



Pre-Construction Notification (PCN) Form

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

April 13, 2022 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/0/edoc/624704/PCN%20Help%20File%202018-1-30.pdf>

A. Processing Information

Pre-Filing Meeting Date Request was submitted on: *

3/25/2021

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

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

Robeson

Is this a NCDMS Project? *

☐ Yes ☒ No

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

Is this project a public transportation project? *

☒ Yes ☐ No

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

Is this a NCDOT Project? *

☒ Yes ☐ No

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

B-5985

WBS # *

47749.1.1

(for NCDOT use only)

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

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

Has this PCN previously been submitted? *

☐ Yes
☒ No

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

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

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

☒ Yes ☐ No

Regional General Permit (RGP) Number:

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

RGP Numbers (for multiple RGPs):

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

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

check all that apply

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

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

*

For the record only for DWR 401 Certification:

☐ Yes ☒ No

For the record only for Corps Permit:

☐ Yes ☒ No

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

☐ Yes ☒ No

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

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

☐ Yes ☒ No

Acceptance Letter Attachment

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

FILE TYPE MUST BE PDF

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

☐ Yes ☒ No

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

☐ Yes ☒ No

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

B. Applicant Information

1a. Who is the Primary Contact? *

NCDOT

1b. Primary Contact Email: *

jlilday@ncdot.gov

1c. Primary Contact Phone: *

(xxx)xxx-xxxx

(919)707-6111

1d. Who is applying for the permit? *

☒ Owner

(Check all that apply)

☐ Applicant (other than owner)

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

☐ Yes ☒ No

2. Owner Information

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

NCDOT

2b. Deed book and page no.:

2c. Contact Person:

(for Corporations)

2d. Address *

Street Address

1000 Birch Ridge Drive

Address Line 2

City

Raleigh

Postal / Zip Code

27610

State / Province / Region

NC

Country

USA

2e. Telephone Number: *

(xxx)xxx-xxxx

(919)707-6000

2f. Fax Number:

(xxx)xxx-xxxx

2g. Email Address: *

pharris@ncdot.gov

C. Project Information and Prior Project History

1. Project Information

1a. Name of project: *

Replace Bridge 125 on NC41/72 and Bridge 175 on SR1600 over Lumber River (B-5985-Central)

1b. Subdivision name:

(if appropriate)

1c. Nearest municipality / town: *

Lumberton

2. Project Identification

2a. Property Identification Number:

(tax PIN or parcel ID)

2b. Property size:

(in acres)

2c. Project Address

Street Address

Address Line 2

City

State / Province / Region

Postal / Zip Code

Country

2d. Site coordinates in decimal degrees

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

Latitude: *

34.619241

ex: 34.208504

Longitude: *

-79.010685

-77.796371

3. Surface Waters

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

Lumber River

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

C; Sw

[Surface Water Lookup](#)

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

Lumber

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

030402031003

[River Basin Lookup](#)

4. Project Description and History

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

Land use in the project vicinity consists primarily of commercial development and community park along Lumber River floodplain. The Lumber River is considered "Wild and Scenic" in this location.

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

☐ Yes ☒ No ☐ Unknown

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

1.4

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

(intermittent and perennial)

1,640

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

The purpose of this project is to replace two structurally deficient bridges.

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

This project involves replacing the 285-foot, 6 span Bridge 125 with a 295-foot, 3 span structure and the 268-foot, 6 span Bridge 175 with a 285-foot, 3 span structure on the existing alignment using an off-site detour. Standard road building equipment, such as trucks, dozers and cranes will be used.

5. Jurisdictional Determinations

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

☒ Yes ☐ No ☐ Unknown

Comments:

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

☒ Preliminary ☐ Approved ☐ Not Verified ☐ Unknown ☐ N/A

Corps AID Number:

Example: SAW-2017-99999

SAW-2021-00431

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

Name (if known): Rob Crowther

Agency/Consultant Company: Carolina Ecosystems

Other:

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

PJD received dated April 1, 2021

6. Future Project Plans

6a. Is this a phased project? *

☐ Yes ☒ No

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

D. Proposed Impacts Inventory

1. Impacts Summary

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

☒ Wetlands ☐ Streams-tributaries ☐ Buffers
☐ Open Waters ☐ Pond Construction

2. Wetland Impacts

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

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

2a. Site # * (?)	2a1 Reason * (?)	2b. Impact type * (?)	2c. Type of W. *	2d. W. name *	2e. Forested *	2f. Type of Jurisdiction * (?)	2g. Impact area *
B125-1	stormwater discharge	P	Bottomland Hardwood Forest	WA	Yes	Both	0.003 (acres)
B125-3	pipe installation	P	Non-Tidal Freshwater Marsh	WB/WJ	No	Both	0.002 (acres)
B175-6	pipe installation	P	Non-Tidal Freshwater Marsh	WB	No	Both	0.003 (acres)

2g. Total Temporary Wetland Impact

0.000

2g. Total Permanent Wetland Impact

0.008

2g. Total Wetland Impact

0.008

2i. Comments:

An additional 0.16 acre of hand clearing in riparian wetlands due to project construction.
Surface Water impacts due to temporary workbridges:
Interior bent for Bridge #125 =392 sqft. Temporary workbridge =4,225 sqft (Site 4)
Interior bent for Bridge #175 =348 sqft. Temporary workbridge =4,051 sqft (Site 7)

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: *

The bridges will be replaced on their existing alignment. The new bridges will have less bents in the water than the existing structures. See stormwater management plan for additional minimization measures.

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

An off-site detour will be used during construction.

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

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

☐ Yes ☒ No

2b. If this project DOES NOT require Compensatory Mitigation, explain why:

Impacts on project are considered minimal and not a "Loss of Waters of the U.S.".

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

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

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

1. Diffuse Flow Plan

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

☐ Yes ☒ No

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

If no, explain why:

There are no riparian buffers for the Lumber River in the project area.

2. Stormwater Management Plan

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

☒ Yes ☐ No

Comments:

G. Supplementary Information

1. Environmental Documentation

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

☒ Yes ☐ No

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

☒ Yes ☐ No

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

☐ Yes ☒ No

Comments: *

Type I/II Categorical Exclusions do not require approval from the State Clearing House.

2. Violations (DWR Requirement)

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

☐ Yes ☒ No

3. Cumulative Impacts (DWR Requirement)

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

☐ Yes ☒ No

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

Due to minimal transportation impact resulting from this bridge replacement, this project will neither influence nearby land uses nor stimulate growth. Therefore, a detailed indirect or cumulative effects study will not be necessary.

4. Sewage Disposal (DWR Requirement)

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

☐ Yes ☐ No ☒ N/A

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

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

☒ Yes ☐ No

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

☒ Yes ☐ No

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

Raleigh

5d. Is another Federal agency involved? *

☐ Yes ☒ No ☐ Unknown

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

☒ Yes ☐ No

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

N.C. Natural Heritage Program database; USFWS-IPAC query of project area; biological surveys for protected species, which include American alligator, red-cockaded woodpecker, wood stork, and Michaux's sumac. Surveys are not required for American alligator due to its federal listing a Threatened Due to Similarity of Appearance. There is no habitat for red-cockaded woodpecker or wood stork. Habitat for Michaux's sumac occurs within the study area. An updated survey for the species was conducted on 06/29/2022 No specimens were observed within the study area. The biological conclusion for all species is No Effect.

6. Essential Fish Habitat (Corps Requirement)

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

☐ Yes ☒ No

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

NMFS county index

7. Historic or Prehistoric Cultural Resources (Corps Requirement)

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

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

☒ Yes ☐ No

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

An Effects meeting was held on 11/18/21 with the State Historic Preservation Office (SHPO) and the U. S. Army Corps of Engineers in attendance. It was determined that the project had a finding of No Adverse Effect and all parties were in concurrence. Commitments have been included in the Project Commitments sheet to comply with this No Adverse Effect determination. See the CE for additional information.

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:

NC DOT Hydraulics Unit coordination with FEMA

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

FEMA maps

Miscellaneous

Comments

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

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

B-5985 General Robeson July 12 2022.pdf

6.26MB

[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: *



Mack Christopher Rivenbark, III

Signature *

A handwritten signature in black ink that reads "Mack C. Rivenbark, III". The signature is written in a cursive style and is contained within a light gray rectangular box.

