

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:*

Pitt

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: 17BP.2.R.92

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WBS #*

17BP.2.R.92 (for NCDOT use only)

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

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

E 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:	03 - Maintenance	
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		401 Water Quality Certification - Express
Non-404 Jurisdictional General Permit		Riparian Buffer Authorization
Individual Permit		
1e. Is this notification solely for the record because writ	ten approval is not required?	,
		*
For the record only for DWR 401 Certification:		○ Yes ⊙ No
For the record only for Corps Permit:		© Yes C No
1f. Is this an after-the-fact permit application? *		
© Yes		

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

ee program
0 No
iment
coastal counties?*
0 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 t	he F	Primary	Contact?*	
NC	DOT					

1b. Primary Contact Email:*

jldilday@ncdot.gov

1d. Who is applying for the permit? *

Owner

(Check all that apply)

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

4

⊙ 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	
Addess Life 2 City Raleigh Postal / Zip Code 27610	State / Province / Region NC Country USA
2e. Telephone Number:* (xxx)xxx-xxxx (919)707-6111	

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 171 over Johnson Mill Run on SR 1418 (17BP.2.R.92 - Central)

1b. Subdivision name:

(if appropriate)

1c. Nearest municipality / town:*

Greenville

2. Project Identification

1c. Primary Contact Phone:*

Applicant (other than owner)

<mark>(xxx)xxx-xxxx</mark> (919)707-6111

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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:*	Longitude:*
35.656803 ex: 34.208504	-77.403640 -77.796371
2 Surface Waters	

3. Surface Waters

3a. Name of the nearest body of water to proposed project:* Johnson Mill Run

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

Surface Water Lookup

3c. What river basin(s) is your project located in?*

Tar-Pamlico

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

030201030402

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:* Land use in the project vicinity consists primarily of agriculture and residential development.

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) Oick 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:

0

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

(intermittent and perennial)

225

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

The purpose of this project is to replace a structurally deficient bridge.

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

This project involves replacing the 53-foot, 3-span bridge with a 85-foot, 2-span bridge on existing alignment using an off-site detour. Standard road building equipment, such as trucks, dozers, and cranes 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	
17BP.2.R.92_Buffer_Drawings_2019-10-22.pdf	1.45MB
17BP.2.R.92_Permit_Drawings_2019-10-22.pdf	3.47MB
17BP.2.R.92_Utility_Buffer_Drawings_2019-10-22.pdf	1.42MB
File type must be pdf	

5. Jurisdictional Determinations

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

• Yes

Comments:

No wetlands were identified

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

NCDOT

○ Preliminary ○ Approved ⊙ Not Verified ○ Unknown ○ N/A

Corps AID Number:

Example: SAW-2017-99999

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

Name (if known): Tyler Stanton

Agency/Consultant Company:

Other:

5d1. Jurisdictional determination upload

Click the upload button or drag and drop files here to attach document File type must be PDF

6. Future Project Plans

6a. Is this a phased project? *

C Yes O 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	\bigcirc
1. Impacts Summary	
1a. Where are the impacts associated with your project? (check all that apply):	

Buffers

3. Stream Impacts

Wetlands

C Open Waters

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".

Streams-tributaries

Pond Construction

	3a. Reason for impact * (?)	3b.Impact type *	3c. Type of impact *	3d. S. name *		3f. Type of Jurisdiction *		3h. Impact length [*]
S1	Ditch outfall/riprap	Permanent	Rip Rap Fill	Johnson Mill Run	Perennial	Both	25 Average (feet)	19 (linear feet)
S2	Ditch outfall/riprap	Temporary	Rip Rap Fill	Johnson Mill Run	Perennial	Both	25 Average (feet)	43 (linear feet)

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

3i. Total jurisdictional ditch impact in square feet:

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3i. Total permanent stream impacts:
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31. 19

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3i. Total temporary stream impacts:
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43

3i. Total stream and ditch impacts:

62

3j. Comments:

6. Buffer Impacts (for DWR)

If project will impact a protected riparian buffer, then complete the chart below. Individually list all buffer impacts below.

6a. Project is in which protect basin(s)?*

Check all that apply.

NeuseCatawba

Goose Creek

C Other

Tar-Pamlico
 Randleman
 Jordan Lake

6b. Impact Type * (?)	6c. Per or Temp*(?)	6d. Stream name *	6e. Buffer mitigation required?*	6f. Zone 1 impact*	6g. Zone 2 impact*
Bridge-Allowable	Ρ	Johnson Mill Run	No	1,642 (square feet)	1,589 (square feet)
Bridge (Utility)-Allowable	Ρ	Johnson Mill Run	No	782 (square feet)	477 (square feet)

6h. Total buffer impacts:

	Zone 1	Zone 2
Total Temporary impacts:	0.00	0.00
	Zone 1	Zone 2
Total Permanent impacts:	2,424.00	2,066.00
K		
	Zone 1	Zone 2
Total combined buffer impacts:	2,424.00	2,066.00

6i. Comments:

Bridge buffer impacts are due to the conversion of previous stormwater ditches to riprap swales in all four quadrants. An additional impact is attributed to a utility easement on eastside of bridge.

Supporting Documentation - i.e. Impact Maps, Plan Sheet, etc.

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

File must be PDF

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:*

The bridge will be replaced on the existing alignment. The proposed bridge will have no direct discharge into Johnson Mill Run. See the stormwater management plan for additional measures.

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

An off-site detour will be used during construction. NCDOT's Design Standards for Sensitive Watersheds will be adhered to.

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?

No

O No

O Yes

2b. If this project DOES NOT require Compensatory Mitigation, explain why:

Impacts are deemed minimal and compensatory mitigation is not proposed.

NC Stream Temperature Classification Maps can be found under the Mitigation Concepts tab on the Wilmington District's RIBITS website

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

1b. All buffer impacts and high ground impacts require diffuse flow or other form of stormwater treatment. If the project is subject to a state implemented riparian buffer protection program, include a plan that fully documents how diffuse flow will be maintained.

All Stormwater Control Measures (SCM)s must be designed in accordance with the NC Stormwater Design Manual. Associated supplement forms and other documentation shall be provided.

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Level Spreader
 Vegetated Conveyance (lower SHWT)
 Wetland Swale (higher SHWT)
 Other SCM that removes minimum 30% nitrogen
 Proposed project will not create concentrated stormwater flow through the buffer (check all that apply)
 For a list of options to meet the diffuse flow requirements, click here.

Diffuse Flow Documentation

Click the upload button or drag and drop files here to attach document File type must be FDF

2. Stormwater Management Plan

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

© No

No

⊙ 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

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)?*

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© Yes O 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.)*

NEPA or SEPA Final Approval Letter

Click the upload button or drag and drop files here to attach document FILE TYPEMUST 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)?*

C Yes O 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?*

C Yes

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

Due to the minimal transportation impact resulting from this bridge replacement, this 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)

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4a. Is sewage disposal required by DWR for this project?*
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○ 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	C No	
5b. Have you checked with the USFWS conc	erning Endangered Species Act impacts?*	
⊙ Yes	C No	
5c. If yes, indicate the USFWS Field Office ye Raleigh	ou have contacted.	
5d. Is another Federal agency involved? *		
O Yes	© No	© Unknown
5e. Is this a DOT project located within Divis	ion's 1-8?*	

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

N.C. Natural Heritage Program database; USFWS-Raleigh Field Office website; biological surveys for protected species listed for Pitt County, which include Tar River spinymussel, yellow lance, dwarf wedgemussel, and red-cockaded woodpecker. All current listed species received biological conclusions of "No Effect" with the exception of the Northern long-eared bat which received a biological conclusion of "May Affect, Likely to Adversely Affect". The Atlantic pigtoe has been proposed for federal listing. Updated aquatic surveys are currently underway to determine potential impacts to the proposed species. If it is determined that the project would negatively impact the Atlantic pigtoe, NCDOT proposes to use the programmatic biological opinion for freshwater mussels to satisfy Section 7. The NLEB has been addressed via the programmatic biological opinion for that species.

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? *

O Yes No

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

NMFS county index

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/hpoweb/

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)? No
 No

O Yes

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

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8a. Will this project occur in a FEMA-designated 100-year floodplain?*
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O No

• Yes

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 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 KWZ

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

Hack C Riverbark, III

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Date

10/30/2019

Highway – –				North Carolina Dep	artment of Transportat	ion			
Stormwar	RAM				ormwater Program				
(Version 2.08; Released /	April 2018)				DOT PROJECTS				
WBS Element:	17BP.2.R.92	TIP No.:			es): Pitt				
				General Pro	ject Information				
WBS Element:		17BP.2.R.92		TIP Number:		Project	Type: Bridge R	Replacemo	
NCDOT Contact:		William (Galen) G	. Cail, PE		Contractor / Desi		TGS Engineers (Ben	•	
	Address:	1590 Mail Service				<u> </u>	706 Hillsborough Stre		
		Raleigh, NC 27699	9-1590				Suite 200		
							Raleigh, NC 27603		
	Phone:	919-707-6711				Phone:	919-773-8887 ext. 12	23	
	Email:	gcail@ncdot.gov				Email:	bhenegar@tgsengine	eers.com	
City/Town:			Gree	nville	County(ies):	Pi	tt		
River Basin(s):		Tar-Pa	mlico		CAMA County?	N	0		
Wetlands within Pro	ject Limits?	No		•	•		·		
				Project	Description				
Project Length (lin.	miles or feet):	0.111	Mi.	Surrounding Land Use:	Forest, Cropland,	and Rural Resid	dential		
				Proposed Project				Existin	
Project Built-Upon A	Area (ac.)		0.4	ac.			0.3	а	
Typical Cross Section		Two 11' paved trav guardrail).	vel lanes with 2'	paved shoulders and 2' grass	sed shoulders (5' with	Two 11' paved travel lanes with 3'-10' gras		10' grasse	
		0,							
Annual Avg Daily Tr	affic (veh/hr/dav):	Design/Future:		500	Year: 2035	Existing:	4	30	
General Project Nar	, ,	ş		1 on SR 1418 (Staton House		0			
(Description of Mini Quality Impacts)		replace the existing 53' long by 28' wide three span bridge. The proposed grade will be about 0.5' above existing ground within the vic existing ground outside of the bridge.							
		Bridge No. 730171 is within the Tar-Pamlico River Drainage Basin and shall adhere to the Tar-Pamlico Buffer Rules. The proposed bri Johnsons Mill Run. Stormwater runoff from the proposed bridge will flow to two traffic bearing grated inlets at the downgrade end of th							
				southwest quadrant of the cr		canng gratea in			
		There are existing	corrugated stee	I drive pipes that outlet direct	lv in Johnsons Mill Run i	n all four quadra	ants. The proposed b	ridae con	
				be moved outside the bridge of					
				ankment would be a better o					
				Waterbo	dy Information				
Surface Water Body	<i>ı</i> (1):		Johnsons	s Mill Run	NCDWR Stream	ndex No.:			
				Primary Classification:	Water Supply	IV (WS-IV)			
NCDWR Surface wa	ater Classification fo	or water Body		Supplemental Classification					
Other Stream Classi	ification:					. , , , ,			
Impairments:		Non	е						
Aquatic T&E Specie	s?	No	Comments:						
NRTR Stream ID:		N/A					Buffer Rules in Effe	ect:	
	dge Spanning Wate		Yes	Deck Drains Discharge Ov	er Buffer?	No	Dissipator Pads Pro		
Deck Drains Discha			No		on in the General Project		(If yes, describe in		
	de justification in the				,	,		Genera	
(,		/	1			l		

