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8.17.799

Place Matting for Erosion Control on Slopes Adjacent to Permitted Wetlands as Work Allows.

Modified Silt Basin Type 'B' 41 x 27 x 3 8 ft. weir (See Tiered Skimmer Basin Detail) ID 11.1

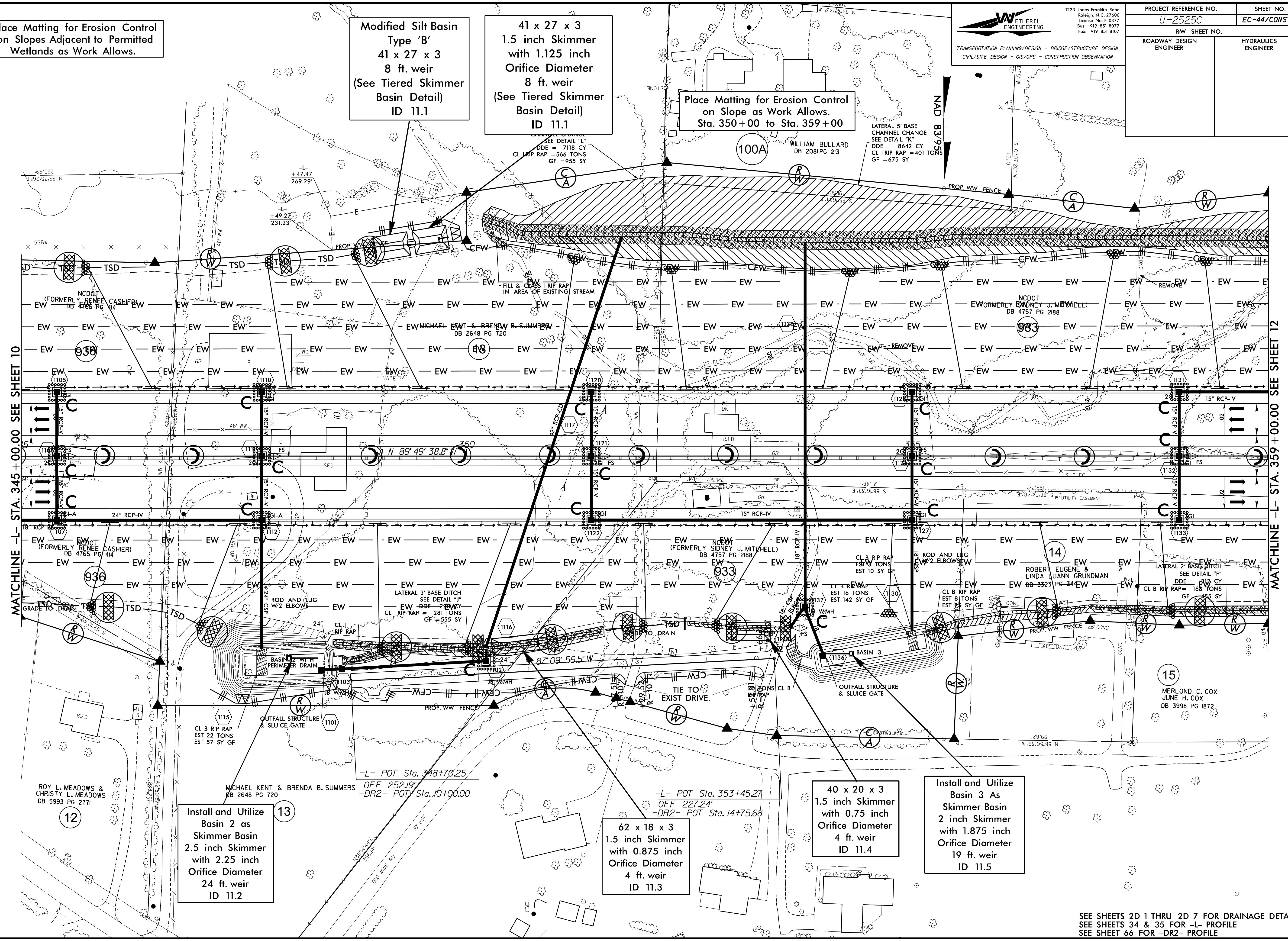
41 x 27 x 3 1.5 inch Skimmer with 1.125 inch Orifice Diameter 8 ft. weir (See Tiered Skimmer Basin Detail) ID 11.1

Place Matting for Erosion Control on Slope as Work Allows. Sta. 350+00 to Sta. 359+00

**WETHERILL ENGINEERING**  
 1223 Jones Franklin Road  
 Raleigh, N.C. 27606  
 License No. F-0377  
 Bus: 919 851 8077  
 Fax: 919 851 8107

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

PROJECT REFERENCE NO. <b>U-2525C</b>	SHEET NO. <b>EC-44/CONST.II</b>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



MATCHLINE -L- STA. 345+00.00 SEE SHEET 10

MATCHLINE -L- STA. 359+00.00 SEE SHEET 12

Install and Utilize Basin 2 as Skimmer Basin 2.5 inch Skimmer with 2.25 inch Orifice Diameter 24 ft. weir ID 11.2

62 x 18 x 3 1.5 inch Skimmer with 0.875 inch Orifice Diameter 4 ft. weir ID 11.3

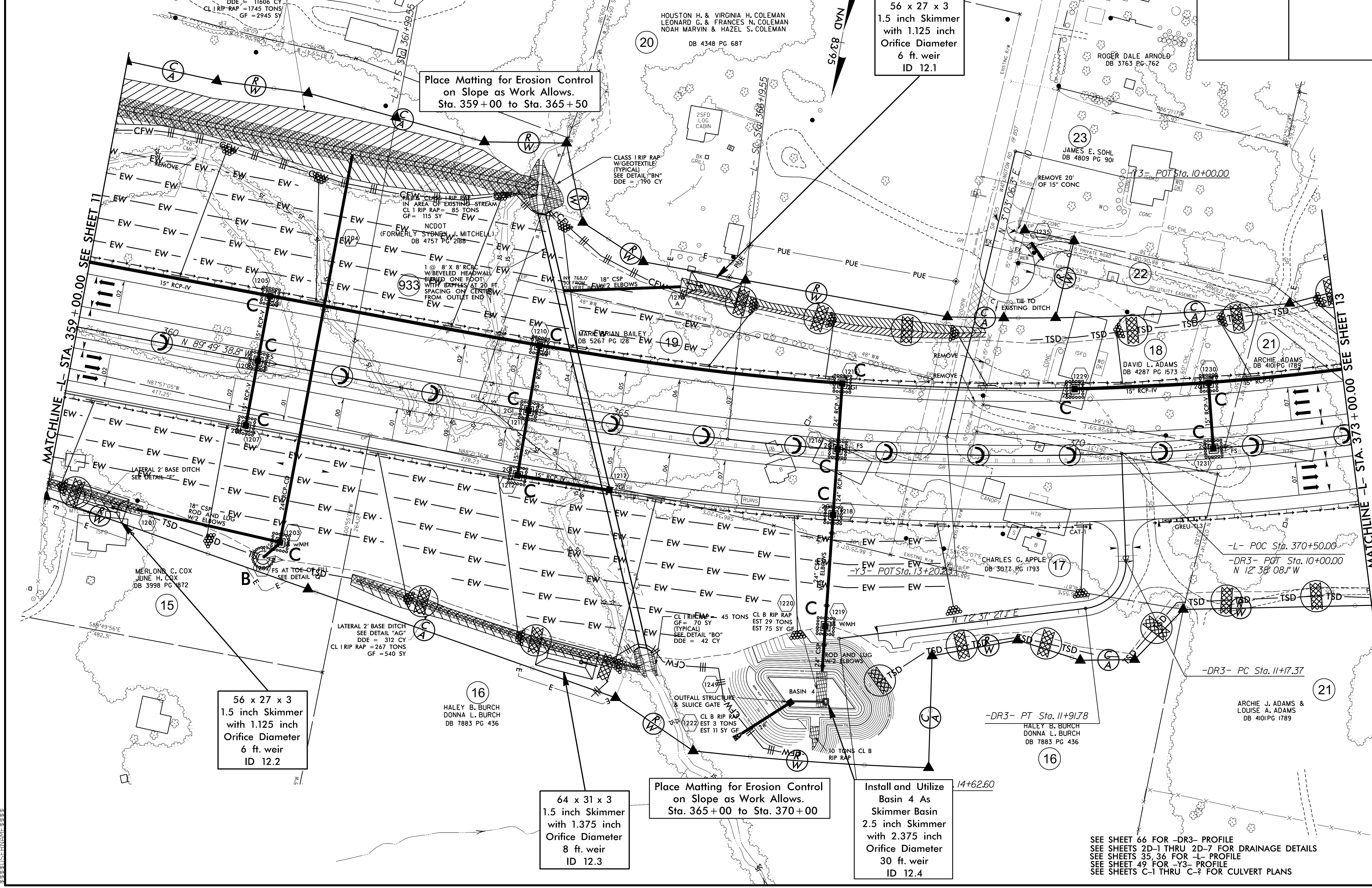
40 x 20 x 3 1.5 inch Skimmer with 0.75 inch Orifice Diameter 4 ft. weir ID 11.4

Install and Utilize Basin 3 As Skimmer Basin 2 inch Skimmer with 1.875 inch Orifice Diameter 19 ft. weir ID 11.5

SEE SHEETS 2D-1 THRU 2D-7 FOR DRAINAGE DETAILS  
SEE SHEETS 34 & 35 FOR -L- PROFILE  
SEE SHEET 66 FOR -DR2- PROFILE

8.17/99

PROJECT REFERENCE NO. <b>U-2525C</b>	SHEET NO. <b>EC-45/CONV.12</b>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



Place Matting for Erosion Control on Slope as Work Allows. Sta. 359+00 to Sta. 365+50

56 x 27 x 3  
1.5 inch Skimmer with 1.125 inch Orifice Diameter  
6 ft. weir  
ID 12.1

56 x 27 x 3  
1.5 inch Skimmer with 1.125 inch Orifice Diameter  
6 ft. weir  
ID 12.2

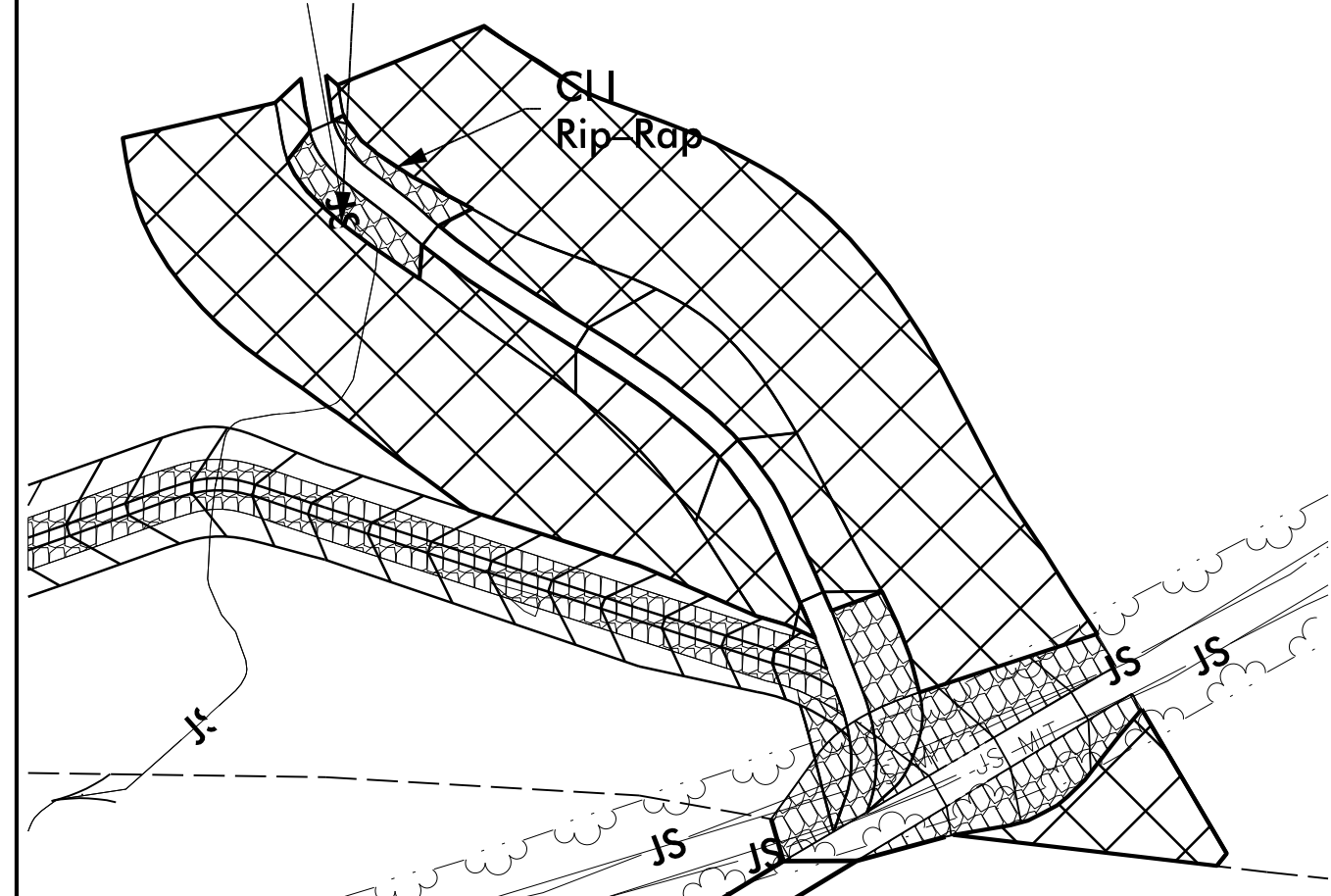
64 x 31 x 3  
1.5 inch Skimmer with 1.375 inch Orifice Diameter  
8 ft. weir  
ID 12.3

Place Matting for Erosion Control on Slope as Work Allows. Sta. 365+00 to Sta. 370+00

Install and Utilize Basin 4 As Skimmer Basin  
2.5 inch Skimmer with 2.375 inch Orifice Diameter  
30 ft. weir  
ID 12.4

SEE SHEET 66 FOR -DR3- PROFILE  
SEE SHEETS 2D-1 THRU 2D-7 FOR DRAINAGE DETAILS  
SEE SHEETS 35, 36 FOR -L- PROFILE  
SEE SHEET 49 FOR -Y3- PROFILE  
SEE SHEETS C-1 THRU C-2 FOR CULVERT PLANS

0.18 ACRE STREAMBANK REFORESTATION



SEE RF-2, RF-3 AND PROJECT SPECIAL PROVISIONS

Modified Silt Basin  
Type 'B'  
38 x 25 x 3  
7 ft. weir  
(See Tiered Skimmer  
Basin Detail)  
ID 13.1

38 x 25 x 3  
1.5 inch Skimmer  
with 1.125 inch  
Orifice Diameter  
7 ft. weir  
(See Tiered Skimmer  
Basin Detail)  
ID 13.1

Install and Utilize  
Basin 5 As  
Skimmer Basin  
2.0 inch Skimmer  
with 1.5 inch  
Orifice Diameter  
15 ft. weir  
ID 13.7

72 x 36 x 3  
1.5 inch Skimmer  
with 1.375 inch  
Orifice Diameter  
10 ft. weir  
ID 13.2

Place Matting for Erosion Control  
on Slope as Work Allows.  
Sta. 379+00 to Sta. 380+50

Place Matting for Erosion Control  
on Slope as Work Allows.  
Sta. 384+50 to Sta. 387+00

62 x 31 x 3  
1.5 inch Skimmer  
with 1.25 inch  
Orifice Diameter  
7 ft. weir  
ID 13.3

76 x 22 x 3  
1.5 inch Skimmer  
with 1.125 inch  
Orifice Diameter  
6 ft. weir  
ID 13.4

38 x 19 x 3  
1.5 inch Skimmer  
with 0.625 inch  
Orifice Diameter  
4 ft. weir  
ID 13.5