Date

7/12/2022

		North Carolina Department of Transportation Highway Stormwater Program STORMWATER MANAGEMENT PLAN FOR NCDOT PROJECTS					
(Version 2.08; Released April 2018)							
WBS Element: 47749.1.1		TIP No.: B-5985		County(ies): Robeson		Page 1 of 1	
General Project Information							
WBS Element:		47749.1.1		TIP Number: B-5985		Project Type: Bridge Replacement	
NCDOT Contact:		Gregory W. Price		Contractor / Designer:		Wetherill Engineering, Inc. / Harminder Singh, PE	
Address:		PO Box 1150 431 Transportation Drive Fayetteville, NC		Address:		1223 Jones Franklin Rd. Raleigh, NC 27606	
Phone:		910-364-0835		Phone:		919-851-8077	
Email:		gwprice2@ncdot.gov		Email:		hsingh@wetherilleng.com	
City/Town:		N/A		County(ies):		Robeson	
River Basin(s):		Lumber		CAMA County?		No	
Wetlands within Project Limits?		Yes					
Project Description							
Project Length (lin. miles or feet):		0.33		Surrounding Land Use:		Residential, Wooded	
		Proposed Project		Existing Site			
Project Built-Up Area (ac.)		2.1 ac.		1.8 ac.			
Typical Cross Section Description:		The proposed section consists of three 12' width lanes. Paved shoulders on bridge approach are 10.5' on SR 1600 and 7.5' on NC 41.		For SR 1600, existing road consists of three 11-12' lanes with sidewalk on both sides. For NC 41, existing road consists of two 12' lanes with sidewalk on both sides.			
Annual Avg Daily Traffic (veh/hr/day):		Design/Future: 17000 (125) / 14200 (175) Year: 2042		Existing: 15200 (125) / 10500 (175) Year: 2022			
General Project Narrative: (Description of Minimization of Water Quality Impacts)		The project will replace bridges 770125 and 770175 over the Lumber River. Bridge #125 is 2@110', 1@75' 45" Girder (FIB) with 4' Caps. Bridge #175 is 3@95' 45" Girder (FIB) with 4' Caps. No deck drains will be used on either bridge. On SR1600 and NC41, the existing 72" CMP will be replaced with 72" RCP. All outlets, which will outlet into wetlands, have velocities less than 2.0 fps. Temporary work bridges may block no more than 50% of the stream flow at a give time. Only one temporary bridge may be in place for a given bridge at any one time.					
Waterbody Information							
Surface Water Body (1):		Lumber River		NCDWR Stream Index No.:		14-(13)	
NCDWR Surface Water Classification for Water Body		Primary Classification:		Class C			
		Supplemental Classification:		Swamp Waters (Sw)			
Other Stream Classification:		NC Natural and Scenic Rivers					
Impairments:		None					
Aquatic T&E Species?		No		Comments:			
NRTR Stream ID:						Buffer Rules in Effect:	
Project Includes Bridge Spanning Water Body?		Yes		Deck Drains Discharge Over Buffer?		No	
Deck Drains Discharge Over Water Body?		No		(If yes, provide justification in the General Project Narrative)		(If yes, describe in the General Project Narrative; if no, justify in the General Project Narrative)	
(If yes, provide justification in the General Project Narrative)							

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

ROBESON COUNTY

LOCATION: BRIDGE NO. 770125 OVER LUMBER RIVER ON NC 41/72
& BRIDGE NO. 770175 OVER LUMBER RIVER ON SR 1600

TYPE OF WORK: GRADING, DRAINAGE, SIGNALS, PAVING & STRUCTURES
WETLAND AND SURFACE WATER IMPACTS PERMIT

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-5985	1	
STATE PROJ. NO.	P.A. PROJ. NO.	DESCRIPTION	
47749.1.1	0041115	PE	
47749.2.1	0041115	ROW	
47749.2.2	0041115	UTILITY	



TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

BRIDGE #770125
& BRIDGE # 770175

ROW PLANS

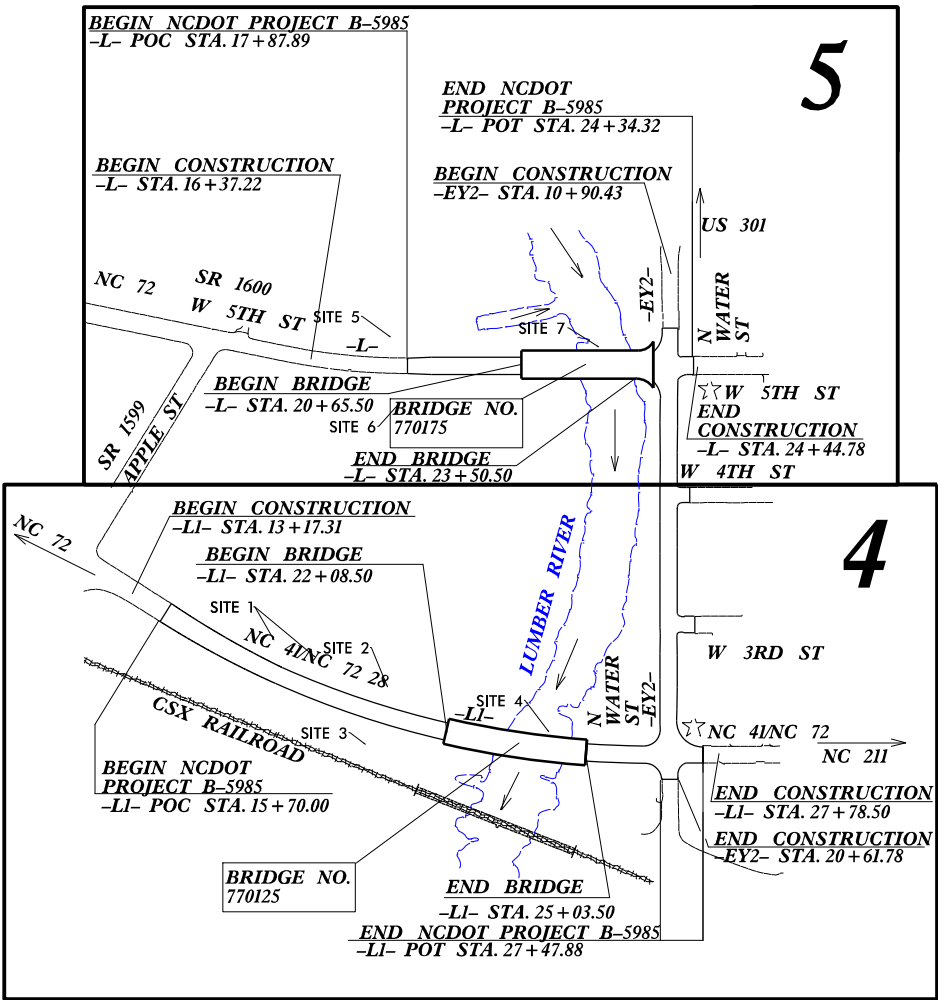
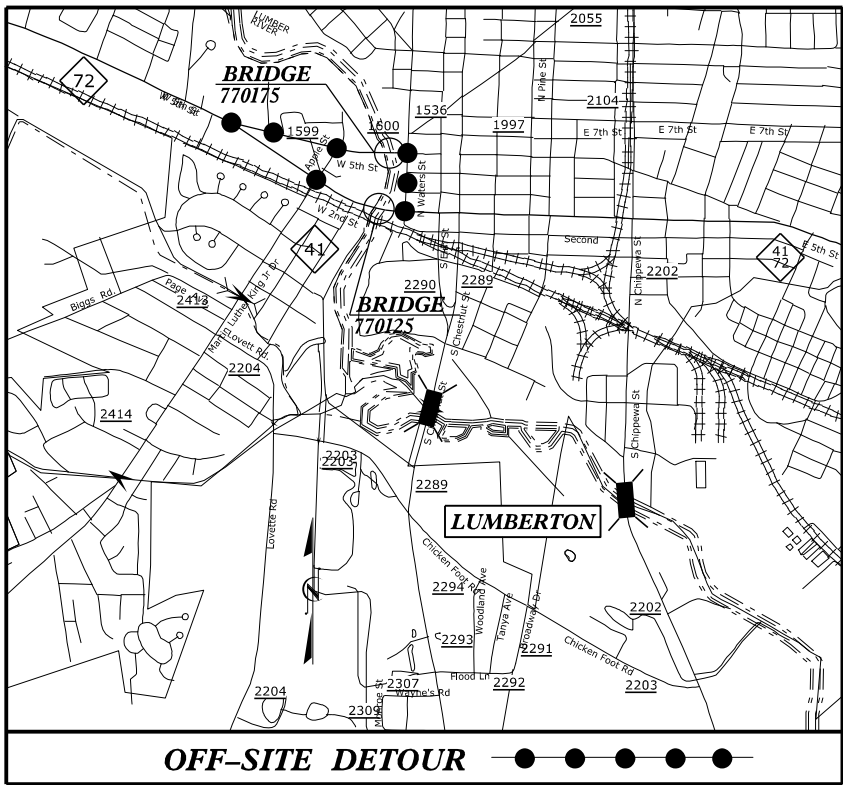
PERMIT DRAWING
SHEET 1 OF 11

SY - EXISTING SIGNAL

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

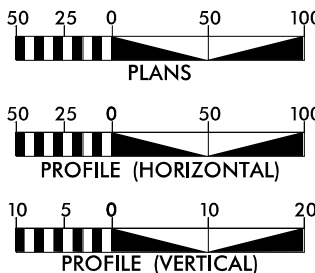
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

See Sheet 1A For Index of Sheets
See Sheet 1B For Conventional Symbols



CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD II.
THIS PROJECT IS WITHIN THE MUNICIPAL BOUNDARY OF LUMBERTON.

GRAPHIC SCALES



DESIGN DATA

BRIDGE # 770125	BRIDGE # 770175
ADT 2022 = 15,200	ADT 2022 = 10,500
ADT 2042 = 17,000	ADT 2042 = 14,200
K = 9 %	K = 11 %
D = 55 %	D = 55 %
T = 6 % *	T = 3 % *
V = 40 MPH	V = 40 MPH
* (TTST = 2% + DUAL = 4%)	
FUNC CLASS = PRINCIPAL ARTERIAL REGIONAL TIER	FUNC CLASS = MAJOR COLLECTOR SUB-REGIONAL TIER

PROJECT LENGTH

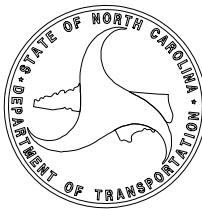
BRIDGE # 770125
LENGTH ROADWAY PROJECT B-5985 = 0.167 MILES
LENGTH STRUCTURE PROJECT B-5985 = 0.056 MILES
TOTAL LENGTH PROJECT B-5985 = 0.206 MILES
BRIDGE # 770175
LENGTH ROADWAY PROJECT B-5985 = 0.068 MILES
LENGTH STRUCTURE PROJECT B-5985 = 0.054 MILES
TOTAL LENGTH PROJECT B-5985 = 0.122 MILES
NCDOT CONTACT: DAVID STUTTS, PE PROJECT ENGINEER - PEF/PROGRAM MGT.

