

Project Submittal Interim Form



Updated December 4, 2023

*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: Jason Dilday
Who is submitting the information?

Email Address: * jldilday1@ncdot.gov

Project Information

Existing ID #: *	Existing Version: *
20210307	1
<i>20170001 (no dashes)</i>	<i>1</i>

Project Name: * U-5798B (Widening of SR1102 from South of Celtic Drive to SR 1418, Hoke and Cumberland Cos.)

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

Does this project involve maintenance dredging funded by the Shallow Draft Navigation Channel Dredging and Aquatic Weed Fund or involve the distribution or transmission of energy or fuel, including natural gas, diesel, petroleum, or electricity? *

- Yes
- No

Is this project connected with ARPA funding? *

- Yes
- No

TIP#:

U-5798B

WBS#:

44369.1.3

(Applies to DOT projects only)

County (ies) *

Cumberland

Hoke

Please upload all files that need to be submitted.

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

U5798B Permit Mod Request.pdf

4.55MB

Only pdf or kmz files are accepted.

Describe the attachments or add comments:

Attached is a request for modification of the existing phased permit for U-5798. Included is the cover letter, wetland and stream impact drawings, utility impact drawings and DMS mitigation acceptance letter.

* 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: *

Jason Dillard

Submittal Date:

6/5/2024



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

J.R. "JOEY" HOPKINS
SECRETARY

June 5, 2024

US Army Corps of Engineers
3331 Heritage Drive Suite #105
Wake Forest, North Carolina 27587

N.C. Division of Water Resources
512 N. Salisbury Street
Raleigh, North Carolina 27604

Attention: Mr. Eric Alsmeyer
NCDOT Coordinator

Attention: Mr. Rob Ridings
NCDOT Coordinator

Subject: **Permit Modification for the Section 404 Individual Permit and Section 401 Individual Water Quality Certification** for the proposed widening of SR 1102 (Gillis Hill Road) from South of Celtic Drive to SR 1418 (Lindsay Road), Cumberland and Hoke Counties. TIP No. U-5798A and B. Debit \$767 from WBS 44369.1.3

References: Section 404 Permit No. SAW-2020-00079, issued January 26, 2022
Section 401 Permit No. 20210307, issued September 22, 2021

Dear Sir:

Please see the enclosed revised permit drawings and impact summary sheet for the above referenced project.

This modification request is for the continued construction of the B section of U-5798. This section continues from the terminus of the A section at Stoney Point Road (SR1112) to south of Celtic Drive.

Jurisdictional Resources

Impacts to jurisdictional resources as a result of construction of U-5798B total 0.60 acre of riparian wetland, 596 linear feet of permanent stream impact and 133 linear feet of temporary stream impact. A comparison of the preliminary impacts with the final impacts is presented in Tables 1 and 2.

Wetlands

Wetland impacts occur in the Cape Fear River Basin in HUC 03030004. Final design reduced the amount of wetland impact by 0.14 acre from the preliminary for a total of 0.60 acre. An additional 0.36 acre of impact to riparian wetlands will occur due to hand clearing. 0.46 acre of impact is attributed to construction of the new roadway.

Utility impacts to wetlands total 0.14 acre due to the placement of overhead powerlines and a gravity sewer line.

Table 1. U-5798B Wetland Impacts

Site	Wetland Name	Wetland Type	Preliminary Impact	Final Impact
2	WI	Riparian Bottomland Hardwood Forest	0.69 (0.63 ac. perm. fill, 0.06 excavation)	0.39 (0.039 ac. perm. fill)
3	WJ	Riparian Bottomland Hardwood Forest	0.15 (0.15 ac. perm. fill)	0.07 (0.07 ac. perm fill)
Util-1	WJ	Riparian Bottomland Hardwood Forest	Not determined	0.01 (<0.01 ac. perm. fill, <0.01ac. mech. clearing)
Util-2	WI	Riparian Bottomland Hardwood Forest	Not determined	0.13 (<0.01 ac. perm fill, 0.12 ac. mech. clearing)
Total			0.74 ac.	0.60 ac.

Streams

Surface water impacts occur in the Cape Fear River Basin in HUC 03030004. Permanent stream impacts total 596 linear feet. This is less than the preliminary impact estimate of 815 linear feet (-219 linear feet). Temporary stream impact totals 133 linear feet.

There are no stream impacts associated with utility work for the project.

Table 2. U-5798B Stream Impacts

Site	Impact Type	Permanent Impact (Preliminary)	Permanent Impact (Final)	Temporary Impact (Final)
1	Fill slope	660	453	89
4	Culvert	155	143	44
Total		815	596	133

Protected Species

The United States Fish and Wildlife Service (USFWS) list the following federally protected species within the PSA, under the Endangered Species Act (ESA) (Table 3).

Scientific Name	Common Name	Federal Status	Habitat Present	Biological Conclusion
<i>Perimyotis subflavus</i>	Tri-colored bat	Proposed Endangered	Yes	MALAA
<i>Picoides borealis</i>	Red-cockaded woodpecker	Endangered	No	No Effect
<i>Alligator mississippiensis</i>	American alligator	Similarity of Appearance (Threatened)	Yes	Not Required
<i>Schwalbea americana</i>	American chaffseed	Endangered	No	No Effect
<i>Rhus michauxii</i>	Michaux's sumac	Endangered	Yes	No Effect
<i>Lindera melissifolia</i>	Pondberry	Endangered	Yes	No Effect
<i>Lysimachia asperulaefolia</i>	Rough-leaved loosestrife	Endangered	Yes	No Effect

