



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

J. ERIC BOYETTE
SECRETARY

October 12, 2021

U.S. Army Corps of Engineers
Raleigh Regulatory Field Office
3331 Heritage Trade Drive, Suite 105
Raleigh, NC 27587

ATTN: Mr. David Bailey, NCDOT Regulatory Coordinator

Subject: **Application for Section 404 Nationwide Permit, Section 401 Water Quality Certification, and Randleman Buffer Authorization** for the Proposed Reconstruction of the U.S. 29-70/ I-85 Business and S.R. 1009 (South Main Street) Interchange in High Point, Guilford County, Federal Aid Project No. BRSTP-0070(120); TIP U-5896, Division 7, Debit \$570 from WBS Element 44674.1.2

Dear Mr. Bailey:

The North Carolina Department of Transportation (NCDOT) proposes the reconstruction of the existing U.S. 29-70/ I-85 Business and S.R. 1009 (South Main Street) Interchange in High Point, Guilford County into a diamond interchange. This action will result in 210 lf of permanent (loss of waters) impacts to streams, 248 lf feet of permanent impacts resulting from bank stabilization, 0.05 acre of permanent impacts to wetlands and there will be 0.04 acre of temporary impacts to surface waters from temporary construction impacts. Mitigation will be acquired from NCDMS for 210 LF of permanent stream impacts and for 0.05 acres of permanent wetland impacts from this project.

There will be 15,025 square feet of allowable impacts and 33,678 square feet of mitigable impacts to the Randleman Lake Buffer from roadway fill. Mitigation will be acquired from NCDMS for the mitigable buffer impacts from this project.


Please see enclosed copies of the Pre-Construction Notification (PCN), Stormwater Management Plan, Permit Drawings, and Buffer Drawings. A Categorical Exclusion (CE) was completed in February 2019 and is included in the ePCN.

This project calls for a letting date of February 15, 2022 and a review date of December 28, 2021.

A copy of this permit application and its distribution list will be posted on the NCDOT Website at: <https://xfer.services.ncdot.gov/pdea/PermApps/>. If you have any questions or need additional information, please contact Jeff Hemphill at (919) 707-6126.

Sincerely,



 Philip S. Harris III, P.E., C.P.M.
Environmental Analysis Unit Head

cc:
NCDOT Permit Application Standard Distribution List



Pre-Construction Notification (PCN) Form

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

April 4, 2021 Ver 4

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:*

Guilford

Is this a NCDMS Project?*

Yes No

Click Yes, only if NCDMS is the applicant or co-applicant.

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:

U-5896

WBS #*

WBS Element 44674.1.2
(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)

Has this PCN previously been submitted?*

Yes
 No

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

- Nationwide Permit (NWP)
 Regional General Permit (RGP)
 Standard (IP)

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

Yes No

Regional General Permit (RGP) Number:

201902350 - Work associated with bridge construction, widening, replacement, and interchanges

RGP Numbers (for multiple RGPs):

List all RGP 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 401 Water Quality Certification
 401 Water Quality Certification - Express
 Riparian Buffer Authorization

Pre-Filing Meeting Information

Before submitting this form please ensure you have submitted the Pre-Filing Meeting Request Form as we will not be able to accept your application without this important first step. The Pre-Filing Meeting Request Form is used in accordance with 40 C.F.R. Section 121.4(a) "At least 30 days prior to submitting a certification request, the project proponent shall request a pre-filing meeting with the

certifying agency" and in accordance with 40 C.F.R. Section 121.5(b)(7), and (c)(5) all certification requests shall include documentation that a pre-filing meeting request was submitted to the certifying authority at least 30 days prior to submitting the certification request. Click [here](#) to read more information on when this form is needed prior to application submission or [here](#) to view the form.

Is this a courtesy copy notification? *

Yes No

ID#

20210553

Version

Pre-filing Meeting or Request Date *

4/10/2021

Attach documentation of Pre-Filing Meeting Request here: *

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

U-5896 Pre Filing Documents.pdf

141.07KB

File type must be PDF

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

FILE TYPE 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: *

jhemphill@ncdot.gov

1c. Primary Contact Phone: *

(xxx)xxx-xxxx
(919)219-8581

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: *

N/A

2b. Deed book and page no.:

2c. Contact Person:

(for Corporations)

2d. Address *

Street Address

N/A

Address Line 2

City

N/A

Postal / Zip Code

N/A

State / Province / Region

N/A

Country

N/A

2e. Telephone Number: *

(xxx)xxx-xxxx

(919)707-6123

2f. Fax Number:

(xxx)xxx-xxxx

2g. Email Address: *

pharris@ncdot.gov

3. Applicant Information (if different from owner)

3a. Name: *

NCDOT

3b. Business Name:

(if applicable)

3c. Address *

Street Address

1598 Mail Service Center

Address Line 2

City

Raleigh

Postal / Zip Code

Postal / Zip Code 27699-1598

State / Province / Region

NC

Country

United State of America

3d. Telephone Number: *

(919)707-6110

(xxx)xxx-xxxx

3e. Fax Number:

(xxx)xxx-xxxx

3f. Email Address: *

pharris@ncdot.gov

C. Project Information and Prior Project History



1. Project Information



1a. Name of project: *

U-5896 - The Reconstruction of the US 29/US 70/Business I-85 and SR 1009 (South Main Street) interchange in High Point, Guilford County

1b. Subdivision name:

(if appropriate)

1c. Nearest municipality / town: *

High Point

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

Postal / Zip Code

State / Province / Region

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: *

Longitude: *

35.935133
ex: 34.208504

-77.991623
-77.796371

3. Surface Waters

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

Richland Creek

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

WS-IV

[Surface Water Lookup](#)

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

Cape Fear

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

030300030103

[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:*

Urban Interchange with residential and commercial property interspersed along with undeveloped land.

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:

0.22 Ac.

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

(intermittent and perennial)

3,847 lf.

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

- Improve mobility in the U.S. 29-70/ I-85 and S.R. 1009 (South Main Street) and interchange by limiting driveway access along and in proximity to the interchange.
- Alleviate existing congestion at several of the existing un-signalized ramp terminals.
- Upgrade interchange design to meet current design standards.
- Replace a functionally obsolete bridge.

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

Project U-5896 involves the reconstruction of an interchange at I-85 Business/ US 29/70 and South Main Street/Business 311 near High Point.

This interchange contains non-standard ramps, including businesses with driveway access within the ramp, which results in congestion at the interchange. In addition, bridge 147 is functionally obsolete and will be replaced with this project.

This project is located in the Randleman Lake watershed and is buffered according to the rules of that watershed. A retaining wall will be used to avoid and minimize impacts to Richland Creek. Existing erosion was noted and rock plating was used to minimize further erosion of the stream banks and to aid in the stability of the proposed retaining wall.

The project area has been reduced to avoid impacts to Richland Creek. 2:1 slopes are used where possible.

Erosion Control devices such as preformed scour holes, stilling basins, special stilling basins, silt fence, special sediment control fence, rock inlet sediment traps, pipe inlet sediment traps, and slope drains will be utilized to contain and minimize sedimentation.

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

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

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

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

Name (if known): Nathan Howell

Agency/Consultant Company: Three Oaks

Other:

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

June 19, 2018 - David Bailey USACE, April Norton NCDWR

5d1. Jurisdictional determination upload

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

NCDWR_STIP 5896_Stream Determination Letter.pdf

632.25KB

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, Open Waters, Streams-tributaries, Pond Construction, Buffers

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".

Table with 8 columns: 2a. Site #, 2a1 Reason, 2b. Impact type, 2c. Type of W., 2d. W. name, 2e. Forested, 2f. Type of Jurisdiction, 2g. Impact area

2g. Total Temporary Wetland Impact

0.000

2g. Total Permanent Wetland Impact

0.049

2g. Total Wetland Impact

0.049

2i. 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".

Table with 9 columns: 3a. Reason for impact, 3b. Impact type, 3c. Type of impact, 3d. S. name, 3e. Stream Type, 3f. Type of Jurisdiction, 3g. S. width, 3h. Impact length

S4	Stream Bank Stabilization	Temporary	Bank Stabilization	Richland Creek	Perennial	Both	22 Average (feet)	73 (linear feet)
S5	Scour Hole Stabilization	Permanent	Stabilization	Richland Creek	Perennial	Both	22 Average (feet)	40 (linear feet)
S6	Scour Hole Stabilization	Temporary	Stabilization	Richland Creek	Perennial	Both	22 Average (feet)	23 (linear feet)
S7	Stream Bank Stabilization	Permanent	Bank Stabilization	SA - UT to Richland Creek	Perennial	Both	8 Average (feet)	40 (linear feet)
S8	Stream Bank Stabilization	Temporary	Bank Stabilization	SA - UT to Richland Creek	Perennial	Both	8 Average (feet)	16 (linear feet)
S9	Culvert	Permanent	Culvert	SA - UT to Richland Creek	Perennial	Both	8 Average (feet)	21 (linear feet)
S10	Stream Relocation	Permanent	Rip Rap Fill	SF - UT to Richland Creek	Intermittent	Corps	4 Average (feet)	149 (linear feet)
S11	Stream Bank Stabilization	Permanent	Bank Stabilization	Richland Creek	Perennial	Both	22 Average (feet)	4 (linear feet)
S12	Stream Bank Stabilization	Temporary	Bank Stabilization	Richland Creek	Perennial	Both	22 Average (feet)	15 (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:

458

3i. Total temporary stream impacts:

238

3i. Total stream and ditch impacts:

696

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.

- Neuse
- Catawba
- Goose Creek
- 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*
1A: Parallel Impact - Mitigation	P	Richland Creek	Yes	3,445 (square feet)	2,166 (square feet)
1B: Parallel Impact - Mitigation	P	Richland Creek	Yes	3,445 (square feet)	329 (square feet)
1C: Parallel Impact - Mitigation	P	Richland Creek	Yes	3,883 (square feet)	2,025 (square feet)
1D: Parallel Impact - Mitigation	P	Richland Creek	Yes	6,439 (square feet)	1,574 (square feet)
1D2: Road Crossing - Allowable	P	Richland Creek	No	2,488 (square feet)	0 (square feet)
1E: Parallel Impact - Mitigation	P	Richland Creek	Yes	3,246 (square feet)	621 (square feet)
2: Road Crossing - Allowable	P	SA - UT to Richland Creek	No	7,941 (square feet)	4,596 (square feet)
3: Parallel Impact - Mitigation	P	Richland Creek	Yes	1,437 (square feet)	2,875 (square feet)
4: Parallel Impact - Mitigation	P	Richland Creek	Yes	1,292 (square feet)	901 (square feet)

6h. Total buffer impacts:

	Zone 1	Zone 2
Total Temporary impacts:	0.00	0.00
Total Permanent impacts:	33,616.00	15,087.00
Total combined buffer impacts:	33,616.00	15,087.00

6i. Comments:

There are Utility Buffer Impacts at Buffer Impact Sites 1D, 1D2, 1E, and 2. These impacts are completely encompassed in the Hydro Utility Impacts in the table above.

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:*

Due to the proximity of Richland Creek to the existing US-29-70/I-85 BUS, the originally proposed typical for the interchange improvements pushed slope stake lines into Richland Creek and would have created significant relocation and impact to Richland Creek. A retaining wall from -L- STA. 10+00 to STA. 15+50 was designed in order to minimize impacts and prevent relocation of Richland Creek.

The location of the proposed retaining wall and the existing conditions of Richland Creek's bank in this location raised erosion and stability concerns if left as bare soil. It was determined through coordination with multiple disciplines that rock plating should be utilized to stabilize the bank of Richland Creek and to protect the stream bank, retaining wall, and roadway. Stabilizing the existing bank with rock plating should reduce existing bank erosion and sedimentation downstream.

The existing 5'x6' RCBC crossing has a scour hole at the outfall in Richland Creek likely due to the existing crossing being undersized. A supplemental 48" Welded Steel pipe has been proposed to reduce crossing outlet velocities which will help reduce scour of Richland Creek. Class II Rip Rap is proposed in our current design in order to bring the current scour hole up to the natural Richland Creek bed elevation and protect Richland Creek from further scouring. The existing 5'x6' RCBC is also being retained in order to minimize impacts to the UT to Richland Creek and Richland Creek itself. It was considered to replace the existing 5'x6' with an upsized crossing, however due to the existing site conditions and necessary crossing relocation for constructability, it was likely to create additional impacts to JS features and deemed not appropriate. It was considered to not add the 48" supplemental pipe and maintain the existing RCBC. However, due to the anticipated future buildout of the upstream drainage area, the undersized crossing, along with the current and future scour potential downstream, it was determined a supplemental pipe would be beneficial.

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

Best Construction Practices 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?

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)

210

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

warm

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)

33,678

4e. Riparian wetland mitigation requested:

(acres)

0.05

4f. Non-riparian wetland mitigation requested:

(acres)

4g. Coastal (tidal) wetland mitigation requested:

(acres)

4h. Comments

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

6b. If yes, then identify the square feet of impact to each zone of the riparian buffer that requires mitigation calculate the amount of mitigation required in the table below.