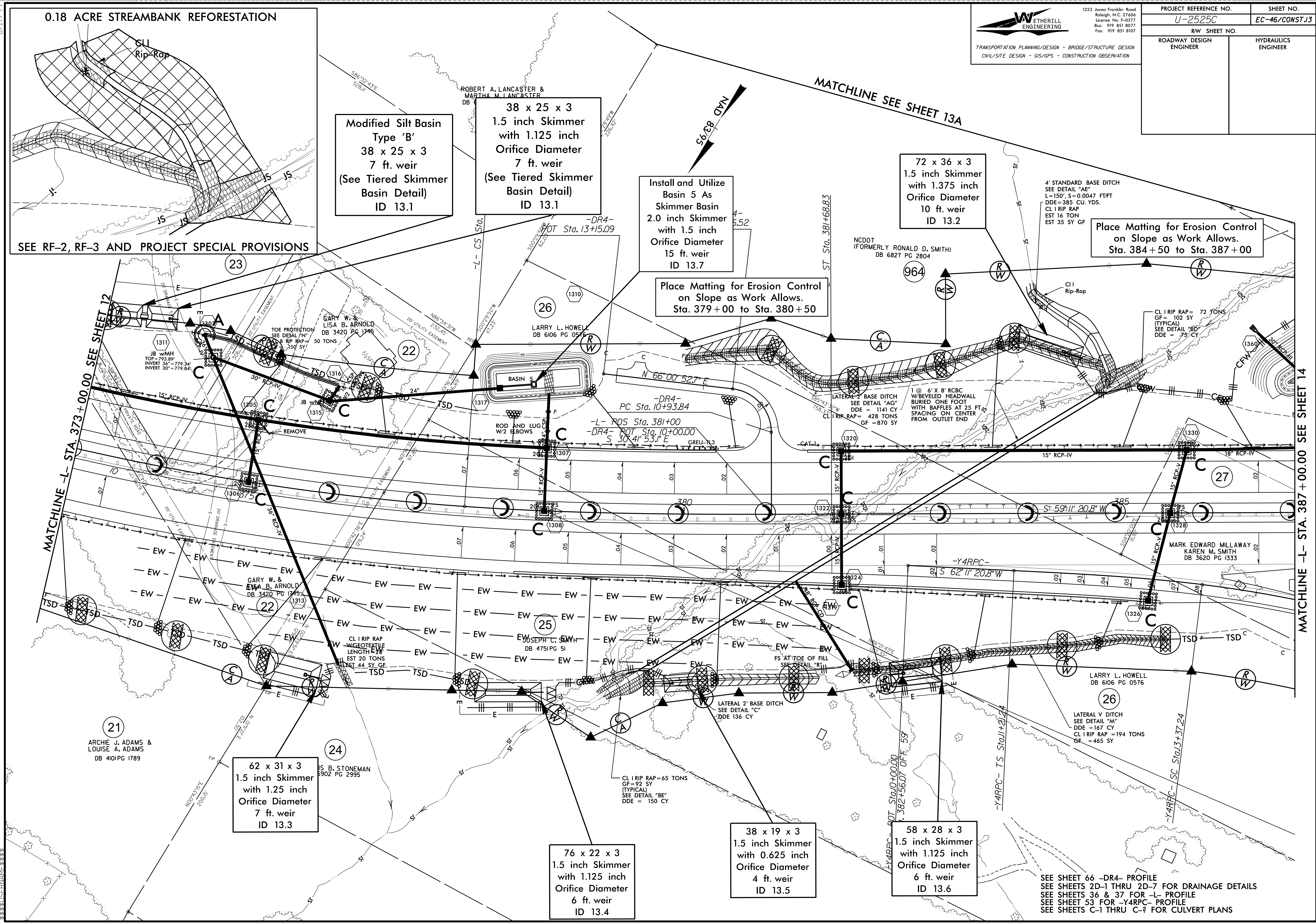
58 x 28 x 3  
1.5 inch Skimmer  
with 1.125 inch  
Orifice Diameter  
6 ft. weir  
ID 13.6

SEE SHEET 66 -DR4- PROFILE  
SEE SHEETS 2D-1 THRU 2D-7 FOR DRAINAGE DETAILS  
SEE SHEETS 36 & 37 FOR -L- PROFILE  
SEE SHEET 53 FOR -Y4RPC- PROFILE  
SEE SHEETS C-1 THRU C-2 FOR CULVERT PLANS

**WETHERILL ENGINEERING**  
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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

PROJECT REFERENCE NO. <b>U-2525C</b>	SHEET NO. <b>EC-46/CONST.13</b>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



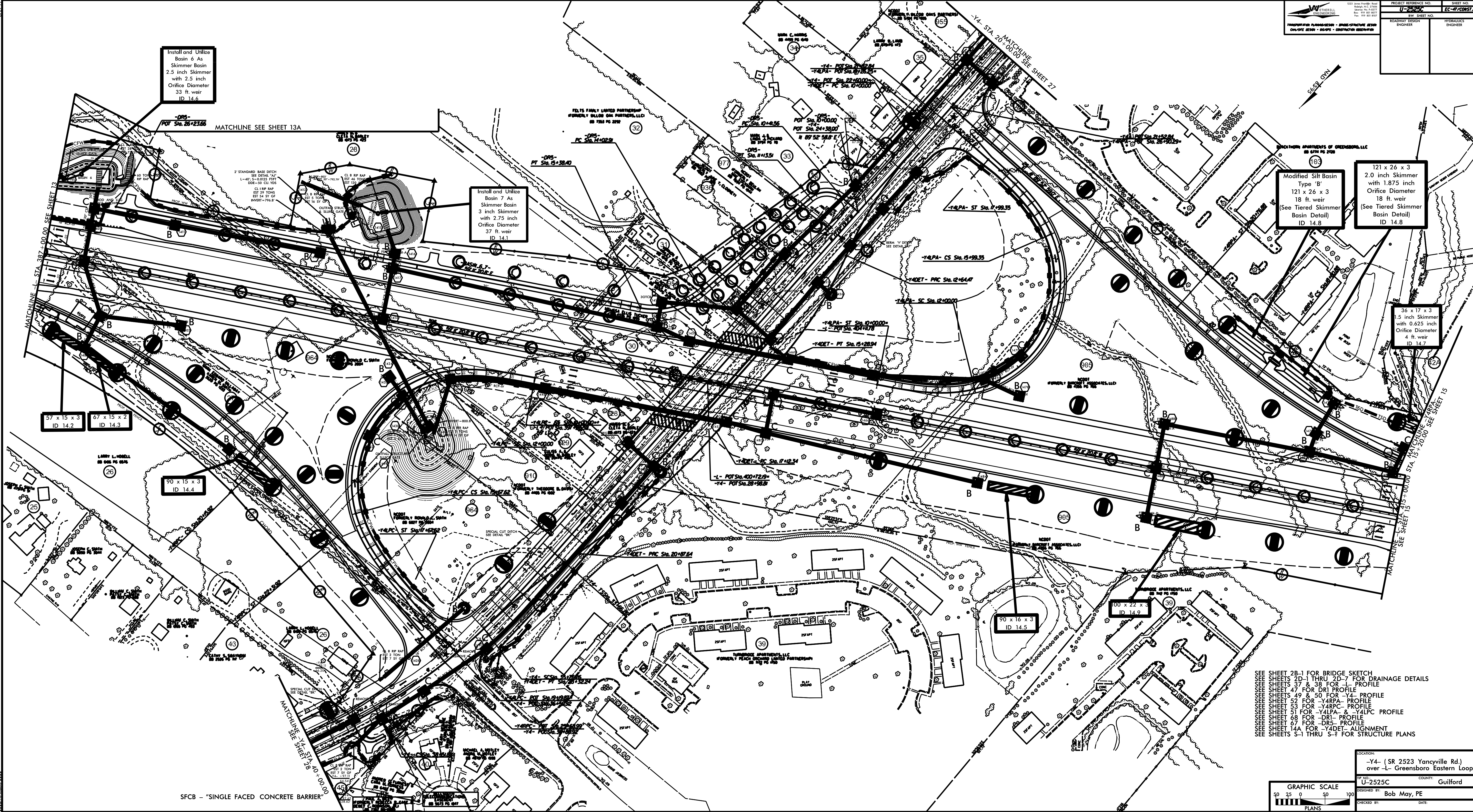
MATCHLINE -L- STA. 373+00.00 SEE SHEET 12

MATCHLINE -L- STA. 387+00.00 SEE SHEET 14

MATCHLINE SEE SHEET 13A

8.17.799

PROJECT REFERENCE NO. <b>U-2525C</b>	SHEET NO. <b>EC-4702525H</b>
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



Install and Utilize  
Basin 6 As  
Skimmer Basin  
2.5 inch Skimmer  
with 2.5 inch  
Orifice Diameter  
33 ft. weir  
ID 14.6

Install and Utilize  
Basin 7 As  
Skimmer Basin  
3 inch Skimmer  
with 2.75 inch  
Orifice Diameter  
37 ft. weir  
ID 14.1

Modified Silt Basin  
Type 'B'  
121 x 26 x 3  
18 ft. weir  
(See Tiered Skimmer  
Basin Detail)  
ID 14.8

121 x 26 x 3  
2.0 inch Skimmer  
with 1.875 inch  
Orifice Diameter  
18 ft. weir  
(See Tiered Skimmer  
Basin Detail)  
ID 14.8

36 x 17 x 3  
1.5 inch Skimmer  
with 0.625 inch  
Orifice Diameter  
4 ft. weir  
ID 14.7

57 x 15 x 3  
ID 14.2

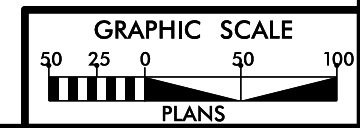
90 x 15 x 3  
ID 14.4

90 x 16 x 3  
ID 14.5

100 x 22 x 3  
ID 14.9

SEE SHEET 2B-1 FOR BRIDGE SKETCH  
SEE SHEETS 2D-1 THRU 2D-7 FOR DRAINAGE DETAILS  
SEE SHEETS 37 & 38 FOR -L- PROFILE  
SEE SHEET 47 FOR DRI PROFILE  
SEE SHEETS 49 & 50 FOR -Y4- PROFILE  
SEE SHEET 52 FOR -Y4RPA- PROFILE  
SEE SHEET 53 FOR -Y4RCP- PROFILE  
SEE SHEET 51 FOR -Y4LPA- & -Y4LPC- PROFILE  
SEE SHEET 68 FOR -DRI- PROFILE  
SEE SHEET 67 FOR -DRS- PROFILE  
SEE SHEET 14A FOR -Y4DET- ALIGNMENT  
SEE SHEETS S-1 THRU S-7 FOR STRUCTURE PLANS

SFCB - "SINGLE FACED CONCRETE BARRIER"



LOCATION -Y4- (SR 2523 Yancyville Rd.) over -L- Greensboro Eastern Loop	COUNTY Guilford
PROJECT NO. U-2525C	DESIGNED BY Bob May, PE
CHECKED BY	DATE

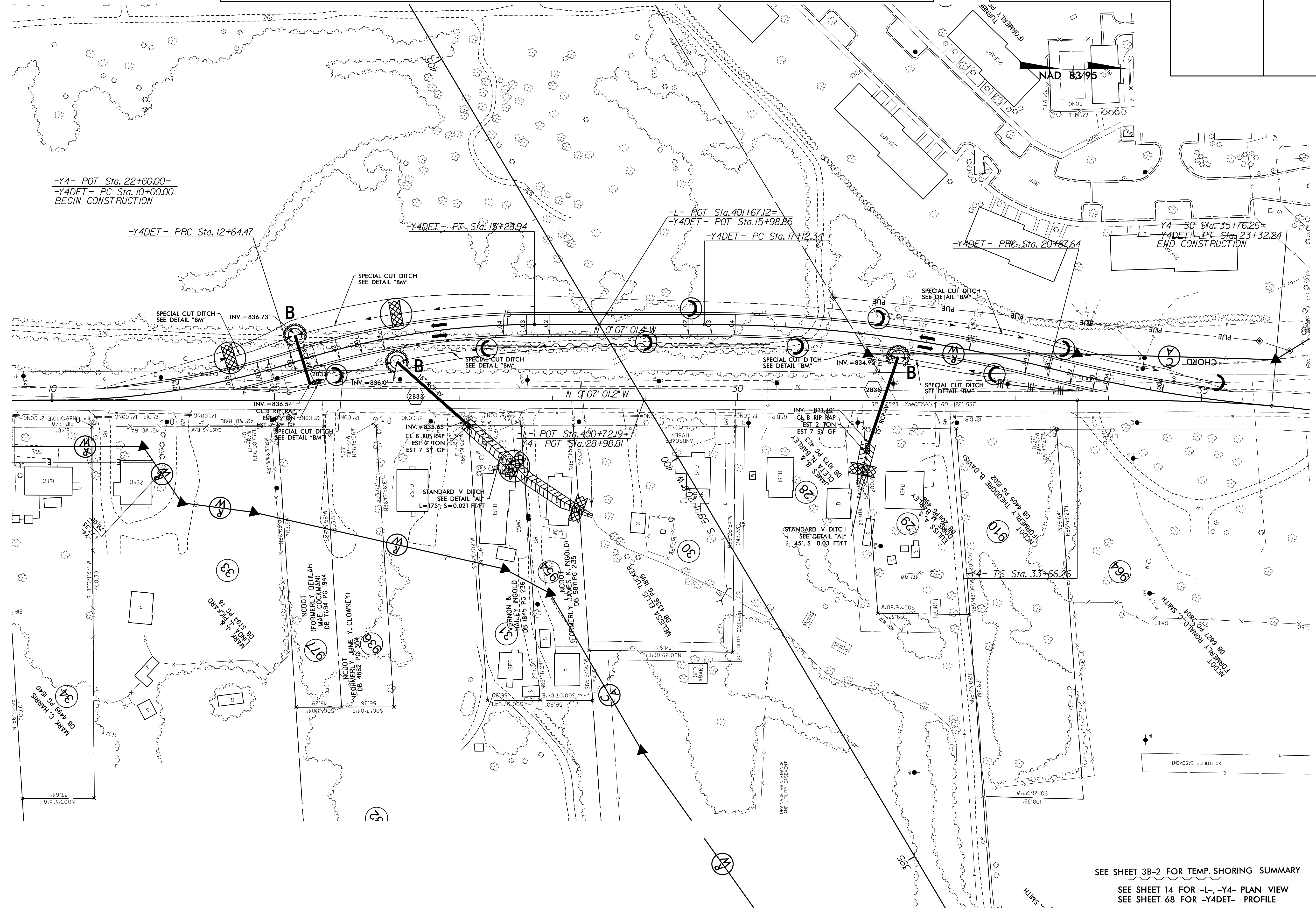
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# DETAIL OF -Y4DET- (YANCEVILLE RD.) VDES. = 40 MPH

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 License No. F-3077  
 Bus: 919 851 8077  
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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

PROJECT REFERENCE NO.	SHEET NO.
U-2525C	EC-48/CONST.14A
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



