



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

J. ERIC BOYETTE
SECRETARY

February 28, 2023

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

ATTN: Mr. Eric Alsmeyer, NCDOT Regulatory Coordinator

Subject: **Request for Modification to Individual Section 404 Permit and Section 401 Water Quality Certification** for recently modified U-2579 AB (USACE, dated February 10, 2021; WQC Rev. 7, dated February 9, 2021), and for the Winston-Salem Northern Beltway (Eastern Section of Future I-74), from US 311 to I-40; U-2579AA; Federal Aid Project No. NHF-0918(14), Division 9. Debit \$570 from WBS No. 34839.1.7

References: **Section 404 and 401 Individual Permit Application** requested October 2, 2017, for Winston Salem Northern Beltway from I-40 to US 52 (R-2247B Phase 2, CA, CB, CD, D, EA, EB, and EC), from US 52 to US 311 North (U-2579C Phase 2, D, D, and F), and from I-40 Business to US 311 South (U-2579AA and AB).
- Modification Application for U-2579D, E, F / U-2579C Phase 2, dated January 7, 2019.
- Modification Application for R-2247EB, dated June 26, 2019.
- Modification Application for U-2579D, E, and F, dated October 17, 2019.
- Modification Application for U-2579D, E, and F, dated November 4, 2020.
- Modification Application for U-2579AB, dated December 2, 2020.
- Modification Application for U-2579AB noise wall addition and U-2579AA, dated November 23, 2021

Section 404 Individual Permit issued for the Winston Salem Northern Beltway from I-40 to US 52 (R-2247B Phase 2, CA, CB, CD, D, EA, EB, and EC), from US 52 to US 311 North (U2579C Phase 2, D, D, and F), and from I-40 Business to US 311 South (U-2579AA and AB), dated January 22, 2018 (**SAW-2017-02112**).

- Permit Modification for U-2579D, E, F / U-2579C Phase 2, dated March 4, 2019.
- Permit Modification for R-2247EB, dated August 13, 2019.
- Permit Modification for U-2579D, E and F, dated January 29, 2020.
- Permit Modification for U-2579D, E, and F, dated December 9, 2020.
- Permit Modification for U-2579AB, dated February 10, 2021.
- Permit Modification for U-2579AB noise wall addition and U-2579AA, dated July 29, 2022

Mailing Address:
NC DEPARTMENT OF TRANSPORTATION
DIVISION 9
375 SILAS CREEK PARKWAY
WINSTON SALEM, NC 27127

Telephone: (336) 747-7800
Fax: (336) 703-6693
Customer Service: 1-877-368-4968

Location:
375 SILAS CREEK PARKWAY
WINSTON-SALEM, NC 27127

Website: ncdot.gov

Section 401 Water Quality Certification issued November 14, 2017 (WQC004131), for the Winston Salem Northern Beltway from I-40 to US 52 (R-2247B Phase 2, CA, CB, CD, D, EA, EB, and EC), from US 52 to US 311 North (U-2579C Phase 2, D, D, and F), and from I-40 Business to US 311 South (U-2579AA and AB); Revision 2 dated December 21, 2017; Revision 3 dated February 7, 2019; and Revision 4 dated August 13, 2019; Revision 5 dated November 14, 2019; Revision 6, dated November 30, 2020; Revision 7, dated February 9, 2021; Revision 8, dated January 10, 2022.

Dear Sir:

The purpose of this modification is to permit additional impacts associated with the installation of a sewer line. At permit site 18, there is an existing 96" CMP that runs under a driveway that is no longer in use. The driveway is on the west side of Brookbend Road and runs parallel to existing I-40. The 96" pipe will be removed, and a sewer line will be installed under the streambed where the pipe currently sits. We will need to stabilize the stream within the footprint of the existing pipe by sloping the banks back at 2:1 and armoring both the bed and banks with class I. The width of the restored channel will be approximately 8' and will match the width of the existing stream and the downstream stream relocation. The pipe removal and sewerline installation will result in 40' of permanent impacts that do not result in a loss of water and thus no mitigation required. We will need to dewater the stream while the pipe is being removed and the sewer line is installed. This will result in approximately 50' of temporary impacts to the stream.

