

# 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:** Gordon Cashin  
*Who is submitting the information?*

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

## Project Information

---

**Existing ID #: \*** 20200399  
*20170001 (no dashes)*

**Existing Version: \*** 1

**Project Name: \*** BR-0118 Northampton 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#:**

BR-0118

**WBS#:**

48827.1.1

(Applies to DOT projects only)

---

**County (ies) \***

Northampton

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

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

BR-0118\_PERMITS\_WETLANDS\_20200330.pdf 5.2MB

Only pdf or kmz files are accepted.

**Describe the attachments:**

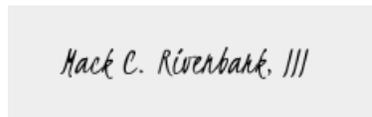
Additional minimization has occurred in the design. Mechanized land clearing associated with the temporary detour has been changed to hand clearing. These changes have been made on the Summary Sheet and drawings in the attachments. Permanent impacts to wetlands have been reduced by 0.052 acre from 0.165 acre to 0.113 acre. The 0.052 acre is now hand clearing. Additionally, there will now be <0.01 ac of temporary fill in hand clearing areas for erosion control measures.

The DMS Acceptance Letter will be forwarded as soon as it is available. DMS is having difficulty issuing the letter via teleworking.

\*  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: \***



**Submittal Date:**

4/2/2020

Is filled in automatically once submitted.



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



(Version 2.08; Released April 2018)

WBS Element: 48827.1.1      TIP No.: BR-0118      County(ies): Northampton      Page 1 of 1

**General Project Information**

WBS Element:	48827.1.1	TIP Number:	BR-0118	Project Type:	Bridge Replacement	Date:	12/26/2019
NCDOT Contact:	David Stutts, PE		Contractor / Designer:	Kisinger Campo & Associates			
	Address:	1000 Birch Ridge Drive Raleigh, North Carolina 2760		Address:	301 Fayetteville St., Suite 1500 Raleigh, NC 27604		
	Phone:	(919) 707-6400		Phone:	(919) 882-7839		
	Email:	dstutts@ncdot.gov		Email:	nking@kcaeng.com		
City/Town:	Pleasant Hill		County(ies):	Northampton			
River Basin(s):	Chowan		CAMA County?	No			
Wetlands within Project Limits?	Yes						

**Project Description**

Project Length (lin. miles or feet):	913 ft	Surrounding Land Use:	Agricultural					
	<b>Proposed Project</b>			<b>Existing Site</b>				
Project Built-Upon Area (ac.)	0.5	ac.	0.30	ac.				
Typical Cross Section Description:	The proposed typical section on either side of the bridge will be normal crown with cross slope of 0.025, and consist of two 10' lanes with 3'-11" paved shoulder and 2:1 or flatter side slopes to existing ground with the exception around the bridge opening and on the north side where the jurisdictional stream runs parrallel to the roadway. Any slope 1.5:1 or steeper is to be armored with Class II Rip Rap.			Existing roadway is a 13' wide gravel road, with 3' unpaved shoulders.				
Annual Avg Daily Traffic (veh/hr/day):	Design/Future:	970	Year:	2016	Existing:	970	Year:	2016
General Project Narrative: (Description of Minimization of Water Quality Impacts)	<p>State project 48827.1.1 will consist of replacing the structurally deficient NCDOT bridge #650093on SR 1203 over Jacks Swamp. The proposed replacement structure is a 1-span (1@70') 24" Cored Slab with 2.5' caps with an out-to-out deck width of 30' which will replace the existing single-span (1@35'). The existing roadway around the bridge is sorrouded by wetlands with all runoff discharging to the wetlands. Existing roadside ditches near the begin and end project limits transition to overland flow towards the wetlands before reaching the bridge opening. The Proposed condition will match the existing drainage patters as closely as possible. Stormwater runoff from the proposed bridge and approach slabs will be collected by traffic bearing grated inlets where they will discharge to rip rap pads and flow overland towards the wetlands.</p> <p>The Temporary Detour alignment will require temporary fill within the wetland with matting provided underneath.</p>							

**Waterbody Information**

Surface Water Body (1):	Jacks Swamp		NCDWR Stream Index No.:	25-4-2-3			
NCDWR Surface Water Classification for Water Body	Primary Classification:	Class C					
	Supplemental Classification:	Nutrient Sensitive Waters (NSW)					
Other Stream Classification:							
Impairments:	None						
Aquatic T&E Species?	No      Comments:						
NRTR Stream ID:	N/A			Buffer Rules in Effect:	N/A		
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)						

Revised 4/2/2020

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

**NORTHAMPTON COUNTY**

LOCATION: BRIDGE 65093 ON SR 1203 (JACK SWAMP RD)  
OVER JACK'S SWAMP

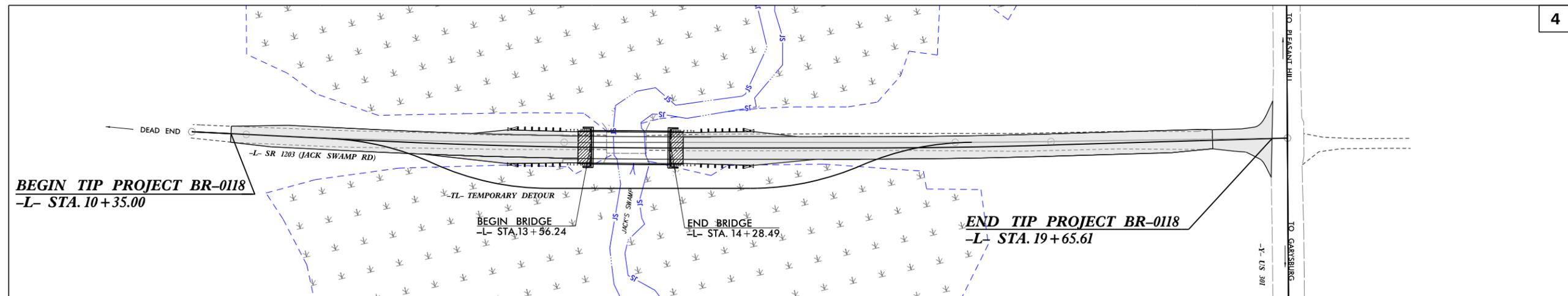
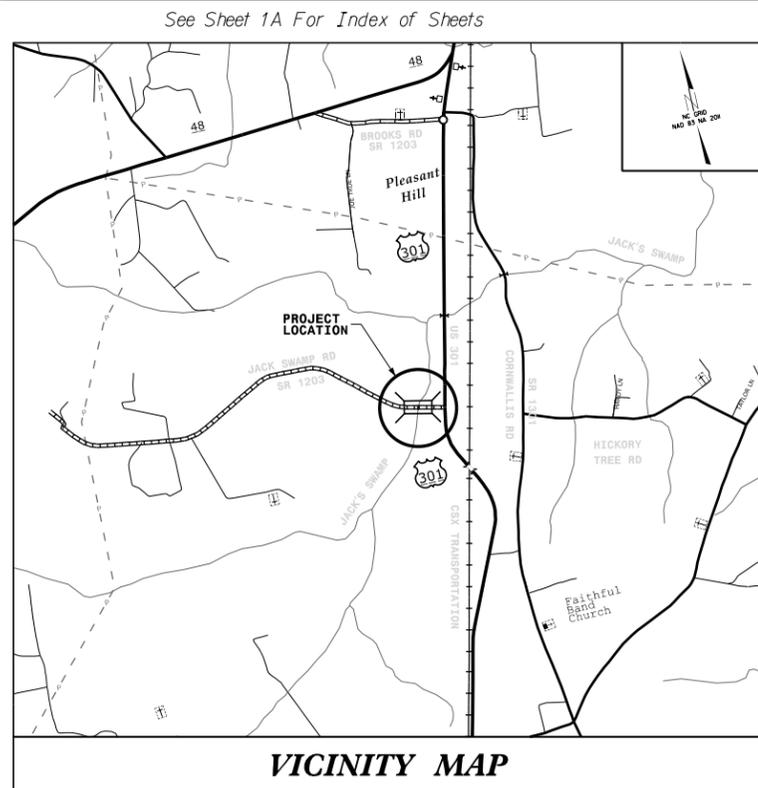
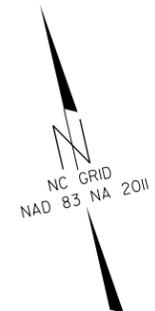
TYPE OF WORK: GRADING, DRAINAGE, PAVING AND STRUCTURE

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	BR-0118	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
48827.1.1	N/A	PE	
48827.2.1	N/A	RW, UTILITIES	
48827.3.1	2020001	CONSTRUCTION	

WETLAND &  
STREAM IMPACTS

3312020

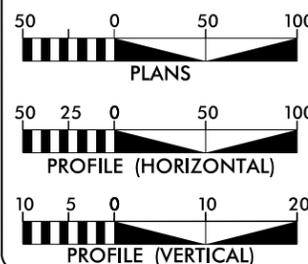
PERMIT DRAWING  
SHEET 1 OF 18



TIP PROJECT: BR-0118

CONTRACT: C204530

GRAPHIC SCALES



DESIGN DATA

ADT 2020 = 50  
ADT 2040 = 50  
V = 30 MPH  
T = 6% \*  
\*TTST 3% + DUAL 3%  
FUNC CLASS = LOCAL RURAL  
SUB-REGIONAL TIER

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT BR-0118 = 0.162 MILES  
LENGTH STRUCTURES TIP PROJECT BR-0118 = 0.014 MILES  
TOTAL LENGTH TIP PROJECT BR-0118 = 0.176 MILES

