

December 9, 2020

**Regulatory Division** 

Action ID No. SAW-2017-02112

Ms. Amy Euliss NCDOT Division 9 Environmental Officer North Carolina Department of Transportation Division 9 375 Silas Creek Parkway Winston-Salem, North Carolina 27127

Dear Ms. Amy Euliss:

Reference the Department of the Army (DA) permit issued on January 22, 2018, to the North Carolina Department of Transportation (NCDOT), for impacts associated with the new location project identified as U-2579 C, Phase 2 and U-2579 D, E, & F. The project is 6.95 miles, six-lane, divided facility, extending east from US 52 to US 311, near Winston Salem, Forsyth County, North Carolina. Coordinates (in decimal degrees) for the site are 36.1788° N, -80.2166° W. The project area contains unnamed tributaries to Mill Creek, Mill Creek, Trick-Um Creek, unnamed tributaries to Trick-Um Creek, an unnamed tributary to Ogburn Branch, Buffalo Creek, Rough Fork, unnamed tributaries to Rough Fork, unnamed tributaries to Frazier Creek, and sixteen (16) wetland areas in the Yadkin & Roanoke River Basins (8-Digit Cataloging Units 03040101 and 03010103, respectively). Also reference the North Carolina Department of Environmental Quality Water Quality Certification# 004131, dated December 21, 2017.

On November 5, 2020, the U.S. Army Corps of Engineers (Corps) received a request from NCDOT to modify the standard permit for the U-2579 DEF project to include an additional 31 linear feet of permanent stream channel impact, and an additional 20 linear feet of temporary stream impacts. The modification request stated the additional impacts are at Site 18A, in the Yadkin River Basin. There are no changes to wetland impacts. The total waters of the U.S., including wetland impacts, for the U-2579 DEF project are: 12,111 linear feet of permanent stream impacts, of which 405 linear feet are bank stabilization, 615 linear feet of temporary stream impacts, no temporary wetland impacts, and no hand clearing in wetland.

The Corps has completed the evaluation of your request and has determined that it is appropriate and reasonable, and no public notice is required for this modification. Therefore, the permit is modified as requested and as shown on the \*\*enclosed revised Permit Drawings, Sheets 60, 61, 72, 73, 74, 75, 96, & 97 of 97,prepared by HDR Engineering Inc. and STV Engineers, Inc., received on November 5, 2020.

For your information, the following special conditions from the original authorization have been updated to include the new compensatory mitigation requirements and the new modified plan set:

1. All work authorized by this permit shall be performed in strict compliance with the attached sets of plans, "U-2579DEF: PERMIT MODIFICATION PACKAGE" Sheets 1-97, dated December 18,2018, with revisions to Sheets 60, 61, 72, 73, 74, 75, 96, & 97, received on November 5, 2020; and Sheets 1-34, dated September 16, 2019, which are part of this permit. The Permittee shall ensure the construction design plans for this project do not deviate from the permit plans attached to this authorization. Any modification to the attached permit plans must be approved by the U.S. Army Corps of Engineers (Corps) prior to any active construction in waters or wetlands.

25. In order to compensate for impacts associated with this permit, mitigation shall be provided in accordance with the provisions outlined on the most recent version of the attached Compensatory Mitigation Responsibility Transfer Form. The requirements of this form, including any special conditions listed on this form, are hereby incorporated as special conditions of this permit.

The North Carolina Department of Environmental Quality issued a modified Section 401 Water Quality Certification (WQC) for this modification on November 30, 2020 (WQC004131). Conditions of the 401 WQC are also conditions of this Corps standard permit.

All other conditions of the permit, including the permit expiration date of December 31, 2028, remain in effect as written. Should you have any questions, contact Mr. Eric Alsmeyer, via email at <u>Eric.C.Alsmeyer@usace.army.mil</u> or by telephone at (919) 554-4884, extension 23.

# FOR THE COMMANDER

Monte Matthews Date: 2020.12.09 13:16:12 -05'00'

Monte Matthews Lead Project Manager Wilmington District

Enclosures

Electronic Copies Furnished with Enclosures:

Mr. Dave Wanucha North Carolina Department of Environmental Quality Division of Water Resources 450 West Hanes Mill Road, Suite 300 Winston-Salem, North Carolina 27105

Ms. Holland Youngman U.S. Fish and Wildlife Services Asheville Ecological Service Field Office 160 Zillicoa Street Asheville, North Carolina 28801

Ms. Amanetta Somerville
U.S. Environmental Protection Agency Region 4 National Environmental Policy Act Section Strategic Programs Office
61 Forsyth Street SW. Atlanta, Ga 30303

Marla J. Chambers Western NCDOT Permit Coordinator North Carolina Wildlife Resources Commission 12275 Swift Road Oakboro, NC 28129



# U.S. ARMY CORPS OF ENGINEERS Wilmington District Compensatory Mitigation Responsibility Transfer Form

**Permittee:** North Carolina Department of Transportation, Div 9 **Project Name:** NCDOT/U-2579 DEF, Winston-Salem Northern Beltway Action ID: SAW-2017-02112 County: Forsyth

**Instructions to Permittee:** The Permittee must provide a copy of this form to the Mitigation Sponsor, either an approved Mitigation Bank or the North Carolina Division of Mitigation Services (NCDMS), who will then sign the form to verify the transfer of the mitigation responsibility. Once the Sponsor has signed this form, it is the Permittee's responsibility to ensure that to the U.S. Army Corps of Engineers (USACE) Project Manager identified on page two is in receipt of a signed copy of this form before conducting authorized impacts, unless otherwise specified below. If more than one mitigation Sponsor will be used to provide the mitigation associated with the permit, or if the impacts and/or the mitigation will occur in more than one 8-digit Hydrologic Unit Code (HUC), multiple forms will be attached to the permit, and the separate forms for each Sponsor and/or HUC must be provided to the appropriate mitigation Sponsors.

**Instructions to Sponsor:** The Sponsor must verify that the mitigation requirements (credits) shown below are available at the identified site. By signing below, the Sponsor is accepting full responsibility for the identified mitigation, regardless of whether or not they have received payment from the Permittee. Once the form is signed, the Sponsor must update the bank ledger and provide a copy of the signed form and the updated bank ledger to the Permittee, the USACE Project Manager, and the Wilmington District Mitigation Office (see contact information on page 2). The Sponsor must also comply with all reporting requirements established in their authorizing instrument.

## Permitted Impacts and Compensatory Mitigation Requirements

## Permitted Impacts Requiring Mitigation\*: 8-digit HUC and Basin: 03040101, Yadkin River Basin

Stream	m Impacts (linea	r feet)	Wetland Impacts (acres)						
Warm	Cool	Cold	Riparian Riverine	Riparian Non-Riverine	Non-Riparian	Coastal			
4,345				0.04					

\*If more than one mitigation sponsor will be used for the permit, only include impacts to be mitigated by this sponsor.

#### Compensatory Mitigation Requirements:

8-digit HUC and Basin: 03040101, Yadkin River Basin

Stream Mitigation (credits)				Wetland Mitigation (credits)						
	Warm	rm Cool Cold F		<b>Riparian Riverine</b>	Riparian Non-Riverine	Non-Riparian	Coastal			
	7,367				0.08					

## Mitigation Site Debited: NCDMS

(List the name of the bank to be debited. For umbrella banks, also list the specific site. For NCDMS, list NCDMS. If the NCDMS acceptance letter identifies a specific site, also list the specific site to be debited).

#### Section to be completed by the Mitigation Sponsor

**Statement of Mitigation Liability Acceptance**: I, the undersigned, verify that I am authorized to approve mitigation transactions for the Mitigation Sponsor shown below, and I certify that the Sponsor agrees to accept full responsibility for providing the mitigation identified in this document (see the table above), associated with the USACE Permittee and Action ID number shown. I also verify that released credits (and/or advance credits for NCDMS), as approved by the USACE, are currently available at the mitigation site identified above. Further, I understand that if the Sponsor fails to provide the required compensatory mitigation, the USACE Wilmington District Engineer may pursue measures against the Sponsor to ensure compliance associated with the mitigation requirements.

Mitigation Sponsor Name:

Name of Sponsor's Authorized Representative:

Signature of Sponsor's Authorized Representative

**Date of Signature** 

# USACE Wilmington District Compensatory Mitigation Responsibility Transfer Form, Page 2

## Conditions for Transfer of Compensatory Mitigation Credit:

- Once this document has been signed by the Mitigation Sponsor and the USACE is in receipt of the signed form, the Permittee is no longer responsible for providing the mitigation identified in this form, though the Permittee remains responsible for any other mitigation requirements stated in the permit conditions.
- Construction within jurisdictional areas authorized by the permit identified on page one of this form can begin only
  after the USACE is in receipt of a copy of this document signed by the Sponsor, confirming that the Sponsor has
  accepted responsibility for providing the mitigation requirements listed herein. For authorized impacts conducted by
  the North Carolina Department of Transportation (NCDOT), construction within jurisdictional areas may proceed upon
  permit issuance; however, a copy of this form signed by the Sponsor must be provided to the USACE within 30 days of
  permit issuance. NCDOT remains fully responsible for the mitigation until the USACE has received this form, confirming
  that the Sponsor has accepted responsibility for providing the mitigation requirements listed herein.
- Signed copies of this document must be retained by the Permittee, Mitigation Sponsor, and in the USACE administrative records for both the permit and the Bank/ILF Instrument. It is the Permittee's responsibility to ensure that the USACE Project Manager (address below) is provided with a signed copy of this form.
- If changes are proposed to the type, amount, or location of mitigation after this form has been signed and returned to the USACE, the Sponsor must obtain case-by-case approval from the USACE Project Manager and/or North Carolina Interagency Review Team (NCIRT). If approved, higher mitigation ratios may be applied, as per current District guidance and a new version of this form must be completed and included in the USACE administrative records for both the permit and the Bank/ILF Instrument.

## **Comments/Additional Conditions:**

This Transfer Form includes the total NCDMS mitigation requirement within HUC 03040101, Yadkin River Basin, for TIP U-2579, Sections D, E, and F, and replaces all previous Transfer Forms for this HUC and these project sections.

