

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

SECRETARY

November 16, 2023

U. S. Army Corps of Engineers

Charlotte Regulatory Field Office

8430 University Executive Park Drive, Suite 615

NC Division of Water Resources

Transportation Permitting Branch
610 East Center Avenue, Suite 401

Charlotte, North Carolina 28262 Mooresville NC 28115

ATTN: Mr. Steve Brumagin, Ms. Beth Plummer

NCDOT Coordinator NCDOT Coordinator

Subject: Application for Section 404 General Permit 201902350 and Section 401 Water

Quality Certification for the Proposed widening of East John Street-Old Monroe Road (SR-1009) to a multi-lane facility from Trade Street (SR-3448/SR-3474) to east of SR 1377 (Wesley Chapel-Stouts Road) in Mecklenburg and Union Counties, North

Carolina; TIP No. U-4714; WBS 39078.1.2 & 39078.1.6.

Dear Sir and Madam:

The North Carolina Department of Transportation (NCDOT) proposes the widening of East John Street-Old Monroe Road (SR-1009) to a multi-lane facility from Trade Street (SR-3448/SR-3474) to east of SR 1377 (Wesley Chapel-Stouts Road).

This is a phased permit application consisting of three sections. Sections AC and B are final, and letting in February 2025, and Section AA is preliminary at this time, with a tentative letting date of October 2029.

As a result of the widening and improvements in Sections AC and B, there will be a total of 1,759 linear feet (lf) of stream impacts (1,389 lf permanent fill, 36 lf permanent bank stabilization, and 334 lf temporary), 0.48 acre (ac) of wetland impacts (0.38 ac permanent, 0.1 ac temporary) and 1.08 ac of open water impacts.

• U-4714AC:

- O Stream: 917 If permanent (881 If of fill + 36 If bank stabilization) and 93 If (1.08 ac) temporary impacts
- Wetland: 0.34 ac permanent and 0.03 ac temporary impacts
- Open Water: 0.01 ac permanent and 1.07 ac temporary impacts

• U-4714B:

- O Stream: 508 If permanent and 241 If (0.03 ac) temporary impacts
- Wetland: 0.04 ac permanent and 0.07 ac temporary impacts (0.06 from construction + 0.01 from utility relocation)

Please see enclosed copies of the Pre-Construction Notification (PCN), Stormwater Management Plan (SMP), Final Permit Drawings for Sections AC and B, Preliminary Permit Drawings for Section AA, Division of Mitigation Services (DMS) mitigation acceptance letters, Protected Species Info, and Cultural

Telephone: (919) 707-6000

Customer Service: 1-877-368-4968

Website: www.ncdot.gov

Resource Documents. An Environmental Assessment (EA) was completed in July 2016 and a Finding of No Significant Impact (FONSI) was completed in June 2018 and distributed shortly thereafter. Additional copies of the EA and FONSI are available upon request.

This project calls for a letting date of February 18, 2025.

A copy of this permit application and its distribution list will be posted on the NCDOT Website at: http://connect.ncdot.gov/resources/Environmental. If you have any questions or need additional information, please call Erin Cheely at (919) 707-6108.

Sincerely,

Michael A. Turchy

Environmental Coordination and Permitting Group Leader

ec: NCDOT Permit Application Standard Distribution List

Pre-Construction Notification





Pre-Construction Notification (PCN) Form

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

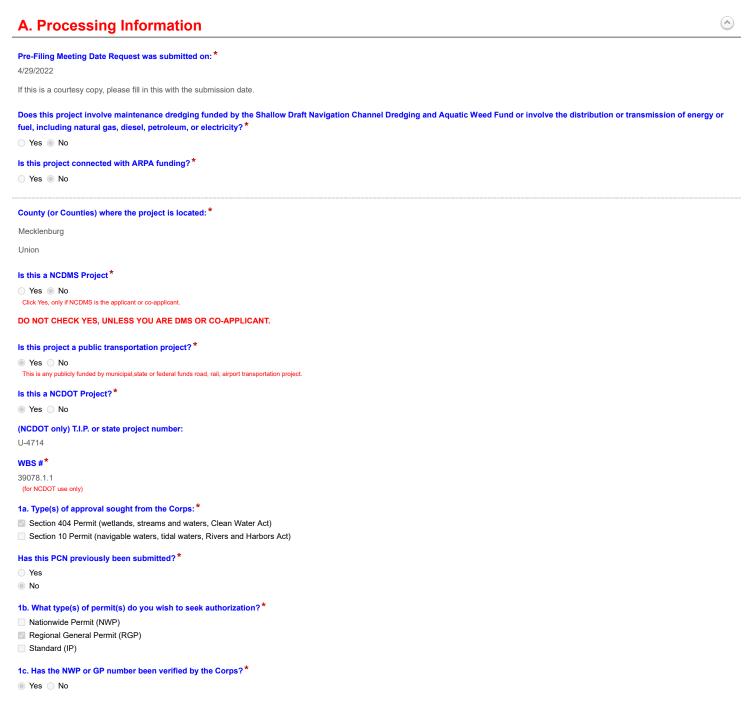
October 2, 2023 Ver 4.3

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



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	☐ 401 Water Quality Certification - Express
Non-404 Jurisdictional General Permit	Riparian Buffer Authorization
☐ Individual 401 Water Quality Certification	
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	
1g. Is payment into a mitigation bank or in-lieu fee program If so, attach the acceptance letter from mitigation bank or in-lieu fee program.	proposed for mitigation of impacts?
YesNo	
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 cour	nties?*
○ Yes	
1j. Is the project located in a designated trout watershed?* Yes No	
Link to trout information: http://www.saw.usace.army.mil/Mission	ns/Regulatory-Permit-Program/Agency-Coordination/Trout.aspx
P. Applicant Information	
B. Applicant Information	
1a. Who is the Primary Contact?*	
Erin Cheely	
1b. Primary Contact Email: *	1c. Primary Contact Phone: * (xxx)xxx-xxxx
ekcheely@ncdot.gov	(919)707-6108
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	
1598 Mail Service Center Address Line 2	
City	State / Province / Region
Raleigh	NC County
Postal / Zip Code 27699-1598	Country US
2e. Telephone Number: *	
2e. Telephone Number: (xxx)xxx-xxxx	
(919)707-6157	

2f. Fax Number: (xxx)xxx-xxxx 2g. Email Address: * maturchy@ncdot.gov 3. Applicant Information (if different from owner) 3a. Name: * Erin Cheely 3b. Business Name: (if applicable) 3c. Address * Street Address 1598 Mail Service Center Address Line 2 City State / Province / Region Raleigh NC Postal / Zip Code Country 27699-1598 US 3d. Telephone Number: * 3e. Fax Number: (919)707-6108 (xxx)xxx-xxxx (xxx)xxx-xxxx 3f. Email Address: * ekcheely@ncdot.gov C. Project Information and Prior Project History 1. Project Information 1a. Name of project: * U-4714: SR 1009 (John St.-Old Monroe Rd.), Widen/Improve from SR 3448-SR-3474 (Trade St.) to E. of SR 1377 (Wesley Chapel-Stouts Rd) 1b. Subdivision name: (if appropriate) 1c. Nearest municipality / town: * Matthews, Stallings, and Indian Trail 2. Project Identification 2a. Property Identification Number: 2b. Property size: (in acres) (tax PIN or parcel ID) 2c. Project Address Street Address City State / Province / Region Postal / Zip Code 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: * Longitude: * 35.059718 -80.662431 ex: 34.208504 -77.796371 3. Surface Waters 3a. Name of the nearest body of water to proposed project: *

Fourmile Creek

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

С

Surface Water Lookup

3c. What river basin(s) is your project locate	ed in?*					
Catawba						
Yadkin-PeeDee						
3d. Please provide the 12-digit HUC in which 03050103, 03040105	the project is located.*					
River Basin Lookup						
4. Project Description and H	istory					
The project is located within a highly urbanized PSA. Forested areas persist along streams and	site and the general land use in the vicinity of the project at the time of this application: * area, with paved roadways with maintained shoulders among heavy residential and commercial/industrial use along large portions of the near the I-485 interchange. The southern end of the PSA has segments that are more rural, comprised of wooded forests and ag. fields to commercial/industrial at Wesley Chapel Stouts Road.					
4b. Have Corps permits or DWR certification Yes No Unknown	s been obtained for this project (including all prior phases) in the past? *					
4f. List the total estimated acreage of all exists 4.2	sting wetlands on the property:					
4g. List the total estimated linear feet of all e (intermittent and perennial) 20,702	xisting streams on the property:					
daily along East John Street-Old Monroe Road not adequately serve bicyclists and pedestrians	g and projected traffic flow and operational efficiency on this section of East John Street-Old Monroe Road (SR-1009). Heavy traffic occurs through the project study area, and capacity deficiencies result in frequent congestion and delays. In addition, the existing roadway does. The proposed project would address the need to increase capacity for vehicles and enhance mobility for pedestrians and bicyclists along and projected traffic flow and operational efficiency on this section of East John Street-Old Monroe Road. Another desirable outcome for					
i. Describe the overall project in detail, including indirect impacts and the type of equipment to be used: * he NCDOT proposes to widen the existing two-lane East John Street-Old Monroe Road (SR 1009) to a multi-lane facility from Trade Street (SR 3448-SR 3474) in the Town of Matthews Mecklenburg County to Wesley Chapel-Stouts Road (SR 1377) in the Town of Indian Trail in Union County. The project is approximately 6.5 miles long.						
The project is included in the North Carolina De 2016) as STIP No. U-4714.	partment of Transportation's (NCDOT) current federally-approved 2016-2025 State Transportation Improvement Program (STIP) (January					
* U-4714B - SR-1009 (John St Old Monroe F Chapel - Stouts Rd.)	Rd.) from East of I-485 to West of Morningside Meadow Lane. kd.) from West to Morningside Meadow Lane to East of SR-1377 (Wesley d Monroe Rd.) from SR-3448/SR-3474 (Trade St.) to I-485.					
Construction activities include earth removal, habulldozers, and cranes will be used.	auling, grading, and paving. Standard road building equipment, such as trucks,					
5. Jurisdictional Determinati	ons					
5a. Have the wetlands or streams been delin	eated on the property or proposed impact areas?*					
Yes	○ No ○ Unknown					
Comments:						
5b. If the Corps made a jurisdictional determ Preliminary Approved Not Verified	ination, what type of determination was made?* Unknown N/A					
Corps AID Number: Example: SAW-2017-99999						
5c. If 5a is yes, who delineated the jurisdiction	onal areas?					
Name (if known):	Matthew Thomas/Ben Cogdell; Jeff Harbour/Lauren Roper; Sara Easterly, R. Dugger					
Agency/Consultant Company:	Atkins; Env. Services Inc.; HDR					
Other:						
6. Future Project Plans						
6a. Is this a phased project?* © Yes	○ No					

6b. If yes, explain.

NCDOT intends to phase this project to construct segments AC & B. Segment AA is not yet funded and would not be constructed within the near future (>5 years). When funding becomes available for segment AA, NCDOT will request a permit modification that includes the details of this segment (based on final design) and any required mitigation that may be required to accommodate this modification.

Preliminary permit drawings for Section AA are included with this application. At this time Section AA is estimated to have 223 linear feet of permanent stream impacts and 61 linear feet (<0.01ac) of temporary stream impacts.

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.

U-4714AB - Interchange with I-485 has already permitted and under construction. (Regional General Permit: 198200031 - NCDOT Bridges, Widening Projects 2015) (SAW-2019-01774)

This U-4714AB interchange section was determined to have independent utility by the USACE and was permitted separately and not phased with the remaining sections of U-4714.

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 Jurisdicition*	2g. Impact area *
AC: Site 5	Roadway Fill	Р	Non-Tidal Freshwater Marsh	WK	No	Corps	0.031 (acres)
AC: Site 7	Roadway Fill	Р	Headwater Forest	WL	Yes	Corps	0.277 (acres)
AC: Site 7	Roadway Fill (Mech. Clearing)	Р	Headwater Forest	WL	Yes	Corps	0.009 (acres)
AC: Site 8	Roadway Fill (Mechanized Clearing)	Р	Headwater Forest	WM	Yes	Corps	0.001 (acres)
AC: Site 8	Roadway Fill (Hand Clearing)	Т	Headwater Forest	WM	Yes	Corps	0.026 (acres)
AC: Site 9	Outlet Channel (Mechanized Clearing)	Р	Headwater Forest	WN	Yes	Corps	0.003 (acres)
AC: Site 9	Outlet Channel (Hand Clearing)	Р	Headwater Forest	WN	Yes	Corps	0.021 (acres)
B: Site 3c	2-6' x 6' RCBC	Р	Headwater Forest	wo	Yes	Corps	0.001 (acres)
B: Site 3c Hand Clearing	2-6' x 6' RCBC (Hand Clearing)	Т	Headwater Forest	wo	Yes	Corps	0.063 (acres)
B: Site 4	36" RCP	Р	Headwater Forest	WP	Yes	Corps	0.010 (acres)
B: Site 4	36" RCP	Р	Headwater Forest	WP	Yes	Corps	0.026 (acres)
B: Utility: Site 1	Waterline Relocation	Т	Headwater Forest	wo	Yes	Corps	0.002 (acres)
B: Utility: Site 2	Waterline Relocation	Т	Headwater Forest	wo	Yes	Corps	0.001 (acres)
B: Utility: Site 3	Waterline Relocation	Т	Headwater Forest	wo	Yes	Corps	0.002 (acres)
B: Utility: Site 4	Waterline Relocation	Т	Headwater Forest	wo	Yes	Corps	0.001 (acres)

2g. Total Temporary Wetland Impact

0.095

2g. Total Permanent Wetland Impact

0.379

2g. Total Wetland Impact

2i. Comments:

U-4714 AC = Wetlands: 0.33 Permanent Fill, 0.01 Mechanized Clearing, 0.03 Hand Clearing = 0.34 Permanent/0.03 Temporary

U-4714 B = Wetlands: 0.01 Permanent Fill, 0.03 Excavation, 0.06 Hand Clearing = 0.04 Permanent/0.07 (0.06 Temporary + 0.008 Utilities)

No Utility impacts associated with U-4714 AC.

Utility impacts associated with U-4714 B are incorporated into totals above, actual numbers per site are below. Impacts are temporary excavation, as excavation will be set to the side and then placed back into the hole.

Site 1: 0.0021 ac Site 2: 0.0019 ac Site 3: 0.0023 ac

Site 4: 0.0017 ac === Totaling: 0.008 ac

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 *	3h. Impact length*
S1	AC: Site 1a - Extend 2 @ 5'x6' RCBC	Permanent	Culvert	SH	Perennial	Both	12.000 Average (feet)	96.000 (linear feet)
S2	AC: Site 1a - Extend 2 @ 5'x6' RCBC	Temporary	Culvert	SH	Perennial	Both	12.000 Average (feet)	37.000 (linear feet)
S3	AC: Site 1b - Inlet Channel	Permanent	Fill	SH	Perennial	Both	12.000 Average (feet)	43.000 (linear feet)
54	AC: Site 1c - Outlet Channel	Permanent	Fill	SH	Perennial	Both	12.000 Average (feet)	38.000 (linear feet)
S5	AC: Site 2a - Roadway Fill	Permanent	Fill	SN	Perennial	Both	10.000 Average (feet)	395.000 (linear feet)
36	AC: Site 2a - Roadway Fill	Temporary	Fill	SN	Perennial	Both	10.000 Average (feet)	8.000 (linear feet)
S7	AC: Site 3a - 66" Pipe	Permanent	Culvert	so	Intermittent	Both	9.000 Average (feet)	138.000 (linear feet)
S8	AC: Site 3b - Inlet Channel	Temporary	Culvert	so	Intermittent	Both	9.000 Average (feet)	12.000 (linear feet)
39	AC: Site 3b - Inlet Channel	Permanent	Excavation	so	Intermittent	Both	9.000 Average (feet)	43.000 (linear feet)
S10	AC: Site 3c - Outlet Channel	Temporary	Bank Stabilization	so	Intermittent	Both	9.000 Average (feet)	13.000 (linear feet)
S11	AC: Site 4a - 42" Pipe	Permanent	Culvert	SP	Intermittent	Both	6.000 Average (feet)	27.000 (linear feet)
S12	AC: Site 4a - 42" Pipe	Temporary	Culvert	SP	Intermittent	Both	6.000 Average (feet)	14.000 (linear feet)
S13	AC: Site 4b - Outlet Channel	Permanent	Fill	SP	Intermittent	Both	6.000 Average (feet)	31.000 (linear feet)
S14	AC: Site 6a - Roadway Fill	Permanent	Fill	SQ	Intermittent	Both	7.000 Average (feet)	28.000 (linear feet)
S15	AC: Site 6b - Outlet Channel	Temporary	Excavation	SQ	Intermittent	Both	7.000 Average (feet)	9.000 (linear feet)
S16	B: Site 1 - 72" RCP	Permanent	Fill	SR	Intermittent	Both	7.000 Average (feet)	235.000 (linear feet)
S17	B: Site 1 - 72" RCP	Temporary	Dewatering	SR	Intermittent	Both	7.000 Average (feet)	88.000 (linear feet)
S18	B: Site 2 - 24" RCP	Permanent	Culvert	ST	Intermittent	Both	5.000 Average (feet)	73.000 (linear feet)
S19	B: Site 2 - 24" RCP	Temporary	Dewatering	ST	Intermittent	Both	5.000 Average (feet)	23.000 (linear feet)
S20	B: Site 3a - 2'-6' x 6' RCBC	Permanent	Culvert	SV	Intermittent	Both	4.000 Average (feet)	10.000 (linear feet)

S21	B: Site 3a - 2'-6' x 6' RCBC	Temporary	Dewatering	SV	Intermittent	Both	4.000 Average (feet)	112.000 (linear feet)
S22	B: Site 3b - 2'-6' x 6' RCBC	Permanent	Culvert	SW	Intermittent	Both	8.000 Average (feet)	162.000 (linear feet)
S23	B: Site 3b - 2'-6' x 6' RCBC	Temporary	Dewatering	SW	Intermittent	Both	8.000 Average (feet)	18.000 (linear feet)
S24	AC: Site 3c - Outlet Bank Stabilization	Permanent	Bank Stabilization	SO	Intermittent	Both	9.000 Average (feet)	36.000 (linear feet)
S25	AC: Site 6b - Outlet Channel	Permanent	Fill	SQ	Intermittent	Both	7.000 Average (feet)	42.000 (linear feet)
S26	B: Site 5 - Armoring	Permanent	Stabilization	SY	Perennial	Both	5.000 Average (feet)	28.000 (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:

1,425

3i. Total temporary stream impacts:

334

3i. Total stream and ditch impacts:

1759

3j. Comments:

U-4714 AC = Streams: 917 If Permanent (of which 36' is from bank stabilization), 93 If (1.08 ac) Temporary Impacts

U-4714 B = Streams: 508 If Permanent, 241 If (0.03 ac) Temporary Impacts

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*	To: Hatorbody type	4f. Impact area *
AC: Site 2b - Pond	RCP - IV Outlet	Р	OW2	Fill	Pond	0.01 (acres)
AC: Site 2b - Pond	Construction Access	Т	OW2	Dewatering	Pond	1.07 (acres)

4g. Total temporary open water Impacts:

1.07

4g. Total permanent open water impacts:

0.01

4g. Total open water impacts:

1.08

4h. Comments:

Pond actual numbers = 0.005 ac Permanent impacts; 1.07 ac Temporary impact.

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: *

BMPs that will be used include the promotion of sheet flow and infiltration with grassed shoulders except were shoulder berm gutter is required, drainage systems outlet to riprap pads or riprap lined ditches, and riprap on embankments to prevent erosion where ditches enter streams.

For section AC, there is one proposed major structure involved with the improvements to East John Street, which is to be constructed at existing stream crossing locations. The major structure, along UT to Fourmile Creek, is a 2@5'x6' Reinforced Concrete Box Culvert extension with a beveled headwall. The culvert is to be extended both upstream and downstream. The upstream culvert extension will require a channel realignment to smoothly tie the existing channel with the culvert extension. This structure has been designed to have as little environmental and surface water impacts as possible. Velocities at jurisdictional features and wetlands are non-erosive. Velocities at jurisdictional features and wetlands are non-erosive. Other measures used throughout the project to avoid or minimize water quality impacts include the use of 2:1 slopes, burial of inverts in jurisdictional areas, and bank stabilization added to outlet channels.

AC Utilities: The proposed 16" water line relocation produces the least amount of environmental impacts for crossing wetland.

Section B: Existing drainage systems within the project limits connected to systems outside of the

ROW will be modified to account for the road widening and tie to the existing pipes of each system. Appropriately sized rip rap aprons and/or outfall channel improvements including rip rap lined channels will be constructed at all outfalls to mitigate any potential erosion due to increased flows. There are several existing dry detention basins along -L-(Old Monroe Road) and -Y22- (Wesley Chapel Stouts Road), the proposed roadway improvements will not discharge to these basins. Some of the existing basins currently discharge through the roadside drainage systems in NCDOT ROW, the proposed systems will continue to convey water from these basins to the same outfall points.

The first permitted site is at approximately -L- Sta. 15+55 and will replace a 36" RCP cross pipe that carries a small tributary to Davis Mine Creek with a 72" RCP pipe that is buried 1'. The replacement pipe will be skewed to better align with the channel. Inlet and outfall improvements with riprap placed on the side slopes of the channel will mitigate erosion issues for this site. The second site will be at approximately -L- Sta. 118+10 and will consist of the removal of a 24" cross pipe conveying a small tributary to Price Mill Creek. A new drainage system with an outfall approximately 60' downstream from the current outfall will replace the existing cross pipe. A rip rap pad will be placed at the outfall to control outfall velocities and minimize potential erosion to the receiving channel. The third site will be located at -L- Sta. 149+20 and is located at a 54" RCP cross pipe at the confluence of two additional unnamed tributaries to Price Mill Creek. The single 54" pipe will be replaced with a dual 6'x6' RCBC that is buried 1'. Inlet and outfall improvements with riprap placed on the side slopes of the channel will mitigate potential erosion issues for this site. The fourth site is conveying a small tributary to South Fork

Crooked Creek at approximately -L- Sta. 198+50 and will replace a 24" RCP cross pipe with a 36" RCP pipe including a rip rap outlet pad. The outfall channel is in a wetland and will be widened and regraded to lower velocities and minimize potential erosion. And the last site is at -Y22- Sta. 0+51 where an existing roadside ditch will be reconstructed with a rip rap lining which outfalls to the downstream end of a dual 30" pipe culvert. This last site is also a small tributary to South Fork Crooked Creek.

Section B Utilities: The proposed 16" water line relocation produces the least amount of environmental impacts for crossing wetland.

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

NCDOT's Best Management Practices (BMP) for Construction and Maintenance Activities and Protection of Surface Waters will be adhered to. Erosion control devices such as silt fence, rock inlet sediment traps, slope drains, clean water diversions, and silt bags will be utilized as applicable. Hand clearing in wetland utilized where possible to reduce permanent impacts. Conservation measures to avoid adverse effects to bats during construction will also be implemented (see USFWS Concurrence letter).

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

2a. Does the project require Comp	ensatory Mitigation for impacts to Wa	ters 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	n-lieu fee program 🦳 Permittee Respons	sible Mitigation
4. Complete if Making	a Payment to In-lieu Fee	e Program
4a. Approval letter from in-lieu fee	program is attached.	
Yes O No		
4b. Stream mitigation requested:		
(linear feet)		4c. If using stream mitigation, what is the stream temperature:
1389		warm
NC Stream Temperature Classification	on Maps can be found under the Mitigation	on Concepts tab on the Wilmington District's RIBITS website.
4d. Buffer mitigation requested (D	WR only):	4e. Riparian wetland mitigation requested:
(square feet)		(acres)
0		0.38
4f. Non-riparian wetland mitigation	n requested:	4g. Coastal (tidal) wetland mitigation requested:
(acres)		(acres)
0		0
4h. Comments		

No mitigation is required for the stream bank stabilization or temporary stream impacts as these impacts do not constitute a loss of waters of the U.S.

6a. Will the project result in an impact within a protected riparian buffer that requires buffer mitigation? If yes, you must fill out this entire form - please contact DWR for more information.

6. Buffer mitigation (State Regulated Riparian Buffer Rules) - required by DWR

No

Yes

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 or	e of the NC Riparian Buffer Protection Rules?
Yes	No	
For a list of options to meet the diffuse flow requ	irements, click here.	
If no, explain why: The water resources within the project area are	located in the Catawba basin but not along the mai	n stem of the Catawba River.
2. Stormwater Management	Plan	
2a. Is this a NCDOT project subject to compl	iance with NCDOT's Individual NPDES permit N	C\$000250?*
⊚ Yes ○ No	•	
Comments:		
G. Supplementary Inform	nation	
1. Environmental Documenta	ation	
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 Environmental Policy Act (NEPA/SEPA)?*	the project require preparation of an environm	ental document pursuant to the requirements of the National or State (North Carolina)
Yes	○ No	
		Clearing House? (If so, attach a copy of the NEPA or SEPA final approval letter.)*
Yes	○ No	
2. Violations (DWR Requiren	nent)	
2a. Is the site in violation of DWR Water Qua Riparian Buffer Rules (15A NCAC 2B .0200)?		lated Wetland Rules (15A NCAC 2H .1300), or DWR Surface Water or Wetland Standards or
○ Yes	No	
3. Cumulative Impacts (DWR	Requirement)	
3a. Will this project (based on past and reason	onably anticipated future impacts) result in addi	tional development, which could impact nearby downstream water quality?*
○ Yes	No	
3b. If you answered "no," provide a short na	rrative description.	
	ty of development activities. Land use will continue he project is generally consistent with local land us ould adhere to local stormwater rules.	
plane. Any additional development in the died in	ould duffore to food stofffwater fulles.	
4. Sewage Disposal (DWR Re	equirement)	
4a. Is sewage disposal required by DWR for	this project?*	
○ Yes ○ No ◎ N/A		
5. Endangered Species and	Designated Critical Habitat (Co	rps 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 conc		
Yes For If you indicate the USEWS Field Office was	○ No	
5c. If yes, indicate the USFWS Field Office you Asheville	ou nave contacted.	
5d. Is another Federal agency involved?*		
Yes	○ No	○ Unknown

What Federal Agency is involved?

FHWA

5e. Is this a DOT project located within Division's 1-8?* Yes No
5f. Will you cut any trees in order to conduct the work in waters of the U.S.?* ⊚ Yes ○ No
5g. Does this project involve bridge maintenance or removal? * ○ Yes ◎ No
Link to the NLEB SLOPES document: http://saw-reg.usace.army.mil/NLEB/1-30-17-signed_NLEB-SLOPES&apps.pdf
5h. Does this project involve the construction/installation of a wind turbine(s)?** Yes No
5i. Does this project involve (1) blasting, and/or (2) other percussive activities that will be conducted by machines, such as jackhammers, mechanized pile drivers, etc.? * No
5j. What data sources did you use to determine whether your site would impact Endangered Species or Designated Critical Habitat?* The FHWA is the lead federal agency for this project.
IPaC, North Carolina Natural Heritage Program data explorer, and the June 2018 Findings Of No Significant Impact (FONSI) were used. A biological conclusion of No Effect was rendered for Michaux's sumac, Schweinitiz's Sunflower, Smooth Coneflower, and Carolina heelsplitter. Section 7 informal concurrence/conference for the Proposed Endangered tricolored bat was requested September 19, 2023. The USFWS concurred with a May Affect, Not Likely to Adversely Affect (MANLAA) biological conclusion for the tricolored bat on November 15, 2023. See attached USFWS concurrence letter for a list of conservation measures to be implemented during construction for this project, including limiting tree clearing to only occur between October 16 – March 31 of any given year.
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? * National Oceanic and Atmospheric Administration Essential Fish Habitat Mapper
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/hpoweb/
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
7b. What data sources did you use to determine whether your site would impact historic or archeological resources?* The State Historic Preservation Office (SHPO) Historic Properties Map, June 2018 FONSI, and correspondence letters with SHPO (see attached) were used to make a determination. No historic properties or significant archaeological resources will be impacted by this project.
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:
8c. What source(s) did you use to make the floodplain determination?* FEMA Mapping
There are only two locations along the project corridor where East John Street-Old Monroe Road crosses a stream located within a FEMA regulated special flood hazard area (SFHA). The two streams with associated regulated floodplains and floodways that cross the corridor include Fourmile Creek north of I-485 and an unnamed tributary to Price Mill Creek near the southern end of the project.
NCDOT Hydraulics Unit will coordinate with FEMA and local authorities to ensure compliance with applicable floodplain management ordinances. Since this project involves construction on or adjacent to FEMA regulated streams, the NCDOT Division 10 shall submit sealed as-built construction plans to the NCDOT Hydraulics Unit upon completion of project construction, certifying that the drainage structures and roadway embankment that are located within the 100-year floodplain were built as shown in the construction plans, both horizontally and vertically.

Miscellaneous

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-4714 Mecklenburg Union November 16 2023.pdf U-4714 EA and FONSI.pdf 37.45MB 51.38MB

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: *

Erin K. Cheely

Signature *

Erin K. Cheely

Date

11/16/2023

Permit Drawings

U-4714AC

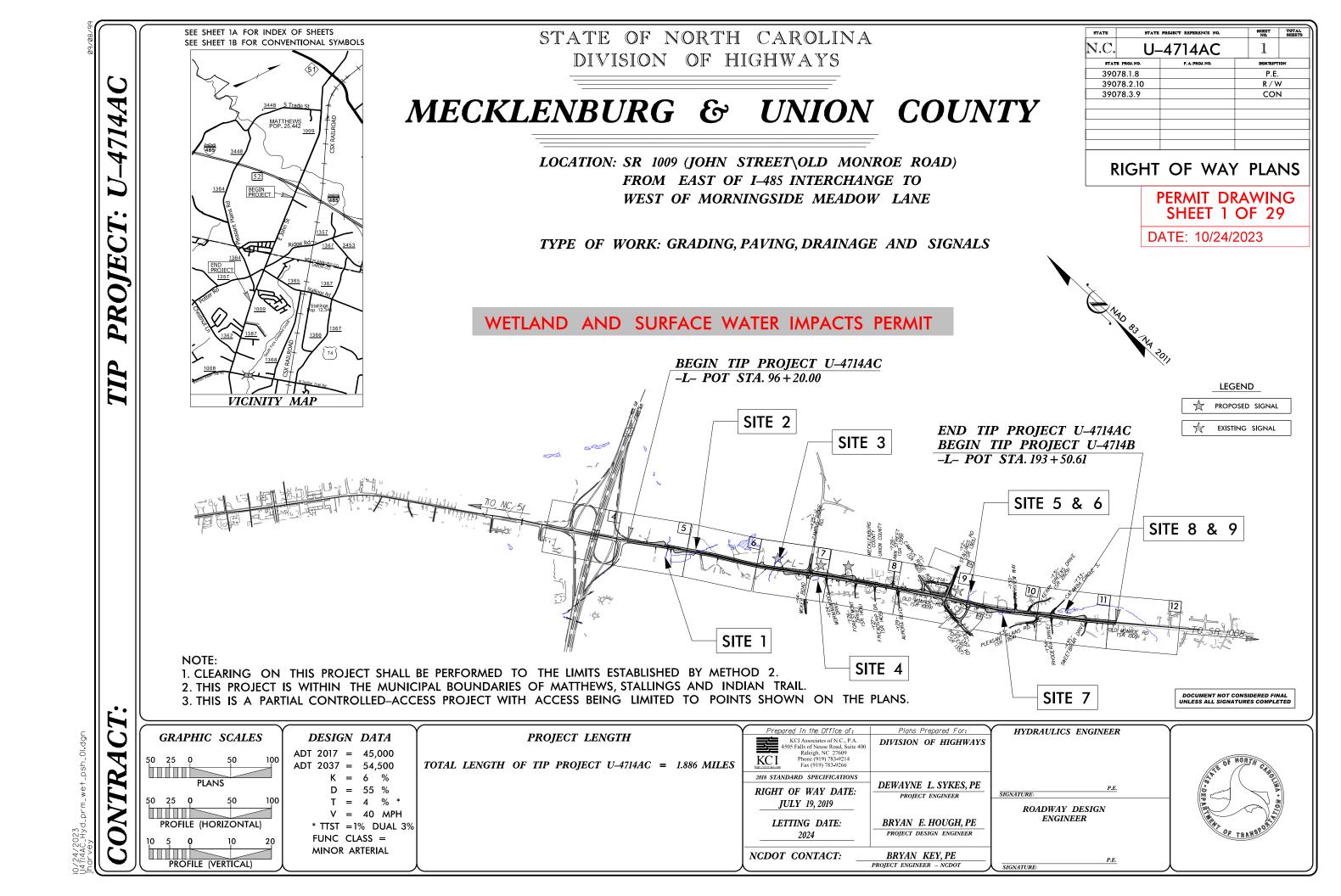


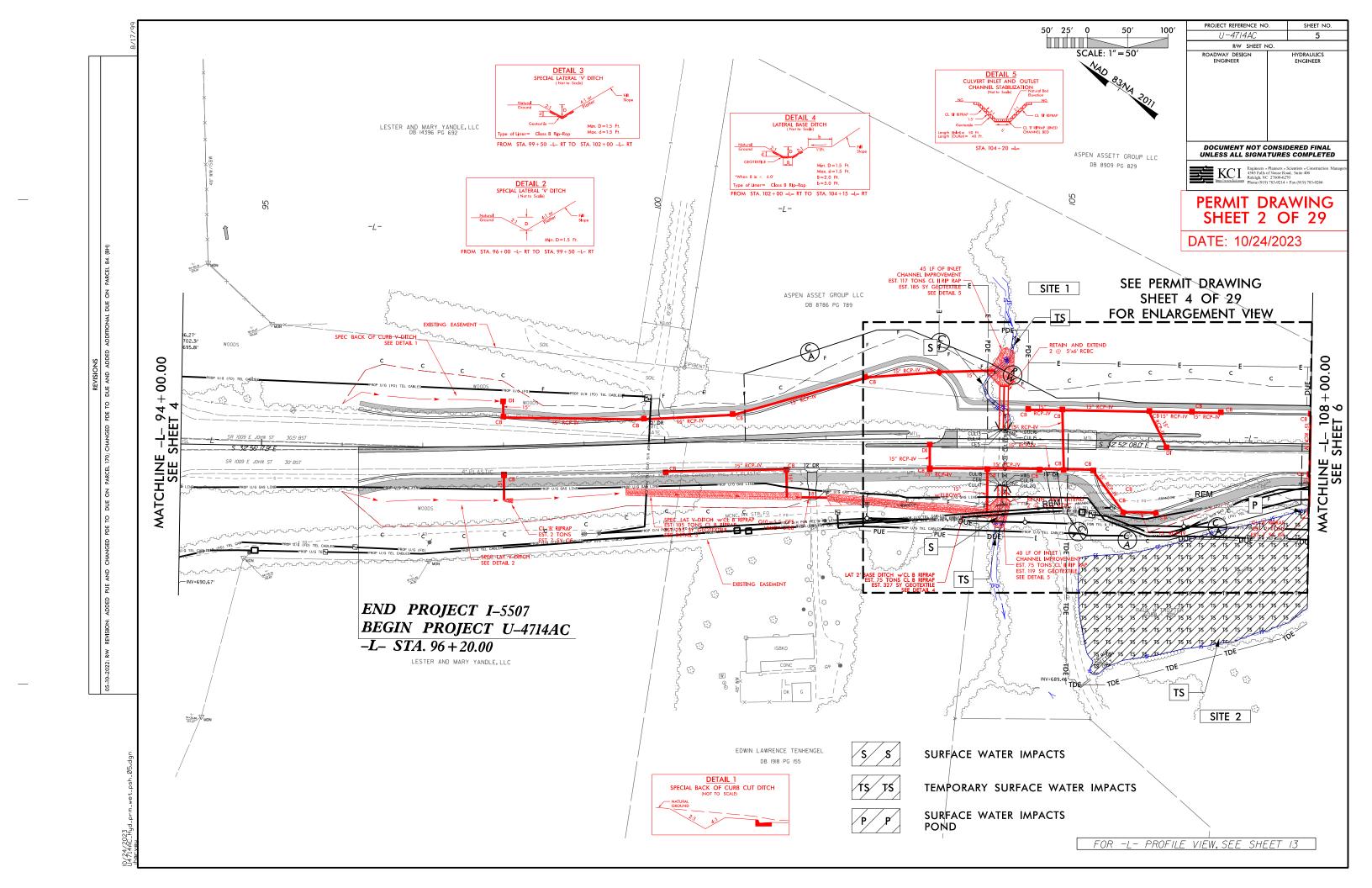
North Carolina Department of Transportation