SEE SHEET 3B-2 FOR TEMP. SHORING SUMMARY  
 SEE SHEET 14 FOR -L-, -Y4- PLAN VIEW  
 SEE SHEET 68 FOR -Y4DET- PROFILE

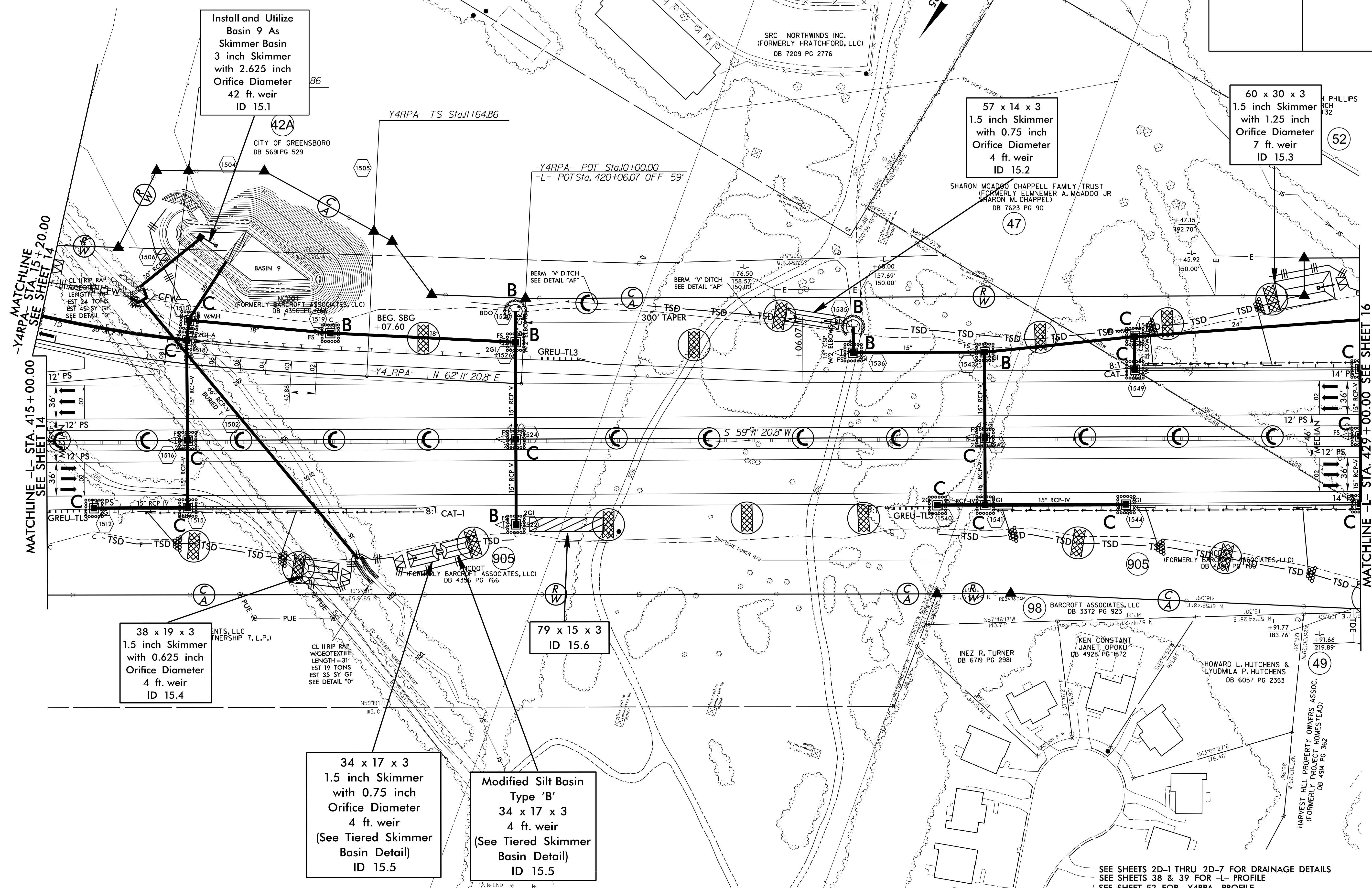
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 DRAWN BY: [illegible]  
 CHECKED BY: [illegible]  
 APPROVED BY: [illegible]

8.17.799

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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

PROJECT REFERENCE NO. <b>U-2525C</b>	SHEET NO. <b>EC-49/CONV.J5</b>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



SEE SHEETS 2D-1 THRU 2D-7 FOR DRAINAGE DETAILS  
 SEE SHEETS 38 & 39 FOR -L- PROFILE  
 SEE SHEET 52 FOR -Y4RPA- PROFILE

8.17/99

PROJECT REFERENCE NO. <b>U-2525C</b>	SHEET NO. <b>EC-50/CONV.J6</b>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

Place Matting for Erosion Control  
 on Slope as Work Allows.  
 Sta. 429+00 to Sta. 433+00

PATTI CHURCH PHILLIPS  
 GARY S. CHURCH  
 DB 6254 PG 0132  
 PB 13 PG 92

49 x 14 x 3  
 ID 16.6

GARY S. &  
 VIRGINIA W. CHURCH  
 DB 3957 PG 929  
 PB 13 PG 92

Modified Silt Basin  
 Type 'B'  
 31 x 20 x 2  
 5 ft. weir  
 (See Tiered Skimmer  
 Basin Detail)  
 ID 16.1

31 x 20 x 2  
 1.5 inch Skimmer  
 with 0.375 inch  
 Orifice Diameter  
 5 ft. weir  
 (See Tiered Skimmer  
 Basin Detail)  
 ID 16.1

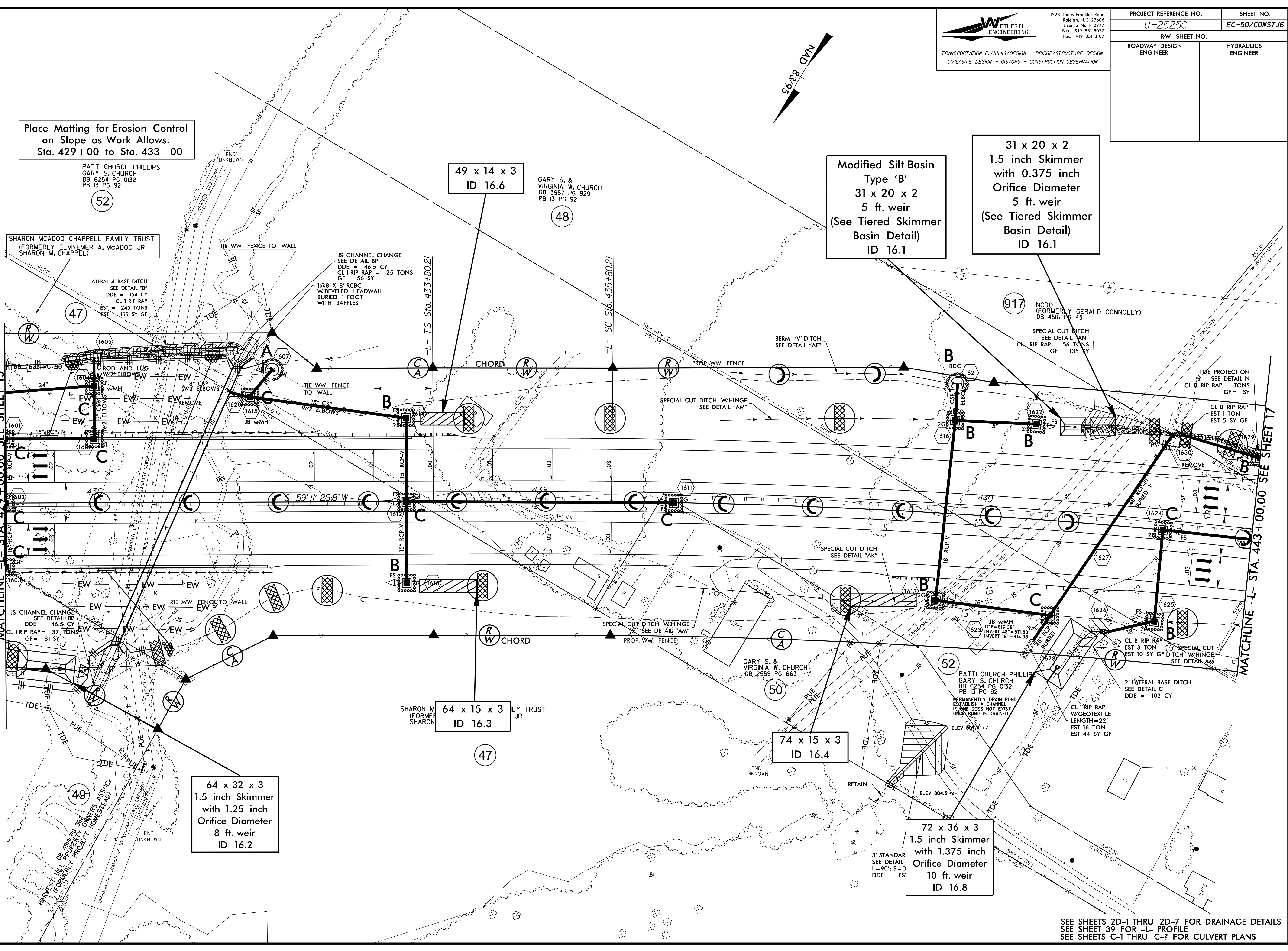
SHARON MCADOO CHAPPELL FAMILY TRUST  
 (FORMERLY ELMEMER A. MCADOO JR  
 SHARON M. CHAPPELL)

LATERAL 4' BASE DITCH  
 SEE DETAIL "B"  
 DDE = 154 CY  
 CL 1 RIP RAP  
 EST = 245 TONS  
 GF = 455 SY GF

JS CHANNEL CHANGE  
 SEE DETAIL BP  
 DDE = 46.5 CY  
 CL 1 RIP RAP = 25 TONS  
 GF = 56 SY

MATCHLINE -L- STA. 429+00.00 SEE SHEET 15

MATCHLINE -L- STA. 443+00.00 SEE SHEET 17



64 x 15 x 3  
 ID 16.3

74 x 15 x 3  
 ID 16.4

64 x 32 x 3  
 1.5 inch Skimmer  
 with 1.25 inch  
 Orifice Diameter  
 8 ft. weir  
 ID 16.2

72 x 36 x 3  
 1.5 inch Skimmer  
 with 1.375 inch  
 Orifice Diameter  
 10 ft. weir  
 ID 16.8

SEE SHEETS 2D-1 THRU 2D-7 FOR DRAINAGE DETAILS  
 SEE SHEET 39 FOR -L- PROFILE  
 SEE SHEETS C-1 THRU C-7 FOR CULVERT PLANS

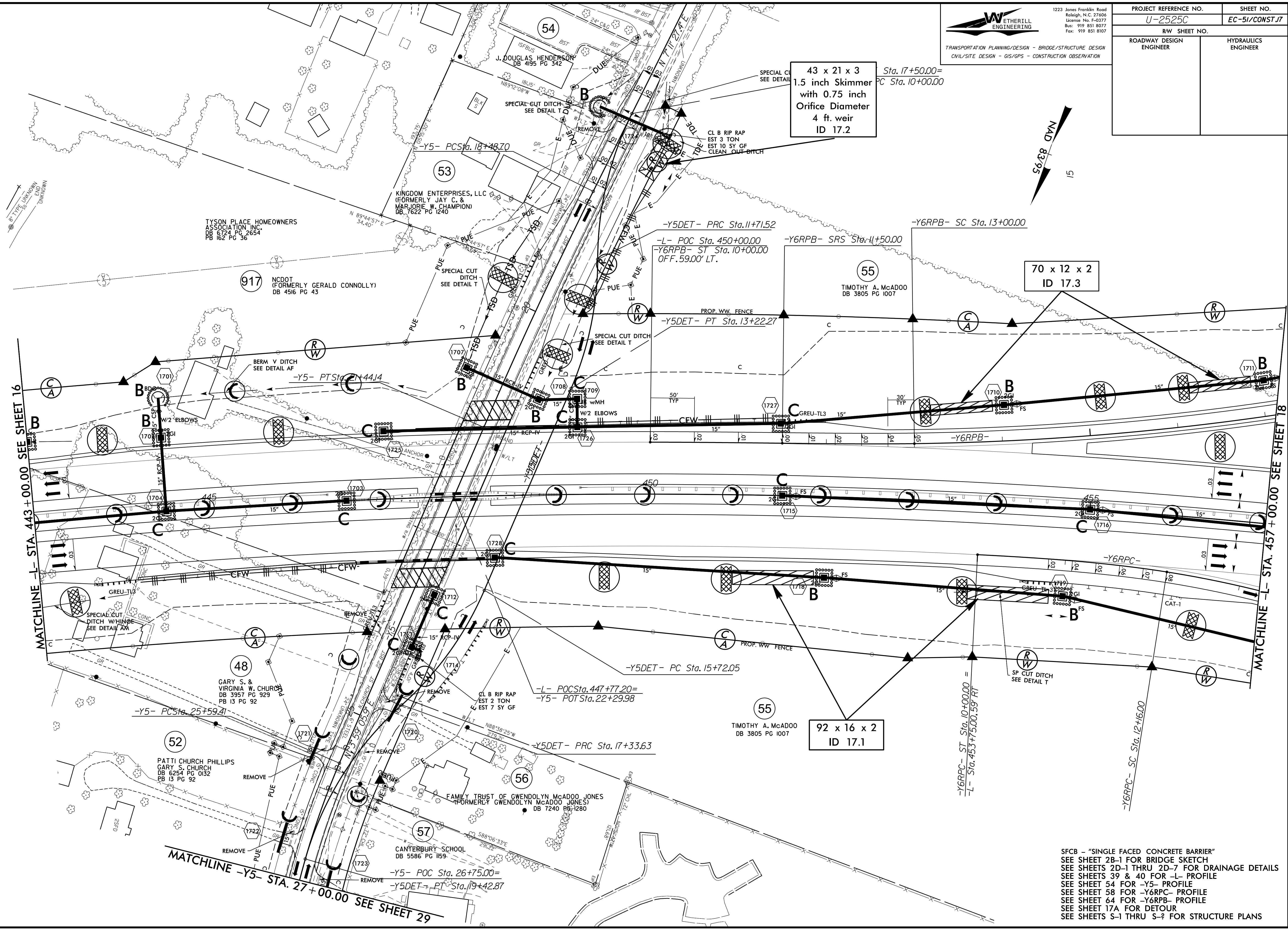


8.17.799  
C:\PROJECTS\2017\20170817\20170817.DWG  
PLOT DATE: 8/17/2017 10:58:58 AM  
PLOT BY: J. H. HARRIS  
PLOT SCALE: 1/8" = 1'-0"

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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

PROJECT REFERENCE NO.	SHEET NO.
U-2525C	EC-51/CONST.17
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



SFCB - "SINGLE FACED CONCRETE BARRIER"  
SEE SHEET 2B-1 FOR BRIDGE SKETCH  
SEE SHEETS 2D-1 THRU 2D-7 FOR DRAINAGE DETAILS  
SEE SHEETS 39 & 40 FOR -L- PROFILE  
SEE SHEET 54 FOR -Y5- PROFILE  
SEE SHEET 58 FOR -Y6RPC- PROFILE  
SEE SHEET 64 FOR -Y6RPB- PROFILE  
SEE SHEET 17A FOR DETOUR  
SEE SHEETS S-1 THRU S-2 FOR STRUCTURE PLANS

