

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

ROY COOPER GOVERNOR JAMES H.TROGDON, III SECRETARY

September 16, 2019

U. S. Army Corps of Engineers 151 Patton Avenue, Room 208 Asheville, NC 28801-5006

ATTN: Ms. Nicholle Braspennickx NCDOT Coordinator

Subject: Application for Section 404 Nationwide Permit 14 and Section 401 Water Quality Certification for the Proposed Interstate Access Addition to I-485 at Weddington Road (SR 3468), Mecklenburg County, Division 10, STIP No. R-0211EC, Debit \$570.00 from WBS 43609.3.2.

Dear Madam:

The North Carolina Department of Transportation (NCDOT) proposes to construct a half-clover interchange with ramps and loops in the northeast and southeast quadrants for the interchange at I-485 and Weddington Road (SR 3468) in Mecklenburg County. Bike lanes and a sidewalk are also included and improvements will be made to the Weddington Road and McKee Road intersection.

As a result of the interstate access addition at Weddington Road, there will be 59 linear feet of stream bank stabilization, 66 linear feet of permanent stream impacts, and <0.01 acre of temporary stream impacts.

Please see enclosed copies of the Pre-Construction Notification (PCN), Division of Mitigation Services (DMS) mitigation acceptance letter, Stormwater Management Plan (SMP), permit drawings, roadway plan sheets, northern long-eared bat memo, State Historic Preservation Office (SHPO) concurrence form, and a letter recommending no archaeological survey. An Environmental Assessment (EA) was completed in May 2007 and a Finding of No Significant Impact (FONSI) was completed in February 2009 and distributed shortly thereafter. Additional copies are available upon request.

A copy of this permit application and its distribution list will be posted on the NCDOT Website at: <u>http://connect.ncdot.gov/resources/Environmental</u>. If you have any questions or need additional information, please call Erin Cheely at (919) 707-6108.

Sincerely,

Nichael The

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

Cc: NCDOT Permit Application Standard Distribution List

Mailing Address: NC DEPARTMENT OF TRANSPORTATION ENVIRONMENTAL ANALYSIS UNIT 1598 MAIL SERVICE CENTER RALEIGH NC 27699-1598 Telephone: (919) 707-6000 Fax: (919) 250-4224 Customer Service: 1-877-368-4968 *Location:* 1000 BIRCH RIDGE DRIVE RALEIGH NC 27610

Website: www.ncdot.gov



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:*

Mecklenburg

Is this project a public transportation project?*

⊙ Yes O 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: R-0211EC

WBS #*

43609.3.2 (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:	14 - Linear transportation	
NWP Numbers (for multiple NWPS):		
List all NW numbers you are applying for not on the drop dow n 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 Individual Permit 		☐ Riparian Buffer Authorization
1e. Is this notification solely for the record because	written approval is not required?	
		*
For the record only for DWR 401 Certification:		C Yes ☉ No
For the record only for Corps Permit:		C 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 frommitigation bank or in-lieu fee program

 © Yes
 ○ No

 Acceptance Letter Attachment

 Oick the upbad button or drag and drop files here to attach document
 80.22KB

 R-0211EC DMS Acceptance 2019.pdf
 80.22KB

 FLETYFEMUST BEFDF
 80.22KB

 1h. Is the project located in any of NC's twenty coastal counties?*
 No

 O Yes
 © No

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

 O Yes © No
 Yes

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?*

North Carolina Department of Transportation, Erin Cheely

1b. Primary Contact Email:* ekcheely@ncdot.gov

1d. Who is applying for the permit?*

Owner (Check all that apply)

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

⊙Yes ⊙No

2. Owner Information

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

2b. Deed book and page no.:

2c. Responsible party:

(for Corporations)

2d. Address*

Street Address 1598 Mail Service Center

Address Line 2 City

Raleigh Postal / Zip Code

27699

2e. Telephone Number:*

(xxx)xxx-xxxx (919)707-6000

2f. Fax Number: (919)250-4224 (xxx)xxx-xxxx

2g. Email Address:*

pharris@ncdot.gov

C. Project Information and Prior Project History

1. Project Information

1a. Name of project:*

R-0211EC, Interstate Access Addition to I-485 at Weddington Road (SR 3468)

1b. Subdivision name:

(if appropriate)

1c. Nearest municipality / town:*

Charlotte/Matthews

1c. Primary Contact Phone:* (xxx)xxx-xxxx (919)707-6108

Applicant (other than owner)

State / Province / Region NC Country USA

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2. Project Identification

2a. Property Identification Number:

(tax FIN or parcel ID)	(in acres)
not applicable	80.1
2c. Project Address	
Street Address	
Address Line 2	
City	State / Province / Region
Charlotte/Matthews	NC
Postal / Zip Code	Country
	USA

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.)

2b. Property size:

Latitude:*	Longitude:*
35.089500	-80.730048
ex: 34.208504	-77.796371

3. Surface Waters

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

Fourmile Creek, Sixmile Creek

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

С

Surface Water Lookup

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

Catawba

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

030501030105

River Basin Lookup

4. Project Description and History

4a. Describe the existing conditions on the site and the general land use in the vicinity of the project at the time of this application:*

The project area includes the existing I-485 and Weddington Road right-of-way, including paved roadway, maintained shoulder, and adjacent forested areas. Land use in the project vicinity consists primarily of residential and commercial development, interspersed with forestland within undeveloped parcels.

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

Silon are apload button or drag and drop tiles here to a

File type must be pdf

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

N/A

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

(intermittent and perennial)

371

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

The purpose of the project is to improve access to I-485 from Weddington Road and surrounding communities in Weddington, Matthews, and Charlotte city limits. Currently, Weddington Road is not directly accessible from I-485. The proposed interchange, located between the John Street and NC 16 (Providence Road) interchanges, will provide a closer and improved route from the project area to I-485.

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

The project is located in southeastern Mecklenburg County within City of Charlotte and the town of Matthews and will provide direct access to I-485 for the predominantly residential neighborhoods in the vicinity of the project area.

The project consists of constructing a half-clover interchange with ramps and loops in the northeast and southeast quadrants. This interchange will provide 16-foot wide ramps and 18foot wide loops. Weddington Road will be widened within the project area to 73-feet from face-of-curb to face-of-curb, and will have five travel lanes and bike lanes. A 6-foot wide sidewalk will be provided on the west side and a 10-foot wide sidewalk will be provided on the east side of Weddington Road, including the bridge over I-485. Left turn lanes will be provided on Weddington Road at the ramp and loop intersections. Improvements will be made to the Weddington Road and McKee Road intersection. Impacts to jurisdictional resources will result from culvert extensions (one 6' x 6' reinforced concrete box culvert and one 72'' reinforced concrete pipe) at the proposed interchange ramps and related outfall protection and stream bank stabilization.

An existing sewer line is located within the existing 6' x 6' reinforced concrete box culvert (RCBC). A sewer line extension will be conducted by the City of Charlotte and will be located within the footprint of the culvert extension and bank stabilization at the outlet end of the culvert.

Standard road building equipment, such as loaders, compactors, excavators, dozers, and pavers will be used.

4j. Please upload project drawings f	or the proposed project.		
Click the upload button or drag and drop files here	to attach document		
R-0211EC Permit Drawings.pdf		6.25MB	
R-0211EC Roadway Plans.pdf		17.92MB	
File type must be pdf			
5. Jurisdictional Determin	nations		
5a. Have the wetlands or streams be	een delineated on the property or proposed im	pact areas?*	
Yes	○ No	C Unknown	
Comments:			
5b. If the Corps made a jurisdictiona	al determination, what type of determination wa	s made?*	
Preliminary C Approved C Not Ver	ified C Unknown C NA		
Corps AID Number:			
Example: SAW-2017-99999			
SAW-2013-02330			
5c. If 5a is yes, who delineated the ju	urisdictional areas?		
Name (if known):			
Agency/Consultant Company:	Environmental Services, Inc., RK&K, and NC	TOD	
Other:			
5d. List the dates of the Corp jurisdi	ction determination or State determination if a	determination was made by the Corps or DWR.	
/25/2015 (AJD), 7/1/2019 (PJD) Both of	these determinations were for TIP I-5507, but cover	R-0211EC resources in their entirety.	
5d1. Jurisdictional determination up	load		
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	© No		
		intended to be used, to authorize any part of the proposed project or related activity? This then 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):
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WetlandsOpen Waters

Streams-tributaries
Pond Construction

Buffers

3. Stream Impacts

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

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

	3a. Reason for impact * (?)	3b.Impact type *	3c. Type of impact *	3d. S. name *	3e. Stream Type * (?)	3f. Type of Jurisdiction *	3g. S. width [*]	3h. Impact length *
S1	Site 1 - Extend 6'x6' RCBC	Permanent	Culvert	SBF	Perennial	Both	6 Average (feet)	16 (linear feet)

S2	Site 1 - Rip Rap Fill	Permanent	Rip Rap Fill	SBF	Perennial	Both	6 Average (feet)	34 (linear feet)
S3	Site 1 - Rip Rap Fill	Temporary	Rip Rap Fill	SBF	Perennial	Both	6 Average (feet)	19 (linear feet)
S4	Site 1 - Bank Stabilization	Permanent	Bank Stabilization	SBF	Perennial	Both	6 Average (feet)	6 (linear feet)
S5	Site 1 - Bank Stabilization	Temporary	Bank Stabilization	SBF	Perennial	Both	6 Average (feet)	20 (linear feet)
S6	Site 2 - Extend 72" RCP	Permanent	Culvert	SBE	Perennial	Both	5 Average (feet)	16 (linear feet)
S7	Site 2 - Bank Stabilization	Permanent	Bank Stabilization	SBE	Perennial	Both	5 Average (feet)	53 (linear feet)
S8	Site 2 - Bank Stabilization	Temporary	Bank Stabilization	SBE	Perennial	Both	5 Average (feet)	27 (linear feet)

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

3i. Total jurisdictional ditch impact in square feet:

0

3i. Total permanent stream impacts:

125

3i. Total temporary stream impacts:

3i. Total stream and ditch impacts:

191

3j. Comments:

At Sites 1 and 2, the existing culvert is not buried, therefore the culvert extension will not be buried. The bottom elevation of the extended culvert will match the elevation of the existing stream bed. At Site 2, <0.01 (26 lf) of temporary impacts due to construction activities are included within the bank stabilization impacts.

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 final project design avoids and minimizes impacts to streams to the greatest extent practicable. Due to the location of the interchange ramps to be constructed, impacts to streams were unavoidable. Headwalls and wingwalls have been included in the design to shorten fill slopes and reduce stream impact length, protect the ends of the pipe, and guard against erosion. 2:1 slopes will be utilized at each stream crossing to minimize impacts. A preformed scour hole at Station -L- 790+50 LT and dry detention basin at Station Y5LPD- 20+00 RT are included in the design.

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

NCDOT's Best Management Practices (BMPs) for Construction and Maintenance Activities and Protection of Surface Waters will be adhered to. Erosion control devices such as silt fence, rock inlet sediment traps, slope drains, clean water diversions, and silt bags will also be utilized to minimize water quality impacts. Installation of the culvert extensions will be conducted utilizing pump around techniques to dewater the work zone. The pump around at stream crossings will utilize temporary dams, pumps, and stilling basins to divert the channel baseflow around the work area rather than installing a temporary pipe and diversion channel. By using this method, grading in the stream channel will be less intensive and will result in less stream impacts. In locations where temporary construction activities will take place in the stream, the stream bed will be restored to pre-construction contours.