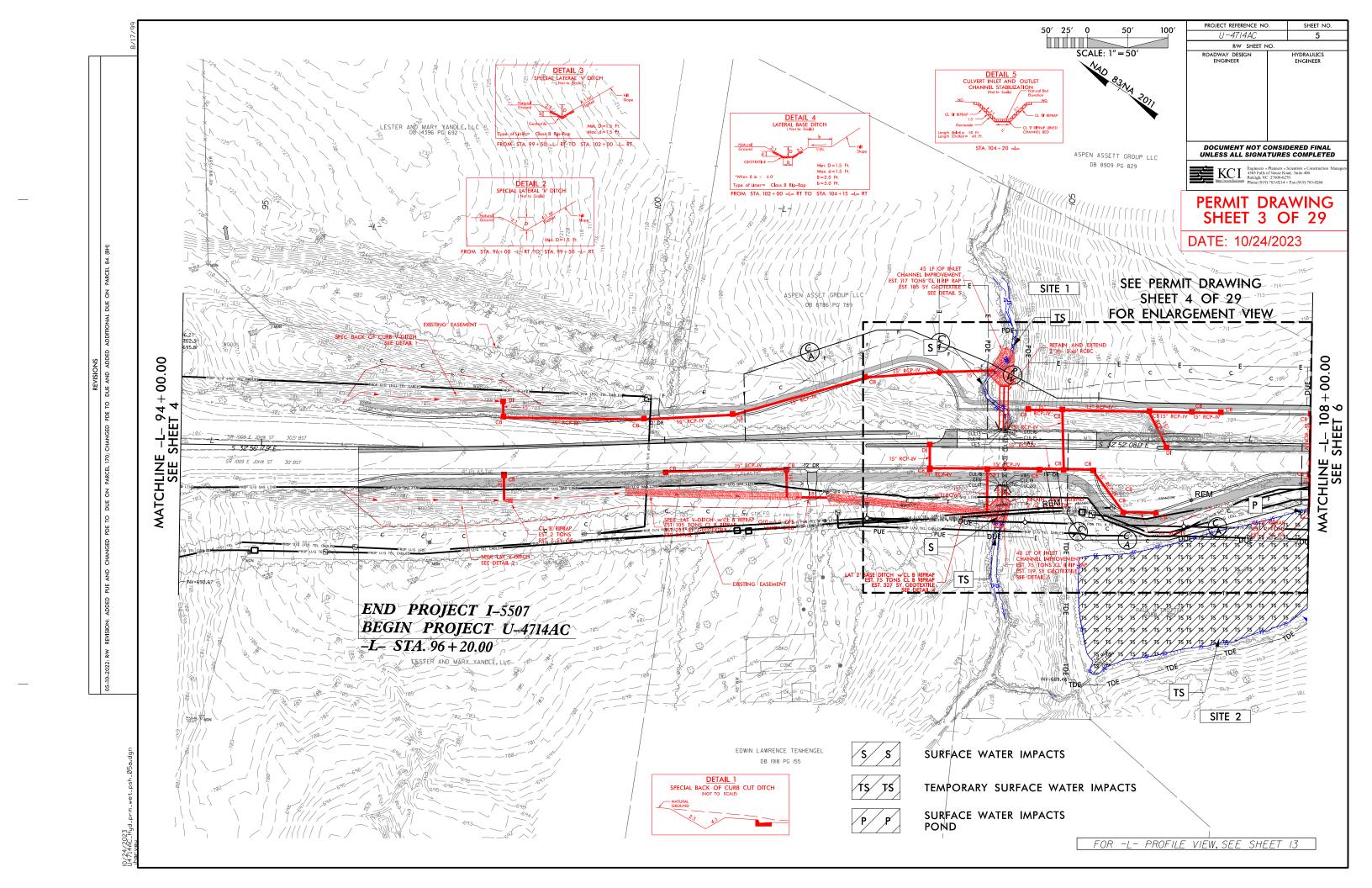
Highway Stormwater Program STORMWATER MANAGEMENT PLAN

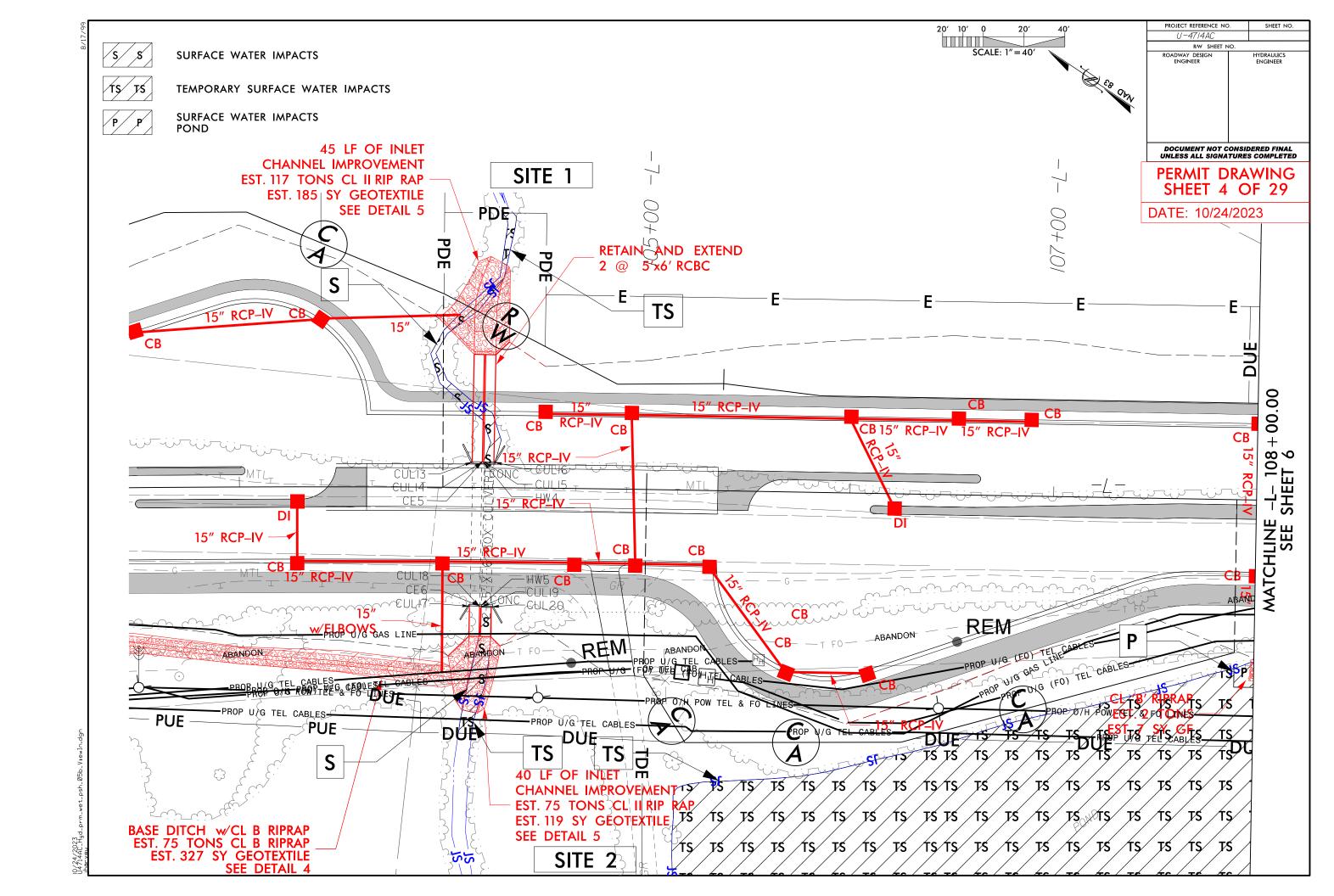


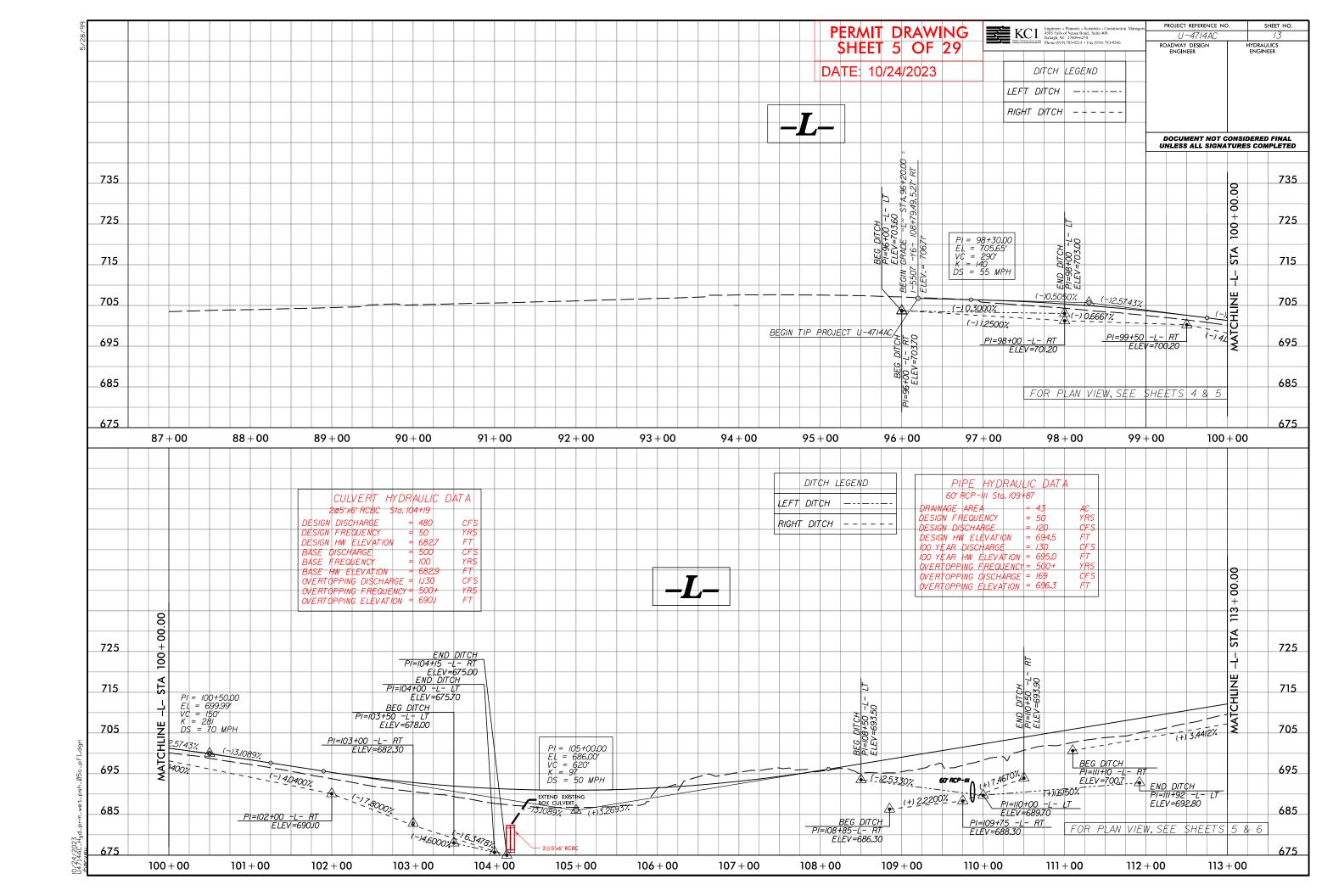
(Version 2.08; Released A	pril 2018)			FOR NCDOT F	PROJECTS						
WBS Element:	39078.1.8	TIP No.:	U-4714AC	County(ies):	Mecklenburg			Pag	e 1	of	1
				General Project	Information						
WBS Element:		39078.1.8		TIP Number: U-4714AC		Project	Туре:	Roadway Widening	Date:	10/6/20)23
NCDOT Contact:		David Webb, PE			Contractor / Desig			Dalton, PE			
	Address:	NCDOT Hydraulics Unit				Address:	Sungate D	Design Group, P.A.			
		1590 Mail Service						Franklin Road			
		Raleigh, NC 2769	9-1590				Raleigh, N	IC 27606			
	Phone:	(919) 707-6731				Phone:	(919) 859-	-2243			
		dswebb1@ncdot.	gov					ungatedesign.com			
City/Town:	-		•	thews	County(ies):	Meckle	,				
River Basin(s):		Cata			CAMA County?	No					
Wetlands within Proj	ect Limits?	Yes		1			_	'			
				Project Desc	ription						
Project Length (lin. n	niles or feet):	3.3	37	Surrounding Land Use:	Commercial, Indust	rial, Medium D	ensity Resi	idential, Forest			
		0.0		Proposed Project	,		,	Existing Site			
Project Ruilt-Unon A	Project Built-Upon Area (ac.) 35.9						21.9	ac.			
Typical Cross Section		E. John Street (S		ac. d lanes (total 44') with 2'-6" curb and	d gutter. Paved	E. John Stree): Open shoulder section, 2 pa	ved lanes (total 24'). 1'	paved
				turn lane (total 0'-42') Varying 10'-				/arying fill and cut slopes. Curb			
		with guardrail) sh	oulder with varyi	ng 5' -10' width pedestiran sidewalk		paved lanes (total 36') w	ith 10' concrete sidewalk. Vary	ing fill and o	cut slopes.	
Annual Avg Daily Traffic (veh/hr/day): Design/Future:				4.500 Year:		Existing:		45.000	V	ear: 20	017
2 7 7 20019:17: 4:44:0:				roposed to widen and improve East John Street (SR 1009) in Matthews, NC. There is one proposed				•			
(Description of Minin				ements to East John Street, which							
Quality Impacts)				Box Culvert extension with a bevel							
				to smoothly tie the existing channel							
			•	ties at jurisdictional features and we				. ,	d or minimiz	ze water qua	ality
		impacts include the	ne use of 2:1 slo	pes, burial of inverts in jurisdictiona	l areas, and bank sta	abilization adde	ed to outlet	channels.			
				Waterbody Inf	ormation						
Surface Water Body	(1):		UT to Fou	rmile Creek	NCDWR Stream In	dex No		11-137-9-	4		
			0110100	Primary Classification:	Class			11.107.0	•		
NCDWR Surface Wat	er Classification for	r Water Body		Supplemental Classification:	Class	<u> </u>					
Other Stream Classification: None		Ouppiemental Classification.									
Impairments:	ication.	None									
-	.2	None Comments:									
Aquatic T&E Species NRTR Stream ID:) f	INO	Comments				D#* D	lee in Effect.		N1/A	
	las Casasias NACC	Dady?	No	Dook Dusing Dischaus Co. C.		NI/A		les in Effect:		N/A N/A	
Project Includes Brid	<u> </u>	•	No	Deck Drains Discharge Over Bu (If yes, provide justification in		N/A		r Pads Provided in Buffer? describe in the General Projec	t Marrativa:	,	in the
Deck Drains Dischar			N/A	(ii yes, provide justification in	ule General Project	ivairauve)	(ii yes,	describe in the General Project N General Project N		ii no, justify	iii iiie
(if yes, provid	(If yes, provide justification in the General Project Narrative)			1				Schera i Toject i	iai rativo)		

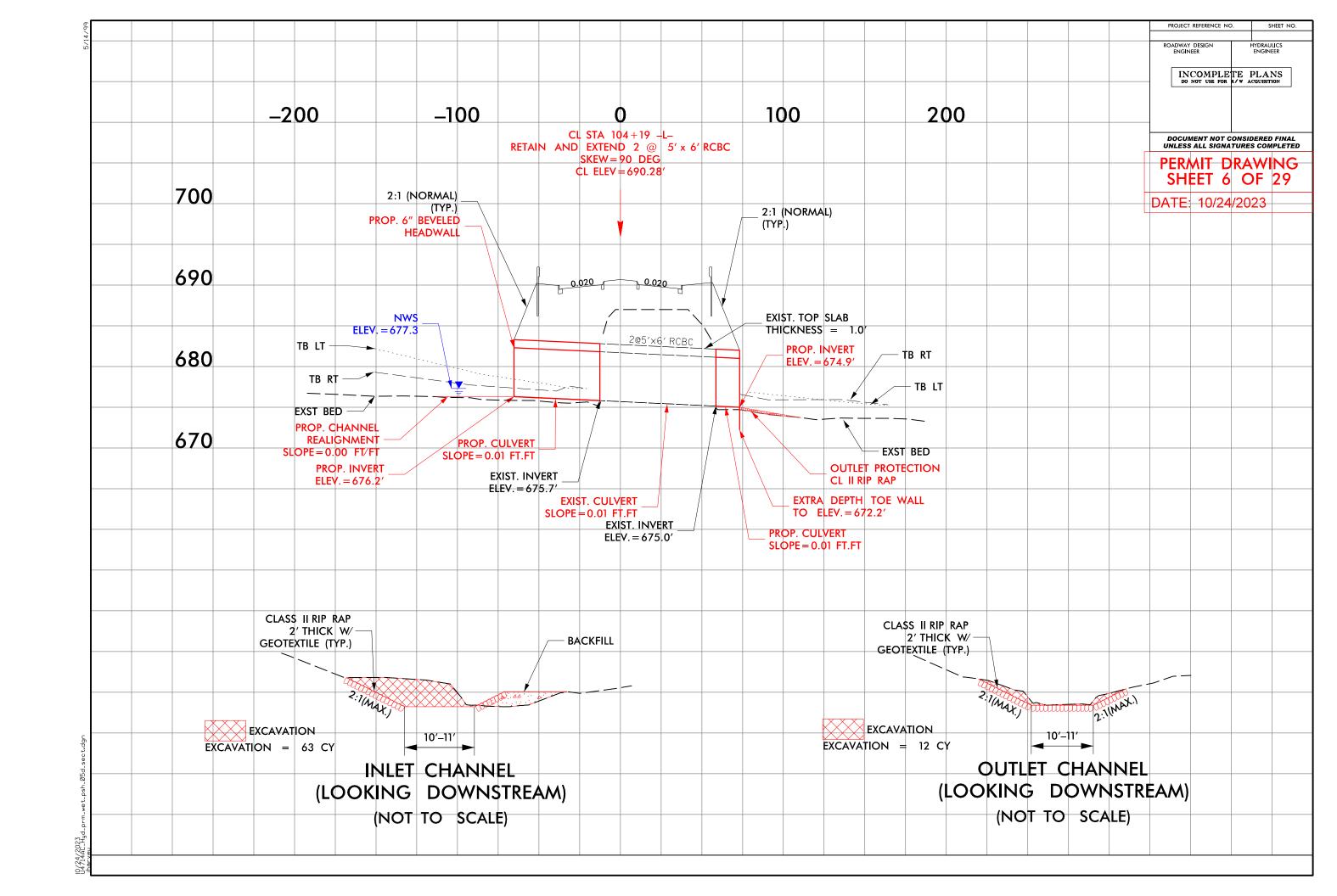


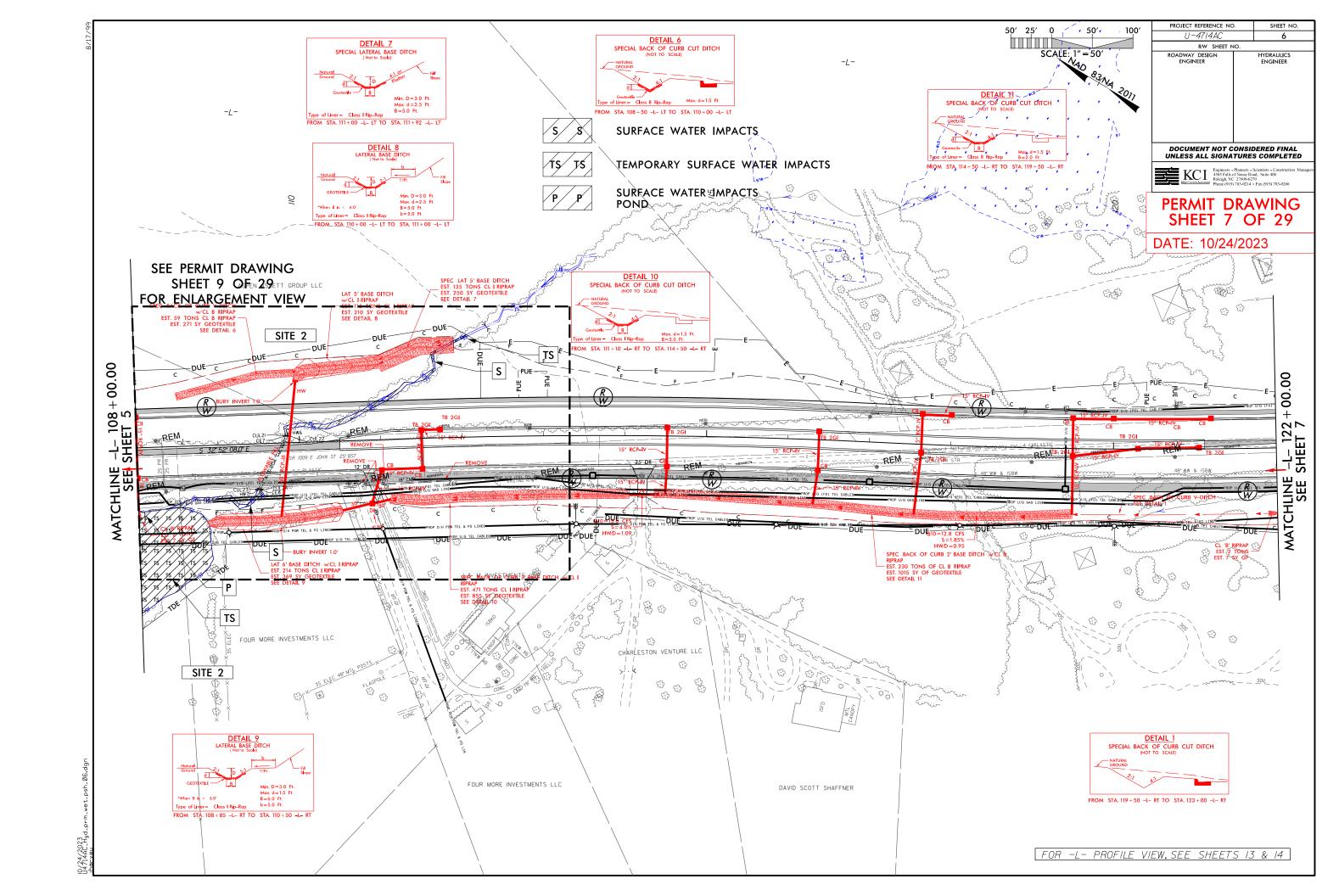


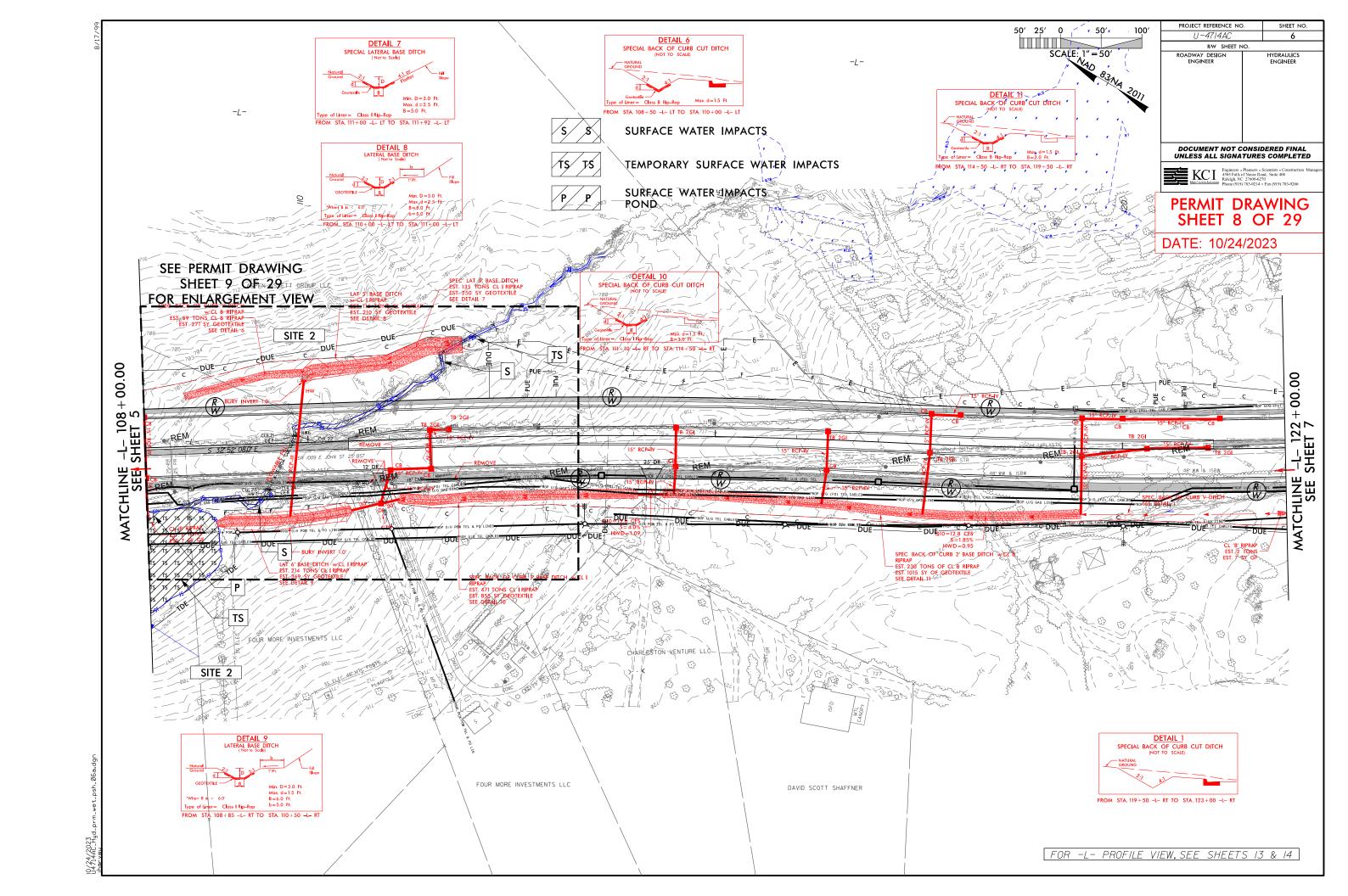


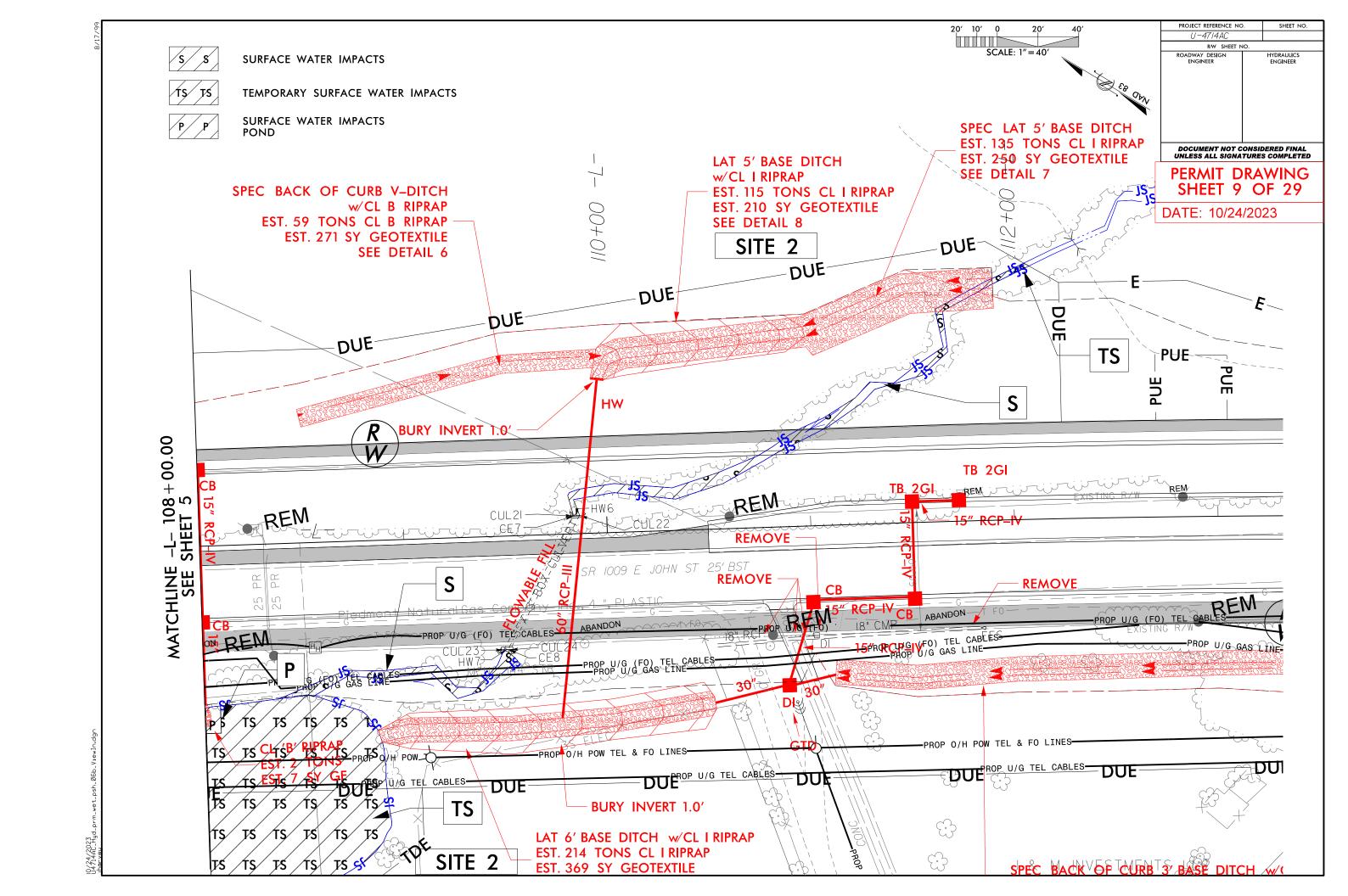


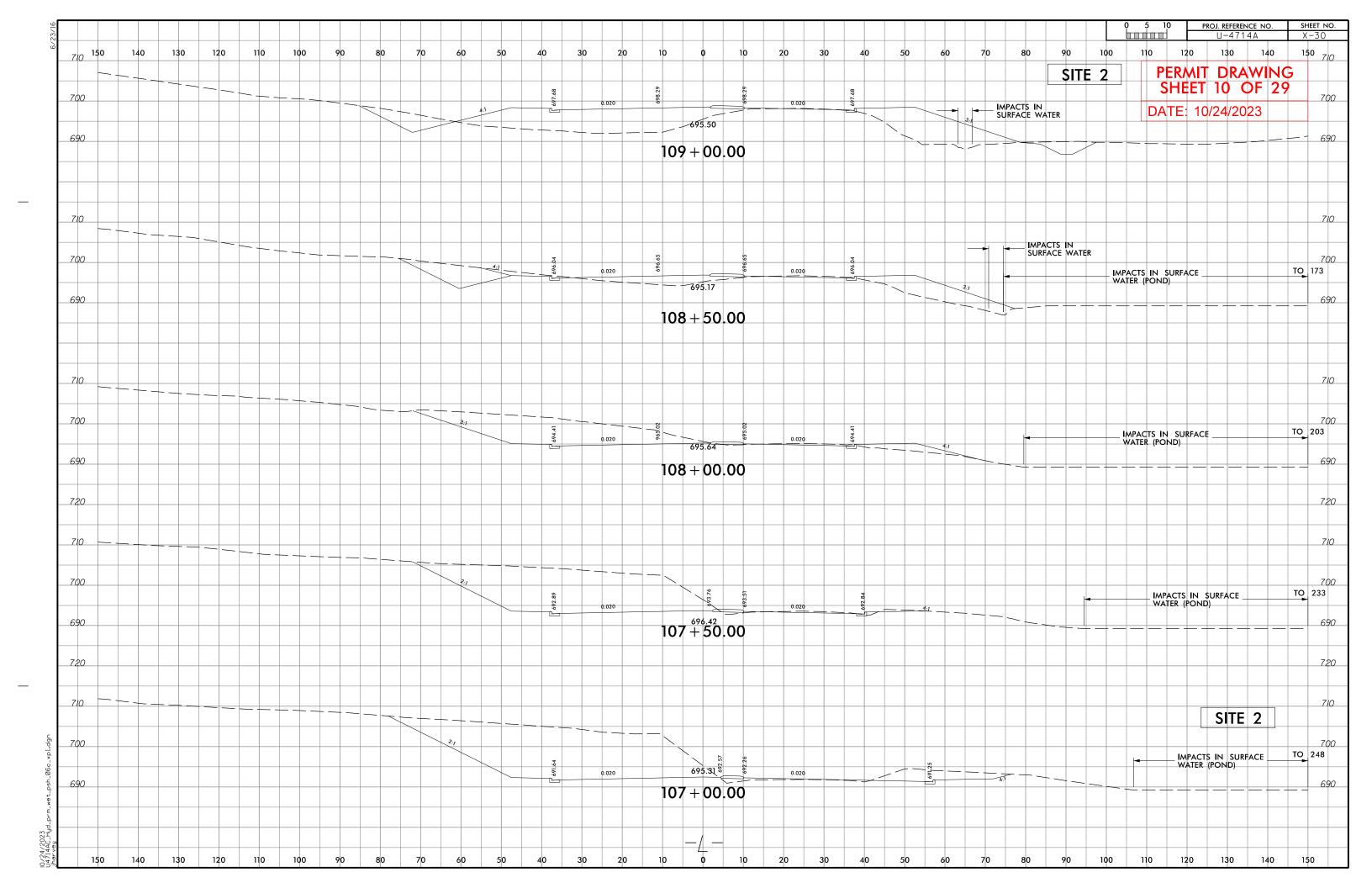


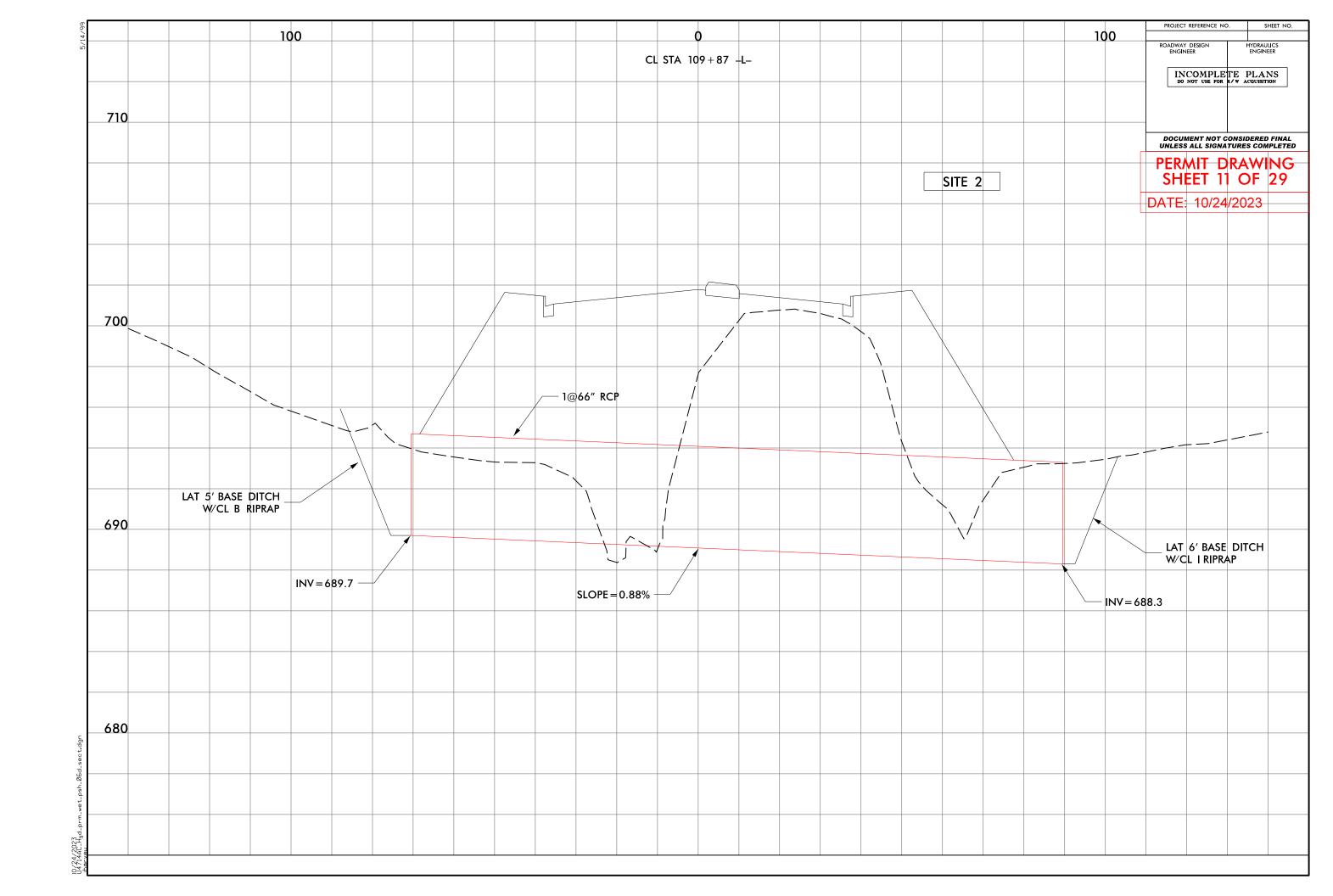












PROJECT REFERENCE NO. SHEET NO. DETAIL 13 PIPE INLET CHANNEL U-4714AC RW SHEET NO. ROADWAY DESIGN HYDRAULICS 50′ 25′ SCALE: 1" = 50' VISED RW ON PARCELS 91 92, 93, 98, AND 99, REVISED TCE ON PARCELS 97 AND 98. ISINONDS AT THE CENTRUINE OF MCKEE ROAD AND PORK CHOP CONCRETE PEDESTRAN REFUGE SCHOW DETAIL REVISED THE MCKEE ROAD DESIGN EAST OF OLD MONROE ROAD TO TIE IN AT ROAD EXTENSION RESULCT; (BH) Est. = 35 Tons of Class 'I' Rip-Rap STA. 125 + 50 -L- LT FROM STA. 124+50 -L- LT TO STA. 126+00 -L- LT FROM STA. 124+00 -L- RT TO STA. 125+50 -L- RT -L-DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED FROM STA. 20+50 -Y25- LT TO STA. 23+50 -Y25-FROM STA. 20+50 -Y25- RT TO STA. 23+50 -Y25-PERMIT DRAWING DETAIL 14 /3(SPECIAL BACK OF CURB CUT DITCH **SHEET 12 OF 29** DATE: 10/24/2023 FROM STA. 127 + 50 -L- LT TO STA. 128 + 7.6 SITE 3 2217 EAST JOHN ST LLC +00.00 +87.58' LT _ DUE¬ -L- 122 -SHEET 6 05–10-2022; RW REVISION: REVISED DUE ON PARCELS 87, 91, 97, 99, AND 171; REVISED PUE OR REMOVED PUE, AND ADDED DUE ON PARCEL 99. ANDED PUE, PIE, AND TECE ON PARCEL 99. AT THE FOUR CORPERS OF THE OLD MONROE ROAD /MCKEE ROAD INTERSECTION; REVISED POED A.225–514. 21+00.00, AND WEST OF OLD MONROE ROAD TO SHOW AS DASHED FOR WOR II-17-2022; RW REVISION: REVISED RW U-4713A RW ON PARCELS 94 AND 95. ADDED PD 03-22-2023; RW AND DESIGN REVISION: ADDED TCE TO PARCELS 91 AND 92. CHANGED D 03-22-2023; DESIGN REVISION: SHIFFED U-TURN BUILB ABOUT 50° TO THE EAST; (BH) MATCHLINE SEE MATCHLINE SEE (REM SEE PERMIT DRAWING TS CHOOL SITE 4
FOR ENLARSEMENT VIEW SPEC LIT SEE PERMIT DRAWING SHEET 14 OF 29 SURFACE WATER IMPACTS FOR ENLARGEMENT VIEW /**TS/**/JS TEMPORARY SURFACE WATER IMPACTS DETAIL 17
SPECIAL LATERAL BASE DITCH (Not to Scale) DETAIL 1
SPECIAL BACK OF CURB CUT DITCH
(NOT TO SCALE) -Y25 WITHROW VENTURES - MONROE ROAD B=2.0 Ft. Type of Liner = Class B Rip-Rap

B= 2.0 Ft.