			A CONTRACTOR
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	Page	1	of 1
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sti	ng Site		
	ac.		
as	sed shoulders.		
_		Year:	2018
	ng by 33' wide t		-
e v	icinity of the bri	dge and roug	hly matching
		no dimentali	abarga inte
	oridge will have		
ot	the bridge and	outlet into a p	proposed grass
	notru oficia	a a fill of the fill of the fill	
	Instruction will		
	iss 'l' rip-rap at		
ISE	e of future drain	age district m	laintenance.
	28-91		
		Tar-	Pamlico
d	in Buffer?	-	No
	neral Project N	larrative: if po	
	eral Project Nar		

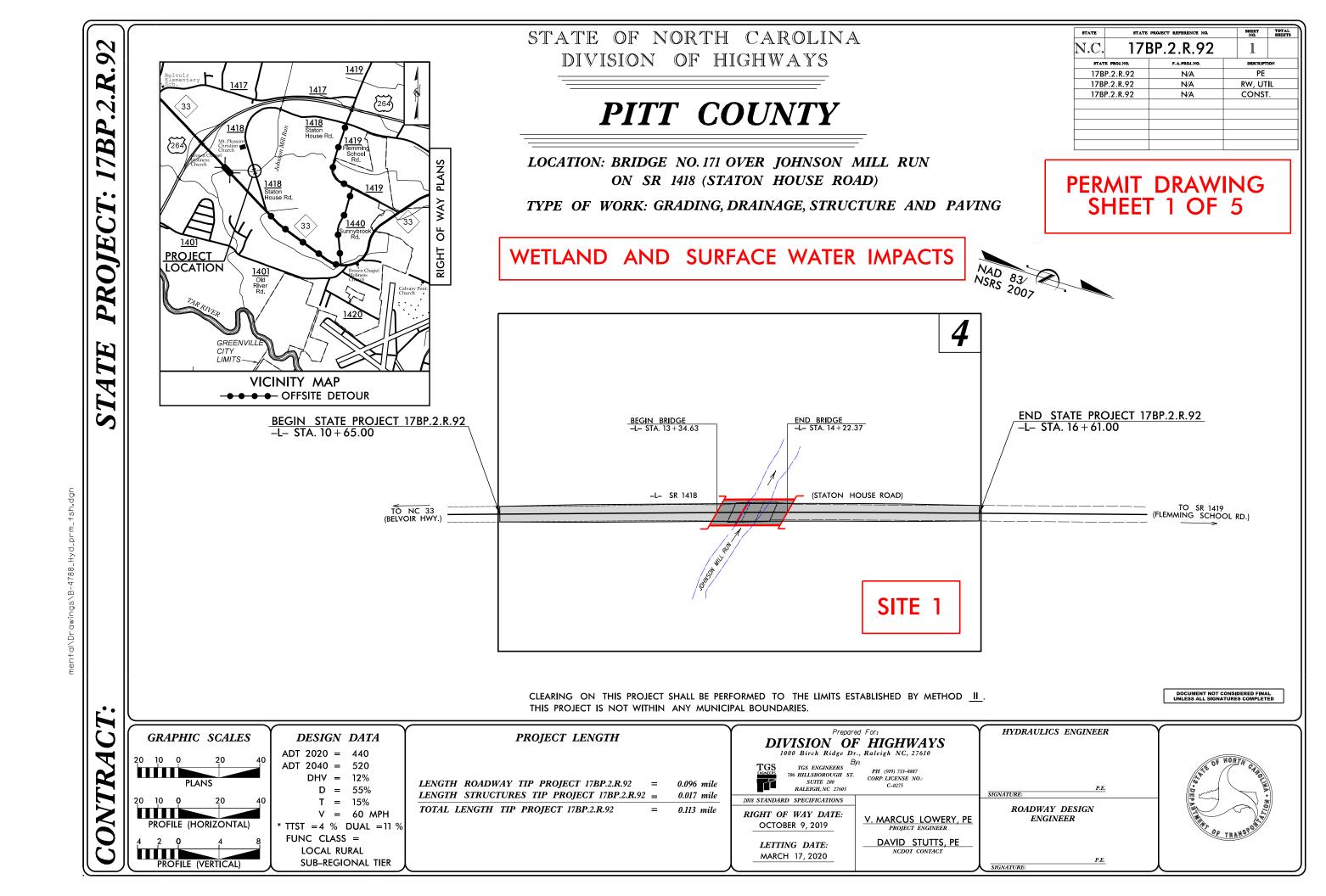


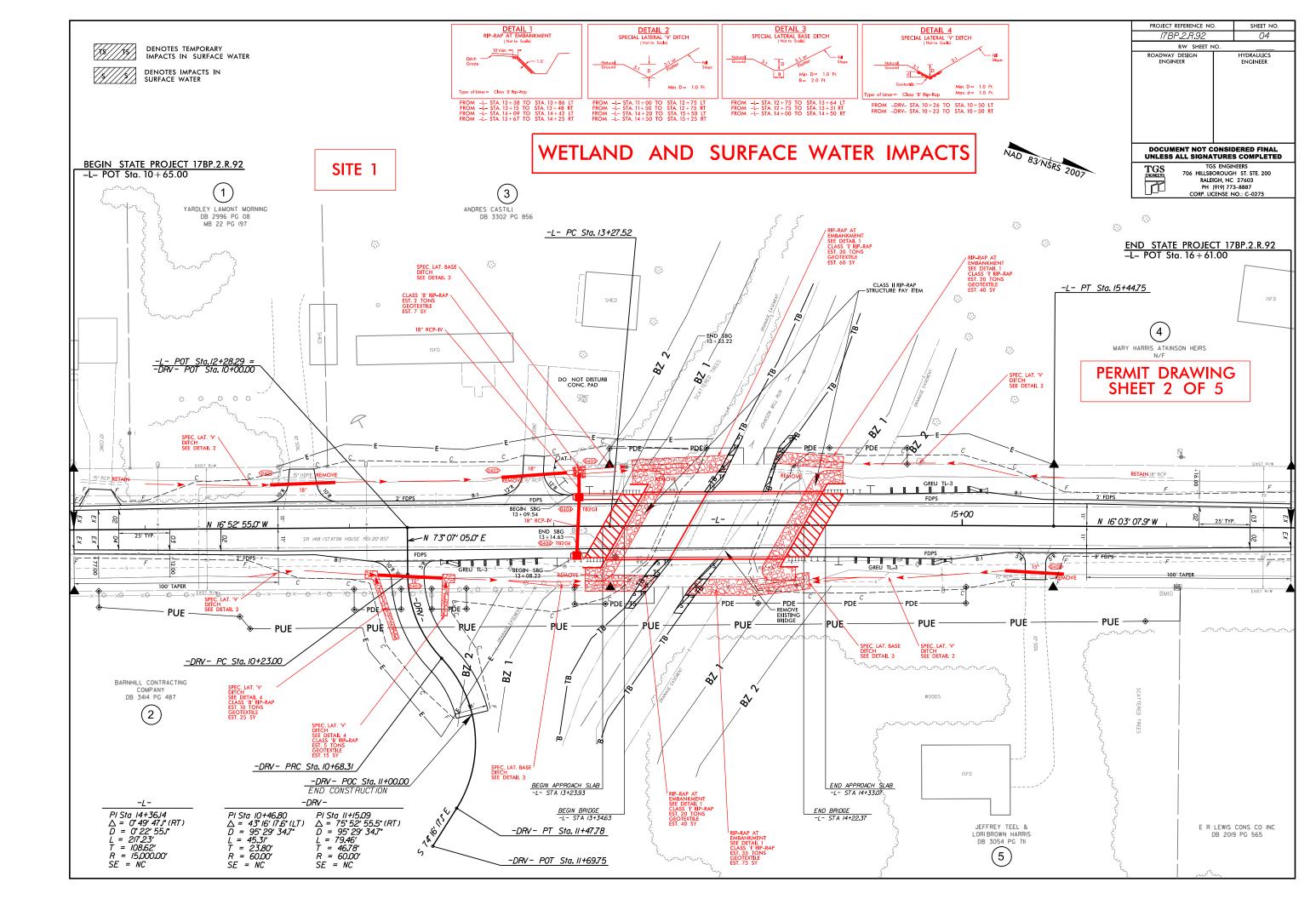
North Carolina Department of Transportation

