

Project Submittal Interim Form



Updated September 4, 2020

*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.*

Project Type: *

- ☐ For the Record Only (Courtesy Copy)
- ☐ New Project
- ☒ Modification/New Project with Existing ID
- ☐ More Information Response
- ☐ Other Agency Comments
- ☐ Pre-Application Submittal
- ☐ Re-Issuance/Renewal Request
- ☐ Stream or Buffer Appeal

Project Contact Information

Name: Gordon Cashin
Who is submitting the information?

Email Address: * gcashin@ncdot.gov

Project Information

Existing ID #: *

200080737
20170001 (no dashes)

Existing Version: *

13
1

Project Name: * Fayetteville Outer Loop - south of SR 1003 (Camden Road) to south of SR 1104 (Strickland Bridge Road) U-2519 BA & BB

Is this a public transportation project? *

- ☒ Yes
- ☐ No

Is this a DOT project? *

- ☒ Yes
- ☐ No

Is the project located within a NC DCM Area of Environmental Concern (AEC)? *

- ☐ Yes
- ☒ No
- ☐ Unknown

TIP#:

U-2519 BA & BB

WBS#:

34817.3.13
(Applies to DOT projects only)

County (ies) *

Cumberland

Please upload all files that need to be submitted.

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

U-2519BA_BB Individual Modification Cumberland

6.95MB

March 7 2022.pdf

Only pdf or kmz files are accepted.

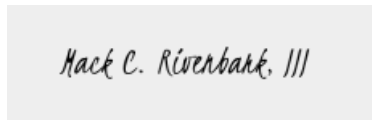
Describe the attachments or add comments:

Cover letter, revised permit drawings, revised Privateer Farms Debit Ledger.

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

- I, the project proponent, hereby certifies that all information contained herein is true, accurate, and complete to the best of my knowledge and belief.
- I, 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 agree that submission of this online 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 online form.

Signature: *

A rectangular box containing a handwritten signature in black ink. The signature reads "Mack C. Riverbank, III".

Submittal Date: 3/7/2022

Is filled in automatically once submitted.



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

J. ERIC BOYETTE
SECRETARY

March 7, 2022

Wilmington Regulatory Field Office
US Army Corps of Engineers
69 Darlington Avenue
Wilmington, North Carolina 28403

ATTN: Ms. Liz Hair
NCDOT Coordinator

Subject: **Revised Request for Modification to Individual Section 404 and Modification Request for Section 401 Water Quality Certification** for Fayetteville Outer Loop from I-95 South of Fayetteville to NC 24-87, Cumberland, Hoke, and Robeson Counties. Federal Aid Project No. NHP-0620(031), TIP Nos. X-0002 B & C, and U-2519 AA, AB, BA, BB, CA, CB, DA, & E. WBS 34817.3.13

References: Section 404 Individual Permit issued October 23, 2008 (SAW-2008-01413)
Section 401 Water Quality Certification issued October 6, 2008 (20080737)

Dear Madam:

The purpose of this modification request is to address small design changes to the U-2519 BA project that have resulted in a slight increase to the project impacts.

As you are aware, several sections of X-0002 B & C and U-2519 are constructed or currently under construction. U-2519 BA is an approximately 3.77 mile section of the Fayetteville Outer Loop that begins south of SR 1003 (Camden Road) and extends to south of SR 1104 (Strickland Bridge Road). U-2519 BB is an approximately 1.25 mile section of the Fayetteville Outer Loop that begins south of SR 1104 (Strickland Bridge Road) and extends to south of US 401.

Several changes have been made to the design plans that affect proposed wetland impact totals for U-2519 BA. These changes are in the area of Camden Road (SR 1003), affecting permit site 2B. NCDOT submitted a permit modification request on December 14, 2021 to address an increase in fill in wetlands from 0.11 to 0.12 acre and mechanized land clearing from 0.05 to 0.09 acre, for a total increase of 0.05 acre of permanent wetland impact. Revised permit drawings were included with this modification request. This modification request was approved by the N.C. Division of Water Resources on December 15, 2021 (NCDWR Project No. 20080737 v. 12).

Since then, more revisions have taken place in the Camden Road area due to the addition of a U-turn bulb at site 2B (-Y13- 58+00 +/-). This results in an increase of an additional 0.02 acre of permanent wetland impact, to 0.14 acre at Site 2B.

Mailing Address:
NC DEPARTMENT OF TRANSPORTATION
ENVIRONMENTAL ANALYSIS UNIT
1598 MAIL SERVICE CENTER
RALEIGH, NC 27699-1548

Telephone: (919) 707-6000
Fax: (919) 250-4224
Customer Service: 1-877-368-4968

Website: www.ncdot.gov

Location:
1020 BIRCH RIDGE DRIVE
RALEIGH, NC 27610

For U-2519 BB the project limits were extended from L Station 575+50 to L Station 580+00 and final paving plans (from U-2519CA) were added from L Station 580+00 to L Station 604+39.00. The U-2519 BB project permit drawings require an updated Title Sheet due to the addition of PSH 7A and PSH 7B. However, PSH 7A and PSH 7B are simply plans showing the final layer of asphalt and no work with regards to drainage is being done that would affect slope stakes and more importantly impacts that are already permitted as part of the U-2519 CA project, no revisions to the U-2519 BB permit drawings are necessary. We are however enclosing an updated title sheet which shows sheets 7A and 7B.

Surveys for all federally-protected species listed for Cumberland County were updated in 2020 and 2021. A biological conclusion of “No Effect” remains current for all species except the red-cockaded woodpecker (RCW) and the northern long-eared bat. A Biological Opinion was issued on April 28, 2005; however, the 2016 report for sections U-2519 BA & BB states that “no RCW cavity trees will be impacted or ‘taken’ by the project.”

The US Fish and Wildlife Service has revised the previous programmatic biological opinion (PBO) in conjunction with the Federal Highway Administration (FHWA), the US Army Corps of Engineers (USACE), and NCDOT for the northern long-eared bat (NLEB) (*Myotis septentrionalis*) in eastern North Carolina. The PBO covers the entire NCDOT program in Divisions 1-8, including all NCDOT projects and activities. Although this programmatic covers Divisions 1-8, NLEBs are currently only known in 22 counties, but may potentially occur in 8 additional counties within Divisions 1-8. NCDOT, FHWA, and USACE have agreed to two conservation measures which will avoid/minimize mortality of NLEBs. These conservation measures only apply to the 30 current known/potential counties shown on Figure 2 of the PBO at this time. The programmatic determination for NLEB for the NCDOT program is **May Affect, Likely to Adversely Affect**. The PBO will ensure compliance with Section 7 of the Endangered Species Act for ten years (effective through December 31, 2030) for all NCDOT projects with a federal nexus in Divisions 1-8, which includes Cumberland County, where U-2519 BA & BB are located.

Compensatory Mitigation

Compensatory mitigation for the updated total of 7.2 acres of permanent wetland impacts for U-2519 BA has been debited from the Privateer Wetland and Stream Mitigation Site. A revised debit ledger for the Privateer Wetland and Stream Mitigation Site is attached to this modification request.

