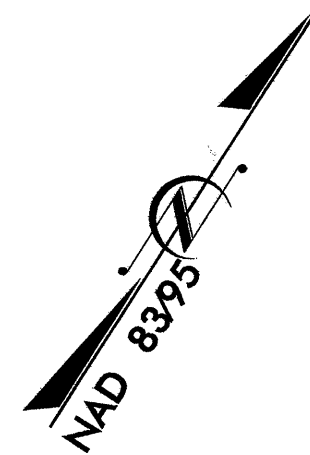


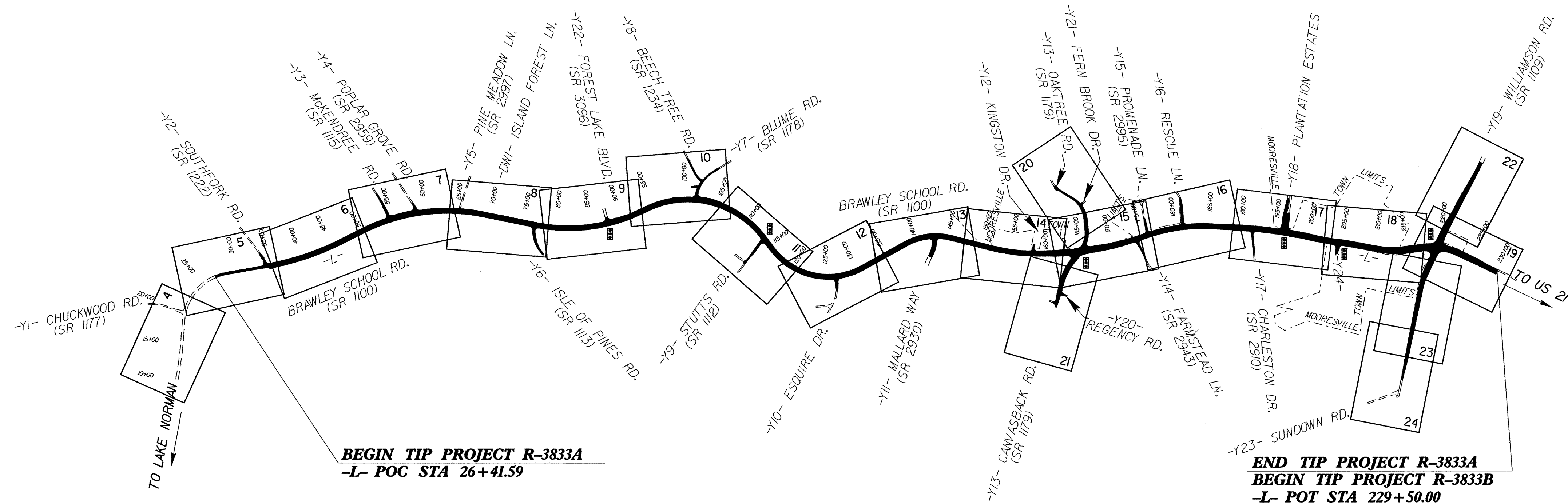
**TIP PROJECT: R-3833A**



STATE OF NORTH CAROLINA  
 DIVISION OF HIGHWAYS  
 PLAN FOR PROPOSED  
 HIGHWAY EROSION CONTROL  
**IREDELL COUNTY**

**LOCATION: SR 1100 (BRAWLEY SCHOOL ROAD) FROM SOUTH OF SR 1122 (SOUTHFORK ROAD) TO EAST OF SR 1109 (WILLIAMSON ROAD)**

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

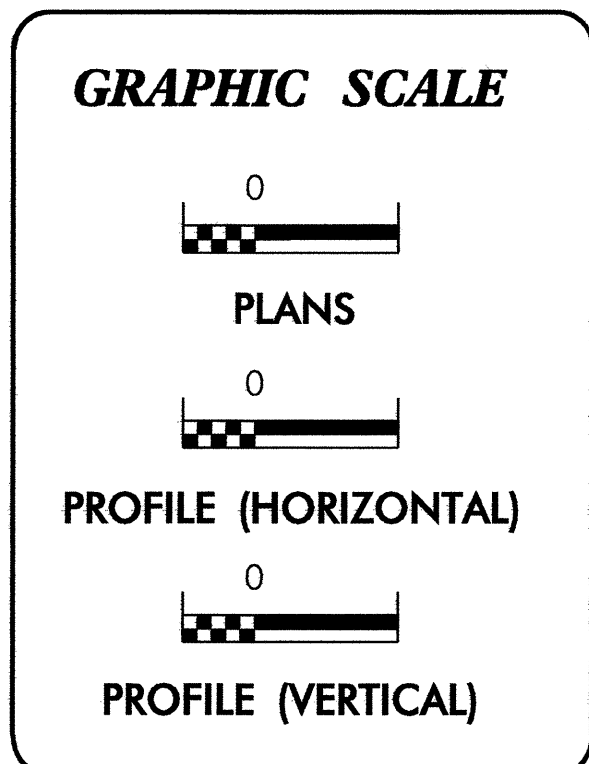


STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	R-3833A	EC-1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	

**EROSION AND SEDIMENT CONTROL MEASURES**

Std. #	Description	Symbol
1630.03	Temporary Silt Ditch	TSB
1630.05	Temporary Diversion	TD
1605.01	Temporary Silt Fence	III III III
1606.01	Special Sediment Control Fence	III III III III III III III
1622.01	Temporary Berms and Slope Drains	— T —
1630.01	Riser Basin	⊙
	Silt Basin Type B	▨
1633.01	Temporary Rock Silt Check Type-A	▨
	Temporary Rock Silt Check Type-B	▶
	Wattle	⌒
1634.01	Temporary Rock Sediment Dam Type-A	▨
1634.02	Temporary Rock Sediment Dam Type-B	▨
1635.01	Rock Pipe Inlet Sediment Trap Type-A	⊙
1635.02	Rock Pipe Inlet Sediment Trap Type-B	⊙
1630.04	Stilling Basin	▭
1630.06	Special Stilling Basin	▭
	Rock Inlet Sediment Trap:	
1632.01	Type A	A
1632.02	Type B	B
1632.03	Type C	C
	Skimmer Basin	▭
	Tiered Skimmer Basin	▭
	Infiltration Basin	▭

**THIS PROJECT CONTAINS EROSION CONTROL PLANS FOR CLEARING AND GRUBBING PHASE OF CONSTRUCTION.**



ROADSIDE ENVIRONMENTAL UNIT  
 DIVISION OF HIGHWAYS  
 STATE OF NORTH CAROLINA

Prepared in the Office of:  
**ROADSIDE ENVIRONMENTAL UNIT**  
 1 South Wilmington St.  
 Raleigh, NC 27611  
**2006 STANDARD SPECIFICATIONS**

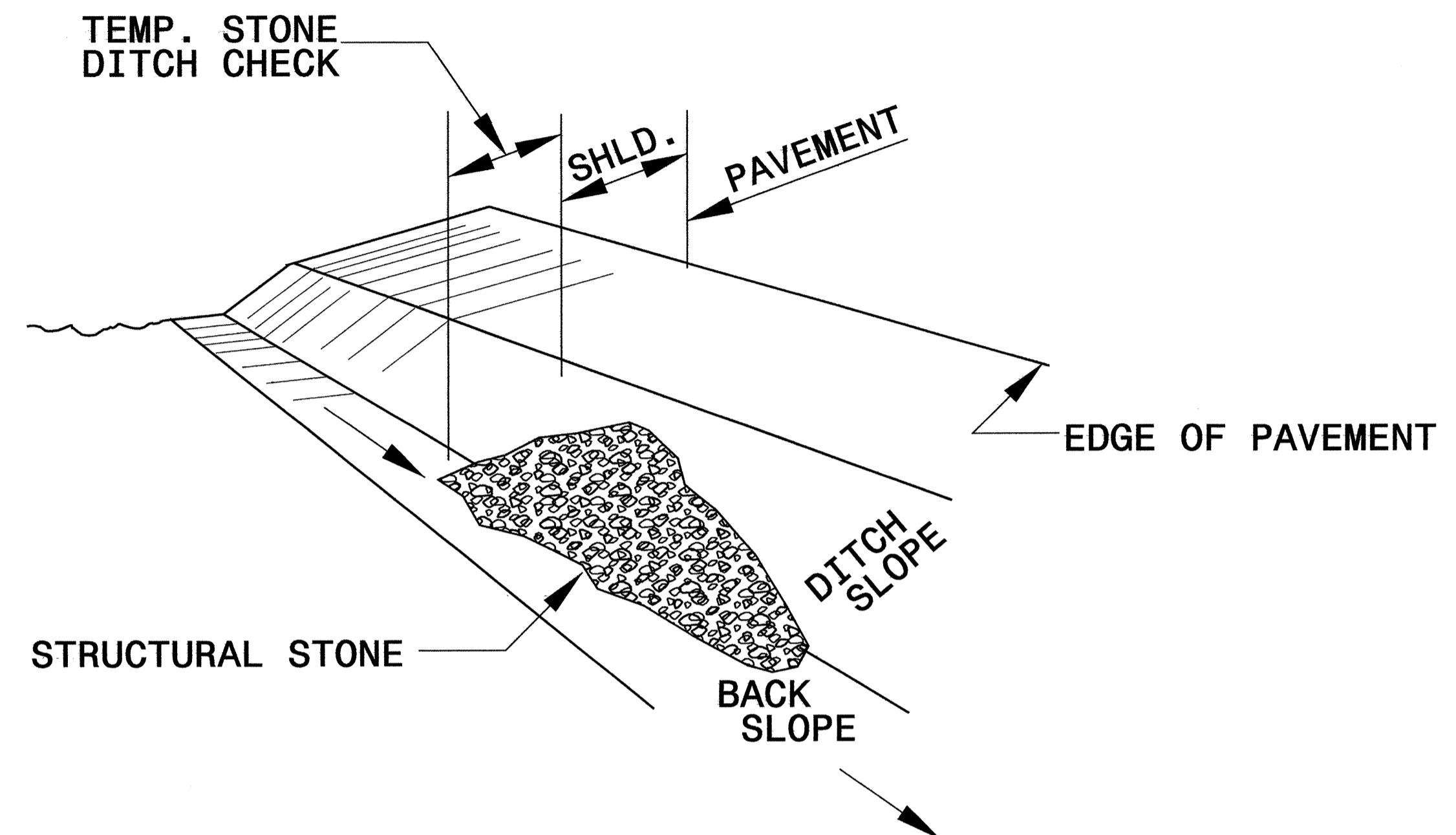
Roadway Standard Drawings

The following roadway english standards as appear in "Roadway Standard Drawings"- Roadway Design Unit - N. C. Department of Transportation - Raleigh, N. C., dated July 18, 2006 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

1605.01 Temporary Silt Fence	1632.01 Rock Inlet Sediment Trap Type A
1606.01 Special Sediment Control Fence	1632.02 Rock Inlet Sediment Trap Type B
1607.01 Gravel Construction Entrance	1632.03 Rock Inlet Sediment Trap Type C
1622.01 Temporary Berms and Slope Drains	1633.01 Temporary Rock Silt Check Type A
1630.03 Temporary Silt Ditch	1634.02 Temporary Rock Sediment Dam Type B
1630.05 Temporary Diversion	1635.01 Rock Pipe Inlet Sediment Trap Type A
	1635.02 Rock Pipe Inlet Sediment Trap Type B

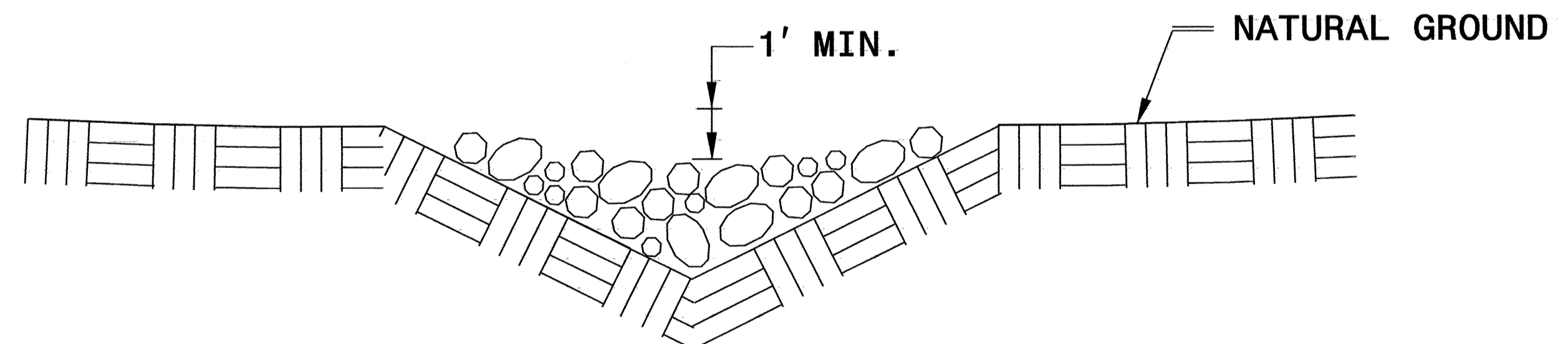
PROJECT REFERENCE NO. R-3833A	SHEET NO. EC-2
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