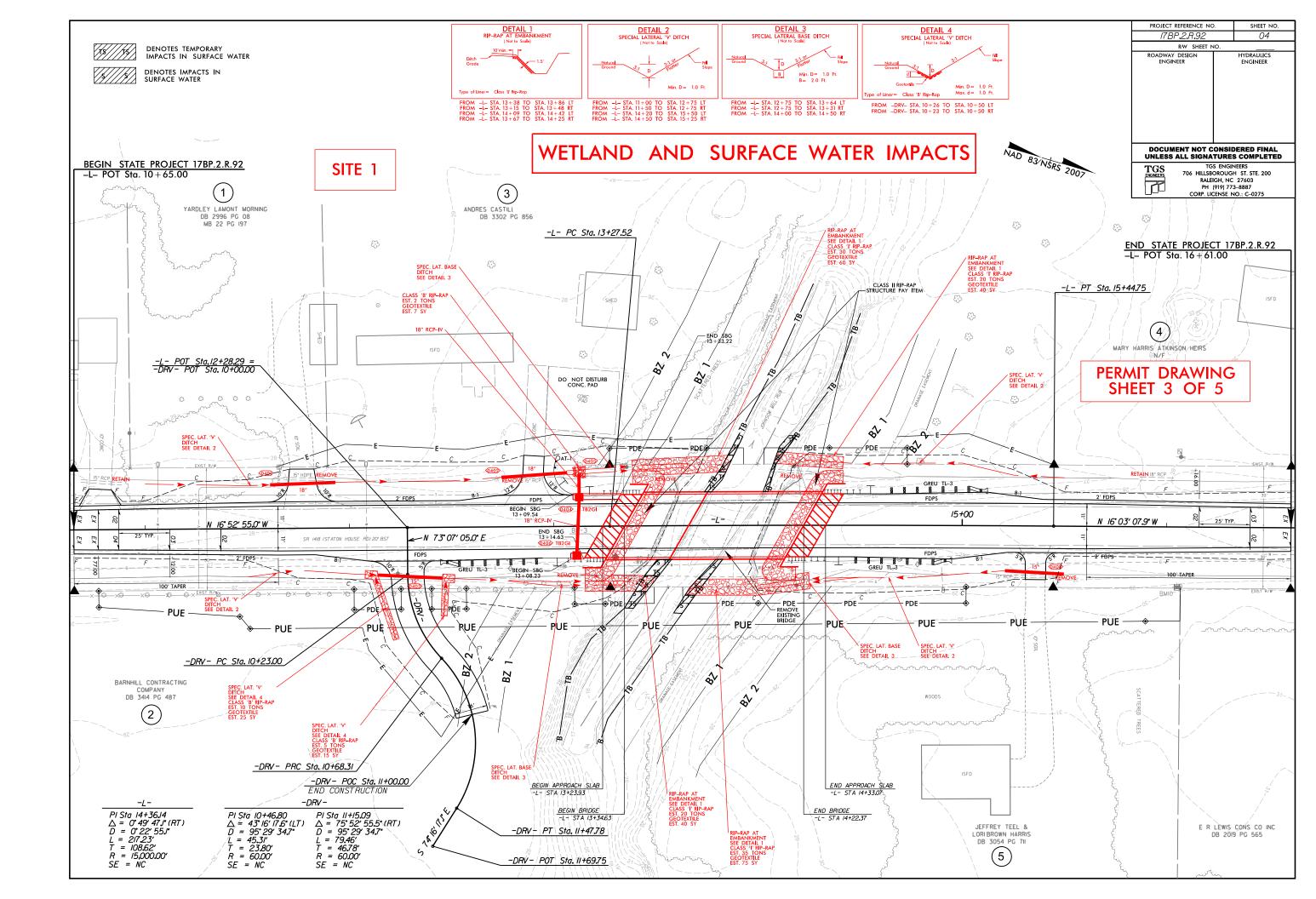
Highway Stormwater Program STORMWATER MANAGEMENT PLAN FOR NCDOT PROJECTS

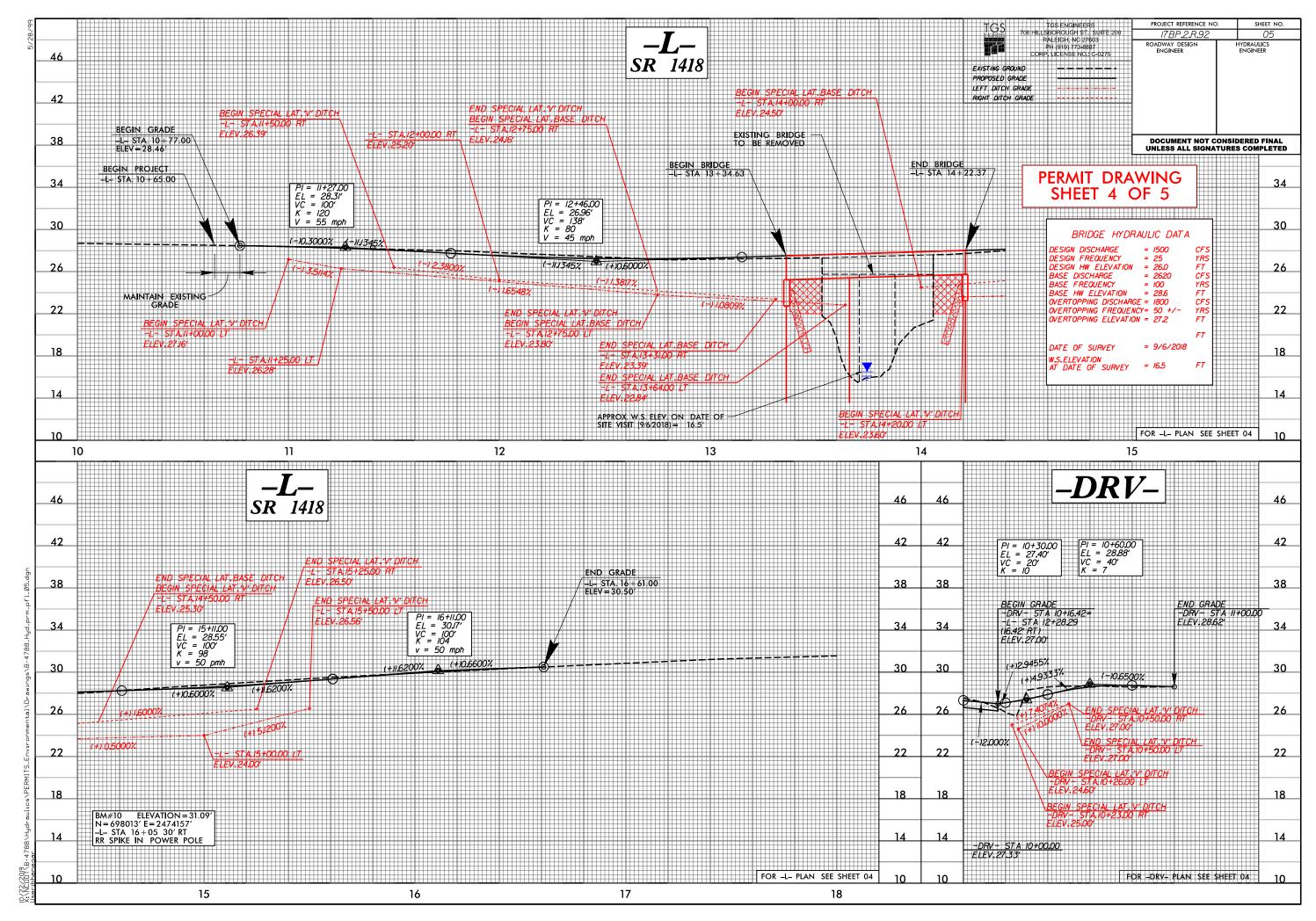
(Version 2.08; Released April 2018) FOR NCDOT PROJECTS WBS Element: 17BP.2.R.92 TIP No.: County(ies): Pitt Swales Station & Coordinates Base Back Recommended Longitudinal Front Drainage Actual Sheet (Road and Non Road Surface Width Slope Slope Area Treatm't Length Length Slope Q2 V2 Water Body No. Projects) (ft) (H:1) (H:1) (ac) (ft) (ft) (%) (cfs) (fps) -L- 13+12.50 LT (1)Johnsons 2.0 3.0 3.0 0.09 9 9 1.08% 0.40 0.9 Mill Run 35.656608 / -77.403659 Additional Comments

			AND THE REAL PROPERTY OF THE R
Page	2	of	2
Q10 (cfs)	V10 (fps)	Rock Checks Used	BMP Associated w/ Buffer Rules?
0.50	1.0	No	No







