



Pre-Construction Notification (PCN) Form

For Nationwide Permits and Regional General Permits
(along with corresponding Water Quality Certifications)

September 29, 2018 Ver 3

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.

Also, if at any point you wish to print a copy of the E-PCN, all you need to do is right-click on the document and you can print a copy of the form.

Below is a link to the online help file.

<https://edocs.deq.nc.gov/WaterResources/0/edoc/624704/PCN%20Help%20File%202018-1-30.pdf>

A. Processing Information

County (or Counties) where the project is located:*

Northampton

Is this project a public transportation project?*

Yes No

This is any publicly funded by municipal, state or federal funds road, rail, airport transportation project.

Is this a NCDOT Project?*

Yes No

(NCDOT only) T.I.P. or state project number:

BR-0118

WBS #*

48827.1.1

(for NCDOT use only)

1a. Type(s) of approval sought from the Corps:*

Section 404 Permit (wetlands, streams and waters, Clean Water Act)

Section 10 Permit (navigable waters, tidal waters, Rivers and Harbors Act)

1b. What type(s) of permit(s) do you wish to seek authorization?*

Nationwide Permit (NWP)

Regional General Permit (RGP)

Standard (IP)

This form may be used to initiate the standard/individual permit process with the Corps. Please contact your Corps representative concerning submittals for standard permits. All required items that are not provided in the E-PCN can be added to the miscellaneous upload area located at the bottom of this form.

1c. Has the NWP or GP number been verified by the Corps?*

Yes No

Nationwide Permit (NWP) Number:

23 - Categorical Exclusions

NWP Numbers (for multiple NWPS):

List all NW numbers you are applying for not on the drop down list.

1d. Type(s) of approval sought from the DWR:*

check all that apply

401 Water Quality Certification - Regular

Non-404 Jurisdictional General Permit

Individual Permit

401 Water Quality Certification - Express

Riparian Buffer Authorization

1e. Is this notification solely for the record because written approval is not required?

*

For the record only for DWR 401 Certification:

Yes No

For the record only for Corps Permit:

Yes No

1f. Is this an after-the-fact permit application?*

Yes

No

1g. Is payment into a mitigation bank or in-lieu fee program proposed for mitigation of impacts?

If so, attach the acceptance letter from mitigation bank or in-lieu fee program

- Yes No

Acceptance Letter Attachment

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

FILETYPE MUST BE PDF

1h. Is the project located in any of NC's twenty coastal counties? *

- Yes No

1j. Is the project located in a designated trout watershed? *

- Yes No

Link to trout information: <http://www.saw.usace.army.mil/Missions/Regulatory-Permit-Program/Agency-Coordination/Trout.aspx>

B. Applicant Information

1a. Who is the Primary Contact? *

NCDOT

1b. Primary Contact Email: *

gcashin@ncdot.gov

1c. Primary Contact Phone: *

(xxx)xxx-xxxx
(919)707-6107

1d. Who is applying for the permit? *

- Owner (Check all that apply) Applicant (other than owner)

1e. Is there an Agent/Consultant for this project? *

- Yes No

2. Owner Information

2a. Name(s) on recorded deed: *

NCDOT

2b. Deed book and page no.:

2c. Responsible party:

(for Corporations)

2d. Address *

Street Address

1000 Birch Ridge Drive

Address Line 2

City

Raleigh

Postal / Zip Code

27604

State / Province / Region

NC

Country

USA

2e. Telephone Number: *

(xxx)xxx-xxxx

(919)707-6107

2f. Fax Number:

(xxx)xxx-xxxx

2g. Email Address: *

pharris@ncdot.gov

C. Project Information and Prior Project History

1. Project Information

1a. Name of project: *

Bridge No. 93 over Jacks Swamp on SR 1203 (BR-0118 Central)

1b. Subdivision name:

(if appropriate)

1c. Nearest municipality / town: *

Pleasant Hill

2. Project Identification

2a. Property Identification Number:

(tax PIN or parcel ID)

2b. Property size:

(in acres)

2c. Project Address

Street Address

Address Line 2

City

State / Province / Region

Postal / Zip Code

Country

2d. Site coordinates in decimal degrees

Please collect site coordinates in decimal degrees. Use between 4-6 digits (unless you are using a survey-grade GPS device) after the decimal place as appropriate, based on how the location was determined. (For example, most mobile phones with GPS provide locational precision in decimal degrees to map coordinates to 5 or 6 digits after the decimal place.)

Latitude: *

36.515306
ex: 34.208504

Longitude: *

-77.542509
-77.796371

3. Surface Waters**3a. Name of the nearest body of water to proposed project: ***

Jacks Swamp

3b. Water Resources Classification of nearest receiving water: *

25-4-2-3

[Surface Water Lookup](#)**3c. What river basin(s) is your project located in? ***

Chowan

3d. Please provide the 12-digit HUC in which the project is located. *

030102040705

[River Basin Lookup](#)**4. Project Description and History****4a. Describe the existing conditions on the site and the general land use in the vicinity of the project at the time of this application: ***

The project vicinity consists of agricultural, forest land and scattered rural residential uses.

Built in 1959 the bridge requires replacement due to deterioration of structural elements. The posted weight limits for the bridge are currently 17 Tons and 23 Tons for single vehicles and truck tractor-semi trailers, respectively. The existing bridge is 35 feet long with a clear roadway width of 19 feet. Bridge No. 093 has a sufficiency rating of 50.76 and is categorized as "Not Deficient". However, the steel superstructure and timber substructure elements show signs of deterioration and have had to be shored after previous inspections indicated advanced deterioration. This is a bridge replacement and safety improvement project.

4b. Have Corps permits or DWR certifications been obtained for this project (including all prior phases) in the past? *

Yes No Unknown

4d. Attach an 8 1/2 X 11 excerpt from the most recent version of the USGS topographic map indicating the location of the project site. (for DWR)

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

File type must be pdf

4e. Attach an 8 1/2 X 11 excerpt from the most recent version of the published County NRCS Soil Survey map depicting the project site. (for DWR)

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

File type must be pdf

4f. List the total estimated acreage of all existing wetlands on the property:

4.6

4g. List the total estimated linear feet of all existing streams on the property:

(intermittent and perennial)

533

4h. Explain the purpose of the proposed project: *

This project is comprised of the replacement of Bridge No. 650093 over Jacks Swamp on SR 1203 (Jack Swamp Road) in Northampton County, North Carolina. The bridge will be replaced on the existing alignment while detouring traffic onsite.

The replacement of Bridge No. 093 is part of the Growing Rural Economy and Agriculture through Transportation and Technology Enhancement or Replacement in North Carolina (GREATER-NC) Project under the United States Department of Transportation's 2018 Better Utilizing Investments to Leverage Development (BUILD) Grant program. The purpose of the grant and this bridge replacement project is to provide transportation infrastructure to support economic development and improve physical and digital connectivity in rural communities in North Carolina. The posted weight restriction on Bridge No. 093 prohibits large or heavy vehicles, typically used in transporting agricultural and manufactured products, from using the bridge. Replacing the existing bridge will eliminate posted weight limits by providing a safe crossing for all legal loads and will make accommodations for broadband installation in order to support economic competitiveness.

4i. Describe the overall project in detail, including indirect impacts and the type of equipment to be used.*

The proposed bridge will be a single span 70 feet long with a deck width of 30 feet, replacing the existing 35-foot long single span. The approach roadway will extend 320 feet and 470 on the west and east sides, respectively. The proposed design will provide ten foot paved lanes and no paved shoulders except in the vicinity of the proposed bridge. The bridge will be replaced on the existing alignment while detouring traffic onsite. Standard road building equipment will be used.

4j. Please upload project drawings for the proposed project.

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

BR-0118_PERMITS_WETLANDS_20200102.pdf

5.52MB

File type must be pdf

5. Jurisdictional Determinations

5a. Have the wetlands or streams been delineated on the property or proposed impact areas?*

Yes No Unknown

Comments:

5b. If the Corps made a jurisdictional determination, what type of determination was made?*

Preliminary Approved Not Verified Unknown N/A

Corps AID Number:

Example: SAW-2017-99999

SAW-2019-01058

5c. If 5a is yes, who delineated the jurisdictional areas?

Name (if known): Jim Mason

Agency/Consultant Company: Three Oaks Engineering, Inc.

Other:

5d. List the dates of the Corp jurisdiction determination or State determination if a determination was made by the Corps or DWR.

9/21/2019

5d1. Jurisdictional determination upload

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

SAW-2019-01058 NCDOT BR 0118 Jacks Swamp Road JD.pdf

259.69KB

File type must be PDF

6. Future Project Plans

6a. Is this a phased project?*

Yes No

Are any other NWP(s), regional general permit(s), or individual permits(s) used, or intended to be used, to authorize any part of the proposed project or related activity? This includes other separate and distant crossing for linear projects that require Department of the Army authorization but don't require pre-construction notification.

D. Proposed Impacts Inventory

1. Impacts Summary

1a. Where are the impacts associated with your project? (check all that apply):

Wetlands Streams-tributaries Buffers
 Open Waters Pond Construction

2. Wetland Impacts

If there are wetland impacts proposed on the site, then complete this question for each wetland area impacted.

"W." will be used in the table below to represent the word "wetland".

2a. Site #* (?)	2a1 Reason* (?)	2b. Impact type* (?)	2c. Type of W.*	2d. W. name*	2e. Forested*	2f. Type of Jurisdiction* (?)	2g. Impact area*
1	Roadway fill	P	Riverine Swamp Forest	WA,WD	Yes	Both	0.028 (acres)
1	Mechanized clearing	P	Riverine Swamp Forest	WA,WD	Yes	Both	0.017 (acres)
1	Bridge fill	P	Riverine Swamp Forest	WA,WD	Yes	Both	0.004 (acres)
1	Bridge excavation	P	Riverine Swamp Forest	WA,WD	Yes	Both	0.010 (acres)

1	Mechanized clearing	P	Riverine Swamp Forest	WA,WD	Yes	Both	0.009 (acres)
2	Bridge fill	P	Riverine Swamp Forest	WA,WD	Yes	Both	0.006 (acres)
2	Bridge excavation	P	Riverine Swamp Forest	WA,WD	Yes	Both	0.005 (acres)
2	Mechanized clearing	P	Riverine Swamp Forest	WA,WD	Yes	Both	0.003 (acres)
2	Roadway fill	P	Riverine Swamp Forest	WA,WD	Yes	Both	0.032 (acres)
2	Mechanized clearing	P	Riverine Swamp Forest	WA,WD	Yes	Both	0.002 (acres)
3	Detour fill	T	Riverine Swamp Forest	WD	Yes	Both	0.087 (acres)
3	Mechanized clearing	P	Riverine Swamp Forest	WD	Yes	Both	0.023 (acres)
4	Detour fill	T	Riverine Swamp Forest	WD	Yes	Both	0.106 (acres)
4	Mechanized clearing	P	Riverine Swamp Forest	WD	Yes	Both	0.026 (acres)

2g. Total Temporary Wetland Impact

0.193

2g. Total Permanent Wetland Impact

0.165

2g. Total Wetland Impact

0.358

2h. Comments:

3. Stream Impacts

If there are perennial or intermittent stream impacts (including temporary impacts) proposed on the site, then complete this question for all stream sites impacted.

"S." will be used in the table below to represent the word "stream".

	3a. Reason for impact * (?)	3b. Impact type *	3c. Type of impact *	3d. S. name *	3e. Stream Type * (?)	3f. Type of Jurisdiction *	3g. S. width * Average (feet)	3h. Impact length * (linear feet)
S1	Bridge	Temporary	Other	Jacks Swamp	Perennial	Both	40 Average (feet)	53 (linear feet)
S2	Bank Stabilization	Permanent	Bank Stabilization	Jacks Swamp	Perennial	Both	40 Average (feet)	125 (linear feet)

** All Perennial or Intermittent streams must be verified by DWR or delegated local government.

3i. Total jurisdictional ditch impact in square feet:

0

3i. Total permanent stream impacts:

125

3i. Total temporary stream impacts:

53

3i. Total stream and ditch impacts:

178

3j. Comments:

Permanent impacts to surface water total 0.009 acre, temporary impacts to surface water total 0.004 acre.

E. Impact Justification and Mitigation



1. Avoidance and Minimization

1a. Specifically describe measures taken to avoid or minimize the proposed impacts in designing the project.*

Offsite Detour – An offsite detour was not evaluated due to SR 1203 being a dead-end road, making an offsite detour not feasible. No-Build – The no build alternative would result in eventually closing the road, which is unacceptable given the volume traffic served by SR 1203 (Jack Swamp Road). Rehabilitation – The bridge was constructed in 1959 and the bridge materials are reaching the end of their useful life. Rehabilitation would require replacing the steel superstructure and timber substructure components, which would constitute effectively replacing the bridge. Staged Construction – Staged construction was not considered because the temporary structure can be built with minimum project disturbance. New Alignment – Given that the alignment for SR 1203 is acceptable, a new alignment was not considered as an alternative.

