



North Carolina Department of Transportation

Highway Stormwater Program  
STORMWATER MANAGEMENT PLAN

FOR NCDOT PROJECTS



(Version 2.08; Released April 2018)

WBS Element: 48819.1.1      TIP No.: BR-0110      County(ies): Beaufort      Page 1 of 1

General Project Information

WBS Element:	48819.1.1	TIP Number:	BR-0110	Project Type:	Bridge Replacement	Date:	9/23/2019
NCDOT Contact:	David Stutts, PE		Contractor / Designer:	Kisinger Campo & Associates			
Address:	1000 Birch Ridge Drive Raleigh, North Carolina 27610		Address:	301 Fayetteville St., Suite 1500 Raleigh, NC 27604			
	Phone:	(919) 707-6400		Phone:	(919) 822-7839		
	Email:	<a href="mailto:dstutts@ncdot.gov">dstutts@ncdot.gov</a>		Email:	<a href="mailto:nking@kcaeng.com">nking@kcaeng.com</a>		
City/Town:	Chocowinity		County(ies):	Beaufort			
River Basin(s):	Tar-Pamlico		CAMA County?	Yes			
Wetlands within Project Limits?	Yes						

Project Description

Project Length (lin. miles or feet):	510 ft.	Surrounding Land Use:	Mostly agricultural, with a high school to the east of the bridge location.					
	Proposed Project		Existing Site					
Project Built-Upon Area (ac.)	0.3 ac.		0.3 ac.					
Typical Cross Section Description:	The proposed typical section on either side of the bridge will be normal crown with cross slope of 0.02, and consist of two 11' lanes with 2' paved shoulder and 3:1 side slopes to existing ground. The bridge typical section will be supered towards RT with a 0.04 cross slope, and consist of two 11' lanes with 4'-5" shoulder.			Existing roadways consists of two 11' lanes, with 3' unpaved shoulders.				
Annual Avg Daily Traffic (veh/hr/day):	Design/Future:	610	Year:	2016	Existing:	610	Year:	2016
General Project Narrative: (Description of Minimization of Water Quality Impacts)	The project consists of improving roadway approaches as well as replacing the existing bridge. Existing drainage systems within the project limits will be analyzed for impacts. All existing drainage systems impacted by the proposed bridge replacement will be replaced with a proposed drainage system. Proposed drainage will be designed to maintain the same drainage patterns as the existing condition.							

Waterbody Information

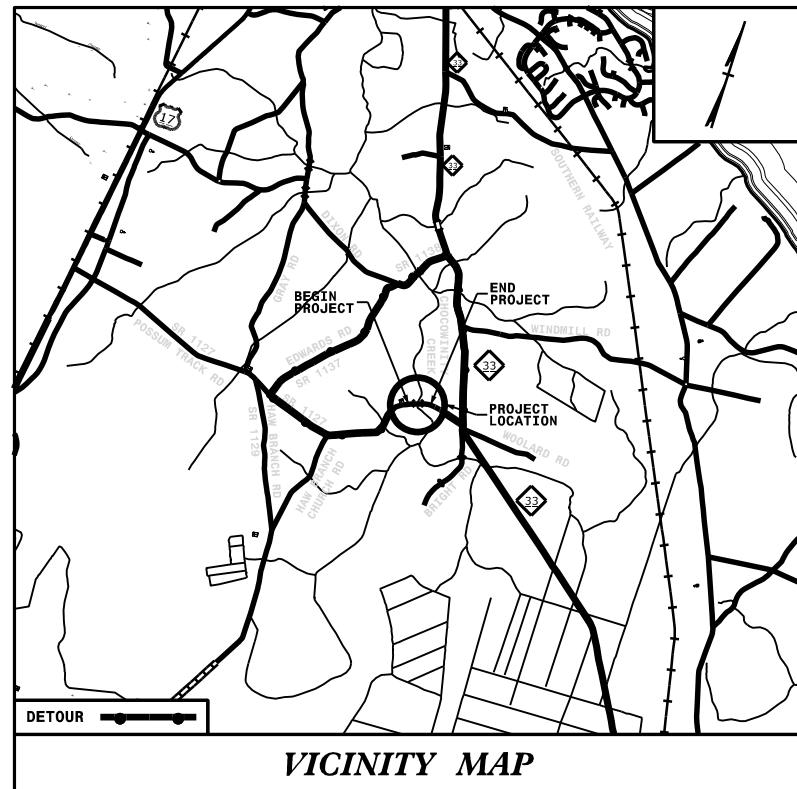
Surface Water Body (1):	Chocowinity Creek		NCDWR Stream Index No.:	29-6-2-1-(1)			
NCDWR Surface Water Classification for Water Body	Primary Classification:	Class C					
	Supplemental Classification:	Swamp Waters (Sw) (NSW)					
Other Stream Classification:							
Impairments:							
Aquatic T&E Species?	Comments:						
NRTR Stream ID:	N/A		Buffer Rules in Effect:	Tar-Pamlico			
Project Includes Bridge Spanning Water Body?	Yes	Deck Drains Discharge Over Buffer?	No	Dissipator Pads Provided in 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)							

09/08/19

See Sheet 1A For Index of Sheets

20\_SEP\_2019\_09:56 G:\4201720.XX\_SMU-Build\Grant\BR-0110\_D2\_Beaufort\72\Hydraulics\CADD\PSH\BR-0110\_Hyd\_tsh\_PERMITS.dgn jmcneulty AT KCA0787