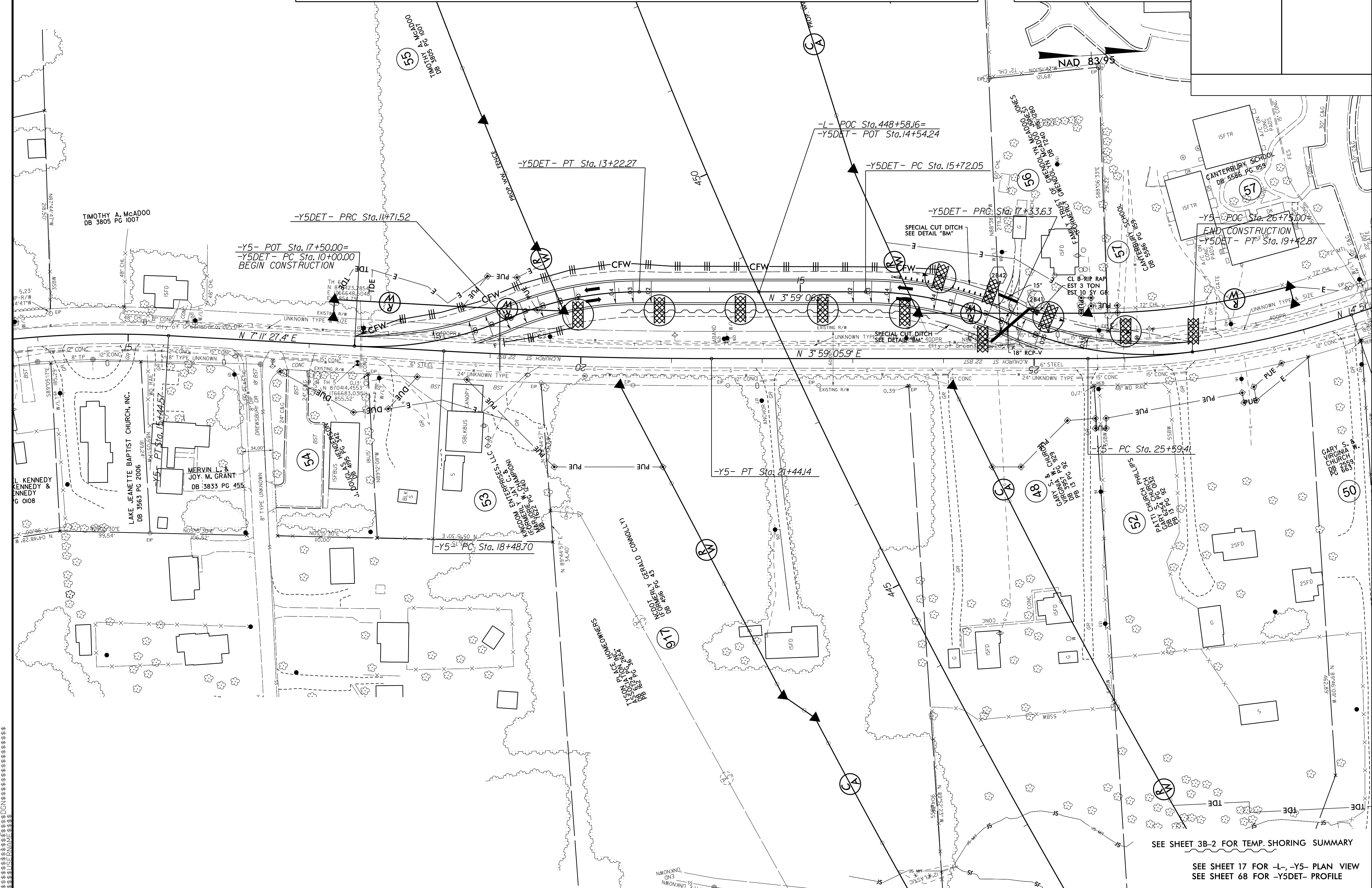
8.17/99

# DETAIL OF -Y5DET- (N. CHURCH ST.) VDES. = 35 MPH

**WETHERILL ENGINEERING**  
 TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

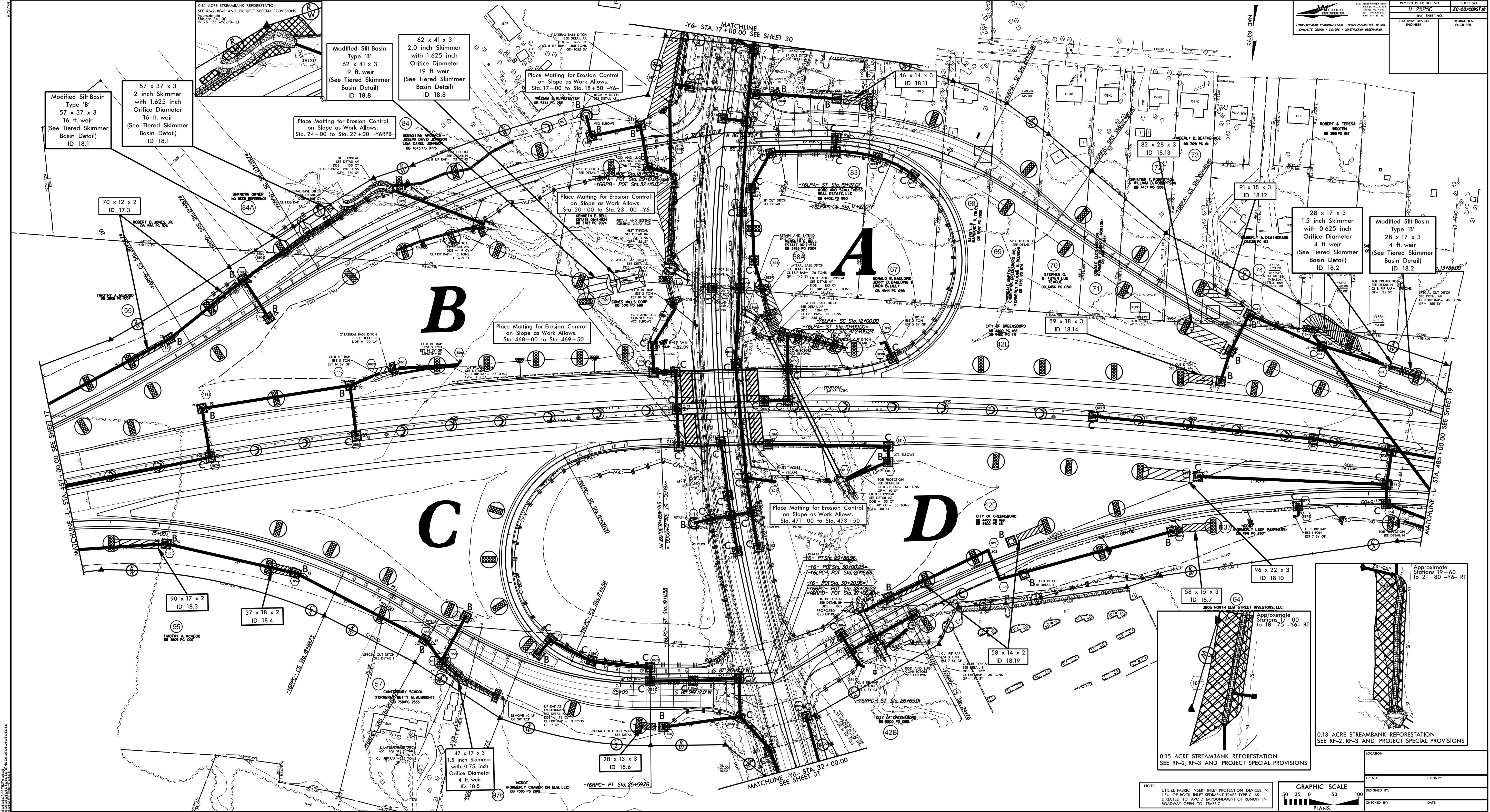
1223 Jones Franklin Road  
 Raleigh, N.C. 27606  
 License No. F-3077  
 Bus: 919 851 8077  
 Fax: 919 851 8107

PROJECT REFERENCE NO.	SHEET NO.
U-2525C	EC-52/CONST.7A
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



SEE SHEET 17 FOR -L-, -Y5- PLAN VIEW  
SEE SHEET 68 FOR -Y5DET- PROFILE

CONSTRUCTION NOTES:  
 1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NORTH CAROLINA CONSTRUCTION SPECIFICATIONS FOR HIGHWAYS AND BRIDGES.  
 2. ALL DIMENSIONS ARE IN FEET AND INCHES.  
 3. ALL UTILITY LOCATIONS ARE AS SHOWN ON THIS PLAN.  
 4. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NORTH CAROLINA CONSTRUCTION SPECIFICATIONS FOR HIGHWAYS AND BRIDGES.  
 5. ALL DIMENSIONS ARE IN FEET AND INCHES.  
 6. ALL UTILITY LOCATIONS ARE AS SHOWN ON THIS PLAN.  
 7. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NORTH CAROLINA CONSTRUCTION SPECIFICATIONS FOR HIGHWAYS AND BRIDGES.  
 8. ALL DIMENSIONS ARE IN FEET AND INCHES.  
 9. ALL UTILITY LOCATIONS ARE AS SHOWN ON THIS PLAN.  
 10. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NORTH CAROLINA CONSTRUCTION SPECIFICATIONS FOR HIGHWAYS AND BRIDGES.  
 11. ALL DIMENSIONS ARE IN FEET AND INCHES.  
 12. ALL UTILITY LOCATIONS ARE AS SHOWN ON THIS PLAN.



Modified Silt Basin Type 'B'  
 57 x 37 x 3  
 16 ft. weir  
 (See Tiered Skimmer Basin Detail)  
 ID 18.1

57 x 37 x 3  
 2 inch Skimmer with 1.625 inch Orifice Diameter  
 16 ft. weir  
 (See Tiered Skimmer Basin Detail)  
 ID 18.1

Modified Silt Basin Type 'B'  
 62 x 41 x 3  
 19 ft. weir  
 (See Tiered Skimmer Basin Detail)  
 ID 18.8

62 x 41 x 3  
 2.0 inch Skimmer with 1.625 inch Orifice Diameter  
 19 ft. weir  
 (See Tiered Skimmer Basin Detail)  
 ID 18.8

Place Matting for Erosion Control on Slope as Work Allows.  
 Sta. 24+00 to Sta. 27+00 -Y6RPB

Place Matting for Erosion Control on Slope as Work Allows.  
 Sta. 17+00 to Sta. 18+50 -Y6

Place Matting for Erosion Control on Slope as Work Allows.  
 Sta. 468+00 to Sta. 469+50

Place Matting for Erosion Control on Slope as Work Allows.  
 Sta. 471+00 to Sta. 473+50

28 x 17 x 3  
 1.5 inch Skimmer with 0.625 inch Orifice Diameter  
 4 ft. weir  
 (See Tiered Skimmer Basin Detail)  
 ID 18.2

Modified Silt Basin Type 'B'  
 28 x 17 x 3  
 4 ft. weir  
 (See Tiered Skimmer Basin Detail)  
 ID 18.2

70 x 12 x 2  
 ID 17.3

90 x 17 x 2  
 ID 18.3

37 x 18 x 2  
 ID 18.4

47 x 17 x 3  
 1.5 inch Skimmer with 0.75 inch Orifice Diameter  
 4 ft. weir  
 ID 18.5

28 x 13 x 3  
 ID 18.6

58 x 14 x 2  
 ID 18.19

96 x 22 x 3  
 ID 18.10

58 x 15 x 3  
 ID 18.7

0.13 ACRE STREAMBANK REFORESTATION  
 SEE RF-2, RF-3 AND PROJECT SPECIAL PROVISIONS

0.15 ACRE STREAMBANK REFORESTATION  
 SEE RF-2, RF-3 AND PROJECT SPECIAL PROVISIONS

Approximate Stations 17+00 to 18+75 -Y6- RT

Approximate Stations 19+60 to 21+80 -Y6- RT

NOTE: UTILIZE FABRIC INSERT INLET PROTECTION DEVICES IN LIEU OF ROCK INLET SEDIMENT TRAPS TYPE-C AS DIRECTED TO AVOID IMPROVEMENT OF RUNOFF IN ROADWAY OPEN TO TRAFFIC.

GRAPHIC SCALE  
 50 25 0 50 100  
 PLANS

DATE: \_\_\_\_\_

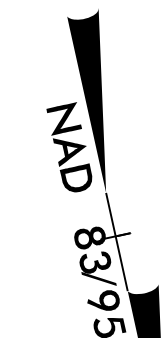
8.17/99

Place Matting for Erosion Control on Slopes Adjacent to Permitted Wetlands as Work Allows.

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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

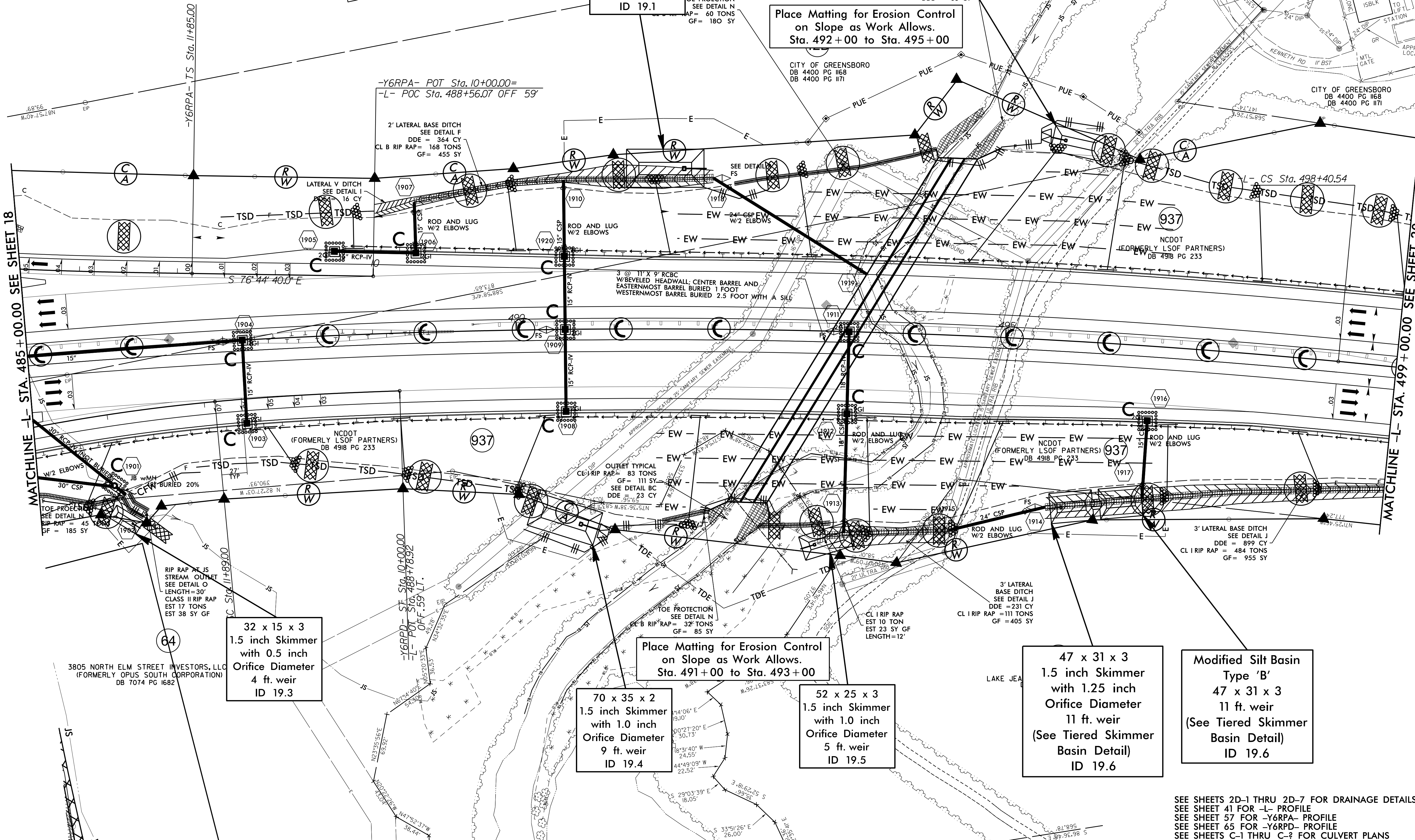
PROJECT REFERENCE NO. <b>U-2525C</b>	SHEET NO. <b>EC-54/CONSTR.19</b>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



52 x 26 x 3  
1.5 inch Skimmer  
with 1.0 inch  
Orifice Diameter  
5 ft. weir  
ID 19.2

79 x 39 x 3  
2.0 inch Skimmer  
with 1.625 inch  
Orifice Diameter  
12 ft. weir  
ID 19.1

Place Matting for Erosion Control on Slope as Work Allows. Sta. 492+00 to Sta. 495+00



MATCHLINE -L- STA. 485+00.00 SEE SHEET 18

MATCHLINE -L- STA. 499+00.00 SEE SHEET 20

32 x 15 x 3  
1.5 inch Skimmer  
with 0.5 inch  
Orifice Diameter  
4 ft. weir  
ID 19.3

70 x 35 x 2  
1.5 inch Skimmer  
with 1.0 inch  
Orifice Diameter  
9 ft. weir  
ID 19.4

Place Matting for Erosion Control on Slope as Work Allows. Sta. 491+00 to Sta. 493+00

52 x 25 x 3  
1.5 inch Skimmer  
with 1.0 inch  
Orifice Diameter  
5 ft. weir  
ID 19.5

47 x 31 x 3  
1.5 inch Skimmer  
with 1.25 inch  
Orifice Diameter  
11 ft. weir  
(See Tiered Skimmer  
Basin Detail)  
ID 19.6

Modified Silt Basin  
Type 'B'  
47 x 31 x 3  
11 ft. weir  
(See Tiered Skimmer  
Basin Detail)  
ID 19.6

