PROJECT REFERENCE NO.	SHEET NO.
U-4758	EC-32/CONST.08
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

FINAL GRADING
EROSION CONTROL FOR
CONSTRUCTION SHEET 08

Place Matting for Erosion Control
on Slope as Work Allows.
Sta. 60+35 to Sta. 65+05 –L– RT
Sta. 66+15 to Sta. 69+50 –L– RT

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

NAD 83/2011

BM5

MATCHLINE SEE SHEET 7
-L- STA 60+00

MATCHLINE SEE SHEET 9
-L- STA 73+00

CL B RIPRAP
TOE PROTECTION
58+50 TO 60+50
EST 92 TONS
EST 266 SY GFD
SEE DETAIL 8-2

SPEC LAT 2' BASE DITCH
w/CL B RIPRAP
61+50 TO 63+00
EST 99 TONS
EST 281 SY GFD
SEE DETAIL 8-4

TIE PROPOSED DITCH TO EXST. DITCH LINE

-DWAY2- POT Sta. 10+00.00
-L- POT Sta. 65+34.26

-DWAY2- PC Sta. 10+76.36

-DWAY2- PT Sta. 11+19.75

-L- PT Sta. 67+35.78

-L- Sta. 70+45.73 =
-Y3- POT Sta. 10+00.00

STD. V DITCH
69+50 TO 70+00
50 LF @ 0.6%
EST 50 CY DDE
SEE DETAIL 8-1

CL B RIPRAP
EST 3 TONS
EST 10 SY GFD

CL I RIPRAP
EST 7 TONS
EST 15 SY GFD

FOREBAY w/
CL B RIPRAP
2:1 SLOPES
EST 90 TONS
EST 200 SY GF
SEE DETAIL 8-3

STD BASE DITCH
w/CL B RIPRAP
30' @ 0.6%
DA 1.16 CFS
EST 16 CY DDE
EST 31 TONS
EST 80 SY GFD
SEE DETAIL 8-1

DO NOT DISTURB
BST ENTRANCE
GATES OR SIGN

END CONSTRUCTION
-Y3- Sta. 11+30.00

-Y3- POT Sta. 11+47.76

RETAIN 15" RCP
18" RCP-V
RETAIN 15" RCP
RETAIN CI
TIE TO EXISTING CURB AND GUTTER
REMOVE & REPLACE 18" RCP
REMOVE FES
REMOVE 18" RCP
REMOVE 18" RCP
5' MONOLITHIC CONC. ISLAND
60' LANE SHIFT
150' LANE TAPER
PROP. MULTI-USE PATH
PROP. CONC. SIDEWALK
HIGH POINT CITY LIMITS (IN)
HIGH POINT CITY LIMITS (OUT)
BALLFIELD
WOODS

19

CITY OF HIGH POINT
DB 5095 PG 107
PB 92 PG 76

20

MICHAEL E. O'BRIEN
PARALEE O'BRIEN
DB 3966 PG 1321
DB 4047 PG 319
DB 4870 PG 785
DB 6030 PG 2680
PB 108 PG 11
PB 114 PG 57

21

CITY OF HIGH POINT
DB 4506 PG 661
PB 108 PG 47
PB 92 PG 76

22

MILTON L. KIRKLAND
JANICE J. KIRKLAND
DB 5785 PG 177
DB 6131 PG 537
PB 154 PG 46

23

RASHEED ALNAGAR
DB 8691 PG 924
PB 154 PG 46

47 x 96 x 3
2.0 inch Skimmer
with 1.875 inch
Orifice Diameter
17 ft. weir
ID 8.1

66 x 33 x 3
1.5 inch Skimmer
with 1.25 inch
Orifice Diameter
8 ft. weir
ID 8.2

15 INCH
TEMPORARY
PIPE

DETAIL 8-1
STANDARD 'V' DITCH
(Not to Scale)
Natural Ground — 4:1 — D — 4:1 — Natural Ground
Min. D = 1.5 Ft.
FROM STA. 69+50 TO STA. 70+00 –L– LT

DETAIL 8-2
TOE PROTECTION
(Not to Scale)
Natural Ground — b — 2:1 or Flatter Fill Slope — d — Geotextile
d = 1.0 Ft.
b = 2.0 Ft.
Type of Liner = CL B Rip-Rap
FROM STA. 58+50 TO STA. 60+50 –L– LT

DETAIL 8-3
STANDARD BASE DITCH
(Not to Scale)
Natural Ground — 3:1 — D — 3:1 — Natural Ground — d — Geotextile — B
Min. D = 1.5' To 0.0'.
Max. d = 1.5'
B = Taper 2.0'. To 20'
*When B is < 6.0'
Type of Liner = Class B Rip-Rap
STA. 61+00 RT

DETAIL 8-4
SPECIAL LATERAL 2' BASE DITCH
(Not to Scale)
Natural Ground — 3:1 or Flatter — D — 4:1 or Flatter — Fill Slope — d — Geotextile — B
Min. D = 1.0 Ft.
Max. d = 1.0 Ft.
B = 2.0 Ft.
Type of Liner = Class B Rip-Rap
FROM STA. 61+50 TO STA. 63+00 –L– LT

PROJECT REFERENCE NO.	SHEET NO.
U-4758	EC-33/CONST.09
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

FINAL GRADING
EROSION CONTROL FOR
CONSTRUCTION SHEET 09

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

Place Matting for Erosion Control on Slope as Work Allows.
Sta. 74+30 to Sta. 78+90 -L- RT
Sta. 81+30 to Sta. 81+80 -L- RT

NAD 83/2011

MATCHLINE SEE SHEET 8 -L- STA 73+00

MATCHLINE SEE SHEET 10 -L- STA 85+00

-Y4- POT Sta. 10+00.00

BEGIN CONSTRUCTION -Y4- Sta. 11+49.00

-Y4- PC Sta. 11+83.34

SPEC LAT V DITCH 11+00 TO 12+00 SEE DETAIL 9-2

-Y4- POT Sta. 12+94.46=
-L- Sta. 82+23.89

-L- PC Sta. 79+73.23

-DWAY3- POT Sta. 10+00.00
-L- Sta. 79+14.67

-Y4- PT Sta. 12+62.20
N 88° 10' 33.2" E

N 5° 52' 35.0" E

S 84° 07' 25.0" E

-DWAY3- PT Sta. 10+62.68

N 79° 32' 37.9" E

-DWAY3- PC Sta. 11+31.38

-DWAY3- PC Sta. 10+55.56

-DWAY4- POT Sta. 10+00.00
-L- Sta. 82+02.26

N 88° 35' 10.8" E

-DWAY3- PT Sta. 11+60.46

-DWAY4- PC Sta. 10+69.66

-DWAY4- PT Sta. 11+01.67

-DWAY5- POT Sta. 10+00.00
-L- Sta. 83+06.40

N 85° 16' 16.8" E

-DWAY5- PC Sta. 10+50.06

-DWAY5- PT Sta. 10+61.64

S 61° 33' 25.7" E

-DWAY5- POT Sta. 11+07.95

25-YR HW'D = 0.6 (SEE DRN.CALCS)

150' LANE TAPER

RETAIN 15" RCP

PROP. MULTI-USE PATH

5' MONOLITHIC CONC. ISLAND

PROP. CONC. SIDEWALK

60' LANE SHIFT

REMOVE 15" RCP

REMOVE 18" RCP-IV

REMOVE 15" RCP & INSTALL 18" RCP-IV

CL I RIPRAP
EST 7 TONS
EST 15 SY GFD

CL B RIPRAP
EST 3 TONS
EST 10 SY GFD
STD 4' BASE DITCH 79+70 TO 79+95
45 LF @ 1.6%
EST 27 CY DDE
SEE DETAIL 9-1

TIE PROPOSED DITCH TO EXIST. DITCHLINE

SPEC LAT V DITCH 11+00 TO 12+00 SEE DETAIL 9-2

EXISTING SEPTIC LINES/TANK

38 x 78 x 3
1.5 inch Skimmer
with 1.5 inch
Orifice Diameter
11 ft. weir
ID 9.1

21 CITY OF HIGH POINT DB 4506 PG 661 PB 108 PG 47 PB 92 PG 76

184 AMY L. RUSH KENNETH A. RUSH DB 7944 PG 1004 PB 92 PG 76

28 DAVID L. HOOKER DB 8632 PG 1647 PB 73 PG 197

STEVEN G. PACE LYNN R. PACE DB 3675 PG 129 PB 73 PG 197

REBECCA W. HENDERSON DB 3557 PG 1752 PB 73 PG 197

WILLIAM G. SHELTON, JR. LINDA G. SHELTON DB 3687 PG 697 PB 73 PG 197

MARK L. MORGAN JULIE O. MORGAN DB 7734 PG 447 PB 73 PG 197

NOTE: WOODEN FENCE NEEDS TO BE SURVEYED IN

LINDA M. GOLDEN DB 8488 PG 2758 PB 73 PG 197

24 GARNET D. IDOL BETTY K. IDOL DB 3711 PG 752 PB 92 PG 75

25 ALEXANDER ALLEY LARRY M. ALLEY PHYLLIS A. GRIFFITH DB 8026 PG 1902 PB 92 PG 75

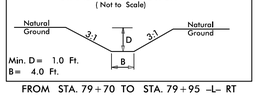
26 JOHN WILLIAM ALLEY DB 3312 PG 690 PB 73 PG 32

27 ROBERT C. LOPEZ KODY E. LOPEZ DB 8479 PG 2664 PB 76 PG 17

29

30 ABDULLAH M. ALSHANTEER HANADI G. ALSHANTEER DB 8683 PG 590 PB 76 PG 17

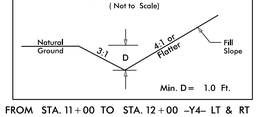
DETAIL 9-1
STANDARD BASE DITCH
(Not to Scale)



Min. D = 1.0 Ft.
B = 4.0 Ft.

FROM STA. 79+70 TO STA. 79+95 -L- RT

DETAIL 9-2
SPECIAL LATERAL 'V' DITCH
(Not to Scale)



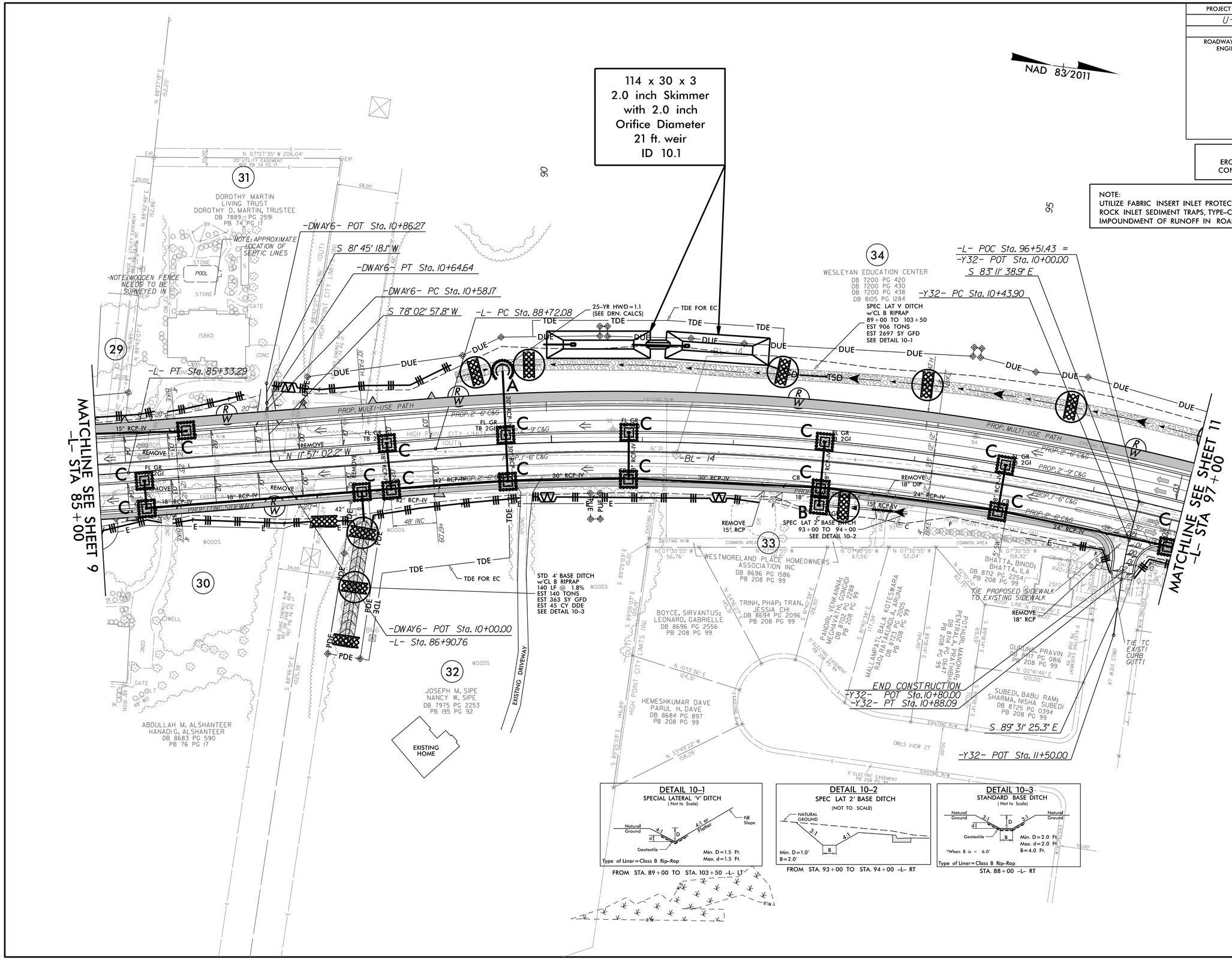
Min. D = 1.0 Ft.