	6c. Reason for impact	6d. Total impact (square feet)	Multiplier	6e. Required mitigation (square feet)	
Zone 1		23,187	3	69,561	

Zone 2 10,491 1.5 15,737

6f. Total buffer mitigation required

85298

6g. If buffer mitigation is required, is payment to a mitigation bank or NC Division of Mitigation Services proposed?

Yes No

6h. Attach the acceptance letter from the mitigation bank or NC Division of Mitigation Services.

U-5896 DMS Acceptance Letter.pdf
(PDF only)

240.58KB

6j. Comments:

Mitigation will be secured from NCDMS

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

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.

What type of SCM are you providing?

- 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 PDF

2. Stormwater Management Plan

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

Yes No

Comments:

This project is located in the Randleman Lake watershed and is buffered according to the rules of that watershed. A retaining wall has been used to limit erosion and disturbance to Richland Creek. Existing erosion was noted and rock plating was used to minimize further erosion of the stream banks and to aid in the stability of the proposed retaining wall in areas from 10+50 to 14+00 -L- LT. Typical sections at the start of the -Y- line were adjusted to minimize impacts to Richland Creek. 2:1 side slopes were used where possible to limit permanent fill impacts to jurisdictional features. Erosion Control devices such as preformed scour holes, stilling basins, special stilling basins, silt fence, special sediment control fence, rock inlet sediment traps, pipe inlet sediment traps, and slope drains will be utilized to contain and minimize sedimentation.

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

U-5896 CE.pdf

14.71MB

FILETYPE 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.

The project will not alter travel patterns, reduce travel time, affect access to properties in the area, or open areas for development or redevelopment. Due to its minimal transportation impact-causing activities, this project will neither influence nearby land uses nor stimulate growth. Therefore, a detailed indirect and 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

5d. Is another Federal agency involved? *

Yes No Unknown

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? *

USFWS IPAC website. A review of IPAC on August 25, 2021, resulted in two federally protected species listed in the project footprint with Schweintiz's sunflower being added since the issuance of the CE. A survey for Schweintiz's sunflower was conducted on October 29, 2019 and found suitable habitat but no specimens were observed. An October 7, 2021 survey found no specimens. There is no habitat for small whorled pogonia in the project footprint.

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? *

Review of online mapping sources

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? *

The attached Historical Architecture and Archeology Survey forms.

7c. Historic or Prehistoric Information Upload

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

U-5896 Guilford No Archaeological Survey Required Form.pdf	1.62MB
U-5896 NoHistoricProps.pdf	1.63MB
U-5896 Final CIA.pdf	5.63MB

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:

The existing Culvert #401286 is extended with a 5' x 6' RCBC with concrete beveled headwall and additional 48" RCP for floodplain conveyance that decreases the 100yr water surface elevations from the downstream limit of the study (RS 92) of the project to the downstream face of the parking lot culvert at RS 469. The maximum decrease in water surface elevation of 2.6' occurs at RS 248, RS 259, RS 297, RS 312, and RS 332. This dictates that the Culvert #840290 be submitted as a MOA Type 2b.

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

FEMA Floodmaps

Miscellaneous

Comments

Miscellaneous attachments not previously requested.

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

U-5896 Final Permit Drawings.pdf	15.76MB
U-5896_hyd_prm_buf_20210826.pdf	2.41MB
U-5896 Roadway Plansheets.pdf	12.04MB
U-5896 Permit Application Cover Letter.pdf	258.24KB

File must be PDF or KMZ

Signature

*

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

- The project proponent hereby certifies that all information contained herein is true, accurate, and complete to the best of my knowledge and belief; and
- The project proponent hereby requests that the certifying authority review and take action on this CWA 401 certification request within the applicable reasonable period of time.
- 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: *

Michael Anthony Turchy

Signature *



Date

10/11/2021

Pre-Filing Meeting Review Completed for U-5896 - 20210553 Ver 1

laserfiche@ncdenr.gov <laserfiche@ncdenr.gov>

Sat 4/10/2021 12:00 AM

To: Turchy, Michael A <maturchy@ncdot.gov>

Cc: Wanucha, Dave <dave.wanucha@ncdenr.gov>

The North Carolina Division of Water Resources has received the Pre-Filing Meeting Request Form for U-5896 that you submitted on 3/10/2021 9:47 PM. The ID number for that project is 20210553, Version 1.

It has been decided that no meeting is needed for this project.

Review Comments (If provided):

Project file link: <https://edocs.deq.nc.gov/WaterResources/Browse.aspx?dbid=0&startid=1677309>

When you submit your application please upload a copy of the attached document in this email.

This email was automatically generated by Laserfiche workflow. Please do not respond to this email address, as responses are not monitored.

Pre-Filing Meeting Request Submittal for U-5896

laserfiche@ncdenr.gov <laserfiche@ncdenr.gov>

Wed 3/10/2021 9:47 PM

To: Turchy, Michael A <maturchy@ncdot.gov>

 1 attachments (51 KB)

DWR Pre-Filing Meeting Request Form.pdf;

The North Carolina Division of Water Resources has received the Pre-Filing Meeting Request Form for U-5896 that you submitted on 3/10/2021. Attached is a copy of your initial request.

This email was automatically generated by Laserfiche workflow. Please do not respond to this email address, as responses aren't monitored.

DWR Pre-Filing Meeting Request Form



Contact Name * Michael Turchy

Contact Email Address * maturchy@ncdot.gov

Project Owner * NCDOT

Project Name * U-5896

Project County * Guilford

Owner Address: *

Street Address	
1598 Mail Service Center	
Address Line 2	
City	State / Province / Region
Raleigh	NC
Postal / Zip Code	Country
27699	US

Is this a transportation project? * Yes No

Type(s) of approval sought from the DWR:

- 401 Water Quality Certification - Regular 401 Water Quality Certification - Express
- Individual Permit Modification
- Shoreline Stabilization

Does this project have an existing project ID#? *

Yes No

Do you know the name of the staff member you would like to request a meeting with?

no meeting requested

Please give a brief project description below. *

Re-construction of the interchange with US 29/70, Business 85 and South Main Street.

Please give a couple of dates you are available for a meeting.

Please attach the documentation you would like to have the meeting about.

pdf only

By digitally signing below, I certify that I have read and understood that per the Federal Clean Water Act Section 401 Certification Rule the following statements:

- This form completes the requirement of the Pre-Filing Meeting Request in the Clean Water Act Section 401 Certification

Rule.

- I understand by signing this form that I cannot submit my application until 30 calendar days after this pre-filing meeting request.
- I also understand that DWR is not required to respond or grant the meeting request.

Your project's thirty-day clock started upon receipt of this application. You will receive notification regarding meeting location and time if a meeting is necessary. You will receive notification when the thirty-day clock has expired, and you can submit an application.

Signature *

A rectangular box containing a handwritten signature in cursive script that reads "Michael Turchy".

Submittal Date

3/10/2021

ROY COOPER
 Governor
 ELIZABETH S. BISER
 Secretary



October 4, 2021

Mr. Philip S. Harris, III, P.E.
 Environmental Analysis Unit
 North Carolina Department of Transportation
 1598 Mail Service Center
 Raleigh, North Carolina 27699-1598

Dear Mr. Harris:

Subject: DMS Mitigation Acceptance Letter:

U-5896, Re-Construct Interchange – US 29 / US 70 / Business 85 / SR 1009
 (South Main Street) in High Point, Guilford County (combined with B-5353)

The purpose of this letter is to notify you that the NCDEQ Division of Mitigation Services (NCDEQ DMS) will provide the stream and buffer mitigation for the subject project. Based on the information supplied by you on April 22, 2021, the impacts are located in CU 03030003 of the Cape Fear River basin (Randleman) in the Central Piedmont (CP) Eco-Region, and are as follows:

Cape Fear 03030003 Randleman	Stream			Wetlands			Buffer (Sq. Ft.)	
	Cold	Cool	Warm	Riparian	Non-Riparian	Coastal Marsh	Zone 1	Zone 2
Impacts (feet/acres)	0	0	210.0	0.050	0	0	23,187.0	10,491.0

All buffer mitigation requests and approvals are administrated through the Riparian Restoration Buffer Fund. The NCDOT will be responsible to ensure that appropriate compensation for the buffer mitigation will be provided in the agreed upon method of fund transfer. Upon receipt of the NCDWR's Buffer Authorization Certification, DMS will transfer funds from the NCDOT 2984 Fund into the Riparian Restoration Buffer Fund. Upon completion of transfer payment, NCDOT will have completed its riparian buffer mitigation responsibility for this project.



North Carolina Department of Environmental Quality | Division of Mitigation Services
 217 West Jones Street | 1652 Mail Service Center | Raleigh, North Carolina 27699-1652
 919.707.8976

Mr. Harris
TIP U-5896
October 4, 2021
Page Two

The impacts and associated mitigation needs were not projected by the NCDOT in the 2021 impact projection data. DMS commits to implementing sufficient stream mitigation credits to offset the impacts associated with this project as determined by the regulatory agencies in accordance with the In-Lieu Fee Instrument dated July 28, 2010. If the above referenced impact amounts are revised, then this mitigation acceptance letter will no longer be valid and a new mitigation acceptance letter will be required from DMS.

If you have any questions or need additional information, please contact Beth Harmon at 919-707-8420.

Sincerely,

Elizabeth Harmon

James B. Stanfill
DMS Asset Management Supervisor

cc: Mr. Monte Matthews, NCDWR – Raleigh Regulatory Field Office
Ms. Amy Chapman, NCDWR
File: U-5896



North Carolina Department of Environmental Quality | Division of Mitigation Services
217 West Jones Street | 1652 Mail Service Center | Raleigh, North Carolina 27699-1652
919.707.8976



North Carolina Department of Transportation

Highway Stormwater Program
STORMWATER MANAGEMENT PLAN
FOR NCDOT PROJECTS



(Version 2.08; Released April 2018)

WBS Element: 44674.1.2 TIP No.: U-5896 County(ies): Guilford Page 1 of 2

General Project Information

WBS Element:	44674.1.2	TIP Number:	U-5896	Project Type:	Bridge Replacement	Date:	12/11/2019
NCDOT Contact:	Bryan Key		Contractor / Designer:	VHB/ Reid Robol, PE			
Address:	1000 Birch Ridge Dr Raleigh, NC 27610		Address:	940 Main Campus Dr Suite 500 Raleigh, NC 27606			
	Phone:	(919) 707-6263		Phone:	(919) 829-0328		
	Email:	bckey@ncdot.gov		Email:	rrobol@vhb.com		
City/Town:	High Point		County(ies):	Guilford			
River Basin(s):	Cape Fear		CAMA County?	No			
Wetlands within Project Limits?	Yes						

Project Description

Project Length (lin. miles or feet):	0.72	Surrounding Land Use:	Forest, grassy median, residential					
	Proposed Project		Existing Site					
Project Built-Upon Area (ac.)	13.6	ac.	11.5	ac.				
Typical Cross Section Description:	-L- line: 4x12' lanes, 10' paved median w/ 2' barrier, 18' paved shoulders -Y- line: 4x12' lanes, 10' paved median w/ 2' barrier, 12' paved shoulders			-L- line: 4x11-12' lanes w/ grassy median -Y- line: 4x11-12' lanes w/ grassy median				
Annual Avg Daily Traffic (veh/hr/day):	Design/Future:	42700	Year:	2040	Existing:	38070	Year:	2020
General Project Narrative: (Description of Minimization of Water Quality Impacts)	<p>Project U-5896 involves the reconstruction of an interchange at I-85BUS/US 29/US 70 and S Main Street/BUS 311 near High Point. This project is located in the Randleman Lake watershed and is buffered according to the rules of that watershed. A retaining wall has been used to limit erosion and disturbance to Richland Creek. Existing erosion was noted and rock plating was used to minimize further erosion of the stream banks and to aid in the stability of the proposed retaining wall in areas from 10+50 to 14+00 -L- LT. Typical sections at the start of the -Y- line were adjusted to minimize impacts to Richland Creek. 2:1 side slopes were used where possible to limit permanent fill impacts to jurisdictional features. Erosion Control devices such as preformed scour holes, stilling basins, special stilling basins, silt fence, special sediment control fence, rock inlet sediment traps, pipe inlet sediment traps, and slope drains will be utilized to contain and minimize sedimentation. Additional avoidance and minimization efforts are attached.</p>							

Waterbody Information

Surface Water Body (1):	Richland Creek		NCDWR Stream Index No.:	17-7-(0.5)			
NCDWR Surface Water Classification for Water Body	Primary Classification:		Water Supply IV (WS-IV)				
	Supplemental Classification:		Critical Supply Watershed				
Other Stream Classification:							
Impairments:							
Aquatic T&E Species?	No	Comments:					
NRTR Stream ID:				Buffer Rules in Effect:	Randleman Lake		
Project Includes Bridge Spanning Water Body?	No	Deck Drains Discharge Over Buffer?	N/A	Dissipator Pads Provided in Buffer?	N/A		
Deck Drains Discharge Over Water Body?	N/A	(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)							

