

# Project Submittal Interim Form

Updated June 20, 2017



*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: \***
- ☐ New Project
  - ☐ New Project with Existing ID
  - ☐ Pre-Application Submittal
  - ☒ More Information Response
  - ☐ Other Agency Comments
  - ☐ For the Record Only (Courtesy Copy)
  - ☐ Stream or Buffer Appeal

**Is this supplemental information that needs to be sent to the Corps? \***

- ☒ Yes ☐ No

**New Project** - Please check the new project type if you are trying to submit a new project that needs an official approval decision.

**Pre-Application Submittal** - Please check the pre-application submittal if you just want feedback on your submittal and do not have the expectation that your submittal will be considered a complete application requiring a formal decision.

**More Information Response** - Please check this type if you are responding to a request for information from staff and you have an ID# and version for this response.

**Other Agency Comments** - Please check this if you are submitting comments on an existing project.

## Project Contact Information

**Name:** NCDOT  
*Who is submitting the information?*

**Email Address: \*** jldilday@ncdot.gov

## Project Information

**Existing ID #: \*** 20191454  
*20170001 (no dashes)*

**Existing Version: \*** 1

**Project Name: \*** Bridge 11 on NC111/122 over Town Creek, Edgecombe County

**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

**TIP#:**

B-5655

**WBS#:**

45610.1.1

(Applies to DOT projects only)

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**County (ies) \***

Edgecombe

**Please upload all files that need to be submitted.**

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

20200401\_Environmental\_Permit\_Plans.pdf

5.25MB

Only pdf or kmz files are accepted.

**Describe the attachments:**

Modification request for causeway and access for temporary causeway to remove existing interior bents. Causeway and access will result in <0.01 acre of temporary wetland impact and 0.10 acre of temporary surface water impact. There are no additional buffer impacts with this modification.

\* ☒ By checking the box and signing box below, I certify that:

- I have given true, accurate, and complete information on this form;
- I agree that submission of this 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: \***





Mack C. Riverbank, III

**Submittal Date:**

4/6/2020

Is filled in automatically once submitted.

 <div style="text-align: center;"> <b>North Carolina Department of Transportation</b>  <b>Highway Stormwater Program</b>  <b>STORMWATER MANAGEMENT PLAN</b>  <b>FOR NCDOT PROJECTS</b> </div> 									
(Version 2.07; Released October 2016)									
<b>WBS Element:</b> 45610.1.1		<b>TIP No.:</b> B-5655		<b>County(ies):</b> Edgecombe			<b>Page</b> 1 <b>of</b> 2		
<b>General Project Information</b>									
<b>WBS Element:</b>		45610.1.1		<b>TIP Number:</b> B-5655		<b>Project Type:</b> Bridge Replacement		<b>Date:</b> 3/31/2020	
<b>NCDOT Contact:</b>		Tierre Peterson				<b>Contractor / Designer:</b>		Leah Young, PE	
	<b>Address:</b>	1000 Birch Ridge Dr Raleigh, NC 27610					<b>Address:</b>	4505 Falls of Neuse Road Suite 400 Raleigh, NC 27609	
	<b>Phone:</b>	(919) 707-6488					<b>Phone:</b>	(919) 783-9214	
	<b>Email:</b>	trpeterson@ncdot.gov					<b>Email:</b>	Leah.Young@kci.com	
<b>City/Town:</b>		None				<b>County(ies):</b>		Edgecombe	
<b>River Basin(s):</b>		Tar-Pamlico				<b>CAMA County?</b>		No	
<b>Wetlands within Project Limits?</b>		Yes							
<b>Project Description</b>									
<b>Project Length (lin. miles or feet):</b>		0.21		<b>Surrounding Land Use:</b>		Woods/rural residential			
<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"><b>Proposed Project</b></div> <div style="width: 48%;"><b>Existing Site</b></div> </div>									
<b>Project Built-Upon Area (ac.)</b>		1.0 ac.				0.9 ac.			
<b>Typical Cross Section Description:</b>		12' TRAVEL LANES WITH 4' PAVED SHOULDER AT BRIDGE; 35.25' OUT TO OUT				APPROXIMATE 10' TRAVEL LANES WITH 2' PAVED SHOULDER			
<b>Annual Avg Daily Traffic (veh/hr/day):</b>		<b>Design/Future:</b> 6900		<b>Year:</b> 2040		<b>Existing:</b> 5075		<b>Year:</b> 2020	
<b>General Project Narrative: (Description of Minimization of Water Quality Impacts)</b>		<p>This project will replace Edgecombe County Bridge #0011 and its approaches. The proposed replacement is 215' long with a clear roadway width of 32'. This structure provides 2-12' travel lanes with a 4' paved shoulder. The proposed bridge will have 1.5:1 sloping riprap abutments and 4' caps at the end bents. Placement and construction of the proposed bridge, end bents, caps, and associated roadway fill will not result in any jurisdictional stream or similar impacts. There will be no permanent channel changes. There are wetlands present on this site within the proposed limits of construction. The construction of the temporary causeway, removal of the existing structure, excavation under the bridge, and placement of riprap for bank stabilization, results in 98 linear feet of temporary surface water impacts (0.1 acres of temporary surface water impacts). The wetland excavation and clearing due to the proposed work results in a total of 0.03 acres of impact. There is also &lt;0.01 acres of impact due to temporary fill in wetlands. There are 30' and 50' buffer zones present outside of the existing stream. In buffer zone one, there is a total of 11,343 square feet of allowable impacts. In buffer zone two, there is a total of 5,398 square feet of allowable impacts. There is a riprap pad in the west quadrant that discharges into buffer zone 2 at non-erosive velocities. STORMWATER CONTROLS: The proposed bridge does not require deck drains. The runoff from the bridge discharges through pipe/inlet systems in all four quadrants outside of the jurisdictional stream at non-erosive velocities. In all bridge quadrants, roadway runoff is treated via vegetated roadway shoulders and existing vegetated swales prior to entering the stream.</p>							
<b>Waterbody Information</b>									
<b>Surface Water Body (1):</b>		Town Creek				<b>NCDWR Stream Index No.:</b>		28-83b	
<b>NCDWR Surface Water Classification for Water Body</b>				<b>Primary Classification:</b>		Class C			
				<b>Supplemental Classification:</b>		Nutrient Sensitive Waters (NSW)			
<b>Other Stream Classification:</b>		None							
<b>Impairments:</b>		None							
<b>Aquatic T&amp;E Species?</b>		Yes		Comments: ANADROMOUS FISH					
<b>NRTR Stream ID:</b>		N/A				<b>Buffer Rules in Effect:</b>		Tar-Pamlico	
<b>Project Includes Bridge Spanning Water Body?</b>		Yes		<b>Deck Drains Discharge Over Buffer?</b>		No		<b>Dissipator Pads Provided in Buffer?</b>	
<b>Deck Drains Discharge Over Water Body?</b>		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)									



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



(Version 2.07; Released October 2016)

**WBS Element:**

**TIP No.: B-5655**

**County(ies):** Edgecombe

Page 2 of 2

## Preformed Scour Holes and Energy Dissipators

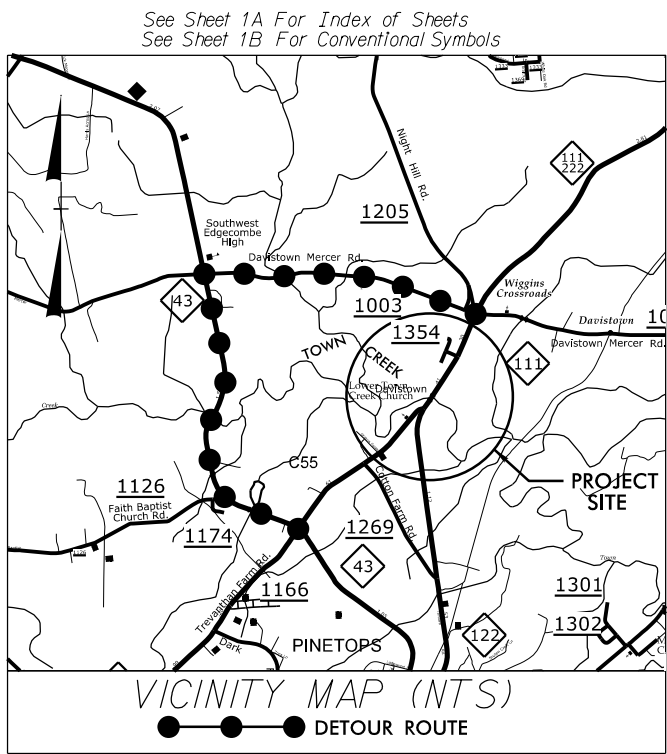
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### Additional Comments

Buffer Zones present within limits of project. See Buffer Permit Plans.