FROM STA. 11+00 TO STA. 12+00 -Y4- LT & RT

PROJECT REFERENCE NO.	SHEET NO.
U-4758	EC-34/CONST.10
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

FINAL GRADING
EROSION CONTROL FOR
CONSTRUCTION SHEET 10

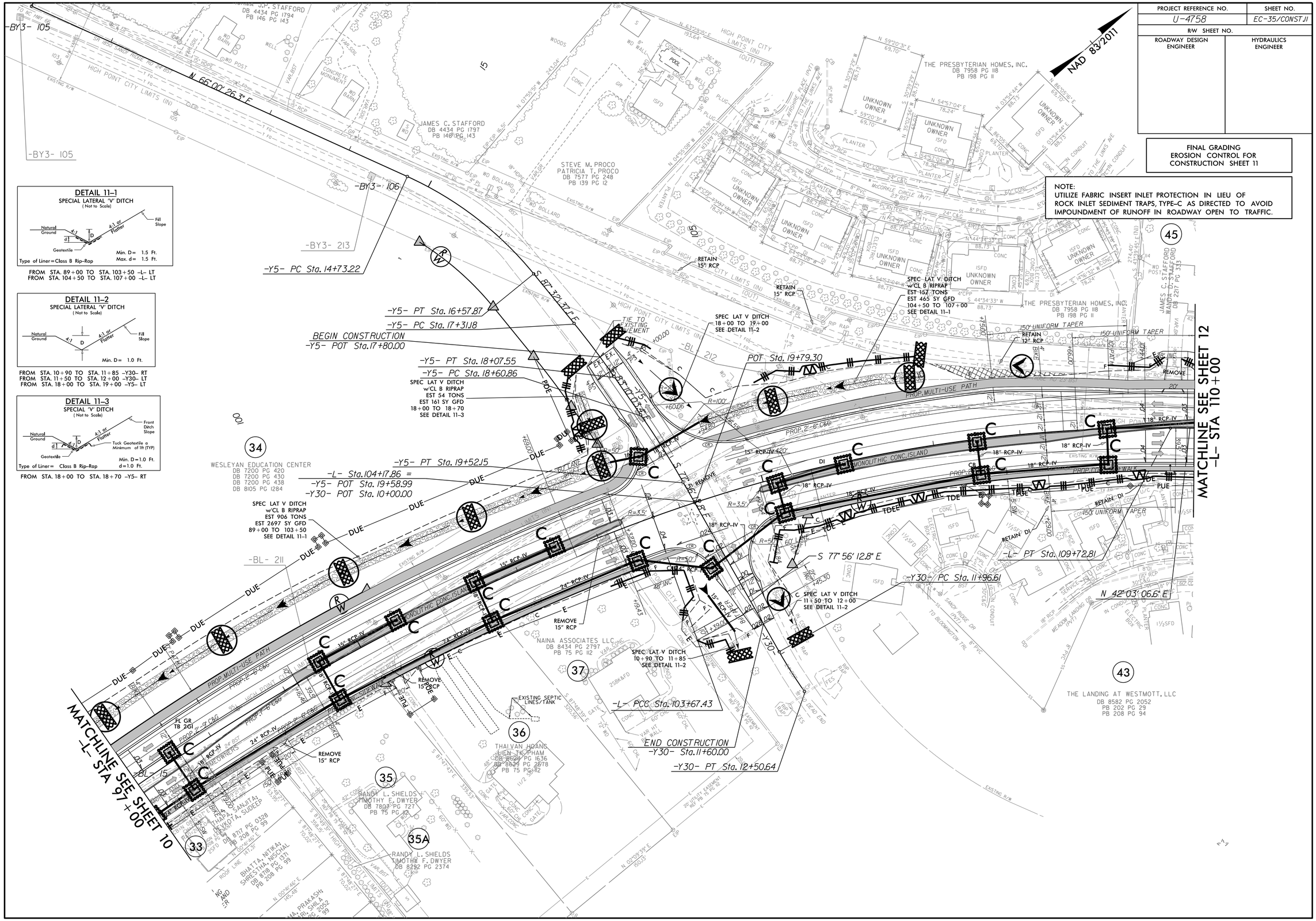
NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION IN LIEU OF ROCK INLET SEDIMENT TRAPS, TYPE-C AS DIRECTED TO AVOID IMPOUNDMENT OF RUNOFF IN ROADWAY OPEN TO TRAFFIC.



PROJECT REFERENCE NO.	SHEET NO.
U-4758	EC-35/CONSTJI
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

FINAL GRADING
EROSION CONTROL FOR
CONSTRUCTION SHEET 11

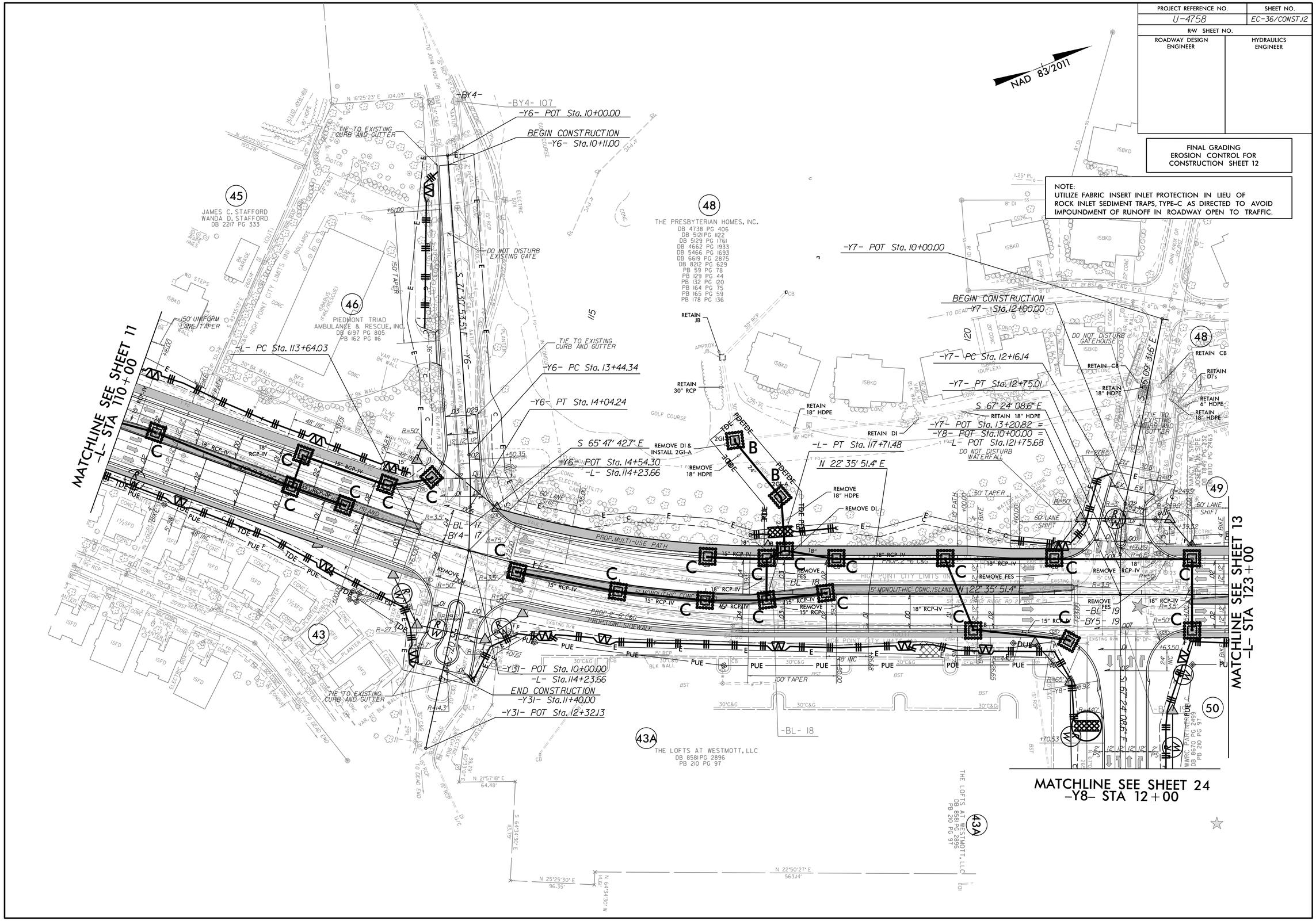
NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION IN LIEU OF ROCK INLET SEDIMENT TRAPS, TYPE-C AS DIRECTED TO AVOID IMPOUNDMENT OF RUNOFF IN ROADWAY OPEN TO TRAFFIC.



PROJECT REFERENCE NO.	SHEET NO.
U-4758	EC-36/CONST12
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

FINAL GRADING
EROSION CONTROL FOR
CONSTRUCTION SHEET 12

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

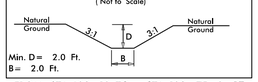


PROJECT REFERENCE NO.	SHEET NO.
U-4758	EC-37/CONST13
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

FINAL GRADING
EROSION CONTROL FOR
CONSTRUCTION SHEET 13

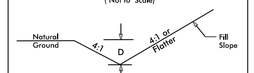
NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION IN LIEU OF ROCK INLET SEDIMENT TRAPS, TYPE-C AS DIRECTED TO AVOID IMPOUNDMENT OF RUNOFF IN ROADWAY OPEN TO TRAFFIC.