U-5896 Avoidance and Minimization Effort Description

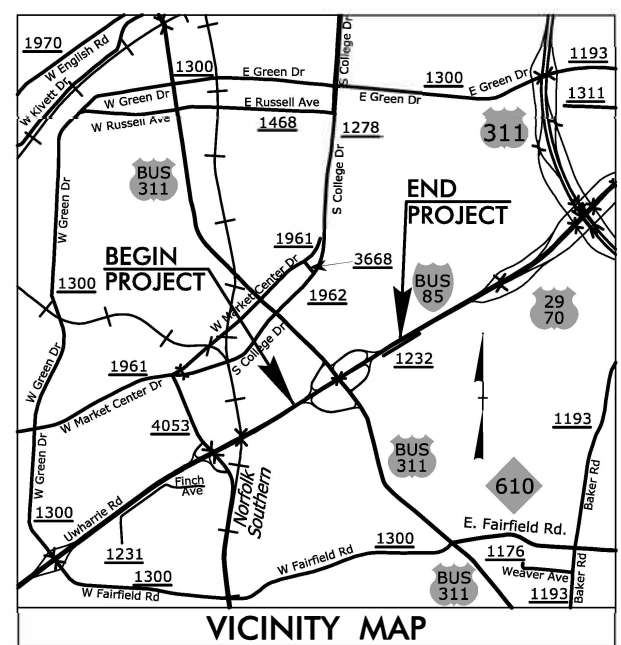
SMP General Narrative Attachment

10/28/2020

- Due to the proximity of Richland Creek to the existing US-29-70/I-85 BUS, the originally proposed typical for the interchange improvements pushed slope stake lines into Richland Creek and would have created significant relocation and impact to Richland Creek. A retaining wall from -L- STA. 10+00 to STA. 15+50 was designed in order to minimize impacts and prevent relocation of Richland Creek.
- The location of the proposed retaining wall and the existing conditions of Richland Creek's bank in this location raised erosion and stability concerns if left as bare soil. It was determined through coordination with multiple disciplines that rock plating should be utilized to stabilize the bank of Richland Creek and to protect the stream bank, retaining wall, and roadway. Stabilizing the existing bank with rock plating should reduce existing bank erosion and sedimentation downstream.
- The existing 5'x6' RCBC crossing has a scour hole at the outfall in Richland Creek likely due to the existing crossing being undersized. A supplemental 48" Welded Steel pipe has been proposed to reduce crossing outlet velocities which will help reduce scour of Richland Creek. Class II Rip Rap is proposed in our current design in order to bring the current scour hole up to the natural Richland Creek bed elevation and protect Richland Creek from further scouring. The existing 5'x6' RCBC is also being retained in order to minimize impacts to the UT to Richland Creek and Richland Creek itself.
 - It was considered to replace the existing 5'x6' with an upsized crossing, however due to the existing site conditions and necessary crossing relocation for constructability, it was likely to create additional impacts to JS features and deemed not appropriate.
 - It was considered to not add the 48" supplemental pipe and maintain the existing RCBC. However, due to anticipated future buildout of the upstream drainage area, the undersized crossing, along with the current and future scour potential downstream, it was determined a supplemental pipe would be beneficial.

09/28/19

TIP PROJECT: U-5896



See Sheet 1A For Index of Sheets,
See Sheet 1B For Conventional Symbols

25% PLANS

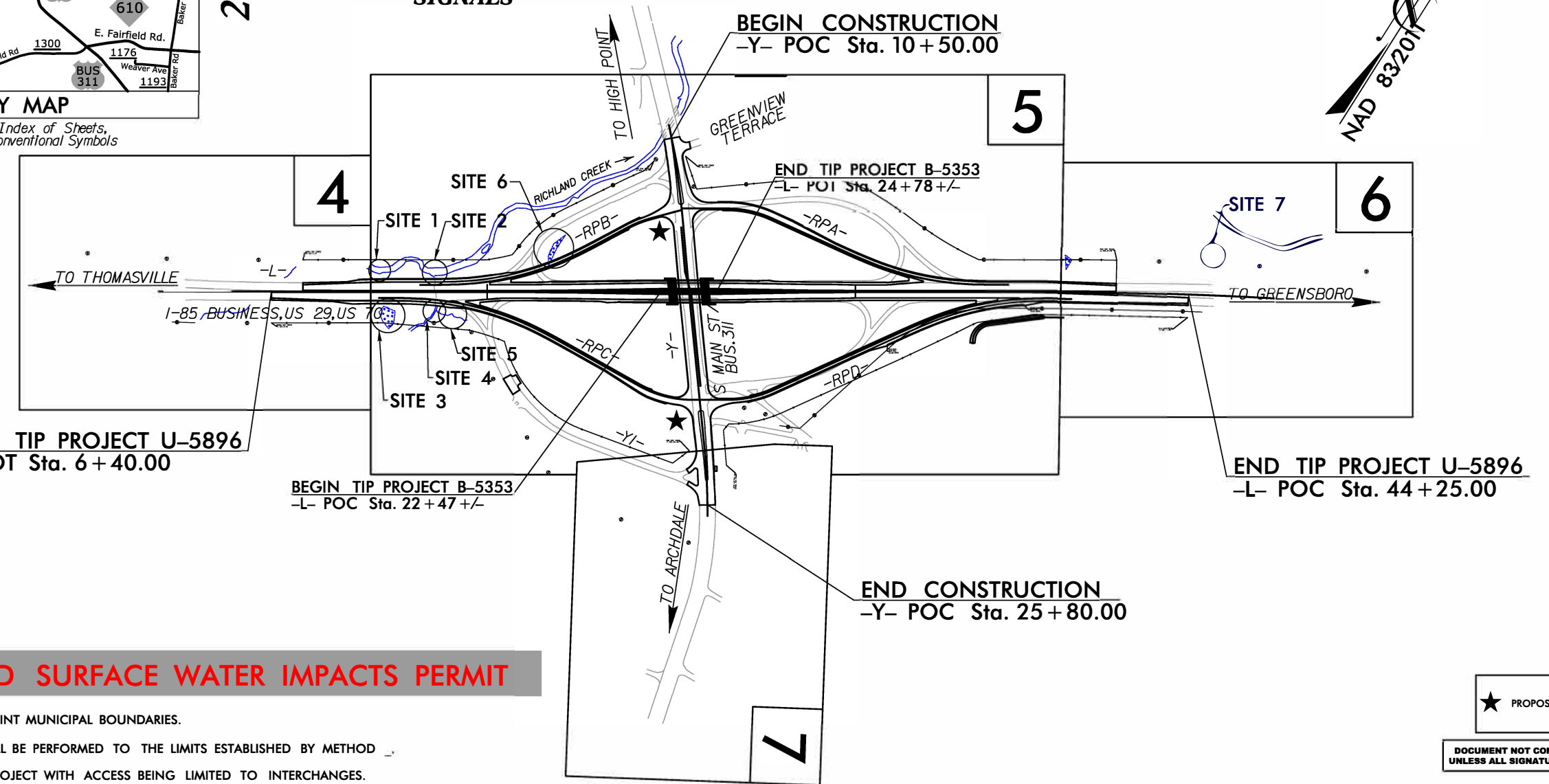
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
GUILFORD COUNTY

PERMIT DRAWING
SHEET 1 OF 11

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-5896	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
44674.1.2	NHP-0029(068)	PE(U-5896)	

LOCATION: INTERCHANGE AT US 29, US 70 AND S MAIN STREET
(SR 1009 & US 311 BUSINESS), NEAR HIGH POINT

TYPE OF WORK: GRADING, PAVING, DRAINAGE, STRUCTURE,
SIGNALS



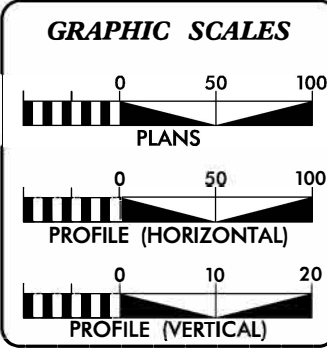
WETLAND AND SURFACE WATER IMPACTS PERMIT

THIS PROJECT IS WITHIN HIGH POINT MUNICIPAL BOUNDARIES.
CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD
THIS IS A CONTROLLED-ACCESS PROJECT WITH ACCESS BEING LIMITED TO INTERCHANGES.

★ PROPOSED SIGNAL

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

CON1 CT:



DESIGN DATA

ADT 2020 =	38,070
ADT 2040 =	42,700
K =	10 %
D =	60 %
T =	9 % *
V =	60 MPH
* TTST =	4% DUAL = 5%
FUNC CLASS =	FREEWAY
STATEWIDE TIER	

PROJECT LENGTH

LENGTH OF ROADWAY TIP PROJECT U-5896	=	0.683	MI
LENGTH OF STRUCTURE TIP PROJECT B-5353	=	0.034	MI
TOTAL LENGTH TIP PROJECTS U-5896 & B-5353	=	0.717	MI

PLANS PREPARED FOR THE NCDOT BY:

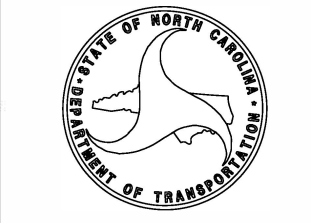
M MOTT MACDONALD 2018 STANDARD SPECIFICATIONS	PO Box 700 Fuquay-Varina, NC 27526 (919) 552-2253 (919) 552-2254 (Fax) www.mottmac.com/americas LICENSE NO. F-0669	vhb VHB Engineering NC, P.C. (C-3705) 940 Main Campus Drive, Suite 500 Raleigh, NC 27606
RIGHT OF WAY DATE: MAY 31, 2019	TIM JORDAN, PE PROJECT ENGINEER	JORDAN WOODARD, PE PROJECT DESIGN ENGINEER
LETTING DATE: AUGUST 18, 2020	BRYAN C. KEY, PE NCDOT CONTACT DIVISION 1	

HYDRAULICS ENGINEER

SIGNATURE: _____ P.E.


ROADWAY DESIGN ENGINEER

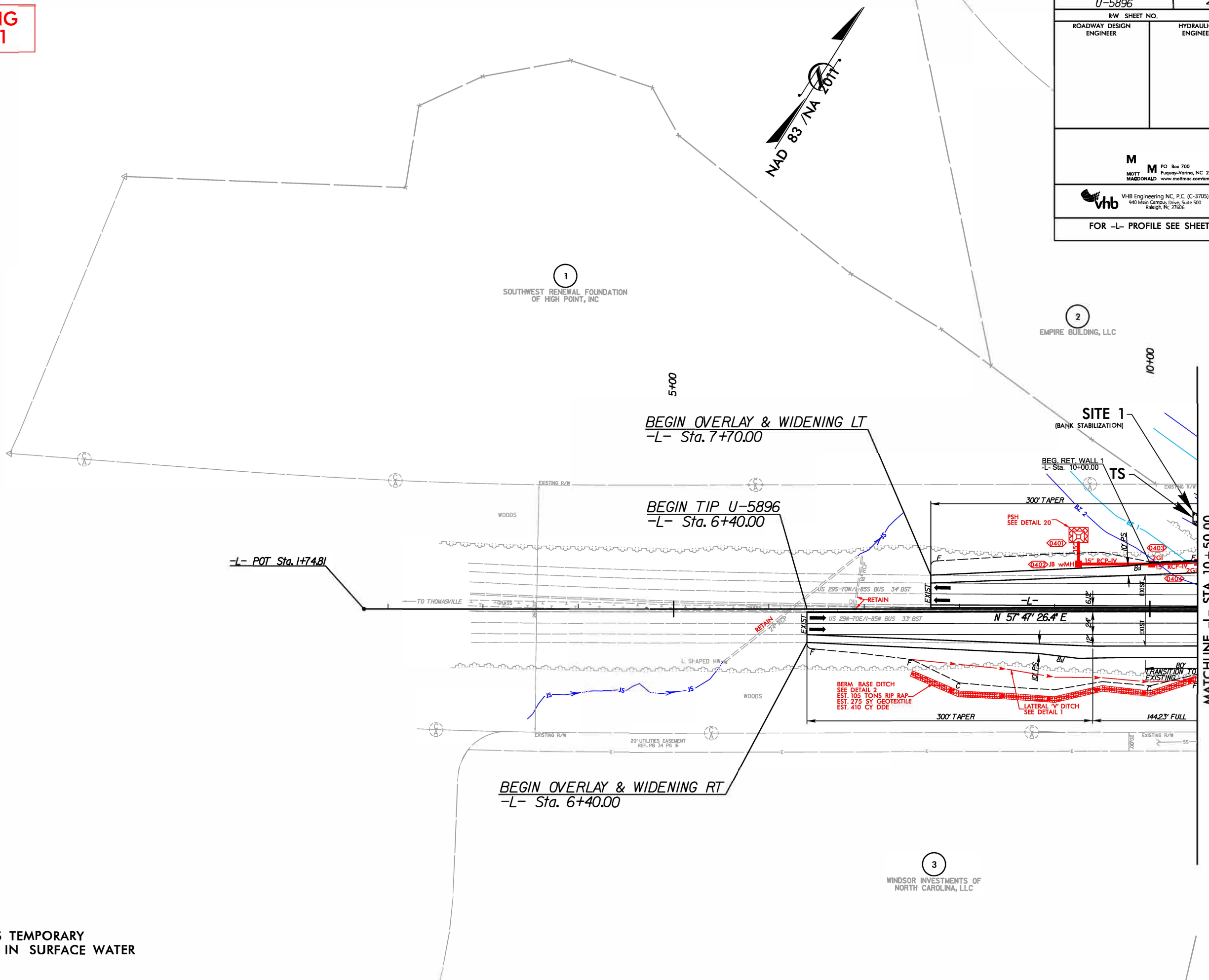
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**PERMIT DRAWING
SHEET 2 OF 11**