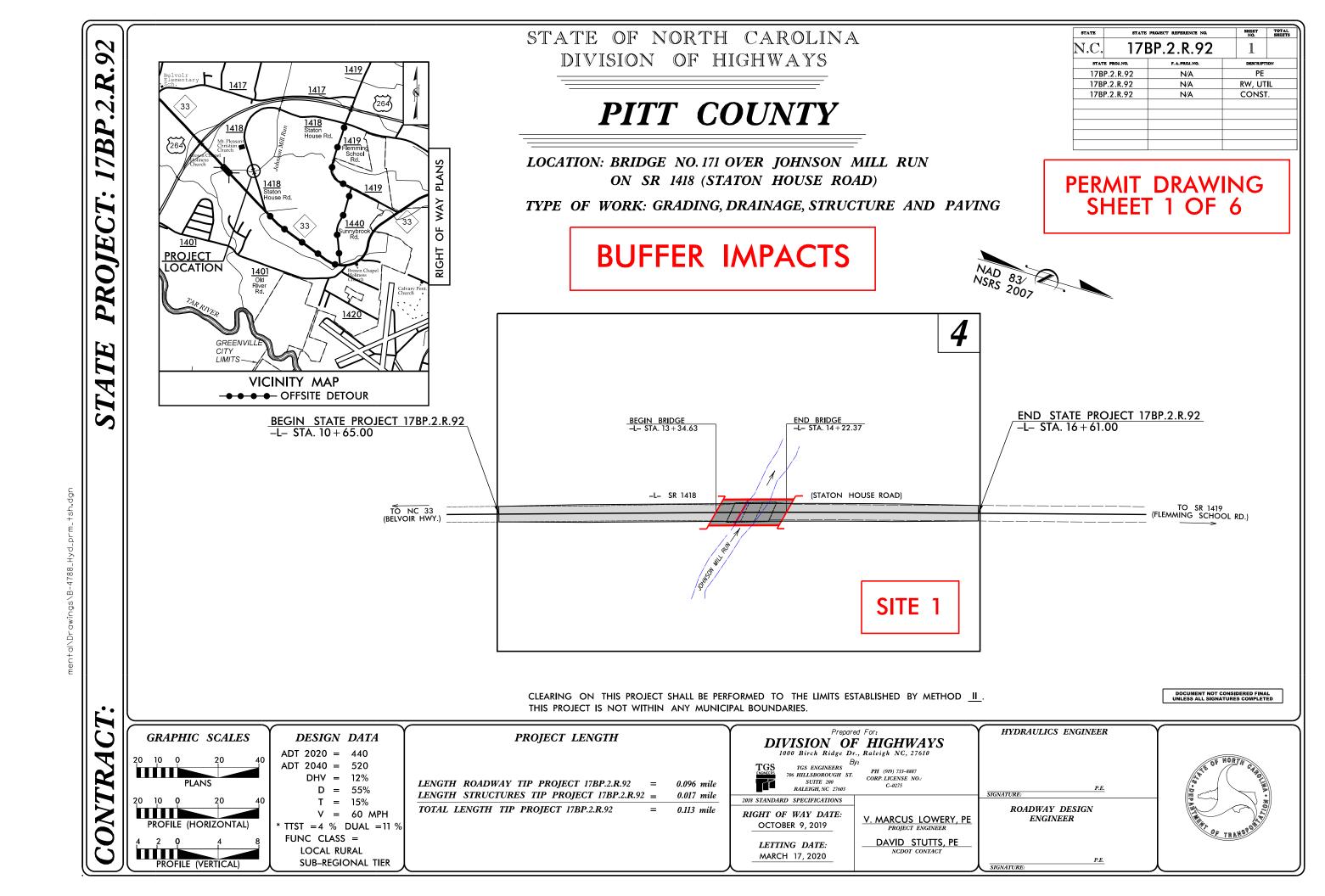


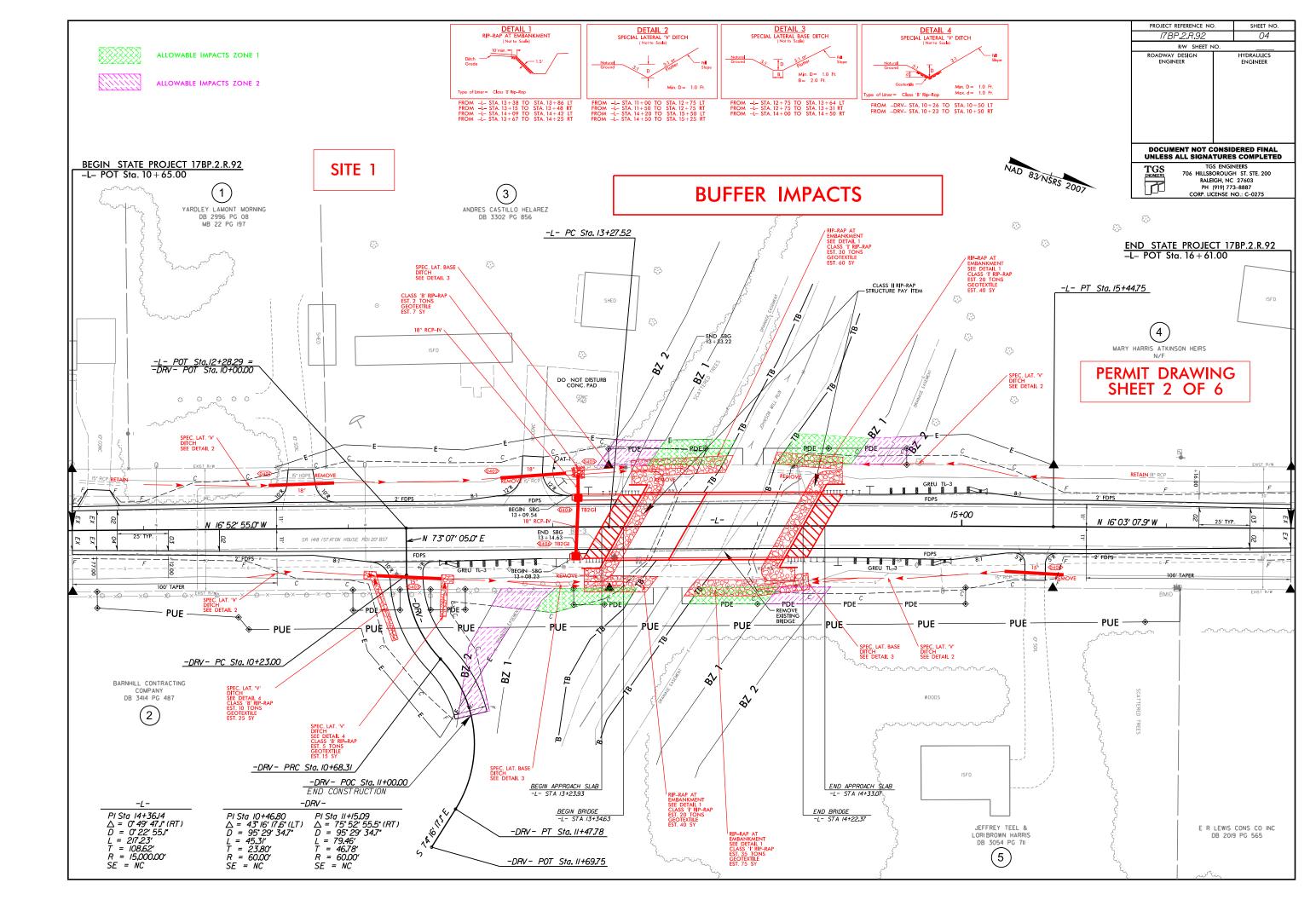
				WE	TLAND IMP	ACTS		S	SURFACE	WATER IM	IPACTS		
				-			Hand			Existing	Existing		
to	Ctation	Ctructure	Permanent	•		Mechanized	Clearing	Permanent	Temp.	Channel	Channel	Natura	
ite lo.	Station	Structure	Fill In Wetlands	Fill In Wetlende	in Wetlands	Clearing	in Watlanda	SW	SW	Impacts	Impacts	Stream	
10.	(From/To)	Size / Type		Wetlands	(ac)		Wetlands	impacts (ac)	impacts	Permanent (ft)	Temp. (ft)	Desig (ft)	
1		1@20' 1@EE' Carad Slab	(ac)	(ac)	(ac)	(ac)	(ac)	1	(ac)			(11)	
	-L- 13+74 to 14+19 LT	1@30', 1@55' Cored Slab						< 0.01	< 0.01	9	21		
1	-L- 13+35 to 13+83 RT	1@30', 1@55' Cored Slab						< 0.01	< 0.01	10	22		
TAL								< 0.01	< 0.01	19	43	0	

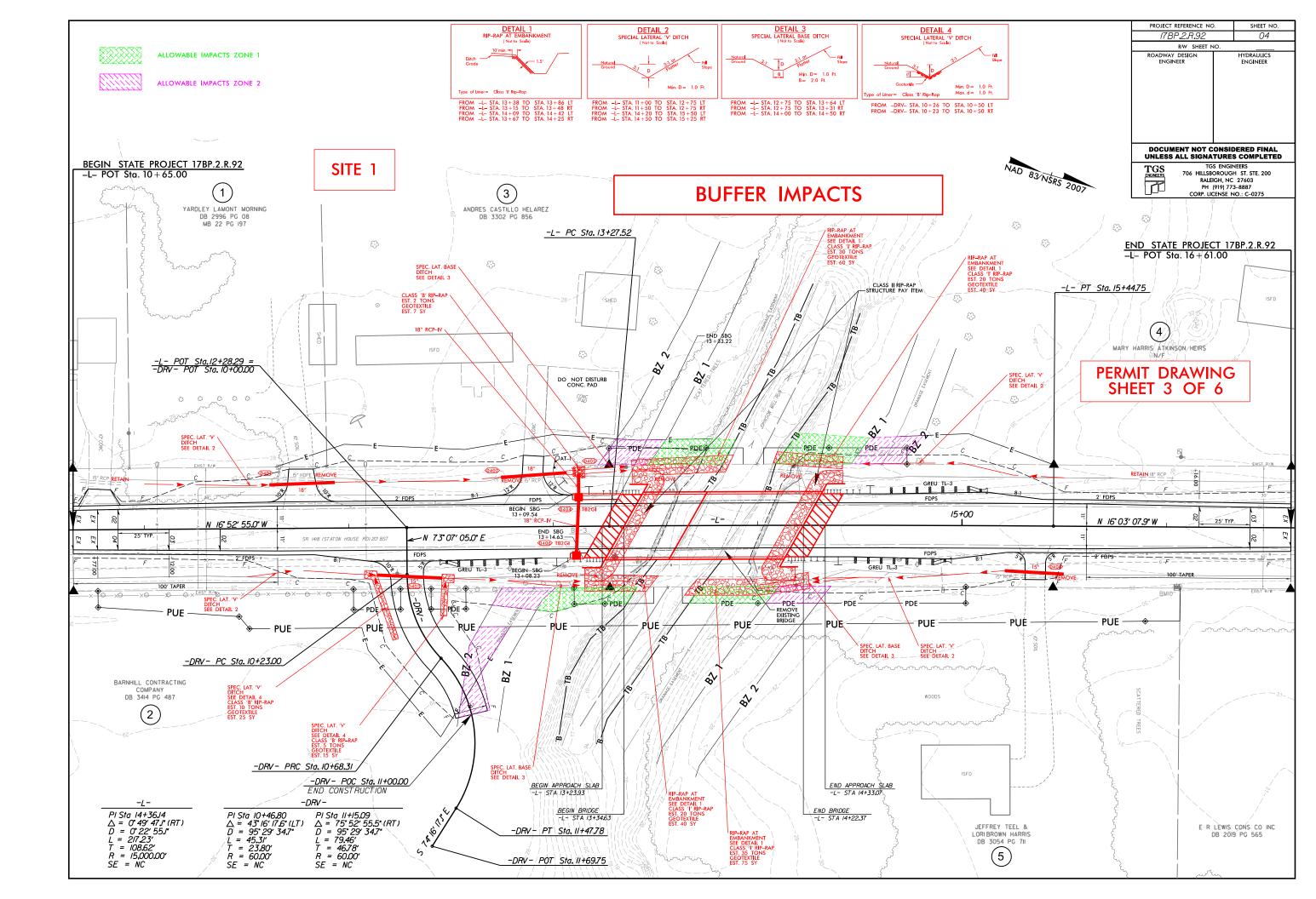
*Rounded totals are sum of actual impacts