This form is not valid unless signed below by the USACE Project Manager and by the Mitigation Sponsor on Page 1. Once signed, the Sponsor should provide copies of this form along with an updated bank ledger to: 1) the Permittee, 2) the USACE Project Manager at the address below, and 3) the Wilmington District Mitigation Office, Attn: Todd Tugwell, 3331 Heritage Trade Drive, Suite 105, Wake Forest, NC 27587 (email: todd.tugwell@usace.army.mil). Questions regarding this form or any of the permit conditions may be directed to the USACE Project Manager below.

Email:	eric.c.alsmeyer@usace.army.mil
	3331 Heritage Trade Drive, Suite 105 Wake Forest, NC 27587
	, , , ,
	US Army Corps of Engineers
USACE Field Office:	Raleigh Regulatory Field Office
USACE Project Manager:	Eric Alsmeyer

# Eric C. Alsmeyer 2020.12.08 08:58:14 -05'00'

December 8, 2020 Date of Signature

## USACE Project Manager Signature

Current Wilmington District mitigation guidance, including information on mitigation ratios, functional assessments, and mitigation bank location and availability, and credit classifications (including stream temperature and wetland groupings) is available at <u>http://ribits.usace.army.mil</u>.

Page 2 of 2

ROY COOPER Governor MICHAEL S. REGAN Secretary S. DANIEL SMITH Director



November 30, 2020

Ms. Amy Euliss, Environmental Officer NCDOT Division 9 375 Silas Creek Parkway Winston Salem, NC 27127

Subject: Modification to 401 Water Quality Certification (WQC004131) pursuant to Section 401 of the Federal Clean Water Act with ADDITIONAL CONDITIONS for the Winston Salem Northern Beltway from US 52 to US 311 (New Walkertown Road) in Forsyth County. Federal Aid Project No. NHP-0074(213), TIP Nos. U-2579 D, E & F. This will be NCDWR Project No. 19980260 (version 6). U-2579 D, E and F is a Section of the overall Winston Salem Northern Beltway that includes the following projects: Northern Beltway from I-40 to US 52 (TIP Nos. R-2247B Phase 2, CA, CB, CD, D, EA, EB, and EC), from US 52 to US 311 north (U-2579C Phase 2, D, E, and F) and from I-40 Business to US 311 south (U-2579AA and AB).

Dear Ms. Euliss:

Attached hereto is a copy of modified Certification No. WQC004131 for TIP U-2579 D, E & F (v6) issued to The North Carolina Department of Transportation (NCDOT) dated November 30, 2020.

For reference, WQC004131 was initially issued on November 14, 2017, revised on November 27, 2017, December 21, 2017 and again on February 7, 2019. Revised version 4 (modification for TIP R-2247EB) was issued on August 13, 2019. Modification 5 (for U-2579 D, E & F) was dated November 14, 2019.

If we can be of further assistance, do not hesitate to contact us.

Sincesched by: amy Chapman

S.ºDaniel Shiith, Director Division of Water Resources

Electronic copy only distribution:

Eric Alsmeyer, US Army Corps of Engineers, Raleigh Field Office Bill Barrett, NC Department of Transportation Amanetta Somerville, US Environmental Protection Agency Janet Mizzi, US Fish and Wildlife Service Marla Chambers, NC Wildlife Resources Commission File Copy



#### 401 Water Quality Certification Pursuant to Section 401 of the Federal Clean Water Act with ADDITIONAL CONDITIONS

**THIS CERTIFICATION** is issued in conformity with the requirements of Section 401 Public Laws 92-500 and 95-217 of the United States and subject to the North Carolina Division of Water Resources (NCDWR) Regulations in 15 NCAC 2H .0500. This certification authorizes the NCDOT to impact an additional 31 linear feet of permanent impacts and 20 linear feet of temporary impacts to jurisdictional streams in Forsyth County. The project shall be constructed pursuant to the modification application dated November 4, 2020. The authorized impacts are as described below:

New Stream			nt Impacts ar ft)	Temporary Impacts (linear ft)	Additional Stream Impacts Requiring Mitigation		
Site	Designation	Fill	Bank Stabilization	Dewater	(linear ft)		
18A	Intermittent	24	7	20	-		

Table 1.	Modifications to	Stream Impacts	in the Yadkin	Pee Dee River Basin	, R-2579 D, E, and F.
T COLC TO	THO CHINE WELOW DO	Sei entin Impreets		I ee Dee Inter Dubin	,

#### Total Impacts for this Modification: 51 linear feet

The modification application provides adequate assurance that the discharge of fill material into the waters of the Yadkin Pee Dee River Basin in conjunction with the proposed development will not result in a violation of applicable Water Quality Standards and discharge guidelines. Therefore, the State of North Carolina certifies that this activity will not violate the applicable portions of Sections 301, 302, 303, 306, 307 of PL 92-500 and PL 95-217 if conducted in accordance with the application and conditions hereinafter set forth.

This approval is only valid for the purpose and design that you submitted in your application for a modification dated November 4, 2020. All the authorized activities and conditions associated with the phased permit Water Quality Certification issued on November 14, 2017 (revised on November 27, 2017, on December 21, 2017, on February 7, 2019, on August 13, 2019 and again on November 14, 2019) still apply except where superseded by this Certification.

Should your project change, you are required to notify NCDWR and submit a new application. If the property is sold, the new owner must be given a copy of this Certification and approval letter and is thereby responsible for complying with all the conditions. If any additional wetland impacts, or perennial stream impacts, for this project (now or in the future) exceed one acre or 300 linear feet, respectively, additional compensatory mitigation may be required as described in 15A NCAC 2H .0506 (h) (6) and (7). For this approval to remain valid, you are required to comply with all the conditions listed below. In addition, you should obtain all other federal, state or local permits before proceeding with your project including (but not limited to) Sediment and Erosion control, Coastal Stormwater, Non-discharge and Water Supply watershed regulations. This Certification shall expire on the same day as the expiration date of the corresponding Corps of Engineers Permit.

#### **Condition(s) of Certification**

1. This approval is only valid for the purpose and design that you submitted in your application for a modification dated November 4, 2020. All the authorized activities and conditions associated with the phased permit Water Quality Certification issued on November 14, 2017 (revised on November 27, 2017, December 21, 2017, February 7, 2019, on August 13, 2019 and November 14, 2019) still apply except where superseded by this certification.

2. Revised drawings for Site 26 were also included as part of this modification application and approved herewith. No new impacts resulted from the revisions.

Violations of any condition herein set forth may result in revocation of this Certification and may result in criminal and/or civil penalties. This Certification shall become null and void unless the above conditions are made conditions of the Federal 404 and/or Coastal Area Management Act Permit. This Certification shall expire upon the expiration of the 404 or CAMA permit.

If you wish to contest any statement in the attached Certification you must file a petition for an administrative hearing. You may obtain the petition form from the office of Administrative hearings. You must file the petition with the office of Administrative Hearings within sixty (60) days of receipt of this notice. A petition is considered filed when it is received in the office of Administrative Hearings during normal office hours. The Office of Administrative Hearings accepts filings Monday through Friday between the hours of 8:00am and 5:00pm, except for official state holidays. The original and one (1) copy of the petition must be filed with the Office of Administrative Hearings.

The petition may be faxed-provided that the original and one copy of the document is received by the Office of Administrative Hearings within five (5) business days following the faxed transmission. The mailing address for the Office of Administrative Hearings is:

Office of Administrative Hearings 6714 Mail Service Center Raleigh, NC 27699-6714 Telephone: (919) 431-3000, Facsimile: (919) 431-3100

A copy of the petition must also be served on DEQ as follows:

Mr. Bill F. Lane, General Counsel Department of Environmental Quality 1601 Mail Service Center

This the 30th day of November 2020

DIVISION OF WATER RESOURCES

DocuSigned by: Omy Chapman 9C9886312DCD474... S. Daniel Smith, Director

WQC No. 004131

	1710
DocuSign Envelope ID: CE3DD207-B9D1-4592-B3C7-5A2330DB	

ROY COOPER Governor MICHAEL S. REGAN Secretary S. DANIEL SMITH Director	NORTH CAROLINA Environmental Quality
NCDWR Project No.:	County:
Applicant	:
Project Na	nme:
Date of Iss	suance of 401 Water Quality Certification:
any subsequent modifications, the Unit, North Carolina Division of	roved within the 401 Water Quality Certification or applicable Buffer Rules, and applicant is required to return this certificate to the 401 Transportation Permitting Water Resources, 1617 Mail Service Center, Raleigh, NC, 27699-1617. This form the applicant, the applicant's authorized agent, <b>or</b> the project engineer. It is not a all of these.
Applicant's Certification	
I,	, hereby state that, to the best of my abilities, due care and diligence

was used in the observation of the construction such that the construction was observed to be built within substantial compliance and intent of the 401 Water Quality Certification and Buffer Rules, the approved plans and specifications, and other supporting materials.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Agent's Certification

I, \_\_\_\_\_, hereby state that, to the best of my abilities, due care and diligence was used in the observation of the construction such that the construction was observed to be built within substantial compliance and intent of the 401 Water Quality Certification and Buffer Rules, the approved plans and specifications, and other supporting materials.