PROJECT REFERENCE NO. U-5896		SHEET NO. 4	
R/W SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
M MOTT MADDONALD PO Box 700 Fuquay-Varina, NC 27526 www.mottmac.com/americas			
 VHB Engineering NC, P.C. (C-3705) 940 Main Campus Drive, Suite 500 Raleigh, NC 27606			
FOR -L- PROFILE SEE SHEET 8			




MATCHLINE -L- STA 10 + 50.00
SEE SHEET NO. 5

 DENOTES TEMPORARY IMPACTS IN SURFACE WATER

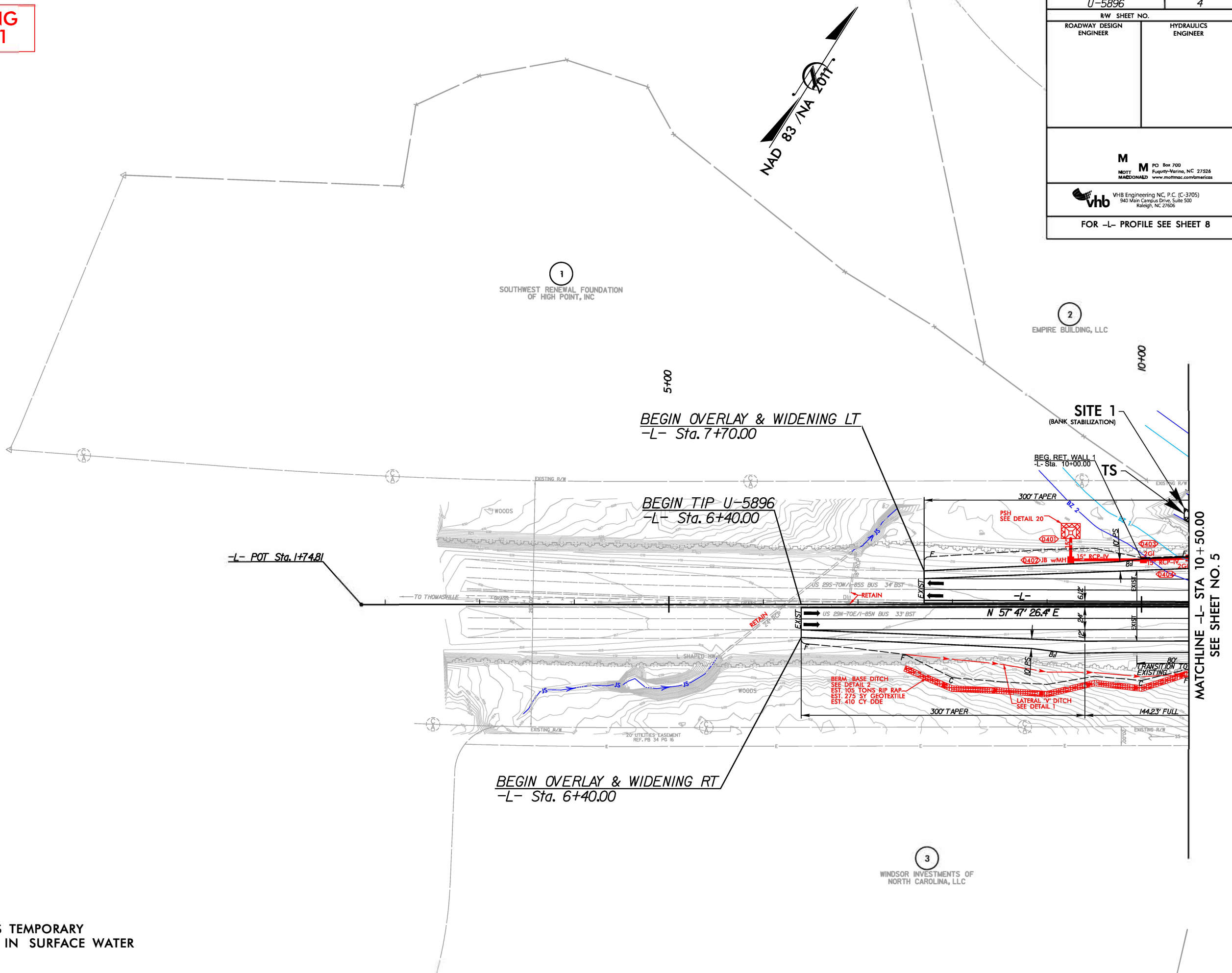
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**PERMIT DRAWING
SHEET 3 OF 11**



PROJECT REFERENCE NO. <i>U-5896</i>		SHEET NO. <i>4</i>
R/W SHEET NO.		
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER	
M MOTT MADDONALD PO Box 700 Fuquay-Varina, NC 27526 www.mottmac.com/americas		
 vhb VHB Engineering NC, P.C. (C-3705) 940 Main Campus Drive, Suite 500 Raleigh, NC 27606		
FOR -L- PROFILE SEE SHEET 8		

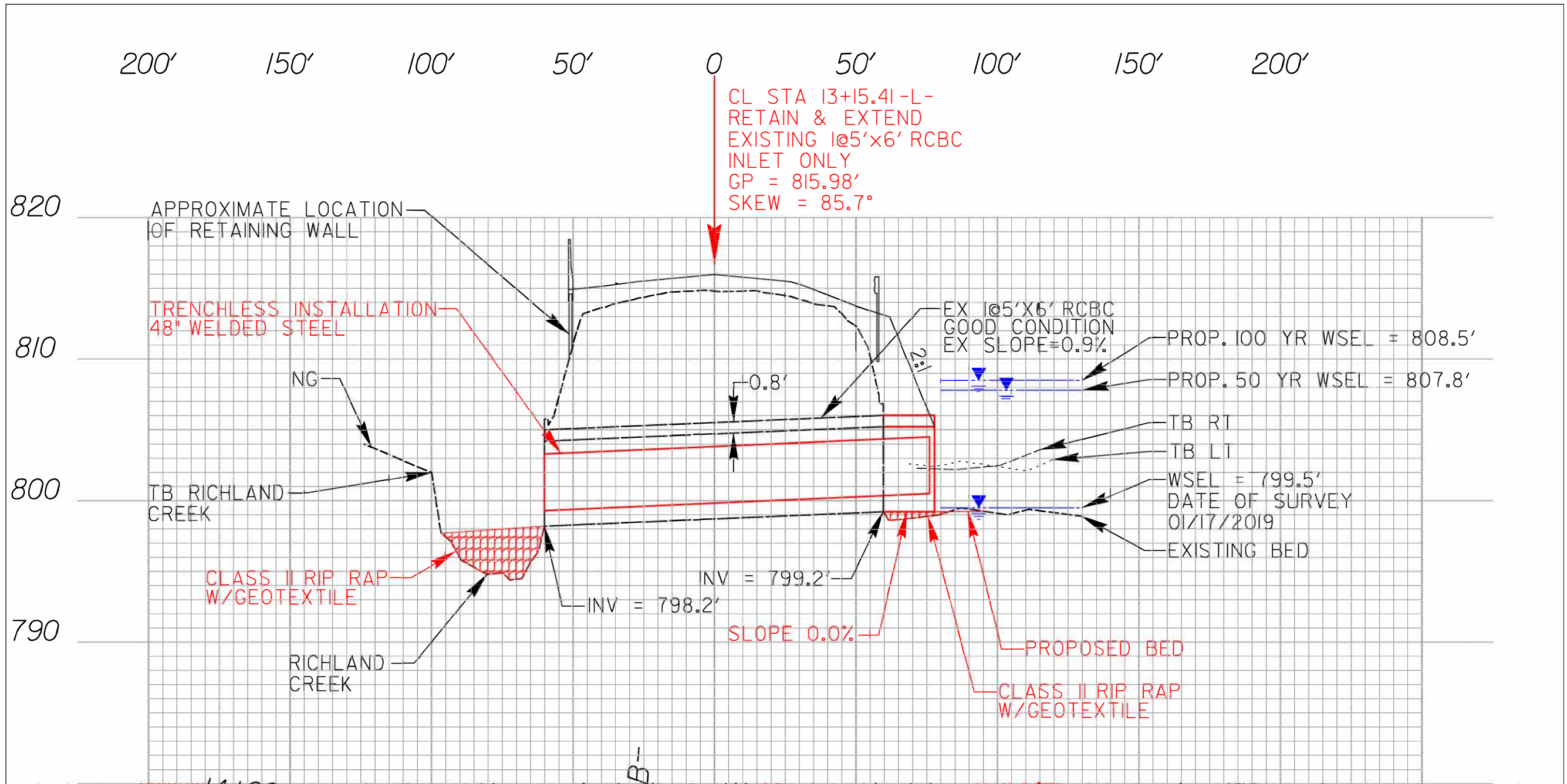
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 DENOTES TEMPORARY IMPACTS IN SURFACE WATER



**PERMIT DRAWING
SHEET 6 OF 11**

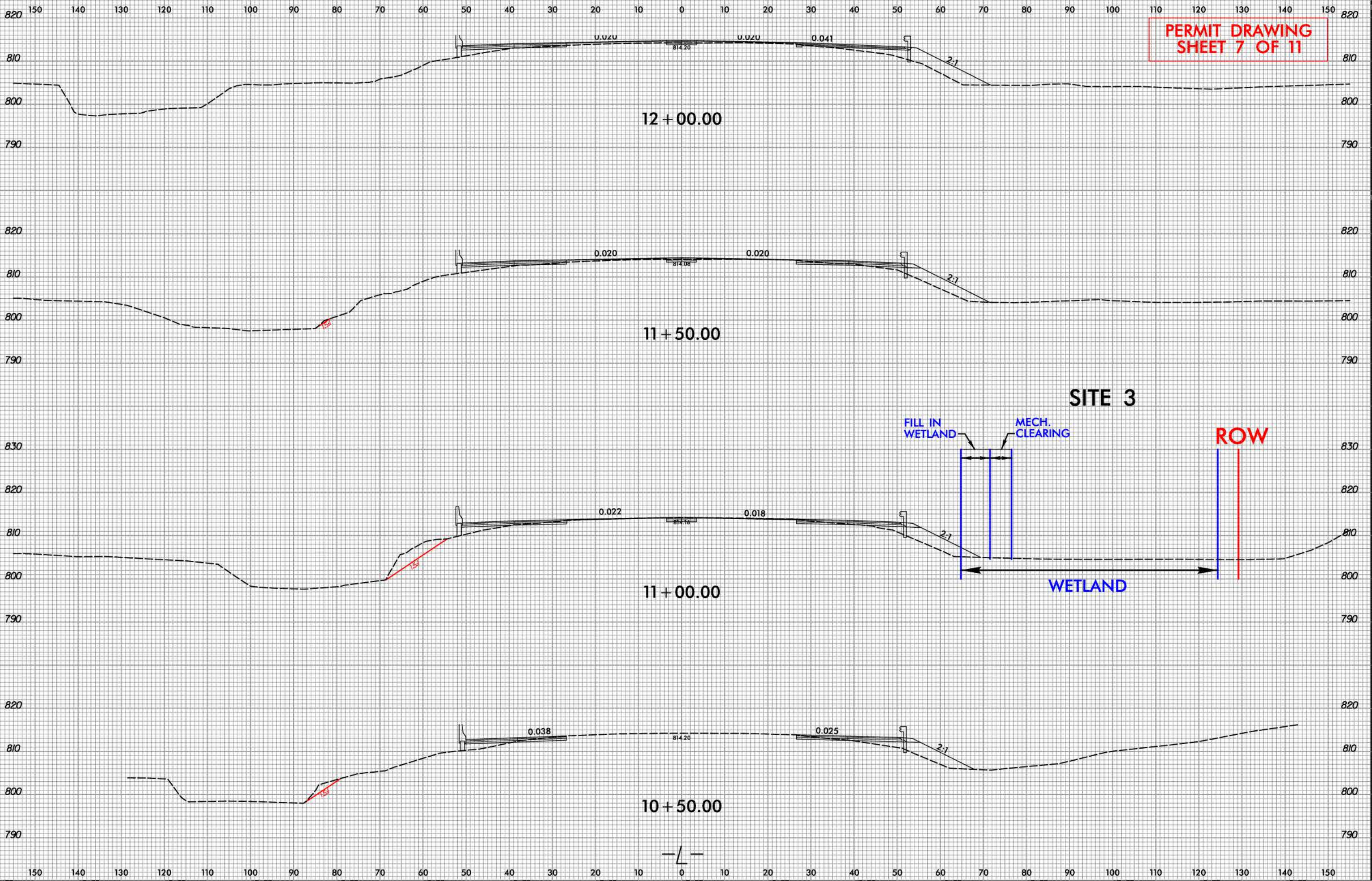
PROJECT REFERENCE NO. <i>U-5896</i>		SHEET NO.
RW SHEET NO.		
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER	
 M MOTT MACDONALD PO Box 700 Fuquay-Varina, NC 27526 www.mottmac.com/americas		
 vhb VHB Engineering NC, P.C. (C-3705) 940 Main Campus Drive, Suite 500 Raleigh, NC 27606		



