



North Carolina Department of Transportation

Highway Stormwater Program
STORMWATER MANAGEMENT PLAN

FOR NCDOT PROJECTS



(Version 3.02; Released April 23, 2024)

WBS Element: 44357.1.1 TIP/Proj No: U-5785/U-5780 County(ies): Pitt Page 1 of 4

General Project Information

WBS Element:	44357.1.1	TIP Number:	U-5785/U-5780	Project Type:	Roadway Widening	Date:	3/12/2026
NCDOT Contact:	Alexander Foster			Contractor / Designer:	Johnson Mirmiran & Thompson		
Address:	1000 Birch Ridge Drive Raleigh, NC 27610			Address:	4700 Falls of Neuse Road, Suite 100 Raleigh, NC 27609		
Phone:	919-707-6239			Phone:	252-672-2070		
Email:	afoster@ncdot.gov			Email:	khcompton@jmt.com		
City/Town:	Greenville, NC 27835			County(ies):	Pitt		
River Basin(s):	Neuse	Tar-Pamlico	CAMA County?	No			
Wetlands within Project Limits?	Yes						

Project Description

Project Length (lin. miles or feet):	3.44	Surrounding Land Use:	Business and Single Family Residential					
Project Built-Up Area (ac.)	63.5	Proposed Project	ac.	Existing Site	35.8	ac.		
Typical Cross Section Description:	Four lane divided road with variable width divided median. Cross section includes two 11-foot lanes plus five foot bikes lanes, curb and gutter, and sidewalk in each direction.			Two 12-foot lanes with 1 foot paved shoulders and grassed ditches				
Annual Avg Daily Traffic (veh/hr/day):	Design/Future:	32400	Year:	2040	Existing:	25000	Year:	2014

General Project Narrative:
(Description of Minimization of Water Quality Impacts)

NCDOT is proposing to improve SR 1708 (Fire Tower Road) and SR 1726 (Portertown Road) in Greenville, NC. The project will widen SR 1708 and SR 1726 from a current 2 lane to 4 lane with turn lanes and concrete/grass median. The current open ditch drainage system will be converted to curb and gutter with 5 foot bike lanes and sidewalks. The existing roundabout connecting SR 1708 and SR 1726 will also be widened and a new roundabout will be added along SR 1726 will be added at the Eastern Pines Road intersection. Improvements will also be made to County Home Road, Charles Blvd, Bells Fork Road, Kittrell Road, Arlington Blvd, and Turnbury Dr. Improvements will include extending Turnbury Dr to connect to SR 1708 and a realignment with a roundabout at the Bells Fork Road and Kittrell Road intersection. The project area is highly urbanized with extensive existing commercial development. Existing outfalls were utilized in the design. The existing storm sewer systems outfall ultimately to Fork Swamp, Meeting House Branch, or Hardee Creek. Fork Swamp flows to an existing regional facility called Covengton Pond which is located outside the project limits. A proposed BMP (Dry Detention Basin) will be located on existing parcel 34 to provide water quality treatment prior to stormwater entering Meeting House Branch. The bridge over Hardee Creek will be widened with the addition of 13 cored slab units at 39' wide in the southbound direction. The bridge will utilize deck drains that discharge over the buffer to keep spread on the bridge to an acceptable limit while utilizing coir fiber matting on the floodplain bench to minimize erosion from the discharge. Water Quality impacts will be minimized by limiting impacts to delineated wetlands and placing rip rap pads at pipe outfalls (where necessary) to reduce velocities.



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WBS Element: 44357.1.1 TIP/Proj No.: U-5785/U-5780 County(ies): Pitt Page 2 of 4

General Project Information

Waterbody Information

Surface Water Body (1):	Hardee Creek		NCDWR Stream Index No.:	28-97	
NCDWR Surface Water Classification for Water Body	Primary Classification:		Class C		
	Supplemental Classification:		Nutrient Sensitive Waters (NSW)		
Other Stream Classification:					
Impairments:					
Aquatic T&E Species?	Yes	Comments:			
NRTR Stream ID:	SA		Buffer Rules in Effect:	Tar-Pamlico	
Project Includes Bridge Spanning Water Body?	Yes	Deck Drains Discharge Over Buffer?	Yes	Dissipator Pads Provided in Buffer?	Yes
Deck Drains Discharge Over Water Body?	No	(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)				
Surface Water Body (2):	UT to Hardee Creek		NCDWR Stream Index No.:	28-97	
NCDWR Surface Water Classification for Water Body	Primary Classification:		Class C		
	Supplemental Classification:		Nutrient Sensitive Waters (NSW)		
Other Stream Classification:					
Impairments:					
Aquatic T&E Species?	Yes	Comments:			
NRTR Stream ID:	SC		Buffer Rules in Effect:	Tar-Pamlico	
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)				
Surface Water Body (3):	UT to Meeting House Branch		NCDWR Stream Index No.:	28-97-1	
NCDWR Surface Water Classification for Water Body	Primary Classification:		Class C		
	Supplemental Classification:		Nutrient Sensitive Waters (NSW)		
Other Stream Classification:					
Impairments:					
Aquatic T&E Species?	Yes	Comments:			
NRTR Stream ID:	SE		Buffer Rules in Effect:	N/A	
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)				



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STORMWATER MANAGEMENT PLAN
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(Version 3.02; Released April 23, 2024)

WBS Element: 44357.1.1 **TIP No.:** U-5785/U-5780 **County(ies):** Pitt **Page** 3 **of** 4

Additional Waterbody Information

Surface Water Body (4):	UT to Meeting House Branch		NCDWR Stream Index No.:	28-97-4	
NCDWR Surface Water Classification for Water Body	Primary Classification:		Class C		
	Supplemental Classification:		Nutrient Sensitive Waters (NSW)		
Other Stream Classification:					
Impairments:					
Aquatic T&E Species?	Yes	Comments:			
NRTR Stream ID:	SF		Buffer Rules in Effect:	Tar-Pamlico	
Project Includes Bridge Spanning Water Body?	No	Deck Drains Discharge Over Buffer?	N/A	Dissipator Pads Provided in Buffer?	Yes
Deck Drains Discharge Over Water Body?	No	(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)					

Surface Water Body (5):	Fork Swamp B		NCDWR Stream Index No.:	27-97-4	
NCDWR Surface Water Classification for Water Body	Primary Classification:		Class C		
	Supplemental Classification:		Swamp Waters (Sw) (NSW)		
Other Stream Classification:					
Impairments:					
Aquatic T&E Species?	Yes	Comments:			
NRTR Stream ID:	Fork Swamp B		Buffer Rules in Effect:	Neuse	
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?	No	(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)					

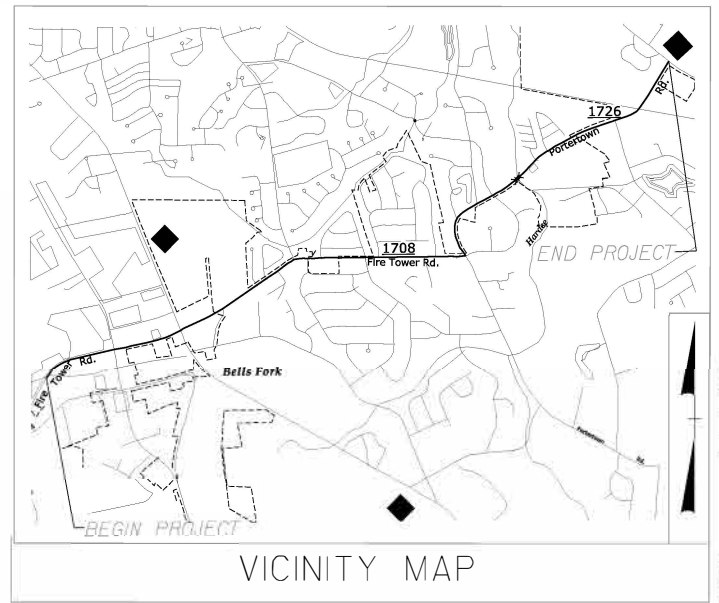
Surface Water Body (6):	UT to Hardee Creek		NCDWR Stream Index No.:	28-97	
NCDWR Surface Water Classification for Water Body	Primary Classification:		Class C		
	Supplemental Classification:		Nutrient Sensitive Waters (NSW)		
Other Stream Classification:					
Impairments:					
Aquatic T&E Species?	Yes	Comments:			
NRTR Stream ID:	SG		Buffer Rules in Effect:	N/A	
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)					

Surface Water Body (7):	UT to Fork Swamp		NCDWR Stream Index No.:	27-97-4	
NCDWR Surface Water Classification for Water Body	Primary Classification:		Class C		
	Supplemental Classification:		Swamp Waters (Sw) (NSW)		
Other Stream Classification:					
Impairments:					
Aquatic T&E Species?	Yes	Comments:			
NRTR Stream ID:	SH		Buffer Rules in Effect:	Neuse	
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)					

09/10/2026

TIP PROJECT: U-5785

See Sheet 1-A For Index of Sheets



ROW PLANS

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PITT COUNTY

**LOCATION: SR 1708 (FIRE TOWER ROAD) AND SR 1726 (PORTERTOWN ROAD)
FROM WEST OF EAST ARLINGTON BLVD
TO NC 33 (EAST 10TH STREET) IN GREENVILLE**

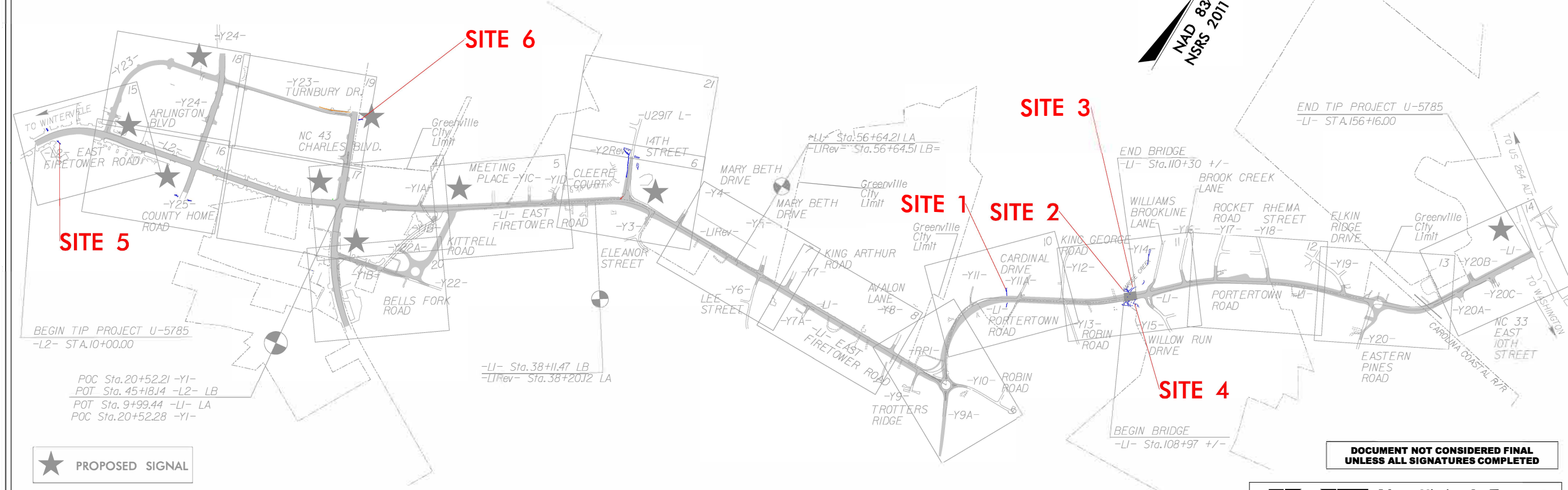
**TYPE OF WORK: GRADING, DRAINAGE, PAVING, STRUCTURE AND
CURB & GUTTER**

U-5785

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-5785	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
44357.1.1	NA	PE	
44357.2.1		RW	
44357.2.2		UTILITIES	
44357.3.1		CONST.	