Utility Impacts

At this time, no changes are proposed to utility work on this section that would involve wetland or stream impacts.

Regulatory Approvals

U-2519 BA & BB have a combined letting date of June 21, 2022

Section 404: We are hereby requesting the modifications described above for the USACE Individual 404 Permit signed October 23, 2008 (SAW-2008-01413), for the above-described activities.

Section 401: We are hereby requesting a modification to the 401 Water Quality Certification from the NCDWR issued October 6, 2008 (DWQ No. 003278). In compliance with Section 143-215.3D(e) of the NCAC, please debit \$570.00 from WBS 34817.1.FR7 for processing the Section 401 permit modification.

A copy of this modification request and its distribution list will be posted on the NCDOT website at: <https://xfer.services.ncdot.gov/pdea/PermApps/>

Thank you for your assistance with this project. If you have any questions or need additional information, please contact Gordon Cashin at 919-707-6107 or gcashin@ncdot.gov.

Sincerely,

DocuSigned by:

Mack C. Rivenbark III

AAAD1248B309416...

for Philip S. Harris III, P.E., C.P.M., Unit Head
Environmental Analysis Unit

cc: NCDOT Permit Application Standard Distribution List

Privateer
WM 026-005

The Privateer Farms Restoration Site (Site) is located in Bladen and Cumberland Counties, North Carolina, approximately fourteen miles southeast of Fayetteville. Prior to restoration, land use on the Site over the past 20 years had been primarily row crop agriculture. Stream and riparian functions on the Site had been severely impacted as a result of agricultural conversion. Harrison Creek had historically meandered through the Site, but was channelized in the early 1980s to reduce flooding and provide a drainage outlet for the extensive network of ditches excavated across the Site. Subsequent to channelization, Harrison Creek existed as a large canal running straight through the Site.

Restoration activities for the Site involved moving the stream channel back to its historic location and elevation, and filling drainage ditches to raise the local water table and restore wetland and stream hydrology. The plan also included scarification of the fields and breaking of the local plow pan to increase surface water storage and provide a range of hydrologic conditions suitable for a variety of native wetland plant species. The restoration plan for the Site predicted the restoration of 405 acres of riverine wetlands, 25 acres of riverine wetland enhancement, and 33,985 linear feet (LF) of stream restoration. Following construction, the as-built data indicated that the total area of restored riverine wetlands was 402.5 acres (excluding 2.5 acres for road accesses), with 25 acres of enhanced riverine wetlands, and 34,005 LF of restored stream channel.

As of fall 2009, the Site has met all prescribed hydrologic and vegetative monitoring criteria and been recommended for closeout.

To offset unavoidable wetland and stream impacts associated with T.I.P. U-2519 BA/BB, the Privateer Mitigation Site will be debited 1 ac of Riparian wetland for 1 acre of Riparian wetland impact, 21.33 acres of Riparian Wetland for 7.11 acre of non-riparian wetland impact, and 2142 linear feet of stream for 1428 linear of stream impacts. These debits and credits are reflected in the following ledger.

HUC	Mitigation Type	Starting Amount	Additional Notes
3030004	Stream Restoration	25676	**Out of service area ratios: 1.5:1 ratio for stream impacts 3:1 for wetland impacts
3030004	Riparian Wetland Restoration	185.58	**Out of service area ratios: 1.5:1 ratio for stream impacts 3:1 for wetland impacts

Privateer
WM 026-005

TYPE	DEBITAMOUNT	Status	SITE TIP	Action ID#	Notes
S_REST	-25676	Close Out	From EEP for U-2519/X-2		Credits transferred from EEP. **Out of service area ratios: 1.5:1 ratio for stream impacts 3:1 for wetland impacts
S_REST	-918	Close Out	U-2519CB, DA Mod	2008-01413	612 lf reduction @ 1.5:1
S_REST	-529.5	Close Out	U-2519CB, DA Mod	2008-01413	353 lf reduction @ 1.5:1
S_REST	214.5	Close Out	U-2519CB, DA Mod	2008-01413	143 lf addition @ 1.5:1
S_REST	615	Close Out	X-0002C Site 8 Mod	2008-01413	410 lf addition @ 1.5:1
S_REST	852	Close Out	U-2519CA Mod	2008-01413	568 lf addition @ 1.5:1
S_REST	1329	Close Out	U-2519, X-0002 Mod	2008-01413	886 lf addition @ 1.5:1. Unable to Confirm in permits. Taken from old ledger (Math works out)
S_REST	1518	Close Out	R-4903	2009-00655	1012 lf of impacts @ 1.5:1.
S_REST	8329	Close Out	EEP		Site transferred to EEP
S_REST	18519	Close Out	U-2519, X-0002	2008-01413	12,346 lf @ 1.5:1. Original Permit
S_REST	2142	Close Out	U-2519 BA BB		1428 lf @ 1.5:1