DIVISION OF HIGHWAYS STRUCTURES MANAGEMENT UNIT 1000 BIRCH RIDGE DRIVE RALEIGH NC, 27610	
2018 STANDARD SPECIFICATIONS	EDWARD G. WETHERILL, PE PROJECT ENGINEER
RIGHT OF WAY DATE: JANUARY 27, 2022	GREG S. PURVIS, PE PROJECT DESIGN ENGINEER
LETTING DATE: DECEMBER 20, 2022	

HYDRAULICS ENGINEER

SIGNATURE: _____
ROADWAY DESIGN ENGINEER


SIGNATURE: _____
P.E.



PROJECT: B-5985

CONTRACT:

P:\2018\SMU Bridge Replacement Program\B-5985\Hydraulics\Permits Environmental\b5985_rdy_PSH_4.dgn
USER: HSYNCH

PROJECT REFERENCE NO.	SHEET NO.
B-5985	4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
<div style="border: 1px solid black; padding: 10px; text-align: center;"> INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION </div>	
<p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p> <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="text-align: center;">  <p>WETHERILL ENGINEERING</p> </div> <div style="text-align: right;"> <p>1223 Jones Franklin Rd. Raleigh, N.C. 27606 License No. F-0377 Fax: 919 851 8077 Bus: 919 851 8107</p> </div> </div> <p>TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN</p>	

C&G
72'- STA. 19 + 39.53
HPB

HPB

LEE INVESTMENTS
OF
LUMBERTON, NC, LLC

HPB

ISKBUS

CONC CURB CONC CURB

END CONSTRUCTION
LI- STA. 27+78.50

REMOVE & RETAIN

PROPOSED DRIVEWAY AS NEEDED FOR PIPE INSTALLATION

NC 41°NE 72.35°E

BOTTOM OF BOX IN 28'

ISKBUS

YOLOR INSURANCE AGENCY, INC

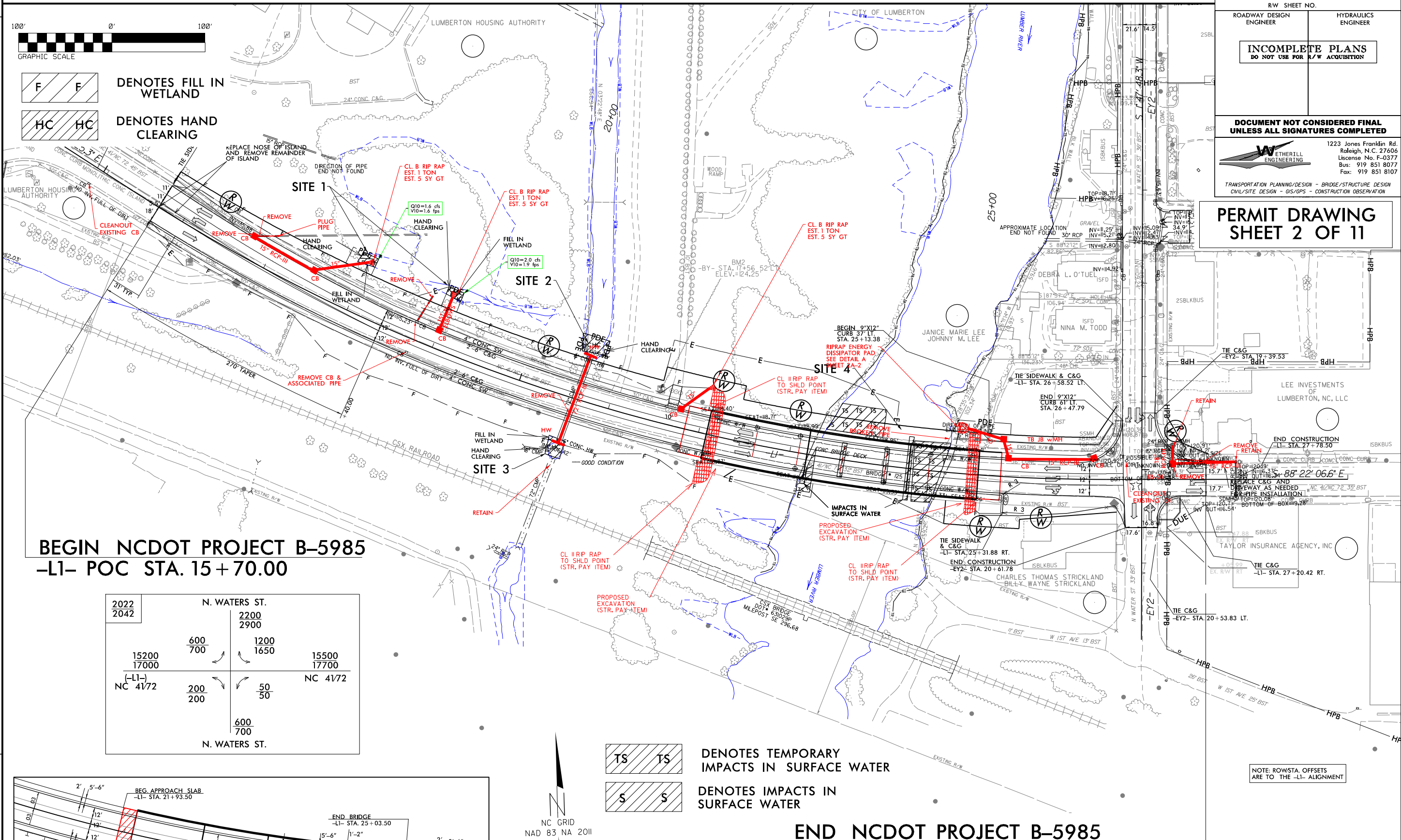
TIE C&G
-LI- STA. 27+20.42 RT.

HPB

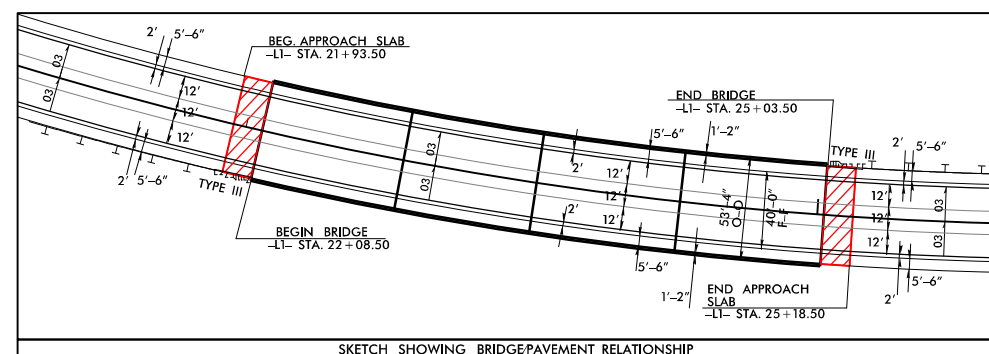
HPB

AVE 25' BST

SEE SHEET 6 FOR -L1- PROFILE
SEE SHEET 7 FOR -EY2- PROFILE
SEE SHEETS S-1 THRU S-??
FOR STRUCTURE PLANS



2022 2042	N. WATERS ST.		
	$\frac{600}{700}$	$\frac{1200}{1650}$	$\frac{15500}{17700}$
	$\frac{15200}{17000}$		
(-L1-)			NC 41/72
NC 41/72	$\frac{200}{200}$	$\frac{50}{50}$	
	$\frac{600}{700}$		
	N. WATERS ST.		




NC GRID
NAD 83 NA 2011

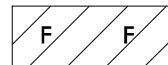
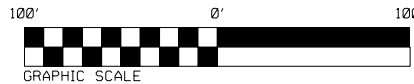
DENOTES IMPACTS IN
SURFACE WATER

END NCDOT PROJECT B-5985
-L1- POT STA. 27+47.88

-LI-
PI Sta 21+09.42
$\Delta = 32^{\circ} 49' 41.4" (LT)$
$D = 3^{\circ} 00' 00.0"$
$L = 1,094.27'$
$T = 562.61'$
$R = 1,909.86'$
$SE = .03$
$RO = SEE PLANS$
$DS = 40MPH$

PROJECT REFERENCE NO. B-5985		SHEET NO. 4	
RW SHEET NO.		HYDRAULICS ENGINEER	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION			
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
		1223 Jones Franklin Rd. Raleigh, N.C. 27605 License No. F-0377 Bus: 919 851 8077 Fax: 919 851 8107	
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION			