\* Refer to the NCDOT Best Management Practices Toolbox (2014), NCDOT Standards, the Federal Highway Administration (FHWA) Hydraulic Engineering Circular No. 14 (HEC-14), Third Edition, Hydraulic Design of Energy Dissipators for Culverts and Channels (July 2006), as applicable, for design guidance and criteria.

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	<b>B-5655</b>	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
45610.1.1		P.E.	
45610.2.1		ROW/UTIL.	
45610.3.1		CONSTR.	



STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

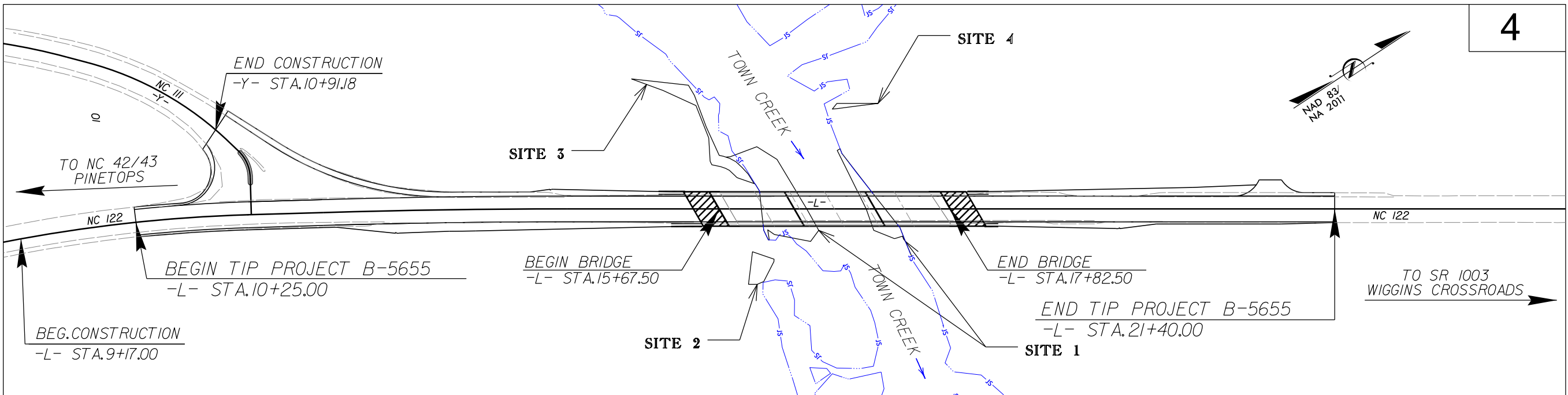
PERMIT DRAWING  
SHEET 1 OF 14

**EDGECOMBE COUNTY**

LOCATION: REPLACE BRIDGE NO. 11 OVER  
TOWN CREEK ON NC 111/ NC 122

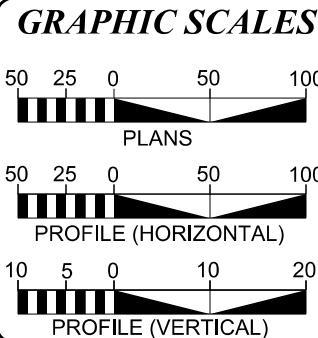
TYPE OF WORK: GRADING, DRAINAGE, PAVING AND STRUCTURE

**WETLAND AND STREAM  
IMPACTS**



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

CONTRACT:



**DESIGN DATA**

ADT 2020 = 5075  
ADT 2040 = 6900  
K = 10 %  
D = 55 %  
T = 4 %  
V = 60 MPH  
\* (TTST = 2% + DUAL 2%)  
FUNC CLASS = MAJOR COLLECTOR  
REGIONAL TIER

**PROJECT LENGTH**

LENGTH OF ROADWAY TIP PROJECT B-5655 = .170 MILES  
LENGTH OF STRUCTURE TIP PROJECT B-5655 = .041 MILES  
TOTAL LENGTH OF TIP PROJECT B-5655 = .211 MILES

Prepared in the Office of:  
KCI Associates of N.C., P.A.  
4505 Falls of Neuse Road, Suite 400  
Raleigh, NC 27609  
Phone (919) 783-9214  
Fax (919) 783-9266

Plans Prepared For:  
DIVISION OF HIGHWAYS  
1000 Birch Ridge Dr.  
Raleigh NC, 27610

2018 STANDARD SPECIFICATIONS

**RIGHT OF WAY DATE:**  
OCTOBER 30, 2019

**LETTING DATE:**  
MAY 19, 2020

**NCDOT CONTACT:**

DEWAYNE L. SYKES, P.E.  
PROJECT ENGINEER

BRYAN E. HOUGH, P.E.  
PROJECT DESIGN ENGINEER

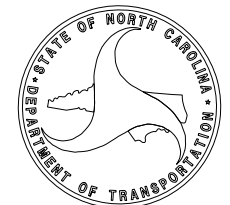
DAVID STUTTS, P.E.  
STRUCTURES MANAGEMENT UNIT

**HYDRAULICS ENGINEER**

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




**ROADWAY DESIGN ENGINEER**

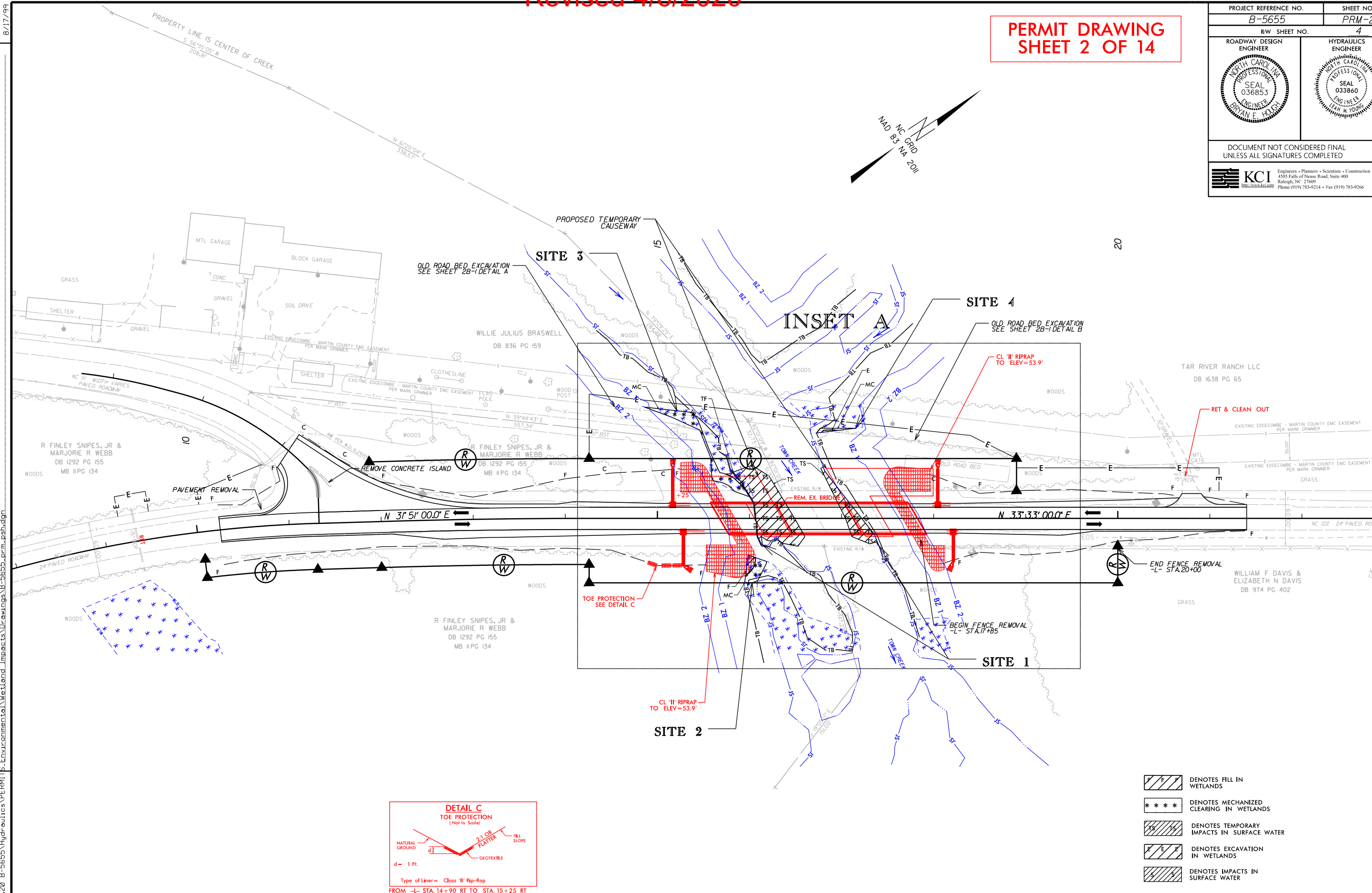
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~~Revised 4/6/2020~~