The US Fish and Wildlife Service has issued a programmatic conference opinion (PCO) in conjunction with the Federal Highway Administration (FHWA), the US Army Corps of Engineers (USACE), and NCDOT for the tricolored bat (TCB) (*Perimyotis subflavus*) in eastern North Carolina. The PCO covers the entire NCDOT program in Divisions 1-8, including all NCDOT projects and activities. NCDOT, FHWA, and USACE have agreed to three conservation measures (listed in the PCO) which will avoid/minimize take to TCBs. These conservation measures apply to all counties in Divisions 1-8. The programmatic determination for TCB for the NCDOT program is May Affect, Likely to Adversely Affect. Once the TCB is officially listed, the PCO will become the programmatic biological opinion (PBO) by formal request from FHWA and USACE. The PBO will ensure compliance with Section 7 of the Endangered Species Act for approximately five years (effective through December 31, 2028) for all NCDOT projects with a federal nexus in Divisions 1-8, which includes Cumberland and Hoke Counties, where U-5798 is located.

Surveys for Michaux's sumac, pondberry and rough-leaved loosestrife were conducted on September 9, 2023 in areas of suitable habitat. No specimens were observed and the biological conclusions remain No Effect.

Cultural Resources

No changes have occurred since the previously issued permit related to Section 106 resources.

Regulatory Approvals

Section 404: We are hereby requesting the modification for the USACE Individual 404 Permit signed January 26, 2022 (SAW-2020-00079), for the above-described activities.

Section 401: We are hereby requesting a modification to the 401 Water Quality Certification from the NCDWR issued, September 22, 2021 (DWQ No. 20210307). We are providing \$767 to act as payment for processing the permit modification (see subject line).

Thank you for your assistance with this project. If you have any questions or need additional information, please contact Jason Dilday at jldilday@ncdot.gov or (919) 707-6111.

Sincerely,

Jason L Dilday

Jason Dilday

ECAP Eastern Region Supervisor

NCDOT Environmental Analysis Unit



North Carolina Department of Transportation

Highway Stormwater Program
STORMWATER MANAGEMENT PLAN

FOR NCDOT PROJECTS



(Version 3.00; Released August 2021)

WBS Element: 44369.2 TIP/Proj No: U-5798B County(ies): Cumberland Page 1 of 2

General Project Information

WBS Element:	44369.2	TIP Number:	U-5798B	Project Type:	Roadway Widening	Date:	10/23/2023
NCDOT Contact:	Ray Lovinggood, PE			Contractor / Designer:	Alex Vinson, PE		
Address:	1000 Birch Ridge Rd Raleigh, NC 27610			Address:	8521 Six Forks Rd. Suite 400 Raleigh, NC 27615		
Phone:	919-707-6736			Phone:	919-926-4109		
Email:				Email:	Alex.Vinson@rsandh.com		
City/Town:	Fayetteville			County(ies):	Cumberland		
River Basin(s):	Cape Fear			CAMA County?	No		
Wetlands within Project Limits?	Yes						

Project Description

Project Length (lin. miles or feet):	0.87	Surrounding Land Use:	Agriculture, Woods, Light Residential and Commercial					
	Proposed Project			Existing Site				
Project Built-Up Area (ac.)	14.3	ac.	6.1	ac.				
Typical Cross Section Description:	Four 12-foot lanes with curb and gutter and 4-foot bike lanes and 5-foot sidewalks on each side of the roadway.			Two 12 foot lanes with 1' paved shoulder section on both sides				
Annual Avg Daily Traffic (veh/hr/day):	Design/Future:	17500	Year:	2045	Existing:	16700	Year:	2017

General Project Narrative:
(Description of Minimization of Water Quality Impacts)
Section B of U-5798 proposes to widen SR 1102 (Gillis Hill Road) to four 12-foot lanes with a median. Rip rap will be used at proposed culvert extension sites to provide bank stabilization. Rip rap pads will be used at outlets to reduce velocities into wetlands. NCDOT will avoid and minimize impacts to streams and wetlands to the greatest extent practicable during desing and constrution.



North Carolina Department of Transportation

Highway Stormwater Program
STORMWATER MANAGEMENT PLAN

FOR NCDOT PROJECTS



(Version 3.00; Released August 2021)

