concern should be reviewed to determine if Phase II Investigations and Right of Way Recommendations are necessary prior to right of way being acquired.






FEMA Coordination: This project involves construction activities on or adjacent to FEMA-regulated stream(s). Therefore, the Division shall submit sealed as-built construction plans to the Hydraulics Unit upon completion of project construction, certifying that the drainage structure(s) and roadway embankment that are located within the 100-year floodplain were built as shown in the construction plans, both horizontally and vertically.

Environmental Analysis Unit, Division 8

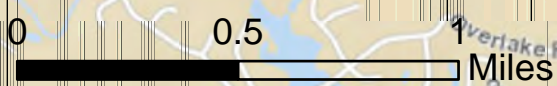
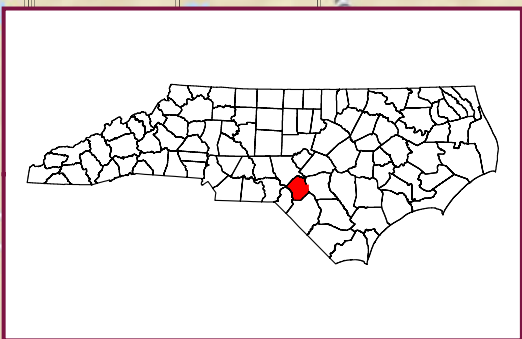
USFWS Coordination: The Environmental Analysis Unit will coordinate with USFWS to determine the need for a species survey for the Saint Francis' satyr prior to project let.

NCDOT Hydraulics Unit - FEMA Coordination: The Hydraulics Unit will coordinate with the NC Floodplain Mapping Program (FMP), to determine status of project with regard to applicability of NCDOT'S Memorandum of Agreement, or approval of a Conditional Letter of Map Revision (CLOMR) and subsequent final Letter of Map Revision (LOMR).



-  U-5753 Study Area
-  Fort Bragg Property
-  Rockfish Park
-  County Boundary
-  Municipal Boundary

← To Raeford



Prepared by




NORTH CAROLINA DEPARTMENT
 OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 PROJECT MANGEMENT UNIT



Widening of Wayside Road/Lindsay Road
 (SR 1305/SR 1418)
 From U.S. 401 to Plank Road and
 Gillis Hill Road (SR 1420) to U.S. 401
 Hoke County
 STIP No. U-5753

18-08-0004
Revised (2)

HISTORIC ARCHITECTURE AND LANDSCAPES NO HISTORIC PROPERTIES PRESENT OR AFFECTED FORM

This form supercedes those dated 25 February 2021,
28 January 2019 (U-5753) and 30 September 2019 (U-5858)

This form only pertains to Historic Architecture and Landscapes for this project. It is not valid for Archaeological Resources. You must consult separately with the Archaeology Group.

PROJECT INFORMATION

Project No.:	U-5753	County:	Hoke
WBS No.:	51078.1.1	Document Type:	Federal CE
Fed. Aid No.:		Funding:	State X Federal
Federal Permit(s):	X Yes No	Permit Type(s):	USACE
Project Description: Widen SR 1305 (Wayside Road) from Plank Road to US 401 (Fayetteville Road) and SR 1418 (Lindsay Road) to SR 1406 (Rockfish Road) (no off-site detour specified in review request). Merging of U-5858 (18-08-0003) into U-5753 with new study area (February 2021); change to federal funding (November 2021).			

SUMMARY OF HISTORIC ARCHITECTURE AND LANDSCAPES REVIEW

- There are no National Register-listed or Study Listed properties within the project's area of potential effects.
- There are no properties less than fifty years old which are considered to meet Criteria Consideration G within the project's area of potential effects.
- There are no properties within the project's area of potential effects.
- There are properties over fifty years old within the area of potential effects, but they do not meet the criteria for listing on the National Register.
- There are no historic properties present or affected by this project. (Attach any notes or documents as needed.)

Description of review activities, results, and conclusions: HPOWeb reviewed on 21 August 2018, 5 September 2019, 12-13 December 2019, 1 April 2020, and 22 February 2021 and yielded two SS and no NR, DE, LD, SL properties in the Area of Potential Effects (APE). The APE equates with the current U-5753 study area provided in the most recent review request (see attached map) and to the project description. Hoke County current GIS mapping, aerial photography, and tax information revealed a partly developed APE containing predominantly residential (about 96% of 353 resources), as well as agricultural, commercial, institutional, and governmental resources dating from the 1870s to the present, woodland, and cultivated fields (viewed 22 February 2021). About 14% of the resources pre-date 1970, of which most are unexceptional (some are also altered) examples of their types. The circa-1875 Carmichael-Lindsay House (HK0044) and the circa-1920 **Wood's Store (HK0043)** required full evaluation of National Register eligibility (see attached maps for locations). One cemetery, while not NR-eligible, is present: the Tabernacle Baptist Church of Rockfish Cemetery in Hoke County (PIN: 494850301085).