Signature:

Date:

**Engineer's Certification** 

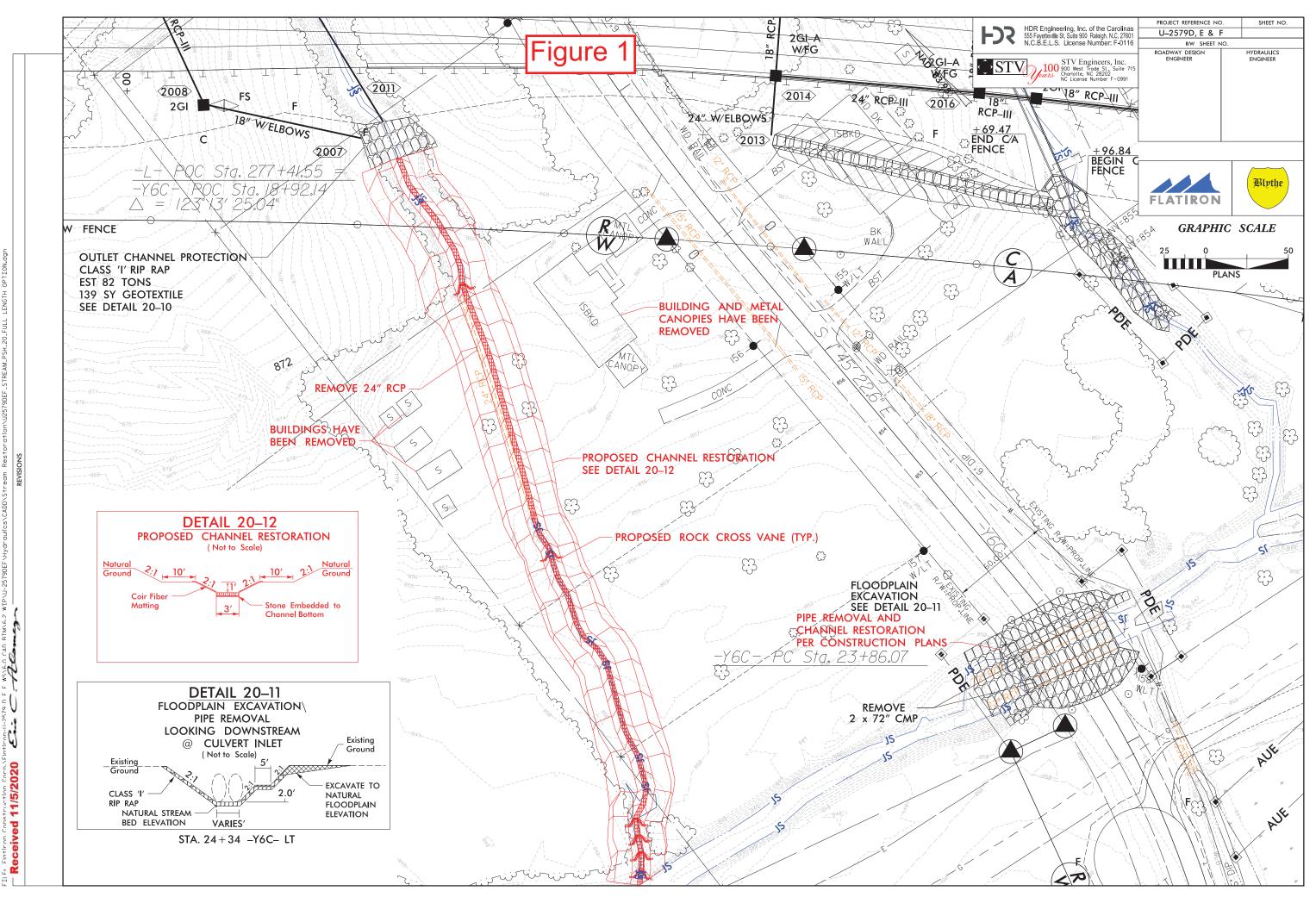
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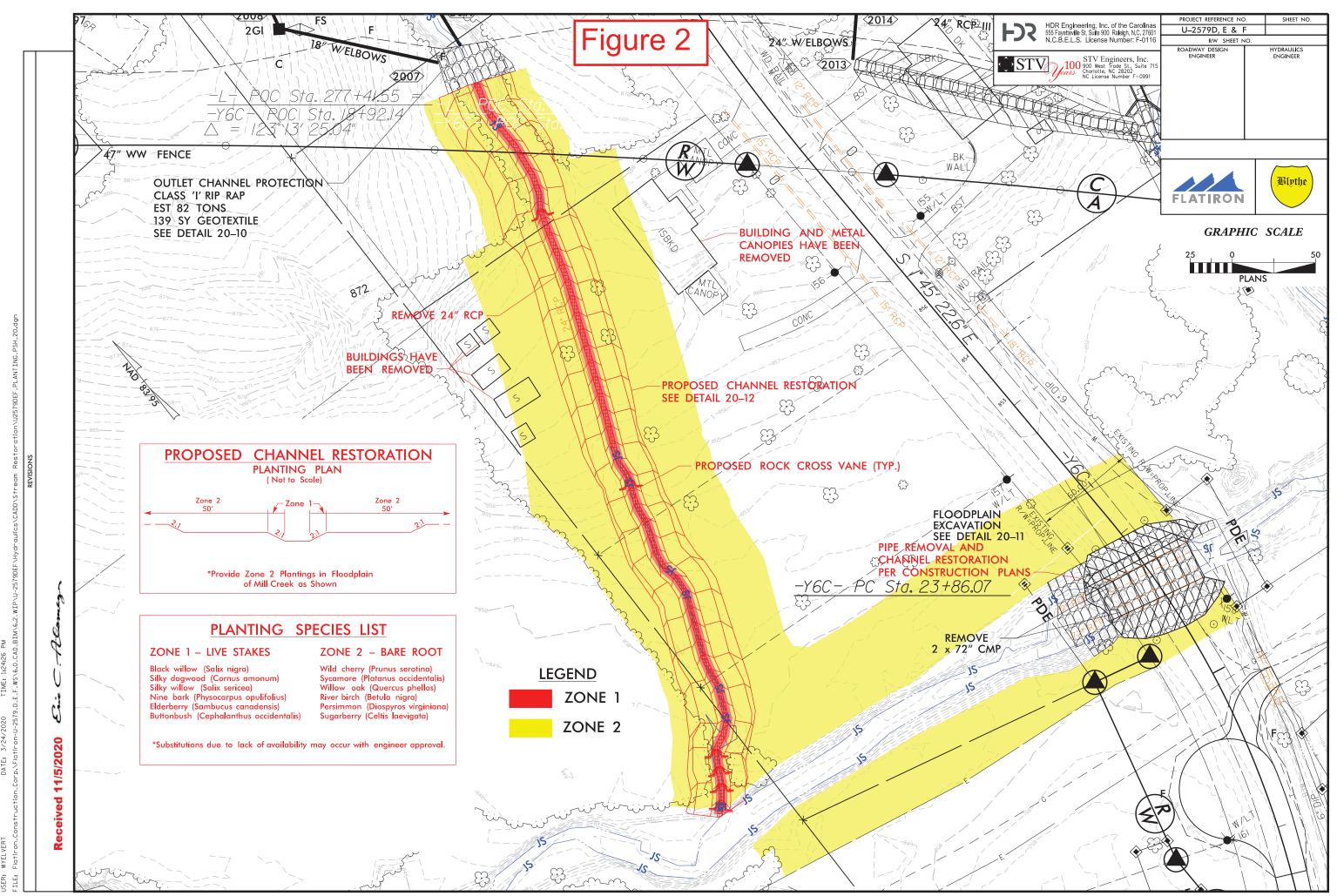
, as a duly registered Professional Engineer in the State of North I, Carolina, having been authorized to observe (periodically, weekly, full time) the construction of the project for the Permittee hereby state that, to the best of my abilities, due care and diligence was used in the observation of the construction such that the construction was observed to be built within substantial compliance and intent of the 401 Water Quality Certification and Buffer Rules, the approved plans and specifications, and other supporting materials.