DETAIL 13-1
STANDARD 2' BASE DITCH
(Not to Scale)



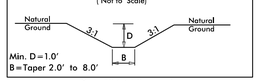
Min. D= 2.0 Ft.
B= 2.0 Ft.
FROM STA. 128+10 TO STA. 128+75 -L- RT

DETAIL 13-2
SPECIAL LATERAL 'V' DITCH
(Not to Scale)



Min. D= 1.0 Ft.
FROM STA. 11+00 TO STA. 14+50 -Y26- LT
FROM STA. 11+50 TO STA. 14+50 -Y26- RT

DETAIL 13-3
STANDARD BASE DITCH
(Not to Scale)



Min. D=1.0'
B=Taper 2.0' to 8.0'
STA. 134+50 -L- RT

60 x 30 x 3
1.5 inch Skimmer
with 1.5 inch
Orifice Diameter
21 ft. weir
ID 13.1

-L- PC Sta. 128+46.62
-L- PT Sta. 129+89.20
-Y26- PCC Sta. 15+21.6
-Y26- PCC Sta. 14+70.00
END CONSTRUCTION

MATCHLINE SEE SHEET 12
-L- STA 123+00

MATCHLINE SEE SHEET 14
-L- STA 136+00

MATCHLINE SEE SHEET 24
-Y26- STA 14+00

NAD 83/2011

TDD-2 PUBE DITCH
128+10 TO 128+75
80 LF @ 0.4%
EST 18 CY DDE
SEE DETAIL 13-1

TIE PROPOSED DITCH TO EX. DITCH LINE

TDE FOR EC

RETAIN 18" RCP

SPEC LAT V DITCH
11+00 TO 14+50
SEE DETAIL 13-2

SPEC LAT V DITCH
11+50 TO 14+50 SEE DETAIL 13-2

CL I RIPRAP
EST 11 TONS
EST 22 SY GFD

CL B RIPRAP
EST 2 TONS
EST 7 SY GFD

STD BASE DITCH
50 LF @ 1.6%
TIE TO EXISTING
EST 15 CY DDE
SEE DETAIL 13-3

RETAIN 15" HDPE

RETAIN DI

TOP=932.6'
INV IN/OUT
=925.1'

RETAIN 15" HDPE

RETAIN CB

TIE TO EXISTING CURB AND GUTTER

50' PATH SHIFT R=10.35'

TOP=931.1'
INV IN/OUT=925.7'

RETAIN 39 LF OF 15" RCP

REMOVE 18 LF OF 15" RCP

TOP=929.7'
INV IN/OUT=926.6'

REMOVE CB

TOP=916.78
INV=915.54

INV=914.57

INV=914.38

INV=912.53

THE PRESBYTERIAN HOMES, INC.
DB 4738 PG 406
DB 5121 PG 1122
DB 5129 PG 1761
DB 4662 PG 1933
DB 5466 PG 1693
DB 6619 PG 2875
DB 8212 PG 629
PB 59 PG 78
PB 129 PG 44
PB 132 PG 120
PB 164 PG 75
PB 165 PG 59
PB 178 PG 136

NANCY W. SIPE
JOSEPH M. SIPE
DB 7849 PG 232
DB 8170 PG 2463

THE PRESBYTERIAN HOMES, INC.
DB 4815 PG 965

SADDLE BROOK HOA, INC.
DB 7373 PG 1403
PB 167 PG 59

THE PRESBYTERIAN HOMES, INC.
DB 5466 PG 1693
PB 195 PG 125

WWRC PARTNERS LLC
DB 8670 PG 2499
PB 210 PG 97

ROGER C. ALVAREZ MONSALVE
FATIMA C. TAURELIUI VIDALOD
DB 7334 PG 2225
PB 129 PG 103

DIANA DE JESUS GARCIA JASSO
DB 7805 PG 2721
PB 191 PG 90

CYNTHIA M. BOLEJACK
DB 4783 PG 1138

CARYSSA PEREZ
DB 8687 PG 2400
PB 116 PG 52
PB 131 PG 132
FORMERLY
JEFFERSON W. CARTER
MELISSA L. CARTER
DB 7605 PG 991
PB 116 PG 52
PB 131 PG 132

KATHY S. FLYNT
DB 2367 PG 285
PB 129 PG 103

LADONNA M. DEAN
DB 2950 PG 534
PB 101 PG 108

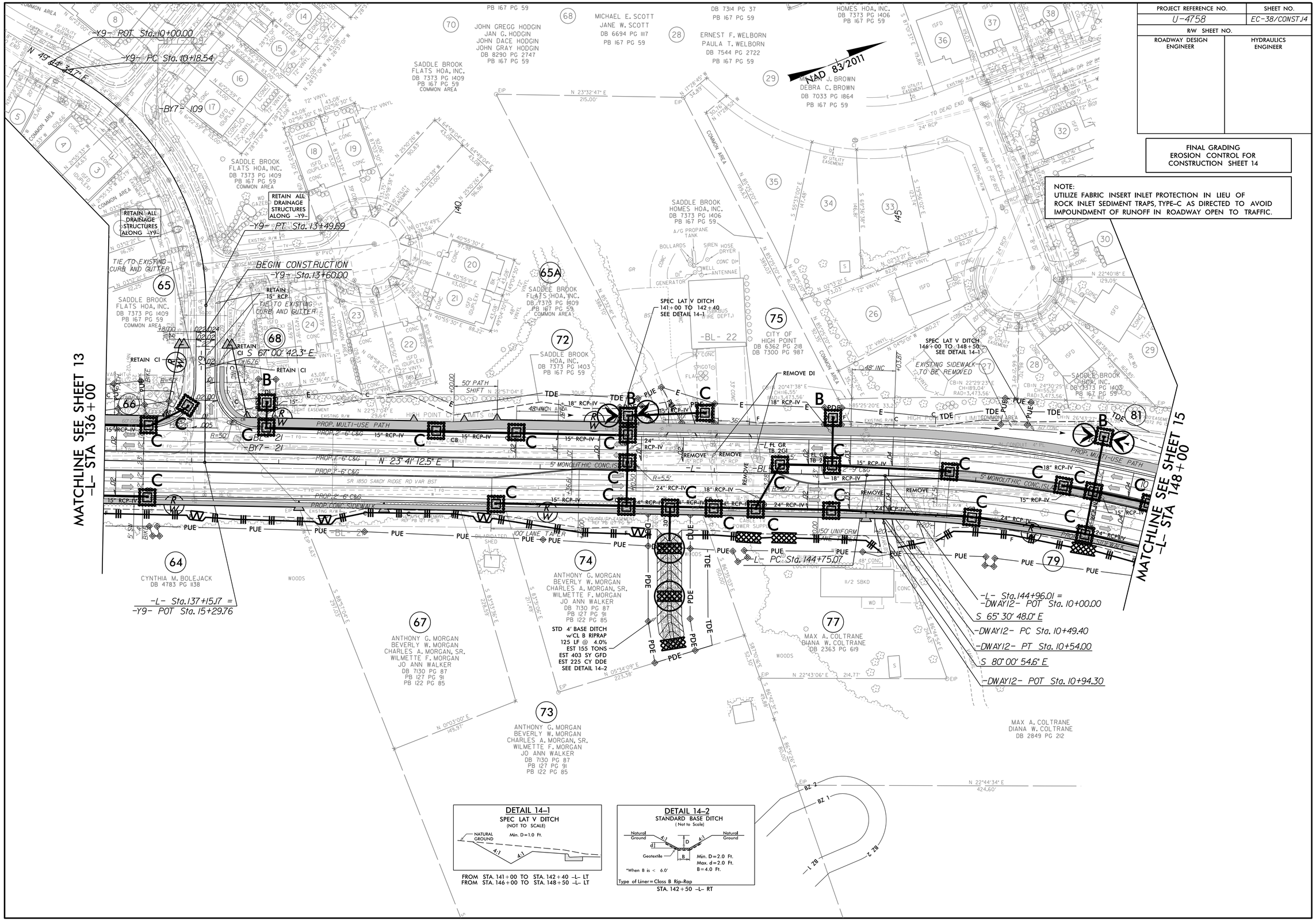
LADONNA M. DEAN
DB 2850 PG 534
PB 101 PG 108

KATHY S. FLYNT
DB 2367 PG 285
PB 129 PG 103

PROJECT REFERENCE NO.	SHEET NO.
U-4758	EC-38/CONST14
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

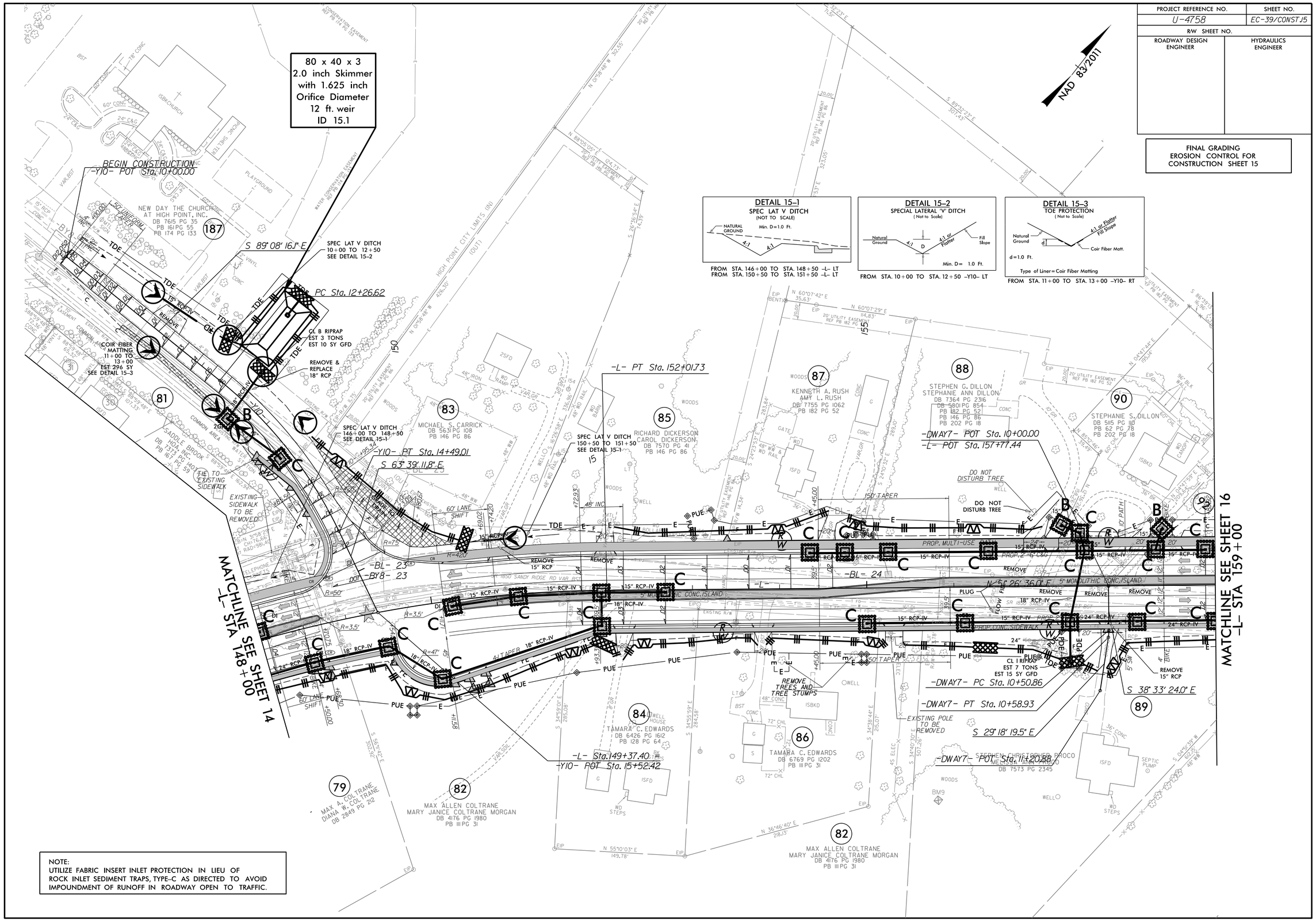
FINAL GRADING
EROSION CONTROL FOR
CONSTRUCTION SHEET 14

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



PROJECT REFERENCE NO.	SHEET NO.
U-4758	EC-39/CONST.J5
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