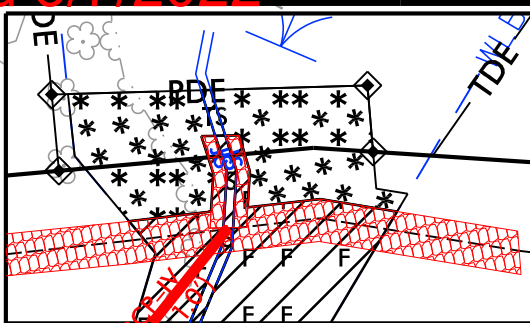
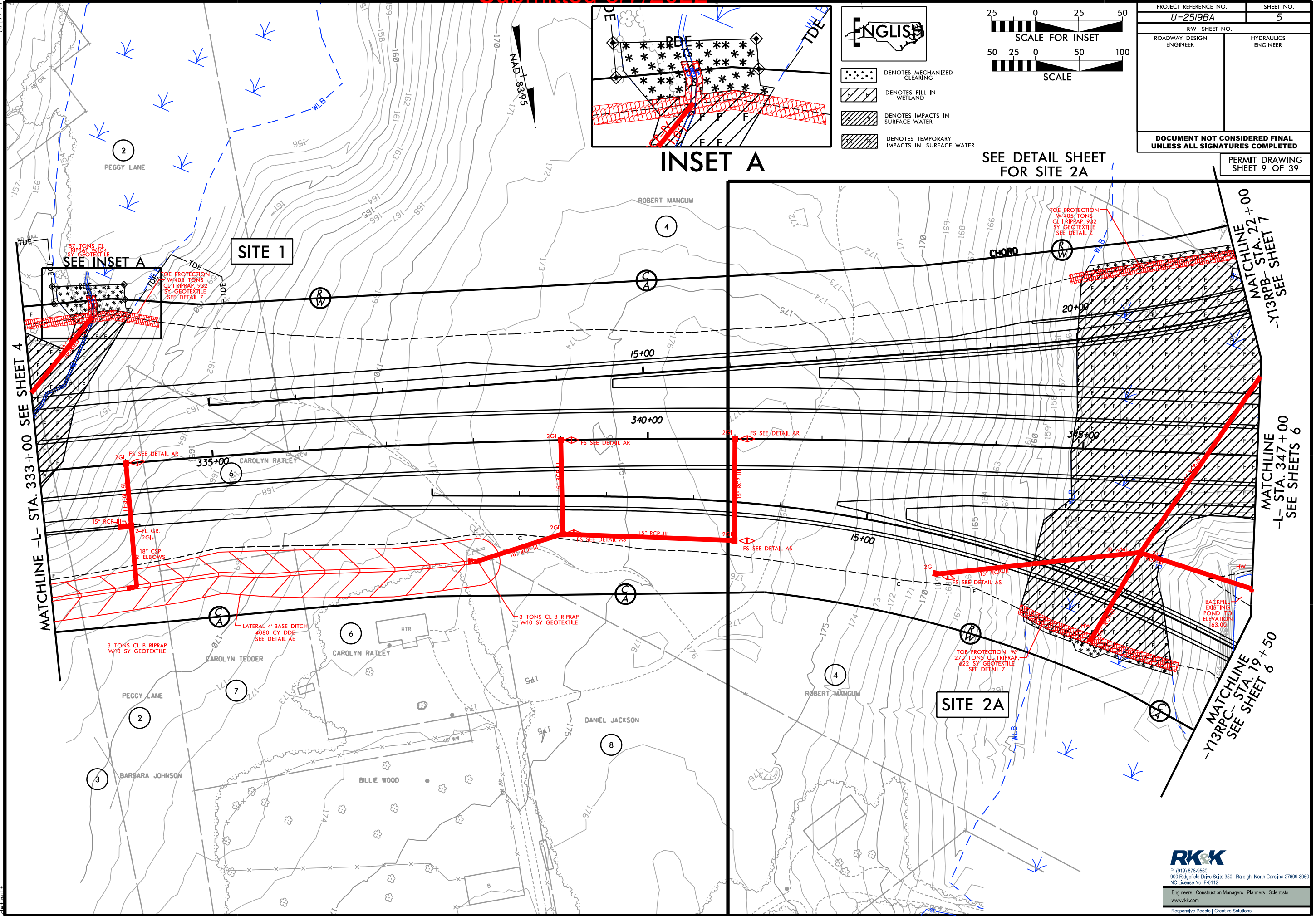
Privateer
WM 026-005

TYPE	DEBIT AMOUNT	Status	SITE TIP	Action ID#	Notes
RW_REST	-101.76	Close Out	From EEP for U-2519/X-2		Credits transferred from EEP. **Out of service area ratios: 1.5:1 ratio for stream impacts 3:1 for wetland impacts
RW_REST	-39.6	Close Out	From EEP for R-2303		Credits transferred from EEP. **Out of service area ratios: 1.5:1 ratio for stream impacts 3:1 for wetland impacts
RW_REST	-23.86	Close Out	From EEP for U-2519/X-2		Credits transferred from EEP. **Out of service area ratios: 1.5:1 ratio for stream impacts 3:1 for wetland impacts
RW_REST	-20.36	Close Out	From EEP for U-2519		Credits transferred from EEP. **Out of service area ratios: 1.5:1 ratio for stream impacts 3:1 for wetland impacts
RW_REST	-0.6	Close Out	U-2519CB, DA Mod	2008-01413	0.2 ac reduction @ 3:1.
RW_REST	-0.06	Close Out	U-2519CB, DA Mod	2008-01413	0.02 ac reduction @ 3:1.
RW_REST	0.15	Close Out	R-2303A	1992-03237	Permit Mod 0.5 ac impacts @ 3:1
RW_REST	1.14	Close Out	U-2519CB, DA Mod	2008-01413	0.38 ac addition @ 3:1.
RW_REST	1.29	Close Out	X-0002C Site 8	2008-01413	0.43 ac addition @ 3:1.
RW_REST	5.1	Close Out	U-2519E		Unable to Confirm. Unknown what the source of this debit is.
RW_REST	6.99	Close Out	U-2519CA Mod	2008-01413	2.33 ac addition @ 3:1.
RW_REST	7.38	Close Out	R-2303A	1992-03237	
RW_REST	145.29	Close Out	U-2519, X-0002	2008-01413	48.43 ac @ 3:1. Original Permit Estimate for all sections
RW_REST	216.92	Close Out	EEP		Site Transferred to EEP
RW_REST	1	Close Out	U-2519 BA/BB		1 ac Riparian Wetland impact @ 1:1 ratio
RW_REST	21.54	Close Out	U-2519 BA/BB		7.18 ac Non-Riparian wetland impact @ 3:1



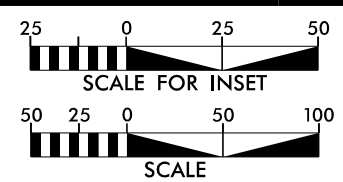
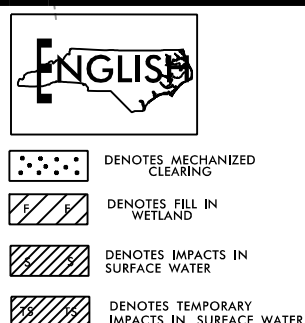
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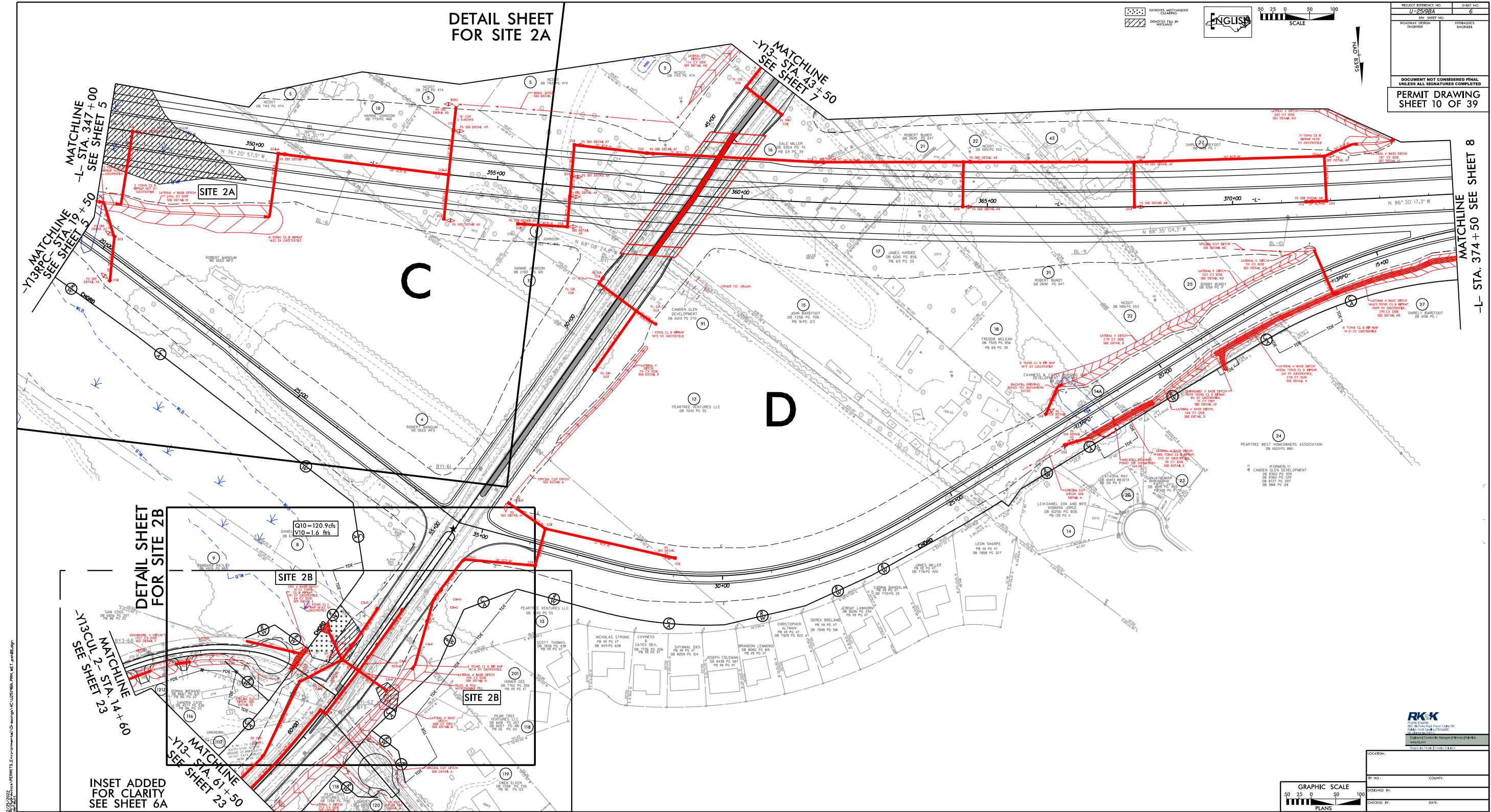