NCDOT CONTACT: DAVID STUTTS, PE  
SMU PROJECT MANAGER



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

2018 STANDARD SPECIFICATIONS

JOHN P. MAZERES, PE  
PROJECT ENGINEER

ANDREA B. JENSEN, EI  
PROJECT DESIGN ENGINEER

HYDRAULICS ENGINEER

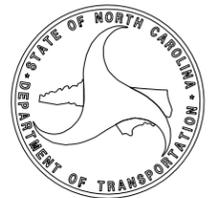


SIGNATURE:

ROADWAY DESIGN  
ENGINEER



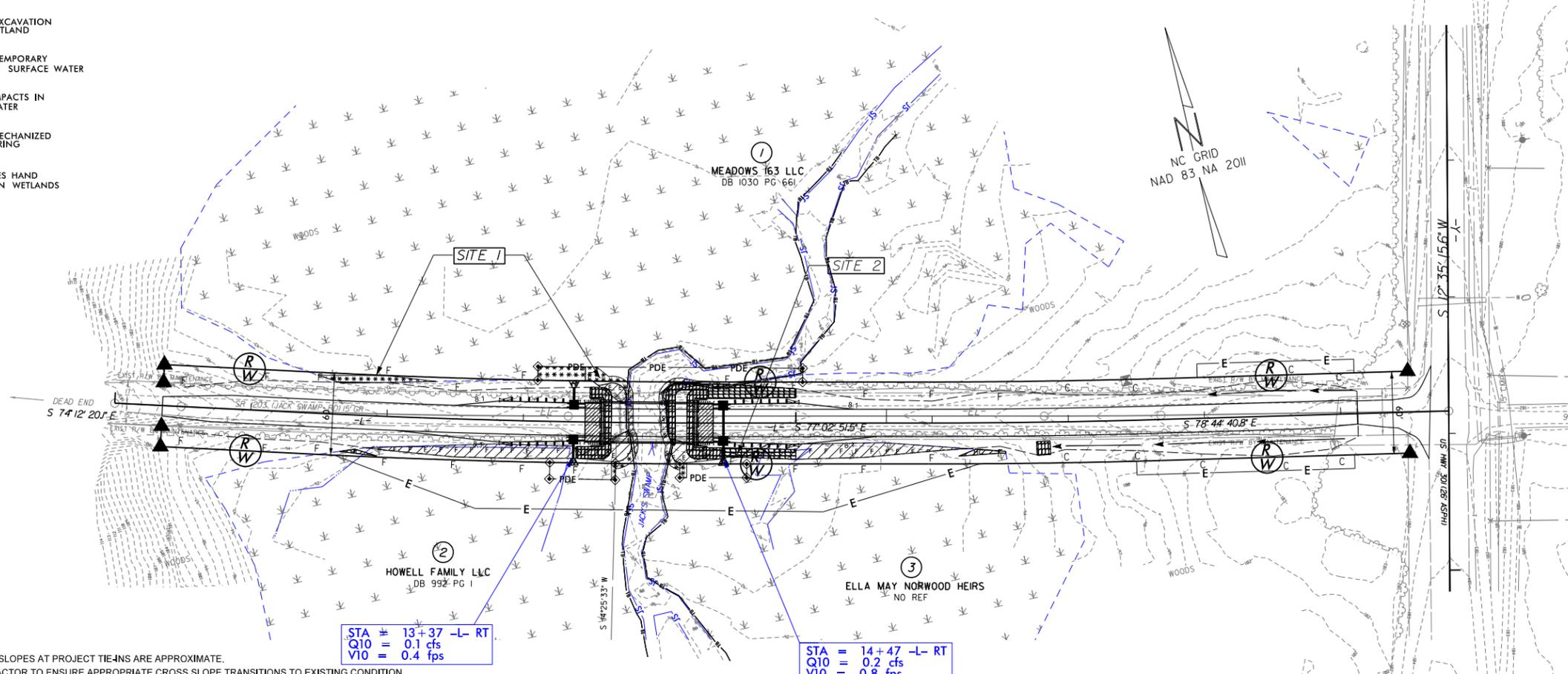
SIGNATURE:



PROJECT REFERENCE NO. BR-0118	SHEET NO. 4
R/W SHEET NO.	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER	SEAL 049335 ENGINEER JOHN P. MAZUREK
	SEAL 049338 ENGINEER BRIAN P. ADLAND
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
PREPARED IN THE OFFICE OF: <b>KCA</b> KINSINGER CAMPO & ASSOCIATES	
NC FIRM LICENSE NO. C-1500 301 Fayetteville St., Suite 1500 Raleigh, NC 27601 (919) 882-7839	

PERMIT DRAWING  
SHEET 2 OF 18

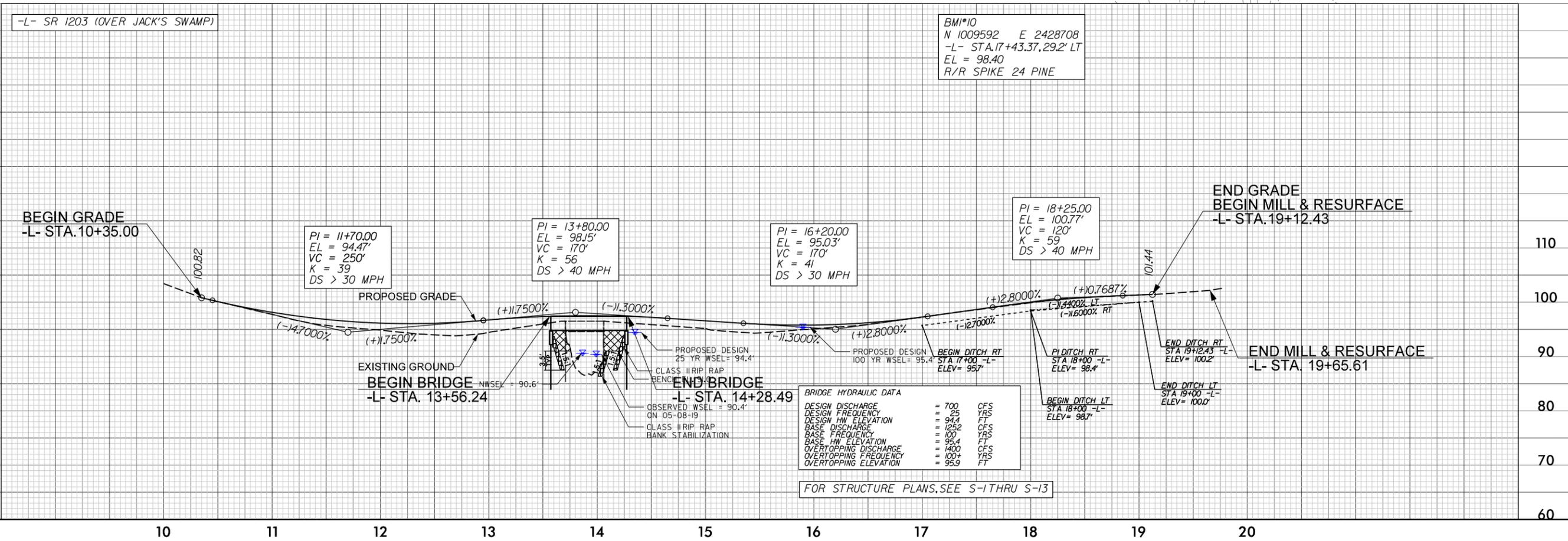
- DENOTES FILL IN WETLAND
- DENOTES EXCAVATION IN WETLAND
- DENOTES TEMPORARY IMPACTS IN SURFACE WATER
- DENOTES IMPACTS IN SURFACE WATER
- DENOTES MECHANIZED CLEARING
- DENOTES HAND CLEARING IN WETLANDS



NOTE: CROSS SLOPES AT PROJECT TIE-INS ARE APPROXIMATE.  
CONTRACTOR TO ENSURE APPROPRIATE CROSS SLOPE TRANSITIONS TO EXISTING CONDITION

STA = 13+37 -L- RT  
Q10 = 0.1 cfs  
V10 = 0.4 fps

STA = 14+47 -L- RT  
Q10 = 0.2 cfs  
V10 = 0.8 fps



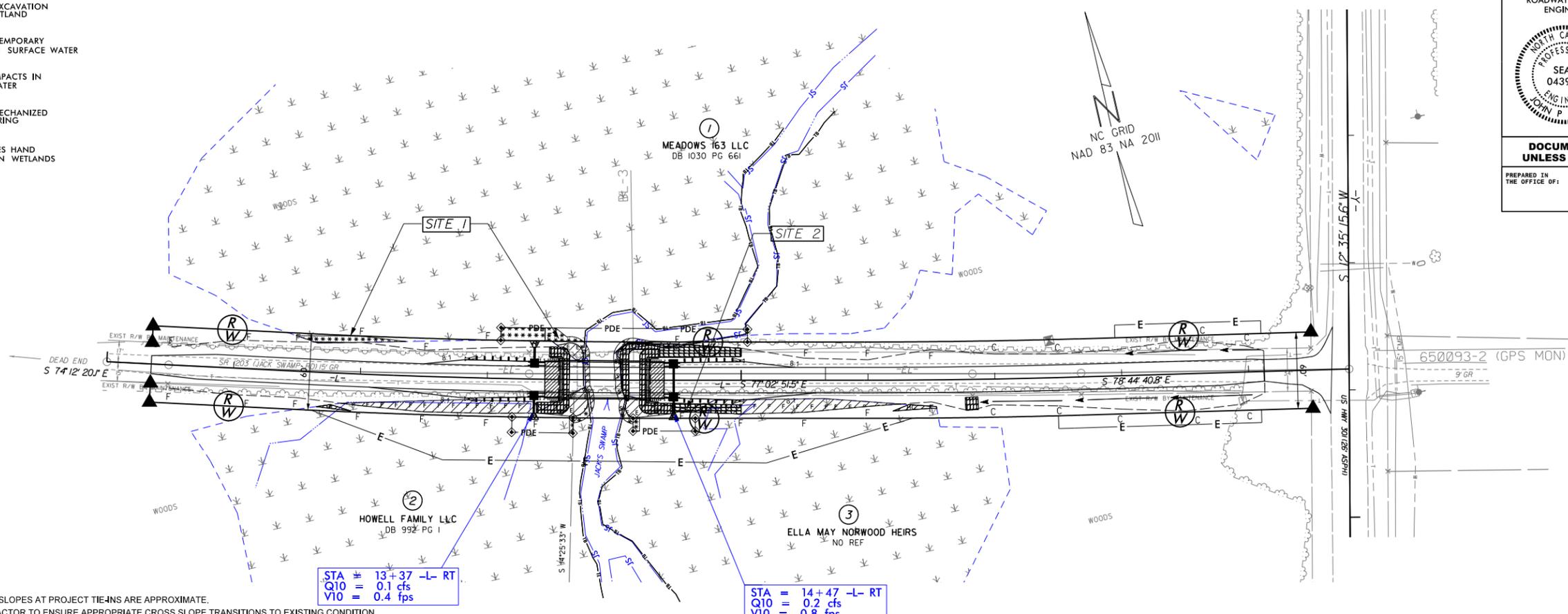
REVISIONS

8/17/99  
 31-MAR-2020 10:00  
 C:\4201726\X-SW-Build Grant\BR-0118.D1-Nor-thampton\_93\Hydraulics\CADD\PSH\BR-0118\_HYO\_PSH\_Permits\_CONTOURS.dgn  
 At K140773