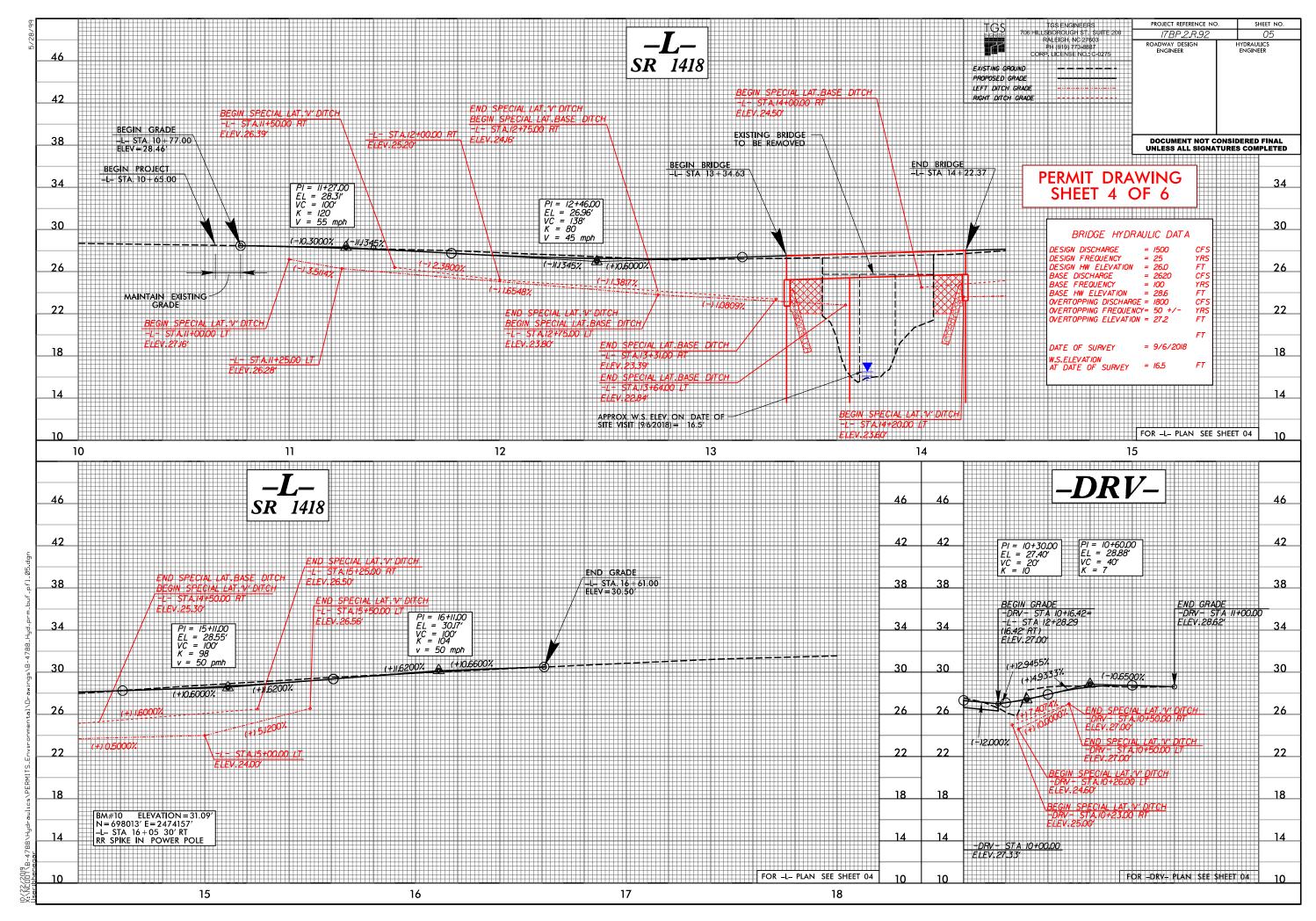
NOTES:

CET	5	OF	5	









		RIP	ARIAN BU	FFER IM	PACTS S				
							PACTS		Г
				TYPE		A	LLOWABL	.E	
Site No.	Station (From/To)	Structure Size / Type	ROAD CROSSING	BRIDGE	PARALLEL IMPACT	ZONE 1 (ft ²)	ZONE 2 (ft ²)	TOTAL (ft ²)	z
1	-L- 13+20 to 13+90 LT	1@30', 1@55' Cored Slab		Х		432	300	732	┢
1	-L- 14+10 to 14+80 LT	1@30', 1@55' Cored Slab		X		509	328	837	T
1	-L- 12+50 to 13+40 RT	1@30', 1@55' Cored Slab		Х		389	747	1136	—
1	-L- 13+65 to 14+35 RT	1@30', 1@55' Cored Slab		х		312	214	526	
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									Γ
TOTALS	* :					1642	1589	3231	

Total Buffer Impacts = 0.08 Ac.

SHEET

5

OF

6

Ν	/ITIGABLE	BUFFER REPLACEMENT		
ZONE 1 (ft ²)	ZONE 2 (ft ²)	TOTAL (ft ²)	ZONE 1 (ft ²)	ZONE 2 (ft ²)
0	0	0	0	0

			NDS IN FERS	
SITE NO.	STATION (FROM/TO)	ZONE 1 (ft ²)	ZONE 2 (ft ²)	
		0	0	
OTAL:		0	0	

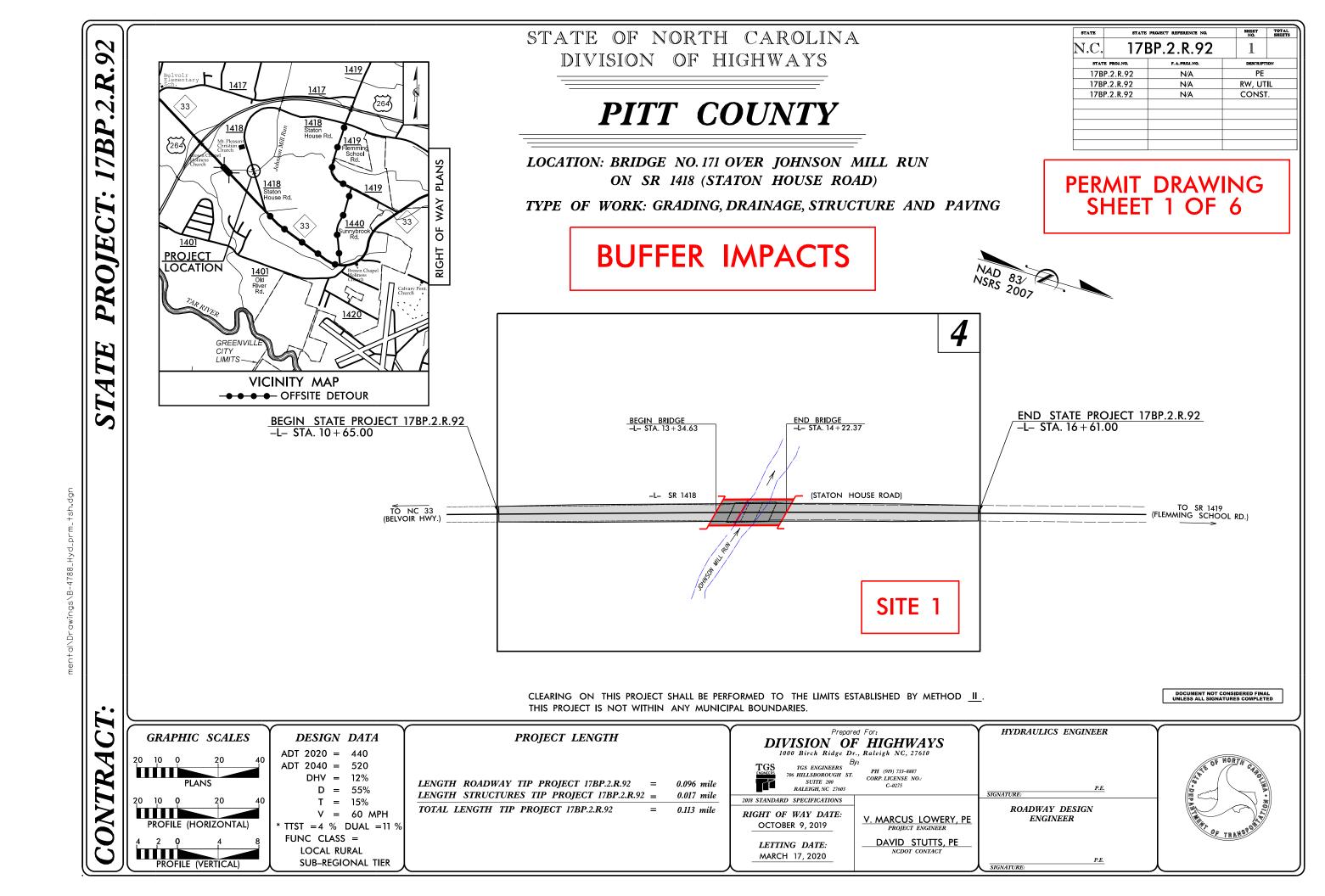
No wetlands in buffer impacts at site.