There will be no impacts to threatened or endangered species or their habitat because of the additional work. There will also be no impacts to Section 106 resources.

Regulatory Approvals

Section 404: We are hereby requesting modification to the USACE Individual 404 Permit (SAW-2017-02112), for the above-described activities for Section U-2579AB.

Section 401: We are hereby requesting a modification to the 401 Water Quality Certification (WQC004131) from the NCDWR for Section U-2579AB. We believe this work is permissible under an Infield modification with no fee requirement.


Thank you for your assistance with this project. If you have any questions or need additional information, please contact me at (336) 747-7802 or aeuliss@ncdot.gov.

Sincerely,





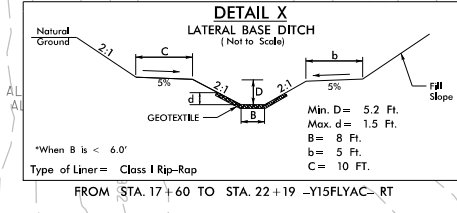
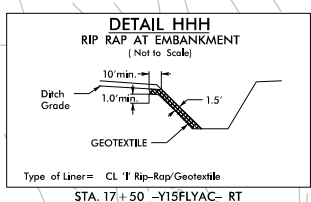
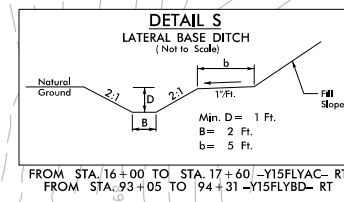
Amy Euliss
NCDOT Division 9 PDEA Engineer

Attachments: Revised Impact Summary sheet for U-2579AB
Revised Permit Drawing sheet 21
Utility Plan sheet UC-15