FROM STA. 134+32 -L- RT TO STA. 135+43 -L- RT FROM STA. 119+50 -L- RT TO STA. 123+00 -L- RT DETAIL 21 PROPOSED SIGNAL -Y24-,-Y25- PROFILE VIEW, SEE SEE SHEET R/W 7 FOR RIGHT OF STATIONS AND OFFSETS Max. d=2.0 Ft. B=2.0 Ft. FROM STA. 10+66 -Y24- RT TO STA. 11+45 -Y24- RT Est. = 50 Tons of Class 'I' Rip-Rap STA. 124 + 92 -L- RT FROM STA. 134+50 -L- LT TO STA. 137+50 -L- LT

PROJECT REFERENCE NO RW SHEET NO. ROADWAY DESIGN ENGINEER HYDRAULICS ENGINEER SCALE: 10 = 50' STA. 125 + 50 -L- LT FROM STA. 124+50 -L- LT TO STA. 126+00 -L- LT FROM STA. 124+00 -L- RT TO STA. 125+50 -L- RT DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED FROM STA 20450 - Y25- LT TO STA 23+50 - Y25- LT TO STA 23+50 - Y25- RT TO STA 23+50 - Y25- RW ON PARCELS 91, 92, 93, 98, AND 99; REVISED TCE ON S. AT THE CENTERINE OF MCKEE ROAD AND PORK CHOP of DEALL, REVISED THE MCKEE ROAD DESIGN EAST OF OLD ESTRINSION PROJECT, (BH) PERMIT DRAWING **SHEET 13 OF 29** DATE: 10/24/2023 SITE 3 +00.00 +-L- 122 -SHEET 6 05–10–2022; RW REVISION: REVISED DUE ON PARCELS 87, 91, 97, 99, AND 171; REVISED PUE of REMOVED PUE AND ADDED DUE ON PARCEL 99, ADDED PUE, IPPE, AND TOTICE ON PARCEL 99, ATTHE FOUR CORPERS OF THE OLD MONROE ROAD /MCKEE ROAD /MITERSECTION; REVISED POR WOR 11–17–2022; STA. 21 +00.00, AND WEST OF OLD MONROE ROAD TO SHOW AS DASHED FOR WOR 11–17–2022; RW REVISION: REVISED RW U–4713A RW ON PARCELS 94 AND 95. ADDED FOR 03–22–2023; RW AND DESIGN REVISION: ADDED TCE TO PARCELS 91 AND 92. CHANGED TO 32–22–2023; DESIGN REVISION: SHIFFED U–17NN BULB ABOUT 50 TO THE RAST. (BH) MATCHLINE SEE MATCHLINE SEE (SEE PERMIT DRAWING

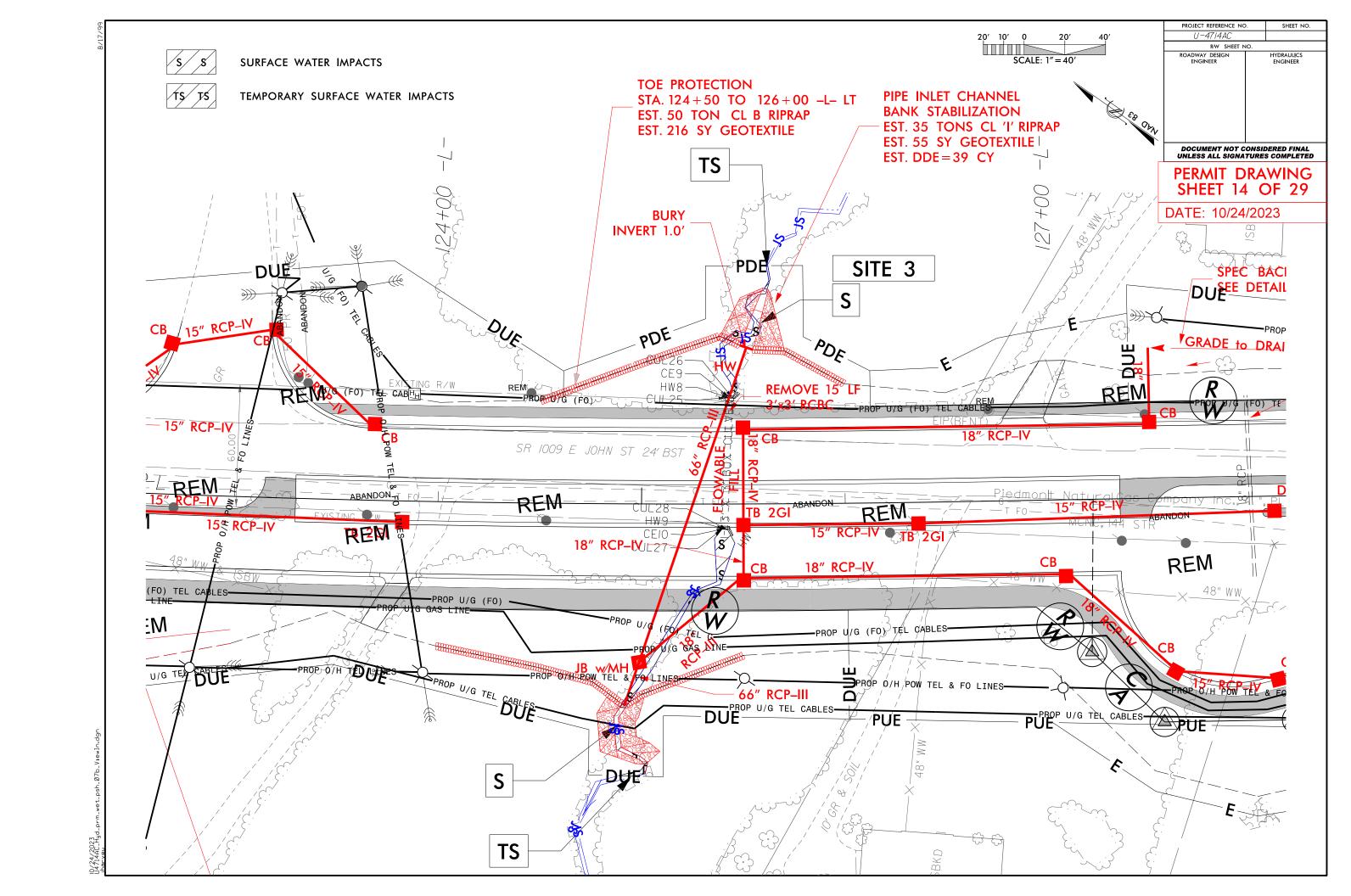
STATELL 150 OF 29

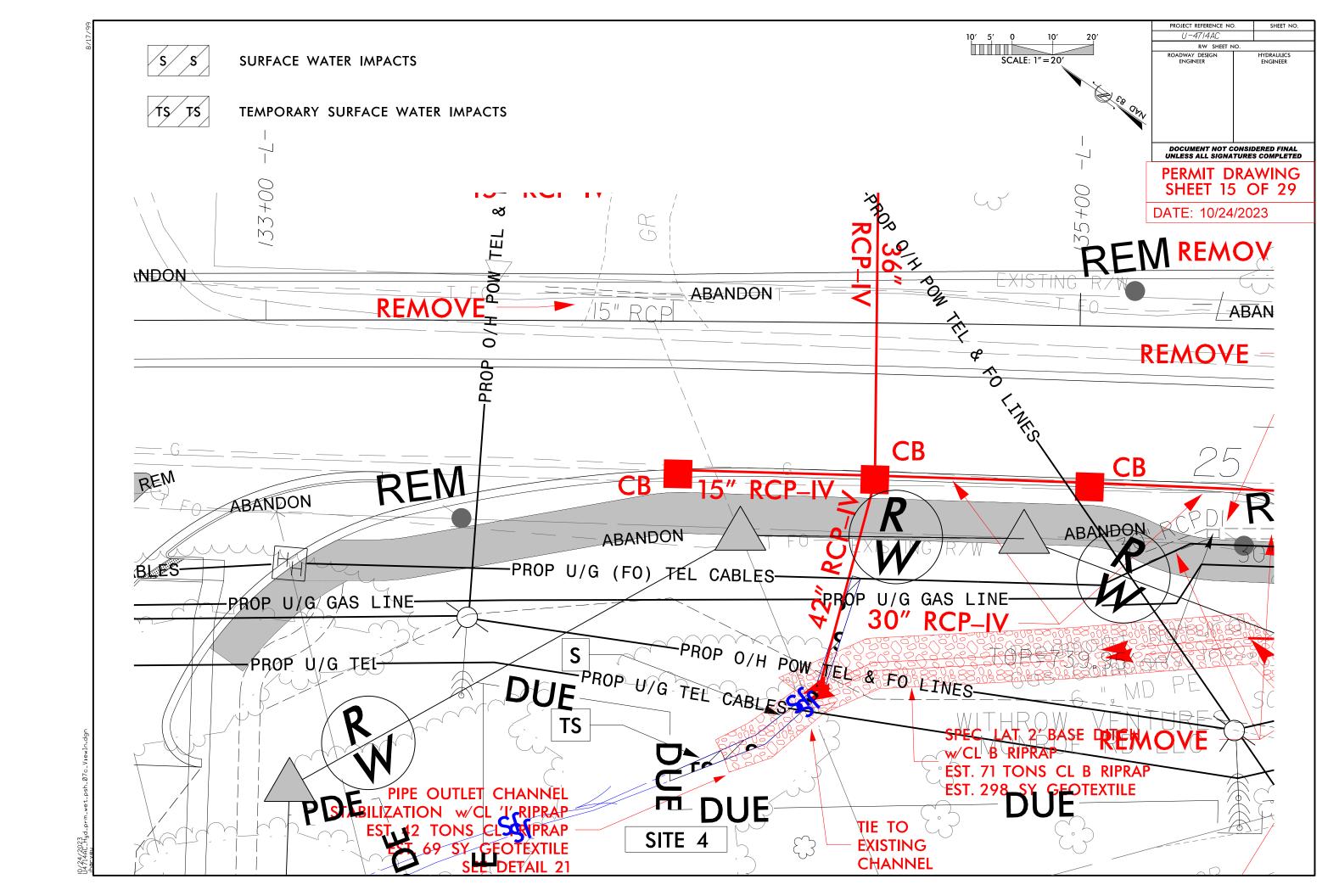
FOR ENLARGEMENT VIEW SEE PERMIT DRAWING SHEET 214 OF 29 SURFACE WATER IMPACTS FOR ENLARGEMENT VIEW TEMPORARY SURFACE WATER IMPACTS DETAIL 1

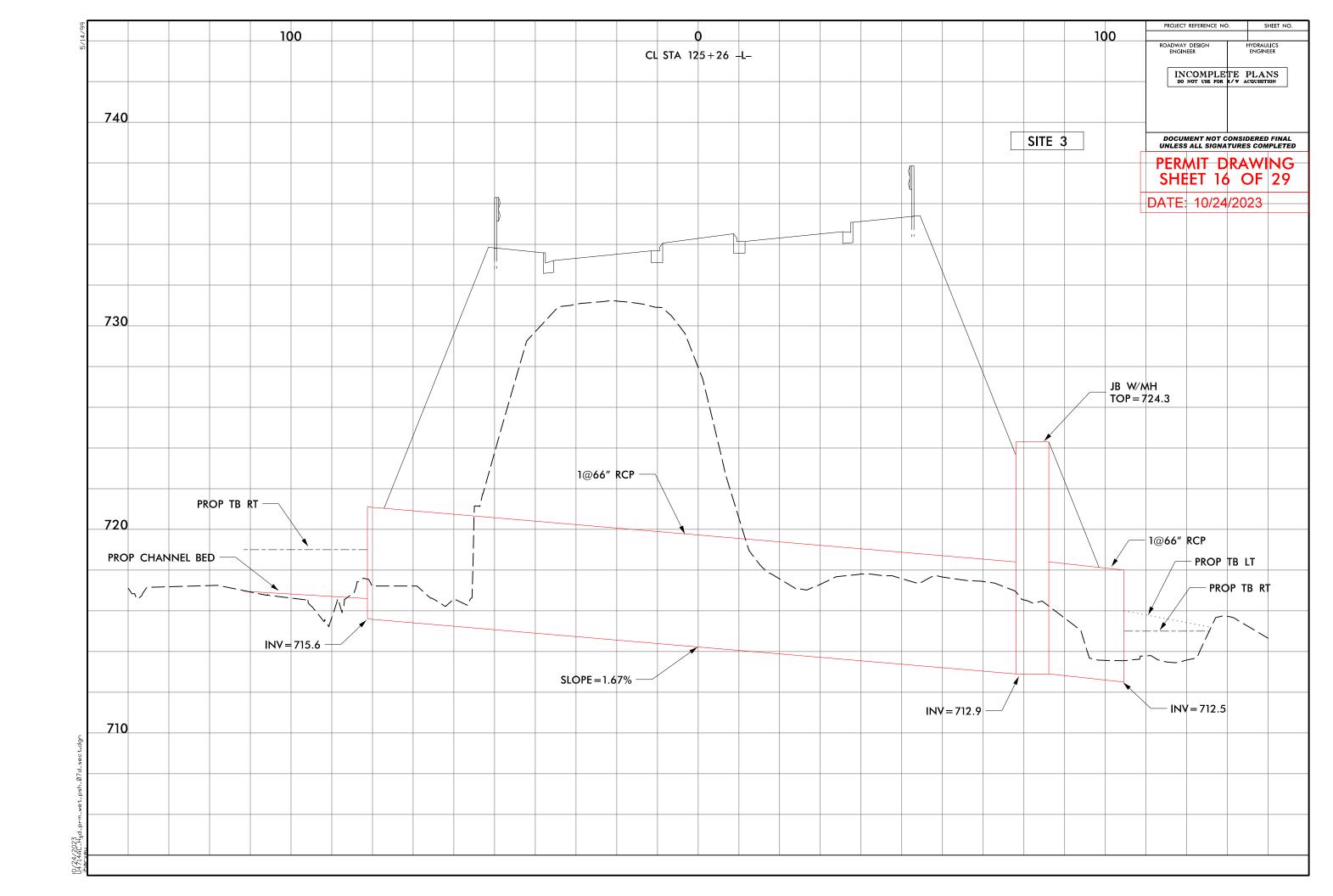
SPECIAL BACK OF CURB CUT DITCH
(NOT TO SCALE) -Y25 WITHROW VENTURES - MONROE ROAD B=2.0 Ft. Type of Liner = Class B Rip-Rap

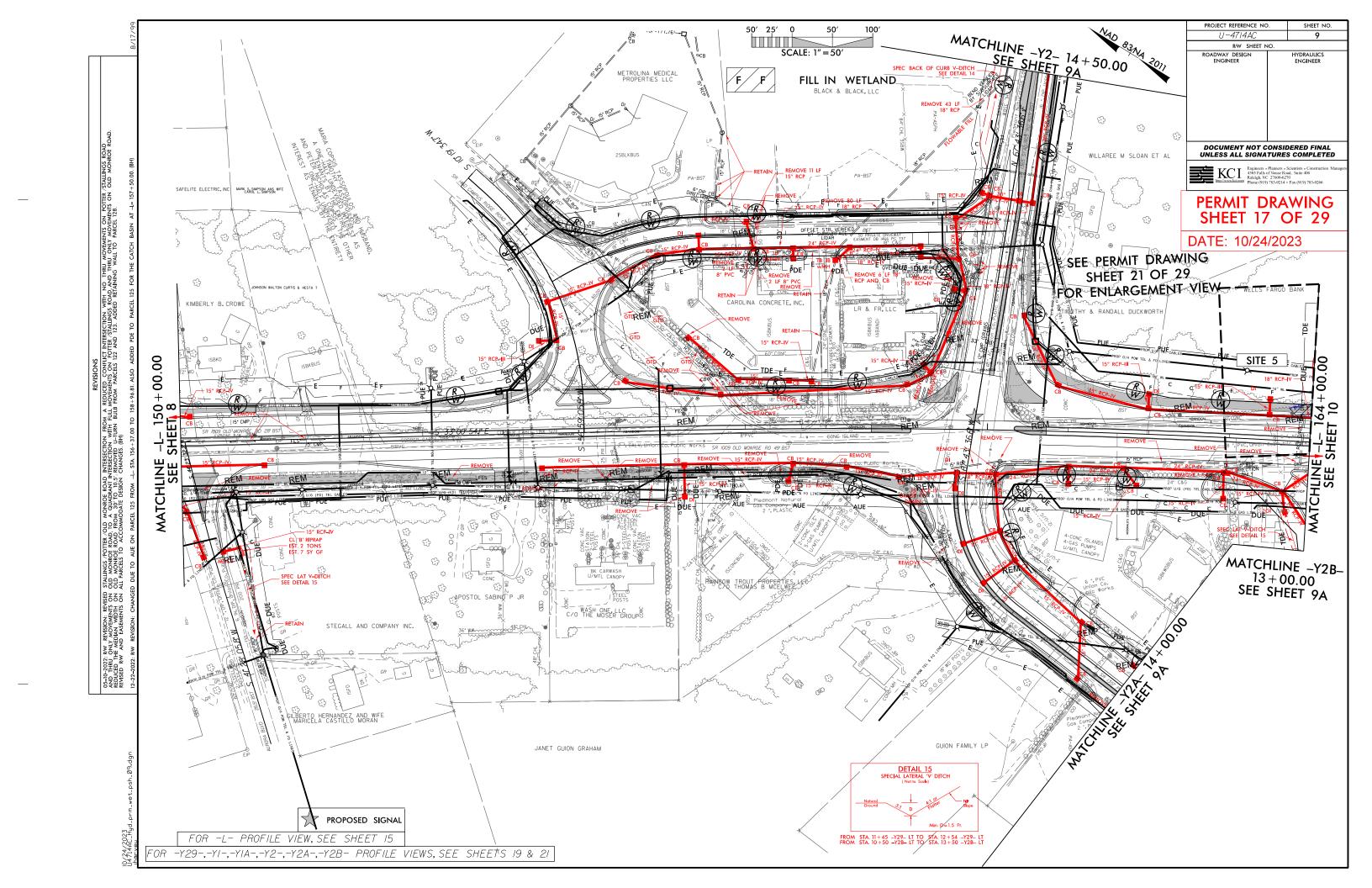
B= 2.0 Ft.

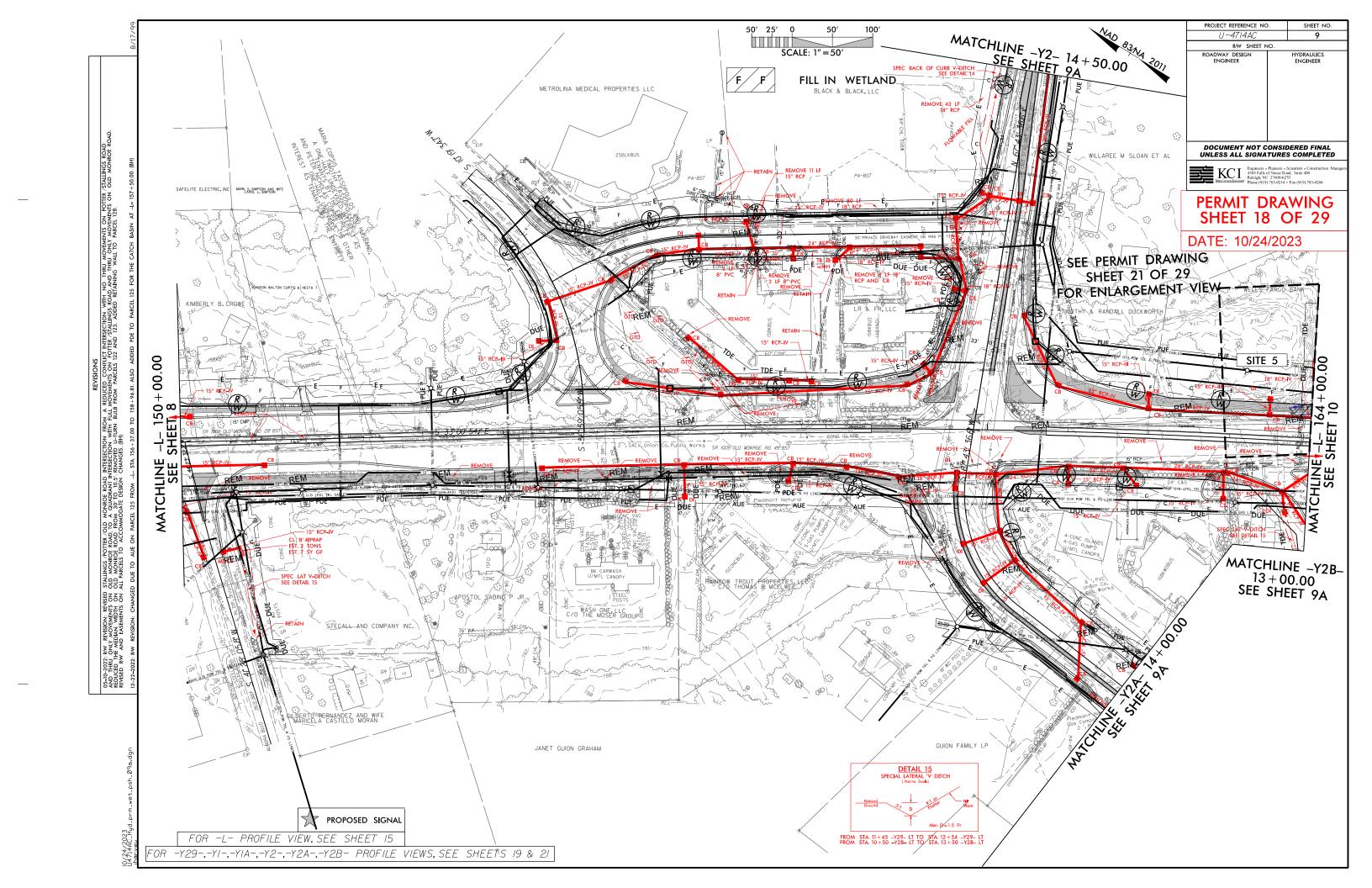
FROM STA. 134+32 -L- RT TO STA. 135+43 -L- RT FROM STA. 119 + 50 -L- RT TO STA. 123 + 00 -L- RT DETAIL 21 PROPOSED SIGNAL Max. d=2.0 Ft. B=2.0 Ft. FROM STA. 10+66 -Y24- RT TO STA. 11+45 -Y24- RT STA. 124 + 92 -L- RT FROM STA, 134+50 -L- LT TO STA, 137+50 -L- L