WBS Element: 44369.2 TIP/Proj No.: U-5798B County(ies): Cumberland Page 2 of 2

General Project Information

Waterbody Information

Surface Water Body (1):		Stewarts Creek		NCDWR Stream Index No.:		18-31-21	
NCDWR Surface Water Classification for Water Body		Primary Classification:		Class C			
		Supplemental Classification:					
Other Stream Classification:		None					
Impairments:		None					
Aquatic T&E Species?		Yes		Comments: American Alligator (Not Required), Cape Fear Shiner (Unresolved), Michaux's Sumac (No Effect), Pondberry (No Effect), Red-cockaded Woodpecker (Unresolved), Rough-leaved Loosestrife (No Effect), Saint Francis' Satyr Butterfly (No Effect), Northern long-eared bat (May Affect, Likely to Adversely Affect)			
NRTR Stream ID:		Stewarts Creek		Buffer Rules in Effect:		N/A	
Project Includes Bridge Spanning Water Body?		No		Deck Drains Discharge Over Buffer?		No	
Deck Drains Discharge Over Water Body?		N/A		(If yes, provide justification in the General Project Narrative)		Dissipator Pads Provided in Buffer?	
(If yes, provide justification in the General Project Narrative)						(If yes, describe in the General Project Narrative; if no, justify in the General Project Narrative)	
Surface Water Body (2):		Unnamed tributary to Stewarts Creek		NCDWR Stream Index No.:		18-31-21	
NCDWR Surface Water Classification for Water Body		Primary Classification:		Class C			
		Supplemental Classification:					
Other Stream Classification:		None					
Impairments:		None					
Aquatic T&E Species?		Yes		Comments: American Alligator (Not Required), Cape Fear Shiner (Unresolved), Michaux's Sumac (No Effect), Pondberry (No Effect), Red-cockaded Woodpecker (Unresolved), Rough-leaved Loosestrife (No Effect), Saint Francis' Satyr Butterfly (No Effect), Northern long-eared bat (May Affect, Likely to Adversely Affect)			
NRTR Stream ID:		Stewarts Creek		Buffer Rules in Effect:		N/A	
Project Includes Bridge Spanning Water Body?		No		Deck Drains Discharge Over Buffer?		No	
Deck Drains Discharge Over Water Body?		N/A		(If yes, provide justification in the General Project Narrative)		Dissipator Pads Provided in Buffer?	
(If yes, provide justification in the General Project Narrative)						(If yes, describe in the General Project Narrative; if no, justify in the General Project Narrative)	
Surface Water Body (3):				NCDWR Stream Index No.:			
NCDWR Surface Water Classification for Water Body		Primary Classification:					
		Supplemental Classification:					
Other Stream Classification:							
Impairments:							
Aquatic T&E Species?				Comments:			
NRTR Stream ID:				Buffer Rules in Effect:			
Project Includes Bridge Spanning Water Body?				Deck Drains Discharge Over Buffer?			
Deck Drains Discharge Over Water Body?				(If yes, provide justification in the General Project Narrative)		Dissipator Pads Provided in Buffer?	
(If yes, provide justification in the General Project Narrative)						(If yes, describe in the General Project Narrative; if no, justify in the General Project Narrative)	

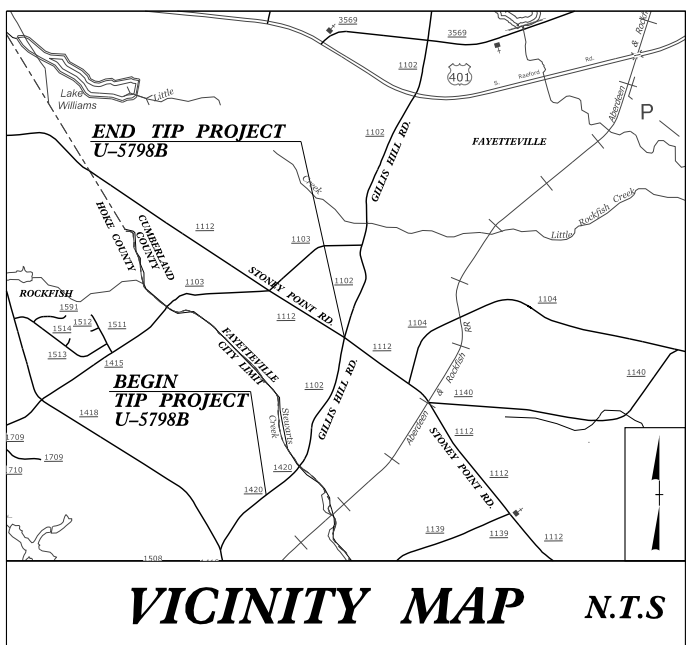
TIP PROJECT: U-5798B

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

HOKE AND CUMBERLAND COUNTIES

PERMIT DRAWING SHEET 1 OF 8

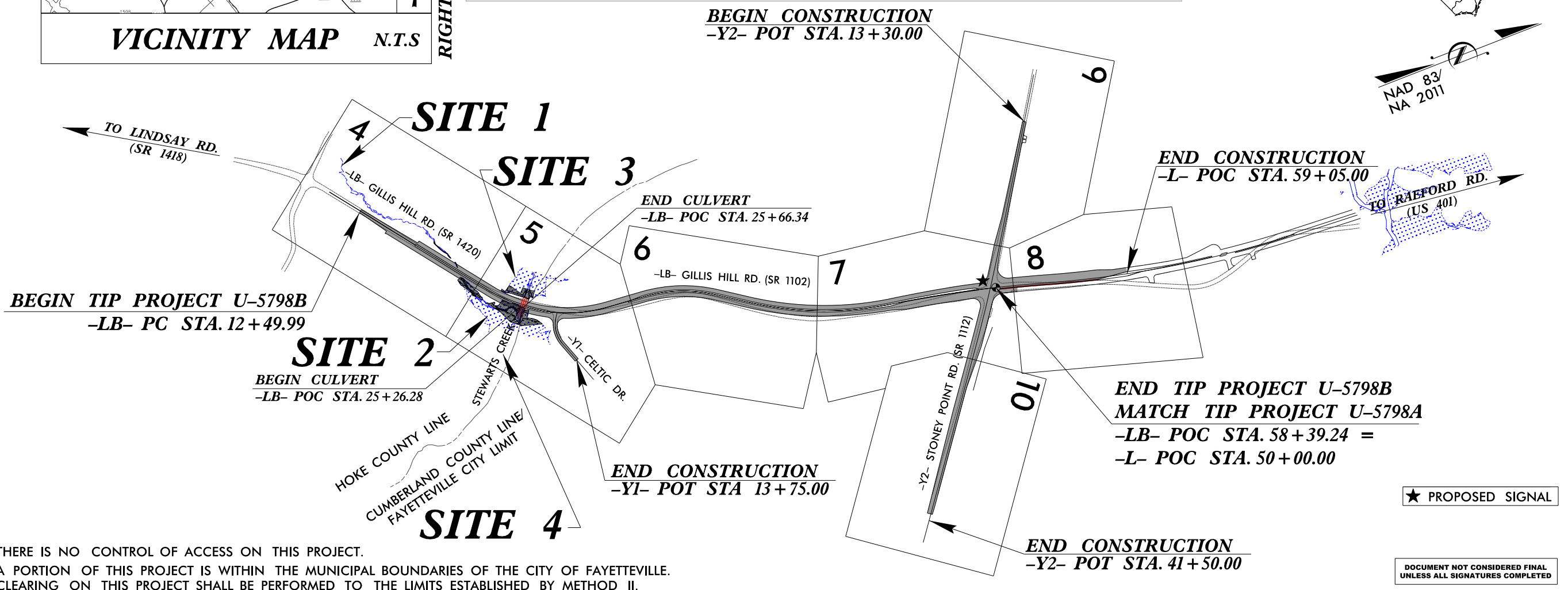
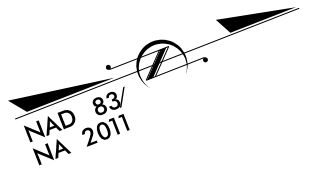
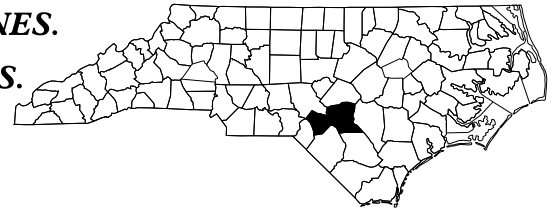
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-5798B	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
44369.1.3	N/A	PE	
44369.2.3	N/A	ROW	
44369.2.4	N/A	UTL.	