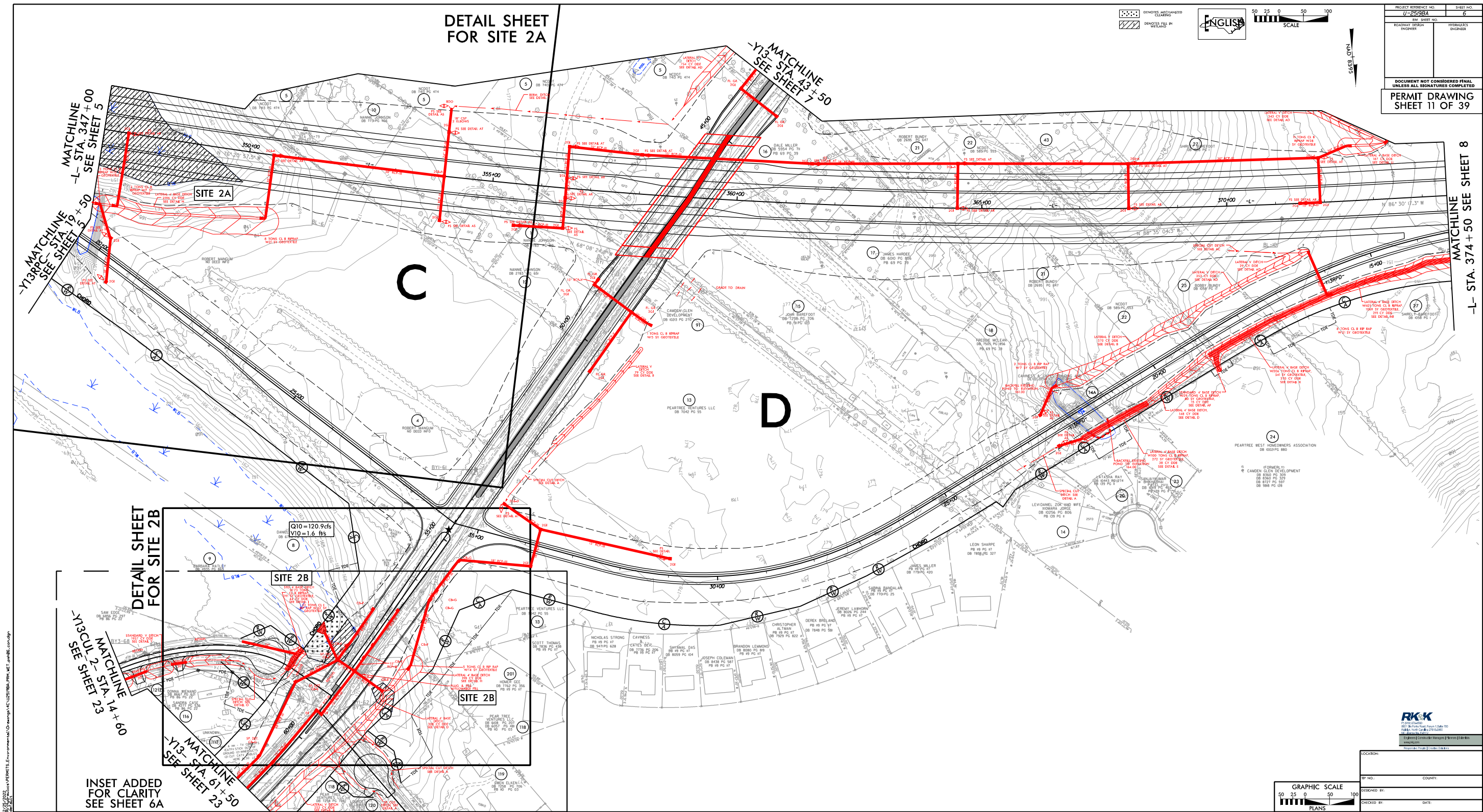
INSET A

SEE DETAIL SHEET FOR SITE 2A



PROJECT REFERENCE NO.	SHEET NO.
U-2519BA	5
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
PERMIT DRAWING SHEET 9 OF 39	