PERMIT DRAWING  
SHEET 2 OF 14

PROJECT REFERENCE NO.		SHEET NO.	
B-5655		PRM-2	
RW SHEET NO. 4			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
			
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
		Engineers • Planners • Scientists • Construction Managers 4505 Falls of Neuse Road, Suite 400 Raleigh, NC 27609 Phone (919) 783-9214 • Fax (919) 783-9266	






FOR -L- PROFILE SEE SHEET 5  
FOR -Y- PROFILE SEE SHEET 5  
FOR STRUCTURE PLANS SEE SHEETS S-1 TO S-29

4/1/2020  
C:\Users\251801945\OneDrive\Environmental\Wetland Impacts\Drawings\B-5655\_prm.psh.dgn  
Zachery Sheldon  
8/17/99



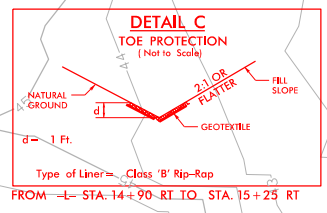
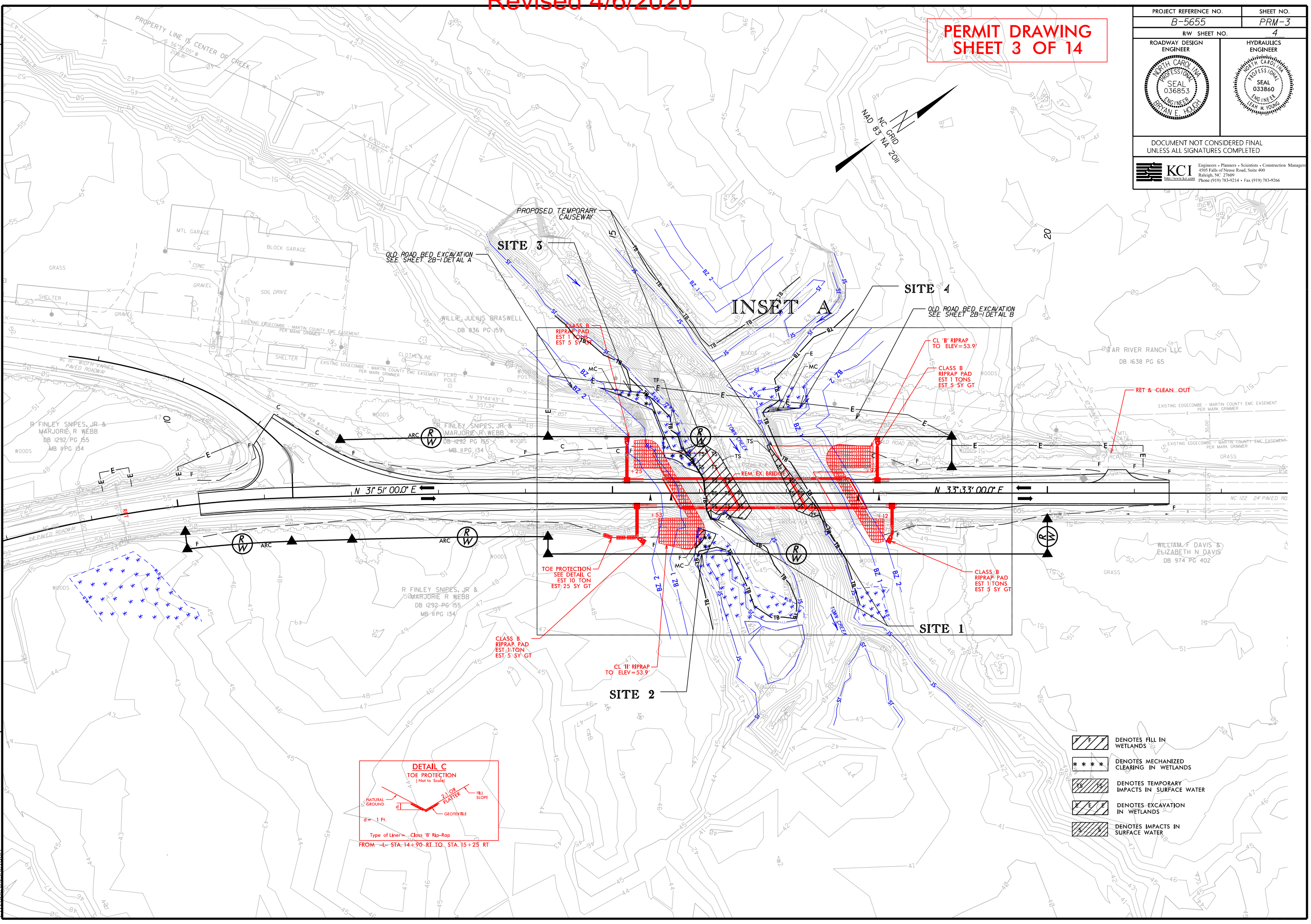
Revised 4/6/2020

PERMIT DRAWING  
SHEET 3 OF 14

PROJECT REFERENCE NO. B-5655		SHEET NO. PRM-3	
RW SHEET NO. 4		HYDRAULICS ENGINEER	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
			
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
 KCI Engineers • Planners • Scientists • Construction Managers 4505 Falls of Neuse Road, Suite 400 Raleigh, NC 27609 Phone (919) 783-9214 • Fax (919) 783-9266			

REVISIONS

4/1/2020 2:51:00 PM 1945.20 B-5655 Hydraulic Wetland Impacts Drawings B-5655 prd-pah-con.dgn Elizabeth Sheldon