# TEMPORARY ROCK SILT CHECK TYPE 'B' DETAIL

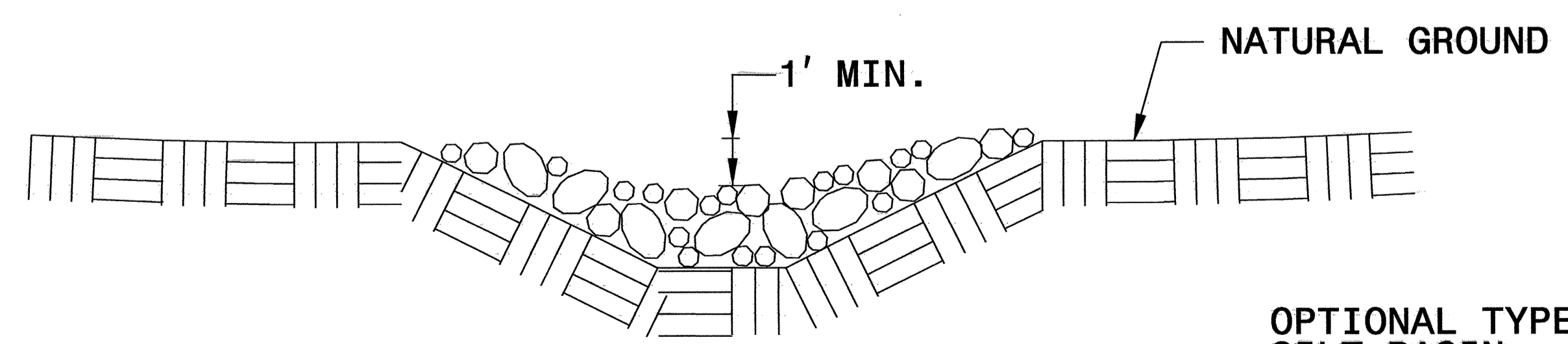


**ISOMETRIC VIEW**

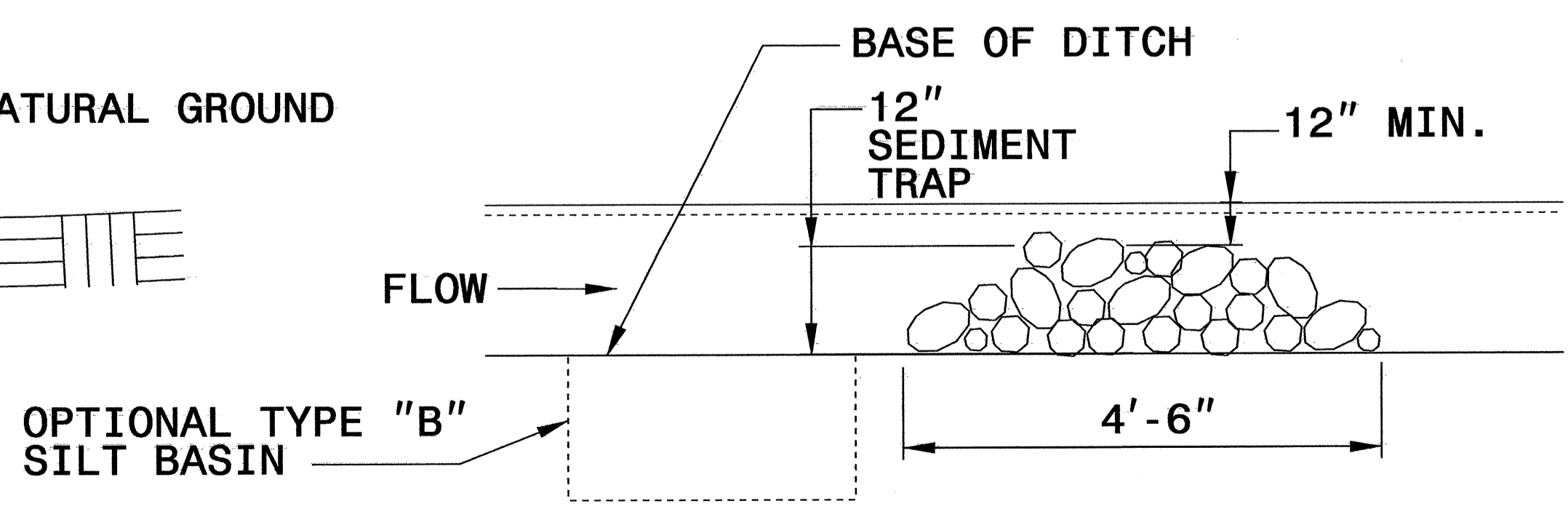
NOTES:  
 USE CLASS 'B' EROSION CONTROL STONE FOR STRUCTURAL STONE.  
 THE ENGINEER MAY DIRECT THE OPTION OF CLASS "A" STONE FOR SITES HAVING LESS THAN ONE (1) ACRE DRAINAGE AREA AND A DITCH GRADE LESS THAN 3%.



**CROSS SECTION VEE DITCH**



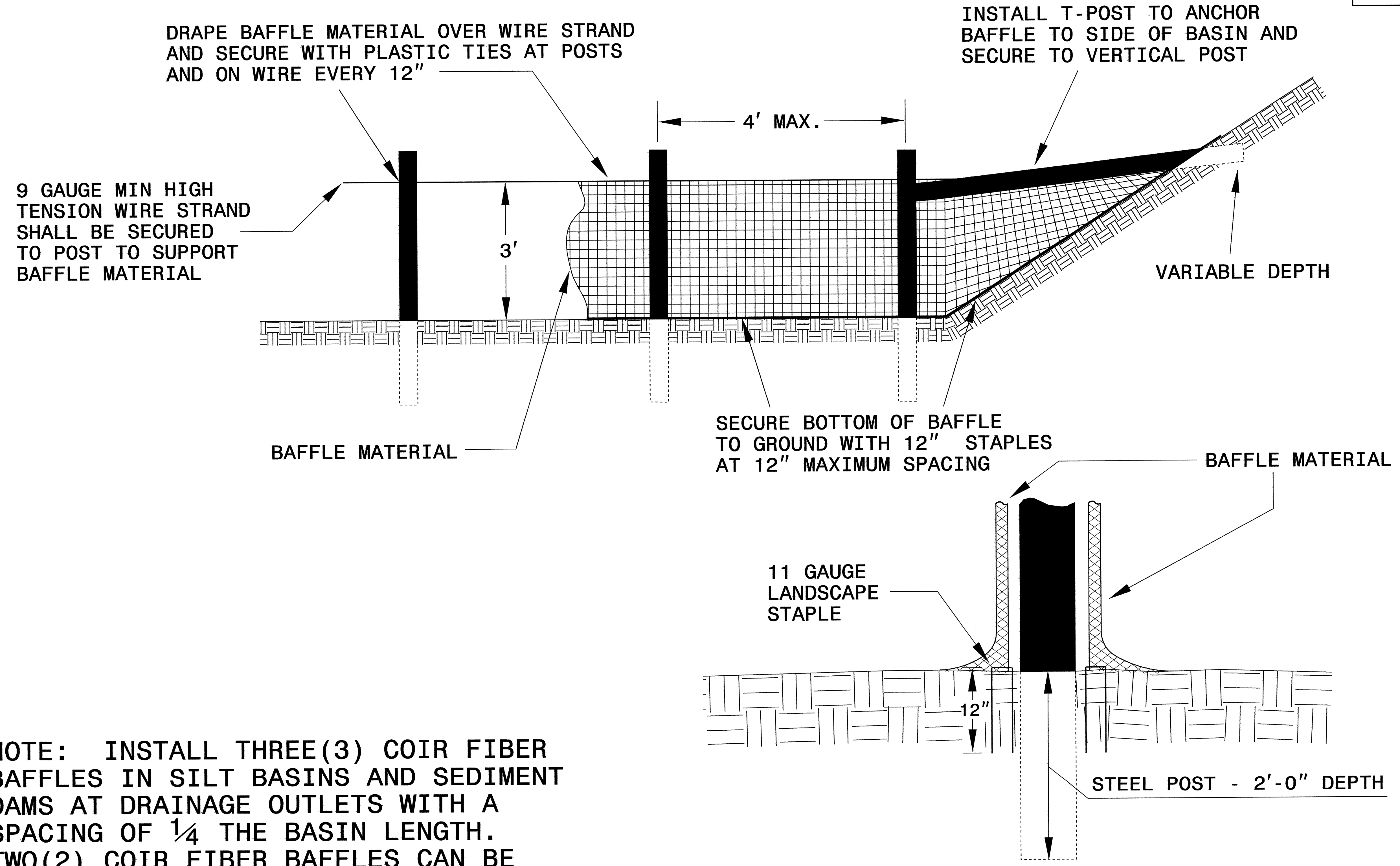
**CROSS SECTION TRAPEZOIDAL DITCH**



**ELEVATION VIEW**

PROJECT REFERENCE NO. R-3833A	SHEET NO. EC-2A
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

# COIR FIBER BAFFLE DETAIL



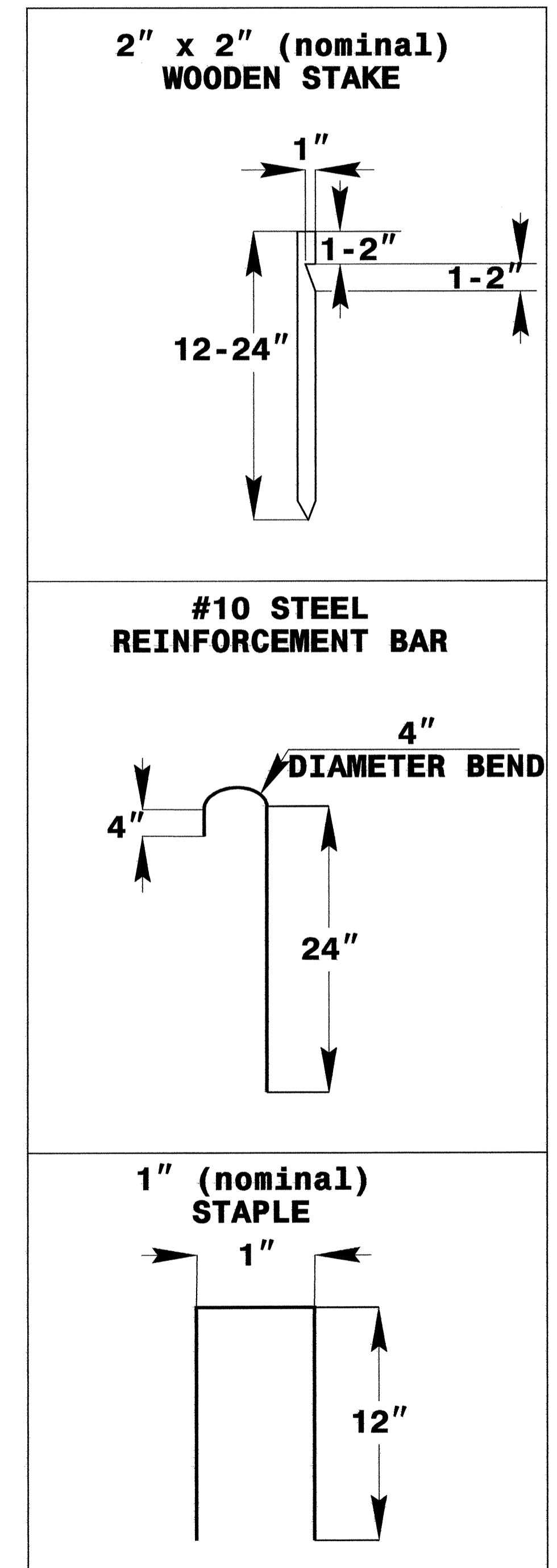
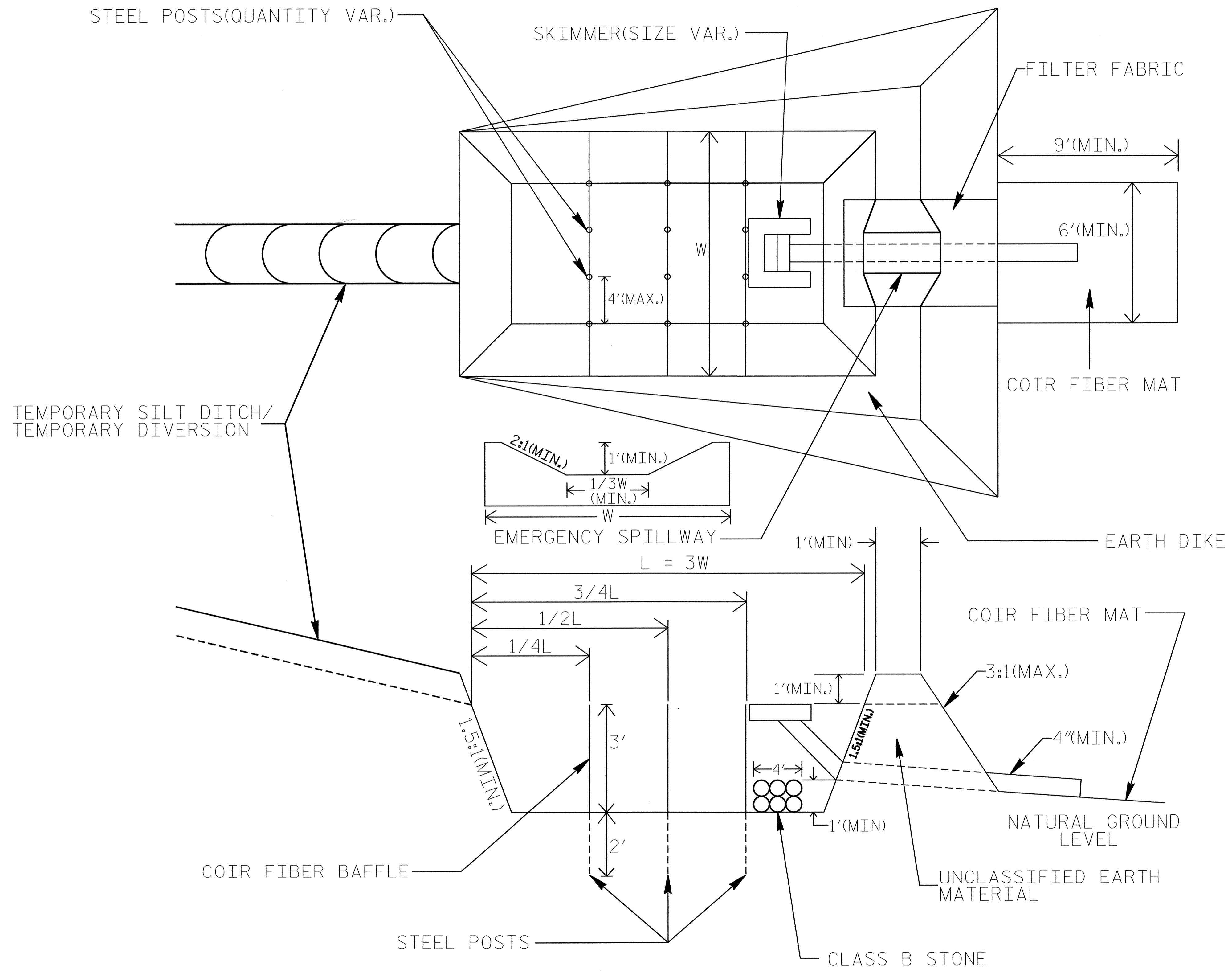
NOTE: INSTALL THREE (3) COIR FIBER BAFFLES IN SILT BASINS AND SEDIMENT DAMS AT DRAINAGE OUTLETS WITH A SPACING OF  $\frac{1}{4}$  THE BASIN LENGTH. TWO (2) COIR FIBER BAFFLES CAN BE INSTALLED IN SILT BASINS AND DAMS LESS THAN 20 FT. IN LENGTH WITH A SPACING OF  $\frac{1}{3}$  THE BASIN LENGTH.