PROJECT REFERENCE NO. BR-0118	SHEET NO. 4
R/W SHEET NO.	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER	SEAL 043935 JOHN P. MAZUREK
	SEAL 049338 JOHN P. AADLAND
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
PREPARED IN THE OFFICE OF:	KCA KISINGER CAMPO & ASSOCIATES NC FIRM LICENSE NO. C-1500 301 Fayetteville St., Suite 1500 Raleigh, NC 27601 (919)882-7839

PERMIT DRAWING SHEET 3 OF 18

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

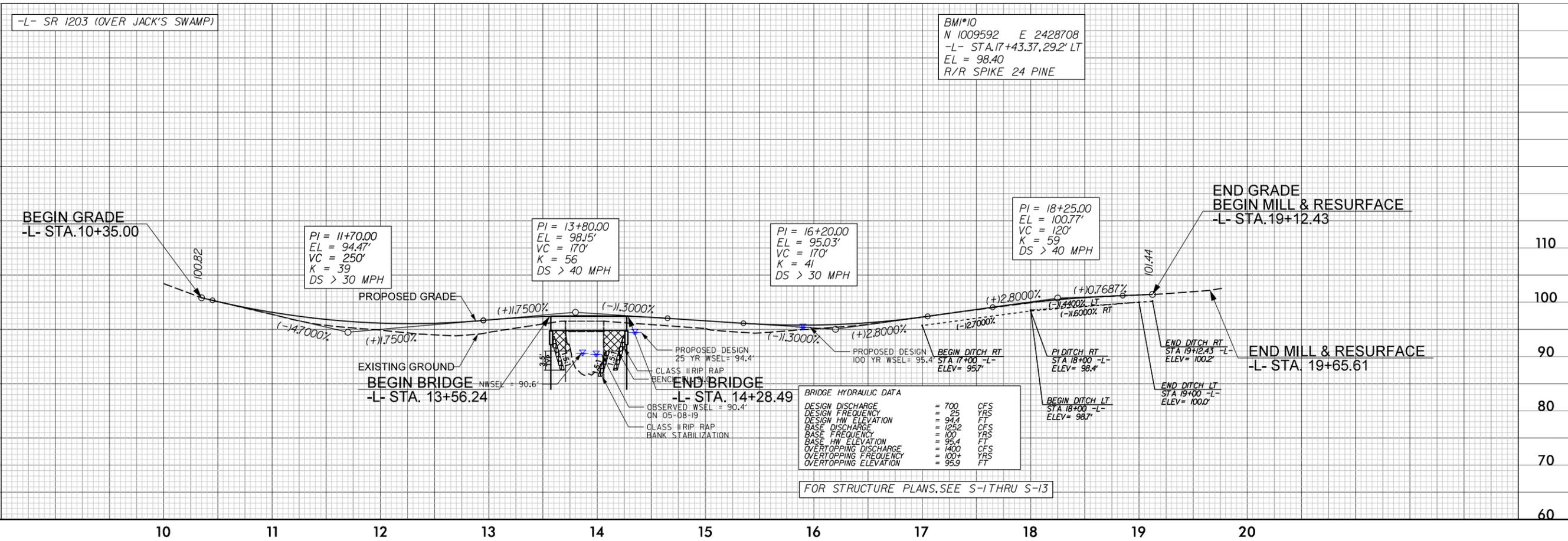


NOTE: CROSS SLOPES AT PROJECT TIE-INS ARE APPROXIMATE.  
CONTRACTOR TO ENSURE APPROPRIATE CROSS SLOPE TRANSITIONS TO EXISTING CONDITION

STA = 13+37 -L- RT  
Q10 = 0.1 cfs  
V10 = 0.4 fps

STA = 14+47 -L- RT  
Q10 = 0.2 cfs  
V10 = 0.8 fps

REVISIONS

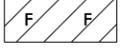
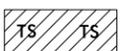
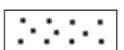
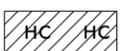


8/17/99  
 31-MAR-2020 10:00  
 C:\4201726\X-SWU-Build Grant\BR-0118.D1-Nor-thampton\_93\Hydraulics\CADD\PSH\BR-0118\_HYO\_PSH\_Permit.dgn  
 At K140773

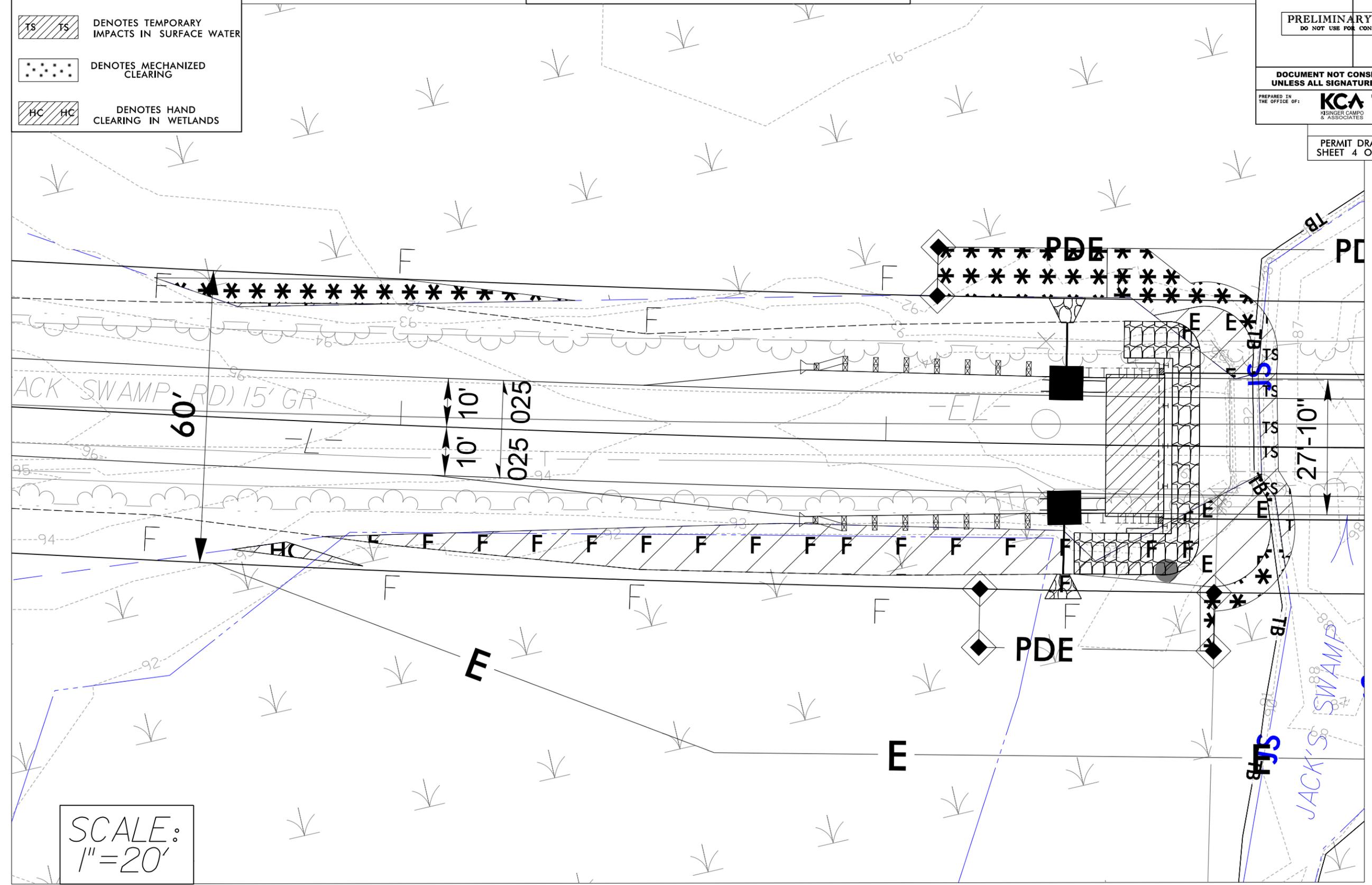
Revised 4/2/2020

PROJECT REFERENCE NO. BR-0118		SHEET NO. 4	
RW SHEET NO.		HYDRAULICS ENGINEER	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
<b>PRELIMINARY PLANS</b> DO NOT USE FOR CONSTRUCTION			
<b>DOCUMENT NOT CONSIDERED FINAL</b> UNLESS ALL SIGNATURES COMPLETED			
PREPARED IN THE OFFICE OF:		<b>KCA</b> <small>301 Fayetteville St., Suite 1500 Raleigh, NC 27601 (919) 882-7839</small>	