4/1/2020  
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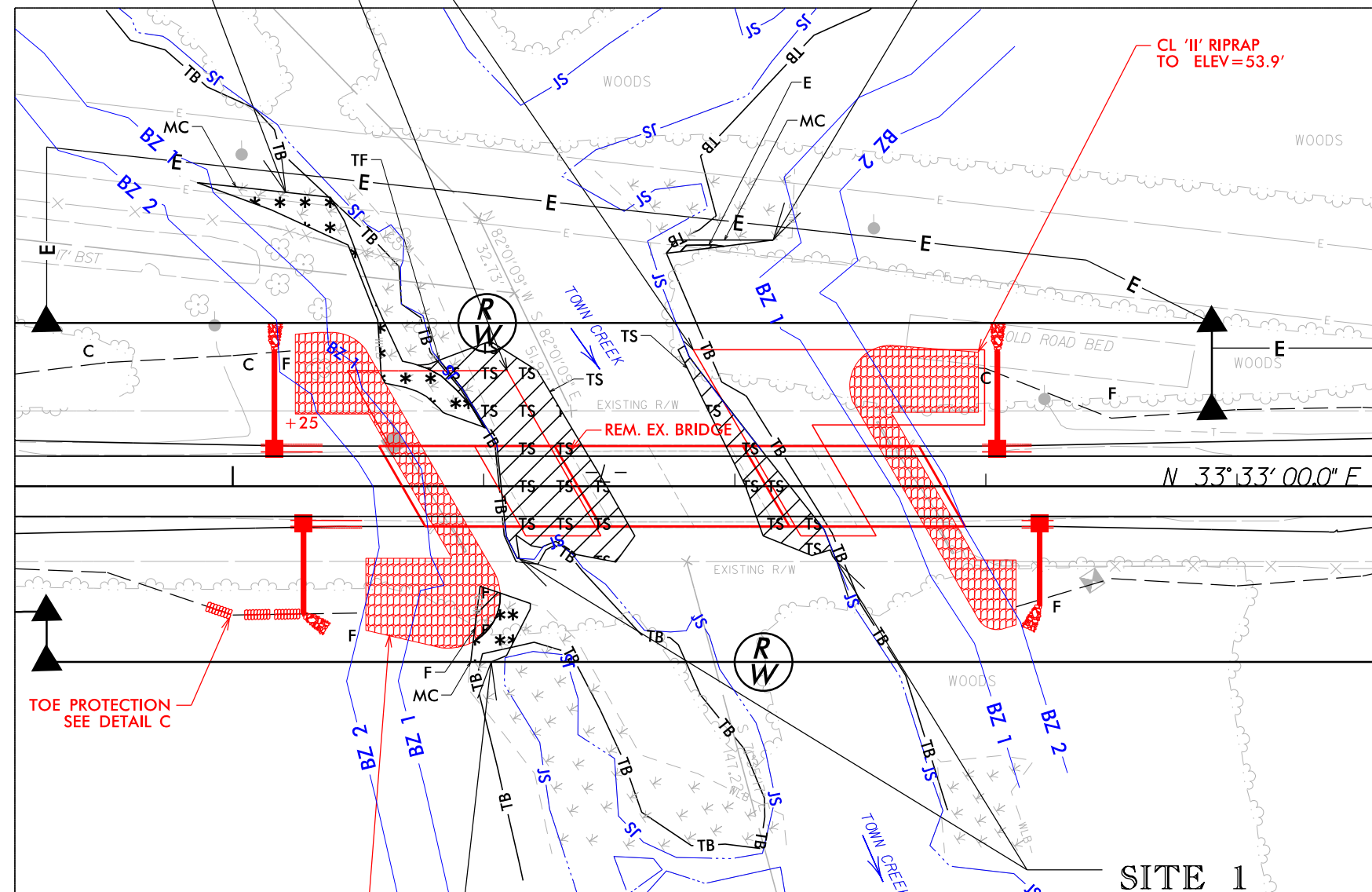
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B-5655	PRM-4
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PERMIT DRAWING  
SHEET 4 OF 14

SITE 3

SITE 4

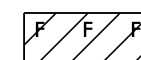
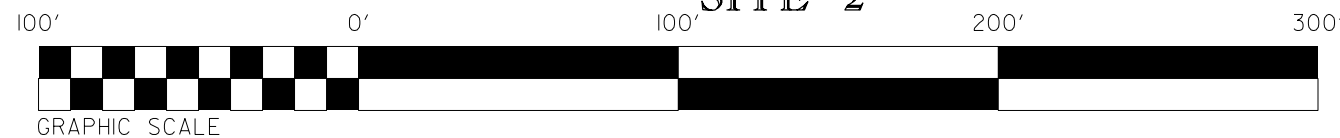
INSET A



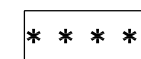
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SEE DETAIL C

SITE 1

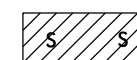
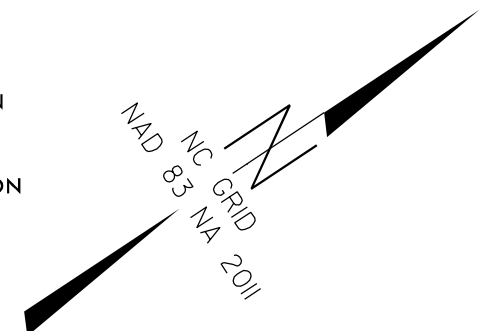
SITE 2



DENOTES FILL IN WETLANDS




DENOTES MECHANIZED  
CLEARING IN WETLANDS


DENOTES TEMPORARY  
IMPACTS IN SURFACE WATERDENOTES IMPACTS IN  
SURFACE WATERDENOTES EXCAVATION  
IN WETLANDS



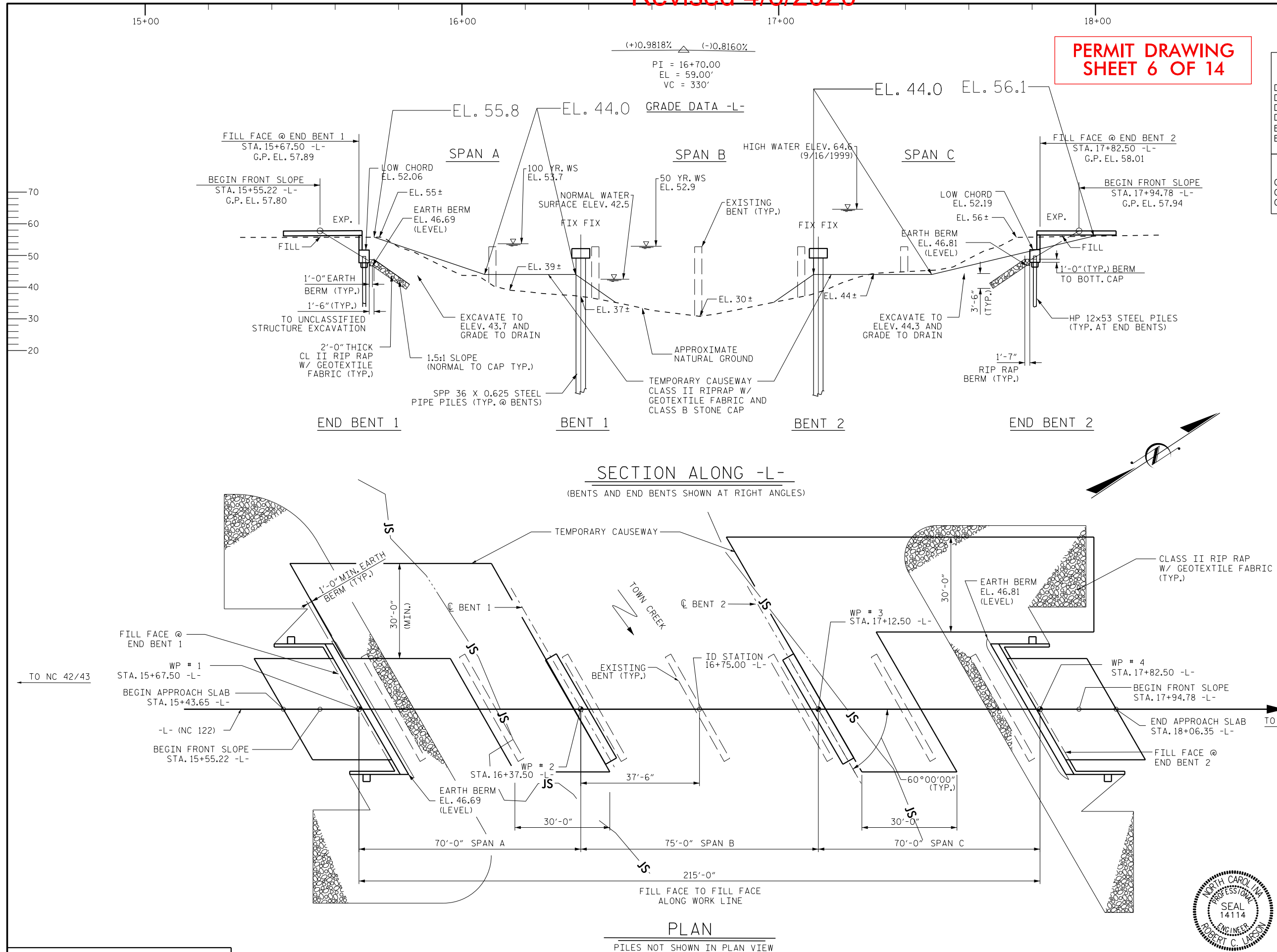


(+)0.9818%      (-)0.8160%

PI = 16+70.00  
EL = 59.00'  
VC = 330'