PERMIT DRAWING
SHEET 3 OF 11



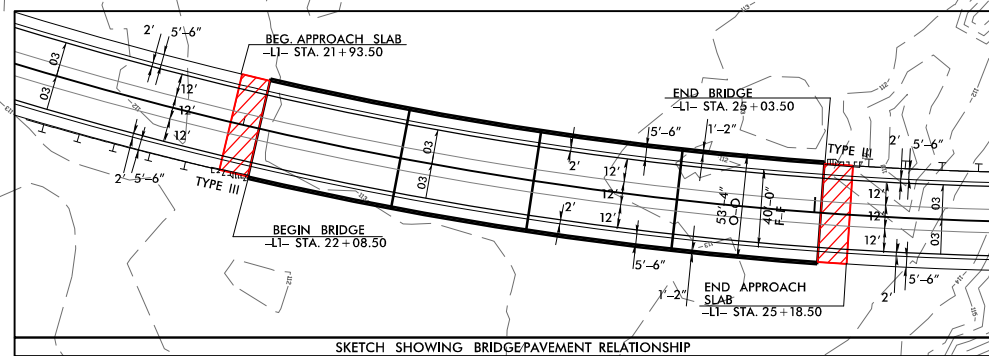
DENOTES FILL IN
WETLAND



DENOTES HAND
CLEARING

BEGIN NCDOT PROJECT B-5985
-LI- POC STA. 15 + 70.00

2022		N. WATERS ST.	
		2200	2900
15200	600	1200	15500
17000	700	1650	17700
(-LI-) NC 41/72		200	50
		200	50
		600	700
		N. WATERS ST.	
		NC 41/72	



DENOTES TEMPORARY
IMPACTS IN SURFACE WATER



DENOTES IMPACTS IN
SURFACE WATER

END NCDOT PROJECT B-5985
-LI- POT STA. 27 + 47.88

LI-
PI Sta. 21+09.42
Δ = 32° 49' 41.4" (LT)
D = 3° 00' 00.0"
L = 1,094.27'
T = 562.61'
R = 1,909.86'
SE = 03
RO = SEE PLANS
DS = 40MPH

NOTE: ROW/STA. OFFSETS
ARE TO THE -LI- ALIGNMENT

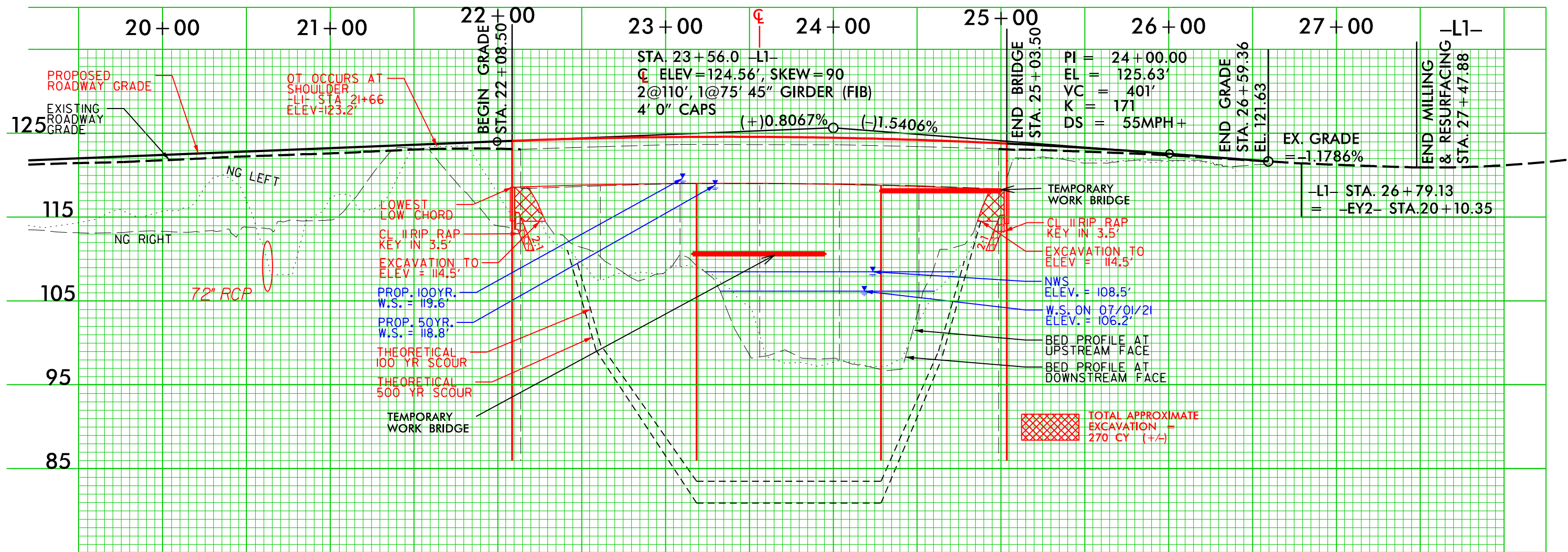
SY - EXISTING SIGNAL
SEE SHEET 6 FOR -LI- PROFILE
SEE SHEET 7 FOR -EY2- PROFILE
SEE SHEETS S-1 THRU S-??
FOR STRUCTURE PLANS

REVISIONS

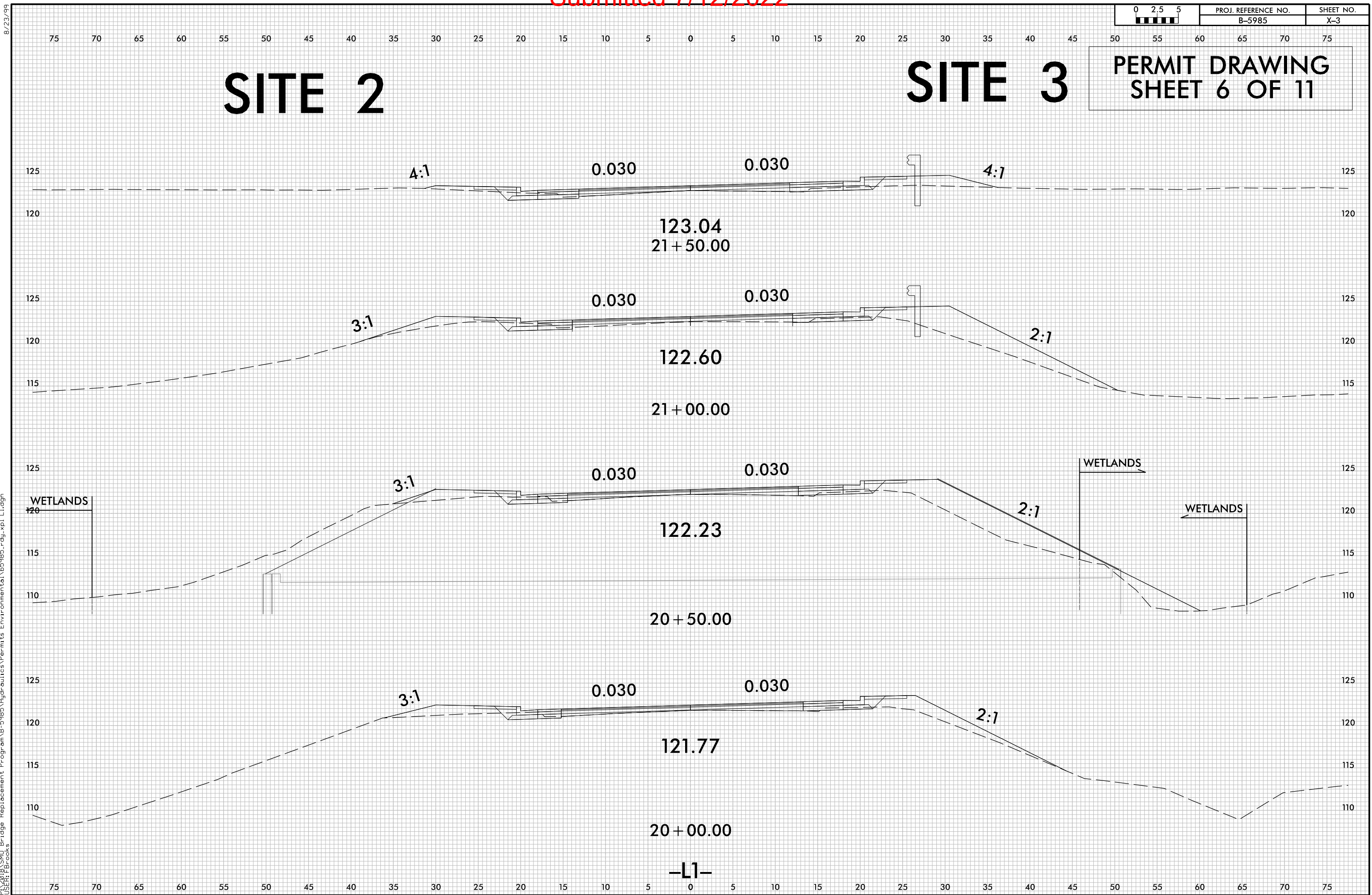
4/25/2022
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USER: h51008

SITE 4 BR 125

PERMIT DRAWING
SHEET 4 OF 11







PERMIT DRAWING
SHEET 7 OF 11



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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

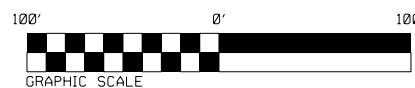
PROJECT REFERENCE NO. SHEET NO.