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	C No
2c. If yes, mitigation is required by (check al	I that apply):
DWR	Corps
2d. If yes, which mitigation option(s) will be u	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)

66

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.

4f. Non-riparian wetland mitigation requested: (acres)

4e. Riparian wetland mitigation requested: (acres)4g. Coastal (tidal) wetland mitigation requested:

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4h. Comments

No mitigation is required for the stream bank stabilization or temporary impacts as these impacts do not constitute a loss of waters of the U.S.

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?

C Yes	No

For a list of options to meet the diffuse flow requirements, click here.

If no, explain why:

The water resources within the project area are not in any buffered basins and not on the main stem of the Catawba River.

2. Stormwater Management Plan

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

• Yes • No

Comments:

BMPs that will be used include a dry detention basin, the promotion of sheet flow and infiltration with grassed shoulders except were shoulder berm gutter is required, drainage systems outlet to riprap pads or riprap lined ditches, and riprap on embankments to prevent erosion where ditches enter streams.

The stormwater management plan "R-0211EC_HYD_SMP" is attached at the end of the ePCN.

O No

O No

O No

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? $^{m \star}$

© 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)?*

Yes

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

Oick the upload button or drag and drop files here to attach document FILE TYPE MUST BEPDF

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)?*

O Yes

• Yes

No
 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?*

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

The areas where development can still occur are minimal therefore this project will have little influence on additional development. The areas that will be directly impacted are mostly built out. It appears that growth in this area has preceded the proposed project. These areas are directly influenced by the zoning the local municipalities have in place. Any additional development in the area would be required to adhere to local stormwater rules.

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 ar	ea with federally protected species or habitat? *	
Yes	C No	
5b. Have you checked with the USFWS co	ncerning Endangered Species Act impacts?*	
⊙ Yes	C No	
5c. If yes, indicate the USFWS Field Office Asheville	you have contacted.	
5d. Is another Federal agency involved?*	:	
O Yes	• No	O Unknown
5e. Is this a DOT project located within Div C Yes © No	rision's 1-8? *	
5f. Will you cut any trees in order to conde ⊙ Yes ⊜ No	uct the work in waters of the U.S.?*	
5g. Does this project involve bridge main ☉ Yes ⓒ No	tenance or removal?*	
Link to the NLEB SLOPES document: http://saw-	reg.usace.army.mil/NLEB/1-30-17-signed_NLEB-SLOPES&	apps.pdf
5h. Does this project involve the construe	:tion/installation of a wind turbine(s)?**	
5i. Does this project involve (1) blasting, a ⊙ Yes ○ No	und/or (2) other percussive activities that will be o	onducted by machines, such as jackhammers, mechanized pile drivers, etc.?
If yes, please provide details to include ty Click the upload button or drag and drop files here to attach File must be FDF	rpe of percussive activity, purpose, duration, and	specific location of this activity on the property.
5j. What data sources did you use to dete	rmine whether your site would impact Endangered	l Species or Designated Critical Habitat?*
August 2018 NEPA Construction Consultation Schweinitz's sunflower, and smooth coneflower long-eared bat on the grounds that the propos	I Heritage Program (NCNHP) data explorer, October 20 were used. A biological conclusion of No Effect was ren r. NCDOT determined that the proposed action does no sed action is consistent with the final 4(d) rule under Se ee was recently listed as endangered but as a historic r no Section 7 consultation is needed.	dered for Carolina heelsplitter, Michaux's Sumac, t require separate consultation for the northern ction 7 of the Endangered Species Act (see
Consultation Documentation Upload		
Click the upload button or drag and drop files here to attack	1 document	

I-5507 & R-0211EC Mecklenburg 4(d) NLEB memo 2019.pdf File type must be FDF

202.39KB

6. Essential Fish Habitat (Corps Requirement)

6a. Will this project occur in or near an are	ea 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?* National Oceanic and Atmospheric Administration Essential Fish Habitat Mapper

7. Historic or Prehistoric Cultural Resources (Corps Requirement)

Link to the State Historic Preservation Office Historic Properties Map (does not include archaeological data: http://gis.ncdcr.gov/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)?*		
C Yes	© No	

7b. What data sources did you use to determine whether your site would impact historic or archeological resources?* May 2007 Environmental Assessment, August 2018 NEPA Construction Consultation, and State Historic Preservation Office HPOWEB GIS Service

7c. Historic or Prehistoric Information Upload

Click the upload button or drag and drop files here to attach document	
R-0211EC SHPO Concurrence Form.pdf	39.05KB
R-0211EC SHPO Letter - Recommendation No Archaeological Survey.pdf	50.58KB
File must be PDF	

8. Flood Zone Designation (Corps Requirement)

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

C Yes

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

⊙ No

FEMA Floodplain Maps

Miscellaneous

Comments

This TIP is being permitted and constructed concurrently with I-5507 and U-4714AB. Separate permit applications are being prepared and submitted for I-5507 and U-4714AB.

Miscellaneous attachments not previously requested.	
Click the upload button or drag and drop files here to attach document	
R-0211EC_HYD_SMP.pdf	156.77KB
R-0211 EC Cover Letter.pdf	300.78KB
File must be PDF or KMZ	

Signature

*

- 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 Turchy

Signature

Hichael Tunchy

Date 9/16/2019





ROY COOPER Governor MICHAEL S. REGAN Secretary TIM BAUMGARTNER Director

September 13, 2019

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

Dear Mr. Harris:

Subject: Mitigation Acceptance Letter:

R-0211EC, New Interchange on I-485 and SR 3468 (Weddington Road), Mecklenburg County

The purpose of this letter is to notify you that the Division of Mitigation Services (DMS) will provide the compensatory stream mitigation for the subject project. Based on the information supplied by you on September 13, 2019, the impacts are located in CU 03050103 of the Catawba River basin in the Southern Piedmont (SP) Eco-Region, and are as follows:

Catawba		Stream			Wetlands		Buffer (Sq. Ft.)		
03050103 SP	Cold	Cool	Warm	Riparian	Non- Riparian	Coastal Marsh	Zone 1	Zone 2	
Impacts (feet/acres)	0	0	66.0	0	0	0	0	0	

*Some of the stream and/or wetland impacts may be proposed to be mitigated at a 1:1 mitigation ratio. See permit application for details.

This mitigation acceptance letter replaces the mitigation acceptance letters issued on March 12 and August 31, 2018. The impacts and associated mitigation needs were under projected by the NCDOT in the 2019 impact data. DMS will commit to implement sufficient compensatory stream mitigation credits to offset the impacts associated with this project as determined by the regulatory agencies using the delivery timeline listed in Section F.3.c.iii of the In-Lieu Fee Instrument dated July 28, 2010 and consistent with the Guidance for Expanded Service Area for Mitigating Impacts within the Lower Catawba River Basin approved by the IRT. 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. James B. Stanfill

DMS Asset Management Supervisor

cc: Mr. Monte Matthews, USACE – Raleigh Regulatory Field Office Ms. Amy Chapman, NCDWR File: R-0211EC Revised