**TIP PROJECT: BR-0110**



VICINITY MAP

90% PLANS

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS  
**BEAUFORT COUNTY**

**LOCATION: BRIDGE 060072 ON SR 1127 (POSSUM TRACK RD)  
OVER CHOCOWINITY CREEK**

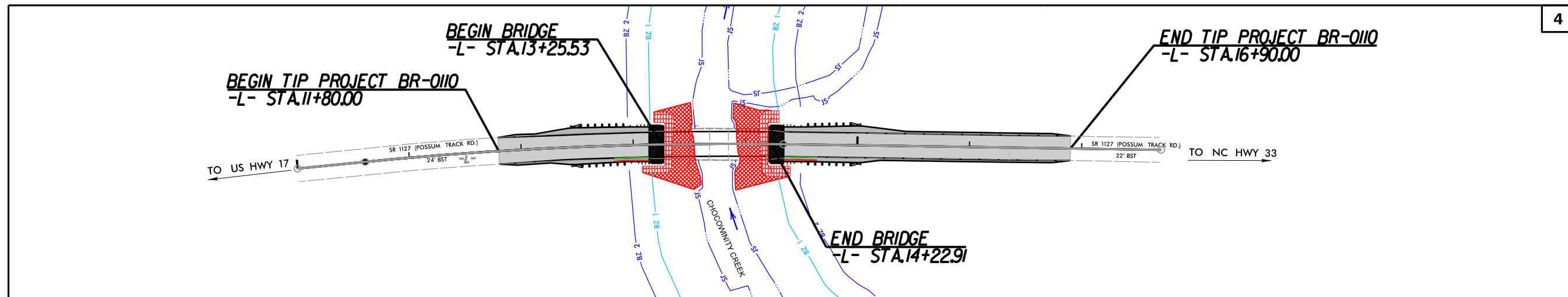
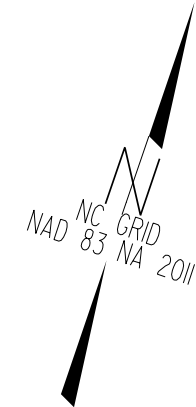
**TYPE OF WORK: GRADING, DRAINAGE, PAVING AND STRUCTURE**



STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	BR-0110	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
48819.1.1	N/A	PE	
48819.2.1	N/A	RW, UTILITIES	
48819.3.1	N/A	CONSTRUCTION	

WETLAND &  
STREAM IMPACTS  
9/23/2019

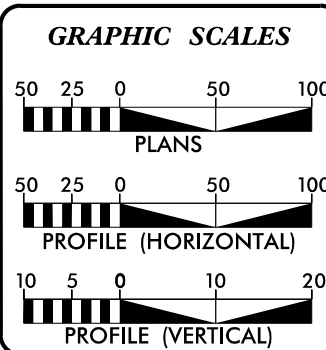
PERMIT DRAWING  
SHEET 1 OF 9



THIS IS NOT A CONTROL OF ACCESS PROJECT.

**PRELIMINARY PLANS**    DOCUMENT NOT CONSIDERED FINAL  
DO NOT USE FOR CONSTRUCTION    UNLESS ALL SIGNATURES COMPLETED

**CONTRACT:**



**DESIGN DATA**

ADT 2016 =	610
V =	55 MPH
T =	6%*
(*TTST 3% +	DUALS 3%)
FUNC CLASS =	LOCAL RURAL
SUB-REGIONAL TIER	

**PROJECT LENGTH**

LENGTH ROADWAY TIP PROJECT BR-0110	=	0.078 MILES
LENGTH STRUCTURES TIP PROJECT BR-0110	=	0.018 MILES
TOTAL LENGTH TIP PROJECT BR-0110	=	0.096 MILES

**NCDOT CONTACT:**    DAVID STUTTS, PE  
SMU PROJECT MANAGER

Prepared In the Office of:

**KCA**  
KISINGER CAMPO & ASSOCIATES

NC FIRM LICENSE No: C-1506  
301 Fayetteville St.,  
Suite 1500  
Raleigh, NC 27601  
(919)882-7839

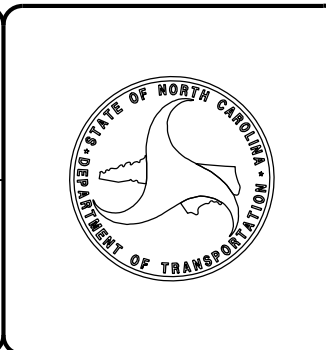
2018 STANDARD SPECIFICATIONS	
<b>RIGHT OF WAY DATE:</b> 8/21/2019	<b>JONATHAN LANGSTON, PE</b> PROJECT ENGINEER
<b>LETTING DATE:</b> 02/12/2020	<b>JASON DEBONE</b> PROJECT DESIGN ENGINEER

**HYDRAULICS ENGINEER**

\_\_\_\_\_  
SIGNATURE: P.E.