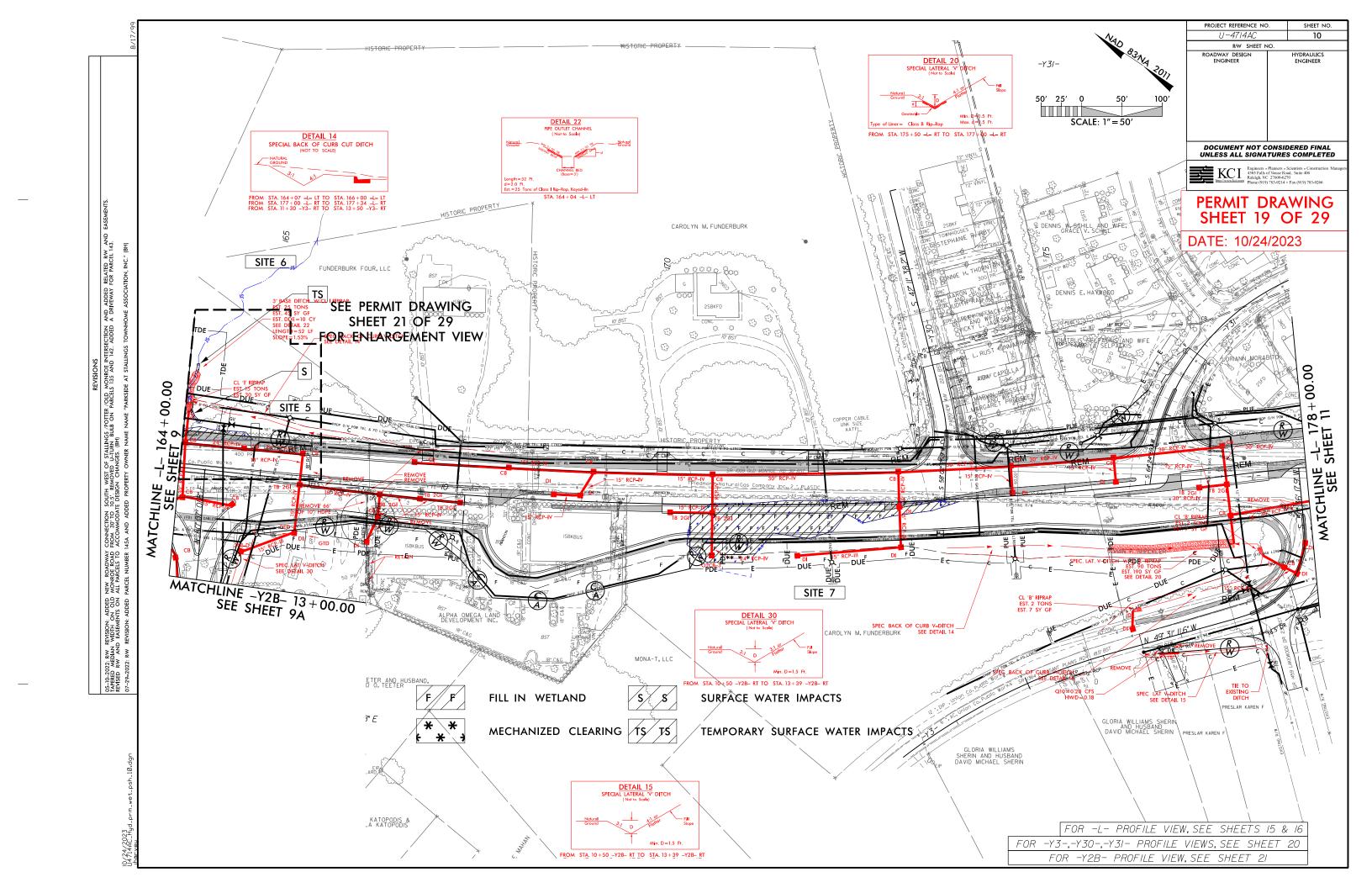


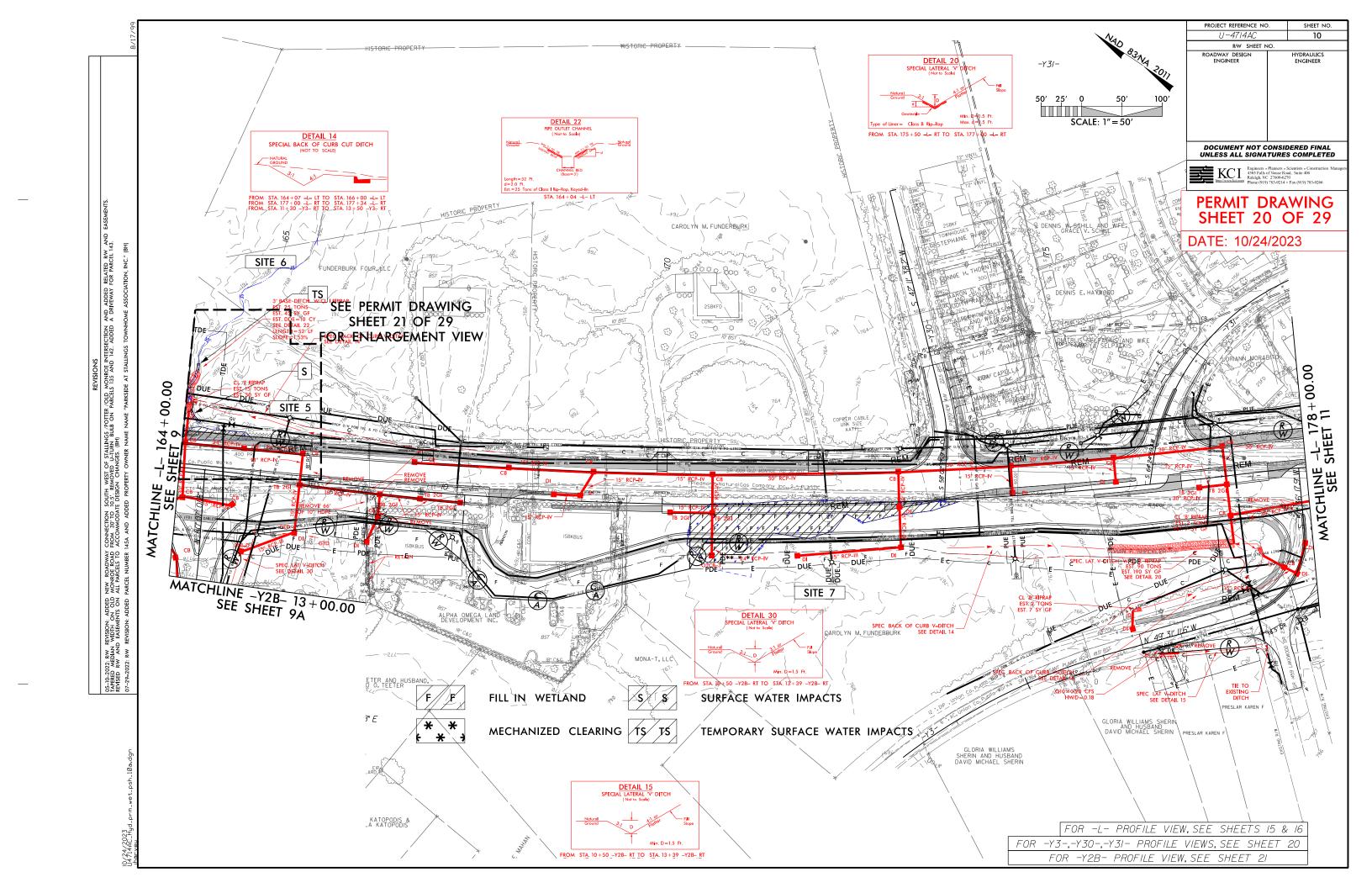


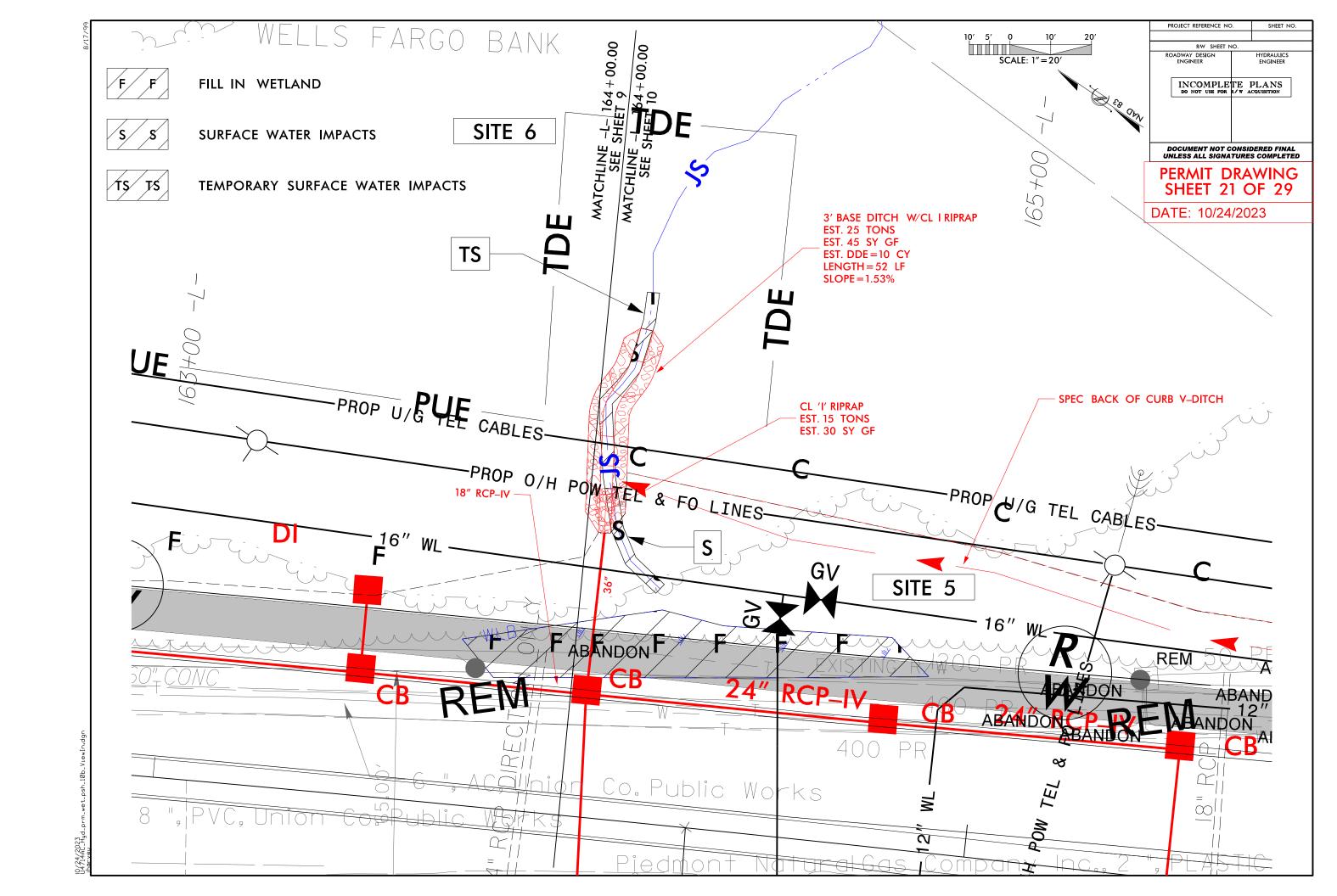


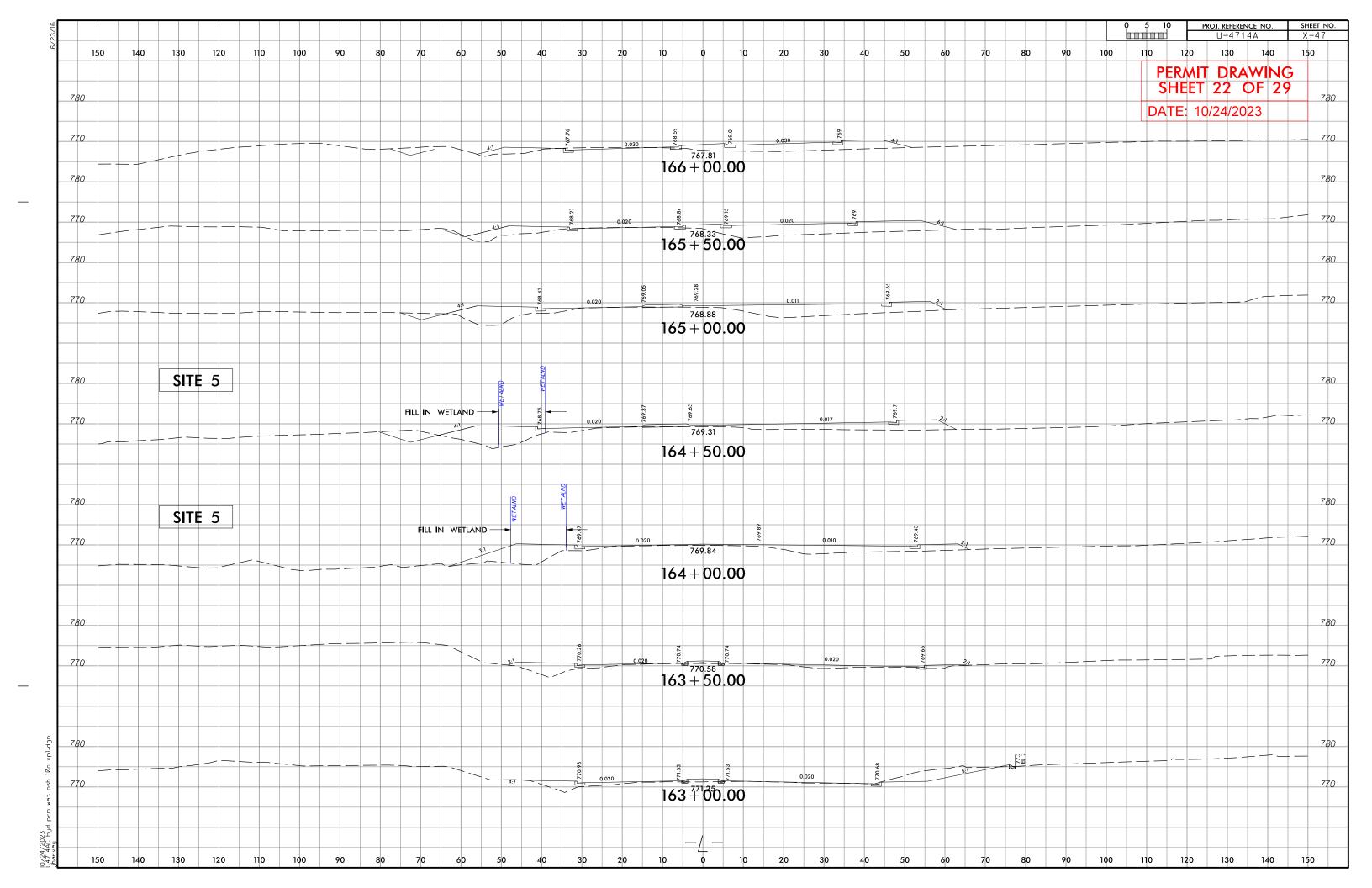


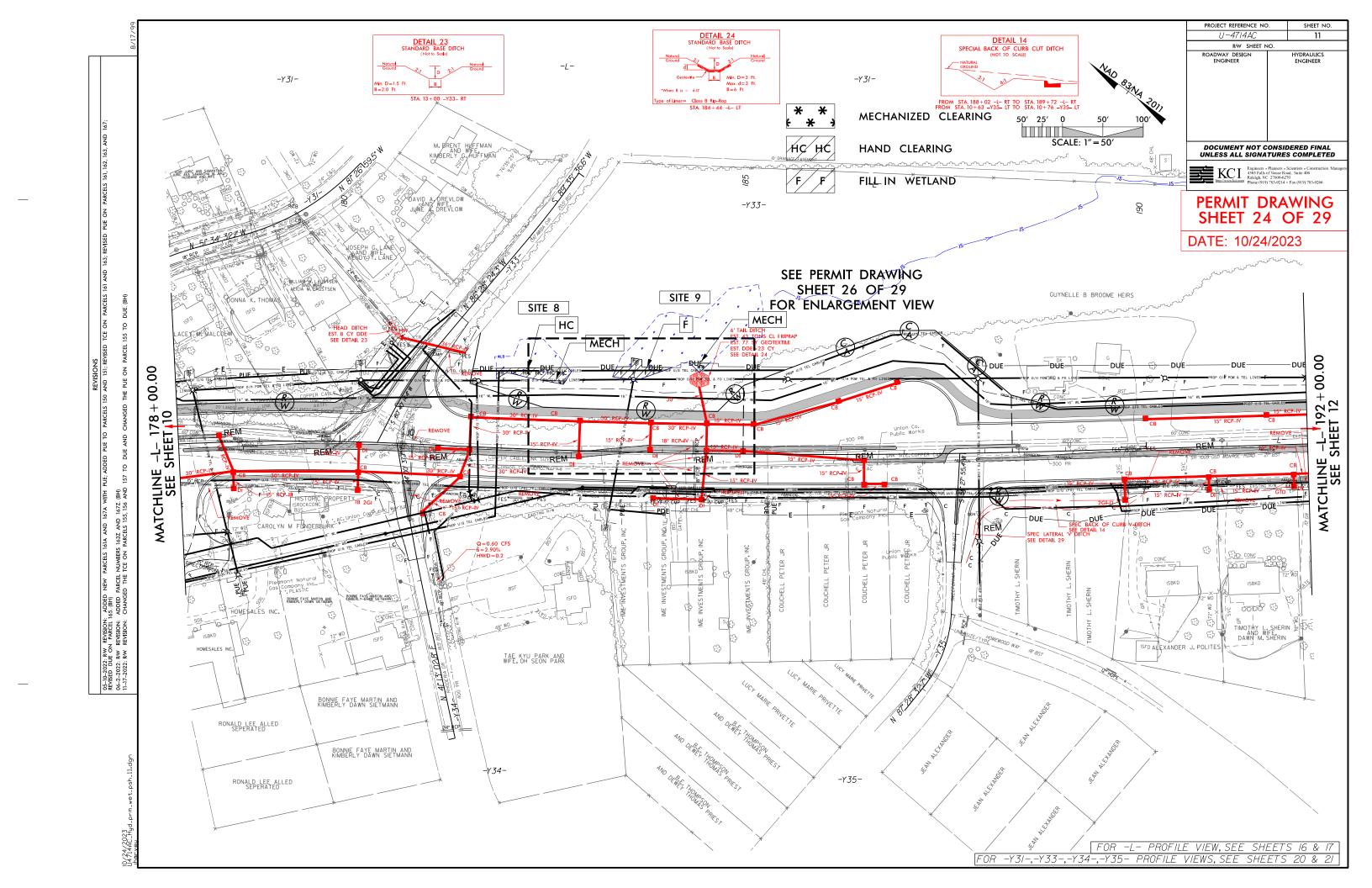


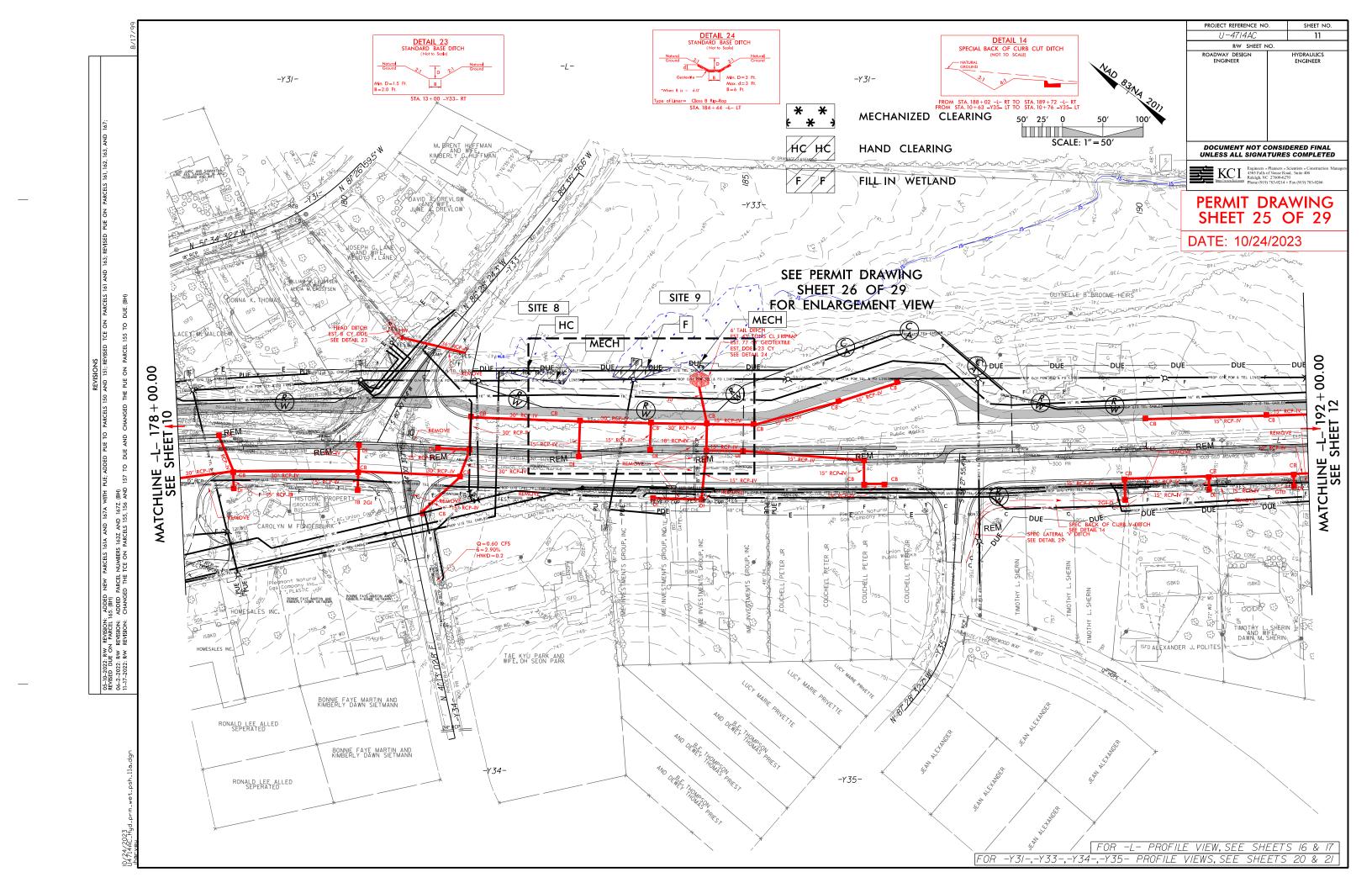


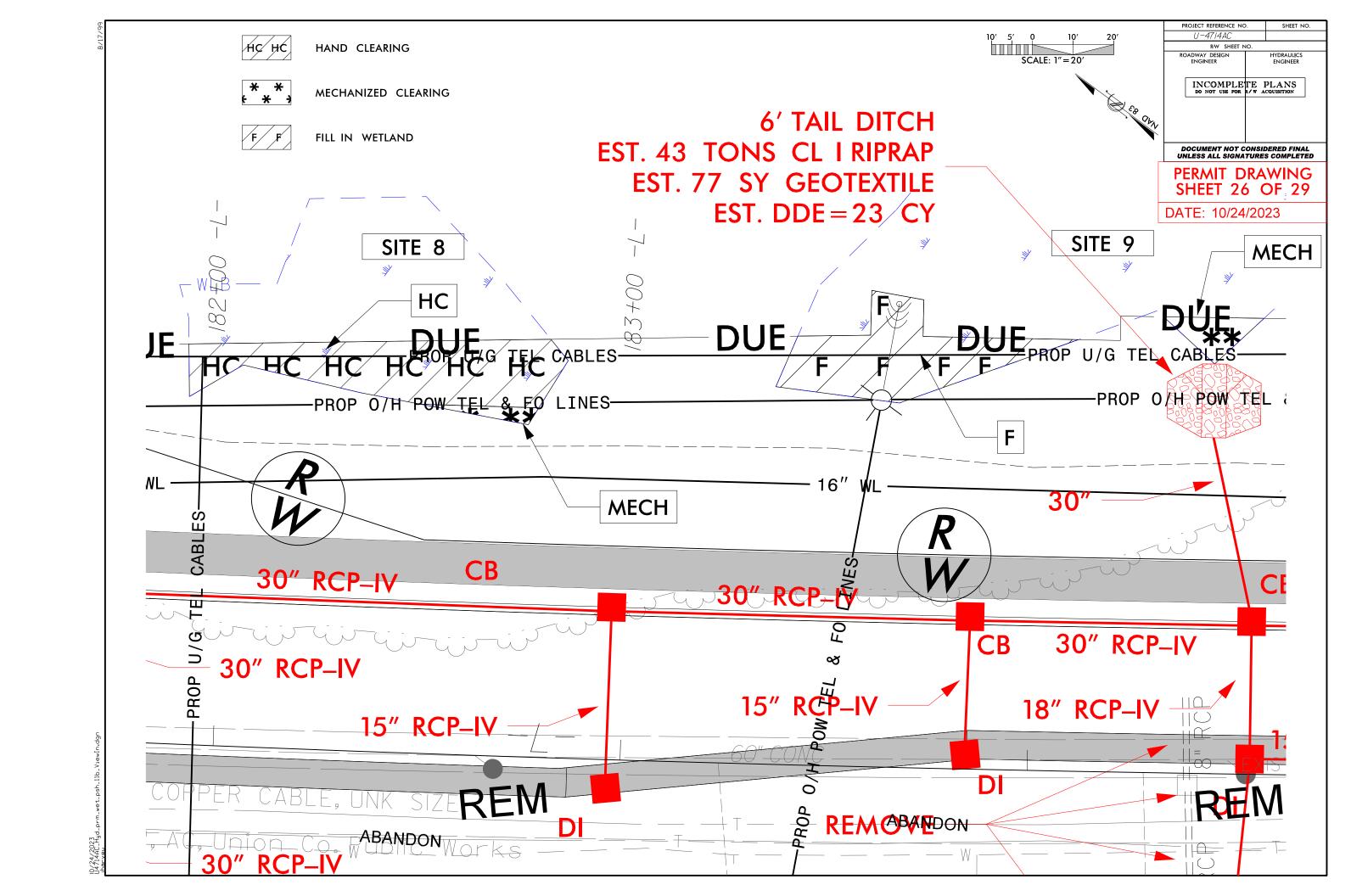


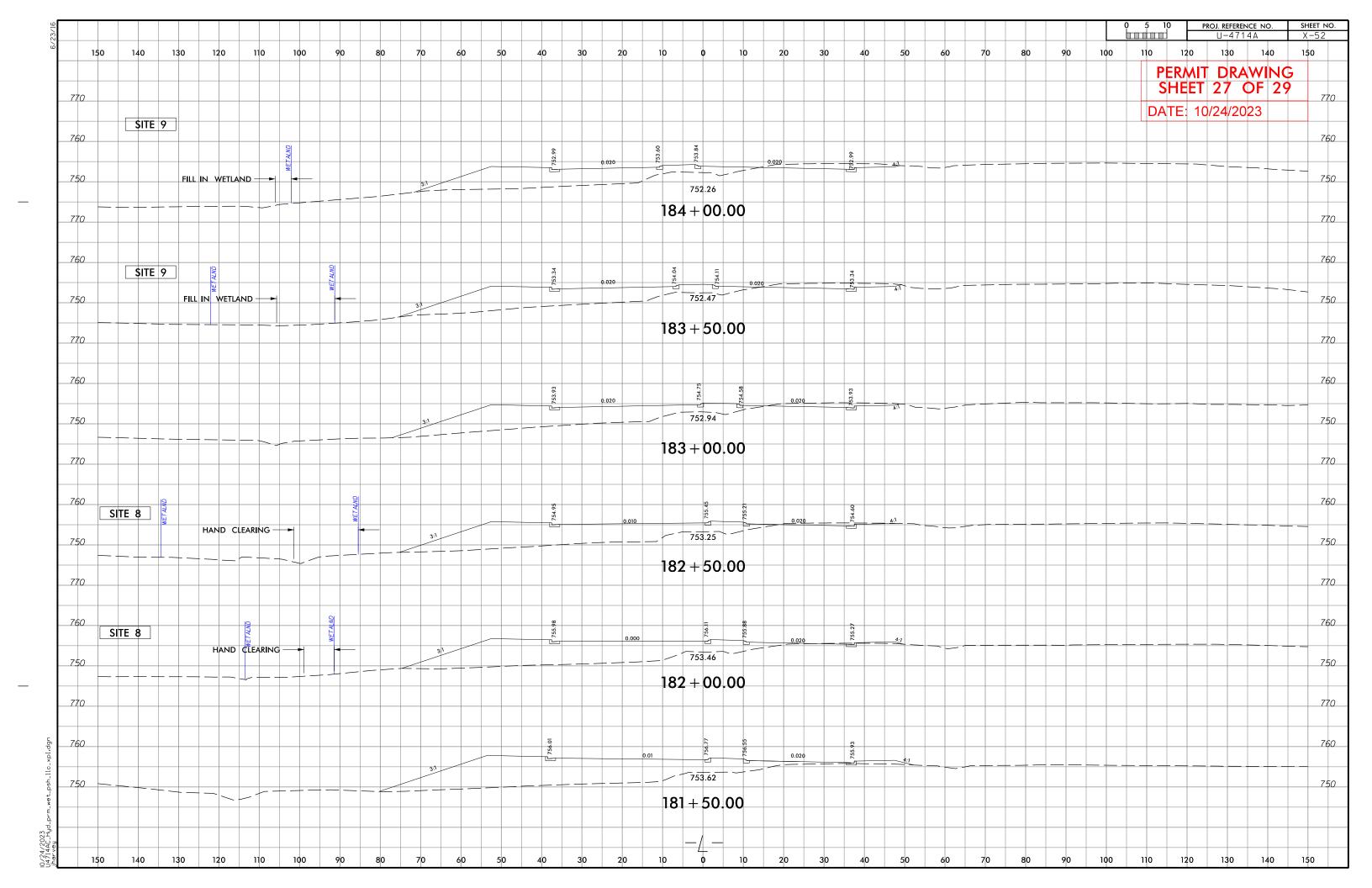












				WE	TLAND IMP	ACTS		Ş	SURFACE	WATER IM	PACTS	
			Permanent	Temp.	Excavation	Mechanized	Hand Clearing	Permanent	Temp.	Existing Channel	Existing Channel	Natural
Site	Station	Structure	Fill In	Fill In	in	Clearing	in	SW	SW	Impacts	Impacts	Stream
No.	(From/To)	Size / Type	Wetlands	Wetlands	Wetlands	in Wetlands	Wetlands	impacts	impacts	Permanent	Temp.	Design
			(ac)	(ac)	(ac)	(ac)	(ac)	(ac)	(ac)	(ft)	(ft)	(ft)
1	103+94 to 104+35-L-	2 at 5'x6' RCBC EXTENSIONS						< 0.01	< 0.01	96	37	
	104+02 to 104+30-L-LT	INLET CHANNEL						< 0.01		43		
	104+08 to 104+24-L-LT	OUTLET CHANNEL						< 0.01		38		
2	107+90 to 112+10-L-	ROADWAY FILL						0.04	< 0.01	395	8	
		POND						< 0.01	1.07			
3	124+87 to 125+64-L-	66" PIPE						0.01		138		
	125+42 to 125+62-L-LT	INLET CHANNEL						< 0.01	< 0.01	43	12	
	124+90 to 124+93-L-RT	OUTLET CHANNEL							< 0.01		13	
		OUTLET BANK STABILIZATION								36		
4	134+00 to 134+47-L-RT	42" PIPE						< 0.01	< 0.01	27	14	
	134+13 to 134+39-L-RT	OUTLET CHANNEL						< 0.01		31		
5	163+72 to 164+87-L-LT	ROADWAY FILL	0.03									
6	164+00 to 164+34-L-LT	ROADWAY FILL						< 0.01		28		
	164+00 to 164+20-L-LT	OUTLET CHANNEL						< 0.01	< 0.01	42	9	
7	170+31 to 173+69-L-	ROADWAY FILL	0.28			< 0.01						
TOTAL	S*:		0.31			< 0.01		0.08	1.08	917	93	0

^{*}Rounded totals are sum of actual impacts

NOTES:

NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
10-24-2023
MECKLENBURG/UNION COUNTY
U-4714AC
39078.3.9
SHEET 28 OF 29

Revised 2018 Feb

				WE	TLAND IMP	ACTS		SURFACE WATER IMPACTS						
Site No.	Station (From/To)	Structure Size / Type	Permanent Fill In Wetlands (ac)	Temp. Fill In Wetlands (ac)	Excavation in Wetlands (ac)	Mechanized Clearing in Wetlands (ac)	Hand Clearing in Wetlands (ac)	Permanent SW impacts (ac)	Temp. SW impacts (ac)	Existing Channel Impacts Permanent (ft)	Existing Channel Impacts Temp. (ft)	Natural Stream Design (ft)		
8	182+48 to 182+78-L-LT	ROADWAY FILL				< 0.01	0.03							
9	183+35 to 184+57-L-LT	OUTLET CHANNEL	0.02			< 0.01								
	TOTALS:	SHEET 28 OF 29	0.31			< 0.01		0.08	1.08	917	93			
OTAL	S*·		0.33			0.01	0.03	0.08	1.08	917	93	0		

^{*}Rounded totals are sum of actual impacts

NOTES:

NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
10-24-2023
MECKLENBURG/UNION COUNTY
U-4714AC
39078.3.9
SHEET 29 OF 29

Revised 2018 Feb

Permit Drawings

U-4714B



North Carolina Department of Transportation

Highway Stormwater Program STORMWATER MANAGEMENT PLAN



Version 3.00; Released August 2021)

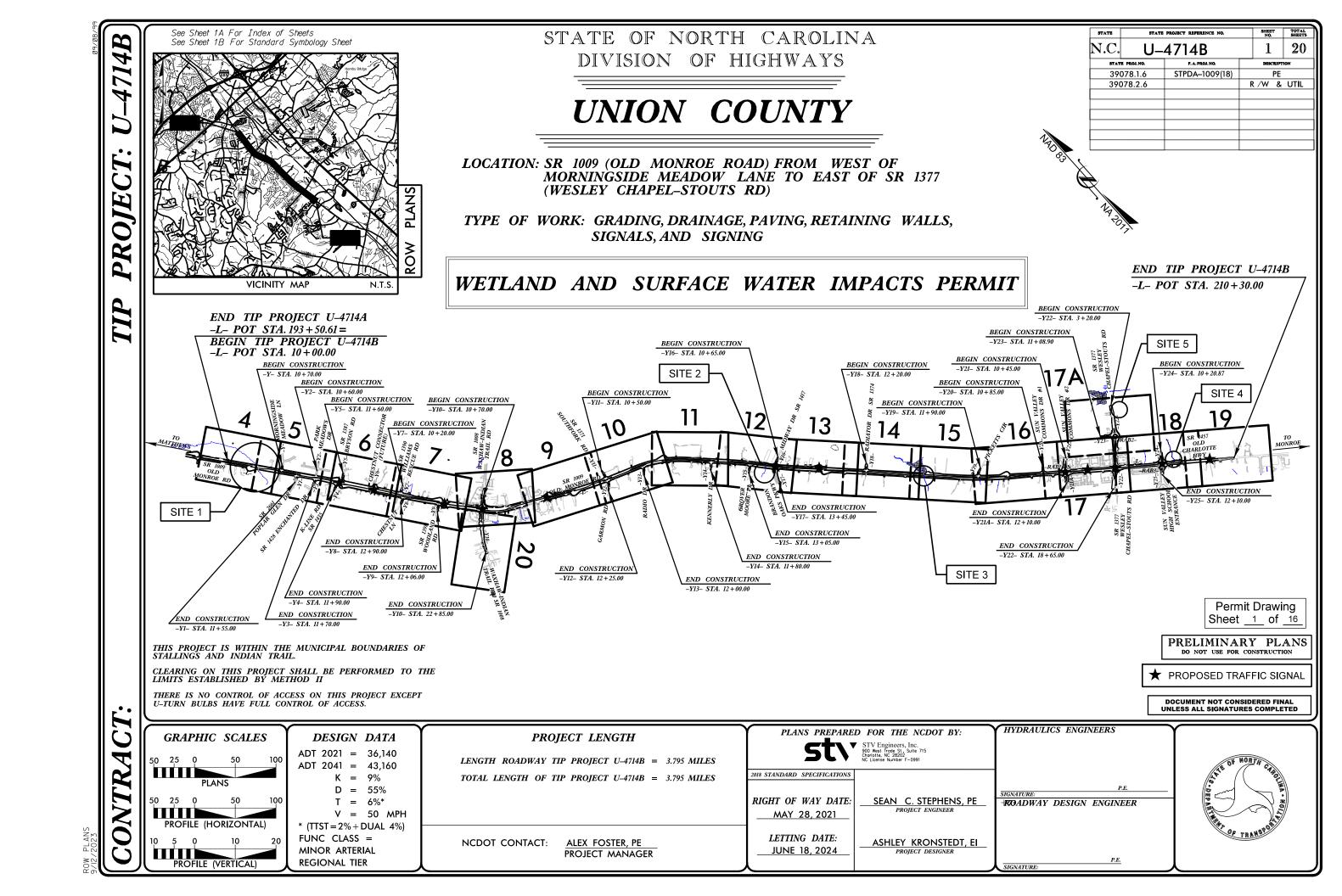
FOR NCDOT PROJECTS WBS Element: TIP/Proj No: U-4714B County(ies): Union Page **General Project Information** WBS Element: TIP Number: U-4714B Project Type: Roadway Widening 9.5.2023 Date: NCDOT Contact: Carlas Sharpless, PE Contractor / Designer: STV Engineers, Inc. Address: 1000 Birch Ridge Drive Address: 900 West Trade Street Suite 715 Raleigh, NC 27610 Charlotte, NC 28202-1144 Phone: (919) 707-6731 Phone: (704) 816-2555 Email: Edward.Vance@stvinc.com Email: crsharpless@ncdot.gov City/Town: Stallings & Indian Trail County(ies): Union River Basin(s): Catawba Yadkin-Pee Dee CAMA County? No Wetlands within Project Limits? Yes **Project Description** Commercial & Residential Project Length (lin. miles or feet): 3.80 Surrounding Land Use: **Existing Site Proposed Project** Project Built-Upon Area (ac.) Typical Cross Section Description: Proposed four 12' travel lanes with a raised median and center turn lanes, Proposed curb Existing two travel lanes with occasional center turn lane and right turn lanes. Sidewalk & gutter and sidewalk along improvement section of roadway. and curb & gutter within more heavily developed parts of the project area Annual Avg Daily Traffic (veh/hr/day): Existing: Design/Future: 43,160 Year: 2041 36,140 2021 Year General Project Narrative: The project includes a proposed four travel lane section, with center turn lanes, raised medians, right turn lanes, roundabouts, sidewalk, and curb and gutter. There are nineteen (Description of Minimization of Water storm water outfalls that carry roadway drainage from the project area and from offsite. Existing drainage systems within the project limits connected to systems outside of the Quality Impacts) ROW will be modified to account for the road widening and tie to the existing pipes of each system. Storm Water Treatment is not provided considering the potential impacts to

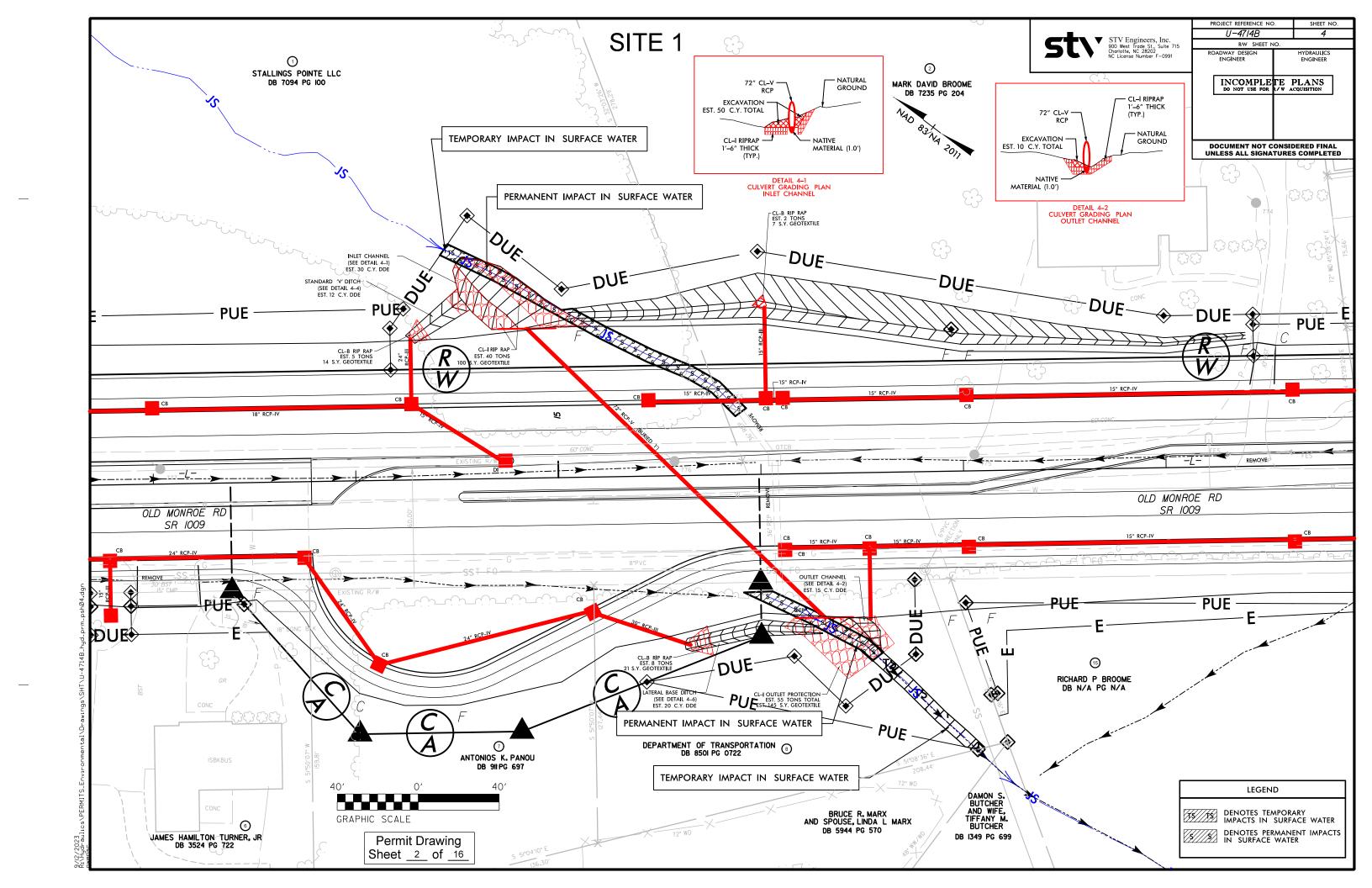
existing utilities, adjacent properties, and existing natural features. Appropriately sized rip rap aprons and/or outfall channel improvements including rip rap lined channels will be constructed at all outfalls to mitigate any potential erosion due to increased flows. There are several existing dry detention basins along -L-(Old Monroe Road) and -Y22- (Wesley Chapel Stouts Road), the proposed roadway improvements will not discharge to these basins. Some of the existing basins currently discharge through the roadside drainage systems in NCDOT ROW, the proposed systems will continue to convey water from these basins to the same outfall points. There are a total of five surface water/wetland impact sites on this section of the project U-4714B. The first permitted site is at approximately -L- Sta. 15+55 and will replace a 36" RCP cross pipe that carries a small tributary to Davis Mine Creek with a 72" RCP pipe that is buried 1'. The replacement pipe will be skewed to better align with the channel. Inlet and outfall improvements with riprap placed on the side slopes of the channel will mitigate erosion issues for this site. The second site will be at approximately -L- Sta. 118+10 and will consist of the removal of a 24" cross pipe conveying a small tributary to Price Mill Creek. A new drainage system with an outfall approximately 60' downstream from the current outfall will replace the existing cross pipe. A rip rap pad will be placed at the outfall to control outfall velocities and minimize potential erosion to the receiving channel. The third site will be located at -L- Sta. 149+20 and is located at a 54" RCP cross pipe at the confluence of two additional unnamed tributaries to Price Mill Creek. The single 54" pipe will be replaced with a dual 6'x6' RCBC that is buried 1'. Inlet and outfall improvements with riprap placed on the side slopes of the channel will mitigate potential erosion issues for this site. The fourth site is conveying a small tributary to South For Crooked Creek at approximately -L- Sta. 198+50 and will replace a 24" RCP cross pipe with a 36" RCP pipe including a rip rap outlet pad. The outfall channel is in a wetland and will be widened and regraded to lower velocities and minimize potential erosion. And the last site is at -Y22- Sta. 0+51 where an existing roadside ditch will be reconstructed with a rip rap lining which outfalls to the downstream end of a dual 30" pipe culvert. This last site is also a small tributary to South Fork Crooked Creek.

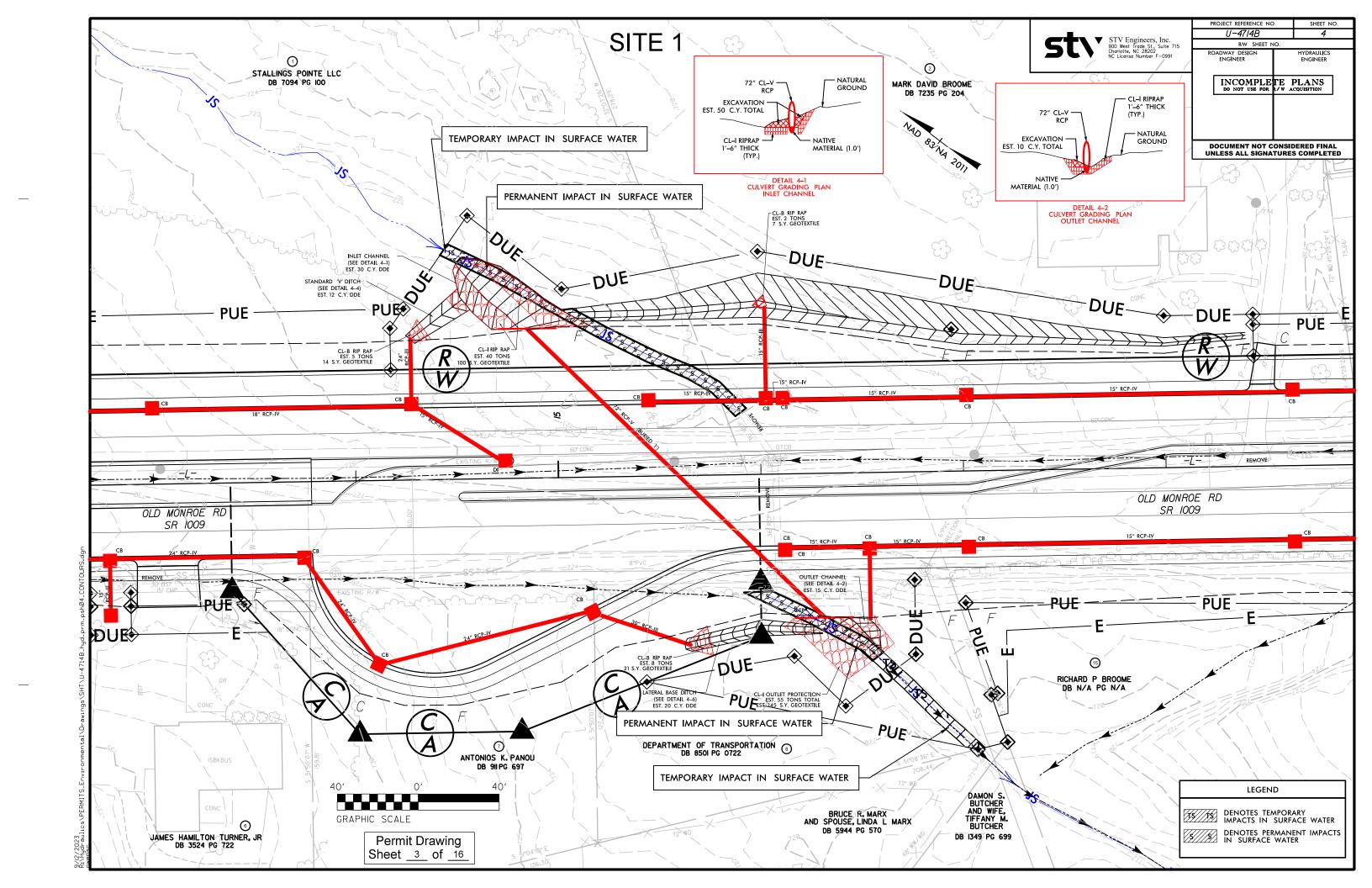
Please fill out all yellow cells as completely as possible. Use pick lists where provided. For more information on the NCDOT Stormwater Management Plan form, please refer to the document, NCDOT Stormwater Best Management Practices Toolbox (2014).

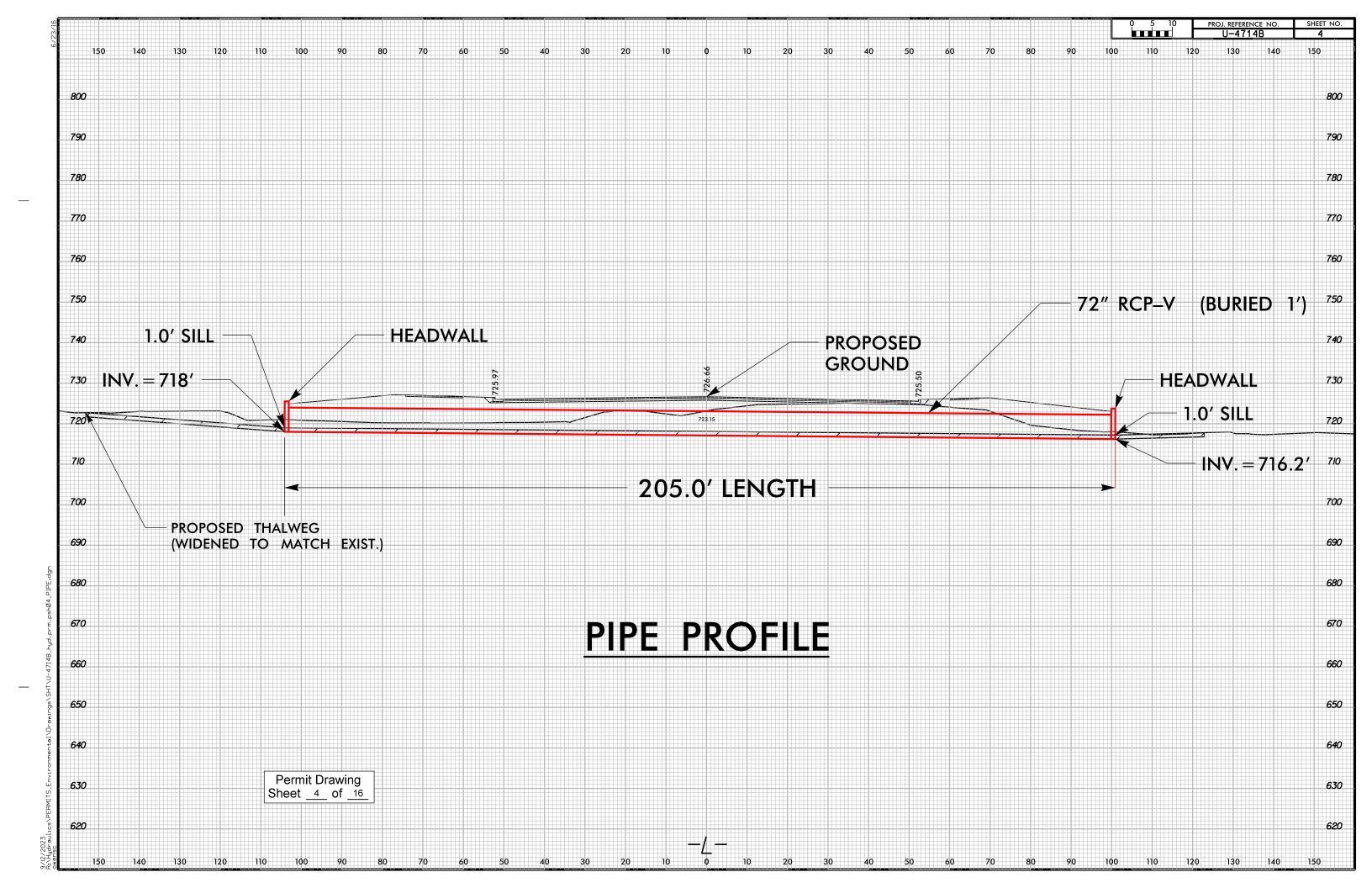
If the project drains to multiple water bodies, please drag the print area down such that Water Bodies 4 through 7 print on the second page, water bodies 8 through 11 on third, etc.