No comprehensive architectural survey exists for Hoke County, and later studies recorded only the Carmichael-Lindsay House; NCDOT's subsequent investigation of the U-5707 (18-03-0041) and U-5857 (18-03-0042) project areas identified the Wood's Store. Google Maps "Street View" and other visuals confirmed the proximity of pre-1970s resources to the proposed construction. The project is reviewed for compliance with both GS 121-12(a) and Section 106.

Commonwealth Heritage Group, Inc. carried out the investigation and evaluation of the two properties in question under the supervision of NCDOT-Historic Architecture and presented findings in separate, July 2019 technical reports. The North Carolina State Historic Preservation Office (NCHPO) reviewed the reports and determined that neither the Carmichael-Lindsay House nor Wood's Store is eligible for listing in the National Register (see attached memos). There are no NR-listed or -eligible resources in the APE. Thus, a finding of "no historic properties affected" will satisfy both GS 121-12(a) and Section 106 compliance requirements.

Should the design of the project change, please notify NCDOT Historic Architecture as additional review may be necessary.

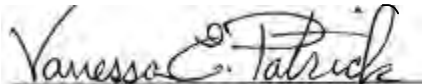
SUPPORT DOCUMENTATION

X Map(s) Previous Survey Info. Photos X Correspondence Design Plans

U-5858 and U-5707 technical reports, photographs, GIS data on file at NCDOT Historic Architecture and NCHPO; see also <https://connect.ncdot.gov>.

FINDING BY NCDOT ARCHITECTURAL HISTORIAN

Historic Architecture and Landscapes – **NO HISTORIC PROPERTIES PRESENT OR AFFECTED**



NCDOT Architectural Historian

3 November 2021
Date

U-5753, Hoke County
WBS No. 51078.1.1
Tracking No. 18-08-0004

Brief Explanation of why the available information provides a reliable basis for reasonably predicting that there are no unidentified historic properties in the APE:


The entire project study area is largely disturbed based on aerial, photographic, and soil data. The majority of the APE is characterized as agriculturally impacted with pockets of residential disturbance. There are no existing NRHP eligible archaeological sites within the projects APE, and it is unlikely to contain significant, intact, and preserved archaeological deposits. As currently proposed as a state-funded project with federal permits, no further consultation is advocated. A finding of "no archaeological survey required" is considered appropriate.

SUPPORT DOCUMENTATION

See attached: Map(s) Previous Survey Info Photos Correspondence
 Photocopy of County Survey Notes Other:

FINDING BY NCDOT ARCHAEOLOGIST

NO ARCHAEOLOGY SURVEY REQUIRED


 NCDOT

9-12-2018



NO ARCHAEOLOGICAL SURVEY REQUIRED FORM

This form only pertains to ARCHAEOLOGICAL RESOURCES for this project. It is not valid for Historic Architecture and Landscapes. You must consult separately with the Historic Architecture and Landscapes Group.



PROJECT INFORMATION

Project No: **U-5753** County: **Hoke**
 WBS No: **51078.1.1** Document: **MCC**
 F.A. No: Funding: State Federal
 Federal Permit Required? Yes No Permit Type: **USACE**

Project Description: The project involves the widening of SR 1305 (Wayside Rd) to a multi-lane facility from Plank Road to US 401 in Hoke County, North Carolina. The archaeological Area of Potential Effects (APE) encompasses all areas of potential ground disturbing activity as depicted on the attached GIS mapping.

SUMMARY OF CULTURAL RESOURCES REVIEW

Brief description of review activities, results of review, and conclusions:

Permitting and funding information was reviewed for determining the level of archaeological input required by state and federal laws. Based on the submitted "request for cultural resources review" form, the project is state-funded with federal permit interaction. As such, Section 106 of the National Historic Preservation Act will apply and the United States Army Corps of Engineers (USACE) will serve as the lead federal agency. Next, construction design and other data was examined (when applicable) to define the character and extent of potential impacts to the ground surfaces embracing the project locale.

Once an APE was outlined, a map review and site file search was conducted at the Office of State Archaeology (OSA) on Friday, September 7, 2018. No NRHP eligible archaeological sites or any other previously documented archaeological sites are located within the APE.