FINAL GRADING
EROSION CONTROL FOR
CONSTRUCTION SHEET 15



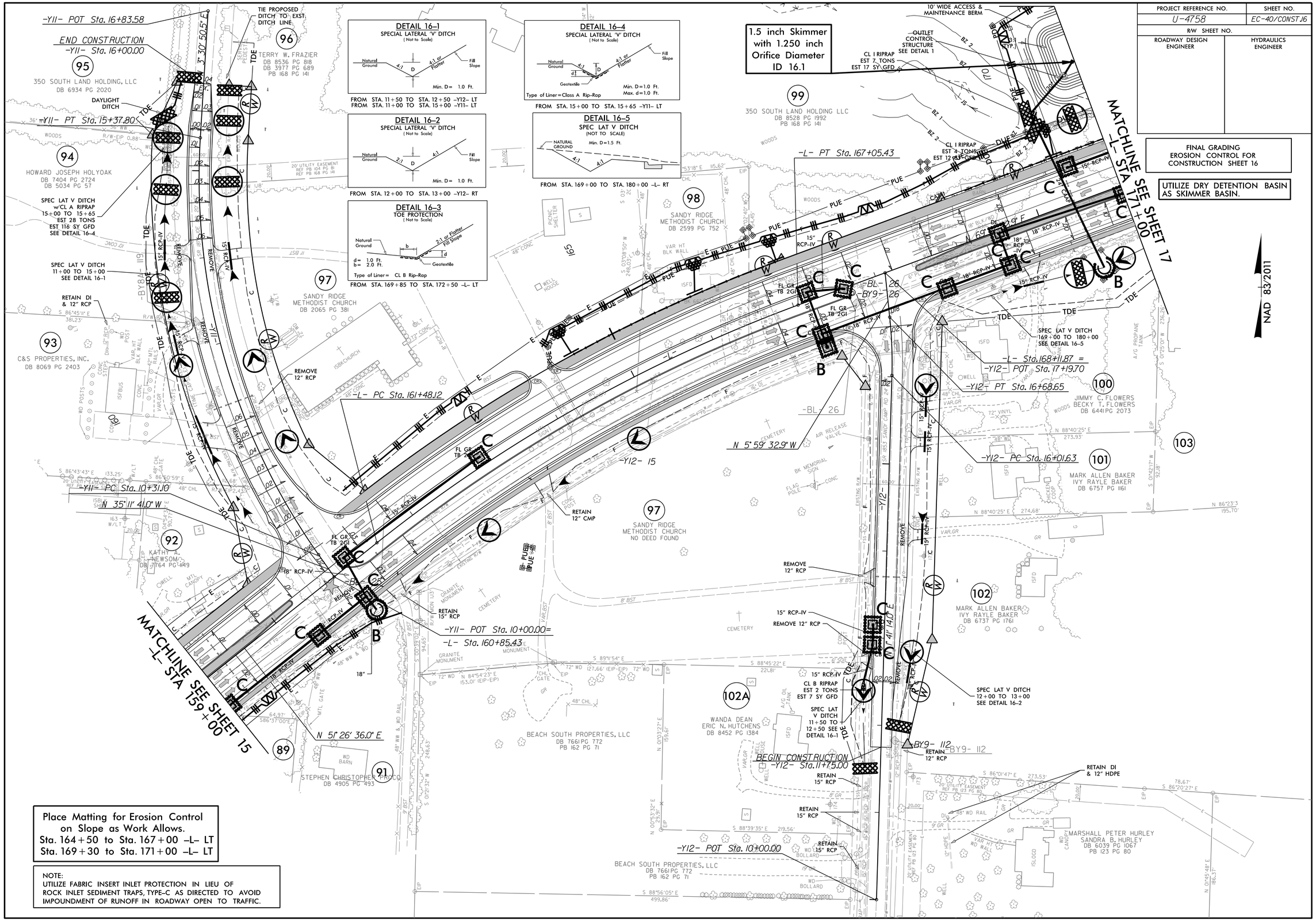
NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION IN LIEU OF ROCK INLET SEDIMENT TRAPS, TYPE-C AS DIRECTED TO AVOID IMPOUNDMENT OF RUNOFF IN ROADWAY OPEN TO TRAFFIC.

PROJECT REFERENCE NO.	SHEET NO.
U-4758	EC-40/CONST.16
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

FINAL GRADING
EROSION CONTROL FOR
CONSTRUCTION SHEET 16

UTILIZE DRY DETENTION BASIN
AS SKIMMER BASIN.

NAD 83/2011



Place Matting for Erosion Control
on Slope as Work Allows.
Sta. 164+50 to Sta. 167+00 -L- LT
Sta. 169+30 to Sta. 171+00 -L- LT

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

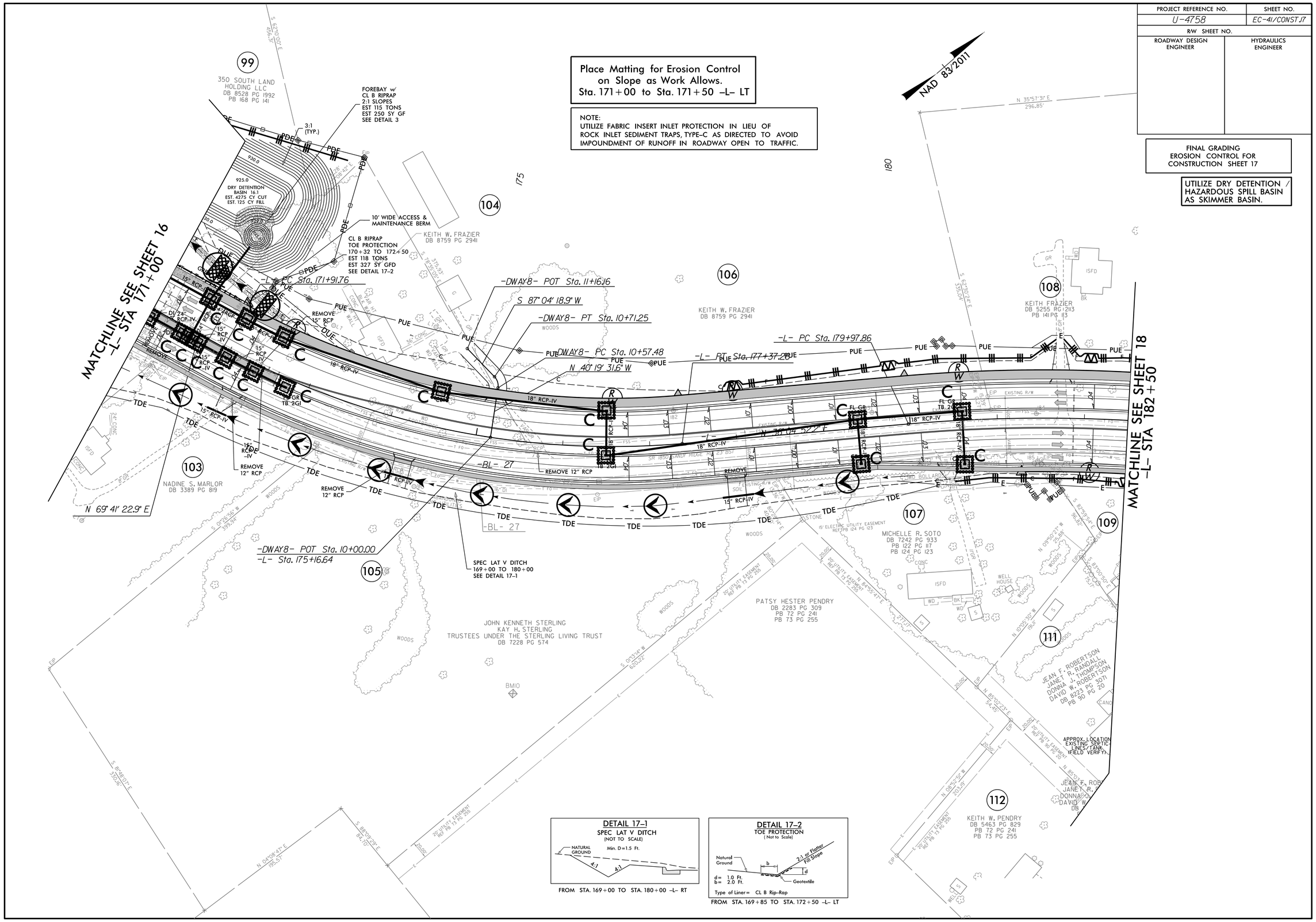
PROJECT REFERENCE NO.	SHEET NO.
U-4758	EC-41/CONST J7
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

FINAL GRADING
EROSION CONTROL FOR
CONSTRUCTION SHEET 17

UTILIZE DRY DETENTION / HAZARDOUS SPILL BASIN AS SKIMMER BASIN.

Place Matting for Erosion Control on Slope as Work Allows. Sta. 171+00 to Sta. 171+50 -L- LT

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

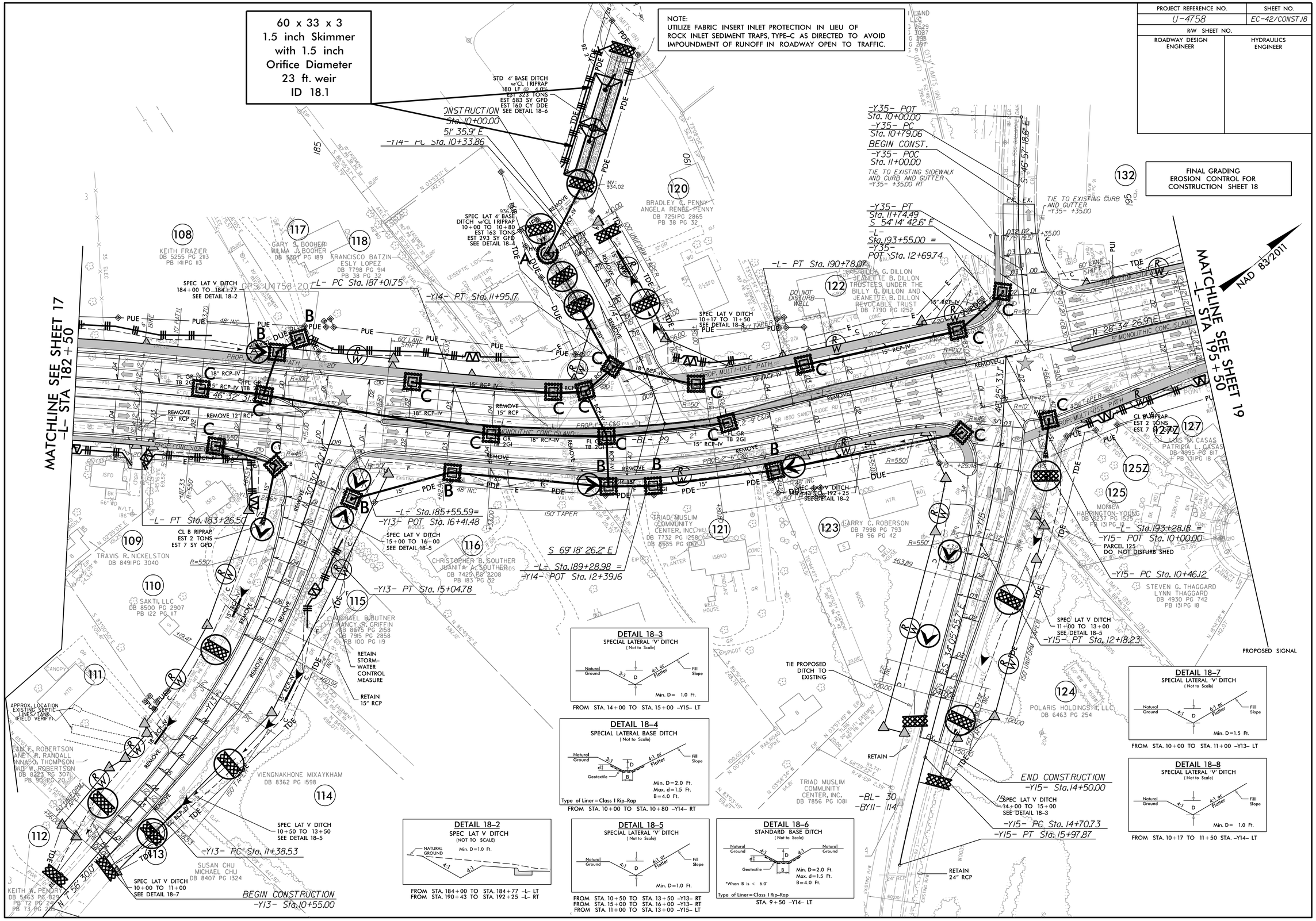


PROJECT REFERENCE NO.	SHEET NO.
U-4758	EC-42/CONST.18
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