BAFFLE MATERIAL SHALL BE SECURED TO THE BOTTOM AND SIDES OF BASIN USING 12" LANDSCAPE STAPLES



# SKIMMER BASIN WITH BAFFLES DETAIL

PROJECT REFERENCE NO. R-3833A	SHEET NO. EC-2B
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



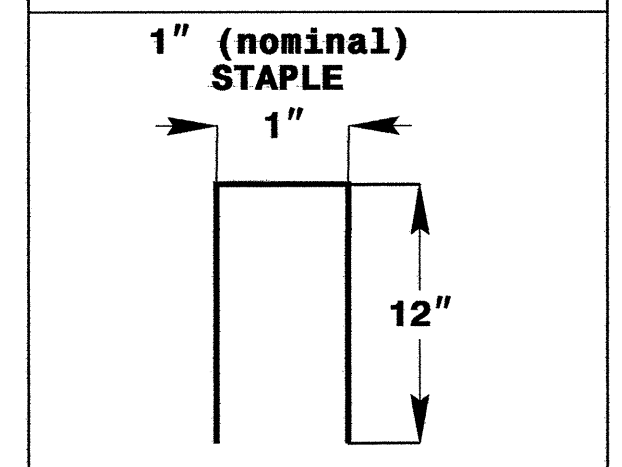
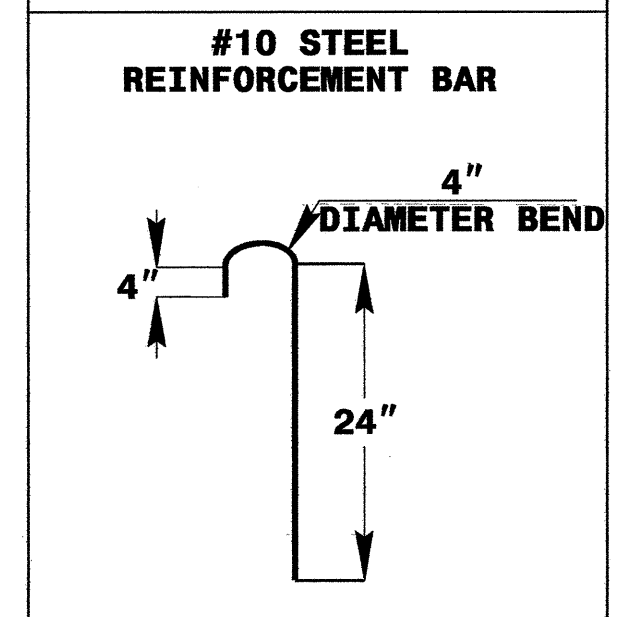
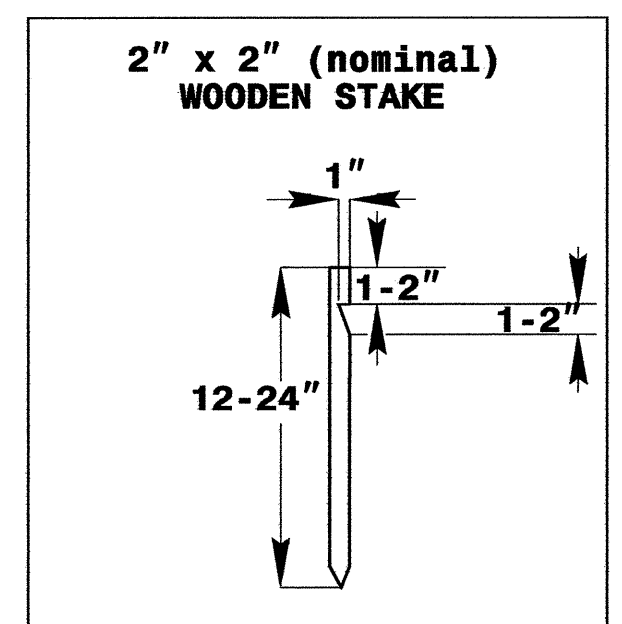
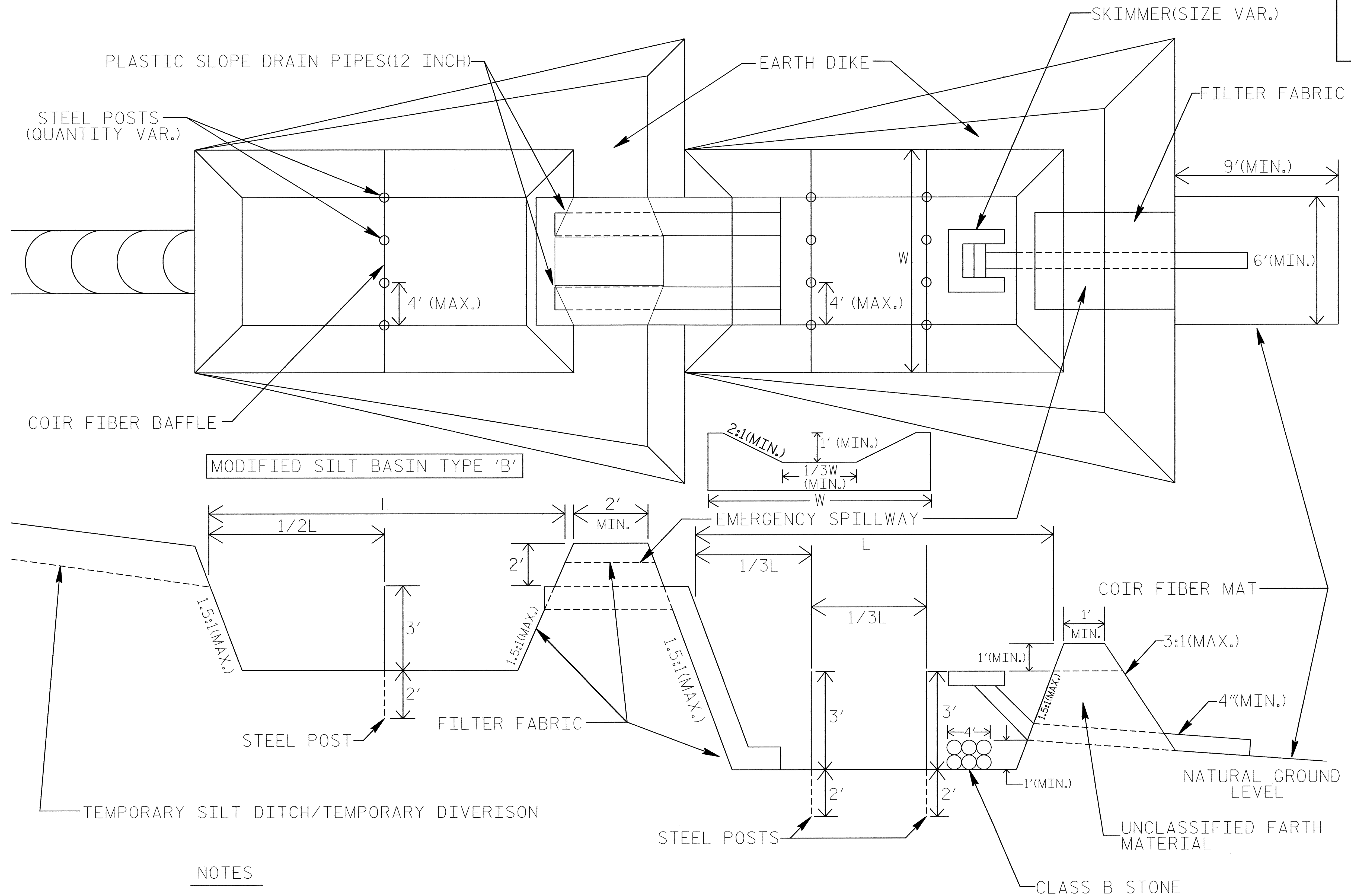
**COIR FIBER MAT ANCHOR OPTIONS**

- NOTES:**
1. SEED AND PLACE MATTING FOR EROSION CONTROL ON SIDESLOPES.
  2. LIMIT EARTH DIKE HEIGHT TO 5 FT.



# TIERED SKIMMER BASIN DETAIL

PROJECT REFERENCE NO. R-3833A	SHEET NO. EC-2C
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



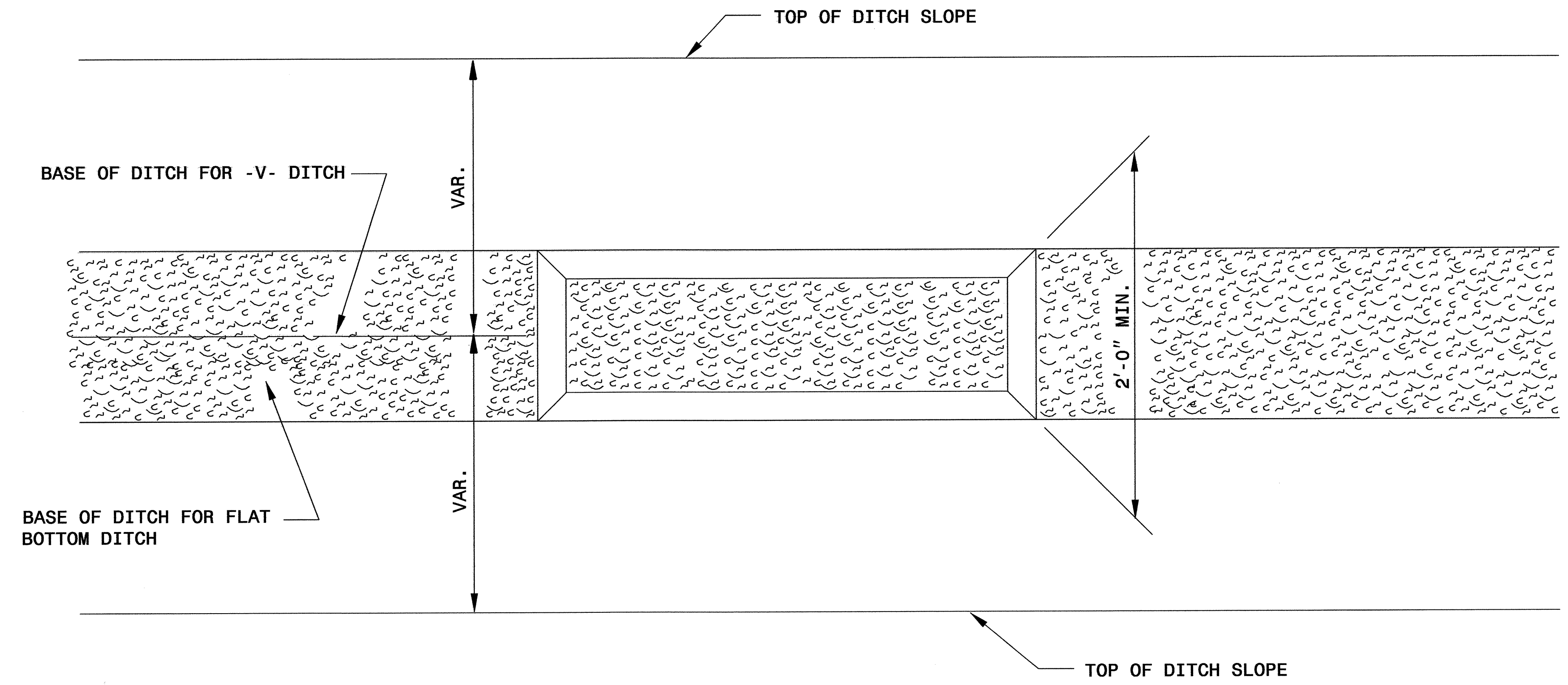
**COIR FIBER MAT ANCHOR OPTIONS**

**NOTES**

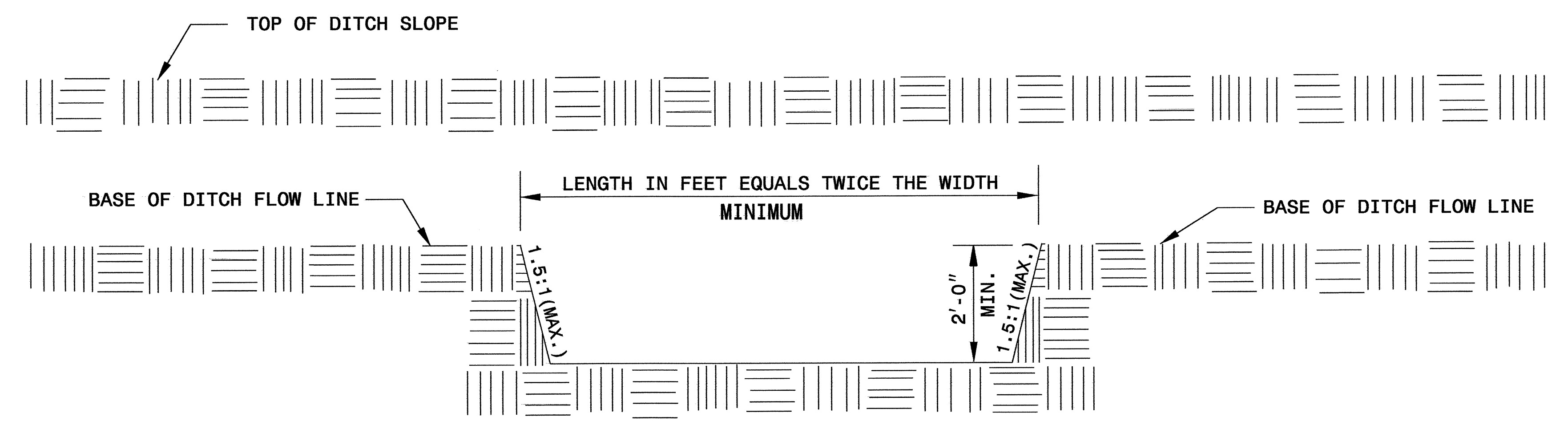
1. SEED AND PLACE MATTING FOR EROSION CONTROL ON SIDESLOPES OF BASINS.
2. LIMIT HEIGHT OF EARTH DIKES TO 5 FT.
3. ADDITIONAL MODIFIED SILT BASINS TYPE 'B' MAY BE NEEDED DEPENDING ON SLOPE.

PROJECT REFERENCE NO. <i>R-3833A</i>	SHEET NO. <i>EC-2D</i>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

# SILT BASIN 'B' DETAIL



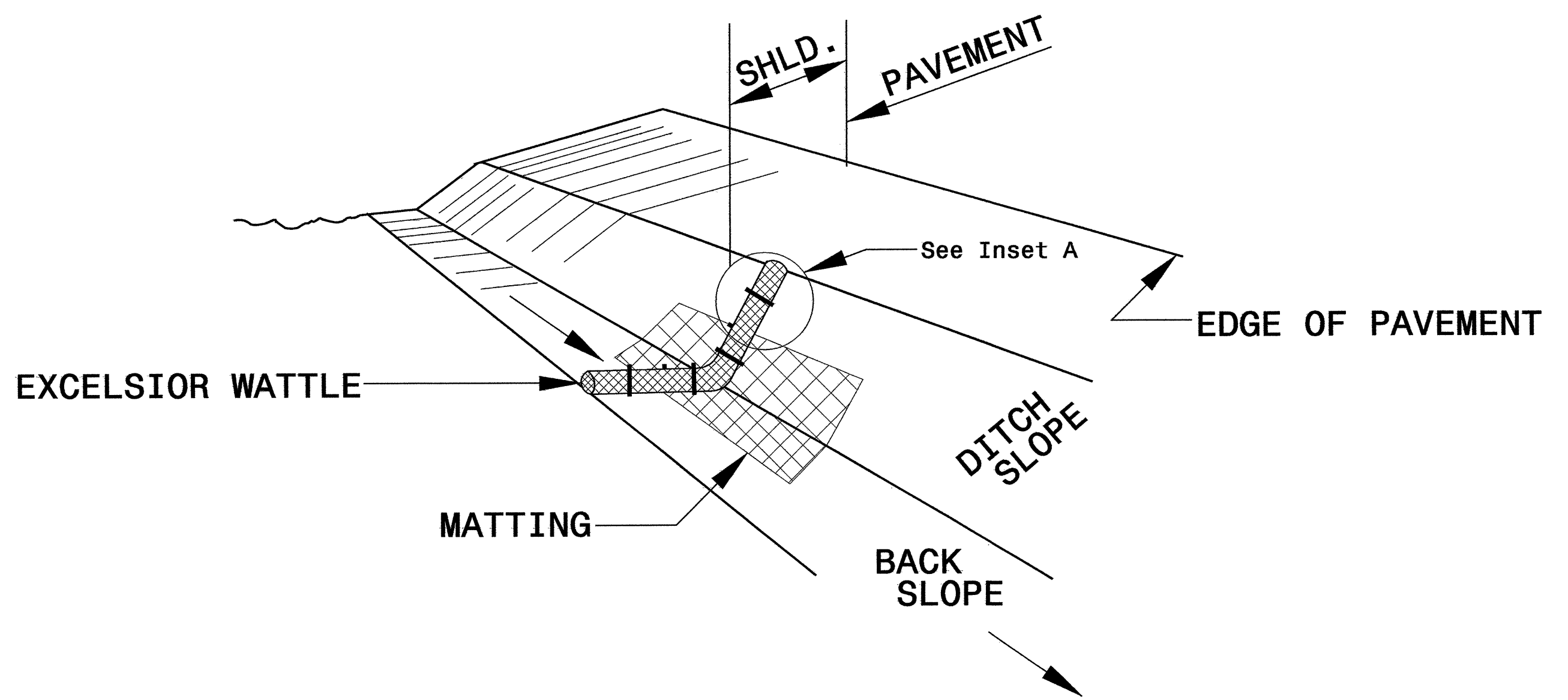
PLAN



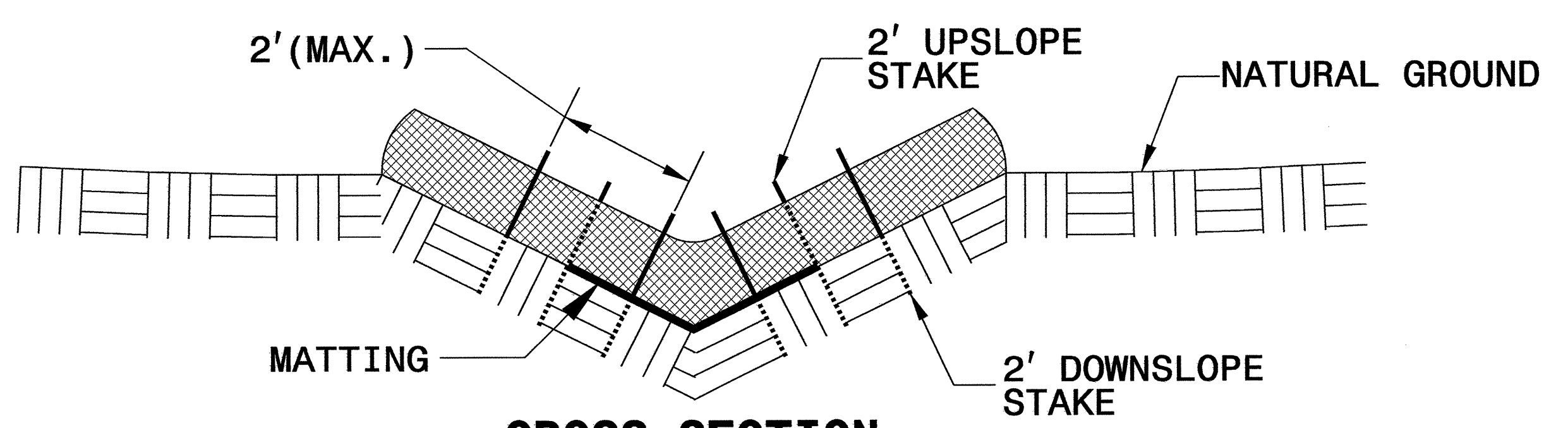
ELEVATION

PROJECT REFERENCE NO. R-3833A	SHEET NO. EC-2E
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

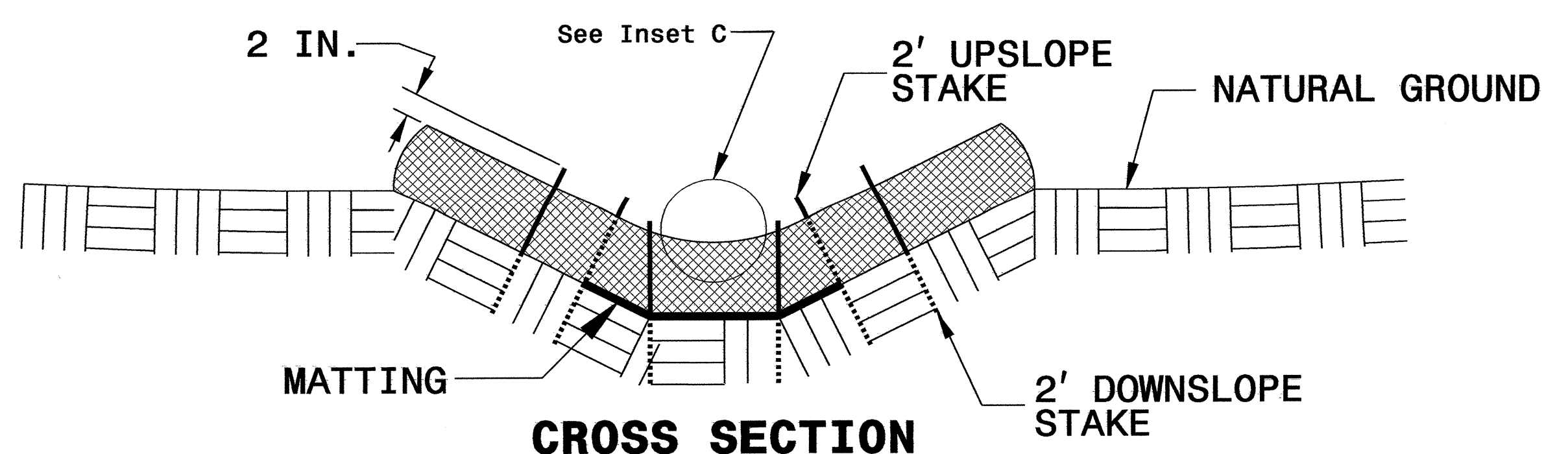
# WATTLE WITH POLYACRYLAMIDE DETAIL



**ISOMETRIC VIEW**



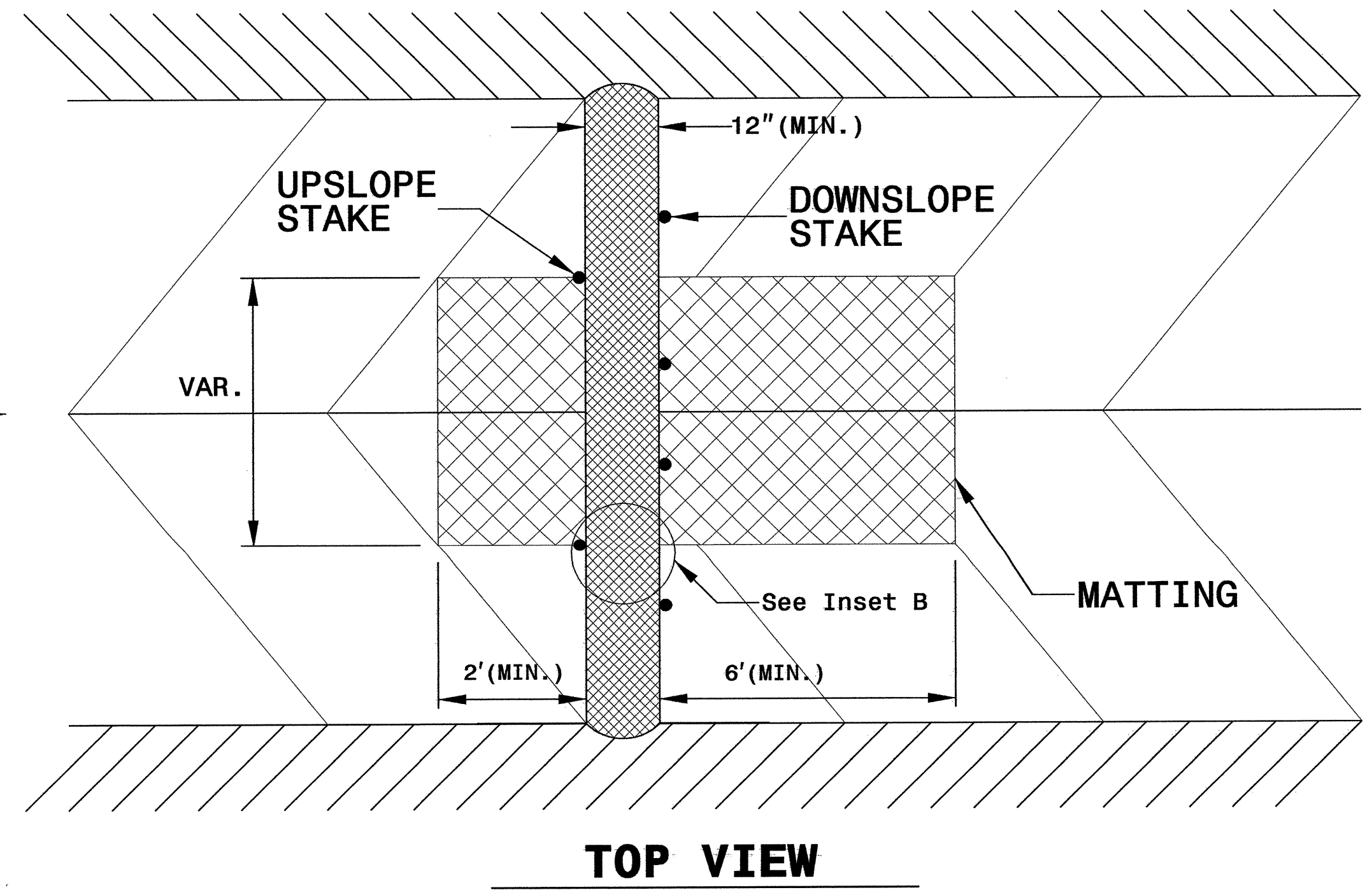
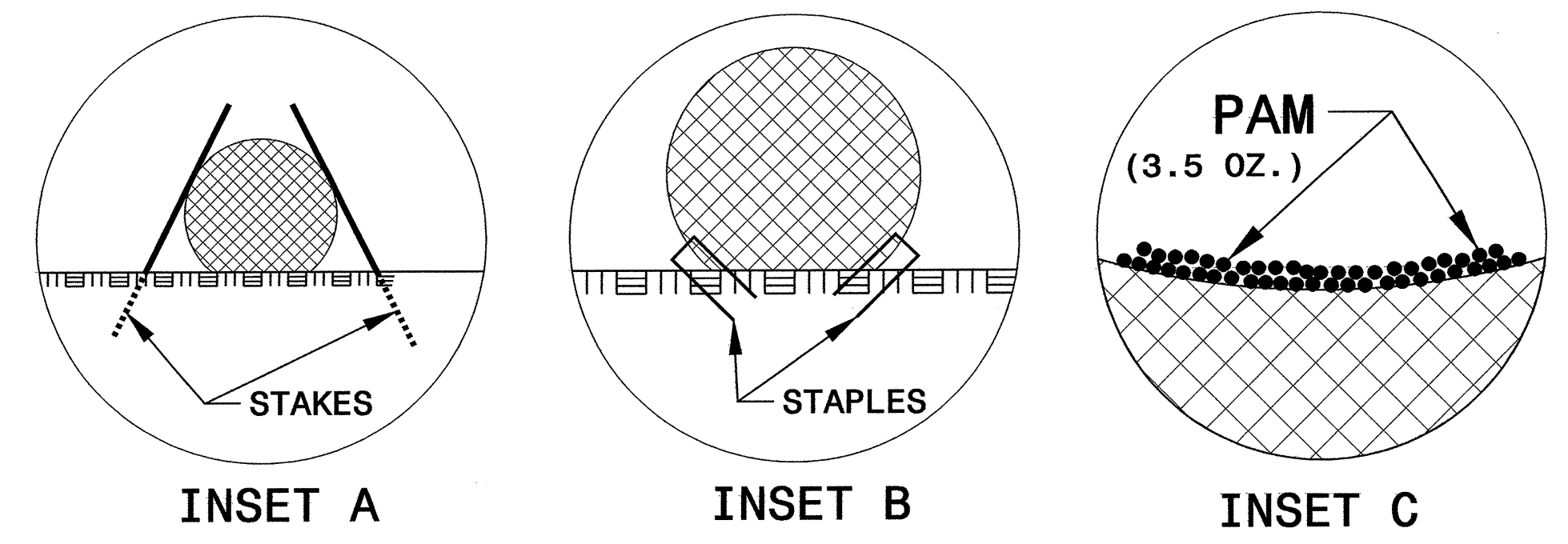
**CROSS SECTION VEE DITCH**



**CROSS SECTION TRAPEZOIDAL DITCH**

**NOTES:**

- USE MINIMUM 12 IN. DIAMETER EXCELSIOR WATTLE.
- USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. CROSS SECTION.
- INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.
- PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.
- INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.
- INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.
- INITIALLY APPLY 3.5 OUNCES OF ANIONIC OR NEUTRALLY CHARGED POLYACRYLAMIDE (PAM) OVER WATTLE WHERE WATER WILL FLOW AND AFTER EVERY RAINFALL EVENT THAT IS EQUAL TO OR EXCEEDS 0.25 IN.



**TOP VIEW**



DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA

PROJECT REFERENCE NO. <i>R-3833A</i>	SHEET NO. <i>EC-3</i>
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

## SOIL STABILIZATION SUMMARY SHEET

### MATTING FOR EROSION CONTROL

### PERMANENT SOIL REINFORCEMENT MAT

CONST SHEET NO.	LINE	FROM STATION	TO STATION	SIDE	ESTIMATE (SY)
5	-L-	31+00	33+50	LT	265
5	-L-	35+00	36+50	RT	105
6	-L-	47+90	53+50	LT	395
7	-L-	54+60	57+80	LT	220
7	-Y3-	10+50	13+50	RT	280
7	-Y3-	10+50	13+50	LT	340
8	-Y6-	11+50	14+50	LT	280
10	-Y7-	15+00	16+40	LT	100
11	-L-	115+00	119+00	LT	200
11	-Y9-	11+50	15+00	LT	245
11	-Y9-	12+50	15+00	RT	175
12	-L-	121+50	126+00	RT	315
12	-L-	128+00	131+50	RT	245
12	-Y10-	11+00	12+00	LT	105
12	-Y10-	11+50	12+00	RT	70
15	-Y13-	32+50	33+50	LT	115
16	-Y16-	10+20	11+50	LT	95
20	-Y13-	14+00	15+50	RT	105
20	-Y13-	12+50	14+00	LT	170
SUBTOTAL					3825
MISCELLANEOUS MATTING TO BE INSTALLED AS DIRECTED BY THE ENGINEER					26960
TOTAL					30785
SAY					31000

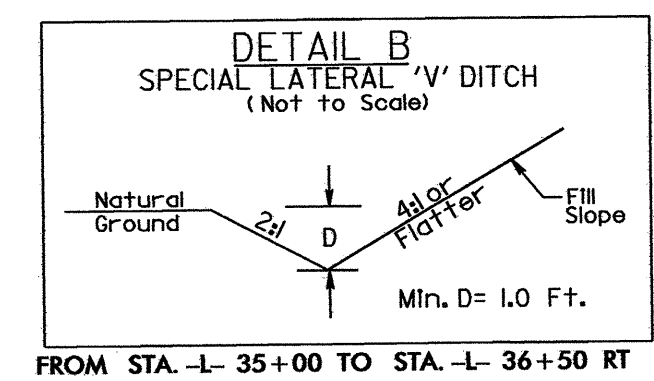
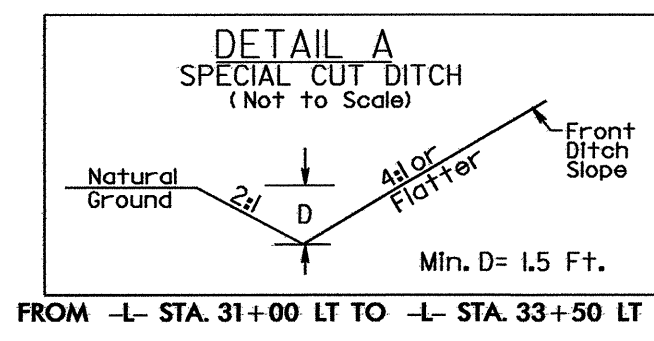
CONST SHEET NO.	LINE	FROM STATION	TO STATION	SIDE	ESTIMATE (SY)
5	-Y2-	14+00	14+50	RT	50
5	-Y2-	14+00	14+50	LT	50
6	-L-	47+05	49+75	RT	195
10	-Y7-	16+40	17+38	LT	70
10	-Y8-	10+50	13+80	LT	70
10	-Y8-	10+00	13+75	RT	265
13	-Y11-	11+00	13+00	RT	185
13	-Y11-	11+00	11+23	LT	20
13	-Y11-	12+32	13+00	LT	50
20	-Y13-	14+00	16+50	LT	285
SUBTOTAL					1240
ADDITIONAL PSRM TO BE INSTALLED					810
TOTAL					2050
SAY					2100



PROJECT REFERENCE NO.	SHEET NO.
R-3833A	EC-4/CONST.5
RW SHEET NO.	