**PERMIT DRAWING
SHEET 1 of 18**

WETLAND & STREAM IMPACTS

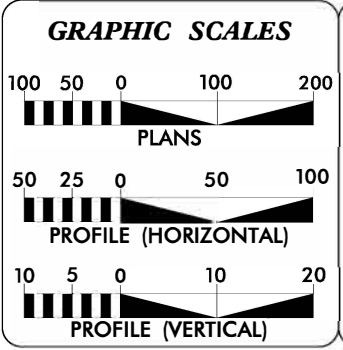


THIS PROJECT IS WITHIN THE MUNICIPAL AND ETJ BOUNDARIES OF GREENVILLE.
THIS IS A PARTIAL CONTROLLED ACCESS PROJECT WITH ACCESS BEING LIMITED TO POINTS SHOWN ON PLANS.

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

JMAT Johnson, Mirmiran, & Thompson Inc.
4700 Falls of Neuse Road, Suite 100
Raleigh, NC, 27609
License No: C-3097

CONTRACT:



DESIGN DATA

ADT 2014 =	25000
ADT 2040 =	32400
D =	55%
K =	8%
T =	2%*
*DUAL =	1% TTST = 1%
V =	45 MPH
FUNC CLASS =	MINOR ARTERIAL
REGIONAL TIER	

PROJECT LENGTH

LENGTH ROADWAY PROJECT U-5785 =	3.410 Mi.
LENGTH STRUCTURE PROJECT U-5785 =	0.025 Mi.
TOTAL LENGTH OF PROJECT U-5785 =	3.435 Mi.

Prepared in the Office of:
JOHNSON, MIRMIRAN & THOMPSON
4700 Falls of Neuse Rd., Suite 100, Raleigh NC 27609
License # C-3097

FOR THE NORTH CAROLINA DIVISION OF HIGHWAYS

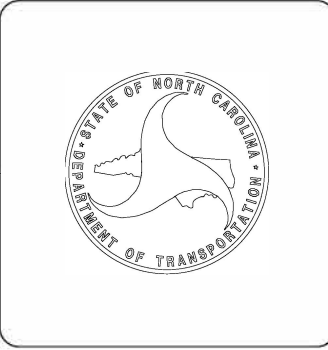
2024 STANDARD SPECIFICATIONS	KYLE COMPTON, PE PROJECT ENGINEER
	JOHN LANSFORD, PE PROJECT DESIGN ENGINEER
RIGHT OF WAY DATE: SEPTEMBER 30, 2024	NGDOT CONTACT: ALEXANDER FOSTER, PE PMU PROJECT MANAGER
LETTING DATE: JULY 17, 2029	

HYDRAULICS ENGINEER

SIGNATURE: _____ P.E.

ROADWAY DESIGN ENGINEER

SIGNATURE: _____ P.E.



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JMT Johnson, Mirmiran, & Thompson Inc. 4700 Falls of Neuse Road, Suite 100 Raleigh, NC, 27609 License No: C-3097

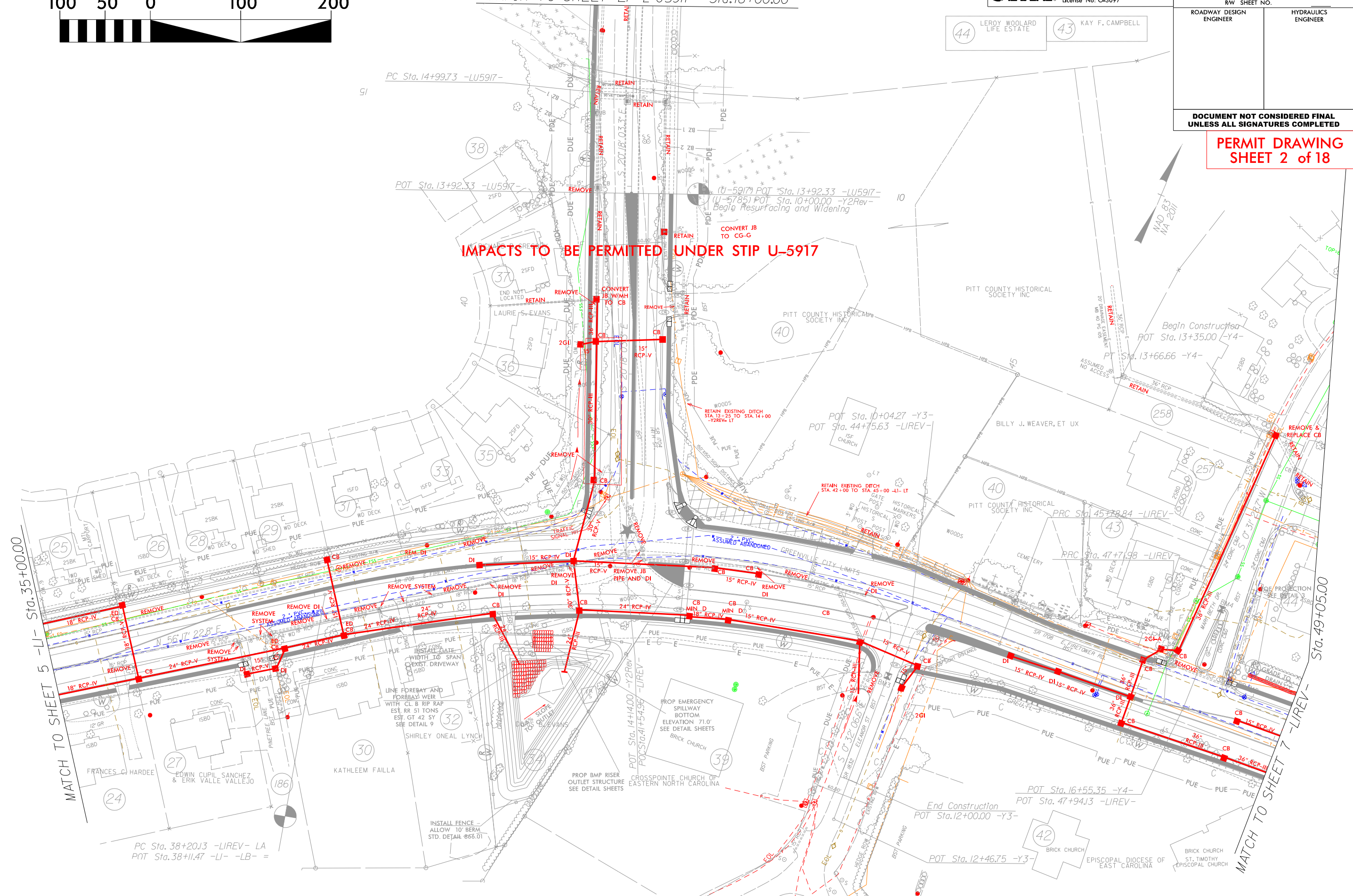
PROJECT REFERENCE NO.	SHEET NO.
U-5785	6
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
(44) LEROY WOOLARD LIFE ESTATE	(43) KAY F. CAMPBELL

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PERMIT DRAWING SHEET 2 of 18

MATCH TO SHEET 21 -L U5917- Sta.16+00.00

IMPACTS TO BE PERMITTED UNDER STIP U-5917



MATCH TO SHEET 5 -LI- Sta.35+00.00

MATCH TO SHEET 7 -LIREV- Sta.49+05.00

PC Sta. 38+20.13 -LIREV- LA
POT Sta. 38+11.47 -LI- -LB- =

End Construction
POT Sta. 12+00.00 -Y3-
POT Sta. 16+55.35 -Y4-
POT Sta. 47+94.13 -LIREV-

R/W REVISION 10/09/25 JCL ADJUSTED PROPOSED R/W LINE TO SHOW PARCEL 34 AS A TOTAL TAKE
R/W REVISION 12/30/25 JCL REVISED PUE ON PARCEL 26

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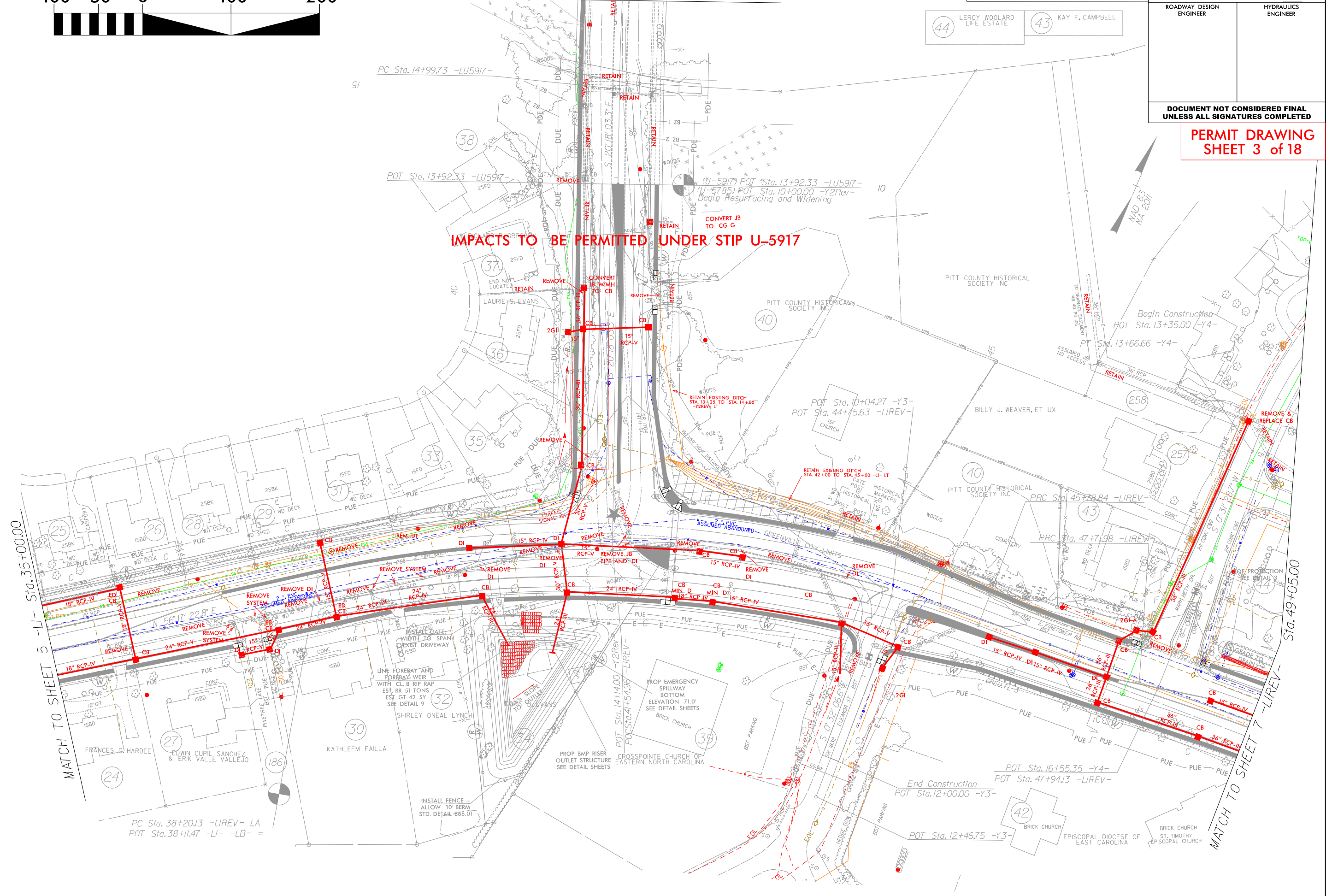
JMT Johnson, Mirmiran, & Thompson Inc.
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PROJECT REFERENCE NO. U-5785	SHEET NO. 6
RW SHEET NO.	
ROADWAY DESIGN ENGINEER 44 LEROY WOOLARD LIFE ESTATE	HYDRAULICS ENGINEER 43 KAY F. CAMPBELL
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