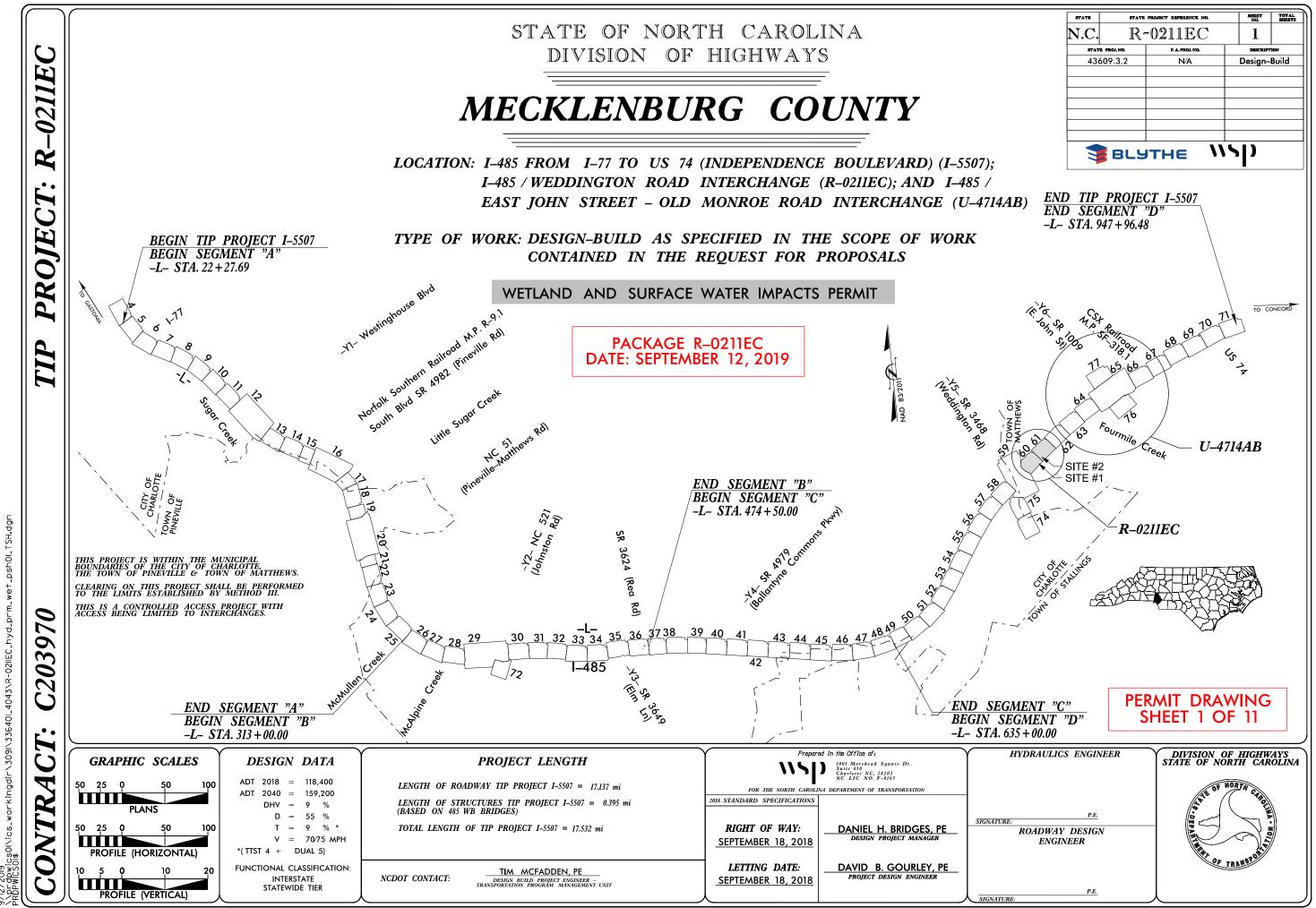


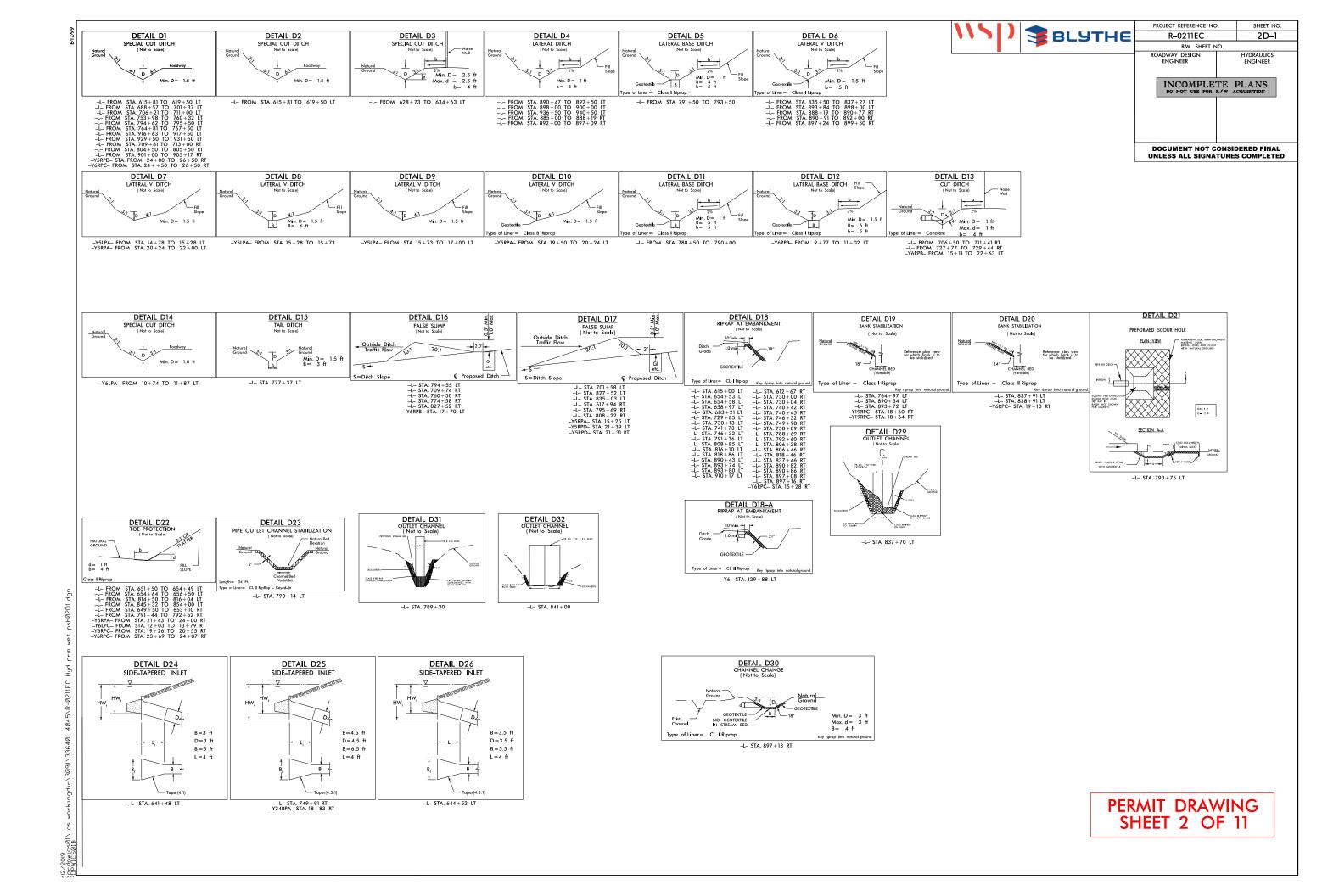
North Carolina Department of Environmental Quality | Division of Mitigation Services 217 W. Jones Street | 1652 Mail Service Center | Ralelgh, North Carolina 27699-1652 919.707.8976

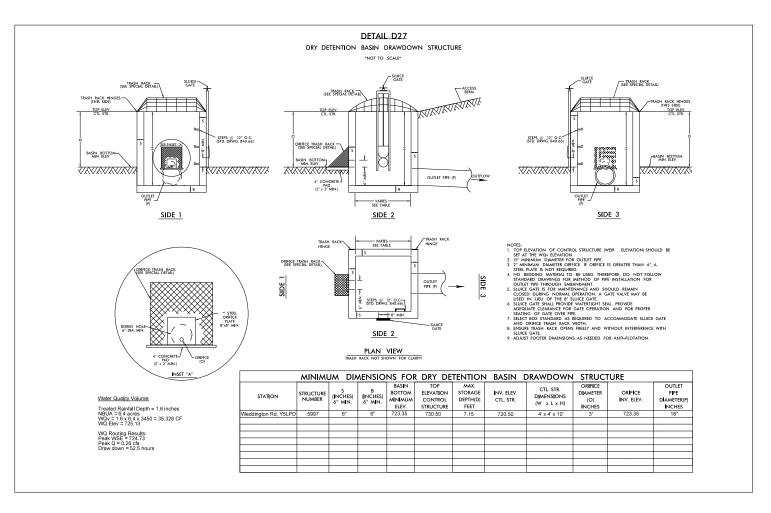
Highway – – Stormwatt PRORE (Version 2.08; Released A	м			Hi	ghway Stormw	IAGEMENT PLAN	on					of the office of	OF TRANSPORT
WBS Element:		TIP No.:	R-0211EC		County(ies):	Mecklenburg				Page	1	of	3
				G	eneral Project I	Information							
WBS Element:				TIP Number:	R-0211EC		Project	Туре:	Roadway Widenir	ng	Date:	6/7/201	9
NCDOT Contact:		Malcolm Watson				Contractor / Desig	· · · · · · · · · · · · · · · · · · ·	Blythe Cor	struction/WSP (Ka	rl Dauber)			
	Address:	1020 Birch Ridge Raleigh, NC 2761					Address:	Suite 610 Charlotte,					
	Phone:	(919) 707-6614				-	-	(704) 342-					
	Email:	mcwatson@ncdot					Email:	Karl.Daube	er@wsp.com				
City/Town:			Char	lotte		County(ies):	Meckle	nburg					
River Basin(s):		Catav	vba			CAMA County?	N	0					
Wetlands within Proj	ect Limits?	Yes											
				-	Project Desc			-1)					
Project Length (lin. n	iles or feet):	0.8 m	iles	Surrounding L		Urban (residential	and commerci	ai)					
				Proposed Projec				Existing Site					
Project Built-Upon A Typical Cross Section		There are covered	14.1	ar this project in the	ac.	ed with the Redline	Thora are 0 a	13.7	s section on 485.	IC.			
	2 C 1	pavement. In other		n. In some cases a aved median is							ssed		
Annual Avg Daily Tra General Project Narra		Design/Future:		1592		2040 bal boundaries of the	Existing:		1186		Ye)15
(Description of Minin Quality Impacts)	lization of Water	The project will als The Impacts for R Weddington Road Construction will u streams rip rap for <u>Best Management</u> *Dry Detention Ba *Promotion of she *Drainage system	so provide an I-4 -0211 EC are loo - - stabilization is b <u>- Practices:</u> sin. et flow and infiltr s outlet to rip rap	85 / Weddington R cated on Sheets 60 act several streams being installed on b	oad interchange and 61 of the p . Where practic anks only. shoulders excepted ditches.	in the I-485 median e, and modify the I-4 lan set and are in re able, 2:1 slopes will ot were shoulder ber e enter streams.	85 / East John elation to the w be used to mi	Street - Ok	d Monroe Road inte 85 that is needed to	rchange	e a new inte	erchange a	it
Surface Water Dedu	1).		Fourmil	o Crook		NCDWR Stream Ir	dox No :			11-137-9-4			
Surface Water Body				Primary Classific	ation:	Class				11-137-9-4			
NCDWR Surface Wat	er Classification fo	r Water Body		Supplemental Classific		CidSS	0						
Other Stream Classif	ication:	Nor		Supplemental Of	assincation.								
Impairments:		Nor											
Aquatic T&E Species	2	NO	Comments:										
NRTR Stream ID:	1	SBF SBE	comments:					Buffer Du	les in Effect:			NI/A	_
			No	Deals Deals - Di	harma C		No			D		N/A	_
Project Includes Brid Deck Drains Discharg	ge Over Water Bod		No	Deck Drains Disc (If yes, provide		the General Project	No Narrative)		r Pads Provided in describe in the Gen			N/A no, justify i	in the

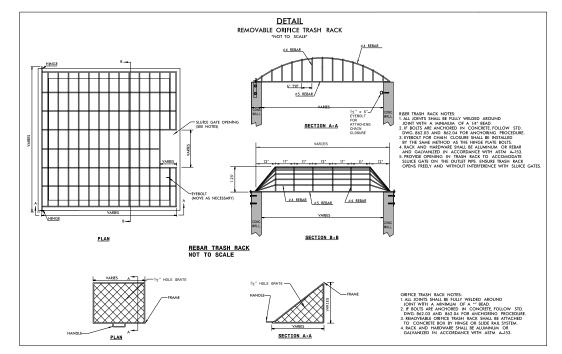
	; Released April 2018)		ST	Highway Stormw TORMWATER MAN FOR NCDOT P	AGEMENT PLA ROJECTS					HINT OF TRANSFOR
	WBS Element	:		R-0211EC	County(ies):				Page 2	of 3
			Preform	ned Scour Holes a		ipators				
Sheet No.	Station & Coordinates (Road and Non Road Projects)	Surface Water Body	Energy Dissipator Type	Riprap Type	Drainage Area (ac)	Conveyance Structure	Pipe/Structure Dimensions (in)	Q10 (cfs)	V10 (fps)	BMP Associated Buffer Rule
60 -	-L- 790+50 LT	(1)Fourmile Creek	PSH	Class 'B'	0.7	Pipe	15	3.5	12.3	No
		_								
		_								
		-								
F										
— E										
		_								
		_								
		_								
		_								
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			<u>.</u>	Additional C	omments			<u>.</u>		

	ay — — — mwater Produm ; Released April 2018)		High STORM	na Department of Tran way Stormwater Progr VATER MANAGEMENT FOR NCDOT PROJECTS	am			
WBS	Element:		TIP No.: R-0211EC		County(ies):	Mecklenburg	Page 3	of 3
			Other I	Best Management Prac				
Sheet No.	Station & Coordinates (Road and Non Road Projects)	Surface Water Body	ВМР Туре	Drainage Area (ac)	New Built-Upon Area (ac)	Volume Treated (ac-ft)	Precipitation Depth Treated over NBUA (in)	BMP Associate w/ Buffer Rules
59	Y5LPD- 20+00 RT Weddington Road	Four Mile Creek	Dry Detention Basin	13.8	6.4	0.745	1.47	No
		-						
		-						
		-						
								+
		-						
		-						
				Additional Comments				