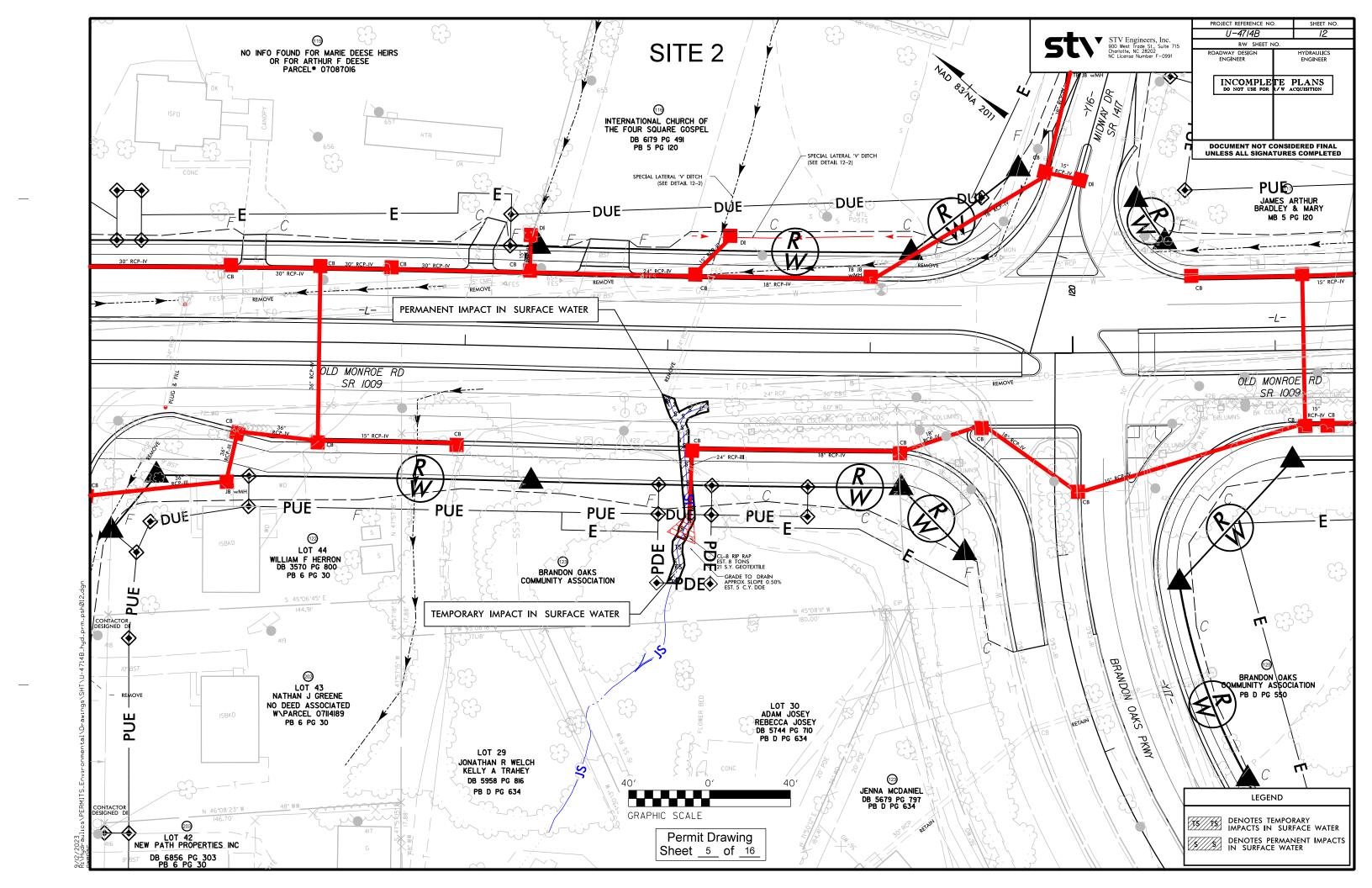
Highway – Stormwater			North Carolina Departme	ent of Transportation	on					
PHENGRAM			Highway Stormw							
(Versian 2.00) Belegged August 2024)			STORMWATER MAN						OF TRANS	
(Version 3.00; Released August 2021) WBS Element:	TIP/Proj No.:	U-4714B	FOR NCDOT P County(ies):				Page	2	of 2	
WBS Element.	Til // Toj No	0-47 140					rage		01 2	
			General Project I							
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		5	Waterbody Info			T	44 400 0 0 4			
Surface Water Body (1):		Davis Mi	ne Creek	NCDWR Stream In			11-138-2-2-1			
NCDWR Surface Water Classification for	r Water Body		Primary Classification:	Class	C					
1			Supplemental Classification:						i '	
Other Stream Classification:										
Impairments:	No	ne							1	
Aquatic T&E Species?	No	Comments:								
NRTR Stream ID:	SR					Buffer Rules in Effect:			N/A	
Project Includes Bridge Spanning Water	r Body?	No		Deck Drains Discharge Over Buffer? N/A			n Buffer?			
Deck Drains Discharge Over Water Body	y?	N/A	(If yes, provide justification in	the General Project	Narrative)	(If yes, describe in the Ge			, justify in the	
(If yes, provide justification in the C	General Project Na	arrative)				Gene	ral Project Nar	rative)		
Surface Water Body (2):		South Fork C	rooked Creek	NCDWR Stream In	idex No.:		13-17-20-2			
NCDWR Surface Water Classification for Water Body			Primary Classification:	Class	С				,	
NCDWN Surface Water Classification for	i water body		Supplemental Classification:						j '	
Other Stream Classification:										
Impairments:	biological ir	mpairment							l	
Aquatic T&E Species?	No	Comments:				_				
NRTR Stream ID:	SX, SY, SZ					Buffer Rules in Effect:		N/A		
Project Includes Bridge Spanning Water	Body?	No	Deck Drains Discharge Over Bu	ffer?	N/A	Dissipator Pads Provided			N/A	
Deck Drains Discharge Over Water Body	y?	N/A	(If yes, provide justification in	the General Project	Narrative)	(If yes, describe in the Ge			, justify in the	
(If yes, provide justification in the C	General Project Na	arrative)				Gene	ral Project Nar	rative)		
Surface Water Body (3):		Price M	ill Creek	NCDWR Stream In	idex No.:		11-138-2-2			
NCDWR Surface Water Classification for	r Water Body		Primary Classification:	Class	С					
NCDWN Surface Water Classification for	i water body		Supplemental Classification:						j '	
									i '	
Other Stream Classification:								İ		
Impairments:	None									
Aquatic T&E Species?	No	Comments:								
NRTR Stream ID:	ST, SU, SV, SW					Buffer Rules in Effect:			N/A	
Project Includes Bridge Spanning Water	Body?	No	Deck Drains Discharge Over Bu	ffer?	N/A	Dissipator Pads Provided			N/A	
Deck Drains Discharge Over Water Body	(If yes, provide justification in	the General Project	(If yes, describe in the General Project Narrative; if no, justify in the							
(If yes, provide justification in the C	General Project Na	arrative)				General Project Narrative)				

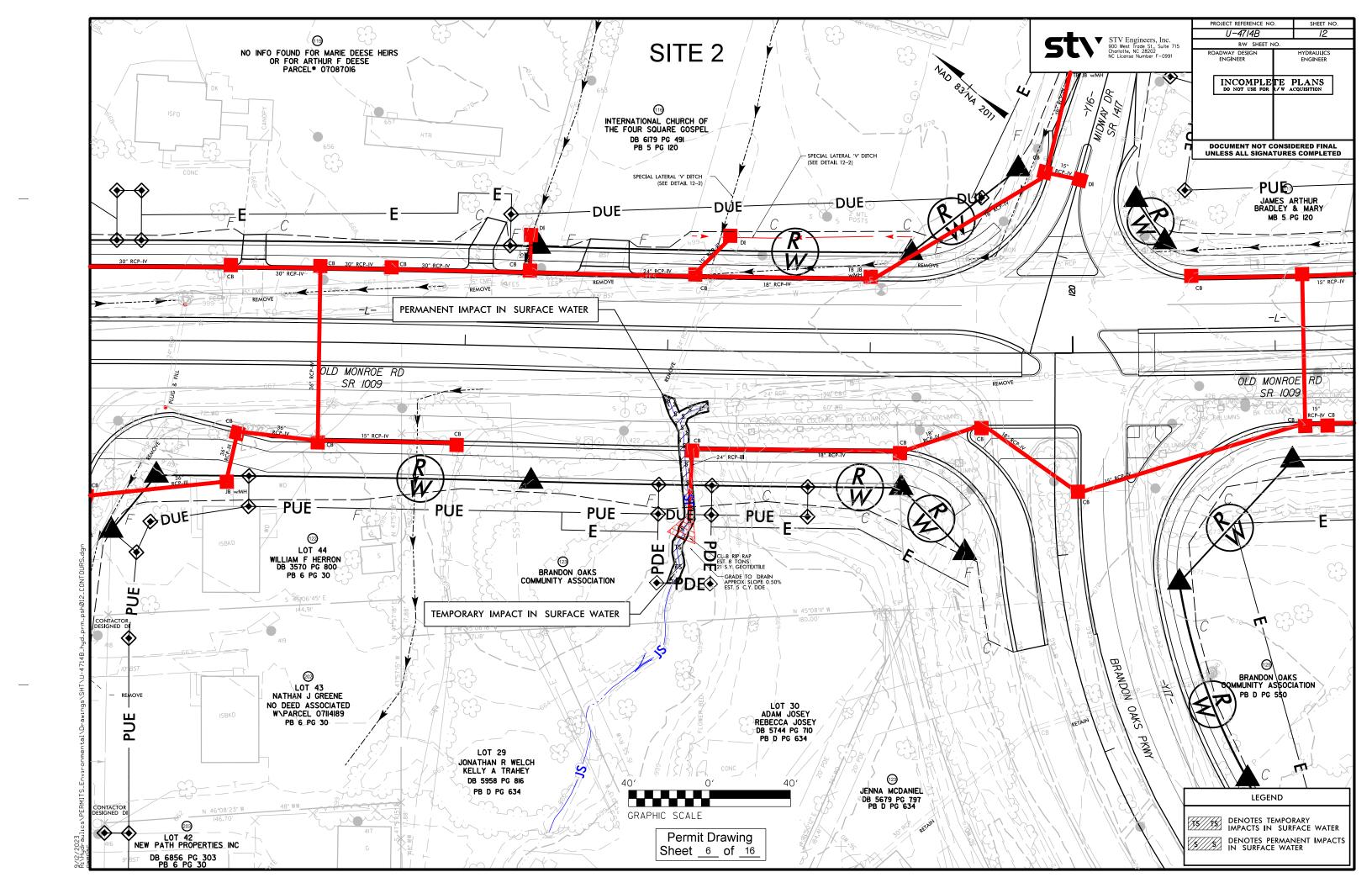


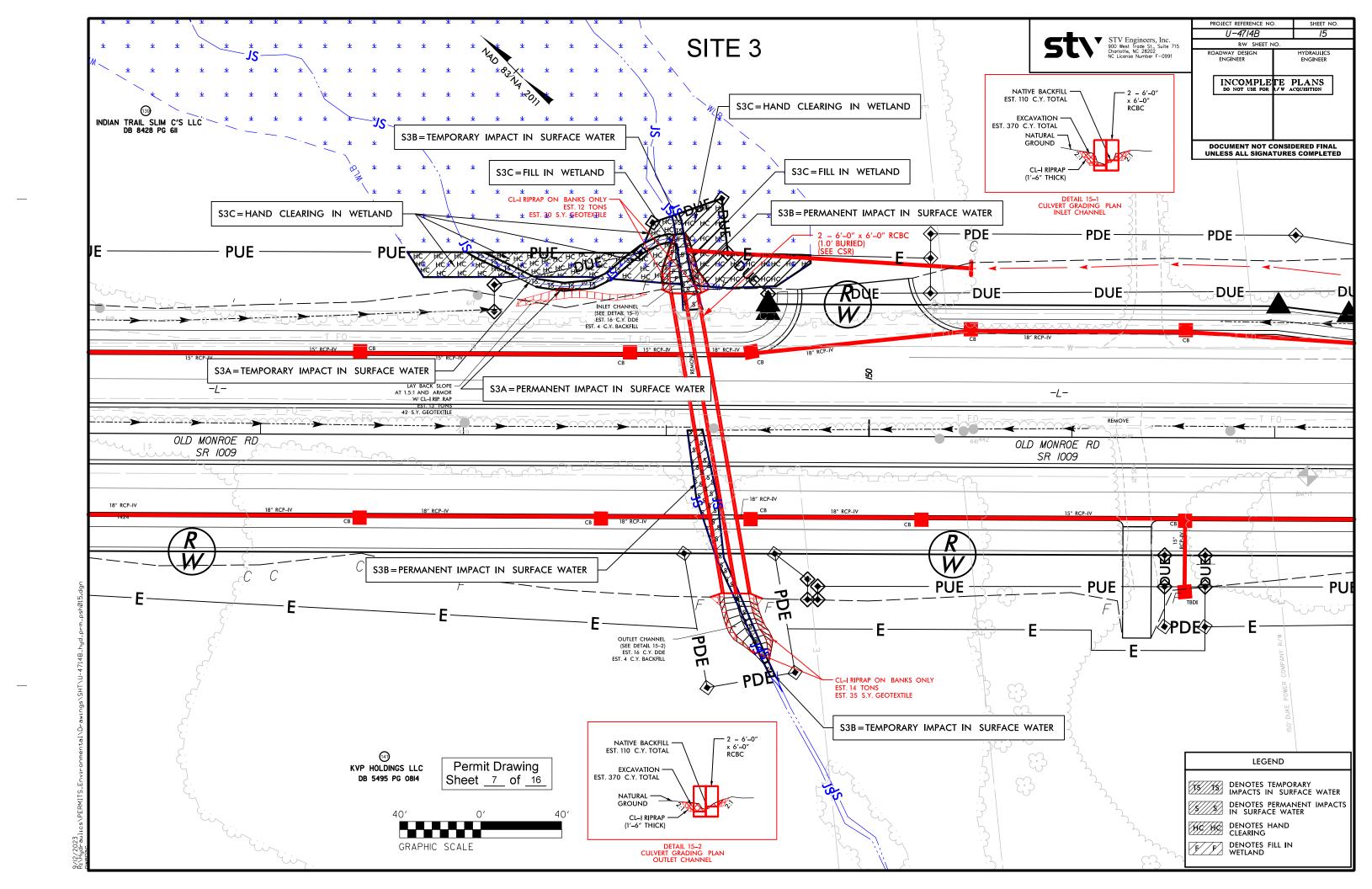


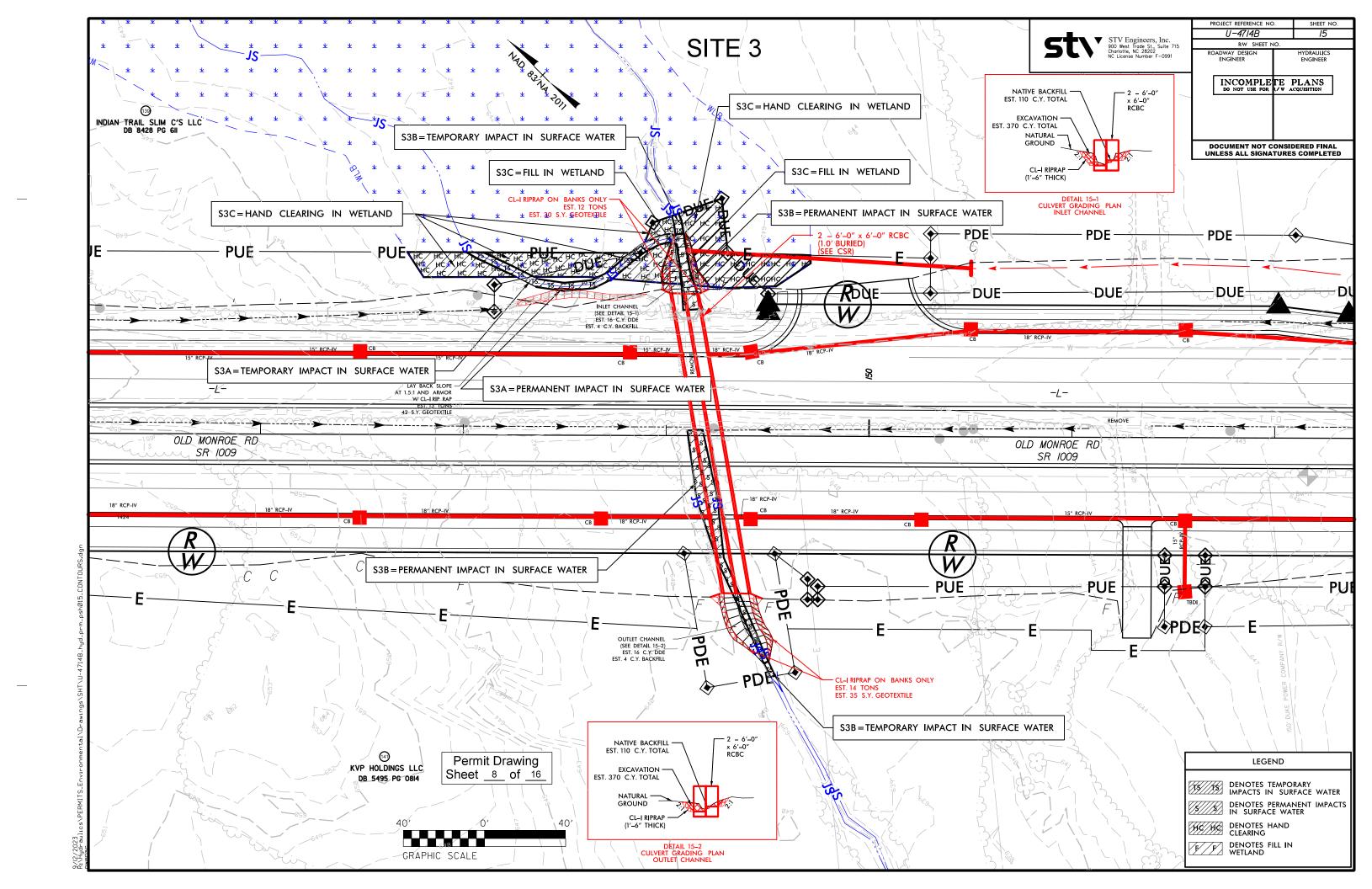


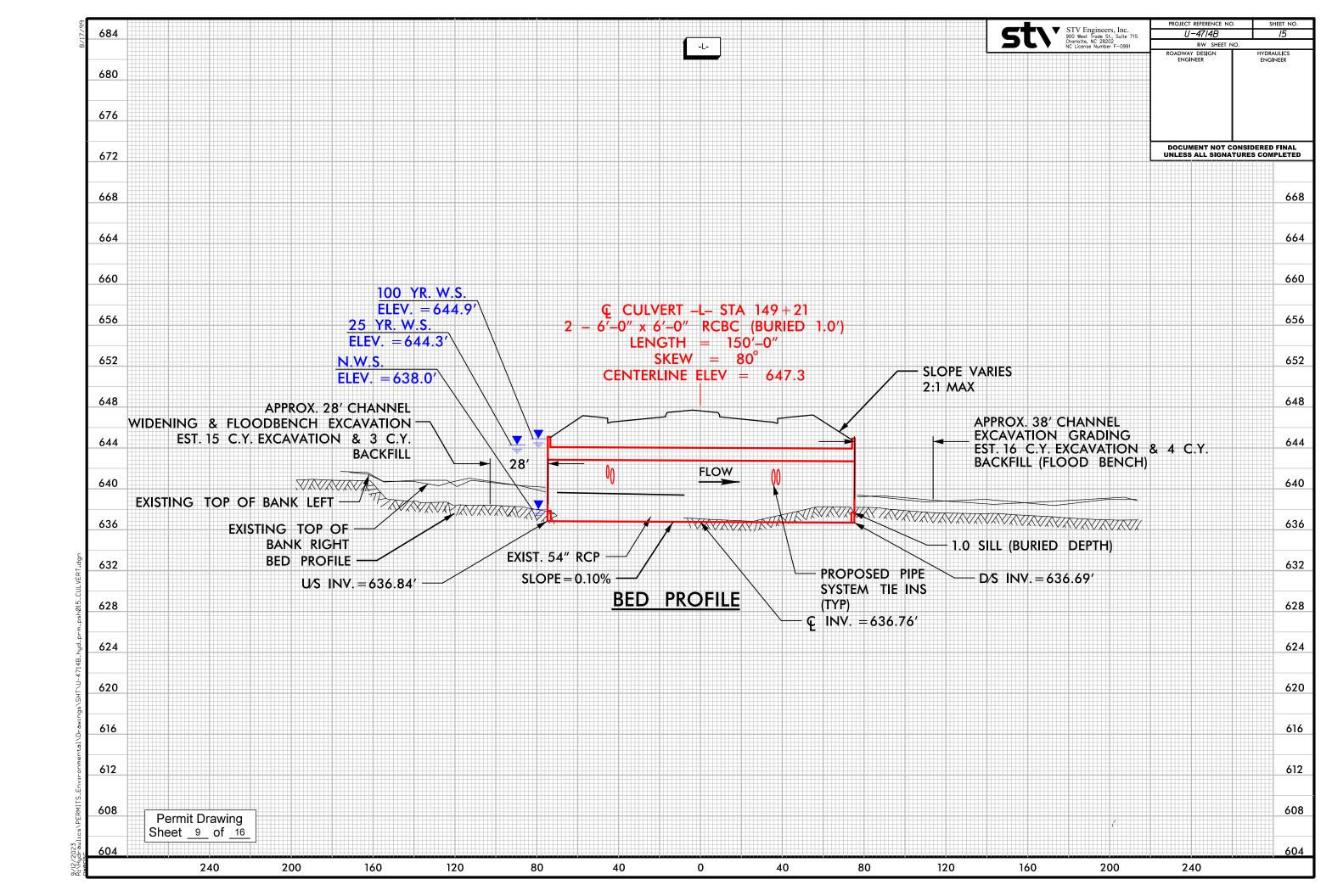


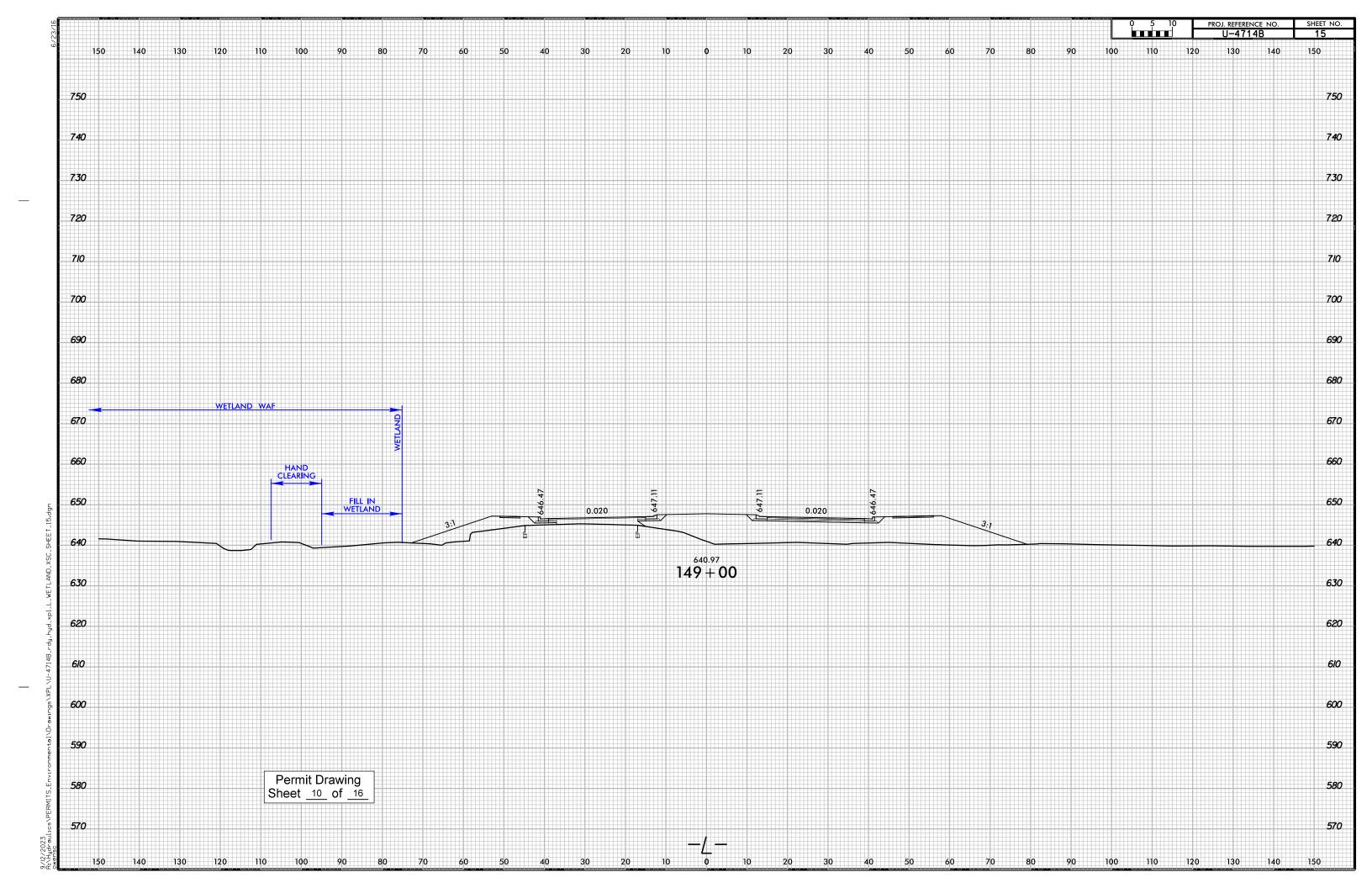


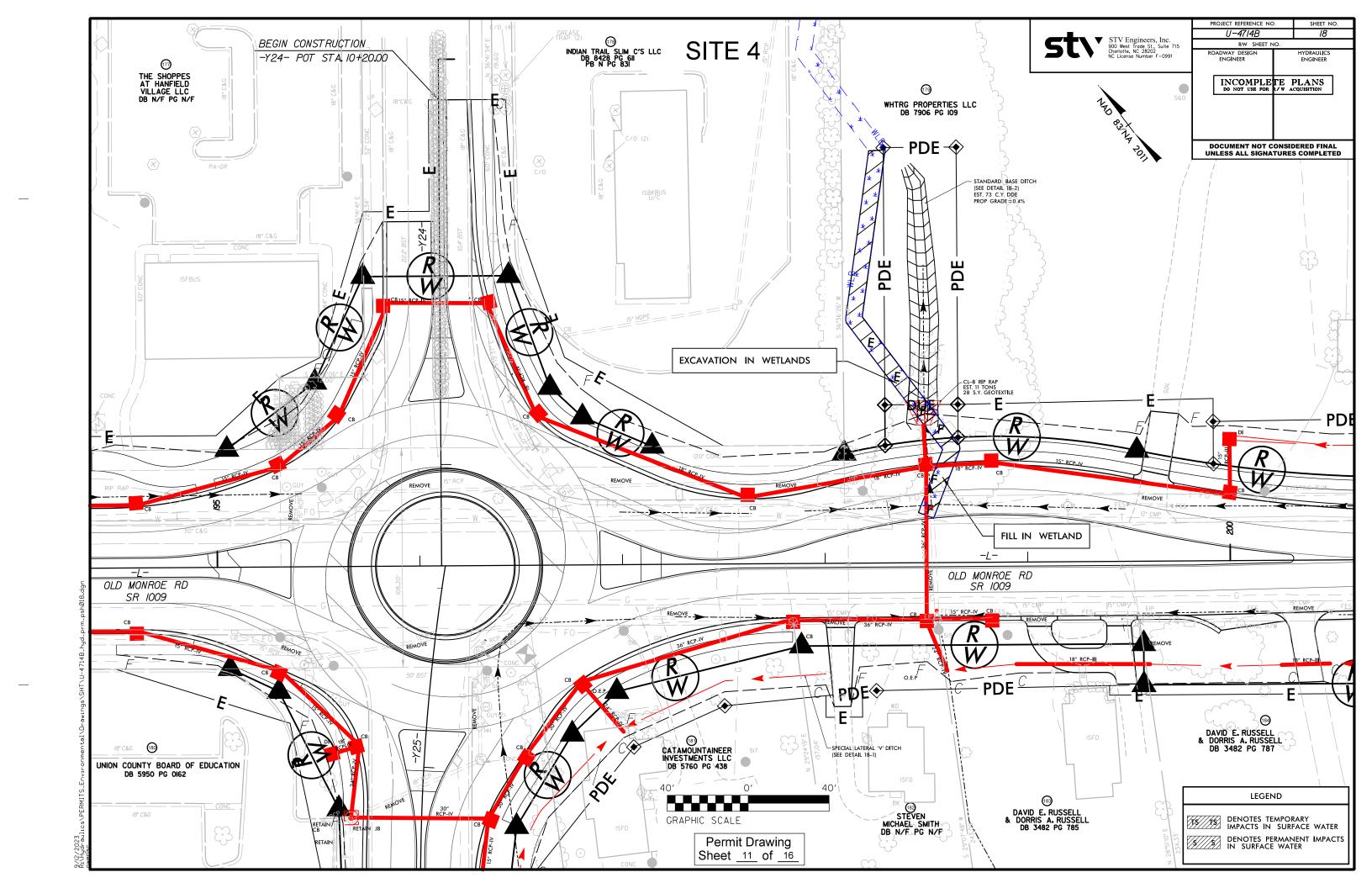


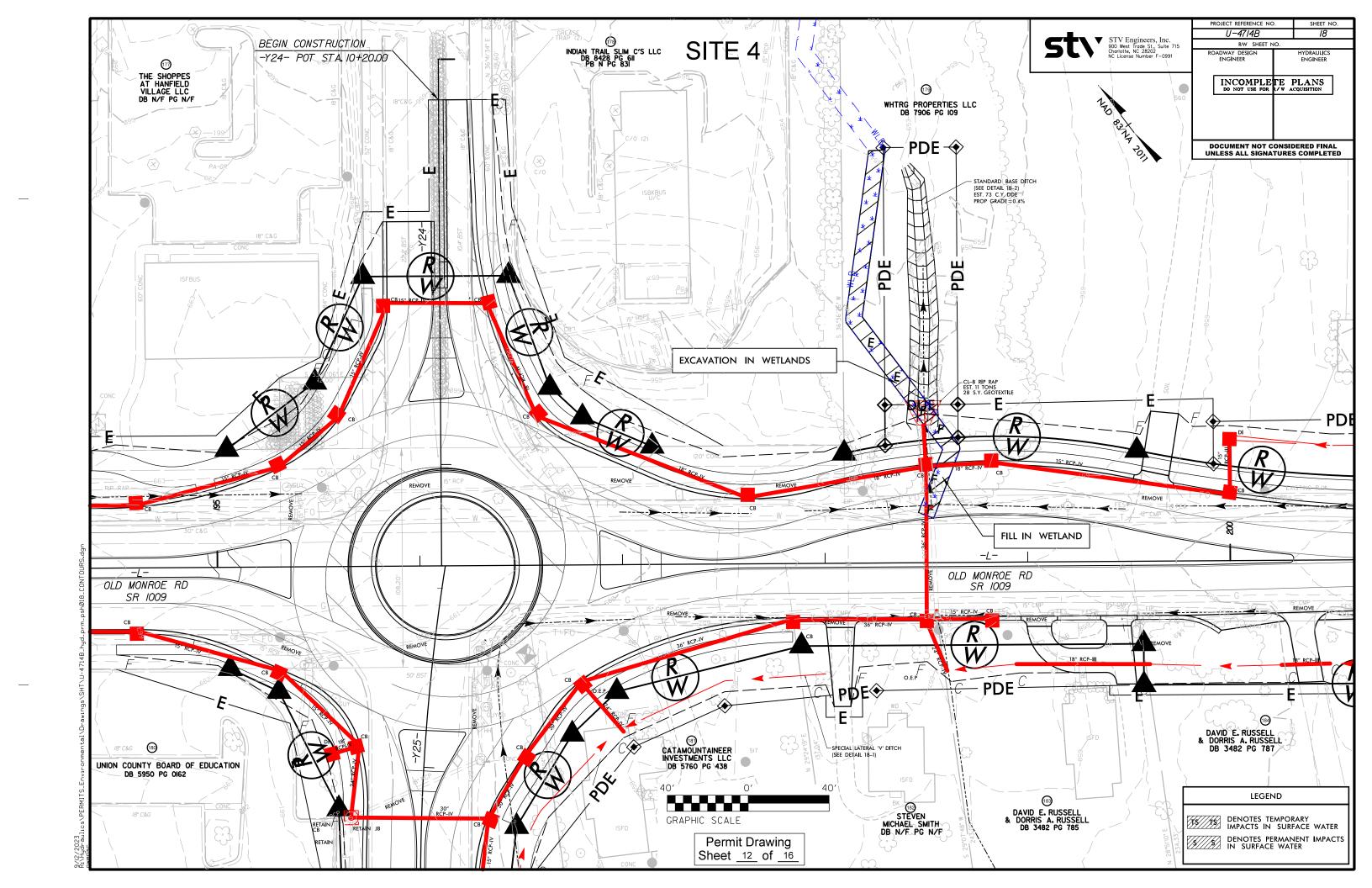


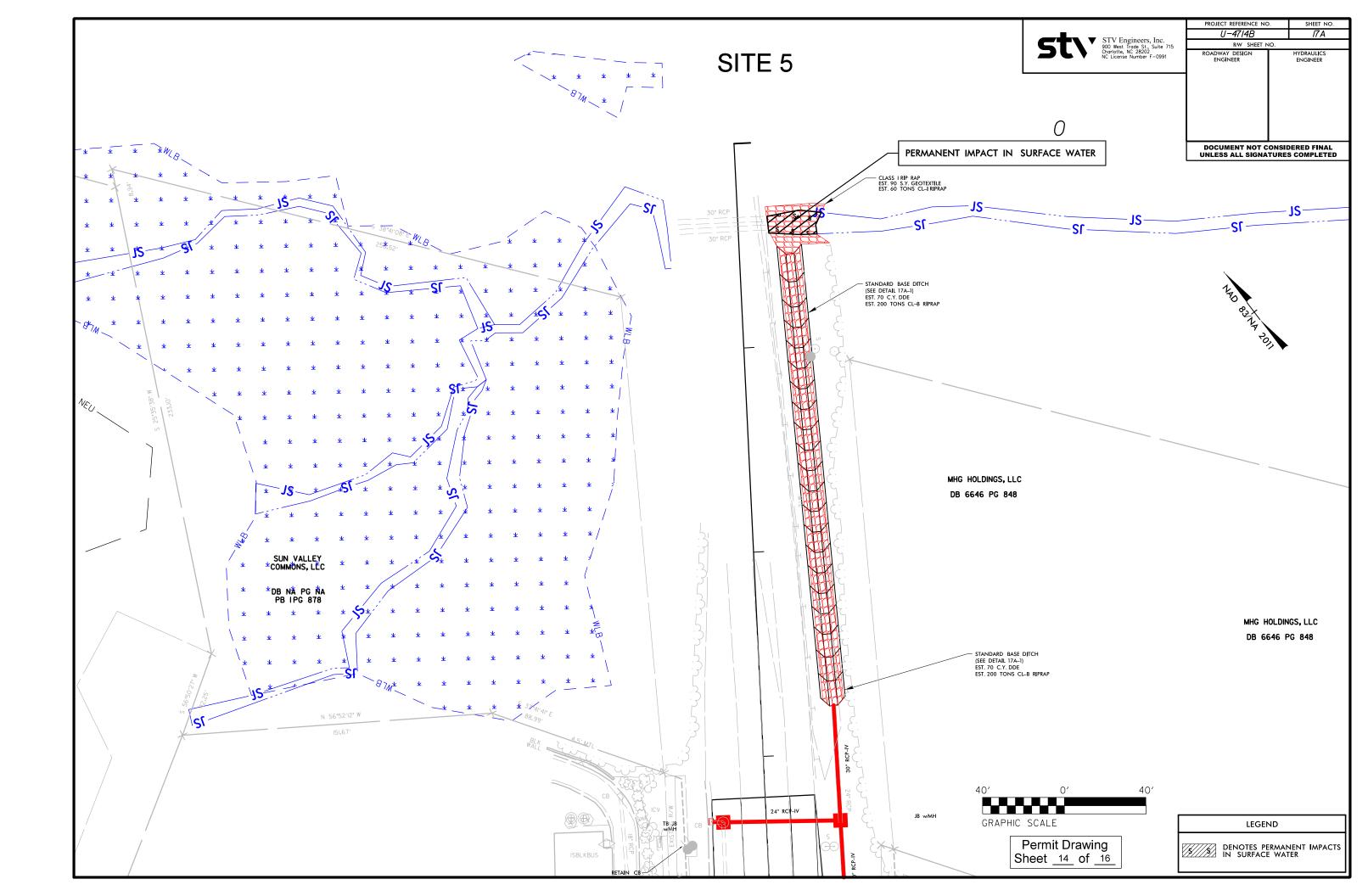


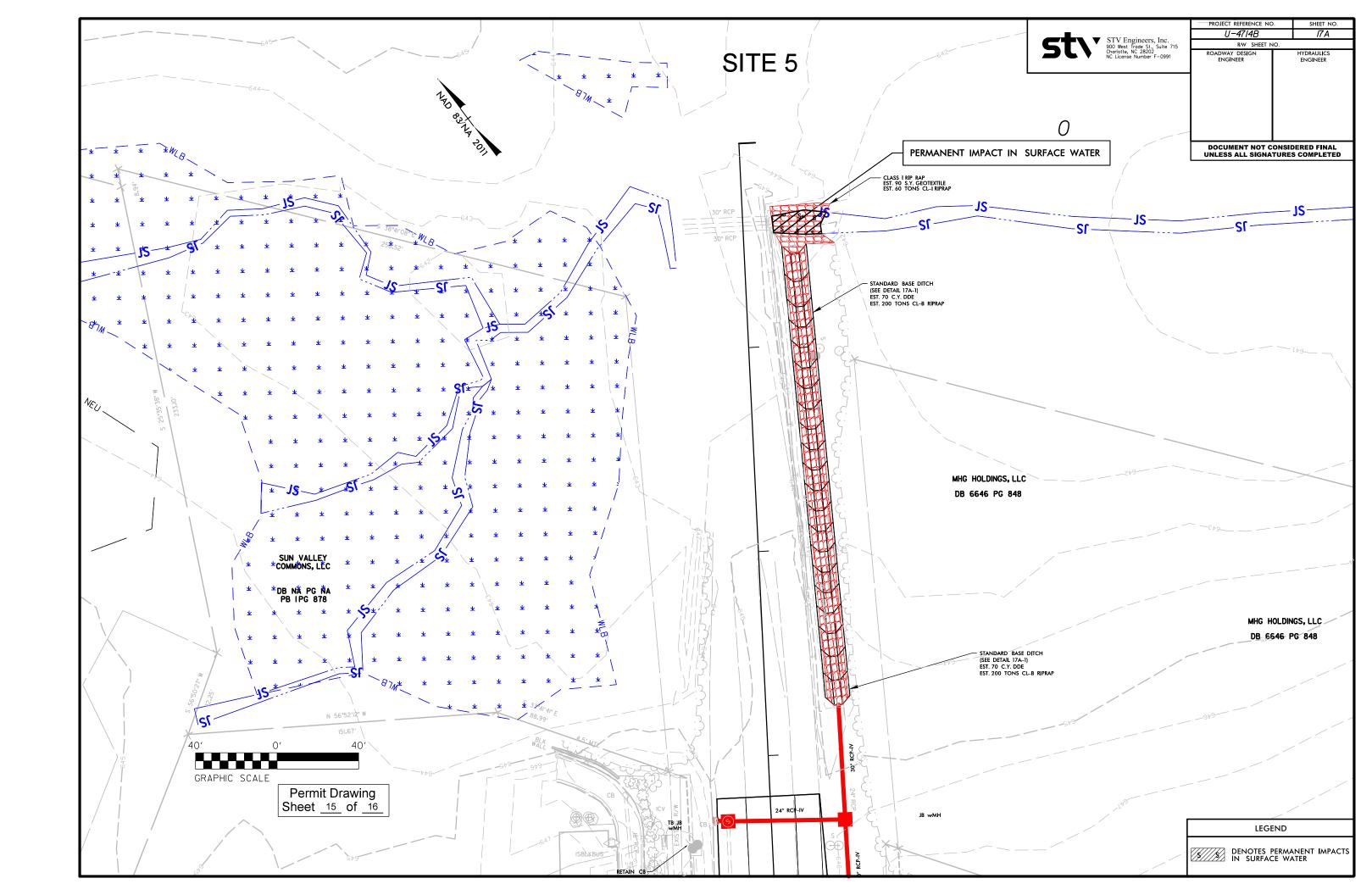












					TLAND IMP	ACTS				WATER IM	PACTS	
			Permanent	Temp.	Excavation		Hand Clearing	Permanent	Temp.	Existing Channel	Existing Channel	Natural
Site	Station	Structure	Fill In	Fill In	in	Clearing	in	SW	SW	Impacts	Impacts	Stream
No.	(From/To)	Size / Type	Wetlands	Wetlands	Wetlands	in Wetlands	Wetlands	impacts	impacts	Permanent		Design
	(* 1 2 , 1 2 /		(ac)	(ac)	(ac)	(ac)	(ac)	(ac)	(ac)	(ft)	(ft)	(ft)
1	14+43.30 TO 17+08.40	72" RCP		, ,			, ,	0.03	0.01	235	88	
2	117+97.98 TO 118+20.64	24" RCP						< 0.01	< 0.01	73	23	
3A	148+01.09 TO 149+03.50	2-6' x 6' RCBC						< 0.01	< 0.01	10	112	
3B	149+02.19 TO 149+54.30	2-6' x 6' RCBC						0.02	< 0.01	162	18	
3C	147+71.98 TO 149+63.11	2-6' x 6' RCBC	< 0.01				0.06					
4	198+10.92 TO 198+66.87	36" RCP	0.01		0.03							
5	-Y22- +33.92 TO 0+45.97	Armoring						< 0.01		28		
TOTAL	_S*:		0.01		0.03		0.06	0.07	0.03	508	241	0