UNCLASSIFIED  
STRUCTURE EXCAVATION

REVISIONS						SHEET NO. S-1
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			TOTAL SHEETS 29
2			4			



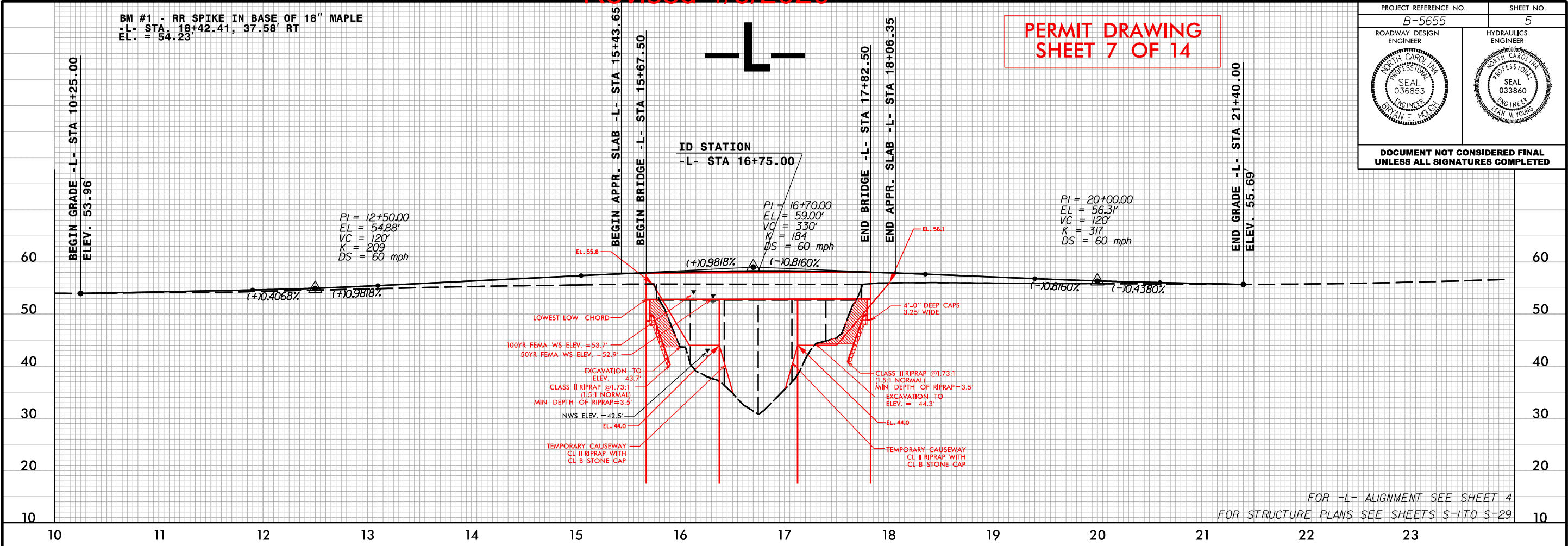
Revised 4/6/2020

5/28/99

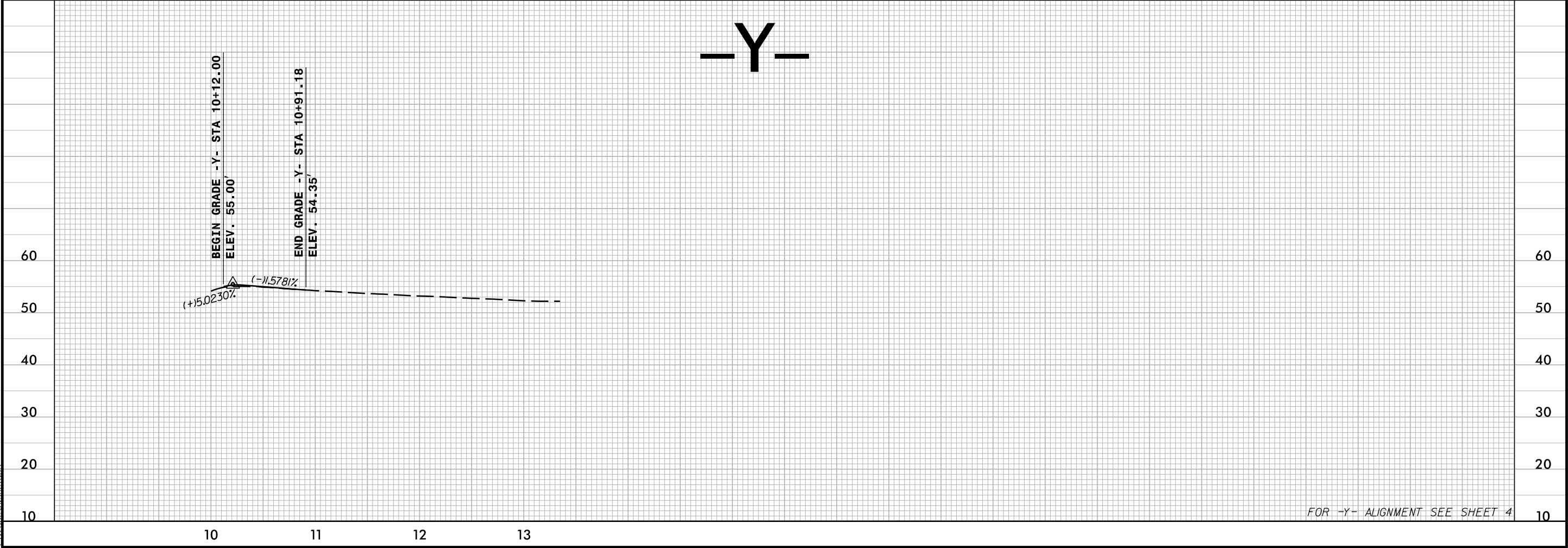
BM #1 - RR SPIKE IN BASE OF 18" MAPLE  
-L- STA 18+42.41, 37.58' RT  
EL. = 54.23'

PERMIT DRAWING  
SHEET 7 OF 14

PROJECT REFERENCE NO. B-5655		SHEET NO. 5
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		