# SITE I ENLARGEMENT

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

PERMIT DRAWING SHEET 4 OF 18



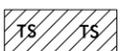
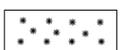
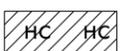
SCALE:  
1" = 20'

31-MAR-2020 10:40  
 C:\4201726\X\_SWU\_Build\_Grnt\BR-0118.D1\_Northern\mation\_93\Hydraulics\CADD\PSH\BR-0118\_HYD\_PSH\_Permits\_Enlarge.dgn  
 8/17/99  
 King

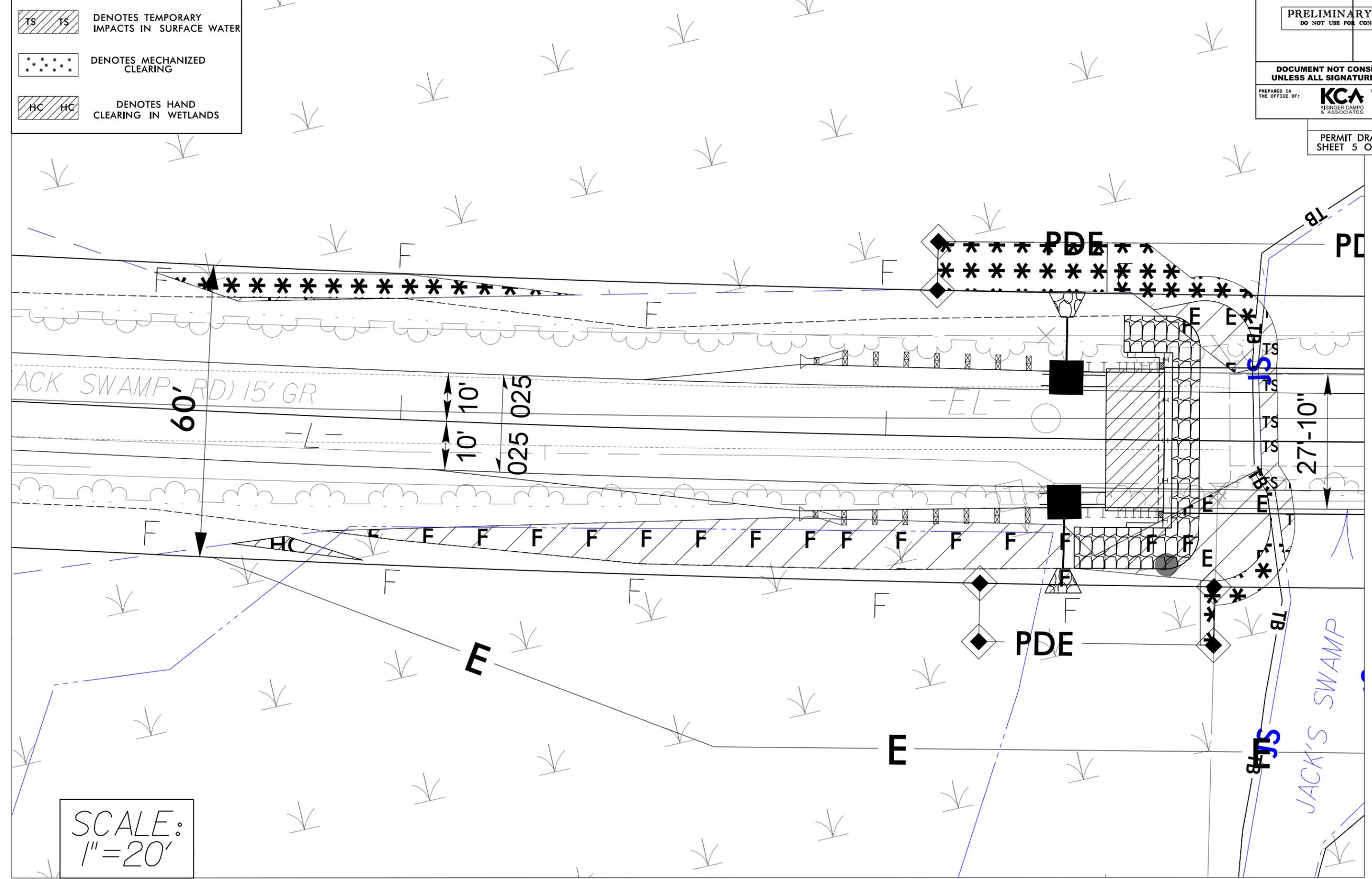
Revised 4/2/2020

PROJECT REFERENCE NO. BR-0118		SHEET NO. 4	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
<b>PRELIMINARY PLANS</b> DO NOT USE FOR CONSTRUCTION			
<b>DOCUMENT NOT CONSIDERED FINAL</b> UNLESS ALL SIGNATURES COMPLETED			
PREPARED IN THE OFFICE OF:		<b>KCA</b> <small>KESINGER CAMPO &amp; ASSOCIATES</small> <small>NC FIRM LICENSE No. C-1500</small> <small>301 Fayetteville St., Suite 1500</small> <small>Raleigh, NC 27601</small> <small>(919) 882-7839</small>	

# SITE I ENLARGEMENT

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

PERMIT DRAWING  
SHEET 5 OF 18



SCALE:  
1" = 20'

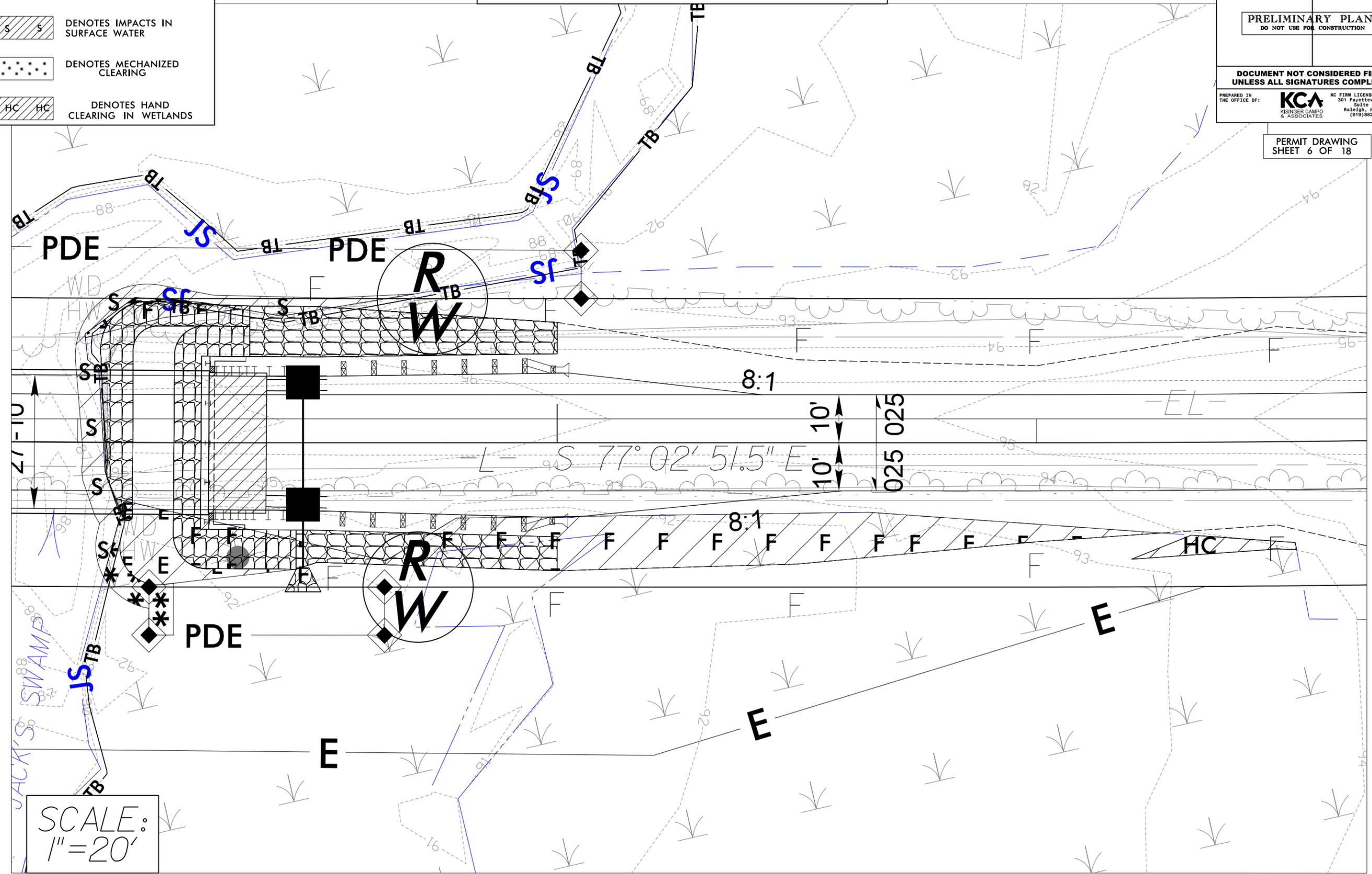
31-MAR-2020 10:40  
 C:\4201726\X-SWU-Build Grant\BR-0118.D1-Northern\mpation\_93\Hydraulics\CADD\PSH\BR-0118\_HYD\_PSH\_Permits\_Enlarge.dgn  
 At K14073

Revised 4/2/2020

PROJECT REFERENCE NO. <i>BR-0118</i>	SHEET NO. 4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
<b>PRELIMINARY PLANS</b> DO NOT USE FOR CONSTRUCTION	
<b>DOCUMENT NOT CONSIDERED FINAL</b> UNLESS ALL SIGNATURES COMPLETED	
PREPARED IN THE OFFICE OF:	<b>KCA</b> <small>NC FIRM LICENSE No: C-1500          301 Fayetteville St., Suite 1500          Raleigh, NC 27601          (919) 882-7839</small>