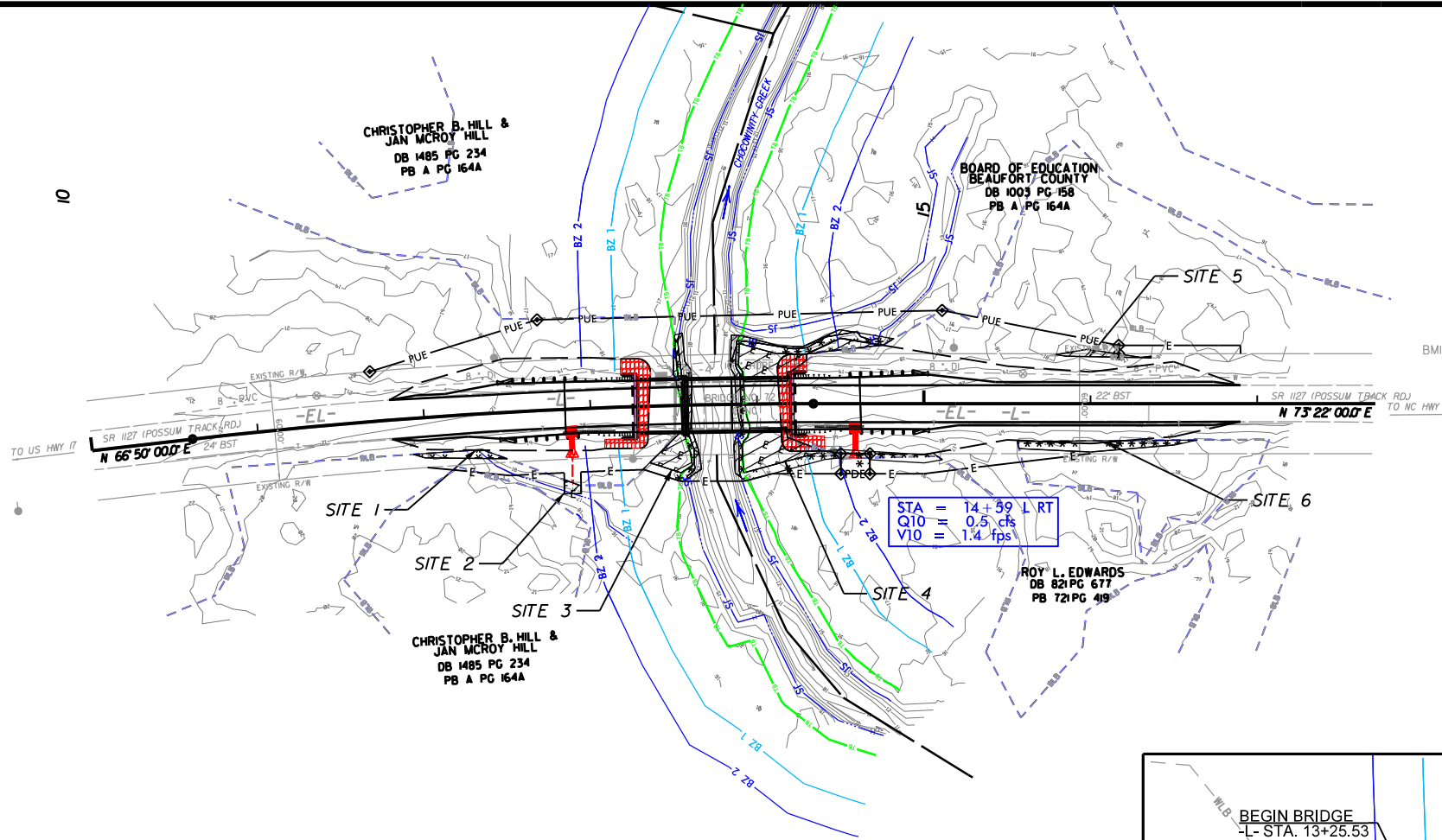
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8/17/99

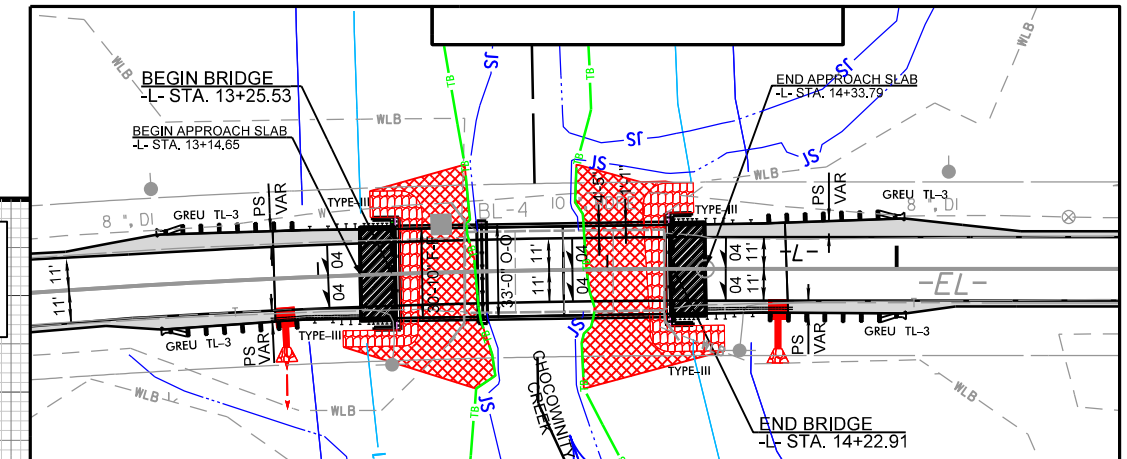
-L-  
 PI Sta 12+47.43  
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 $D = 1' 45'' 00.0''$   
 $L = 373.33'$   
 $T = 186.87'$   
 $R = 3,274.04'$   
 $SE = 4\%$   
 $RO = 96'$



- DENOTES FILL IN WETLAND
- DENOTES EXCAVATION IN WETLAND
- DENOTES TEMPORARY IMPACTS IN SURFACE WATER
- DENOTES MECHANIZED CLEARING