Examination of National Register of Historic Places (NRHP), State Study Listed (SL), Locally Designated (LD), Determined Eligible (DE), and Surveyed Site (SS) properties employing resources available on the NCSHPO website is important in establishing the location of noteworthy historic occupations related to a perspective construction impact area. A cross-check of these mapped resources concluded that none of the above properties with possible contributing archaeological components are situated within or proximal to the APE.

In addition, historic maps of Hoke County were appraised to identify former structure locations, land use patterns, cemeteries, or other confirmation of historic occupation in the project vicinity. Archaeological/historical reference materials were inspected as well. In general, the cultural background review established that no previously recorded archaeological sites, cemeteries, or NRHP listed archaeological sites are located within the APE. Based on cultural-historical factors, the APE is considered to have a low potential for the documentation of archaeological resources.

Further, topographic, geologic, flood boundary, and NRCS soil survey maps were referenced to evaluate pedological, geomorphological, hydrological, and other environmental determinants that may have resulted in past occupation at this location. Aerial and on-ground photographs (NCDOT Spatial Data Viewer) and the Google Street View map application (when amenable) were also examined/utilized for additional assessment of disturbances, both natural and human induced, which compromise the integrity of archaeological sites. Environmental/impact factors do not suggest a heightened potential for archaeological resource recovery.

Brief Explanation of why the available information provides a reliable basis for reasonably predicting that there are no unidentified historic properties in the APE:

The entire project study area is largely disturbed based on aerial, photographic, and soil data. The majority of the APE is residentially disturbed, with the remainder characterized as agriculturally impacted. There are no existing NRHP eligible archaeological sites within the projects APE, and it is unlikely to contain significant, intact, and preserved archaeological deposits. As currently proposed as a state-funded project with federal permits, no further consultation is advocated. A finding of "no archaeological survey required" is considered appropriate.

SUPPORT DOCUMENTATION

See attached: Map(s) Previous Survey Info Photos Correspondence
 Photocopy of County Survey Notes Other:

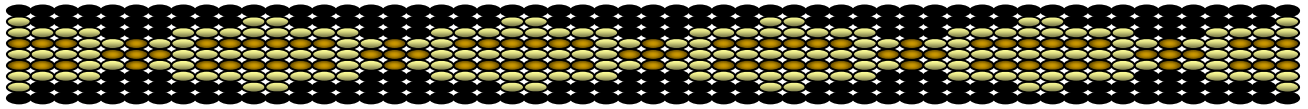
FINDING BY NCDOT ARCHAEOLOGIST

NO ARCHAEOLOGY SURVEY REQUIRED

Scott Eric Halverson

 NCDOT

9-11-2018



Catawba Indian Nation
Tribal Historic Preservation Office
1536 Tom Steven Road
Rock Hill, South Carolina 29730

Office 803-328-2427
Fax 803-328-5791

March 15, 2021

Attention: Allison K. White
NC Department of Transportation
1595 Mail Service Center
Raleigh, NC 27699

Re. THPO #	TCNS #	Project Description
2021-193-64		SR 1305 from US 401 to Plank Road and SR 1418 from US 401 to SR 1406, Widen to Multilanes in Hoke County STIP U-5753

Dear Ms. White,

The Catawba have no immediate concerns with regard to traditional cultural properties, sacred sites or Native American archaeological sites within the boundaries of the proposed project area. **However, the Catawba are to be notified if Native American artifacts and / or human remains are located during the ground disturbance phase of this project.**

If you have questions please contact Caitlin Rogers at 803-328-2427 ext. 226, or e-mail Caitlin.Rogers@catawba.com.

Sincerely,

Wenonah G. Haire
Tribal Historic Preservation Officer

Even, Darren

Subject: FW: U-5753 Rockfish Park - Section 4(f) Finding

From: James Tedder <jtedder@hokecounty.org>
Sent: Wednesday, November 10, 2021 9:44 AM
To: Even, Darren <deven@Dewberry.com>
Subject: RE: U-5753 Rockfish Park - Section 4(f) Finding

[CAUTION] External Email. DO NOT click links or open attachments unless expected. Please use the "Phish Alert" button to report all suspicious emails.

Even, After talking with our attorney and county manager we are good with the *de minimis* impact with regard to Rockfish Park.