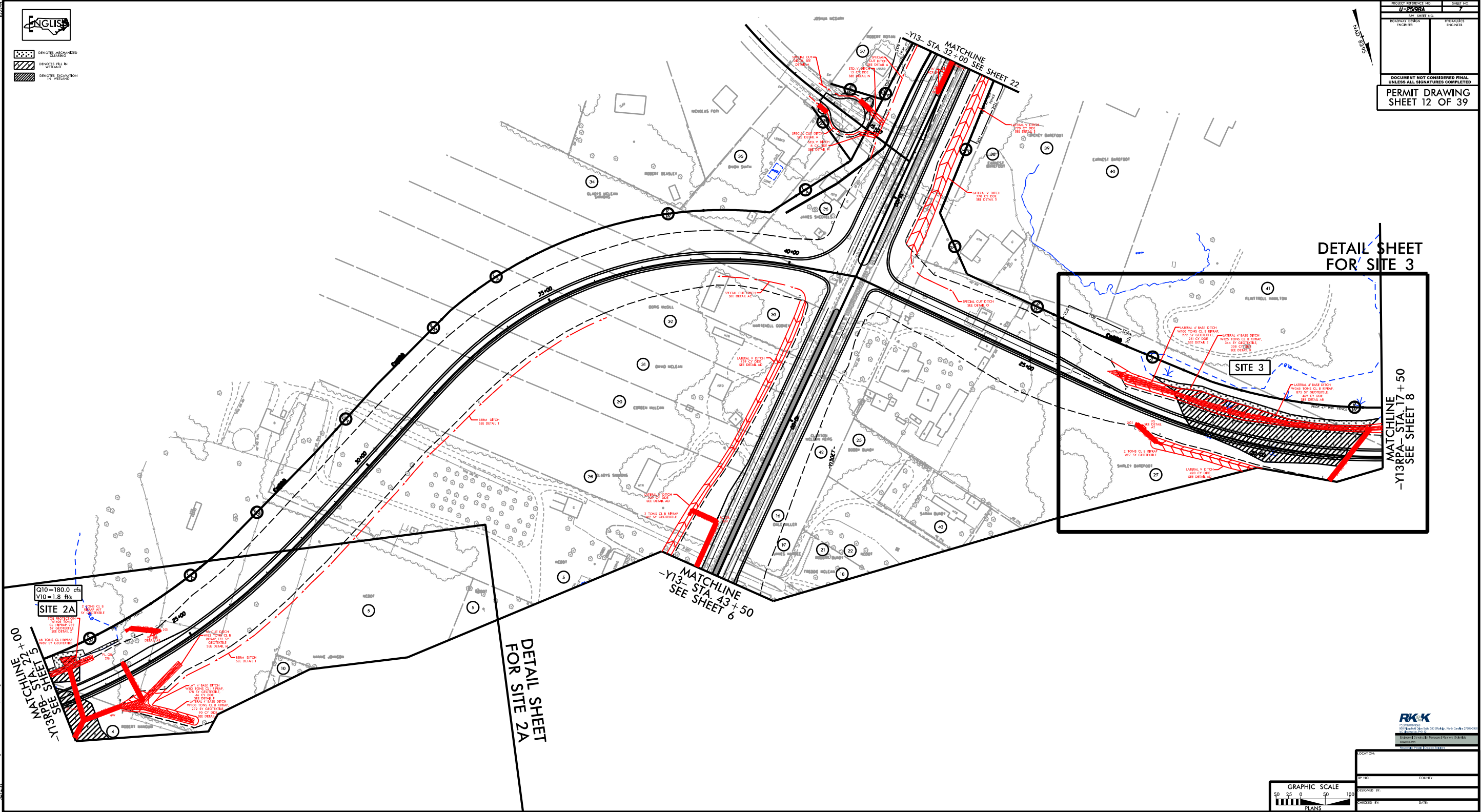






PROJECT REFERENCE NO. U-2558A	SHEET NO. 7
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
PERMIT DRAWING SHEET 12 OF 39	

MAITCHLINE
-Y13RPA- STA. 17 + 50
SEE SHEET 8





Q10=180.0 cfs
V10=1.8 ft/s

SITE 2A

[illegible]

**DETAIL SHEET
FOR SITE 2A**

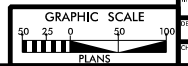
MATCHLINE
-Y13- STA. 43+50
SEE SHEET 6

DETAIL SHEET
FOR SITE 3

SITE 3

—Y13RPA— STA. 17 + 50
SEE SHEET 8

PROJECT REFERENCE NO.		SHEET NO.	
U-2588A		7	
RW SHEET NO.			
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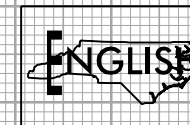


RK&K
 (919) 878-9560
 1000 Old Dixie Suite 350 | Raleigh, North Carolina 27605-2002
 Fax: (919) 878-1112
 e-mail: info@rkandk.com
www.rkandk.com
 Equal Opportunity Employer M/F/V/H

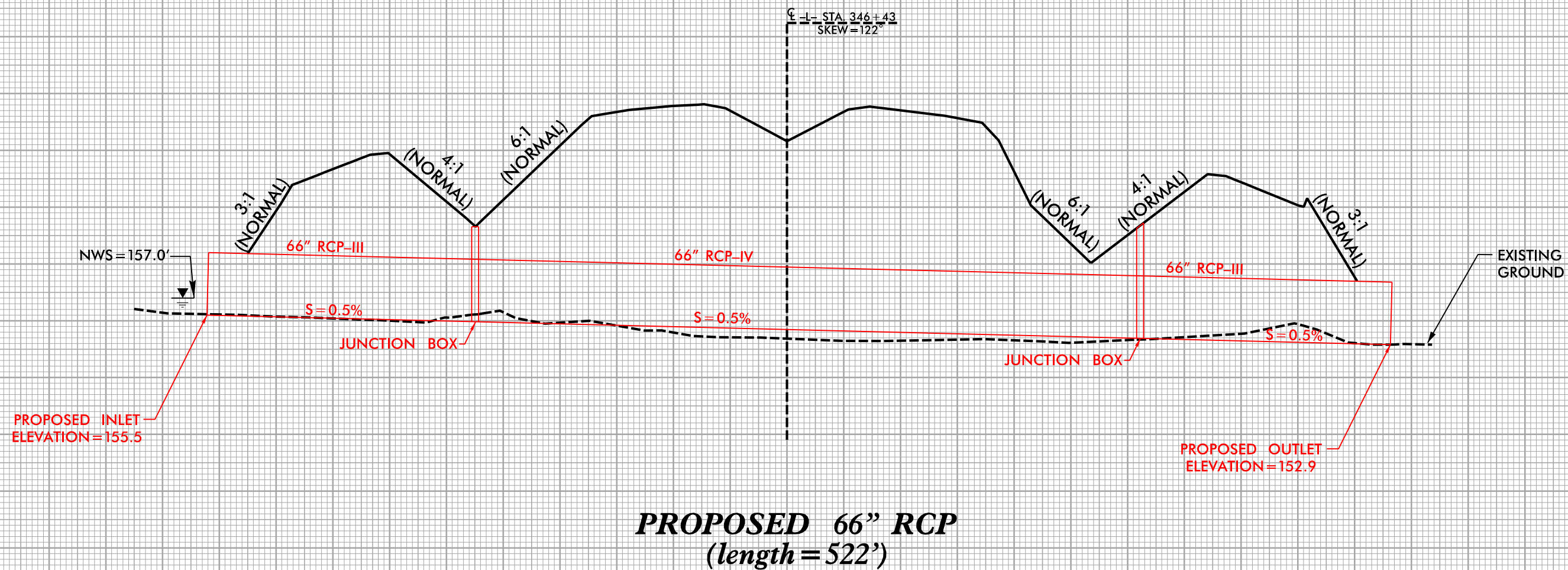
LOCATION:	
P NO.:	COUNTY:
DESIGNED BY:	
CHECKED BY:	DATE:

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

PERMIT DRAWING
SHEET 16 OF 39



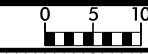
SITE 2A
-L- 346 + 43



5/14/99

11/13/2019
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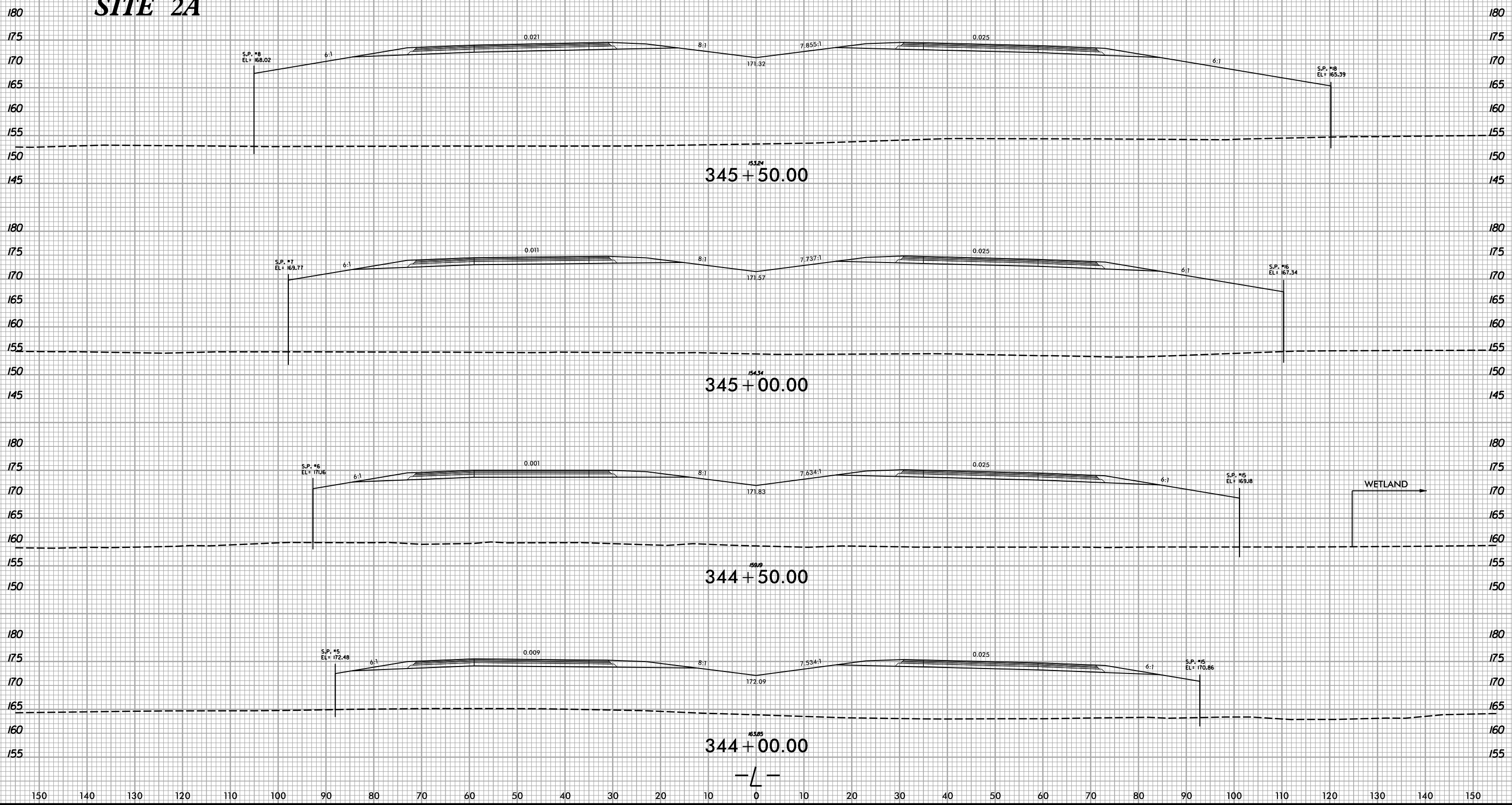
8/23/99



