

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

J. ERIC BOYETTE
SECRETARY

January 18, 2023

MEMORANDUM TO: Division Environmental and Construction Units

FROM: Michael A. Turchy, ECAP Group Leader Environmental Analysis Unit

SUBJECT: Environmental Permit for the Replacement of Bridge 15 on SR 1505 over

Wildcat Swamp, Northampton, County, Division.,

TIP: 17BP.1.R.90/ B-4920.

Please find enclosed the following permit for this project:

Agency	Permit Type	Permit Expiration		
US Army Corps of Engineers Section 404 Clean Water Act Permit	Nationwide 3 [non-notifying]	March 14, 2026		
NC Division of Water Resources	General Certification No. 4236 [NW3]	March 14, 2026		
Section 401 Water Quality Certification	[non-notifying]	Watch 14, 2020		

Work is authorized by the above referenced permit provided it is accomplished in strict accordance with the permitted plans.

The Environmental Coordination and Permitting Group or the Division Environmental Office must be consulted if any deviation from the permit(s) is required.

Telephone: (919) 707-6000

Customer Service: 1-877-368-4968

Website: www.ncdot.gov

The General Conditions and Certifications for Nationwide and Regional Permits can be referenced at: https://xfer.services.ncdot.gov/pdea/PermIssued/_General_Conditions_and_Certifications/

PROJECT COMMITMENTS

T.I.P Project No. 17BP.1.R.90
Bridge No. 650015 on SR 1505 (NCHS East Road)
Over Wildcat Swamp
Northampton County
WBS Element No. 17BP.1.R.90

COMMITMENTS FROM PROJECT DEVELOPMENT AND DESIGN

NCDOT Division 1 – Emergency Services

Contact Northampton County emergency services at (252) 534-6811 at least one month prior to the beginning of construction.

NCDOT Division 1 – Northampton County Schools

Contact Northampton County School System at (252) 534-1371 at least one month prior to the beginning of construction.

NCDOT Division 1 – Access

Access will be maintained throughout construction for local traffic as well as for farms and active fields that are located near both ends of the bridge. Early coordination efforts will be implemented with farmers to minimize impact on operations and avoid project delays.

NCDOT Hydraulics Unit – FEMA Coordination

The Hydraulics Unit will coordinate with the NC Floodplain Mapping Program (FMP), to determine status of project with regard to applicability of NCDOT'S Memorandum of Agreement, or approval of a Conditional Letter of Map Revision (CLOMR) and subsequent final Letter of Map Revision (LOMR). This project involves construction activities on or adjacent to FEMA-regulated stream(s). Therefore, the Division shall submit sealed as-built construction plans to the Hydraulics Unit upon completion of project construction, certifying that the drainage structure(s) and roadway embankment that are located within the 100-year floodplain were built as shown in the construction plans, both horizontally and vertically.