James Tedder

Director
Hoke County Public Buildings
PO Box 299/663 East Palmer Street
Raeford, NC 28376
Mobile: 910-309-7559
Office: 910-875-4127
Fax: 910-875-8136
jtedder@hokecounty.org

From: Even, Darren
Sent: Monday, October 4, 2021 5:22 PM
To: jtedder@hokecounty.org
Cc: White, Allison K <akwhite@ncdot.gov>; Williams, Pamela R <prwilliams@ncdot.gov>; Smyre, Beth <esmyre@Dewberry.com>
Subject: U-5753 Rockfish Park - Section 4(f) Finding

Mr. Tedder,

Dewberry is working with the North Carolina Department of Transportation (NCDOT) in the engineering and environmental documentation for improvements to Lindsay Road as part of STIP Project U-5753, which will involve minor impacts to Rockfish Park immediately adjacent to the roadway. As mentioned on the phone earlier today, along this section of Lindsay Road, the proposed project will include the addition/improvement of shoulders along both sides of the facility.

Attached is a graphic showing the proposed impact to the park property from the shoulder improvements.

In order to approve the environmental document for this project, the Federal Highway Administration (FHWA) must make a determination under Section 4(f) of the USDOT Act of 1966, which deals with the impacts of federally-funded or permitted projects on publicly-owned lands. For this project, FHWA believes that the impacts to Rockfish Park constitute a *de minimis* impact under Section 4(f). In order to make the *de minimis* finding, FHWA requires concurrence from your Department, since you are the administrator of the Rockfish Park property.

If you agree with the *de minimis* finding, please respond to this email stating as such. I will provide this correspondence to FHWA for their records; this correspondence will also be attached to the environmental document (Categorical Exclusion).

If you have any questions, please don't hesitate to contact me. Thank you for your assistance with this matter.

Sincerely,
Darren Even

Darren Even, AICP

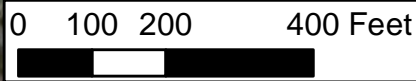
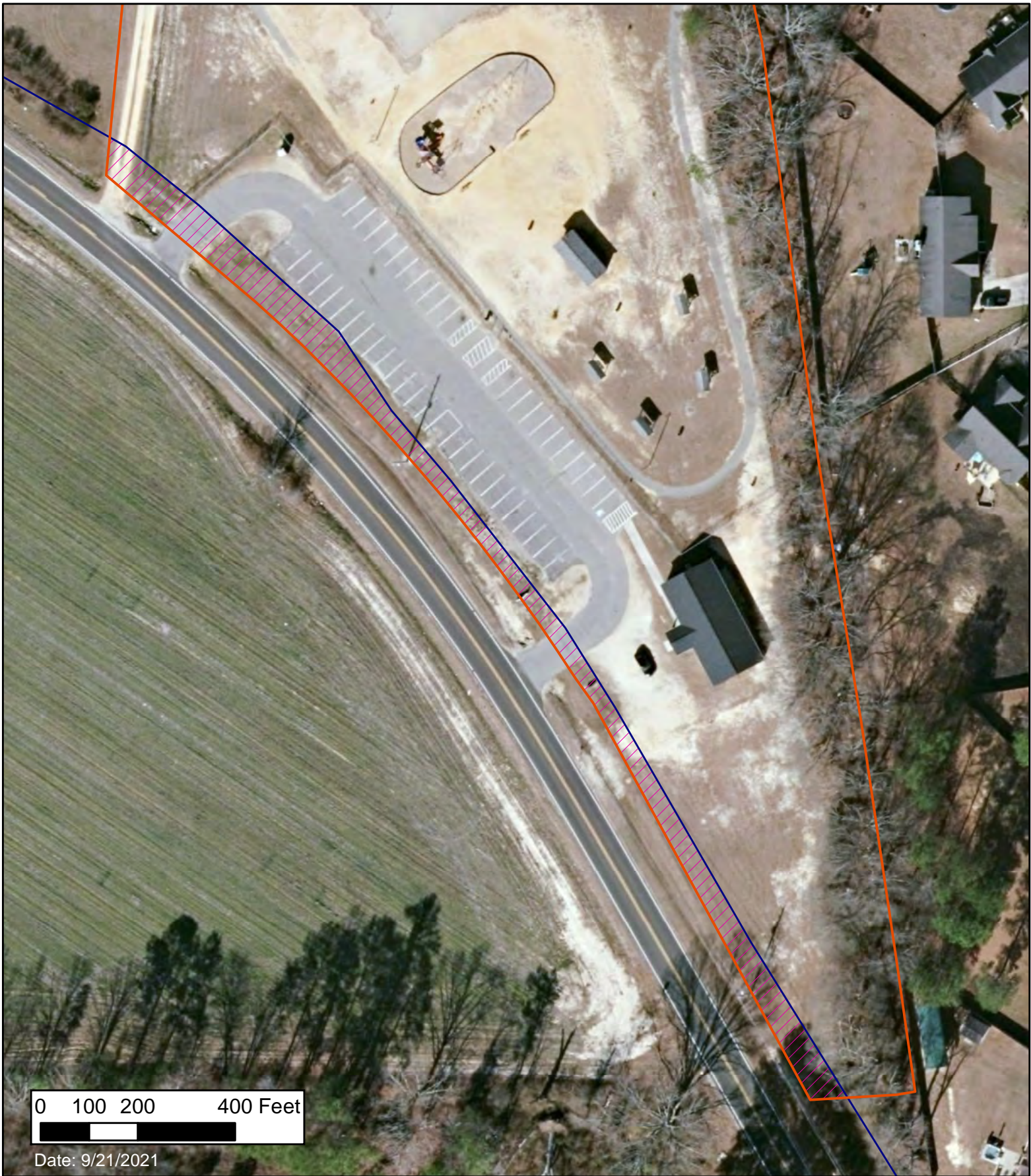
Senior Planner
9300 Harris Corners Parkway, Suite 220
Charlotte, NC 28269-3797
D 704.631.5218