REVISIONS

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 8/17/19

6/23/16



**PERMIT DRAWING
SHEET 7 OF 11**

SITE 3

FILL IN WETLAND

MECH. CLEARING

ROW

WETLAND

12 + 00.00

11 + 50.00

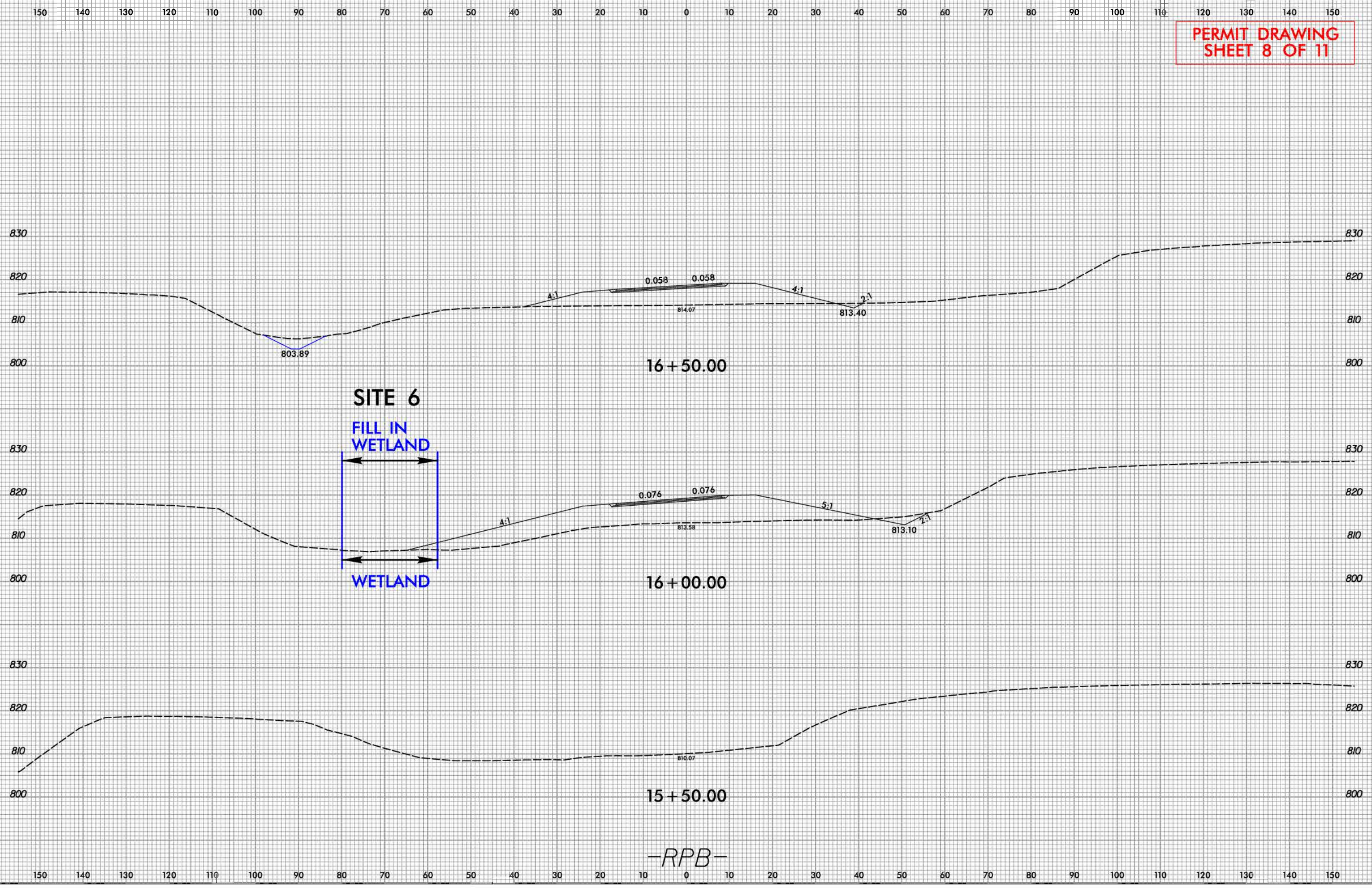
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6/23/16

PERMIT DRAWING
SHEET 8 OF 11

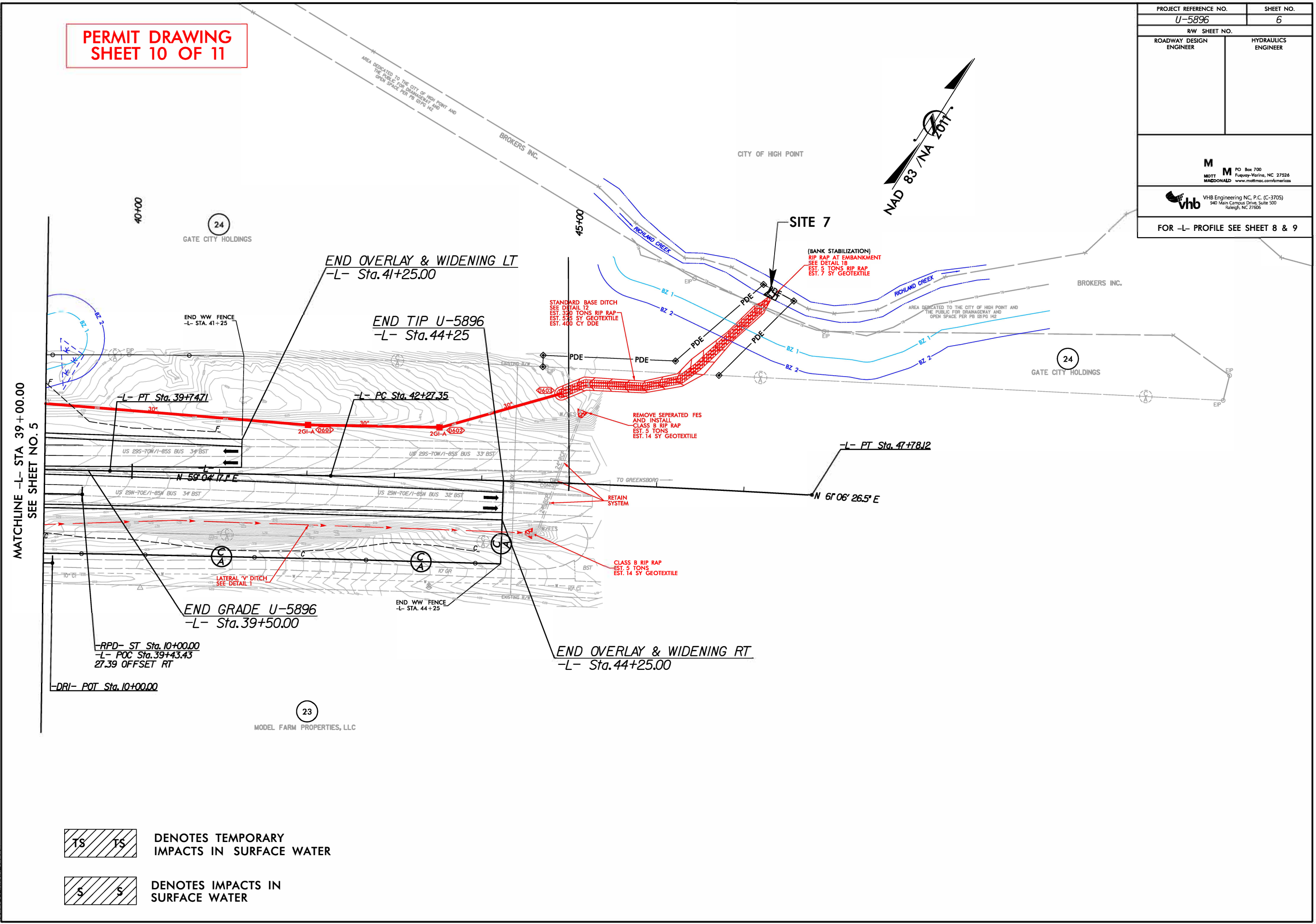




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**PERMIT DRAWING
SHEET 10 OF 11**

PROJECT REFERENCE NO. <i>U-5896</i>	SHEET NO. 6
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
M MOTT MADDONALD PO Box 700 Fuquay-Varina, NC 27526 www.mottmac.com/americas	
vhb VHB Engineering NC, P.C. (C-3705) 940 Main Campus Drive, Suite 500 Raleigh, NC 27606	
FOR -L- PROFILE SEE SHEET 8 & 9	