3805 NORTH ELM STREET INVESTORS, LLC  
(FORMERLY OPUS SOUTH CORPORATION)  
DB 7074 PG 1682

CITY OF GREENSBORO  
DB 4400 PG 1168  
DB 4400 PG 1171

CITY OF GREENSBORO  
DB 4400 PG 1168  
DB 4400 PG 1171

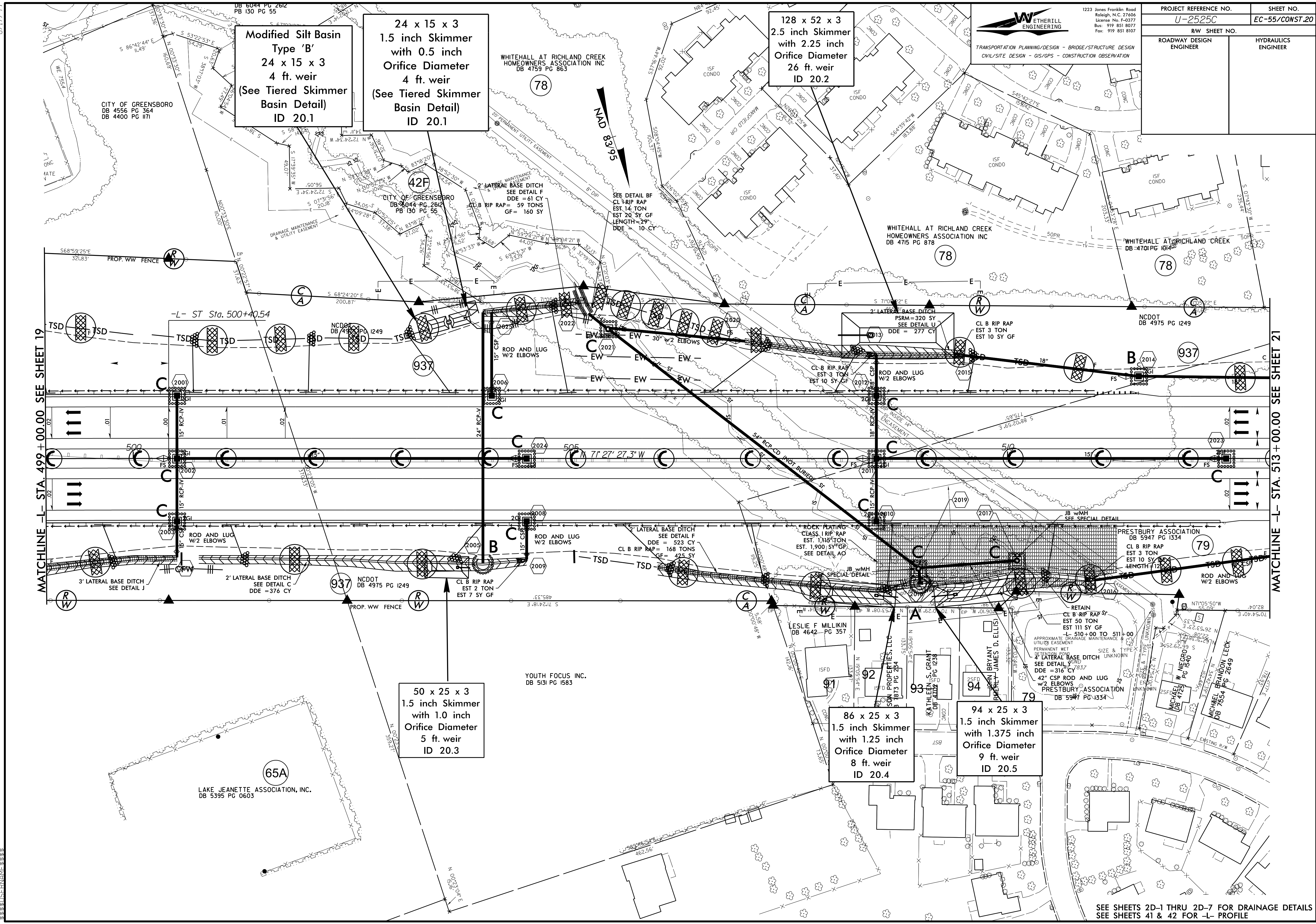
NCDOT  
(FORMERLY LSOFF PARTNERS)  
DB 4918 PG 233

NCDOT  
(FORMERLY LSOFF PARTNERS)  
DB 4918 PG 233

3' LATERAL BASE DITCH  
SEE DETAIL J  
DDE = 899 CY  
CL I RIP RAP = 484 TONS  
GF = 955 SY

SEE SHEETS 2D-1 THRU 2D-7 FOR DRAINAGE DETAILS  
SEE SHEET 41 FOR -L- PROFILE  
SEE SHEET 57 FOR -Y6RPA- PROFILE  
SEE SHEET 65 FOR -Y6RPD- PROFILE  
SEE SHEETS C-1 THRU C-2 FOR CULVERT PLANS

PROJECT REFERENCE NO. <b>U-2525C</b>	SHEET NO. <b>EC-55/CONST.20</b>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



SEE SHEETS 2D-1 THRU 2D-7 FOR DRAINAGE DETAILS  
 SEE SHEETS 41 & 42 FOR -L- PROFILE

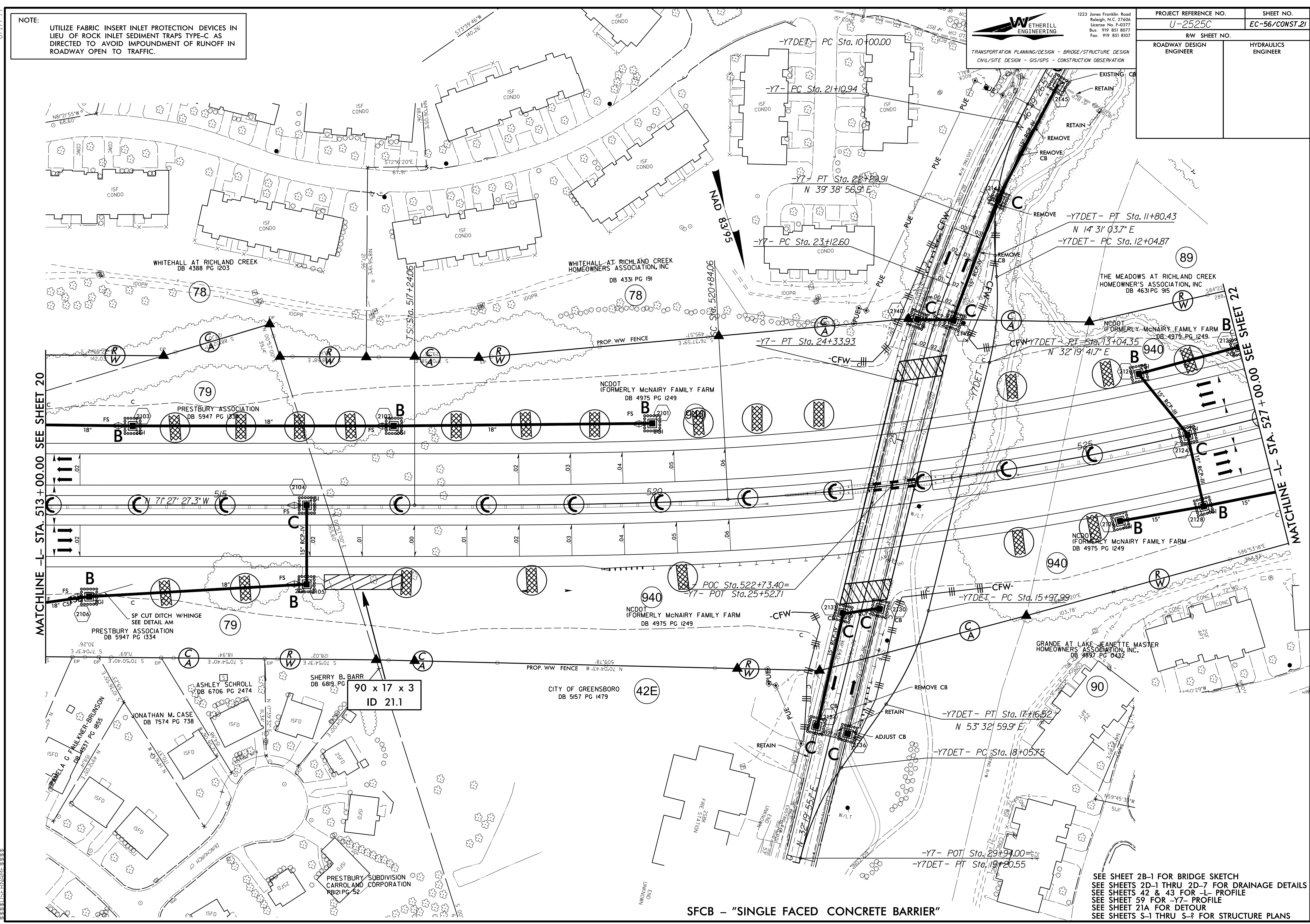
8.17.79

NOTE:  
UTILIZE FABRIC INSERT INLET PROTECTION DEVICES IN LIEU OF ROCK INLET SEDIMENT TRAPS TYPE-C AS DIRECTED TO AVOID IMPOUNDMENT OF RUNOFF IN ROADWAY OPEN TO TRAFFIC.

**WETHERILL ENGINEERING**  
 TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

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PROJECT REFERENCE NO. <b>U-2525C</b>	SHEET NO. <b>EC-56/CONST.21</b>
RW SHEET NO.	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER	



SFCB - "SINGLE FACED CONCRETE BARRIER"

SEE SHEET 2B-1 FOR BRIDGE SKETCH  
 SEE SHEETS 2D-1 THRU 2D-7 FOR DRAINAGE DETAILS  
 SEE SHEETS 42 & 43 FOR -L- PROFILE  
 SEE SHEET 59 FOR -Y7- PROFILE  
 SEE SHEET 21A FOR DETOUR  
 SEE SHEETS S-1 THRU S-? FOR STRUCTURE PLANS

8.17.99

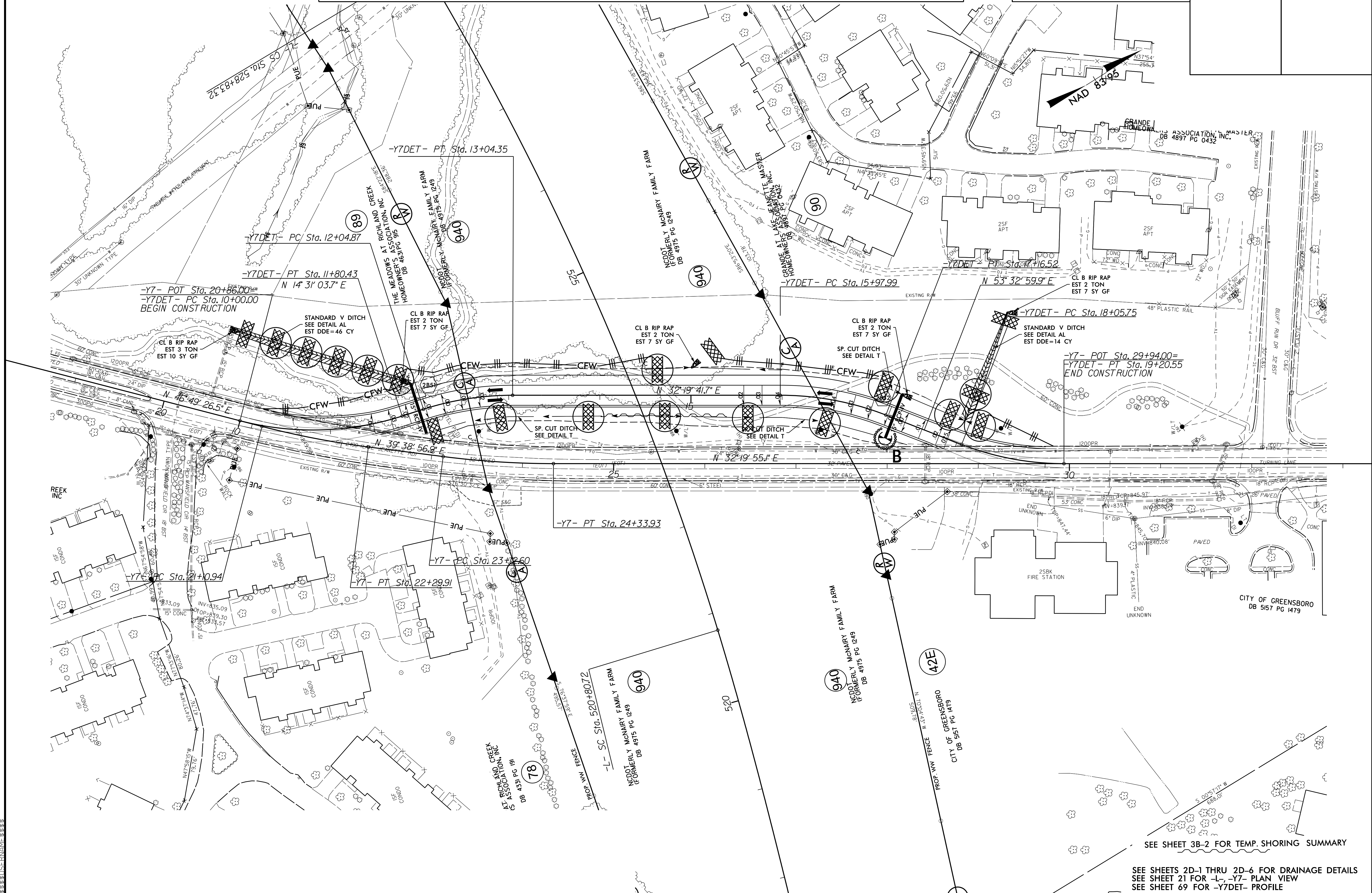
# DETAIL OF -Y7DET- (LAKE JEANETTE RD.)