B-5985 5

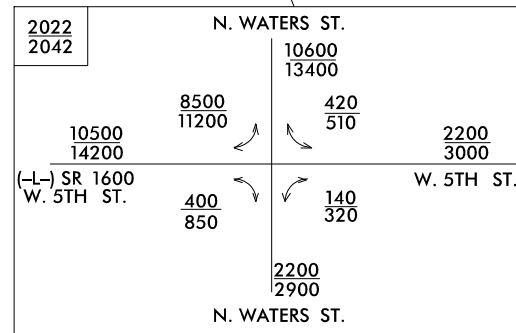
RW SHEET NO.
ROADWAY DESIGN ENGINEER HYDRAULICS ENGINEER

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



- F F DENOTES FILL IN WETLAND
- HC HC DENOTES HAND CLEARING
- TS TS DENOTES TEMPORARY IMPACTS IN SURFACE WATER
- S S DENOTES IMPACTS IN SURFACE WATER



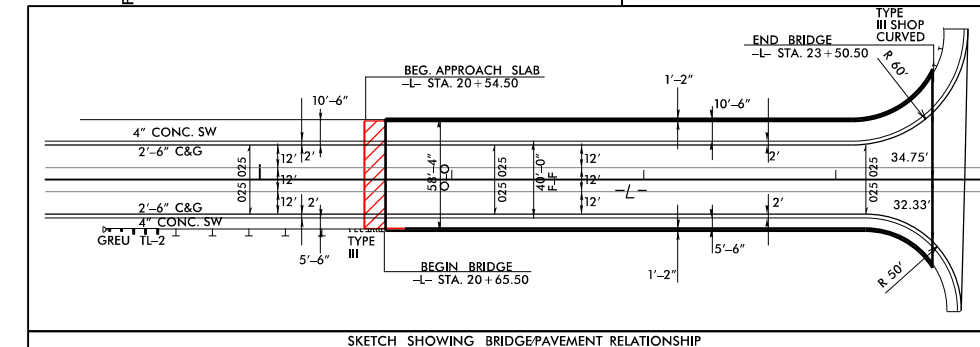
-L-
PI Sta 17+10.16
 $\Delta = 11' 32'' 05.1''$ (LT)
 $D = 4' 30'' 00.0''$
 $L = 256.33'$
 $T = 128.60'$
 $R = 1273.24'$
 $SE = .025$ NC
 $RO = SEE PLANS$
 $DS = 40MPH$

NOTE: ROW/STA. OFFSETS
ARE TO THE -L- ALIGNMENT

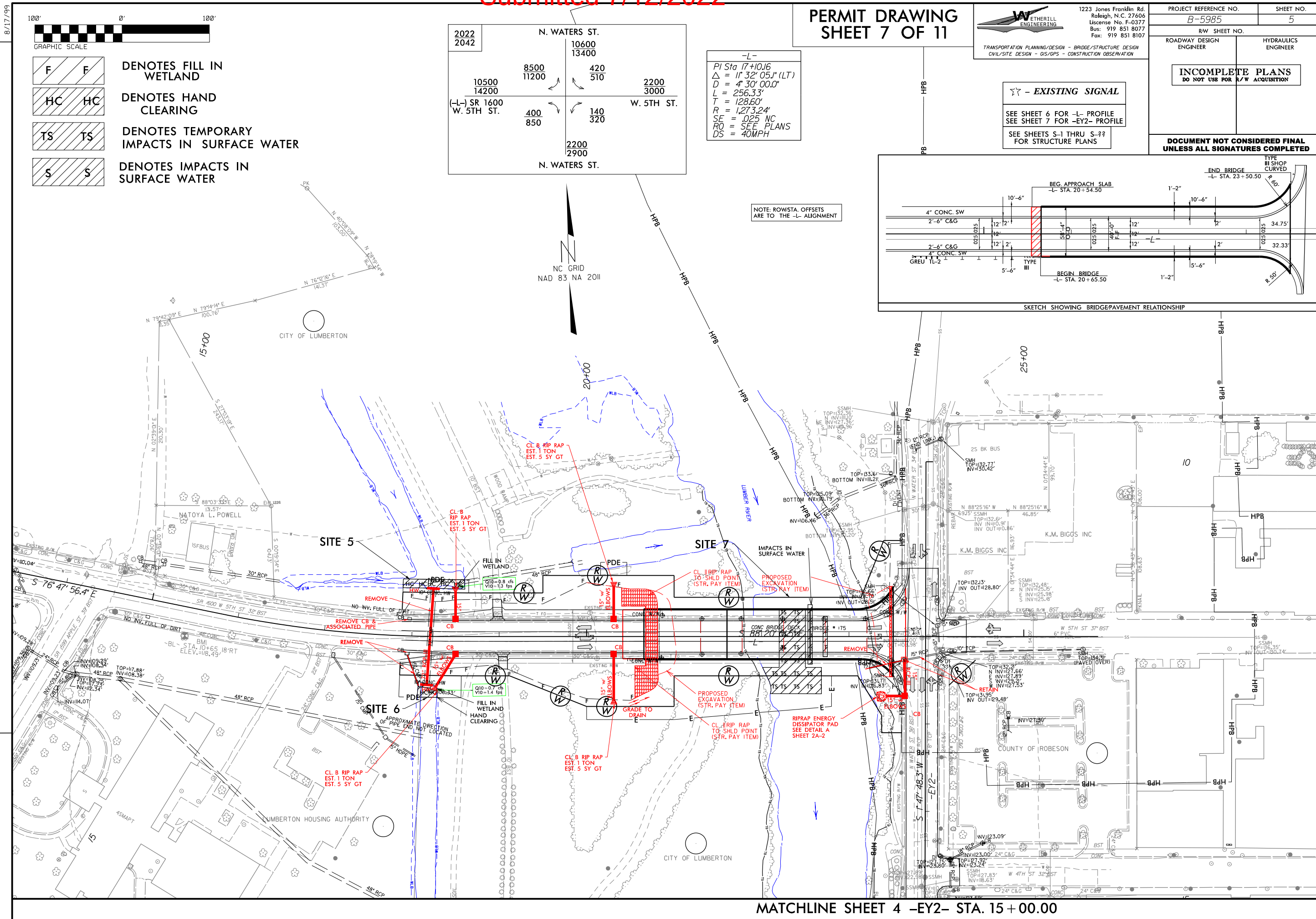
SY - EXISTING SIGNAL

SEE SHEET 6 FOR -L- PROFILE
SEE SHEET 7 FOR -EY2- PROFILE

SEE SHEETS S-1 THRU S-??
FOR STRUCTURE PLANS



REVISIONS



MATCHLINE SHEET 4 -EY2- STA. 15+00.00

Submitted 7/12/2022

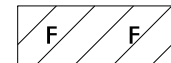
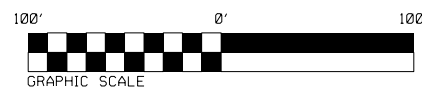
PERMIT DRAWING
SHEET 8 OF 11



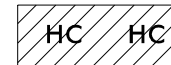
1223 Jones Franklin Rd.
Raleigh, N.C. 27606
License No. F-0377
Bus: 919 851 8077
Fax: 919 851 8107

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

PROJECT REFERENCE NO.		SHEET NO.
B-5985		5
RW SHEET NO.		
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION		
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		



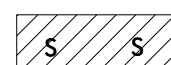
DENOTES FILL IN
WETLAND



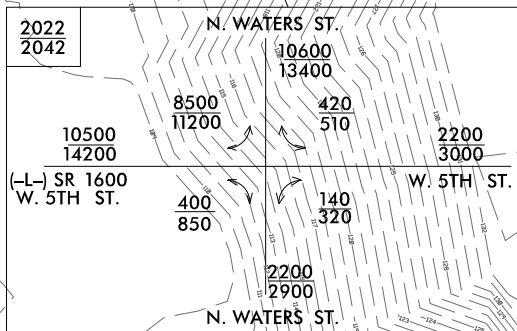
DENOTES HAND
CLEARING



DENOTES TEMPORARY
IMPACTS IN SURFACE WATER



DENOTES IMPACTS IN
SURFACE WATER



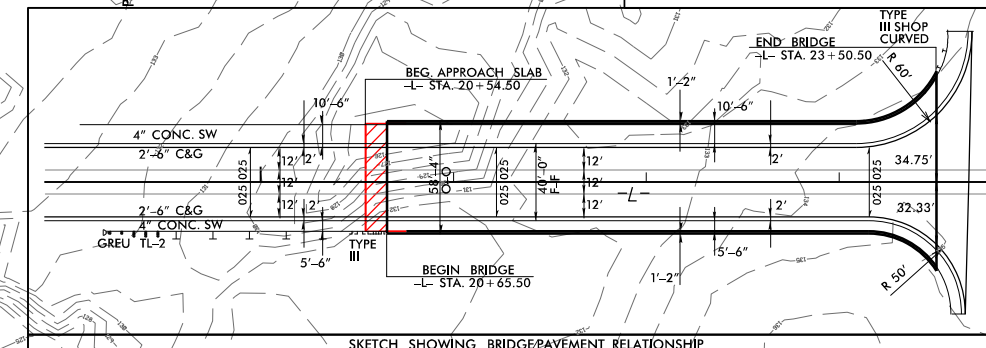
-L-
PI Sta 17+10.16
 $\Delta = 11' 32' 05''$ (LT)
 $D = 4' 30' 00.0''$
 $L = 256.33'$
 $T = 128.60'$
 $R = 1273.24'$
 $SE = .025$ NC
 $RO = SEE PLANS$
 $DS = 40$ MPH