1b. Specifically describe measures taken to avoid or minimize the proposed impacts through construction techniques:*

Permanent Impacts – The proposed design will steepen roadway slopes to 2:1 or 1.5:1 with rock plating to minimize wetland impacts. Temporary Impacts – The proposed temporary design will steepen roadway slopes to as much as possible. The design will also utilize geotextile matting within wetland fill areas to minimize wetland impacts. The temporary fill will be removed and the area will be regraded to pre-construction contours and replanted with riparian vegetation.

2. Compensatory Mitigation for Impacts to Waters of the U.S. or Waters of the State

2a. Does the project require Compensatory Mitigation for impacts to Waters of the U.S. or Waters of the State?

Yes No

2c. If yes, mitigation is required by (check all that apply):

DWR Corps

2d. If yes, which mitigation option(s) will be used for this project?

Mitigation bank Payment to in-lieu fee program Permittee Responsible Mitigation

4. Complete if Making a Payment to In-lieu Fee Program

4a. Approval letter from in-lieu fee program is attached.

Yes No

4b. Stream mitigation requested:

(linear feet)

4c. If using stream mitigation, what is the stream temperature:

NC Stream Temperature Classification Maps can be found under the Mitigation Concepts tab on the Wilmington District's [RIBITS](#) website.

4d. Buffer mitigation requested (DWR only):

(square feet)

4e. Riparian wetland mitigation requested:

(acres)
0.165

4f. Non-riparian wetland mitigation requested:

(acres)

4g. Coastal (tidal) wetland mitigation requested:

(acres)

4h. Comments

Proposed permanent impacts may be reduced. A DMS acceptance letter will be provided once impacts are finalized.

6. Buffer mitigation (State Regulated Riparian Buffer Rules) - required by DWR

6a. Will the project result in an impact within a protected riparian buffer that requires buffer mitigation? If yes, you must fill out this entire form - please contact DWR for more information.

Yes No

F. Stormwater Management and Diffuse Flow Plan (required by DWR)

*** Recent changes to the stormwater rules have required updates to this section .***

1. Diffuse Flow Plan

1a. Does the project include or is it adjacent to protected riparian buffers identified within one of the NC Riparian Buffer Protection Rules?

Yes No

For a list of options to meet the diffuse flow requirements, click [here](#).

If no, explain why:

The Chowan basin does not have protected riparian buffers.

2. Stormwater Management Plan

2a. Is this a NCDOT project subject to compliance with NCDOT's Individual NPDES permit NCS000250?*

Yes No

Comments:

G. Supplementary Information

1. Environmental Documentation

1a. Does the project involve an expenditure of public (federal/state/local) funds or the use of public (federal/state) land? *

Yes No

1b. If you answered "yes" to the above, does the project require preparation of an environmental document pursuant to the requirements of the National or State (North Carolina) Environmental Policy Act (NEPA/SEPA)? *

Yes No

1c. If you answered "yes" to the above, has the document review been finalized by the State Clearing House? (If so, attach a copy of the NEPA or SEPA final approval letter.) *

Yes No

NEPA or SEPA Final Approval Letter

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

FILE TYPE MUST BE PDF

2. Violations (DWR Requirement)

2a. Is the site in violation of DWR Water Quality Certification Rules (15A NCAC 2H .0500), Isolated Wetland Rules (15A NCAC 2H .1300), or DWR Surface Water or Wetland Standards or Riparian Buffer Rules (15A NCAC 2B .0200)? *

Yes No

3. Cumulative Impacts (DWR Requirement)

3a. Will this project (based on past and reasonably anticipated future impacts) result in additional development, which could impact nearby downstream water quality? *

Yes No

3b. If you answered "no," provide a short narrative description.

Due to minimal transportation impact resulting from the bridge replacement the project will neither influence nearby land uses nor stimulate growth. Therefore, a detailed indirect or cumulative effects study will not be necessary.

4. Sewage Disposal (DWR Requirement)

4a. Is sewage disposal required by DWR for this project? *

Yes No N/A

5. Endangered Species and Designated Critical Habitat (Corps Requirement)

5a. Will this project occur in or near an area with federally protected species or habitat? *

Yes No

5b. Have you checked with the USFWS concerning Endangered Species Act impacts? *

Yes No

5c. If yes, indicate the USFWS Field Office you have contacted.

Raleigh

5d. Is another Federal agency involved? *

Yes No Unknown

What Federal Agency is involved?

NOAA Fisheries

5e. Is this a DOT project located within Division's 1-8? *

Yes No

5j. What data sources did you use to determine whether your site would impact Endangered Species or Designated Critical Habitat? *

NC Natural Heritage Program website, USFWS website, NOAA Fisheries database

Consultation Documentation Upload

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

File type must be PDF

6. Essential Fish Habitat (Corps Requirement)

6a. Will this project occur in or near an area designated as an Essential Fish Habitat? *

Yes No

6b. What data sources did you use to determine whether your site would impact an Essential Fish Habitat? *

NMFS Essential Fish Habitat Mapper

7. Historic or Prehistoric Cultural Resources (Corps Requirement)

Link to the State Historic Preservation Office Historic Properties Map (does not include archaeological data: <http://gis.ncdcr.gov/hpweb/>)

7a. Will this project occur in or near an area that the state, federal or tribal governments have designated as having historic or cultural preservation status (e.g., National Historic Trust designation or properties significant in North Carolina history and archaeology)?*

Yes No

7b. What data sources did you use to determine whether your site would impact historic or archeological resources?*

NEPA documentation

7c. Historic or Prehistoric Information Upload

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

File must be PDF

8. Flood Zone Designation (Corps Requirement)

Link to the FEMA Floodplain Maps: <https://msc.fema.gov/portal/search>

8a. Will this project occur in a FEMA-designated 100-year floodplain?*

Yes No

8b. If yes, explain how project meets FEMA requirements:

NCDOT Hydraulics Unit coordination with FEMA.

8c. What source(s) did you use to make the floodplain determination?*

FEMA floodplain maps.

Miscellaneous

Comments

Miscellaneous attachments not previously requested.

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

File must be PDF or KMZ

Signature

*

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

- I have given true, accurate, and complete information on this form;
- I agree that submission of this PCN 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 PCN form.

Full Name:*

Mack Christopher Rivenbark, III

Signature

Mack C. Rivenbark, III

Date

3/25/2020

**U.S. ARMY CORPS OF ENGINEERS
WILMINGTON DISTRICT**

Action Id. SAW-2019-01058 County: Northampton County U.S.G.S. Quad: Skippers

NOTIFICATION OF JURISDICTIONAL DETERMINATION

Property Owner/Applicant: NCDOT
Gordon Cashin
Address: 1598 MailService Center
Raleigh, NC, 27699

Telephone Number: (919) 707-6107

Size (acres)	<u>4</u>	Nearest Town	<u>Garysburg</u>
Nearest Waterway	<u>Jacks Swamp</u>	River Basin	<u>Albemarle-Chowan</u>
USGS HUC	<u>03010204</u>	Coordinates	Latitude: <u>36.515285</u> Longitude: <u>-77.542494</u>

Location description: The project area is located on Jacks Swamp Road approximately 4.9 miles north of the town of Garysburg in Northampton County, North Carolina.

Indicate Which of the Following Apply:

A. Preliminary Determination

- There are waters, including wetlands, on the above described project area, that may be subject to Section 404 of the Clean Water Act (CWA)(33 USC § 1344) and/or Section 10 of the Rivers and Harbors Act (RHA) (33 USC § 403). The waters, including wetlands, have been delineated, and the delineation has been verified by the Corps to be sufficiently accurate and reliable. Therefore this preliminary jurisdiction determination may be used in the permit evaluation process, including determining compensatory mitigation. For purposes of computation of impacts, compensatory mitigation requirements, and other resource protection measures, a permit decision made on the basis of a preliminary JD will treat all waters and wetlands that would be affected in any way by the permitted activity on the site as if they are jurisdictional waters of the U.S. This preliminary determination is not an appealable action under the Regulatory Program Administrative Appeal Process (Reference 33 CFR Part 331). However, you may request an approved JD, which is an appealable action, by contacting the Corps district for further instruction.
- There are wetlands on the above described property, that may be subject to Section 404 of the Clean Water Act (CWA)(33 USC § 1344) and/or Section 10 of the Rivers and Harbors Act (RHA) (33 USC § 403). However, since the waters, including wetlands, have not been properly delineated, this preliminary jurisdiction determination may not be used in the permit evaluation process. Without a verified wetland delineation, this preliminary determination is merely an effective presumption of CWA/RHA jurisdiction over all of the waters, including wetlands, at the project area, which is not sufficiently accurate and reliable to support an enforceable permit decision. We recommend that you have the waters of the U.S. on your property delineated. As the Corps may not be able to accomplish this wetland delineation in a timely manner, you may wish to obtain a consultant to conduct a delineation that can be verified by the Corps.

B. Approved Determination

- There are Navigable Waters of the United States within the above described property subject to the permit requirements of Section 10 of the Rivers and Harbors Act (RHA) (33 USC § 403) and Section 404 of the Clean Water Act (CWA)(33 USC § 1344). Unless there is a change in law or our published regulations, this determination may be relied upon for a period not to exceed five years from the date of this notification.
- There are waters of the U.S., including wetlands, on the above described project area subject to the permit requirements of Section 404 of the Clean Water Act (CWA) (33 USC § 1344). Unless there is a change in the law or our published regulations, this determination may be relied upon for a period not to exceed five years from the date of this notification.
- We recommend you have the waters of the U.S. on your property delineated. As the Corps may not be able to accomplish this wetland delineation in a timely manner, you may wish to obtain a consultant to conduct a delineation that can be verified by the Corps.



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

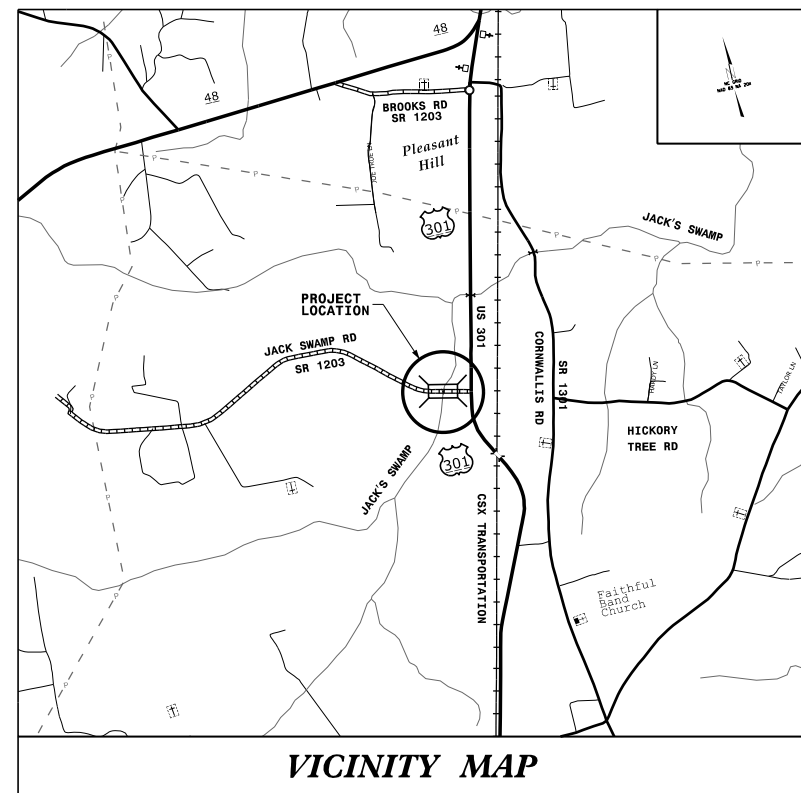
Project Length (lin. miles or feet):	913 ft	Surrounding Land Use:	Agricultural				
	Proposed Project			Existing Site			
Project Built-Upon Area (ac.)	0.5 ac.		0.30 ac.				
Typical Cross Section Description:	The proposed typical section on either side of the bridge will be normal crown with cross slope 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 parallel 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 #650093 on 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 surrounded 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 patterns 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)						