PROJ. REFERENCE NO.	SHEET NO.
U-2519BA	X-10

PERMIT DRAWING
SHEET 17 OF 39

SITE 2A

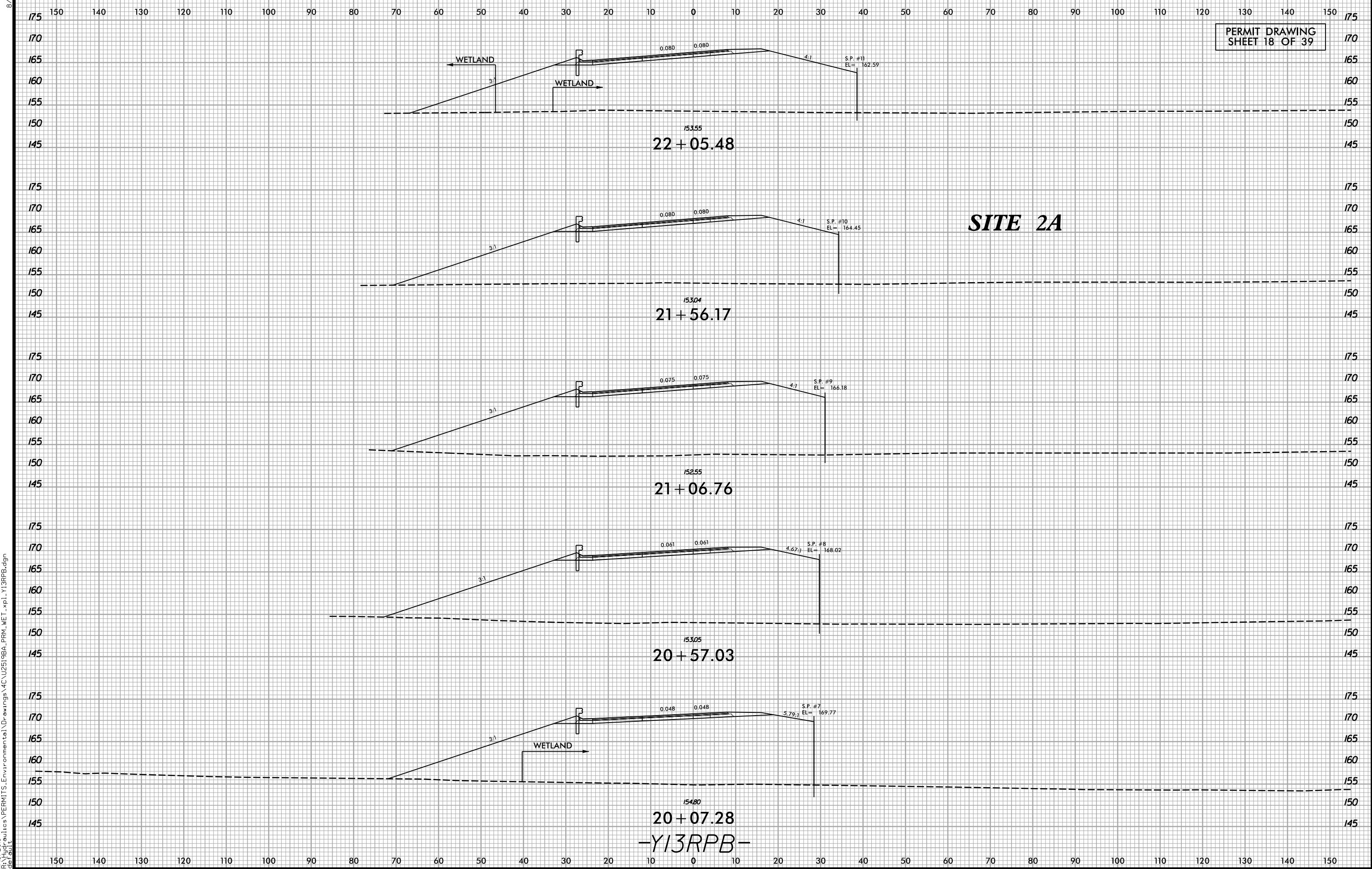


WETLAND

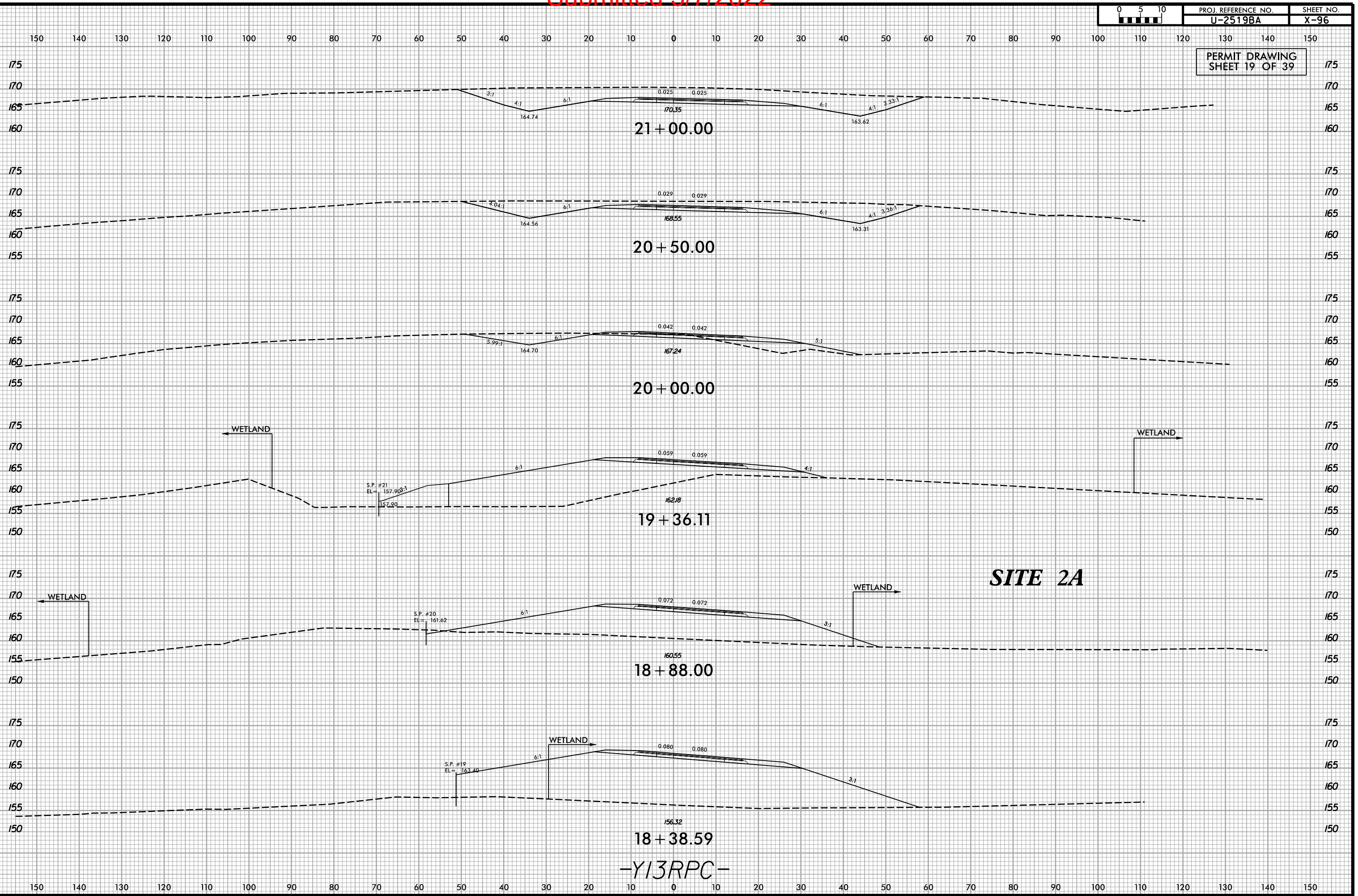
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8/23/99

PERMIT DRAWING
SHEET 18 OF 39



20+07.28
-Y13RPB-



WETLAND PERMIT IMPACT SUMMARY												
			WETLAND IMPACTS					SURFACE WATER IMPACTS				
Site No.	Station (From/To)	Structure Size / Type	Permanent Fill In Wetlands (ac)	Temp. Fill In Wetlands (ac)	Excavation in Wetlands (ac)	Mechanized Clearing in Wetlands (ac)	Hand Clearing in Wetlands (ac)	Permanent SW impacts (ac)	Temp. SW impacts (ac)	Existing Channel Impacts Permanent (ft)	Existing Channel Impacts Temp. (ft)	Natural Stream Design (ft)
1	-L- 330+46 - 333+76	72" RCP-IV						0.03	< 0.01	494	13	
		BANK STABILIZATION						< 0.01	< 0.01	25	12	
		FILL	1.75			0.10						
2A	-L- 344+86 - 348+95	66" RCP	2.82			0.09						
2B	-Y13- 57+42 - 58+60	36" RCP ¹	0.14			0.09						
3	-Y13RPA- 17+57 - 22+58 RT	FILL	0.51		0.19	0.10						
4	-L- 397+07 - 398+81	BRIDGE ²	< 0.01	< 0.01		0.02	0.60					
5	-L- 409+08 - 409+92 LT	24" RCP	0.02			0.02						
6	-L- 441+57 - 443+35	54" RCP	0.82		< 0.01	0.11		0.10	0.04			
7	-L- 489+30 - 489+82	54" RCP	0.36			0.03						
TOTALS*:			6.42	< 0.01	0.20	0.55	0.60	0.13	0.04	518	26	0

