



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

J. ERIC BOYETTE
SECRETARY

September 17, 2020

U.S. Army Corps of Engineers
Wilmington Regulatory Field Office
69 Darlington Avenue
Wilmington, NC 28403

Attn: Mr. Brad Shaver
NCDOT Coordinator

Subject: **NWP 3 PCN** for Bridge No. 178 on SR 1804 over Sevenmile Swamp in Sampson County.
USACOE Action Id. No. SAW-2018-02243, TIP BR-0121, WBS Element 67121.1.1

Dear Mr. Shaver:

The North Carolina Department of Transportation (NCDOT) is preparing to replace the subject bridge. It was anticipated that this project could be performed with authorization under NWP 3 with no written authorization required, and you confirmed the applicability of NWP 3 for this project on October 28, 2019. However, due to the recent listing of wood stork in Sampson County by the U.S. Fish and Wildlife Service, and uncertainty over the bird's distribution in this county, the effect call by USFWS now requires us to obtain written approval. The following information is supplied to meet the requirements of the NWP 3 notification.

Project description (Item 4)

The purpose of this project is to replace Sampson County Bridge No. 178 on SR 1804 over Sevenmile Swamp. Bridge No. 17 is 91 feet long. The replacement structure will be a bridge approximately 105 feet long providing a minimum 30-foot 10 inch clear deck width. The bridge will include two 10-foot lanes and 5-foot 5 inch offsets. The existing bridge is being replaced due to its age and deteriorated condition. Traffic will be detoured offsite during construction. The project's potential impacts were evaluated in a Categorical Exclusion Action Form completed in July 2019.

The current plans show less than 0.01 acre of permanent wetland impacts and less than 0.01 acre of surface water impacts. A copy of the project permit drawings is attached.

Delineation (Item 5)

The project was delineated in October 2018 during preparation of a Natural Resources Technical Report completed in May 2019. You reviewed the wetland limits during a site visit on May 8, 2019 with Mason Herndon and Joanne Steenhuis, issuing a PJD on May 22, 2019.

Mitigation (Item 6)

Impacts for the project are minimal, compensatory mitigation is not proposed.

MAILING ADDRESS:
NC DEPARTMENT OF TRANSPORTATION
ENVIRONMENTAL ANALYSIS UNIT
1598 MAIL SERVICE CENTER
RALEIGH NC 27699-1598

TELEPHONE: 919-707-6000
FAX: 919-212-5785
WEBSITE: NCDOT.GOV

LOCATION:
CENTURY CENTER, BUILDING A
1000 BIRCH RIDGE DRIVE
RALEIGH NC, 27610-4328

Protected Species (Item 7)

Preparation of the CE document in 2019 addressed potential impacts on Federally protected species. However, the wood stork was added to the list for Sampson County earlier this year. Coordination with the USFWS indicates that the project May Affect, but is Not Likely to Adversely Affect the wood stork. Email correspondence is attached.

Historic Properties (Item 8)

Preparation of the CE document in 2019 addressed potential impacts on historic properties, with no adverse impacts anticipated.

Items 9 and 10 on the PCN list, Wild and Scenic Rivers and Corps civil works projects, are not applicable to this project.

REGULATORY APPROVALS

Section 404: NCDOT requests written approval for NWP 3 as required for the above described activities.

Section 401: Written approval for these activities is not required from the N.C. Division of Water Resources.

A copy of the permit application and its distribution list will be posted at <https://xfer.services.ncdot.gov/pdea/PermApps/>.

We appreciate your assistance to meet the project letting scheduled for November 17, 2020. If you have any questions or need additional information, please contact Gordon Cashin at gcashin@ncdot.gov or 919-707-6107.

Sincerely,

DocuSigned by:

Mack C. Rivenbark III

AAAD1248B309416...