09_08/99

See Sheet 1A For Index of Sheets



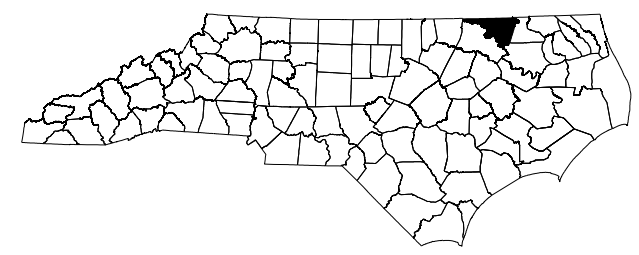
VICINITY MAP

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

NORTHAMPTON COUNTY

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

TYPE OF WORK: GRADING, DRAINAGE, PAVING AND STRUCTURE

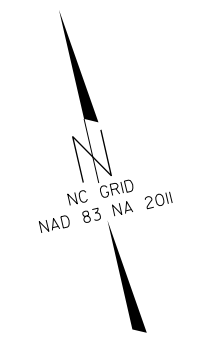


STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	BR-0118	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
48827.1.1	N/A	PE	
48827.2.1	N/A	R/W, UTILITIES	
48827.3.1	2020001	CONSTRUCTION	

WETLAND & STREAM IMPACTS

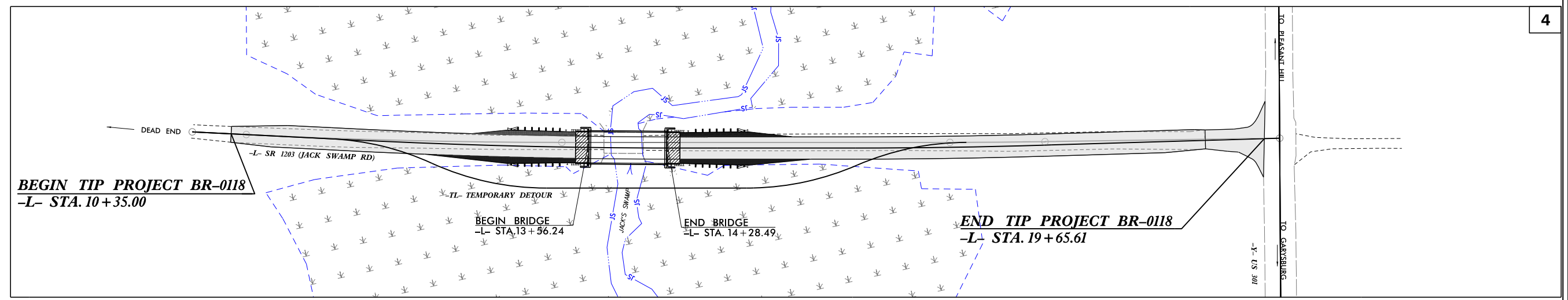
1/2020

PERMIT DRAWING
SHEET 1 OF 18



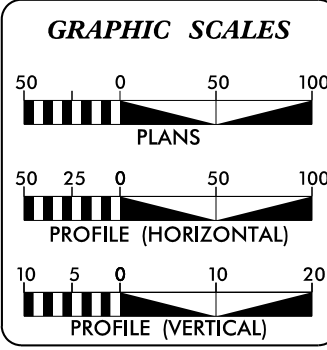
TIP PROJECT: BR-0118

CONTRACT: C204519



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
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



DESIGN DATA

ADT 2016 = 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

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

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE: DECEMBER 18, 2019

LETTING DATE: MAY 19, 2020

JOHN P. MAZERES, PE
PROJECT ENGINEER

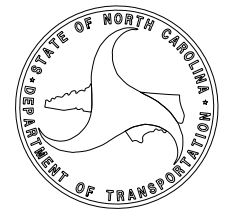
ANDREA B. JENSEN, EI
PROJECT DESIGN ENGINEER

HYDRAULICS ENGINEER

SIGNATURE: _____ P.E.

ROADWAY DESIGN ENGINEER

SIGNATURE: _____ P.E.



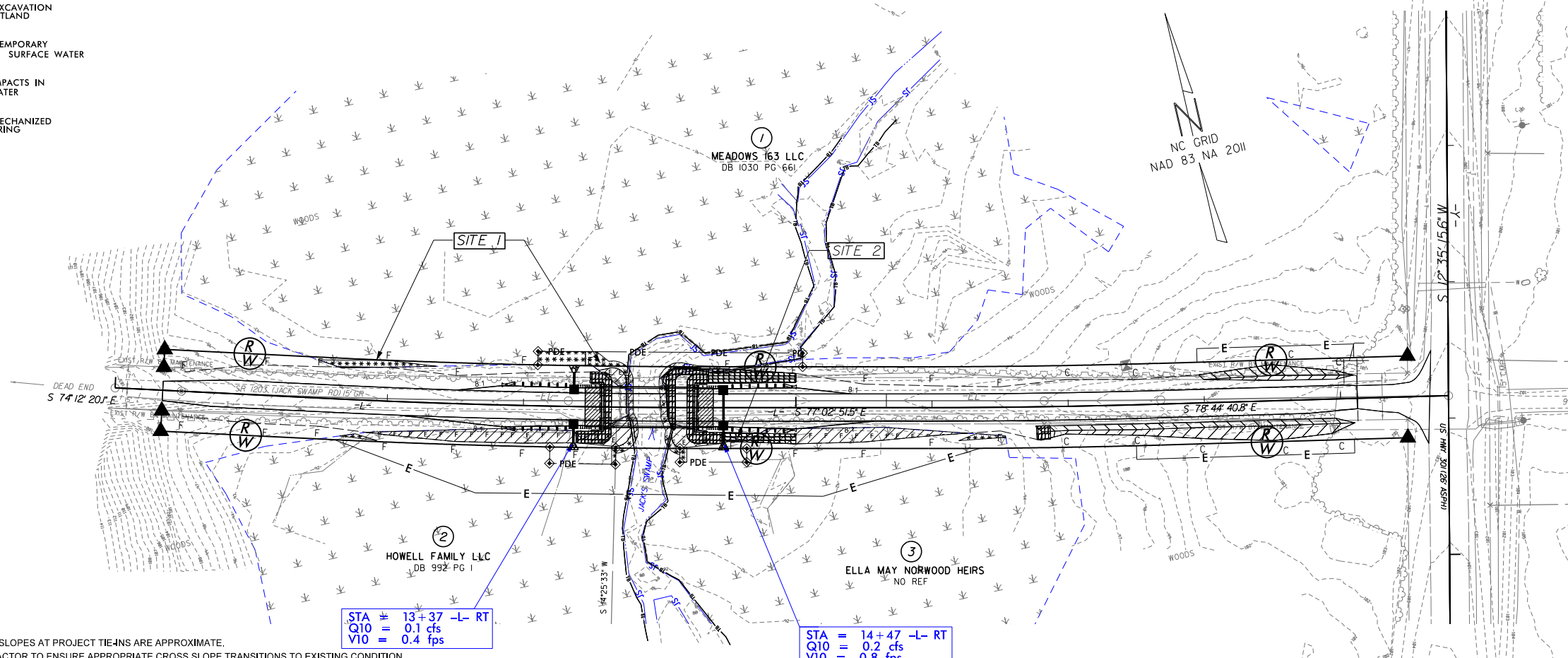
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8/17/99

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

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

PERMIT DRAWING SHEET 2 OF 18



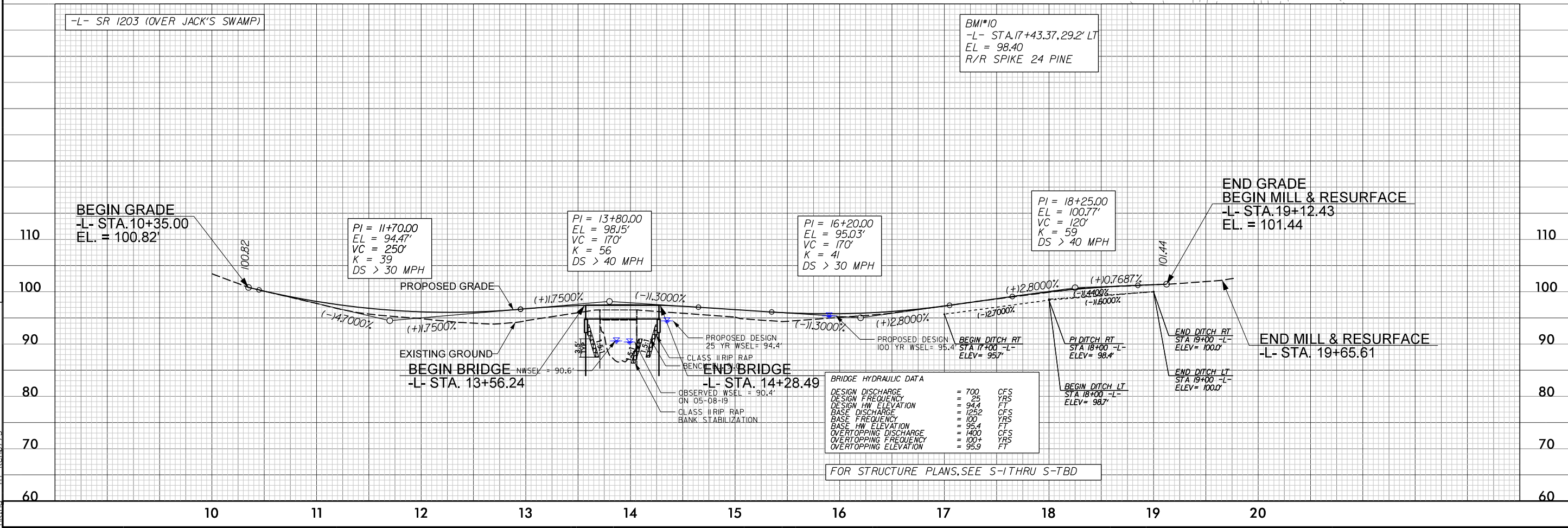
NOTE: CROSS SLOPES AT PROJECT TIE-INS ARE APPROXIMATE. CONTRACTOR TO ENSURE APPROPRIATE CROSS SLOPE TRANSITIONS TO EXISTING CONDITION

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

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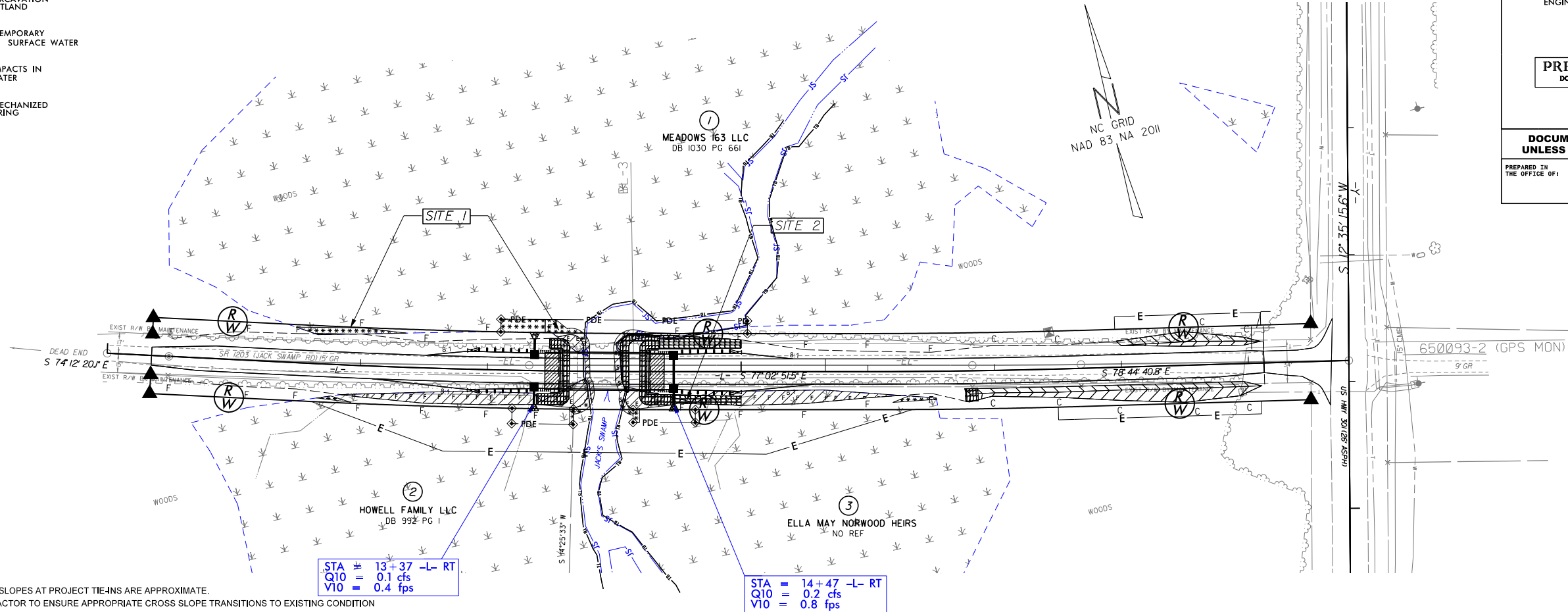