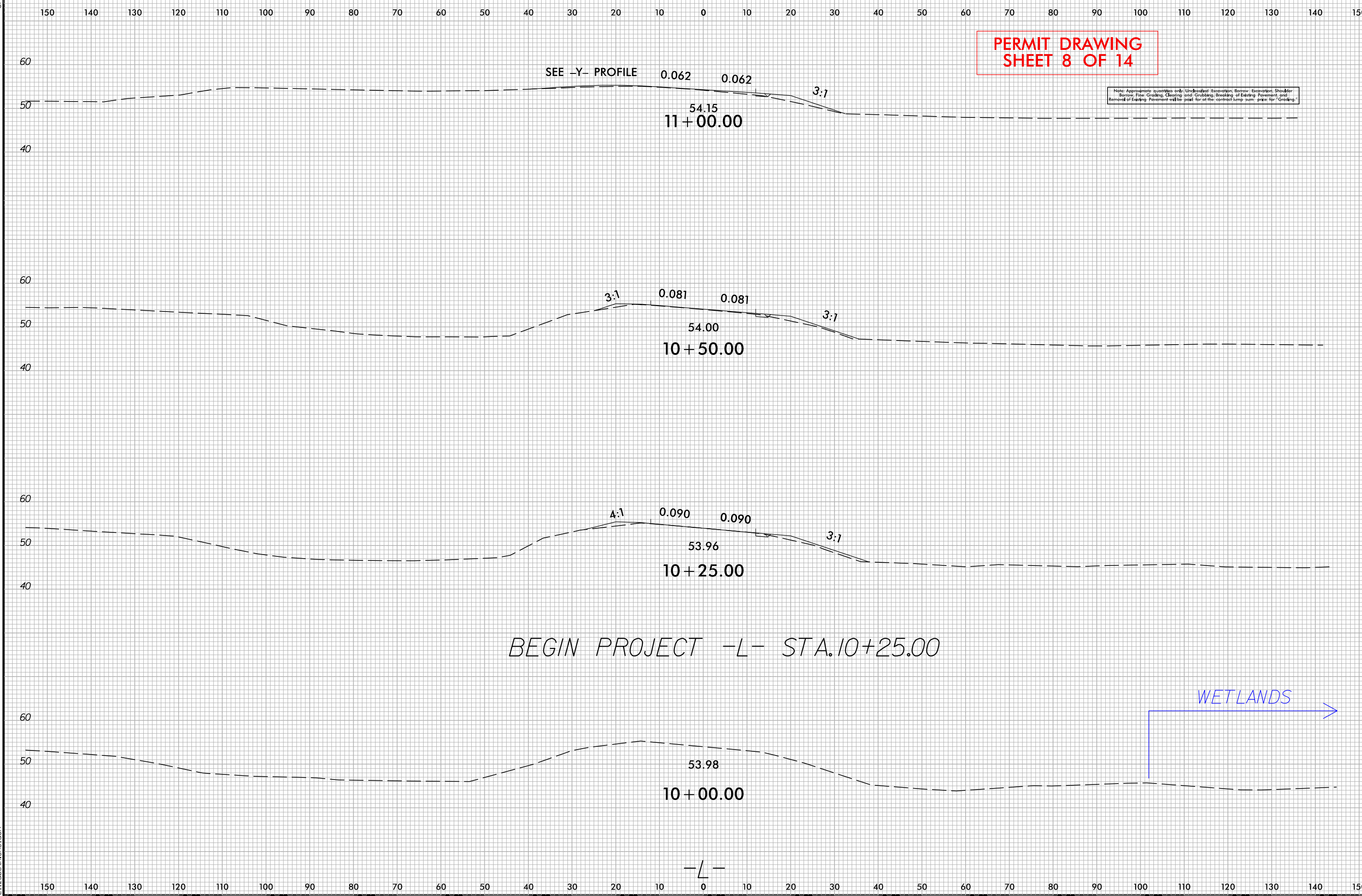
7/31/2020 5:18:01 PM B-5655-Hydraulics\PERMITS\Environmental\Wetland Impacts\Drawings\B-5655-prm-pl.dgn Elizabeth Sheldon



Revised 4/6/2020

6/23/16  
3/3/2020  
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Elizabeth Sheahan

0 10 20 [Scale Bar]	PROJ. REFERENCE NO. B-5655	SHEET NO. X-1
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PERMIT DRAWING  
SHEET 8 OF 14

Note: Approximate quantities only. Unclassified Excavation, Borrow, Excavation, Shoulder, Borrow, Filling, Grading, Cleaning and Grubbing, Breaking of Existing Pavement, and Removal of Existing Pavement will be paid for at the contract lump sum price for "Grading."

BEGIN PROJECT -L- STA. 10+25.00

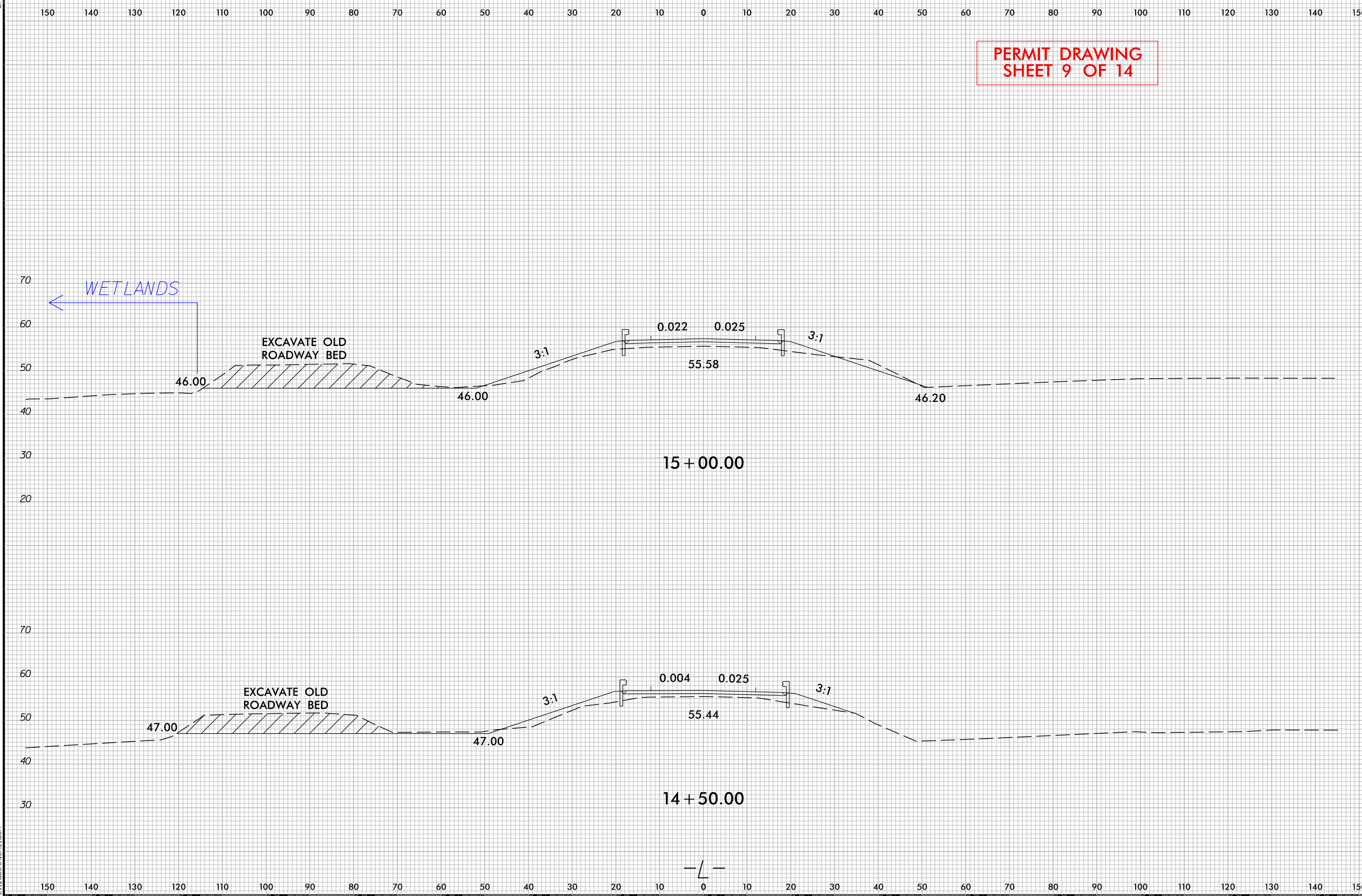
-L-



Revised 4/6/2020

6/23/16  
3/3/2020  
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Elizabeth Sheildon