NOTE: ROWSTA. OFFSETS
ARE TO THE -L- ALIGNMENT

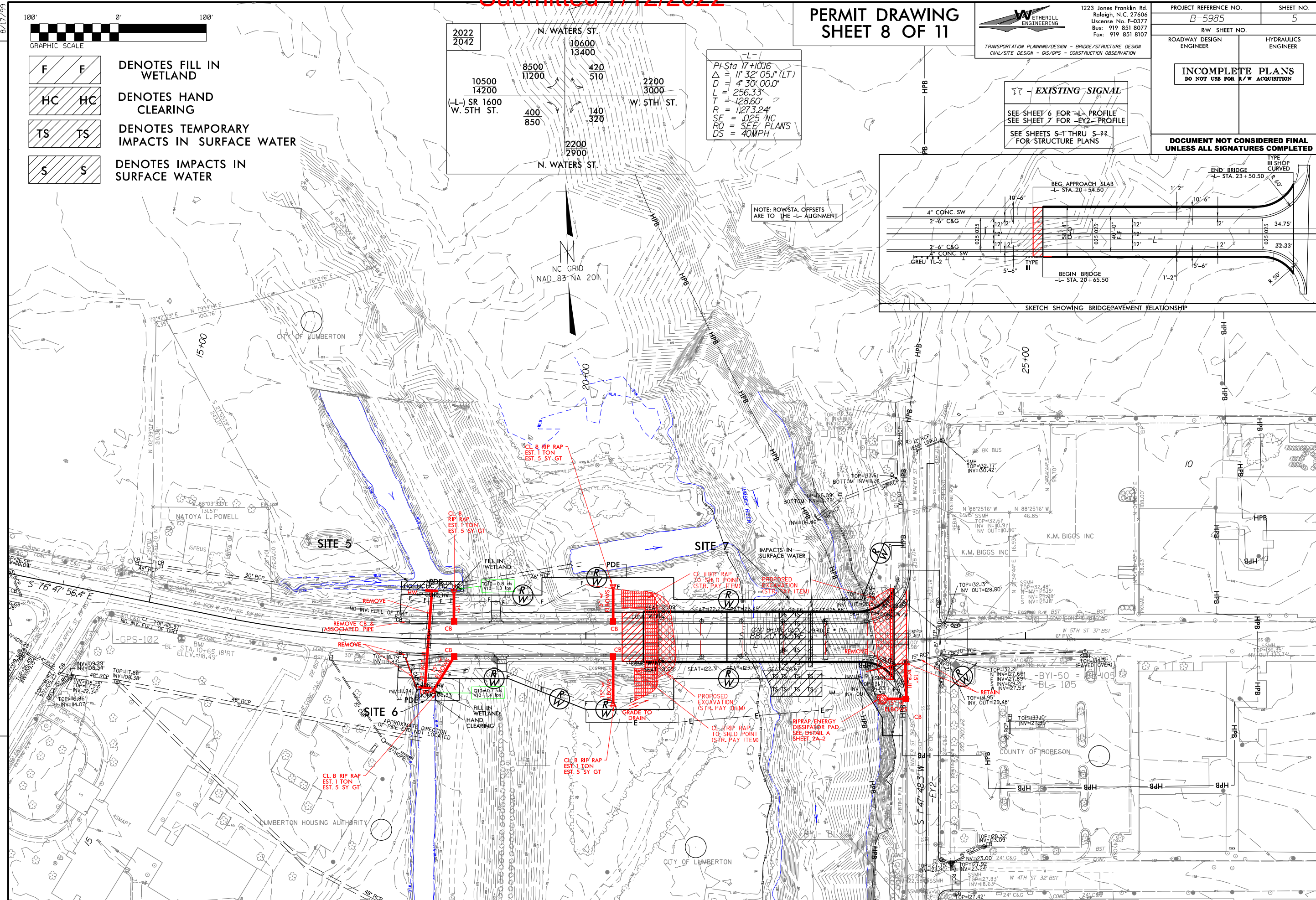
EXISTING SIGNAL

SEE SHEET 6 FOR -L- PROFILE
SEE SHEET 7 FOR -EY2- PROFILE

SEE SHEETS S-1 THRU S-22
FOR STRUCTURE PLANS



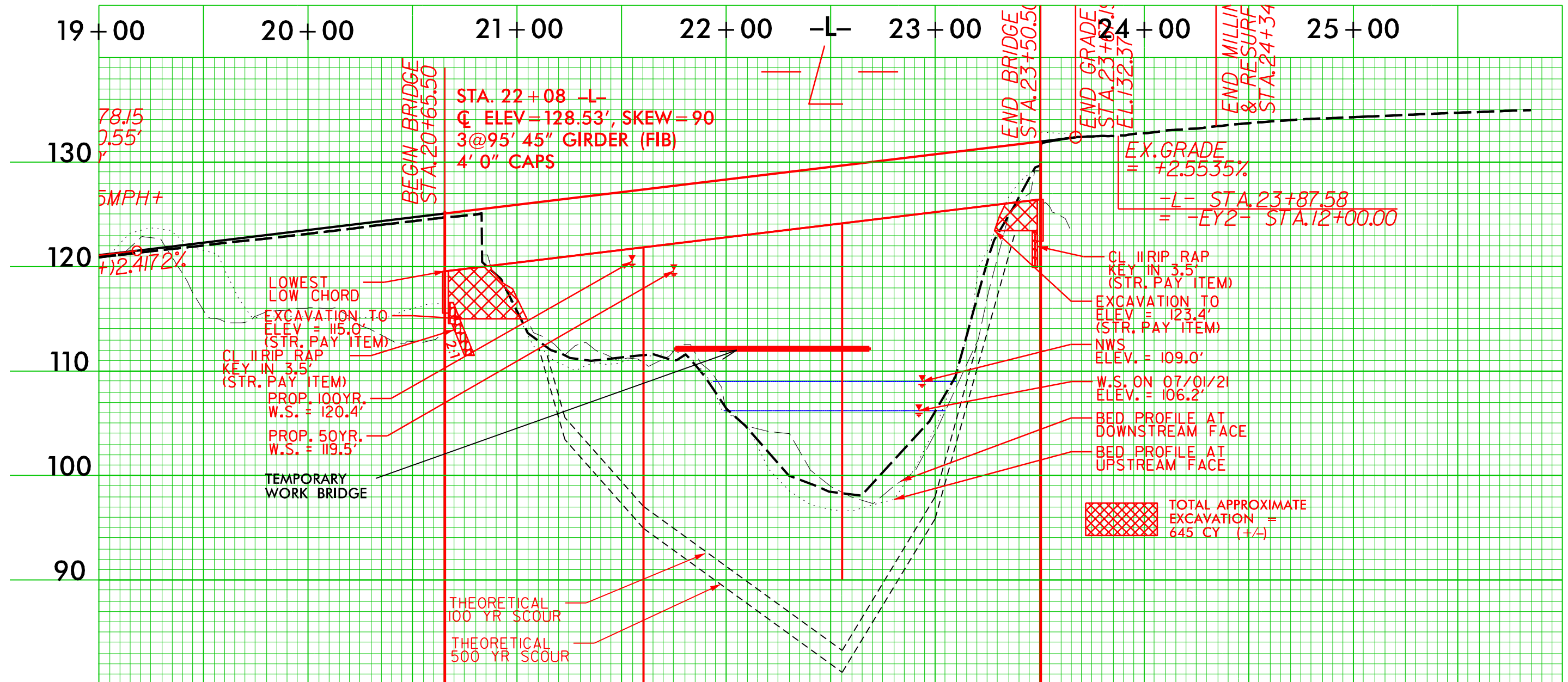
REVISIONS



MATCHLINE SHEET 4 -EY2- STA. 15+00.00

SITE 7 BR 175

PERMIT DRAWING
SHEET 9 OF 11



8/23/99

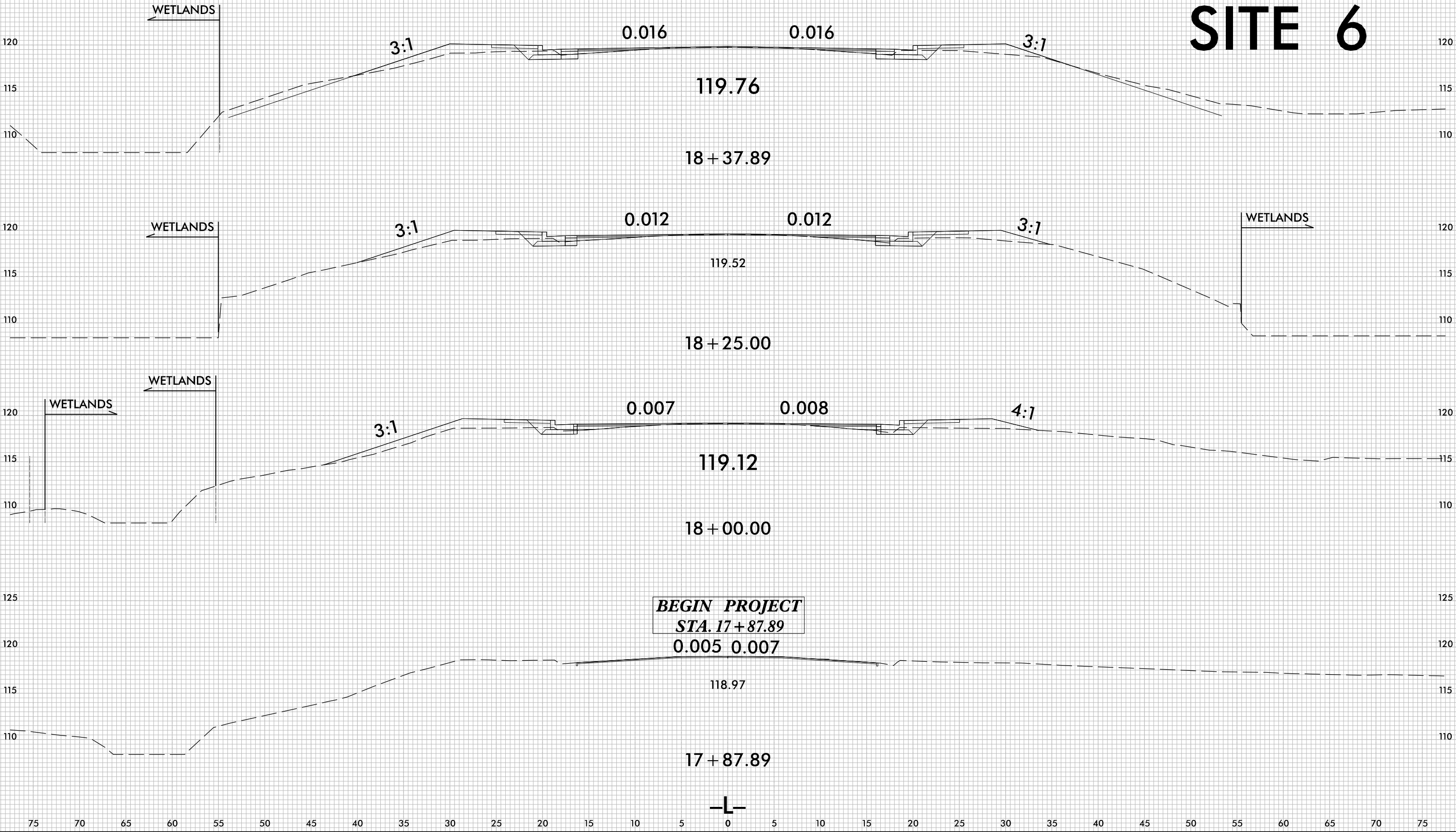
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P:\2020\B-5985\B-5985\Hydraulics\Permits Environmental\B-5985_rdy_xpl L.dgn
B-5985 Brooks

