



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

J.R. "JOEY" HOPKINS
SECRETARY

July 19, 2024

U.S. Army Corps of Engineers Charlotte Regulatory Field Office
8430 University Executive Park Drive, Suite 615
Charlotte, NC 28262

ATTN: Mr. Steve Brumagin, NCDOT Regulatory Coordinator

Subject: Request for Modification to Individual Section 404 Permit and Section 401 Water Quality Certification for U-2579 AA and AB, the Winston-Salem Northern Beltway (Eastern Section of Future I-74), from US 311 to I-40; Federal Aid Project No. NHF-0918(14), Division 9. Debit \$570 from WBS No. 34839.3.GV5.

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
- Modification Application for U-2579AB temporary access dated February 28, 2023
- Modification Application for U-2579AA dated March 24, 2023
- Modification Application for U-2579AA and AB dated July 18, 2023 (revised 8.16.20023)

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.

Mailing Address:
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Fax: (336) 703-6693
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Location:
375 SILAS CREEK PARKWAY
WINSTON-SALEM, NC 27127

Website: ncdot.gov

- Permit Modification for U-2579AB, dated February 10, 2021.
- Permit Modification for U-2579AB noise wall addition and U-2579AA, dated July 29, 2022
- Permit Modification for U-2579AB temporary access dated March 9, 2023.
- Permit Modification for U-2579AA dated May 3, 2023.
- Permit Modification for U-2579AA and AB dated 8.21.2023

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; Revision 9, dated March 9, 2023; Revision 10, dated April 27, 2023; Revision 11 dated August 21, 2023.

Dear Sir:

The purposes of this modification are as follows:

1. To account for 18’ linear feet of permanent bank stabilization impacts at permit site 3 on the U-2579AB project. The permanent impacts overlap with the previously permitted 12’ of temporary impacts at site 3. See table 1.
2. We also have changes to the permit plans on U-2579AA with no changes to the permit impact numbers. The changes are summarized as follows:
 - a. Permits sites 12A and 12B: The 24" RCP and the 48" CSP join into a single pipe before discharging into the dissipater. The dissipater alignment is shifted.
 - b. Plan sheets 5 and 6 stormwater revision: the stormwater system has been revised by removing a proposed pipe system and allowing the stormwater to flow into a ditch and the crossing under the off ramp in a new 48” RCP . The stormwater will ultimately outlet at the original location at non-erosive velocities and the proposed ditches do not need to be modified to control erosion.

Mitigation Requirements

Since the bank stabilization does not result in a ‘loss of water’ no additional mitigation is being proposed.

Threatened and Endangered Species and Section 106 of Historic Preservation Act

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

Table 1* : Impact Revisions at permit site 3 on U-2579AB in the Yadkin River Basin.

| Site | Stream ID | Stream Type (I/P) | Impact Type | REVISED Permanent Impacts (linear feet) | REVISED Temporary Impacts (linear feet) | ADDITIONAL Impacts Requiring USACE Mitigation |
|------|-----------|-------------------|-------------|---|---|---|
| 3 | ESE-S61# | I | 54”RCP | 137 | 12 0 | 0 |
| | | | Bank | 0 | 18 | 0 |

| | | | | | | |
|--|--|--|---------------|--|--|----------|
| | | | Stabilization | | | |
| Total ADDITIONAL Impacts Requiring USACE Mitigation | | | | | | 0 |

*This table shows how the impacts and mitigation requirements were revised at U-2579AB site 3 since permit application dated November 23, 2021.

Regulatory Approvals

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

Section 401: We are hereby requesting a modification to the 401 Water Quality Certification (WQC004131) from the NCDWR for Sections U-2579AB and U-2579AA. We believe this work is permissible under an Infield modification with no fee requirement as there is no DWR required mitigation. However, if a fee is required, please debit WBS no. 34839.3.GV5.

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 aeliss@ncdot.gov.