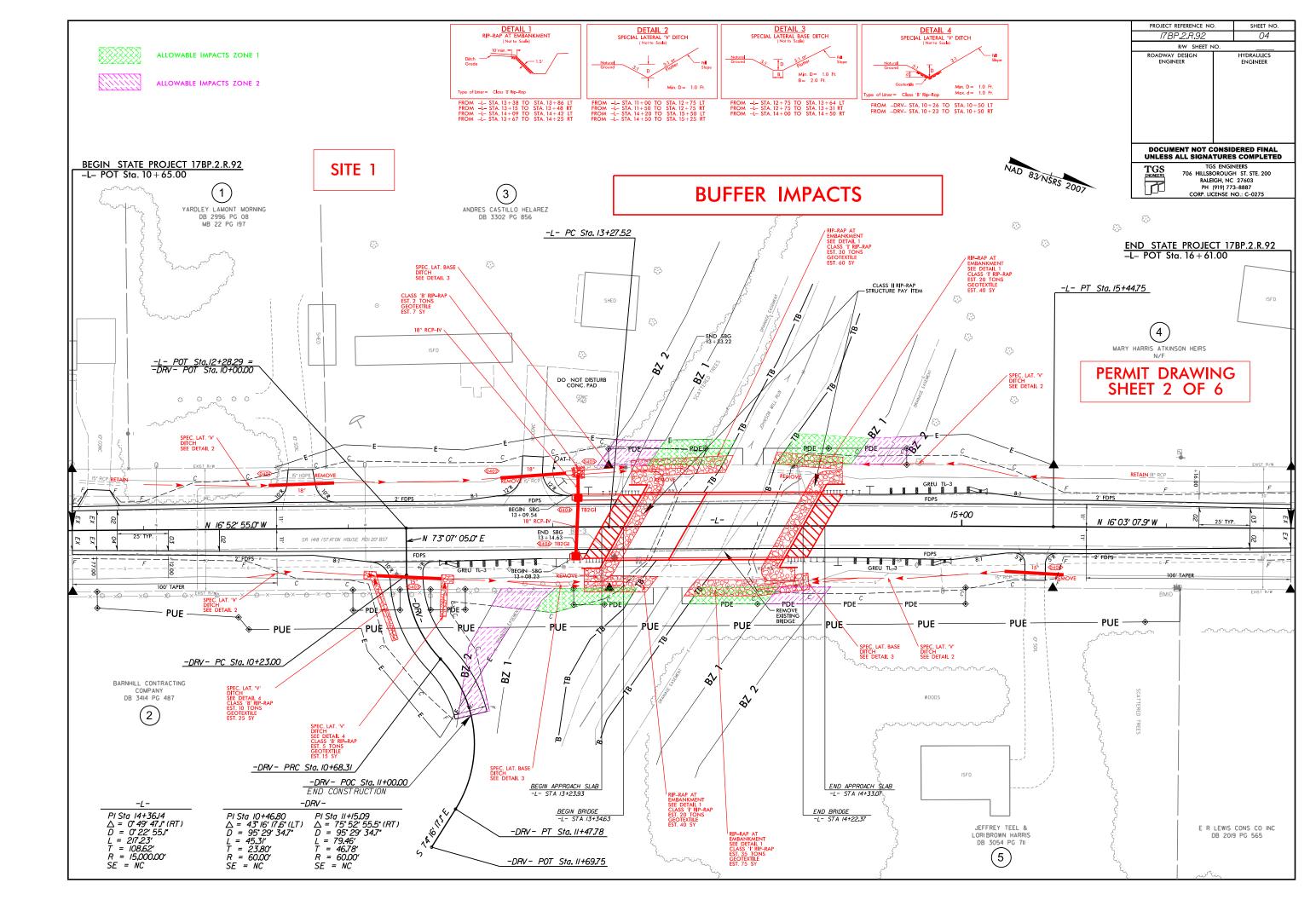
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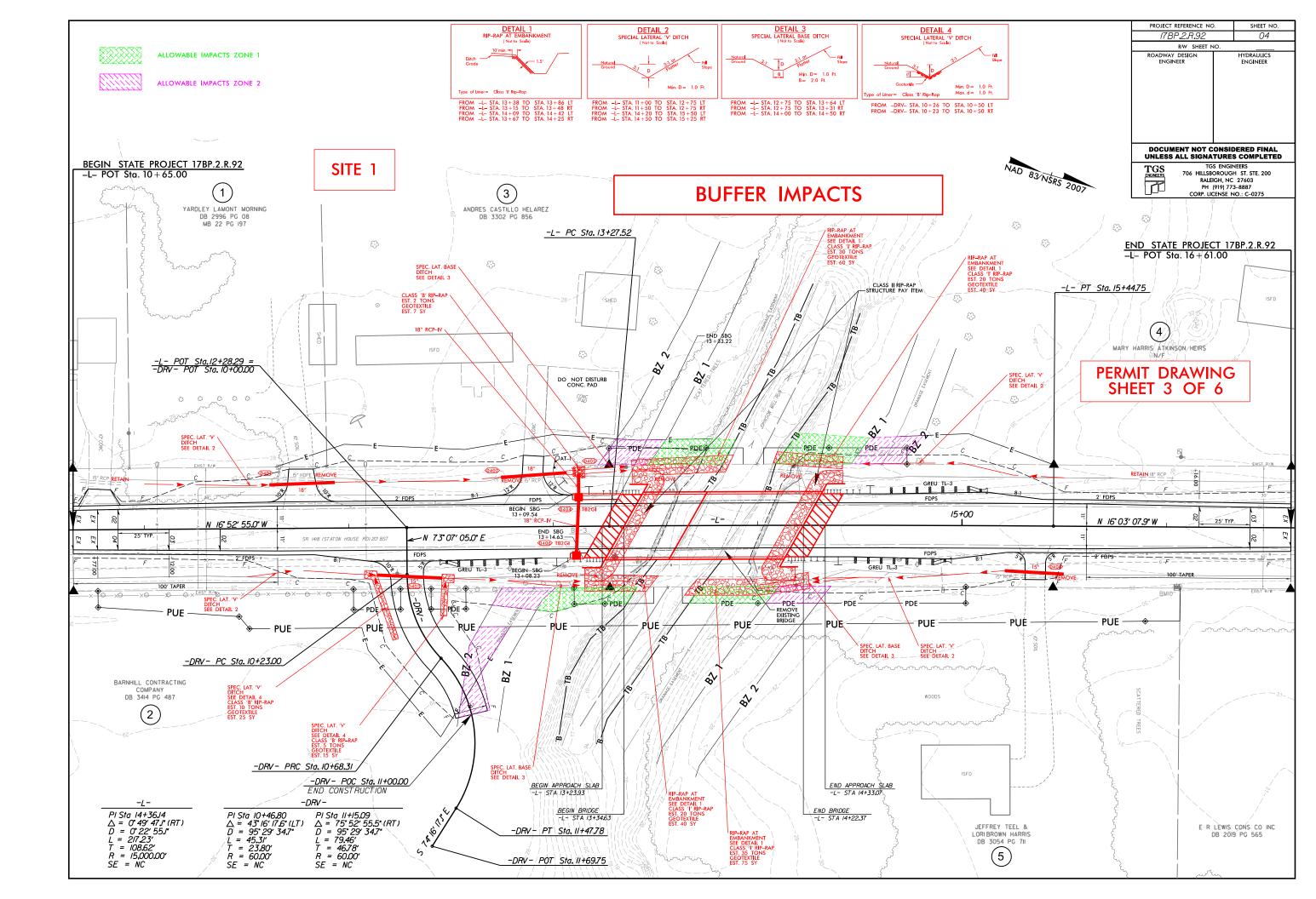
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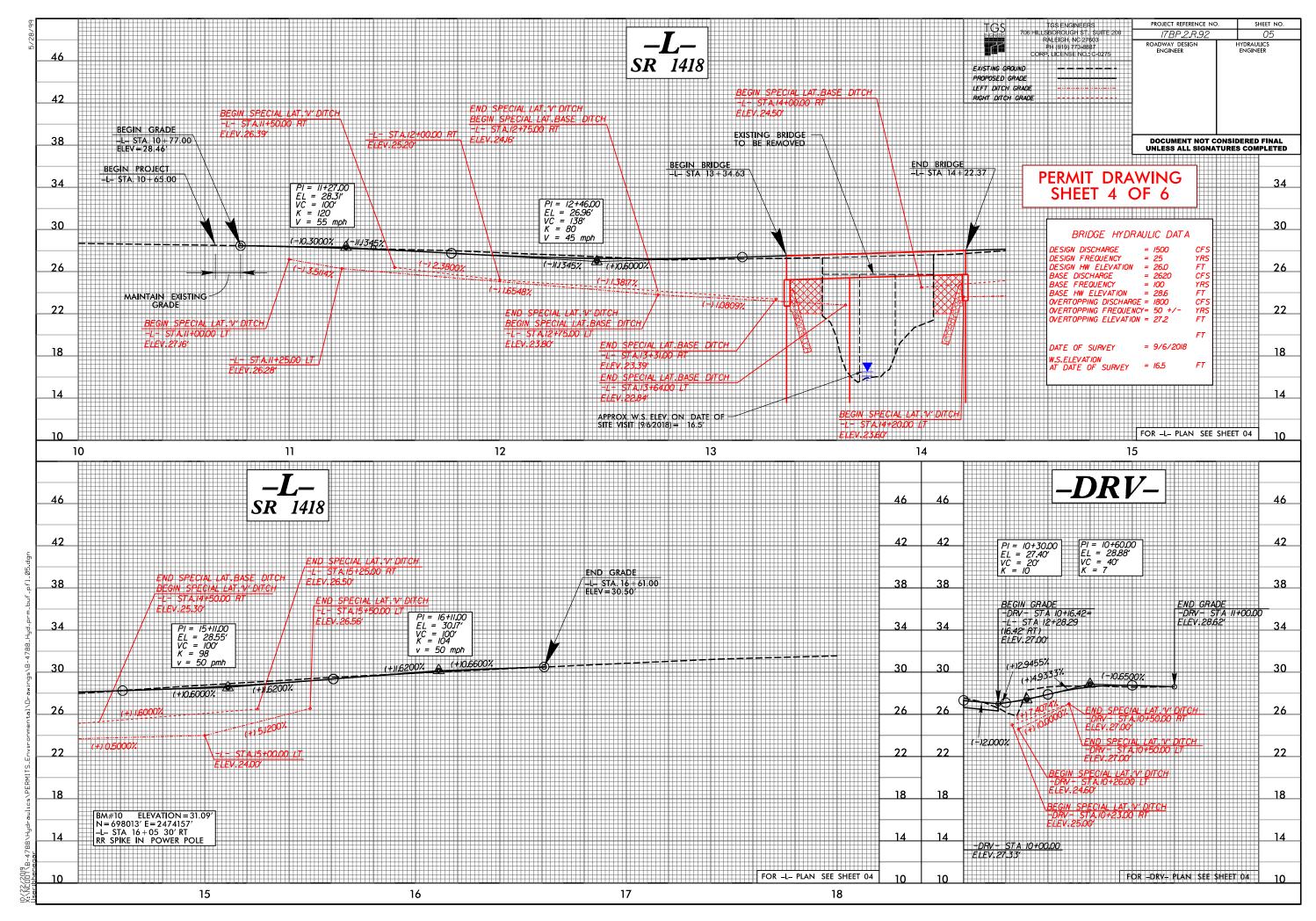
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		RIP	ARIAN BU	FFER IM	PACTS S				
							PACTS		Г
				TYPE		A	LLOWABL	.E	
Site No.	Station (From/To)	Structure Size / Type	ROAD CROSSING	BRIDGE	PARALLEL IMPACT	ZONE 1 (ft ²)	ZONE 2 (ft ²)	TOTAL (ft ²)	z
1	-L- 13+20 to 13+90 LT	1@30', 1@55' Cored Slab		Х		432	300	732	┢
1	-L- 14+10 to 14+80 LT	1@30', 1@55' Cored Slab		X		509	328	837	T
1	-L- 12+50 to 13+40 RT	1@30', 1@55' Cored Slab		Х		389	747	1136	—
1	-L- 13+65 to 14+35 RT	1@30', 1@55' Cored Slab		х		312	214	526	
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TOTALS	* :					1642	1589	3231	