www.dewberry.com

Visit Dewberry's website at www.dewberry.com If you've received this email even though it's intended for someone else, then please delete the email, don't share its contents with others, and don't read its attachments. Thank you.

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Date: 9/21/2021

Prepared for






Sources:
 NC OneMap,
 Hoke County,
 25% Design Files
 from Dewberry
 Engineers

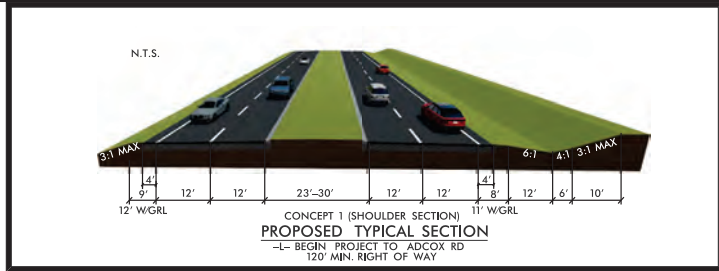
Rockfish Park, Section 4(f) Determination

N



Legend

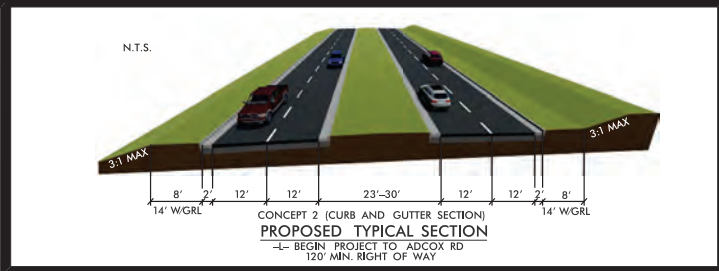
-  Park Parcel Boundary
-  Proposed ROW Line
-  Area of Acquisition