Signature	Registration No.	
Date		

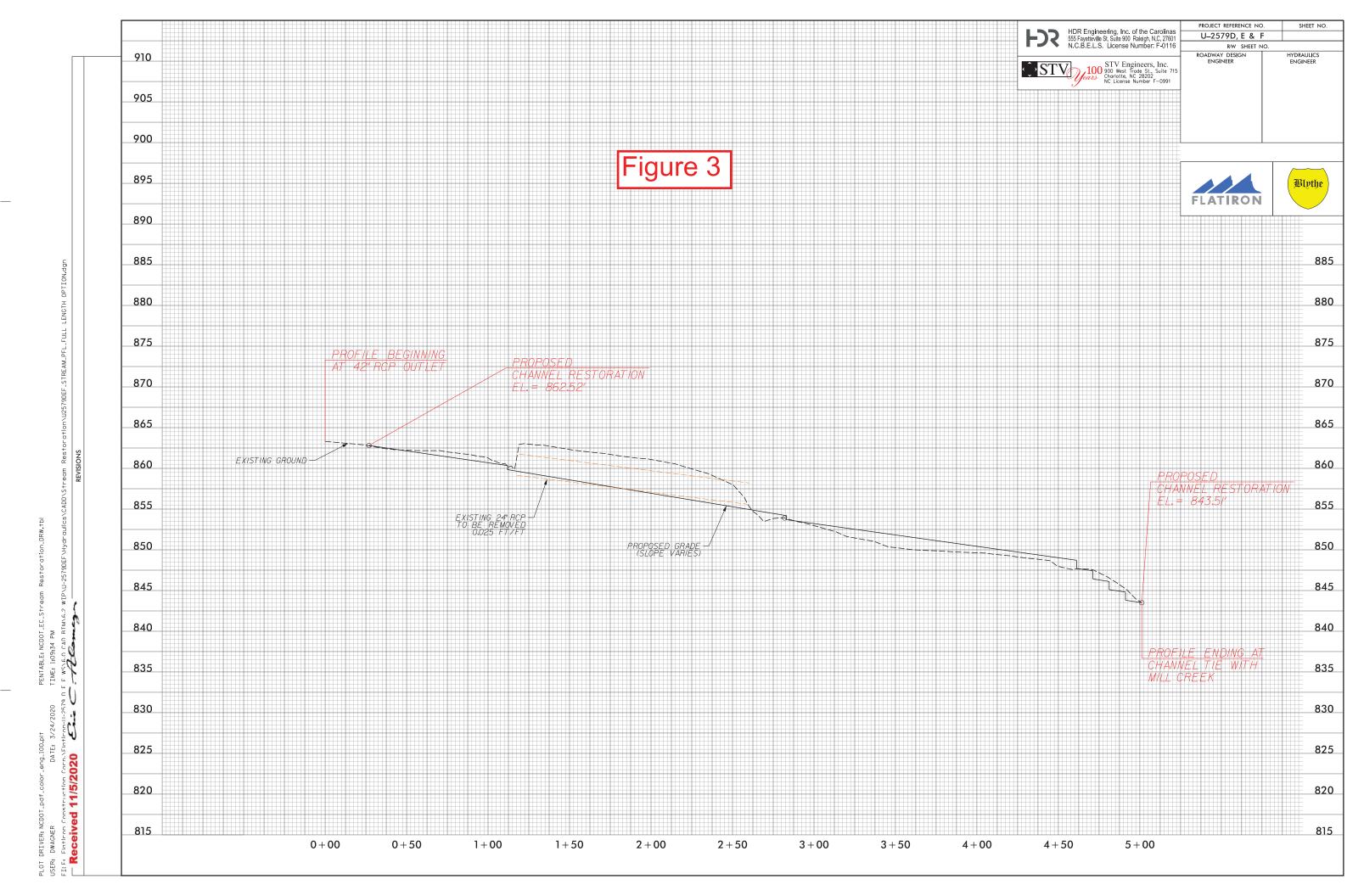


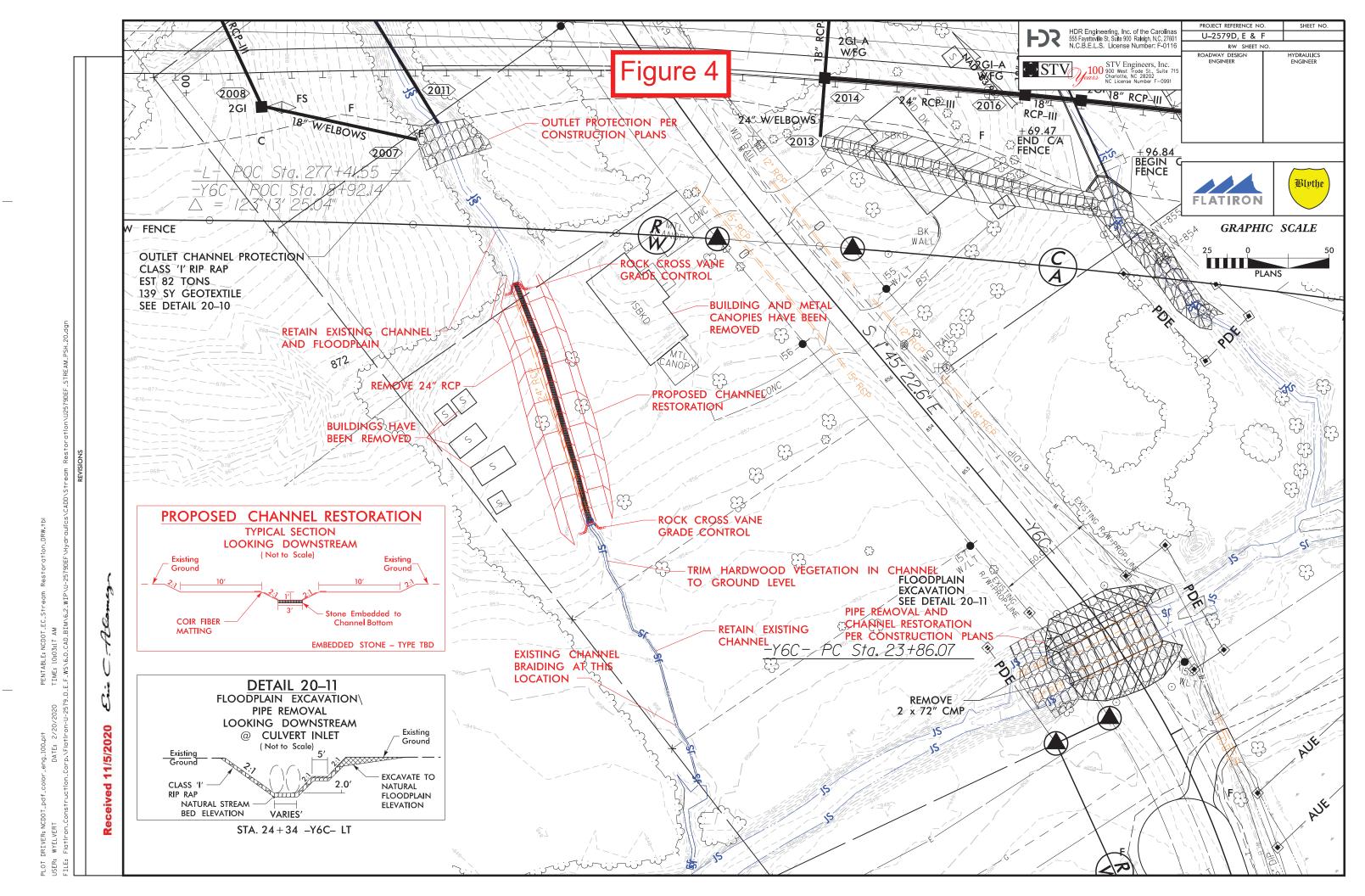
North Carolina Department of Environmental Quality | Division of Water Resources 512 North Salisbury Street | 1617 Mail Service Center | Raleigh, North Carolina 27699-1617 919.707.9000