# SITE 2 ENLARGEMENT

-  DENOTES FILL IN WETLAND
-  DENOTES EXCAVATION IN WETLAND
-  DENOTES IMPACTS IN SURFACE WATER
-  DENOTES MECHANIZED CLEARING
-  DENOTES HAND CLEARING IN WETLANDS



PERMIT DRAWING  
SHEET 6 OF 18

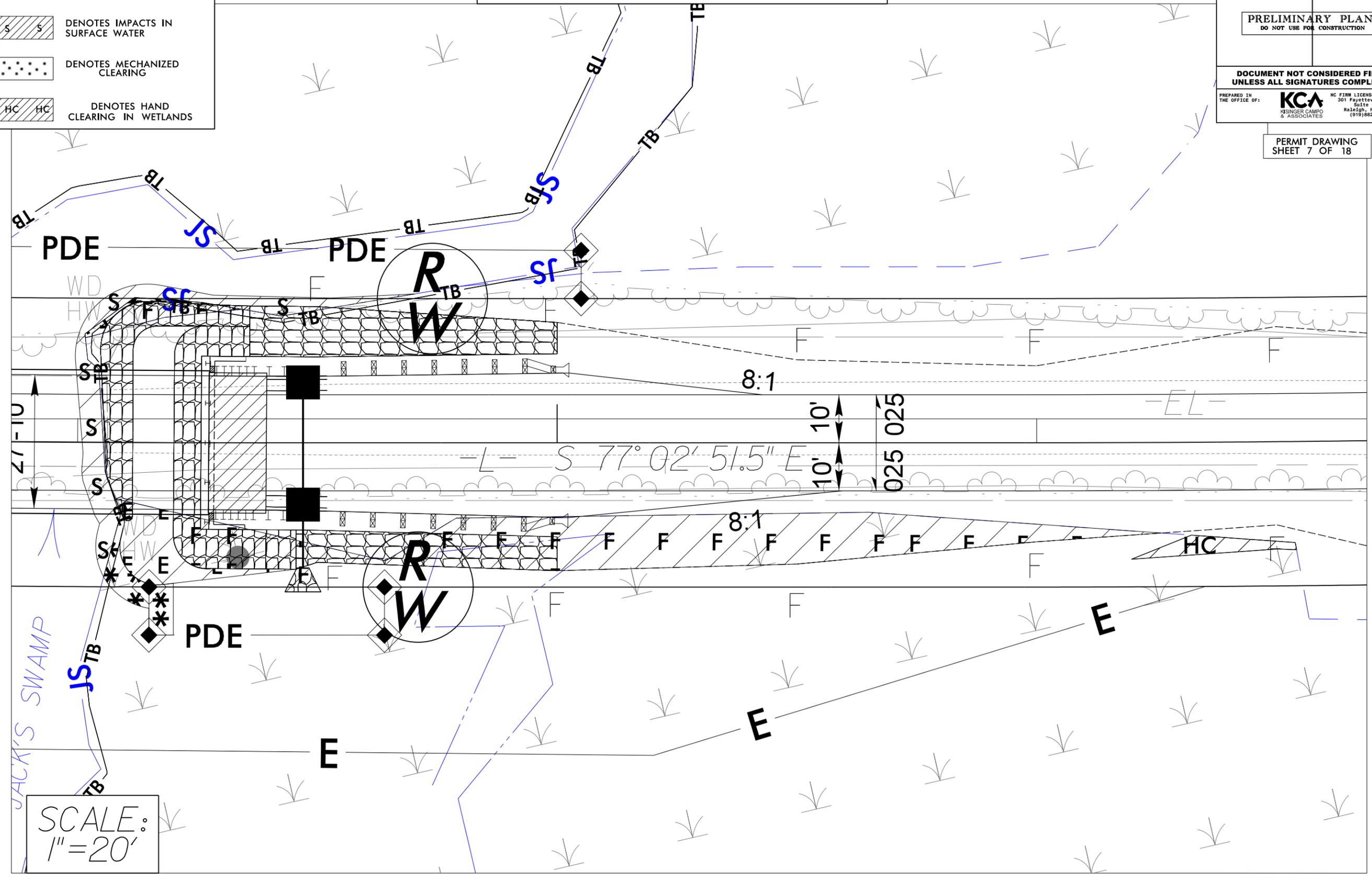
31-MAR-2020 10:01  
 C:\4201726\X-Shu-Build Grant\BR-0118.D1\_Nor-thampton\_93\Hydraulics\CADD\PSH\BR-0118\_HYD\_PSH\_Permits\_Enlarge.dgn  
 8/17/99  
 At K140773

PROJECT REFERENCE NO. <i>BR-0118</i>		SHEET NO. <i>4</i>	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
<b>PRELIMINARY PLANS</b> DO NOT USE FOR CONSTRUCTION			
<b>DOCUMENT NOT CONSIDERED FINAL</b> UNLESS ALL SIGNATURES COMPLETED			
PREPARED IN THE OFFICE OF:		<b>KCA</b> <small>NC FIRM LICENSE NO. C-1500          301 Fayetteville St., Suite 1500          Raleigh, NC 27601          (919) 882-7839</small>	

PERMIT DRAWING SHEET 7 OF 18

- DENOTES FILL IN WETLAND
- DENOTES EXCAVATION IN WETLAND
- DENOTES IMPACTS IN SURFACE WATER
- DENOTES MECHANIZED CLEARING
- DENOTES HAND CLEARING IN WETLANDS

# SITE 2 ENLARGEMENT



SCALE:  
1" = 20'

8/17/99  
 31-MAR-2020 10:40  
 C:\4201726\X\_Shu-Build Grant\BR-0118.D1\_Nor-thampton\_93\Hydraulics\CADD\PSH\BR-0118\_HYD\_PSH\_Permits\_Enlarge.dgn  
 At K14073





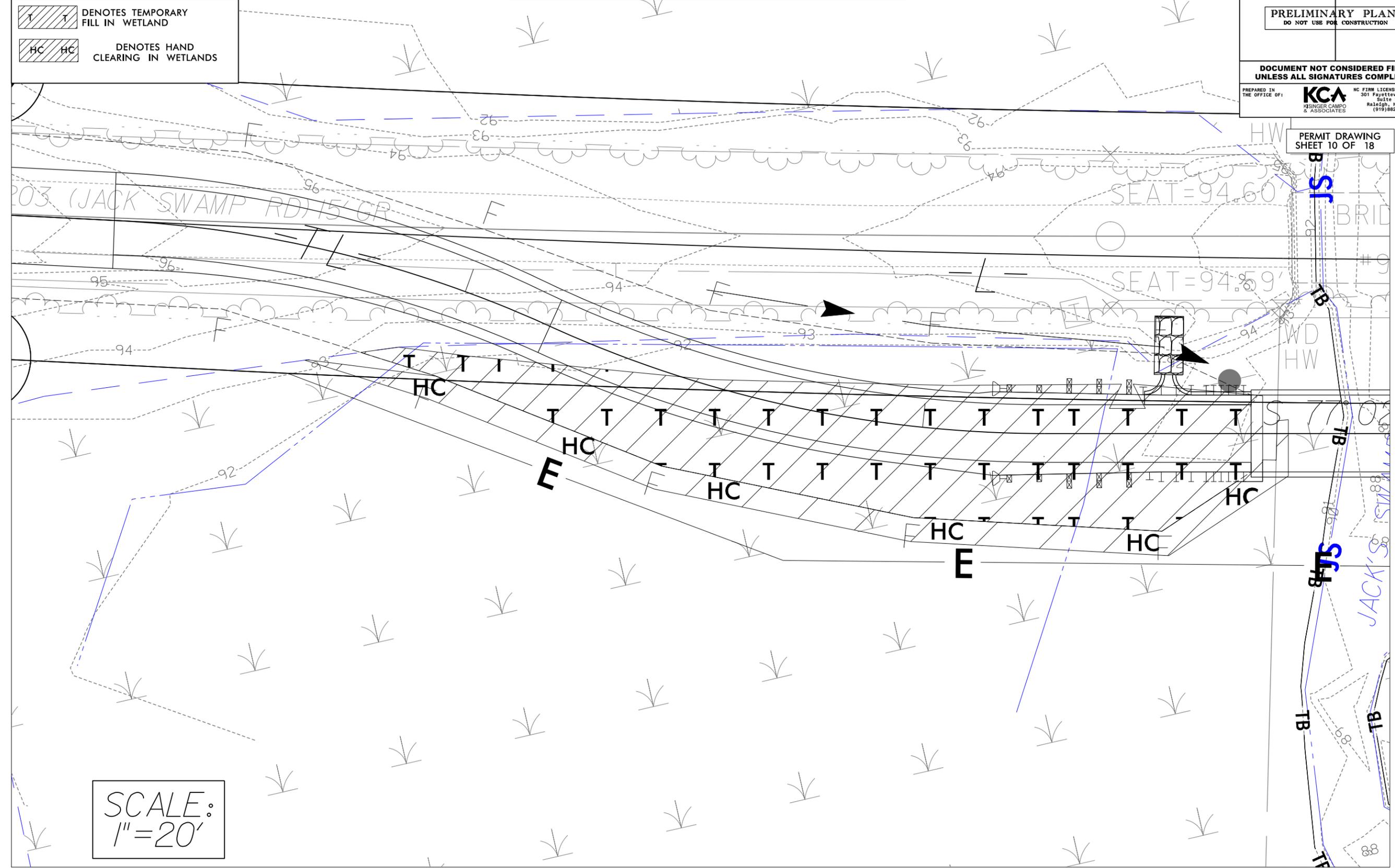
Revised 4/2/2020

# SITE 3 ENLARGEMENT

PROJECT REFERENCE NO. <i>BR-0118</i>		SHEET NO. <i>4</i>	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
<b>PRELIMINARY PLANS</b> DO NOT USE FOR CONSTRUCTION			
<b>DOCUMENT NOT CONSIDERED FINAL</b> UNLESS ALL SIGNATURES COMPLETED			
PREPARED IN THE OFFICE OF:		<b>KCA</b> <small>NC FIRM LICENSE No: C-1500          301 Fayetteville St., Suite 1500          Raleigh, NC 27601          (919)882-7839</small>	