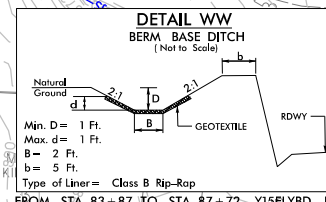
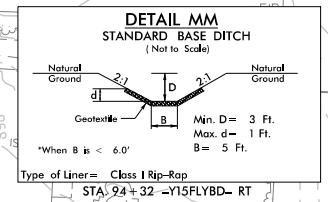
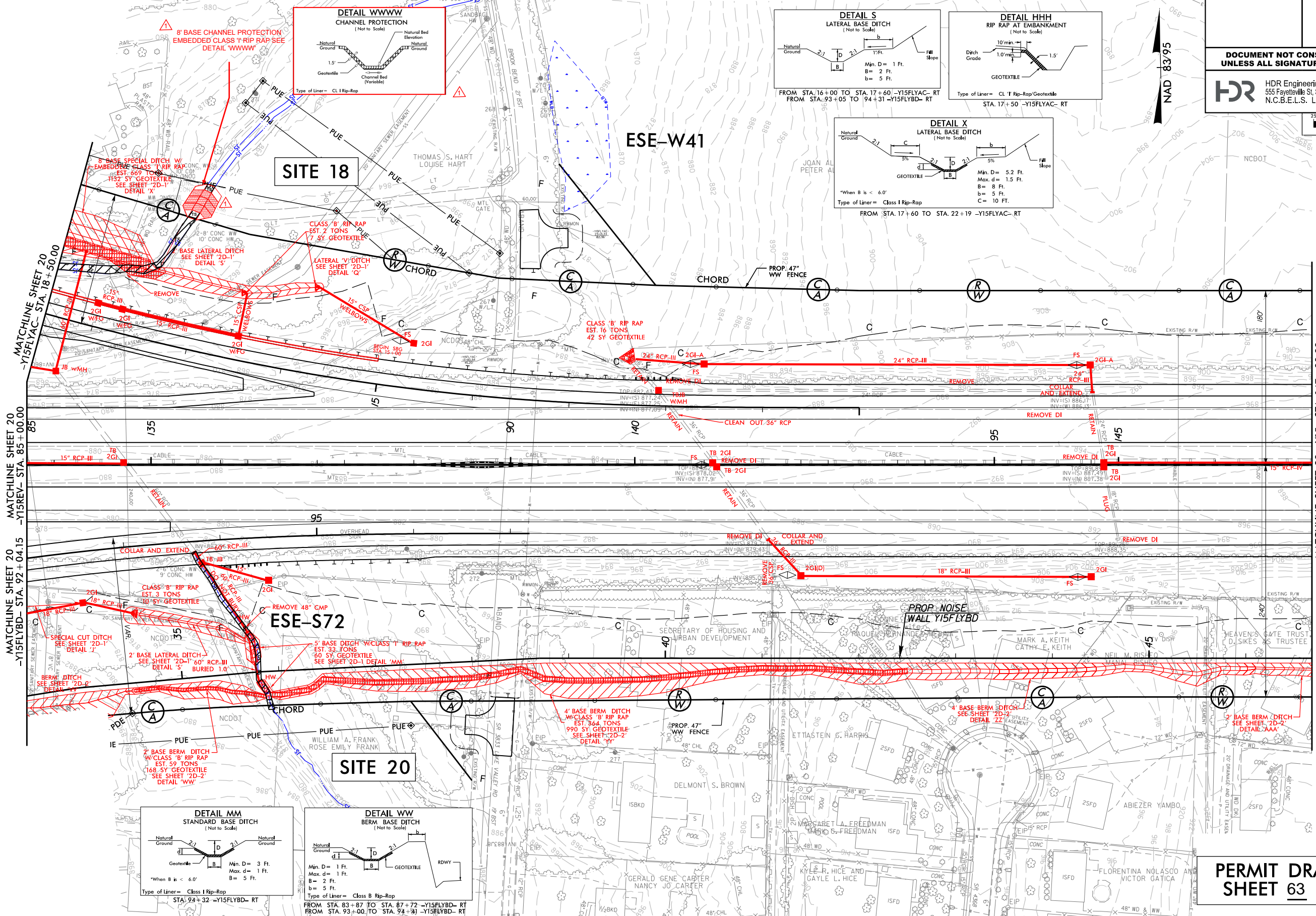
PROJECT REFERENCE NO.	SHEET NO.
U-2579AB	21
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
 HDR Engineering, Inc. of the Carolinas 555 Fayetteville St. Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116	

LEGEND:

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



FIDDLERS CREEK (ESE-S25)




PERMIT DRAWING
SHEET 63 OF 78

ROW REV. - OCTOBER 14, 2019 - UPDATED STATION OFFSET CALL OUTS DUE TO DESIGN CHANGE TO -Y15FLYBD- FROM STATION 70+00 TO 92+19. JHG

REVISIONS

PLOT DRIVER: NCDOT..._eng_100.plt
 USER: NIMOWACK
 DATE: 10/5/2020
 TIME: 10:34:21 AM
 FILE: NCDOT\NCDOT-U2579AB\6.0.CAD.BTM\6.2.WorK.In_Progress\U-2579AB\Hydr\ulcs\PERMITS.Environmental\Dr\wings\U2579AB_PRM_PSH.dgn