8/17/99

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

PROJECT REFERENCE NO. <i>BR-0118</i>		SHEET NO. <i>4</i>	
RW SHEET NO.		HYDRAULICS ENGINEER	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION			
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



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

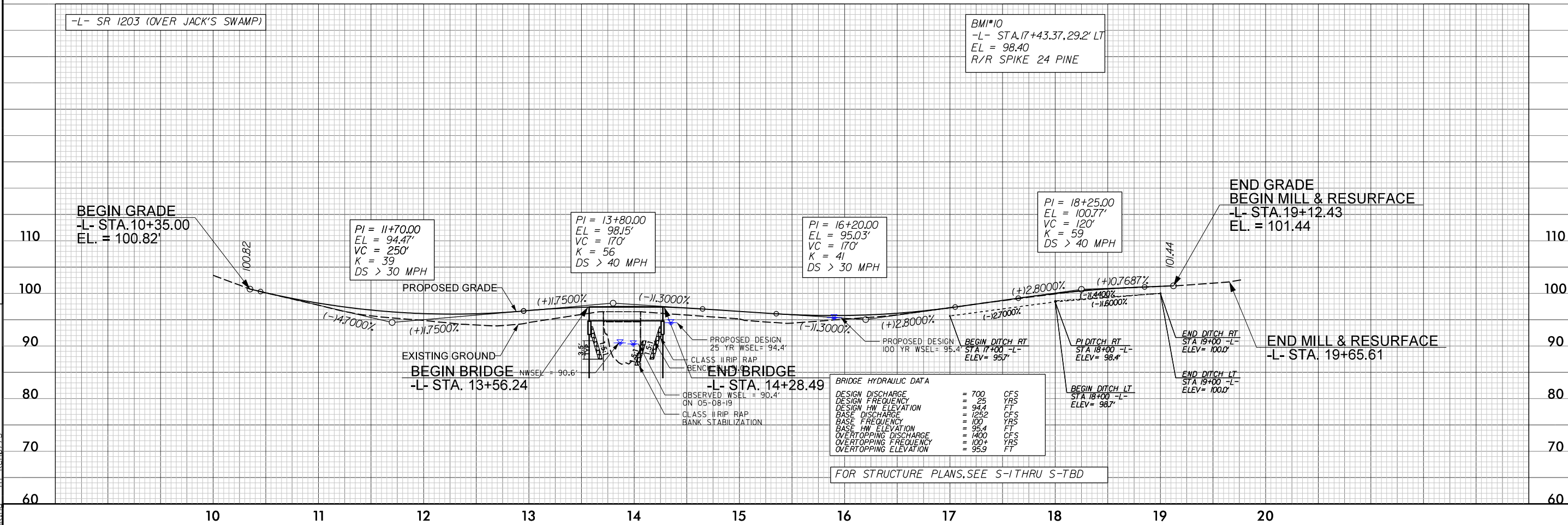
STA = 13+37 -L- RT
 Q10 = 0.1 cfs
 V10 = 0.4 fps

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

REVISIONS

-L- SR 1203 (OVER JACK'S SWAMP)

BMI#10
 -L- STA.17+43.37, 29.2' LT
 EL = 98.40
 R/R SPIKE 24 PINE



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8/17/99

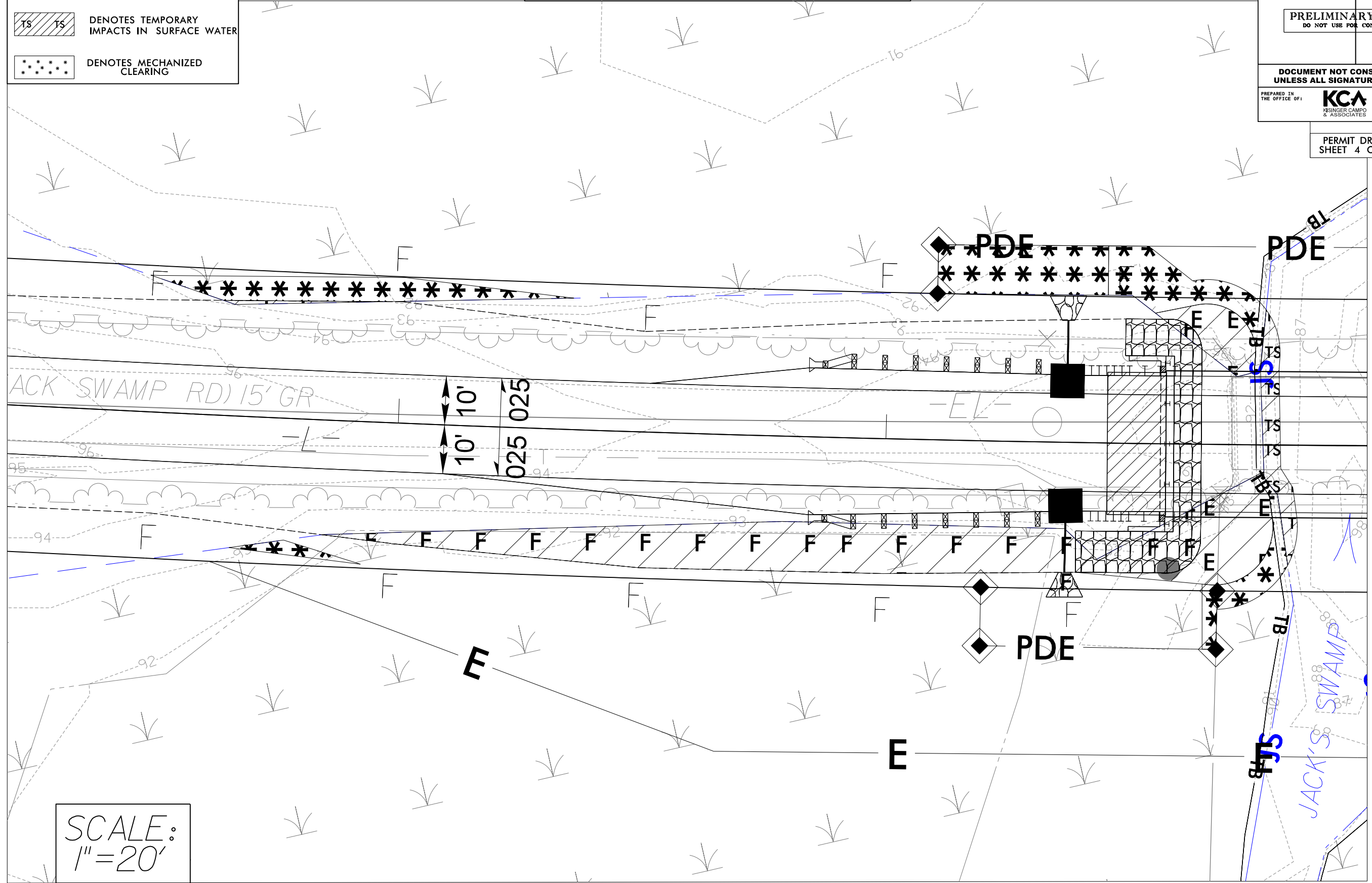
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	DENOTES FILL IN WETLAND
	DENOTES EXCAVATION IN WETLAND
	DENOTES TEMPORARY IMPACTS IN SURFACE WATER
	DENOTES MECHANIZED CLEARING

SITE 1 ENLARGEMENT

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

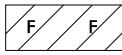
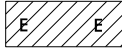
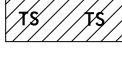

PERMIT DRAWING
SHEET 4 OF 18




SCALE:
1" = 20'

8/17/99

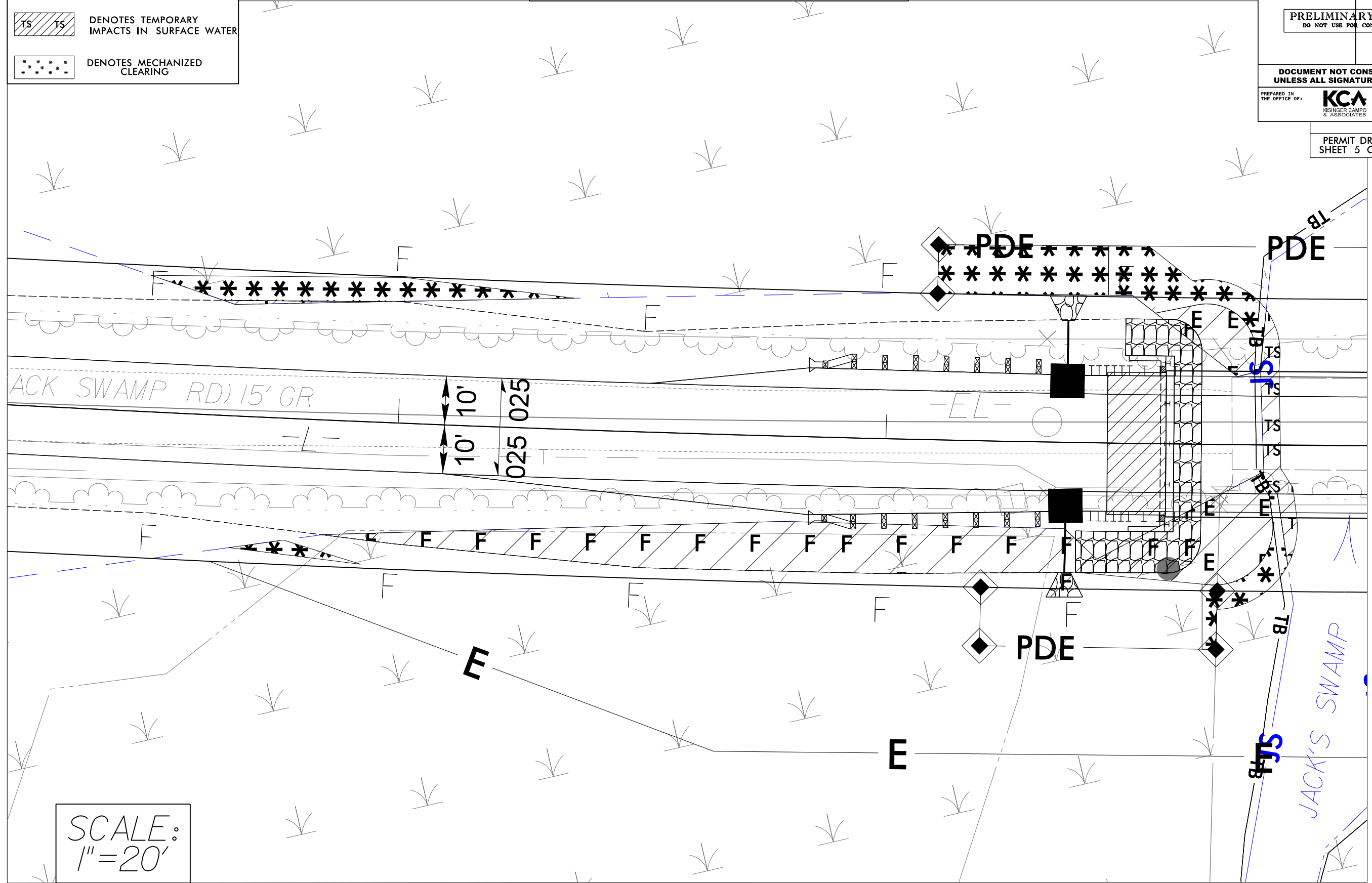
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At K:\A073