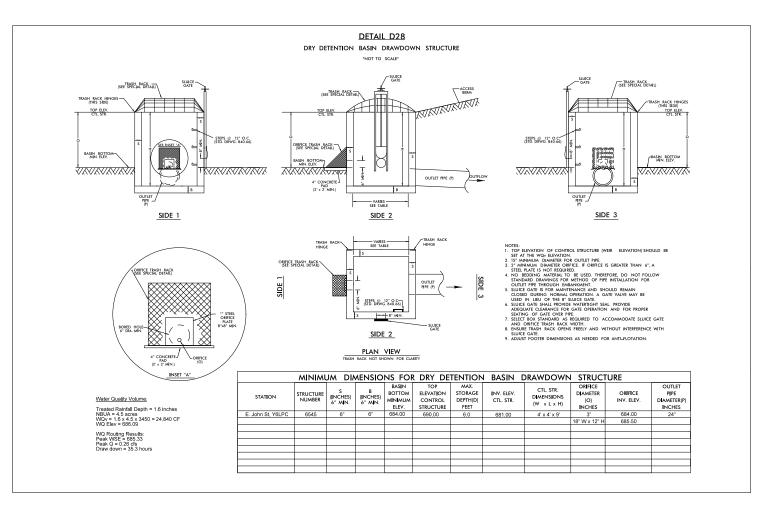


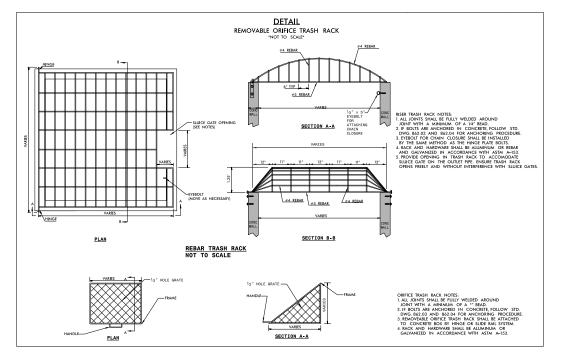


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	PROJECT REFERENCE NO R-0211EC	D.	SHEET NO. 2D-2
BLSINE	ROADWAY DESIGN ENGINEER	NO.	HYDRAULICS ENGINEER
	INCOMPLE DO NOT USE FOR		

PERMIT DRAWING SHEET 3 OF 11

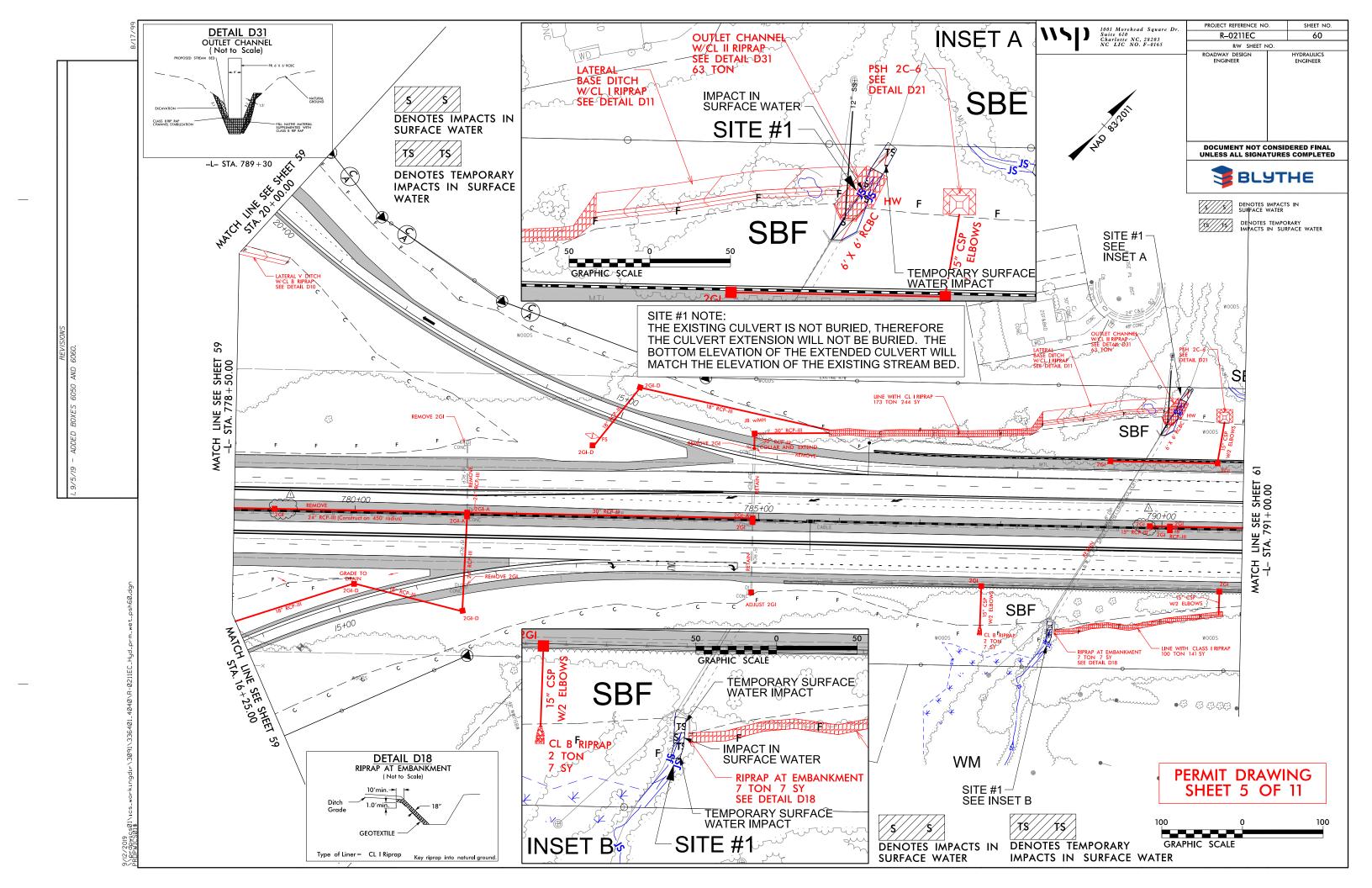


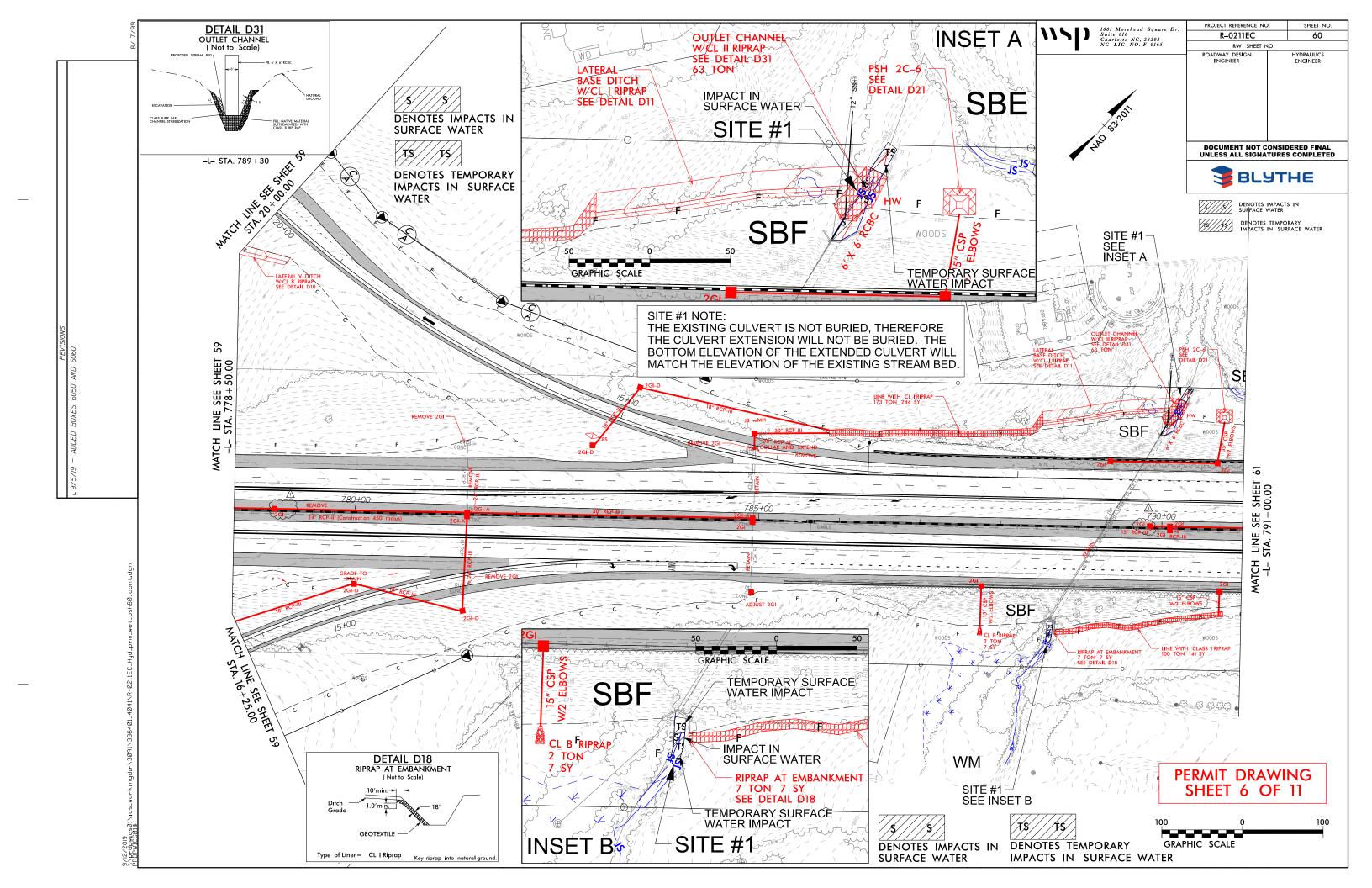


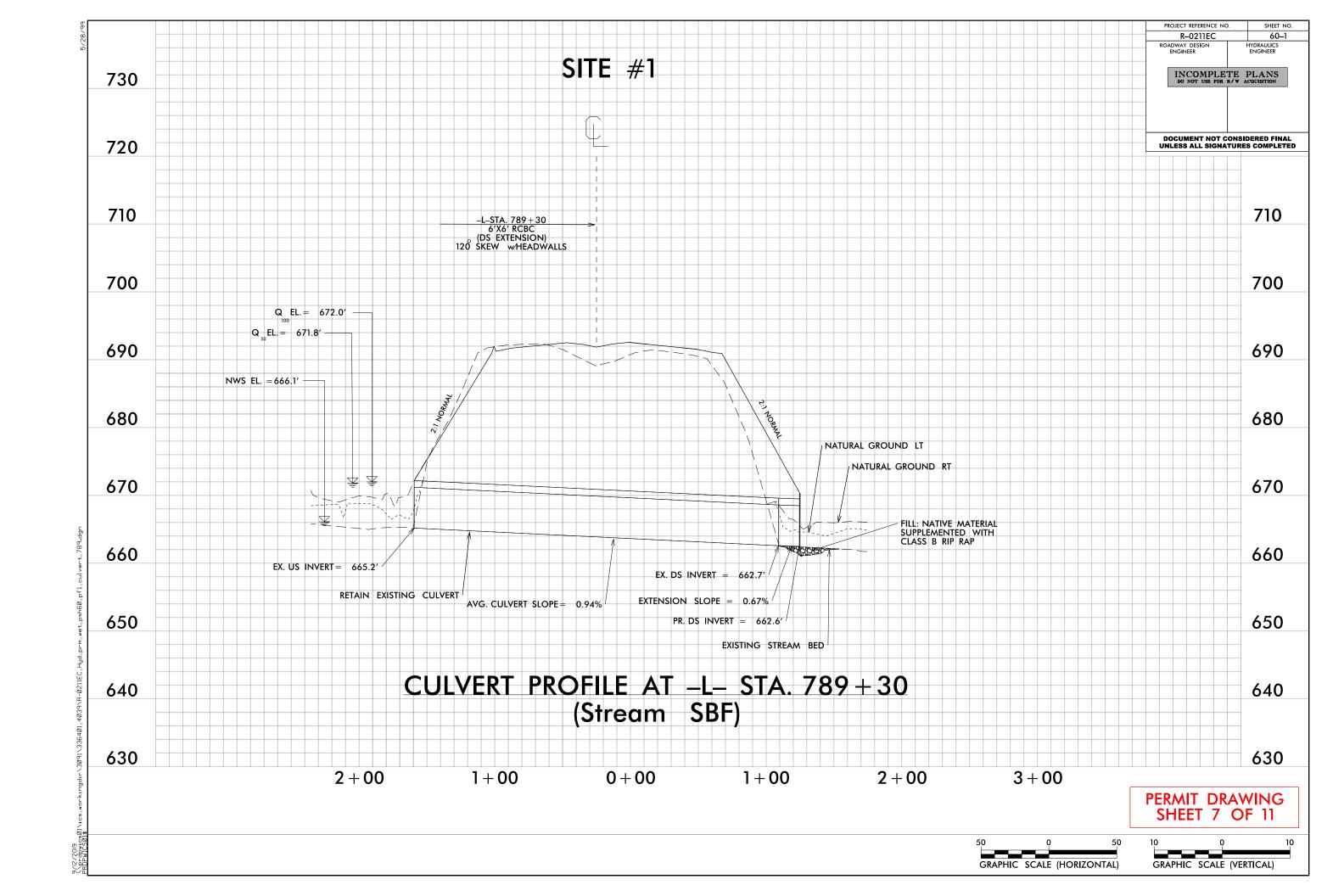
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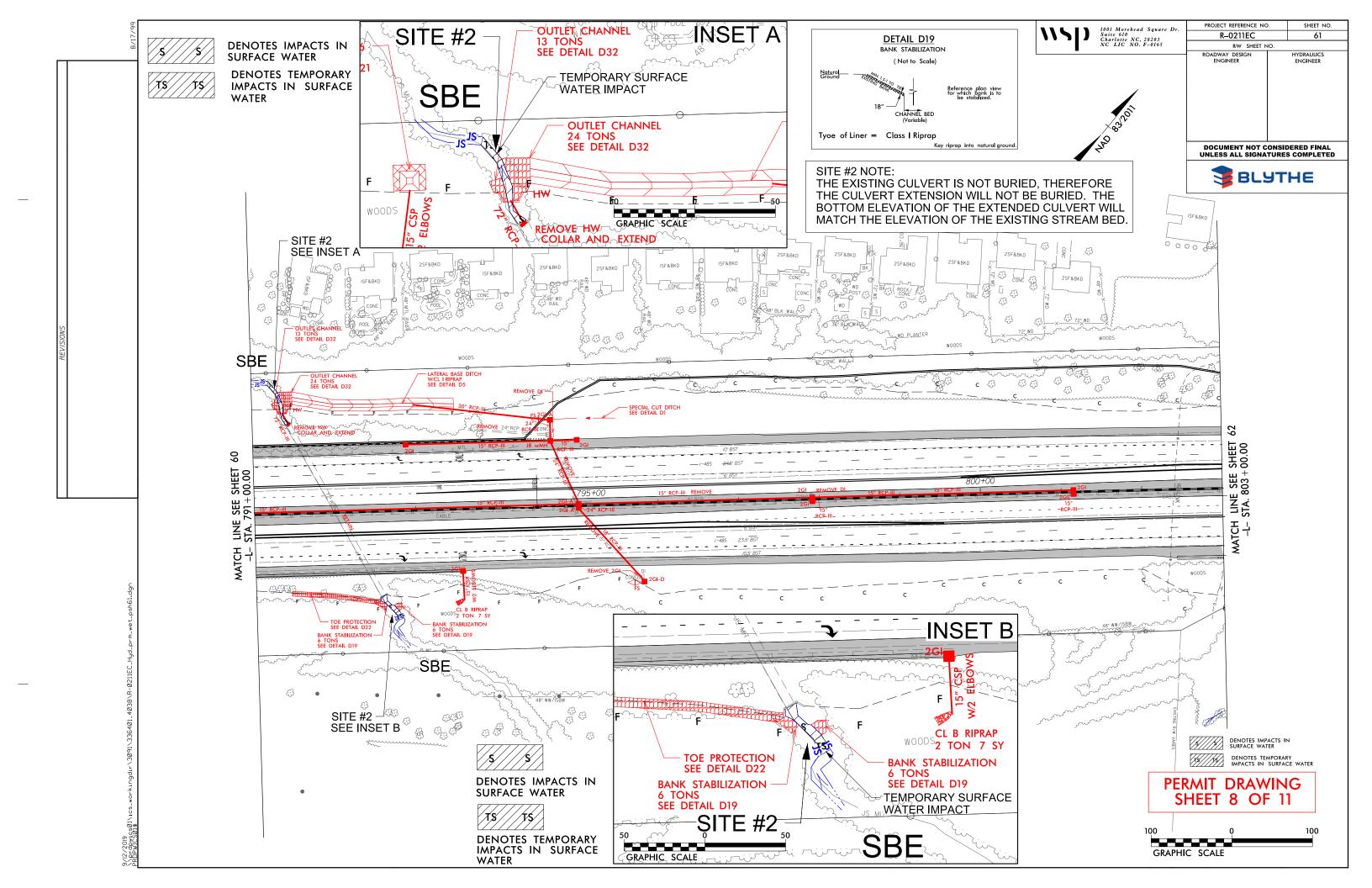
PROJECT REFERENCE NO	Э.	SHEET NO. 2D-3
RW SHEET N ROADWAY DESIGN ENGINEER	NO.	HYDRAULICS ENGINEER
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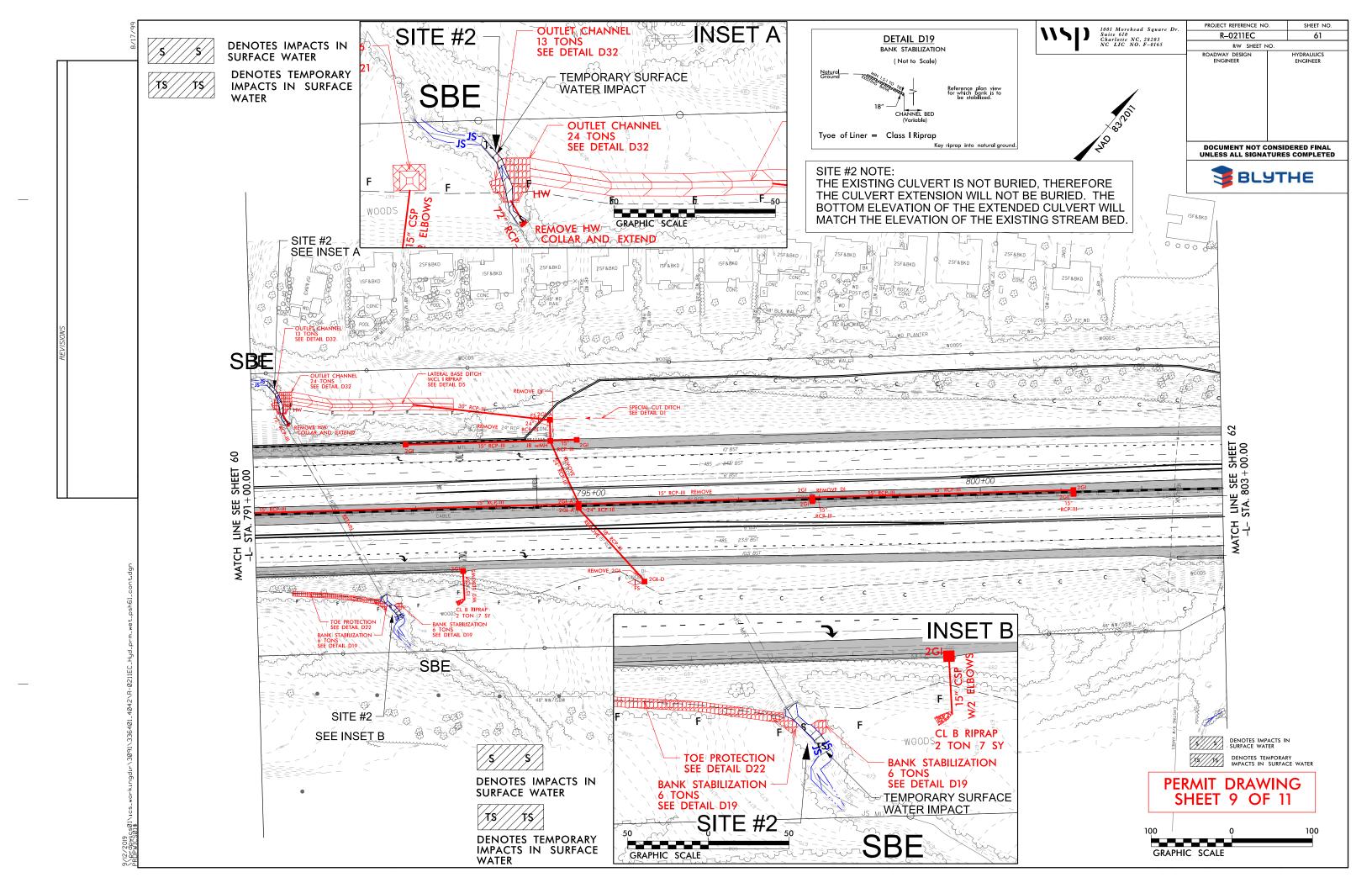
PERMIT DRAWING SHEET 4 OF 11

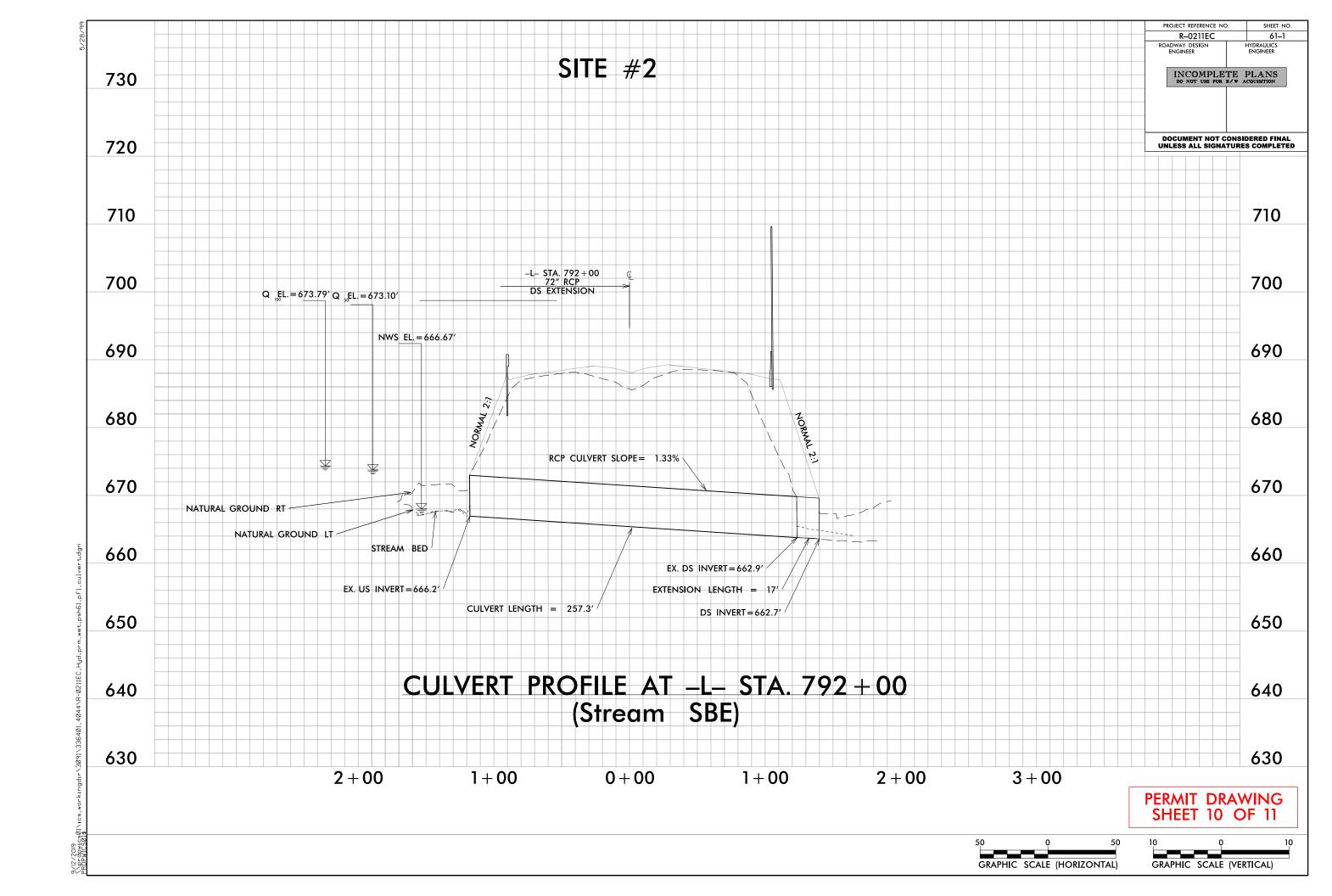










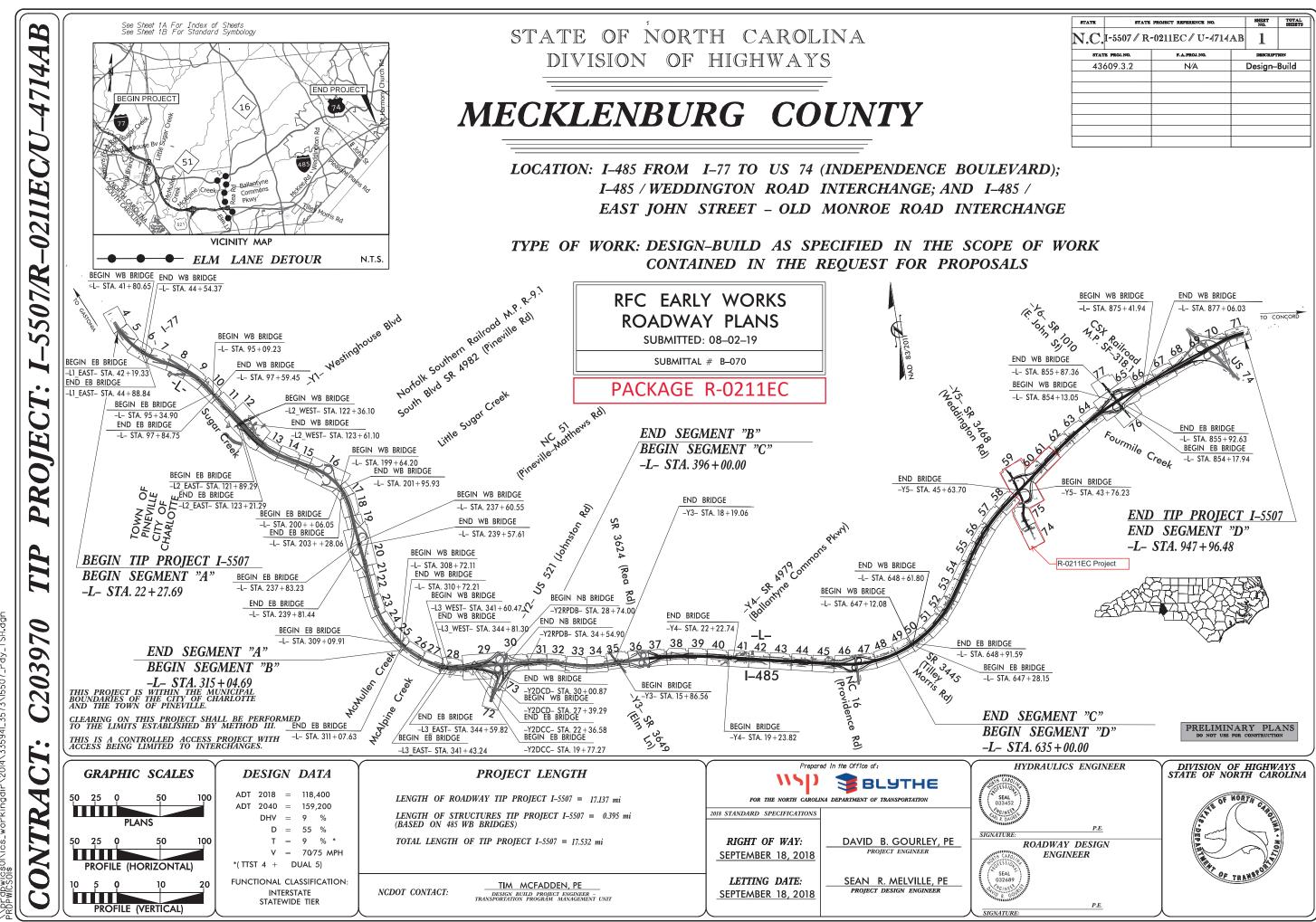


			WETLAND IMPACTS S					ACTS SUN	SURFACE WATER IMPACTS				
Site No.	Station (From/To)	Structure Size / Type	Permanent Fill In Wetlands (ac)	Temp. Fill In Wetlands (ac)	Excavation in Wetlands (ac)	Mechanized Clearing in Wetlands (ac)	Hand Clearing in Wetlands (ac)	Permanent SW impacts (ac)	Temp. SW impacts (ac)	Existing Channel Impacts Permanent (ft)	Existing Channel Impacts Temp. (ft)	Natural Stream Design (ft)	
1	790+00 -L- (LT)	Extend 6' x 6' RCBC						< 0.01	. ,	16			
1	790+00 -L (LT)	Riprap Fill						< 0.01	< 0.01	34	19		
1	788+50 -L- (RT)	Bank Stabilization						< 0.01	< 0.01	6	20		
2	791+30 -L-	Extend 72" RCP						< 0.01		16			
	791+30/792+70 -L-	Bank Stabilization						< 0.01	< 0.01	53	27		
OTALS*:								0.02	< 0.01	125	66	0	

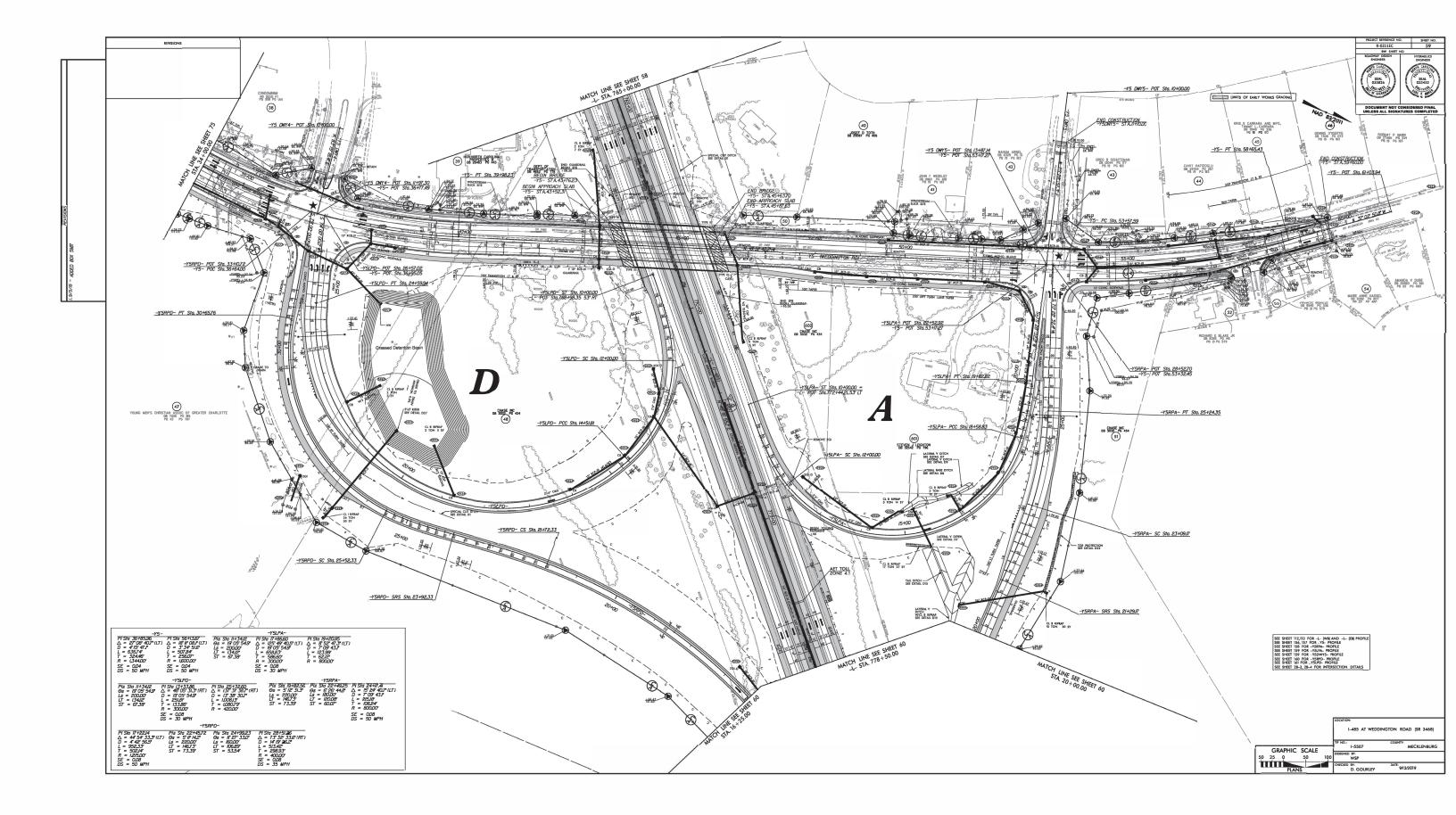
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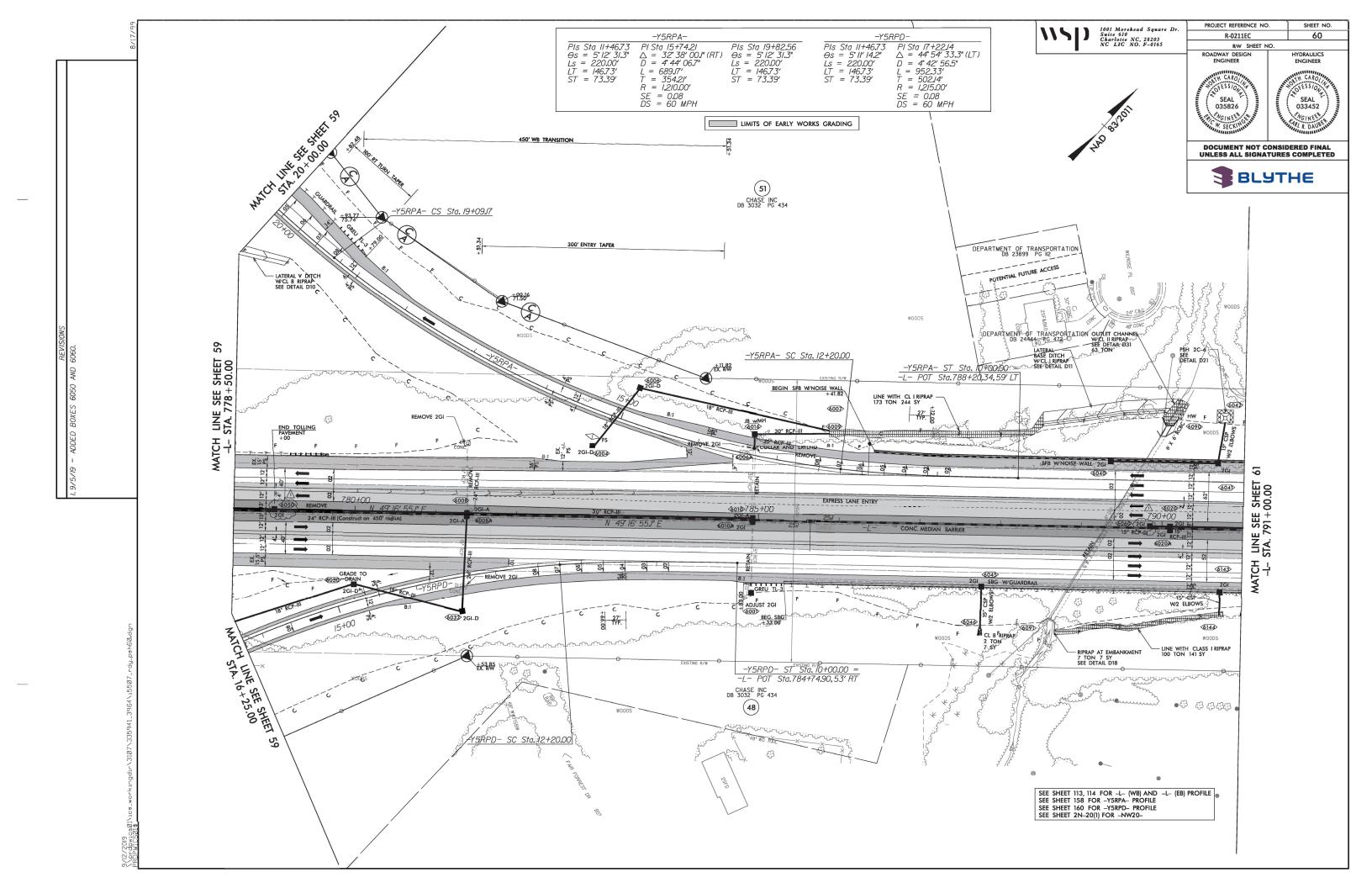
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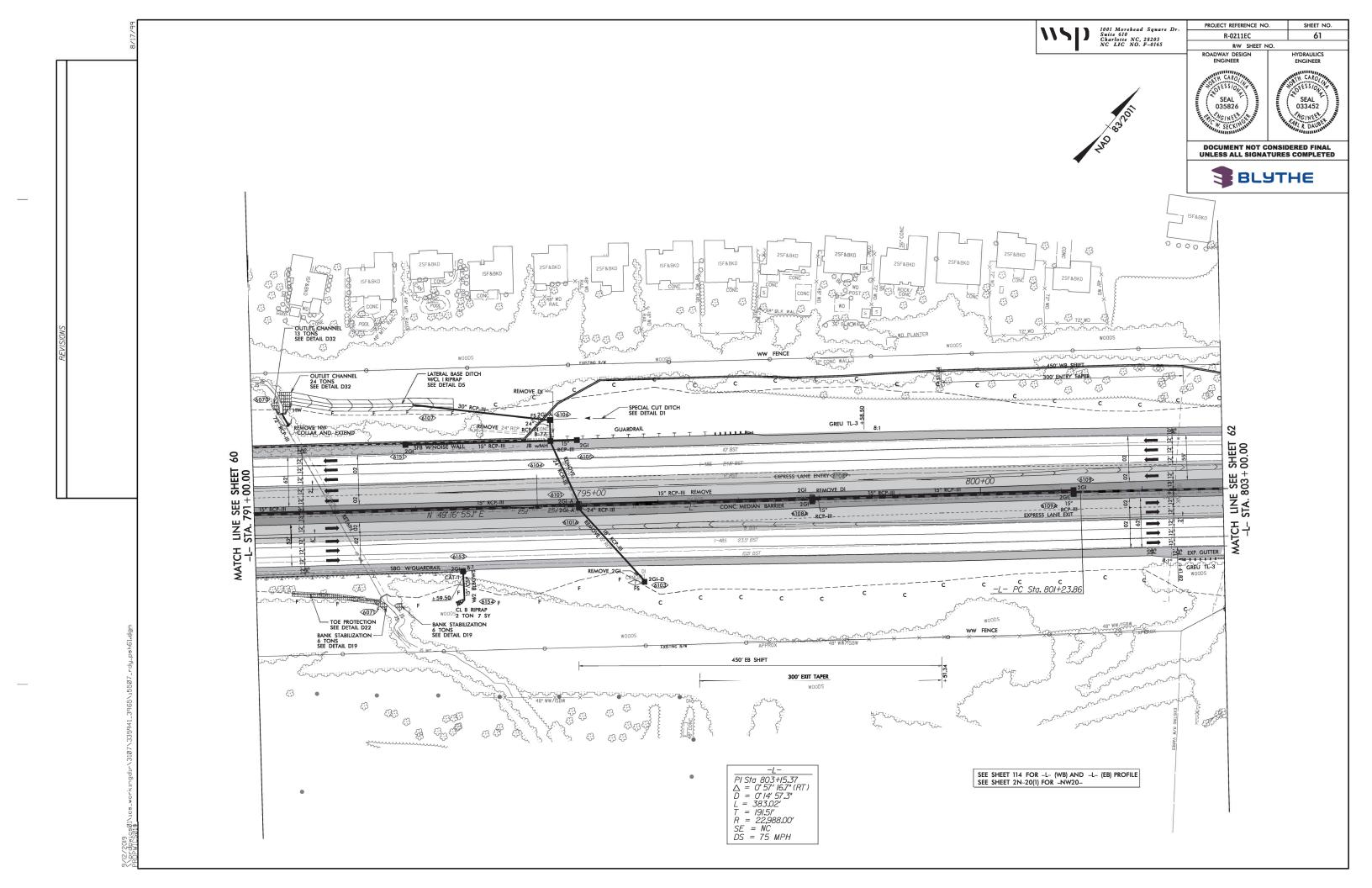
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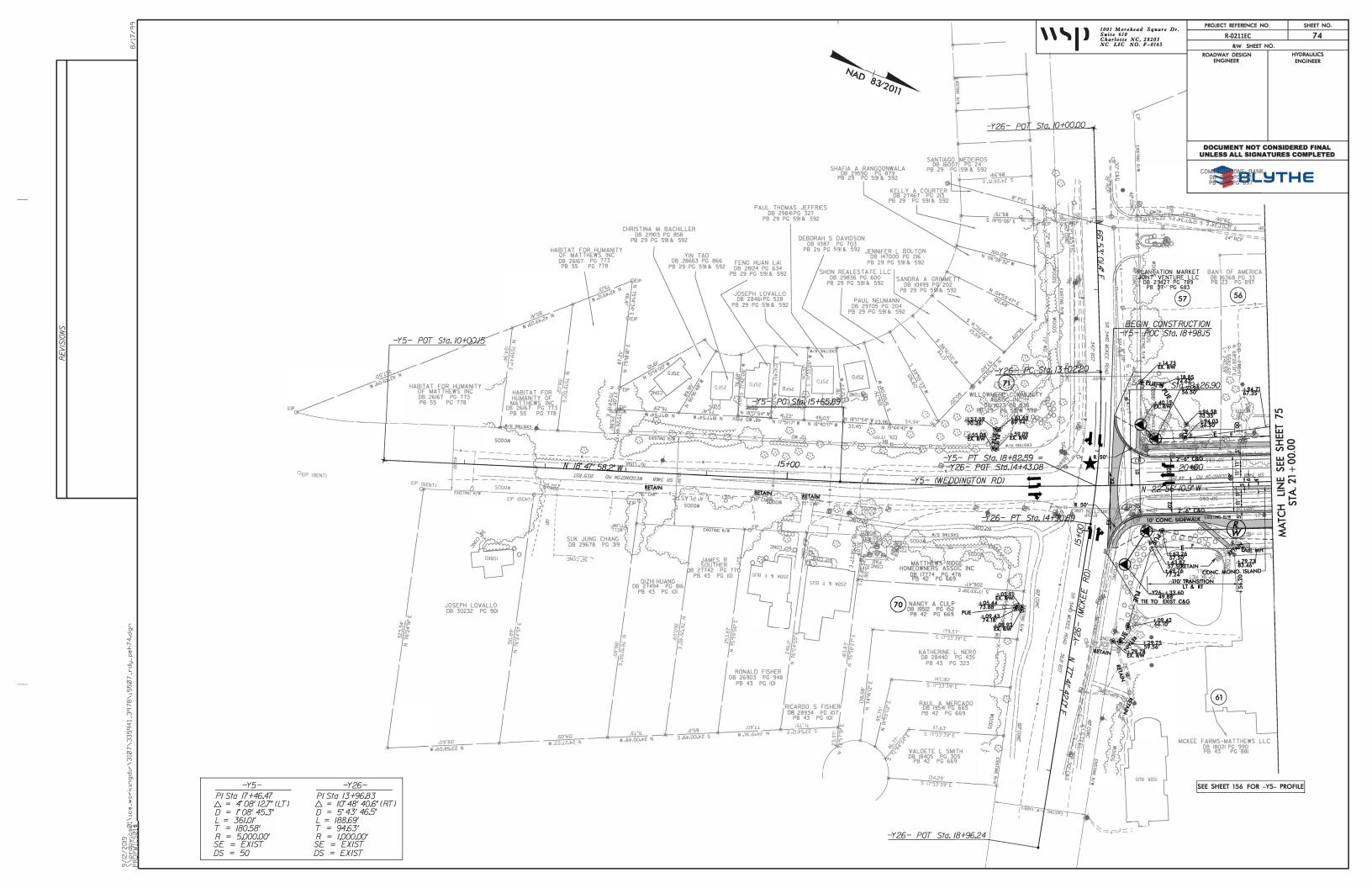