60 x 33 x 3
1.5 inch Skimmer
with 1.5 inch
Orifice Diameter
23 ft. weir
ID 18.1

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

FINAL GRADING
EROSION CONTROL FOR
CONSTRUCTION SHEET 18

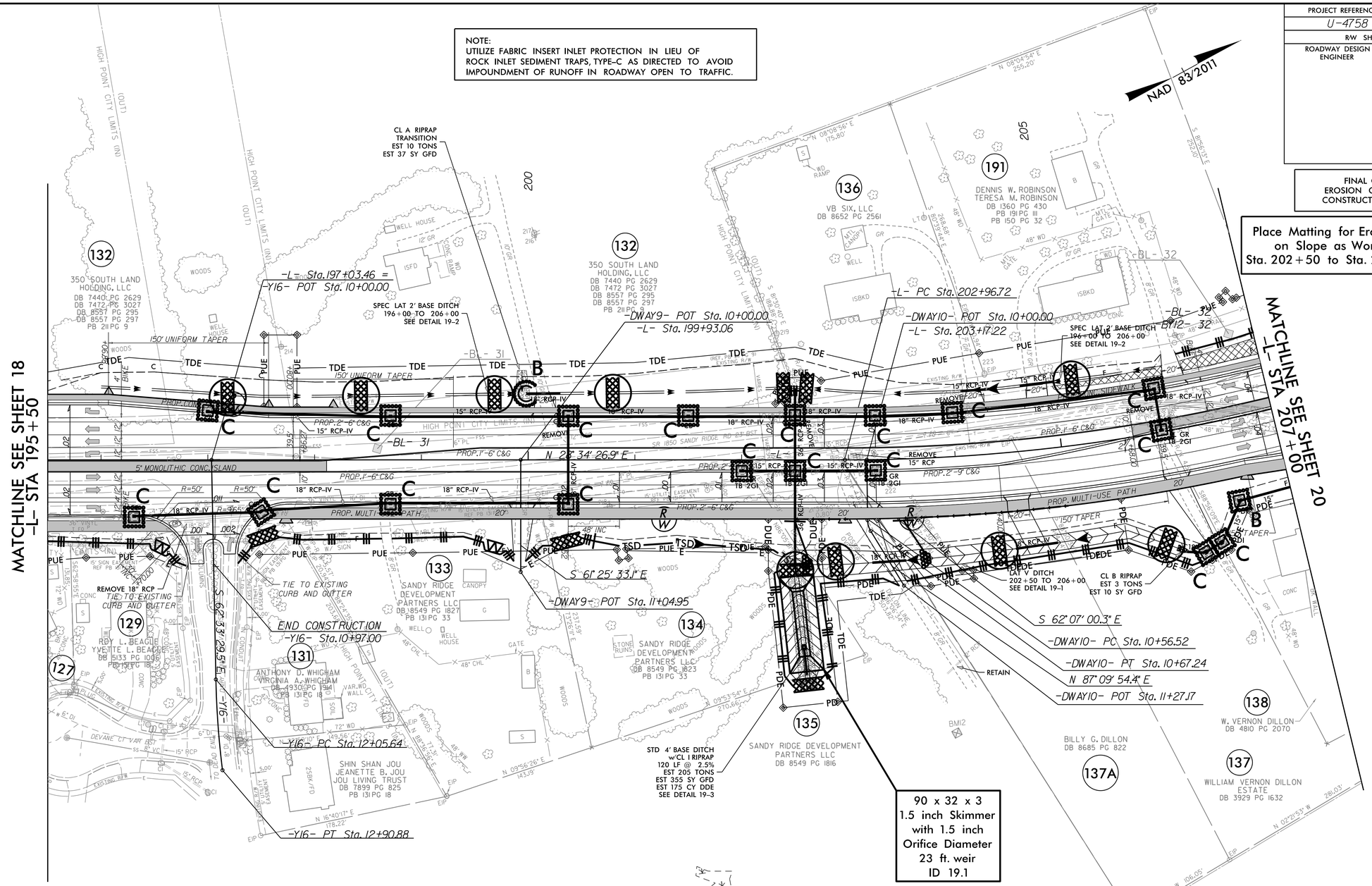


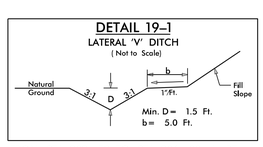
PROJECT REFERENCE NO.	SHEET NO.
U-4758	EC-43/CONSTJ9
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

FINAL GRADING
EROSION CONTROL FOR
CONSTRUCTION SHEET 19

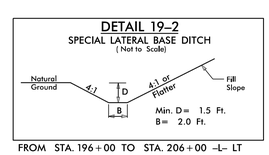
NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION IN LIEU OF ROCK INLET SEDIMENT TRAPS, TYPE-C AS DIRECTED TO AVOID IMPOUNDMENT OF RUNOFF IN ROADWAY OPEN TO TRAFFIC.

Place Matting for Erosion Control on Slope as Work Allows.
Sta. 202+50 to Sta. 205+00 -L- RT

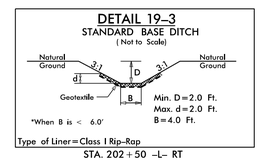




FROM STA. 202+50 TO STA. 206+00 -L- RT



FROM STA. 196+00 TO STA. 206+00 -L- LT

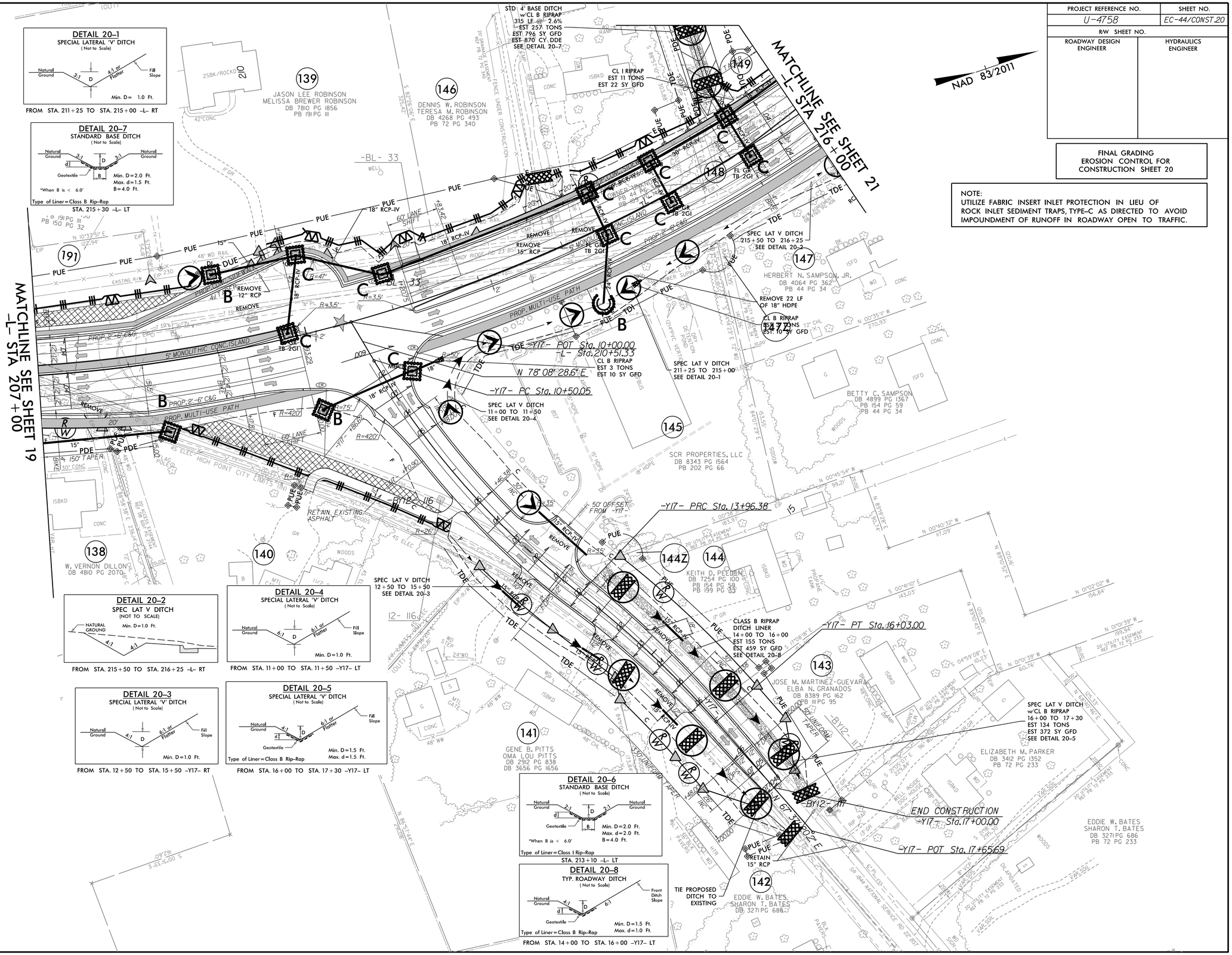


STA. 202+50 -L- RT

PROJECT REFERENCE NO.	SHEET NO.
U-4758	EC-44/CONST.20
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

FINAL GRADING
EROSION CONTROL FOR
CONSTRUCTION SHEET 20

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



PROJECT REFERENCE NO.	SHEET NO.
U-4758	EC-45/CONST.21
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

FINAL GRADING
EROSION CONTROL FOR
CONSTRUCTION SHEET 21

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

NAD 83/2011

DETAIL 21-4
SPECIAL LATERAL 'V' DITCH
(Not to Scale)
Natural Ground, 4:1, D, d, 4:1 or Flatter, Fill Slope, Geotextile
Min. D=1.5 Ft.
Max. d=1.5 Ft.
Type of Liner=Class B Rip-Rap
FROM STA. 10+85 TO STA. 12+00 -Y18- LT

DETAIL 21-6
SPECIAL LATERAL 'V' DITCH
(Not to Scale)
Natural Ground, 4:1, D, 4:1 or Flatter, Fill Slope
Min. D= 1.0 Ft.
FROM STA. 10+65 TO STA. 12+00 -Y18- RT

DETAIL 21-1
SPEC LAT V DITCH
(NOT TO SCALE)
NATURAL GROUND, 4:1, 4:1
Min. D=1.0 Ft.
FROM STA. 215+50 TO STA. 216+25 -L- RT

DETAIL 21-5
SPECIAL LATERAL 'V' DITCH
(Not to Scale)
Natural Ground, 4:1, D, 4:1 or Flatter, Fill Slope
Min. D= 1.0 Ft.
FROM STA. 11+00 TO STA. 13+00 -Y20- LT

DETAIL 21-7
SPEC LAT V DITCH
(NOT TO SCALE)
NATURAL GROUND, 4:1, 4:1
Min. D=1.5 Ft.
FROM STA. 217+25 TO STA. 222+50 -L- RT

DETAIL 21-10
STANDARD BASE DITCH
(Not to Scale)
Natural Ground, 3:1, D, d, 3:1, Natural Ground, Geotextile, B
Min. D=2.0 Ft.
Max. d=1.5 Ft.
B=4.0 Ft.
*When B is < 6.0'
Type of Liner=Class B Rip-Rap
STA. 215+30 -L- LT

DETAIL 21-2
STANDARD 'V' DITCH
(Not to Scale)
Natural Ground, 4:1, D, 4:1, Natural Ground
Min. D= 1.0 Ft.
FROM STA. 11+50 TO STA. 11+80 -Y21- LT

DETAIL 21-3
SPECIAL LATERAL 'V' DITCH
(Not to Scale)
Natural Ground, 2:1 or Flatter, D, 3:1 or Flatter, Fill Slope
Min. D= 1.5 Ft.
FROM STA. 224+47 TO STA. 225+75 -L- RT
FROM STA. 10+83 TO STA. 13+50 -Y20- LT
FROM STA. 11+00 TO STA. 13+50 -Y20- RT