 DENOTES TEMPORARY FILL IN WETLAND  
 DENOTES HAND CLEARING IN WETLANDS

PERMIT DRAWING SHEET 10 OF 18



SCALE:  
1" = 20'

31-MAR-2020 10:40  
 C:\4201726\X-SMU-Build Grant\BR-0118.D1-Nor-thampton\_93\Hydraulics\CADD\PSH\BR-0118\_HYD\_PSH\_Permits\_Enlarge.dgn  
 At K:\0773

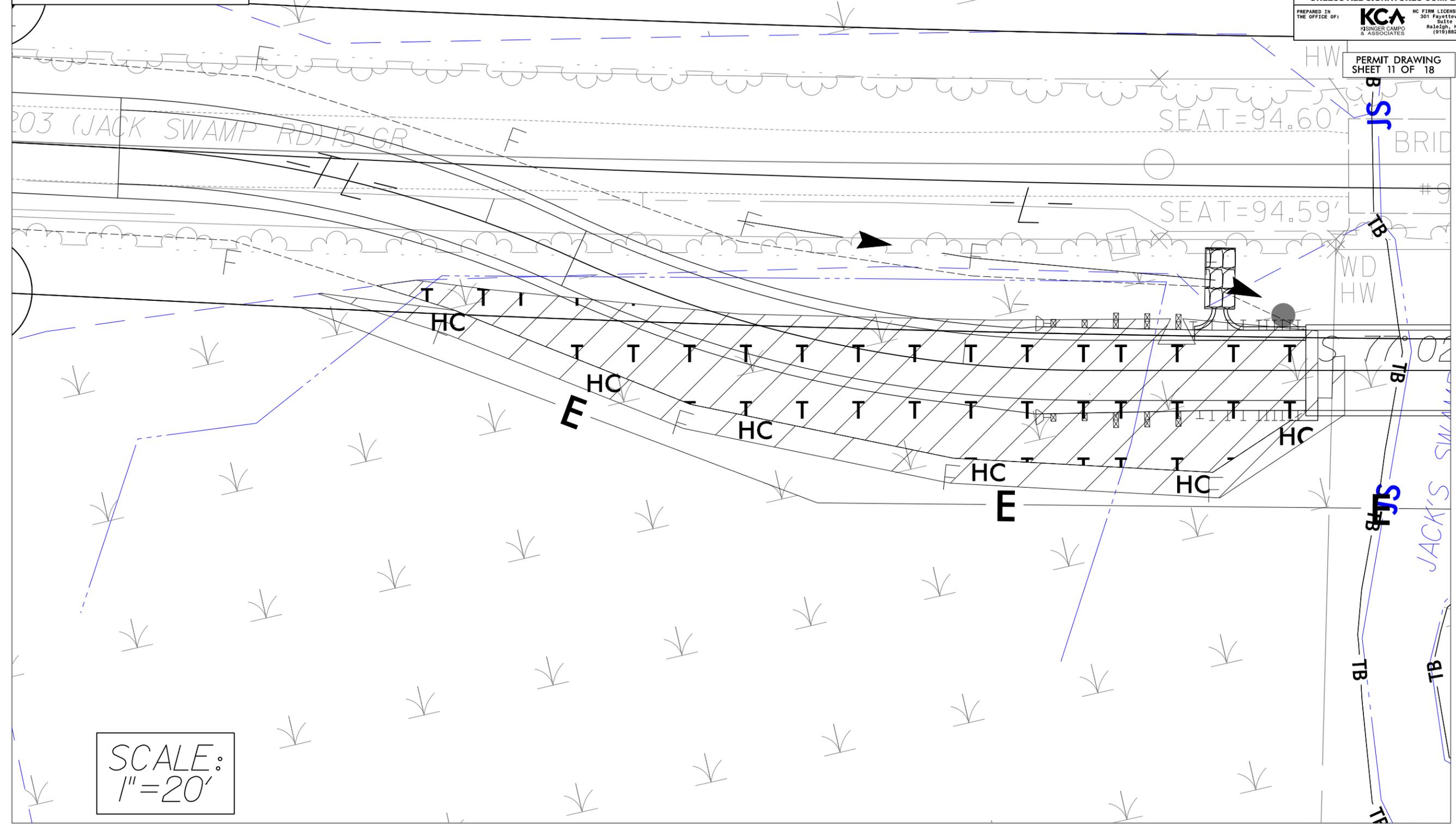
Revised 4/2/2020

# SITE 3 ENLARGEMENT

PROJECT REFERENCE NO. <i>BR-0118</i>	SHEET NO. <i>4</i>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
<b>PRELIMINARY PLANS</b> DO NOT USE FOR CONSTRUCTION	
<b>DOCUMENT NOT CONSIDERED FINAL</b> UNLESS ALL SIGNATURES COMPLETED	
PREPARED IN THE OFFICE OF:	<b>KCA</b> <small>NC FIRM LICENSE No: C-1500          301 Fayetteville St., Suite 1500          Raleigh, NC 27601          (919) 882-7839</small>

 DENOTES TEMPORARY FILL IN WETLAND

 DENOTES HAND CLEARING IN WETLANDS



SCALE:  
1" = 20'

8/17/99  
 31-MAR-2020 10:01  
 C:\4201726\X-SMU-Build Grant\BR-0118.D1-Northampton\_93\Hydraulics\CADD\PSH\BR-0118\_HYD\_PSH\_Permits\_Enlarge.dgn  
 At K14073

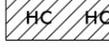
PERMIT DRAWING  
SHEET 11 OF 18

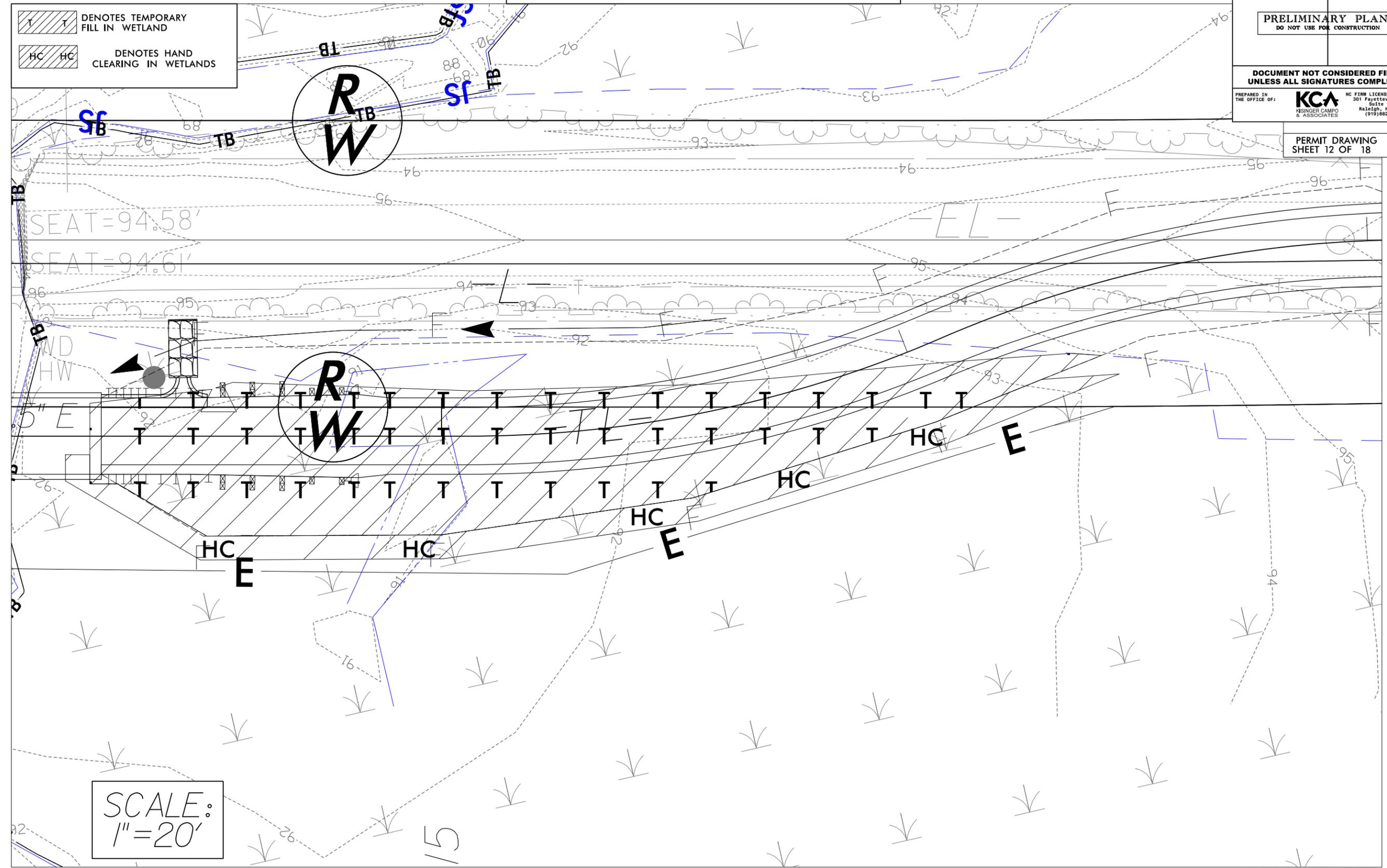
JACK'S SWAMP

Revised 4/2/2020

# SITE 4 ENLARGEMENT

PROJECT REFERENCE NO. <i>BR-0118</i>	SHEET NO. 4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
<b>PRELIMINARY PLANS</b> DO NOT USE FOR CONSTRUCTION	
<b>DOCUMENT NOT CONSIDERED FINAL</b> UNLESS ALL SIGNATURES COMPLETED	
PREPARED IN THE OFFICE OF:	<b>KCA</b> <small>NC FIRM LICENSE NO. C-1500          301 Fayetteville St., Suite 1500          Raleigh, NC 27601          (919) 882-7839</small>