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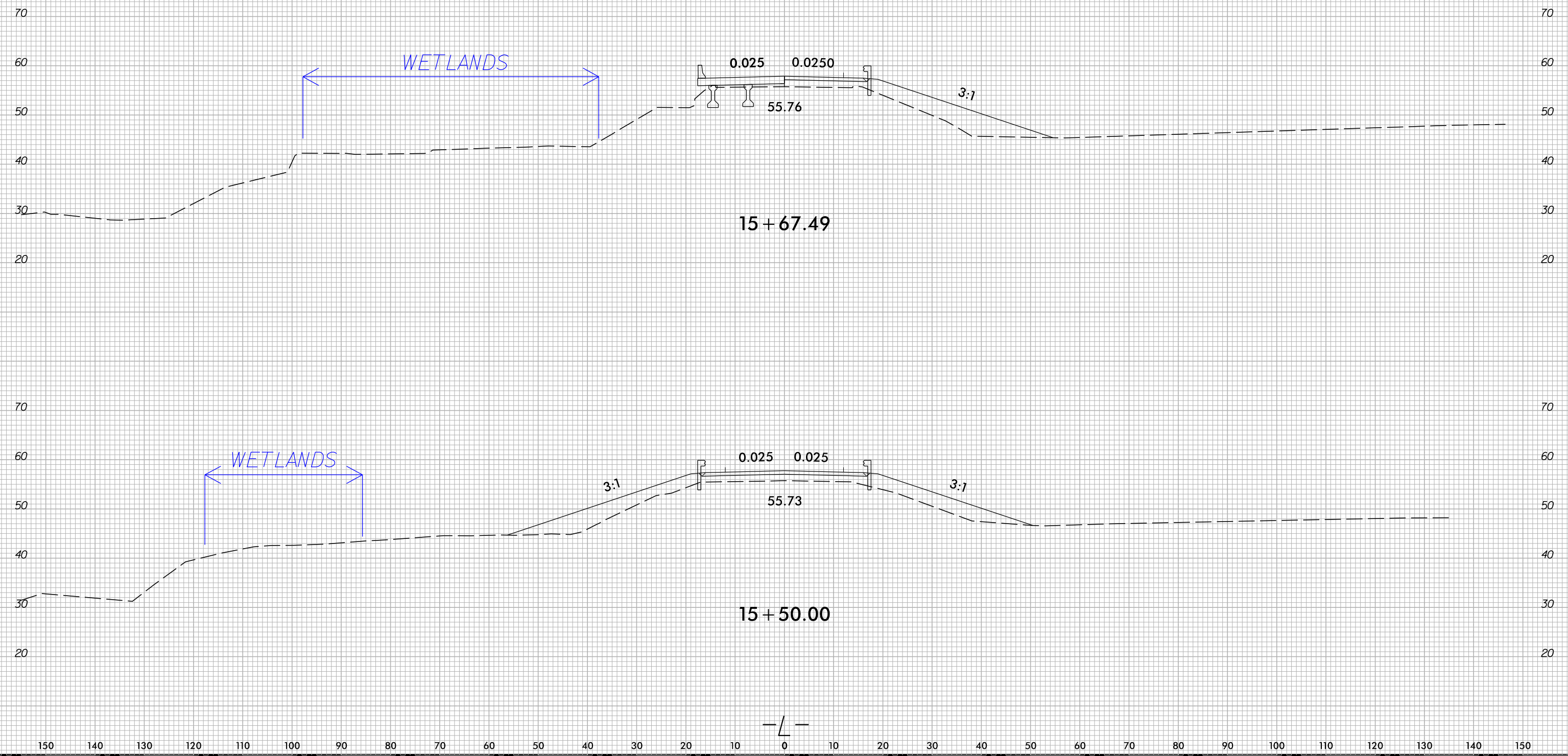
Revised 4/6/2020

6/23/16  
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Elizabeth Sheildon

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PERMIT DRAWING  
SHEET 10 OF 14