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

From: [Jordan, Gary](#)
To: [Cashin, Gordon E](#)
Cc: [Rivenbark, Chris](#); [Wilson, Travis W.](#)
Subject: Re: [EXTERNAL] Wood stork issues, BR-0121 and BR-0122
Date: Wednesday, September 16, 2020 8:19:10 AM

CAUTION: External email. Do not click links or open attachments unless you verify. Send all suspicious email as an attachment to report.spam@nc.gov

Gordon,

The breeding season for wood storks begins about April 15. We have limited evidence of breeding in Sampson County. Overall, the species is exceptionally rare in Sampson County, especially so from about November to early April. Given these facts, and given that the two projects would either be completed or well underway prior to the breeding season, I would have no problem providing concurrence with a May Affect, Not Likely to Adversely Affect conclusion. I would provide that concurrence without a survey. However, if either of the projects got delayed and the let got moved to during the breeding season, a survey may be needed for concurrence.

I recommend you go ahead and send me an official request for concurrence with that conclusion. Please provide the rationale for the conclusion with your request.

Gary Jordan

Fish and Wildlife Biologist, Liaison to NCDOT

U.S. Fish and Wildlife Service

P.O. Box 33726

Raleigh, NC 27636-3726

Phone: 919-856-4520 x.32

Email: gary_jordan@fws.gov

From: Cashin, Gordon E <gcashin@ncdot.gov>
Sent: Tuesday, September 15, 2020 3:59 PM
To: Jordan, Gary <gary_jordan@fws.gov>
Cc: Rivenbark, Chris <crivenbark@ncdot.gov>
Subject: [EXTERNAL] Wood stork issues, BR-0121 and BR-0122

This email has been received from outside of DOI - Use caution before clicking on links, opening attachments, or responding.

Gary,

These two projects are located in Sampson County, where the stork has been added. Looking at the

NRTR's, both sites appear to have potential foraging habitat available, at least to me and my limited knowledge of storks. BR-0121 is located next to a vegetated pond, and BR-0122 next to a freshwater marsh wetland with a pond in the study area. GIS didn't reveal any records of stork anywhere nearby. Even had we visited during the survey window, our odds of seeing one would be remote, but it wouldn't stop one of the big white birds from dropping in ten minutes after we left. So it remains a bit of a mystery how best to address the stork. It looks like it should be May Affect - Not Likely to Adversely Affect to me, but perhaps not. Are wood storks nesting in NC now? I know they have been basing summertime operations down around Sunset Beach for some time.

BR-0121 is scheduled for letting in November, and we had covered it with a non-written NWP 3, under the assumption we had No Effect on all the species covered by the NRTR. So we will have to hustle to get it covered by a written NWP without delaying the let. BR-0122 doesn't let until January so we have more time to redo the permits. I have attached the 2 project NRTRs so you can see the maps and the habitat descriptions.

Perhaps we can talk about this Thursday? I will be in the Beaufort County tomorrow looking for T&E plants.

Gordon Cashin
(919) 749-0442

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North Carolina Department of Transportation
Highway Stormwater Program
STORMWATER MANAGEMENT PLAN
 FOR NCDOT PROJECTS



(Version 2.01; Released December 2014)

WBS Element: 67121.1.1 **TIP No.:** BR-0121 **County(ies):** Sampson **Page** 1 **of** 1

General Project Information

WBS Element:	67121.1.1	TIP Number:	BR-0121	Project Type:	Bridge Replacement	Date:	8/5/2019
NCDOT Contact:	Mason Herndon		Contractor / Designer:	Wetherill Engineering, Inc. / Jerry Lindsay			
Address:	Highway Division 3 5501 Barbados Blvd. Castle Hayne, NC 28429		Address:	1223 Jones Franklin Rd. Raleigh, NC 27606			
	Phone:	910-341-2036		Phone:	919-851-8077		
	Email:	mherndon@ncdot.gov		Email:	JLindsey@wetherilleng.com		
City/Town:	N/A		County(ies):	Sampson			
River Basin(s):	Cape Fear		CAMA County?	No			
Wetlands within Project Limits?	Yes						

Project Description

Project Length (lin. miles or feet):	0.10	Surrounding Land Use:	Rural, wooded, swampy				
Proposed Project			Existing Site				
Project Built-Up Area (ac.)	0.3	ac.	0.2	ac.			
Typical Cross Section Description:	The proposed road will be two 10' lanes with paved shoulders, variable up to 6.5' with 4:1 slopes.			Existing road consists of two 9' lanes with grass shoulders.			
Annual Avg Daily Traffic (veh/hr/day):	Design/Future:	Year:	Existing:	150	Year:	2019	
General Project Narrative: (Description of Minimization of Water Quality Impacts)	Existing drainage will be maintained. There will be no deck drains on the bridge. Bridge runoff will be intercepted at the downgrade end by drainage inlets outside of any buffers and wetlands and onto Rip Rap pads.						