STD 4' BASE DITCH
w/CL B RIPRAP
315 LF @ 2.6%
EST 257 TONS
EST 796 SY GFD
EST 870 CY DDE
SEE DETAIL 21-10

STD 2' BASE DITCH
120 LF @ 0.8%
TIE TO EXISTING
EST 70 CY DDE
SEE DETAIL 21-8

DO NOT DISTURB SEPTIC LINES

EXISTING SEPTIC LINES/TANK

-Y19- PC Sta. 11+78.24

BEGIN CONSTRUCTION
-Y19- Sta.12+00.00

-Y19- PT Sta. 12+66.33

N 72° 01' 60.0" E

-L- PT Sta. 221+22.68

-Y18- POT Sta. 10+00.00

-L- Sta. 216+62.99

-Y18- PC Sta. 11+24.80

END CONSTRUCTION
-Y18- Sta.11+24.80

-Y18- PT Sta. 12+31.80

-Y18- POT Sta. 12+89.78

-Y19- POT Sta. 10+00.00

BEGIN CONSTRUCTION
-Y21- Sta.11+80.00

-Y21- PC Sta. 11+80.69

-Y21- PT Sta. 12+81.97

N 72° 01' 60.0" E

-L- Sta.226+80.86 =
-Y21- POT Sta. 12+99.57

-L- Sta.223+83.38 =
-Y19- POT Sta.13+03.87 -BL- 36
-Y20- POT Sta. 10+00.00

-Y21- POT Sta. 10+00.00

STD V DITCH 11+50 TO 11+80
30 LF @ 0.33% EST 5 CY DDE
SEE DETAIL 21-2

CL B RIPRAP
EST 3 TONS
EST 10 SY GFD

RETAIN 12" CMP

REMOVE 20'

N 32° 58' 00.0" W

PC Sta. 12+53.28

MATCHLINE SEE SHEET 20
-L- STA 216+00

MATCHLINE SEE SHEET 22
-L- STA 228+50

MATCHLINE SEE SHEET 25
-Y20- STA 13+50

CL B RIPRAP
EST 3 TONS
EST 10 SY GFD

SPEC LAT V DITCH
10+85 TO 12+00
SEE DETAIL 21-6

SPEC LAT V DITCH
215+50 TO 216+25
SEE DETAIL 21-1

SPEC LAT V DITCH
w/CL B RIPRAP
10+85 TO 12+00
EST 96 TONS
EST 267 SY GFD
SEE DETAIL 21-4

SPEC LAT V DITCH
217+25 TO 222+50
SEE DETAIL 21-7

SPEC LAT V DITCH
11+00 TO 13+50
SEE DETAIL 21-3

CL A RIPRAP
TRANSITION
EST 12 TONS
EST 45 SY GFD

SPEC LAT V DITCH
224+47 TO 225+75
SEE DETAIL 21-3

SPEC LAT V DITCH
10+83 TO 13+50
SEE DETAIL 21-3

REMOVE & REPLACE FOOT BRIDGE

CL B RIPRAP
EST 5 TONS
EST 14 SY GFD

REMOVE 18" RCP 24" RCP -IV

REMOVE 15" RCP

REMOVE 12" RCP

REMOVE 18" RCP

DETAIL 21-8
STANDARD BASE DITCH
(Not to Scale)
Natural Ground, 4:1, D, 4:1, Natural Ground, B
Min. D= 1.5 Ft.
B= 2.0 Ft.
FROM STA. 221+70 -L- LT

DETAIL 21-9
STANDARD 'V' DITCH
(Not to Scale)
Natural Ground, 3:1, D, 3:1, Natural Ground
Min. D= 1.0 Ft.
FROM STA. 224+00 TO STA. 225+75 -L- RT

EVELYN MARIE NUCKLES MICKEY
DB 7985 PG 1259

SMITH GROVE BAPTIST CHURCH
DB 2100 PG 570

SMITH GROVE BAPTIST CHURCH
DB 3833 PG 1959

MELANIE A. CRUMP
SCOTT W. CRUMP
DB 8116 PG 1349

CLARENCE S. LONG, JR.
DB 2216 PG 814
PB 109 PG 148

HERBERT W. SAMPSON, JR.
DB 4064 PG 362
PB 44 PG 34

DANIEL NEIL SAMPSON
TRINA P. SAMPSON
DB 4077 PG 1397
PB 44 PG 34

NCDOT
DB 8681 PG 188
formerly Mattie W. Nuckles
DB 3546 PG 1962

ERNESTINE W. QUICK, TRUSTEE
ERNESTINE WESTMORELAND
QUICK FAMILY TRUST
DB 8142 PG 1908

STATE OF NORTH CAROLINA
DEPT OF JUSTICE
DB 3614 PG 1972
PB 116 PG 1

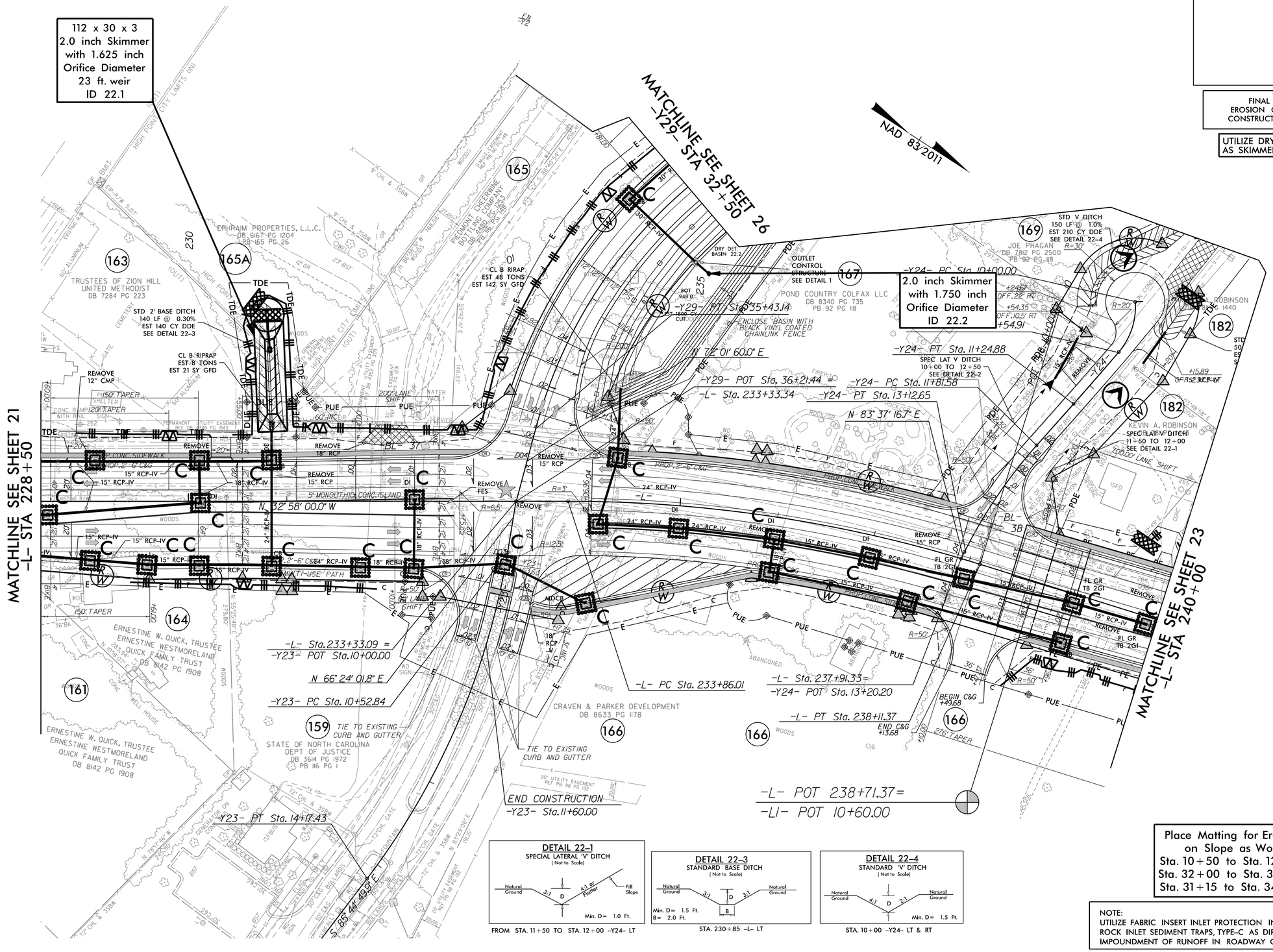
DORIS W. NUCKLES
DB 8622 PG 2014
PB 209 PG 85

146 147 149 150 151 152 153 154 155 159 161 162 163

PROJECT REFERENCE NO.	SHEET NO.
U-4758	EC-46/CONST.22
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

FINAL GRADING
EROSION CONTROL FOR
CONSTRUCTION SHEET 22

UTILIZE DRY DETENTION BASIN
AS SKIMMER BASIN.



DETAIL 22-1
SPECIAL LATERAL 'V' DITCH
(Not to Scale)

FROM STA. 11+50 TO STA. 12+00 -Y24- LT

DETAIL 22-3
STANDARD BASE DITCH
(Not to Scale)

STA. 230+85 -L- LT

DETAIL 22-4
STANDARD 'V' DITCH
(Not to Scale)

STA. 10+00 -Y24- LT & RT

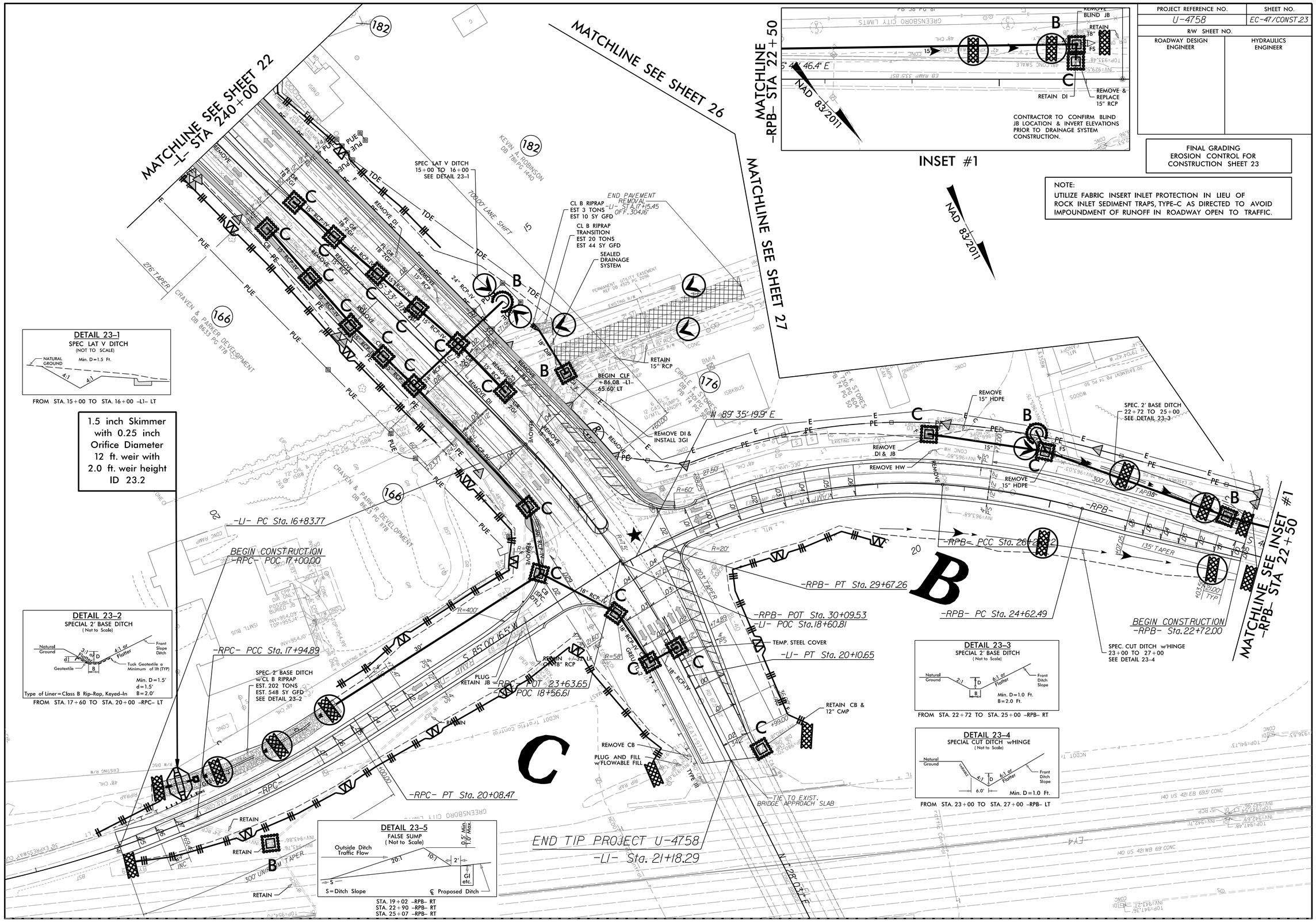
Place Matting for Erosion Control
on Slope as Work Allows.
Sta. 10+50 to Sta. 12+00 -Y26- RT
Sta. 32+00 to Sta. 34+00 -Y29- LT
Sta. 31+15 to Sta. 34+00 -Y29- RT