RIGHT OF WAY PLAN SET

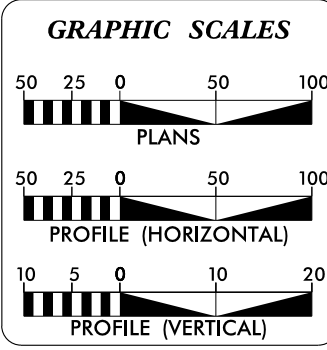
LOCATION: SR 1102 (GILLIS HILL ROAD) FROM SOUTH OF CELTIC DRIVE TO NORTH OF SR 1112 (STONEY POINT ROAD). WIDEN TO MULTI-LANES.
TYPE OF WORK: PAVING, GRADING, DRAINAGE, CULVERT, WALLS, AND SIGNALS.

WETLAND AND SURFACE WATER IMPACTS PERMIT



THERE IS NO CONTROL OF ACCESS ON THIS PROJECT.
A PORTION OF THIS PROJECT IS WITHIN THE MUNICIPAL BOUNDARIES OF THE CITY OF FAYETTEVILLE.
CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD II.

CONTRACT:



DESIGN DATA

ADT 2025 =	10,800
ADT 2045 =	17,500
K =	7 %
D =	55 %
T =	3 % *
V =	50 MPH
*(TTST=1 + DUAL=2)	
FUNC CLASS =	
MINOR COLLECTOR	
REGIONAL TIER	

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT U-5798B =	0.861 MILES
LENGTH CULVERT TIP PROJECT U-5798B =	0.008 MILES
TOTAL LENGTH TIP PROJECT U-5798B =	0.869 MILES

PREPARED IN THE OFFICE OF:

RS&H
8521 SIX FORKS ROAD, SUITE 400
RALEIGH, NC 27615
NC FIRM LICENSE No: F-0493

FOR THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
JUNE 13, 2023

LETTING DATE:
FEBRUARY 18, 2025

SEAN KORTOVICH, PE PROJECT ENGINEER
DANA M. PACZEK, PE PROJECT DESIGN ENGINEER
KHALED A. ALAKHDAR NCDOT CONTACT

HYDRAULICS ENGINEER

SIGNATURE: _____ P.E.

ROADWAY DESIGN ENGINEER

SIGNATURE: _____ P.E.



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8/17/99

PROJECT REFERENCE NO. <i>U-5798B</i>		SHEET NO. 4
RW SHEET NO.		
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		