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

SITE I ENLARGEMENT

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

PERMIT DRAWING
SHEET 5 OF 18



8/17/99

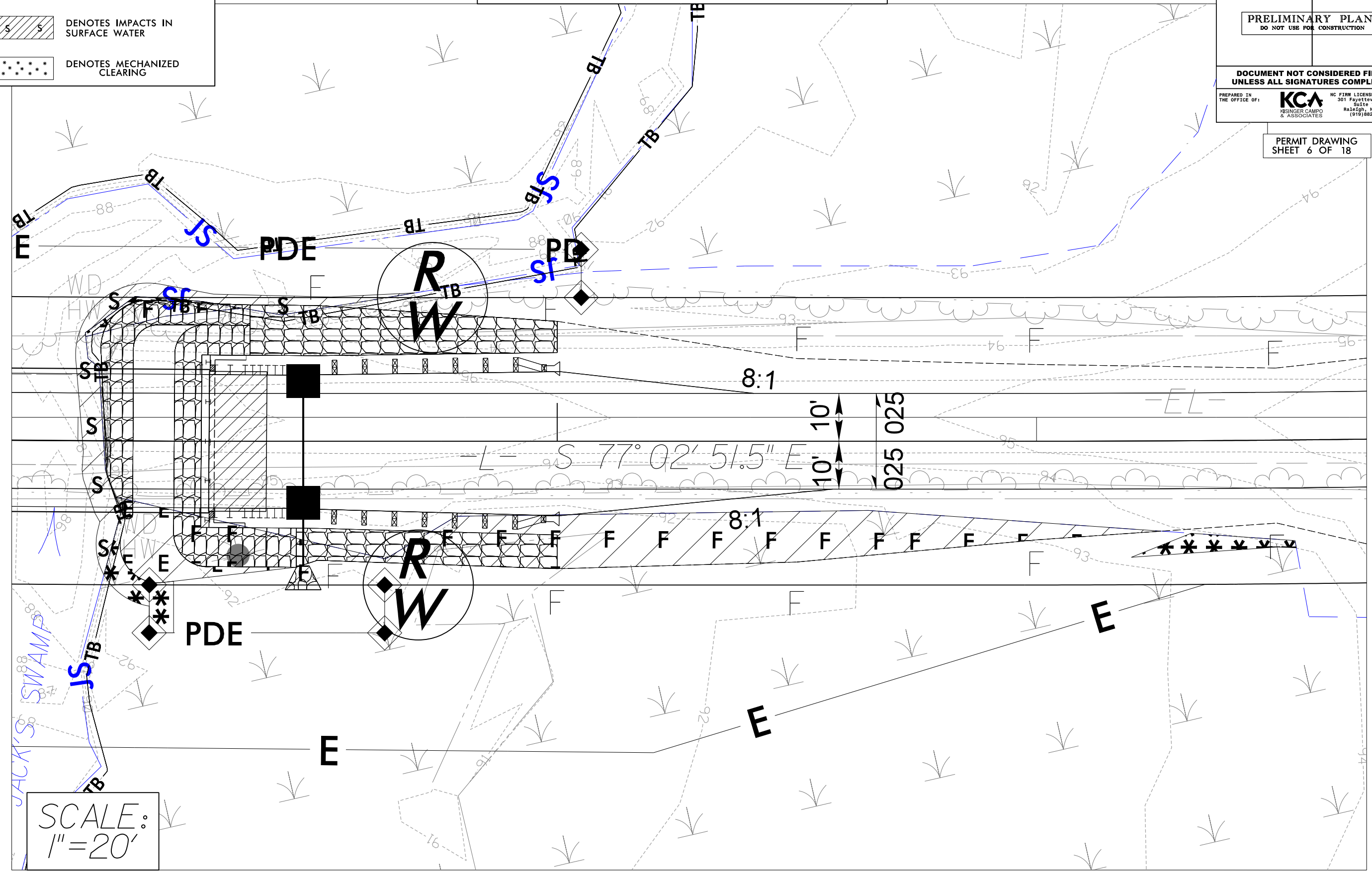
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	DENOTES FILL IN WETLAND
	DENOTES EXCAVATION IN WETLAND
	DENOTES IMPACTS IN SURFACE WATER
	DENOTES MECHANIZED CLEARING

SITE 2 ENLARGEMENT

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

PERMIT DRAWING
SHEET 6 OF 18



SCALE:
1" = 20'

8/17/99

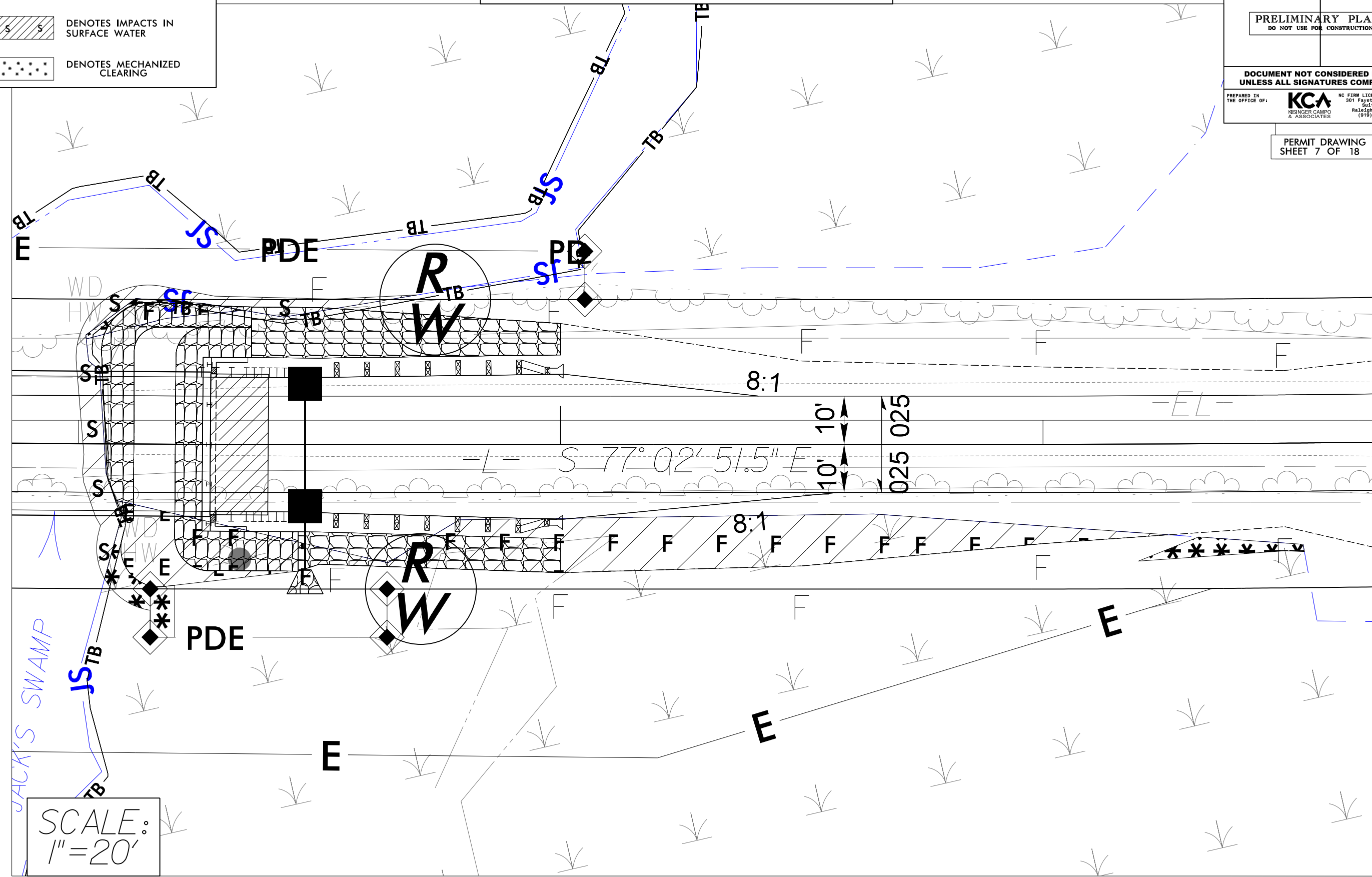
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At K:\0773

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

SITE 2 ENLARGEMENT

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

PERMIT DRAWING
SHEET 7 OF 18

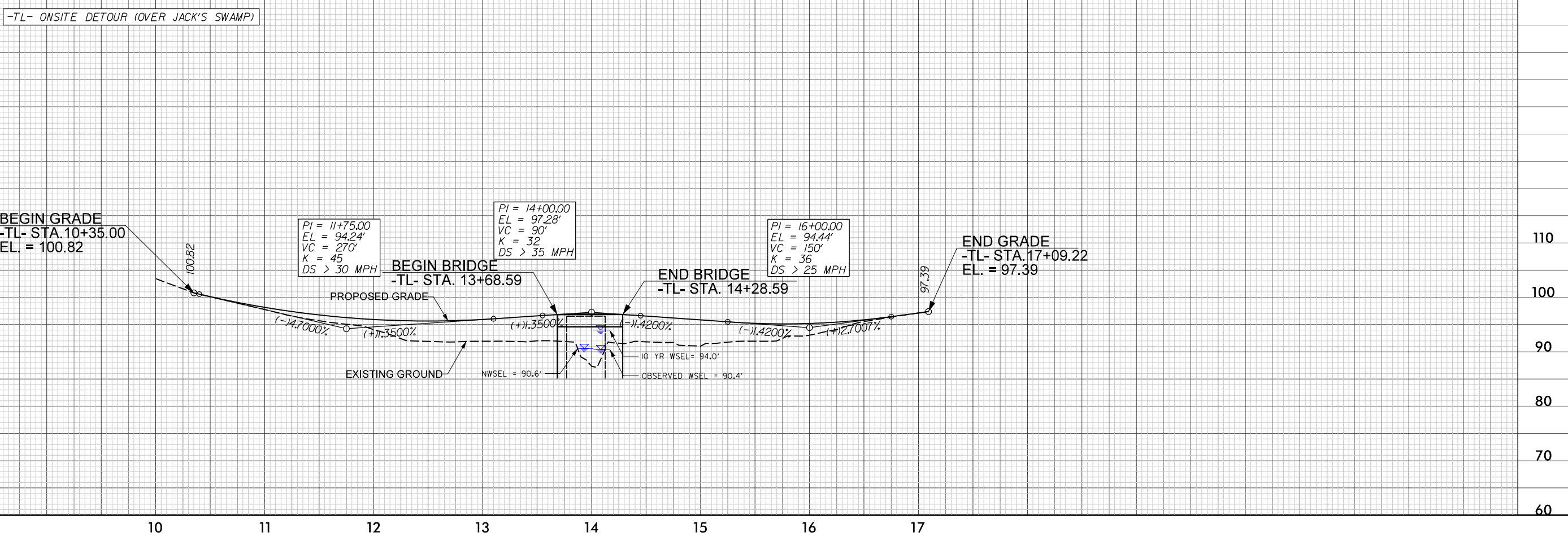
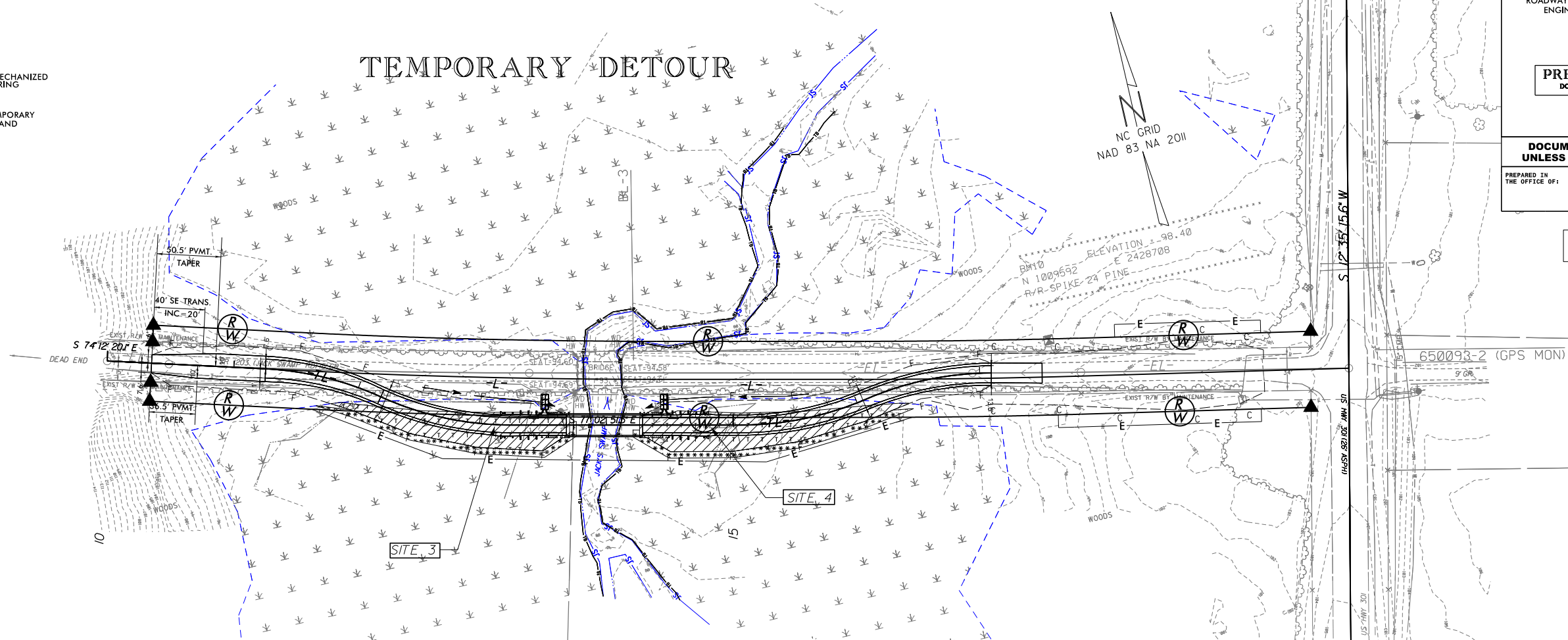