**PERMIT DRAWING
SHEET 3 of 18**

MATCH TO SHEET 21 -L U5917- Sta.16+00.00

IMPACTS TO BE PERMITTED UNDER STIP U-5917



R/W REVISION 10/09/25 JCL ADJUSTED PROPOSED R/W LINE TO SHOW PARCEL 34 AS A TOTAL TAKE
R/W REVISION 12/30/25 JCL REVISED PUE ON PARCEL 26

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MATCH TO SHEET 5 -LI- Sta.35+00.00

MATCH TO SHEET 7 -LIREV- Sta.49+05.00

PC Sta. 38+20.13 -LIREV- LA
POT Sta. 38+11.47 -LI- -LB- =

End Construction
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POT Sta. 16+55.35 -Y4-
POT Sta. 47+94.13 -LIREV-

PC Sta. 14+99.73 -LU5917-

POT Sta. 13+92.33 -LU5917-
25FD

(U-5917) POT Sta. 13+92.33 -LU5917-
(U-5785) POT Sta. 10+00.00 -Y2Rev-
Begin Resurfacing and Widening

Begin Construction
POT Sta. 13+35.00 -Y4-

POT Sta. 10+04.27 -Y3-
POT Sta. 44+75.63 -LIREV-

PT Sta. 13+66.66 -Y4-

PRC Sta. 45+78.84 -LIREV-

PRC Sta. 47+7.98 -LIREV-

POT Sta. 12+46.75 -Y3-

BRICK CHURCH

EPISCOPAL DIOCESE OF
EAST CAROLINA

BRICK CHURCH
ST. TIMOTHY
EPISCOPAL CHURCH

LINE FOREBAY AND
FOREBAY WEIR
WITH CL.B RIP RAP
EST. RR 51 TONS
EST. GT 42 SY
SEE DETAIL 9

PROP EMERGENCY
SPILLWAY
BOTTOM
ELEVATION 71.0'
SEE DETAIL SHEETS

PROP BMP RISER
OUTLET STRUCTURE
SEE DETAIL SHEETS

INSTALL FENCE -
ALLOW 10' BERM
STD. DETAIL #66.01

RETAIN EXISTING DITCH
STA. 42+00 TO STA. 45+00 -LI- LT

RETAIN EXISTING DITCH
STA. 23+25 TO STA. 14+00

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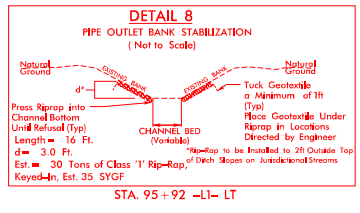
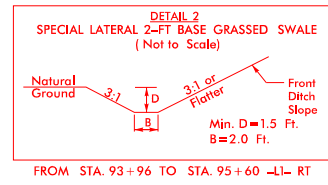
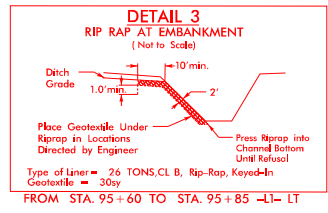
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LEGEND:

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



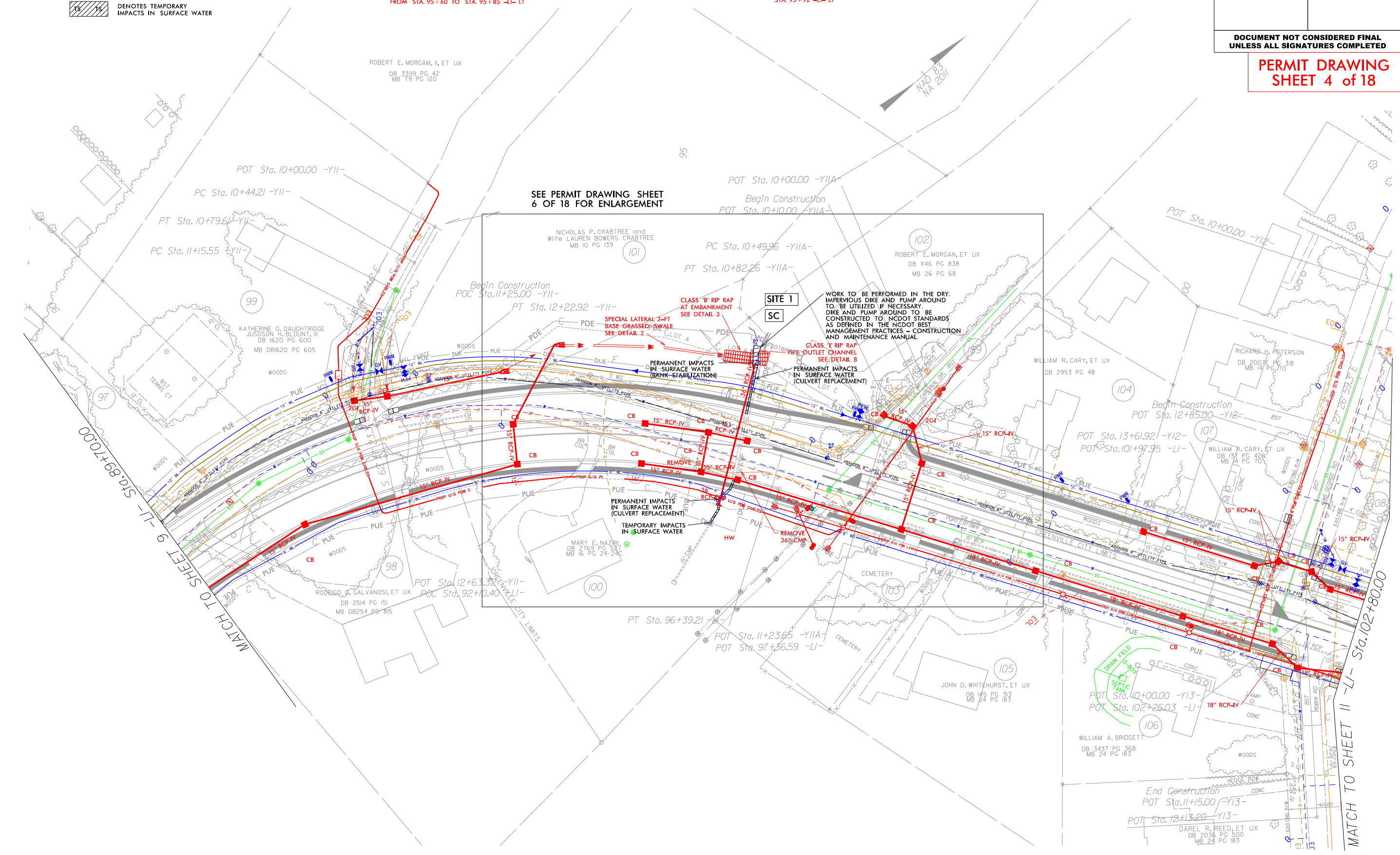
97 MAXWELL E. FISHER, ET UX
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MB 26 PG 50

108 NC PACE RE LLC
DB 3389 PG 449
MB 22 PG 47

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PROJECT REFERENCE NO. U-5785	SHEET NO. 10
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
PERMIT DRAWING SHEET 4 of 18	

R/W REVISION JCL 12/9/25 Changed DUE on Parcels 99 and 101 to Proposed R/W
R/W REVISION KHC 1/31/25 Added Driveway to Parcel 100 and Parcel 103. No Revisions to ROW or PUE.



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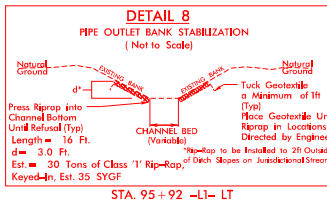
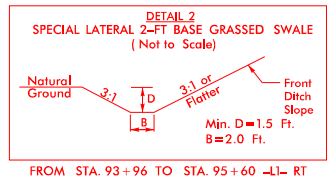
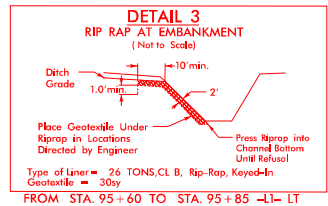
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- DENOTES TEMPORARY IMPACTS IN SURFACE WATER



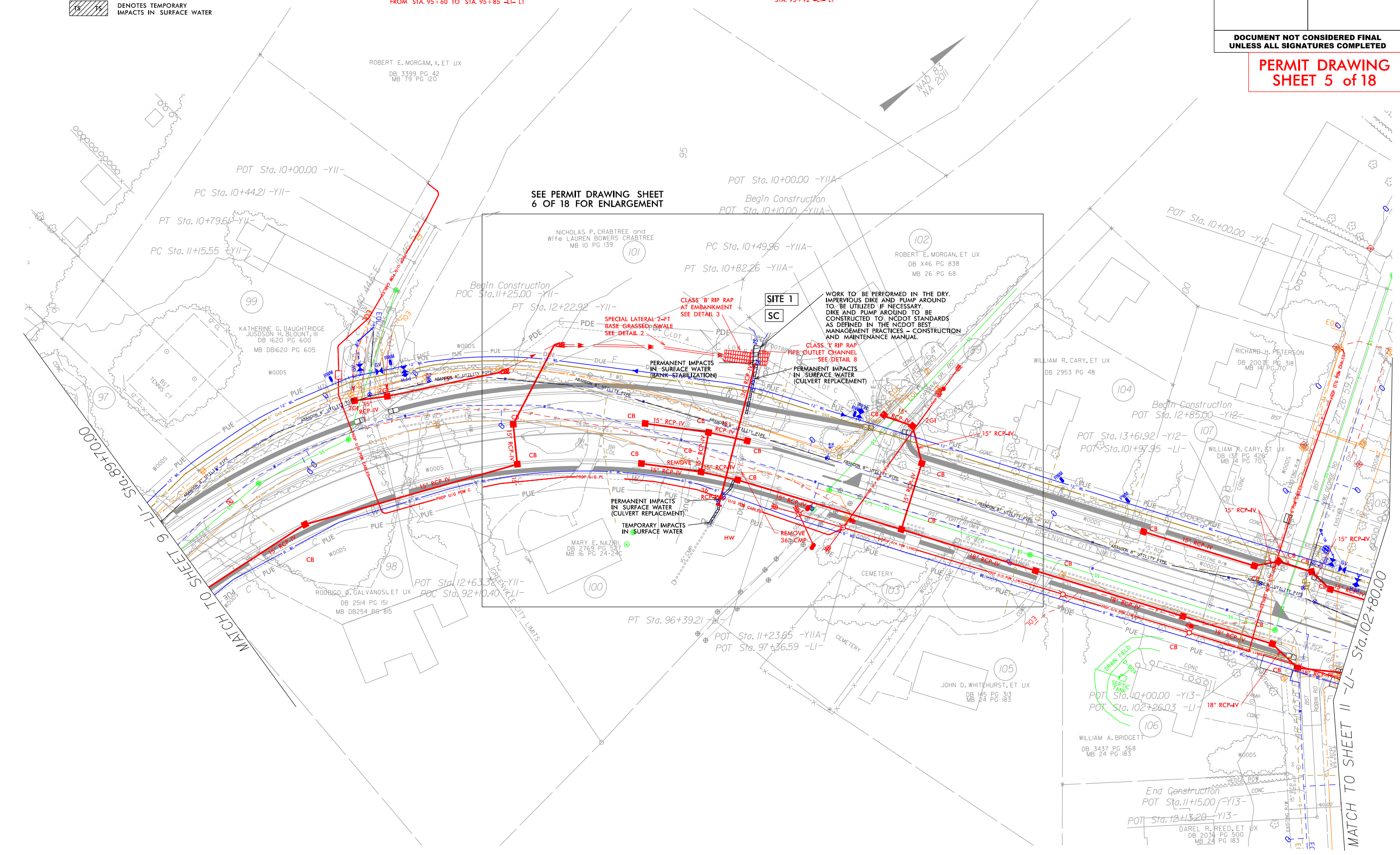
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108	NC PACE RE LLC DB 3389 PG 449 MB 22 PG 47

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PROJECT REFERENCE NO. U-5785	SHEET NO. 10
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

PERMIT DRAWING
SHEET 5 of 18

R/W REVISION JCL 12/9/25 Changed DUE on Parcels 99 and 101 to Proposed R/W
R/W REVISION KHC 1/31/25 Added Driveway to Parcel 100 and Parcel 103. No Revisions to ROW or PUE.



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MATCH TO SHEET 9 -LI- Sta. 89+70.00



LEGEND:
 DENOTES IMPACTS IN SURFACE WATER
 DENOTES TEMPORARY IMPACTS IN SURFACE WATER

PG 139

101

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PROJECT REFERENCE NO. U-5785	SHEET NO. 10
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

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 ROBERT E.
 DB X46
 MB 26

**PERMIT DRAWING
 SHEET 6 of 18**

Construction
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PT Sta. 12+22.92 -YII-

PC Sta. 10+49.96 -YIIA-

PT Sta. 10+82.26 -YIIA-

**SITE 1
 SC**

WORK TO BE PERFORMED IN THE DRY.
 IMPERVIOUS DIKE AND PUMP AROUND TO BE UTILIZED IF NECESSARY.
 DIKE AND PUMP AROUND TO BE CONSTRUCTED TO NCDOT STANDARDS AS DEFINED IN THE NCDOT BEST MANAGEMENT PRACTICES - CONSTRUCTION AND MAINTENANCE MANUAL.

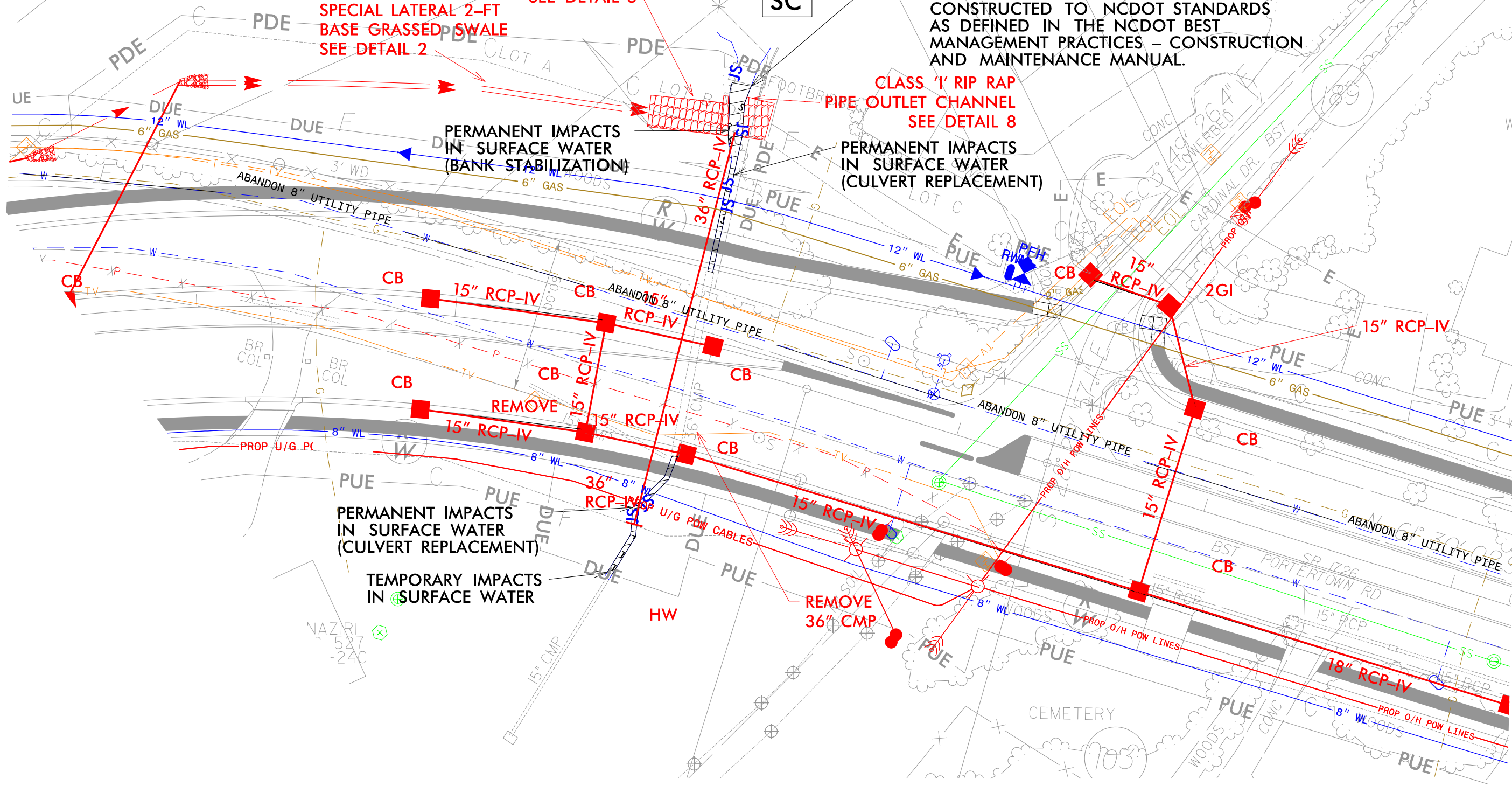
CLASS 'B' RIP RAP AT EMBANKMENT
 SEE DETAIL 3

SPECIAL LATERAL 2-FT BASE GRASSED SWALE
 SEE DETAIL 2

CLASS 'I' RIP RAP PIPE OUTLET CHANNEL
 SEE DETAIL 8

PERMANENT IMPACTS IN SURFACE WATER (BANK STABILIZATION)

PERMANENT IMPACTS IN SURFACE WATER (CULVERT REPLACEMENT)



PERMANENT IMPACTS IN SURFACE WATER (CULVERT REPLACEMENT)

TEMPORARY IMPACTS IN SURFACE WATER

REMOVE 36\"/>

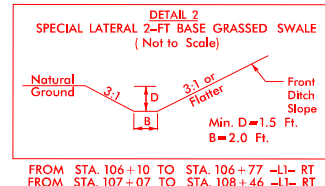
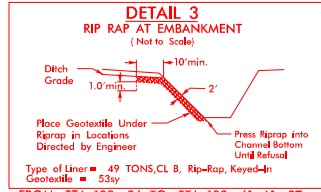
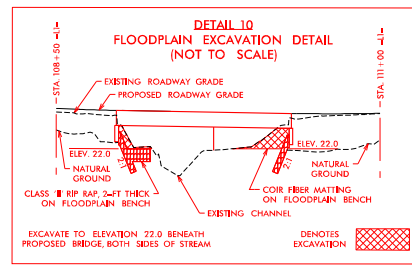
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5/14/99



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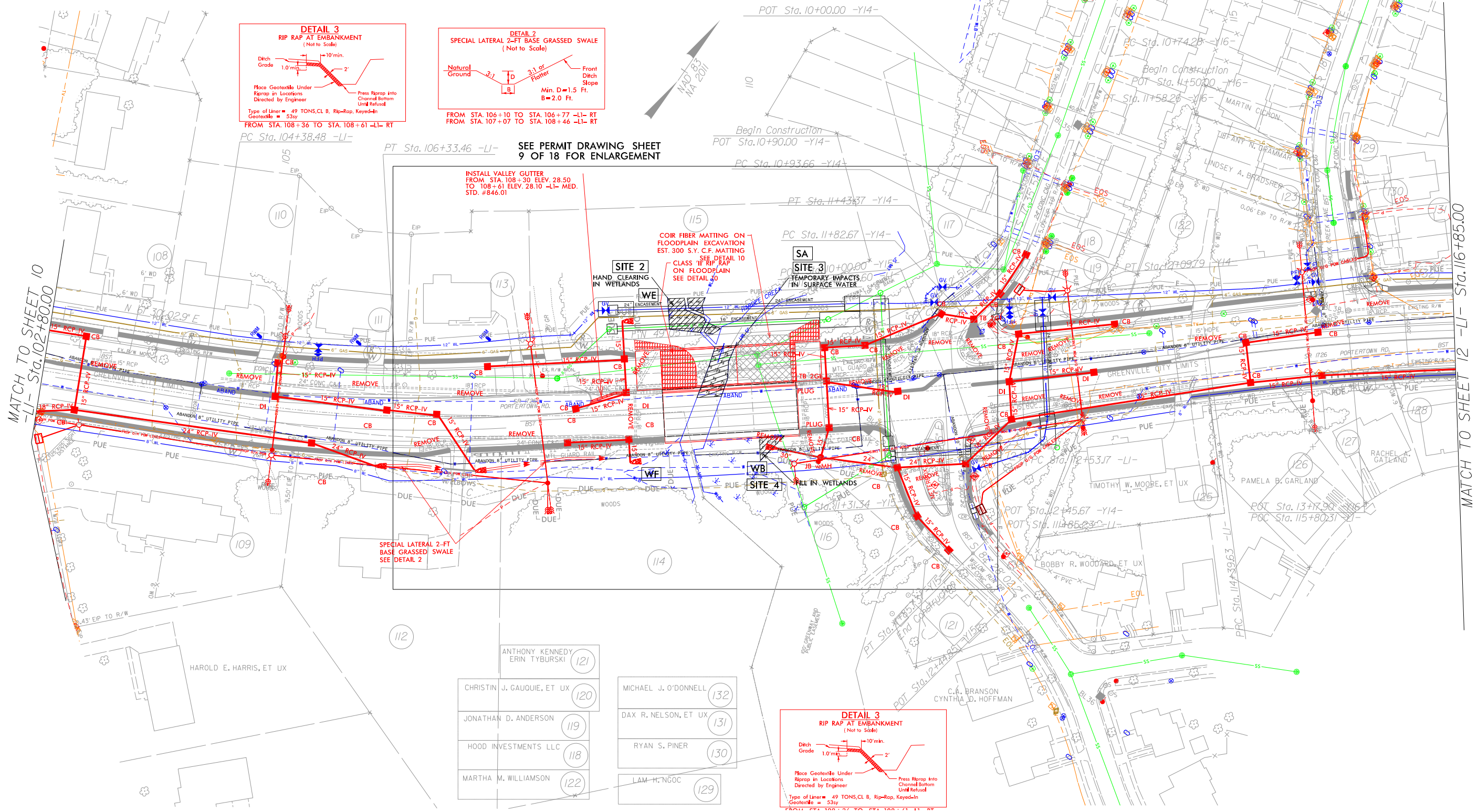
- DENOTES TEMPORARY IMPACTS IN SURFACE WATER
- DENOTES FILL IN WETLAND
- DENOTES HAND CLEARING



JMT Johnson, Mirmiran, & Thompson Inc.
4700 Falls of Neuse Road, Suite 100
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PROJECT REFERENCE NO. U-5785	SHEET NO. 11
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

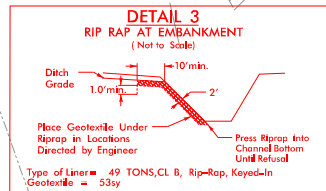
**PERMIT DRAWING
SHEET 7 of 18**



R/W Revision JCL 12/11/24 Revised Drainage Structure 1135 and Associated TCE at Parcel 121
R/W Revision JCL 6/23/25 Revised DUE on Parcel 114

2/10/2026 4:28:28 PM
User: jmt

ANTHONY KENNEDY (121) ERIN TYBURSKI	MICHAEL J. O'DONNELL (132)
CHRISTIN J. GAUOUIE, ET UX (120)	DAX R. NELSON, ET UX (131)
JONATHAN D. ANDERSON (119)	RYAN S. PINER (130)
HOOD INVESTMENTS LLC (118)	LAM H. NGOC (129)
MARTHA M. WILLIAMSON (122)	



MATCH TO SHEET 12 -LI- Sta. 116+85.00

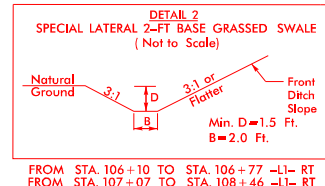
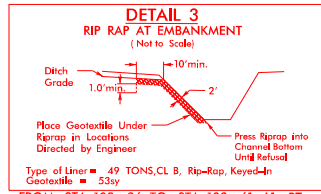
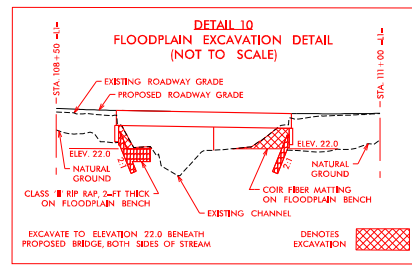
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5/14/99



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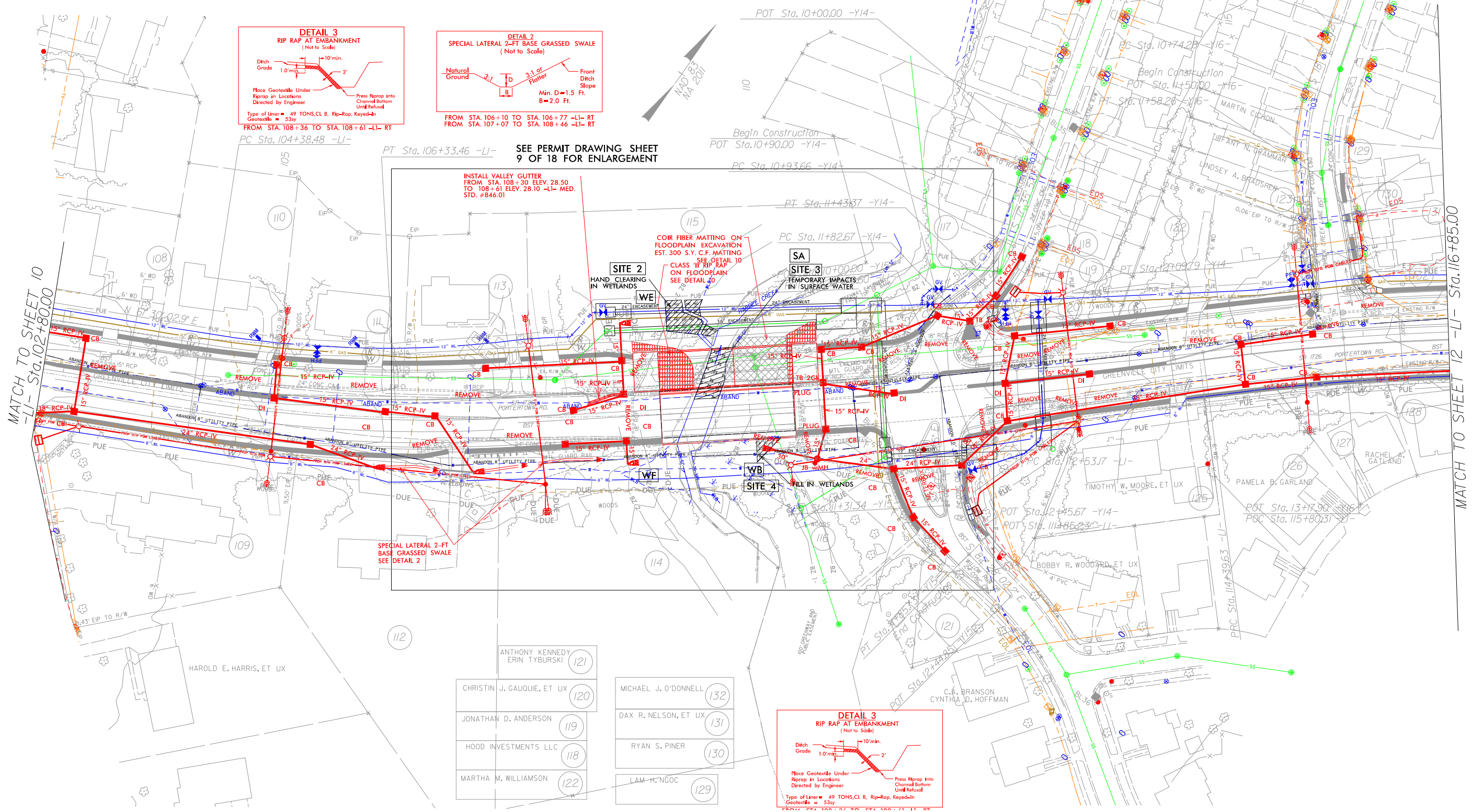
- DENOTES TEMPORARY IMPACTS IN SURFACE WATER
- DENOTES FILL IN WETLAND
- DENOTES HAND CLEARING



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Raleigh, NC, 27609
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PROJECT REFERENCE NO. U-5785	SHEET NO. 11
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

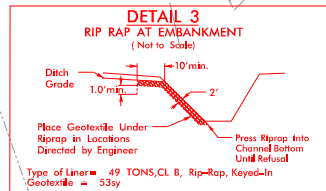
PERMIT DRAWING
SHEET 8 of 18



R/W Revision JCL 12/11/24 Revised Drainage Structure 1135 and Associated TCE at Parcel 121
R/W Revision JCL 6/23/25 Revised DUE on Parcel 114

2/10/2026 4:29:46 PM
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ANTHONY KENNEDY ERIN TYBURSKI	(121)
CHRISTIN J. GAUQUIE, ET UX	(120)
JONATHAN D. ANDERSON	(119)
HOOD INVESTMENTS LLC	(118)
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MATCH TO SHEET 12 -LI- Sta. 116+85.00

MATCH TO SHEET 10 -LI- Sta. 102+80.00

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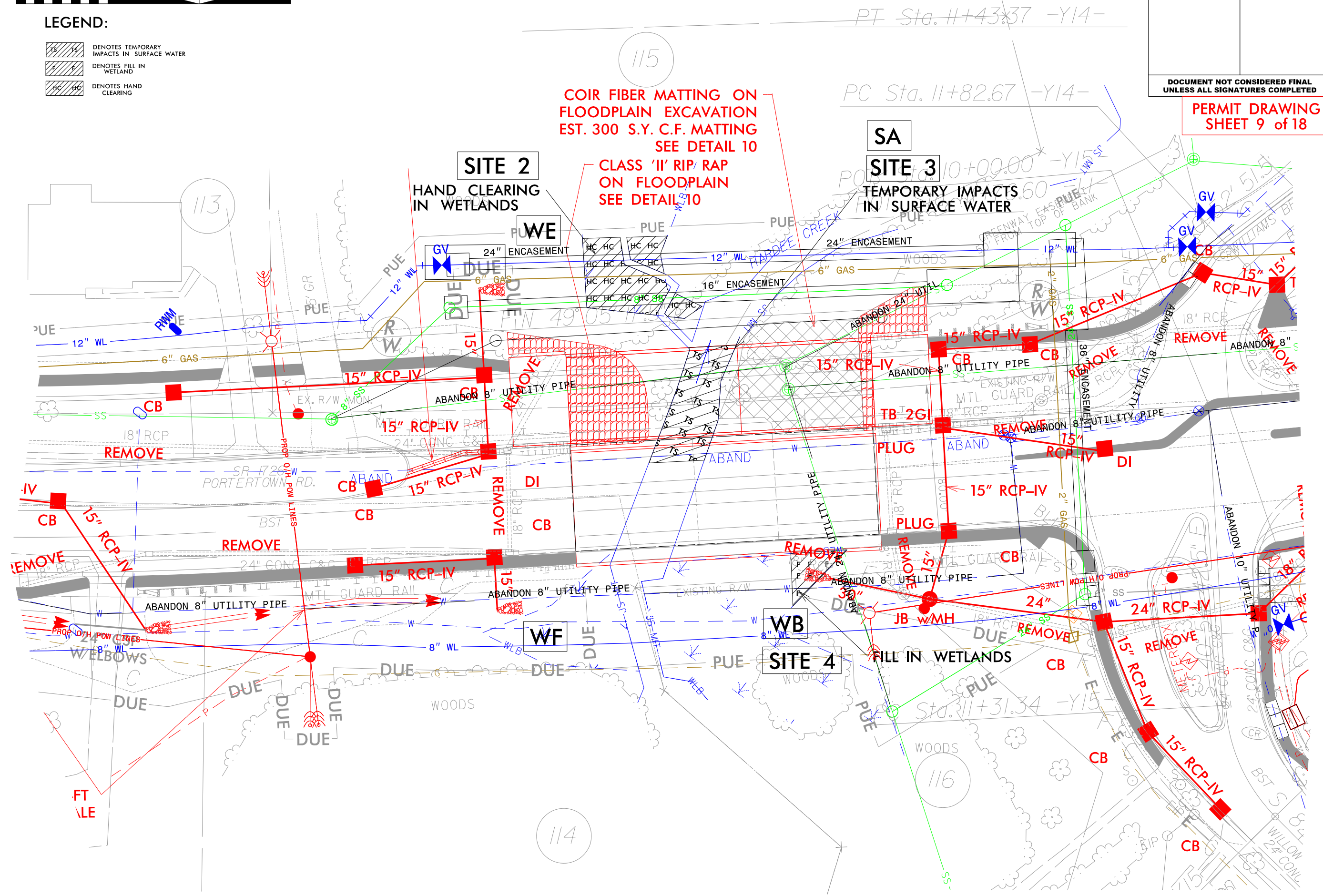
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- DENOTES TEMPORARY IMPACTS IN SURFACE WATER
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ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
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PERMIT DRAWING SHEET 9 of 18



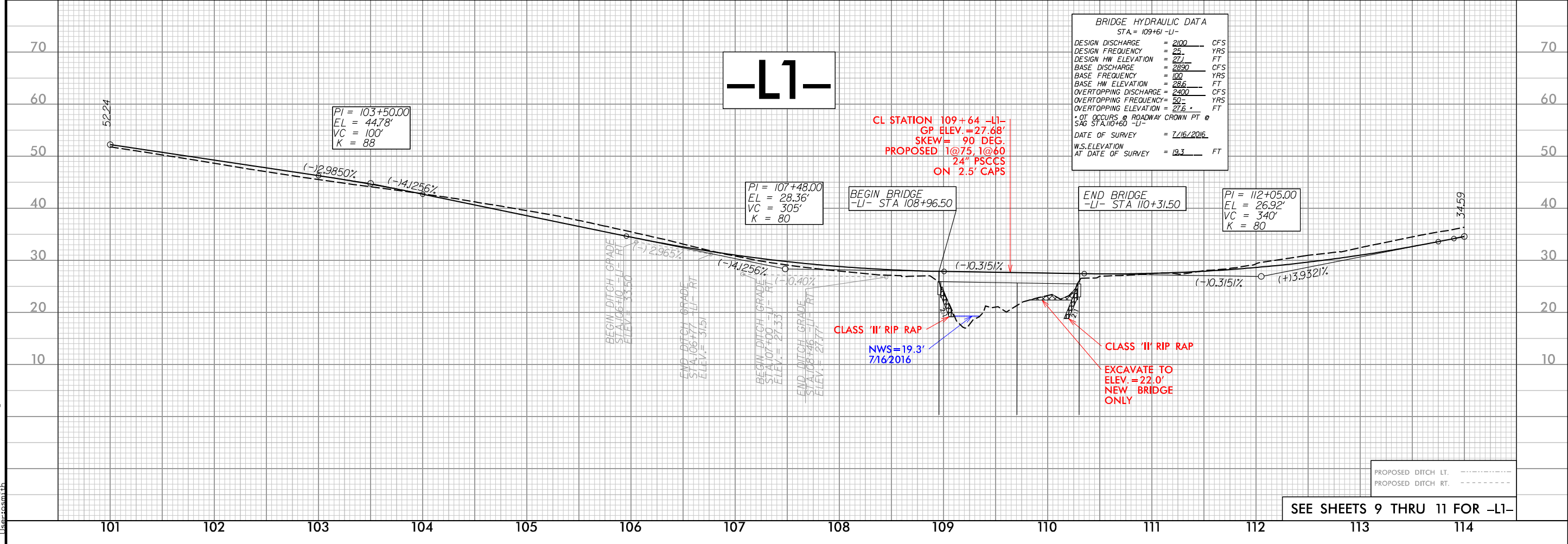
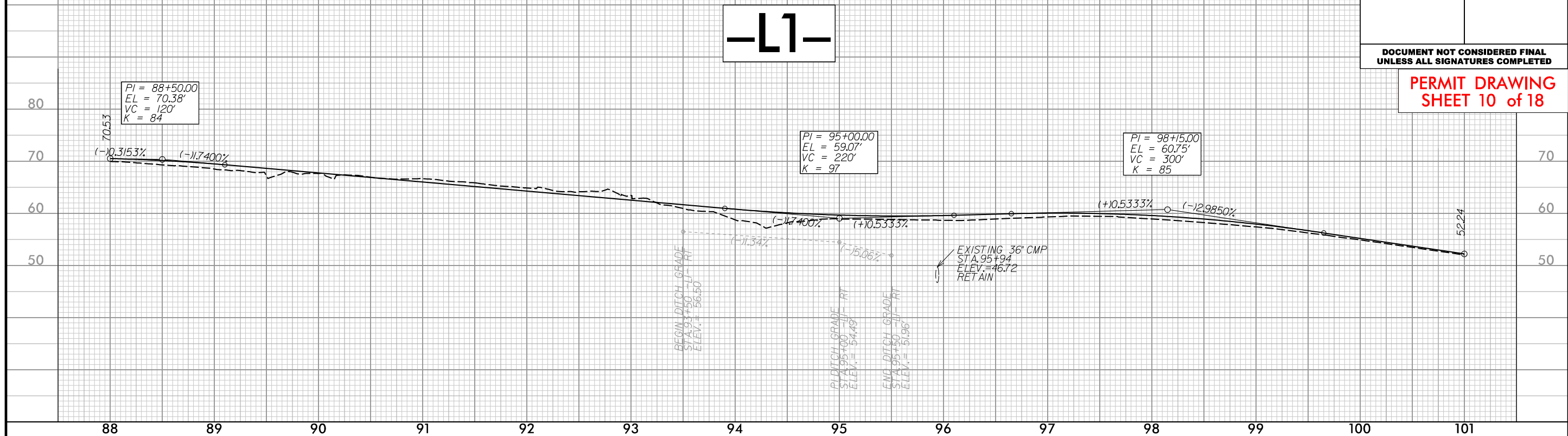
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5/28/99

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**PERMIT DRAWING
 SHEET 10 of 18**

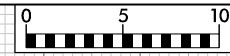


PROPOSED DITCH LT. -----
 PROPOSED DITCH RT. -----

SEE SHEETS 9 THRU 11 FOR -L1-

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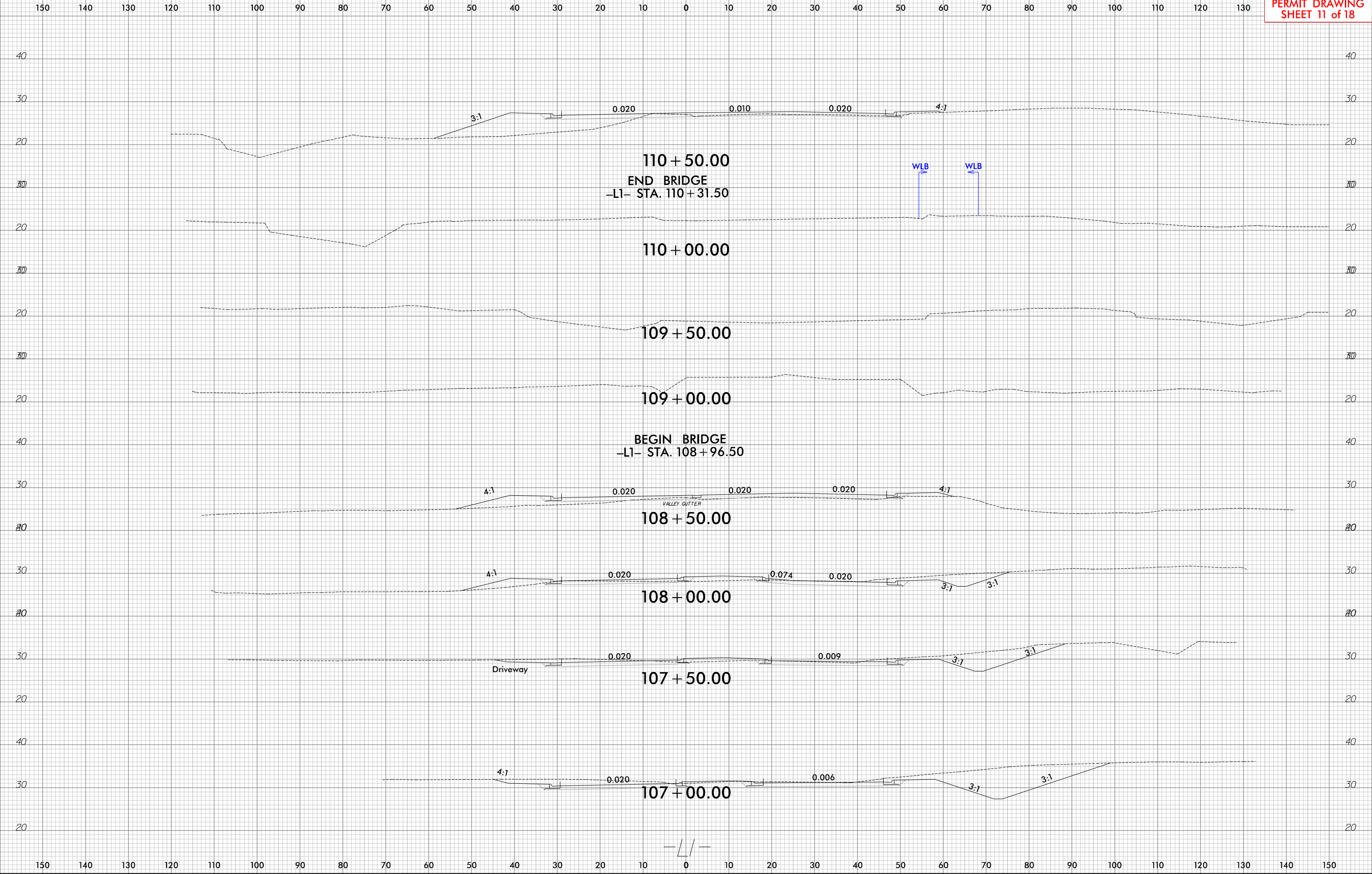
6/23/16