NOTE: PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

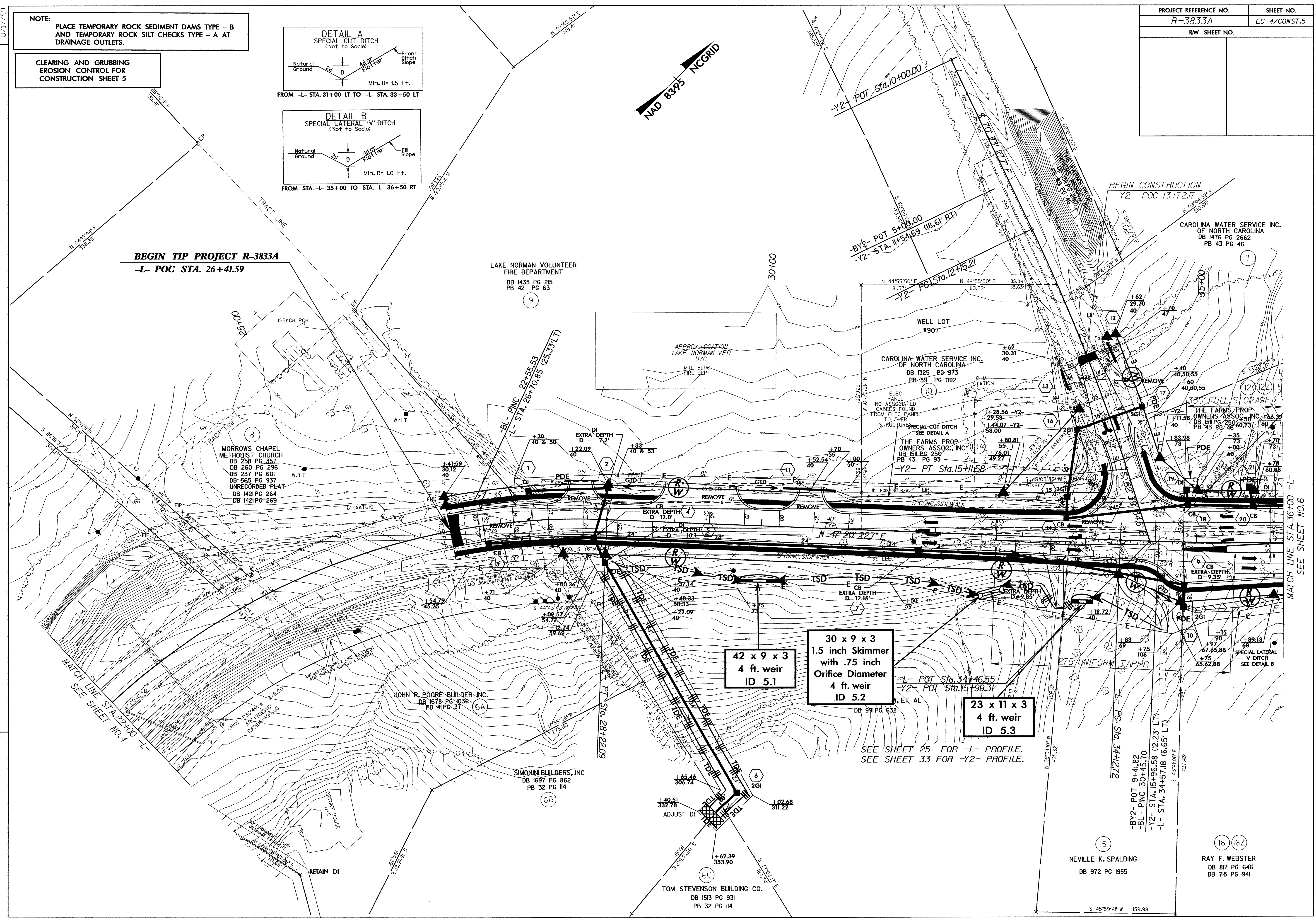
CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 5



REVISIONS  
 6/1/06 REVISED MEDIAN LEFT TURNS FROM STA. 22+00 TO 24+27 AND STA. 29+45 TO 36+00 AND ADDED U-TURN AT 34+85 RT  
 8/8/06 REVISED BEGINNING OF PROJECT TO STA. 26+46.80. REVISED DESIGN AND R/W FOR ENTIRE SHEET. REVISED OWNERS FOR PARCELS 4, 7, 10, 11 & 12.  
 12/2/06 REVISED PROPERTY LINES FOR PARCELS 6, 6A, 6B, 6C, 10, 10A, 10B, 11 & 12.  
 12/2/06 REVISED HORIZONTAL & VERTICAL ALIGNMENTS AND PRO. R/W AND EASEMENTS FOR THE ENTIRE SHEET TO PREVENT IMPACTS TO PARCEL 6A. ADDED SIDEWALKS.  
 5/30/07 REVISED HORIZONTAL & VERTICAL ALIGNMENTS FOR THE ENTIRE SHEET. REVISED R/W AND EASEMENTS FOR PARCELS 9, 10, 12, 13, 14, 5 & 6.

**BEGIN TIP PROJECT R-3833A**  
**-L- POC STA. 26+41.59**

**NAD 83/95 NCGRID**



MATCH LINE STA. 22+00 -L-  
 SEE SHEET NO. 4

MATCH LINE STA. 36+00 -L-  
 SEE SHEET NO. 6

42 x 9 x 3  
 4 ft. weir  
 ID 5.1

30 x 9 x 3  
 1.5 inch Skimmer  
 with .75 inch  
 Orifice Diameter  
 4 ft. weir  
 ID 5.2

23 x 11 x 3  
 4 ft. weir  
 ID 5.3

SEE SHEET 25 FOR -L- PROFILE.  
 SEE SHEET 33 FOR -Y2- PROFILE.

NEVILLE K. SPALDING  
 DB 972 PG 1955

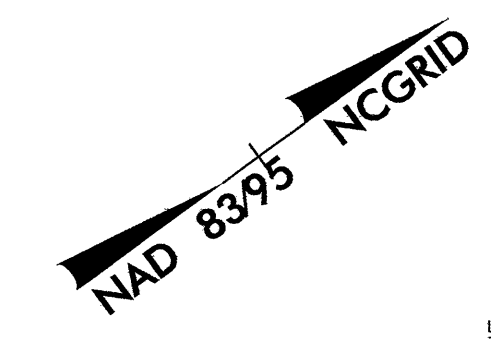
RAY F. WEBSTER  
 DB 817 PG 646  
 DB 715 PG 941



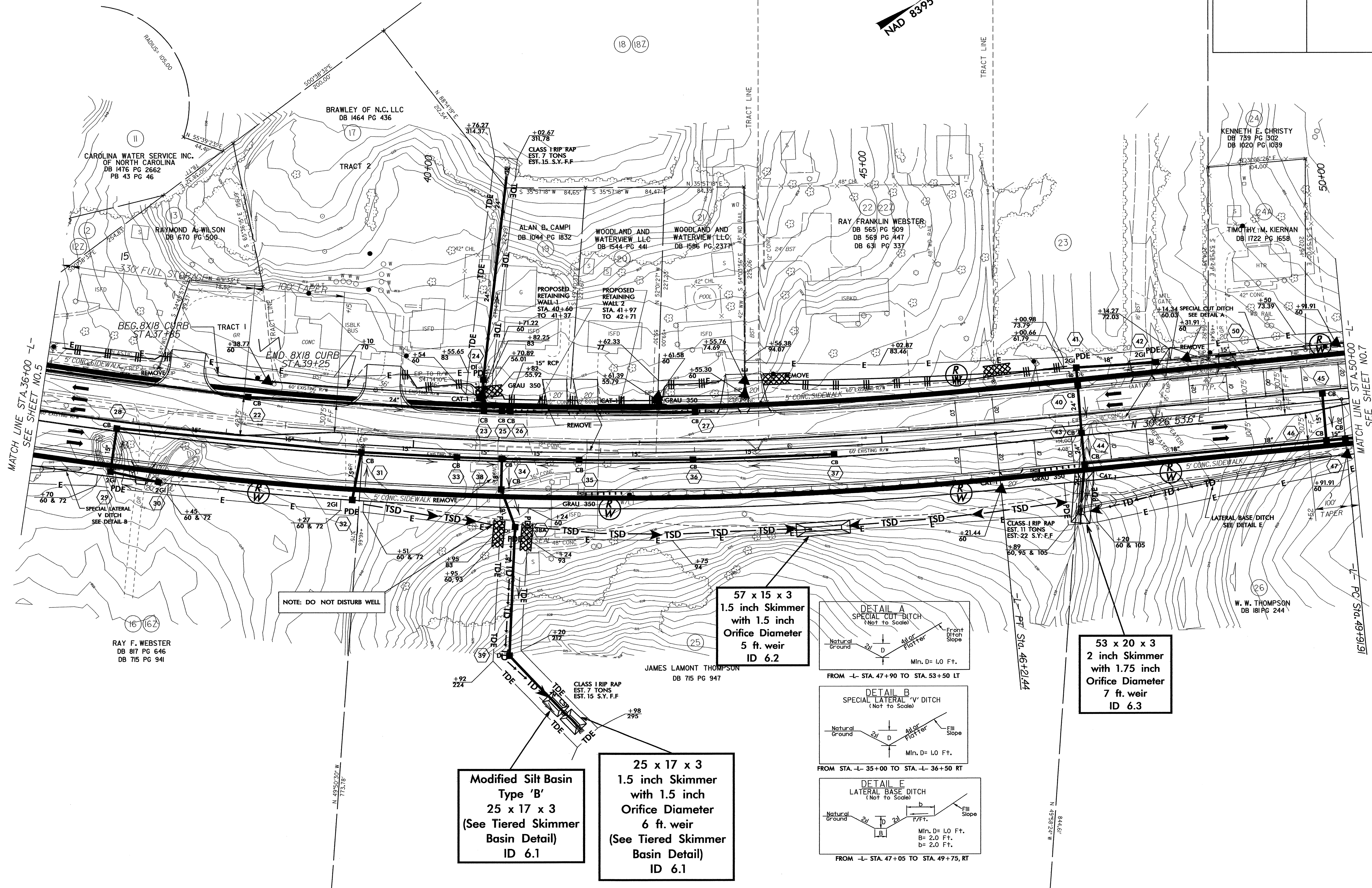
PROJECT REFERENCE NO. R-3833A	SHEET NO. EC-5/CONST.6
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NOTE: PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 6



REVISIONS  
 6/11/06 REVISED MEDIAN LEFT TURNS FROM STA. 36+00 TO 39+10 AND STA. 49+52 TO 50+00  
 8/8/06 REVISED OWNERS FOR PARCELS 11, 12 & 24. REVISED PROPERTY LINES FOR PARCELS 24 & 24A. ADDED WELL & NOTE "DO NOT DISTURB WELLHOUSE" TO PARCEL 25.  
 12/21/06 REVISED HORIZONTAL & VERTICAL ALIGNMENTS AND PRO. R/W AND EASEMENTS FOR THE ENTIRE SHEET TO PREVENT IMPACTS TO PARCEL 6A. ADDED SIDEWALKS.  
 5/30/07 REVISED HORIZONTAL & VERTICAL ALIGNMENTS, REVISED R/W AND EASEMENTS FOR PARCELS 12, 13, 15, 17, 19, 20, 21, 25 & 26.  
 8/08/07 ADDED RETAINING WALLS ALONG PARCELS 19 & 20. REVISED R/W AND EASEMENTS ON PARCELS 19, 20, & 21.  
 9/21/07 ADDED EX. WELL TO BE SEALED ON PARCEL 25.  
 3/26/08 ADDED 20' CURB CUT ON PARCEL 26 STA. 46+25 FT.



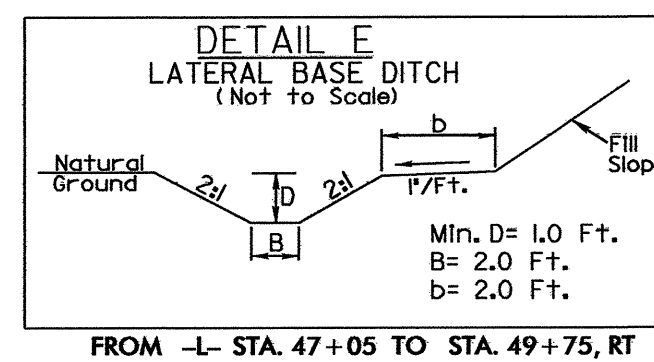
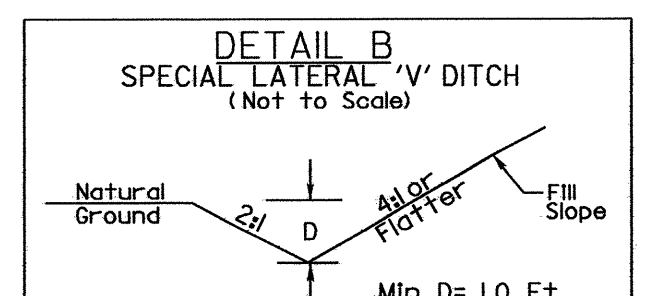
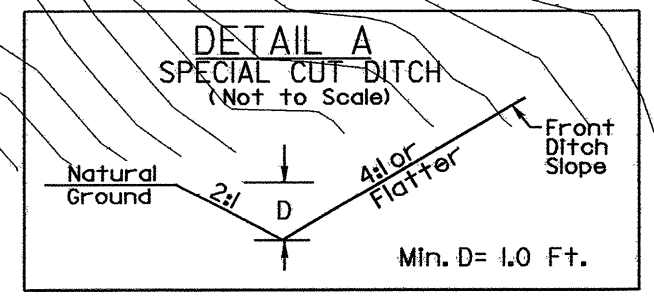
NOTE: DO NOT DISTURB WELL

**Modified Silt Basin Type 'B'**  
 25 x 17 x 3  
 (See Tiered Skimmer Basin Detail)  
 ID 6.1

**25 x 17 x 3**  
 1.5 inch Skimmer with 1.5 inch Orifice Diameter  
 6 ft. weir  
 (See Tiered Skimmer Basin Detail)  
 ID 6.1

**57 x 15 x 3**  
 1.5 inch Skimmer with 1.5 inch Orifice Diameter  
 5 ft. weir  
 ID 6.2

**53 x 20 x 3**  
 2 inch Skimmer with 1.75 inch Orifice Diameter  
 7 ft. weir  
 ID 6.3



MATCH LINE STA. 50+00 -L-  
 MATCH LINE STA. 46+25 FT. -L-  
 MATCH LINE STA. 49+19.91 -L-  
 MATCH LINE STA. 46+25 FT. -L-



PROJECT REFERENCE NO. R-3833A	SHEET NO. EC-6/CONST.7
RW SHEET NO.	
ROADWAY DESIGN ENGINEER TOUJA D. KHANG DB 1413 PG 1925	HYDRAULICS ENGINEER TOUJA D. KHANG DB 1413 PG 1925

CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 7

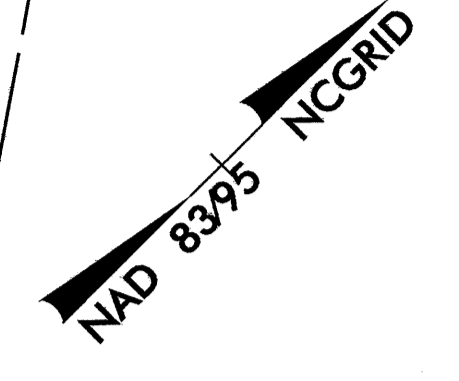
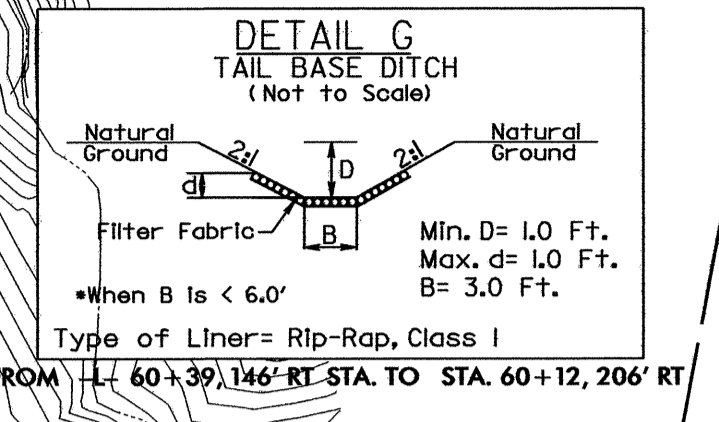
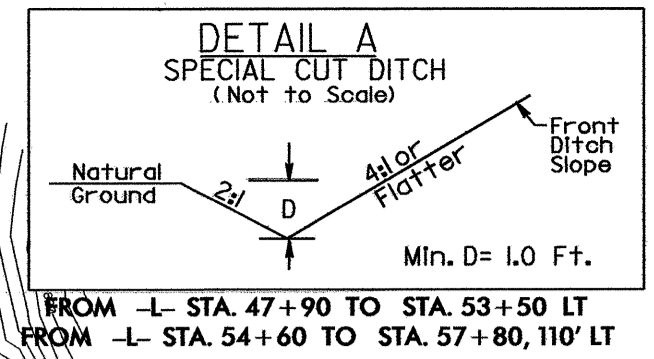
NOTE:  
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B  
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT  
DRAINAGE OUTLETS.