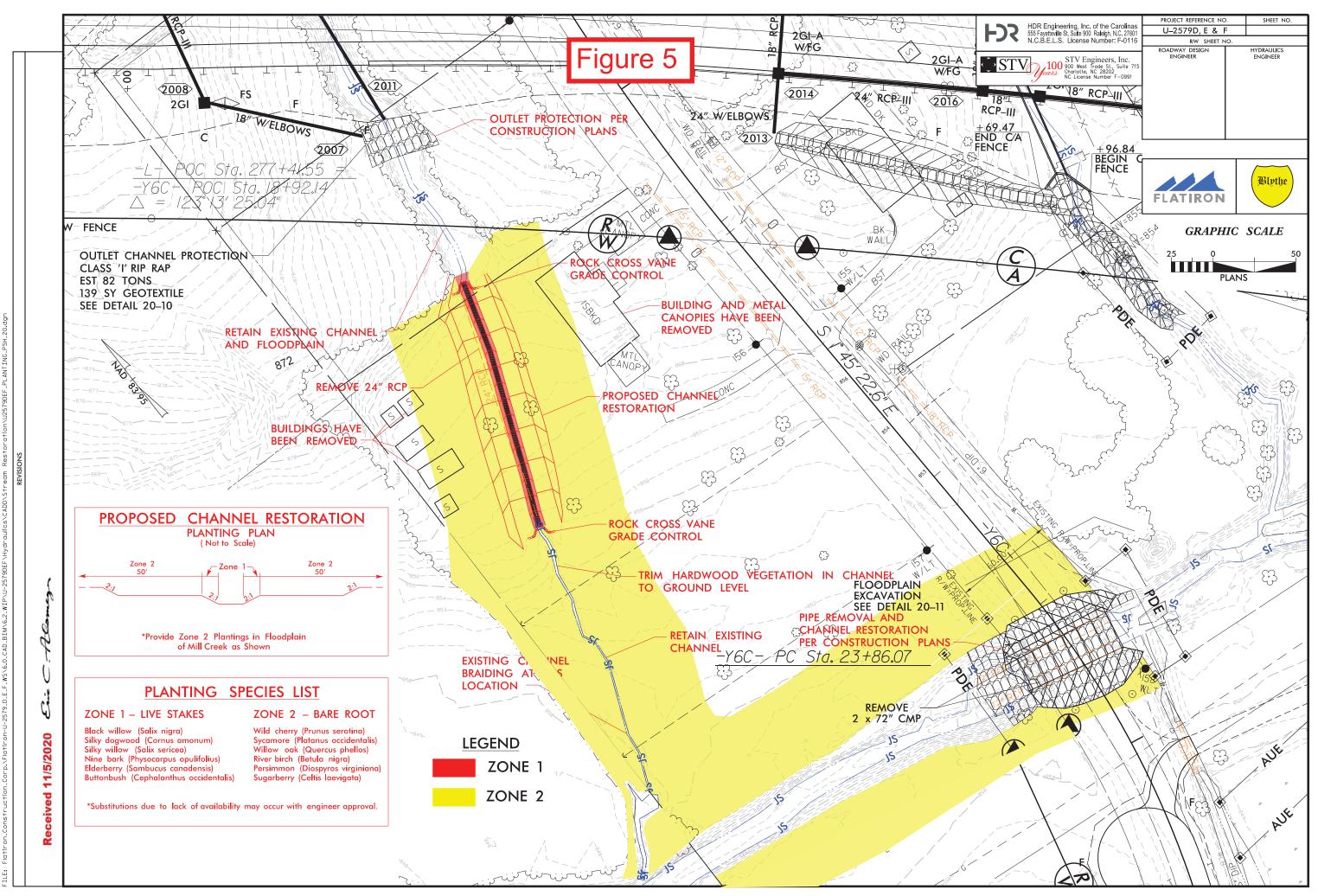


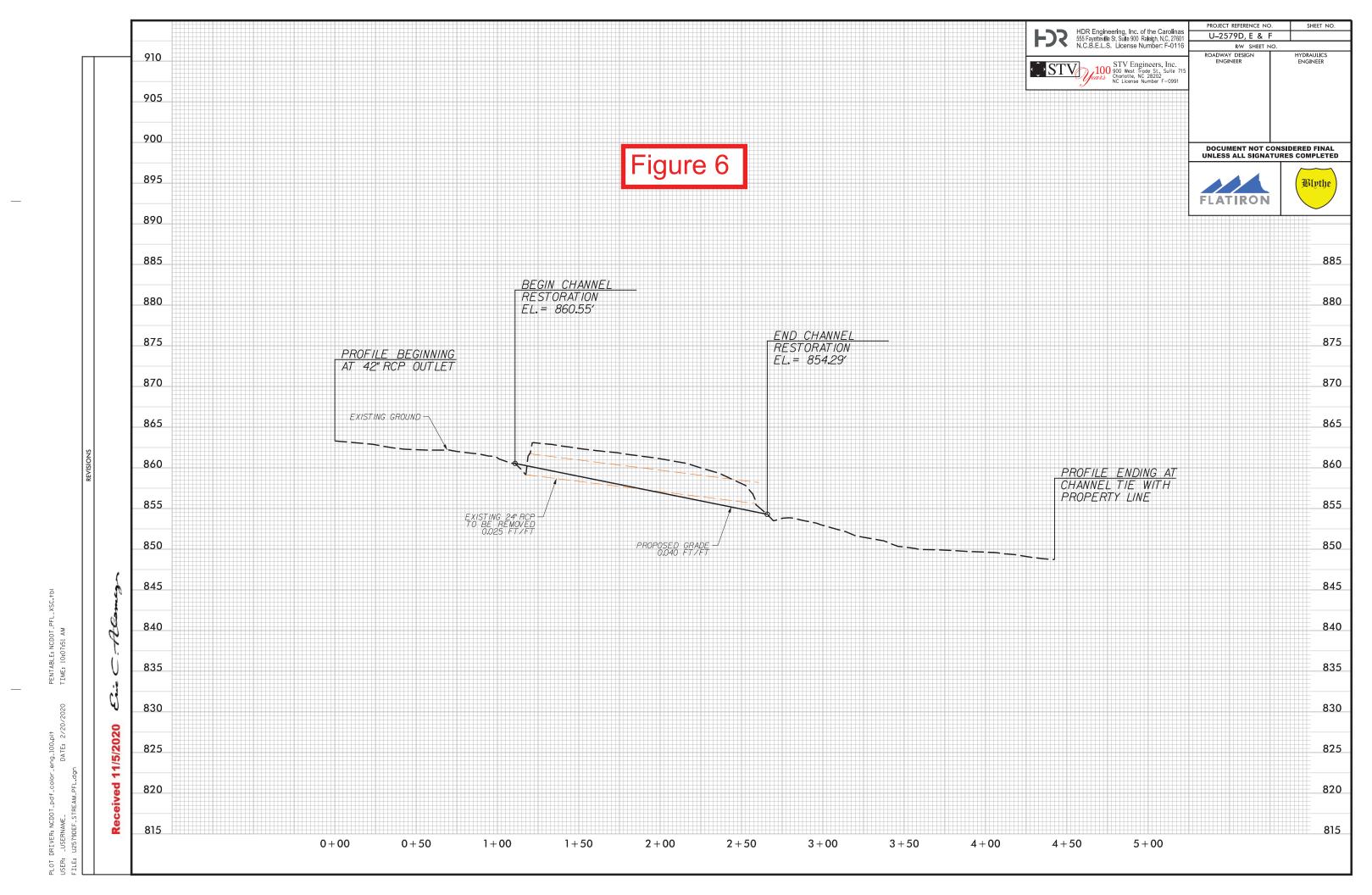


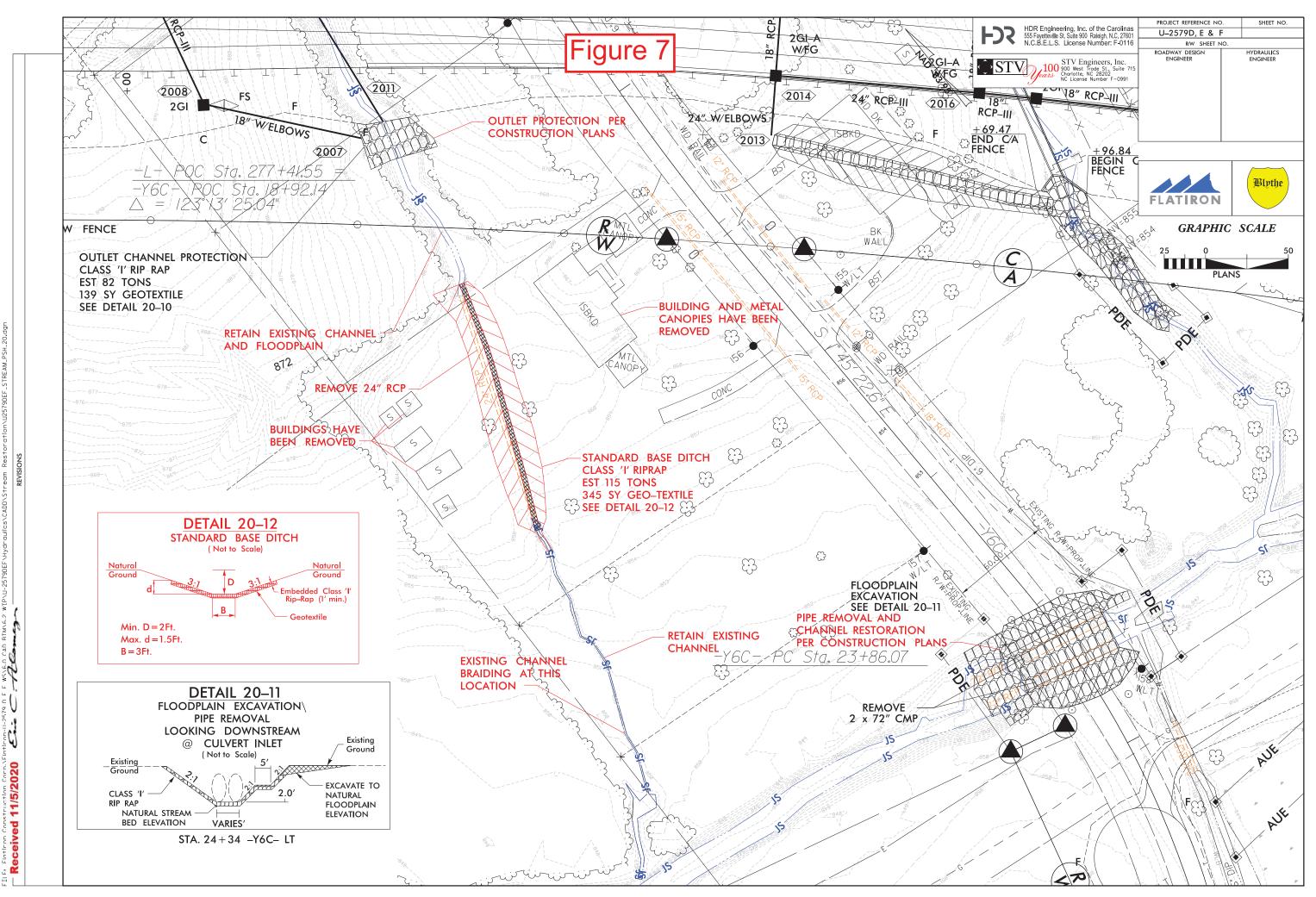
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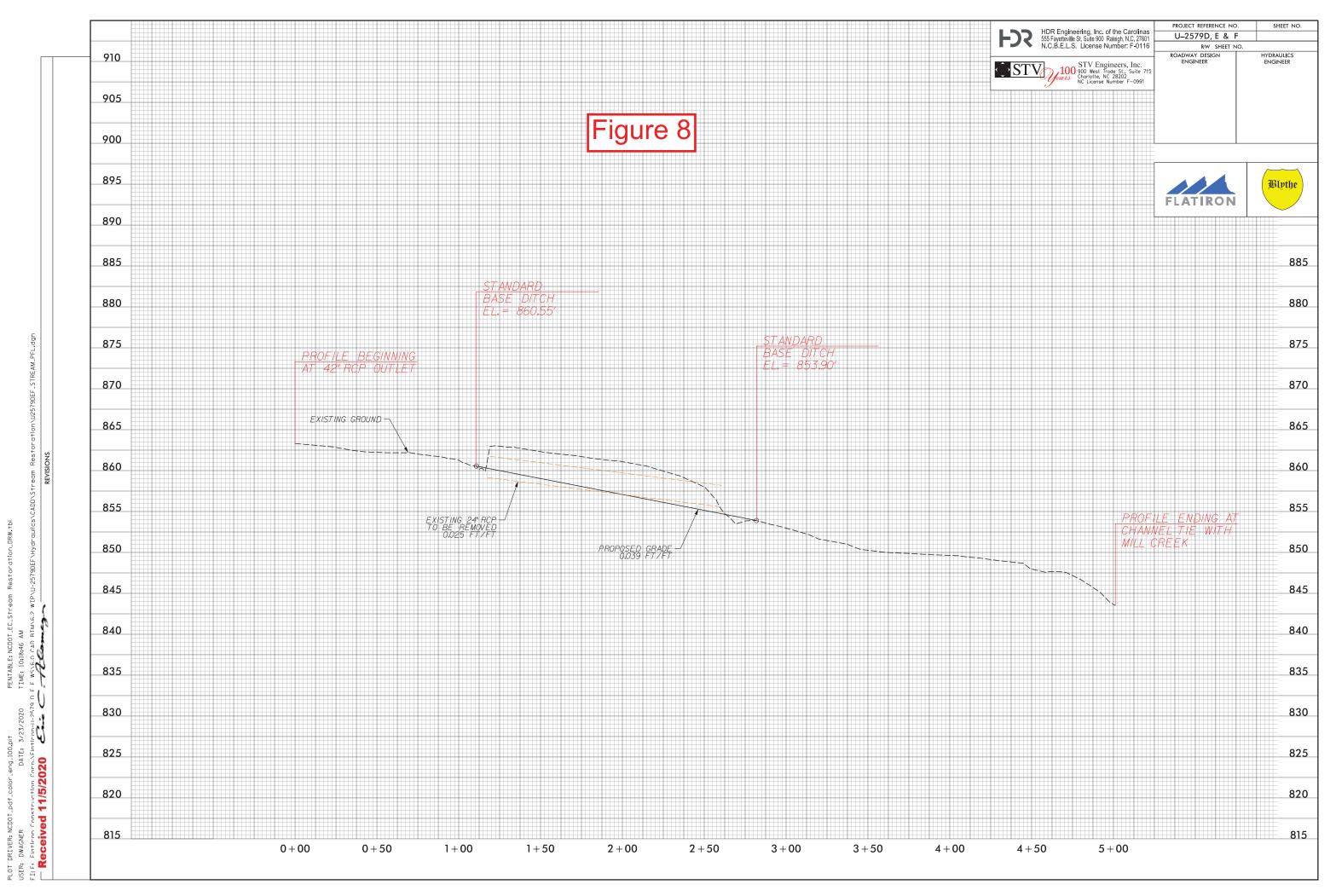


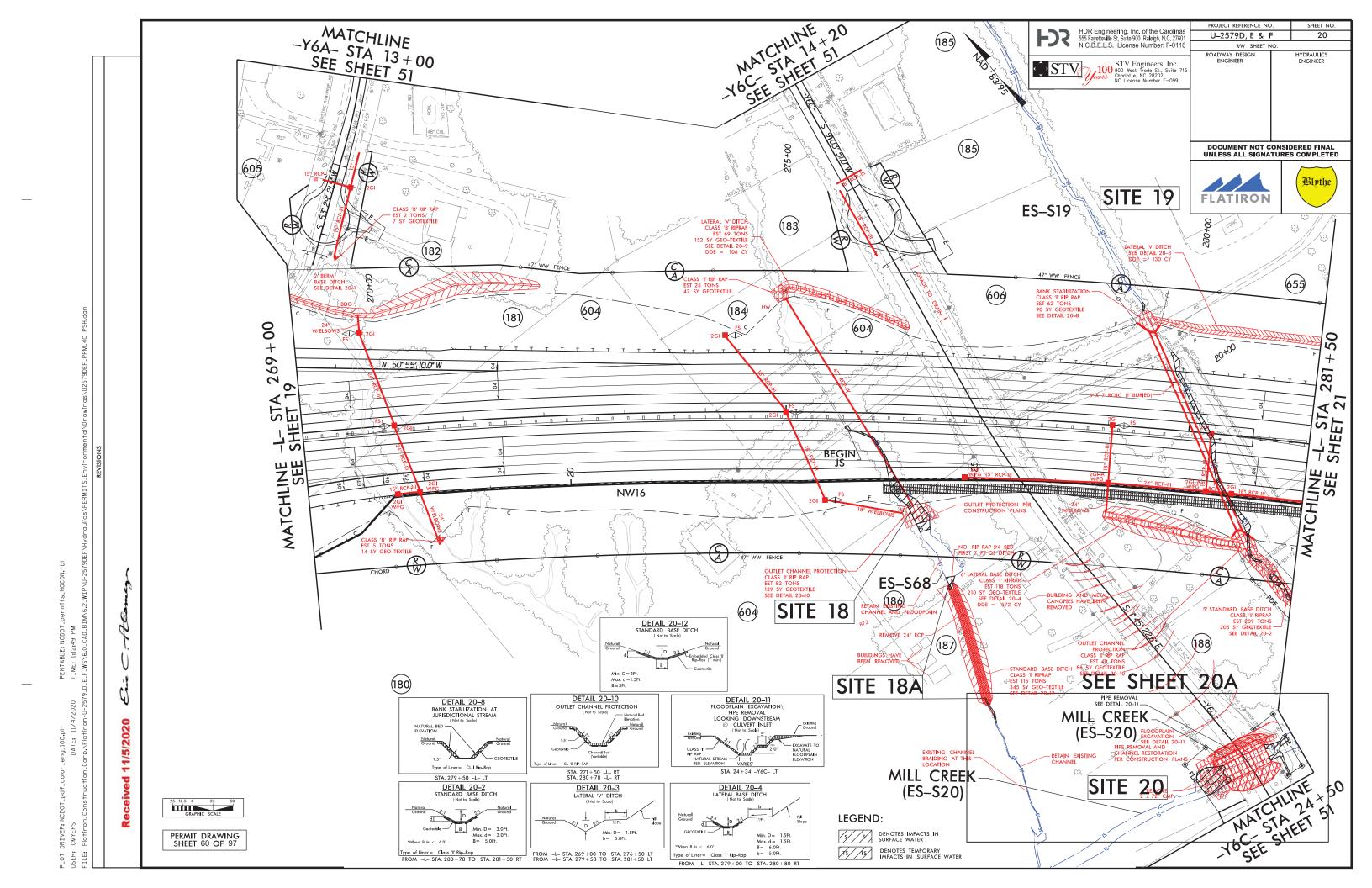


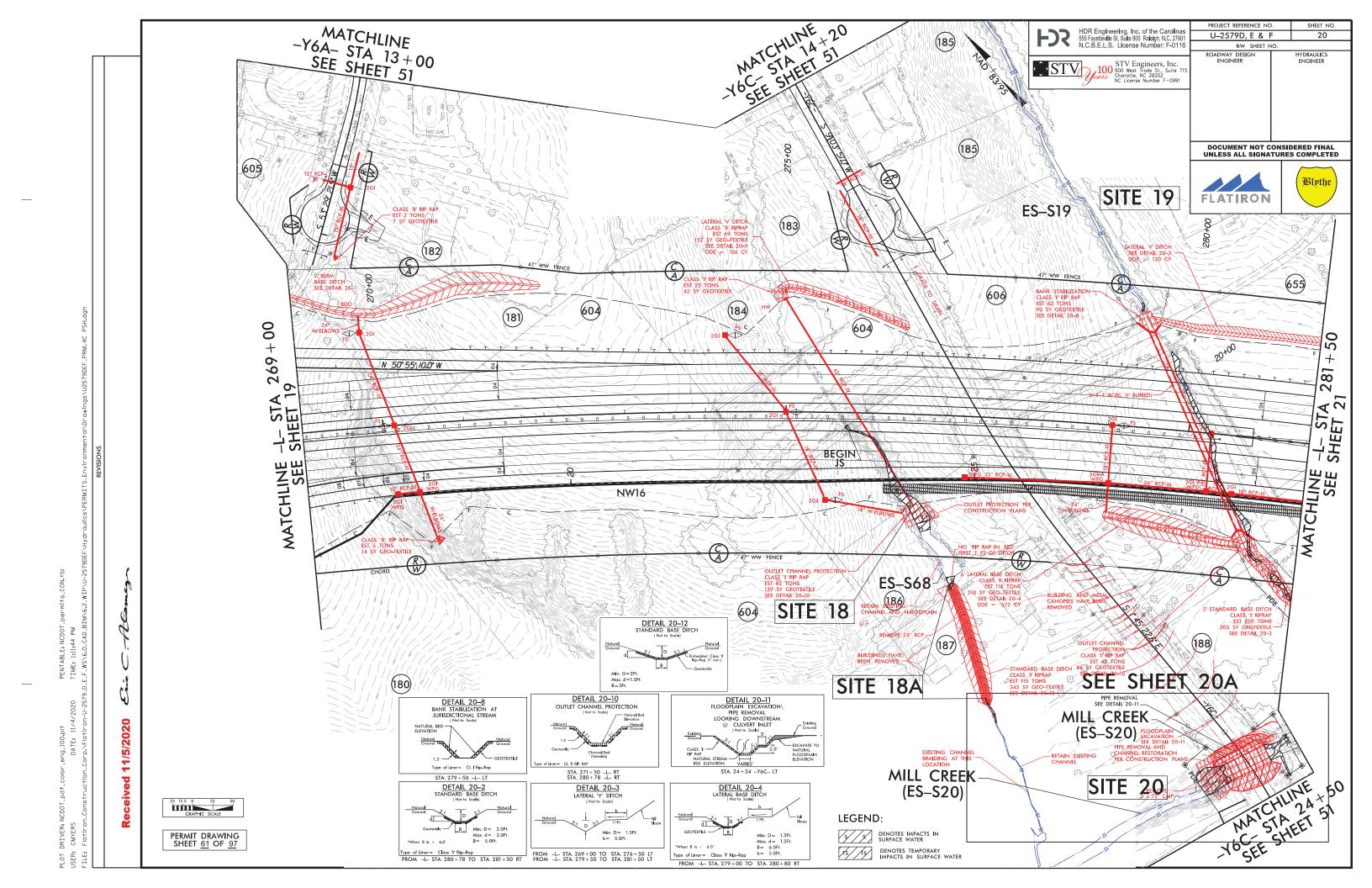


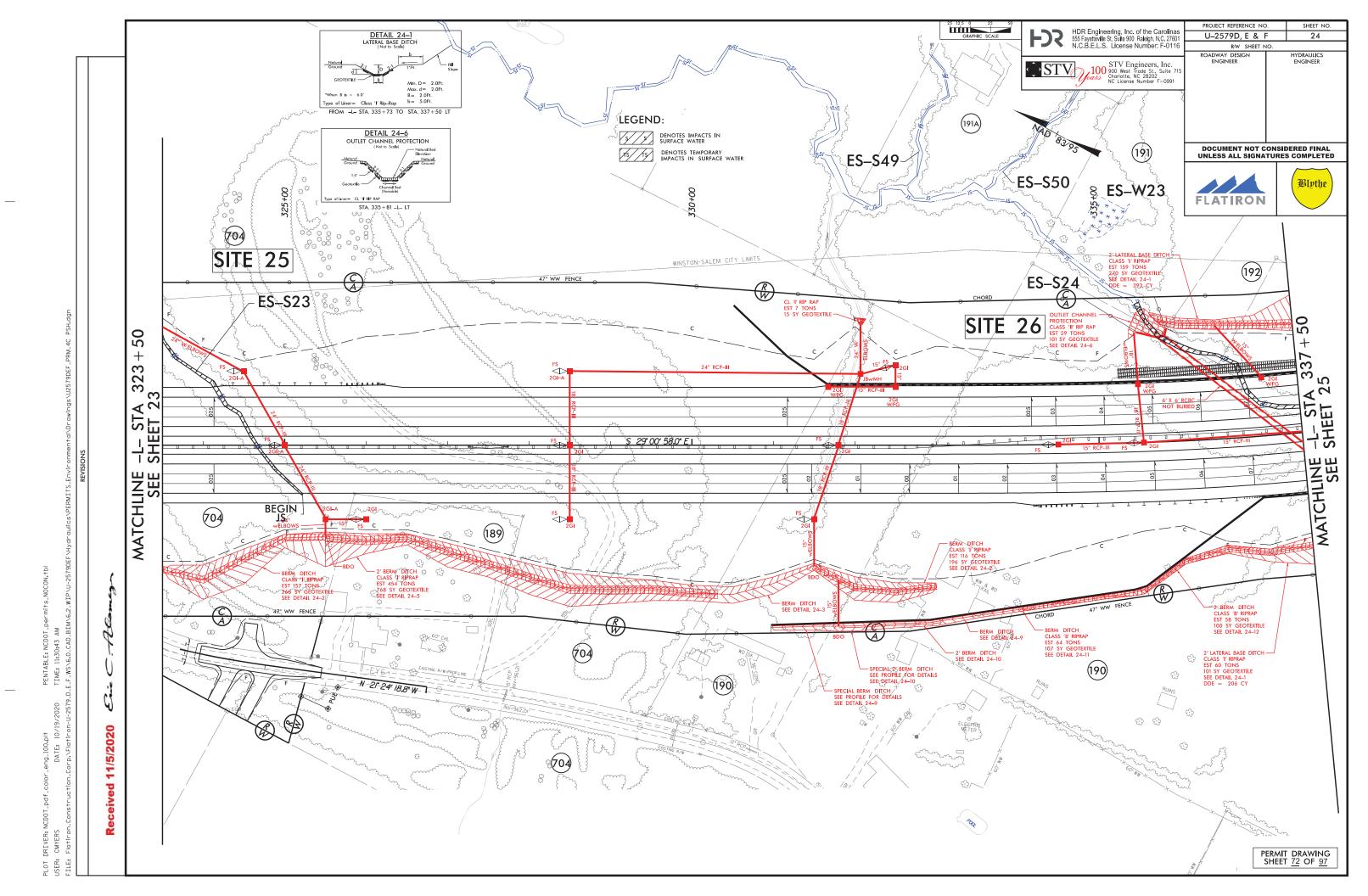


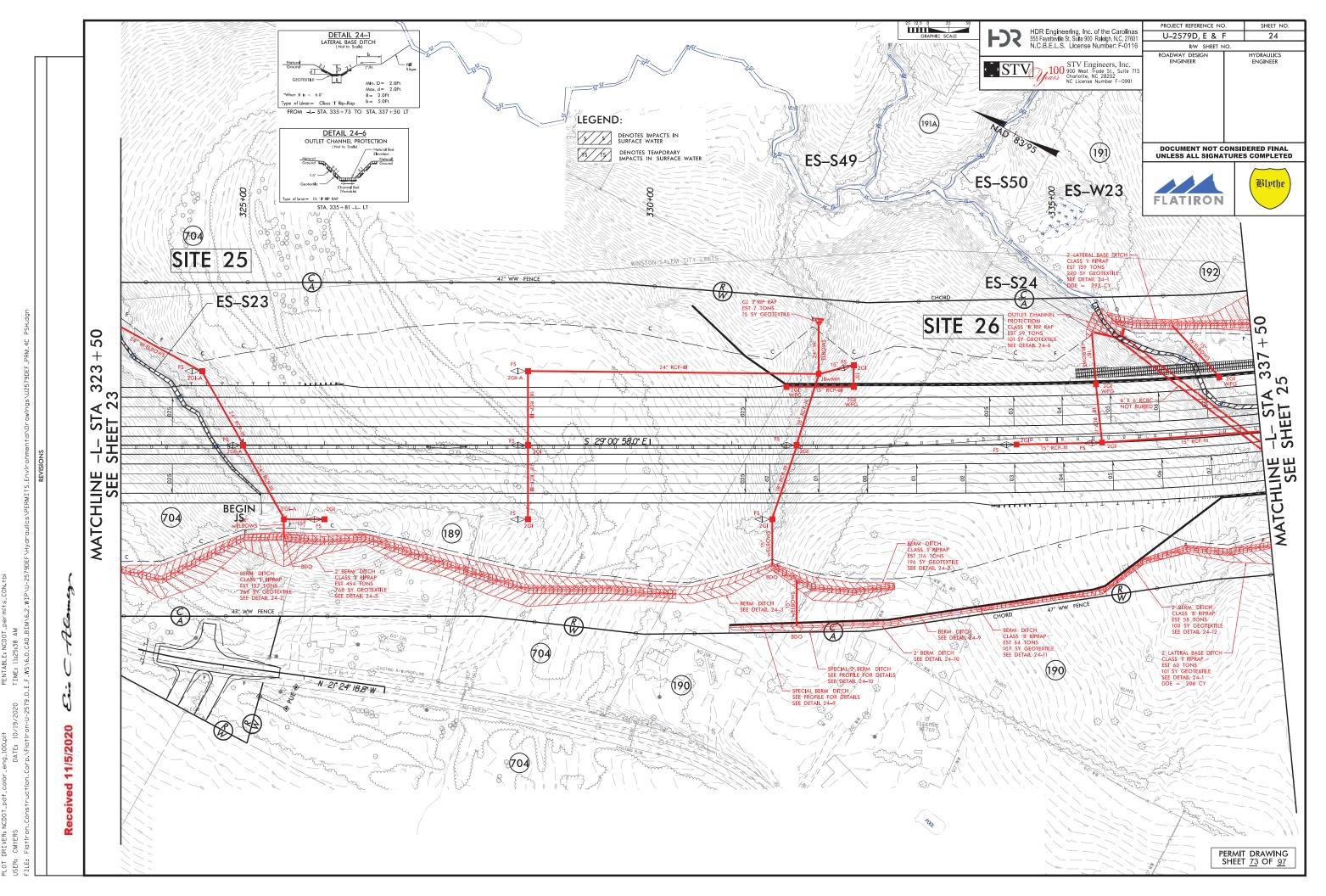




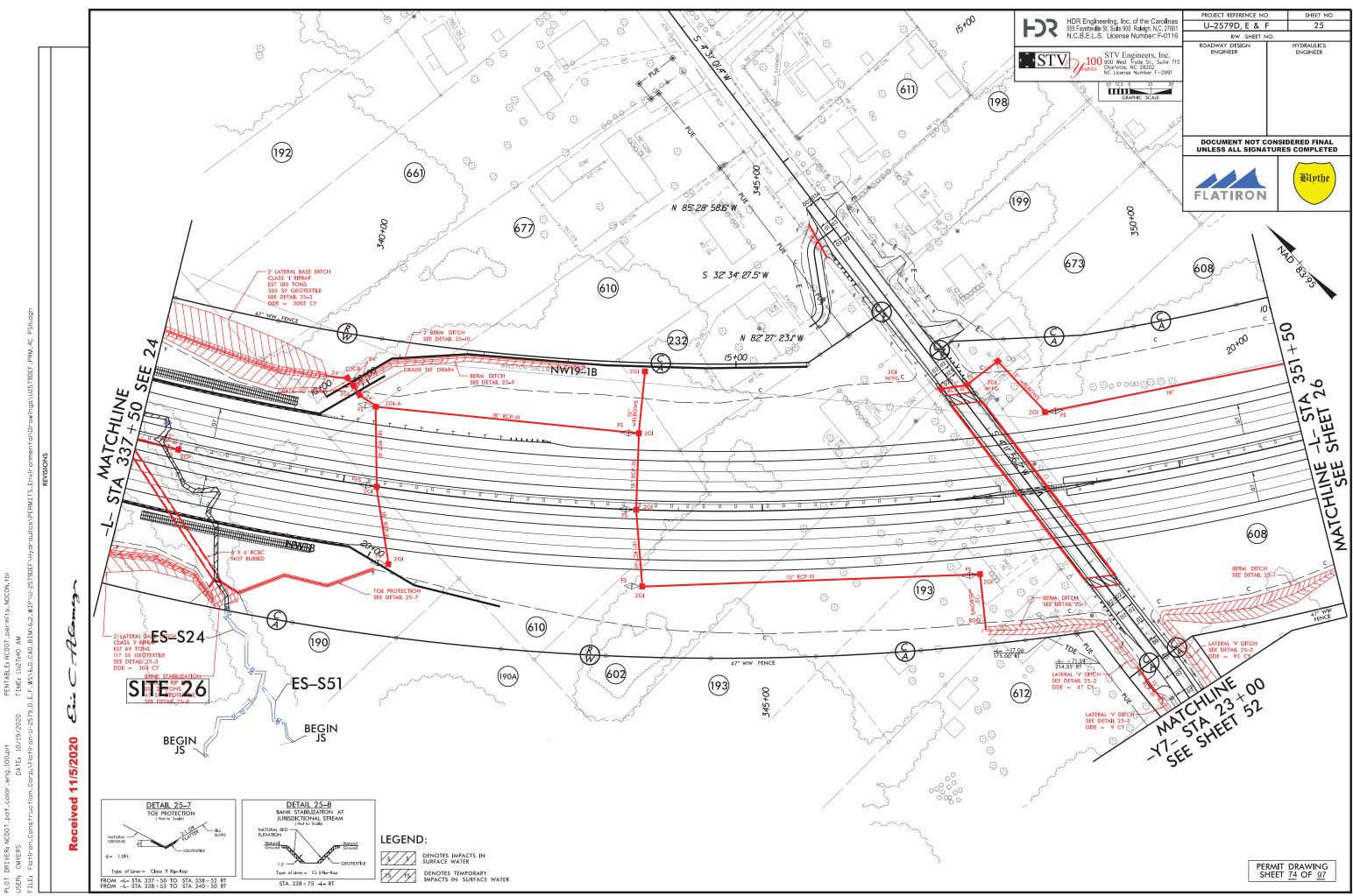






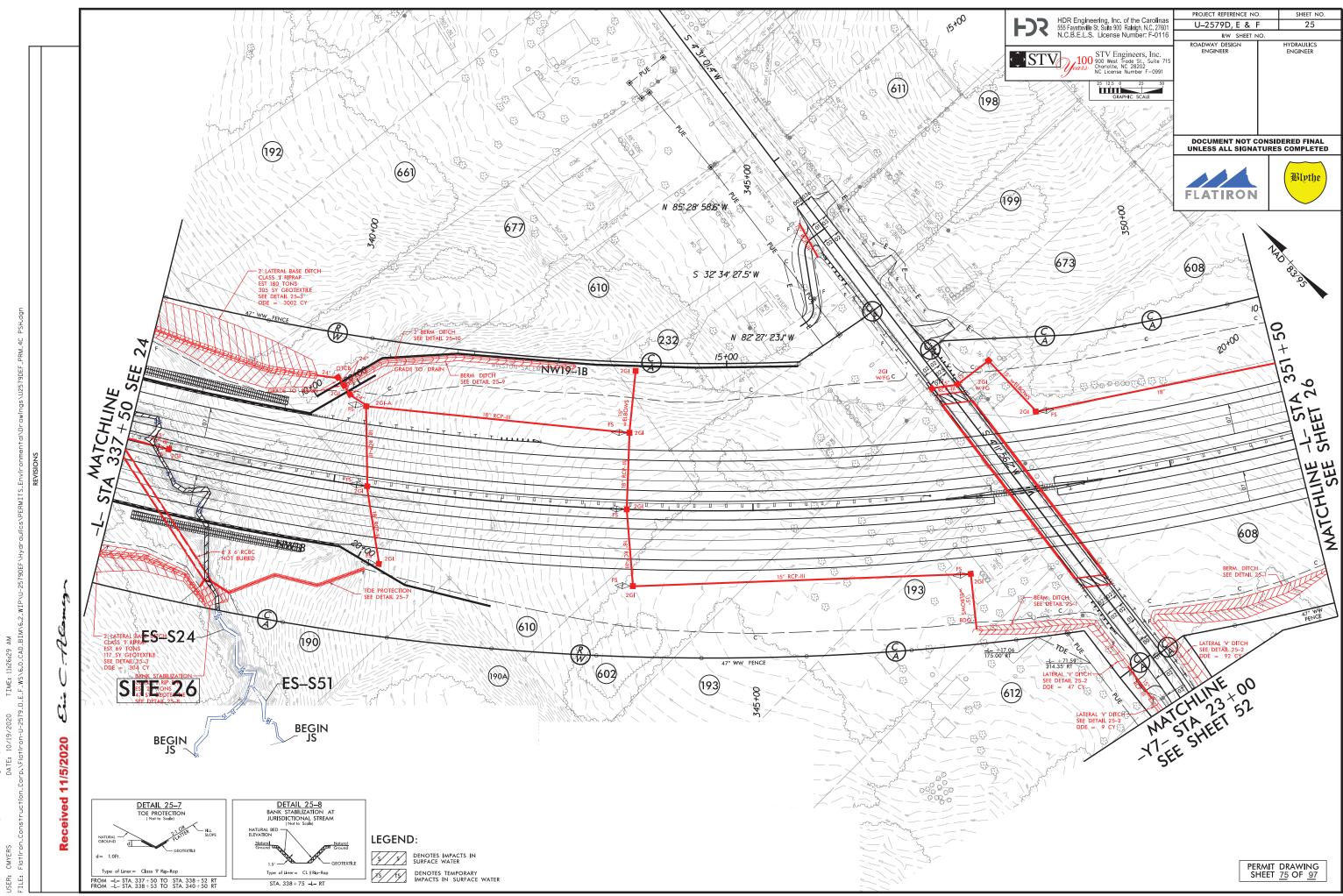


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					WETLAND	PERMIT IMF	PACT SUM	IMARY				
				WE	FLAND IMPA	CTS			SURFA	CE WATER IN	IPACTS	
		<b>2</b>	Permanent	Temp.		Mechanized	Hand Clearing	Permanent	Temp.	Existing Channel	Existing Channel	Natural
Site No.	Station (From/To)	Structure Size / Type	Fill In Wetlands (ac)	Fill In Wetlands (ac)	in Wetlands (ac)	Clearing in Wetlands (ac)	in Wetlands (ac)	SW impacts (ac)	SW impacts (ac)	Impacts Permanent (ft)	Impacts Temp. (ft)	Stream Design (ft)
11	173+80 -L-	48" RCP						0.04	· · ·	615	· · ·	
11A**	174+23 -L- RT	48" RCP	0.08									
12	203+75 - 207+10 -L- RT	ROADWAY FILL						0.02	< 0.01	410	10	
12A	205+69 -L- RT	FILL IN WETLAND	0.08									
13	207+24 -L-	5x6 CULVERT						0.03	< 0.01	337	22	
13A	209+14 -L- LT	4' BASE DITCH				< 0.01						
14	222+50 - 223+56 -L- RT	48" RCP						0.01	< 0.01	220	11	
14A	222+65 -L- LT	POND						3.06				
15	242+86/244+20 -L-	5'x6' RCBC						0.05	< 0.01	520	15	
15A	243+60/244+00 -L-	5'x6' RCBC	0.04									
16	253+92/255+58 -L-	42" RCP AND DITCH						0.05	< 0.01	513	20	
17	261+02/262+96 -L-	6'x6' RCBC						0.08	< 0.01	928	23	
18	275+75/276+78 -L-	42" RCP						0.03	< 0.01	161	11	
18A	277+00 RT -L-	PIPE REMOVAL AND DITCH						< 0.01	< 0.01	24	20	
18A	277+00 RT -L-	BANK STABILIZATION						< 0.01		7		
19	279+30/280+86 -L-	5'x7' RCBC						0.04	< 0.01	250	11	