Waterbody Information

Surface Water Body (1):	Sevenmile Swamp		NCDWR Stream Index No.:	18-68-1-3			
NCDWR Surface Water Classification for Water Body	Primary Classification:	Class C					
	Supplemental Classification:	Swamp Waters (Sw)					
Other Stream Classification:	None						
Impairments:	None						
Threatened/Endangered Species?	Comments:						
NRTR Stream ID:			Buffer Rules in Effect:	N/A			
Project Includes Bridge Spanning Water Body?	Yes	Deck Drains Discharge Over Buffer?	No	Dissipator Pads Provided in Buffer?			
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)							

See Sheet 1-A For Index of Sheets
 See Sheet 1-B For Conventional Symbols
 See Sheet 1C-1 TO 1C-2 For Survey Control Sheets

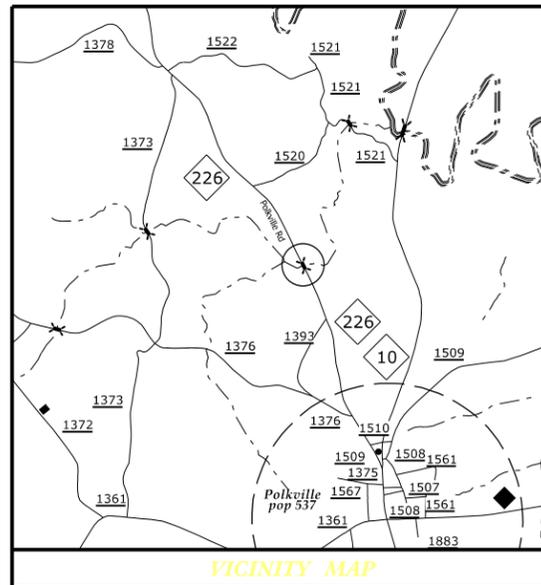
STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS

SAMPSON COUNTY

**LOCATION: BRIDGE NO. 810178 OVER SEVENMILE SWAMP
 ON SR 1804 (HOUSES MILL RD.)**

TYPE OF WORK: GRADING, DRAINAGE, PAVING & STRUCTURE

WETLAND AND SURFACE WATER IMPACTS PERMIT



STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	BR-0121	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
67121.1.1		PE	