BEGIN BRIDGE -L- STA.15+67.50



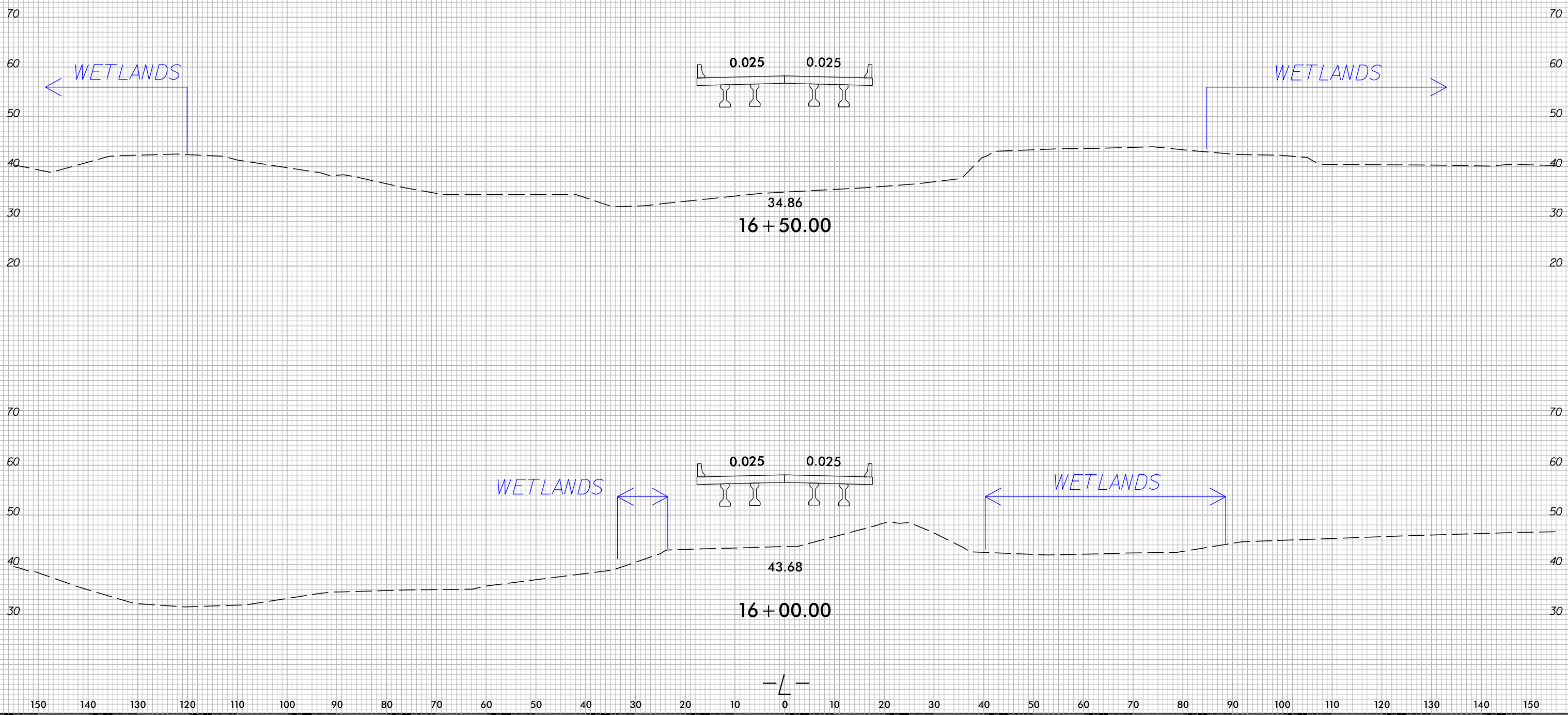
Revised 4/6/2020

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Elizabeth Sheldon

0 10 20	PROJ. REFERENCE NO.	SHEET NO.
	B-5655	X-6

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 11 OF 14



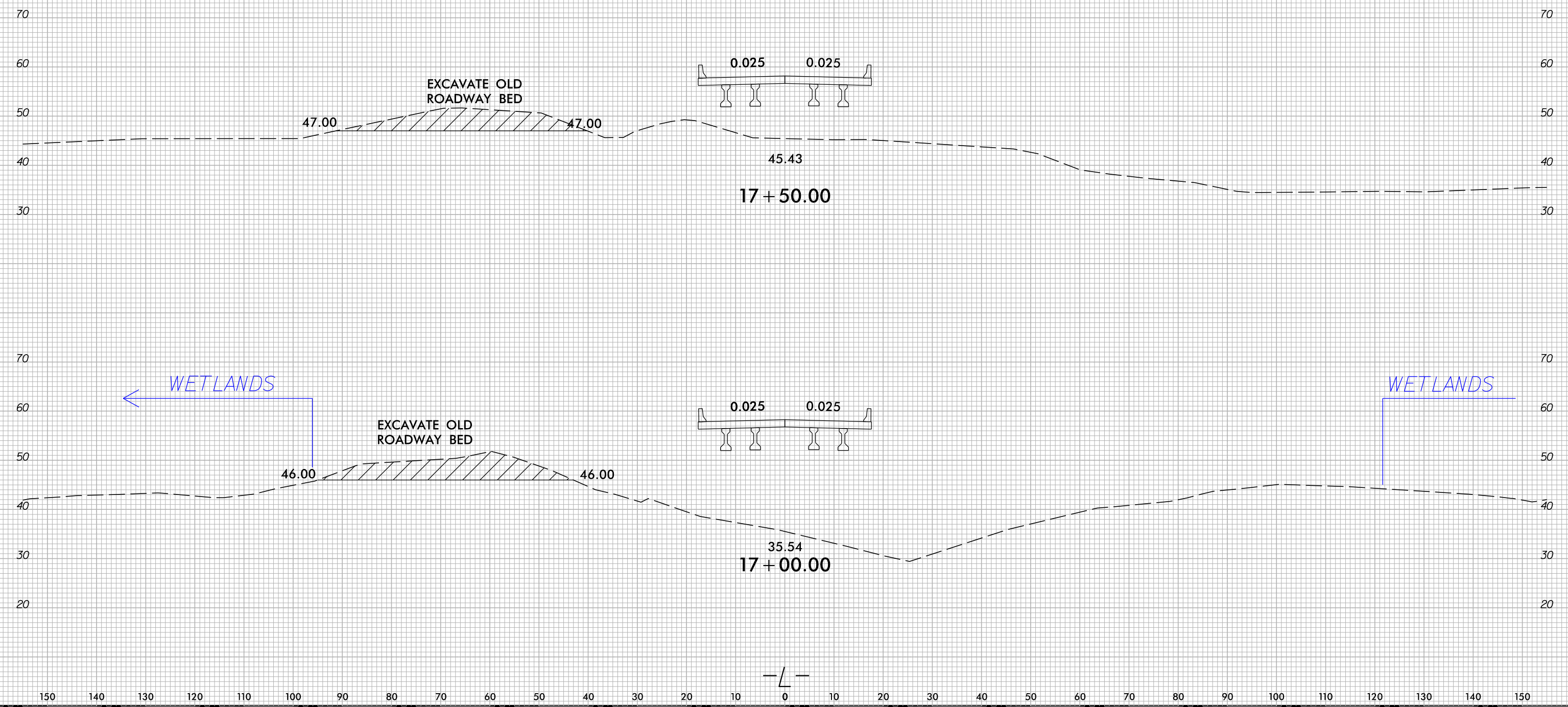
Revised 4/6/2020

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11/20/16

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	B-5655	X-7

PERMIT DRAWING  
SHEET 12 OF 14

END BRIDGE -L- STA.17+82.50





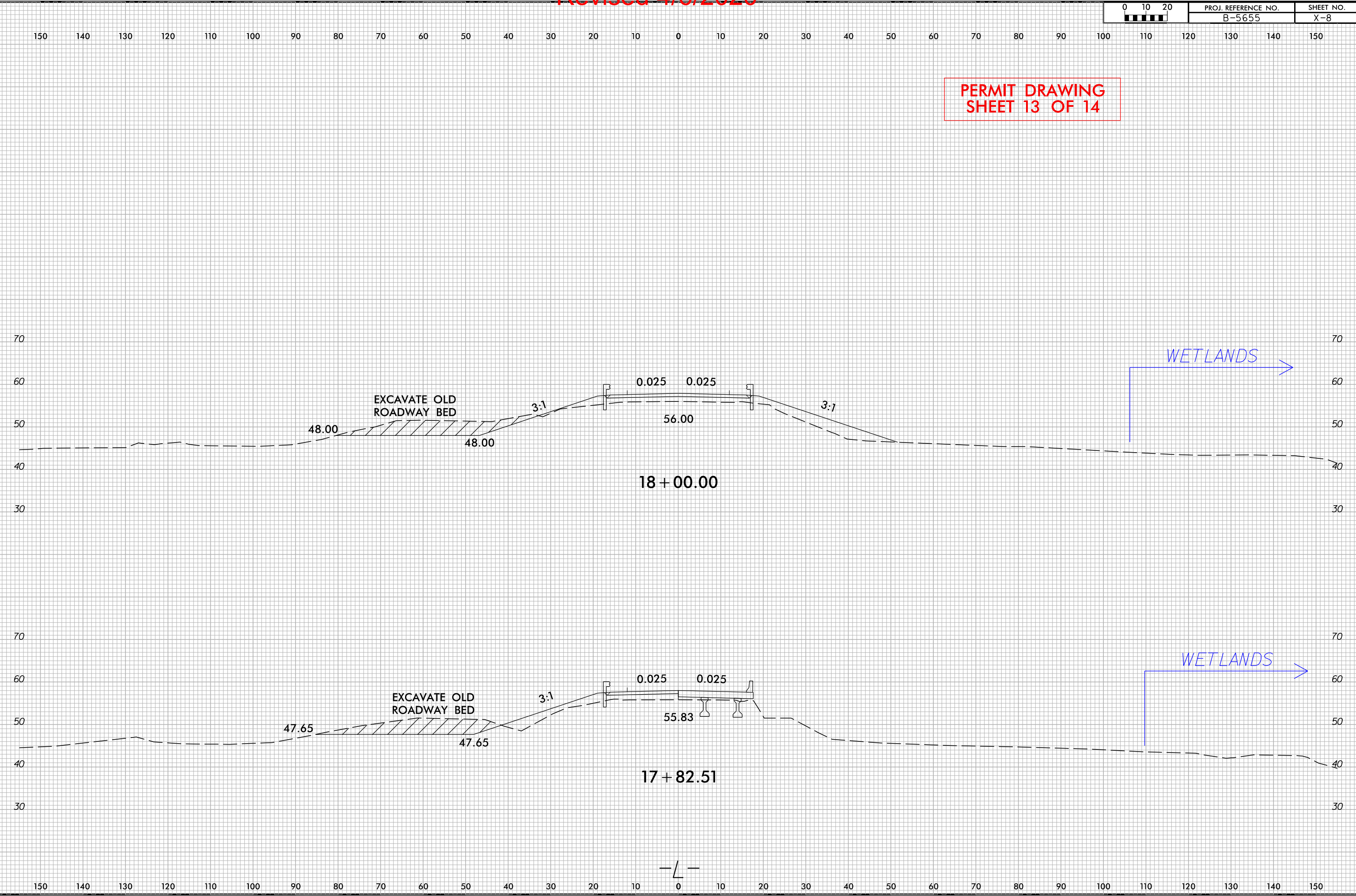
Revised 4/6/2020

6/23/16

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	B-5655	X-8

PERMIT DRAWING  
SHEET 13 OF 14

3/3/2020  
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Elizabeth Sheldon



WETLAND AND SURACE WATER IMPACTS 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	STA 15+73.8 CL TO STA 17+40.65 CL	CAUSEWAY CONSTRUCTION/ BENT REMOVAL		< 0.01					0.10		98	
2	STA 15+94.80 RT TO STA 16+18.58 RT	CLEARING DUE TO ROADWAY				< 0.01						
2	STA 15+95.78 RT TO STA 16+06.55 RT	FILL IN WETLAND DUE TO ROADWAY	< 0.01									
3	STA 14+85.96 LT TO STA 16+00.12 LT	CLEARING DUE TO ROADWAY				0.02						
4	STA 16+72.72 LT TO STA 17+15.29 LT	WETLAND EXCAVATION DUE TO ROADWAY			< 0.01	< 0.01						
TOTALS*:			< 0.01	< 0.01	< 0.01	0.03			0.10	0	98	0

\*Rounded totals are sum of actual impacts

NOTES:

NC DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
3/2020  
EDGECOMBE COUNTY  
B-5655  
45610.1.1  
SHEET 13 OF 13