*Rounded totals are sum of actual impacts

NOTES:

1. INCLUDES -Y13- DETOUR IMPACTS
2. SUMMARIZES BRIDGE & TEMPORARY WORK BRIDGE IMPACTS: PERMANENT FILL IN WETLAND IMPACT DUE TO THE PROPOSED BENTS IS 130.7 SQ. FT (<0.01 ac) (INCLUDED ABOVE)
- TEMPORARY IMPACTS DUE TO THE TEMPORARY WORK BRIDGE IS 350 SQ. FT (<0.01 ac) (INCLUDED ABOVE)

NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
NOVEMBER 2019
CUMBERLAND
U2519BA

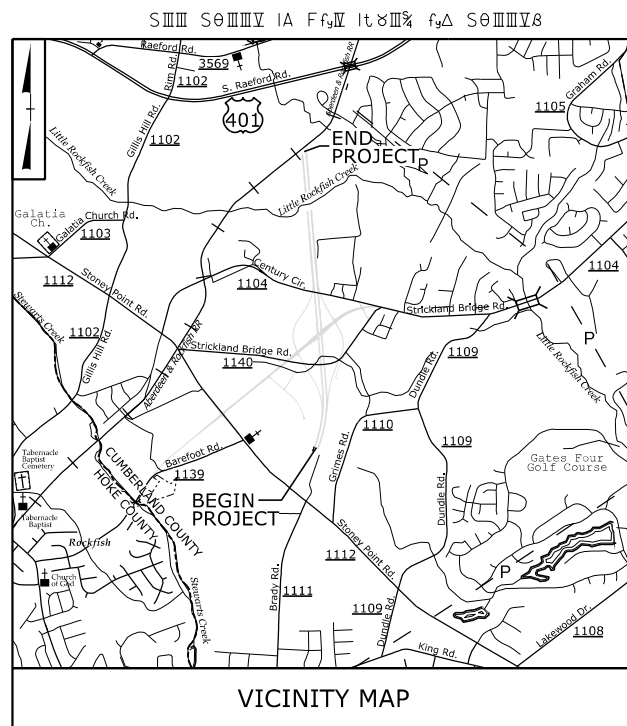
CONTRACT: C204110

CUMBERLAND COUNTY

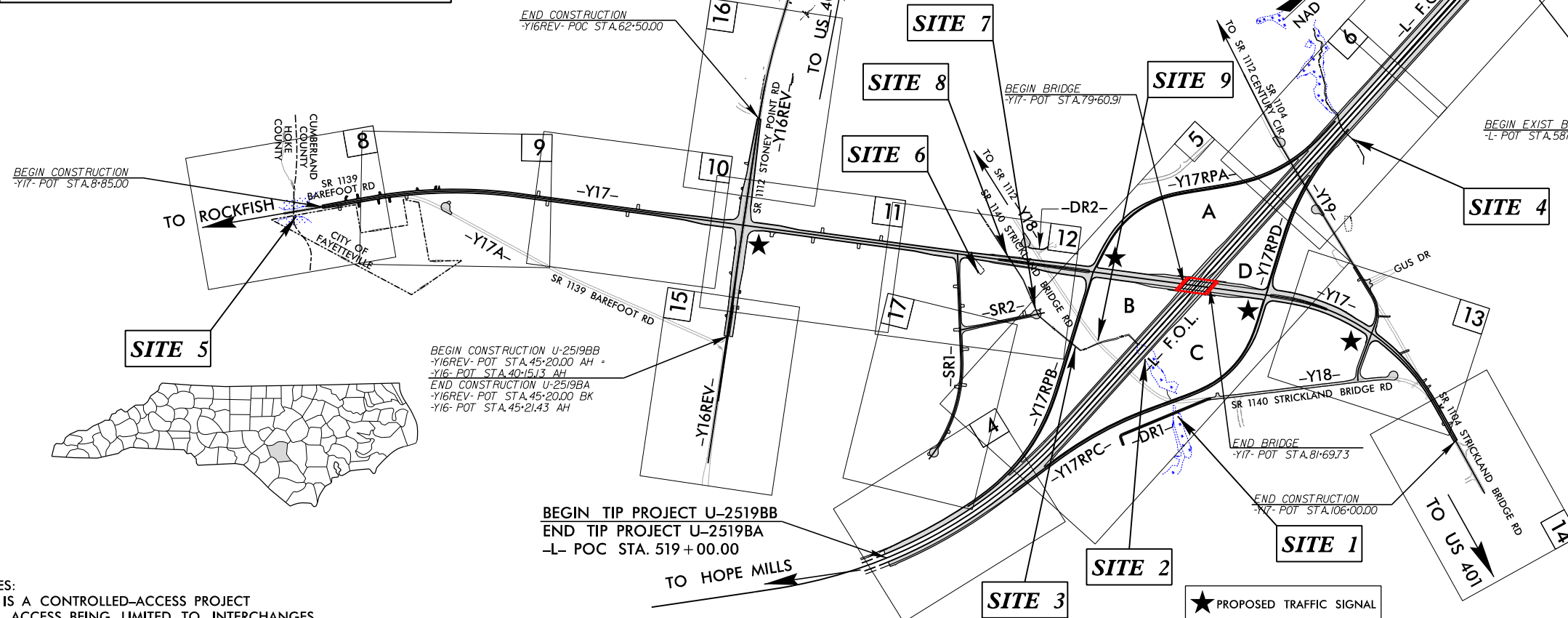
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-2519BB	1	
STATE WBS NO.	F.A. PROJ.NO.	DESCRIPTION	
34817.1.FR8	NHF-0100(25)	PE	
34817.2.FR15	NHF-0100(025)	ROW	
34817.2.11	NHF-0100(025)	UTIL	
34817.3.15	NHF-0100(025)	CONST	

PERMIT DRAWING
SHEET 1 OF 21

END TIP PROJECT U-2519BB
BEGIN TIP PROJECT U-2519CA
-L- POT STA. 604+39.00



WETLAND AND SURFACE WATER IMPACTS PERMIT




NOTES:
THIS IS A CONTROLLED-ACCESS PROJECT
WITH ACCESS BEING LIMITED TO INTERCHANGES.

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

ADT 2022 = 39,280
ADT 2042 = 48,680
K = 8 %
D = 55 %
T = 12 % *
V = 70 MPH
* 4% TTST + 8% DUAL

FUNC CLASS=INTERSTATE
STATEWIDE TIER

LENGTH ROADWAY TIP PROJECT U-2519BB	=	1.524 MILES
TOTAL LENGTH TIP PROJECT U-2519BB	=	<u>1.524 MILES</u>

Prepared in the Office of:

 FOR THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
SEPTEMBER 29, 2016

LETTING DATE:
JUNE 21, 2022

NCDOT CONTACT: JOHN CONFORTI, REM
NCDOT PROJECT MANAGER

SIGNATURE: _____ **P.E.** _____

**ROADWAY DESIGN
ENGINEER**

P.E.

SIGNATURE:

