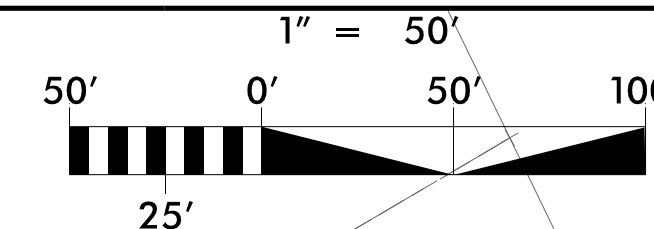


PROJECT REFERENCE NO.	SHEET NO.
U-2579AB	EC-28CONST. 2B-4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



**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

## DETAIL FOR SEDGE GARDEN RD ON-SITE DETOUR (-YIBDET-)

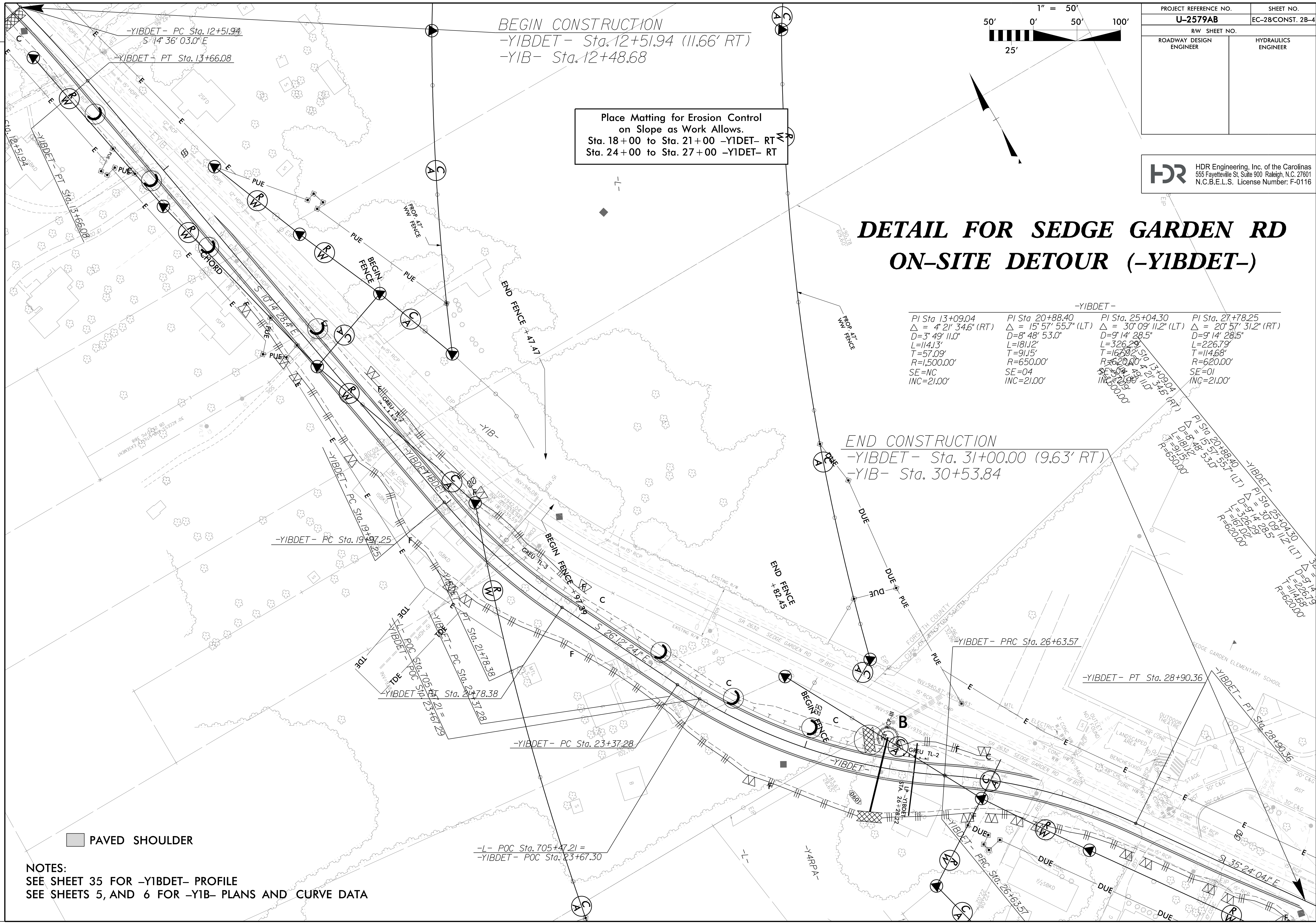
**BEGIN CONSTRUCTION**  
-YIBDET- Sta. 12+51.94 (11.66' RT)  
-YIB- Sta. 12+48.68

Place Matting for Erosion Control  
on Slope as Work Allows.  
Sta. 18+00 to Sta. 21+00 -YIBDET- RT  
Sta. 24+00 to Sta. 27+00 -YIBDET- RT

**END CONSTRUCTION**  
-YIBDET- Sta. 31+00.00 (9.63' RT)  
-YIB- Sta. 30+53.84

-YIBDET-			
PI Sta 13+09.04 Δ = 4° 21' 34.6" (RT) D=3° 49' 11.0" L=114.13' T=57.09' R=1,500.00' SE=NC INC=21.00'	PI Sta 20+88.40 Δ = 15° 57' 55.7" (LT) D=8° 48' 53.0" L=181.12' T=91.15' R=650.00' SE=04 INC=21.00'	PI Sta 25+04.30 Δ = 30° 09' 11.2" (LT) D=9° 14' 28.5" L=226.79' T=167.02' R=620.00' SE=01 INC=21.00'	PI Sta 27+78.25 Δ = 20° 57' 31.2" (RT) D=9° 14' 28.5" L=226.79' T=114.68' R=620.00' SE=01 INC=21.00'

PI Sta 20+88.40 Δ = 15° 57' 55.7" (LT) D=8° 48' 53.0" L=181.12' T=91.15' R=650.00'	PI Sta 25+04.30 Δ = 30° 09' 11.2" (LT) D=9° 14' 28.5" L=226.79' T=167.02' R=620.00'	PI Sta 27+78.25 Δ = 20° 57' 31.2" (RT) D=9° 14' 28.5" L=226.79' T=114.68' R=620.00'
---	--	--



PAVED SHOULDER

**NOTES:**  
SEE SHEET 35 FOR -YIBDET- PROFILE  
SEE SHEETS 5, AND 6 FOR -YIB- PLANS AND CURVE DATA

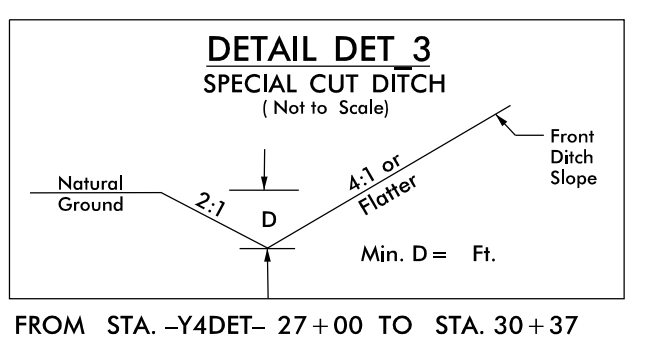
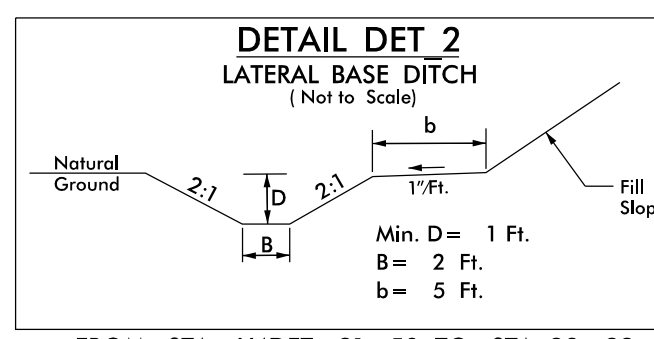
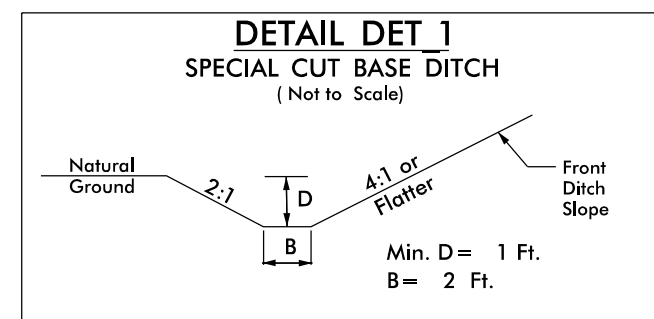
REVISIONS

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PROJECT REFERENCE NO.	SHEET NO.
U-2579AB	EC-29/CONST. 2B-5
RW SHEET NO.	EC-50/CONST. 26
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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 N.C.B.E.L.S. License Number: F-0116

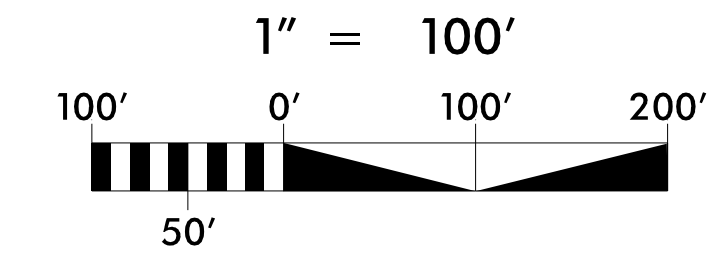


Place Matting for Erosion Control  
 on Slope as Work Allows.  
 Sta. 27+00 to Sta. 31+00 -Y4DET- RT  
 Sta. 28+00 to Sta. 31+00 -Y4DET- LT

BEGIN CONSTRUCTION  
 -Y4DET- Sta. 10+27.15 (60.5' RT)

END CONSTRUCTION  
 -Y4DET- Sta. 33+28.89 (14.00' RT)

## DETAIL FOR KERNERSVILLE RD ON-SITE DETOUR (-Y4DET-)



-Y4DET-		-Y4DET-	
PI Sta 19+74.35	PI Sta 24+60.66	PI Sta 30+98.45	PI Sta 34+24.85
$\Delta = 22^\circ 56' 27.4"$ (LT)	$\Delta = 12^\circ 09' 16.1"$ (RT)	$\Delta = 20^\circ 35' 43.3"$ (LT)	$\Delta = 19^\circ 26' 40.3"$ (RT)
D = 3' 34' 51.6"	D = 3' 34' 51.6"	D = 4' 46' 28.7"	D = 8' 40' 52.2"
L = 640.63'	L = 339.42'	L = 431.35'	L = 223.99'
T = 324.67'	T = 170.35'	T = 218.03'	T = 113.08'
R = 1,600.00'	R = 1,600.00'	R = 1,200.00'	R = 660.00'
SE = 0.04	SE = 0.04	SE = 0.05	SE = SEE PLANS
INC = 21.00'	INC = 21.00'	INC = 21.00'	

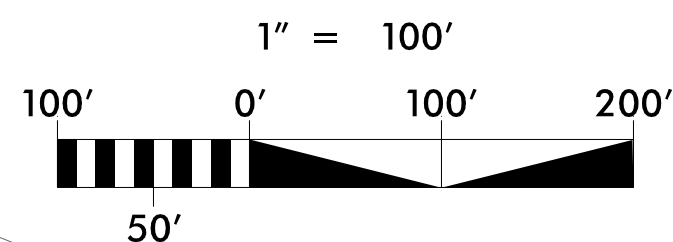
PAVED SHOULDER

NOTES:  
 SEE SHEET 38 FOR -Y4DET- PROFILE  
 SEE SHEETS 6, 13, 14, AND 15 FOR -Y4- PLANS AND CURVE DATA

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 REVISIONS  
 ROW REV. - DECEMBER 4, 2020 - PUE ADJUSTED ON PARCELS 39, 39A, 40, 41, 42, 44, 46, 50, 51, 53, 63, 353, & 993. CEH.



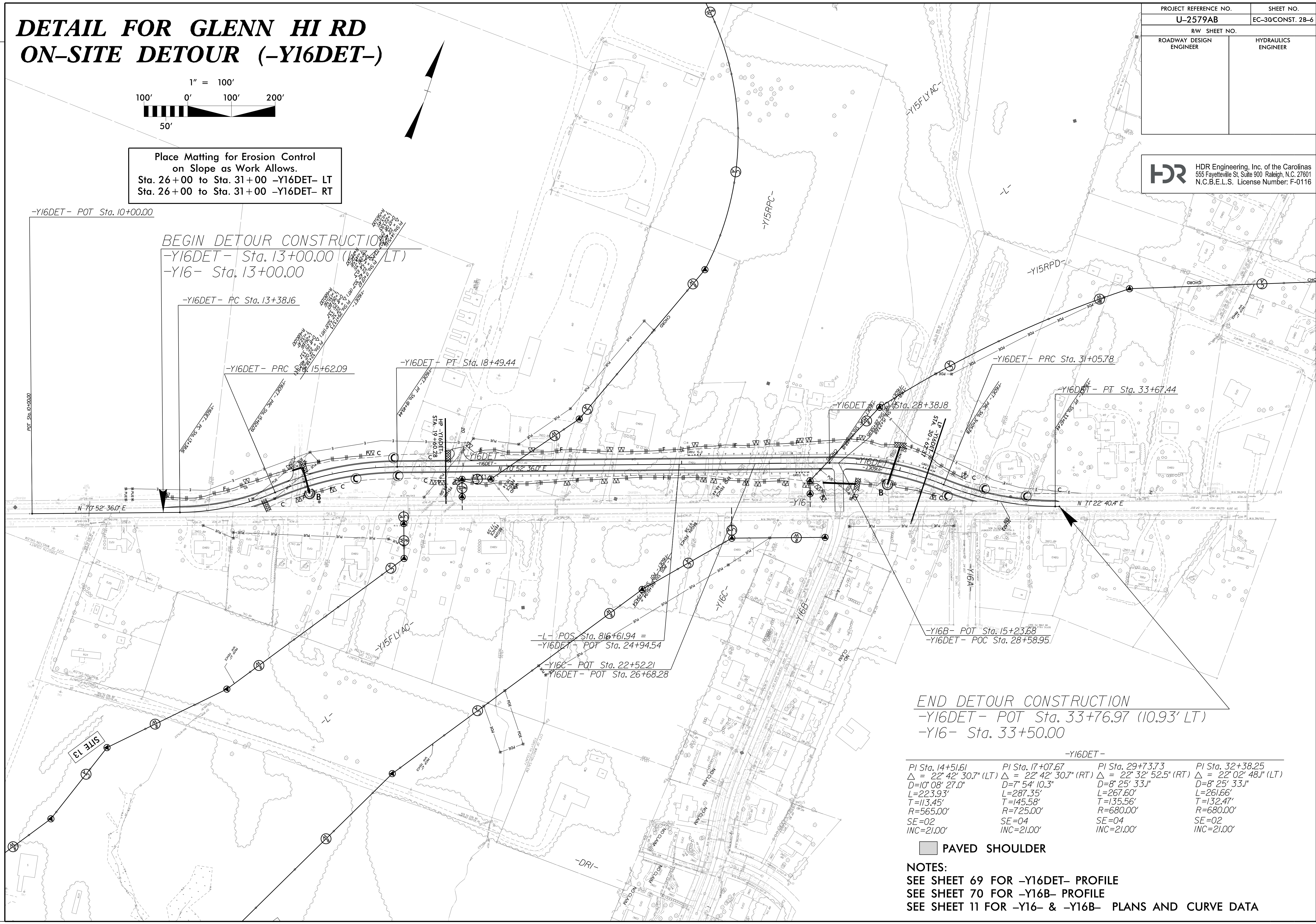
# DETAIL FOR GLENN HI RD ON-SITE DETOUR (-Y16DET-)



Place Matting for Erosion Control  
on Slope as Work Allows.  
Sta. 26+00 to Sta. 31+00 -Y16DET- LT  
Sta. 26+00 to Sta. 31+00 -Y16DET- RT

PROJECT REFERENCE NO.	SHEET NO.
U-2579AB	EC-30CONST. 2B-6
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

**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-01116



END DETOUR CONSTRUCTION  
-Y16DET- POT Sta. 33+76.97 (10.93' LT)  
-Y16- Sta. 33+50.00

-Y16DET-			
PI Sta. 14+51.61	PI Sta. 17+07.67	PI Sta. 29+73.73	PI Sta. 32+38.25
$\Delta = 22^\circ 42' 30.7''$ (LT)	$\Delta = 22^\circ 42' 30.7''$ (RT)	$\Delta = 22^\circ 32' 52.5''$ (RT)	$\Delta = 22^\circ 02' 48.1''$ (LT)
D=10' 08' 27.0"	D=7' 54' 10.3"	D=8' 25' 33.1"	D=8' 25' 33.1"
L=223.93'	L=287.35'	L=267.60'	L=261.66'
T=113.45'	T=145.58'	T=135.56'	T=132.47'
R=565.00'	R=725.00'	R=680.00'	R=680.00'
SE=02	SE=04	SE=04	SE=02
INC=21.00'	INC=21.00'	INC=21.00'	INC=21.00'

■ PAVED SHOULDER

NOTES:  
SEE SHEET 69 FOR -Y16DET- PROFILE  
SEE SHEET 70 FOR -Y16B- PROFILE  
SEE SHEET 11 FOR -Y16- & -Y16B- PLANS AND CURVE DATA

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 ROW REV. - FEBRUARY 8, 2019 - REVISED TCE ON PARCELS 157 AND 158 TO AVOID SEPTIC TANK. SMP

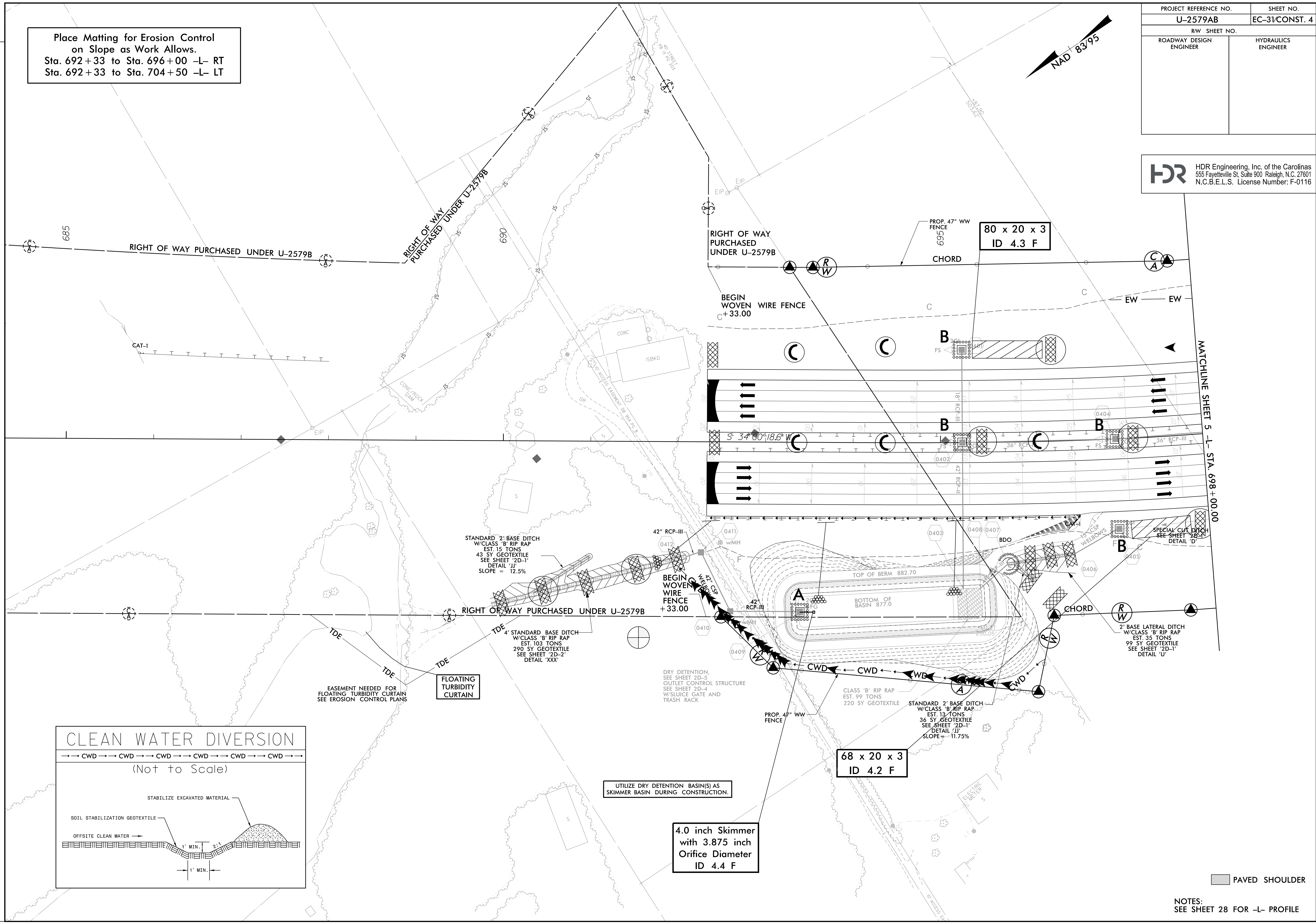
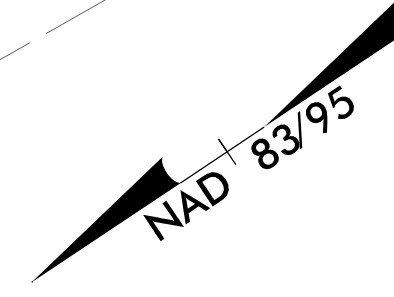
REVISIONS



PROJECT REFERENCE NO.	SHEET NO.
U-2579AB	EC-31/CONST. 4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

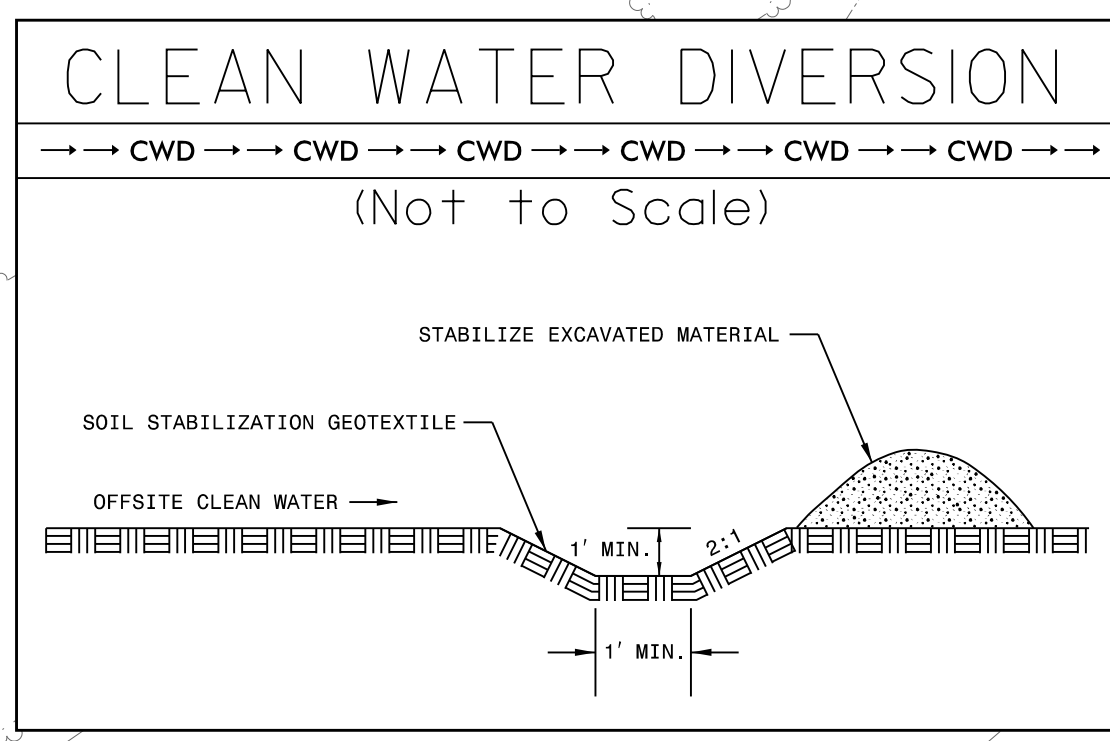
**HDR** HDR Engineering, Inc. of the Carolinas  
 555 Fayetteville St. Suite 900 Raleigh, N.C. 27601  
 N.C.B.E.L.S. License Number: F-0116

Place Matting for Erosion Control  
 on Slope as Work Allows.  
 Sta. 692+33 to Sta. 696+00 -L- RT  
 Sta. 692+33 to Sta. 704+50 -L- LT



REVISIONS

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 TIME: 1:33:50 PM



FLOATING TURBIDITY CURTAIN

UTILIZE DRY DETENTION BASIN(S) AS SKIMMER BASIN DURING CONSTRUCTION.

4.0 inch Skimmer  
 with 3.875 inch  
 Orifice Diameter  
 ID 4.4 F

68 x 20 x 3  
 ID 4.2 F

80 x 20 x 3  
 ID 4.3 F

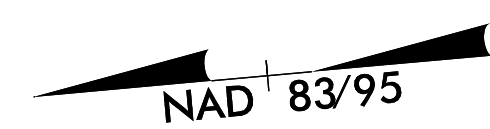
PAVED SHOULDER

NOTES:  
 SEE SHEET 28 FOR -L- PROFILE

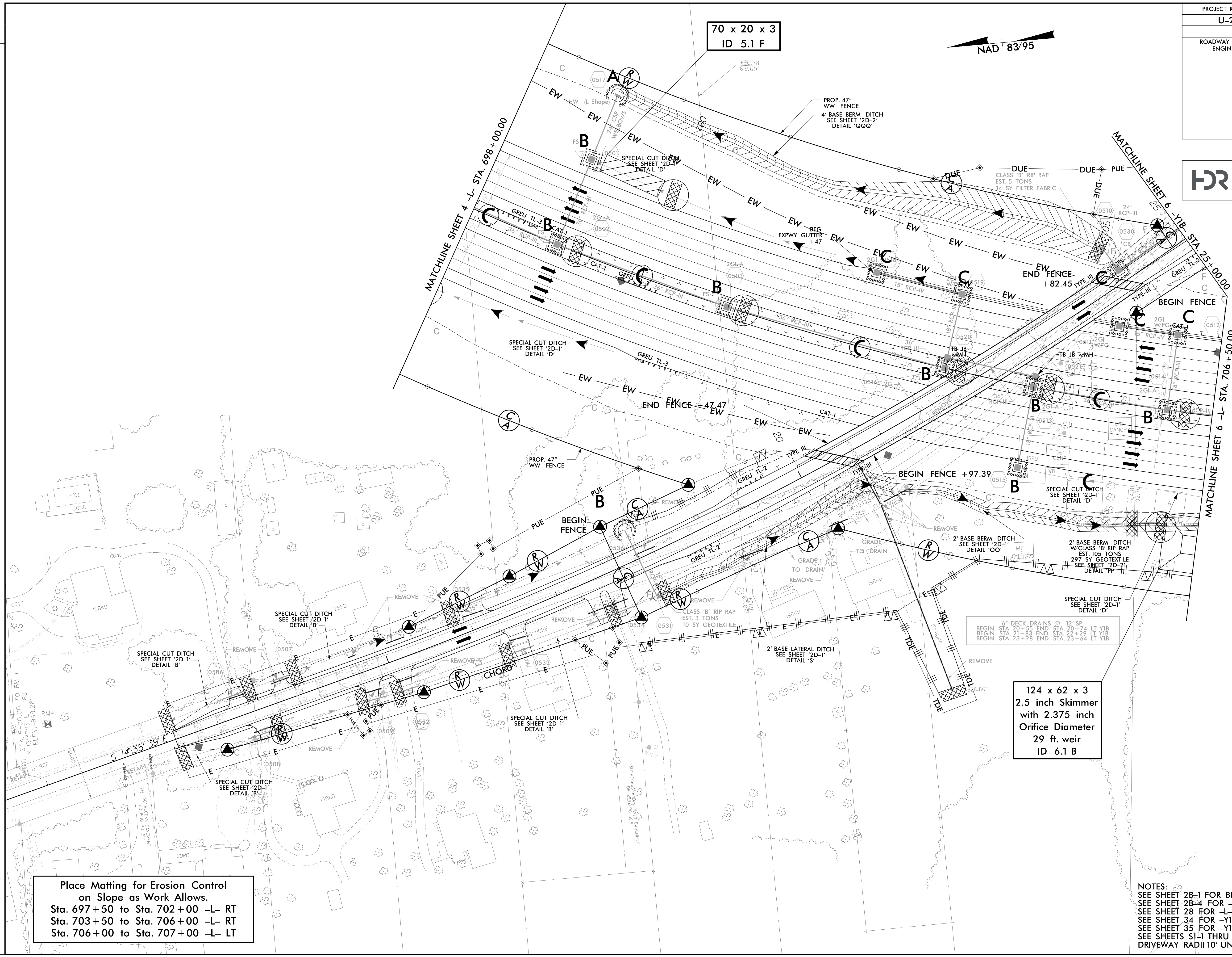


PROJECT REFERENCE NO.	SHEET NO.
U-2579AB	EC-32/CONST. 5
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

**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



70 x 20 x 3  
ID 5.1 F



REVISIONS

Place Matting for Erosion Control  
on Slope as Work Allows.  
 Sta. 697+50 to Sta. 702+00 -L- RT  
 Sta. 703+50 to Sta. 706+00 -L- RT  
 Sta. 706+00 to Sta. 707+00 -L- LT

124 x 62 x 3  
2.5 inch Skimmer  
with 2.375 inch  
Orifice Diameter  
29 ft. weir  
ID 6.1 B

- PAVEMENT REMOVAL
- PAVED SHOULDER
- CONC. SIDEWALK

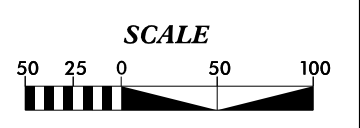
NOTES:  
 SEE SHEET 2B-1 FOR BRIDGE SKETCH  
 SEE SHEET 2B-4 FOR -YIB- DETOUR PLANS  
 SEE SHEET 28 FOR -L- PROFILE  
 SEE SHEET 34 FOR -YIB- PROFILE  
 SEE SHEET 35 FOR -YIBDET- PROFILE  
 SEE SHEETS S1-1 THRU S1-46 FOR STRUCTURE PLANS  
 DRIVEWAY RADII 10' UNLESS OTHERWISE NOTED

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 TIME: 1:34:15 PM



PROJECT REFERENCE NO.	SHEET NO.
U-2579AB	EC-33/CONST. 6
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

**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



Place Matting for Erosion Control on Slope as Work Allows:  
 Sta. 716+00 to Sta. 716+50 -L- RT  
 Sta. 26+00 to Sta. 26+50 -Y1B- RT  
 Sta. 39+50 to Sta. 40+50 -Y1B- LT  
 Sta. 38+00 to Sta. 39+00 -Y4- RT  
 Sta. 40+00 to Sta. 40+50 -Y4- RT  
 Sta. 10+16 to Sta. 18+40 -Y4RPA- LT  
 Sta. 18+87 to Sta. 21+77 -Y4RPA- LT  
 Sta. 24+00 to Sta. 24+50 -Y4RPA- RT  
 Sta. 10+15 to Sta. 22+70 -Y4RPB- RT  
 Sta. 11+44 to Sta. 17+08 -Y4RPB- RT  
 Sta. 17+89 to Sta. 21+37 -Y4RPA- LT  
 Sta. 23+50 to Sta. 24+00 -Y4RPA- RT  
 Sta. 14+33 to Sta. 17+31 -Y4RPD- RT  
 Sta. 7+81 to Sta. 20+81 -Y4RPD- RT  
 Sta. 22+26 to Sta. 23+25 -Y4SPA- LT  
 Sta. 23+34 to Sta. 23+92 -Y4SPB- RT  
 Sta. 21+88 to Sta. 22+00 -Y4SPC- LT

83 x 41 x 3  
 2 inch Skimmer  
 with 1.625 inch  
 Orifice Diameter  
 13 ft. weir  
 ID 6.15 F

48 x 24 x 3  
 1.5 inch Skimmer  
 with 0.875 inch  
 Orifice Diameter  
 4 ft. weir  
 ID 6.19 B

44 x 33 x 3  
 1.5 inch Skimmer  
 with 1.25 inch  
 Orifice Diameter  
 11 ft. weir  
 (See Tiered Skimmer  
 Basin Detail)  
 ID 6.18 B

Modified Silt Basin  
 Type 'B'  
 44 x 33 x 3  
 11 ft. weir  
 (See Tiered Skimmer  
 Basin Detail)  
 ID 6.18 B

120 x 20 x 3  
 ID 6.12 F

100 x 20 x 3  
 ID 6.9 F

100 x 20 x 3  
 ID 6.11 F

80 x 20 x 2  
 ID 6.14 F

80 x 20 x 3  
 ID 6.17 F

124 x 62 x 3  
 2.5 inch Skimmer  
 with 2.375 inch  
 Orifice Diameter  
 29 ft. weir  
 ID 6.1 B

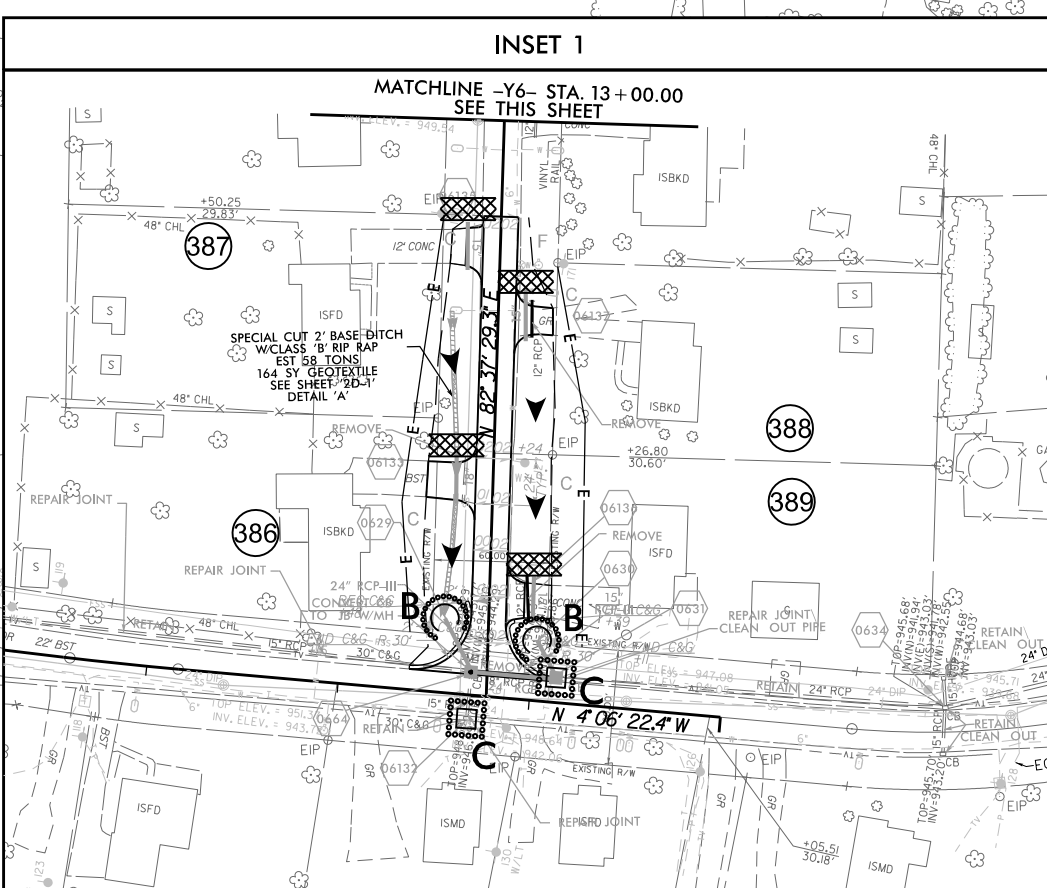
100 x 20 x 3  
 ID 6.10 F

120 x 20 x 3  
 ID 6.13 F

162 x 28 x 3  
 2 inch Skimmer  
 with 1.875 inch  
 Orifice Diameter  
 17 ft. weir  
 ID 6.4 B

120 x 20 x 3  
 ID 6.13 F

115 x 20 x 3  
 ID 6.16 F



- PAVEMENT REMOVAL
- PAVED SHOULDER
- CONC. SIDEWALK

NOTES:  
 SEE SHEETS 28 AND 29 FOR -L- PROFILE  
 SEE SHEETS 28-5 FOR -Y4DET- DETOUR PLANS AND CURVE DATA  
 SEE SHEETS 36 AND 37 FOR -Y4- PROFILE  
 SEE SHEET 38 FOR -Y4DET- PROFILE  
 SEE SHEET 39 FOR -Y4RPA- PROFILE  
 SEE SHEET 40 FOR -Y4SPA- PROFILE  
 SEE SHEET 41 FOR -Y4RPA- PROFILE  
 SEE SHEET 42 FOR -Y4RPA- AND -Y4SPB2- PROFILES  
 SEE SHEET 43 FOR -Y4RPA- PROFILE  
 SEE SHEET 44 FOR -Y4RPA- PROFILE  
 SEE SHEET 45 FOR -Y4RPA- PROFILE  
 SEE SHEET 46 FOR -Y4RPA- PROFILE  
 SEE SHEET 47 FOR -Y4RPA- PROFILE  
 SEE SHEET 48 FOR -Y4RPA- AND -Y4SPB2- PROFILES  
 SEE SHEETS 34 AND 35 FOR -Y1B- PROFILE  
 SEE SHEET 36 FOR -Y1BDET- DETOUR PLANS AND CURVE DATA  
 SEE SHEET 37 FOR -Y1BDET- PROFILE  
 SEE SHEET 73 FOR -Y6- PROFILE

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REVISIONS



PROJECT REFERENCE NO.	SHEET NO.
U-2579AB	EC-34/CONST. 7
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

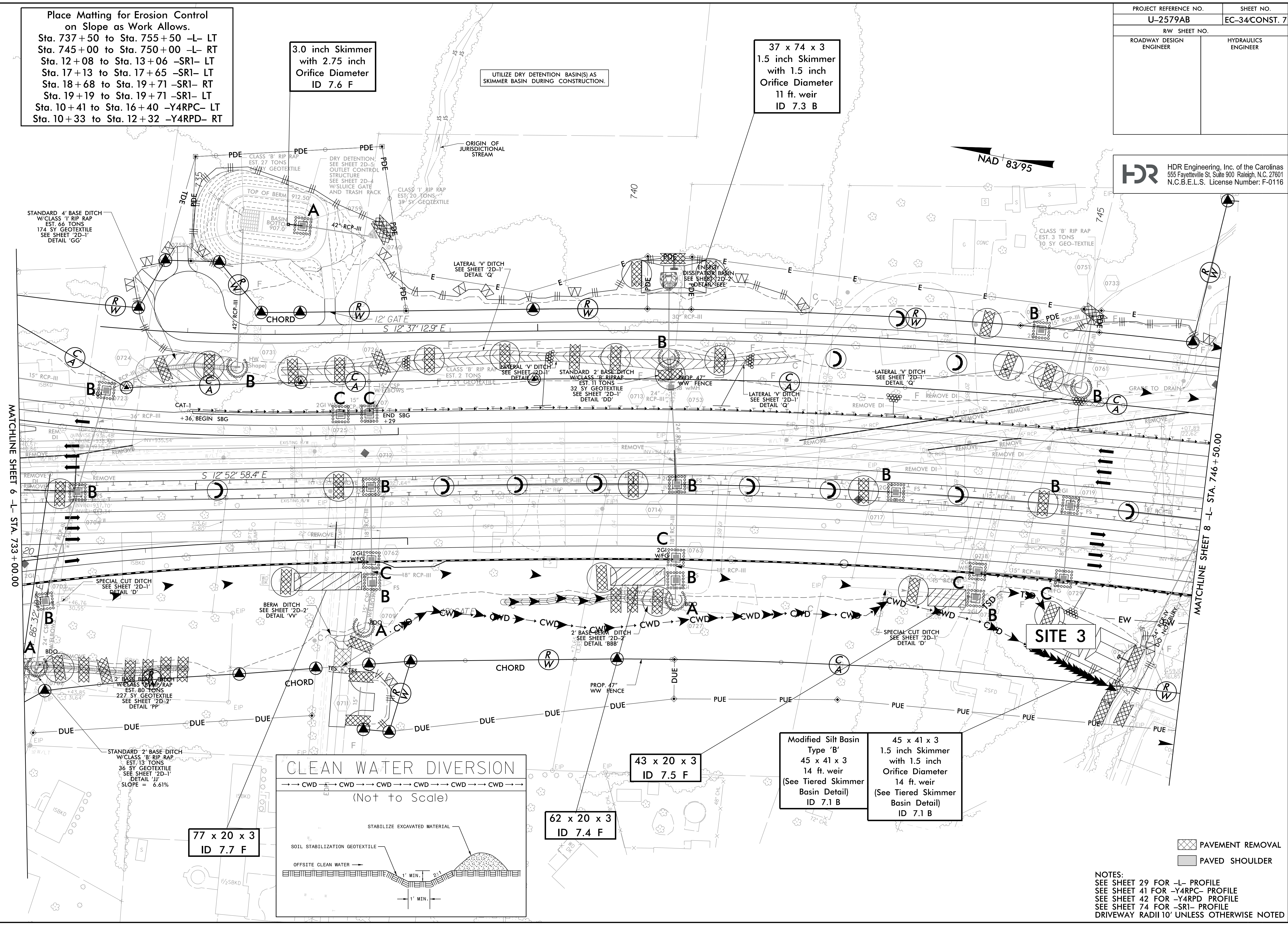
**HDR** HDR Engineering, Inc. of the Carolinas  
 555 Fayetteville St. Suite 900 Raleigh, N.C. 27601  
 N.C.B.E.L.S. License Number: F-0116

Place Matting for Erosion Control on Slope as Work Allows.  
 Sta. 737+50 to Sta. 755+50 -L- LT  
 Sta. 745+00 to Sta. 750+00 -L- RT  
 Sta. 12+08 to Sta. 13+06 -SR1- LT  
 Sta. 17+13 to Sta. 17+65 -SR1- LT  
 Sta. 18+68 to Sta. 19+71 -SR1- RT  
 Sta. 19+19 to Sta. 19+71 -SR1- LT  
 Sta. 10+41 to Sta. 16+40 -Y4RPC- LT  
 Sta. 10+33 to Sta. 12+32 -Y4RPD- RT

3.0 inch Skimmer with 2.75 inch Orifice Diameter ID 7.6 F

37 x 74 x 3  
 1.5 inch Skimmer with 1.5 inch Orifice Diameter  
 11 ft. weir  
 ID 7.3 B

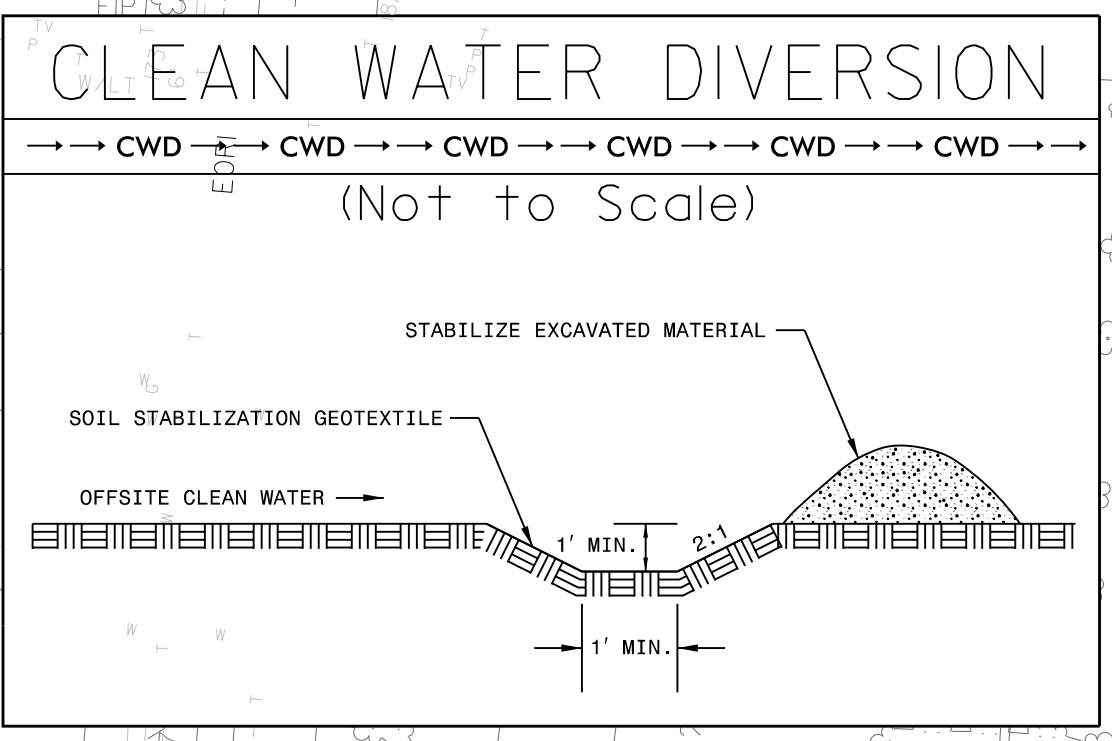
UTILIZE DRY DETENTION BASIN(S) AS SKIMMER BASIN DURING CONSTRUCTION.



MATCHLINE SHEET 6 - L- STA. 733 + 00.00

MATCHLINE SHEET 8 - L- STA. 746 + 50.00

NAD 83/95



77 x 20 x 3  
 ID 7.7 F

62 x 20 x 3  
 ID 7.4 F

43 x 20 x 3  
 ID 7.5 F

Modified Silt Basin  
 Type 'B'  
 45 x 41 x 3  
 14 ft. weir  
 (See Tiered Skimmer Basin Detail)  
 ID 7.1 B

45 x 41 x 3  
 1.5 inch Skimmer with 1.5 inch Orifice Diameter  
 14 ft. weir  
 (See Tiered Skimmer Basin Detail)  
 ID 7.1 B

▨ PAVEMENT REMOVAL  
 ▨ PAVED SHOULDER

NOTES:  
 SEE SHEET 29 FOR -L- PROFILE  
 SEE SHEET 41 FOR -Y4RPC- PROFILE  
 SEE SHEET 42 FOR -Y4RPD- PROFILE  
 SEE SHEET 74 FOR -SR1- PROFILE  
 DRIVEWAY RADII 10' UNLESS OTHERWISE NOTED

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 REVISIONS



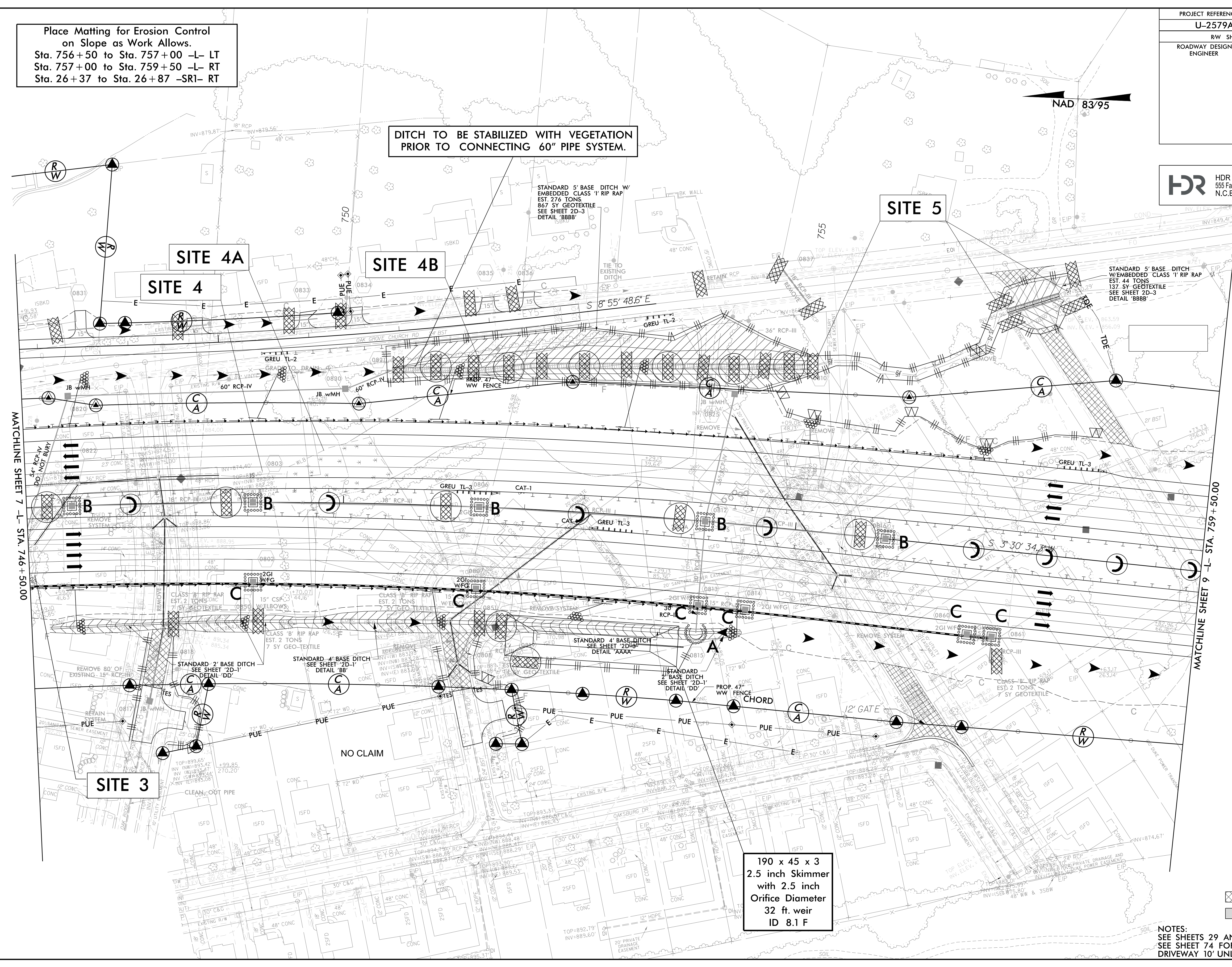
PROJECT REFERENCE NO.	SHEET NO.
U-2579AB	EC-35/CONST. 8
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

**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

Place Matting for Erosion Control  
 on Slope as Work Allows.  
 Sta. 756+50 to Sta. 757+00 -L- LT  
 Sta. 757+00 to Sta. 759+50 -L- RT  
 Sta. 26+37 to Sta. 26+87 -SRI- RT



DITCH TO BE STABILIZED WITH VEGETATION  
 PRIOR TO CONNECTING 60" PIPE SYSTEM.



MATCHLINE SHEET 7 -L- STA. 746+50.00

MATCHLINE SHEET 9 -L- STA. 759+50.00

**SITE 3**

**SITE 4**

**SITE 4A**

**SITE 4B**

**SITE 5**

190 x 45 x 3  
 2.5 inch Skimmer  
 with 2.5 inch  
 Orifice Diameter  
 32 ft. weir  
 ID 8.1 F

PAVEMENT REMOVAL  
 PAVED SHOULDER

NOTES:  
 SEE SHEETS 29 AND 30 FOR -L- PROFILE  
 SEE SHEET 74 FOR -SRI- PROFILE  
 DRIVEWAY 10' UNLESS OTHERWISE NOTED

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REVISIONS



PROJECT REFERENCE NO.	SHEET NO.
U-2579AB	EC-36/CONST. 9
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

**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

**Place Matting for Erosion Control on Slope as Work Allows.**  
 Sta. 770+00 to Sta. 772+50 -L- RT  
 Sta. 10+08 to Sta. 10+58 -Y15FLYBD- RT  
 Sta. 12+08 to Sta. 12+58 -Y15FLYBD- RT  
 Sta. 14+07 to Sta. 14+57 -Y15FLYBD- RT  
 Sta. 18+99 to Sta. 19+46 -Y15FLYBD- RT  
 Sta. 18+99 to Sta. 19+46 -Y15FLYBD- LT  
 Sta. 19+95 to Sta. 25+50 -Y15FLYBD- RT  
 Sta. 79+80 to Sta. 81+27 -Y15FLYCA- RT  
 Sta. 81+80 to Sta. 82+30 -Y15FLYCA- RT  
 Sta. 83+78 to Sta. 88+27 -Y15FLYCA- RT

198 x 40 x 5  
 3.0 inch Skimmer  
 with 3.0 inch  
 Orifice Diameter  
 21 ft. weir  
 ID 9.2 B

120 x 20 x 3  
 ID 10.15 F

93 x 20 x 3  
 ID 9.6 F

**SITE 6B**

**SITE 6**

**SITE 6A**

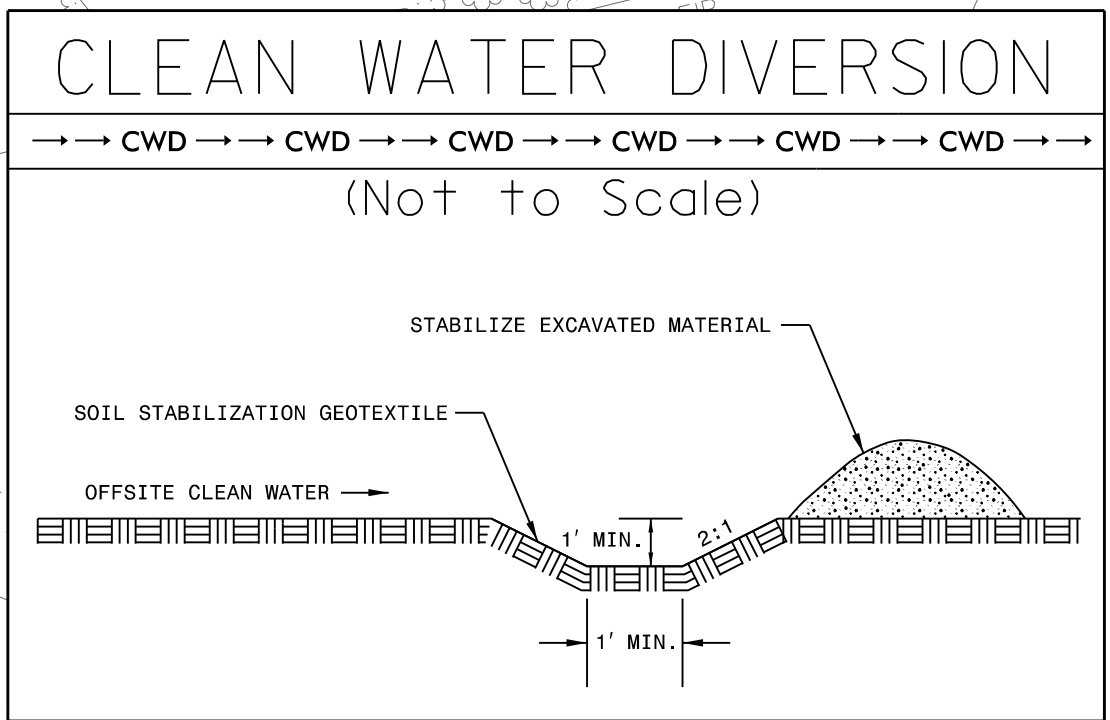
98 x 20 x 3  
 ID 9.8 F

92 x 20 x 3  
 ID 9.7 F

55 x 20 x 3  
 ID 10.25 F

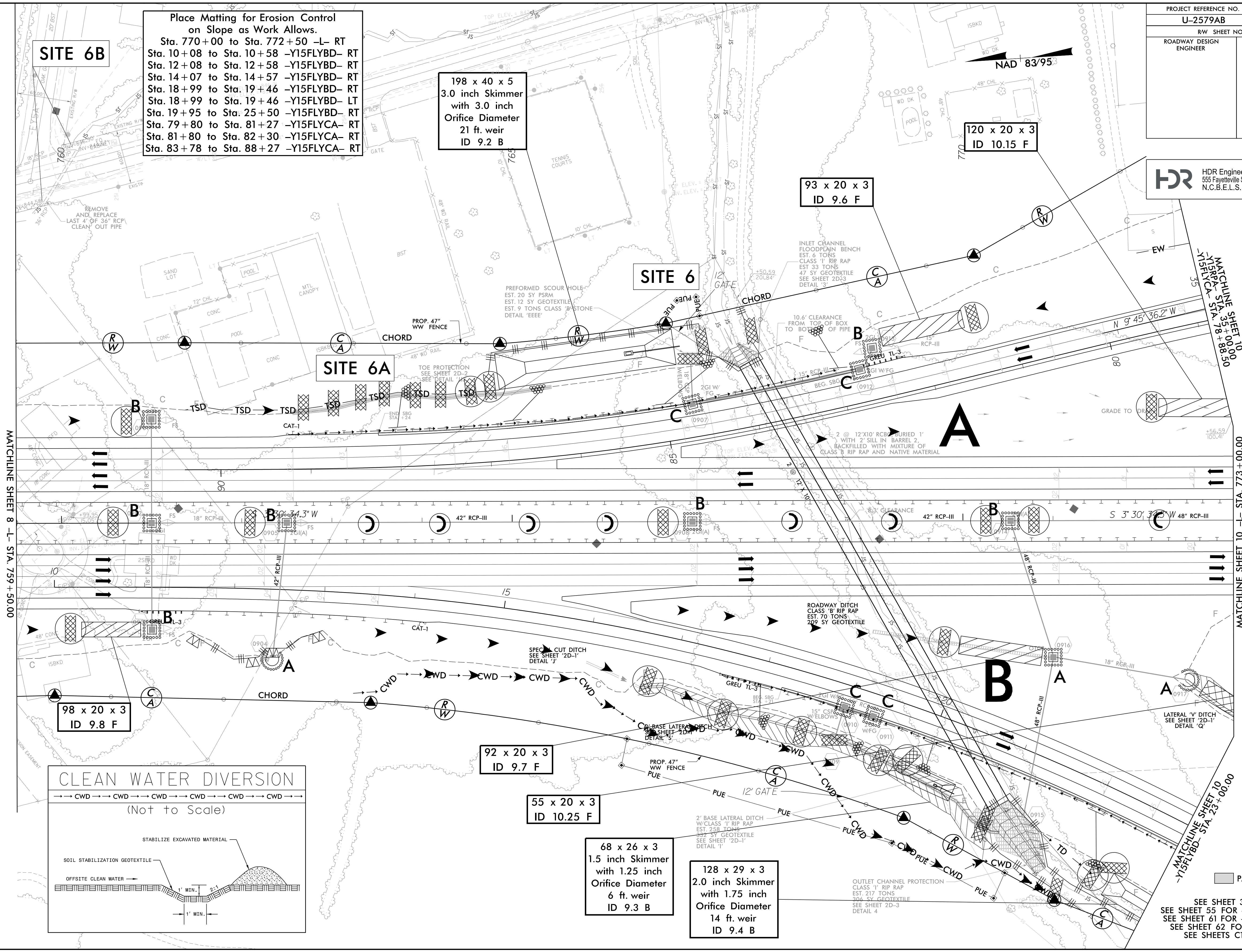
68 x 26 x 3  
 1.5 inch Skimmer  
 with 1.25 inch  
 Orifice Diameter  
 6 ft. weir  
 ID 9.3 B

128 x 29 x 3  
 2.0 inch Skimmer  
 with 1.75 inch  
 Orifice Diameter  
 14 ft. weir  
 ID 9.4 B



**NOTES:**  
 SEE SHEET 30 FOR -L- PROFILE  
 SEE SHEET 55 FOR -Y15FLYBD- PROFILE  
 SEE SHEET 61 FOR -Y15FLYCA- PROFILE  
 SEE SHEET 62 FOR -Y15RPA- PROFILE  
 SEE SHEETS C1-1 THRU C1-1 FOR CULVERT PLANS

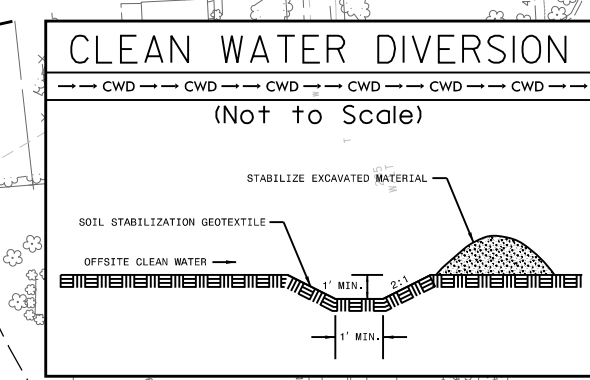
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 DATE: 7/16/2021





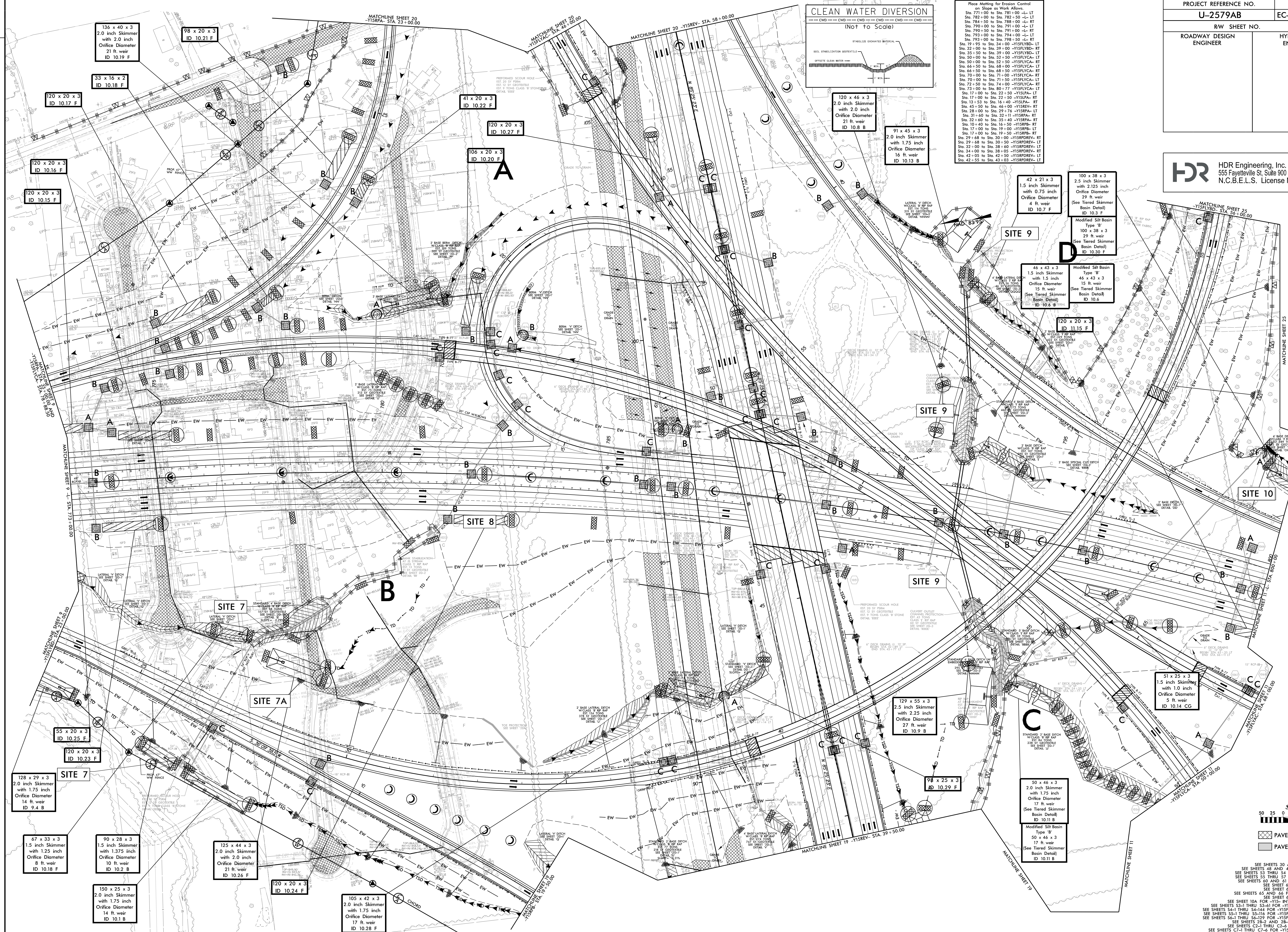
PROJECT REFERENCE NO.	SHEET NO.
U-2579AB	EC-37/CONST. 10
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

**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



Place Matting for Erosion Control on Slope as Work Allows.

Sta. 771+00 to Sta. 781+00	-L
Sta. 782+00 to Sta. 782+50	-L
Sta. 784+50 to Sta. 788+00	-RT
Sta. 790+00 to Sta. 791+00	-L
Sta. 793+50 to Sta. 791+00	-RT
Sta. 793+00 to Sta. 794+00	-L
Sta. 793+00 to Sta. 798+50	-L
Sta. 791+50 to Sta. 34+00	-V15FLVCA-RT
Sta. 32+00 to Sta. 39+00	-V15FLVBD-RT
Sta. 35+50 to Sta. 39+00	-V15FLVCA-RT
Sta. 50+00 to Sta. 52+50	-V15FLVCA-RT
Sta. 50+00 to Sta. 52+50	-V15FLVCA-RT
Sta. 66+50 to Sta. 68+00	-V15FLVCA-RT
Sta. 66+50 to Sta. 68+50	-V15FLVCA-RT
Sta. 70+00 to Sta. 71+50	-V15FLVCA-RT
Sta. 72+50 to Sta. 74+00	-V15FLVCA-RT
Sta. 73+00 to Sta. 80+77	-V15FLVCA-LT
Sta. 17+00 to Sta. 22+50	-V15FLVCA-LT
Sta. 13+50 to Sta. 16+40	-V15FLVCA-RT
Sta. 45+50 to Sta. 46+00	-V15FLVCA-RT
Sta. 28+00 to Sta. 29+76	-V15FLVCA-LT
Sta. 31+40 to Sta. 32+11	-V15FLVCA-RT
Sta. 32+60 to Sta. 35+40	-V15FLVCA-LT
Sta. 10+44 to Sta. 16+50	-V15FLVCA-LT
Sta. 17+00 to Sta. 19+00	-V15FLVCA-LT
Sta. 17+00 to Sta. 19+50	-V15FLVCA-LT
Sta. 29+68 to Sta. 30+00	-V15FLVCA-LT
Sta. 29+68 to Sta. 30+50	-V15FLVCA-LT
Sta. 32+00 to Sta. 38+60	-V15FLVCA-LT
Sta. 34+00 to Sta. 38+05	-V15FLVCA-LT
Sta. 42+05 to Sta. 42+60	-V15FLVCA-LT
Sta. 42+55 to Sta. 42+03	-V15FLVCA-LT



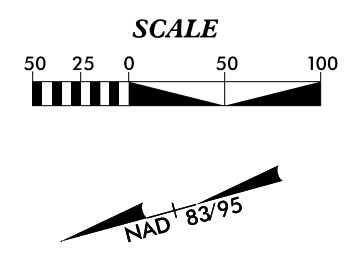
PAVEMENT REMOVAL  
 PAVED SHOULDER

NOTES:  
 SEE SHEETS 30 AND 31 FOR -L- PROFILE  
 SEE SHEETS 48 AND 49 FOR -V15REV- PROFILE  
 SEE SHEETS 53 THRU 54 FOR -V15FLVAC- PROFILE  
 SEE SHEETS 55 THRU 57 FOR -V15FLVBD- PROFILE  
 SEE SHEETS 60 AND 61 FOR -V15FLVCA- PROFILE  
 SEE SHEET 62 FOR -V15SRP- PROFILE  
 SEE SHEETS 63 AND 64 FOR -V15SRP- PROFILE  
 SEE SHEET 65 AND 66 FOR -V15SRP- PROFILE  
 SEE SHEET 67 FOR -V15FLVCA- PROFILE  
 SEE SHEET 10A FOR -V15- INTERCHANGE CURVE DATA  
 SEE SHEETS S3-1 THRU S3-61 FOR -V15REV- STRUCTURE PLANS  
 SEE SHEETS S4-1 THRU S4-64 FOR -V15FLVAC- STRUCTURE PLANS  
 SEE SHEETS S5-1 THRU S5-116 FOR -V15FLVBD- STRUCTURE PLANS  
 SEE SHEETS S6-1 THRU S6-129 FOR -V15FLVCA- STRUCTURE PLANS  
 SEE SHEETS 78-2 AND 78-3 FOR BRIDGE SKETCHES  
 SEE SHEETS C2-1 THRU C2-6 FOR -L- CULVERT PLANS  
 SEE SHEETS C7-1 THRU C7-6 FOR -V15SRP- CULVERT PLANS

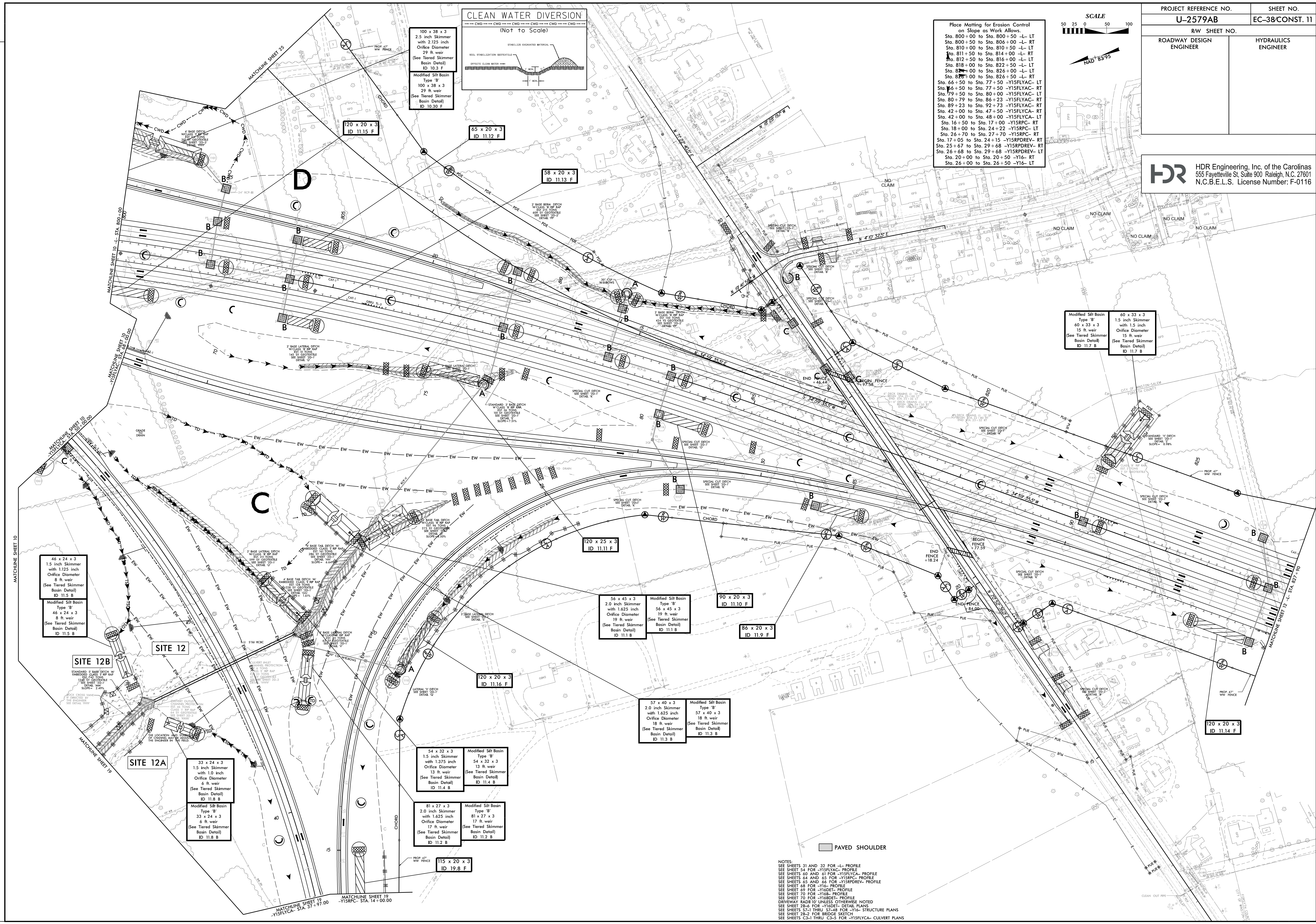
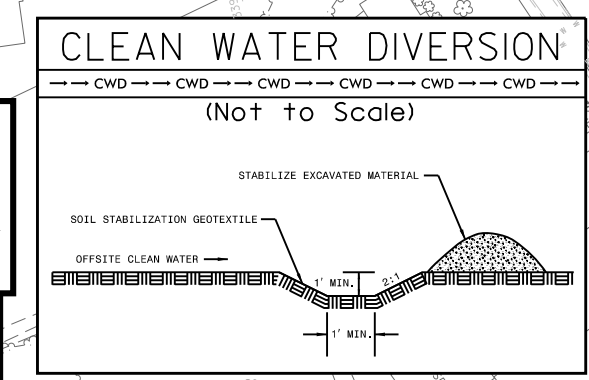
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Place Matting for Erosion Control on Slope as Work Allows.  
 Sta. 800+00 to Sta. 800+50 -L- LT  
 Sta. 800+50 to Sta. 800+00 -L- RT  
 Sta. 810+00 to Sta. 810+50 -L- LT  
 Sta. 810+50 to Sta. 810+00 -L- RT  
 Sta. 812+50 to Sta. 816+00 -L- LT  
 Sta. 816+00 to Sta. 822+50 -L- LT  
 Sta. 822+50 to Sta. 826+00 -L- LT  
 Sta. 826+00 to Sta. 826+50 -L- RT  
 Sta. 66+50 to Sta. 77+50 -Y15FLYAC- LT  
 Sta. 66+50 to Sta. 77+50 -Y15FLYAC- RT  
 Sta. 79+50 to Sta. 80+00 -Y15FLYAC- LT  
 Sta. 80+79 to Sta. 86+23 -Y15FLYAC- RT  
 Sta. 89+23 to Sta. 92+73 -Y15FLYAC- RT  
 Sta. 42+00 to Sta. 47+50 -Y15FLYCA- RT  
 Sta. 42+00 to Sta. 48+00 -Y15FLYCA- LT  
 Sta. 16+50 to Sta. 17+00 -Y15RPC- RT  
 Sta. 18+00 to Sta. 24+22 -Y15RPC- LT  
 Sta. 26+70 to Sta. 27+70 -Y15RPC- RT  
 Sta. 17+05 to Sta. 24+15 -Y15RPDREV- RT  
 Sta. 25+67 to Sta. 29+68 -Y15RPDREV- RT  
 Sta. 26+68 to Sta. 29+68 -Y15RPDREV- LT  
 Sta. 20+00 to Sta. 20+50 -Y16- RT  
 Sta. 26+00 to Sta. 26+50 -Y16- LT



46 x 24 x 3  
 1.5 inch Skimmer  
 with 1.125 inch  
 Orifice Diameter  
 8 ft. weir  
 (See Tiered Skimmer  
 Basin Detail)  
 ID 11.5 B  
 Modified Silt Basin  
 Type 'B'  
 46 x 24 x 3  
 8 ft. weir  
 (See Tiered Skimmer  
 Basin Detail)  
 ID 11.5 B

33 x 24 x 3  
 1.5 inch Skimmer  
 with 1.0 inch  
 Orifice Diameter  
 6 ft. weir  
 (See Tiered Skimmer  
 Basin Detail)  
 ID 11.8 B  
 Modified Silt Basin  
 Type 'B'  
 33 x 24 x 3  
 6 ft. weir  
 (See Tiered Skimmer  
 Basin Detail)  
 ID 11.8 B

54 x 32 x 3  
 1.5 inch Skimmer  
 with 1.375 inch  
 Orifice Diameter  
 13 ft. weir  
 (See Tiered Skimmer  
 Basin Detail)  
 ID 11.4 B  
 Modified Silt Basin  
 Type 'B'  
 54 x 32 x 3  
 13 ft. weir  
 (See Tiered Skimmer  
 Basin Detail)  
 ID 11.4 B

81 x 27 x 3  
 2.0 inch Skimmer  
 with 1.625 inch  
 Orifice Diameter  
 17 ft. weir  
 (See Tiered Skimmer  
 Basin Detail)  
 ID 11.2 B  
 Modified Silt Basin  
 Type 'B'  
 81 x 27 x 3  
 17 ft. weir  
 (See Tiered Skimmer  
 Basin Detail)  
 ID 11.2 B

115 x 20 x 3  
 ID 19.8 F

56 x 45 x 3  
 2.0 inch Skimmer  
 with 1.625 inch  
 Orifice Diameter  
 19 ft. weir  
 (See Tiered Skimmer  
 Basin Detail)  
 ID 11.1 B  
 Modified Silt Basin  
 Type 'B'  
 56 x 45 x 3  
 19 ft. weir  
 (See Tiered Skimmer  
 Basin Detail)  
 ID 11.1 B

57 x 40 x 3  
 2.0 inch Skimmer  
 with 1.625 inch  
 Orifice Diameter  
 18 ft. weir  
 (See Tiered Skimmer  
 Basin Detail)  
 ID 11.3 B  
 Modified Silt Basin  
 Type 'B'  
 57 x 40 x 3  
 18 ft. weir  
 (See Tiered Skimmer  
 Basin Detail)  
 ID 11.3 B

90 x 20 x 3  
 ID 11.10 F

86 x 20 x 3  
 ID 11.9 F

120 x 25 x 3  
 ID 11.11 F

120 x 20 x 3  
 ID 11.16 F

65 x 20 x 3  
 ID 11.12 F

58 x 20 x 3  
 ID 11.13 F

100 x 38 x 3  
 2.5 inch Skimmer  
 with 2.125 inch  
 Orifice Diameter  
 29 ft. weir  
 (See Tiered Skimmer  
 Basin Detail)  
 ID 10.3 F  
 Modified Silt Basin  
 Type 'B'  
 100 x 38 x 3  
 29 ft. weir  
 (See Tiered Skimmer  
 Basin Detail)  
 ID 10.3 F

120 x 20 x 3  
 ID 11.15 F

Modified Silt Basin  
 Type 'B'  
 60 x 33 x 3  
 with 1.5 inch  
 Orifice Diameter  
 15 ft. weir  
 (See Tiered Skimmer  
 Basin Detail)  
 ID 11.7 B  
 60 x 33 x 3  
 1.5 inch Skimmer  
 with 1.5 inch  
 Orifice Diameter  
 15 ft. weir  
 (See Tiered Skimmer  
 Basin Detail)  
 ID 11.7 B

NOTES:  
 SEE SHEETS 31 AND 32 FOR -L- PROFILE  
 SEE SHEET 34 FOR -Y15FLYAC- PROFILE  
 SEE SHEETS 40 AND 41 FOR -Y15FLYCA- PROFILE  
 SEE SHEETS 64 AND 65 FOR -Y15RPC- PROFILE  
 SEE SHEETS 65 AND 66 FOR -Y15RPDREV- PROFILE  
 SEE SHEET 68 FOR -Y16- PROFILE  
 SEE SHEET 69 FOR -Y16DET- PROFILE  
 SEE SHEET 70 FOR -Y16B- PROFILE  
 SEE SHEET 71 FOR -Y16DET- PROFILE  
 DRIVEWAY RADII UNLESS OTHERWISE NOTED  
 SEE SHEET 78-8 FOR -Y16DET- DETAIL PLANS  
 SEE SHEETS 57-1 THRU 57-48 FOR -Y16- STRUCTURE PLANS  
 SEE SHEET 78-2 FOR BRIDGE SKETCH  
 SEE SHEETS C2-1 THRU C2-5 FOR -Y15FLYCA- CULVERT PLANS

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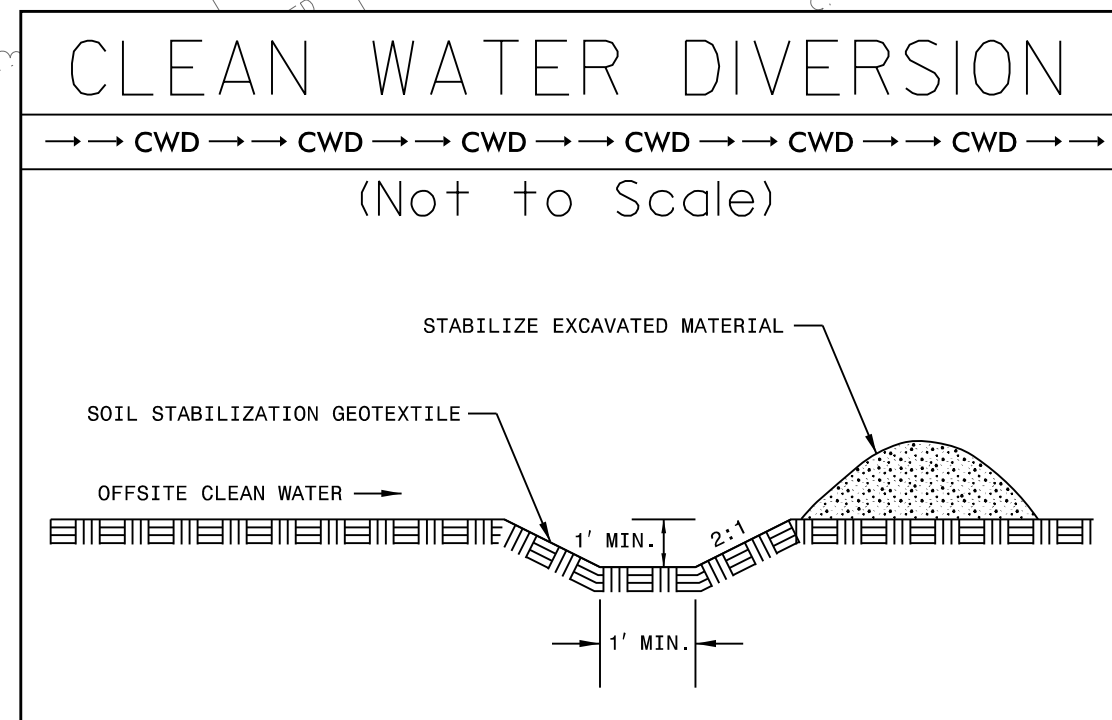
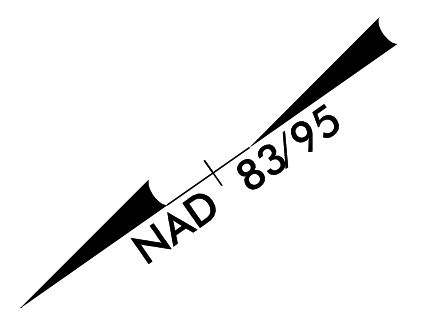
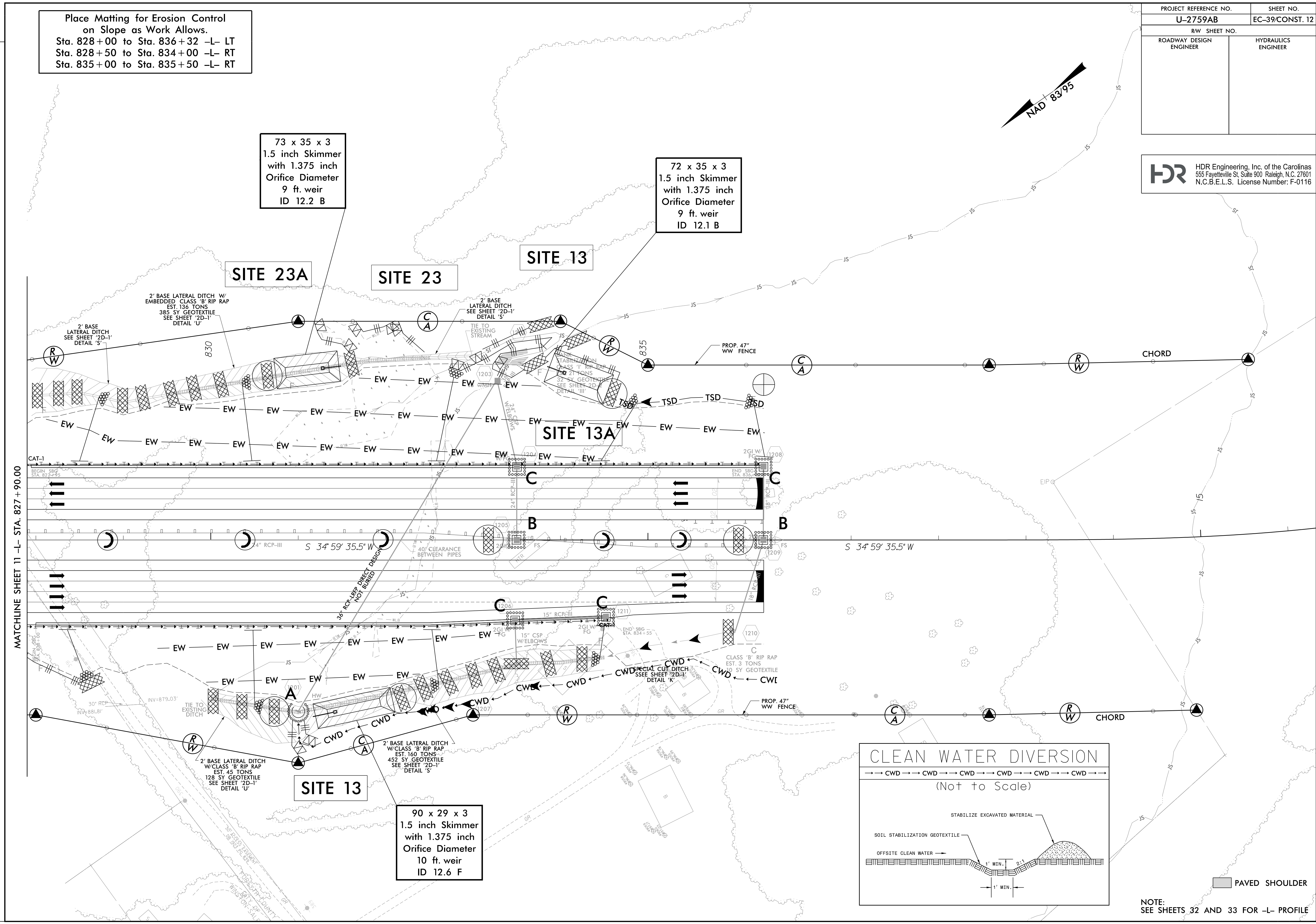
**HDR** HDR Engineering, Inc. of the Carolinas  
555 Fayetteville St. Suite 900 Raleigh, N.C. 27601  
N.C.B.E.L.S. License Number: F-0116

Place Matting for Erosion Control  
on Slope as Work Allows.  
Sta. 828+00 to Sta. 836+32 -L- LT  
Sta. 828+50 to Sta. 834+00 -L- RT  
Sta. 835+00 to Sta. 835+50 -L- RT

73 x 35 x 3  
1.5 inch Skimmer  
with 1.375 inch  
Orifice Diameter  
9 ft. weir  
ID 12.2 B

72 x 35 x 3  
1.5 inch Skimmer  
with 1.375 inch  
Orifice Diameter  
9 ft. weir  
ID 12.1 B

90 x 29 x 3  
1.5 inch Skimmer  
with 1.375 inch  
Orifice Diameter  
10 ft. weir  
ID 12.6 F



PAVED SHOULDER

NOTE:  
SEE SHEETS 32 AND 33 FOR -L- PROFILE

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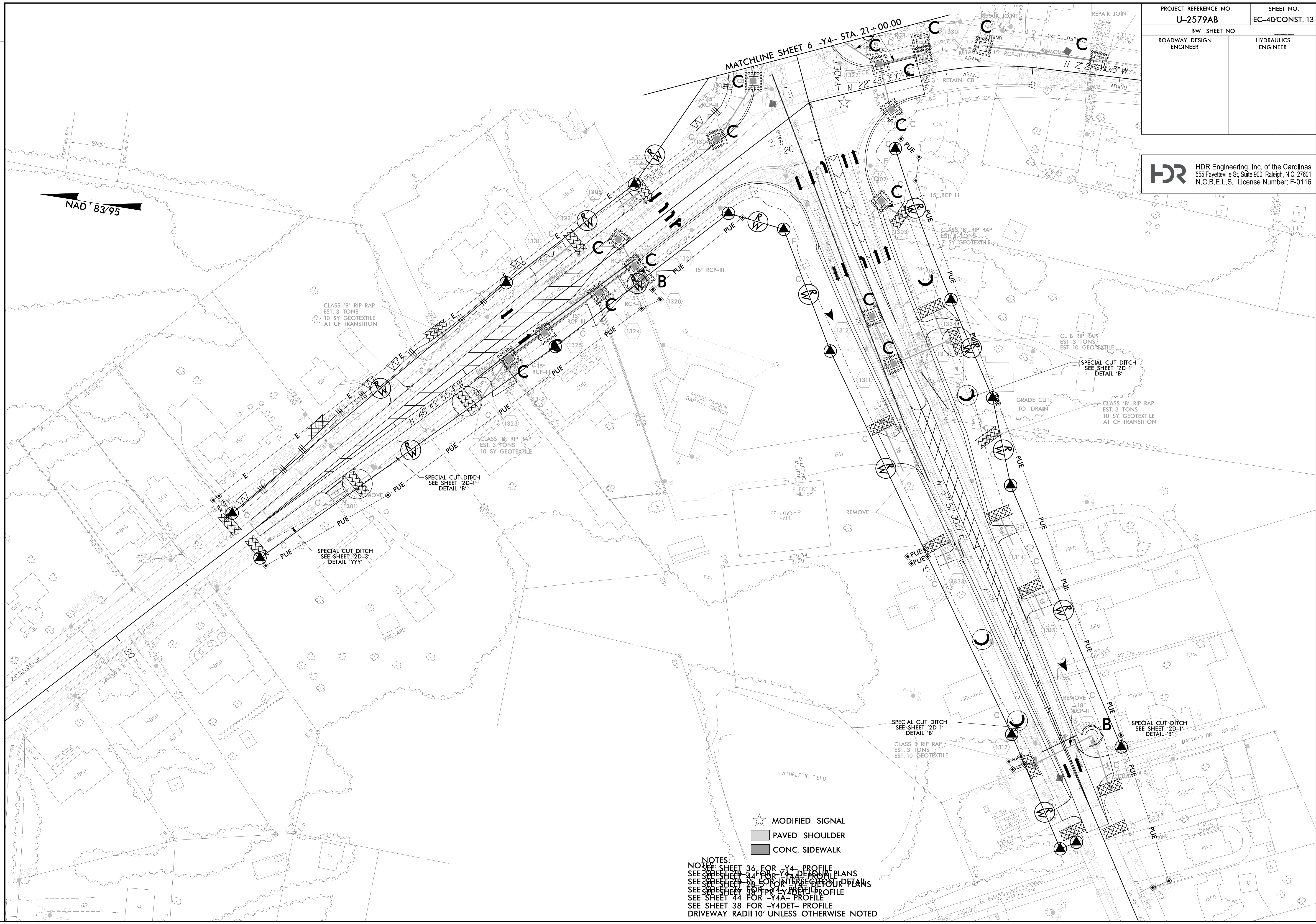
REVISIONS

MATCHLINE SHEET 11 -L- STA. 827+90.00



PROJECT REFERENCE NO.	SHEET NO.
U-2579AB	EC-40CONST. 13
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

**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



NAD 83/95

- ☆ MODIFIED SIGNAL
- ▭ PAVED SHOULDER
- ▭ CONC. SIDEWALK

NOTES:  
 SEE SHEET 36 FOR -Y4- PROFILE  
 SEE SHEET 34 FOR -Y4- DETAIL PLANS  
 SEE SHEET 34 FOR -Y4- DETAIL PLANS  
 SEE SHEET 36 FOR -Y4- DETAIL PLANS  
 SEE SHEET 38 FOR -Y4- PROFILE  
 SEE SHEET 44 FOR -Y4- PROFILE  
 SEE SHEET 38 FOR -Y4DET- PROFILE  
 DRIVEWAY RADII 10' UNLESS OTHERWISE NOTED

REVISIONS

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PROJECT REFERENCE NO.	SHEET NO.
U-2579AB	EC-41/CONST. 14
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

**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



REVISIONS

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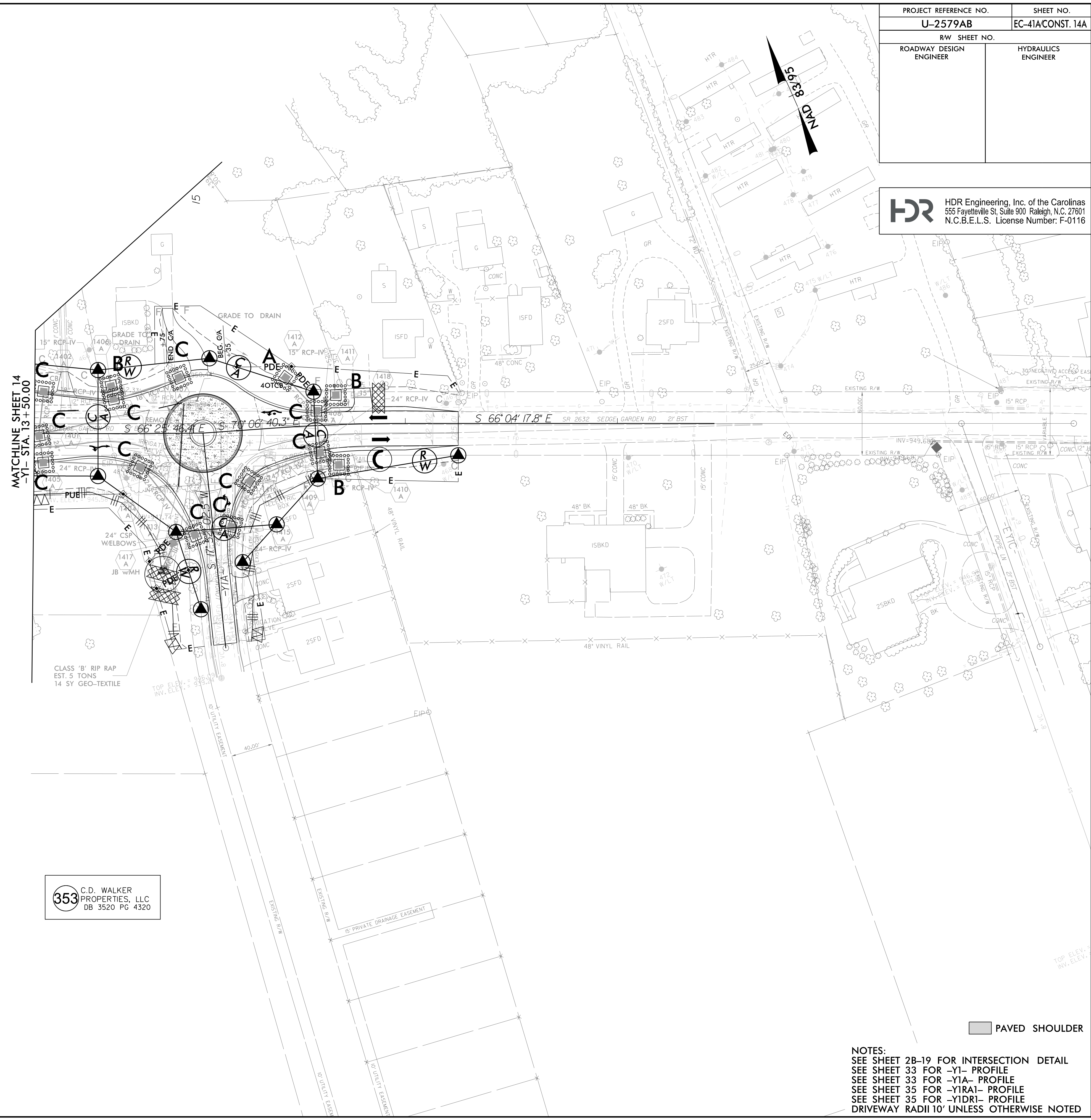
- ★ MODIFIED SIGNAL
- ▨ PAVED SHOULDER
- ▨ CONC. SIDEWALK

NOTES:  
 SEE SHEET 2B-5 FOR -Y4- DETOUR PLANS  
 SEE SHEET 2B-18 FOR INTERSECTION DETAIL  
 SEE SHEET 37 FOR -Y4- PROFILE  
 SEE SHEET 38 FOR -Y4DET- PROFILE  
 SEE SHEETS 34 AND 35 FOR -Y1- PROFILE  
 SEE SHEET 33 FOR -Y1- PROFILE  
 DRIVEWAY RADII 10' UNLESS OTHERWISE NOTED



PROJECT REFERENCE NO.	SHEET NO.
U-2579AB	EC-41A/CONST. 14A
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

**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



MATCHLINE SHEET 14  
 -Y1- STA. 13 + 50.00

**353** C.D. WALKER  
 PROPERTIES, LLC  
 DB 3520 PG 4320

PAVED SHOULDER

NOTES:  
 SEE SHEET 28-19 FOR INTERSECTION DETAIL  
 SEE SHEET 33 FOR -Y1- PROFILE  
 SEE SHEET 33 FOR -Y1A- PROFILE  
 SEE SHEET 35 FOR -Y1RA1- PROFILE  
 SEE SHEET 35 FOR -Y1DR1- PROFILE  
 DRIVEWAY RADII 10' UNLESS OTHERWISE NOTED

REVISIONS

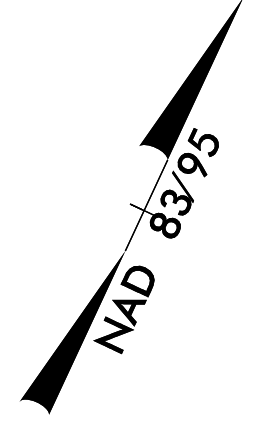
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PROJECT REFERENCE NO.	SHEET NO.
U-2579AB	EC-42/CONST. 15
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

**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



REVISIONS

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PAVED SHOULDER

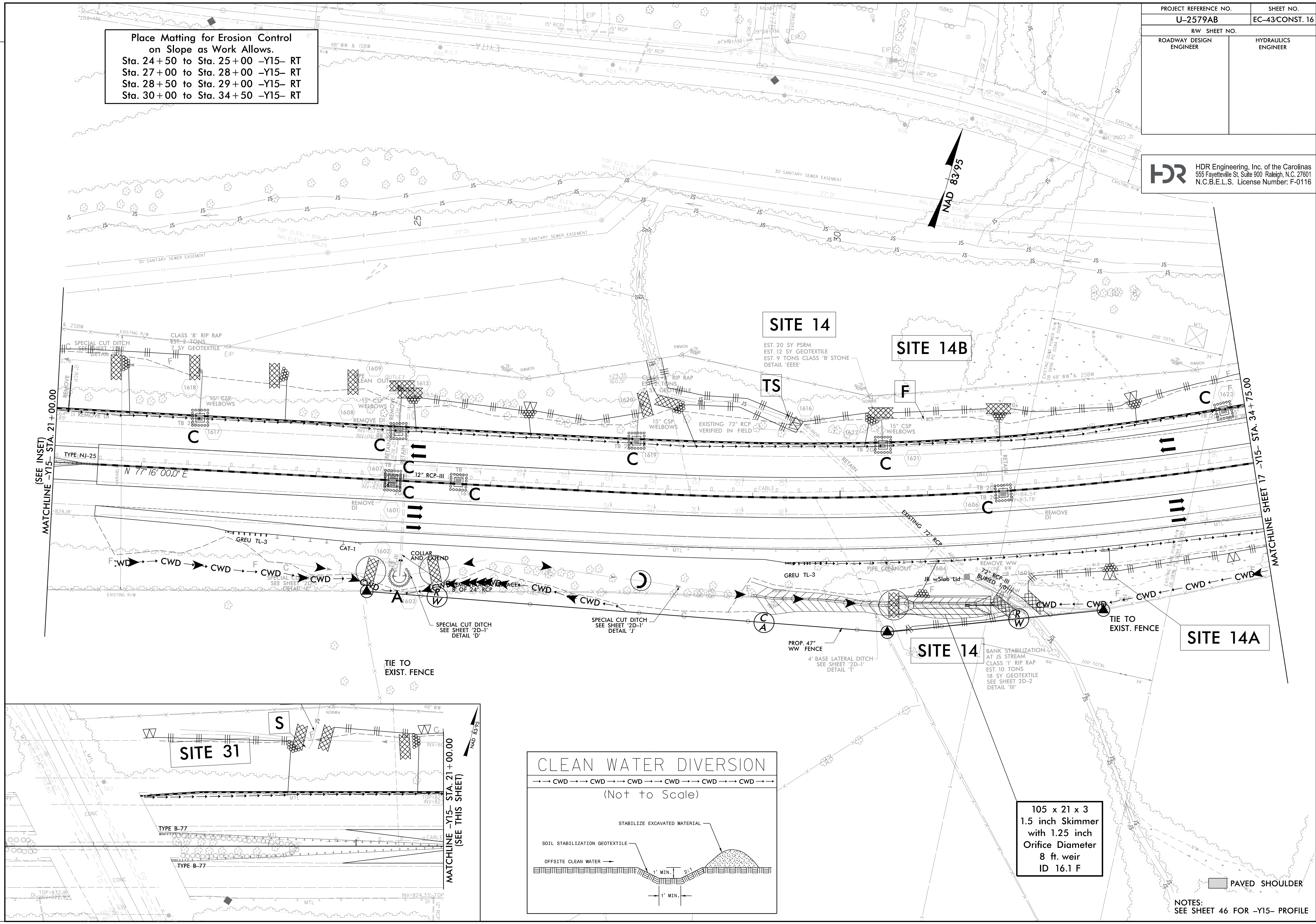
NOTES:  
 SEE SHEET 37 FOR -Y4- PROFILE  
 DRIVEWAY RADII 10' UNLESS OTHERWISE NOTED



PROJECT REFERENCE NO.	SHEET NO.
U-2579AB	EC-43/CONST. 16
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

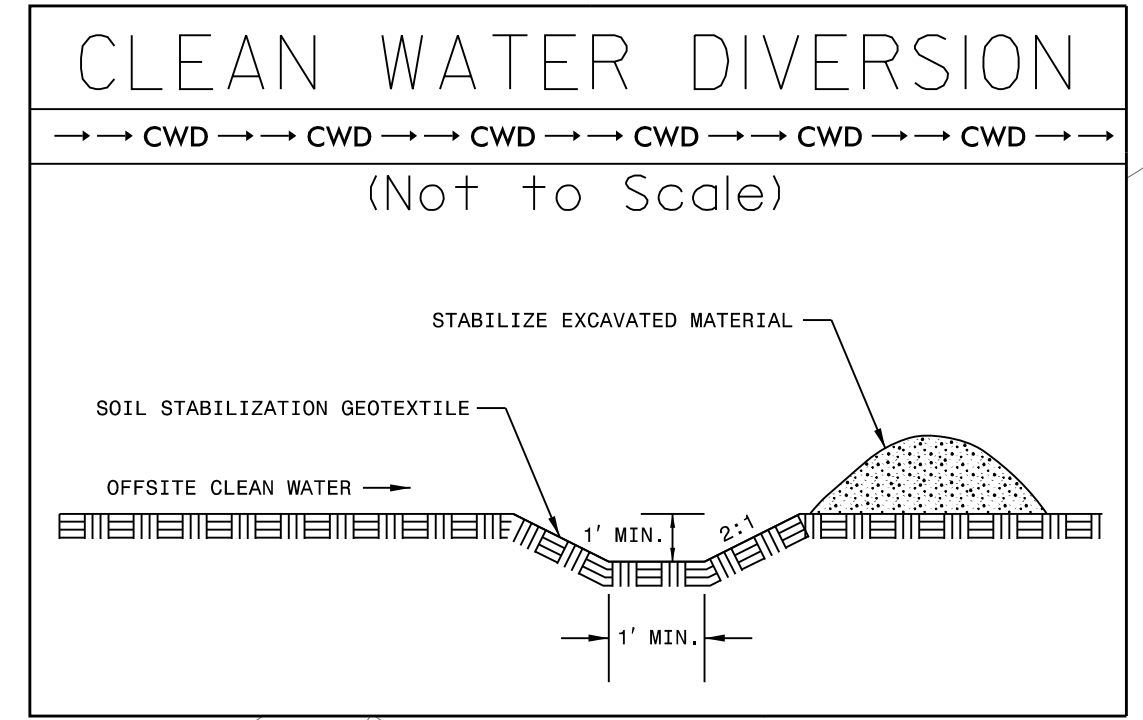
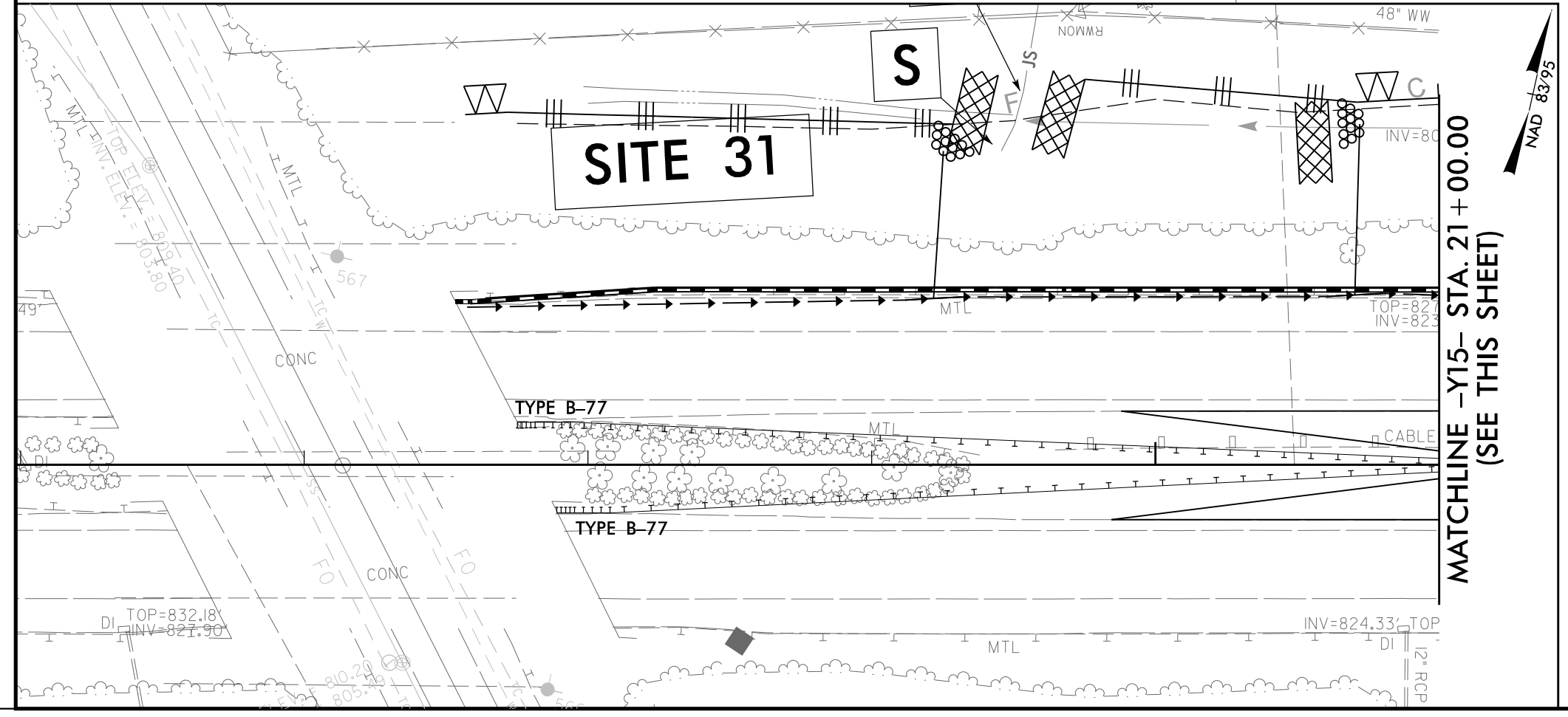
**HDR** HDR Engineering, Inc. of the Carolinas  
 555 Fayetteville St. Suite 900 Raleigh, N.C. 27601  
 N.C.B.E.L.S. License Number: F-0116

Place Matting for Erosion Control  
 on Slope as Work Allows.  
 Sta. 24+50 to Sta. 25+00 -Y15- RT  
 Sta. 27+00 to Sta. 28+00 -Y15- RT  
 Sta. 28+50 to Sta. 29+00 -Y15- RT  
 Sta. 30+00 to Sta. 34+50 -Y15- RT



REVISIONS

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105 x 21 x 3  
 1.5 inch Skimmer  
 with 1.25 inch  
 Orifice Diameter  
 8 ft. weir  
 ID 16.1 F

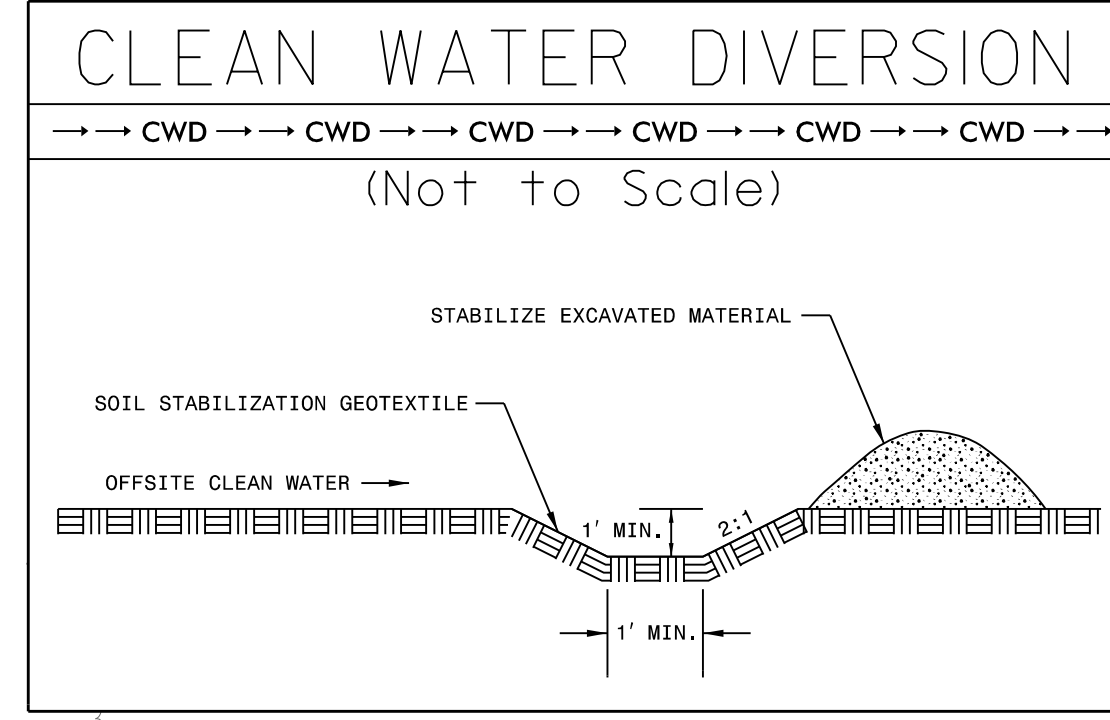
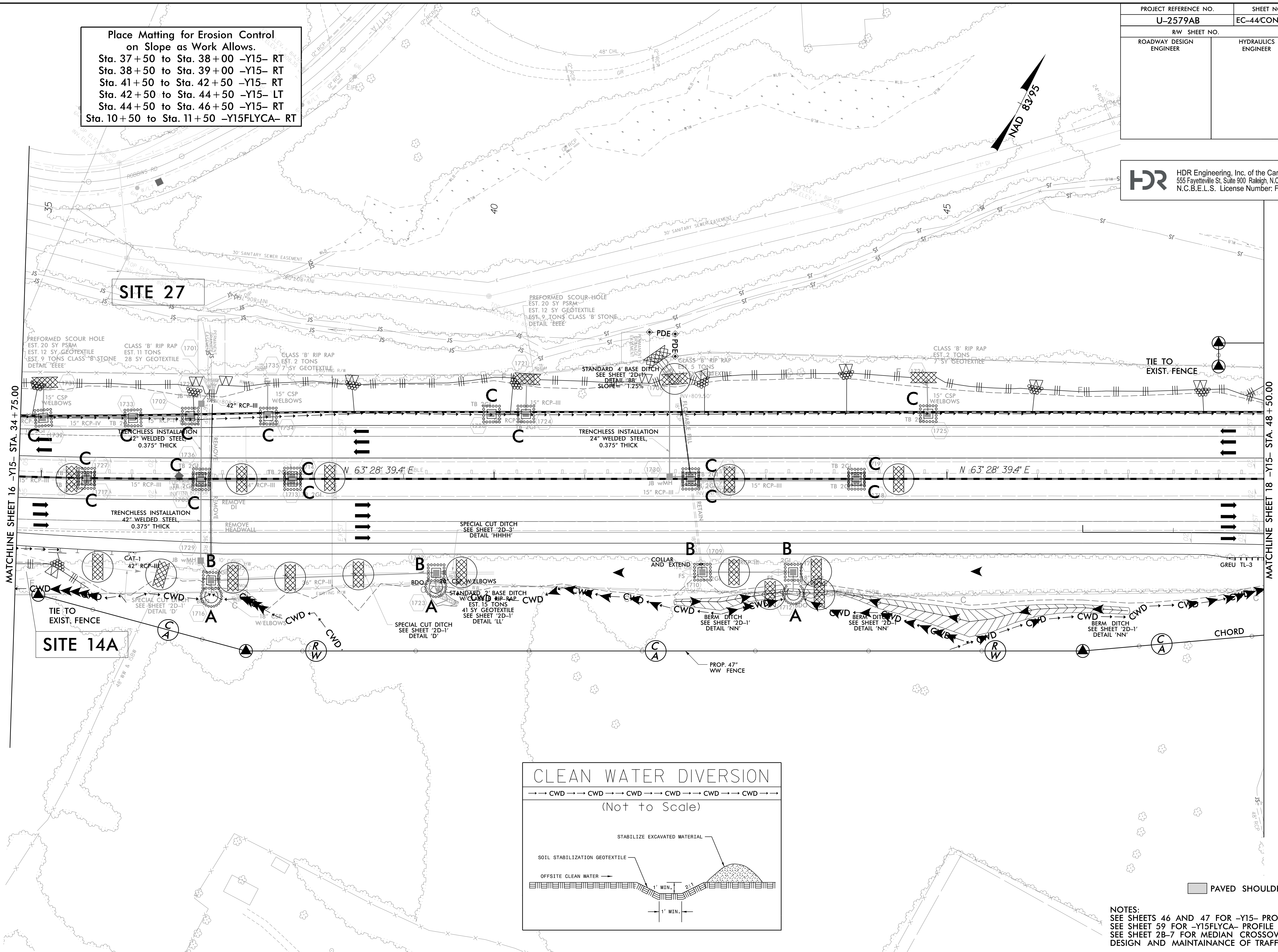
PAVED SHOULDER  
 NOTES:  
 SEE SHEET 46 FOR -Y15- PROFILE



PROJECT REFERENCE NO.	SHEET NO.
U-2579AB	EC-44CONST. 17
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

**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

Place Matting for Erosion Control on Slope as Work Allows.  
 Sta. 37+50 to Sta. 38+00 -Y15- RT  
 Sta. 38+50 to Sta. 39+00 -Y15- RT  
 Sta. 41+50 to Sta. 42+50 -Y15- RT  
 Sta. 42+50 to Sta. 44+50 -Y15- LT  
 Sta. 44+50 to Sta. 46+50 -Y15- RT  
 Sta. 10+50 to Sta. 11+50 -Y15FLYCA- RT



NOTES:  
 SEE SHEETS 46 AND 47 FOR -Y15- PROFILE  
 SEE SHEET 59 FOR -Y15FLYCA- PROFILE  
 SEE SHEET 28-7 FOR MEDIAN CROSSOVER DESIGN AND MAINTAINANCE OF TRAFFIC

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REVISIONS

PAVED SHOULDER



PROJECT REFERENCE NO.	SHEET NO.
U-2579AB	EC-45/CONST. 18
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

**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

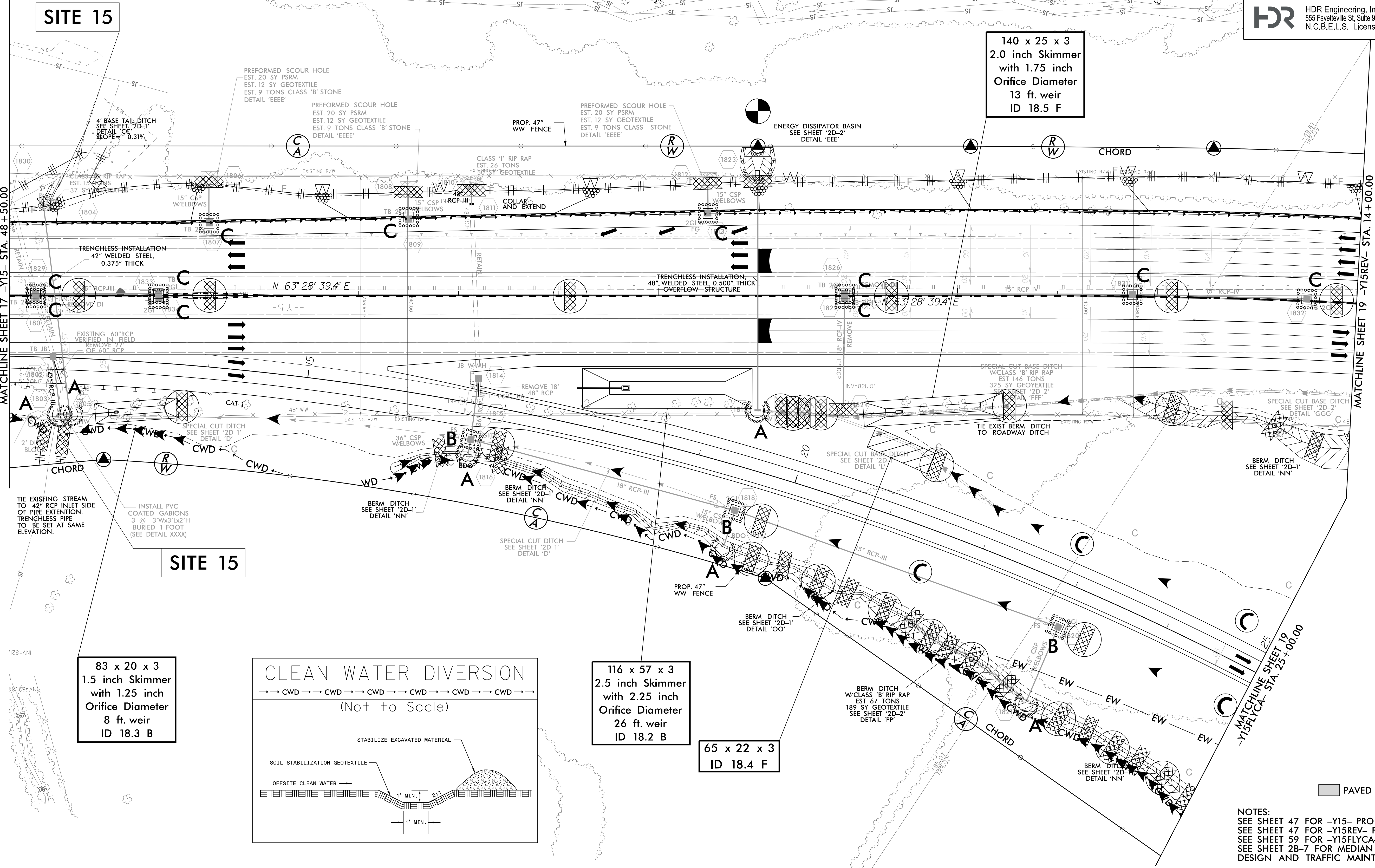
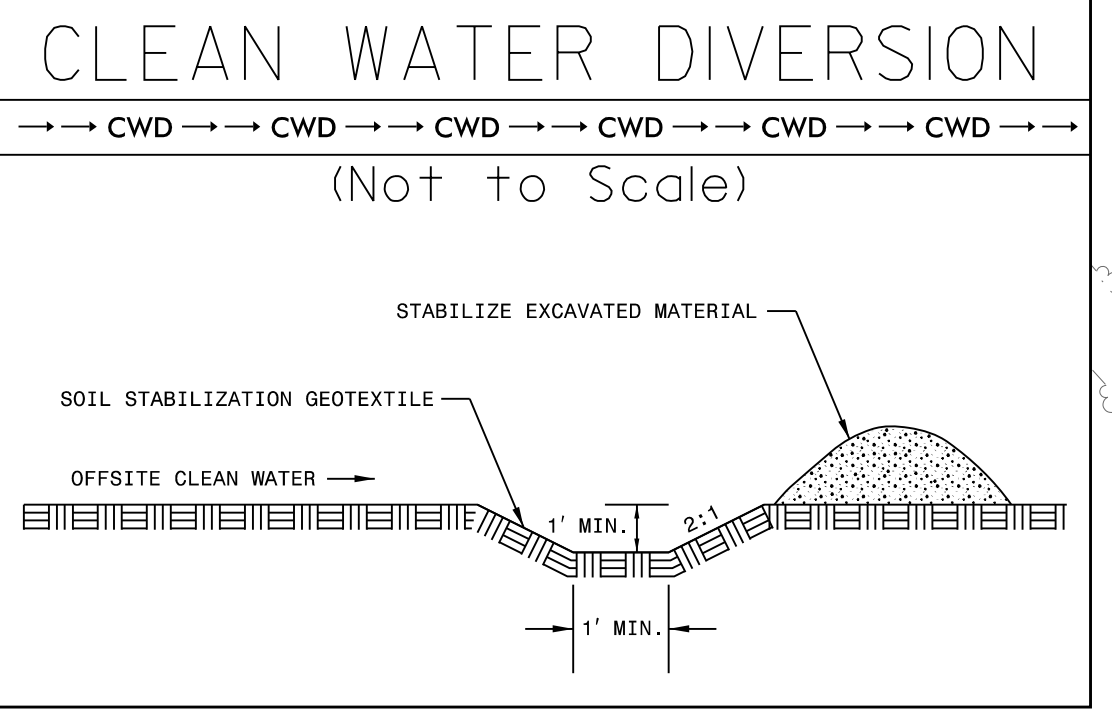
Place Matting for Erosion Control on Slope as Work Allows.  
 Sta. 8+00 to Sta. 16+00 -Y15- LT  
 Sta. 51+00 to Sta. 56+00 -Y15- LT  
 Sta. 15+60 to Sta. 18+57 -Y15FLYCA- RT  
 Sta. 18+57 to Sta. 18+93 -Y15FLYCA- RT  
 Sta. 18+57 to Sta. 19+06 -Y15FLYCA- LT  
 Sta. 19+50 to Sta. 28+50 -Y15FLYCA- RT  
 Sta. 20+00 to Sta. 20+50 -Y15FLYCA- LT

140 x 25 x 3  
 2.0 inch Skimmer  
 with 1.75 inch  
 Orifice Diameter  
 13 ft. weir  
 ID 18.5 F

83 x 20 x 3  
 1.5 inch Skimmer  
 with 1.25 inch  
 Orifice Diameter  
 8 ft. weir  
 ID 18.3 B

116 x 57 x 3  
 2.5 inch Skimmer  
 with 2.25 inch  
 Orifice Diameter  
 26 ft. weir  
 ID 18.2 B

65 x 22 x 3  
 ID 18.4 F



PAVED SHOULDER

NOTES:  
 SEE SHEET 47 FOR -Y15- PROFILE  
 SEE SHEET 47 FOR -Y15REV- PROFILE  
 SEE SHEET 59 FOR -Y15FLYCA- PROFILE  
 SEE SHEET 2B-7 FOR MEDIAN CROSSOVER  
 DESIGN AND TRAFFIC MAINTAINANCE

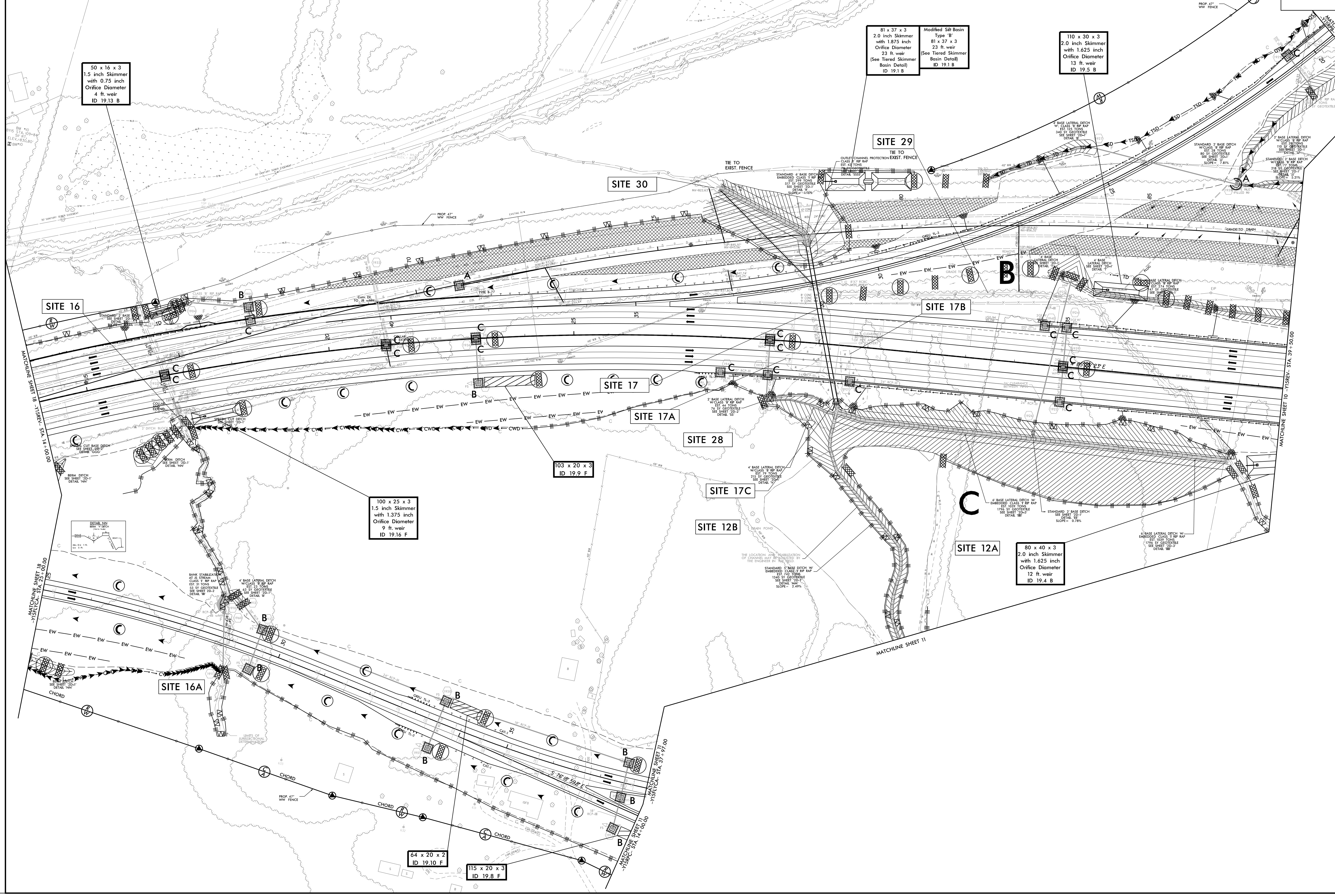
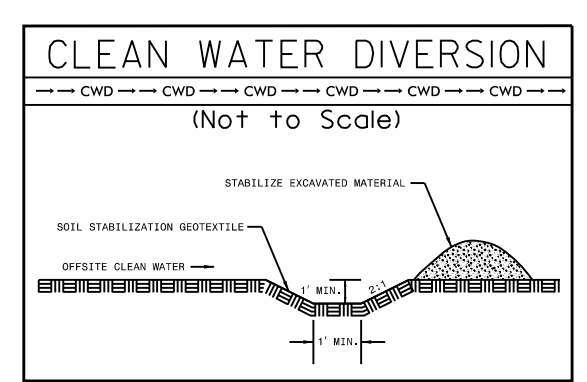
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 REVISIONS



PROJECT REFERENCE NO.	SHEET NO.
U-2579AB	EC-46CONSTR. 19
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

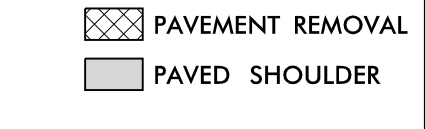
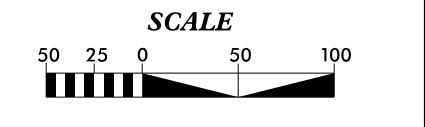
**HDR** HDR Engineering, Inc. of the Carolinas  
 555 Fayetteville St., Suite 900 Raleigh, N.C. 27601  
 N.C.B.E.L.S. License Number: F-0116

Place Matting for Erosion Control on Slope as Work Allows.  
 Sta. 24+00 to Sta. 27+50 -Y15FLYCA- LT  
 Sta. 29+00 to Sta. 29+50 -Y15FLYCA- RT  
 Sta. 30+00 to Sta. 34+00 -Y15FLYCA- RT  
 Sta. 31+00 to Sta. 40+00 -Y15FLYCA- LT  
 Sta. 13+50 to Sta. 16+00 -Y15REV- RT  
 Sta. 17+50 to Sta. 27+00 -Y15REV- RT  
 Sta. 29+00 to Sta. 44+50 -Y15REV- RT  
 Sta. 31+50 to Sta. 38+00 -Y15REV- DITCH RT  
 Sta. 31+50 to Sta. 41+50 -Y15REV- LT  
 Sta. 22+00 to Sta. 28+81 -Y15RPB- LT  
 Sta. 23+50 to Sta. 27+00 -Y15RPB- RT  
 Sta. 29+27 to Sta. 29+75 -Y15RPB- RT  
 Sta. 10+50 to Sta. 16+04 -Y15RPC- RT



REVISIONS

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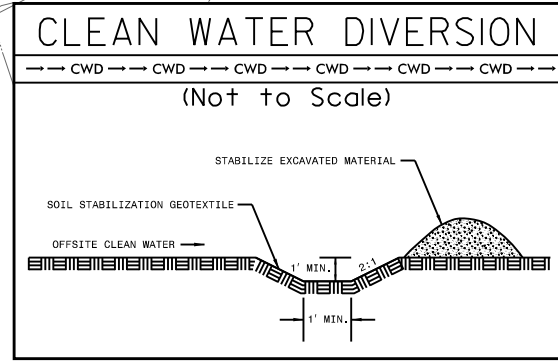


NOTES  
 SEE SHEETS 47 AND 48 FOR -Y15REV- PROFILE  
 SEE SHEETS 59 AND 60 FOR -Y15FLYCA- PROFILE  
 SEE SHEET 64 FOR -Y15RPC- PROFILE  
 SEE SHEETS 63 AND 64 FOR -Y15RPB- PROFILE  
 SEE SHEETS C-41 THRU C-46 FOR -Y15REV- CULVERT PLANS



PROJECT REFERENCE NO.	SHEET NO.
U-2579AB	EC-47/CONST. 20
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

**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



43 x 86 x 3  
 2.0 inch Skimmer  
 with 1.625 inch  
 Orifice Diameter  
 14 ft. weir  
 ID 20.13 F

45 x 62 x 3  
 2.0 inch Skimmer  
 with 1.75 inch  
 Orifice Diameter  
 21 ft. weir  
 (See Tiered Skimmer  
 Basin Detail)  
 ID 20.4 B

40 x 30 x 3  
 1.5 inch Skimmer  
 with 1.25 inch  
 Orifice Diameter  
 9 ft. weir  
 (See Tiered Skimmer  
 Basin Detail)  
 ID 20.3 B

Modified Silt Basin  
 Type 'B'  
 40 x 30 x 3  
 9 ft. weir  
 (See Tiered Skimmer  
 Basin Detail)  
 ID 20.3 B

50 x 24 x 3  
 1.5 inch Skimmer  
 with 1.0 inch  
 Orifice Diameter  
 5 ft. weir  
 ID 20.11 B

86 x 30 x 3  
 2.0 inch Skimmer  
 with 1.625 inch  
 Orifice Diameter  
 14 ft. weir  
 ID 20.14 F

120 x 20 x 3  
 2.5 inch Skimmer  
 with 2.125 inch  
 Orifice Diameter  
 23 ft. weir  
 ID 20.17 F

120 x 20 x 3  
 2.5 inch Skimmer  
 with 2.125 inch  
 Orifice Diameter  
 23 ft. weir  
 ID 20.18 F

72 x 20 x 3  
 2.5 inch Skimmer  
 with 2.125 inch  
 Orifice Diameter  
 23 ft. weir  
 ID 20.16 F

73 x 20 x 3  
 2.5 inch Skimmer  
 with 2.125 inch  
 Orifice Diameter  
 23 ft. weir  
 ID 20.15 F

114 x 52 x 3  
 2.5 inch Skimmer  
 with 2.125 inch  
 Orifice Diameter  
 23 ft. weir  
 ID 20.5 B

77 x 30 x 3  
 1.5 inch Skimmer  
 with 1.375 inch  
 Orifice Diameter  
 8 ft. weir  
 ID 20.7 B

Place Matting for Erosion Control on Slope as Work Allows.