NOTE: DO NOT DISTURB EX. GATE

NOTE: DO NOT DISTURB WELL

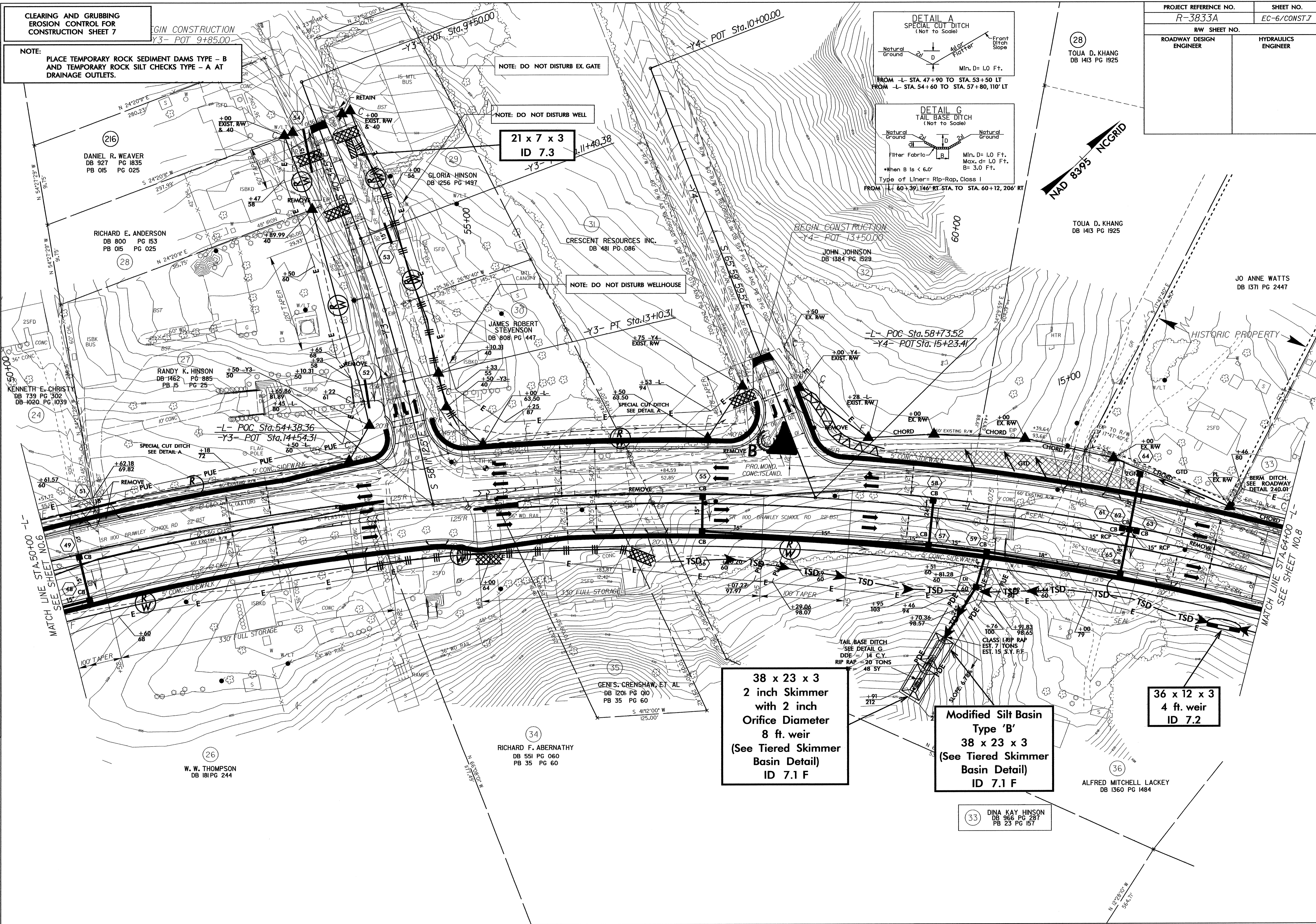
21 x 7 x 3  
ID 7.3

NOTE: DO NOT DISTURB WELLHOUSE



REVISIONS

6/1/06 REVISED MEDIAN LEFT TURNS FROM 50+00 TO 59+45 AND ADDED U-TURN AT STA. 54+90 RT - REVISED EASEMENT FOR PARCEL 20  
8/8/06 REVISED OWNER FOR PARCEL 36.  
12/18/06 ADDED PUE RIGHT OF STA. 58+25 AND STA. 60+80. ADDED NOTE 'DO NOT DISTURB WELL' -Y3- STA. 13+00 LT. REV. EASEMENT TO PDE STA. 60+50 RT. ADDED CURB CUTS AT STA. 54+40, 56+35, 60+70 & 62+80 RT. ADDED SIDEWALKS.  
9/21/07 ADDED EX. WELL TO BE SEALED ON PARCEL 36.  
11/07/07 REVISED EASEMENTS FOR PARCEL 27.  
3/26/08 REVISED EASEMENTS FOR PARCEL 27. ADDED DO NOT DISTURB EX. GATE NOTE TO PARCEL 29.



MATCH LINE STA. 50+00 -L-  
SEE SHEET NO. 6

MATCH LINE STA. 64+00 -L-  
SEE SHEET NO. 8

36 x 12 x 3  
4 ft. weir  
ID 7.2

38 x 23 x 3  
2 inch Skimmer  
with 2 inch  
Orifice Diameter  
8 ft. weir  
(See Tiered Skimmer  
Basin Detail)  
ID 7.1 F

Modified Silt Basin  
Type 'B'  
38 x 23 x 3  
(See Tiered Skimmer  
Basin Detail)  
ID 7.1 F

33 DINA KAY HINSON  
DB 966 PG 287  
PB 23 PG 157

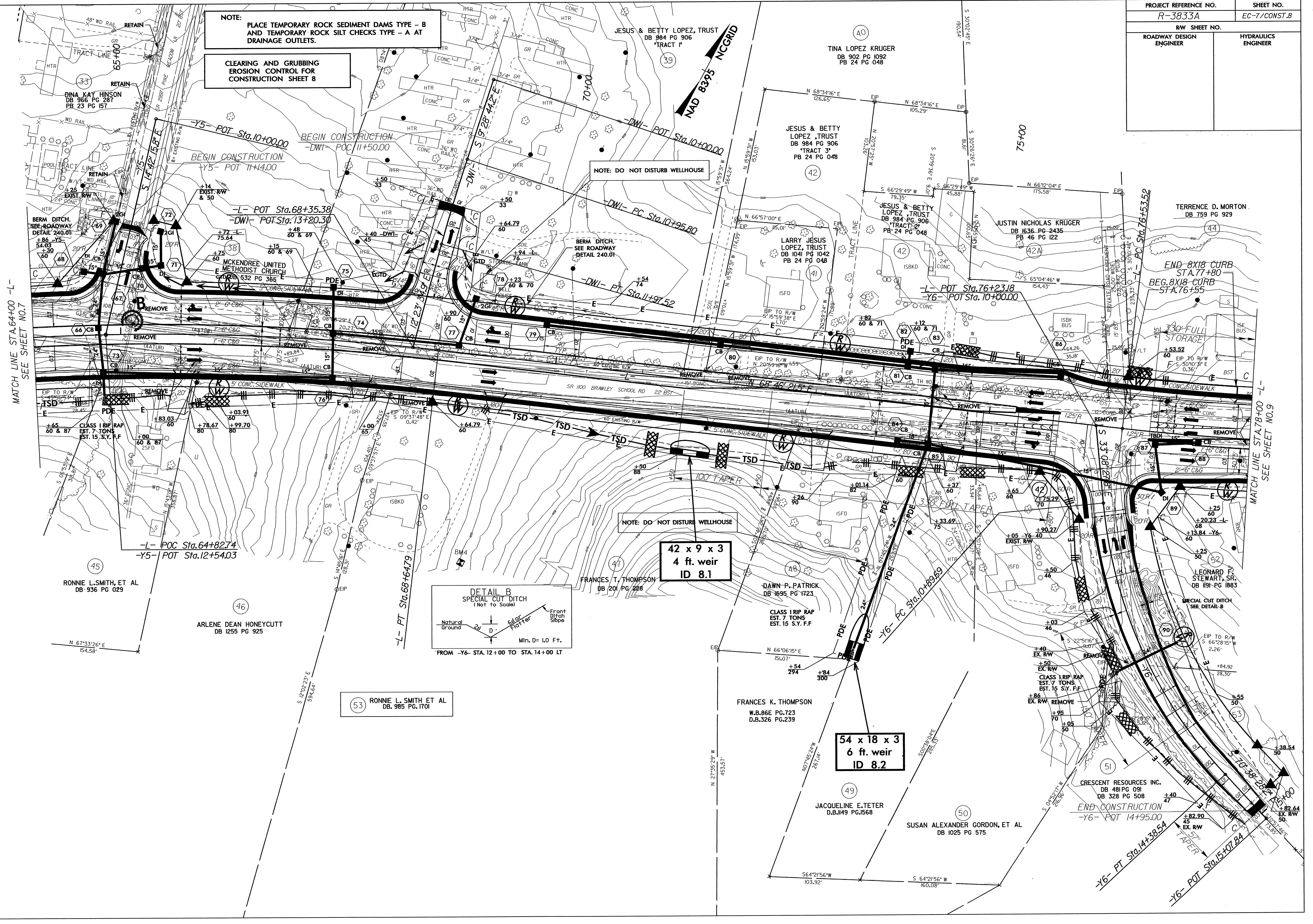


8/17/99

PROJECT REFERENCE NO. R-3833A		SHEET NO. EC-7/CONST.8	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	

REVISIONS

6/1/06 REVISED MEDIAN LEFT TURNS FROM STA. 71+50 TO 78+00 AND ADDED U-TURN AT STA. 75+75 LT  
 8/8/06 REVISED OWNER FOR PARCEL 48, REVISED PROPERTY LINES FOR PARCELS 42 & 42A, REVISED PARCEL NUMBER 43  
 12/18/06 ADDED PUE RIGHT OF STA. 65+90, REVISED PROPERTY OWNER FOR PARCEL 42A, REVISED EASEMENT TO PDE STA. 74+20 RT.  
 ADDED CURB CUT STA. 74+20 RT, ADDED SIDEWALKS.  
 3/15/07 REVISED PROPERTY LINES FOR PARCELS 42 & 42A.

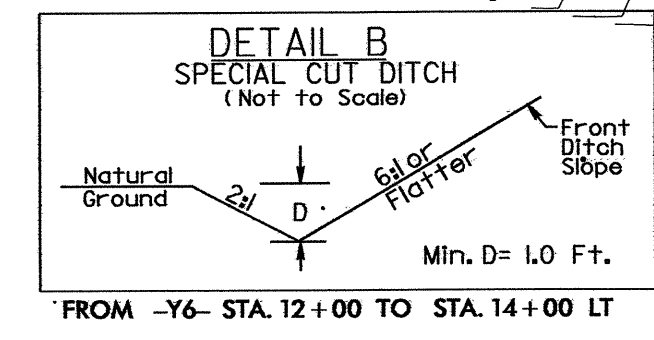


NOTE: PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 8

NOTE: DO NOT DISTURB WELLHOUSE

NOTE: DO NOT DISTURB WELLHOUSE



42 x 9 x 3  
4 ft. weir  
ID 8.1

54 x 18 x 3  
6 ft. weir  
ID 8.2

53 RONNIE L. SMITH ET AL  
DB. 985 PG. 1701

MATCH LINE STA. 64+00 -L-  
SEE SHEET NO. 7

MATCH LINE STA. 78+00 -L-  
SEE SHEET NO. 9



PROJECT REFERENCE NO.	SHEET NO.
R-3833A	EC-8/CONST.9
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

8/17/99

**REVISIONS**  
 6/1/06 REVISED MEDIAN LEFT TURNS FROM STA. 78+00 TO 81+5 AND STA. 86+13 TO 87+13  
 8/8/06 ADDED OWNER TO PARCEL 54, ADDED EX. S.F. ABAND. BLDG. TO PARCEL 60.  
 12/18/06 REVISED TO PDE STA. 82+00 LT. ADDED CURB CUT STA. 84+50 RT. ADDED SIDEWALKS.  
 3/15/07 ADDED CONTIGUOUS OWNER SYMBOL TO PARCEL 56.