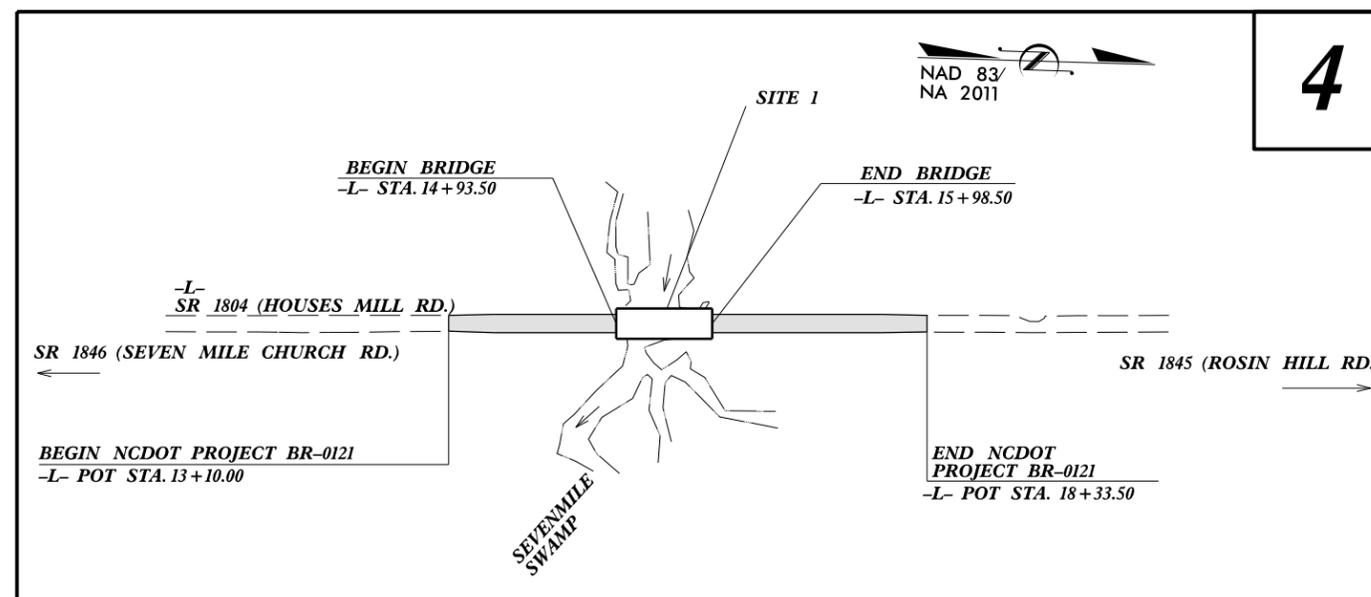


TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

BRIDGE #810178

**PERMIT DRAWING
 SHEET 1 OF 5**

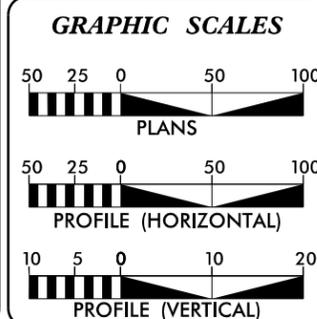
PROJECT: BR-0121



CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD III MODIFIED .
 THIS PROJECT IS NOT WITHIN ANY MUNICIPAL BOUNDARIES.

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

CONTRACT:



DESIGN DATA
 ADT 2019 = 150
 T = 6 % *
 V = 55 MPH
 * (TTST = 3% +
 DUAL = 3%)
 FUNC CLASS =
 RURAL LOCAL
 SUBREGIONAL TIER

PROJECT LENGTH

LENGTH ROADWAY PROJECT BR-0121 =	0.079 MILES
LENGTH STRUCTURE PROJECT BR-0121 =	0.020 MILES
TOTAL LENGTH PROJECT BR-0121 =	0.099 MILES

NCDOT CONTACT: **DAVID STUTTS, PE**
 PROJECT ENGINEER - PEP/PROGRAM MGT.

Prepared for:
**DIVISION OF HIGHWAYS
 STRUCTURES MANAGEMENT UNIT**
 1000 BIRCH RIDGE DRIVE RALEIGH NC, 27610

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE: **EDWARD G. WETHERILL, PE**
 PROJECT ENGINEER
 APRIL 3, 2019

LETTING DATE: **GREG S. PURVIS, PE**
 PROJECT DESIGN ENGINEER
 OCTOBER 3, 2019

HYDRAULICS ENGINEER

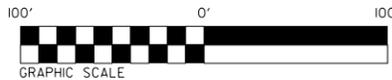
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ROADWAY DESIGN ENGINEER

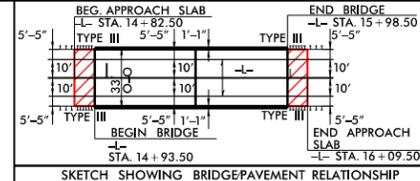
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**PERMIT DRAWING
SHEET 2 OF 5**