Sta. 19+54 to Sta. 21+53 -Y15FLYAC- LT
Sta. 19+54 to Sta. 32+00 -Y15FLYAC- RT
Sta. 23+00 to Sta. 24+00 -Y15FLYAC- RT
Sta. 26+00 to Sta. 42+50 -Y15FLYAC- LT
Sta. 39+00 to Sta. 47+50 -Y15FLYAC- RT
Sta. 43+50 to Sta. 47+50 -Y15FLYAC- LT
Sta. 70+50 to Sta. 82+50 -Y15FLYBD- RT
Sta. 71+00 to Sta. 82+50 -Y15FLYBD- LT
Sta. 86+15 to Sta. 86+50 -Y15FLYBD- LT
Sta. 86+15 to Sta. 86+50 -Y15FLYBD- RT
Sta. 86+15 to Sta. 86+65 -Y15FLYBD- LT
Sta. 86+15 to Sta. 86+65 -Y15FLYBD- RT
Sta. 86+65 to Sta. 90+05 -Y15FLYBD- RT
Sta. 62+50 to Sta. 71+50 -Y15REV- RT
Sta. 74+50 to Sta. 77+00 -Y15REV- LT
Sta. 75+00 to Sta. 76+50 -Y15REV- RT
Sta. 77+00 to Sta. 77+50 -Y15REV- RT
Sta. 78+00 to Sta. 80+50 -Y15REV- LT
Sta. 78+50 to Sta. 80+50 -Y15REV- RT
Sta. 81+50 to Sta. 84+00 -Y15REV- LT
Sta. 10+00 to Sta. 14+02 -Y15RPA- RT
Sta. 14+52 to Sta. 20+00 -Y15RPA- RT
Sta. 18+65 to Sta. 19+00 -Y15RPA- LT
Sta. 44+01 to Sta. 48+49 -Y15RPDRV- RT

50 25 50 100

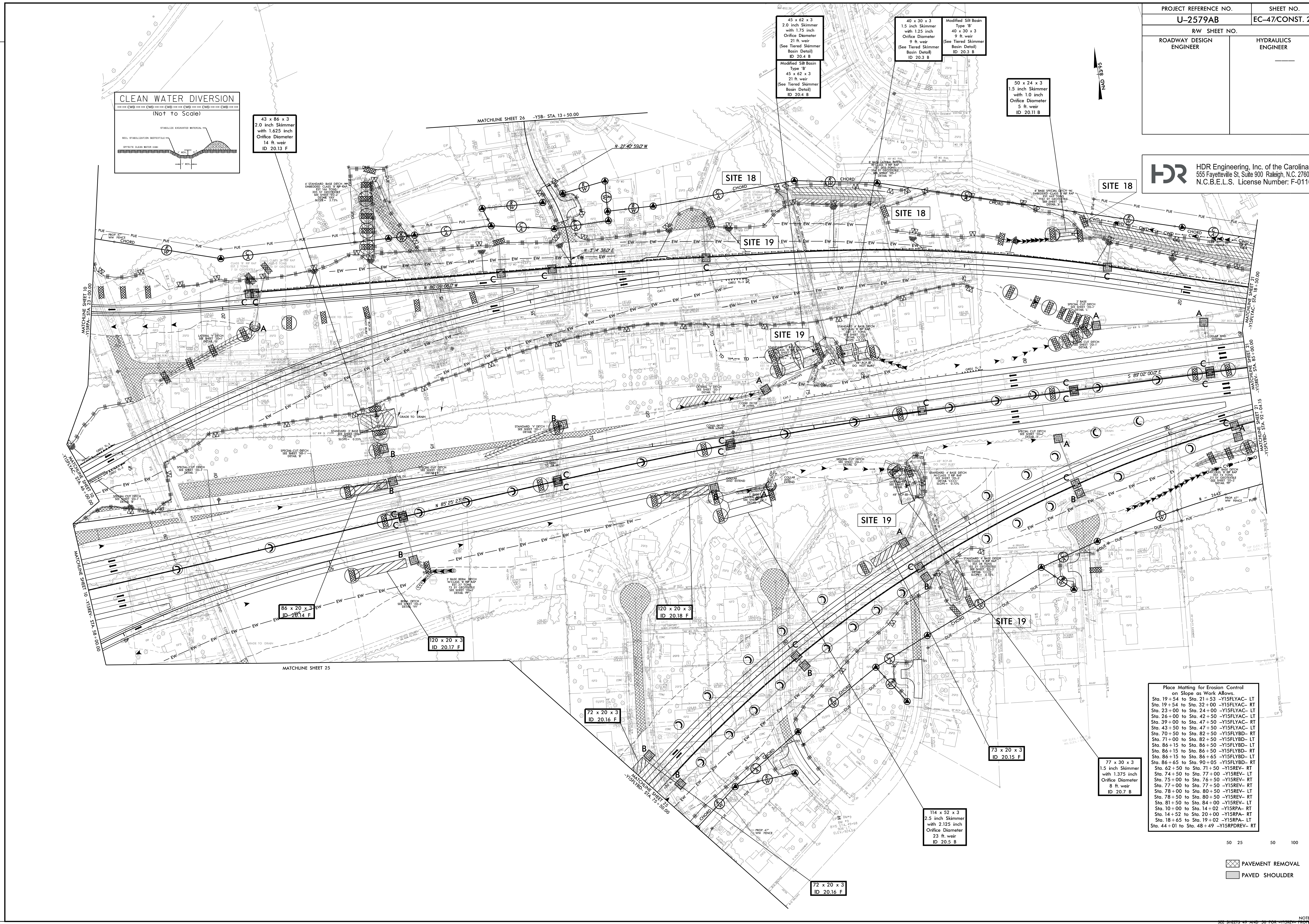
PAVEMENT REMOVAL  
 PAVED SHOULDER

NOTES:  
 SEE SHEETS 52 AND 53 FOR -Y15FLYAC- PROFILE  
 SEE SHEETS 57 AND 58 FOR -Y15FLYBD- PROFILE  
 SEE SHEET 67 FOR -Y15RPA- PROFILE  
 SEE SHEET 28-8 FOR MEDIAN CROSSOVER DESIGN AND TRAFFIC MAINTENANCE

REVISIONS

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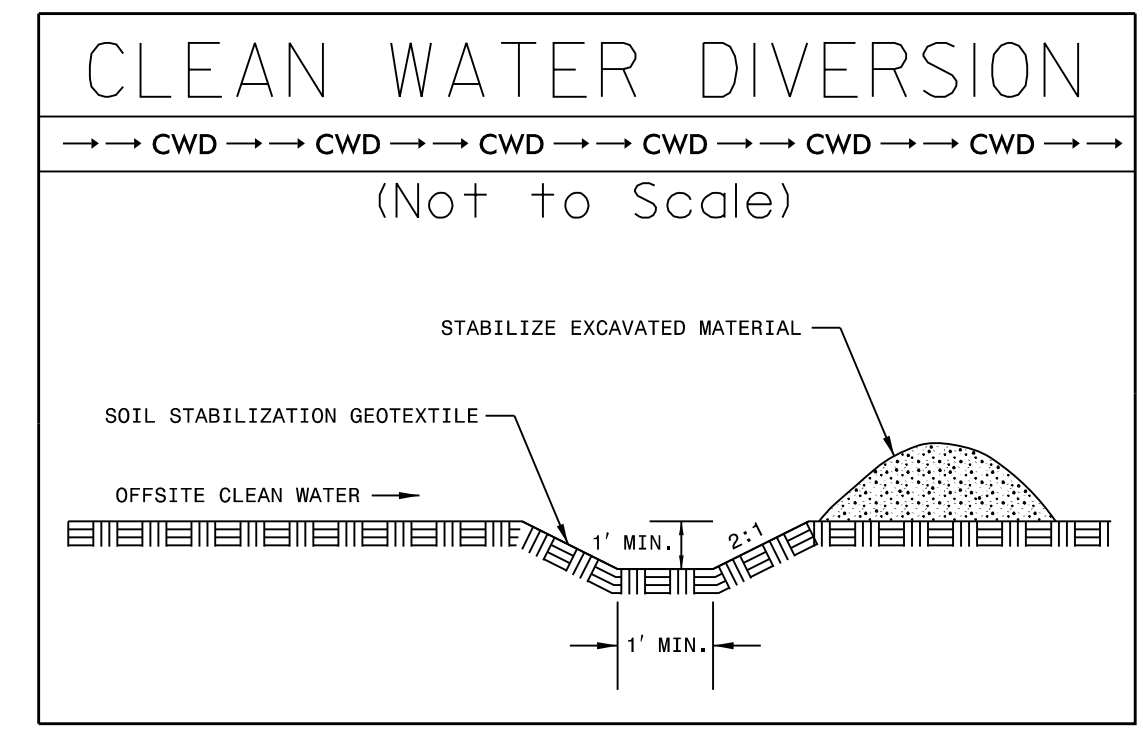




PROJECT REFERENCE NO.	SHEET NO.
U-2579AB	EC-48CONSTR. 21
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

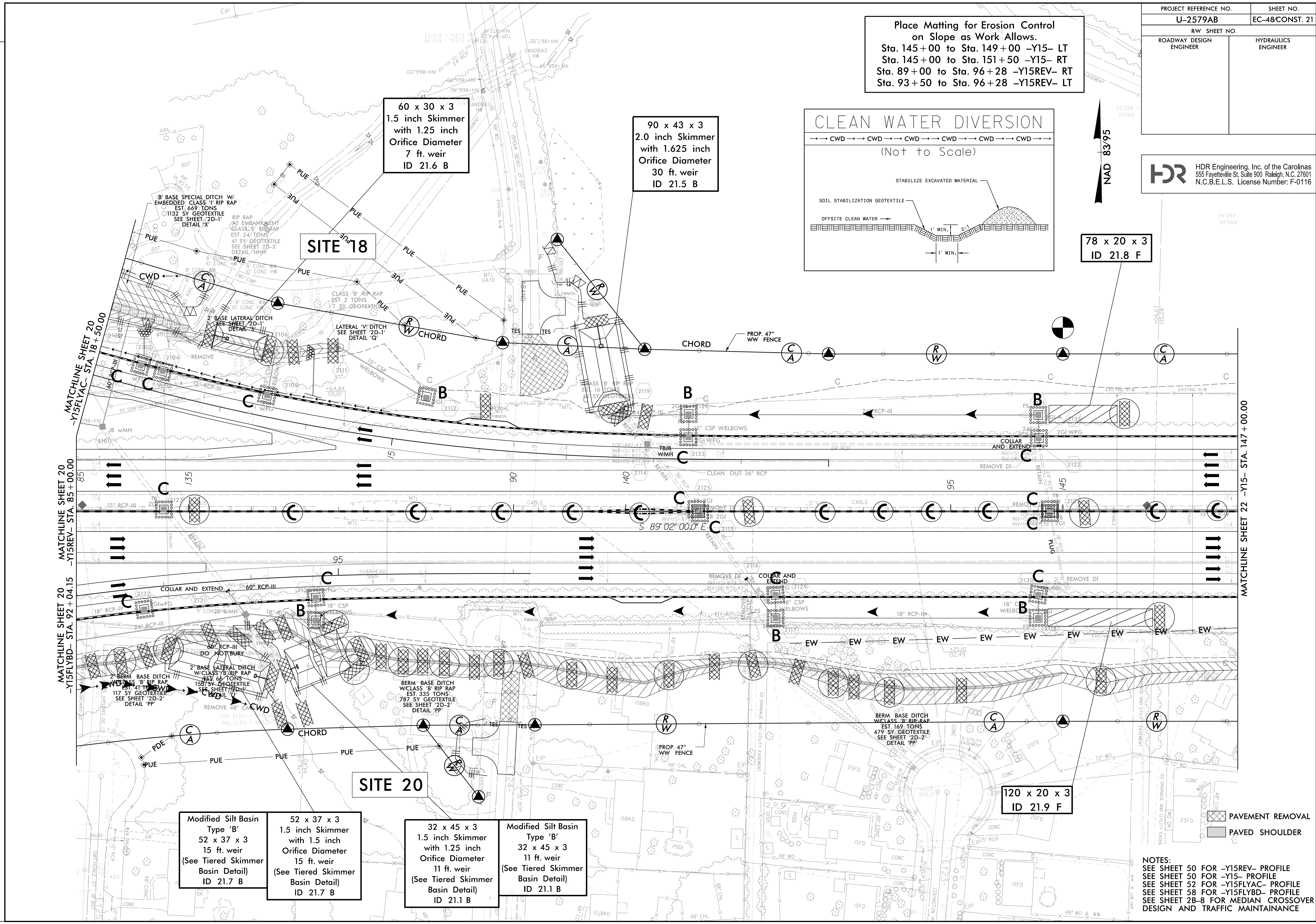
**HDR** HDR Engineering, Inc. of the Carolinas  
555 Fayetteville St. Suite 900 Raleigh, N.C. 27601  
N.C.B.E.L.S. License Number: F-0116

Place Matting for Erosion Control  
on Slope as Work Allows.  
Sta. 145+00 to Sta. 149+00 -Y15- LT  
Sta. 145+00 to Sta. 151+50 -Y15- RT  
Sta. 89+00 to Sta. 96+28 -Y15REV- RT  
Sta. 93+50 to Sta. 96+28 -Y15REV- LT



78 x 20 x 3  
ID 21.8 F

NAD 83/95



60 x 30 x 3  
1.5 inch Skimmer  
with 1.25 inch  
Orifice Diameter  
7 ft. weir  
ID 21.6 B

90 x 43 x 3  
2.0 inch Skimmer  
with 1.625 inch  
Orifice Diameter  
30 ft. weir  
ID 21.5 B

Modified Silt Basin  
Type 'B'  
52 x 37 x 3  
15 ft. weir  
(See Tiered Skimmer  
Basin Detail)  
ID 21.7 B

52 x 37 x 3  
1.5 inch Skimmer  
with 1.5 inch  
Orifice Diameter  
15 ft. weir  
(See Tiered Skimmer  
Basin Detail)  
ID 21.7 B

32 x 45 x 3  
1.5 inch Skimmer  
with 1.25 inch  
Orifice Diameter  
11 ft. weir  
(See Tiered Skimmer  
Basin Detail)  
ID 21.1 B

Modified Silt Basin  
Type 'B'  
32 x 45 x 3  
11 ft. weir  
(See Tiered Skimmer  
Basin Detail)  
ID 21.1 B

120 x 20 x 3  
ID 21.9 F

PAVEMENT REMOVAL  
PAVED SHOULDER

NOTES:  
SEE SHEET 50 FOR -Y15REV- PROFILE  
SEE SHEET 50 FOR -Y15- PROFILE  
SEE SHEET 52 FOR -Y15FLYAC- PROFILE  
SEE SHEET 58 FOR -Y15FLYBD- PROFILE  
SEE SHEET 28-8 FOR MEDIAN CROSSOVER  
DESIGN AND TRAFFIC MAINTAINANCE

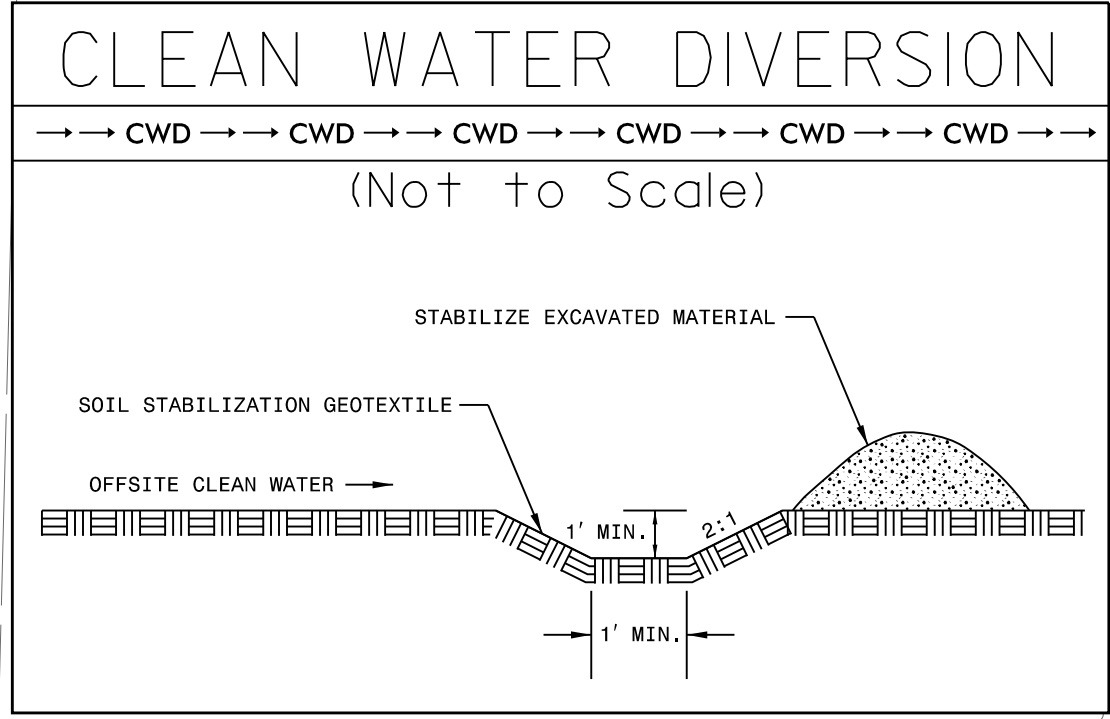
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PROJECT REFERENCE NO.	SHEET NO.
U-2579AB	EC-49/CONST. 22
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

**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

Place Matting for Erosion Control  
 on Slope as Work Allows.  
 Sta. 149+50 to Sta. 150+00 -Y15- LT  
 Sta. 155+50 to Sta. 156+00 -Y15- RT  
 Sta. 158+00 to Sta. 161+00 -Y15- RT



50 x 30 x 3  
 1.5 inch Skimmer  
 with 1.25 inch  
 Orifice Diameter  
 11 ft. weir  
 (See Tiered Skimmer  
 Basin Detail)  
 ID 22.1 B

Modified Silt Basin  
 Type 'B'  
 50 x 30 x 3  
 11 ft. weir  
 (See Tiered Skimmer  
 Basin Detail)  
 ID 22.1 B

**SITE 21**

**SITE 21**

52 x 26 x 3  
 1.5 inch Skimmer  
 with 1.0 inch  
 Orifice Diameter  
 5 ft. weir  
 ID 22.5 F

74 x 29 x 3  
 1.5 inch Skimmer  
 with 1.25 inch  
 Orifice Diameter  
 8 ft. weir  
 ID 22.3 B

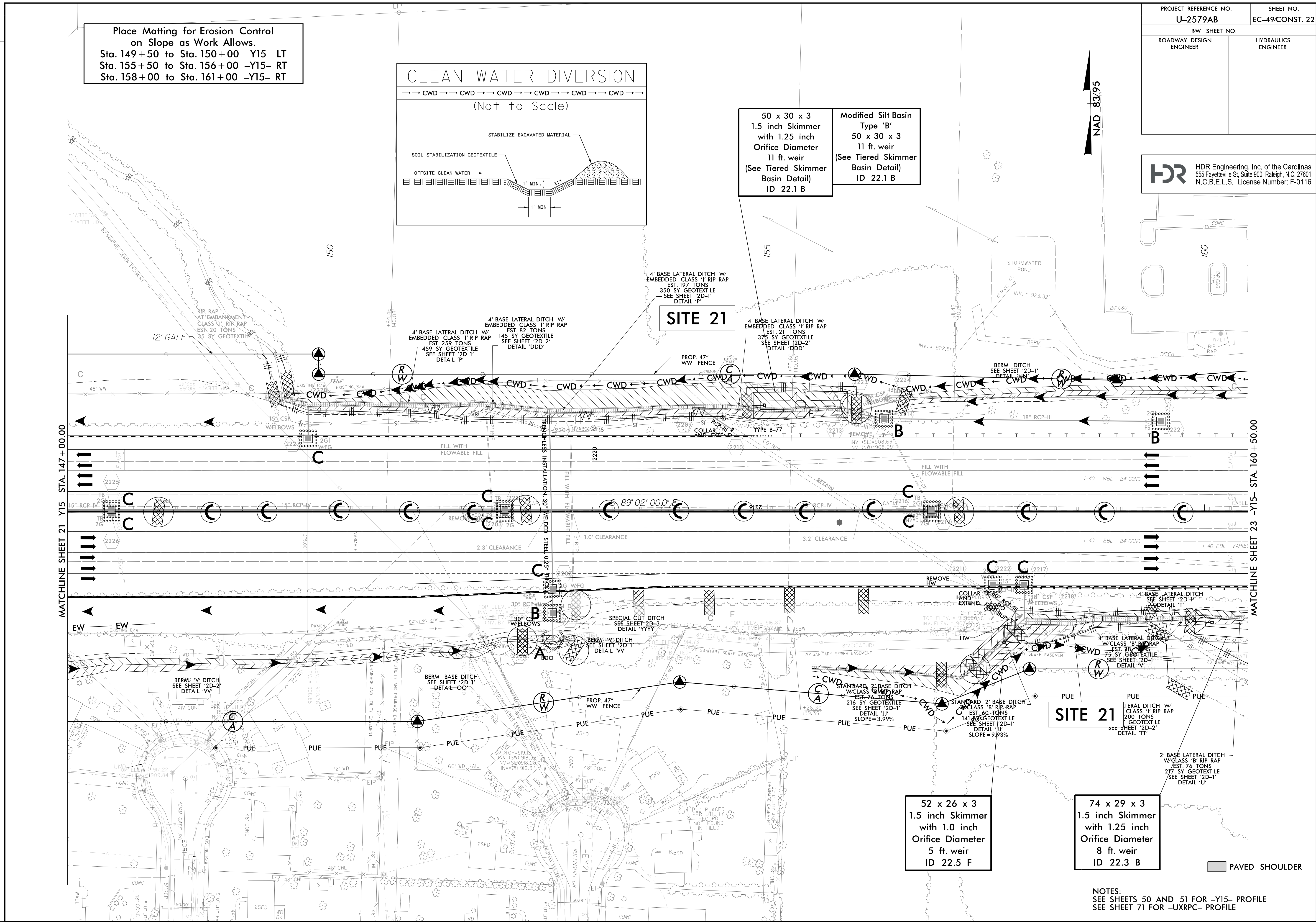
NOTES:  
 SEE SHEETS 50 AND 51 FOR -Y15- PROFILE  
 SEE SHEET 71 FOR -UXRPC- PROFILE