Total Buffer Impacts = 0.08 Ac.

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Ν	/ITIGABLE	BUFFER REPLACEMENT		
ZONE 1 (ft ²)	ZONE 2 (ft ²)	TOTAL (ft ²)	ZONE 1 (ft ²)	ZONE 2 (ft ²)
0	0	0	0	0

			NDS IN FERS	
SITE NO.	STATION (FROM/TO)	ZONE 1 (ft ²)	ZONE 2 (ft ²)	
		0	0	
OTAL:		0	0	

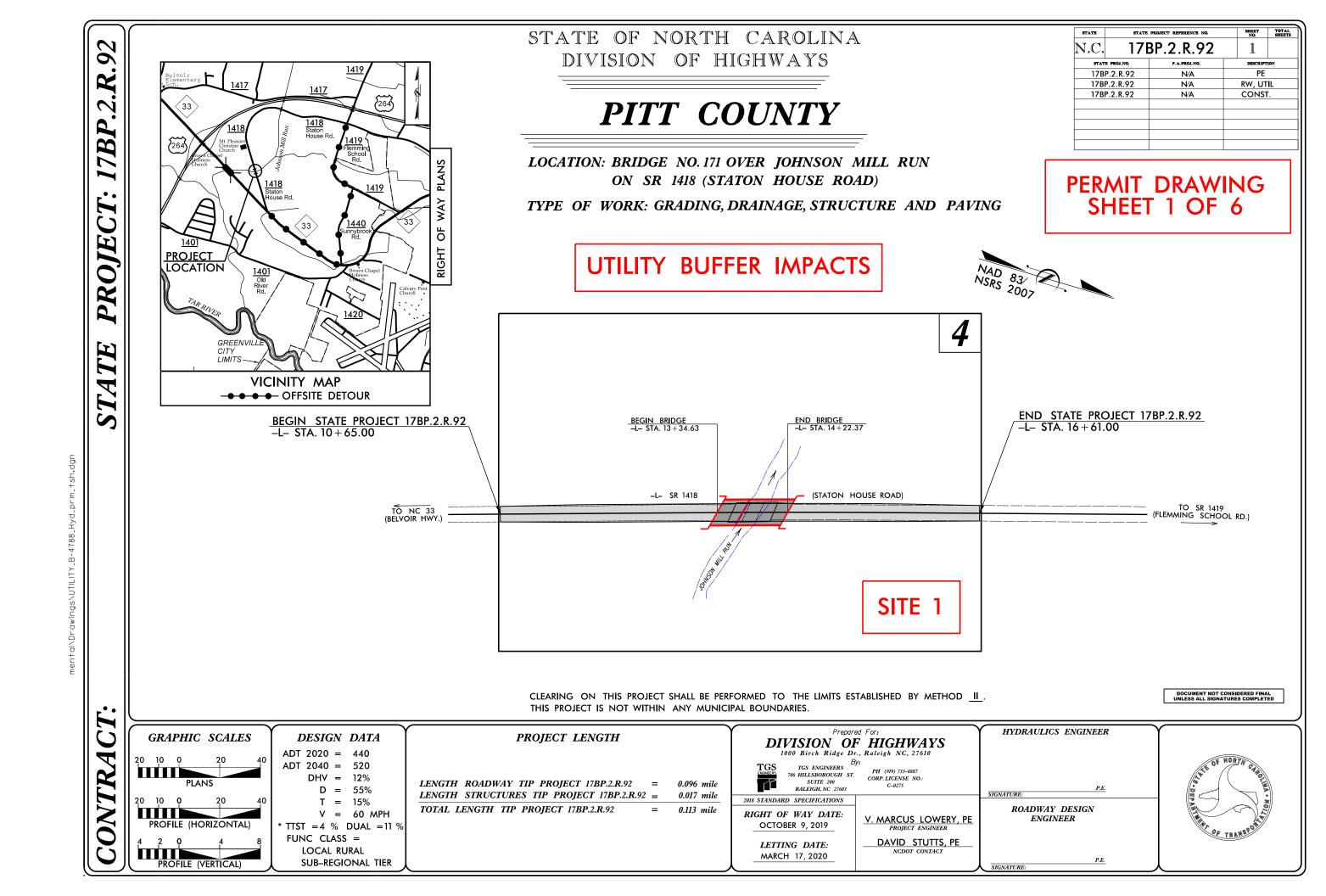
No wetlands in buffer impacts at site.