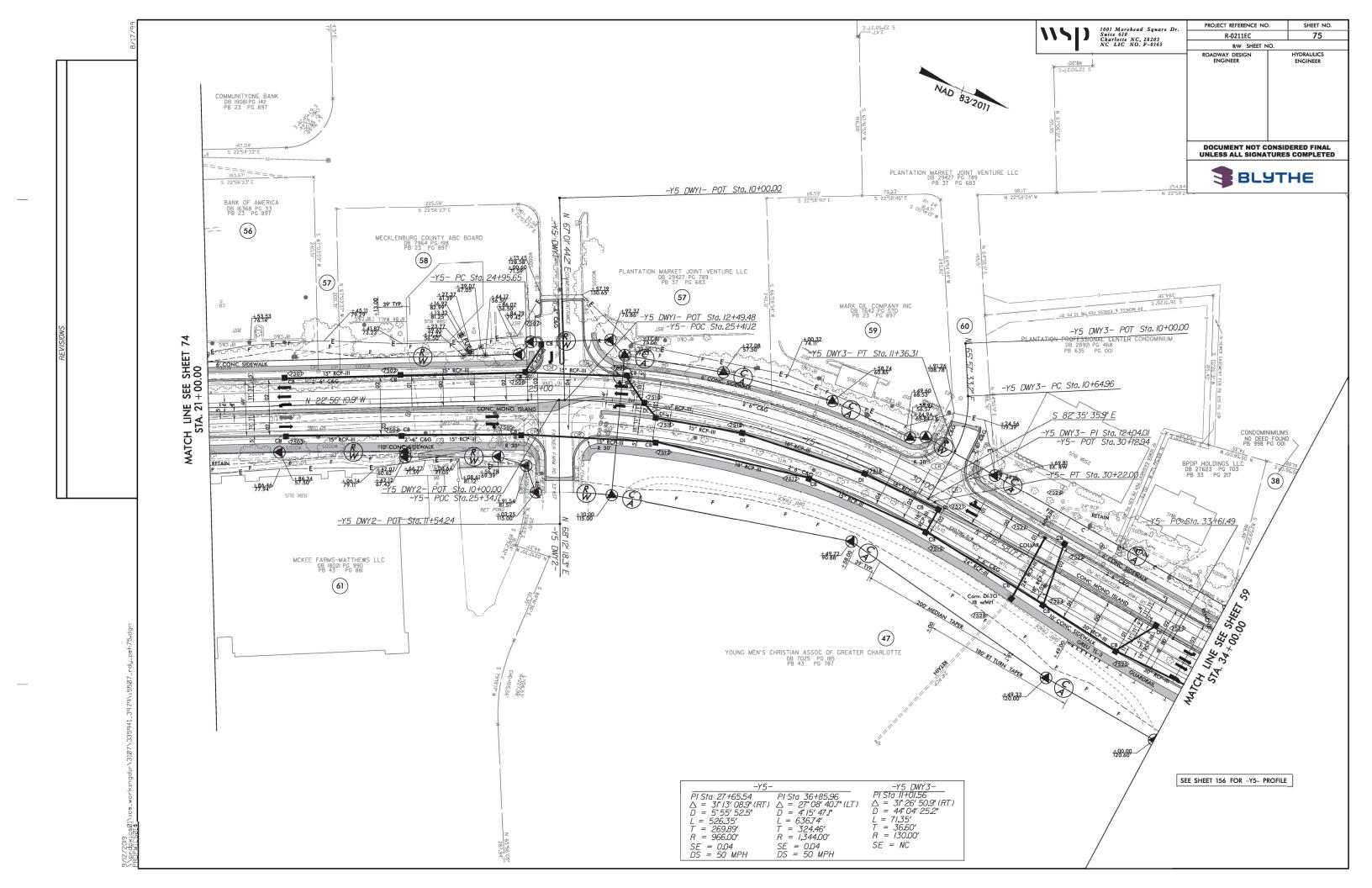
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STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

ROY COOPER GOVERNOR JAMES H. TROGDON, III Secretary

July 29, 2019

- TO: Erin Cheely, Environmental Program Consultant ECAP, Environmental Analysis Unit
- FROM: Chris Manley, Environmental Program Consultant Biological Surveys Group, EAU
- SUBJECT: Section 7 survey results for the northern long-eared bat (*Myotis septentrionalis*) associated with the improvement of I-485 (Charlotte Outer Loop) from I-77 to US 74 (Independence Boulevard) in Mecklenburg County, **TIP No. I-5507**; and the new interchange on I-485 and Weddington Road (SR 3468) in Mecklenburg County, **TIP No. R-0211EC**

The North Carolina Department of Transportation (NCDOT, Division 10) proposes to improve I-485 (Charlotte Outer Loop) from I-77 to US 74 (Independence Boulevard), plus a new interchange on I-485 at Weddington Road (SR 3468), in Mecklenburg County, TIP No. I-5507 and R-0211EC. The study area for I-5507 covered the project limits for R-0211EC. In cooperation with FHWA, NCDOT proposes improvements to approximately 17 miles of I-485 by adding one Express Lane in each direction in the existing median, plus adding a new interchange at the intersection of I-485 and Weddington Road. This project serves as part of a larger network of Express Lanes in coordination with other projects in the Charlotte area.

Northern long-eared bat

The project to improve I-485 has been reviewed for effects on the northern long-eared bat (NLEB). As of May 4, 2015, NLEB is listed by the U.S. Fish and Wildlife Service (USFWS) as "Threatened" under the Endangered Species Act of 1973. As of July 29, 2019, NLEB is listed by USFWS (<u>http://www.fws.gov/raleigh/species/cntylist/nc counties.html</u>) as "probable/potential" in Mecklenburg County. USFWS also established a final rule under the authority of section 4(d) of the Endangered Species Act that provides measures for the conservation of NLEB. The USFWS has tailored the final 4(d) rule to prohibit the take of NLEB from certain activities within areas where they are in decline. This incidental take protection applies only to known NLEB occupied maternity roost trees and known NLEB hibernacula. Effective February 16, 2016, incidental take resulting from tree removal is

Mailing Address: NC DEPARTMENT OF TRANSPORTATION PROJECT DEVELOPMENT & ENVIRONMENTAL ANALYSIS UNIT 1598 MAIL SERVICE CENTER RALEIGH NC 27699-1598 *TELEPHONE: 919-707-6000 FAX: 919-212-5785* Location: CENTURY CENTER, BUILDING B 1020 BIRCH RIDGE DRIVE RALEIGH NC 27610

WEBSITE:NCDOT.GOV

prohibited if it 1) occurs within a ¼ mile radius of known NLEB hibernacula; or 2) cuts or destroys known occupied maternity roost trees or any other trees within a 150-foot radius from the known maternity tree during the pup season (June 1-July 31).

According to the North Carolina Natural Heritage Program (NHP) Biotics Database, most recently updated April 2019, **the nearest NLEB hibernacula record is 76 miles west of the project and no known NLEB roost trees occur within 150 feet of the project area**.

NCDOT has also reviewed the USFWS Asheville Field office website (<u>http://www.fws.gov/asheville/htmls/project review/NLEB in WNC.html</u>) for consistency with NHP records. This project is located entirely outside of the red highlighted areas (12-digit HUC) that the USFWS Asheville Field Office has determined to be representative of an area that may require consultation.

For the proposed action, NCDOT has committed to the conservation measures listed below:

- 1) No alterations of a known hibernacula entrance or interior environment if it impairs an essential behavioral pattern, including sheltering northern long-eared bats (January 1 through December 31);
- 2) No tree removal within a 0.25 mile radius of a known hibernacula (January 1 through December 31); and
- 3) No cutting or destroying a known, occupied maternity roost tree, or any other trees within a 150-foot radius from the known, occupied maternity tree during the period from June 1 through and including July 31.

NCDOT has determined that the proposed action does not require separate consultation on the grounds that the proposed action is consistent with the final Section 4(d) rule, codified at 50 C.F.R. § 17.40(o) and effective February 16, 2016. NCDOT may presume its determination is informed by best available information and consider Section 7 responsibilities fulfilled for NLEB.

If you need any additional information, please contact Chris Manley at 919-707-6135.

 \boxtimes Other Scoping meeting Historic architectural resources photograph review session/consultation Other There are no properties over fifty years old 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 properties over fifty years old within the project's Area of Potential Effects (APE), but based on the considered not eligible for the National Register and no further evaluation of them is necessary. There are no National Register-listed or Study Listed properties within the project's area of potential effects. \boxtimes All properties greater than 50 years of age located in the APE have been considered at this consultation, and based upon the above concurrence, all compliance for historic architecture with Section 106 of the National Historic Preservation Act and GS 121-12(a) has been completed for this project. There are no historic properties affected by this project. (Attach any notes or documents as needed) \boxtimes Aurah Woodard Daniel Representative, NCDOT Date Date FHWA, for the Division Administrator, or other Federal Agency 12-19-20 Date 12.19.86 _____ Representative, HPO State Historic Preservation Officer

If a survey report is prepared, a final copy of this form and the attached list will be included.

CONCURRENCE FORM FOR PROPERTIES NOT ELIGIBLE FOR THE NATIONAL REGISTER OF HISTORIC PLACES

Project Description:	Interchange for I-485 at SR 3468
----------------------	----------------------------------

- representatives of the December 19, 2006 On
 - North Carolina Department of Transportation (NCDOT) Federal Highway Administration (FHWA) North Carolina State Historic Preservation Office (HPO)

Reviewed the subject project at

All parties present agreed

 \boxtimes

- \boxtimes
- historical information available and the photographs of each property, the properties identified as _____are
- \square

Signed:

December 19. Devic

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Division of Archives and History

Jeffrey J. Crow, Director



North Carolina Department of Cultural Resources State Historic Preservation Office

David L. S. Brook, Administrator

Michael F. Easley, Governor Lisbeth C. Evans, Secretary

December 28, 2001

MEMORANDUM

10: William D. Gilmore, Manager Project Development and Environmental Analysis Branch NCDOT, Division of Highways

FROM: David Brook Burger David Brook

 SUBJECT: Review of Scoping Sheets for I-485 (Charlotte Outer Loop) at SR 3468 (Weddington Road), Federal-Aid Project NHF-117-1(54), TIP No. R-211EC, State Project 8.U670124, Mecklenburg County, ER 02-7632

We regret that a member of our staff was unable to attend the scoping meening for the above project on September 25, 2001. Based on the information provided, we recommend an architectural survey of the undertaking's area of potential effect.

Because of the location and topography of the project area, it is unlikely that any archaeological sites which may be eligible for listing in the National Register of Historic Places will be affected by the proposed construction. We, therefore, recommend that no archaeological investigation be conducted in connection with this project.

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 dodified at 36 CFR Part 800.

Thank you for your cooperation and consideration. If you have questions concerning the above comment, contact Rence Gledhill-Harley, environmental review coordinator, at 919/733-4763. In all future communication concerning this project, please cite the above referenced tracking number.

DB-kgc

cc: Mary Pope Furr, NCDOT

715-1501 * Mary Pope 733-9794 * Undré Major

Administration Restoration Location 507 N. Blount St. Roleigh, NC 513 N. Blount St. Roleigh, NC Mailing Address

4617 Mail Service Center, Rolaigh 27699-4617 4613 Mail Service Center, Roleigh 27699-4613 4618 Mail Service Center, Roleigh 27699-4618 Telephone/Fax (919) 733-4763 •733-8653 (919) 733-6547 •715-4801 (919) 733-4763 •715-4801