 DENOTES TEMPORARY FILL IN WETLAND  
 DENOTES HAND CLEARING IN WETLANDS



SCALE:  
1" = 20'

31-MAR-2020 10:01  
 C:\4201726\X-SWU-Build Grant\BR-0118.D1-Nor-thampton\_93\Hydraulics\CADD\PSH\BR-0118\_HYD\_PSH\_Permit\_Enlargement.dgn  
 8/17/99  
 King

PERMIT DRAWING  
SHEET 12 OF 18

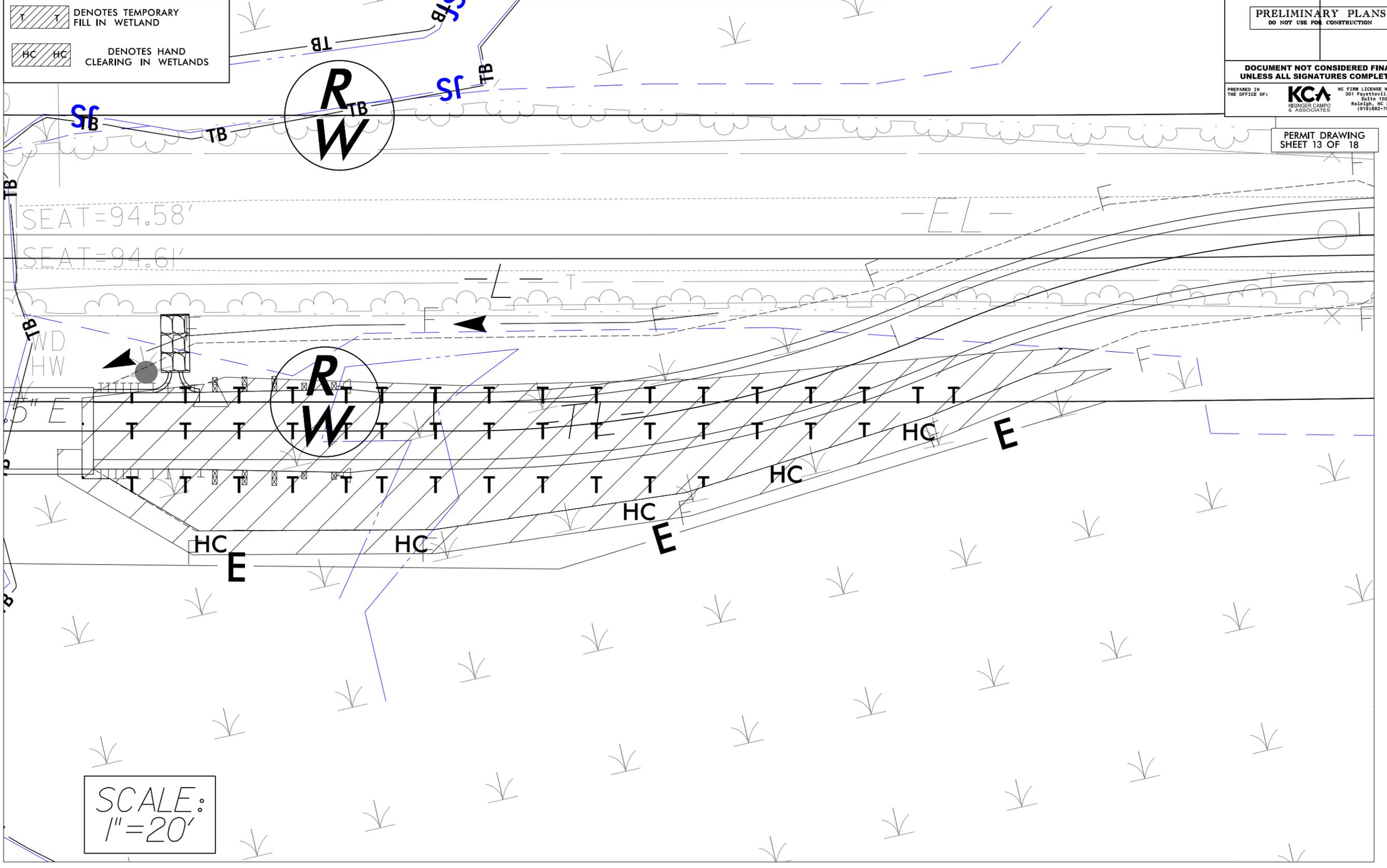
Revised 4/2/2020

# SITE 4 ENLARGEMENT

PROJECT REFERENCE NO. <i>BR-0118</i>	SHEET NO. <i>4</i>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
<b>PRELIMINARY PLANS</b> DO NOT USE FOR CONSTRUCTION	
<b>DOCUMENT NOT CONSIDERED FINAL</b> UNLESS ALL SIGNATURES COMPLETED	
PREPARED IN THE OFFICE OF:	<b>KCA</b> <small>KISINGER CAMPO &amp; ASSOCIATES</small> <small>NC FIRM LICENSE No: C-1500</small> <small>301 Fayetteville St., Suite 1500</small> <small>Raleigh, NC 27601</small> <small>(919)882-7839</small>

 DENOTES TEMPORARY FILL IN WETLAND  
 DENOTES HAND CLEARING IN WETLANDS

PERMIT DRAWING  
SHEET 13 OF 18



SCALE:  
1" = 20'

31-MAR-2020 10:40  
 C:\4201726\X-SWU-Build Grant\BR-0118.D1-Nor-thampton\_93\Hydraulics\CADD\PSH\BR-0118\_HYD\_PSH\_Permit\_Enlargement.dgn  
 At K14073