Sincerely,



Amy Euliss
NCDOT Division 9 PDEA Engineer

Attachments: Plan sheet 7 with site 3 revisions for U-2579AB
Revised Impact summary sheet for U-2579AB
Sites 12A and 12B revisions for U-2579AA
Plan sheets 5 and 6 with stormwater revisions for U-2579AA

cc: Kaylie Yankura, DWR
Bill Barrett, NCDOT EAU
Kevin Hedrick, PE Division 9 Resident Engineer
Larry Shaver, Division 9 Resident Engineer

| | |
|---|-----------------------|
| PROJECT REFERENCE NO. U-2579AB | SHEET NO. 7 |
| RW SHEET NO. | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |
| INCOMPLETE PLANS DO NOT USE FOR A/W ACQUISITION | |

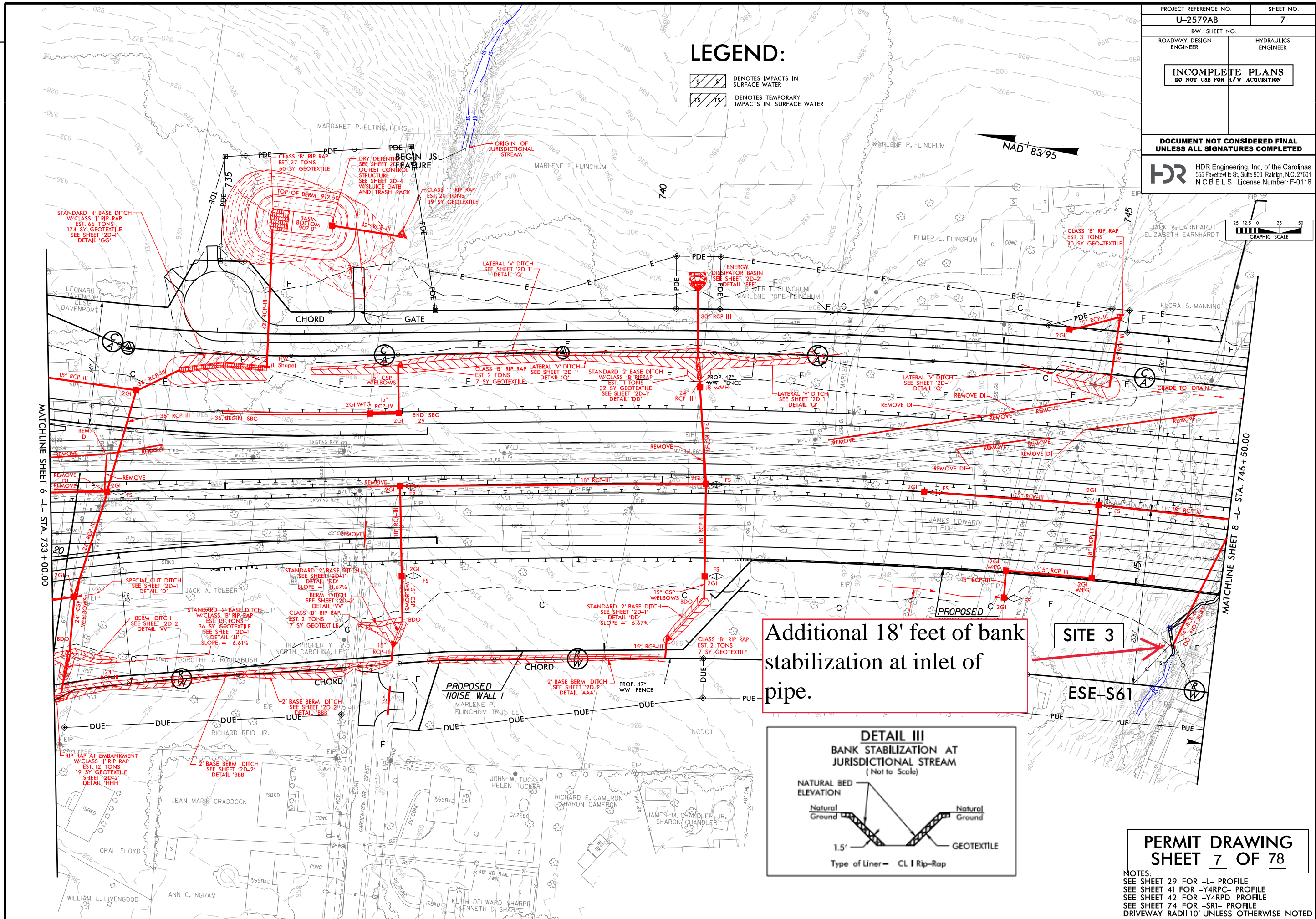
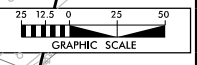
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