RS&H 8521 SIX FORKS ROAD, SUITE 400
RALEIGH, NC 27615
NC FIRM LICENSE No: F-0493

BRETT MATTHEW ANDERSON
DB 1275 PG 43
PB 367 PG 2

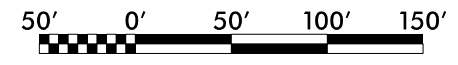
DIANE HARRELL TRUSTEE
DB 1352 PG 740

GILLIS DEVELOPMENT INC.
DB 322 PG 549

JOSEPH H. AND BETTY H. GILLIS
DB 799 PG 917
PB 367 PG 2

SURFACE WATER IMPACTS

SURFACE WATER IMPACTS



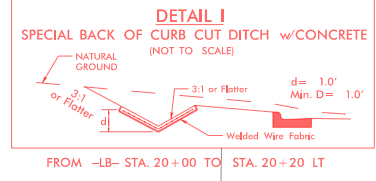
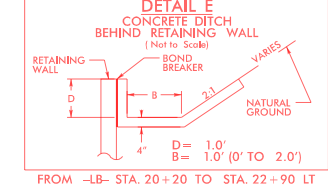
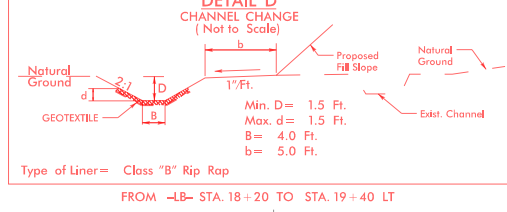
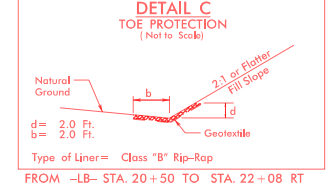
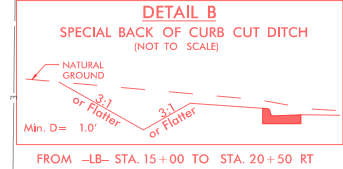
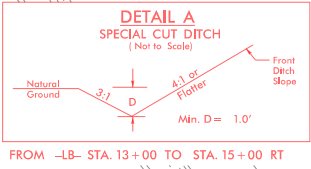
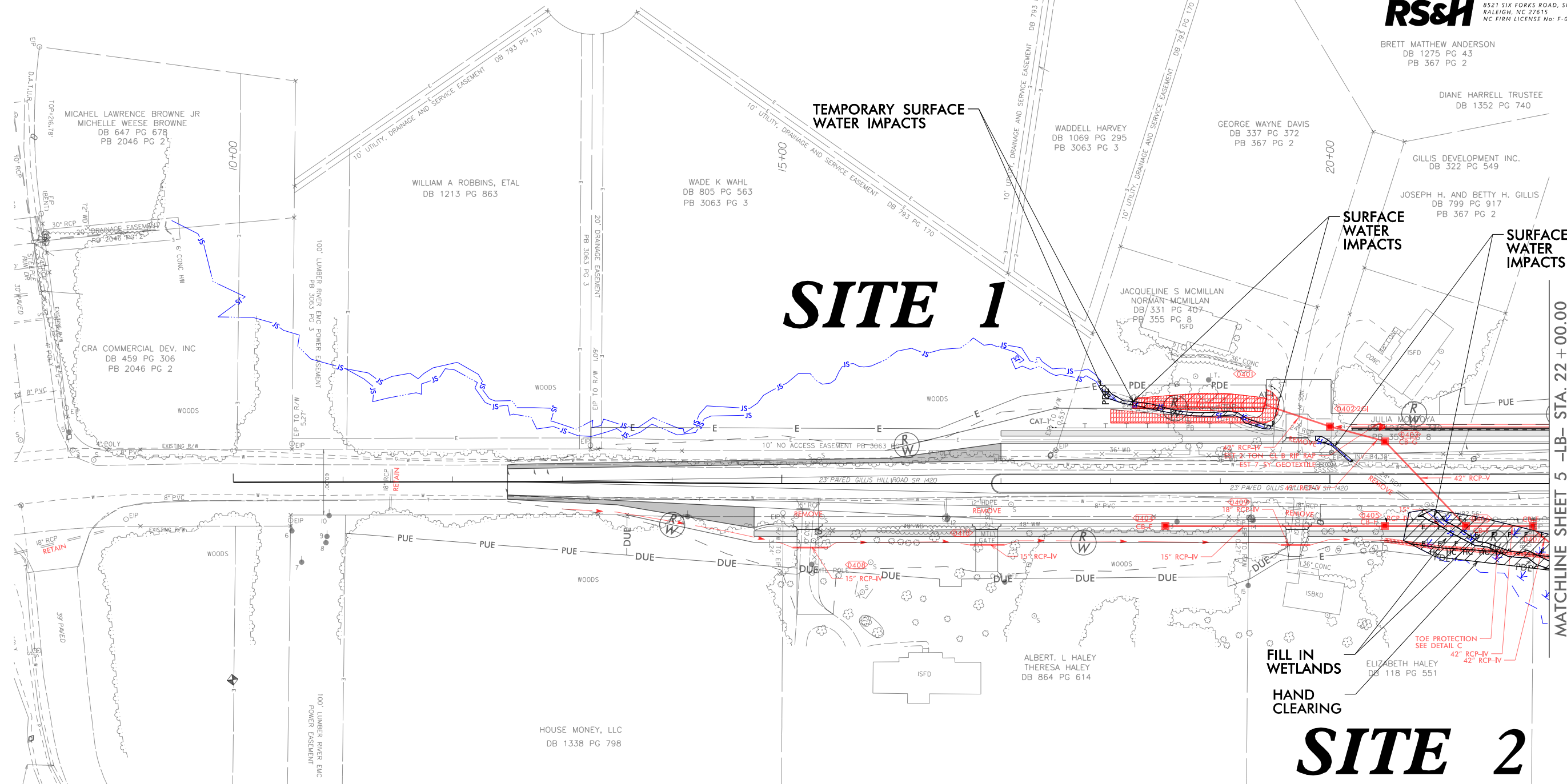
- FILL IN WETLAND
- HAND CLEARING (NON-GRUBBING)
- SURFACE WATER IMPACTS
- TEMPORARY SURFACE WATER IMPACTS

**PERMIT DRAWING
SHEET 2 OF 8**



-LB- CURVE DATA

PI Sta 13+21.11	PI Sta 14+55.41
$\Delta = 0^\circ 48' 53.5''$ (RT.)	$\Delta = 0^\circ 43' 26.9''$ (LT.)
$D = 0^\circ 34' 22.6''$	$D = 0^\circ 34' 22.6''$
$L = 142.22'$	$L = 126.38'$
$T = 71.11'$	$T = 63.19'$
$R = 10,000.00'$	$R = 10,000.00'$
SE = NC	SE = NC



DONALD L. THIEL
JUDITH M. THIEL

REVISIONS

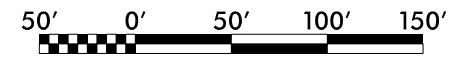
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MATCHLINE SHEET 5 -LB- STA. 22+00.00

8/17/99
 REVISIONS
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 IJSC

-LB- CURVE DATA

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$D = 0' 34' 22.6"$	$D = 0' 34' 22.6"$
$L = 142.22'$	$L = 126.38'$
$T = 71.11'$	$T = 63.19'$
$R = 10,000.00'$	$R = 10,000.00'$
SE = NC	SE = NC