**NOTE:**  
 PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

**CLEARING AND GRUBBING  
 EROSION CONTROL FOR  
 CONSTRUCTION SHEET 9**

44 TERRENCE D. MORTON  
 DB 759 PG 929

DONNIE LEWIS ALEXANDER  
 DB 1081 PG 182  
 WB 98E PG 207  
 PB 3 PG 154

GREGORY C. BOSTIC  
 DB 985 PG 1533  
 PB 3 PG 154

CRESENT RESOURCES, INC.  
 DB 481 PG 091  
 DB 378 PG 469  
 LOT #26  
 PB 3 PG 154  
 PB 47 PG 1

CRESENT RESOURCES, INC.  
 DB 481 PG 091  
 DB 378 PG 469  
 LOT #25  
 PB 3 PG 154

ROSS GENE ADAMS

ROSS GENE ADAMS  
 DB 719 PG 432  
 DB 735 PG 868  
 DB 791 PG 484  
 PB 3 PG 154

JEAN THOMPSON THOMAS  
 DB 621 PG 495  
 PB 3 PG 154

HARRY WAYNE THOMPSON  
 DB 536 PG 296  
 DB 621 PG 499  
 PB 3 PG 154

PAUL CALLAWAY, ET. AL.  
 DB 1229 PG 1945  
 DB 1213 PG 2050

PAUL CALLAWAY, ET. AL.  
 DB 1261 PG 891  
 DB 1261 PG 904

SARAH GRACE WHITE  
 DB 830 PG 406

LEONARD F. STEWART, SR.  
 DB 1191 PG 1883

RONNIE L. SMITH ET AL.  
 DB 985 PG 1701

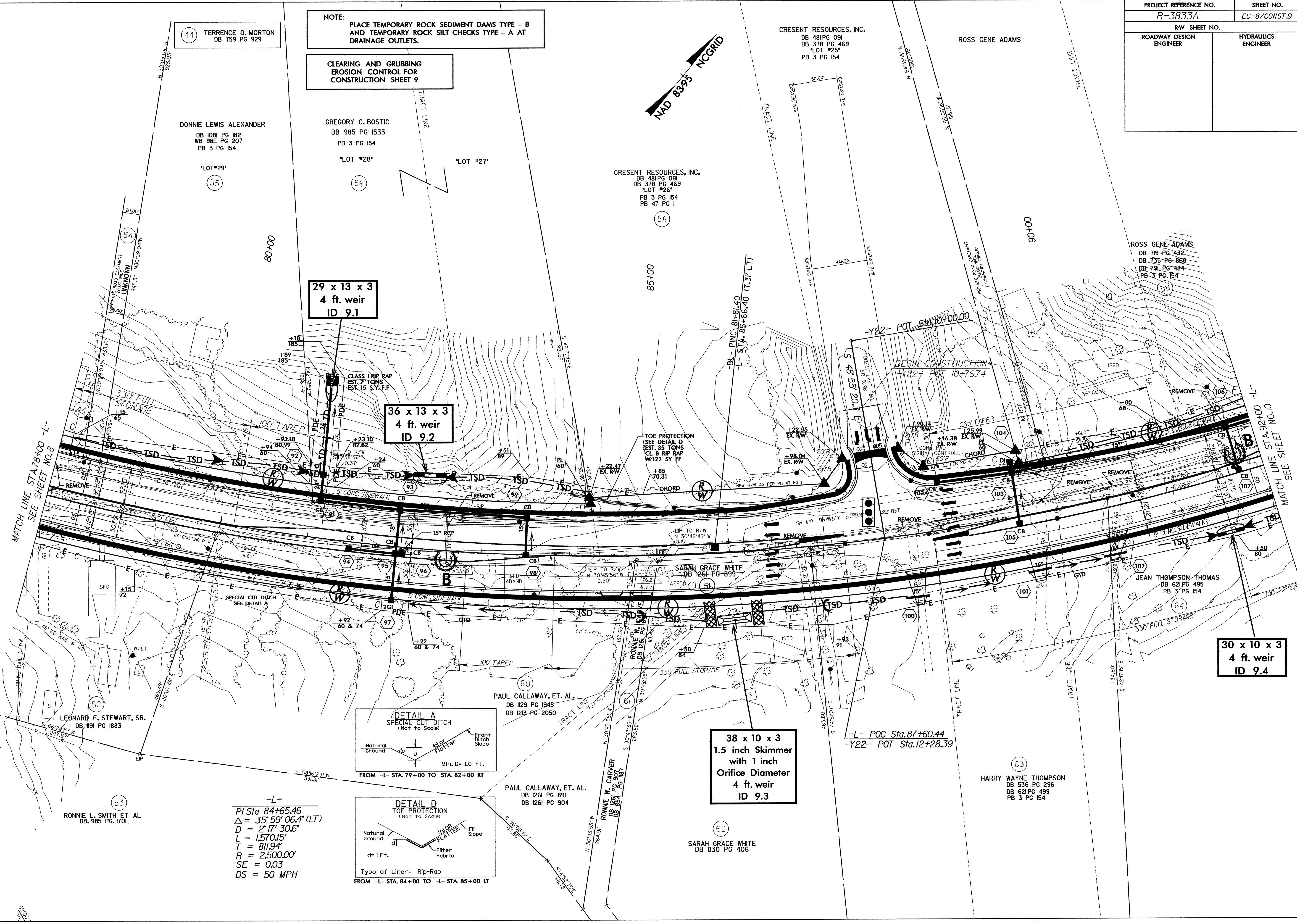
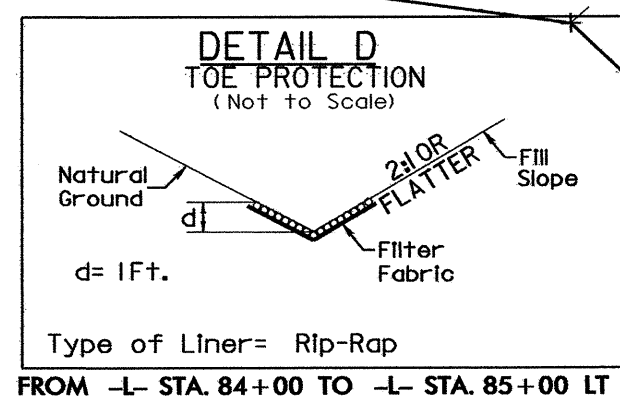
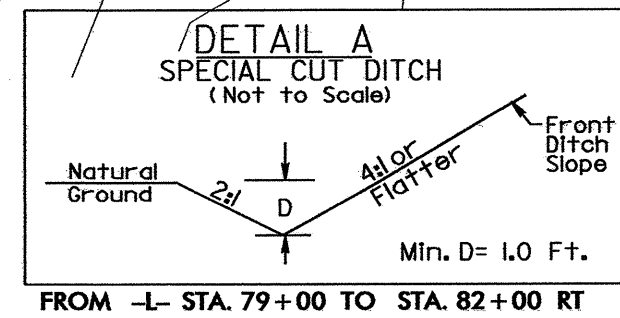
-L-  
 PI Sta 84+65.46  
 $\Delta = 35^{\circ} 59' 06.4''$  (LT)  
 $D = 2' 17' 30.6''$   
 $L = 1570.15'$   
 $T = 811.94'$   
 $R = 2500.00'$   
 $SE = 0.03$   
 $DS = 50$  MPH

29 x 13 x 3  
 4 ft. weir  
 ID 9.1

36 x 13 x 3  
 4 ft. weir  
 ID 9.2

38 x 10 x 3  
 1.5 inch Skimmer  
 with 1 inch  
 Orifice Diameter  
 4 ft. weir  
 ID 9.3

30 x 10 x 3  
 4 ft. weir  
 ID 9.4



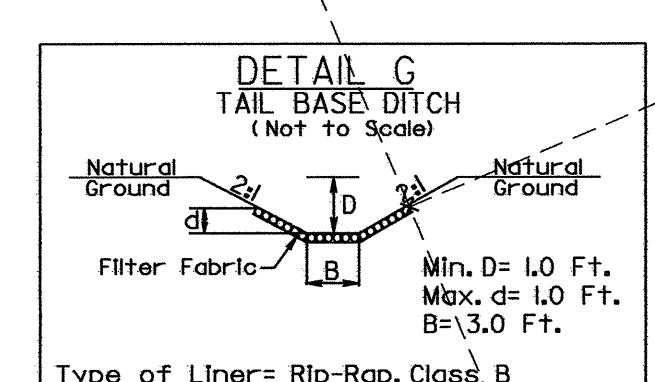
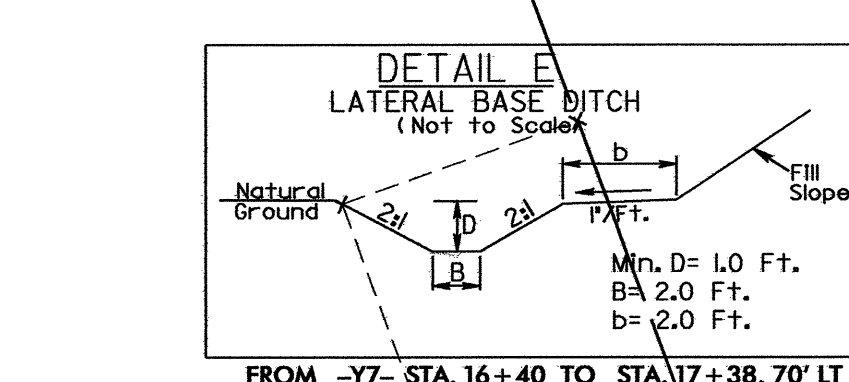


PROJECT REFERENCE NO.	SHEET NO.
R-3833A	EC-9/CONST.10
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NOTE:  
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 10

REVISIONS  
6/1/06 REVISED MEDIAN LEFT TURNS FROM 96+70 TO 106+00 AND ADDED U-TURN AT 102+05 RT  
8/8/06 REVISED OWNER-ADDED WELL & NOTE 'SEAL TO PARCEL 76. REVISED OWNERS FOR PARCELS 75 & 76.  
12/18/06 ADDED PROPERTY OWNER DATA TO PARCEL 77. ADDED CURB CUT STA. 99+30 RT. ADDED SIDEWALKS.  
5/18/07 ADDED TDE TO PARCEL 59.  
9/21/07 ADDED EX.WELL TO BE SEALED ON PARCEL 74.  
3/26/08 ADDED 20' CURB CUT ON PARCEL 73.



**21 x 21 x 3**  
**3 inch Skimmer**  
**with 2.75 inch**  
**Orifice Diameter**  
**7 ft. weir**  
(See Tiered Skimmer  
Basin Detail)  
**ID 10.1 F**

**Modified Silt Basin**  
**Type 'B'**  
**21 x 21 x 3**  
(See Tiered Skimmer  
Basin Detail)  
**ID 10.1 F**

**Modified Silt Basin**  
**Type 'B'**  
**26 x 22 x 3**  
(See Tiered Skimmer  
Basin Detail)  
**ID 10.4**

**24 x 11 x 3**  
**4 ft. weir**  
**ID 10.1**

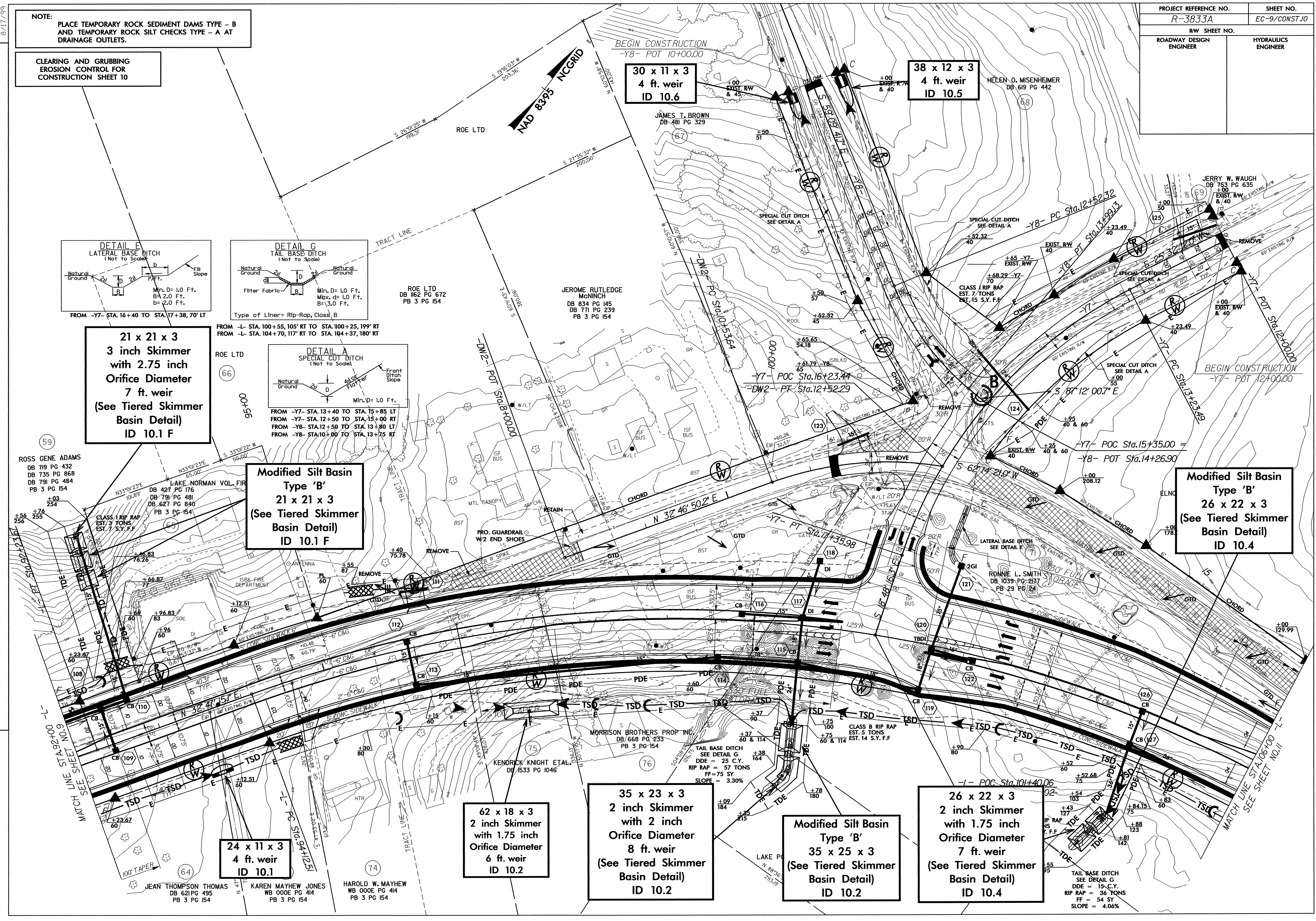
**62 x 18 x 3**  
**2 inch Skimmer**  
**with 1.75 inch**  
**Orifice Diameter**  
**6 ft. weir**  
**ID 10.2**

**35 x 23 x 3**  
**2 inch Skimmer**  
**with 2 inch**  
**Orifice Diameter**  
**8 ft. weir**  
(See Tiered Skimmer  
Basin Detail)  
**ID 10.2**

**Modified Silt Basin**  
**Type 'B'**  
**35 x 25 x 3**  
(See Tiered Skimmer  
Basin Detail)  
**ID 10.2**

**26 x 22 x 3**  
**2 inch Skimmer**  
**with 1.75 inch**  
**Orifice Diameter**  
**7 ft. weir**  
(See Tiered Skimmer  
Basin Detail)  
**ID 10.4**