8/17/99

PROJECT REFERENCE NO. <i>BR-0118</i>		SHEET NO. <i>5</i>	
RW SHEET NO.		HYDRAULICS ENGINEER	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION			
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
PREPARED IN THE OFFICE OF:		KCA <small>KISINGER CAMPO & 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 MECHANIZED CLEARING
- DENOTES TEMPORARY FILL IN WETLAND

TEMPORARY DETOUR



REVISIONS



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8/17/99

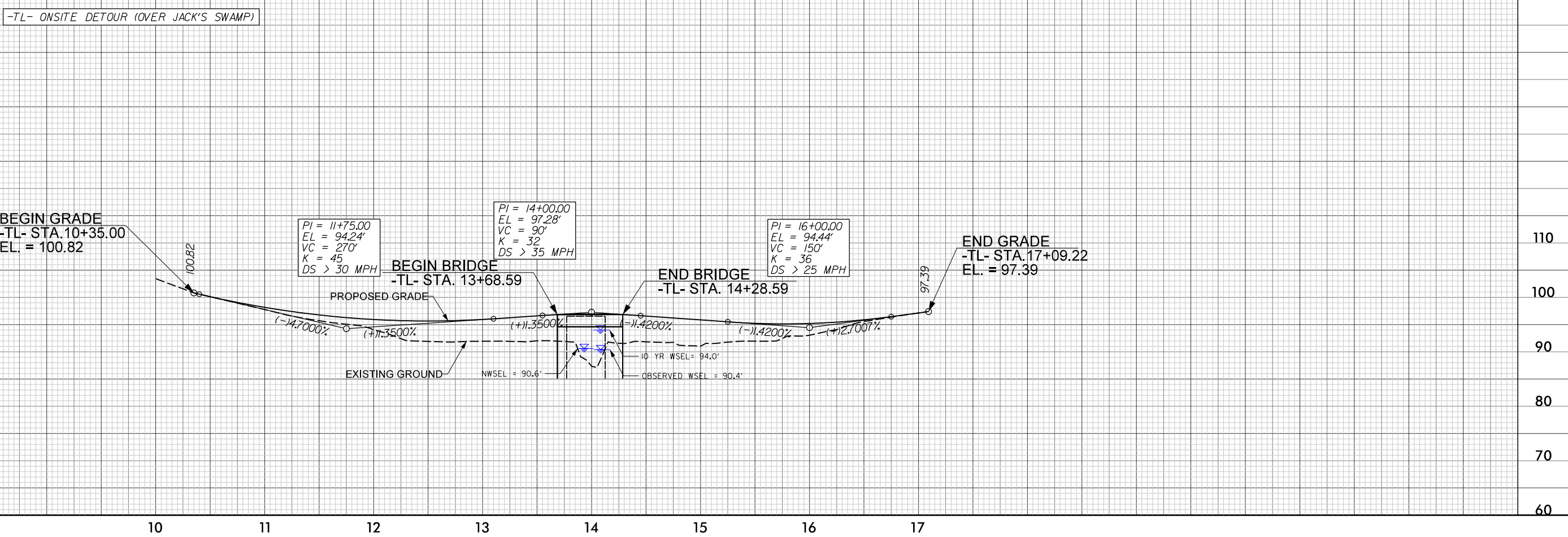
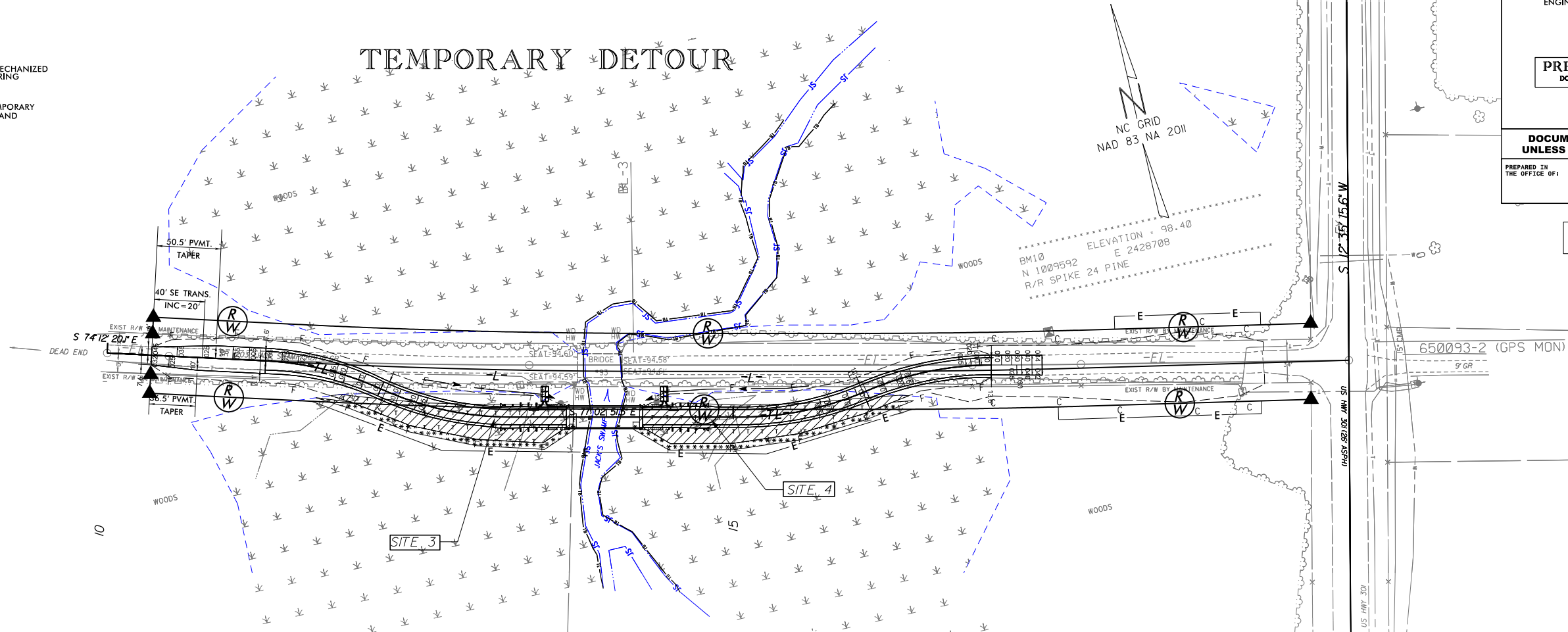
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PROJECT REFERENCE NO. <i>BR-0118</i>	SHEET NO. 5
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
PREPARED IN THE OFFICE OF:	KCA KESINGER CAMPO & ASSOCIATES <small>NC FIRM LICENSE NO. C-1500 301 Fayetteville St., Suite 1500 Raleigh, NC 27601 (919) 862-7839</small>

PERMIT DRAWING SHEET 9 OF 18

-  DENOTES MECHANIZED CLEARING
-  DENOTES TEMPORARY FILL IN WETLAND

TEMPORARY DETOUR



REVISIONS

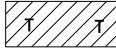

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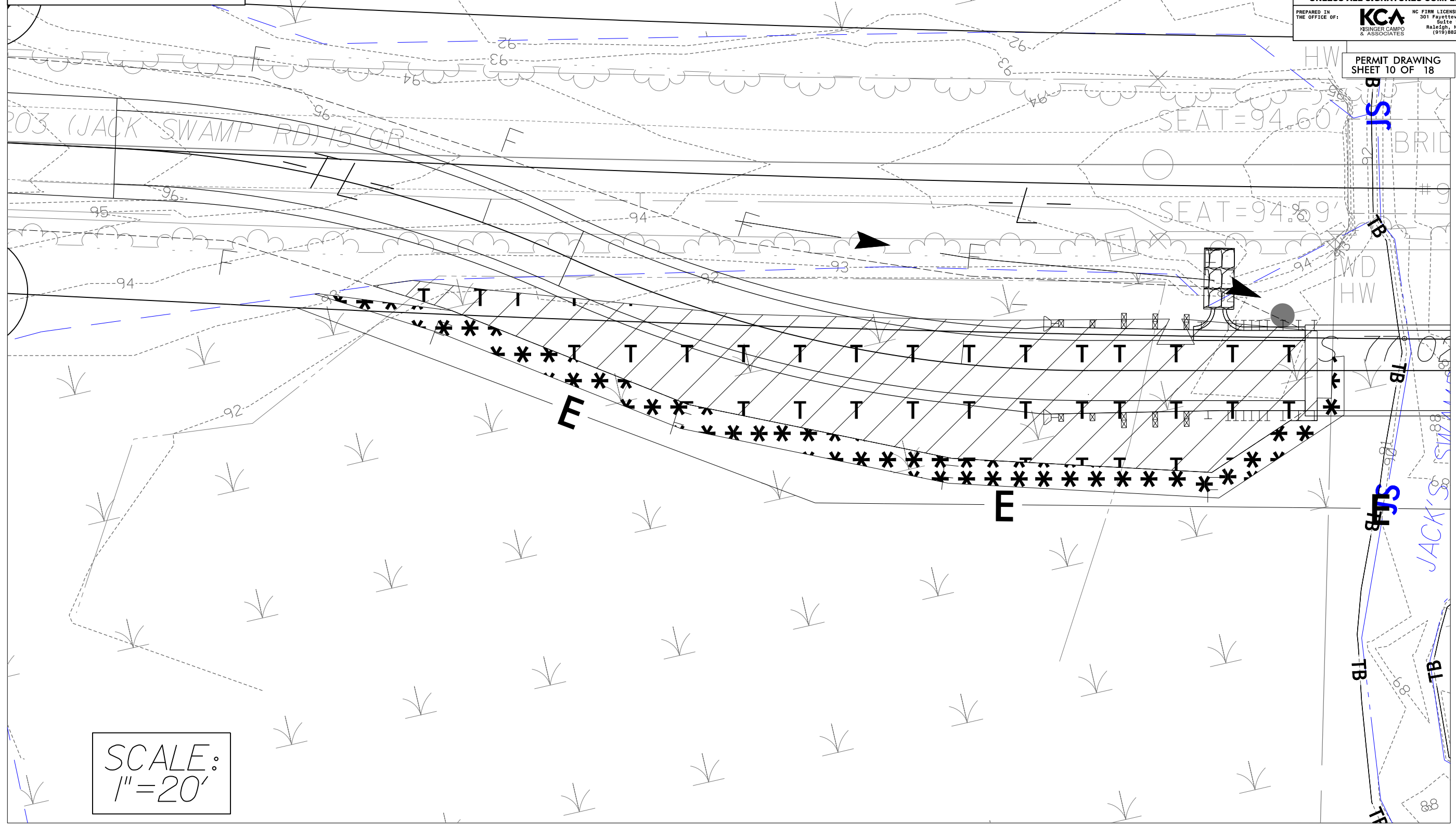
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SITE 3 ENLARGEMENT

PROJECT REFERENCE NO. <i>BR-0118</i>		SHEET NO. <i>4</i>	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION			
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
PREPARED IN THE OFFICE OF:		KCA <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 MECHANIZED CLEARING



SCALE:
1" = 20'