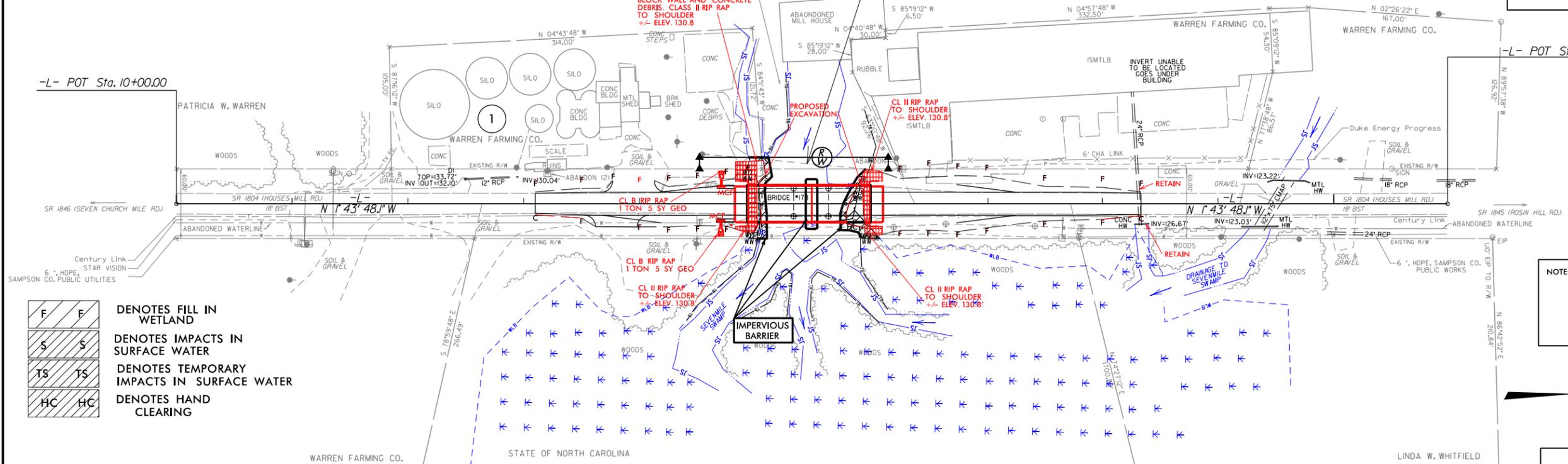


SHOULDER BERM GUTTER
FROM STA. 14+67.81 TO STA. 14+81.94 LT.
FROM STA. 14+67.81 TO STA. 14+81.94 RT.



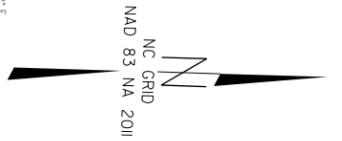
**ETHERILL
ENGINEERING**
1223 Jones Franklin Rd.
Raleigh, N.C. 27606
License No. F-0377
Bus: 919 851 8077
Fax: 919 851 8107

PROJECT REFERENCE NO. <i>BR-0121</i>	SHEET NO. 4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