VDES. = 35 MPH

**WETHERILL ENGINEERING**  
1223 Jones Franklin Road  
Raleigh, N.C. 27606  
License No. F-3077  
Bus: 919 851 8077  
Fax: 919 851 8107

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

PROJECT REFERENCE NO.	SHEET NO.
U-2525C	EC-57/CONST.21A
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



8.17.99

SEE SHEET 3B-2 FOR TEMP. SHORING SUMMARY

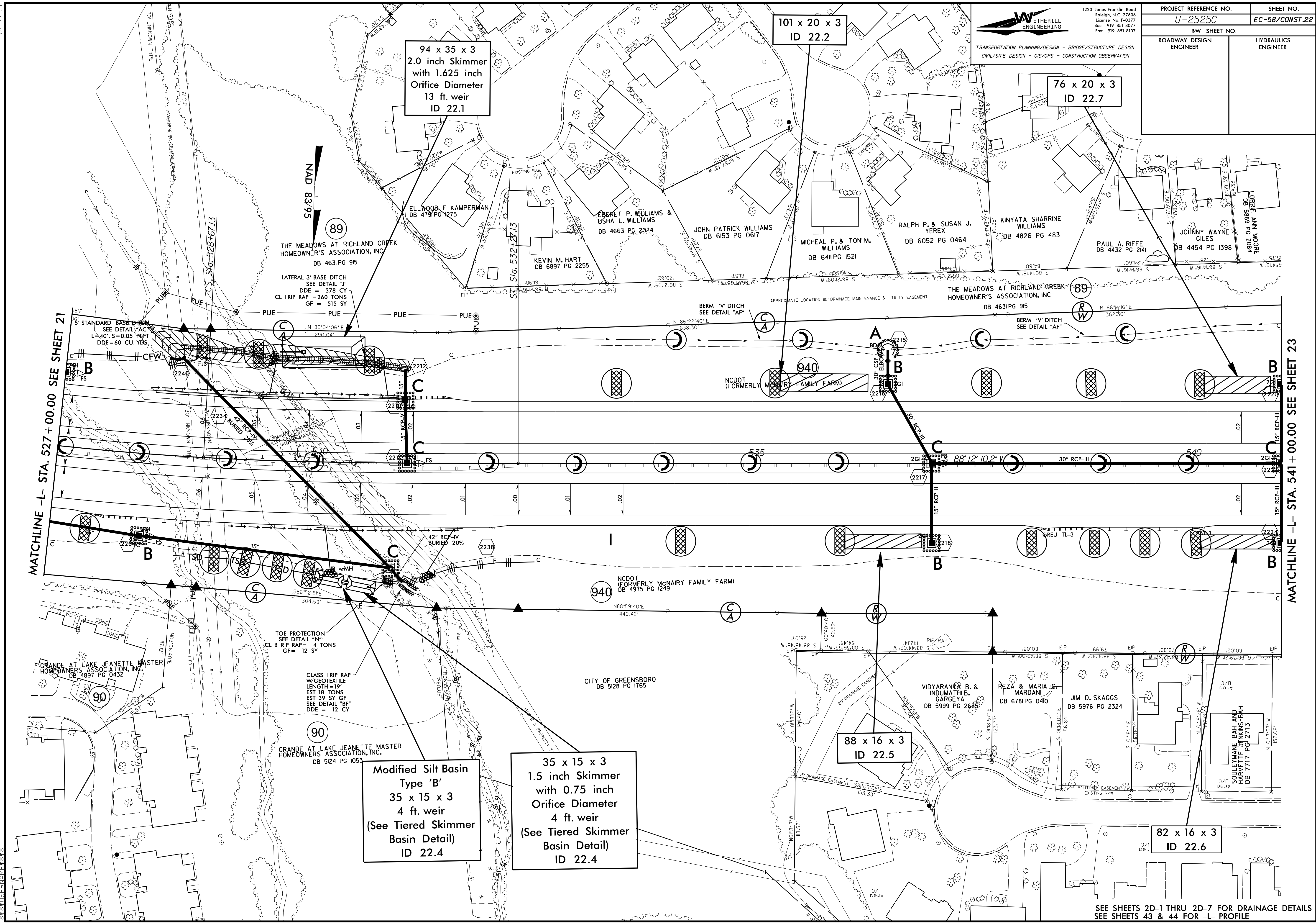
SEE SHEETS 2D-1 THRU 2D-6 FOR DRAINAGE DETAILS  
SEE SHEET 21 FOR -L-, -Y7- PLAN VIEW  
SEE SHEET 69 FOR -Y7DET- PROFILE

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 Fax: 919 851 8107

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

PROJECT REFERENCE NO. <b>U-2525C</b>	SHEET NO. <b>EC-58/CONST.22</b>
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

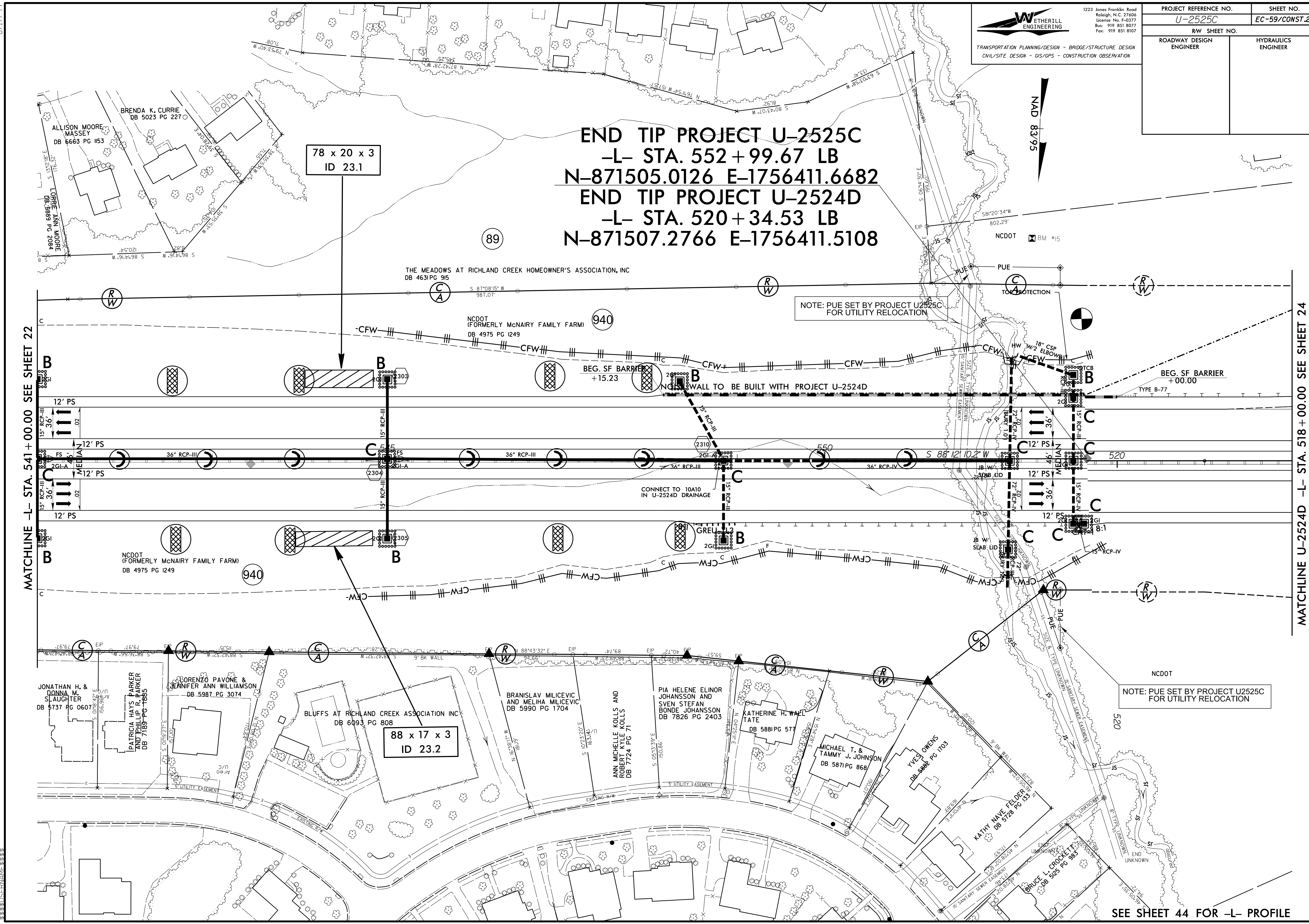
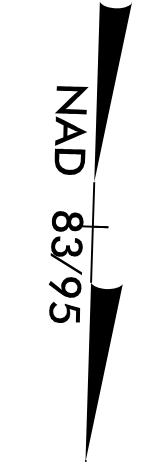


SEE SHEETS 2D-1 THRU 2D-7 FOR DRAINAGE DETAILS  
 SEE SHEETS 43 & 44 FOR -L- PROFILE



PROJECT REFERENCE NO. <b>U-2525C</b>	SHEET NO. <b>EC-59/CONST.23</b>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

**END TIP PROJECT U-2525C**  
 -L- STA. 552+99.67 LB  
 N-871505.0126 E-1756411.6682  
**END TIP PROJECT U-2524D**  
 -L- STA. 520+34.53 LB  
 N-871507.2766 E-1756411.5108



78 x 20 x 3  
ID 23.1

88 x 17 x 3  
ID 23.2

NOTE: PUE SET BY PROJECT U2525C FOR UTILITY RELOCATION

NOTE: PUE SET BY PROJECT U2525C FOR UTILITY RELOCATION

MATCHLINE -L- STA. 541+00.00 SEE SHEET 22

MATCHLINE U-2524D -L- STA. 518+00.00 SEE SHEET 24

SEE SHEET 44 FOR -L- PROFILE

8.17/99  
 C:\PROJECTS\2025\U-2525C\DWG\U-2525C-CONST.23.DWG  
 PLOT DATE: 11/19/2025 10:58:15 AM  
 PLOT BY: J. W. WETHERILL  
 PLOT SCALE: 1"=40'-0"

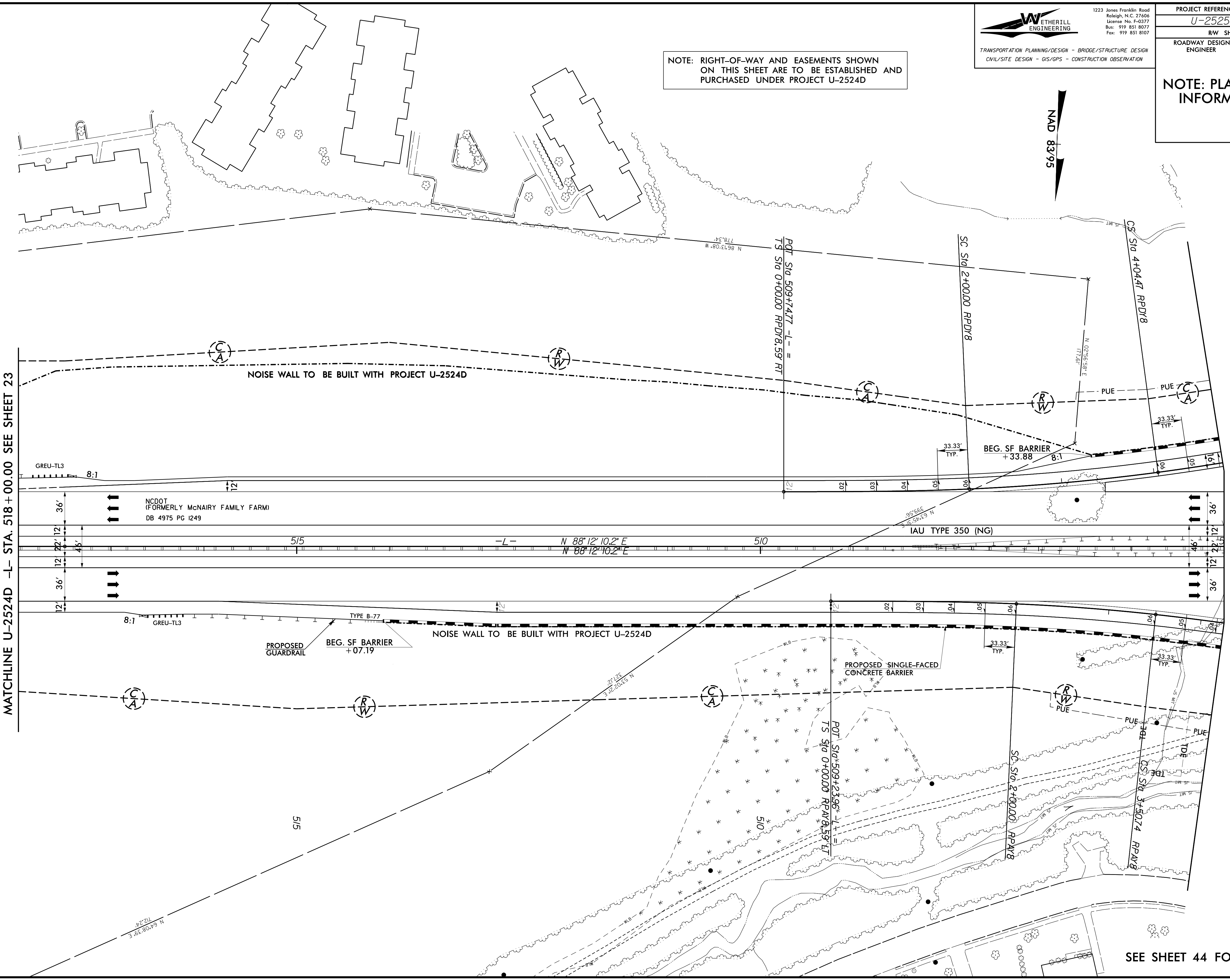
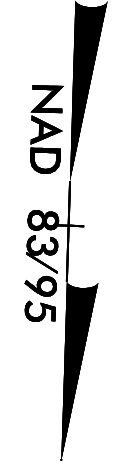
8/17/99

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 Raleigh, N.C. 27606  
 License No. F-0377  
 Bus: 919 851 8077  
 Fax: 919 851 8107

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

PROJECT REFERENCE NO. <b>U-2525C</b>	SHEET NO. <b>EC-60/CONST.24</b>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
<b>NOTE: PLAN SHEET FOR INFORMATION ONLY</b>	

**NOTE: RIGHT-OF-WAY AND EASEMENTS SHOWN ON THIS SHEET ARE TO BE ESTABLISHED AND PURCHASED UNDER PROJECT U-2524D**



MATCHLINE U-2524D -L- STA. 518 + 00.00 SEE SHEET 23

MATCHLINE U-2524D -L- STA. 505 + 00.00 SEE SHEET 25

SEE SHEET 44 FOR -L- PROFILE

C:\p1\2524\2524.dwg  
 8/17/99 10:58 AM  
 WETHERILL ENGINEERING  
 1223 JONES FRANKLIN ROAD  
 RALEIGH, NC 27606  
 TEL: 919 851 8077  
 FAX: 919 851 8107  
 WWW.WETHERILL-ENGINEERING.COM

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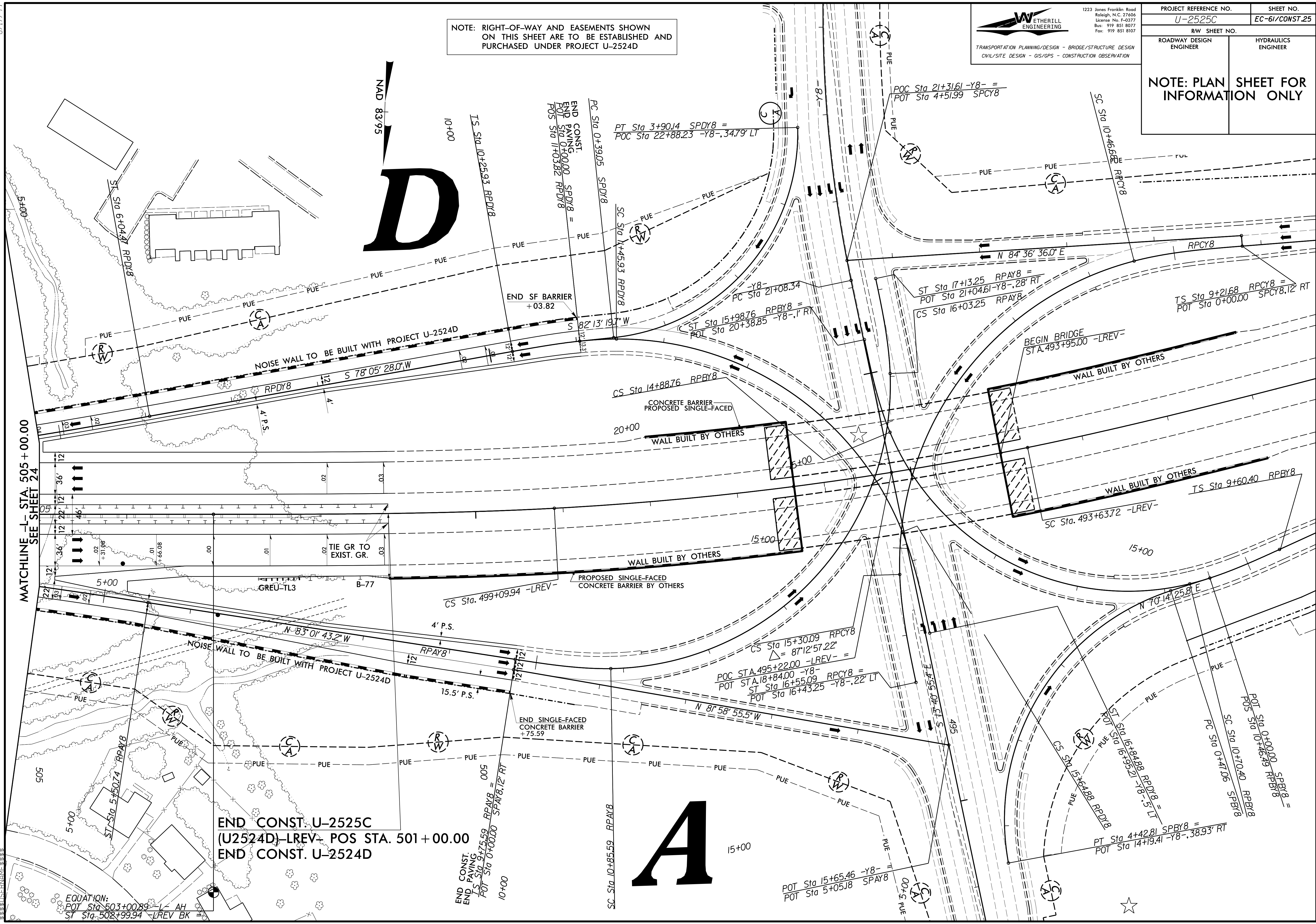
**WETHERILL ENGINEERING**  
 1223 Jones Franklin Road  
 Raleigh, N.C. 27606  
 License No. F-0377  
 Bus: 919 851 8077  
 Fax: 919 851 8107