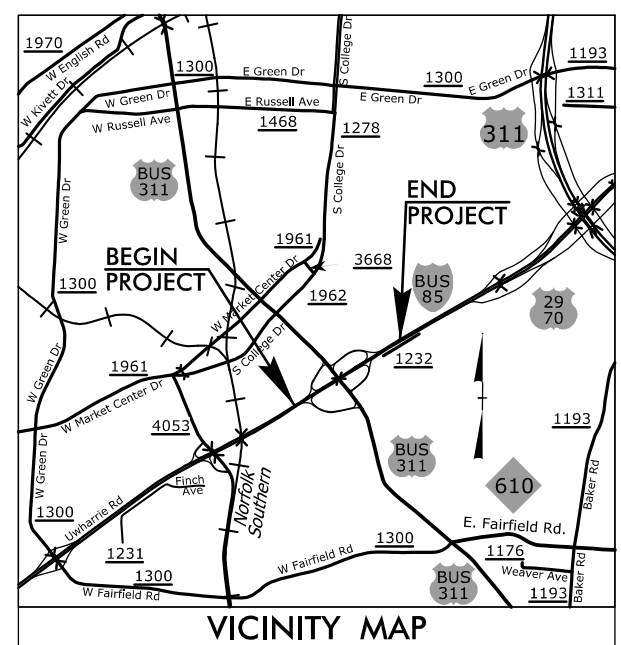


-  DENOTES TEMPORARY IMPACTS IN SURFACE WATER
-  DENOTES IMPACTS IN SURFACE WATER

8/17/99
SYSTEMS ENGINEERING

09/28/19

TIP PROJECT: U-5896



25% PLANS

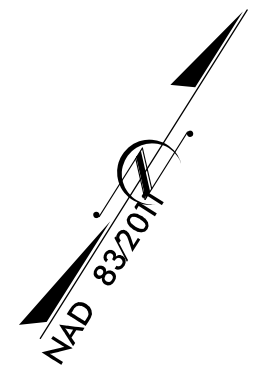
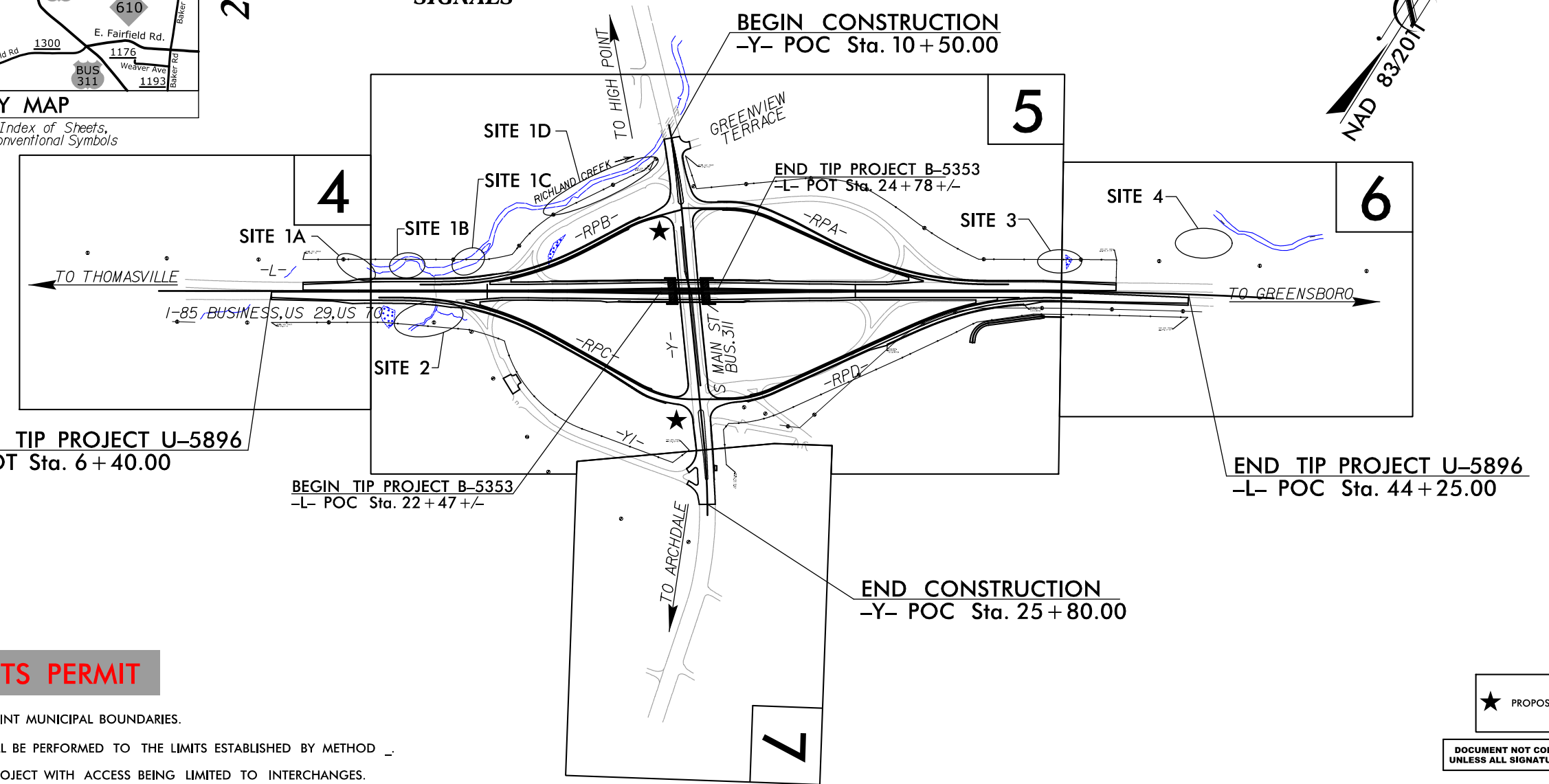
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
GUILFORD COUNTY

BUFFER DRAWING SHEET 1 OF 5

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-5896	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
44674.1.2	NHP-0029(068)	PE(U-5896)	

LOCATION: INTERCHANGE AT US 29, US 70 AND S MAIN STREET (SR 1009 & US 311 BUSINESS), NEAR HIGH POINT

TYPE OF WORK: GRADING, PAVING, DRAINAGE, STRUCTURE, SIGNALS



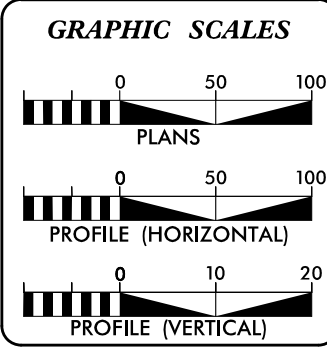
BUFFER IMPACTS PERMIT

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THIS IS A CONTROLLED-ACCESS PROJECT WITH ACCESS BEING LIMITED TO INTERCHANGES.



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

CONTRACT:



DESIGN DATA

ADT 2020 =	38,070
ADT 2040 =	42,700
K =	10 %
D =	60 %
T =	9 % *
V =	60 MPH
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LENGTH OF STRUCTURE TIP PROJECT B-5353	=	0.034	MI
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PLANS PREPARED FOR THE NCDOT BY:

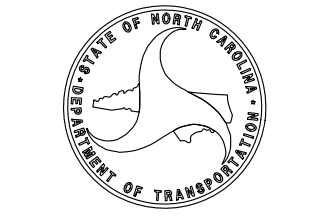
M MOTT MACDONALD 2018 STANDARD SPECIFICATIONS	PO Box 700 Fuquay-Varina, NC 27526 (919) 552-2253 (919) 552-2254 (Fax) www.mottmac.com/americas LICENSE NO. F-0669	vhb VHB Engineering NC, P.C. (C-3705) 940 Nolan Campus Drive, Suite 500 Raleigh, NC 27606
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HYDRAULICS ENGINEER

SIGNATURE: _____ P.E.

ROADWAY DESIGN ENGINEER


SIGNATURE: _____ P.E.

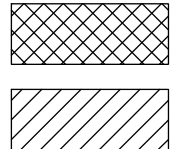
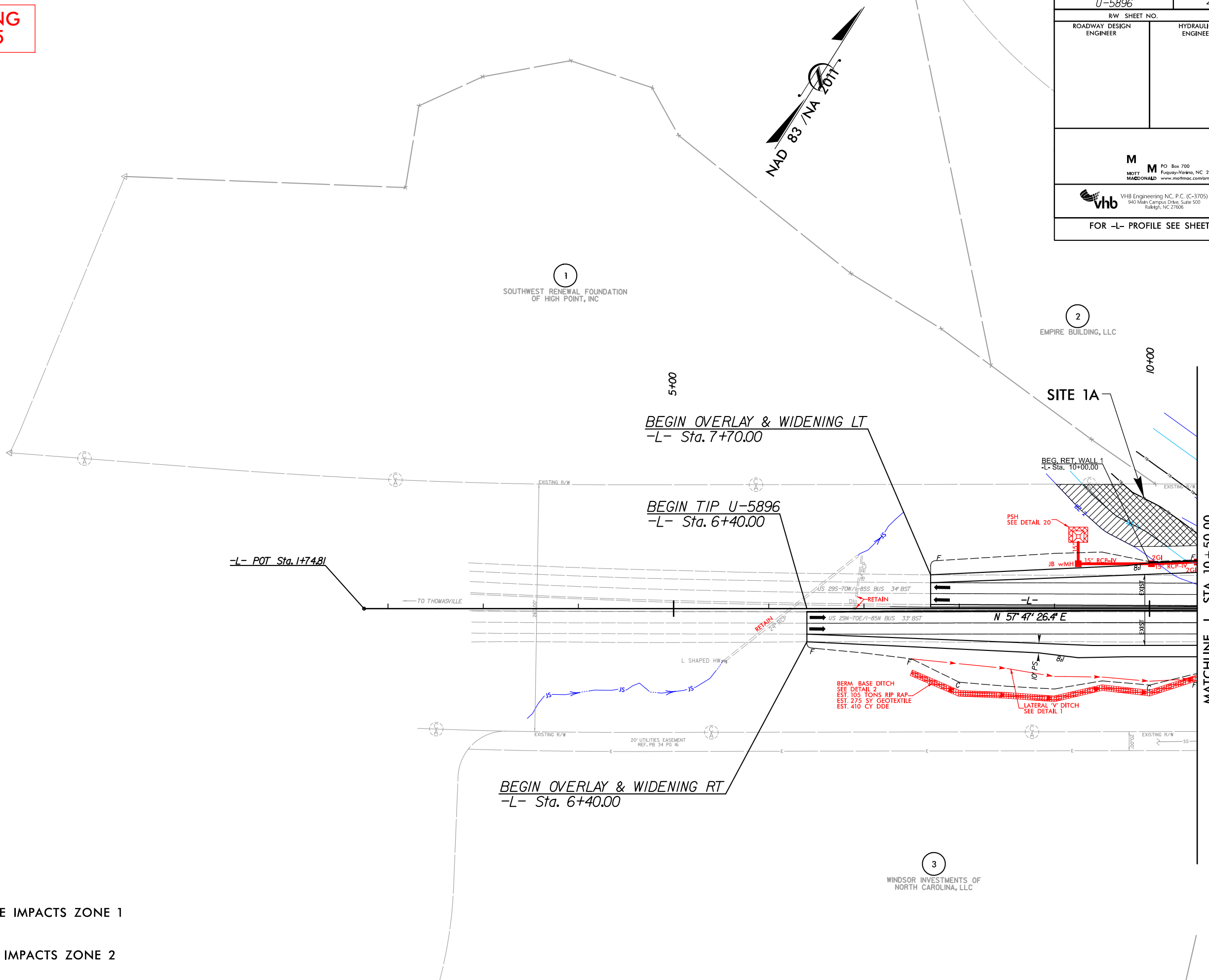


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**BUFFER DRAWING
SHEET 2 OF 5**

PROJECT REFERENCE NO. <i>U-5896</i>		SHEET NO. <i>4</i>
R/W SHEET NO.		
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER	
M MOTT MACDONALD PO Box 700 Fuquay-Varina, NC 27526 www.mottmac.com/americas		
 VHB Engineering, NC, P.C. (C-3705) 940 Main Campus Drive, Suite 500 Raleigh, NC 27606		
FOR -L- PROFILE SEE SHEET 8		




MITIGABLE IMPACTS ZONE 1

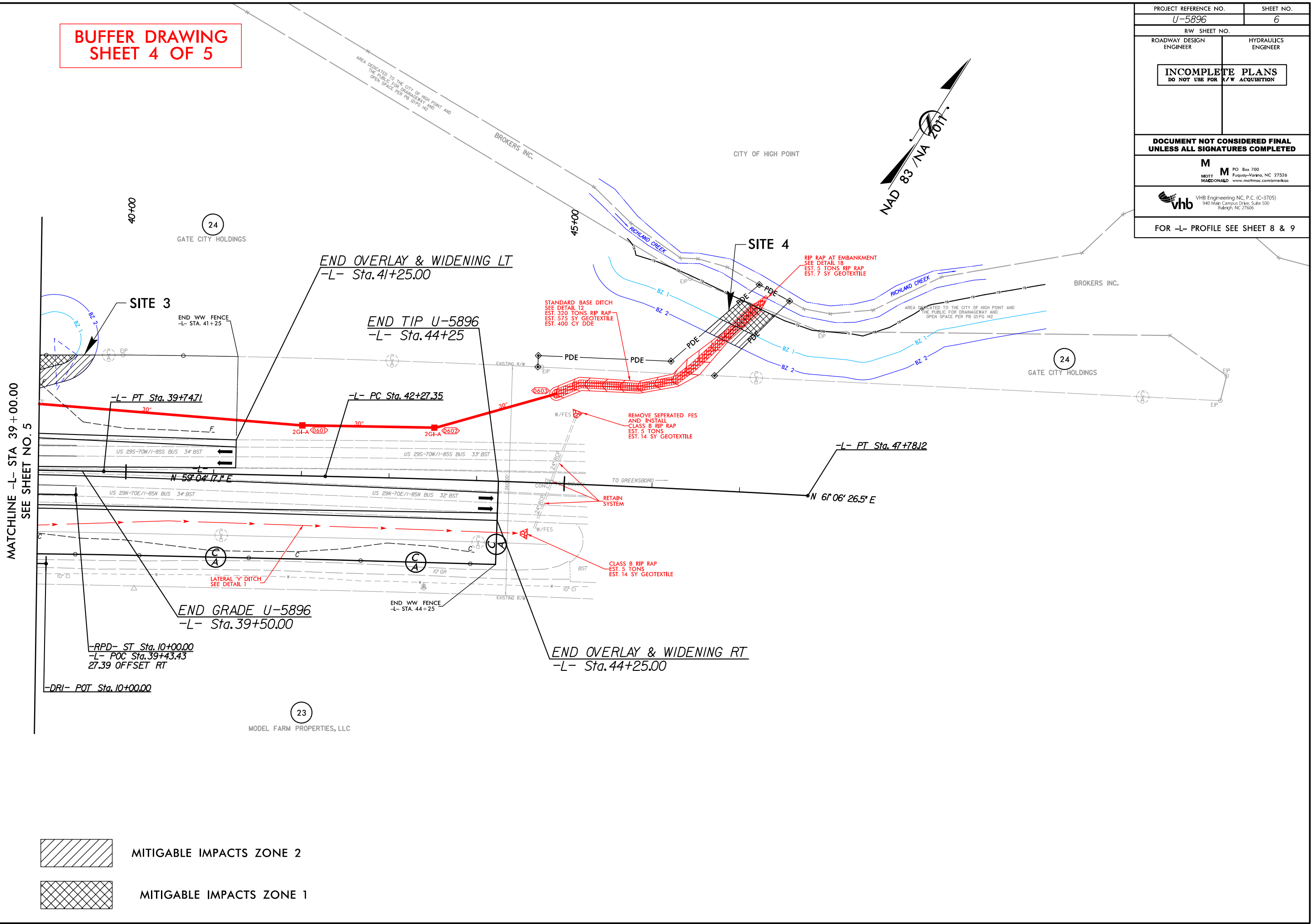
MITIGABLE IMPACTS ZONE 2

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BUFFER DRAWING SHEET 4 OF 5

PROJECT REFERENCE NO. U-5896		SHEET NO. 6	
R/W SHEET NO.			
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER		
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION			
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
M MOTT MACDONALD			
PO Box 700 Fuquay-Varina, NC 27526 www.mottmac.com/americas			
 VHB Engineering NC, P.C. (C-3705) 940 Main Campus Drive, Suite 500 Raleigh, NC 27606			
FOR -L- PROFILE SEE SHEET 8 & 9			



MATCHLINE -L- STA 39+00.00
SEE SHEET NO. 5

-  MITIGABLE IMPACTS ZONE 2
-  MITIGABLE IMPACTS ZONE 1

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18-03-0003



HISTORIC ARCHITECTURE AND LANDSCAPES NO HISTORIC PROPERTIES PRESENT OR AFFECTED FORM

This form only pertains to Historic Architecture and Landscapes for this project. It is not valid for Archaeological Resources. You must consult separately with the Archaeology Group.