COMMITMENTS FROM PERMITTING

No special commitments were made during permitting



North Carolina Department of Transportation

Highway Stormwater Program



STORMWATER MANAGEMENT PLAN FOR NCDOT PROJECTS Version 2.08; Released April 2018) WBS Element: 17BP1R90 TIP No.: 17BP1R90 County(ies): Northampton Page of **General Project Information** WBS Element: 17BP1R90 TIP Number: 17BP1R90 Date: 1/3/2019 **Project Type:** Bridge Replacement **NCDOT Contact:** David Stutts, PE Contractor / Designer: Kisinger Campo & Associates Address: 1000 Birch Ridge Drive Address: 301 Fayettville St., Suite 1500 Raleigh, North Carolina 27610 Raleigh, NC 27604 Phone: (919) 707-6400 Phone: (919) 822-7839 Email: dstutts@ncdot.gov Email: imcnultv@kcaeng.com City/Town: Conway County(ies): Northampton River Basin(s): **CAMA County?** No Chowan Wetlands within Project Limits? Yes **Project Description** Mostly aggricultural, with sparse residential buildings around the area Surrounding Land Use: Project Length (lin. miles or feet): 913 ft **Proposed Project Existing Site** 0.9 Project Built-Upon Area (ac.) Typical Cross Section Description: The proposed typical section on either side of the bridge will be normal crown with cross Existing roadways consists of two 11' lanes, with 3' unpaved shoulders. slope of 0.025, and consist of two 11' lanes with 4' paved shoulder The bridge typical section will be 0.025 normal crown, and consist of two 11' lanes with 4'-5" shoulder. Annual Avg Daily Traffic (veh/hr/day): Year: 2015 Design/Future: 900 Existing: 900 Year: 2015 State project 17BR.1.R.90 will consist of replacing the structurally deficient NCDOT bridge #650015 between SR 1500 and US HWY 158 over Wildcat Swamp. The proposed General Project Narrative: replacement structure is a 2-span (1@55'-0", 1@50'-0") 21" Cored Slab with 4.0' caps with an out-to-out deck width of 33' which will replace the existing 2-span (2@30'-3). (Description of Minimization of Water Roadway fill slopes throughout the project will vary between 2.5:1 and 6:1. Side slopes outside of wetland boundaries are flatter (4:1-6:1) to encourage a diffuse flow pattern and Quality Impacts) passive stormwater treatment. Fill slopes in close proximity to wetlands are steeper (3:1) to minimize permanent fill impacts in wetlands. Stormwater runoff from the bridge and roadway will be collected by traffic bearing grated inlets where it will be outlet at dissipator rip rap pads. Dissipator rip rap pads are used to minimize the velocity of water into surrounding wetlands. 1 ditch, located at the SouthEast corner of the project will be used to maintain existing drainage patterns. No deck drains will be used for this project. **Waterbody Information** NCDWR Stream Index No.: Surface Water Body (1): Wildcat Swamp 25-4-8-2 **Primary Classification:** Class C NCDWR Surface Water Classification for Water Body Supplemental Classification: Nutrient Sensitive Waters (NSW) None Other Stream Classification: Impairments: None No Aquatic T&E Species? Comments: NRTR Stream ID: N/A Buffer Rules in Effect: No Project Includes Bridge Spanning Water Body? Yes No Dissipator Pads Provided in Buffer? Deck Drains Discharge Over Buffer? (If yes, provide justification in the General Project Narrative) (If yes, describe in the General Project Narrative; if no, justify in the Deck Drains Discharge Over Water Body? No General Project Narrative) (If yes, provide justification in the General Project Narrative)

See Sheet 1A For Index of Sheets

| See Sheet 1A For Index of Sheets | Shee

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

NORTHAMPTON COUNTY

LOCATION: BRIDGE NO. 650015 ON SR 1505 (NCHS ROAD)
OVER WILDCAT SWAMP

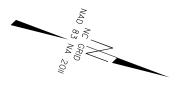
TYPE OF WORK: GRADING, DRAINAGE, PAVING AND STRUCTURE

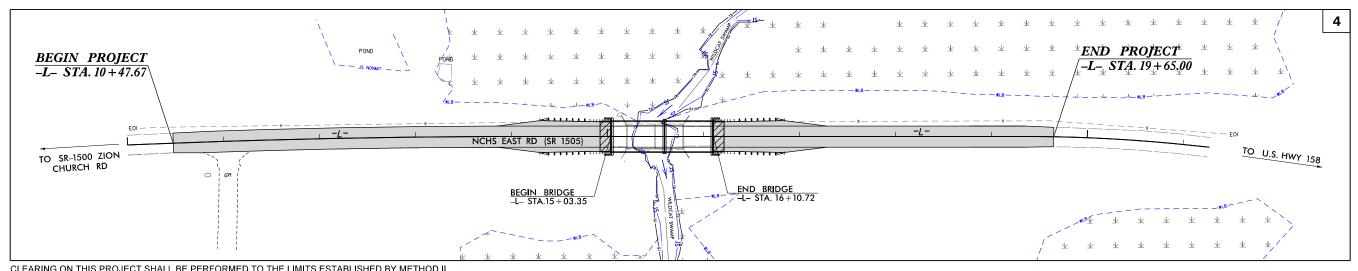
STATE	STATE	NO.	SHEETS					
N.C.	17		1					
STAT	E PROJ.NO.	P. A. PROJ. NO.		DESCRIPTION				
17B	P.1.R.90							
17B	17BP.1.R.90				R/W, UTILITIES			
<u>17B</u>	P.1.R.90		_C	ONSTRU	CTION			
			<u></u>					
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WETLANDS &
STREAM IMPACTS
1/3/2020

PERMIT DRAWING SHEET 1 OF 8





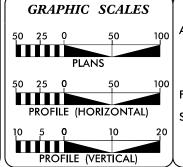


CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD II THIS PROJECT IS NOT LOCATED WITHIN MUNICIPAL BOUNDARIES.
THIS IS NOT A CONTROL OF ACCESS PROJECT.