MATCHLINE SHEET 21 -Y15- STA. 147+00.00

MATCHLINE SHEET 23 -Y15- STA. 160+50.00

REVISIONS

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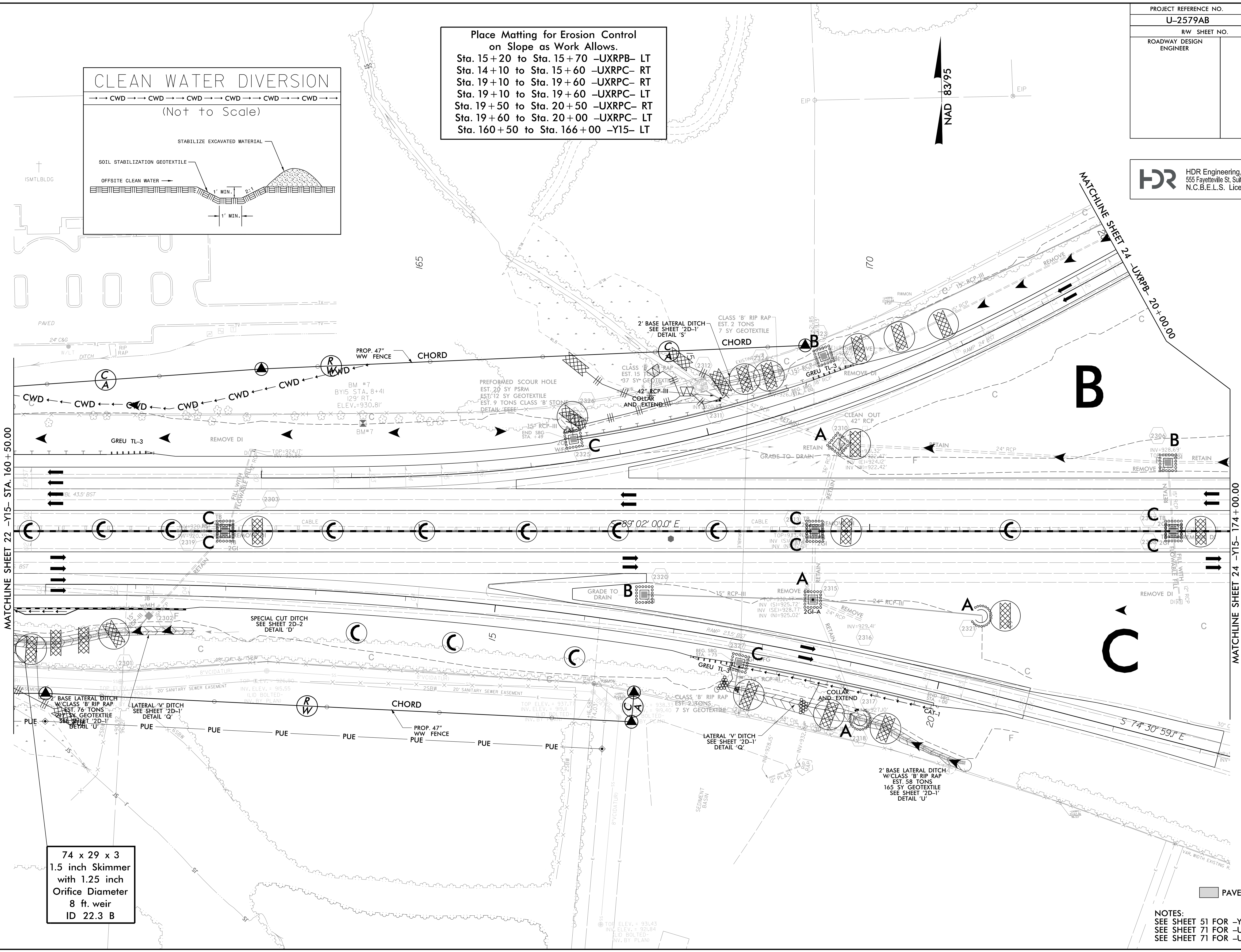
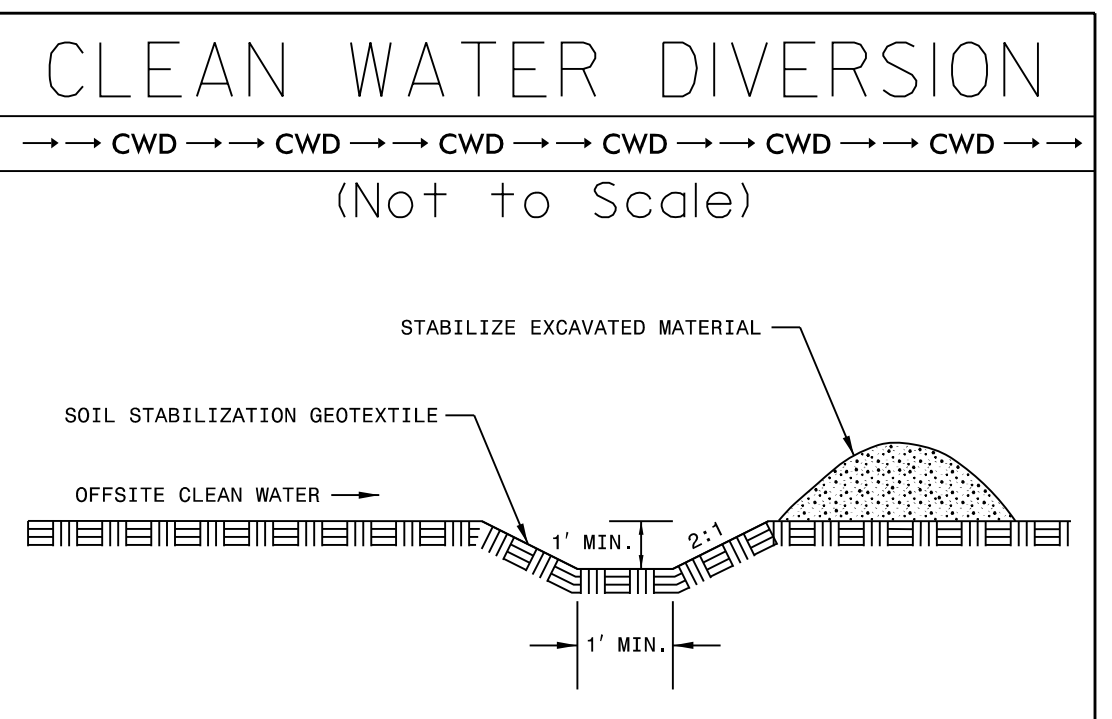
PAVED SHOULDER



PROJECT REFERENCE NO.	SHEET NO.
U-2579AB	EC-50CONST. 23
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

**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

Place Matting for Erosion Control on Slope as Work Allows.  
 Sta. 15+20 to Sta. 15+70 -UXRPB- LT  
 Sta. 14+10 to Sta. 15+60 -UXRPC- RT  
 Sta. 19+10 to Sta. 19+60 -UXRPC- RT  
 Sta. 19+10 to Sta. 19+60 -UXRPC- LT  
 Sta. 19+50 to Sta. 20+50 -UXRPC- RT  
 Sta. 19+60 to Sta. 20+00 -UXRPC- LT  
 Sta. 160+50 to Sta. 166+00 -Y15- LT



74 x 29 x 3  
 1.5 inch Skimmer  
 with 1.25 inch  
 Orifice Diameter  
 8 ft. weir  
 ID 22.3 B

NOTES:  
 SEE SHEET 51 FOR -Y15- PROFILE  
 SEE SHEET 71 FOR -UXRPB- PROFILE  
 SEE SHEET 71 FOR -UXRPC- PROFILE

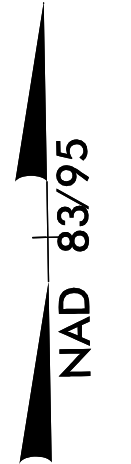
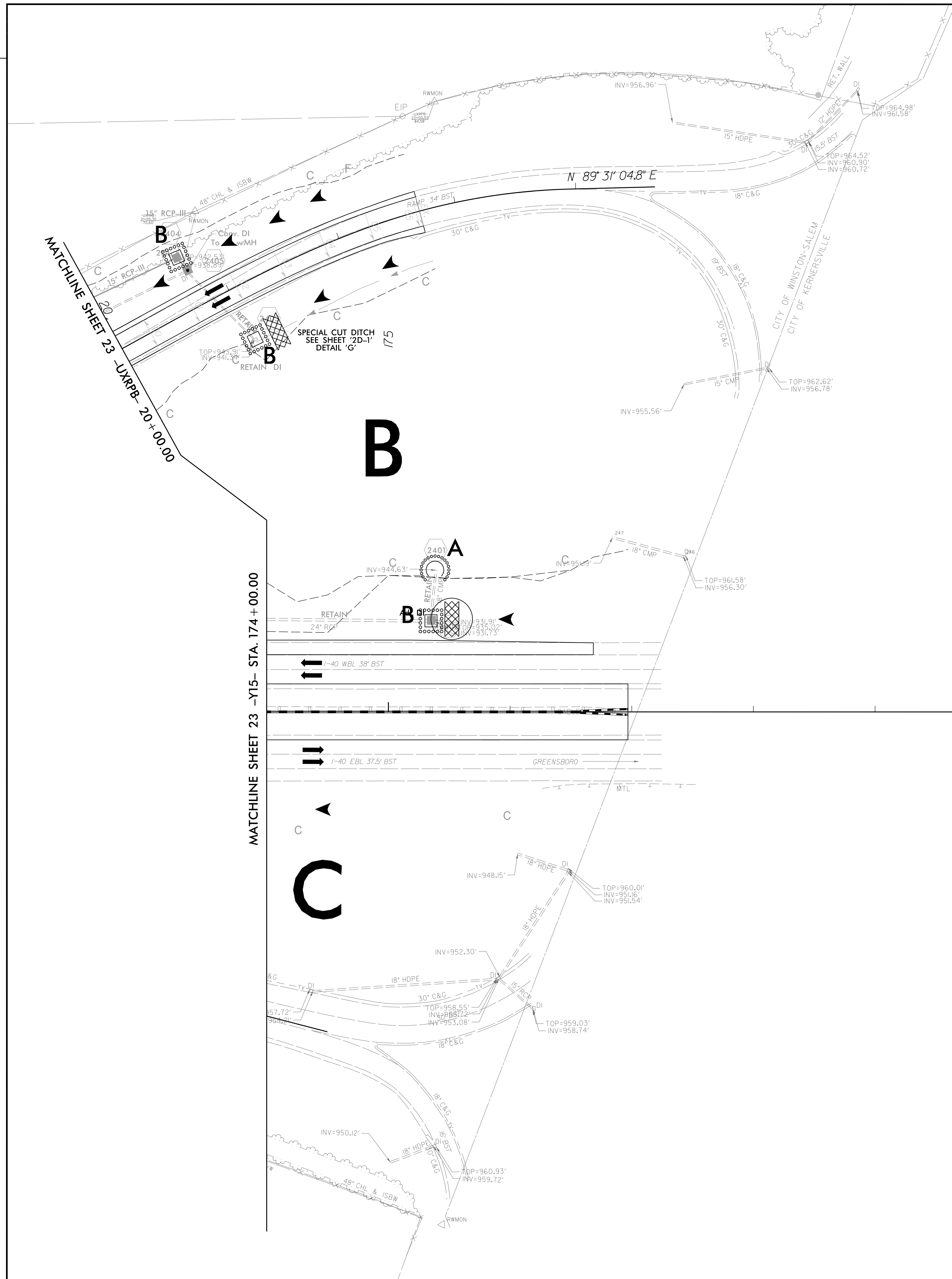
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 REVISIONS



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REVISIONS



PROJECT REFERENCE NO.	SHEET NO.
U-2579AB	EC-51/CONST. 24
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

**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

185

PAVED SHOULDER

NOTES:  
 SEE SHEET 51 FOR -Y15- PROFILE  
 SEE SHEET 71 FOR -UXRPB- PROFILE

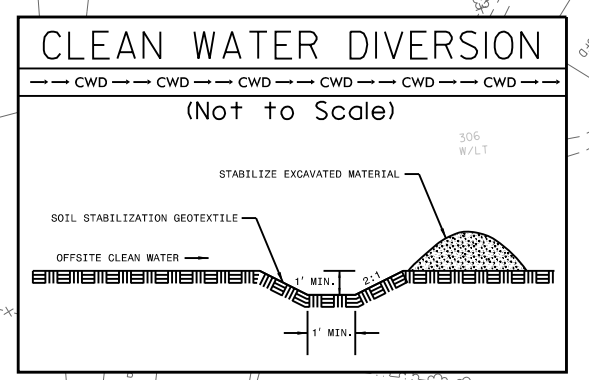
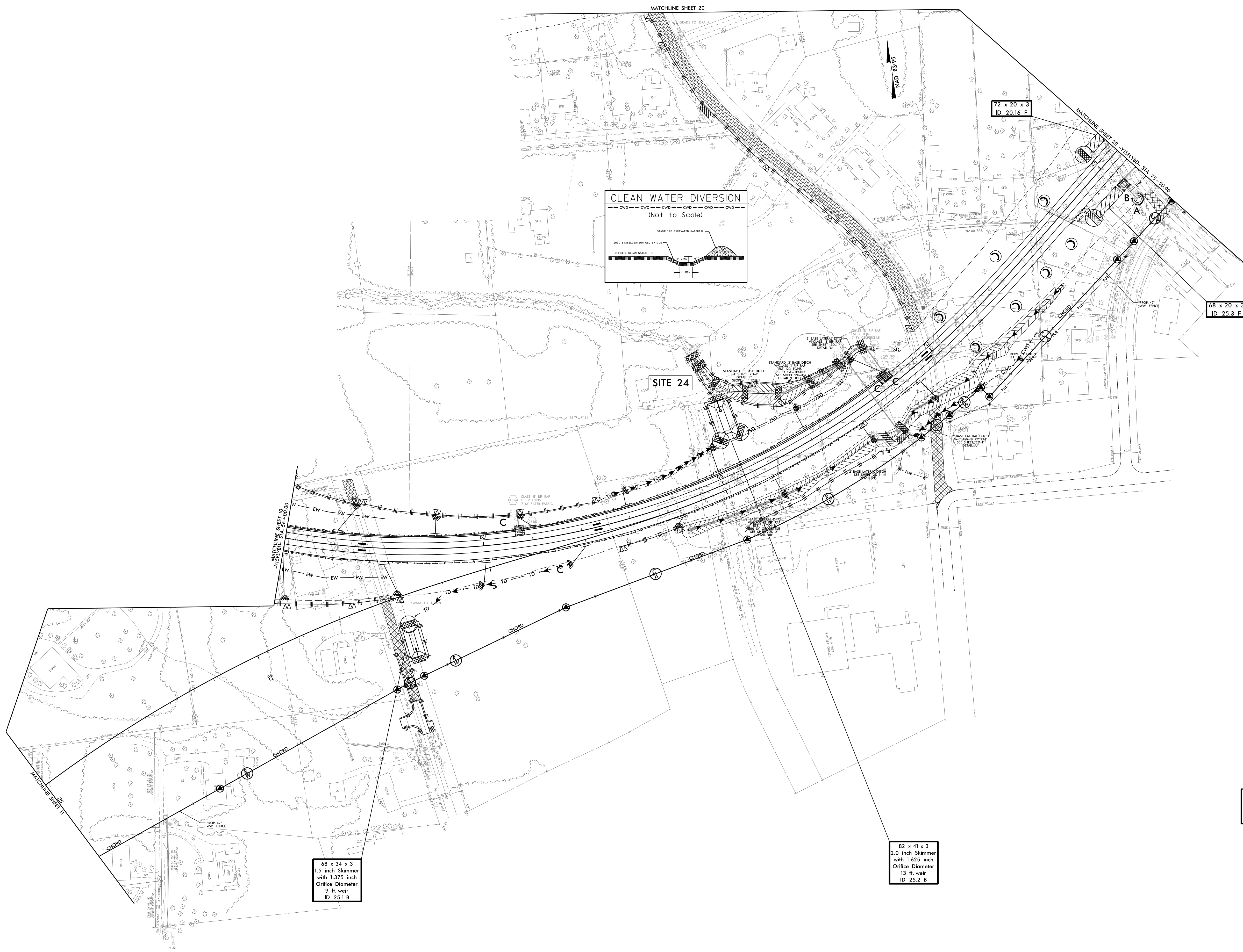


PROJECT REFERENCE NO.	SHEET NO.
U-2579AB	EC-52/CONST. 25
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

**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

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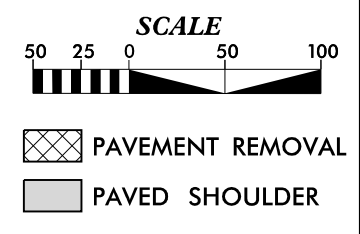
REVISIONS



48 x 34 x 3  
 1.5 inch Skimmer  
 with 1.375 inch  
 Orifice Diameter  
 9 ft. weir  
 ID 25.1 B

82 x 41 x 3  
 2.0 inch Skimmer  
 with 1.625 inch  
 Orifice Diameter  
 13 ft. weir  
 ID 25.2 B

Place Matting for Erosion Control  
 on Slope as Work Allows.  
 Sta. 52+00 to Sta. 63+00 -Y15FLYBD- RT  
 Sta. 52+00 to Sta. 69+00 -Y15FLYBD- LT  
 Sta. 64+50 to Sta. 69+00 -Y15FLYBD- RT

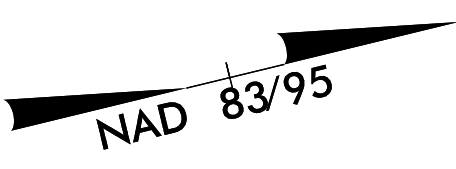


NOTES:  
 SEE SHEET 57 FOR -Y15FLYBD- PROFILE

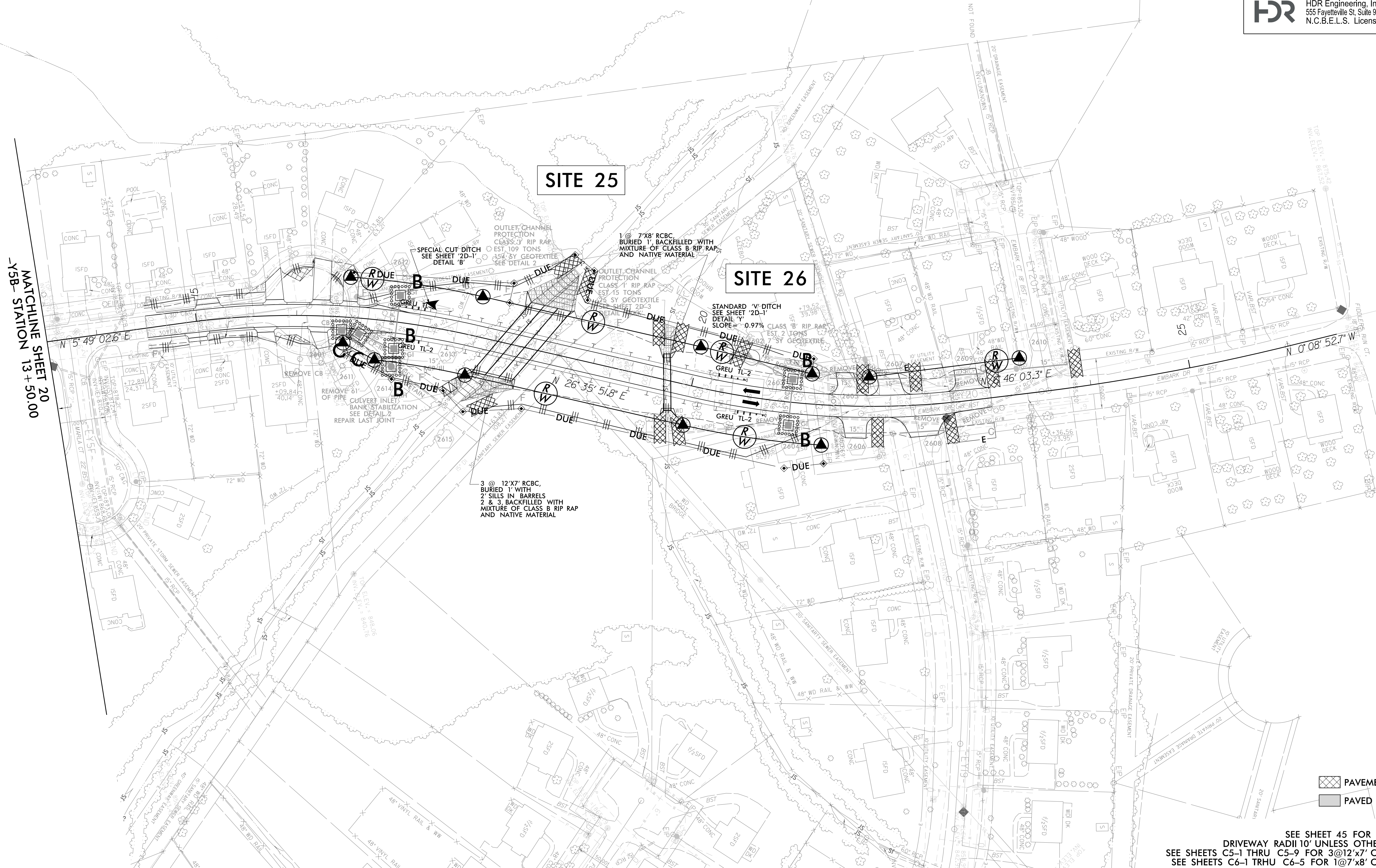


PROJECT REFERENCE NO.	SHEET NO.
U-2579AB	EC-53CONSTR. 26
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

**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



Place Matting for Erosion Control  
 on Slope as Work Allows.  
 Sta. 17+50 to Sta. 19+50 -Y5B- RT  
 Sta. 18+00 to Sta. 19+00 -Y5B- LT



MATCHLINE SHEET 20  
 -Y5B- STATION 13+50.00

SITE 25

SITE 26

PAVEMENT REMOVAL  
 PAVED SHOULDER

NOTES:  
 SEE SHEET 45 FOR -Y5B- PROFILE  
 DRIVEWAY RADII 10' UNLESS OTHERWISE NOTED  
 SEE SHEETS C5-1 THRU C5-9 FOR 3@12'x7' CULVERT PLANS  
 SEE SHEETS C6-1 THRU C6-5 FOR 1@7'x8' CULVERT PLANS

REVISIONS

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PROJECT REFERENCE NO.	SHEET NO.
U-2579AB	EC-54CONST. 27
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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 555 Fayetteville St. Suite 900 Raleigh, N.C. 27601  
 N.C.B.E.L.S. License Number: F-0116

REVISIONS

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NOTE: SEE SHEET 45 FOR -Y8- PROFILE