PROJECT INFORMATION

Project No:	U-5896	County:	Guilford
WBS No.:	44674.1.1	Document Type:	CE
Fed. Aid No:	NSP-0029(068)	Funding:	<input type="checkbox"/> State <input checked="" type="checkbox"/> Federal
Federal Permit(s):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Permit Type(s):	
<u>Project Description:</u> Reconstruct interchange at US 29/US 70/Business 85 and SR 1009 (Main St) in High Point			

SUMMARY OF HISTORIC ARCHITECTURE AND LANDSCAPES REVIEW

- There are no National Register-listed or Study Listed properties within the project's area of potential effects.
- There are no properties less than fifty years old which are considered to meet Criteria Consideration G within the project's area of potential effects.
- There are no properties within the project's area of potential effects.
- There are properties over fifty years old within the area of potential effects, but they do not meet the criteria for listing on the National Register.
- There are no historic properties present or affected by this project. (Attach any notes or documents as needed.)

Date of field visit: June 2018

Description of review activities, results, and conclusions:

Review of HPO quad maps, relevant background reports, historic designations roster, and indexes was undertaken on March 28, 2018. There are no NR, DE, SL, LL or SS properties in the study area. One church and fellowship hall in the APE was evaluated for National Register eligibility and recommend not eligible. In a letter dated January 28, 2019, HPO concurred with that recommendation. No historic properties will be affected by this project.

SUPPORT DOCUMENTATION

Map(s) Previous Survey Info. Photos Correspondence Design Plans

FINDING BY NCDOT ARCHITECTURAL HISTORIAN

Historic Architecture and Landscapes – **NO HISTORIC PROPERTIES PRESENT OR AFFECTED**

Shelby Reap

NCDOT Architectural Historian

Jan 28 2019

Date



North Carolina Department of Natural and Cultural Resources
State Historic Preservation Office

Ramona M. Bartos, Administrator

Governor Roy Cooper
Secretary Susi H. Hamilton

Office of Archives and History
Deputy Secretary Kevin Cherry

January 28, 2019

MEMORANDUM

TO: Shelby Reap
Office of Human Environment
NCDOT Division of Highways

FROM: Renee Gledhill-Earley *Renee Gledhill-Earley*
Environmental Review Coordinator

SUBJECT: Additional Information, Historic Structures Survey Report, Interchange Reconstruction at US 29/US 70/Business 85 and SR 1009, High Point, PA 18-03-0003, U-5896, Guilford County, ER 18-3050

Thank you for your January 7, 2019, email transmitting the additional information we requested to complete our review of the above-referenced report. Based on the information provided, we concur that First Pentecostal Holiness Church of High Point and Fellowship Hall (GF8984) is not eligible for listing in the National Register. When compared to other local Colonial Revival-style churches, it is clear that this church is one of several in High Point exhibiting the style and does not stand out as one of the best representations.

The above comments are made pursuant to Section 106 of the National Historic Preservation Act and the Advisory Council on Historic Preservation's Regulations for Compliance with Section 106 codified at 36 CFR Part 800.

Thank you for your cooperation and consideration. If you have questions concerning the above comment, contact Renee Gledhill-Earley, environmental review coordinator, at 919-814-6579 or environmental.review@ncdcr.gov. In all future communication concerning this project, please cite the above referenced tracking number.

cc: Mary Pope Furr, NCDOT, mfurr@ncdot.gov

18-03-0003**NO ARCHAEOLOGICAL SURVEY REQUIRED FORM**

This form only pertains to ARCHAEOLOGICAL RESOURCES for this project. It is not valid for Historic Architecture and Landscapes. You must consult separately with the Historic Architecture and Landscapes Group.

**PROJECT INFORMATION**

Project No: **U-5896** *County:* **Guilford**
WBS No: **44674.1.1** *Document:* **Federal CE**
F.A. No: **NHP-0029(068)** *Funding:* State Federal

Federal Permit Required? Yes No *Permit Type:* **USACE (not specified)**

Project Description: NCDOT's Division 7 proposes to reconstruct the interchange at US 29/US 70/Business 85 with SR 1009 (South Main Street) in High Point, Guilford County. This project has been combined with the replacement of Bridge No. 147 on US 29/US 70/Business 85 over SR 1009 (South Main Street) (TIP# B-5353 [PA 15-09-0015]). The existing cross-section for Business 85 consists of a 4-lane divided facility whereas the existing cross-section for South Main Street consists of a 5-lane facility. Existing ROW along the interstate corridor is 150 feet whereas along South Main Street the existing ROW is about 100 feet. Project length is listed as about 1.00 mile. Since Preliminary Design Plans have not been developed yet, a Study Area for the project has been generated in order to facilitate environmental planning purposes at this stage. The Study Area will be centered around the interchange location and encompass about 151 acres, inclusive of the existing roadways and any modern development.

SUMMARY OF CULTURAL RESOURCES REVIEW***Brief description of review activities, results of review, and conclusions:***

This project was accepted on Thursday, March 8, 2018. A map review and site file search was conducted at the Office of State Archaeology (OSA) on Friday, March 9, 2018. A comprehensive archaeological survey has never been conducted around this particular interchange location, and no archaeological sites have been recorded within one (1) mile of the proposed project. Digital copies of HPO's maps (High Point East and High Point West Quadrangles) as well as the HPOWEB GIS Service (<http://gis.ncdcr.gov/hpweb/>) were last reviewed on Tuesday, March 13, 2018. There are no known historic architectural resources located within or adjacent to the Study Area for which intact archaeological deposits would be anticipated within the footprint of the proposed project. In addition, topographic maps, historic maps (NCMaps website), USDA soil survey maps, and aerial photographs were utilized and inspected to gauge environmental factors that may have contributed to historic or prehistoric settlement within the project limits, and to assess the level of modern, slope, agricultural, hydrological, and other erosive-type disturbances within and surrounding the Study Area.

Brief Explanation of why the available information provides a reliable basis for reasonably predicting that there are no unidentified historic properties in the APE:

This is a Federally funded project for which a Federal permit may be necessary. Permanent/temporary easements will not be necessary; however, the need for additional ROW was not conveyed as part of the submittal. The size and shape of the Study Area have been drawn in a way to capture any possible impacts beyond the NCDOT's existing ROW along US 29/US 70/Business 85 and SR 1009 (South Main

18-03-0003

Street). At this time, we are in compliance with NC GS 121-12a, since there are no eligible (i.e. National Register-listed) archaeological resources located within the project's Study Area that would require our attention. Based on the description of the proposed project, activities may take place beyond the NCDOT's existing ROW. From an environmental perspective, the Study Area falls within a highly developed interchange location along the interstate system in the Piedmont physiographic region of North Carolina. The Study Area consists of several soil types, all of which have been heavily disturbed by modern development or succumbed to erosion (Mecklenburg-Urban land complex, 2-10% slopes [MuB], Mecklenburg sandy clay loam, 2-6% slopes, eroded [MhB2], and Mecklenburg sandy clay loam, 6-10% slopes, eroded [MhC2]). Based on the poor soil conditions and the level of development, the preservation of intact archaeological resources would not be anticipated. The Office of State Archaeology (OSA) has reviewed various projects within the vicinity of the Study Area for environmental compliance, including residential development (ERs 94-0261, 99-8874, and 98-7811), transportation improvements (ERs 08-2555, 95-7472, 12-2152, and 03-2905), commercial/industrial development (ERs 94-8091 and 06-1031), a recreational project (CH 06-2618), utility upgrades (ER 09-0680), and a cell tower (CT 02-0319). Stating a low probability for intact and significant archaeological sites to be present, OSA did not require an archaeological survey for any of these projects. Within five (5) miles of the Study Area, NCDOT's Archaeology Group has reviewed at least nine (9) transportation-related projects for environmental compliance under the Programmatic Agreement (PA) with the State Historic Preservation Office (NC-HPO), two of which are located within one (1) mile of the proposed project. In fact, a portion of the current Study Area was reviewed and cleared as part of PA 15-09-0015. Only two (2) of these projects required an archaeological survey (TIP# U-5864 [PA 17-04-0031] and TIP# U-5770 [PA 16-08-0014]), based on the presence of intact pockets of undeveloped land and buffers adjacent to steams/rivers. As a result of those surveys, no archaeological sites were documented. Given the poor soil conditions and developed nature within the Study Area and the results of previously reviewed/ surveyed projects in the vicinity, there is a low probability for significant prehistoric and/or historic archaeological materials to be present. Therefore, it is believed that the current Study Area, as depicted, is unlikely to contain intact and significant archaeological resources. No archaeological survey is required for this project. If design plans change or are made available prior to construction, then additional consultation regarding archaeology will be required. At this time, no further archaeological work is recommended. If archaeological materials are uncovered during project activities, then such resources will be dealt with according to the procedures set forth for "unanticipated discoveries," to include notification of NCDOT's Archaeology Group.

SUPPORT DOCUMENTATION

See attached: Map(s) Previous Survey Info Photos Correspondence
 Photocopy of County Survey Notes Other:

FINDING BY NCDOT ARCHAEOLOGIST**NO ARCHAEOLOGY SURVEY REQUIRED**


 NCDOT ARCHAEOLOGIST

March 13, 2018

Date

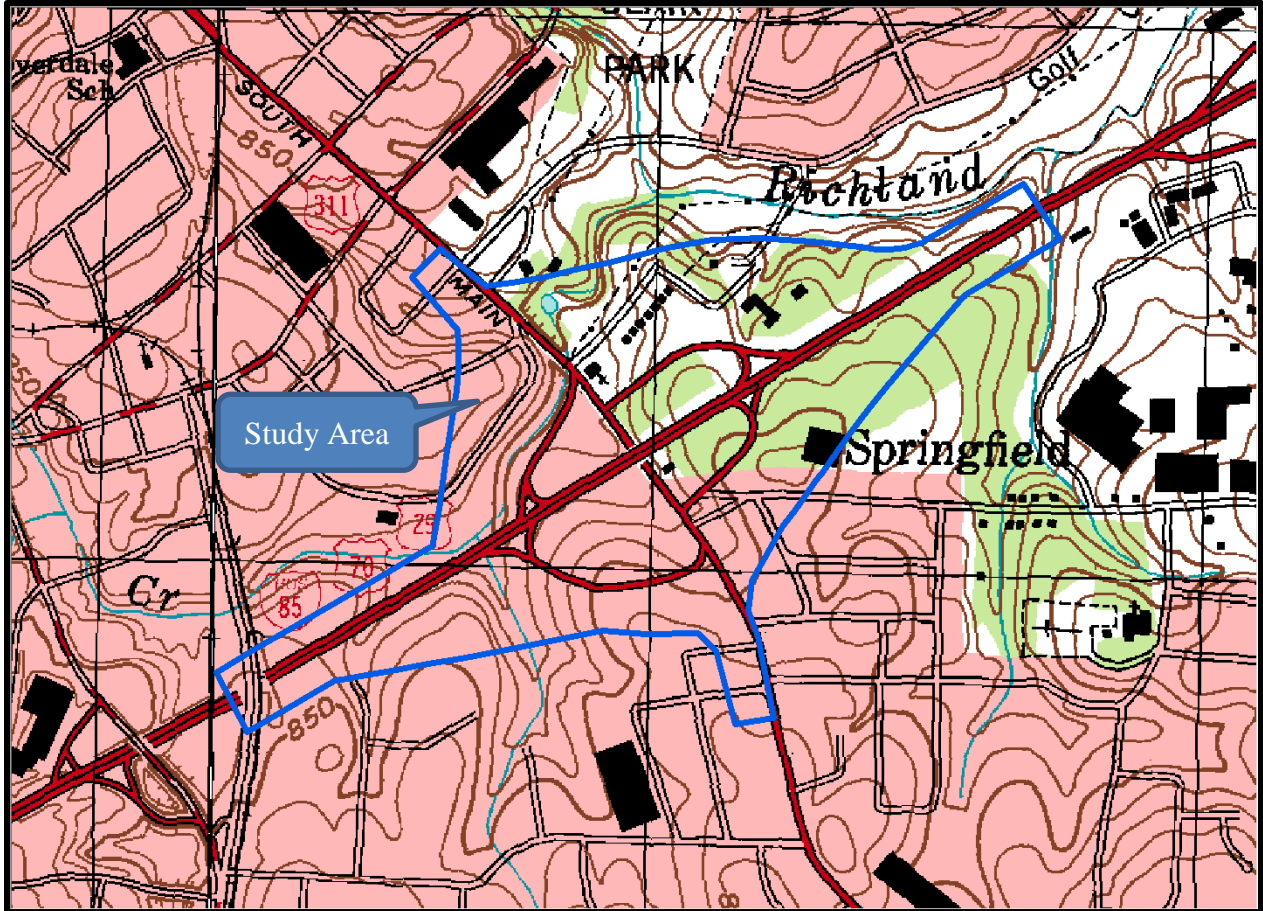
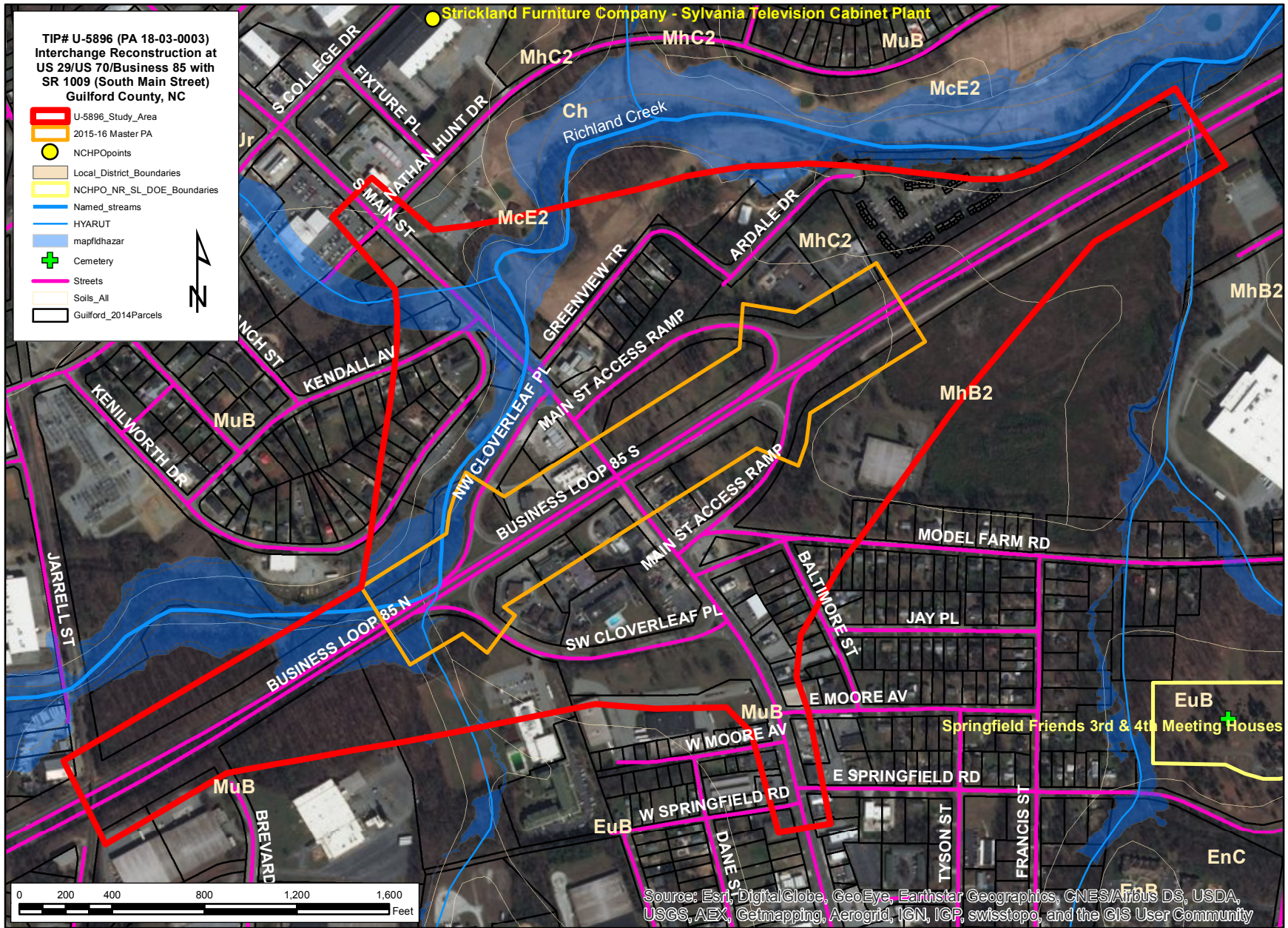


Figure 1: High Point West, NC (USGS 1969 [PR87]) and High Point East, NC (USGS 1950 [PR82]).



[External] RE: U-5896/B-5353 Tribal Coordination Letter

Bailey, David E CIV USARMY CESAW (USA) <David.E.Bailey2@usace.army.mil>

Fri 9/24/2021 12:05 PM

To: Turchy, Michael A <maturchy@ncdot.gov>

Got it, Michael. Thanks! Hope you're doing well.

-Dave Bailey

David E. Bailey, PWS
Regulatory Project Manager
US Army Corps of Engineers
CE-SAW-RG-R
3331 Heritage Trade Drive, Suite 105
Wake Forest, North Carolina 27587
Office: (919) 554-4884, Ext. 30.
Mobile: (919) 817-2436
Fax: (919) 562-0421
Email: David.E.Bailey2@usace.army.mil

We would appreciate your feedback on how we are performing our duties. Our automated Customer Service Survey is located at: <https://regulatory.ops.usace.army.mil/customer-service-survey/>
Thank you for taking the time to visit this site and complete the survey.

From: Turchy, Michael A <maturchy@ncdot.gov>
Sent: Thursday, September 23, 2021 4:09 PM
To: Wilkerson, Matt T <mtwilkerson@ncdot.gov>; Bailey, David E CIV USARMY CESAW (USA) <David.E.Bailey2@usace.army.mil>
Cc: Hemphill, Jeffrey L <jhemphill@ncdot.gov>
Subject: [Non-DoD Source] U-5896/B-5353 Tribal Coordination Letter

Dave and Matt-

As we were working on the permit application for this project, we noted that the Catawba Indian Nation was not notified during project planning, most likely because our Tribal Coordination Protocols predated the planning activities for this project.

Therefore, we distributed a tribal coordination letter to the Catawba today. Pursuant to the protocol, attached is your "cc" of this letter and evidence of distribution.

We'll forward a response when it is received.

Thanks,
Michael



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RALEIGH NC 27610-4328

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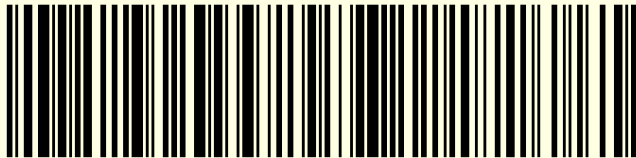
0004

R003

SHIP

TO: WENONAH HAIRE
CATAWBA INDIAN NATION-TRIBAL HISTORIC
1536 TOM STEVEN RD
ROCK HILL SC 29730-9535

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September 25, 2021 at 12:13 pm
ROCK HILL, SC 29730



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

J. ERIC BOYETTE
SECRETARY

September 23, 2021

Dr. Wenonah Haire
Catawba Indian Nation
Tribal Historic Preservation Office
1536 Tom Steven Road
Rock Hill, SC 29730

Dear Dr. Haire,

The North Carolina Department of Transportation is developing the engineering studies for the reconstruction of the US 29/70/I-85 Business and South Main Street (SR 1009) interchange in High Point, Guilford County as project U-5896 and B-5353. A project vicinity map and archaeological survey report is attached.

The coordinates of this project are approximately 35.934934, -79.991584.


We would appreciate any information you might have that would be helpful in evaluating potential environmental impacts of the project.

In accordance with Section 106 of the NHPA, we also request that you inform us of any historic properties of traditional religious or cultural importance that you are aware of that may be affected by the proposed project. Be assured that, in accordance with confidentiality and disclosure stipulations in Section 304 of the NHPA, we will maintain strict confidentiality about certain types of information regarding historic properties.

Please respond by October 29th so that your comments can be used in the evaluation of this project. If you have any questions concerning this project, or would like any additional information, please contact me at maturchy@ncdot.gov or (919) 707-6157.

Sincerely,

A handwritten signature in black ink that reads "Michael" followed by a stylized flourish.

 Philip S. Harris III, P.E., C.P.M.
Environmental Analysis Unit Head

ec:

Matt Wilkerson, NCDOT Archaeology Team Leader
David Bailey, USACE Project Manager

18-03-0003**NO ARCHAEOLOGICAL SURVEY REQUIRED FORM**

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SUPPORT DOCUMENTATION

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 Photocopy of County Survey Notes Other:

FINDING BY NCDOT ARCHAEOLOGIST**NO ARCHAEOLOGY SURVEY REQUIRED**



 NCDOT ARCHAEOLOGIST

March 13, 2018

Date

18-03-0003

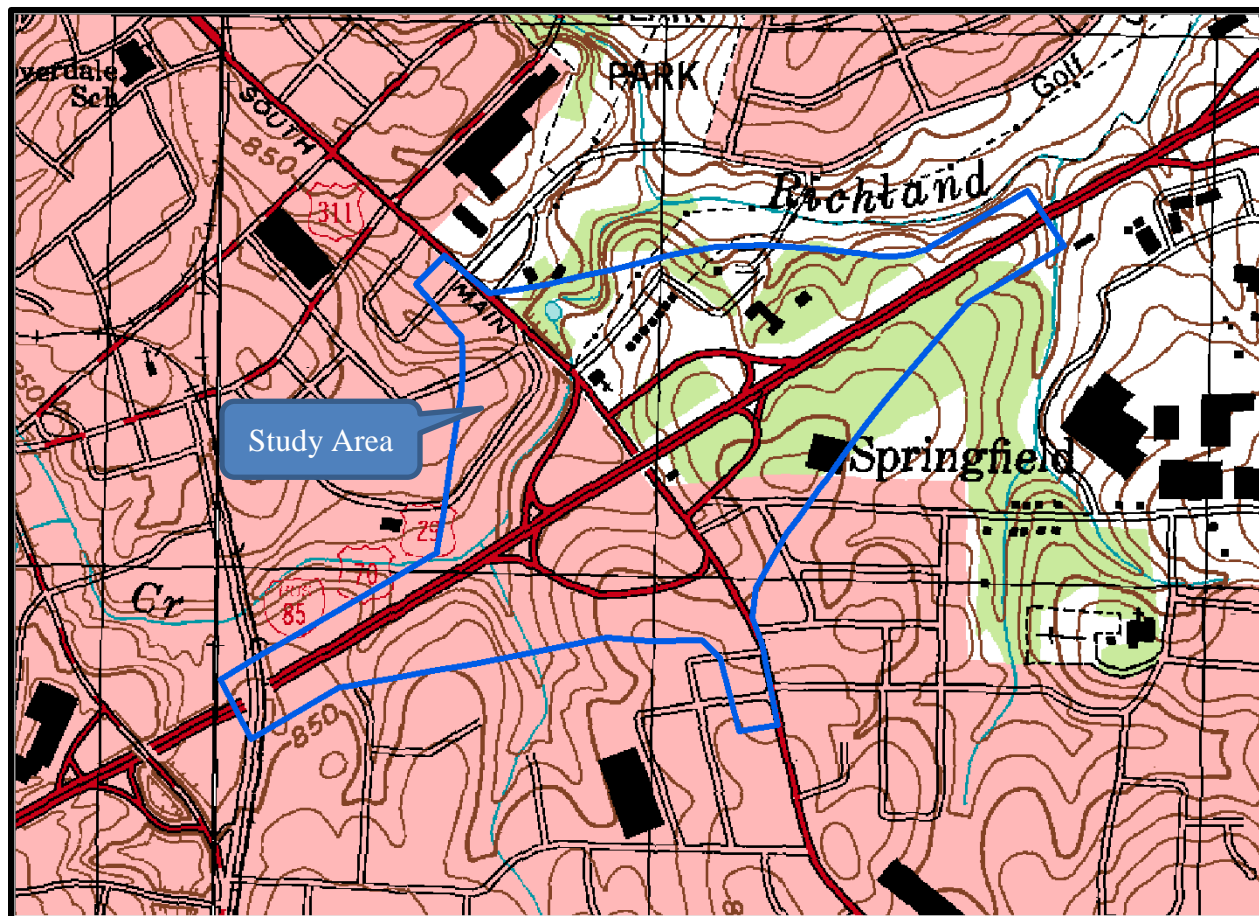


Figure 1: High Point West, NC (USGS 1969 [PR87]) and High Point East, NC (USGS 1950 [PR82]).