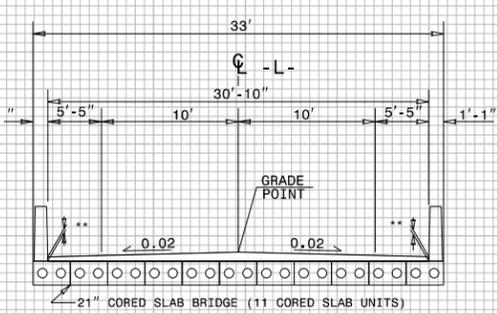
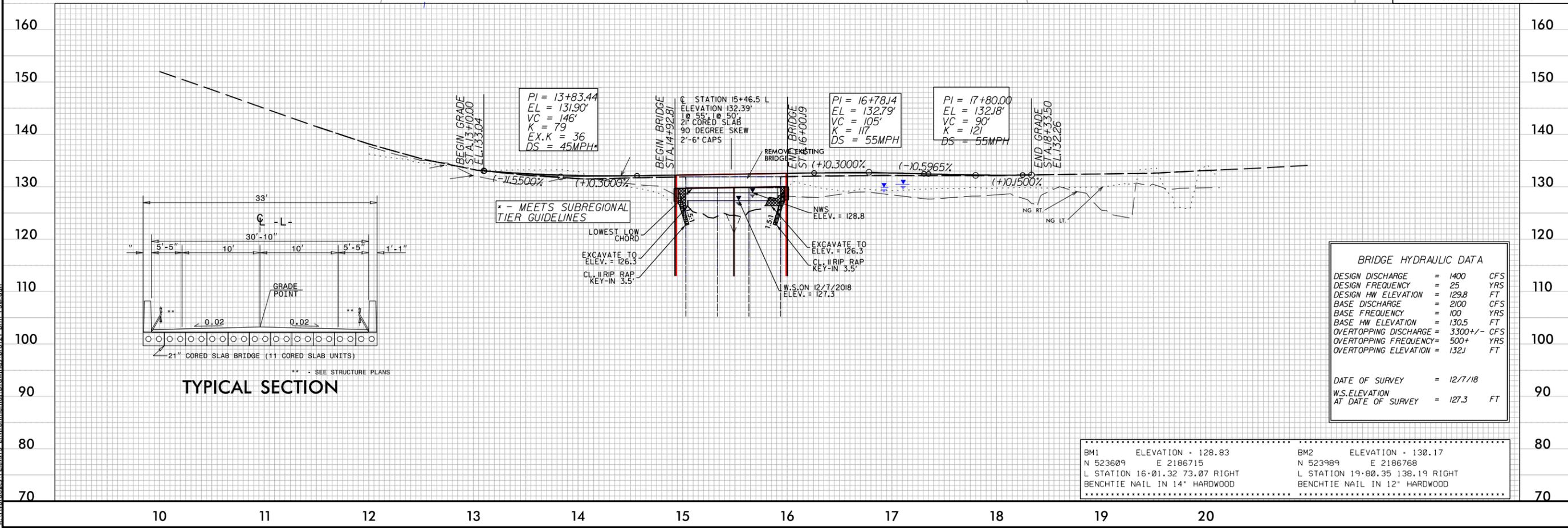


- DENOTES FILL IN WETLAND
- DENOTES IMPACTS IN SURFACE WATER
- DENOTES TEMPORARY IMPACTS IN SURFACE WATER
- DENOTES HAND CLEARING

NOTE: EXCAVATION BELOW ORDINARY HW CANNOT BE AVOIDED. EXCAVATION REQUIRED TO INSTALL END BENT CAPS. CAPS ARE THE MINIMUM 2'-6" DEPTH. GRADE CANNOT BE RAISED DUE TO IMPACT TO BUILDING ON WEST SIDE AND IMPACT TO MITIGATION SITE/WETLAND ON EAST SIDE.



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



TYPICAL SECTION

BRIDGE HYDRAULIC DATA	
DESIGN DISCHARGE	= 1400 CFS
DESIGN FREQUENCY	= 25 YRS
DESIGN HW ELEVATION	= 129.8 FT
BASE DISCHARGE	= 2100 CFS
BASE FREQUENCY	= 100 YRS
BASE HW ELEVATION	= 130.5 FT
OVERTOPPING DISCHARGE	= 3300 +/- CFS
OVERTOPPING FREQUENCY	= 500+ YRS
OVERTOPPING ELEVATION	= 132.1 FT
DATE OF SURVEY	= 12/7/18
W.S. ELEVATION AT DATE OF SURVEY	= 127.3 FT

BM1 ELEVATION = 128.83	BM2 ELEVATION = 130.17
N 523609 E 2186715	N 523989 E 2186768
L STATION 16+01.32 73.07 RIGHT	L STATION 19+80.35 138.19 RIGHT
BENCHTIE NAIL IN 14" HARDWOOD	BENCHTIE NAIL IN 12" HARDWOOD

REVISIONS

8/17/99
10/2019
F:Brooks
R:Hydraulics:PERMITS Environmental Drawings:0121.dwg PSH:gdw