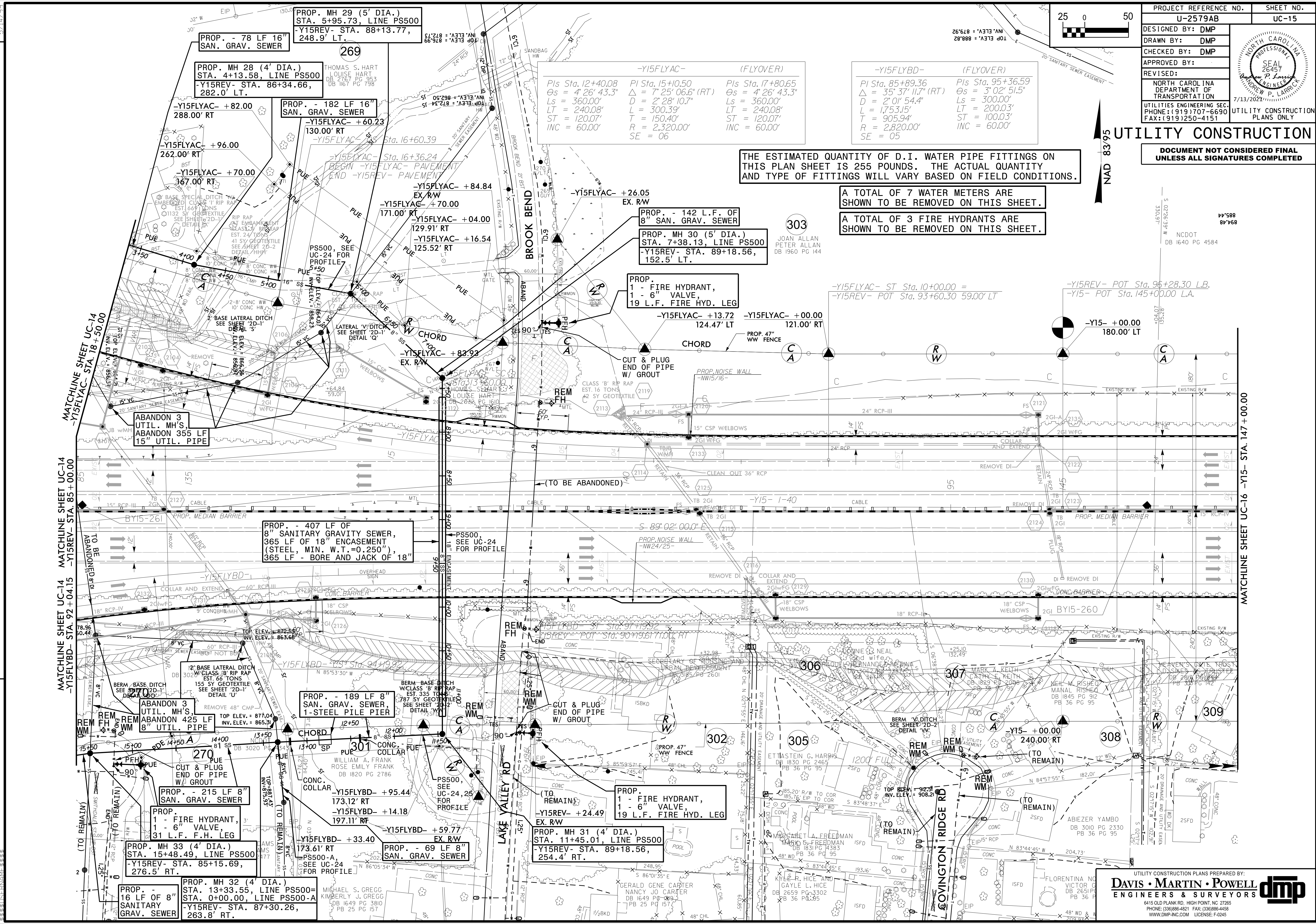
PROJECT REFERENCE NO.	SHEET NO.
U-2579AB	UC-15
DESIGNED BY: DMP	
DRAWN BY: DMP	
CHECKED BY: DMP	
APPROVED BY:	
REVISED:	NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151
UTILITY CONSTRUCTION PLANS ONLY	

UTILITY CONSTRUCTION

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



NAD 83/95



THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 255 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

A TOTAL OF 7 WATER METERS ARE SHOWN TO BE REMOVED ON THIS SHEET.

A TOTAL OF 3 FIRE HYDRANTS ARE SHOWN TO BE REMOVED ON THIS SHEET.