19	280+86/281+71 -L-	5' STANDARD BASE DITCH						< 0.01	< 0.01	91	15	
20	280+61/281+66 -L-	REMOVE 2 - 72" CMP						0.02	< 0.01	35	31	
20A	285+56/285+81 -L-	BANK STABILIZATION						< 0.01	< 0.01	16	21	
20B	285+56/285+81 -L-	BANK STABILIZATION						< 0.01	< 0.01	20	21	
20C	284+44/285+33 -L-	TEMPORARY WORK PAD							0.06		165	
21	285+19/285+65 -L-	CHANNEL CHANGE						< 0.01		133		
21	285+19 -L-	BANK STABILIZATION						< 0.01	< 0.01	10	10	
22	303+57/304+09 -L-	30" RCP/ 36" RCP						< 0.01	< 0.01	97	7	
TOTALS	SHEET 2*:		0.20			< 0.01		3.47	0.09	4387	413	0

\*Rounded totals are sum of actual impacts

NOTES:

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Aco

5:0

Received 11/5/2020

-\*\*Wetland ES-W33 is total take -Site 24 is a Channel Relocation

NC DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS 11/03/2020 FORSYTH U-2579D, E & F 34839.3.GV7 OF

				14/1								
					E I LAND PI TLAND IMPA				SURFA	CE WATER IM	PACTS	
						Hand		0011171	Existing	Existing		
			Permanent	Temp.	Excavation	Mechanized	Clearing	Permanent	Temp.	Channel	Channel	Natural
Site	Station	Structure	Fill In	Fill In	in	Clearing	in	SW	SW	Impacts	Impacts	Stream
No.	(From/To)	Size / Type	Wetlands	Wetlands		in Wetlands	Wetlands	impacts	impacts	Permanent	Temp.	Design
	, , , , , , , , , , , , , , , , , , ,		(ac)	(ac)	(ac)	(ac)	(ac)	(ac)	(ac)	(ft)	(ft)	(ft)
23	316+25/317+41 -L-	6'x6' RCBC						0.04		363		
23	317+40/317+49 -L-	BANK STABILIZATION						< 0.01	< 0.01	28	10	
24	316+84/317+01 -L-	CHANNEL CHANGE						< 0.01	< 0.01	120	10	
25	323+23/325+22 -L-	24" RCP						0.02	< 0.01	294	10	
26	335+66/338+74 -L-	6'x6' RCBC						0.05	< 0.01	523	10	