- FILL IN WETLAND
- HAND CLEARING (NON-GRUBBING)
- SURFACE WATER IMPACTS
- TEMPORARY SURFACE WATER IMPACTS

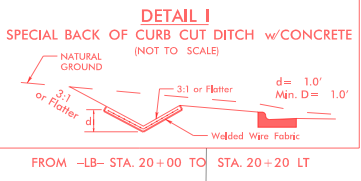
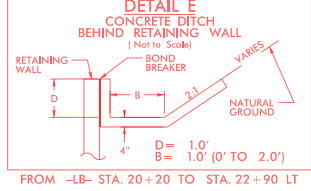
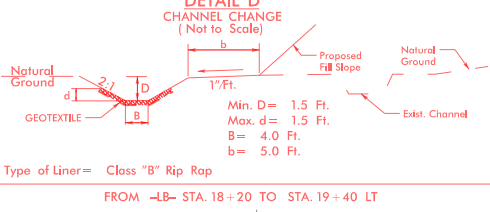
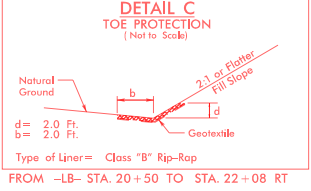
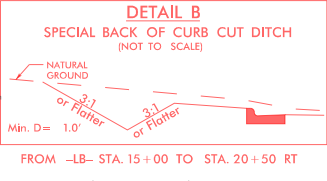
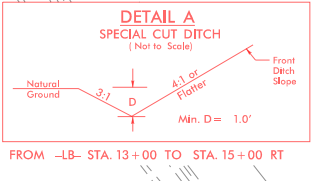
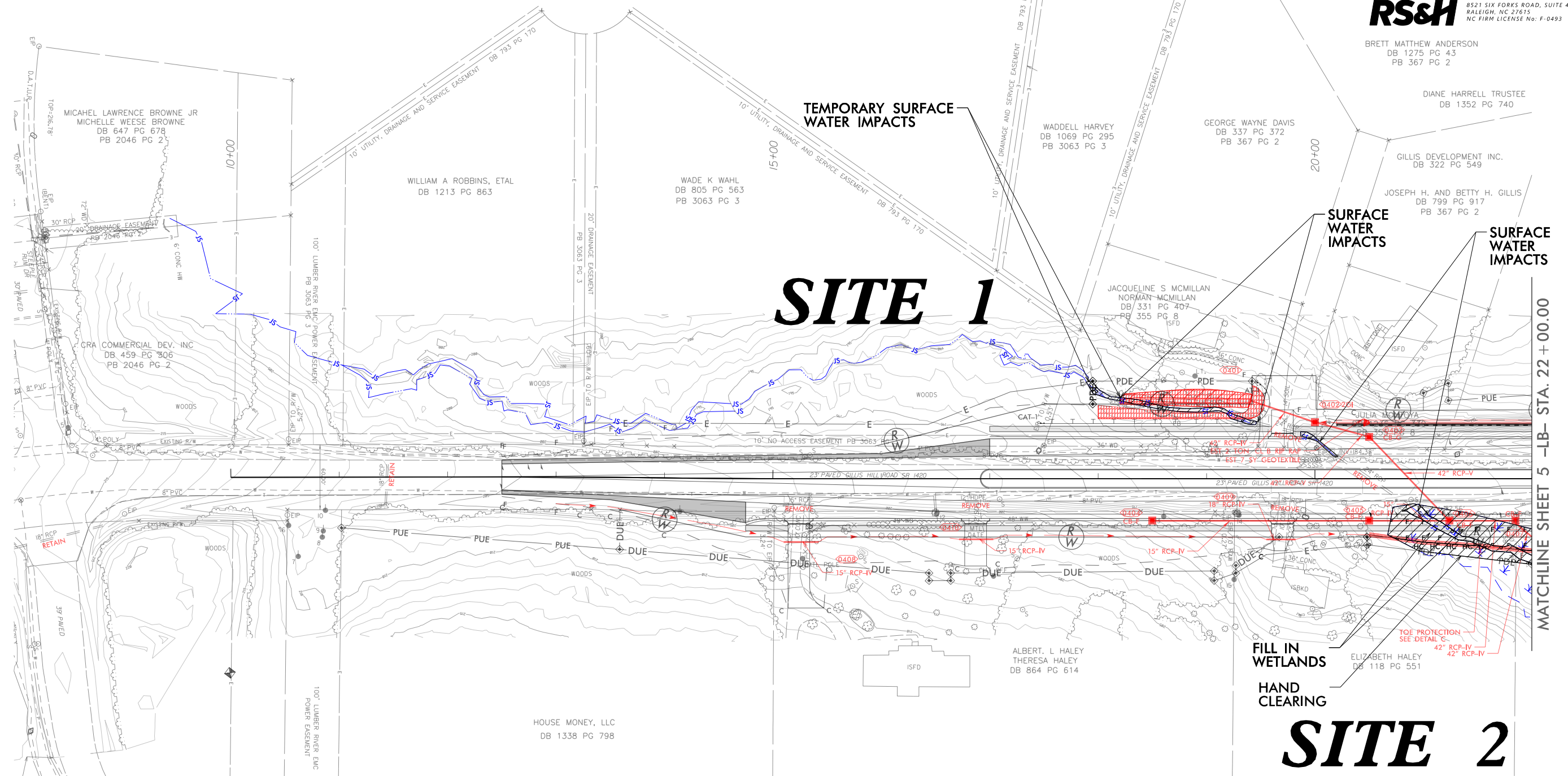
**PERMIT DRAWING
SHEET 3 OF 8**



PROJECT REFERENCE NO. <i>U-5798B</i>	SHEET NO. 4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