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

PROJECT REFERENCE NO. <b>U-2525C</b>	SHEET NO. <b>EC-61/CONST.25</b>
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NOTE: RIGHT-OF-WAY AND EASEMENTS SHOWN ON THIS SHEET ARE TO BE ESTABLISHED AND PURCHASED UNDER PROJECT U-2524D

NOTE: PLAN SHEET FOR INFORMATION ONLY



MATCHLINE L- STA. 505 + 00.00  
 SEE SHEET 24

END CONST. U-2525C  
 (U2524D) -LREV- POS STA. 501 + 00.00  
 END CONST. U-2524D

EQUATION:  
 POT Sta 503+00.89 -L- AH  
 ST Sta 502+99.94 -LREV BK

END CONST.  
 END PAVING  
 LS Sta 9+75.59 RPAVB = 005  
 POT Sta 0+00.00 SPAYB, 12' RT  
 10+00

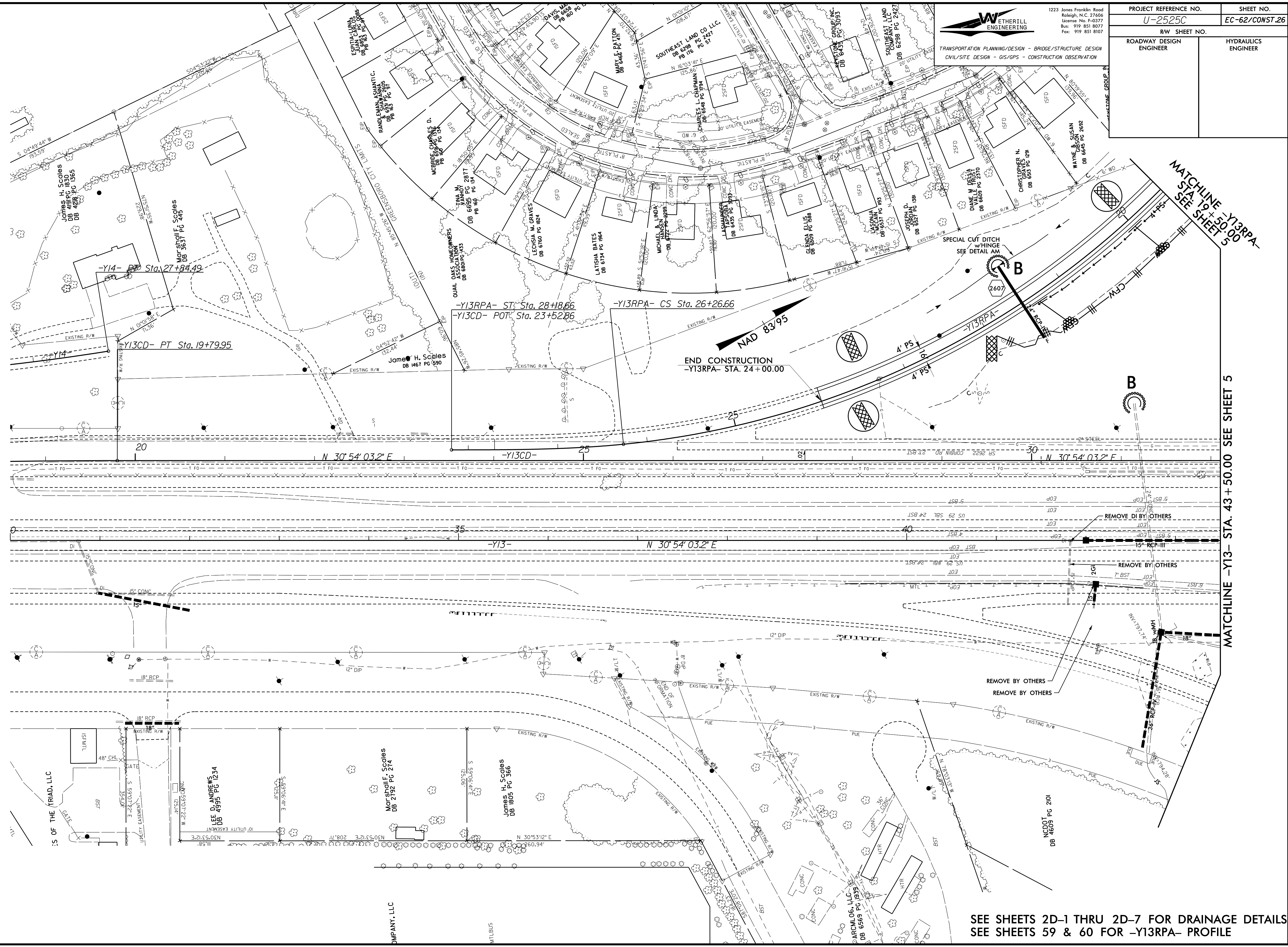
**A**

8.17/99

**WETHERILL ENGINEERING**  
 1223 Jones Franklin Road  
 Raleigh, N.C. 27606  
 License No. F-3077  
 Bus: 919 851 8077  
 Fax: 919 851 8107

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

PROJECT REFERENCE NO. <b>U-2525C</b>	SHEET NO. <b>EC-62/CONST.26</b>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



\*\*\*\*\*CITY OF THE TRIAD, LLC \*\*\*\*\*

SEE SHEETS 2D-1 THRU 2D-7 FOR DRAINAGE DETAILS  
SEE SHEETS 59 & 60 FOR -Y13RPA- PROFILE

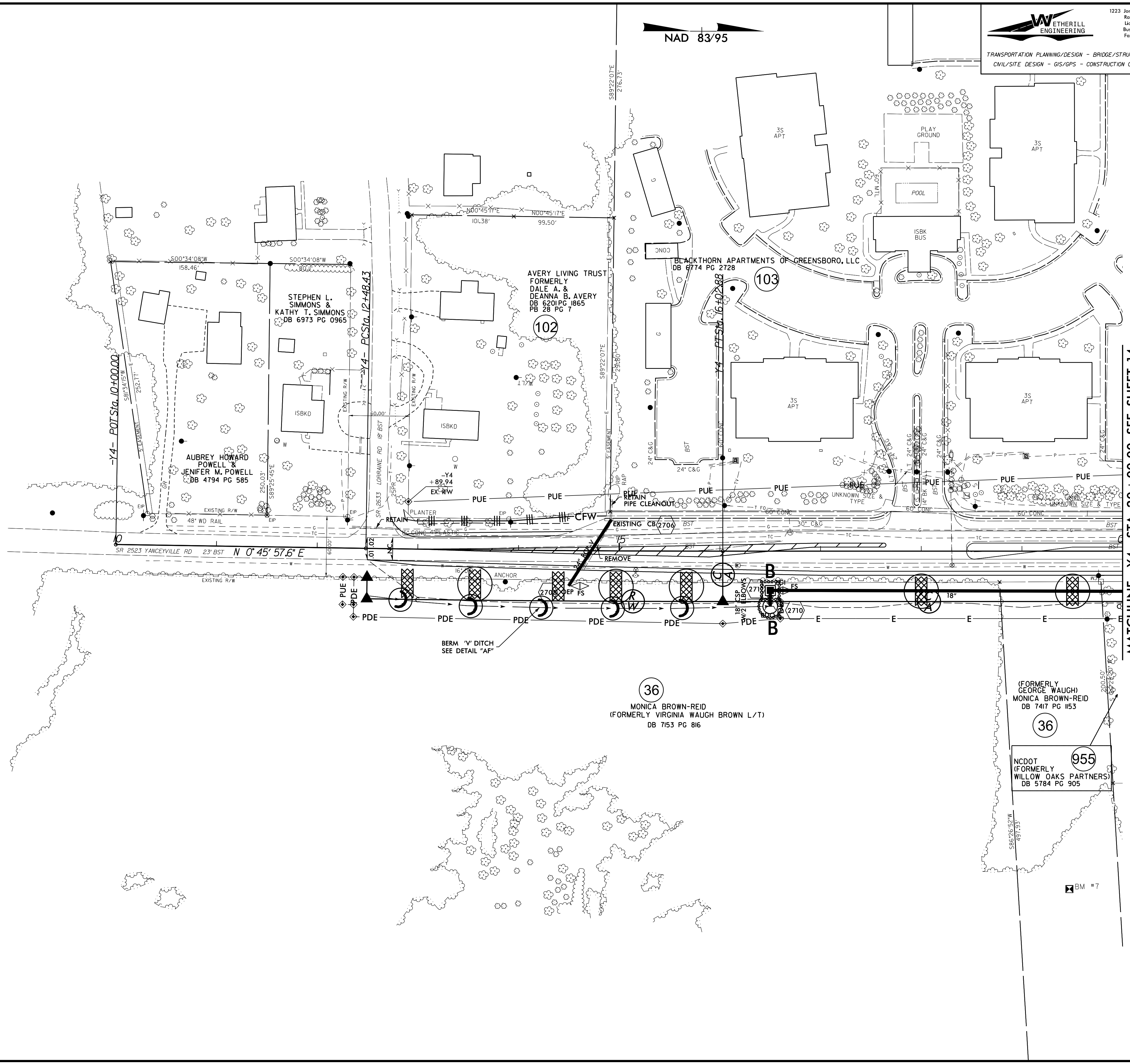
8.17/99

NAD 83/95

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 Raleigh, N.C. 27606  
 License No. F-3077  
 Bus: 919 851 8077  
 Fax: 919 851 8107

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

PROJECT REFERENCE NO. <i>U-2525C</i>	SHEET NO. <i>EC-63/CONST.27</i>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



MATCHLINE -Y4- STA. 20 + 00.00 SEE SHEET 14

36  
 MONICA BROWN-REID  
 (FORMERLY VIRGINIA WAUGH BROWN L/T)  
 DB 7153 PG 816

(FORMERLY GEORGE WAUGH)  
 MONICA BROWN-REID  
 DB 7417 PG 1153

36

955  
 NCDOT  
 (FORMERLY WILLOW OAKS PARTNERS)  
 DB 5784 PG 905

BM #7

SEE SHEET 49 FOR -Y4- PROFILE

8.17/99  
 WETHERILL ENGINEERING  
 1223 JONES FRANKLIN ROAD  
 RALEIGH, NC 27606  
 TEL: 919 851 8077  
 FAX: 919 851 8107  
 WWW.WETHERILL-ENGINEERING.COM

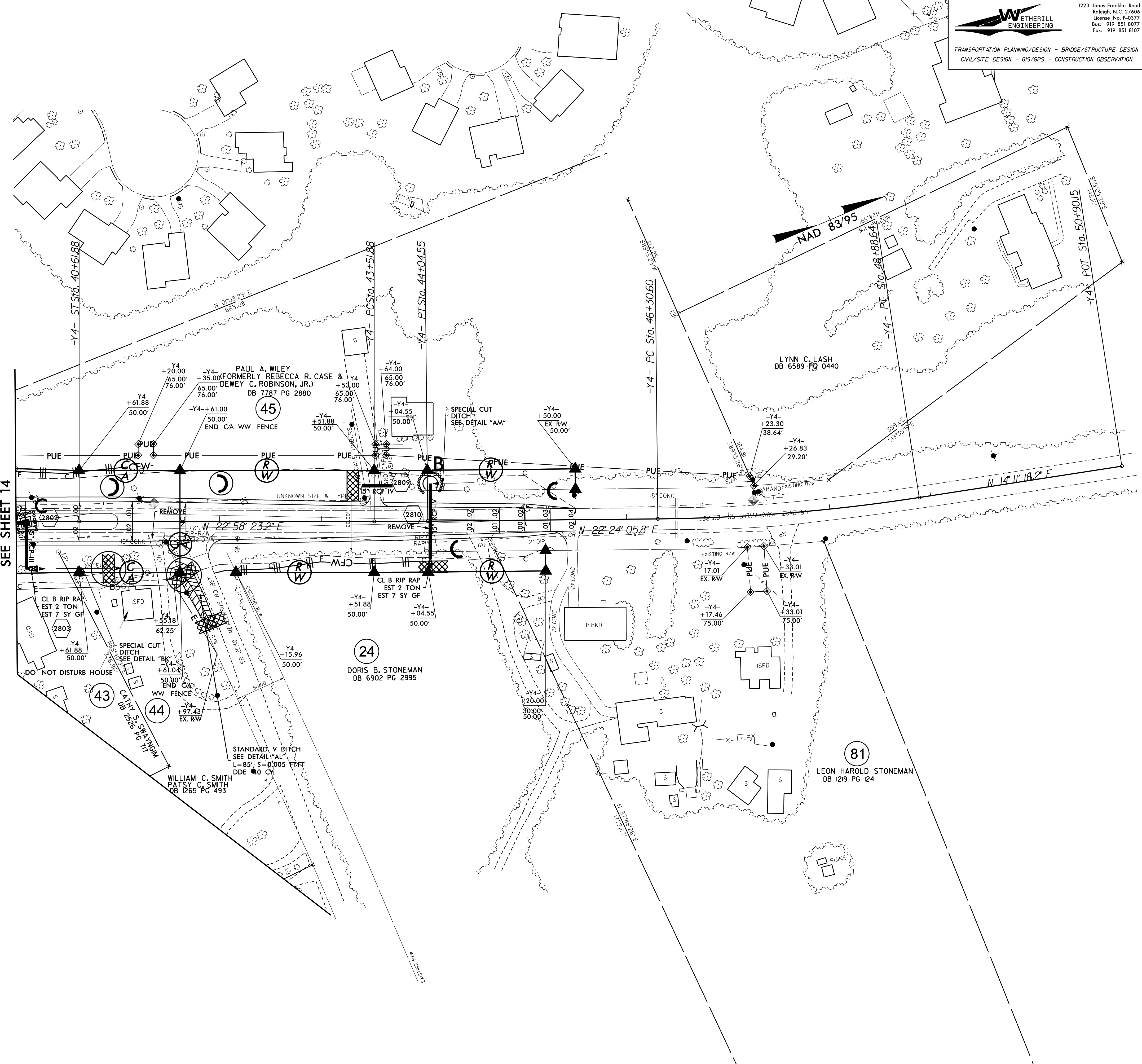
8.17/99

**WETHERILL ENGINEERING**  
 TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

1223 Jones Franklin Road  
 Raleigh, N.C. 27606  
 License No. F-0377  
 Bus: 919 851 8077  
 Fax: 919 851 8107

PROJECT REFERENCE NO. <i>U-2525C</i>	SHEET NO. <i>EC-64/CONST.28</i>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