PROJ. REFERENCE NO.
U-5785

SHEET NO.
X-34

PERMIT DRAWING
SHEET 11 of 18



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5/14/99

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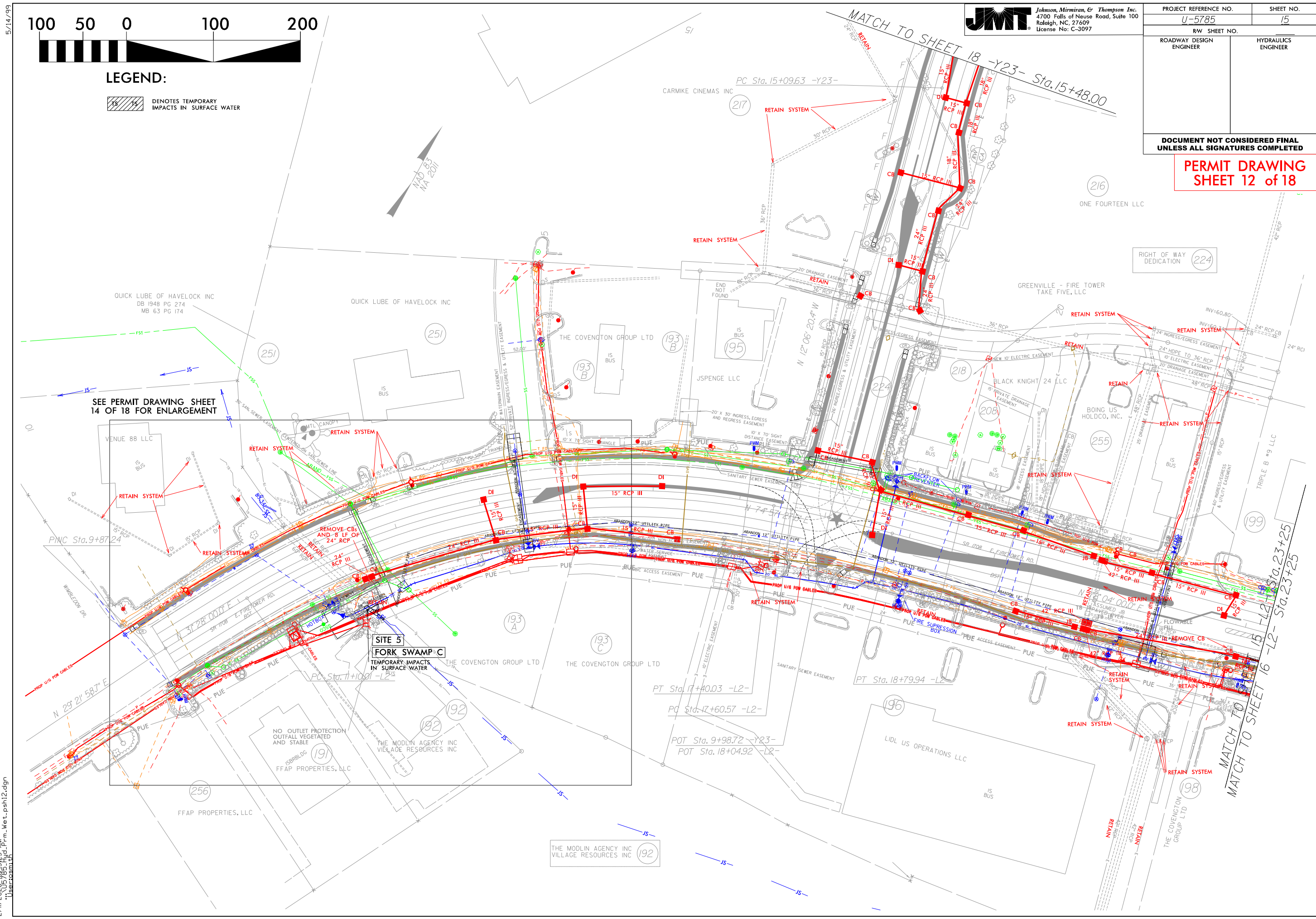
15 19 DENOTES TEMPORARY IMPACTS IN SURFACE WATER

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PROJECT REFERENCE NO. U-5785	SHEET NO. 15
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PERMIT DRAWING SHEET 12 of 18



SEE PERMIT DRAWING SHEET 14 OF 18 FOR ENLARGEMENT

SITE 5 FORK SWAMP C TEMPORARY IMPACTS IN SURFACE WATER

2/11/2025 10:45:25 AM User:cosm12.dgn

5/14/99

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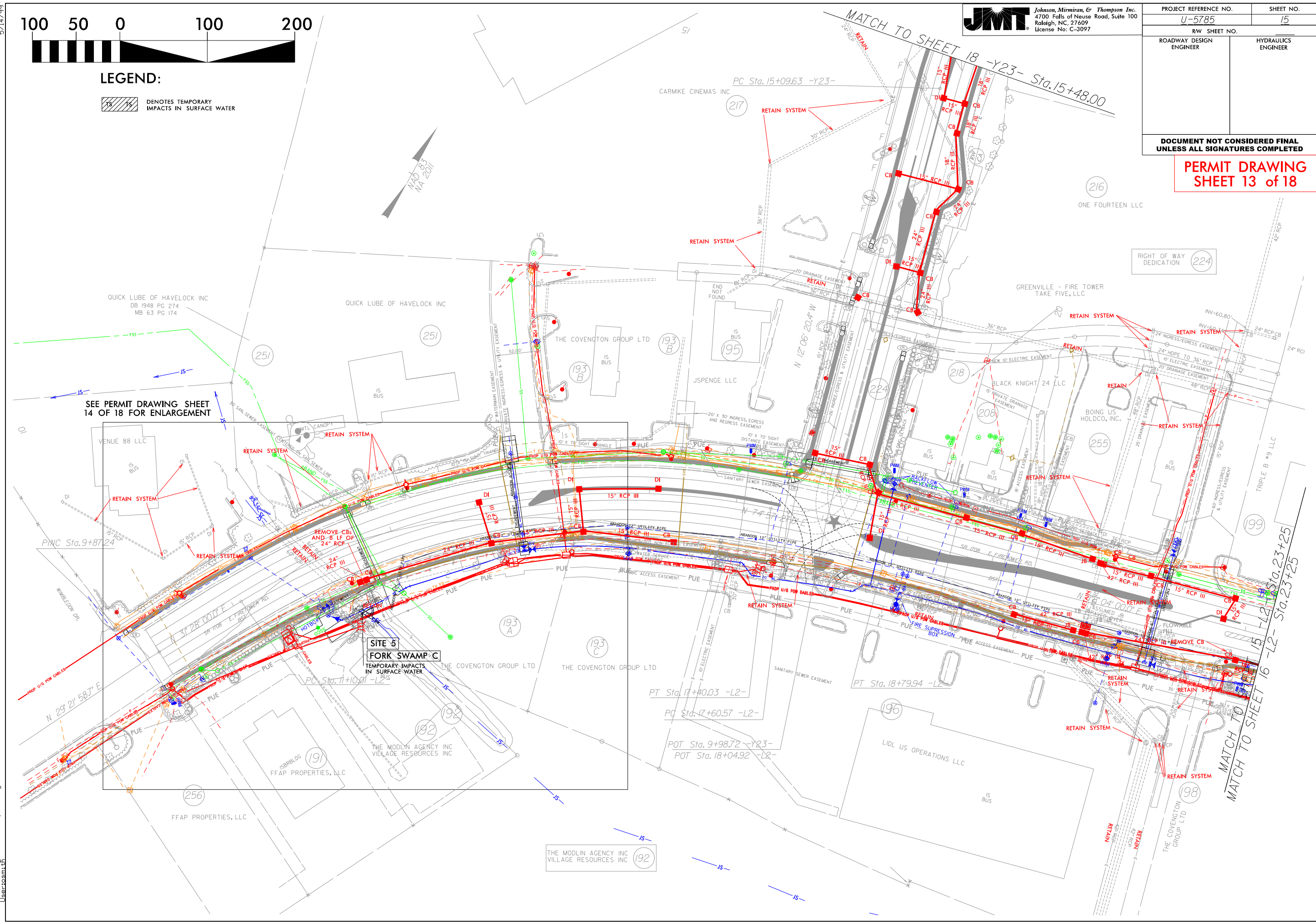
DENOTES TEMPORARY IMPACTS IN SURFACE WATER

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License No: C-3097

PROJECT REFERENCE NO. U-5785	SHEET NO. 15
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PERMIT DRAWING SHEET 13 of 18





SEE PERMIT DRAWING SHEET 14 OF 18 FOR ENLARGEMENT

SITE 5
FORK SWAMP C
TEMPORARY IMPACTS
IN SURFACE WATER

2/11/2016 10:51:02 AM
User: osam13
User: osam13.dgn

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LEGEND:

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



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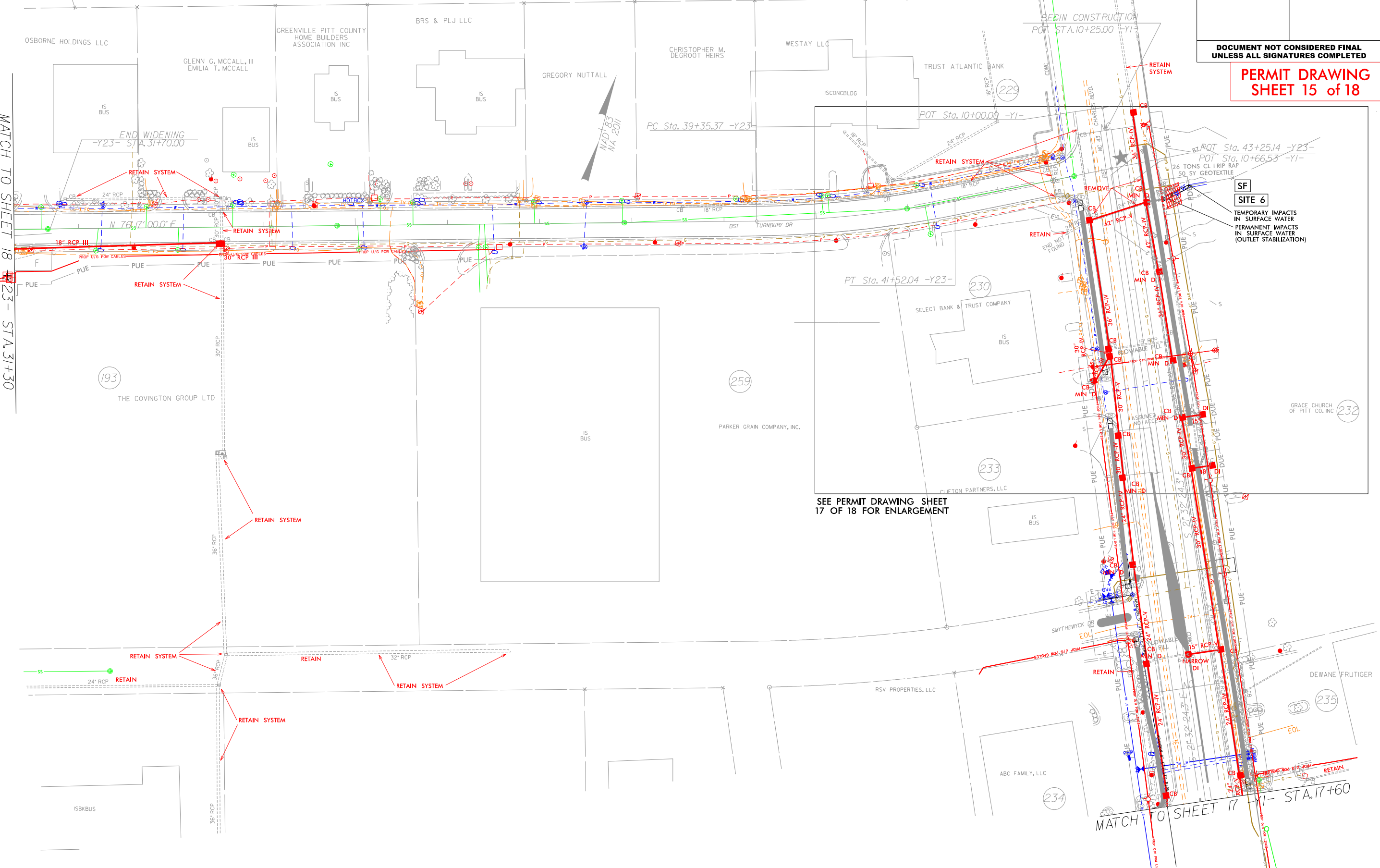
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RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