26	338+82 -L-	BANK STABILIZATION						< 0.01	< 0.01	29	8	
27	356+07/357+64 -L-	7'x7' RCBC						0.05		328		
27	356+07 -L- LT	BANK STABILIZATION						< 0.01	< 0.01	35	8	
27	357+63 -L- RT	BANK STABILIZATION						< 0.01	< 0.01	37	12	
28**	397+37/400+85 -L-	ROADWAY FILL	0.26									
29**	398+61/405+73 -L-	ROADWAY FILL / 5' BASE DITCH						0.06		906		
29**	398+61/405+73 -L-	BANK STABILIZATION						< 0.01	< 0.01	40	10	
29A**	401+96 -L-	ROADWAY FILL	< 0.01									
29B**	402+33/405+59 -L-	ROADWAY FILL / 5' BASE DITCH	0.26		0.03	0.01						
30***	409+52/411+61 -L-	54" RCP						0.05	< 0.01	563	14	
30***	409+53 -L-	BANK STABILIZATION						< 0.01	< 0.01	15	10	
31	49+59 - 50+28 -Y3- LT	2' BASE DITCH						< 0.01		57		
32	35+68/37+32 -Y6-	BANK STABILIZATION						0.03	< 0.01	172	19	
33	173+50 -L- LT	CHANNEL IMPROVEMENT TIE-IN						< 0.01	< 0.01	20	21	
34	357+38/357+49 -L-	BANK STABILIZATION						< 0.01	< 0.01	24	11	
0		TOTAL SHEET 1	0.87		< 0.01	0.01		0.49	< 0.01	5694	49	
		TOTAL SHEET 2	0.20			< 0.01		3.47	0.09	4387	413	
		TOTAL SHEET 3	0.53		0.03	0.01		0.34	0.02	3554	153	
TOTALS A	ALL SHEETS*:		1.60	0.00	0.03	0.03	0.00	4.31	0.11	13635	615	

\*Rounded totals are sum of actual impacts

\*\* SITE 28, 29, 29A, AND 29B - SITE 1 IN U-2579C PHASE 2 PERMIT \*\*\* SITE 30 - SITE 2 IN U-2579C PHASE 2 PERMIT

NOTES - ISOLAT - SITE 24

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- ISOLATED WETLANDS SITE

- SITE 24 IS A CHANNEL RELOCATION

NC DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS 11/03/2020 FORSYTH U-2579D, E & F 34839.3.GV7 SHEET 97 OF 97

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