MATCHLINE -Y4- STA. 40+00.00  
 SEE SHEET 14



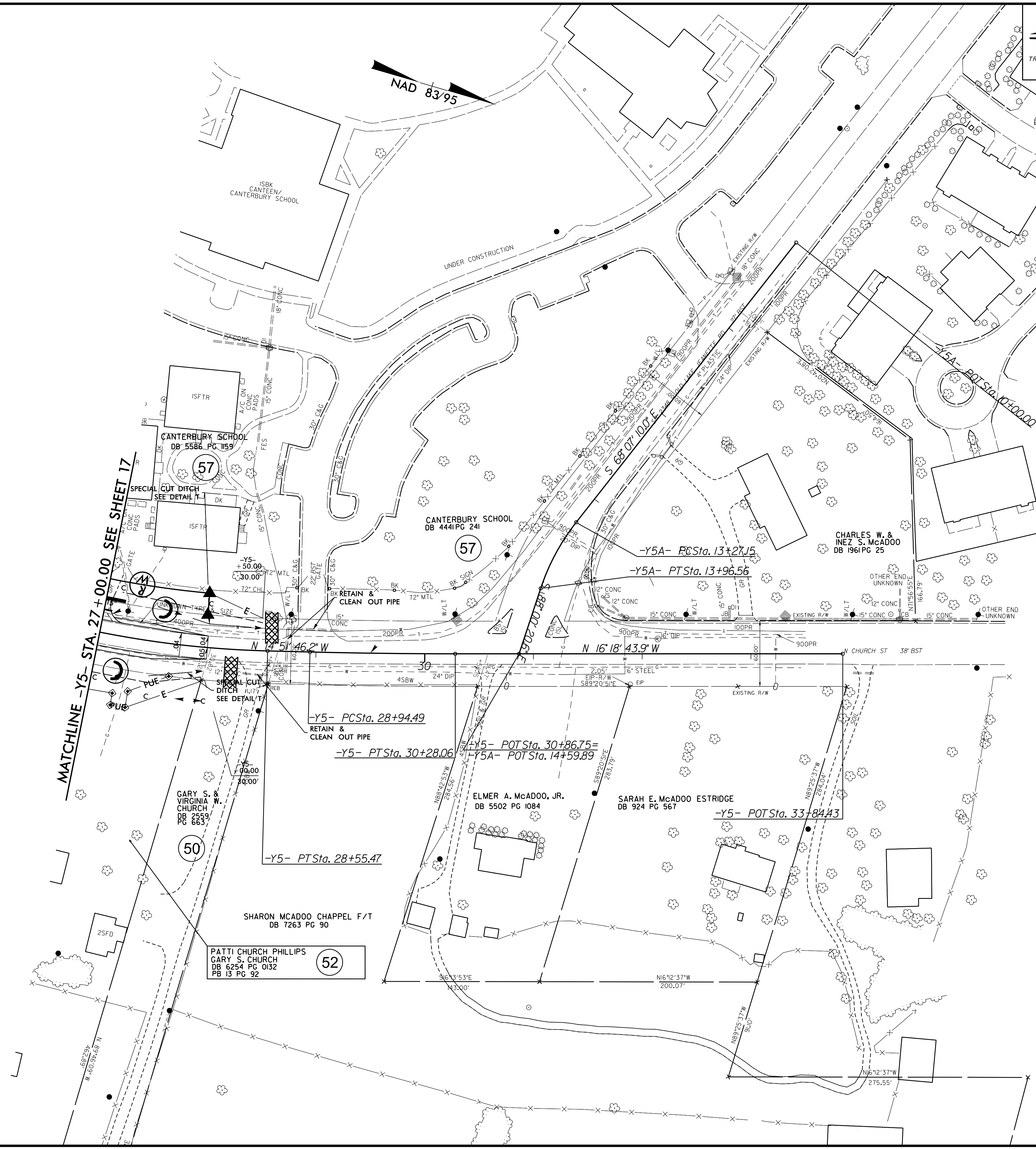
SEE SHEET 2D-1 FOR DRAINAGE DETAILS  
 SEE SHEET 50 FOR -Y4- PROFILE

8.17/99

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 1223 Jones Franklin Road  
 Raleigh, N.C. 27606  
 License No. F-0377  
 Bus: 919 851 8077  
 Fax: 919 851 8107

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

PROJECT REFERENCE NO. <i>U-2525C</i>	SHEET NO. <i>EC-65/CONST.29</i>
RW SHEET NO.	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER	



SEE SHEETS 2D-1 THRU 2D-6 FOR DRAINAGE DETAILS  
 SEE SHEET 54 FOR -Y5- PROFILE

8.17/99  
C:\PROJECTS\2024\24-0000\DWG\24-0000-01.dwg  
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PLOTTER: HP DesignJet 2400

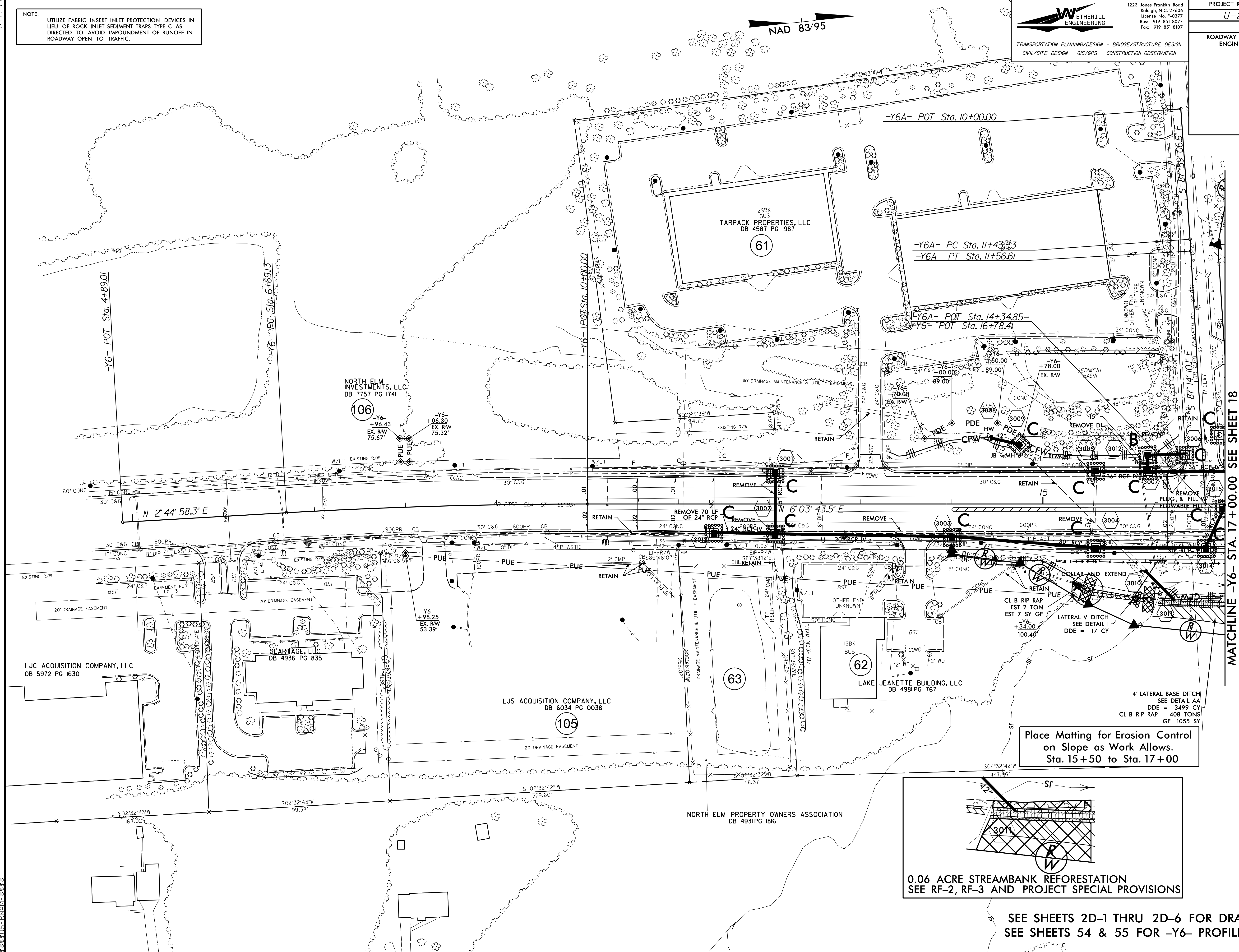
NOTE:  
UTILIZE FABRIC INSERT INLET PROTECTION DEVICES IN LIEU OF ROCK INLET SEDIMENT TRAPS TYPE-C AS DIRECTED TO AVOID IMPOUNDMENT OF RUNOFF IN ROADWAY OPEN TO TRAFFIC.

NAD 83/95

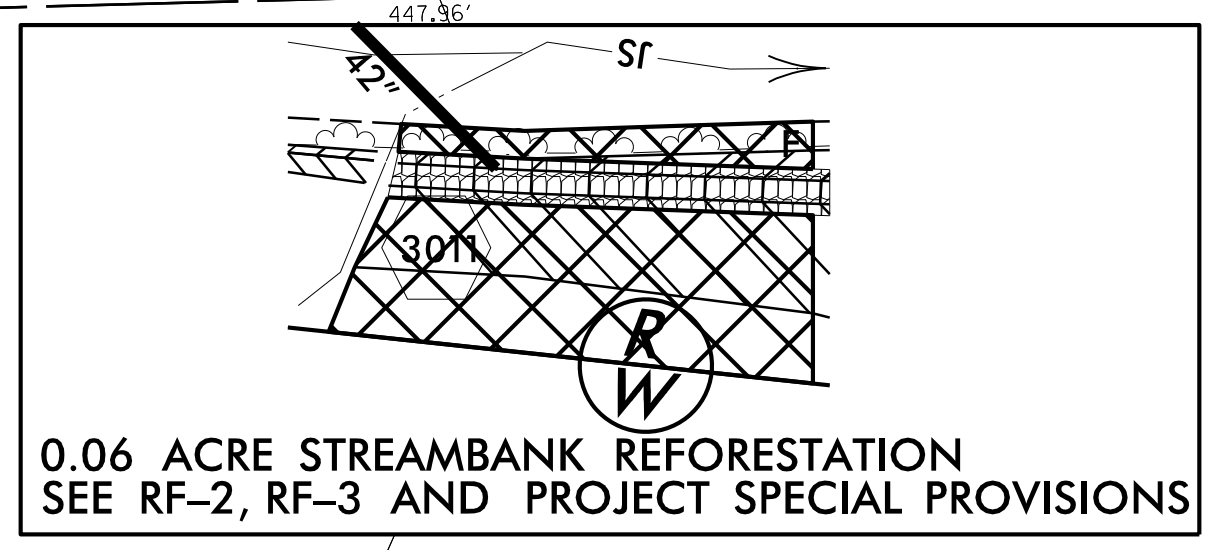
**WETHERILL ENGINEERING**  
1223 Jones Franklin Road  
Raleigh, N.C. 27606  
License No. F-3077  
Bus: 919 851 8077  
Fax: 919 851 8070

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

PROJECT REFERENCE NO.	SHEET NO.
U-2525C	EC-66/CONST.30
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



Place Matting for Erosion Control on Slope as Work Allows. Sta. 15+50 to Sta. 17+00



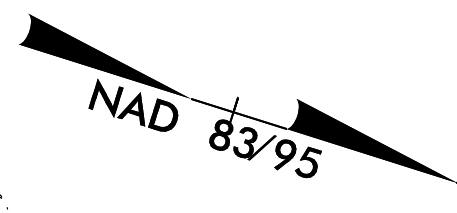
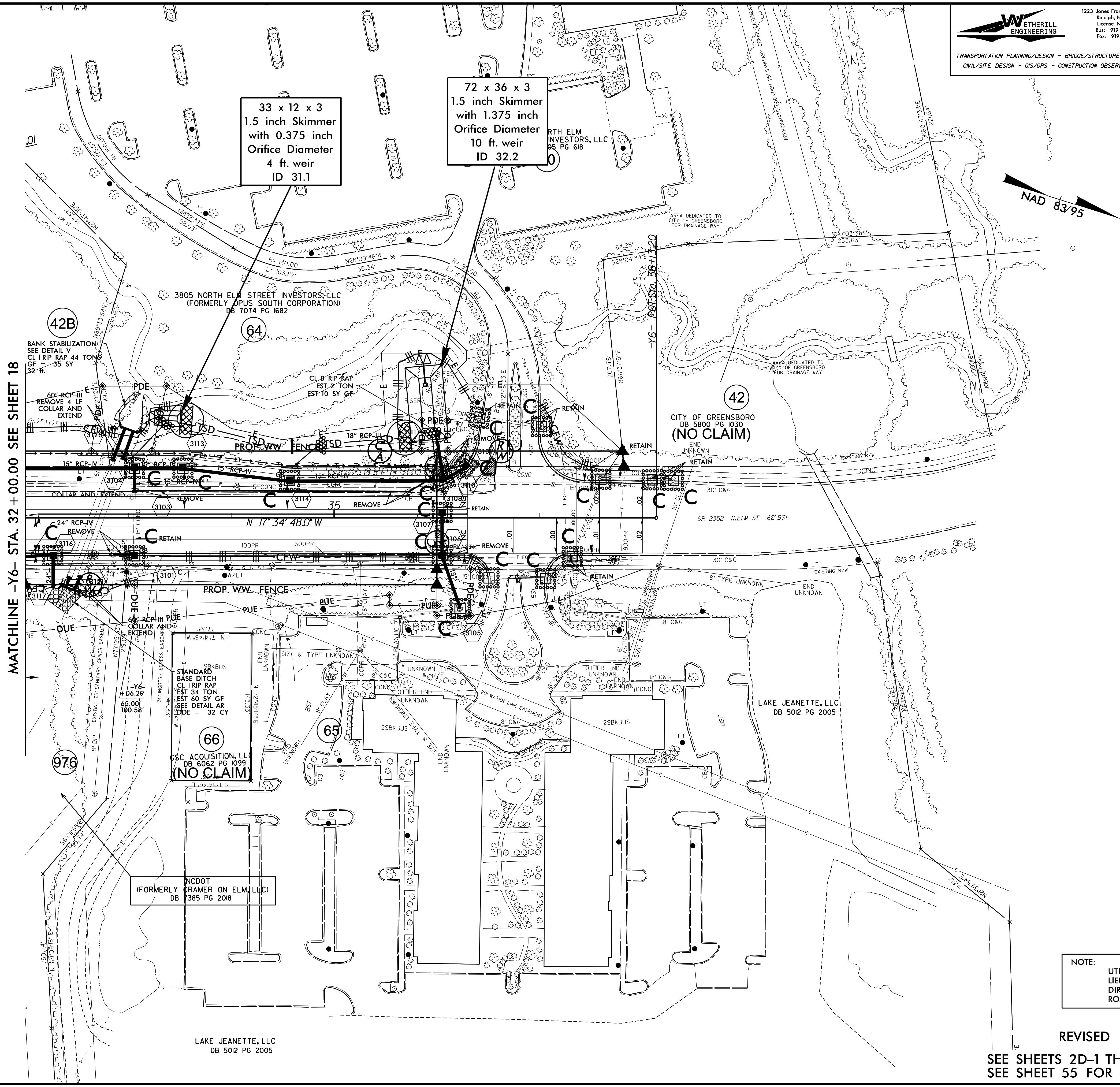
SEE SHEETS 2D-1 THRU 2D-6 FOR DRAINAGE DETAILS  
SEE SHEETS 54 & 55 FOR -Y6- PROFILE

MATCHLINE -Y6- STA. 17+00.00 SEE SHEET 18



8.17/99  
C:\projects\2025\2025-01-20\2025-01-20.dwg

PROJECT REFERENCE NO.	SHEET NO.
U-2525C	EC-67/CONST.31
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



MATCHLINE -Y6- STA. 32 + 00.00 SEE SHEET 18

NOTE:  
UTILIZE FABRIC INSERT INLET PROTECTION DEVICES IN LIEU OF ROCK INLET SEDIMENT TRAPS TYPE-C AS DIRECTED TO AVOID IMPOUNDMENT OF RUNOFF IN ROADWAY OPEN TO TRAFFIC.

REVISED SIGNAL  
SEE SHEETS 2D-1 THRU 2D-6 FOR DRAINAGE DETAILS  
SEE SHEET 55 FOR -Y6- PROFILE

33 x 12 x 3  
1.5 inch Skimmer  
with 0.375 inch  
Orifice Diameter  
4 ft. weir  
ID 31.1

72 x 36 x 3  
1.5 inch Skimmer  
with 1.375 inch  
Orifice Diameter  
10 ft. weir  
ID 32.2

66  
GSC ACQUISITION, LLC  
DB 6062 PG 1099  
(NO CLAIM)

NCDOT  
(FORMERLY CRAMER ON ELM, LLC)  
DB 7385 PG 2018

3805 NORTH ELM STREET INVESTORS, LLC  
(FORMERLY OPUS SOUTH CORPORATION)  
DB 7074 PG 1682

42  
CITY OF GREENSBORO  
DB 5800 PG 1030  
(NO CLAIM)

LAKE JEANETTE, LLC  
DB 5012 PG 2005

LAKE JEANETTE, LLC  
DB 5012 PG 2005