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

DO NOT USE FOR CONSTRUCTION

DOCUMENT NOT CONSIDERED FINAL
UNITED SALES ALES GRATURES COMPLETED



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PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT 17BP.1.R.90

LENGTH STRUCTURES TIP PROJECT 17BP.1.R.90

TOTAL LENGTH TIP PROJECT 17BP.1.R.90

NCDOT CONTACT:

DAVID STUTTS, PE

0.153 MILES

| No. | No.

Prepared in the Office of:

HYDRAULICS ENGINEER

P.E.

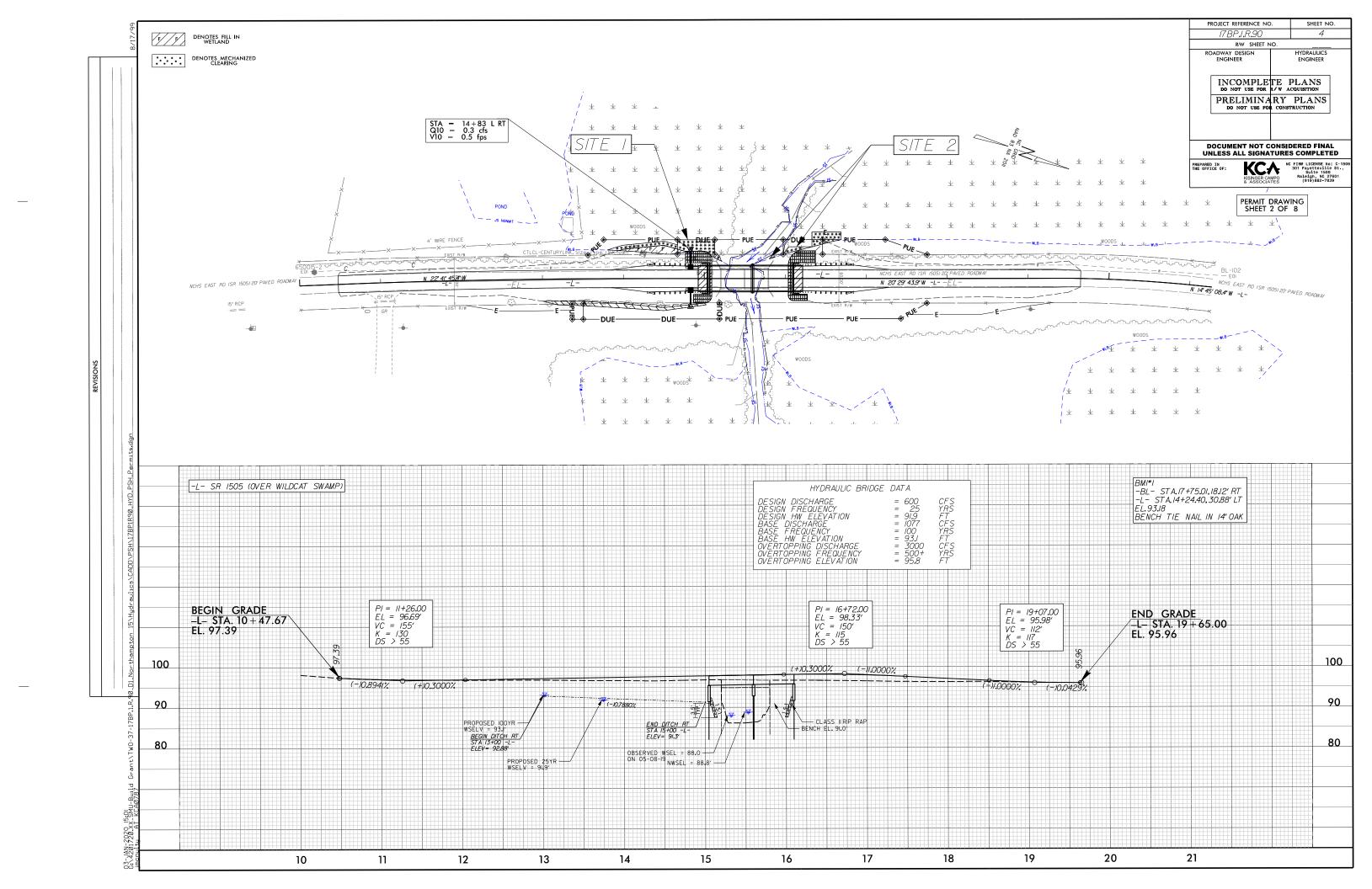
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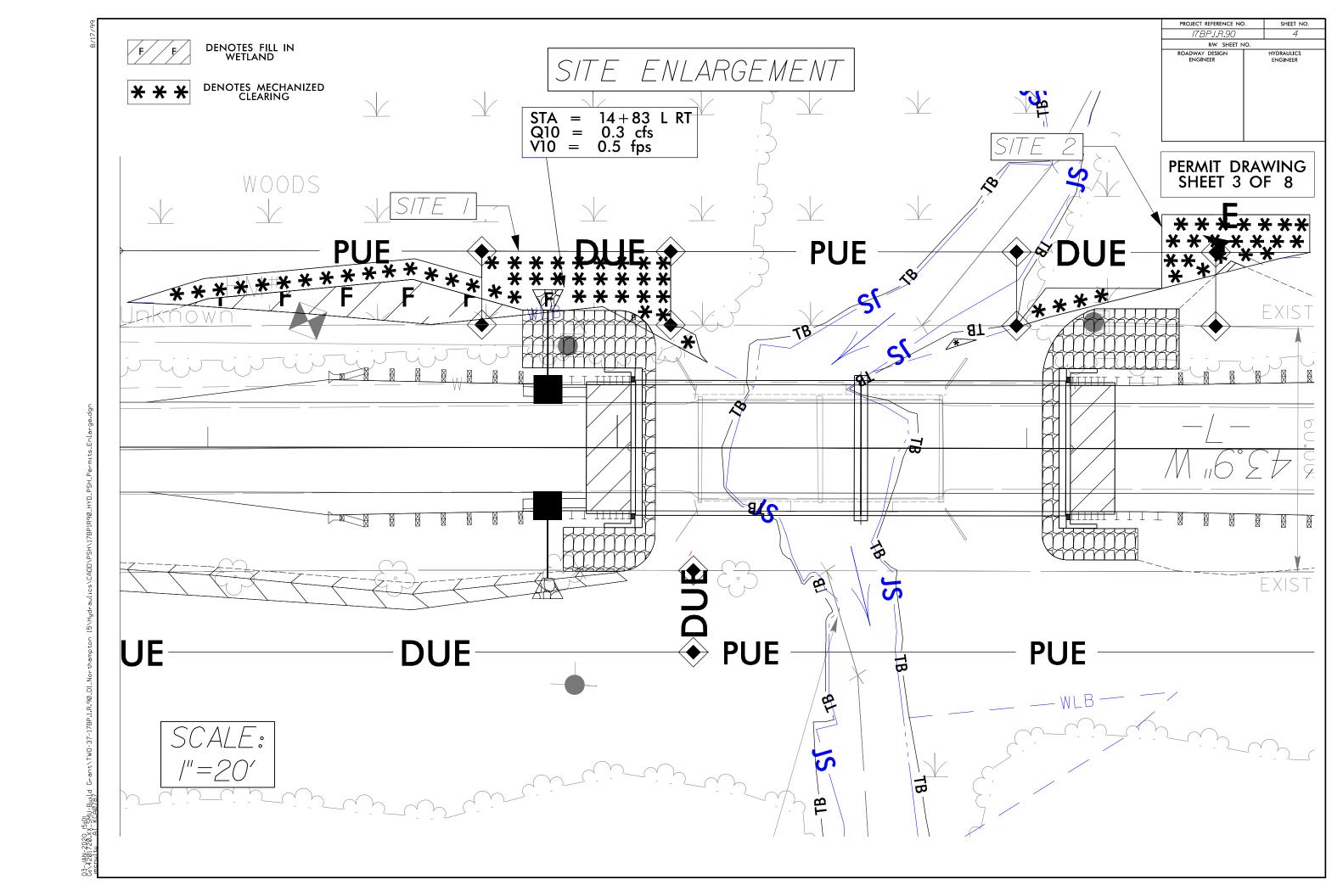
ROADWAY DESIGN
ENGINEER