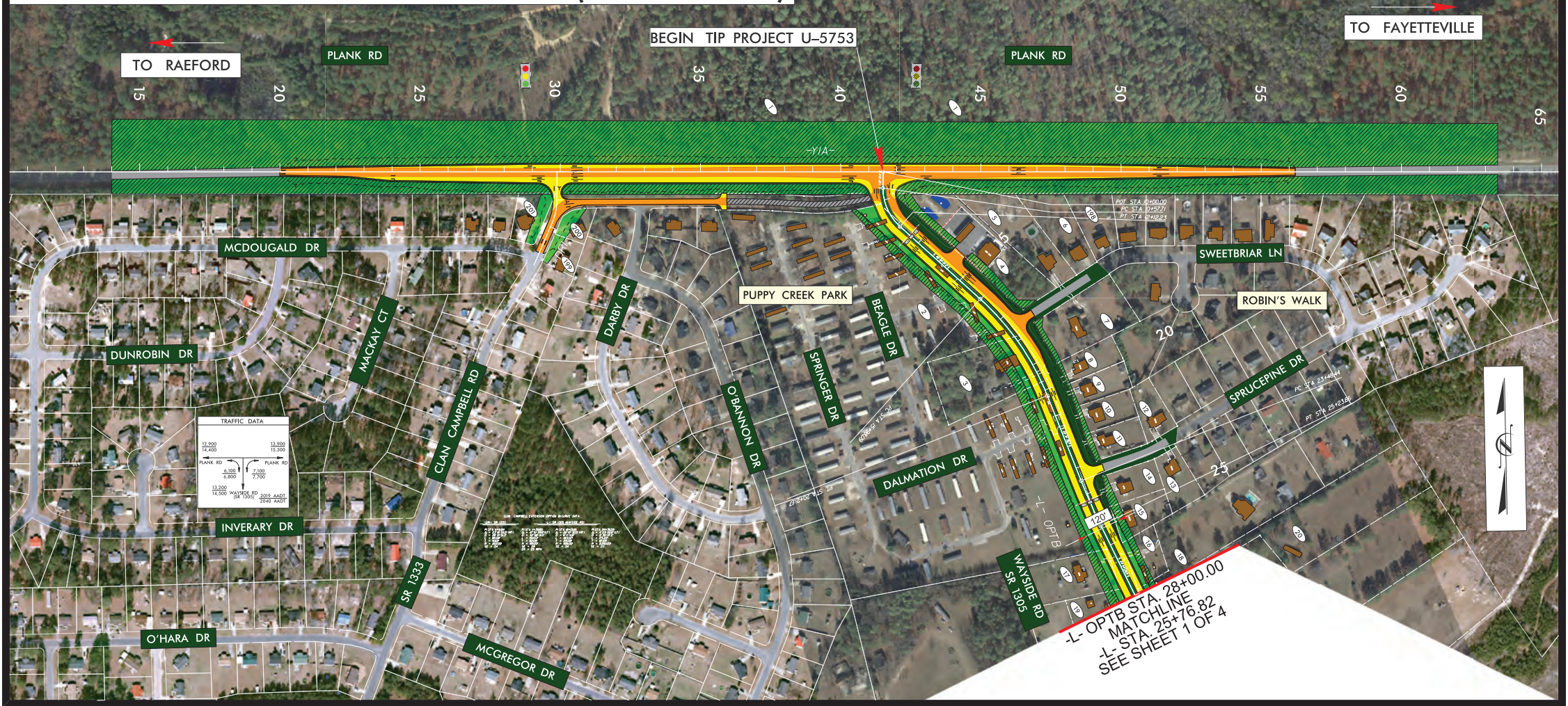
DESIGN PUBLIC MEETING MAP
PROJECT 51078.1.1/46285.1.1 (U-5753/U-5858)
HOKE COUNTY
**FROM PLANK RD ALONG WAYSIDE RD/
 LINDSAY RD TO ROCKFISH RD**



Sheet 3 of 4



CLAN CAMPBELL EXTENSION (OPTION B)



- 1 FORT BRAGG MILITARY RESERVATION
- 2 PUPPY CREEK PARK, LLC
- 3 WENDELL WOODFORD
- 4 FUEL ZONE, LLC
- 5 CHARLES WAGNER JR
- 6 DOUGLAS HEATH
- 7 SCOTT BUCKDALE
- 8 JEFFREY TAYLOR
- 9 BRUCE HABLE
- 10 BRETT ROTHER
- 11 LEO FLUITT
- 12 TIMOTHY SIEBLINK
- 13 RENAE ALLEN
- 14 INDIA RIVES
- 15 FREDRICK BASS
- 16 EDWARD THOMAS
- 17 MILDRED BRATCHER
- 18 JOHN BREACH
- 19 ANTHONY MOUZON
- 20 JESSE HORSLEY
- 21 CHRISTOPHER WEES
- 22 ALDREY J. TROELL
- 23 VEGA PECUNA-FRANCISCO
- 24 MOZELLA HARVEY

UTILITY INFORMATION:
 TO PROVIDE GREATER VISUAL CLARITY EXISTING AND PROPOSED UTILITIES ARE NOT SHOWN ON THESE MAPS OR ON OTHER DISPLAYS THE DESIGN SHOWN ON THESE MAPS ARE FUNCTIONAL AND ARE SUBJECT TO CHANGE.

IMPACTS AND DRIVEWAY TIES:
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NOTES:
 FULL CONTROL OF ACCESS IS DEFINED AS A CONNECTION TO A FACILITY PROVIDED ONLY VIA RAMPS AT INTERCHANGES. ALL CROSS-STREETS ARE GRADE-SEPARATED. NO PRIVATE DRIVEWAY CONNECTIONS ALLOWED.

PRELIMINARY PLANS
 DO NOT USE FOR CONSTRUCTION

INCOMPLETE PLANS
 DO NOT USE FOR R/F ACQUISITION

100 50 0 50 100
 (HORIZONTAL)
 ENGLISH

DESIGN DATA -L-

FUNCTIONAL CLASS = COLLECTOR
 DESIGN SPEED = 40 MPH
 MAX SUPERELEV = 4%

ORTHOPHOTO DATA

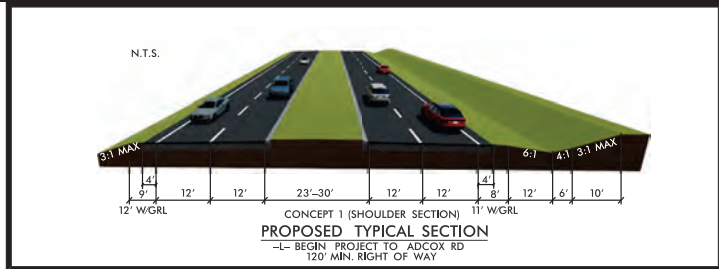
FLIGHT MISSION = M-8091
 FLIGHT DATE = 01-27-17
 NCONMAP = 12-12-17