<div>02.55</div>	PROJ. REFERENCE NO.	SHEET NO.
	B-5985	X-9

SITE 5

PERMIT DRAWING
SHEET 10 OF 11

SITE 6



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	-L1- 17+88 to 18+08 LT	15" Alt and Riprap outlet	< 0.01				< 0.01					
	-L1- 18+90 to 19+10 LT	15" Alt and Riprap outlet	< 0.01				< 0.01					
2	-L1- 20+52 to 20+80 LT	72" RCP					0.01					
3	-L1- 20+48 to 20+66 RT	72" RCP	< 0.01				< 0.01					
5	-L- 17+87 to 18+61 LT	72" RCP, 15" Alt	< 0.01				0.02					
6	-L- 18+07 to 18+30 RT	72" RCP, 15" Alt	< 0.01				< 0.01					
TOTALS*:			< 0.01				0.04					

*Rounded totals are sum of actual impacts

NOTES:

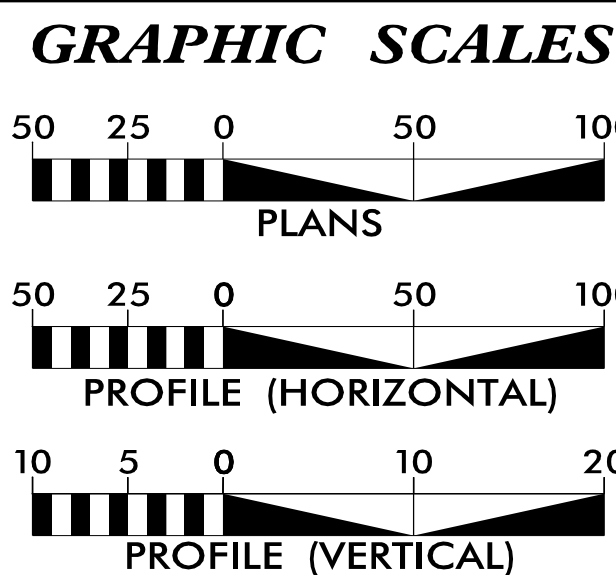
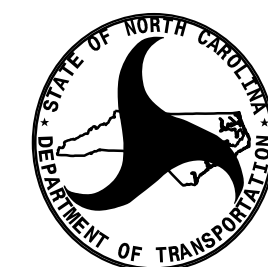
Sites 2 and 6 are both considered Wetland WB

Site 4: Interior bent for Bridge #125 = 392sq ft. Temp. workbridge= 4225 sq ft.

Site 7: Interior bent for Bridge #175 = 348sq ft. Temp. workbridge= 4051 sq ft.

NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
4/24/2022
B-5985
SMU BRIDGE REPLACEMENT

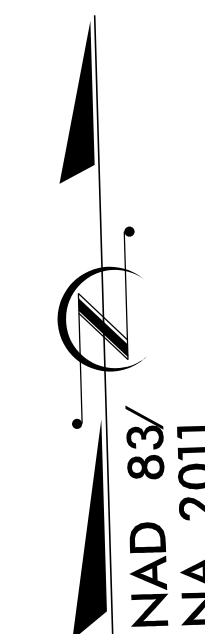
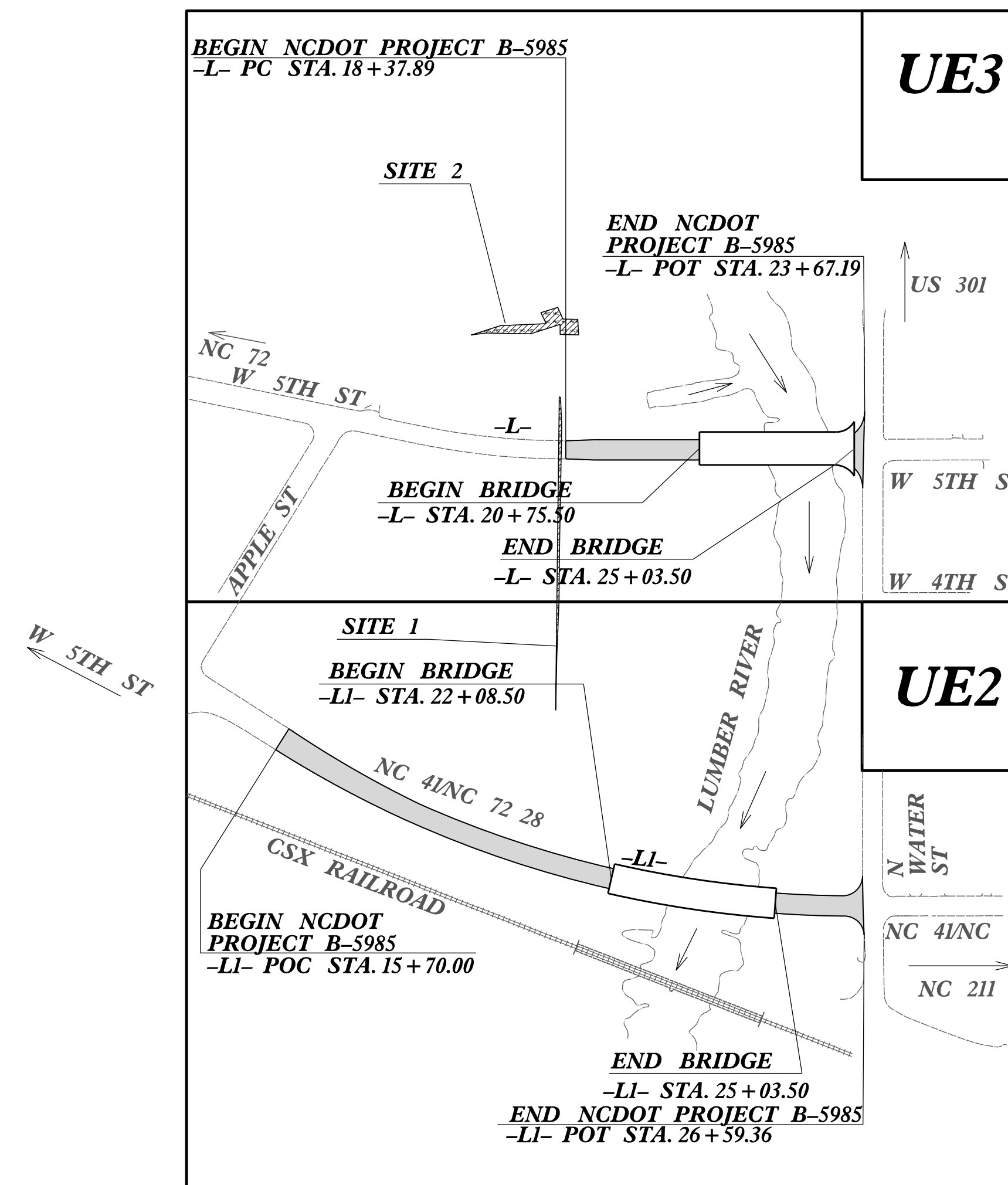
TIP PROJECT: B-5985


**UE PROFILE SHEET**

<u>Nabil Hamdan</u>	UTILITIES REGIONAL ENGINEER
<u>Larry James</u>	UTILITIES ENGINEER
<u>Tanga Sampson</u>	UTILITIES AREA COORDINATOR
<u>Larry James</u>	UTILITIES COORDINATOR