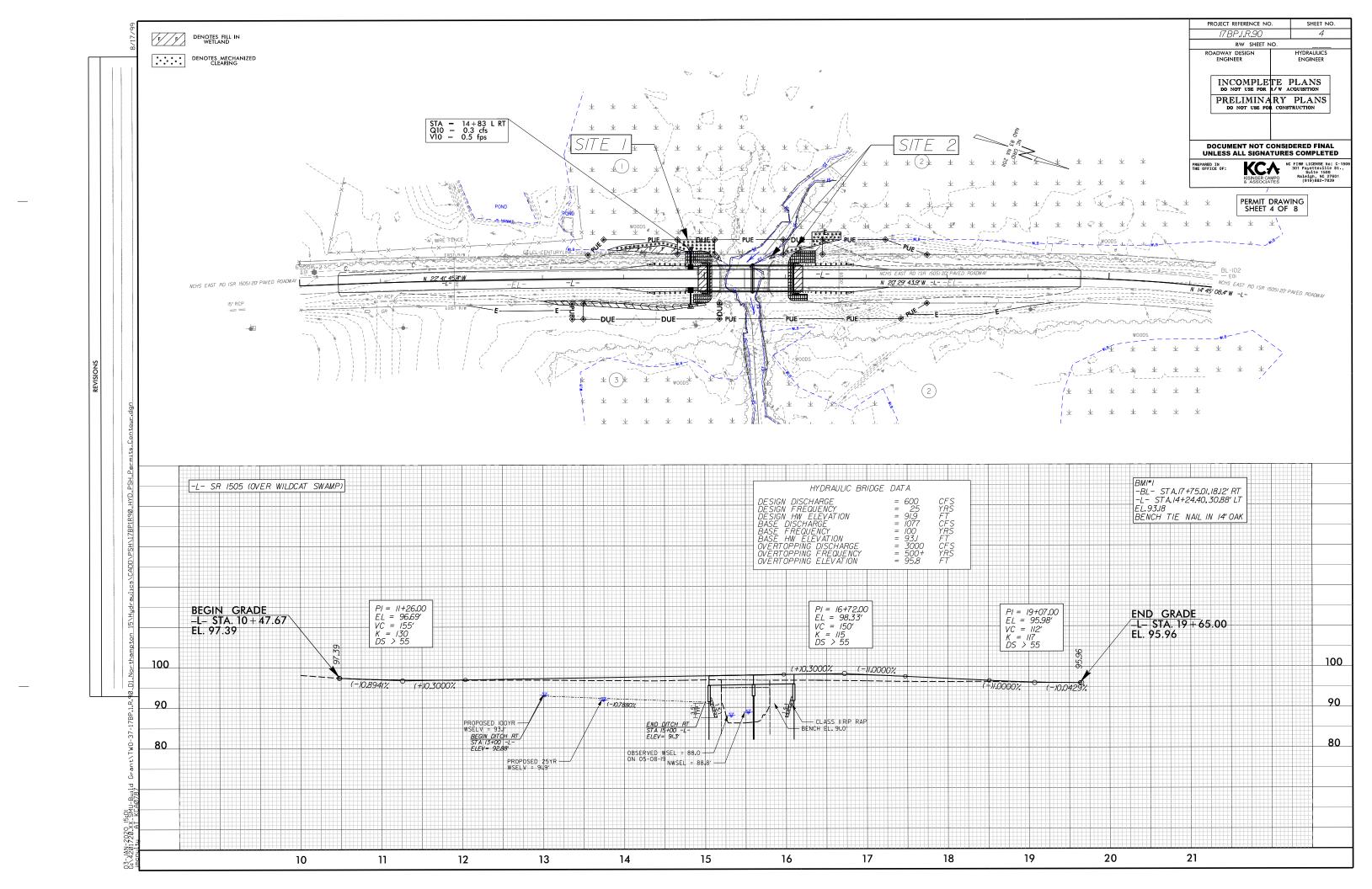
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