LEGEND

- BUILDINGS
- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- PROPOSED EASEMENTS (DRAINAGE, CONSTRUCTION, AND UTILITIES)
- EXISTING ROADWAY
- EXISTING ROADWAY TO BE REMOVED
- EXISTING ROADWAY TO BE RESURFACED
- PROPOSED ROADWAY
- EXISTING STRUCTURES, ISLAND, CURB AND GUTTER TO BE RETAINED
- LAKES, RIVER, STREAMS AND PONDS
- PRESENT ADT
- PROPOSED ADT
- PROPERTY LINES
- EXISTING TRAFFIC SIGNAL
- PROPOSED TRAFFIC SIGNAL

DESIGN PUBLIC MEETING MAP
 PROJECT 51078.1.1/46285.1.1 (U-5753/U-5858)
 HOKE COUNTY
 FROM PLANK RD ALONG WAYSIDE RD/
 LINDSAY RD TO ROCKFISH RD
 Sheet 3 of 4

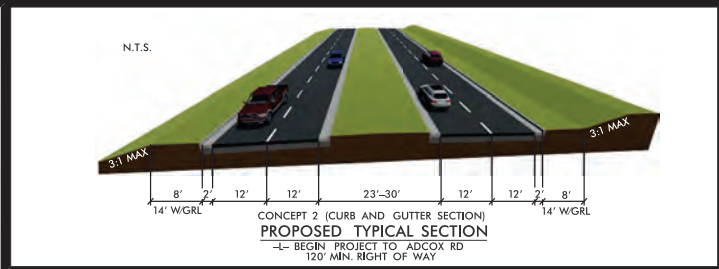
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PROJECT 51078.1.1/46285.1.1 (U-5753/U-5858)
HOKE COUNTY
**FROM PLANK RD ALONG WAYSIDE RD/
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Sheet 4 of 4



REDUCED CONFLICT INTERSECTION (OPTION B)

LEGEND

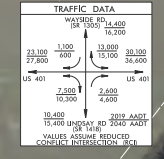
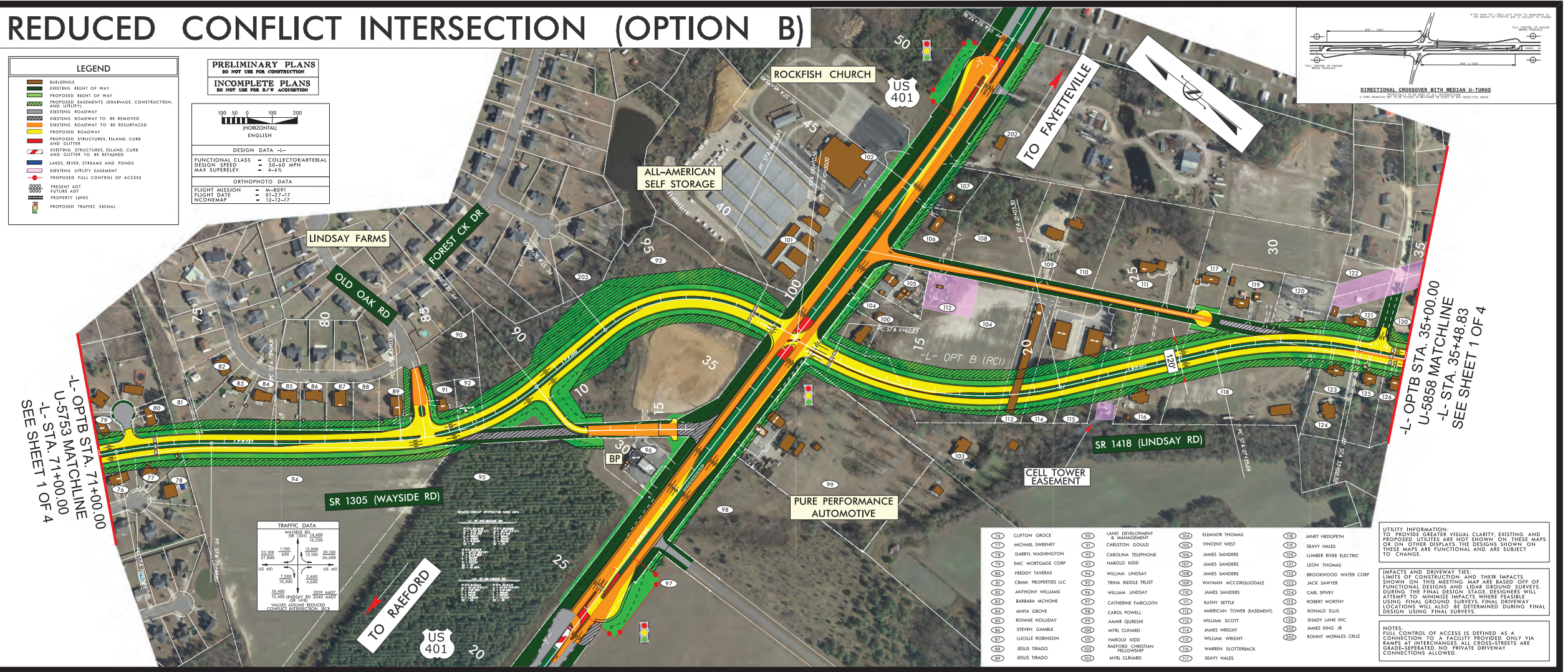
- BUILDINGS
- EXISTING RIGHT OF WAY
- PROPOSED EASEMENTS (DRAINAGE, CONSTRUCTION, AND UTILITIES)
- EXISTING ROADWAY
- EXISTING ROADWAY TO BE REMOVED
- EXISTING ROADWAY TO BE RESURFACED
- PROPOSED ROADWAY
- PROPOSED STRUCTURES, ISLAND, CURB AND GUTTER
- EXISTING STRUCTURES, ISLAND, CURB AND GUTTER TO BE RETAINED
- EXISTING UTILITY EASEMENT
- PROPOSED FULL CONTROL OF ACCESS
- PRESENT ADT
- FUTURE ADT
- PROPERTY LINES
- PROPOSED TRAFFIC SIGNAL