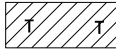

PERMIT DRAWING
SHEET 10 OF 18

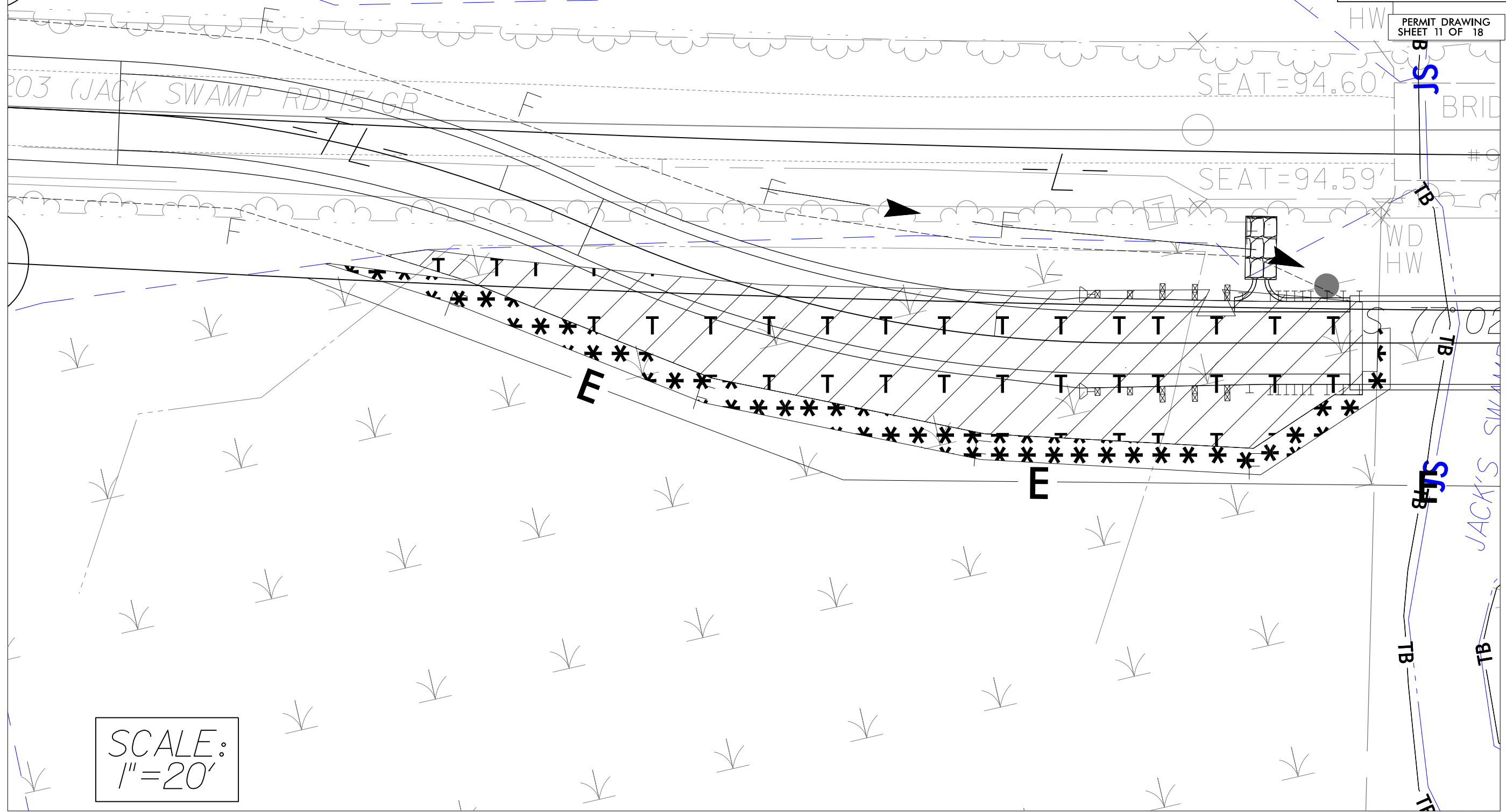
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SITE 3 ENLARGEMENT

PROJECT REFERENCE NO. <i>BR-0118</i>		SHEET NO. <i>4</i>	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION			
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
PREPARED IN THE OFFICE OF:		KCA <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 MECHANIZED CLEARING

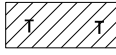



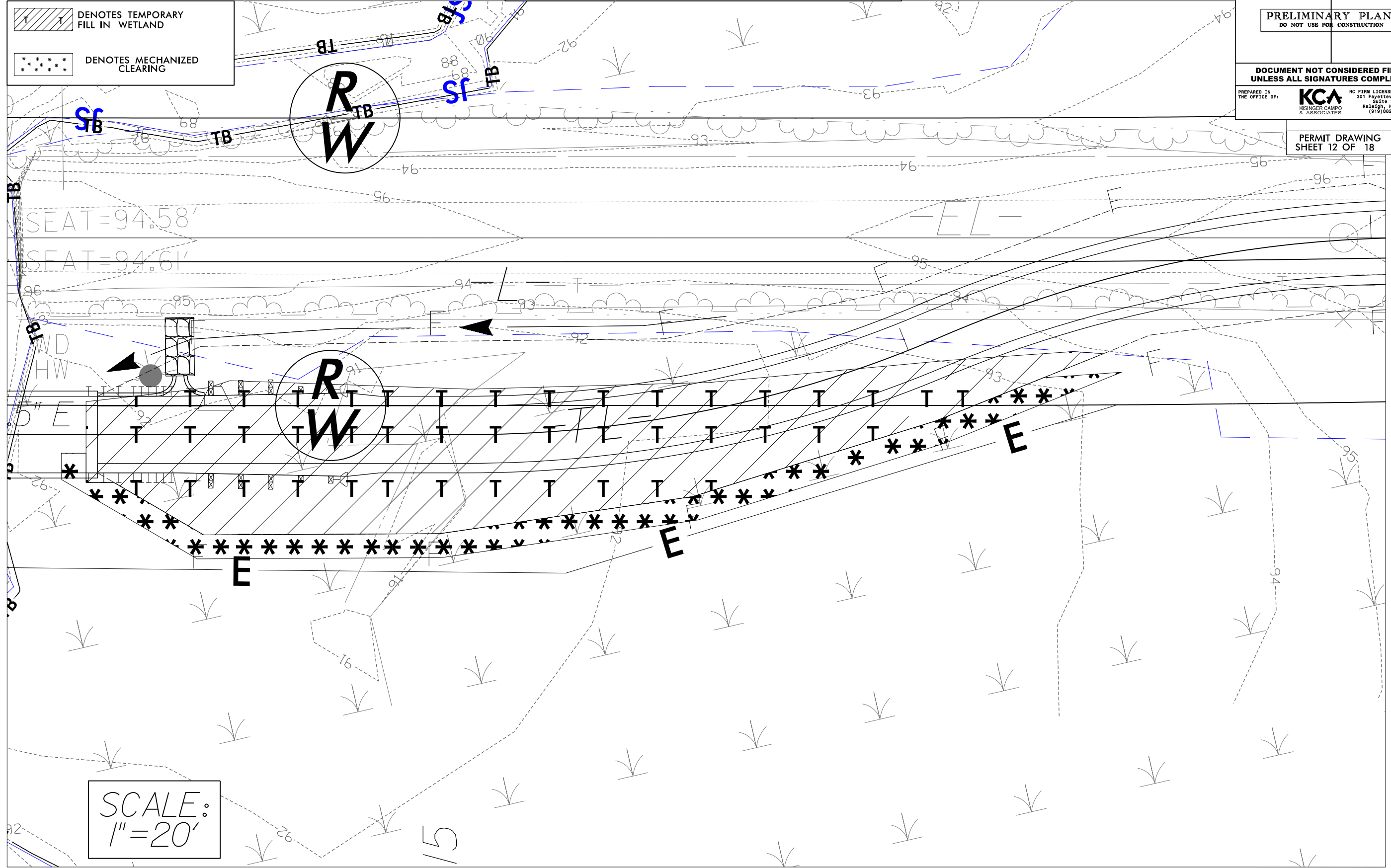
SCALE:
1" = 20'

PERMIT DRAWING
SHEET 11 OF 18

SITE 4 ENLARGEMENT

PROJECT REFERENCE NO. <i>BR-0118</i>	SHEET NO. 4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
PREPARED IN THE OFFICE OF:	KCA <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 MECHANIZED CLEARING



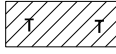

PERMIT DRAWING
SHEET 12 OF 18

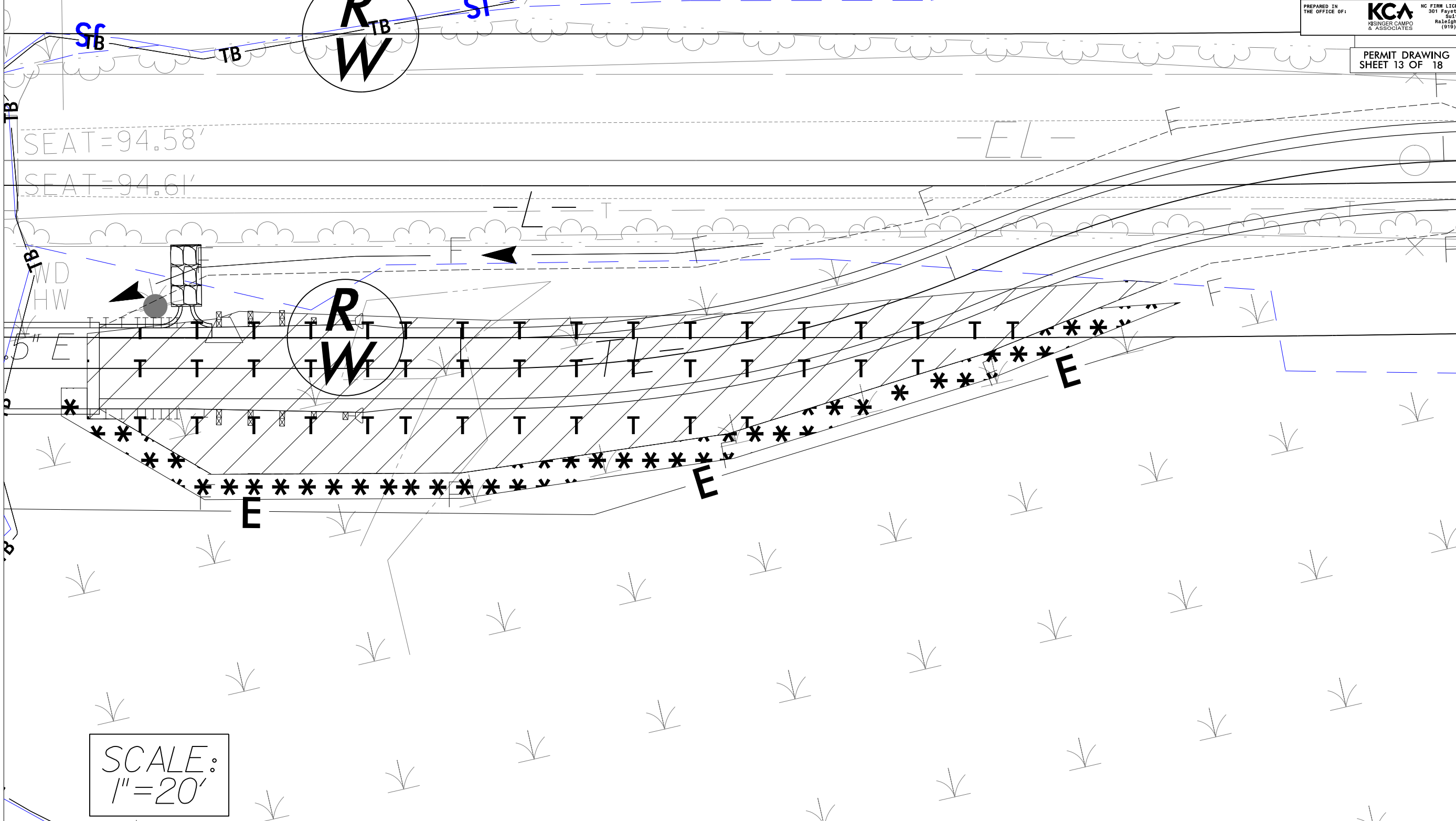
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SITE 4 ENLARGEMENT

PROJECT REFERENCE NO. <i>BR-0118</i>	SHEET NO. 4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
PREPARED IN THE OFFICE OF:	KCA <small>KISINGER CAMPO & 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 MECHANIZED CLEARING



SCALE:
1" = 20'

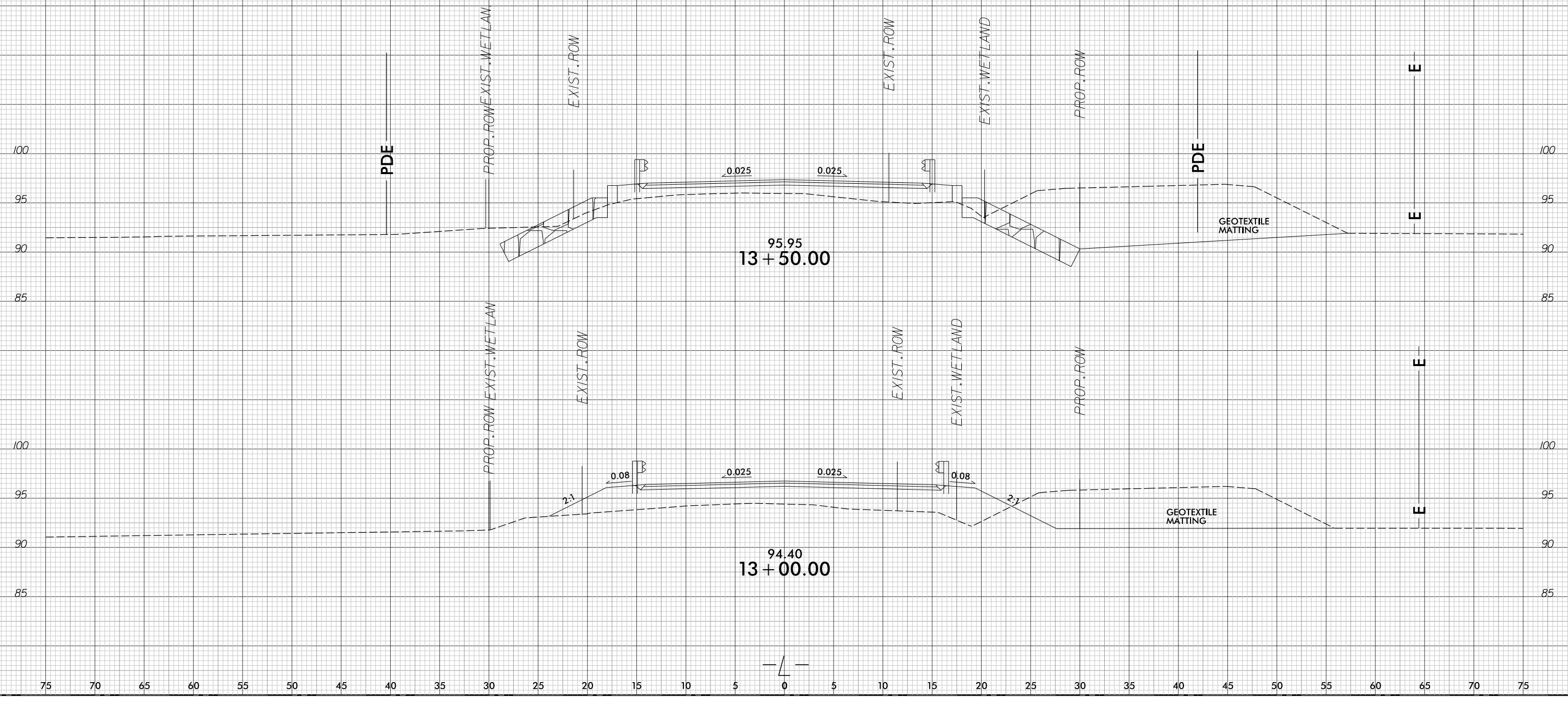
PERMIT DRAWING
SHEET 13 OF 18

6/23/16

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**PERMIT DRAWING
SHEET 14 OF 18**