HDR 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

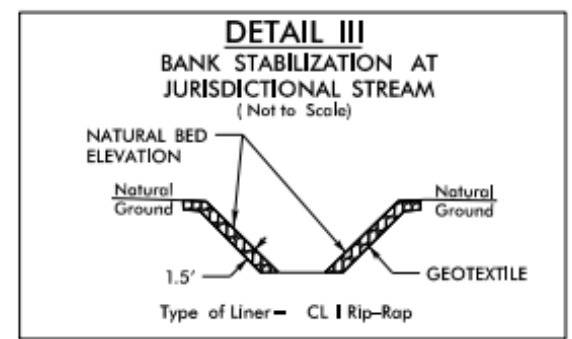
NAD 83/95



Additional 18' feet of bank stabilization at inlet of pipe.

SITE 3

ESE-S61

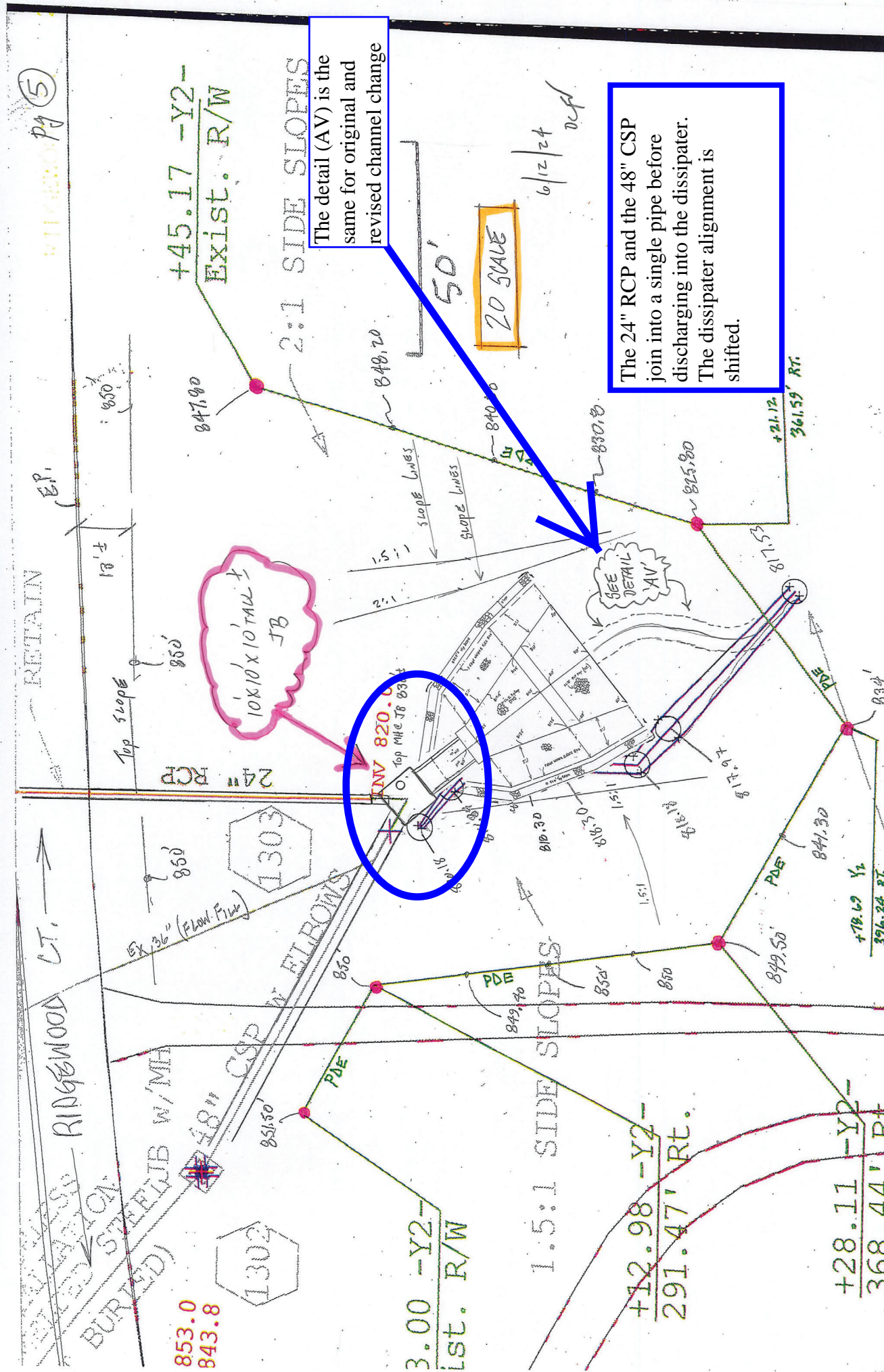


PERMIT DRAWING SHEET 7 OF 78