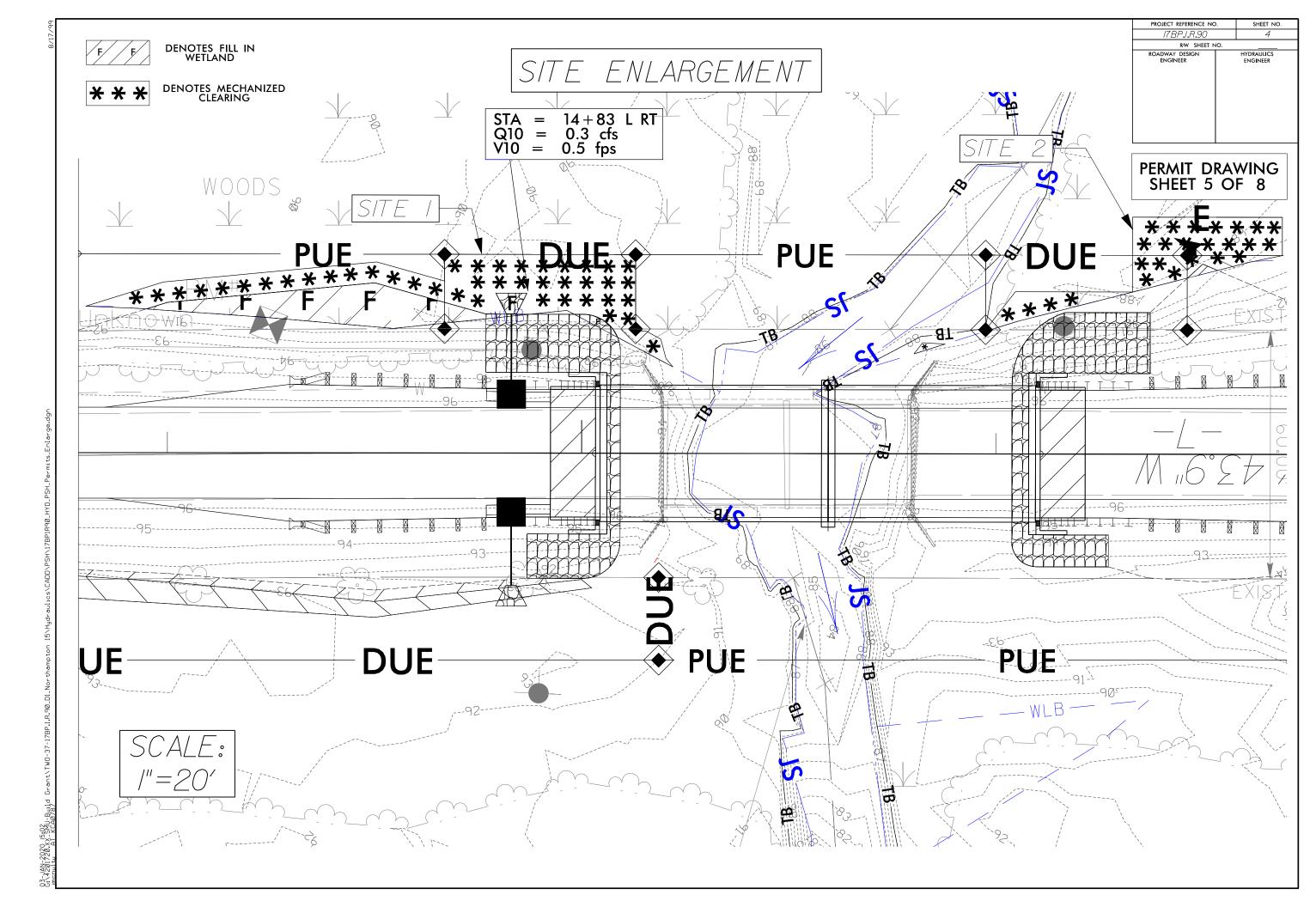