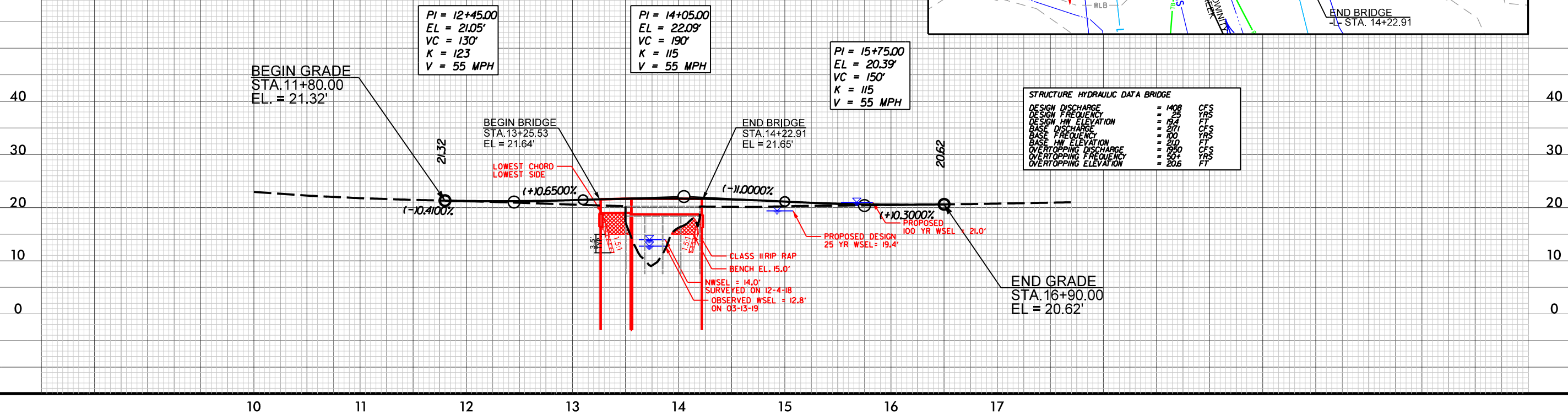
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<b>PRELIMINARY PLANS</b> DO NOT USE FOR CONSTRUCTION	
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PERMIT DRAWING  
 SHEET 2 OF 9



-L- SR 1127 (OVER CHOCOWINITY CREEK)