-Y15FLYAC- (FLYOVER)

Pls Sta. 12+40.08	Pls Sta. 15+10.50	Pls Sta. 17+80.65
Os = 4' 26" 43.3"	Δ = 7' 25" 06.6" (RT)	Os = 4' 26" 43.3"
Ls = 360.00'	D = 2' 28" 10.7"	Os = 360.00'
LT = 240.08'	L = 300.39'	LT = 240.08'
ST = 120.07'	T = 150.40'	ST = 120.07'
INC = 60.00'	R = 2,320.00'	INC = 60.00'
	SE = 06	

-Y15FLYBD- (FLYOVER)

Pls Sta. 85+89.36	Pls Sta. 95+36.59
Δ = 35' 37" 11.7" (RT)	Os = 3' 02" 51.5"
D = 2' 01" 54.4"	Ls = 300.00'
L = 1,753.15'	LT = 200.03'
T = 905.94'	ST = 100.03'
R = 2,320.00'	INC = 60.00'
SE = 05	


REVISIONS

MATCHLINE SHEET UC-14
-Y15FLYAC- STA. 78+50.00

MATCHLINE SHEET UC-14
-Y15FLYBD- STA. 92+04.15

MATCHLINE SHEET UC-16
-Y15- STA. 147+00.00

UTILITY CONSTRUCTION PLANS PREPARED BY:

DAVIS · MARTIN · POWELL
 ENGINEERS & SURVEYORS 

6415 OLD PLANK RD., HIGH POINT, NC 27265
 PHONE: (336) 886-4821 FAX: (336) 886-4458
 WWW.DMP-INC.COM LICENSE: F-2045

WETLAND PERMIT IMPACT SUMMARY

Site No.	Station (From/To)	Structure Size / Type	WETLAND IMPACTS					SURFACE WATER IMPACTS				
			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)
16	Y15 64+60 RT	54" RCP-III						< 0.01	< 0.01	44	26	
16A	Y15FLYCA 28+70 LT	BANK STABILIZATION						< 0.01	< 0.01	33	10	
16A	Y15FLYCA 28+80 CL	54" RCP-III						0.02	< 0.01	170	10	
17	Y15REV 30+00	8' x7' RCBC						0.03		427		
17	Y15REV 30+00	CHANNEL PROTECTION						< 0.01		35		
17A	Y15REV 30+00 RT	8' x7' RCBC	0.06									
17B	Y15REV 30+50 RT	8'x7' RCBC	0.09									
17C	Y15REV 30+50 RT	8' x7' RCBC	0.03									
18	Y15FLYAC 25+93 - 29+16 RT	ROADWAY FILL						0.16	0.02	900	102	
18	Y15FLYAC 25+93 - 29+16 RT	BANK STABILIZATION						< 0.01	< 0.01	44	11	
19	Y15FLYAC 28+72 RT	ROADWAY FILL						< 0.01		80		
19	Y15 124+35 LT	4' BASE DITCH						< 0.01		50		
19	Y15 124+40 LT	48" RCP-III						< 0.01		14		
19	Y15 125+82 RT	48" RCP-III						< 0.01		16		
19	Y15 126+00 RT	4' BASE DITCH						< 0.01		65		
19	Y15FLYBD 83+80 RT	48" RCP-III						< 0.01		18		
19	Y15FLYBD 83+85 RT	CHANNEL PROTECTION						< 0.01	< 0.01	6	6	
20	Y15FLYBD 93+75	60" RCP-III						0.01		100		
20	Y15FLYBD 94+22, 94+45	5' BASE DITCH						< 0.01	< 0.01	55	10	
20	Y15FLYBD 94+25	60" RCP-III						< 0.01		20		
21	Y15 149+41 - 154+60 LT	ROADWAY FILL						0.48	< 0.01	548	10	
21	Y15 157+53 - 159+59 RT	ROADWAY FILL						0.02	< 0.01	180	50	
22	Y4RPB 20+55 RT	2' BASE DITCH						< 0.01		67		
18	Y15FLYAC 25+93 - 29+16 RT	SEWER INSTALLAION AND CHANNEL PROTECTION								40	50	
TOTALS*:			0.18					0.78	0.04	2872	235	

2912 285

*Rounded totals are sum of actual impacts

NOTES:

NC DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 07/02/2021
 FORSYTH COUNTY
 U-2579AB
 34839.1.8
 SHEET 78 OF 79