NOTES:
SEE SHEET 29 FOR -L- PROFILE
SEE SHEET 41 FOR -Y4RDC- PROFILE
SEE SHEET 42 FOR -Y4RPD- PROFILE
SEE SHEET 74 FOR -SR1- PROFILE
DRIVEWAY RADII 10' UNLESS OTHERWISE NOTED

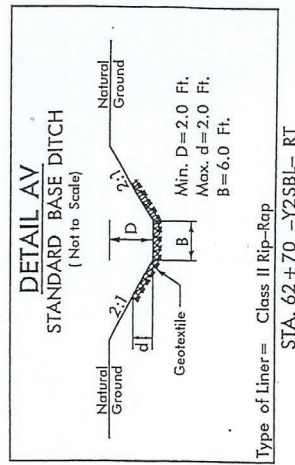
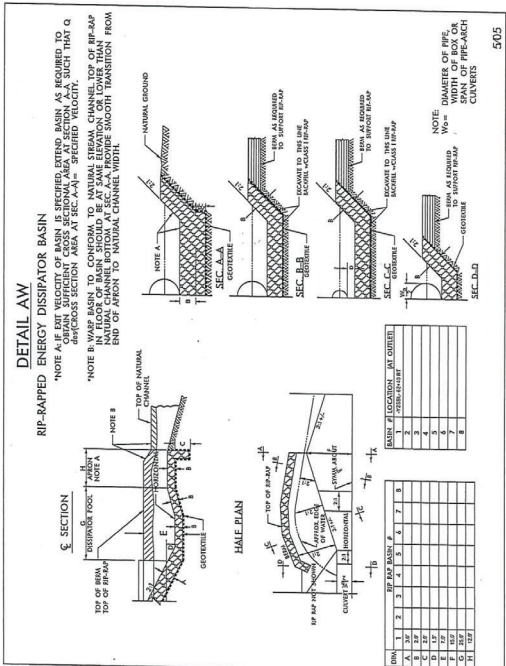
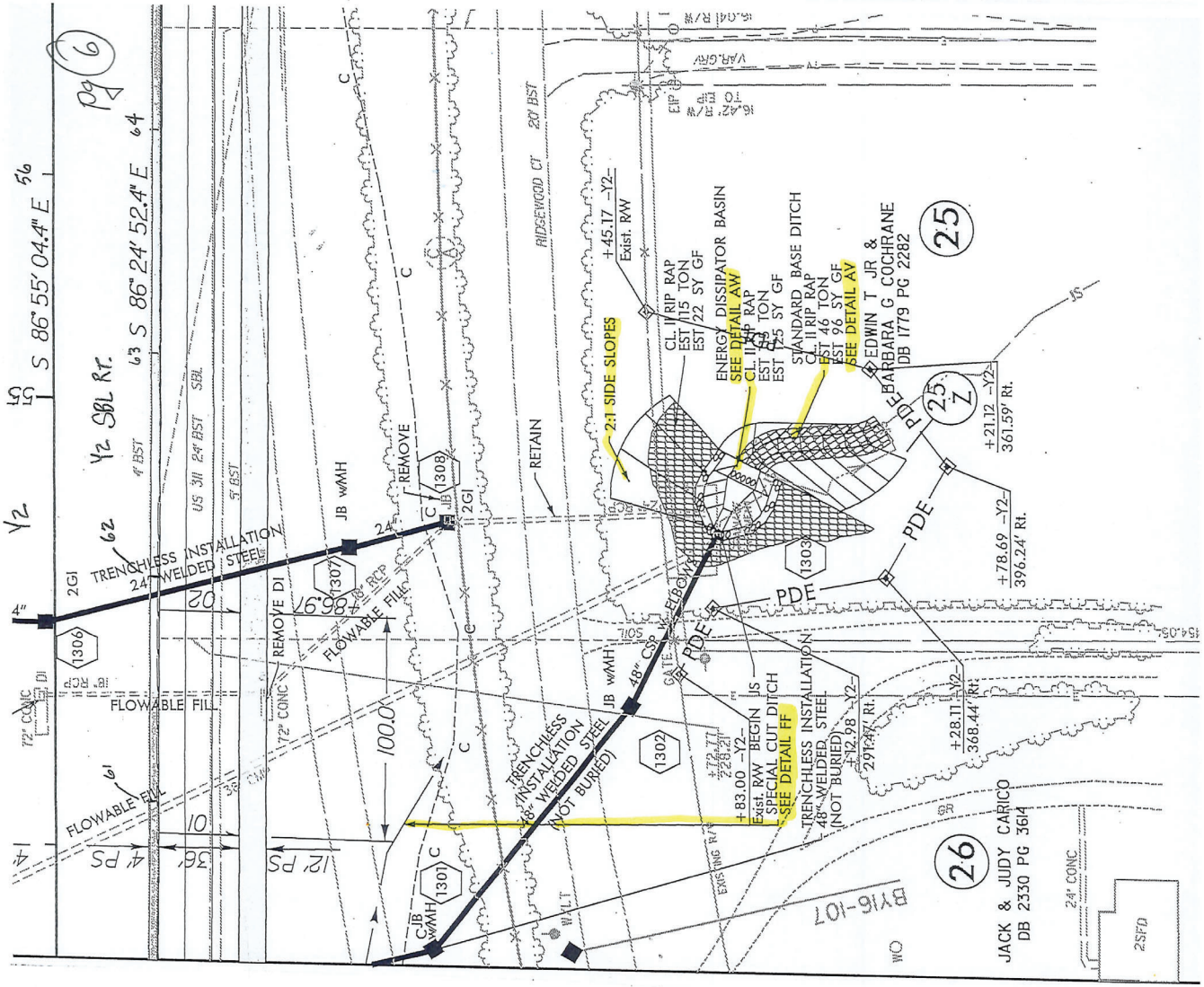
PLOT DRIVER: NCDOT_color_eng_100.plt
 USER: NIMOWACK
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 REVISIONS
 ROW REV. - FEBRUARY 22, 2019 - ROW ALTERED TO ENCOMPASS PARCEL 72 - SWP

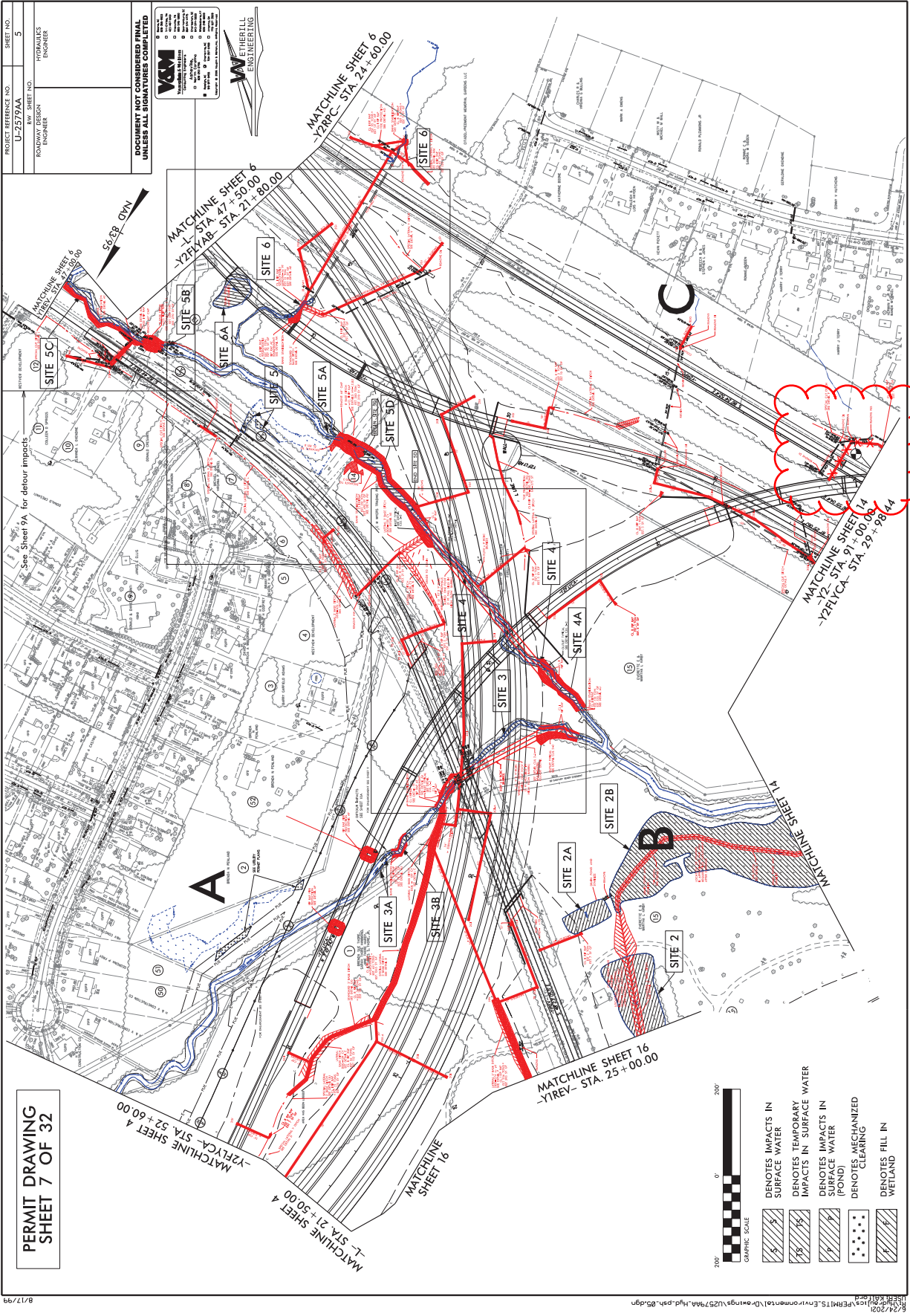
Site 12A/12B revision: note relocated dissipater. no changes in stream impact length or loss of water impacts