BMI  
 -BL- STA. 14+04.00, 18' LT  
 -L- STA. 17+70.84, 32.7' LT  
 EL = 20.08  
 BRIDGE SPIKE SET IN POWER POLE

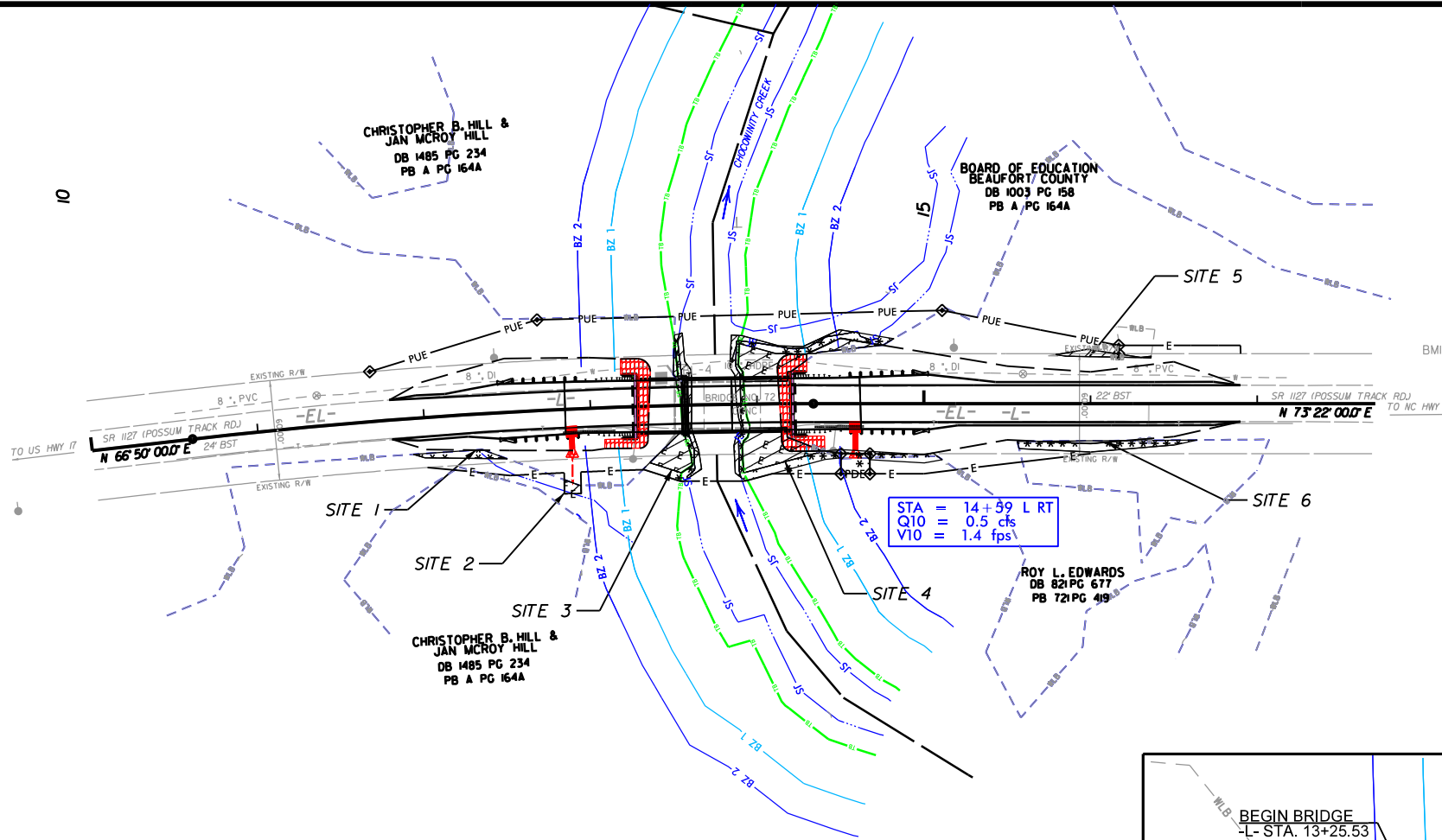


REVISIONS

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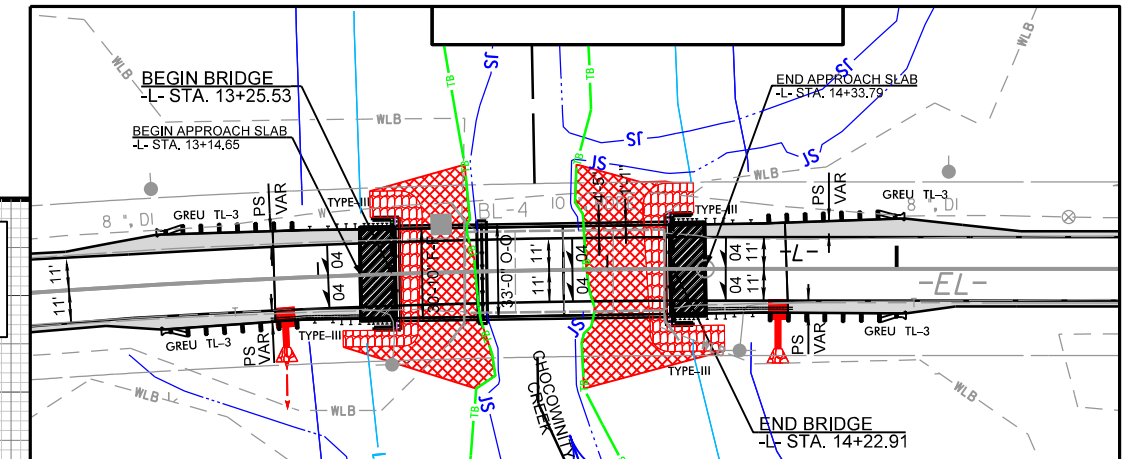
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 PI Sta 12+47.43  
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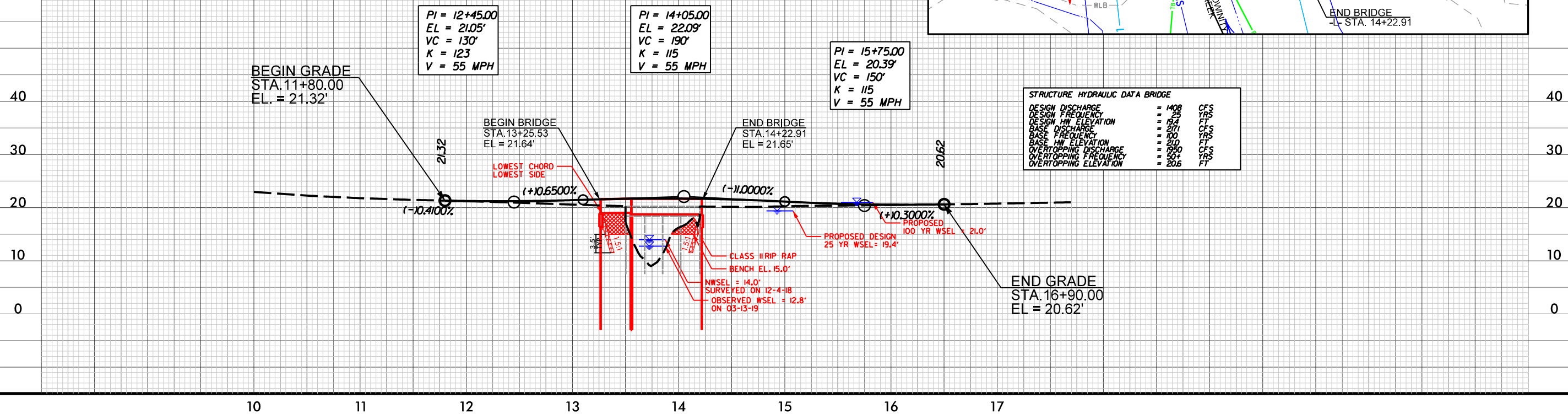
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R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
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PERMIT DRAWING SHEET 3 OF 9



-L- SR 1127 (OVER CHOCOWINITY CREEK)