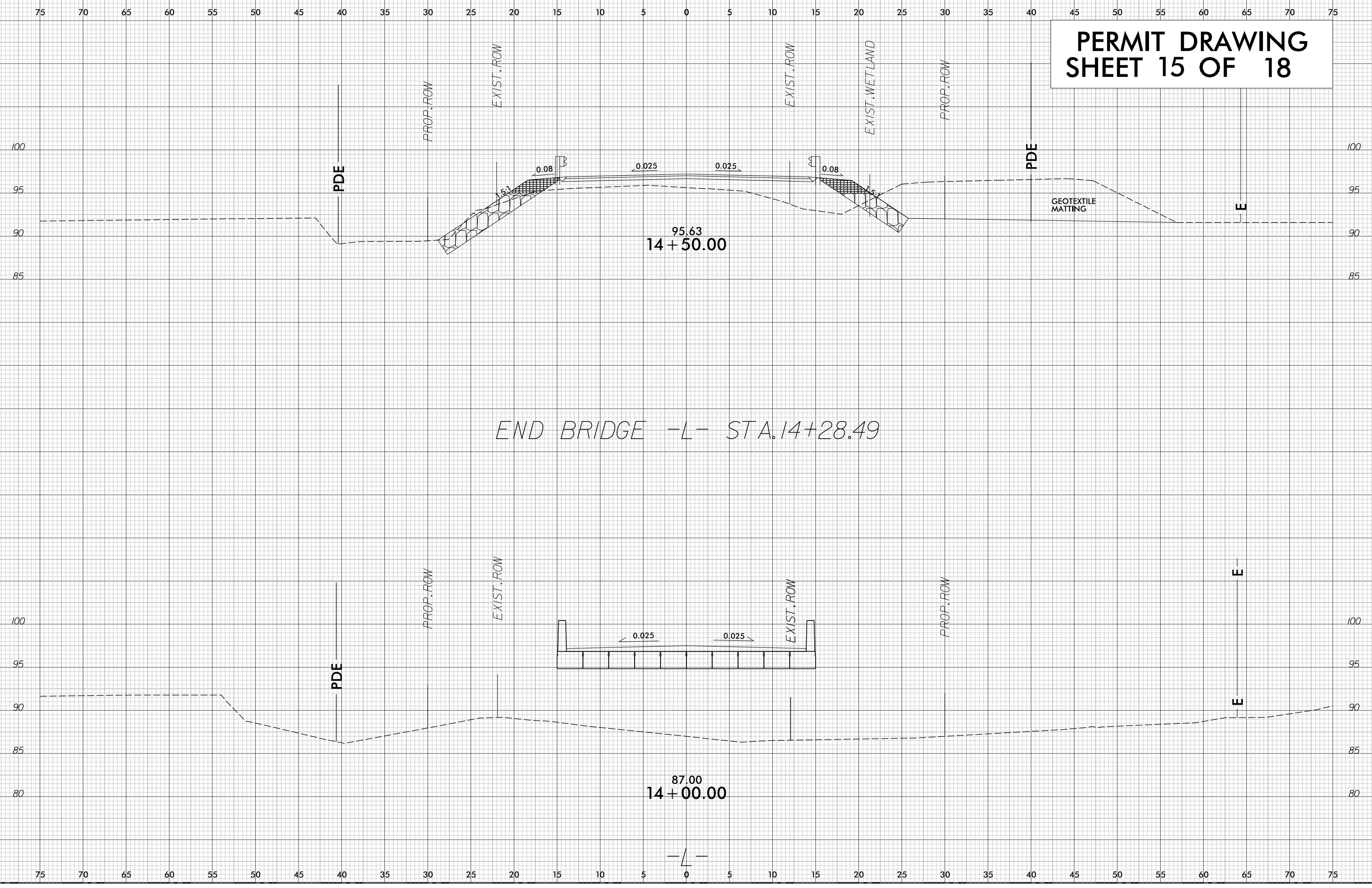
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6/23/16

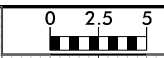
PERMIT DRAWING SHEET 15 OF 18



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 At 1/28/20
 rking

6/23/16



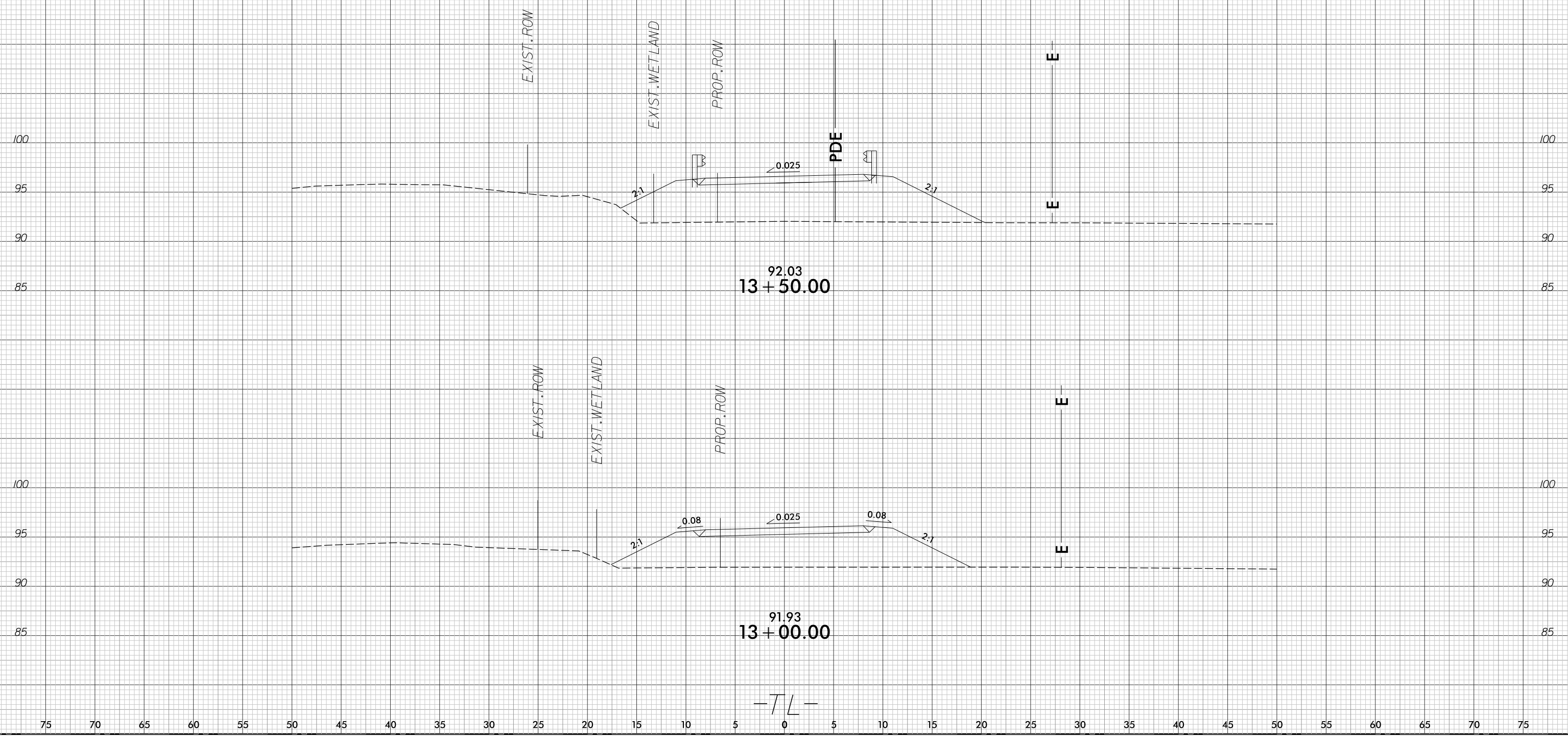
PROJ. REFERENCE NO.
BR-0118

SHEET NO.
X-11

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**PERMIT DRAWING
SHEET 16 OF 18**

BEGIN BRIDGE -TL- STA. 13+68.59

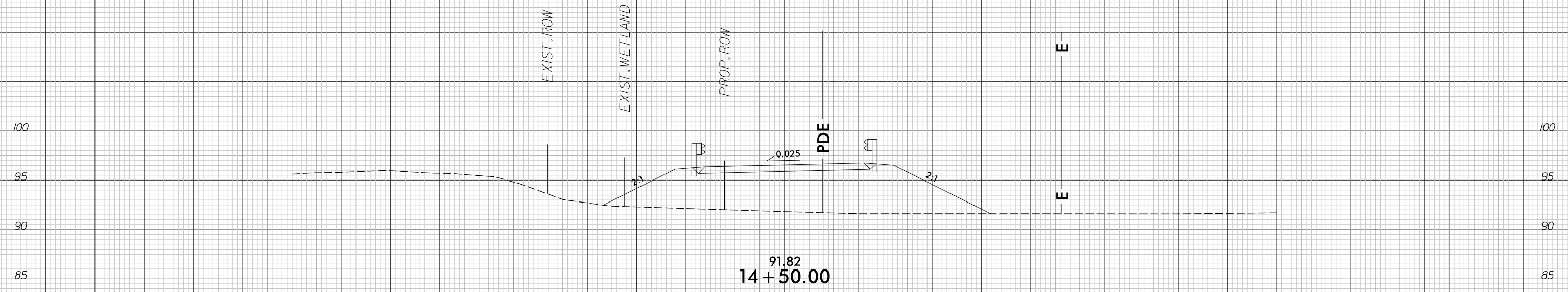


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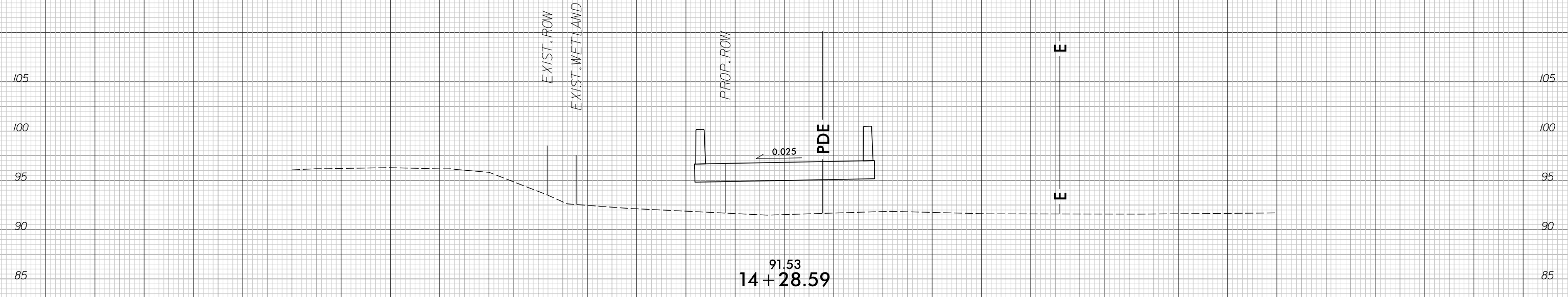
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**PERMIT DRAWING
SHEET 17 OF 18**



END BRIDGE -TL- STA. 14+28.59



-TL-

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

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