*Rounded totals are sum of actual impacts

NOTES:

NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
WEST OF MORNINGSIDE MEADOW LN.
TO EAST OF WESLEY CHAPEL-STOUTS RD
UNION COUNTY

U-4714B

SHEET

16

F

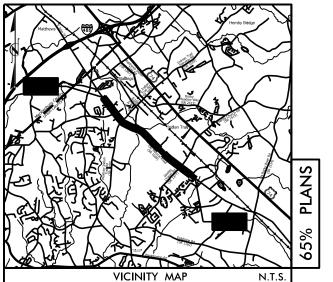
16

Permit Drawings

U-4714B Utilities

IEC PRO

See Sheet 1A For Index of Sheets See Sheet 1B For Standard Symbology Sheet



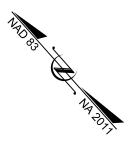
STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

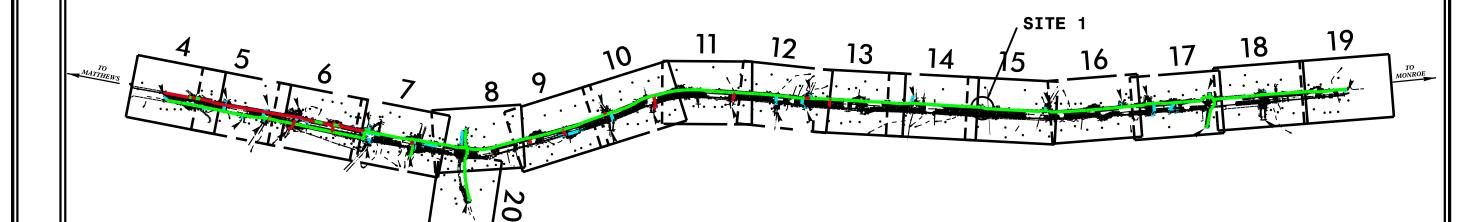
UNION COUNTY

LOCATION: SR 1009 (OLD MONROE ROAD) FROM WEST OF MORNINGSIDE MEADOW LANE TO EAST OF SR 1377 (WESLEY CHAPEL-STOUTS RD)

> ENVIRONMENTAL PERMIT DRAWING FOR WATER LINE RELOCATION

STATE	STATE		SHEET NO.	TOTAL SHEETS				
N.C.	U–	4714B	714B					
STAT	B PROJ. NO.	P. A. PROJ. NO.		DESCRIPTION				
39	078.1.6			PE				
i								





INCOMPLETE PLANS

★ PROPOSED TRAFFIC SIC

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

GRAPHIC SCALES DESIGN DATA ADT 2021 = 36,140

ADT 2041 = 43,160K = 9%D = 55%PROFILE (HORIZONTAL)

PROFILE (VERTICAL)

T = 6%* V = 50 MPH* (TTST = 2% + DUAL 4%) FUNC CLASS = MINOR ARTERIAL

REGIONAL TIER

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT U-4714B = 3.795 MILES LENGTH STRUCTURE TIP PROJECT U-4714B = 0.000 MILES TOTAL LENGTH OF TIP PROJECT U-4714B = 3.795 MILES

2018 STANDARD SPECIFICATIONS RIGHT OF WAY DATE. FEBRUARY 15, 2019

PLANS PREPARED FOR THE NCDOT BY:

LETTING DATE: FEBRUARY 16, 2021

SEAN C. STEPHENS, PE PROJECT ENGINEER STEPHANIE PHILLIPS, EIT
PROJECT DESIGNER

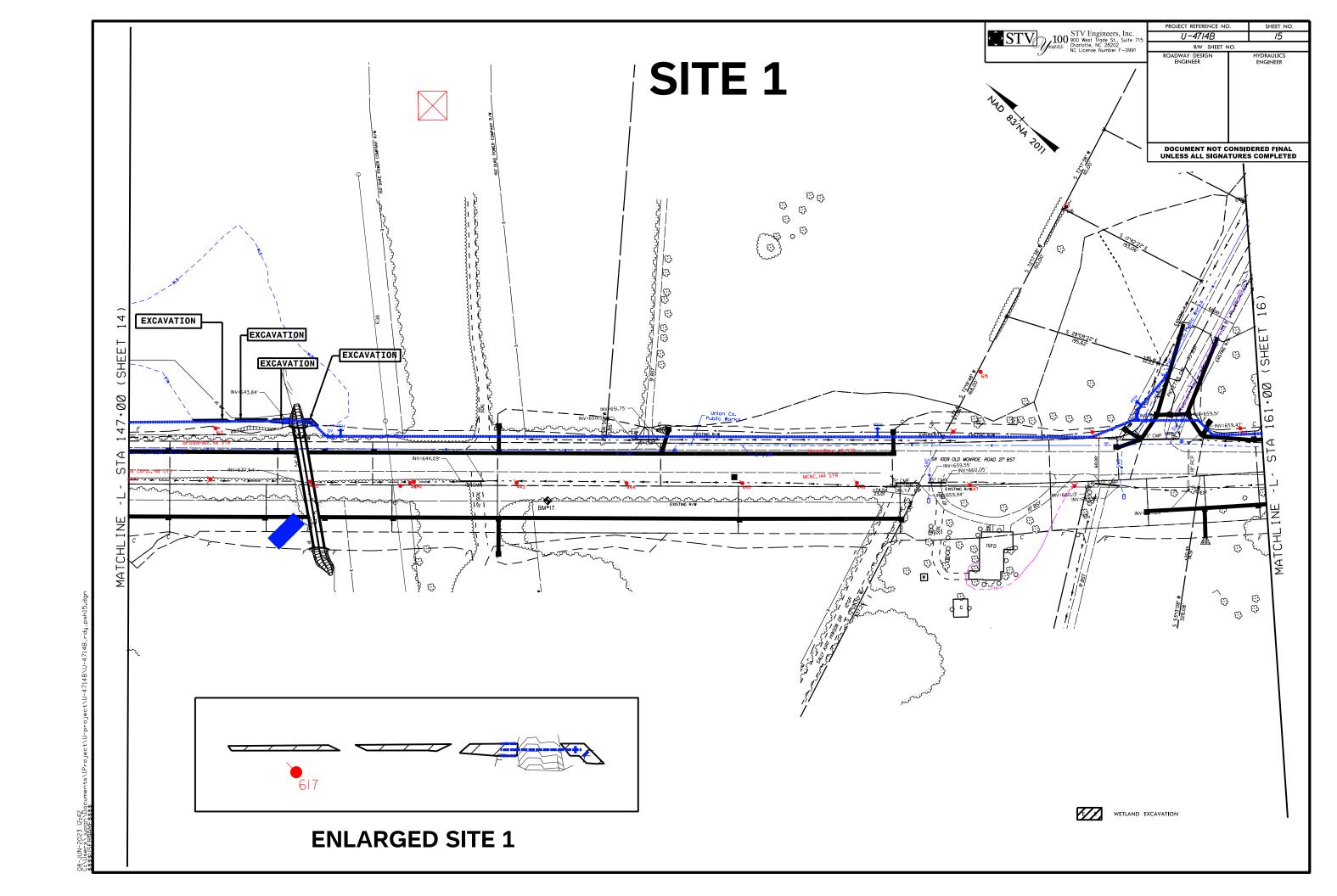
BRYAN KEY, PE

PROJECT ENGINEER NCDOT ROADWAY DESIGN

ROADWAY DESIGN ENGINEER

HYDRAULICS ENGINEERS





			WETLAND PERMIT IMPACT SUMMARY											
					WI	ETLAND IMPA	ACTS				SURFA	CE WATER II	MPACTS	
Site	Station	Structure	404 Permanent Fill In	Fill In	Temp. Fill In	in	Mechanized Clearing	404 Hand Clearing	CAMA Hand Clearing	Permanent SW	Temp. SW	Existing Channel Impacts	Temporary Channel Impacts	Temporary Wetland Impacts
No.	(From/To)	Size / Type	Wetlands (ac)	Wetlands (ac)	Wetlands (ac)	Wetlands (ac)	in Wetlands (ac)	in Wetlands (ac)	in Wetlands (ac)	impacts (ac)	impacts (ac)	Permanent (ft)	(ft)	*** (ac)
1	-L- 147+78	Prop. Water Line				<0.01*								
	-L- 148+31	Prop. Water Line				<0.01*								
	-L- 148+73	Prop. Water Line				<0.01*								
	-L- 149+15	Prop. Water Line				<0.01*								
OTALS:						<0.01*	0.00	0.00	0.00	0.00	0.00	0	0	0.00

^{*} Temporary Excavation

***includes temporary fill or excavation for dewatering and stream work NC DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

UNION COUNTY WBS - 39078.2.6 (U-4714B)

SHEET

ATN Revised 3/31/05

^{*} Excavation will be set to the side and then place back into the hole.

Permit Drawings

U-4714AA

PRELIMINARY



North Carolina Department of Transportation

Highway Stormwater Program STORMWATER MANAGEMENT PLAN



FOR NCDOT PROJECTS

(Version 2.08; Released A				FOR NCDOT								
WBS Element:	39078.1.2	TIP No.:	U-4714A	County(ies):	Mecklenburg			P	age 1	of	1	
				General Project	Information							
WBS Element:		39078.1.2		TIP Number: U-4714A		Project	Туре:	Roadway Widening	Date:	6/14/2	2021	
NCDOT Contact:		David Webb, PE			Contractor / Desig			Dalton, PE				
	Address:	NCDOT Hydrauli	cs Unit			Address:	Sungate D	esign Group, P.A.				
		1590 Mail Service	е				905 Jones	Franklin Road				
		Raleigh, NC 276	99-1590				Raleigh, N	C 27606				
	Phone:	(919) 707-6731				Phone:	(919) 859-2	2243				
	Email:	dswebb1@ncdot	.gov			Email:	il: jdalton@sungatedesign.com					
City/Town:			Matt	hews	County(ies):	Meckle	ecklenburg					
River Basin(s):		Cata	wba		CAMA County? No							
Wetlands within Pro	ject Limits?	Yes										
				Project Des								
Project Length (lin. r	niles or feet):	3.	37	Surrounding Land Use:	Commercial, Indust	trial, Medium D	ensity Resi	idential, Forest				
				Proposed Project				Existing Site				
Project Built-Upon A			35.9 ac. 21.9 ac.									
Typical Cross Section	n Description:			l lanes (total 44') with 2'-6" curb a): Open shoulder section, 2				
				turn lane (total 0'-42') Varying 10'ng 5' -10' width pedestiran sidewa	`			/arying fill and cut slopes. Cu ith 10' concrete sidewalk. Va				
		with guardiall) Si	odider with varyin	ig 0 -10 widin pedesinan sidewa	IIX.	paved lattes ((total 50) WI	iti 10 concrete sidewalk. Va	i ying ilii ariu t	at siopes.		
Annual Ave Dally To	offic (wob/b=/d=:/\			4.500				45.000			001=	
Annual Avg Daily Tra General Project Narr	, ,,	Design/Future		4,500 Yea		Existing:		45,000 (SP 1000) in Matthows NC			2017 major	
(Description of Minir				vements to East John Street, which								
Quality Impacts)				oncrete Box Culvert extension with		0		,	, ,			
, p ,		xtension will require a channel realignment to smoothly tie the existing channel with the culvert extension. This structure has been designed to have as little environmental and										
		surface water imp	pacts as possible	. Velocities at jurisdictional feature	es and wetlands are n	on-erosive.		_				
				Waterbody Ir	formation							
Surface Water Body	(1):		UT to Four	mile Creek	NCDWR Stream In	ndex No.:		11-137-	9-4			
-		. M		Primary Classification:	Class							
NCDWR Surface Wa	ter Classification fo	r water Body		Supplemental Classification:								
Other Stream Classification: None												
Impairments: None												
Aquatic T&E Species	s?	No	Comments:		1			, , , , , , , , , , , , , , , , , , ,				
NRTR Stream ID:							Buffer Rul	les in Effect:		N/A		
Project Includes Brid	dge Spanning Water	Body?	No	Deck Drains Discharge Over B	uffer?	N/A		r Pads Provided in Buffer?		N/A		
					the General Project							
	le justification in the 0			1	,	,	` , , ,	General Project			-	
() ==, p. o v. o	,		/	1								

PROIEC

SEE SHEET 1B FOR CONVENTIONAL SYMBOLS

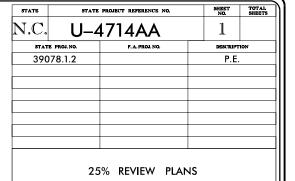
MATTHEWS POP. 25,442

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

MECKLENBURG & UNION COUNTIES

LOCATION: SR 1009 (JOHN STREET\OLD MONROE ROAD) FROM SR 3448\SR 3474 (TRADE STREET) TO WEST OF MORNINGSIDE MEADOW LANE (EXCLUDING I-485 INTERCHANGE)

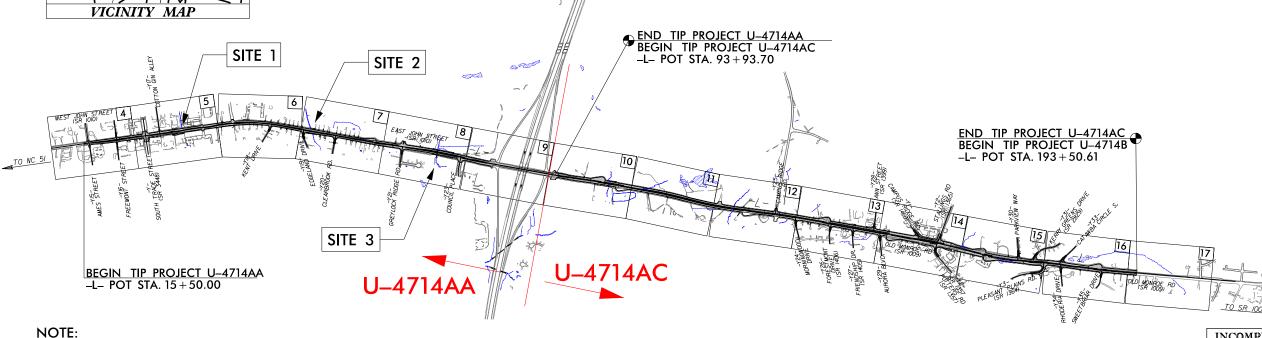
TYPE OF WORK: GRADING, PAVING, AND DRAINAGE



PERMIT DRAWING SHEET 1 OF 15

DATE: 8/3/2023

WETLAND AND SURFACE WATER IMPACTS PERMIT



1. THIS PROJECT IS WITHIN THE MUNICIPAL BOUNDARIES OF THE CITY OF MATTHEWS.

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

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



GRAPHIC SCALES	
50 25 0 50 100 PLANS	A[A[
50 25 0 50 100 PROFILE (HORIZONTAL)	
10 5 0 10 20 PROFILE (VERTICAL)	

DESIGN DATA $\Delta DT 2017 = 45.000$ $\Delta DT 2037 = 54,500$ K = 6 %= 55 %

= 40 MPH

* TTST =1% DUAL 3% FUNC CLASS = MINOR ARTERIAL

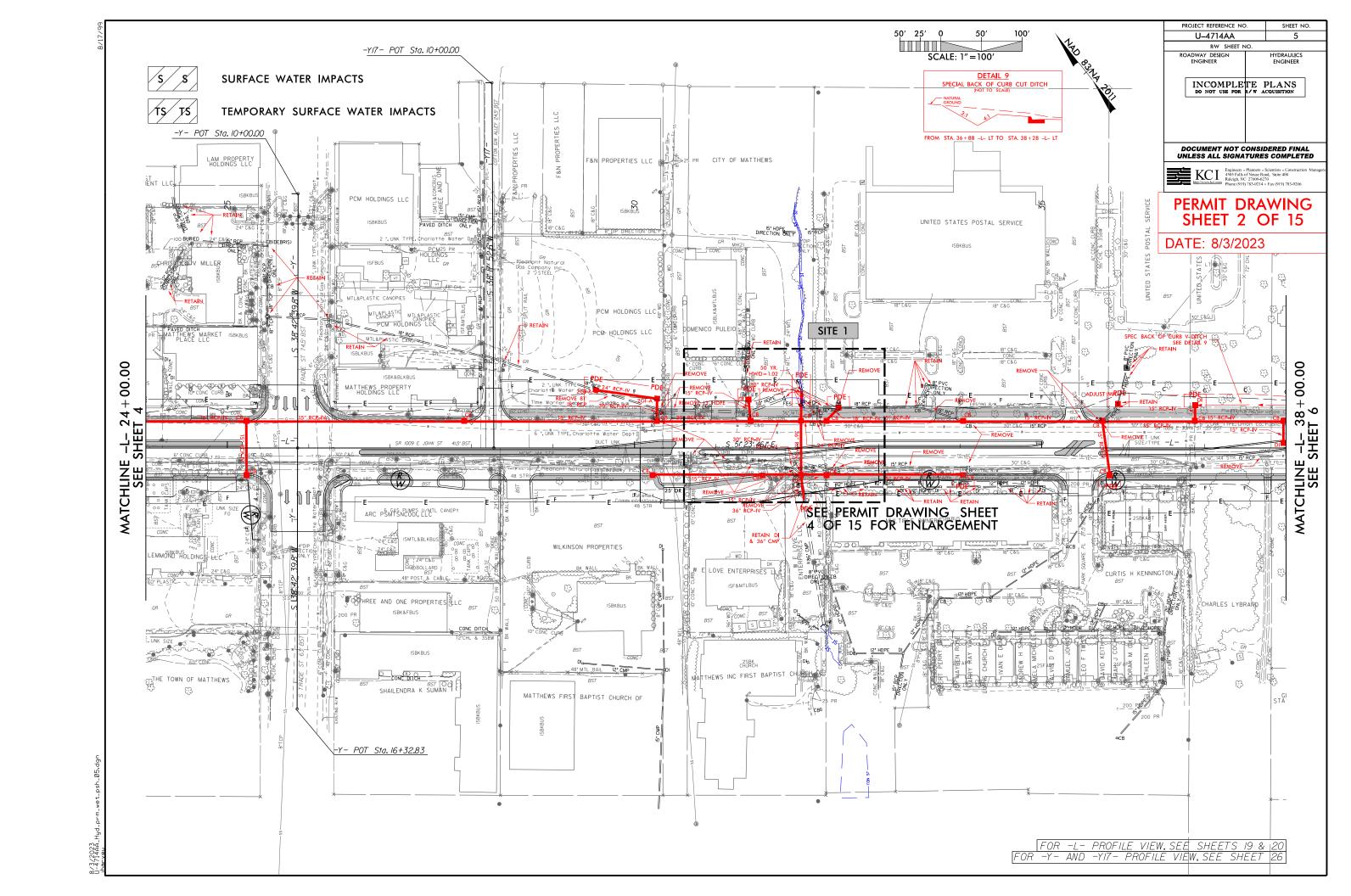
TOTAL LENGTH OF TIP PROJECT U-4714A = 3.371 MILES

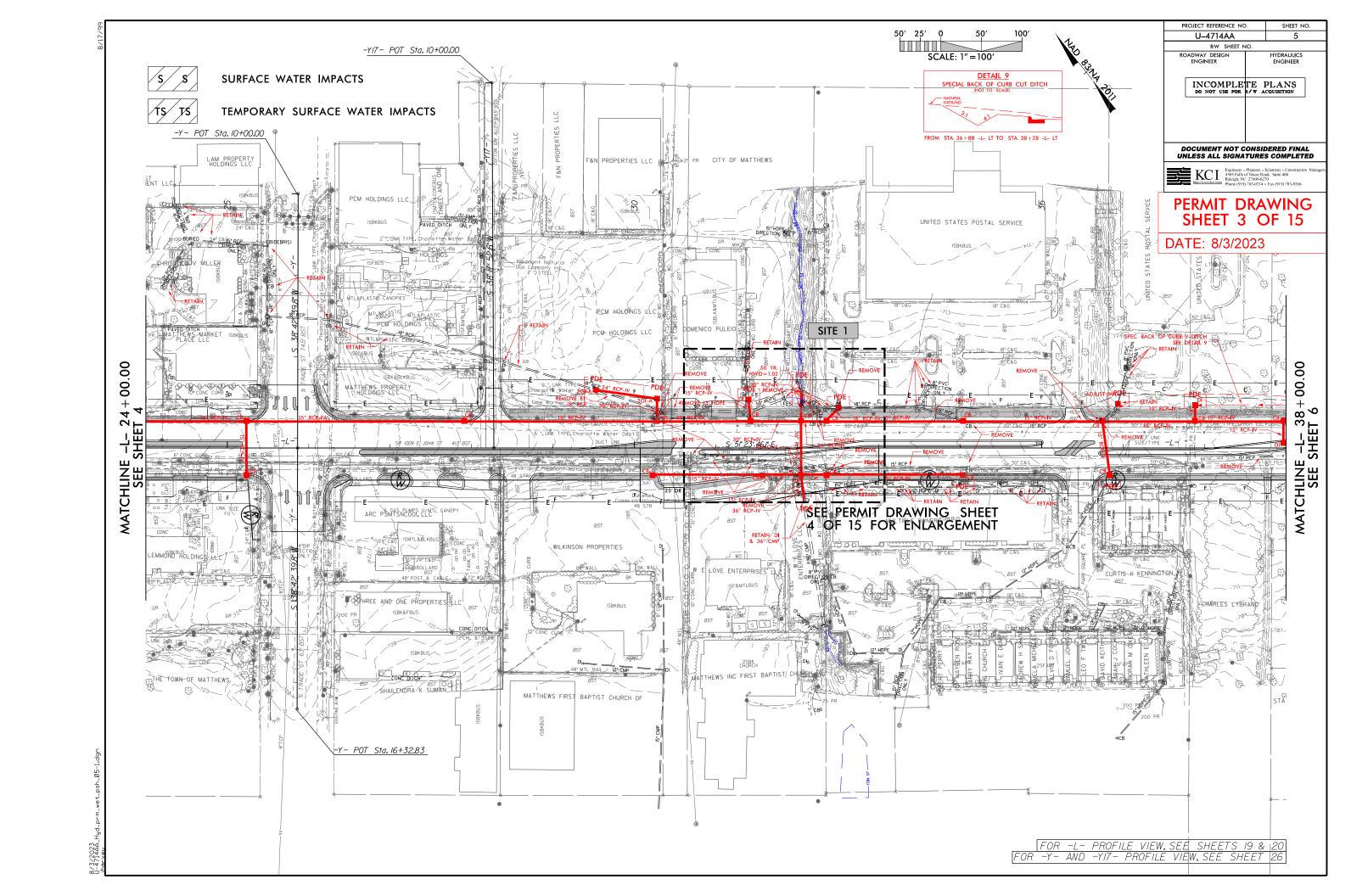
PROJECT LENGTH

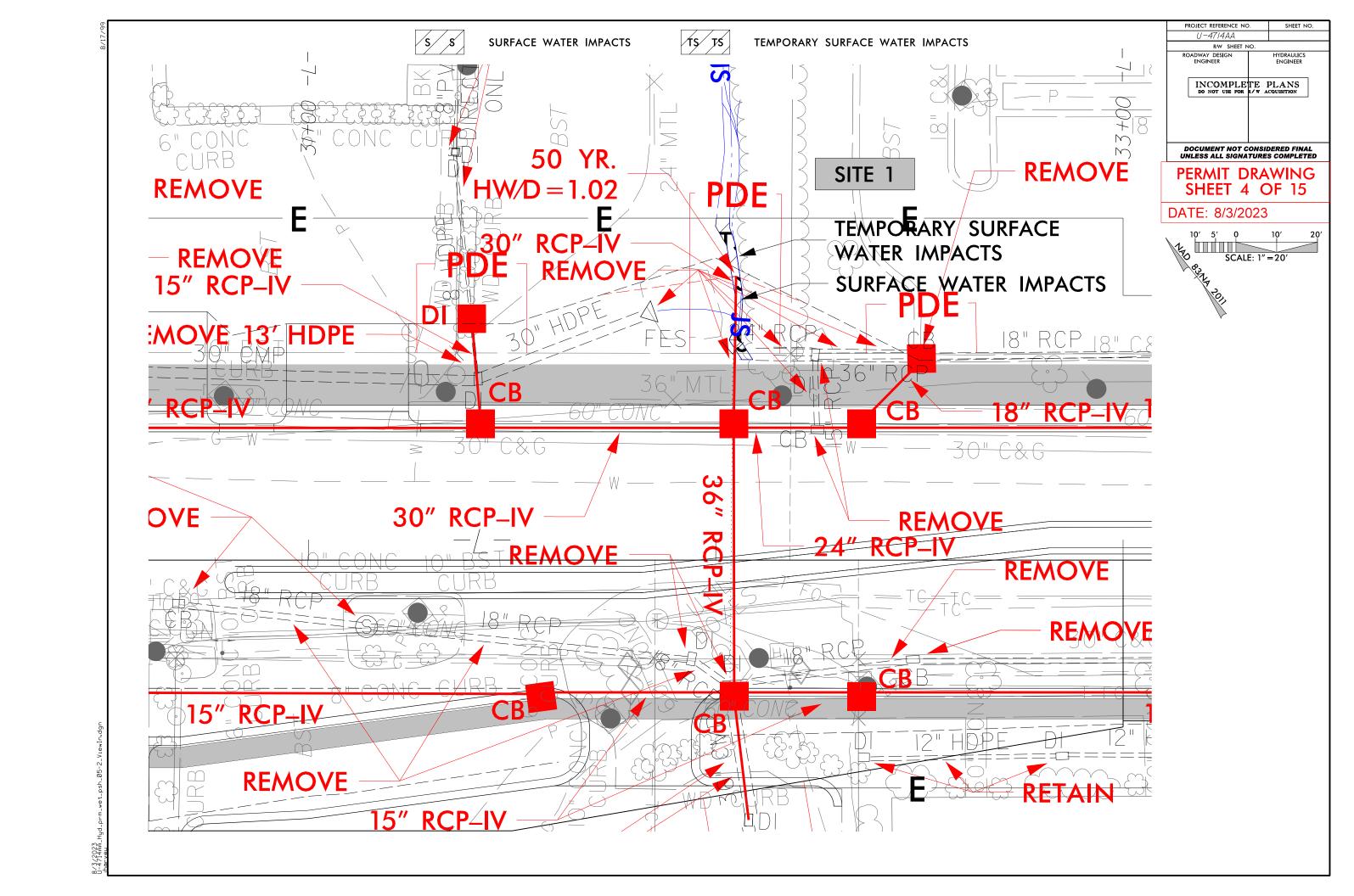
r repured in the diffee di.	Tions Troparco Tor.	niDn
KCI Associates of N.C., P.A. 4505 Falls of Neuse Road, Suite 400 Raleigh, NC 27609 Phone (919) 783-9214 Fax (919) 783-9266	DIVISION OF HIGHWAYS	
2018 STANDARD SPECIFICATIONS		
RIGHT OF WAY DATE:	DEWAYNE L. SYKES, PE PROJECT ENGINEER	SIGNATURE:
		ROA
LETTING DATE:	BRYAN E. HOUGH, PE	
	PROJECT DESIGN ENGINEER	
NCDOT CONTACT:	BRYAN KEY, PE	
	PROJECT ENGINEER - NCDOT	SIGNATURE:

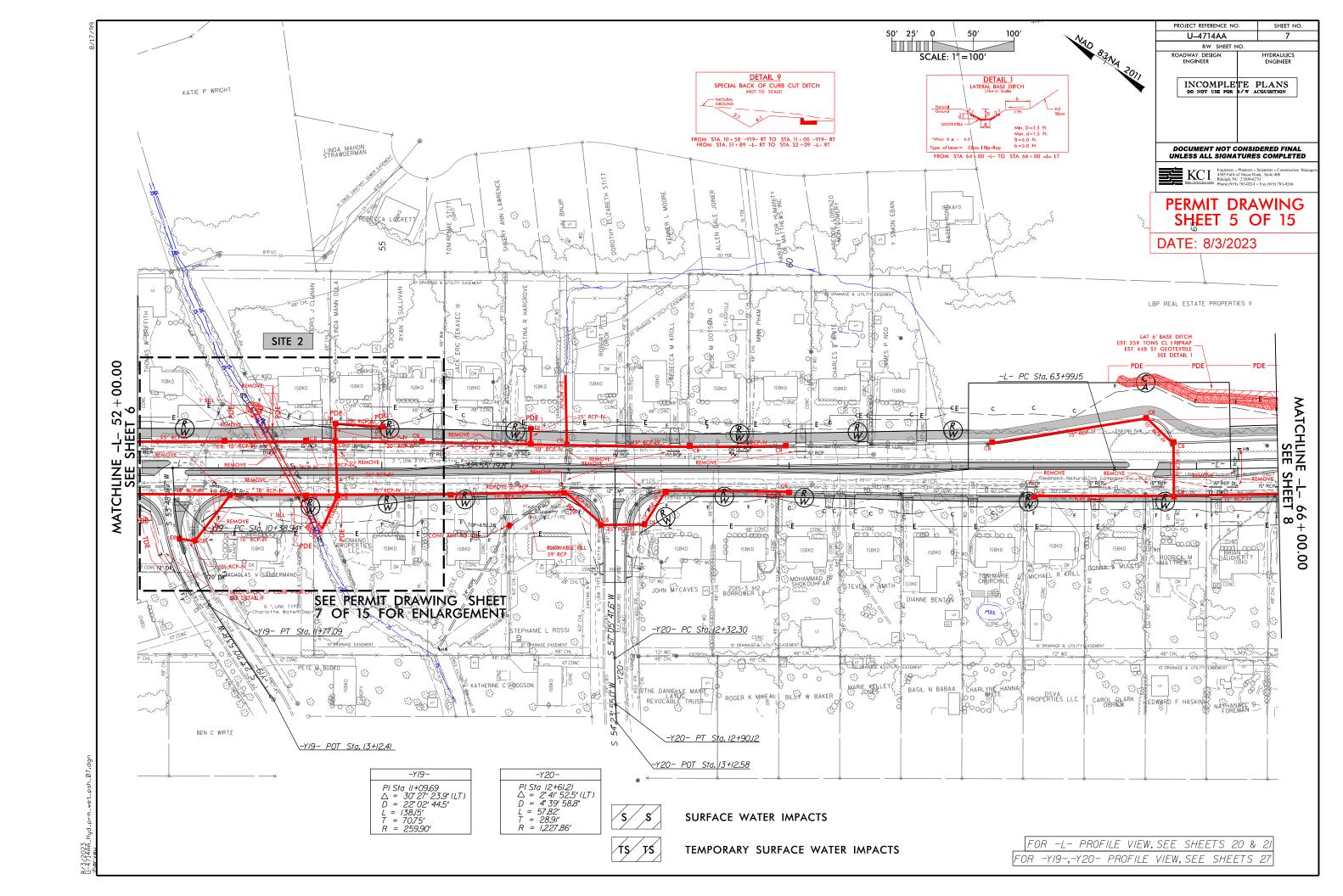
HYDRAULICS ENGINEER ROADWAY DESIGN **ENGINEER**

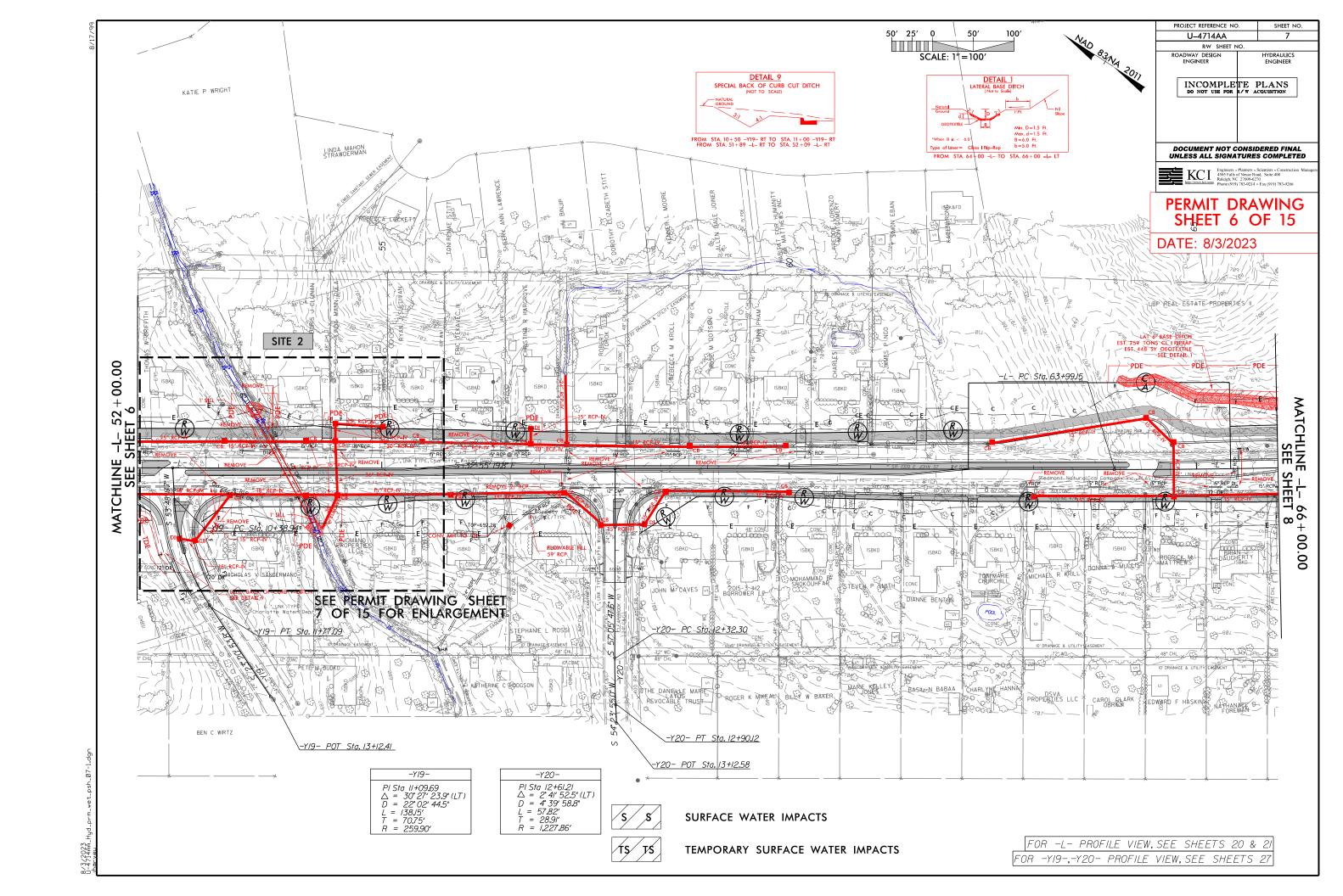












SURFACE WATER IMPACTS

TEMPORARY SURFACE WATER IMPACTS



NAD 83/NA 3011

U-47/4AA

RW SHEET NO.

ROADWAY DESIGN
ENGINEER

HYDRAULICS
ENGINEER

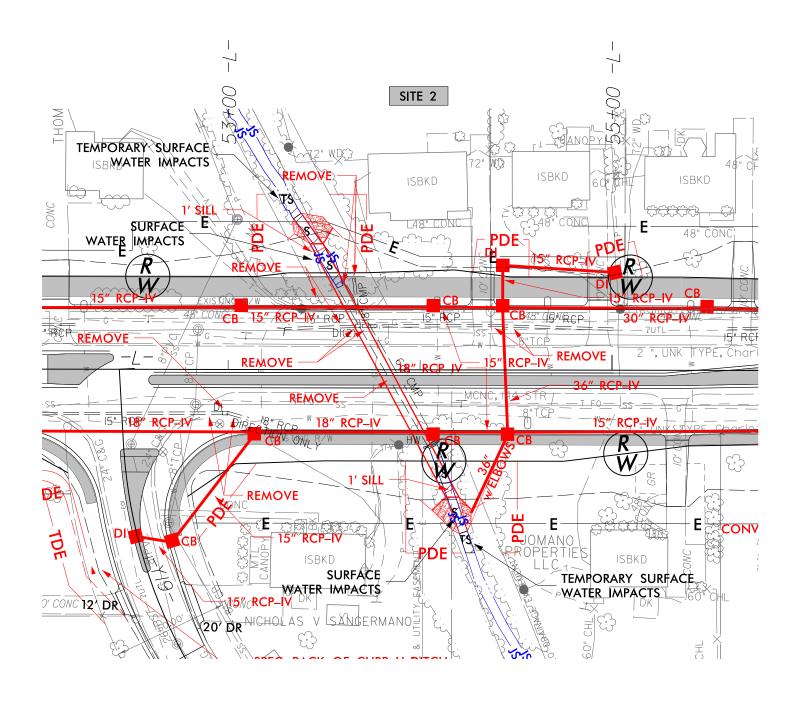
INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

PROJECT REFERENCE NO.