BMI  
 -BL- STA. 14+04.00, 18' LT  
 -L- STA. 17+70.84, 32.7' LT  
 EL = 20.08  
 BRIDGE SPIKE SET IN POWER POLE



REVISIONS

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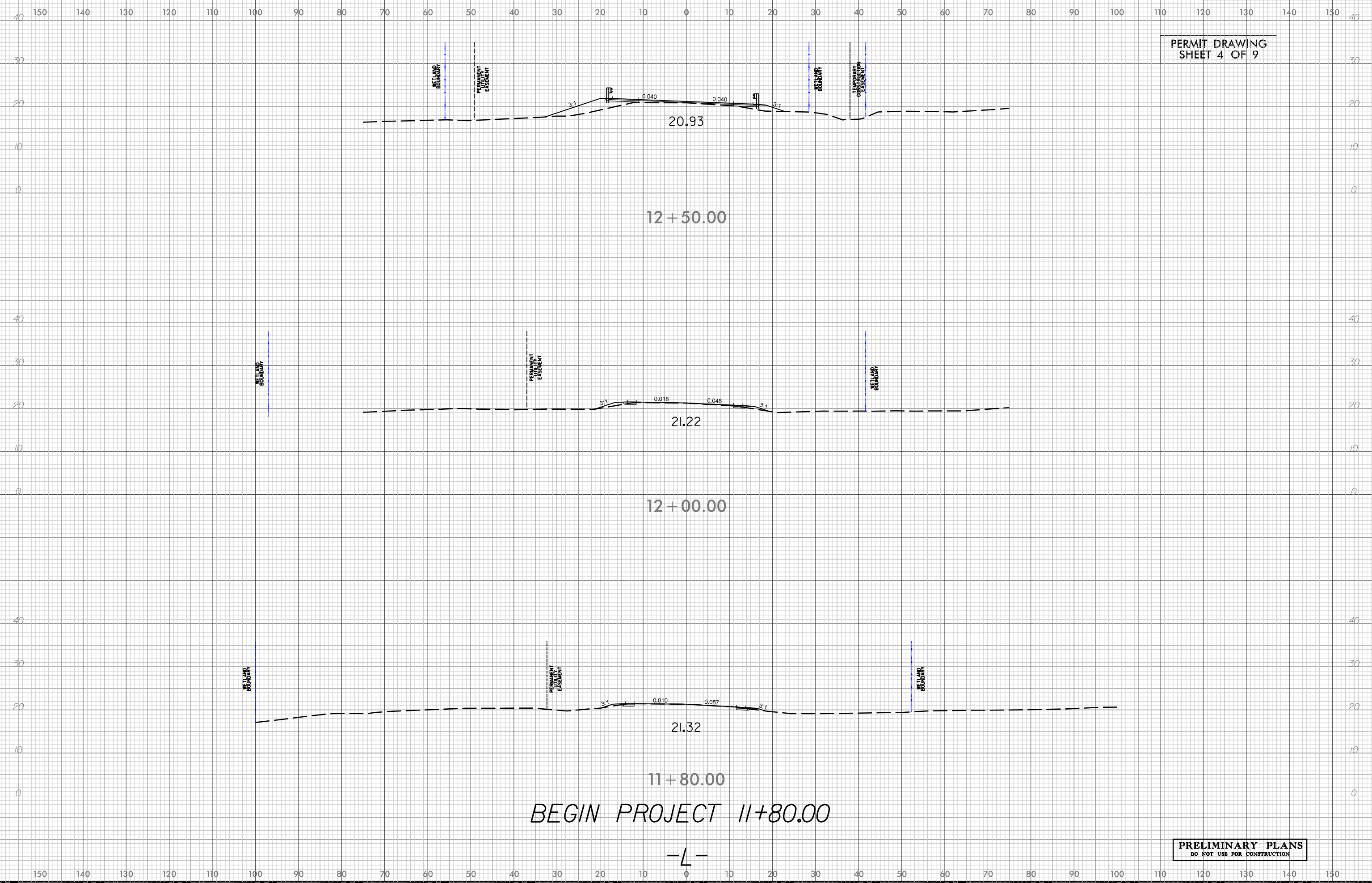
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501 Fayetteville Street, Suite 1500  
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(919) 840-7500



PROJ. REFERENCE NO.  
**BR-0110**

SHEET NO.  
**X-1**

PERMIT DRAWING  
SHEET 4 OF 9



12 + 50.00

12 + 00.00

11 + 80.00

BEGIN PROJECT 11+80.00

PRELIMINARY PLANS  
DO NOT USE FOR CONSTRUCTION

6/23/16

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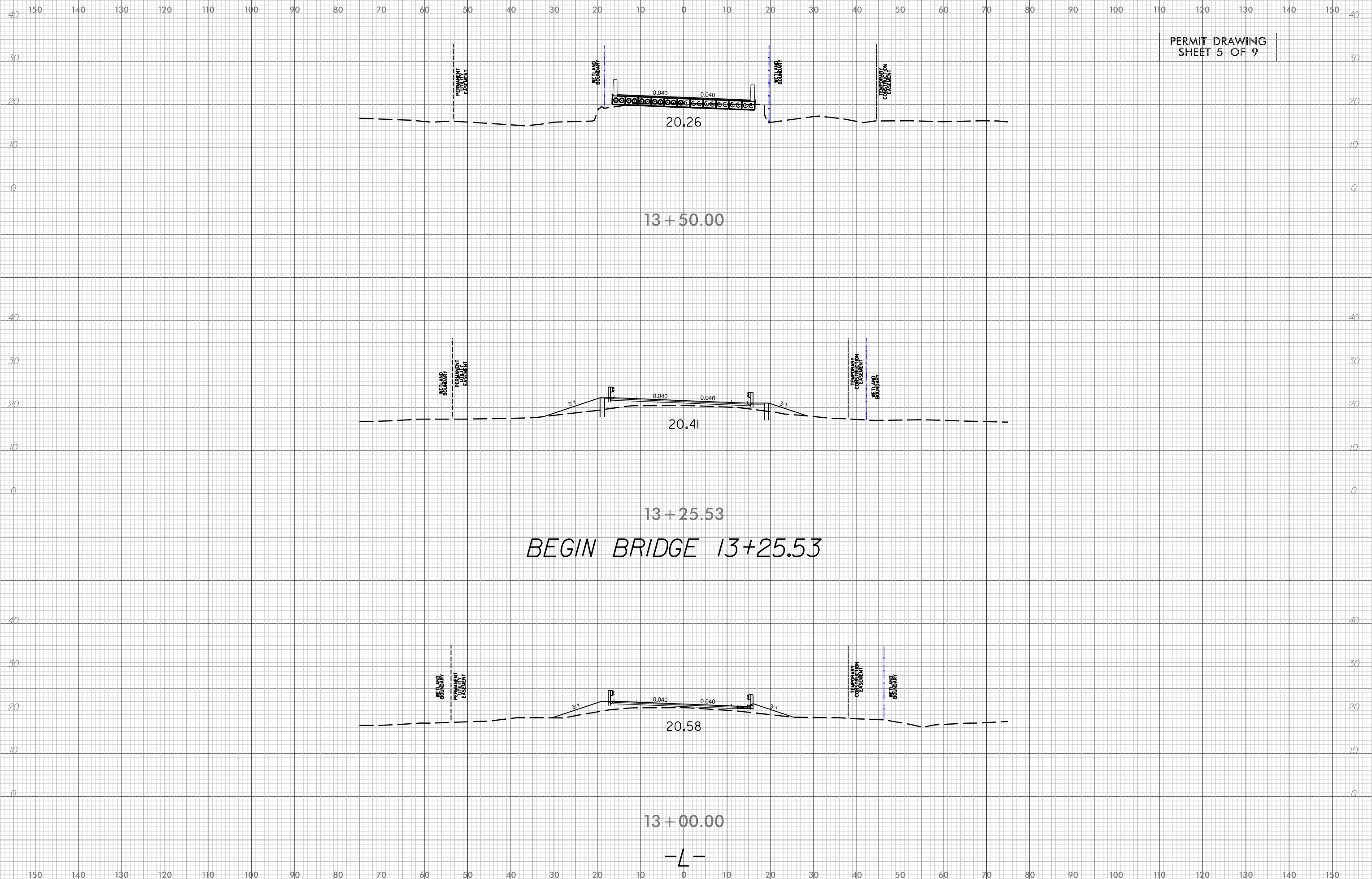
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PROJ. REFERENCE NO.  
BR-0110