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

PROJECT REFERENCE NO.	SHEET NO.
U-4758	EC-47/CONST.23
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

FINAL GRADING
EROSION CONTROL FOR
CONSTRUCTION SHEET 23

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



DETAIL 23-1
SPEC LAT V DITCH
(NOT TO SCALE)
Natural Ground — Min. D=1.5 Ft. — 4:1 — 4:1
FROM STA. 15+00 TO STA. 16+00 -L1- LT

1.5 inch Skimmer with 0.25 inch Orifice Diameter 12 ft. weir with 2.0 ft. weir height ID 23.2

DETAIL 23-2
SPECIAL 2' BASE DITCH
(Not to Scale)
Natural Ground — 3:1 or Flatter — D — 4:1 or Flatter — Front Slope Ditch — Geotextile — Tuck Geotextile a Minimum of 18 (TYP) — B
Min. D=1.5'
d=1.5'
B=2.0'
Type of Liner=Class B Rip-Rap, Keyed-In
FROM STA. 17+60 TO STA. 20+00 -RPC- LT

DETAIL 23-3
SPECIAL 2' BASE DITCH
(Not to Scale)
Natural Ground — 2:1 — D — 6:1 or Flatter — Front Ditch Slope — B
Min. D=1.0 Ft.
B=2.0 Ft.
FROM STA. 22+72 TO STA. 25+00 -RPB- RT

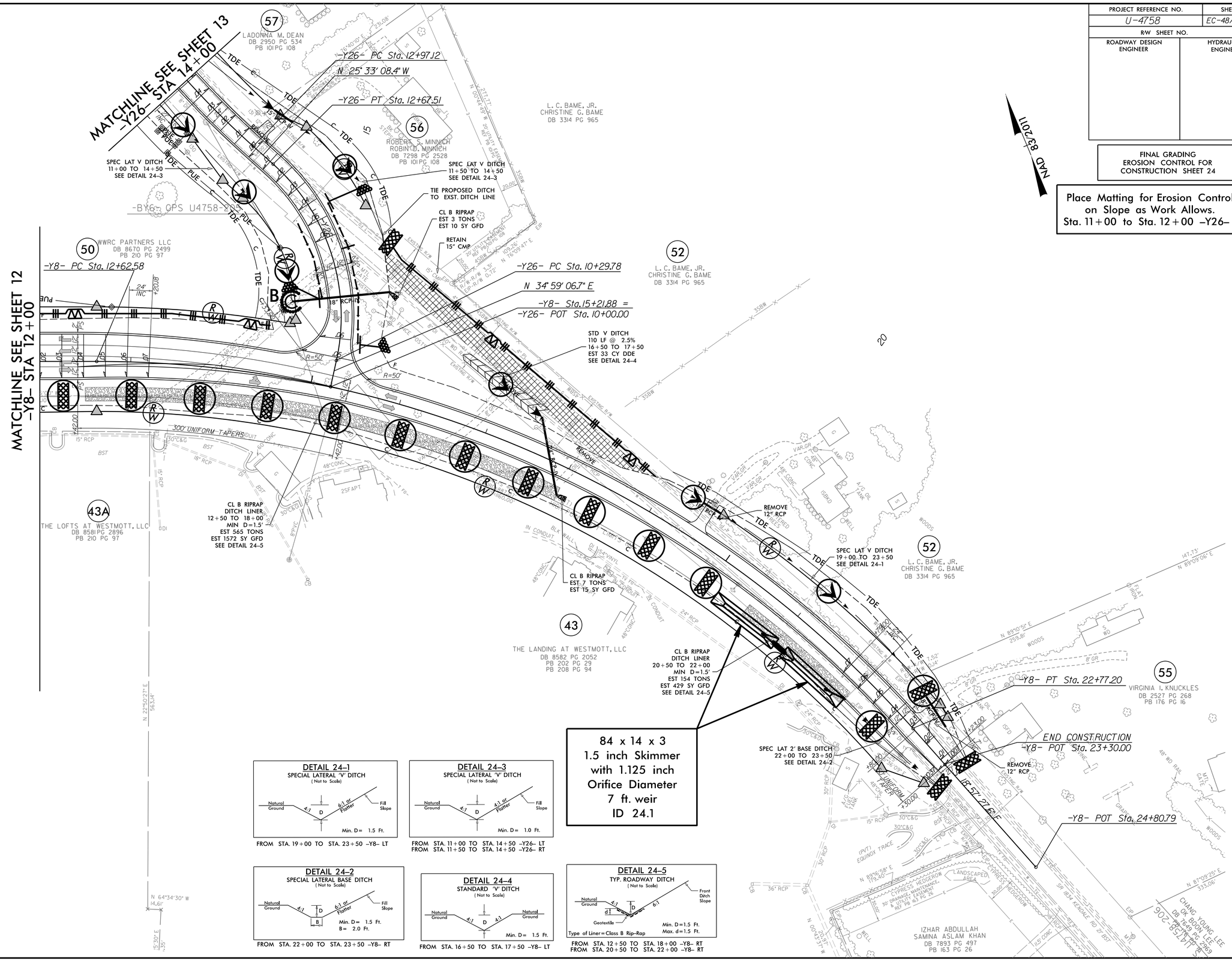
DETAIL 23-4
SPECIAL CUT DITCH w/HINGE
(Not to Scale)
Natural Ground — TAPER — 4:1 — D — 6:1 or Flatter — Front Ditch Slope — 6.0'
Min. D=1.0 Ft.
FROM STA. 23+00 TO STA. 27+00 -RPB- LT

DETAIL 23-5
FALSE SUMP
(Not to Scale)
Outside Ditch Traffic Flow — 20:1 — 10:1 — 2' — 0.5' Min. 1.0' Max. — GI etc.
S=Ditch Slope — ℄ Proposed Ditch
STA. 19+02 -RPB- RT
STA. 22+90 -RPB- RT
STA. 25+07 -RPB- RT

PROJECT REFERENCE NO.	SHEET NO.
U-4758	EC-48/CONST.24
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

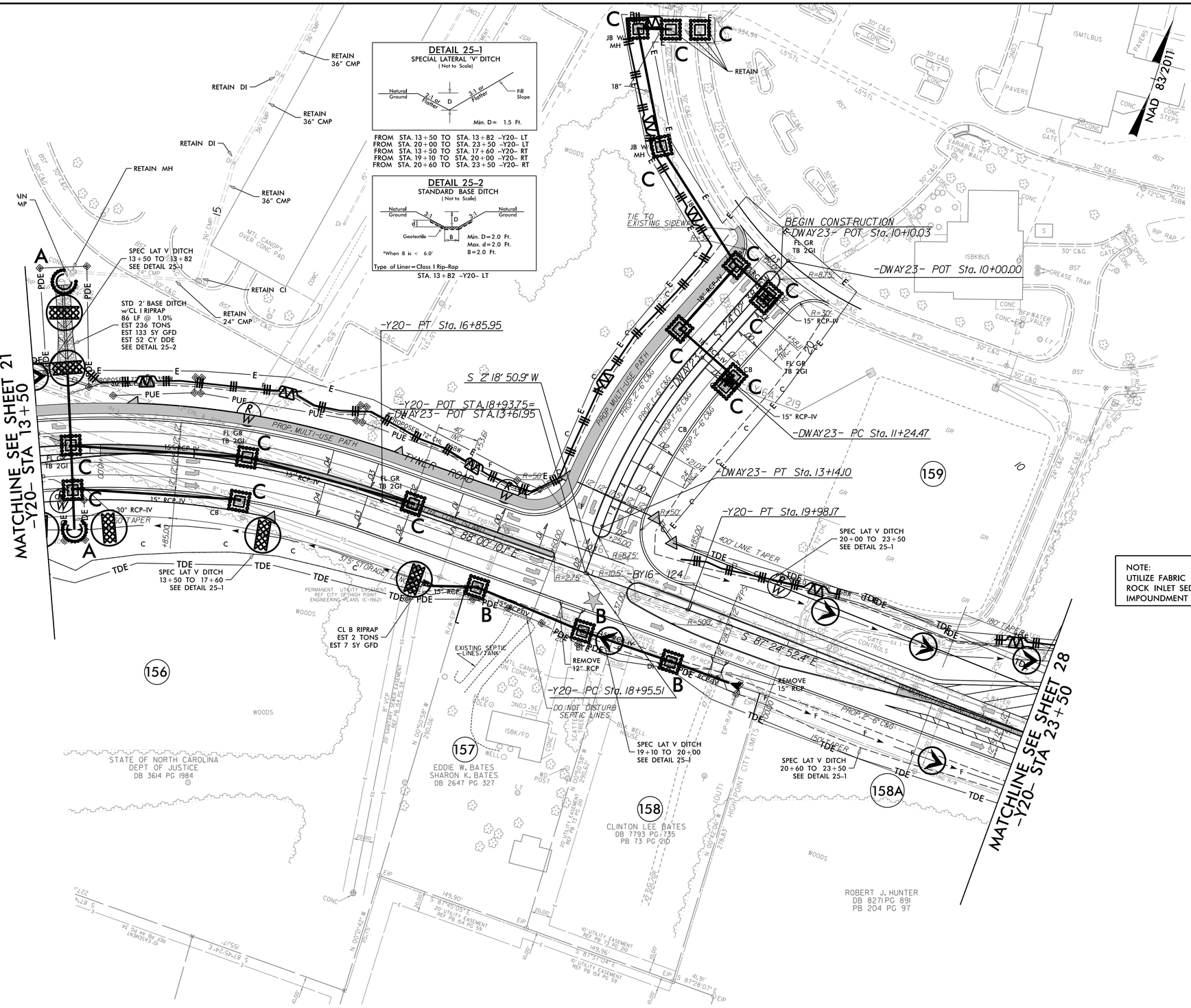
FINAL GRADING
EROSION CONTROL FOR
CONSTRUCTION SHEET 24

Place Matting for Erosion Control
on Slope as Work Allows.
Sta. 11+00 to Sta. 12+00 –Y26– LT



PROJECT REFERENCE NO.	SHEET NO.
U-4758	EC-49/CONST.25
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