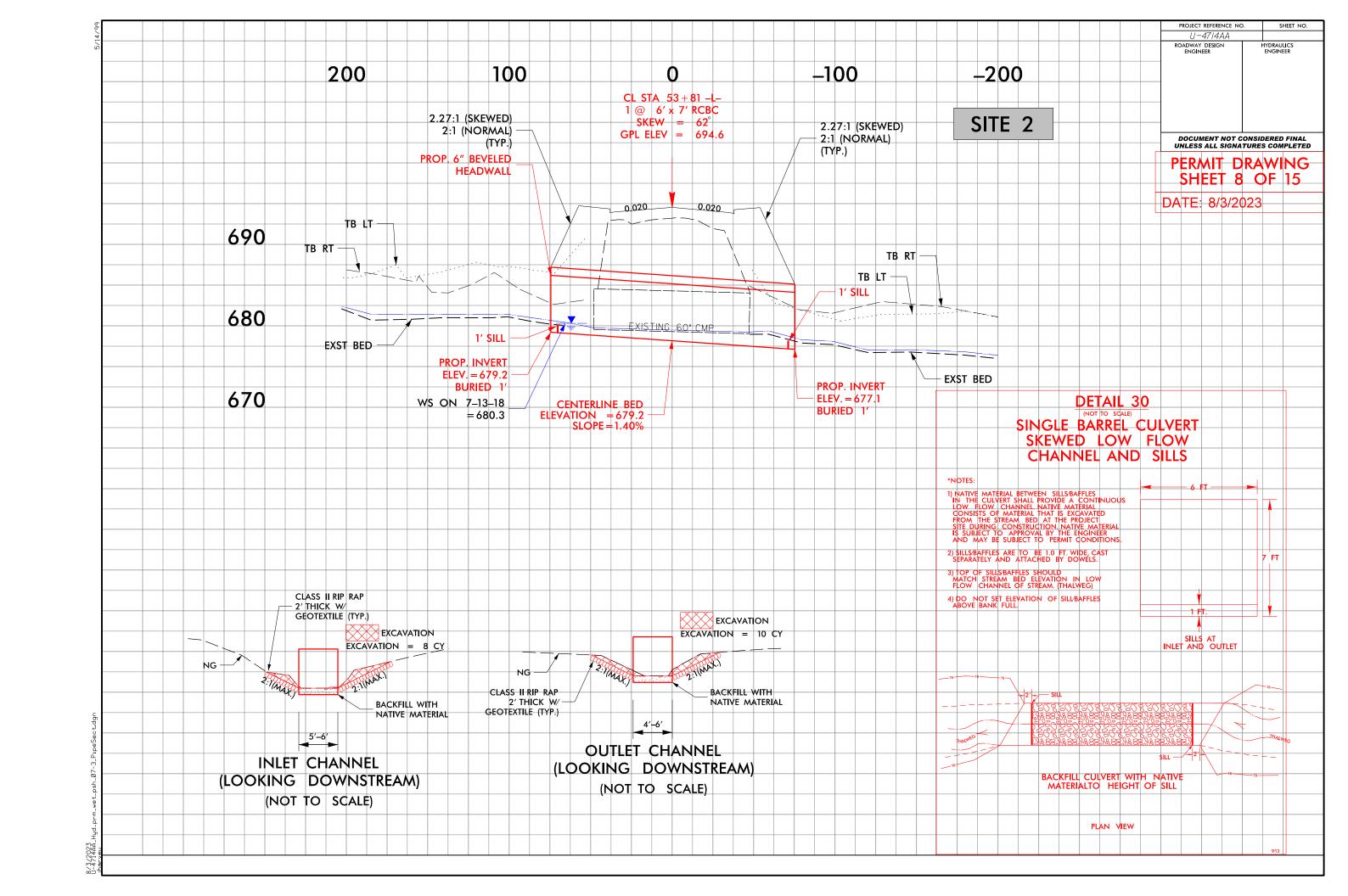
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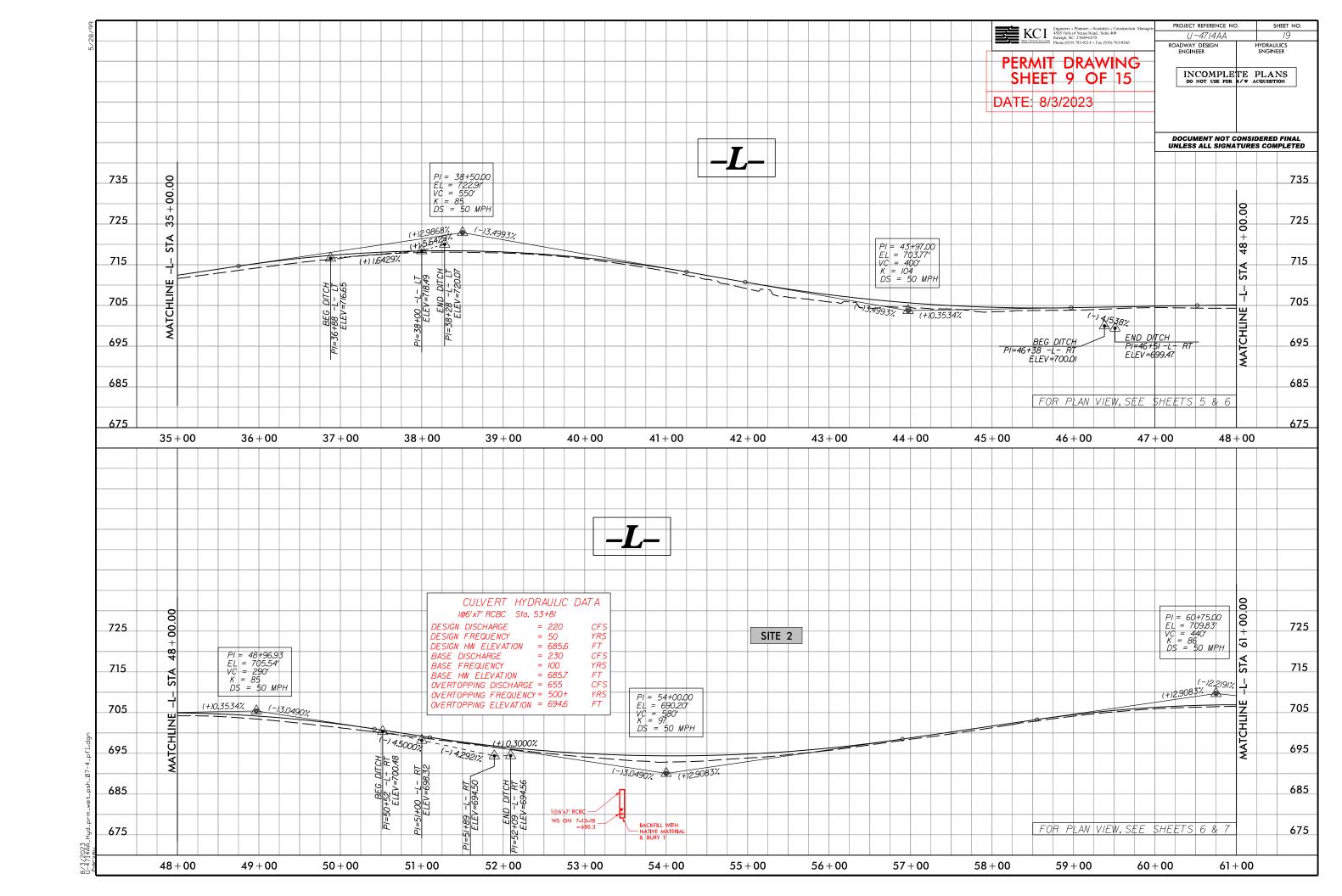
PERMIT DRAWING SHEET 7 OF 15

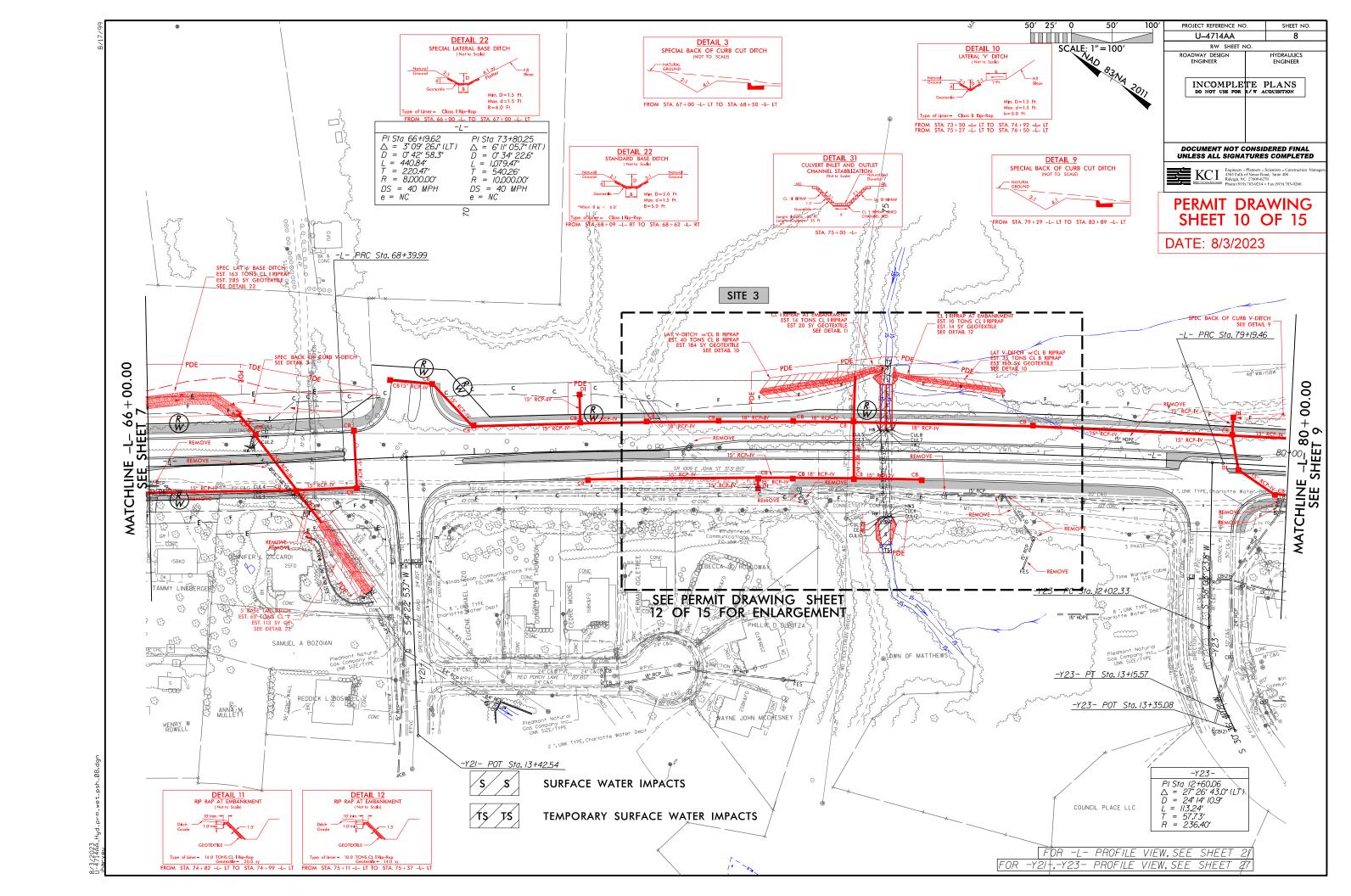
DATE: 8/3/2023

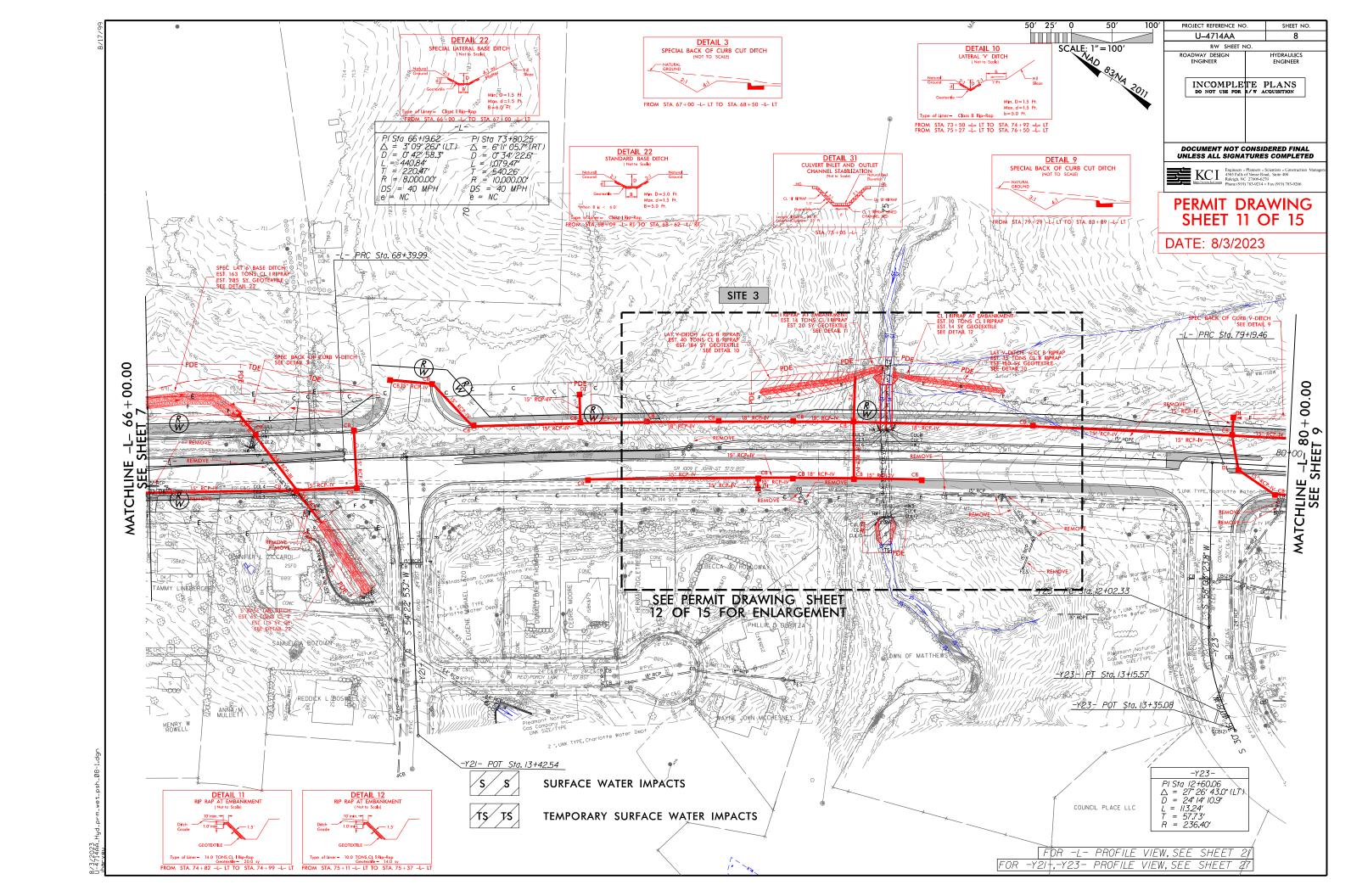


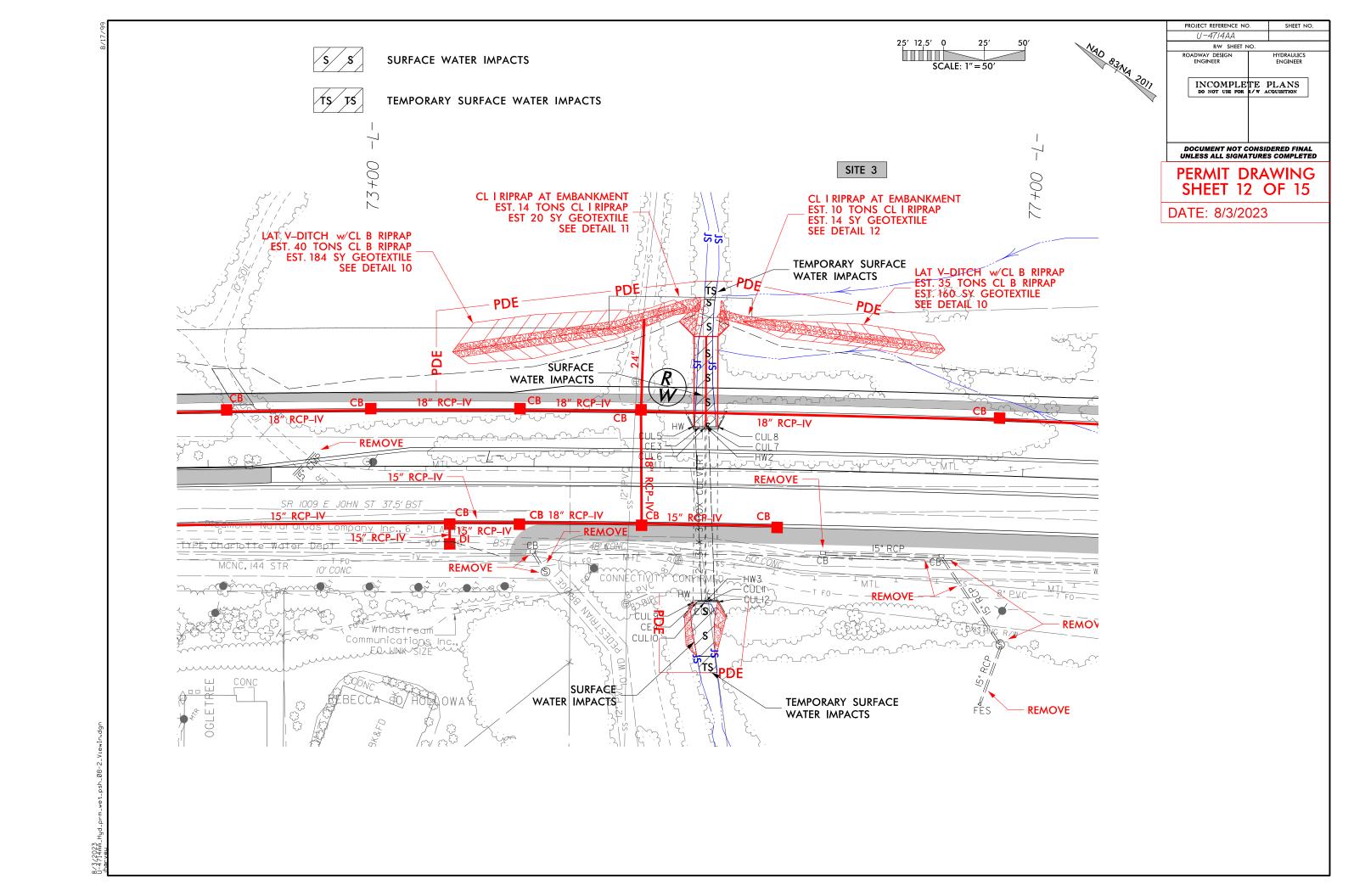
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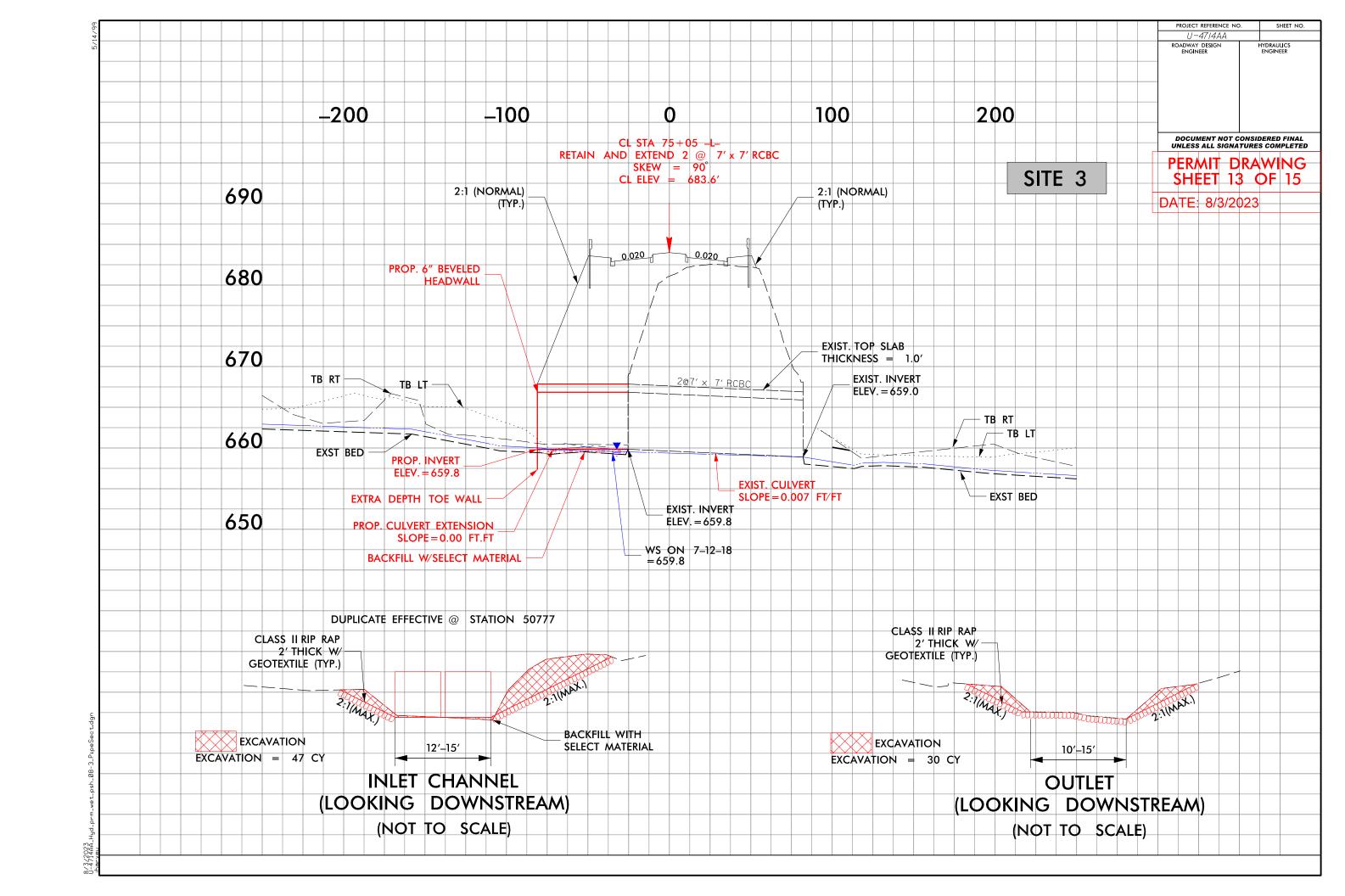


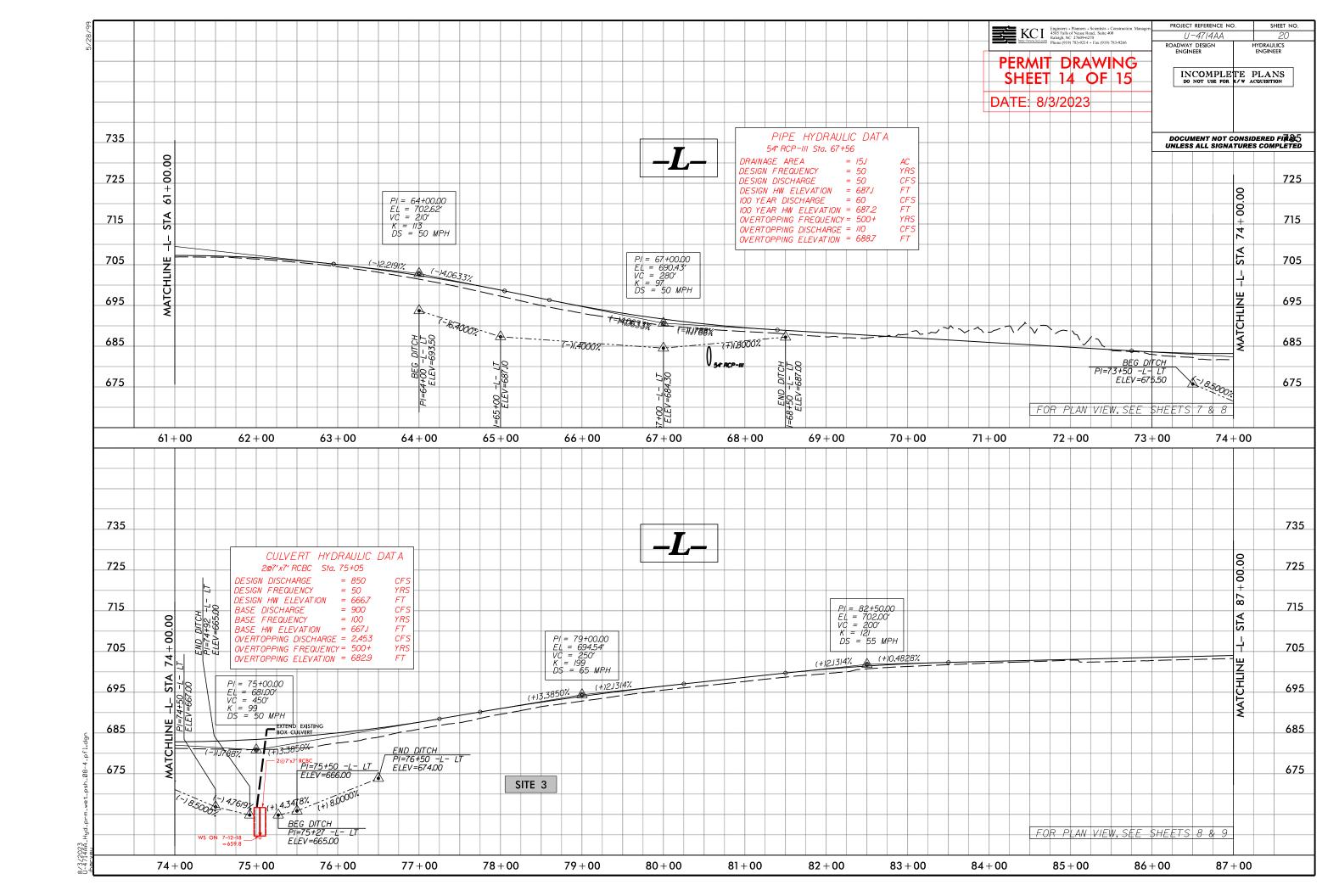












				WE	TLAND IMP	ACTS			SURFACE	WATER IM	PACTS	
0.11	Q		Permanent	Temp.		Mechanized	Hand Clearing	Permanent	Temp.	Existing Channel	Existing Channel	Natural
Site No.	Station (From/To)	Structure Size / Type	Fill In Wetlands (ac)	Fill In Wetlands (ac)	in Wetlands (ac)	Clearing in Wetlands (ac)	in Wetlands (ac)	SW impacts (ac)	SW impacts (ac)	Impacts Permanent (ft)	Impacts Temp. (ft)	Stream Design (ft)
1	32+00 ot 32+09-L-LT	ROADWAY FILL	(40)	(40)	(40)	(as)	(ac)	< 0.01	< 0.01	22	15	(11)
2	53+26 to 54+29-L-	1 at 6'x7' RCBC						< 0.01	< 0.01	53	24	
	53+26 to 53+60-L-LT	INLET BANK STABILIZATION								18		
	54+05 to 54+29-L-RT	OUTLET BANK STABILIZATION								19		
3	74+98 to 75+14-L-	2 at 7'x7' RCBC						0.01	< 0.01	56	22	
	74+98 to 75+14-L-LT	INLET BANK STABILIZATION								23		
	74+98 to 75+14-L-RT	OUTLET BANK STABILIZATION								32		
OTALS	S*·							0.02	< 0.01	223	61	0

^{*}Rounded totals are sum of actual impacts

NOTES:

NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
08-03-2023
MECKLENBURG/UNION COUNTY
U-4714AA
39078.3.9
SHEET 15 OF 15

Revised 2018 Feb

Mitigation

ROY COOPER Governor ELIZABETH S. BISER Secretary MARC RECKTENWALD Director



November 9, 2023

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:

U-4714AC, SR 1009 (John Street – Old Monroe Road) Improvements from East of I-485 to West of Morningside Meadow Lane, Mecklenburg and Union Counties

The purpose of this letter is to notify you that the Division of Mitigation Services (DMS) will provide the compensatory mitigation for the subject project. Based on the information supplied by you on November 9, 2023, the impacts are located in CU 03050103 of the Catawba River basin and 03040105 of the Yadkin River basin in the Southern Piedmont (SP) Eco-Region, and are as follows:

Stream and	Impact Location	Eco-		Stream	1		Wetlands	
Wetlands	(Service Area)	Region	Cold	Cool	Warm	Riparian	Non- Riparian	Coastal Marsh
Impacts	Catawba 03050103	SP	0	0	811.000	0.030	0	0
Impacts	Yadkin 03040105	SP	0	0	70.000	0.310	0	0

^{*}Some of the stream and/or wetland impacts may be proposed to be mitigated at a 1:1 mitigation ratio. See permit application for details.

NCDEQ-DMS will commit to implement sufficient compensatory 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, and consistent with the Guidance for Expanded Service Area for Mitigating Impacts within the Lower Catawba River basin approved by the IRT. 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 Beth Harmon at 919-707-8420.

Sincerely,

Clizabeth Harmon for James B. Stanfill DMS Deputy Director

cc: Mr. Monte Matthews, USACE – Raleigh Regulatory Field Office

Ms. Amy Chapman, NCDWR

File: U-4714AC



ROY COOPER Governor ELIZABETH S. BISER Secretary MARC RECKTENWALD Director



November 9, 2023

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:

U-4714B, SR 1009 Widening (John Street – Old Monroe Road) from West of Morningside Meadow Lane to East of SR 1377 (Wesley Chapel-Stouts Road), Union County

The purpose of this letter is to notify you that the Division of Mitigation Services (DMS) will provide the compensatory mitigation for the subject project. Based on the information supplied by you on November 9, 2023, the impacts are located in CU 03050103 of the Catawba River basin and 03040105 of the Yadkin River basin in the Southern Piedmont (SP) Eco-Region, and are as follows:

Stream and	Impact Location	Eco-		Stream	1		Wetlands	
Wetlands	(Service Area)	Region	Cold	Cool	Warm	Riparian	Non- Riparian	Coastal Marsh
Impacts	Catawba 03050103	SP	0	0	480.000	0	0	0
Impacts	Yadkin 03040105	SP	0	0	28.000	0.040	0	0

^{*}Some of the stream and/or wetland impacts may be proposed to be mitigated at a 1:1 mitigation ratio. See permit application for details.

NCDEQ-DMS will commit to implement sufficient compensatory 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, and consistent with the Guidance for Expanded Service Area for Mitigating Impacts within the Lower Catawba River basin approved by the IRT. 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 Beth Harmon at 919-707-8420.

Sincerely,

Clizabeth Harmon

for James B. Stanfill

DMS Deputy Director

cc: Mr. Monte Matthews, USACE – Raleigh Regulatory Field Office

Ms. Amy Chapman, NCDWR

File: U-4714B



Protected Species/ Section 7



STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

J. ERIC BOYETTE
SECRETARY

September 19, 2023

Ms. Janet A. Mizzi Field Office Supervisor US Fish and Wildlife Service 160 Zillicoa Street Asheville, NC 28801

Subject: Section 7 Concurrence/Conference Request for the widening/improvements to East

John Street – Old Monroe Road (SR 1009) from Trade Street (SR 3448-SR 3474) in Matthews to Wesley Chapel-Stouts Road (SR 1377) in Indian Trail in Mecklenburg and

Union County, WBS No. 39078.1.1 in Division 10, TIP No. U-4714

Reference: U-4714 Map

Dear Ms. Mizzi:

The purpose of this letter is to request concurrence from the U.S. Fish and Wildlife Service (USFWS) pursuant to Section 7 of the Endangered Species Act, as amended (16 U.S.C. 1531 et seq.) (ESA). The North Carolina Department of Transportation (NCDOT) proposes to widen/improve SR 1009 from Trade St. in the Town of Matthews to Wesley Chapel-Stouts Rd. in the Town of Indian Trail in Mecklenburg and Union Counties.

As of September 13, 2023, the US Fish and Wildlife Service's Information for Planning and Consultation (IPaC) lists the following federally protected species in the project area.

Scientific Name	Common Name	Federal Status	Habitat Present	Biological Conclusion
Perimyotis subflavus	tricolored bat	Proposed Endangered*	Yes	MA-NLAA
Fusconaia masoni	Atlantic pigtoe	Threatened	No	No Effect
Lasmigona decorata	Carolina heelsplitter	Endangered	No	No Effect
Rhus michauxii	Michaux's sumac	Endangered	Yes	No Effect
Helianthus schweinitzii	Schweinitz's sunflower	Endangered	Yes	No Effect
Echinacea laevigata	smooth coneflower	Threatened	Yes	No Effect

MA-NLAA - May Affect - Not Likely to Adversely Affect

* Proposed for federal listing

Species Summary – Bats

The North Carolina Department of Transportation (NCDOT, Division 10) proposes to widen/improve SR 1009 from Trade St. in the Town of Matthews to Wesley Chapel-Stouts Rd. in the Town of Indian Trail in Mecklenburg and Union Counties. See attached map for a breakdown of project sections. (Section AB was determined to have independent utility and was permitted separately from the rest of the project back in 2019.)

Foraging and commuting habitat for tricolored bat is present within the project area. The closest element of occurrence for a tricolored bat in relation to U-4714 is 18.5 miles (EO_ID 37586) northeast of the project.

A Biological Conclusion of **May Affect**, **Not Likely To Adversely Affect** is proposed for tricolored bat based on the presence of suitable foraging and commuting habitat.

- It is anticipated that tree clearing can be performed during the winter months for this project (October 15th April 1st).
- There are no existing bridges within the project that will need to be removed. There are two reinforced concrete box culverts (RCBCs) in sections AA and AC that will need to be extended and require work between April 1st October 15th. There is also a 54" reinforced concrete pipe (RCP) in section B that will be removed and replaced with a double barrel 6'x6' RCBC and require work between April 1st October 15th. NCDOT can commit to surveying these structures within 2 years of construction.
- Blasting is anticipated within sections AA and AC. It is anticipated that blasting will occur from October 15th April 1st. Other proposed percussive activities will include, but are not limited to guardrail installation, soil and fill material compaction, paving, pile driving, drilling, grading, and pavement breaking and removal.
- Temporary lighting for nighttime construction will be used during the April 1st October 15th timeframe as lane closures are anticipated, and it is typically too cold during winter months to do nighttime work.

Pursuant to the ESA Handbook Section 3.5, NCDOT does not request concurrence from the Service for the remaining species, but identifies them below:

Scientific Name	Common Name	Federal Status	Survey Date(s)	Habitat Present	Biological Conclusion
Fusconaia masoni	Atlantic pigtoe	Threatened	3/10/2014	No*	No Effect
Lasmigona decorata	Carolina heelsplitter	Endangered	3/10/2014	No*	No Effect
Rhus michauxii	Michaux's sumac	Endangered	10/20/2013 10/6/2017 10/24/2019 10/19/2022	Yes	No Effect
Helianthus schweinitzii	Schweinitz's sunflower	Endangered	10/20/2013 10/6/2017 10/24/2019 10/19/2022	Yes	No Effect
Echinacea laevigata	smooth coneflower	Threatened	10/20/2013 10/6/2017 10/24/2019 10/19/2022	Yes	No Effect

^{*}Streams within the Mecklenburg County portion of the project are outside the IPaC range for either mussel species. The remainder of the streams are either intermittent or too small to provide suitable habitat.

NCDOT, under the delegation authority provided in 50 CFR § 402.08 by the Federal Highway Administration (FHWA), believes that the requirements of Section 7(a)(2) of the ESA have been satisfied and hereby request your concurrence.

If you have any questions, please contact Erin Cheely at ekcheely@ncdot.gov or 919-707-6108.