8/23/99

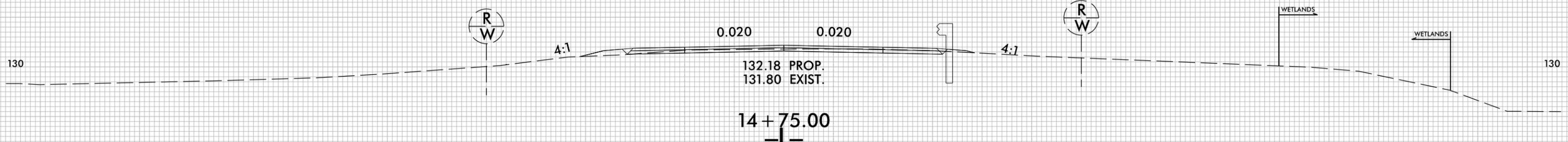
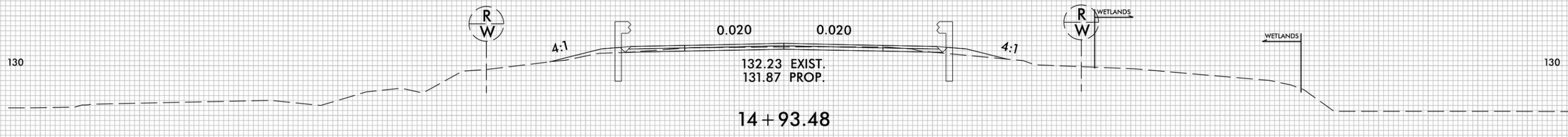
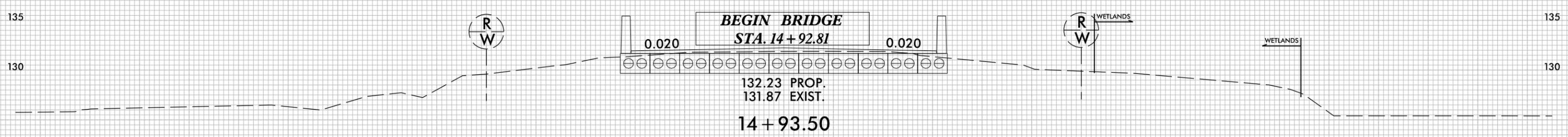
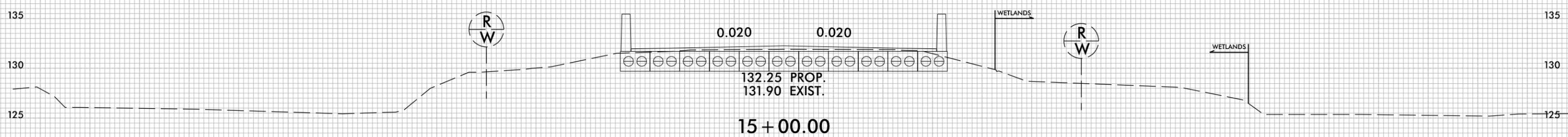
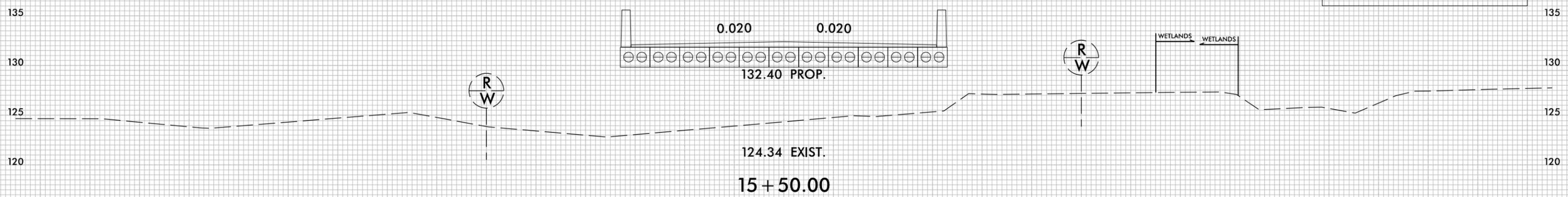


PROJ. REFERENCE NO.
BR-0121

SHEET NO.
X-2

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BRIDGE #810178
PERMIT DRAWING
SHEET 4 OF 5