Site 12A/12B permitted version

ORIGINAL





| | |
|-----------------------|---------------------|
| PROJECT REFERENCE NO. | U-2579AA |
| REV. SHEET NO. | 5 |
| DESIGNED BY | HYDRAULICS ENGINEER |
| CHECKED BY | ENGINEER |

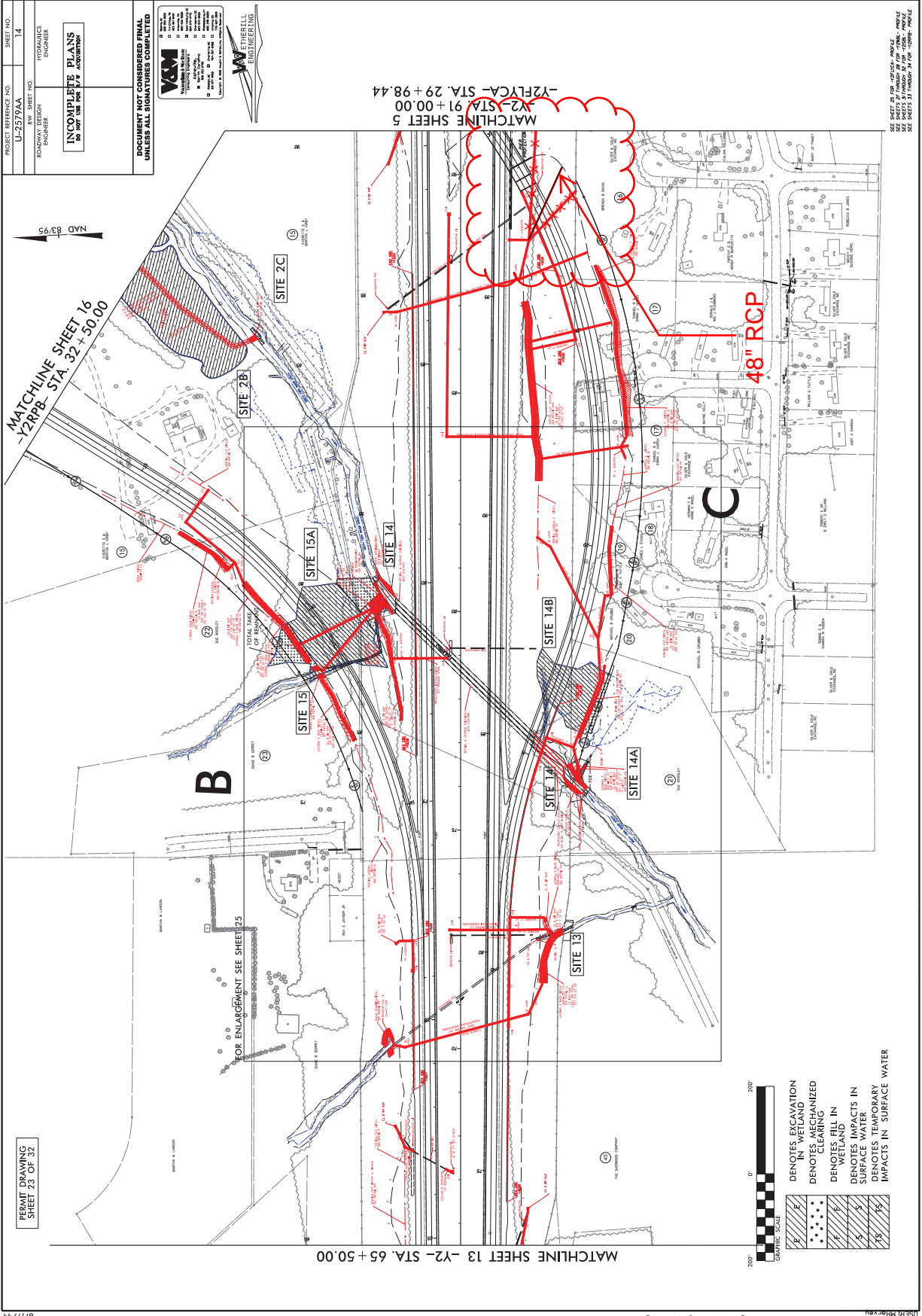
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PERMIT DRAWING
 SHEET 7 OF 32

Stormwater revision to plan sheets 5 and 6: no changes in jurisdictional impacts.



PROJECT REFERENCE NO. U-2579AA
 SHEET NO. 14
 ROADWAY DESIGN ENGINEER
 HYDRAULICS ENGINEER
**INCOMPLETE PLANS
 DO NOT USE FOR P.P. ACQUISITION**

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VERRILLI & MANNING ENGINEERS

SEE SHEET 25 FOR "PERFORM" PROFILE
 SEE SHEET 26 FOR "PROPOSED" PROFILE
 SEE SHEET 27 FOR "EXISTING" PROFILE
 SEE SHEETS 28 THROUGH 34 FOR "CONCRETE" PROFILE
 SEE SHEETS 35 THROUGH 39 FOR "CONCRETE" PROFILE

PERMIT DRAWING SHEET 23 OF 32

MATCHLINE SHEET 13 -Y2- STA. 65 + 50.00

MATCHLINE SHEET 5 -Y2FLYCA- STA. 29 + 98.44

FOR ENLARGEMENT SEE SHEET 25

GRAPHIC SCALE

0' 100' 200'

DENOTES EXCAVATION IN WETLAND
 DENOTES MECHANIZED EXCAVATION
 DENOTES FILL IN WETLAND
 DENOTES IMPACTS IN SURFACE WATER
 DENOTES TEMPORARY IMPACTS IN SURFACE WATER

8/17/99

5/2/2021 10:16:11 AM PERMITS Environmental Drawings\2579AA_Hyd.ppt\p51_14.dgn