Sincerely,

Erin Cheely, ECAP Western Team Lead

Environmental Analysis Unit

Enclosures:

Bat Survey Report, dated November 9, 2022

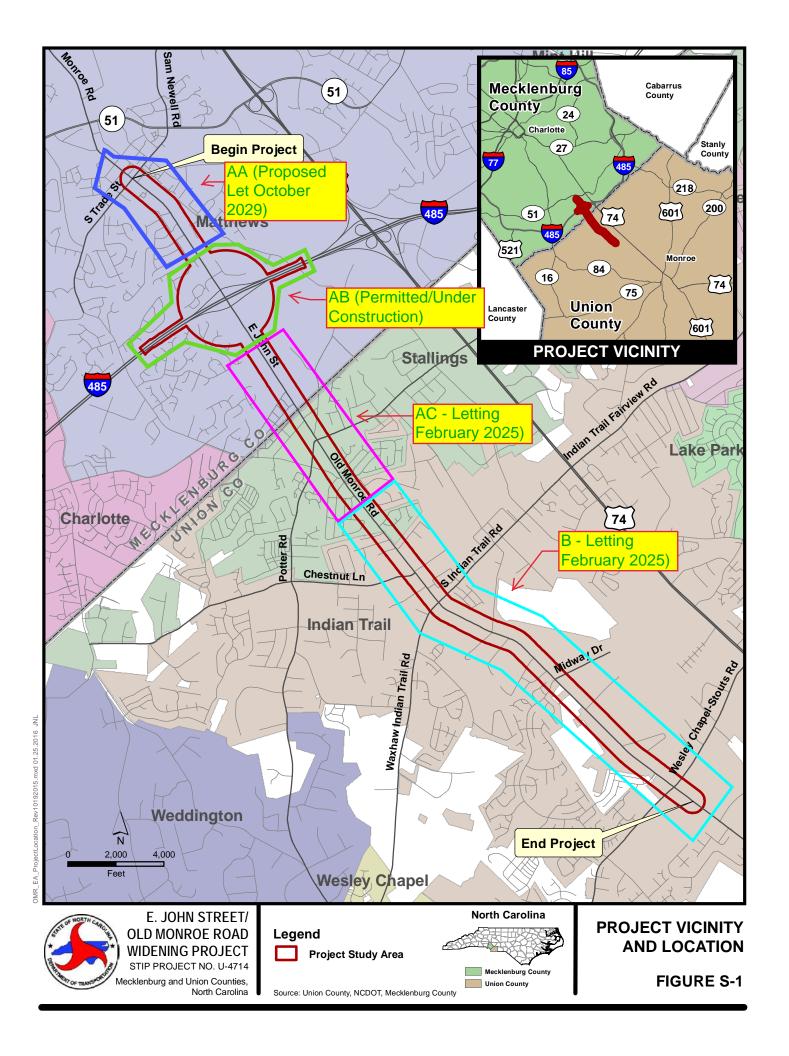
ec:

Ms. Holland Youngman, USFWS

Mr. Kevin Hining, DEO-Div. 11, NCDOT

Ms. Jacquelyn Bowles, NCDOT SMU

Mr. Tyler Stanton, NCDOT BSG-EAU





United States Department of the Interior



FISH AND WILDLIFE SERVICE Asheville Field Office 160 Zillicoa Street Suite B Asheville, North Carolina 28801

November 15, 2023

Erin Cheely ECAP Western Team Lead, Environmental Analysis Unit North Carolina Department of Transportation 1598 Mail Service Center Raleigh, North Carolina 27699

Subject: Informal Conference for Widening and Improvements to East John Street – Old Monroe Road (SR 1009) from Trade Street (SR 3448-SR 3474) in Matthews to Wesley Chapel-Stouts Road (SR 1377) in Indian Trail in Mecklenburg and Union Counties (TIP No. U-4717, Service Log #19-419)

Dear Erin Cheely:

On September 19, 2023, we received your request to initiate informal conference procedures for effects the subject project may have on federally proposed species. We have reviewed the information you submitted, and the following is provided in accordance with the provisions of the National Environmental Policy Act (42 U.S.C.§ 4321 et seq.); the Fish and Wildlife Coordination Act, as amended (16 U.S.C. 661 - 667e); and section 7 of the Endangered Species Act of 1973, as amended (16 U.S.C. 1531 - 1543) (Act).

Project Description

According to the information provided, the North Carolina Department of Transportation (NCDOT) proposes to widen/improve East John Street – Old Monroe Road (SR 1009) from Trade Street in the Town of Matthews to Wesley Chapel-Stouts Road (SR 1377) in the Town of Indian Trail in Mecklenburg and Union Counties. The linear project is divided into sections AA, AC, and B. Section AB was previously permitted. Approximately 21.7 acres of trees will be cleared. Percussive activities such as guardrail installation, pile driving, and drilling will occur, and blasting will take place during winter months in the AA and AC portions of the project. Nighttime construction will take place as well. Several culvert replacements will occur during project construction. The project is scheduled to Let in February of 2025 for Sections AC and B and in October of 2029 for Section AA. The Federal Highway Administration (FHWA) is the federal lead for this project for section 7 purposes, with authority delegated to NCDOT.

NCDOT has agreed to implement the following conservation measures for the project:

- 1. Tree clearing will take place from October 16 to March 31.
- 2. Culvert structures ≥ 3 feet in manufactured diameter within the action area will be surveyed for bats and signs of bat use within 2 weeks of project construction.
- 3. Blasting and other percussive activities will occur after tree clearing has occurred.
- 4. Temporary lighting associated with night work will be downcast, will be aimed at the active work area to maintain safe working conditions, and will be turned off when not needed for construction activities.
- 5. No additional permanent lighting will be added to the roadway.

Federally Listed Species

The information provided states that "No Effect" (NE) determinations have been made for Atlantic pigtoe (Fusconaia masoni), Carolina heelsplitter (Lasmigona decorata), Michaux's sumac (Rhus michauxii), Schweinitz's sunflower (Helianthus schweinitzii), and smooth coneflower (Echinacea laevigata). In instances of suitable habitat being absent from the action area, we would agree that NE determinations are appropriate. For plants, in instances where suitable habitat is present and botanical surveys conducted during the optimal survey window and within the past 2 years have negative results, we would concur with a biological determination of "may affect, not likely to adversely affect" (NLAA). We acknowledge that the request for concurrence did not include these species. This information is provided for the sake of the administrative record.

The correspondence received from NCDOT requests a conference for the tricolored bat (*Perimyotis subflavus*).

Potentially suitable culvert roosts and suitable roosting, commuting, and foraging forested habitat for tricolored bat occurs within the action area. The proposed conservation measures minimize effects to bats potentially occurring within the action area. However, effects from construction noise to unknown tree roosts within the action area but outside the construction limits, while minimized, are not avoided. Bats that are present in proximity to transportation corridors are expected to be tolerant of baseline noise and vibration levels (or have already modified their behaviors to avoid them). How temporary increases in noise and vibration from construction activities effect bats within existing transportation corridors has not been well studied to our knowledge, though one study found that bats habituated rapidly to traffic noise (Luo et al. 2014). Given the information available and conservation measures above, we do not believe any response to project noise and vibration by bats that are already tree-roosting in the area is expected to rise to the level of harm (as defined at 50 CFR 17.3).

On September 14, 2022, the U.S. Fish and Wildlife Service (Service) published a proposal in the Federal Register to list the tricolored bat as endangered under the Act. As a result, NCDOT has requested a conference for the tricolored bat as the project may be on-going after the effective date of any final listing rule, if one is published. Based on the information provided, the analysis above, and the commitments to minimize project impacts, we have determined that the proposed project will not jeopardize the continued existence of the tricolored bat. Additionally, we would concur with the NCDOT's determination that the project is NLAA the tricolored bat should it become listed.

Conservation Recommendations

Conservation recommendations are discretionary agency activities to minimize or avoid adverse effects of a proposed action on listed species or critical habitat, to help implement recovery plans, or to develop information. General recommendations for the benefit of fish and wildlife resources are provided here:

- Carolina Darter: The Carolina darter (*Etheostoma collis*) has element occurrence data in several streams within the project study area. The species is not currently afforded legal protection under the Federal Endangered Species Act but it is listed as a North Carolina special concern species. We recommend the most protective sediment and erosion control measures that meet the Design Standards in Sensitive Watersheds be used in waters occupied by this species. We encourage you to coordinate the project and any relocation efforts with the North Carolina Wildlife Resources Commission.
- **Riparian Replanting:** Because the removal of forested riparian habitat can affect the quality and suitability of foraging and commuting habitat for bats and the water quality for aquatic organisms, we recommend replanting the riparian zone with native, fast-growing trees and shrubs that would serve to stabilize the stream bank, filter runoff and reduce erosion and sedimentation, block light pollution, and generally improve the quality of the habitat for bats and aquatic species.

- Examples of potential native tree species to plant include: Sycamore, tulip poplar, black cherry and river birch. Planting with established (e.g. containerized) young trees can increase the survival rate of plantings and contribute to faster improvement of riparian habitat.
- Noise Considerations for Bats: If suitable roost trees are present near high-decibel activity (81 162 dBA) and would experience noise above background levels (41 70 dBA), avoid conducting those high-decibel activities during the bat maternity season (May 15 August 15). Alternatively, activity could avoid the pup season (June 1 and July 31). To minimize noise levels, incorporate sound-dampening devices such as noise shrouds for pile driving.

Reinitiation Notice

We believe the requirements under section 7 of the Act are fulfilled for the federally listed species discussed above. However, obligations under section 7 must be reconsidered if: (1) new information reveals impacts of this proposed action may affect listed species or critical habitat in a manner not previously considered, (2) this proposed action is subsequently modified in a manner that was not considered in this review, or (3) a new species is listed, or critical habitat is determined that may be affected by the proposed action.

We appreciate the opportunity to provide these comments. Please contact Ms. Holland Youngman of our staff at holland.gov.gov if you have any questions. In any future correspondence concerning this project, please reference our Service Log #19-419.

Sincerely,

-- original signed --

Janet Mizzi Field Supervisor

Electronic CC:

Joel Howard, NCDOT, Division 10, Project Development & Environmental Analysis Engineer William Wescott, NCDOT, Division 10, Environmental Officer

Archaeology



STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

PAT MCCRORY GOVERNOR ANTHONY J. TATA
SECRETARY

August 5, 2014

Ramona Bartos, Administrator State Historic Preservation Office Deputy State Historic Preservation Officer 4617 Mail Service Center Raleigh, NC 27699-4617

RE:

John Street/Old Monroe Road Widening, Mecklenburg and Union Counties, TIP# U-4714, ER 13-

0879

Ms. Bartos,

Thank you for your correspondence of May 17, 2013 regarding the above-mentioned project. In response to comments provided by the Office of State Archaeology (OSA), consultation was held on Tuesday, August 5, 2014, between Paul J. Mohler (NCDOT Archaeologist) and John Mintz (OSA) to review and discuss preliminary design plans for the widening of SR 1009 (John Street/Old Monroe Road) from its intersection with Freemont Street in the Town of Matthews, Mecklenburg County, to its intersection with SR 1377 (Wesley Chapel/Stouts Road) in Union County.

Based on the mapping provided at this meeting as well as a thorough review of soil/landscape conditions, current commercial and residential development, previous archaeological survey results, and the nature and extent of the proposed project, it was determined that the project corridor, as depicted, is unlikely to contain intact and significant archaeological resources. Therefore, OSA does not recommend an archaeological survey be conducted for this project. However, if design plans change, then additional consultation regarding archaeology will be required.

Thank you for your assistance in this matter. If you have any questions concerning this project, please contact me at (919) 707-6089 or Mr. Paul J. Mohler, NCDOT Archaeologist, at (919) 707-6080.

Sincerely,

Matt Wilkerson

Archaeology Supervisor
Human Environment Section

MTW/pjm

cc:

Elmo Vance, PDEA

Paul J. Mohler, Archaeology

Historic Architecture and Landscapes

CONCURRENCE FORM FOR ASSESSMENT OF EFFECTS

Project Description: Improve SR 1009 (John St/Old Monroe Rd) from SR 3448/SR 3474 (Trade St) to SR 1377 (Wesley Chapel/Stout Rd) in Matthews, Stallings, and Indian Trail.

On October 20, 2015, representatives of the	
 North Carolina Department of Transportation (NCDOT) Federal Highway Administration (FHWA) North Carolina State Historic Preservation Office (HPO) Other United States Army Corps of Engineers (USACE) 	
Reviewed the subject project and agreed on the effects findings listed v reverse of this signature page.	vithin the table on the
Signed:	
Shellow Reap	Oct 20, 2015
Representative, NCDOT	10-20-15
FHWA, for the Division Administrator, or other Federal Agency	Date
Rence Bledhill-Earley	10.20.15
Representative, HPO	Date
State Historic Preservation Officer	Date

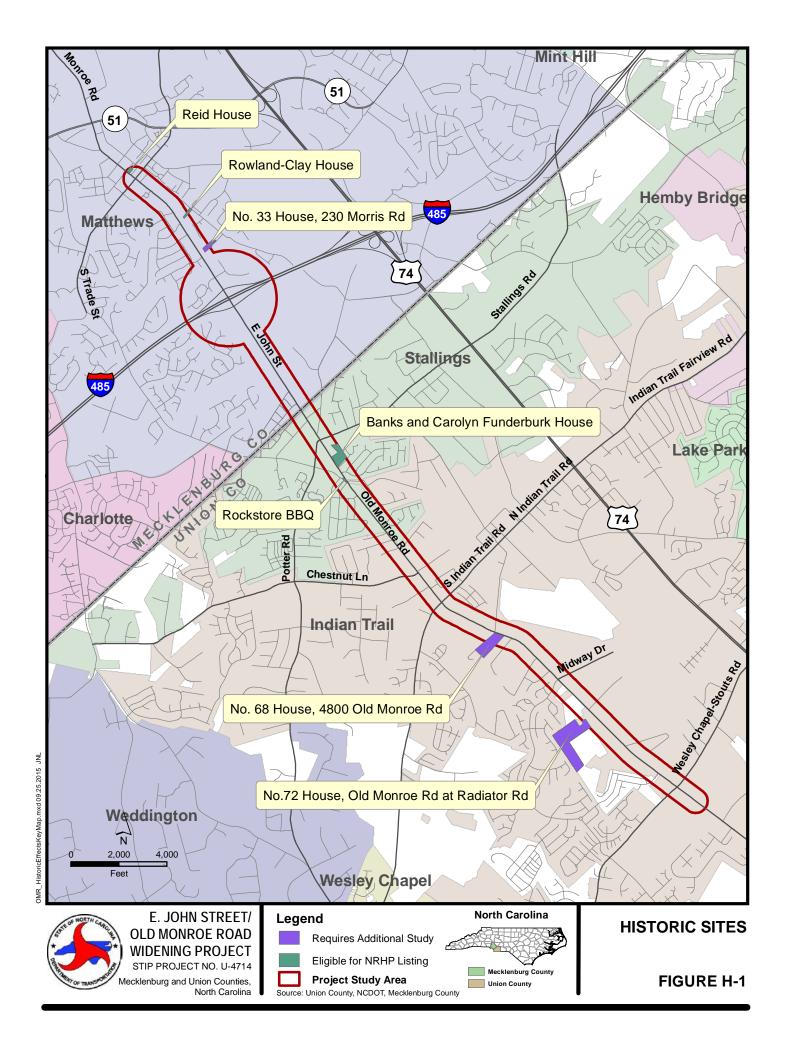
Federal Aid #: STPDA-1009(16)

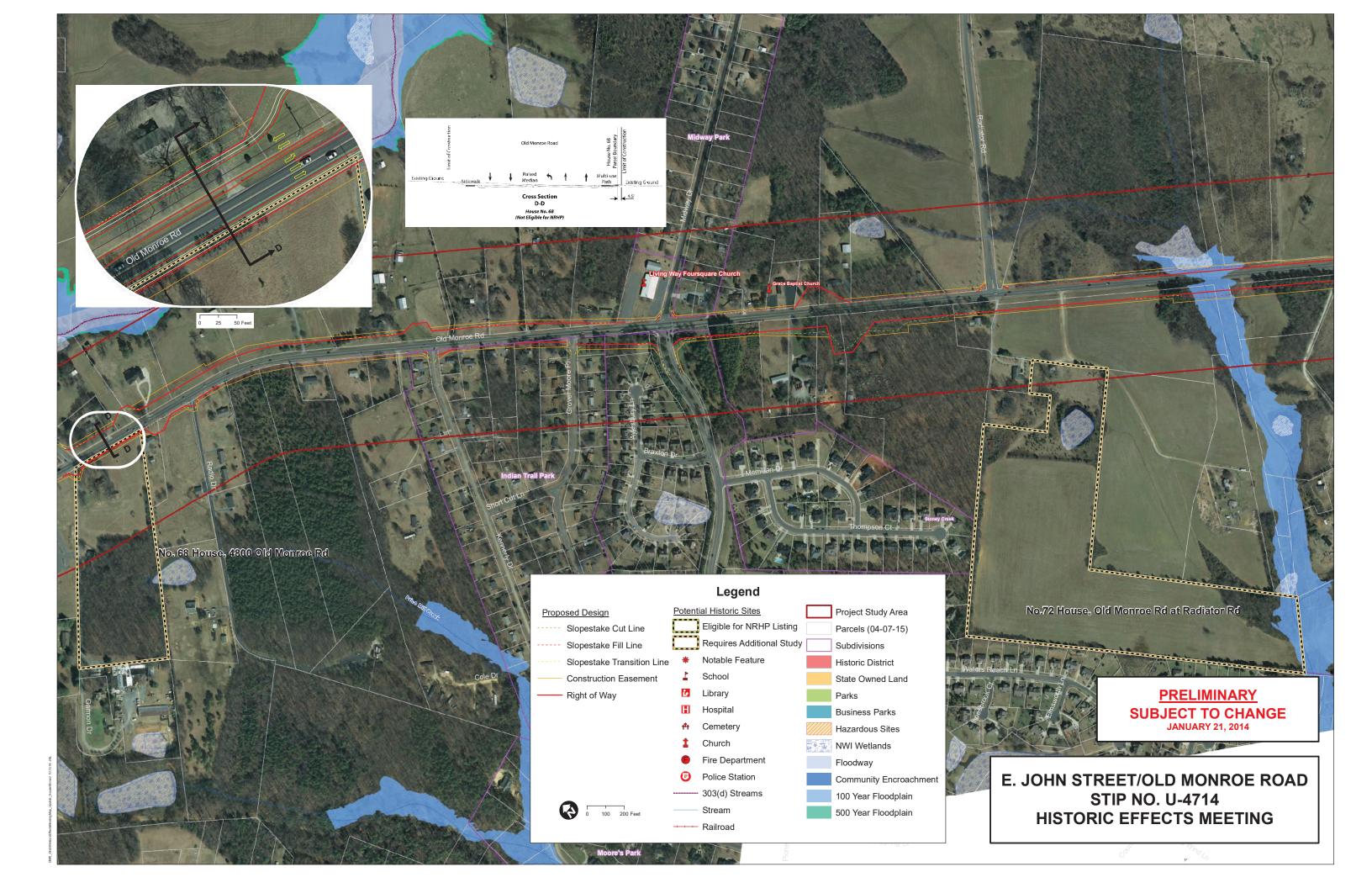
TIP#: U-4714

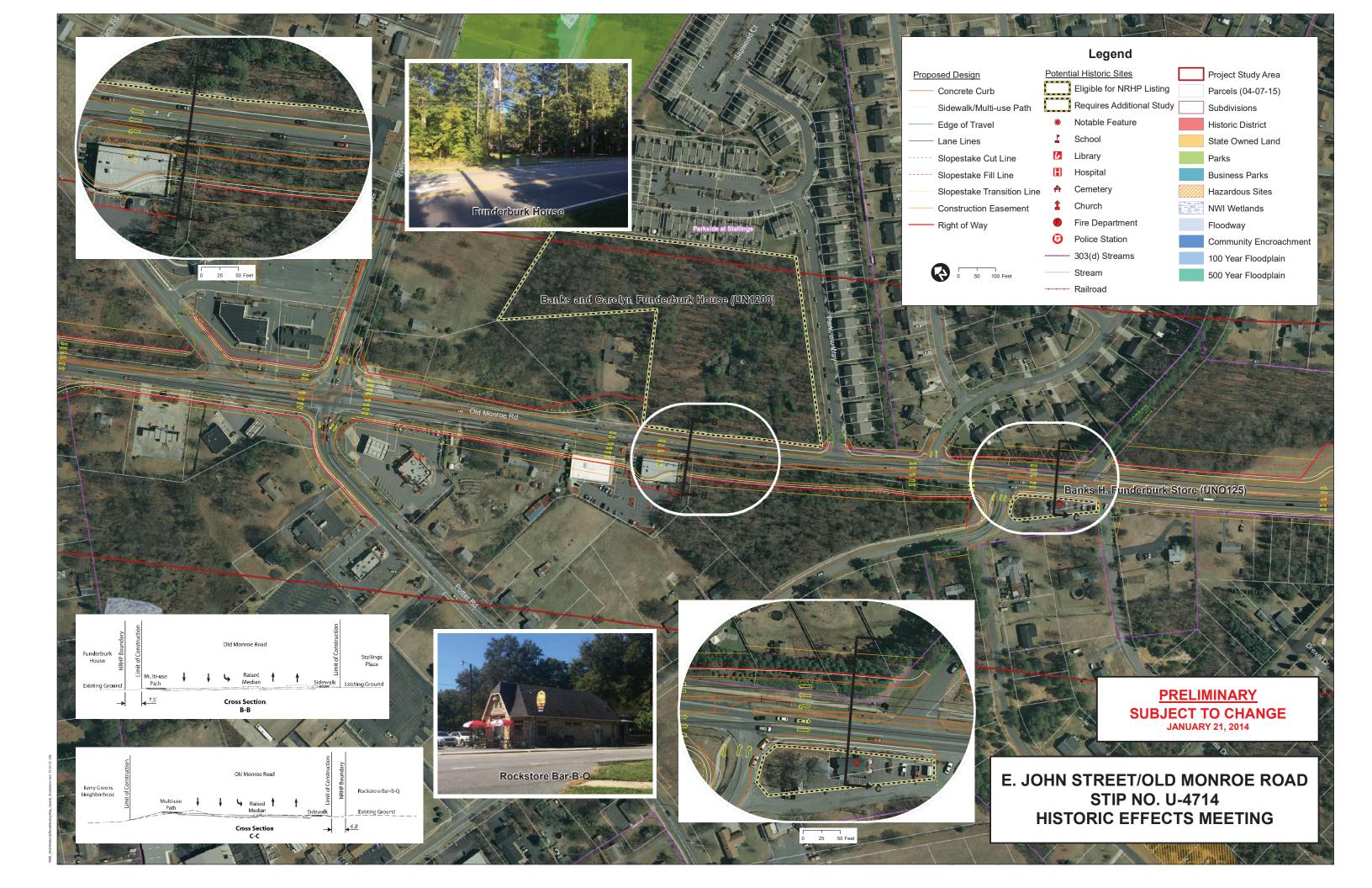
County: Mecklenburg & Union

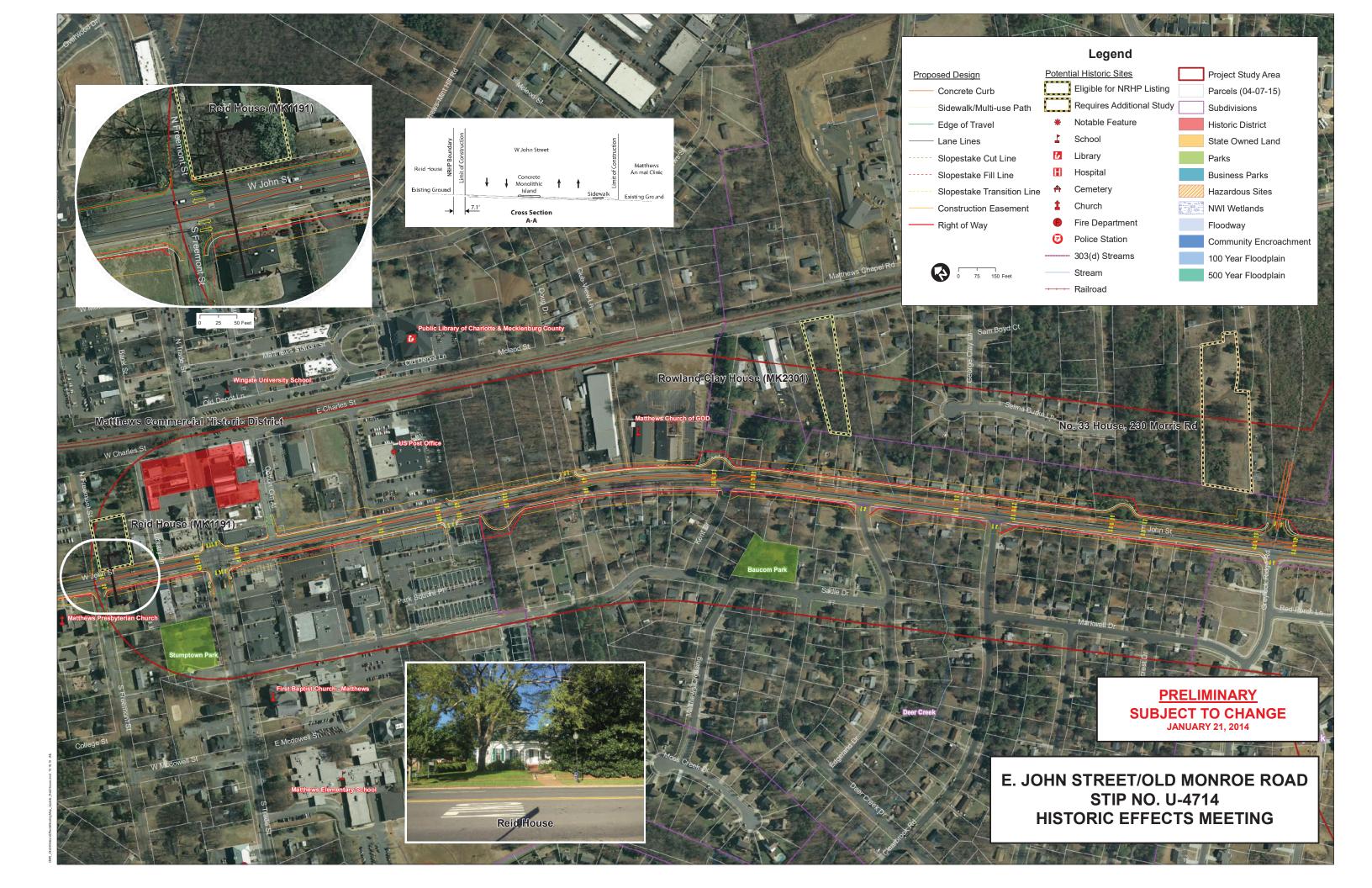
Property and Status	Alternative	Effect Finding	Reasons
Matthews National Register Commercial Historic District (MK1417) NR		no effect	to changes to Trader St. boundains outside APE
Reid House (MK1191) DE		no aherst effect	no construction in DOW, no easuments no PUES; only replace curb & gutter; keep existing sidewalle. No tree removal.
Rowland-Clay House (MK2301) DE		no offert	out side construction were
Banks H. Funderburk Store (UN0125) DE, LL		no advance effect with conditions	may persone remove planting stription plans, no constructing stription plans,
Banks and Carolyn Funderburk House (UN1200) DE		no adverse effect Woonditons	no adverse no polis, no easements, minimite the removal effect effect No PVES, NO DDEs.
		,	
Initialed: NCDOT SIR	SIR FHWA	733	HPO

FHWA intends to use SHPO's concurrence as a basis of a "de minimis" finding for the following properties, pursuant to Section 4(f):











North Carolina Department of Natural and Cultural Resources

State Historic Preservation Office

Ramona M. Bartos, Administrator

Governor Roy Cooper Secretary Susi H. Hamilton Office of Archives and History Deputy Secretary Kevin Cherry

June 20, 2017

MEMORANDUM

TO:

Shelby Reap

Office of Human Environment NCDOT Division of Highways

FROM:

Renee Gledhill-Earley Cares Medhill-Earley

Environmental Review Coordinator

SUBJECT:

Historic Structures Survey Report for Widening of John Street/Old Monroe Road

(SR1009) from Trade Street to Wesley Chapel-Stout Road, U-4717,

Mecklenburg & Union Counties, ER 13-0879

Thank you for your May 16, 2017, letter transmitting the above-referenced report addendum. We have reviewed the addendum and offer the following comments.

We concur that the following properties are not eligible for listing in the National Register of Historic Places for the reasons outlined in the report addendum.

- Matthews Presbyterian Church (MK3696)
- Orr House, 230 W. John St. (MK3697)

The above comments are made pursuant to Section 106 of the National Historic Preservation Act and the Advisory Council on Historic Preservation's Regulations for Compliance with Section 106 codified at 36 CFR Part 800.

Thank you for your cooperation and consideration. If you have questions concerning the above comment, contact Renee Gledhill-Earley, environmental review coordinator, at 919-807-6579 or environmental.review@ncdcr.gov. In all future communication concerning this project, please cite the above referenced tracking number.

cc: Mary Pope Furr, NCDOT, mfurr@ncdot.gov

17-03-0023



HISTORIC ARCHICTECTURE AND LANDSCAPES NO HISTORIC PROPERTIES PRESENT OR AFFECTED FORM

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 No:	U-4714	County:	Mecklenburg					
			- Forest Anna Control Control					
WBS No.:	39078.1.1	Document Type:	EA					
Fed. Aid No:	ed. Aid No: STPDA-1009(16) Funding: State State Federal							
Federal	⊠ Yes □ No	Permit	Unknown at this time					
Permit(s):		Type(s):						
			o Irwin Ln. U-4714 proposes to facility.					
SUMMA	RY OF HISTORIC ARCI	HICTECTURE A	ND LANDSCAPES REVIEW					
		l or Study Listed pr	operties within the project's area of					
There are	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								
documen	ts as needed.)							
documen	ts as needed.)	Date of fi	e <mark>ld visit</mark> : April 2017					
Description of re	eview activities, results, and	d conclusions:	•					
Description of re Review of HPO qu	eview activities, results, and	d conclusions: d reports, historic de	signations roster, and indexes was					
Description of re Review of HPO quundertaken on No	eview activities, results, and und maps, relevant background wember 8, 2016. Based on thi	d conclusions: d reports, historic de s review there are no	signations roster, and indexes was NR, DE, LL, SL, or SS in the					
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Description of real Review of HPO quantity and the project area. There project. An outside (Matthews Presby for National Regis	eview activities, results, and maps, relevant background wember 8, 2016. Based on this etwo properties greater than the consultant conducted a site was terian Church and the Orr Houster listing. In a letter dated Justicencurred with our recommen	d conclusions: d reports, historic de s review there are no 50 years old in the A visit and wrote an eli use) and recommend ne 20, 2017 the Nort	signations roster, and indexes was NR, DE, LL, SL, or SS in the rea of Potential Effects (APE) of the gibility evaluation for the properties ed that the neither property is eligible h Carolina Historic Preservation roperties are present in the APE.					

FINDING BY NCDOT ARCHITECTURAL HISTORIAN

Historic Architecture and Landscapes - NO HISTORIC PROPERTIES PRESENT OF AFFECTED

NCDOT Architectural Historian

Date

Tribal Coordination



STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

J. ERIC BOYETTE
SECRETARY

August 14, 2023

Dr. Wenonah Haire Catawba Indian Nation Tribal Historic Preservation Office 1536 Tom Steven Road Rock Hill, SC 29730

Dear Dr. Haire,

The North Carolina Department of Transportation proposes to widen 6.5 miles of the existing two-lane East John Street-Old Monroe Road (SR 1009) to a multi-lane facility from Trade Street (SR 3448-SR 3474) in the Town of Matthews in Mecklenburg County through the Town of Stallings, to Wesley Chapel-Stouts Road (SR 1377) in the Town of Indian Trail in Union County as project U-4714AC & B. The existing two-lane roadway provides a parallel route to US 74 and connects to the regional roadway network at the John Street interchange with I-485. The existing roadway is heavily traveled and experiences congestion and delays. The existing roadway west of South Trade Street is four (4) lanes, and this project would join the two sections with a consistent 4-lane cross-section. The Federal Highway Administration (FHWA) is the lead federal agency for compliance with the National Environmental Policy Act (NEPA) and Section 106 of the National Historic Preservation Act (NHPA) and a Permit is anticipated under the Section 404 Process with the USACE. A project vicinity map is attached. The coordinates of this project are approximately 35.056199, -80.658099.

We would appreciate any information you might have that would be helpful in evaluating potential environmental impacts of the project. Your comments may be used in the preparation of a National Environmental Policy Act (NEPA) or State Environmental Policy Act (SEPA) Environmental Document.

In accordance with Section 106 of the NHPA, we also request that you inform us of any historic properties of traditional religious or cultural importance that you are aware of that may be affected by the proposed project. Be assured that, in accordance with confidentiality and disclosure stipulations in Section 304 of the NHPA, we will maintain strict confidentiality about certain types of information regarding historic properties.

Please respond by September 14, 2023 so that your comments can be used in the scoping of this project. If you have any questions concerning this project, or would like any additional information, please contact me at afoster@ncdot.gov or (919) 707-6239

Thank you,

—Docusigned by: Olexander J. Foster

BDDCAC2122684EB...
Alex Foster, PE

Senior Project Manager

cc: Matt Wilkerson, NCDOT Archaeology Team Leader

Website: www.ncdot.gov



STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

J. ERIC BOYETTE
SECRETARY

August 14, 2023

Elizabeth Toombs Cherokee Nation Tribal Historic Preservation Officer PO BOX 948 Tahlequah, OK 74465

Dear Ms. Toombs,

The North Carolina Department of Transportation proposes to widen 6.5 miles of the existing two-lane East John Street-Old Monroe Road (SR 1009) to a multi-lane facility from Trade Street (SR 3448-SR 3474) in the Town of Matthews in Mecklenburg County through the Town of Stallings, to Wesley Chapel-Stouts Road (SR 1377) in the Town of Indian Trail in Union County as project U-4714AC & B. The existing two-lane roadway provides a parallel route to US 74 and connects to the regional roadway network at the John Street interchange with I-485. The existing roadway is heavily traveled and experiences congestion and delays. The existing roadway west of South Trade Street is four (4) lanes, and this project would join the two sections with a consistent 4-lane cross-section. The Federal Highway Administration (FHWA) is the lead federal agency for compliance with the National Environmental Policy Act (NEPA) and Section 106 of the National Historic Preservation Act (NHPA) and a Permit is anticipated under the Section 404 Process with the USACE. A project vicinity map is attached. The coordinates of this project are approximately 35.056199, -80.658099.

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Thank you,

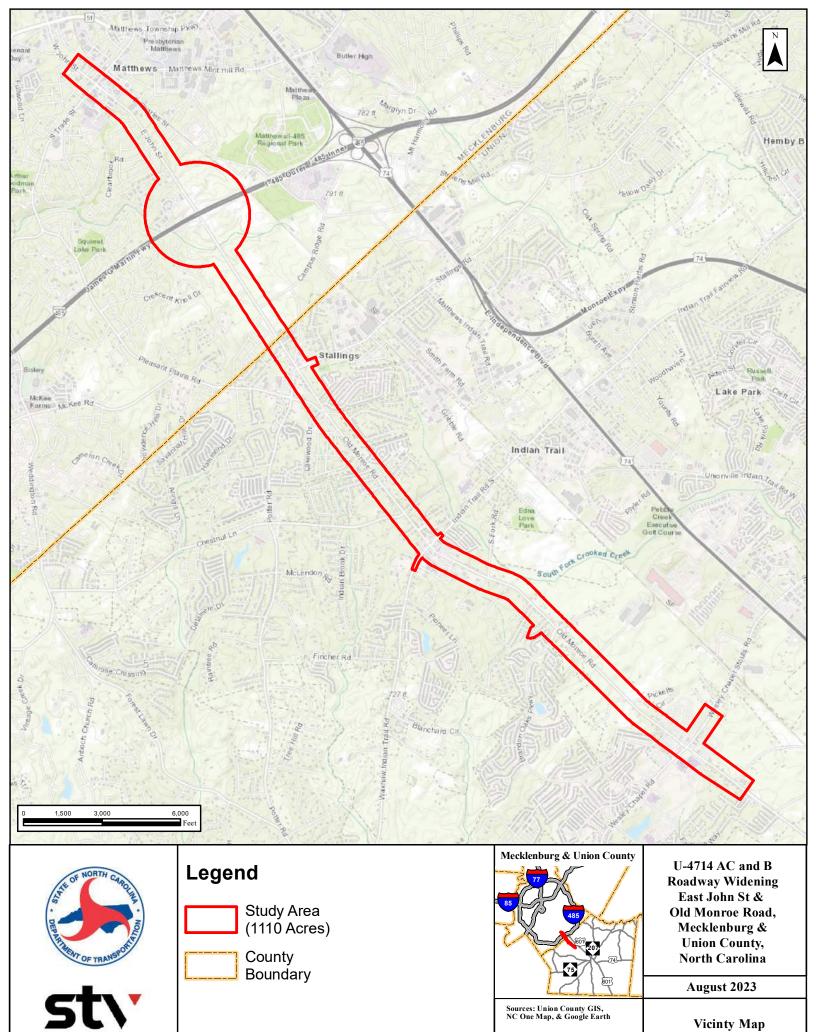
DocuSigned by:

Olexander J. Foster

Alex Foster, PE Senior Project Manager

cc: Matt Wilkerson, NCDOT Archaeology Team Leader

Website: www.ncdot.gov





STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

PAT MCCRORY GOVERNOR ANTHONY J. TATA
SECRETARY

August 5, 2014

Ramona Bartos, Administrator State Historic Preservation Office Deputy State Historic Preservation Officer 4617 Mail Service Center Raleigh, NC 27699-4617

RE:

John Street/Old Monroe Road Widening, Mecklenburg and Union Counties, TIP# U-4714, ER 13-

0879

Ms. Bartos,

Thank you for your correspondence of May 17, 2013 regarding the above-mentioned project. In response to comments provided by the Office of State Archaeology (OSA), consultation was held on Tuesday, August 5, 2014, between Paul J. Mohler (NCDOT Archaeologist) and John Mintz (OSA) to review and discuss preliminary design plans for the widening of SR 1009 (John Street/Old Monroe Road) from its intersection with Freemont Street in the Town of Matthews, Mecklenburg County, to its intersection with SR 1377 (Wesley Chapel/Stouts Road) in Union County.

Based on the mapping provided at this meeting as well as a thorough review of soil/landscape conditions, current commercial and residential development, previous archaeological survey results, and the nature and extent of the proposed project, it was determined that the project corridor, as depicted, is unlikely to contain intact and significant archaeological resources. Therefore, OSA does not recommend an archaeological survey be conducted for this project. However, if design plans change, then additional consultation regarding archaeology will be required.

Thank you for your assistance in this matter. If you have any questions concerning this project, please contact me at (919) 707-6089 or Mr. Paul J. Mohler, NCDOT Archaeologist, at (919) 707-6080.

Sincerely,

Matt Wilkerson

Archaeology Supervisor
Human Environment Section

MTW/pjm

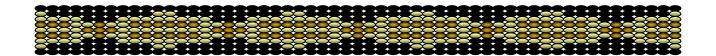
cc:

Elmo Vance, PDEA

Paul J. Mohler, Archaeology

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

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



September 15, 2023

Attention: Alex Foster NC Dept. of Transportation 1595 Mail Service Center Raleigh, NC 27699

Re. THPO # TCNS #

Project Description

2023-193-219

Proposes to widen 6.5 miles of the existing two-lane East John Street-Old Monroe Road

to a multi lane facility from Trade Street in the Town of Matthews U-4714AC & B

Dear Mr. Foster,

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 areas. 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 803-328-7369, or e-mail Caitlin.Rogers@catawba.com.

Sincerely,

Wenonah G. Haire

Tribal Historic Preservation Officer

Cattle Rogers for

NEPA/SEPA Document

EA/FONSI available upon request