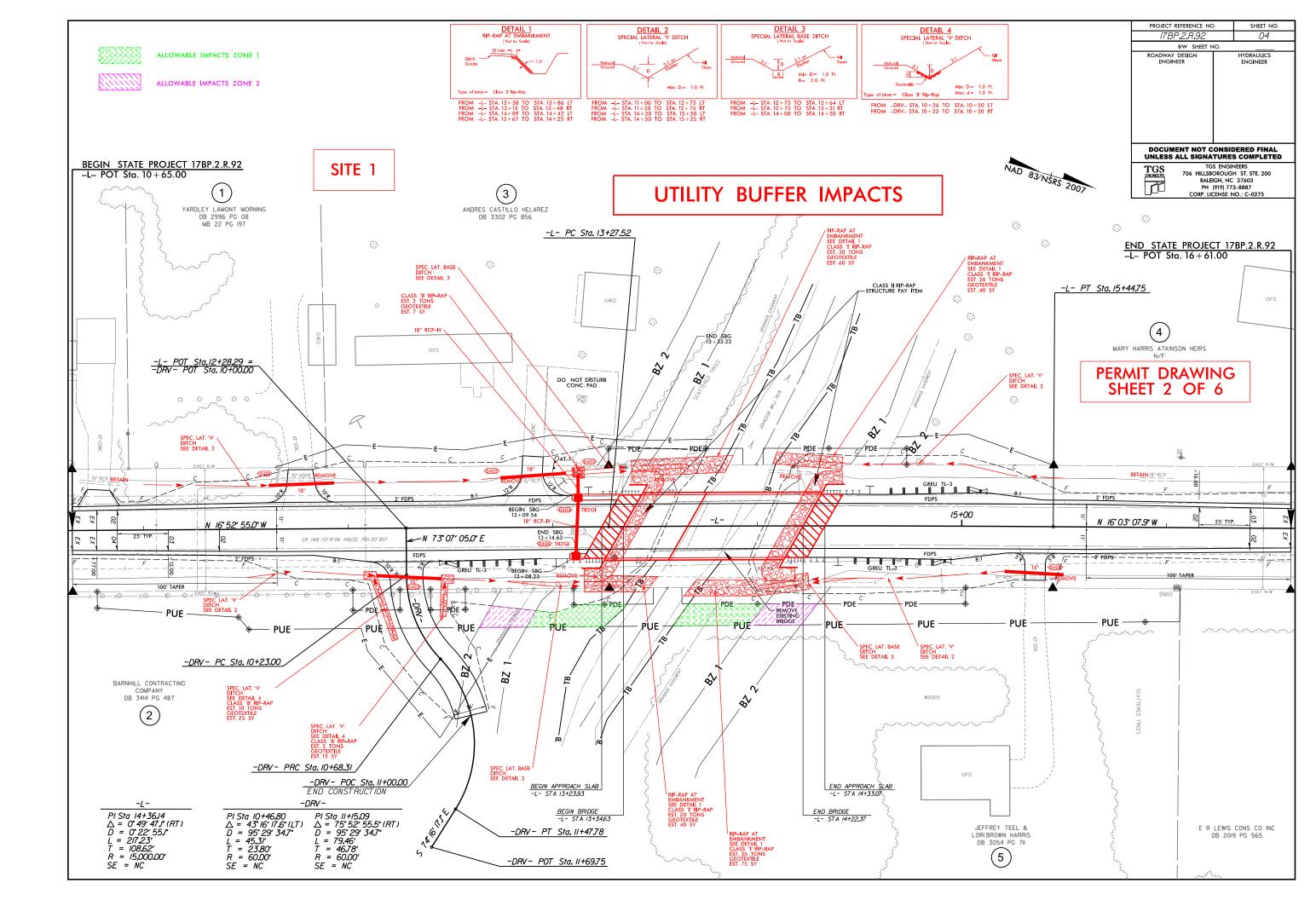
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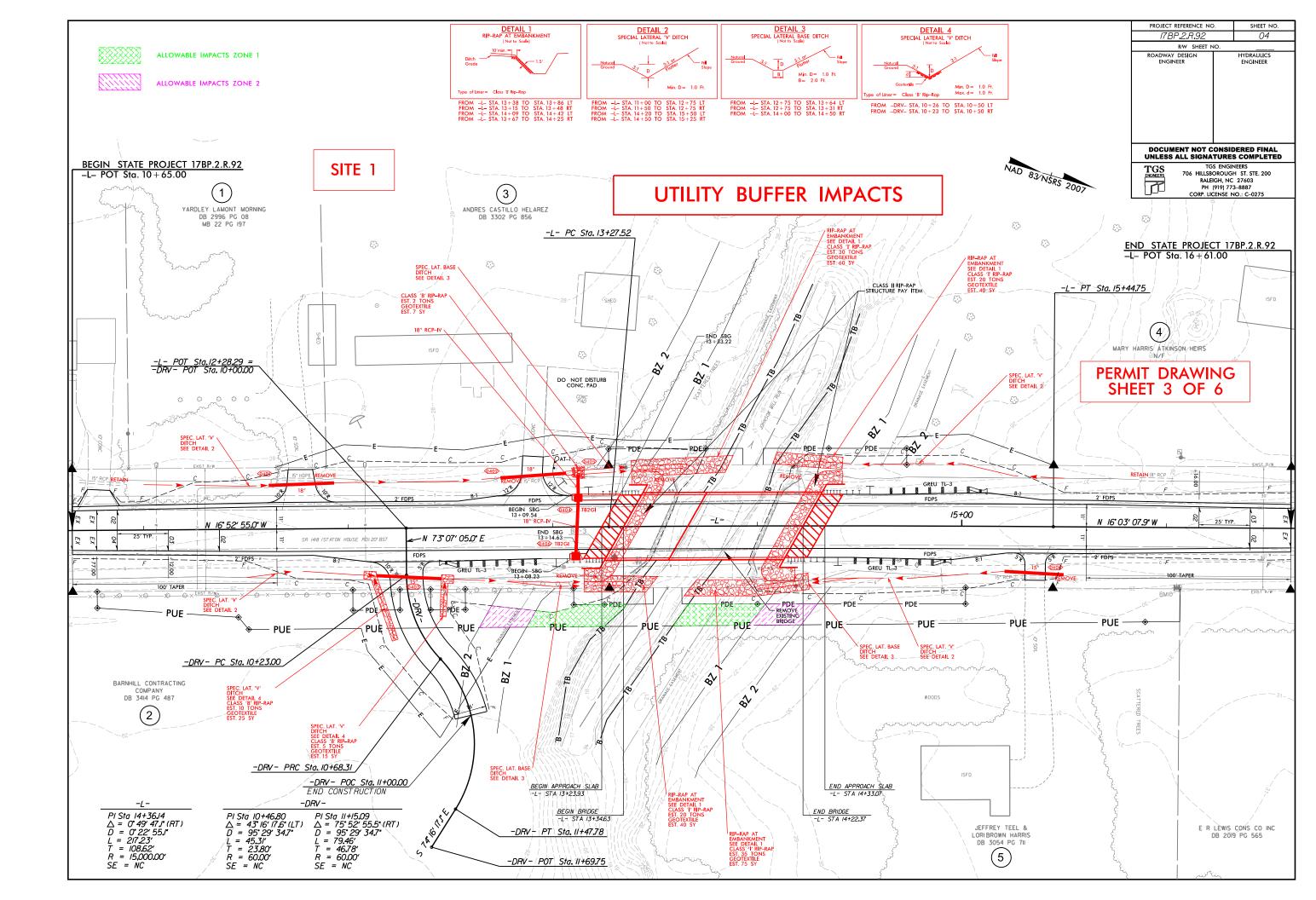
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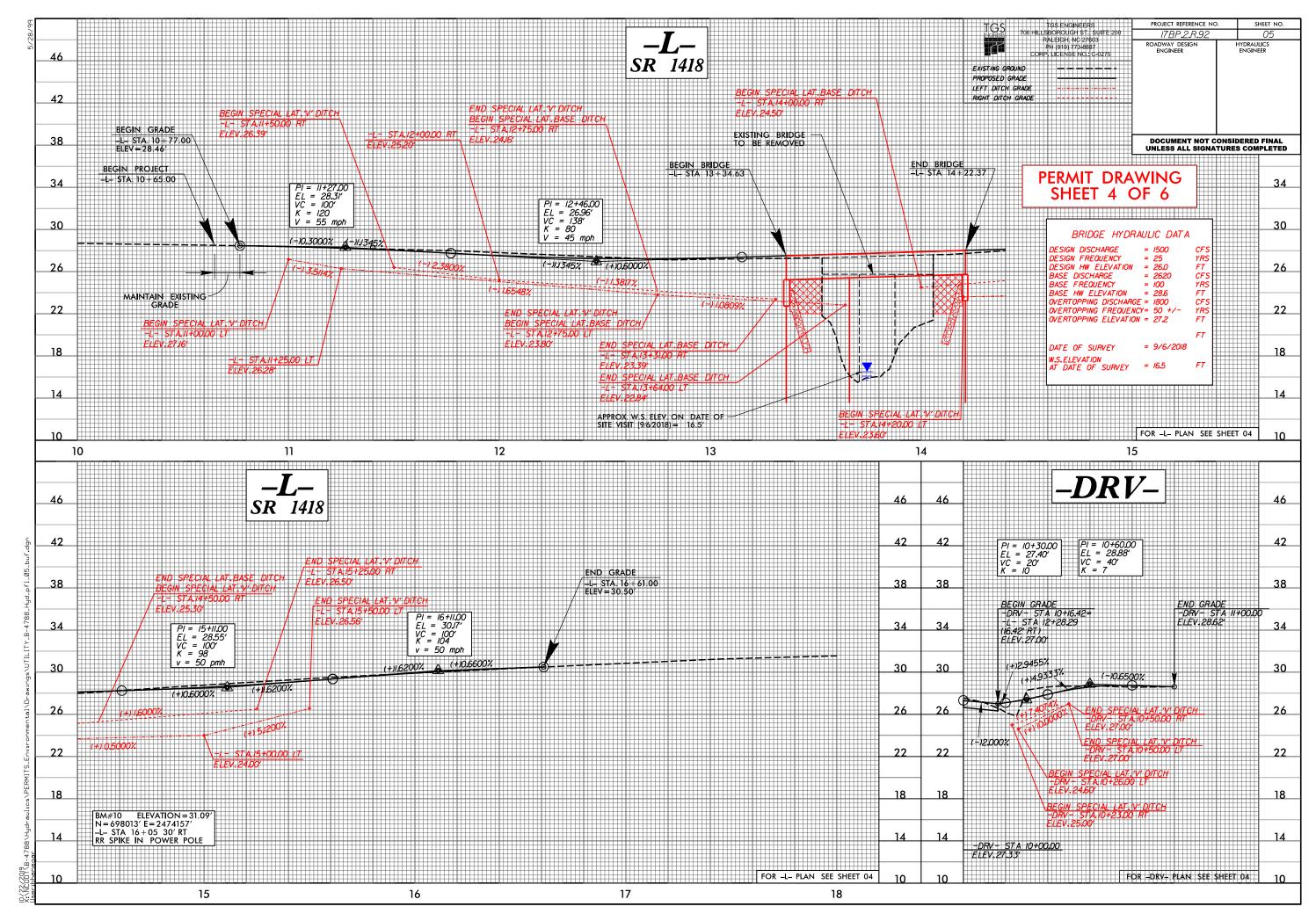
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		UTILITY	RIPARIAN	I BUFFE	R IMPAC	TS SUN	IMARY		
						IMF	PACTS		
			TYPE		ALLOWABLE				
Site No.	Station (From/To)	Structure Size / Type	ROAD CROSSING	BRIDGE	PARALLEL IMPACT	ZONE 1 (ft ²)	ZONE 2 (ft ²)	TOTAL (ft ²)	z
1	-L- 12+60 to 13+35 RT	Permanent Utility Easement		Х		386	215	601	1
1	-L- 13+60 to 14+30 RT	Permanent Utility Easement		Х		396	262	658	
									Γ
			ļ						
									-
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TOTAL	<u></u>					700	477	1250	-
TOTAL	J.					782	477	1259	

Total Buffer Impacts for Utilities= 0.04 Ac.

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Ν	/ITIGABLE	BUFFER REPLACEMENT			
ZONE 1 (ft ²)	ONE 1 ZONE 2 TOTAL (ft^2) (ft^2) (ft^2)		ZONE 1 (ft ²)	ZONE 2 (ft ²)	
0	0	0	0	0	

		UTILITY WET	LANDS	IN BUFFER IMPACTS SUMMARY
			TLANDS IN BUFFERS	N
SITE NO.	STATION (FROM/TO)	ZONI (ft ²	1 ZONE	
		0		
TOTAL:		0	0	-

No wetlands in buffer impacts at site for utilities.

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