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

DESIGN DATA -L-
 FUNCTIONAL CLASS - COLLECTOR/ARTERIAL
 DESIGN SPEED - 30-40 MPH
 MAX SUPERELEV - 4+5%

ORTHOPHOTO DATA
 FLIGHT MISSION - M-8091
 FLIGHT DATE - 01-27-17
 MCCONMAP - 12-12-17



- | | | | |
|------------------------|----------------------------------|------------------------------|--------------------------|
| 61 CLIFTON GROCE | 62 LAND DEVELOPMENT & MANAGEMENT | 63 ELEANOR THOMAS | 64 JANET HEDGPETH |
| 65 MICHAEL SWEENEY | 66 CARLSTON GOULD | 67 VINCENT WEST | 68 SEAVY HALES |
| 69 DARRYL WASHINGTON | 70 CAROLINA TELEPHONE | 71 JAMES SANDERS | 72 LUMBER RIVER ELECTRIC |
| 73 ENAC MORTGAGE CORP | 74 HAROLD KIDD | 75 JAMES SANDERS | 76 LEON THOMAS |
| 77 FREDDY TAVERAS | 78 WILLIAM LINDSAY | 79 JAMES SANDERS | 80 BROOKWOOD WATER CORP |
| 81 CBMA PROPERTIES LLC | 82 TRINA RIDDLE TRUST | 83 WAYMAN MCCORQUODALE | 84 JACK SAWYER |
| 85 ANTHONY WILLIAMS | 86 WILLIAM LINDSAY | 87 JAMES SANDERS | 88 CARL SPIRY |
| 89 BARBARA MICHONE | 90 CATHERINE FARCLOTH | 91 KATHY SETTLE | 92 ROBERT WORTHY |
| 93 ANITA GROVE | 94 CAROL POWELL | 95 AMERICAN TOWER (BASEMENT) | 96 RONALD TELUS |
| 97 RONNIE HOLLIDAY | 98 AMIR QURESHI | 99 WILLIAM SCOTT | 100 SANDY LAKE INC |
| 101 STEVEN GAMBLE | 102 MYRL CLINARD | 103 JAMES WRIGHT | 104 JAMES KING JR |
| 105 LUCILLE ROBINSON | 106 HAROLD KIDD | 107 WILLIAM WRIGHT | 108 RONNY MORALES CRUZ |
| 109 JESUS TRADO | 110 RAEFORD CHRISTIAN FELLOWSHIP | 111 WARREN SLOTTERRACK | |
| 113 JESUS TRADO | 114 MYRL CLINARD | 115 SEAVY HALES | |

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