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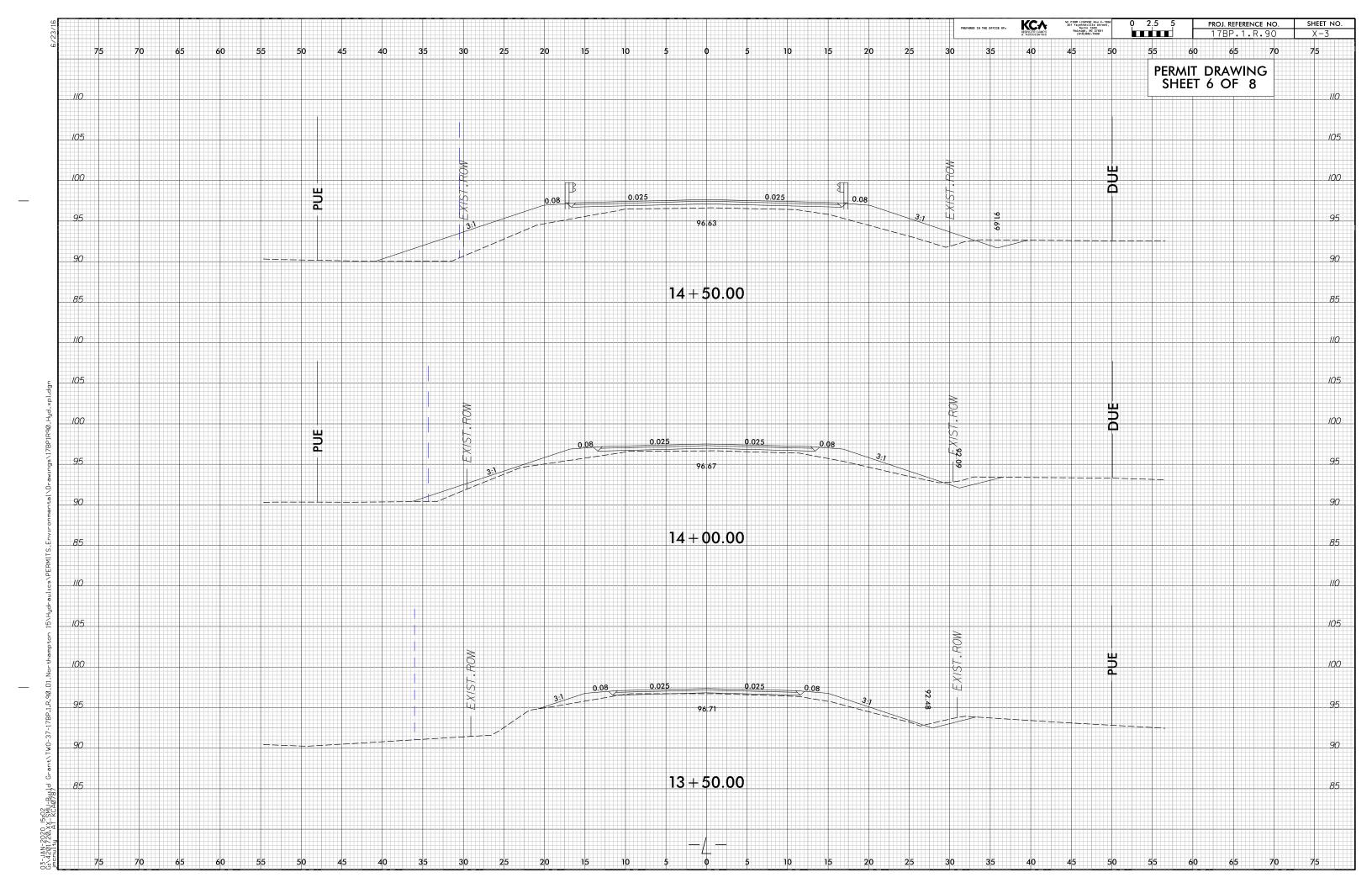