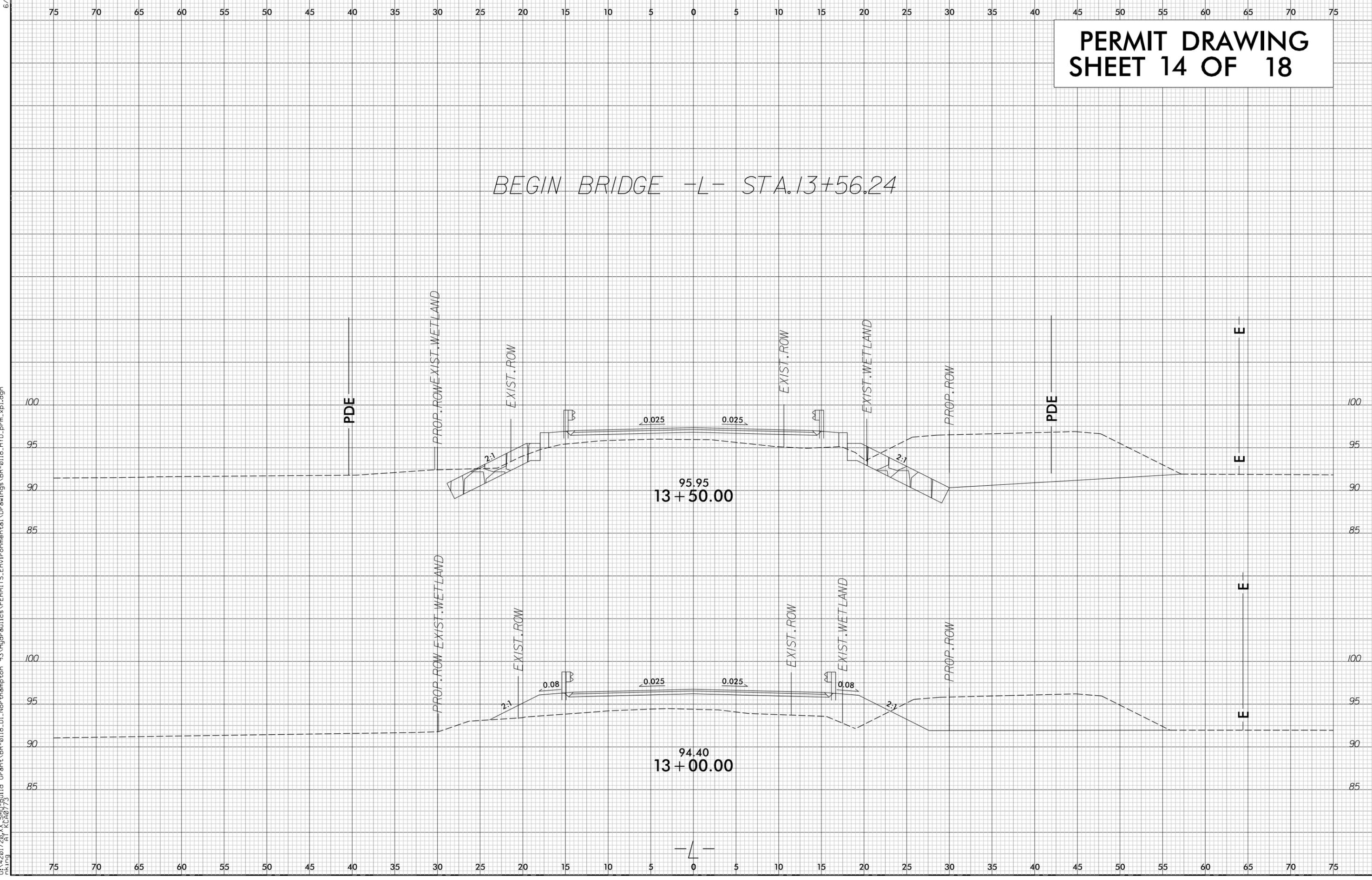
Revised 4/2/2020

6/23/16

0 2.5 5	PROJ. REFERENCE NO. BR-0118	SHEET NO. X-10
---------	--------------------------------	-------------------

**PERMIT DRAWING  
SHEET 14 OF 18**

BEGIN BRIDGE -L- STA. 13+56.24

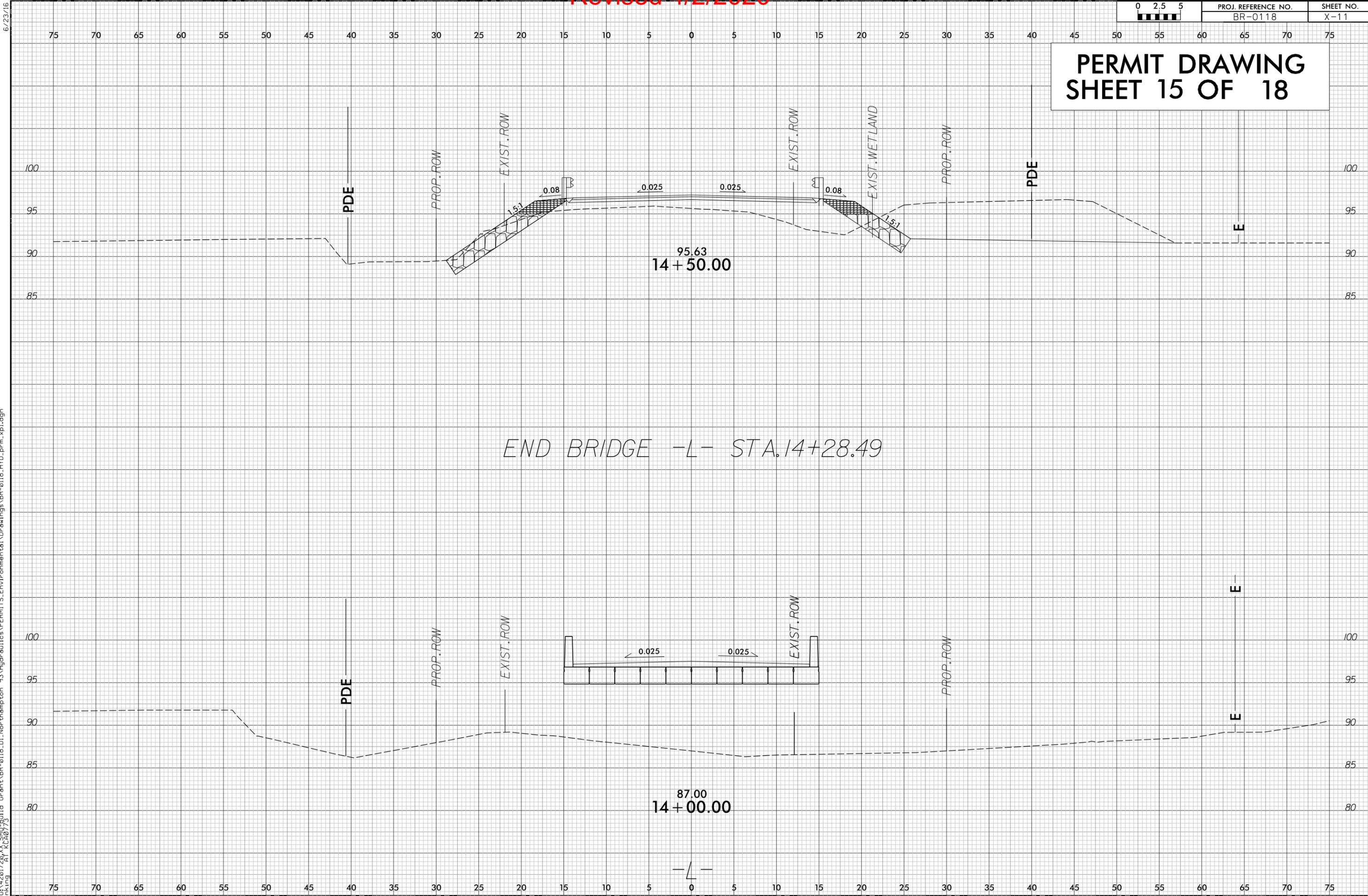


31-MAR-2020 10:02  
 C:\4201720\X\SWU\Build Grant\BR-0118.D1\_Nor-thampton 93\Hydro\lics\PERMITS\_Environmental\Drawings\BR-0118\_HYD\_prm\_xpl.dgn  
 At 13:07:33  
 rking

Revised 4/2/2020

0 2.5 5	PROJ. REFERENCE NO. BR-0118	SHEET NO. X-11
---------	--------------------------------	-------------------

PERMIT DRAWING  
SHEET 15 OF 18



END BRIDGE -L- STA. 14+28.49

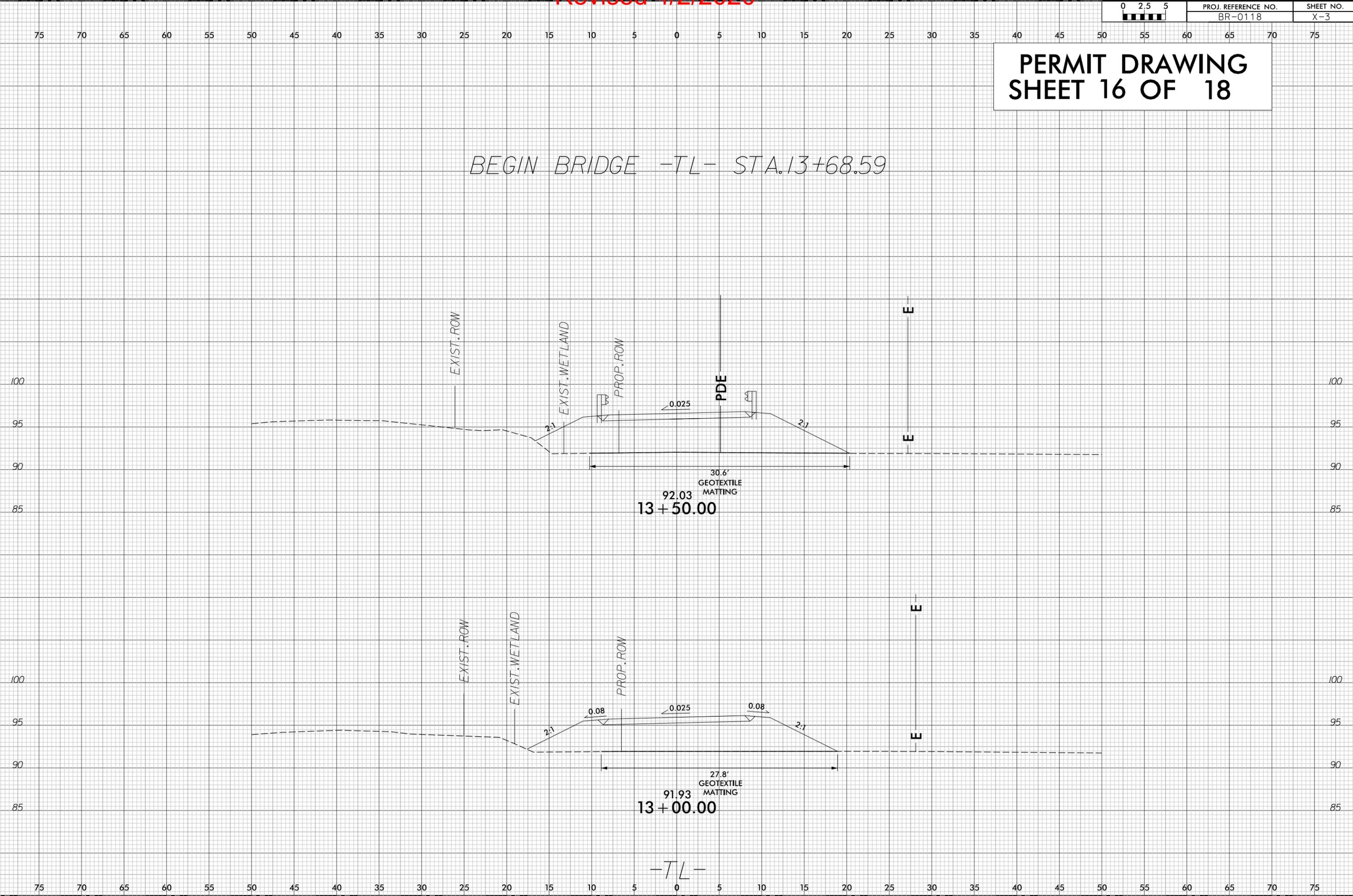
6/23/16  
31-MAR-2020 10:02  
C:\4201720\X\SS\Build Grant\BR-0118.D1\_Nor-thampton 93\Hydraulics\PERMITS\_Environmental\Drawings\BR-0118\_HYD\_prm\_xpl.dgn  
nkling

Revised 4/2/2020

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	BR-0118	X-3

**PERMIT DRAWING  
SHEET 16 OF 18**

BEGIN BRIDGE -TL- STA. 13+68.59



31-MAR-2020 10:02  
 C:\4201720\X\SWU-Build Grant\BR-0118.D1\_Nor-thampton 93-Hydrolics\PERMITS\_Environmental\Drawings\BR-0118\_HYD\_prm\_xpl.dgn  
 At 13+00.73  
 rking

-TL-

Revised 4/2/2020

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	BR-0118	X-5

PERMIT DRAWING  
SHEET 17 OF 18

6/23/16  
 31-MAR-2020 10:02  
 C:\4201720\X\SS\Build Grant\BR-0118.D1\_Nor-thampton 93\Hydro\lics\PERMITS\_Environmental\Drawings\BR-0118\_HYD\_prm\_xpl.dgn  
 At 12:00 PM  
 rking