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8/27/2019
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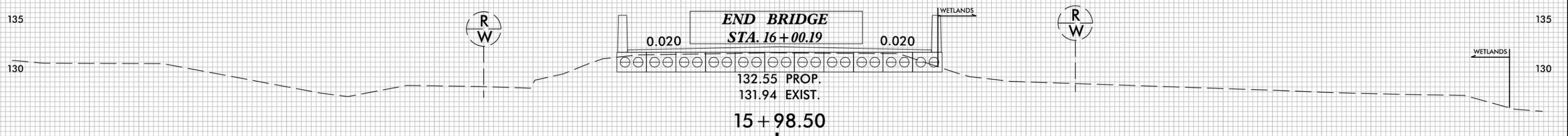
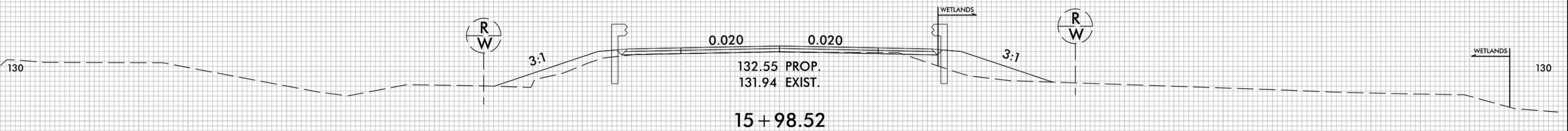
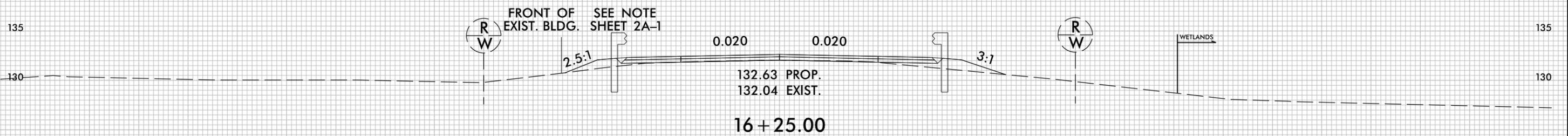
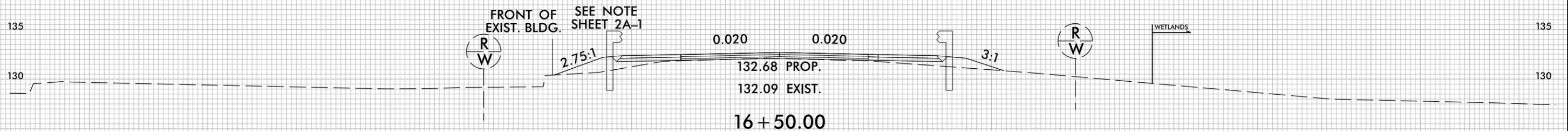
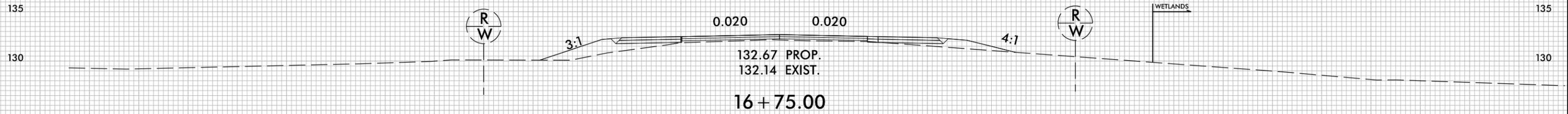
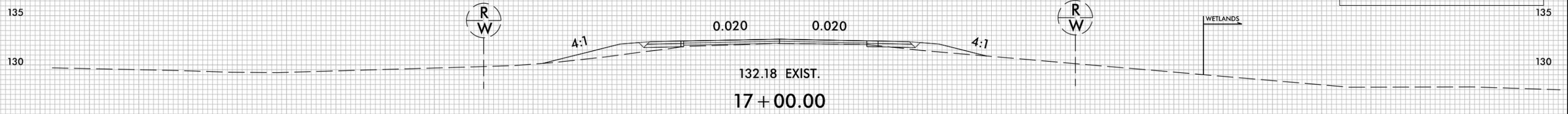
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PROJ. REFERENCE NO. BR-0121 SHEET NO. X-3

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BRIDGE #810178
PERMIT DRAWING
SHEET 4A OF 5



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