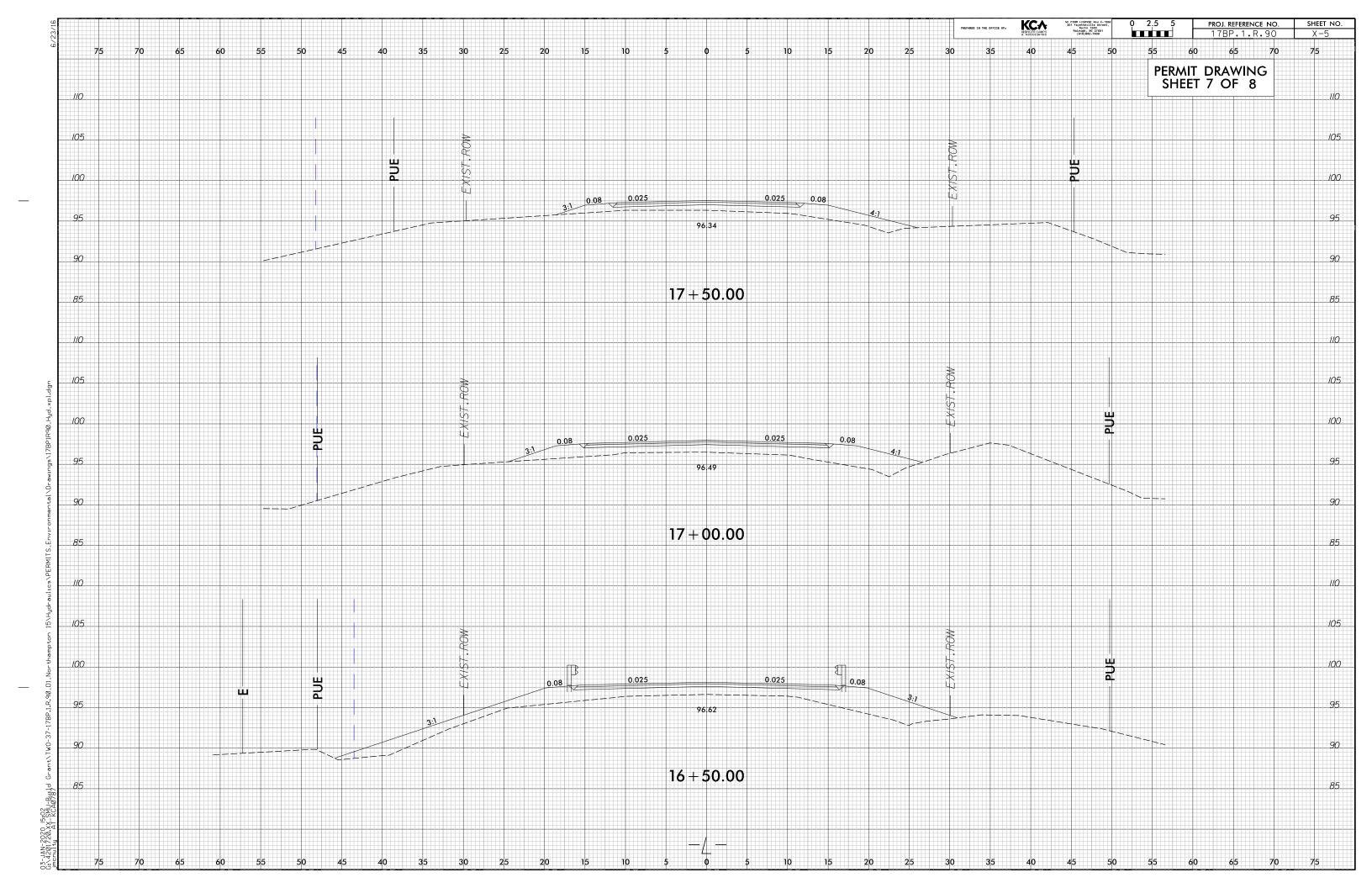












	WETLAND AND SURACE WATER IMPACTS SUMMARY											
			WETLAND IMPACTS				SURFACE WATER IMPACTS					
Site	Station	Structure	Permanent Fill In	Temp. Fill In	Excavation in	Mechanized Clearing	Hand Clearing in	Permanent SW	Temp. SW	Existing Channel Impacts	Existing Channel Impacts	Natural Stream
No.	(From/To)	Size / Type	Wetlands (ac)	Wetlands (ac)	Wetlands (ac)	in Wetlands (ac)	Wetlands (ac)	impacts (ac)	impacts (ac)	Permanent (ft)	Temp. (ft)	Design (ft)
1	13+80 / 15+31	Proposed (Begin Bridge) End Bent	0.01			0.03						
2	15+59.54	Proposed Bent						< 0.01				
2	15+69 / 16+61	Proposed (End Bridge) End Bent	< 0.01			0.01						
TOTAL	S*:	I	0.01			0.04		< 0.01		0	0	0

*Rounded totals are sum of actual impacts

NOTES:

Site 2:

Permanent Fill in Wetlands (sq ft): 9

Permanent SW Impacts for permanent piles: 8 piles at 0.15 sq. ft./piles = 1.2 sq. ft

NC DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS

1/3/2019

Northampton

17BP1R90

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OF

SHEET

Revised 2018 Feb