**PERMIT DRAWING
SHEET 15 of 18**



MATCH TO SHEET 18
23 - STA. 31+30

2/11/2026 10:00 AM
User: osm15.dgn



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LEGEND:

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



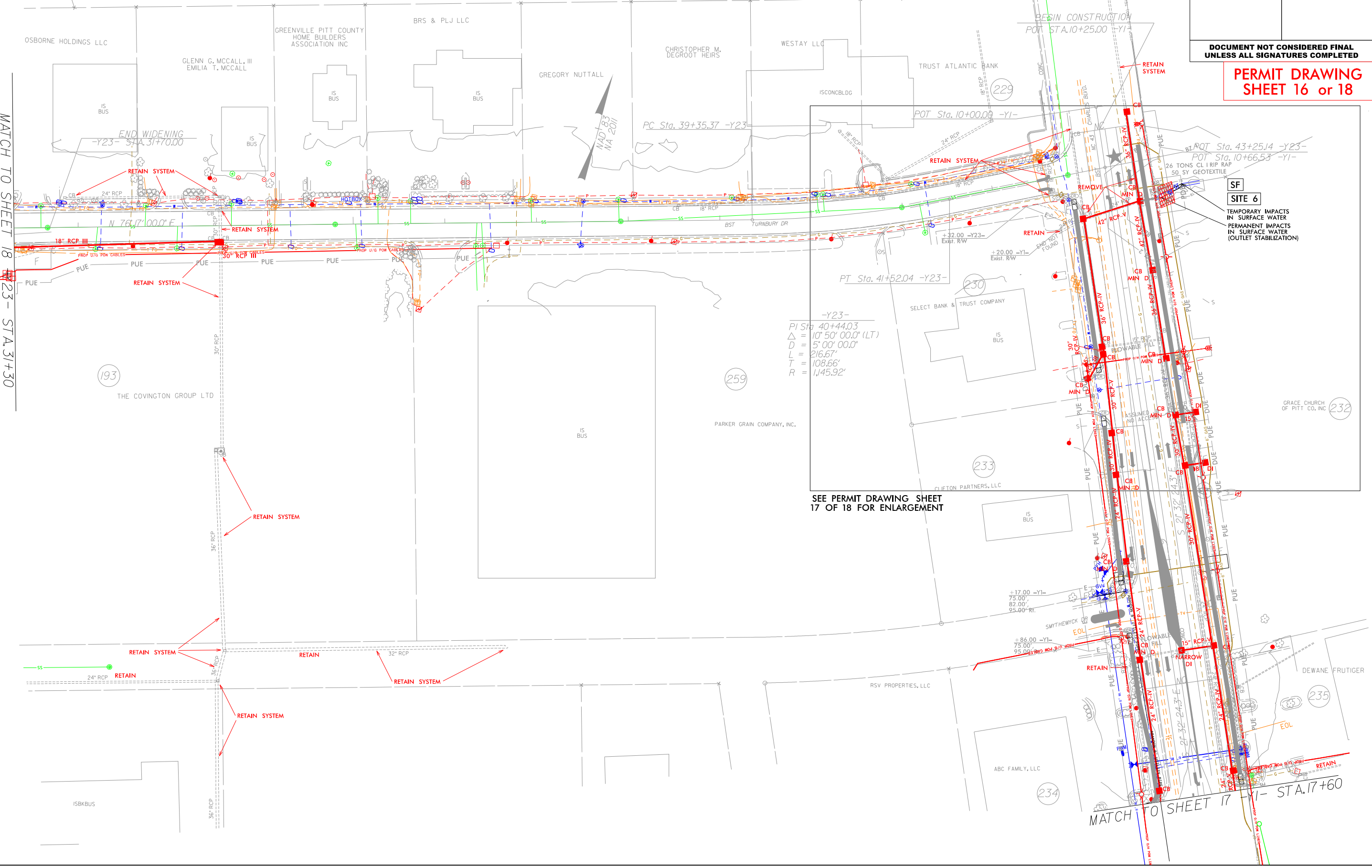
JMT Johnson, Mirmiran, & Thompson Inc.
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 Raleigh, NC, 27609
 License No. C-3097

PROJECT REFERENCE NO.	SHEET NO.
U-5785	19
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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PERMIT DRAWING SHEET 16 of 18

MATCH TO SHEET 18
 23 - STA. 31+30



SEE PERMIT DRAWING SHEET 17 OF 18 FOR ENLARGEMENT

SF SITE 6
 TEMPORARY IMPACTS IN SURFACE WATER
 PERMANENT IMPACTS IN SURFACE WATER (OUTLET STABILIZATION)

2/11/2026 10:34:22 AM
 User: osm...

5/14/99



LEGEND:

DENOTES TEMPORARY IMPACTS IN SURFACE WATER

DENOTES IMPACTS IN SURFACE WATER

JMT Johnson, Mirmiran, & Thompson Inc.
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Raleigh, NC, 27609
License No: C-3097

PROJECT REFERENCE NO. U-5785	SHEET NO. 19
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ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

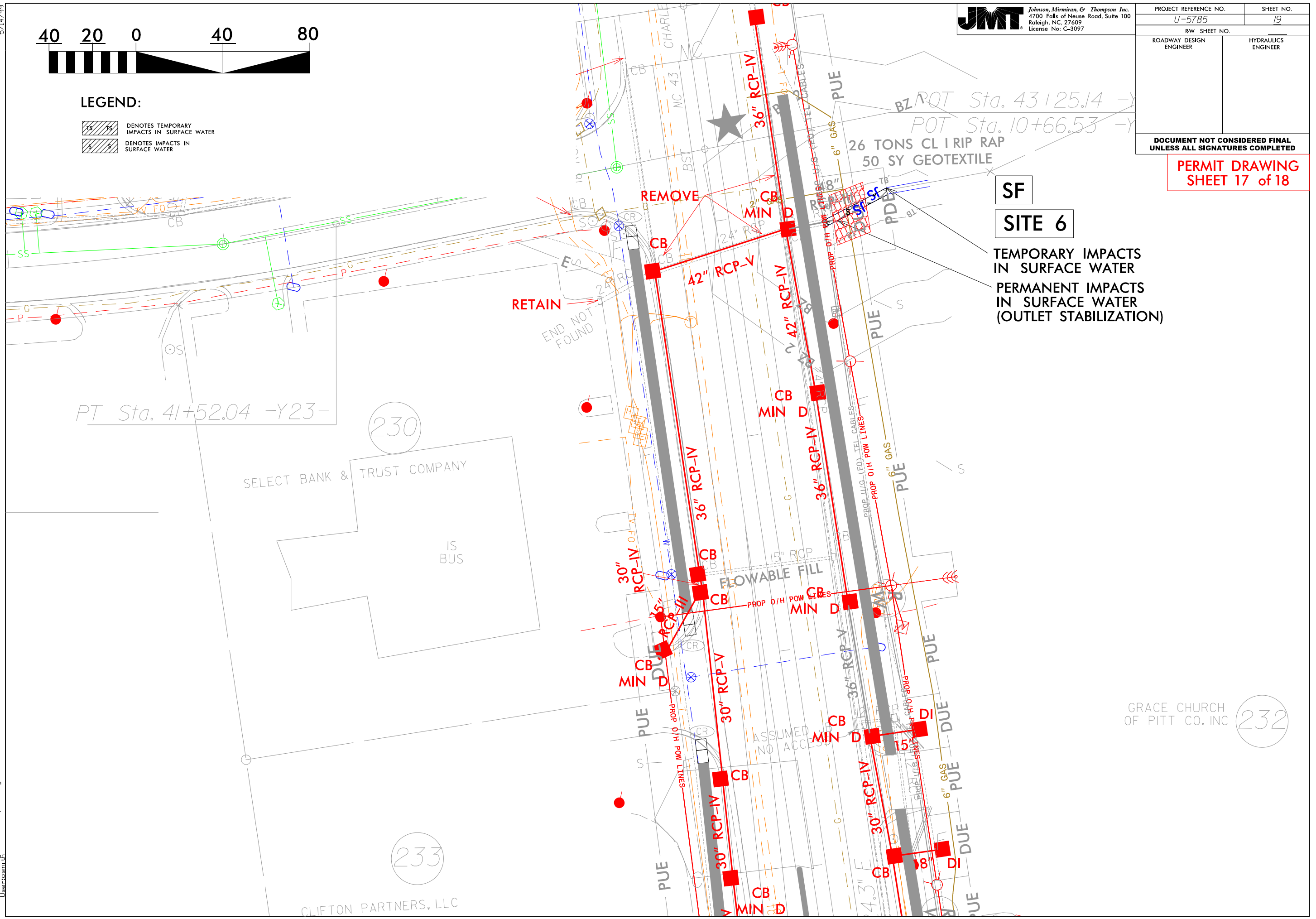
**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

**PERMIT DRAWING
SHEET 17 of 18**

SF
SITE 6

TEMPORARY IMPACTS
IN SURFACE WATER

PERMANENT IMPACTS
IN SURFACE WATER
(OUTLET STABILIZATION)



2/11/2025 10:45:15 AM
User: osm17.dgn

WETLAND AND SURFACE WATER IMPACTS SUMMARY

Site No.	Station (From/To)	Structure Size / Type	WETLAND IMPACTS					SURFACE WATER IMPACTS				
			Permanent Fill In Wetlands	Temp. Fill In Wetlands	Excavation in Wetlands	Mechanized Clearing in Wetlands	Hand Clearing in Wetlands (Conversion)	Permanent SW impacts	Temp. SW impacts	Existing Channel Impacts Permanent	Existing Channel Impacts Temp.	Natural Stream Design
			(ac)	(ac)	(ac)	(ac)	(ac)	(ac)	(ac)	(ft)	(ft)	(ft)
1	-L1- 95+28 to 95+46	Culvert Replacement						< 0.01	< 0.01	90	17	
		Bank Stabilization						< 0.01		20		
2	-L1- 109+07 to 109+54	Utility Installation/ Clearing					0.03					
3	-L1- 109+30 to 109+82	Bridge Construction						0.02			53	
4	-L1- 109+90 to 110+15	Rip Rap	< 0.01									
5	-L2- 12+25 to 12+45	Utility Installation						< 0.01	< 0.01		26	
6	-Y1- 11+12 to 10+97	Rip Rap & Utility Installation						< 0.01	< 0.01	22	11	
TOTALS*:			< 0.01				0.03	< 0.01	0.04	132	107	0

*Rounded totals are sum of actual impacts

NOTES:

NC DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 03/12/2026
 PITT
 U-5785
 44357.1.1