PERMIT DRAWING SHEET 1 OF 5
DATE: 3-22/2022

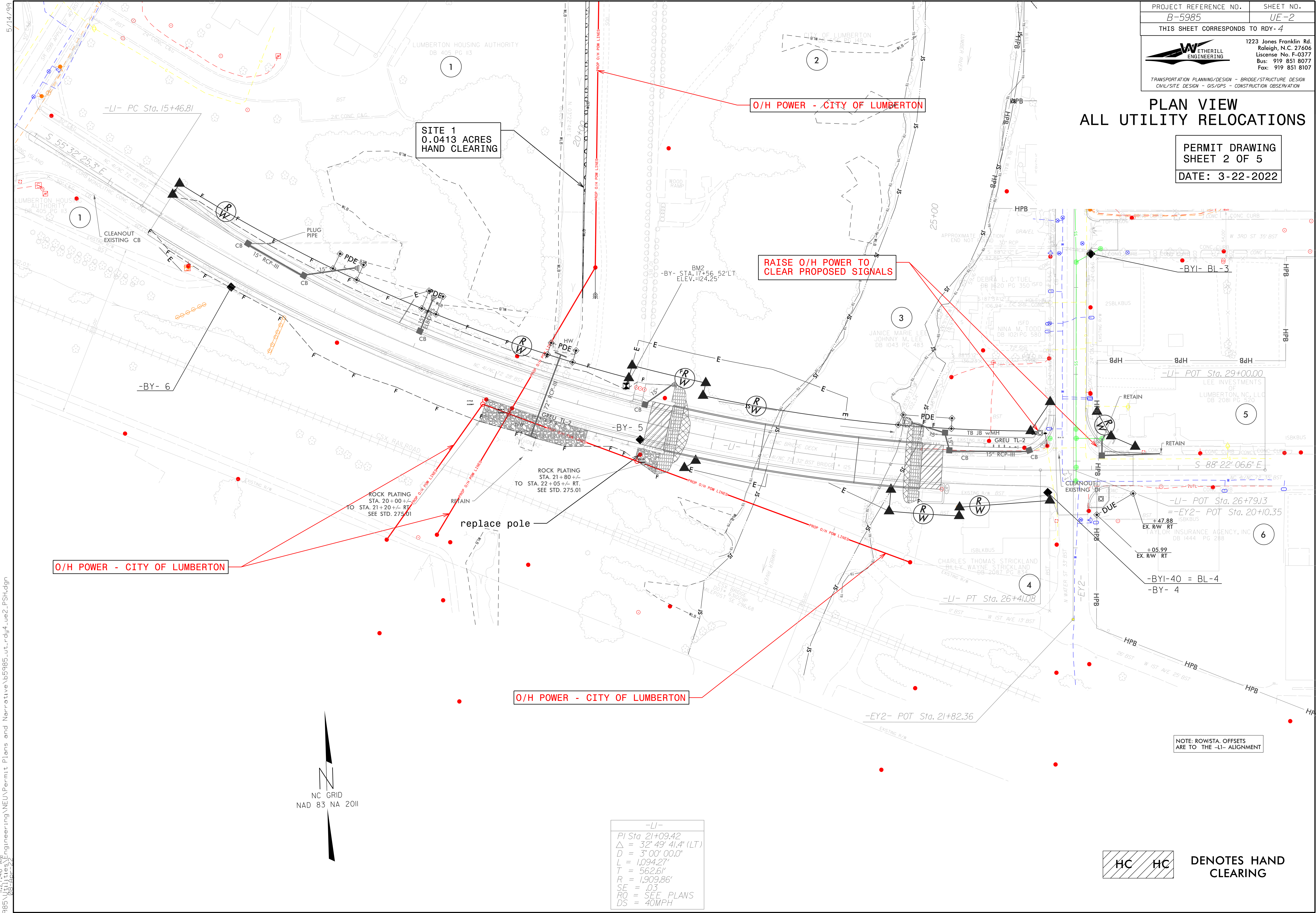
**WETLAND AND SURFACE WATER
IMPACTS PERMIT – UTILITIES**



PROJECT REFERENCE NO.	SHEET NO.
B-5985	UE-2
THIS SHEET CORRESPONDS TO RDY-4	
	
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PLAN VIEW
ALL UTILITY RELOCATIONS

PERMIT DRAWING
SHEET 2 OF 5
DATE: 3-22-2022




NOTE: ROW/STA. OFFSETS
ARE TO THE -LI- ALIGNMENT



DENOTES HAND
CLEARING

-LI-
PI Sta 21+09.42
Δ = 32° 49' 41.4" (LT)
D = 3° 00' 00.0"
L = 1,094.27'
T = 562.61'
R = 1,909.86'
SE = .03
RO = SEE PLANS
DS = 40MPH

PROJECT REFERENCE NO.	SHEET NO.
B-5985	UE3
THIS SHEET CORRESPONDS TO RDY-5	
	
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PLAN VIEW
ALL UTILITY RELOCATIONS

PERMIT DRAWING
SHEET 3 OF 5

DATE: 3-22-2022

HC HC DENOTES HAND
CLEARING

NOTE: ROW/STA. OFFSETS
ARE TO THE -L- ALIGNMENT

O/H POWER - CITY OF LUMBERTON
O/H COMMUNICATION - CHARTER

SITE 2
0.0747 ACRES
HAND CLEARING

U/G GAS
ABANDONED

RAISE O/H POWER TO
CLEAR PROPOSED SIGNALS

RAISE O/H POWER TO
CLEAR PROPOSED SIGNALS

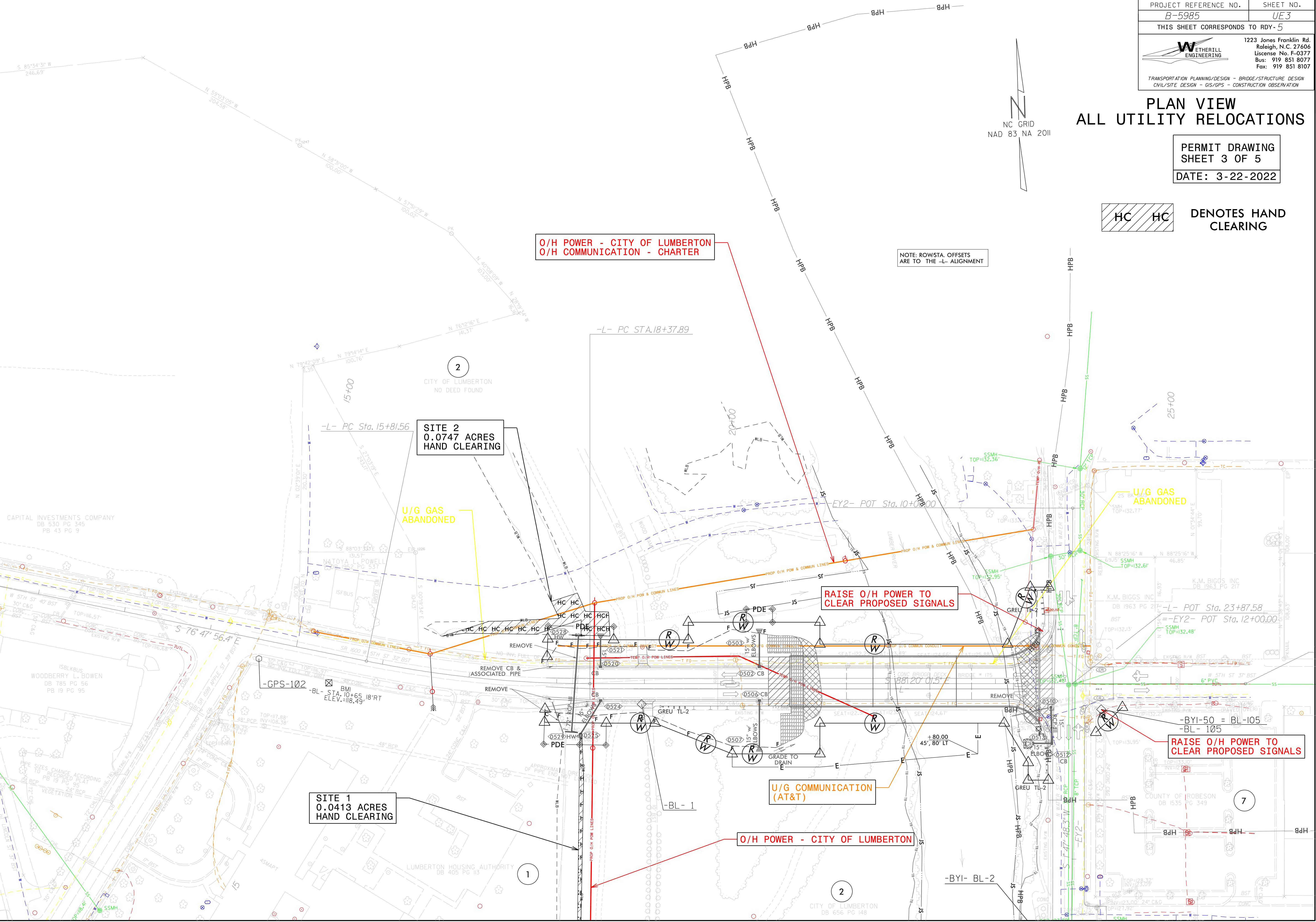
U/G COMMUNICATION
(AT&T)

O/H POWER - CITY OF LUMBERTON

SITE 1
0.0413 ACRES
HAND CLEARING


5/14/99

8/4/2010 AM
B-5985\UT-3\psh.dgn
Engineering\NEUN\Permit Plans and Narrative\B-5985\ut-rdy5-ue3.psh.dgn



5/28/99

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22-Nov-22 11:55 AM



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Fax: 919 851 8107

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

PROJECT REFERENCE NO.
B-5985

SHEET NO.
UE-4

PERMIT DRAWING
SHEET 4 OF 5

DATE: 3/22/2022

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

SEE SHEET UE-3 FOR PLAN