RS&H 8521 SIX FORKS ROAD, SUITE 400
 RALEIGH, NC 27615
 NC FIRM LICENSE No: F-0493
 BRETT MATTHEW ANDERSON
 DB 1275 PG 43
 PB 367 PG 2

DIANE HARRELL TRUSTEE
 DB 1352 PG 740



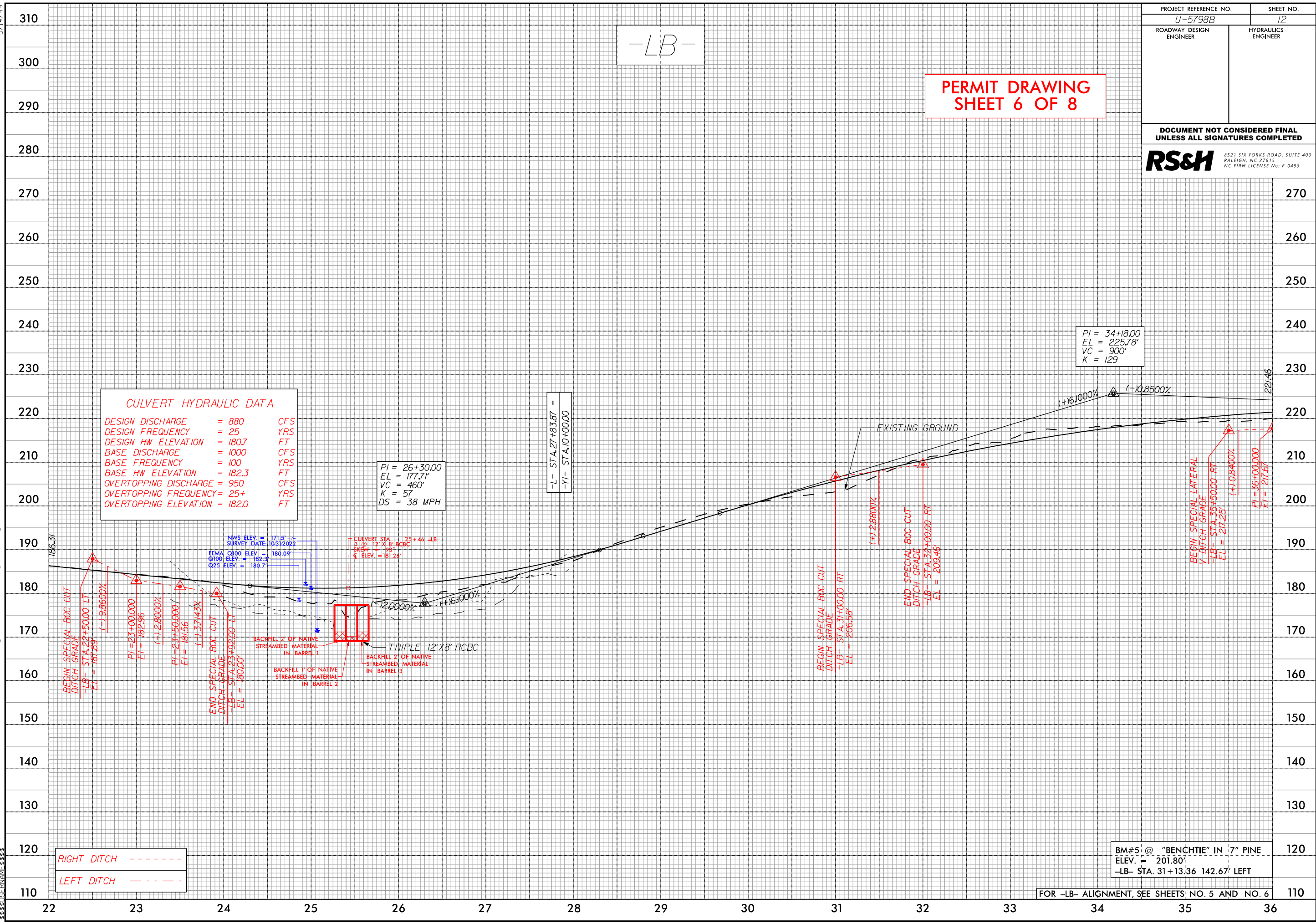
DONALD L. THIEL
 JUDITH M THIEL

MATCHLINE SHEET 5 -LB- STA. 22+00.00

5/14/99
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**PERMIT DRAWING
 SHEET 6 OF 8**

-LB-



CULVERT HYDRAULIC DATA

DESIGN DISCHARGE	= 880	CFS
DESIGN FREQUENCY	= 25	YRS
DESIGN HW ELEVATION	= 180.7	FT
BASE DISCHARGE	= 1000	CFS
BASE FREQUENCY	= 100	YRS
BASE HW ELEVATION	= 182.3	FT
OVERTOPPING DISCHARGE	= 950	CFS
OVERTOPPING FREQUENCY	= 25+	YRS
OVERTOPPING ELEVATION	= 182.0	FT