SHEET NO.  
X-2

PERMIT DRAWING  
SHEET 5 OF 9



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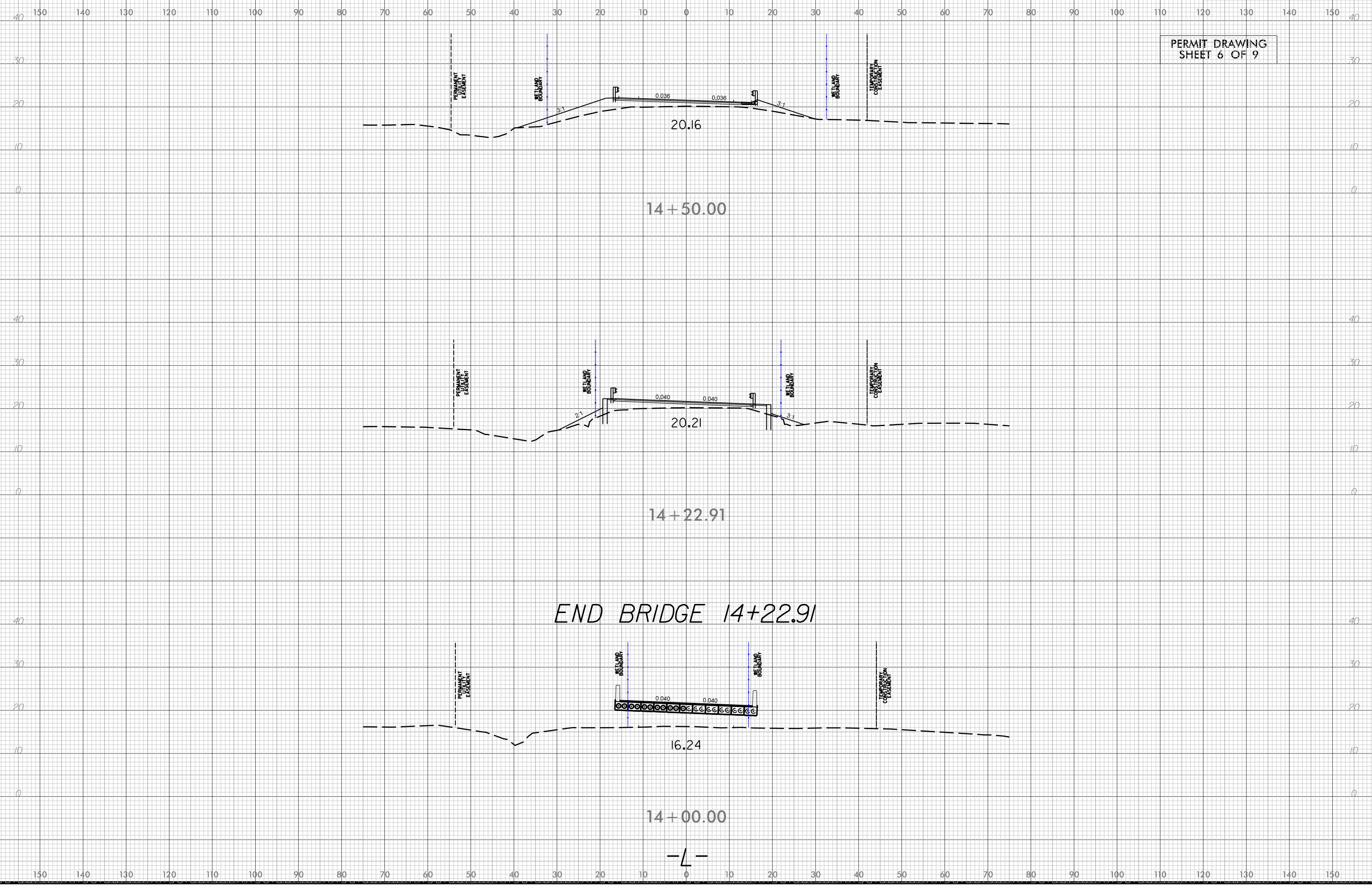
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PROJ. REFERENCE NO.  
BR-0110

SHEET NO.  
X-3

PERMIT DRAWING  
SHEET 6 OF 9



END BRIDGE 14+22.91

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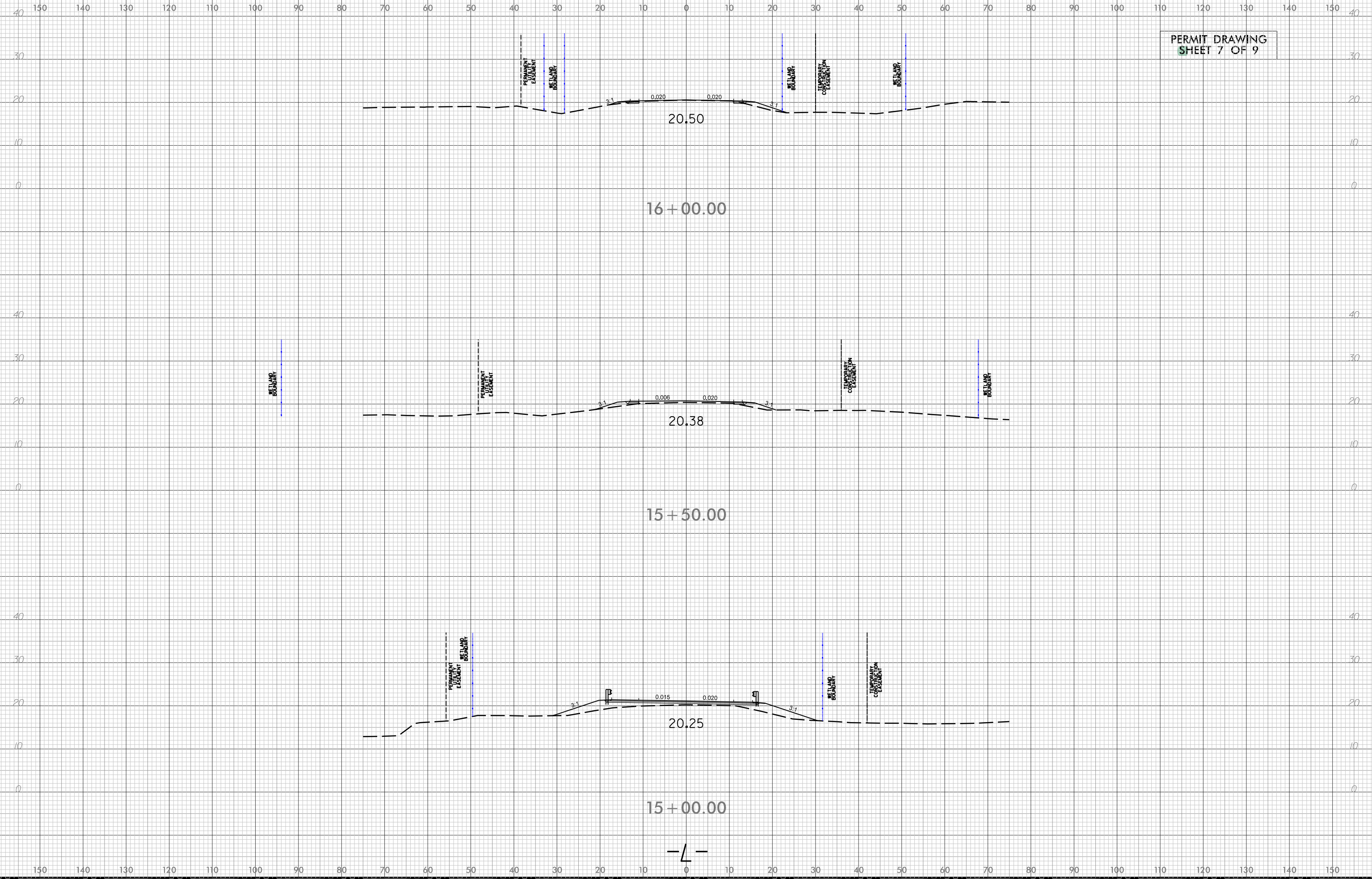
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PROJ. REFERENCE NO.  
**BR-0110**

SHEET NO.  
**X-4**

PERMIT DRAWING  
SHEET 7 OF 9



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6/23/16

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NO. 1786 LICENSE No. C-1006  
301 Fayetteville Street, Suite 1800  
Raleigh, NC 27601  
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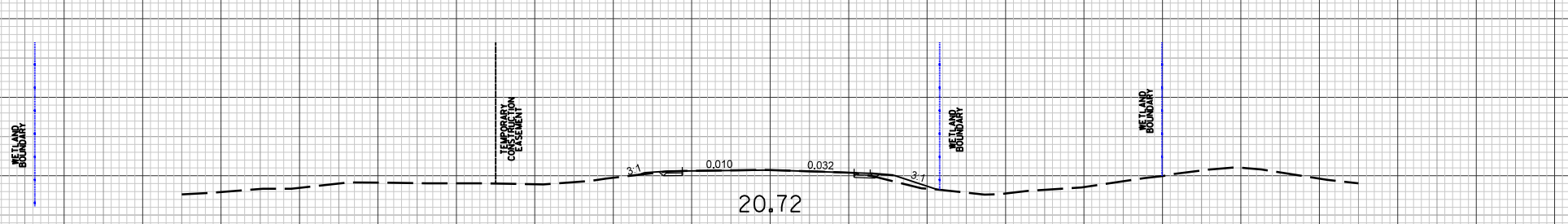
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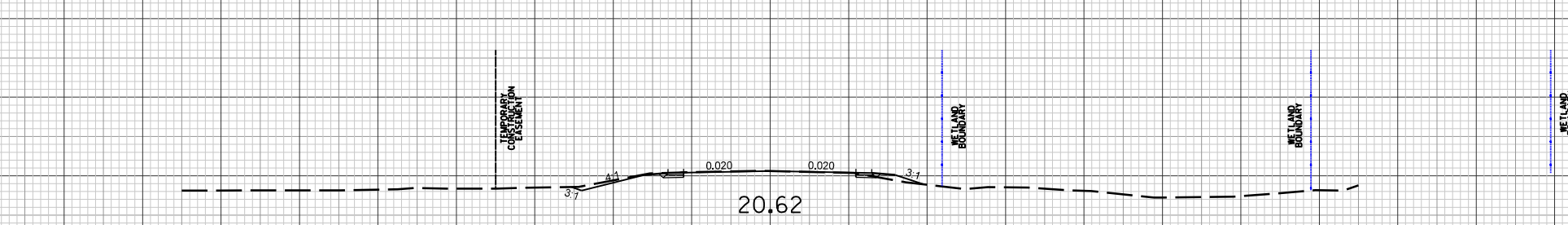
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PERMIT DRAWING  
SHEET 8 OF 9

END PROJECT 16+90.00



16+90.00



16+50.00

-L-

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