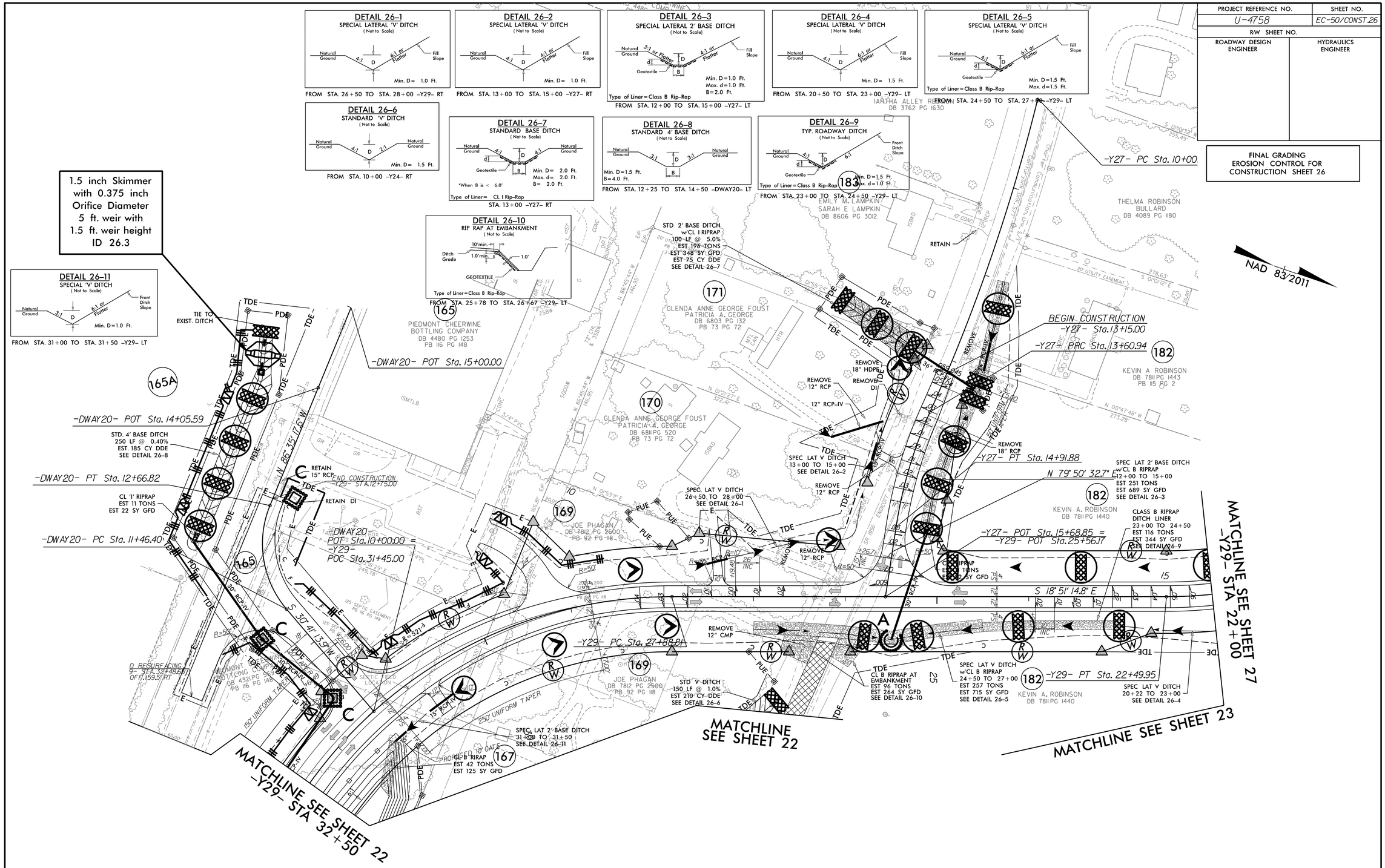
FINAL GRADING
EROSION CONTROL FOR
CONSTRUCTION SHEET 25



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

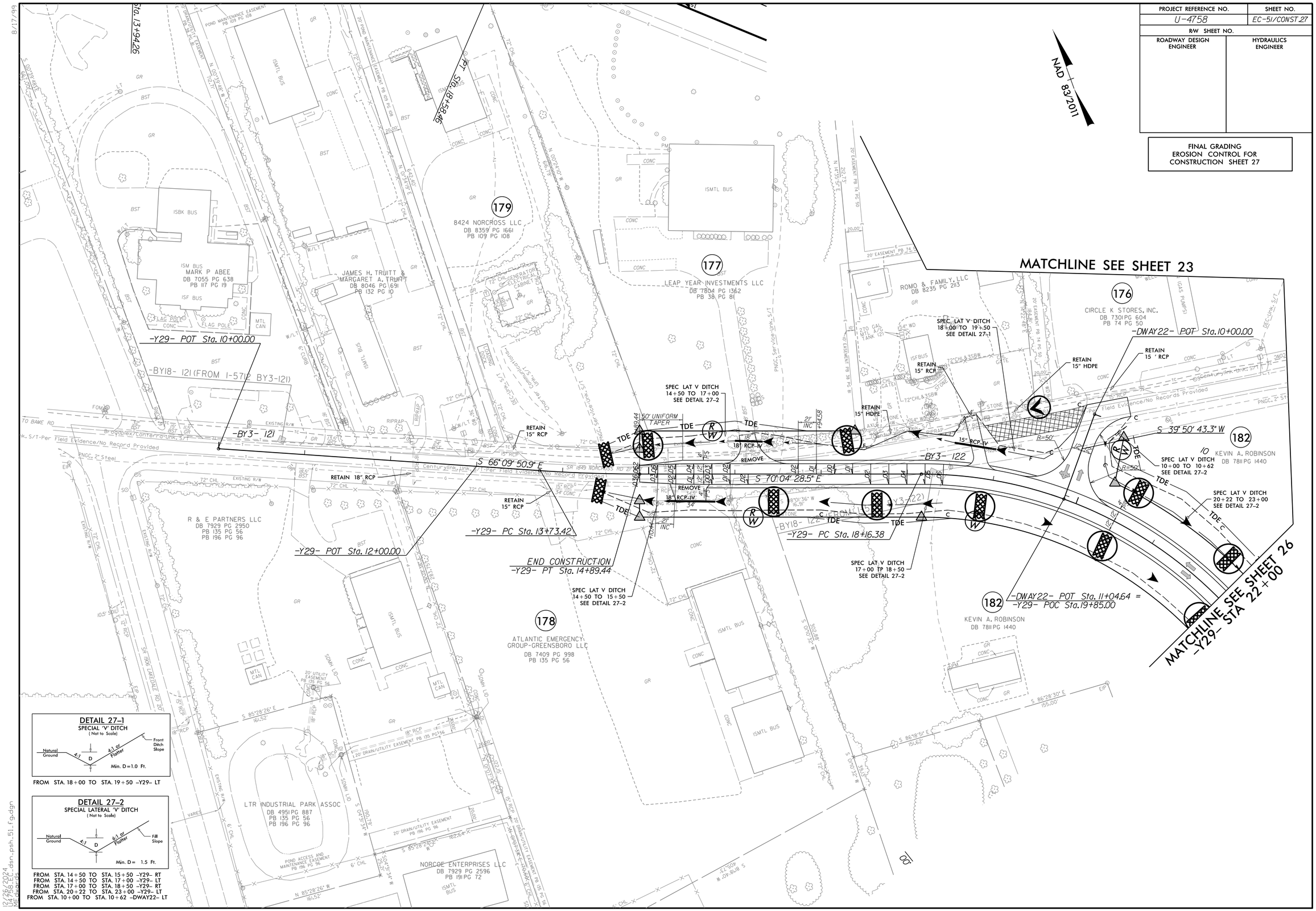
PROJECT REFERENCE NO.	SHEET NO.
U-4758	EC-50/CONST.26
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

FINAL GRADING
EROSION CONTROL FOR
CONSTRUCTION SHEET 26



PROJECT REFERENCE NO.	SHEET NO.
U-4758	EC-51/CONST.27
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

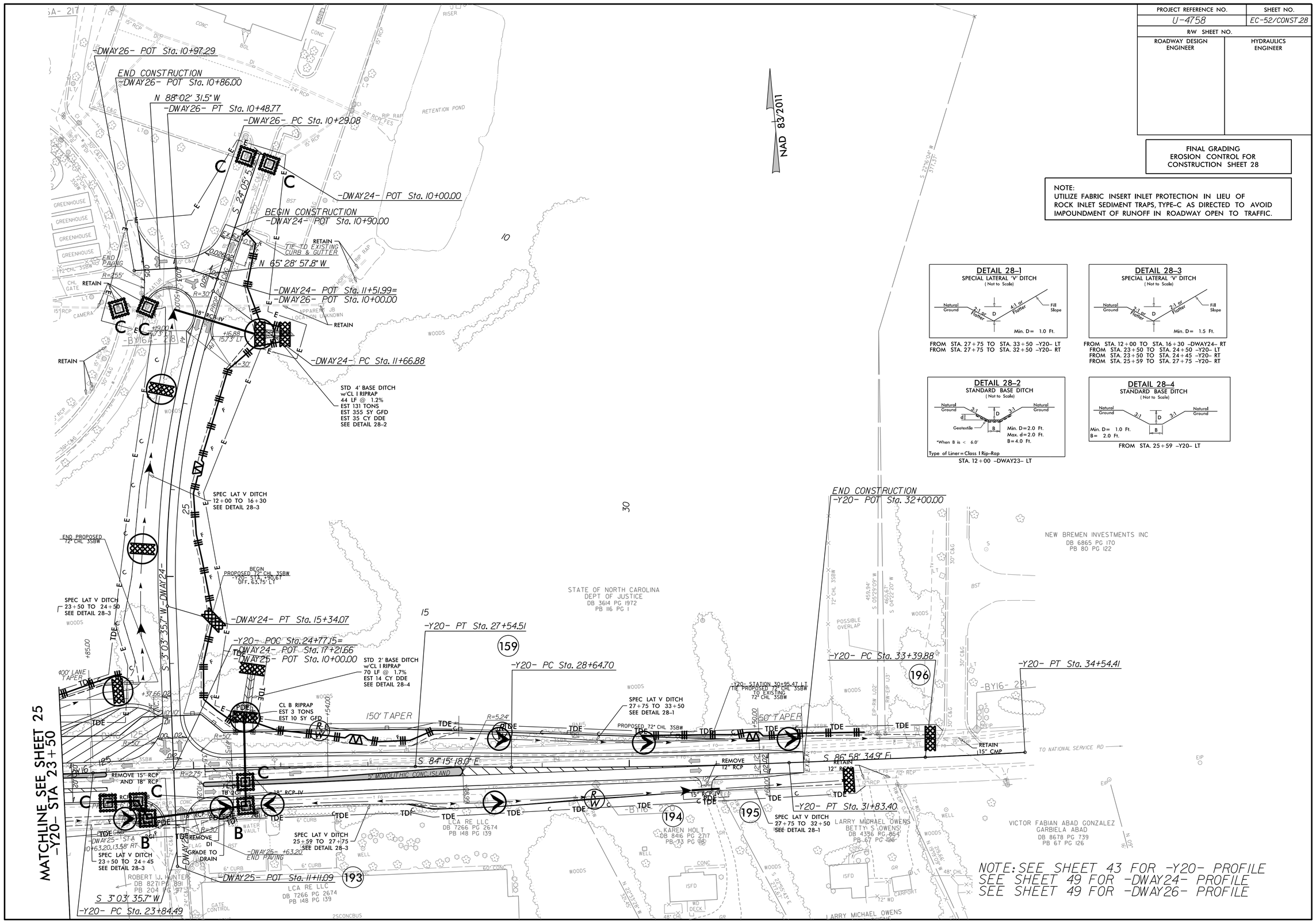
FINAL GRADING
EROSION CONTROL FOR
CONSTRUCTION SHEET 27



PROJECT REFERENCE NO.	SHEET NO.
U-4758	EC-52/CONST.28
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

FINAL GRADING
EROSION CONTROL FOR
CONSTRUCTION SHEET 28

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



DETAIL 28-1
SPECIAL LATERAL 'V' DITCH
(Not to Scale)

FROM STA. 27+75 TO STA. 33+50 -Y20- LT
FROM STA. 27+75 TO STA. 32+50 -Y20- RT

DETAIL 28-3
SPECIAL LATERAL 'V' DITCH
(Not to Scale)

FROM STA. 12+00 TO STA. 16+30 -DWAY24- RT
FROM STA. 23+50 TO STA. 24+50 -Y20- LT
FROM STA. 23+50 TO STA. 24+45 -Y20- RT
FROM STA. 25+59 TO STA. 27+75 -Y20- RT

DETAIL 28-2
STANDARD BASE DITCH
(Not to Scale)

Type of Liner=Class I Rip-Rap
STA. 12+00 -DWAY23- LT

DETAIL 28-4
STANDARD BASE DITCH
(Not to Scale)

FROM STA. 25+59 -Y20- LT