PI = 26+30.00
 EL = 177.71'
 VC = 460'
 K = 57
 DS = 38 MPH

-L- STA. 27+83.87 =
 -Y- STA. 10+00.00

PI = 34+18.00
 EL = 225.78'
 VC = 900'
 K = 129

RIGHT DITCH - - - - -
 LEFT DITCH - - - - -

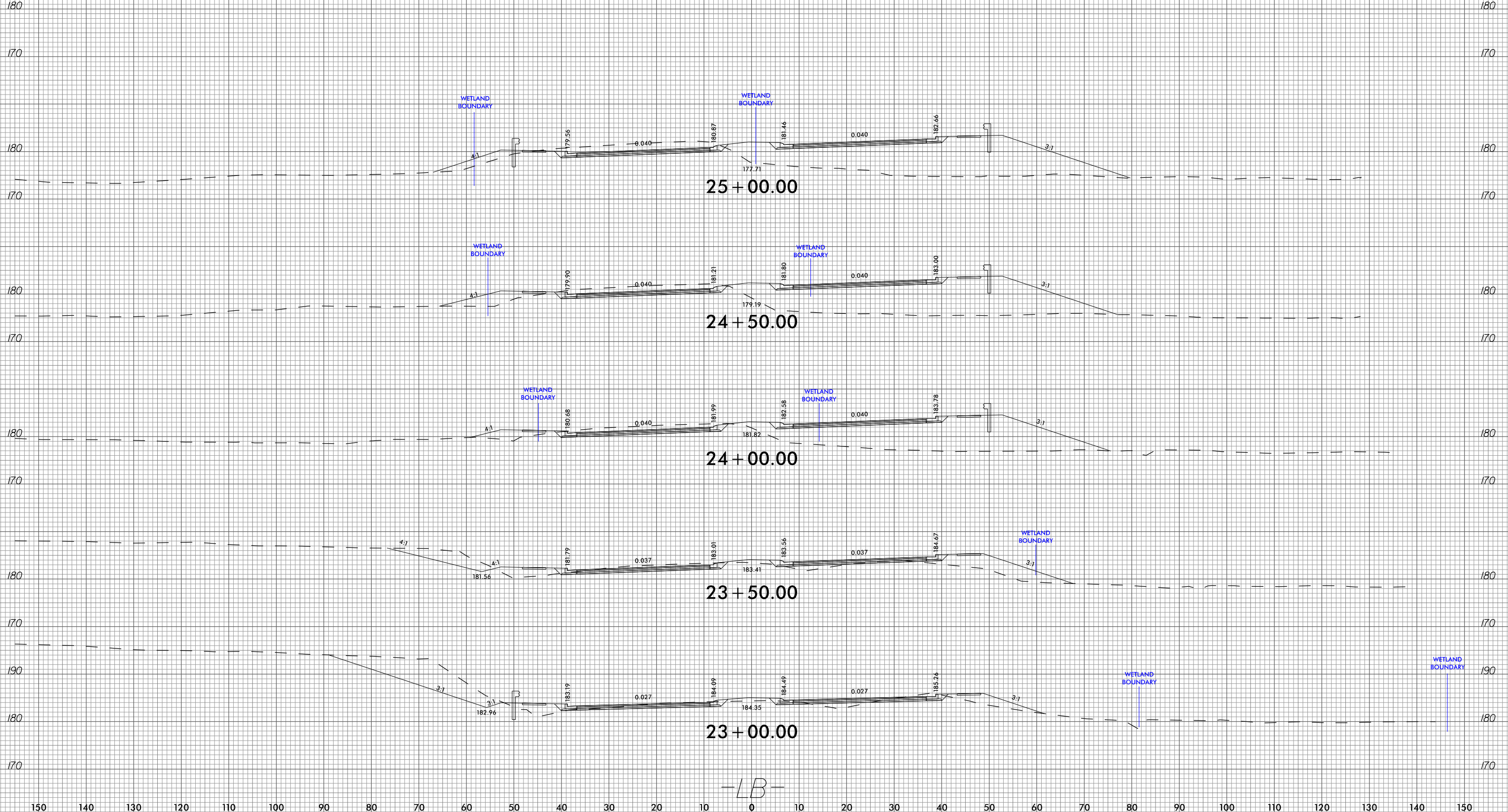
BM#5 @ "BENCHTIE" IN 7" PINE
 ELEV. = 201.80'
 -LB- STA. 31+13.36 142.67' LEFT

FOR -LB- ALIGNMENT, SEE SHEETS NO. 5 AND NO. 6

6/23/16

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

PERMIT DRAWING SHEET 7 OF 8



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-LB-



NORTH CAROLINA
Environmental Quality

June 4, 2024

ROY COOPER
Governor
ELIZABETH S. BISER
Secretary
MARC RECKTENWALD
Director

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

Dear Mr. Lancaster:

Subject: Mitigation Acceptance Letter:

U-5798B, Widening of SR 1102 (Gillis Hill Road) from SR 1418 (Lindsay Road) to North of SR 1112 (Stoney Point Road), Cumberland County

The purpose of this letter is to notify you that the Division of Mitigation Services (DMS) will provide the compensatory stream and wetland mitigation for the subject project. Based on the updated information supplied by you on June 4, 2024, the impacts are located in CU 03030004 of the Cape Fear River basin in the Southern Inner Coastal Plain (SICP) Eco-Region, and are as follows:

Cape Fear 03030004 SICP	Stream (Feet)			Wetlands (Acres)			Buffer (Sq. Ft.)	
	Cold	Cool	Warm	Riparian	Non-Riparian	Coastal Marsh	Zone 1	Zone 2
Impacts	0	0	596.000	0.600	0	0	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.

This mitigation acceptance letter replaces the mitigation acceptance letters issued on July 29, 2021, and April 25, 2024. The impacts and associated mitigation needs were under projected by the NCDOT in the 2021 impact data. DMS will commit to implement sufficient compensatory mitigation credits to offset the impacts associated with this project as determined by the regulatory agencies using the delivery timeline listed in Section F.3.c.iii of the In-Lieu Fee Instrument dated July 28, 2010. If the above referenced impact amounts are revised, then this mitigation acceptance letter will no longer be valid and a new mitigation acceptance letter will be required from DMS.

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

Sincerely,

Elizabeth Harmon
DMS NCDOT ILF Coordinator

cc: Mr. Monte Matthews, USACE
Ms. Amy Chapman, NCDWR
File: U-5798B Revised2



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