TAIL BASE DITCH  
SEE DETAIL G  
DDE = 15-C.Y.  
RIP RAP = 36 TONS  
FF = 54 SY  
SLOPE = 4.06%



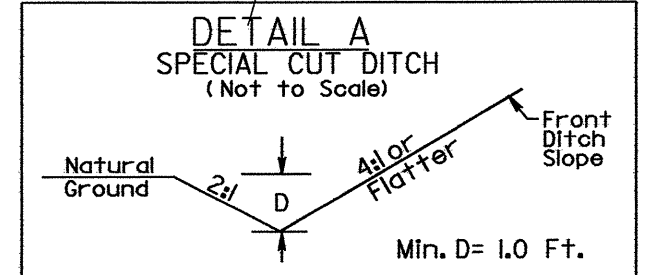
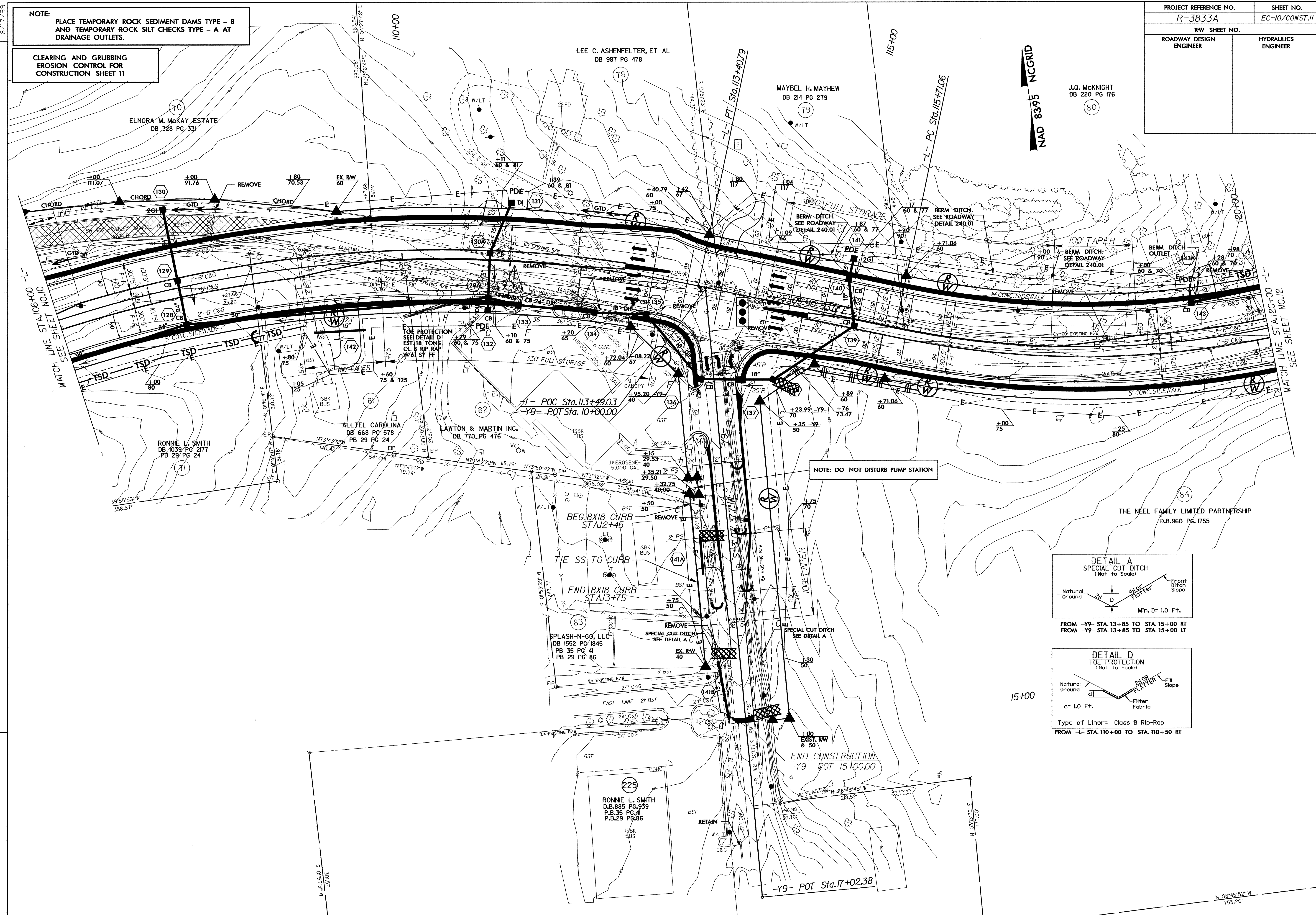


PROJECT REFERENCE NO. R-3833A		SHEET NO. EC-10/CONST.II	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	

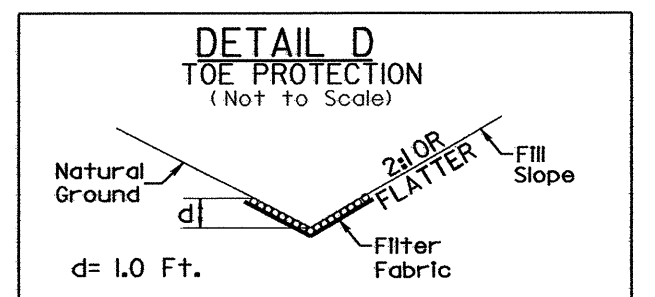
NOTE:  
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 11

REVISIONS  
6/1/06 REVISED MEDIAN LEFT TURNS FROM STA.108+75 TO 118+50 AND ADDED U-TURN AT STA.113+00 LT - REVISED EASEMENT FOR PARCEL 66  
8/8/06 REVISED OWNER FOR PARCEL 81. REVISED R/W & ADDED NOTE "DO NOT DISTURB PUMP STATION" ON PARCEL 82.  
12/18/06 ADDED SIDEWALKS.



FROM -Y9- STA. 13+85 TO STA. 15+00 RT  
FROM -Y9- STA. 13+85 TO STA. 15+00 LT



Type of Liner= Class B Rip-Rap  
FROM -L- STA. 110+00 TO STA. 110+50 RT

15+00

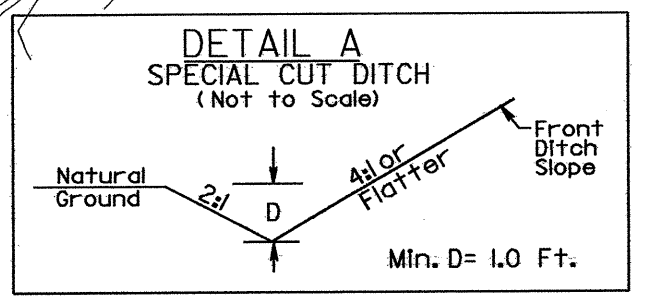
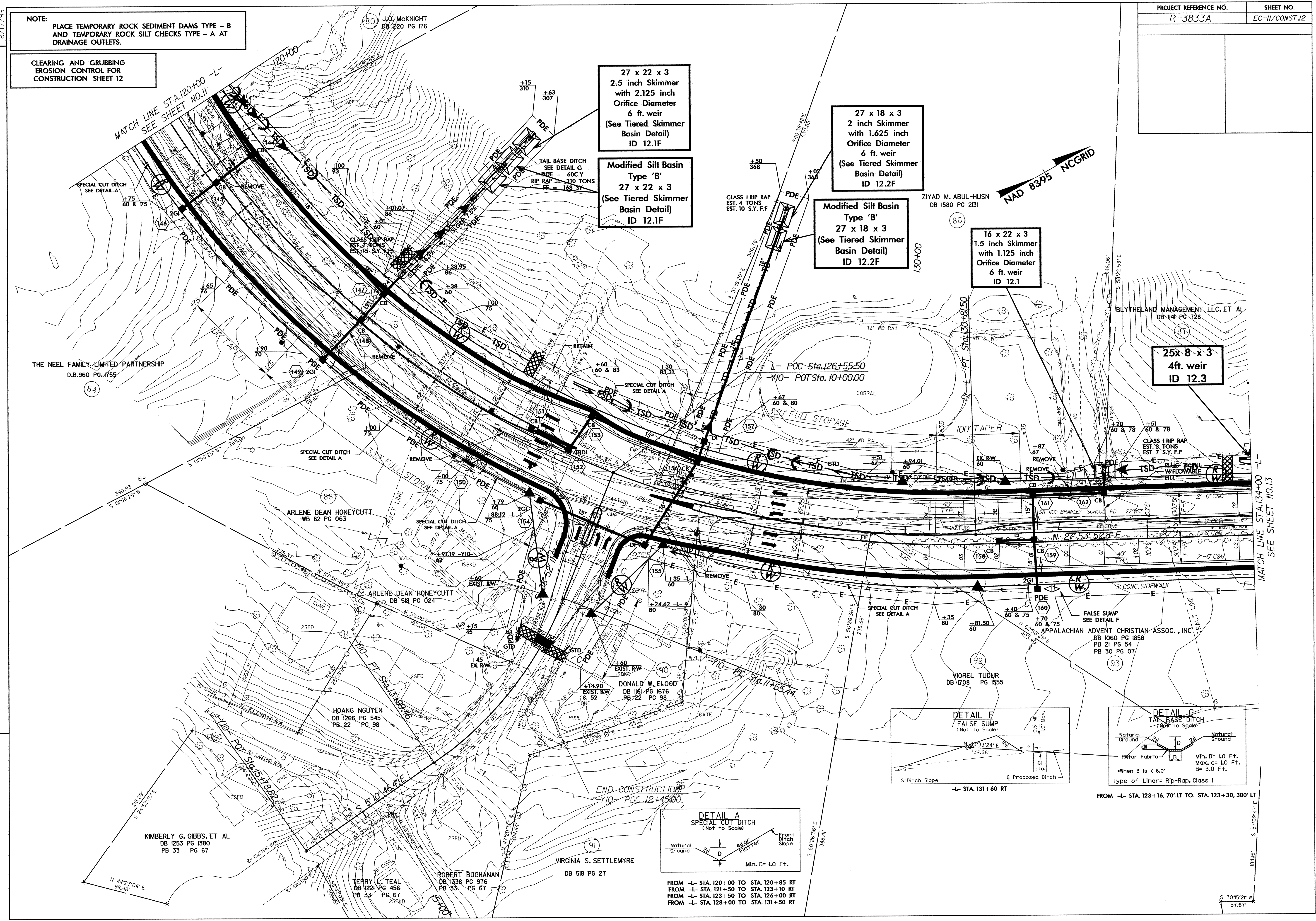
N 88°45'52" W  
755.26'



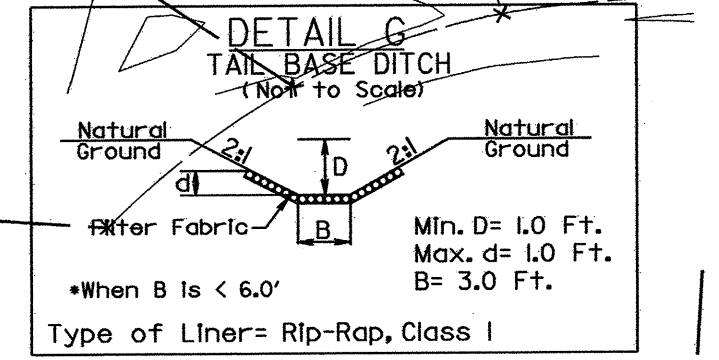
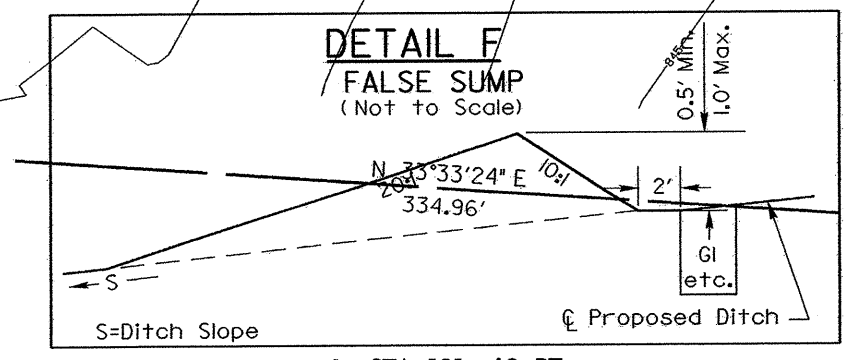
NOTE:  
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B  
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT  
DRAINAGE OUTLETS.

CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 12

REVISIONS  
6/1/06 REVISED MEDIAN LEFT TURNS FROM STA.121+75 TO 131+31 AND ADDED U-TURN AT STA.126+05 LT  
8/18/06 REVISED OWNER FOR PARCEL 92.  
12/18/06 REVISED OWNER TO PDE STA.123+00 & 127+30 LT ADDED SIDEWALKS.  
3/15/07 ADDED CONTIGUOUS OWNER SYMBOL TO PARCEL 88.  
3/26/08 REVISED EASEMENT STA/OFFSETS FOR PARCEL 85.



FROM -L- STA. 120+00 TO STA. 120+85 RT  
FROM -L- STA. 121+50 TO STA. 123+10 RT  
FROM -L- STA. 123+50 TO STA. 126+00 RT  
FROM -L- STA. 128+00 TO STA. 131+50 RT



FROM -L- STA. 123+16, 70' LT TO STA. 123+30, 300' LT

MATCH LINE STA. 134+00 -L-  
SEE SHEET NO. 13

MATCH LINE STA. 120+00 -L-  
SEE SHEET NO. 11

NAD 83/95 NCGRID

S 30°15'21\"/>



PROJECT REFERENCE NO. R-3833A	SHEET NO. EC-12/CONST.13
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NOTE:  
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 13

SMC PROPERTIES, LLC  
DB 1052 PG 1259  
PB 27 PG 113

KAMCO, INC.  
DB 701 PG 565  
DB 764 PG 294  
PB 23 PG 178

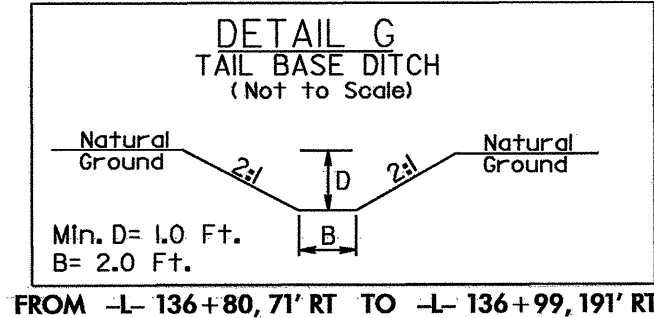
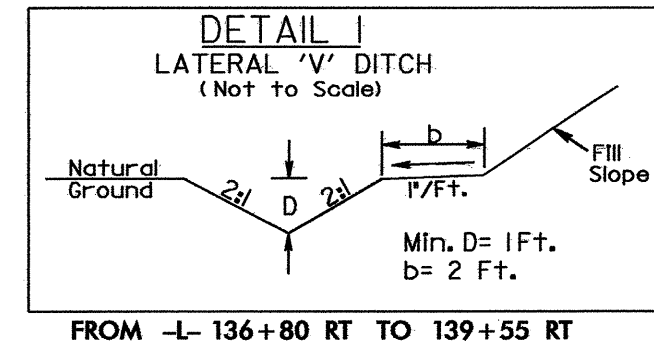
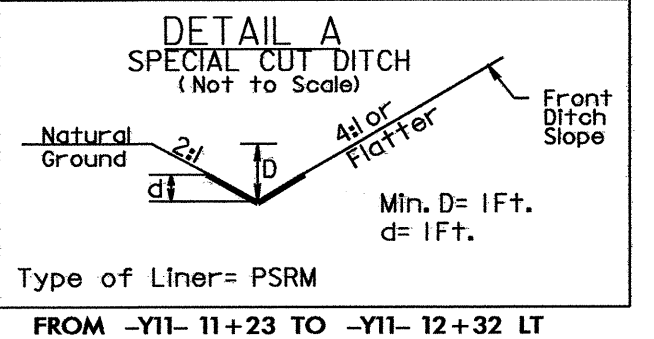
40 x 8 x 3  
1.5 inch Skimmer  
with 0.875 inch  
Orifice Diameter  
4 ft. weir  
ID 13.2

25x 8 x 3  
4ft. weir  
ID 12.3

65 x 22 x 3  
2 inch Skimmer  
with 1.875 inch  
Orifice Diameter  
7 ft. weir  
ID 13.1F

43 x 14 x 3  
2 inch Skimmer  
with 1.75 inch  
Orifice Diameter  
7 ft. weir  
(See Tiered Skimmer  
Basin Detail)  
ID 13.1

Modified Silt Basin  
Type 'B'  
43 x 14 x 3  
(See Tiered Skimmer  
Basin Detail)  
ID 13.1



APPALACHIAN ADVENT CHRISTIAN ASSOC., INC  
DB 1060 PG 1859  
PB 21 PG 54  
PB 30 PG 07

NAD 83/95 NCGRID

NOTE: DO NOT DISTURB TREE

REVISIONS  
6/1/31 REVISED MEDIAN LEFT TURNS FROM STA. 138+00 TO 147+60 AND ADDED U-TURN AT STA. 142+30 LT  
12/18/06 ADDED NOTE "DO NOT DISTURB TREE" AT STA. 146+15 LT. ADDED SIDEWALKS.  
3/15/07 REVISED OWNER FOR PARCEL 97. ADDED CONTIGUOUS OWNER SYMBOL TO PARCELS 97 & 98.

8.17.99



8/17/99

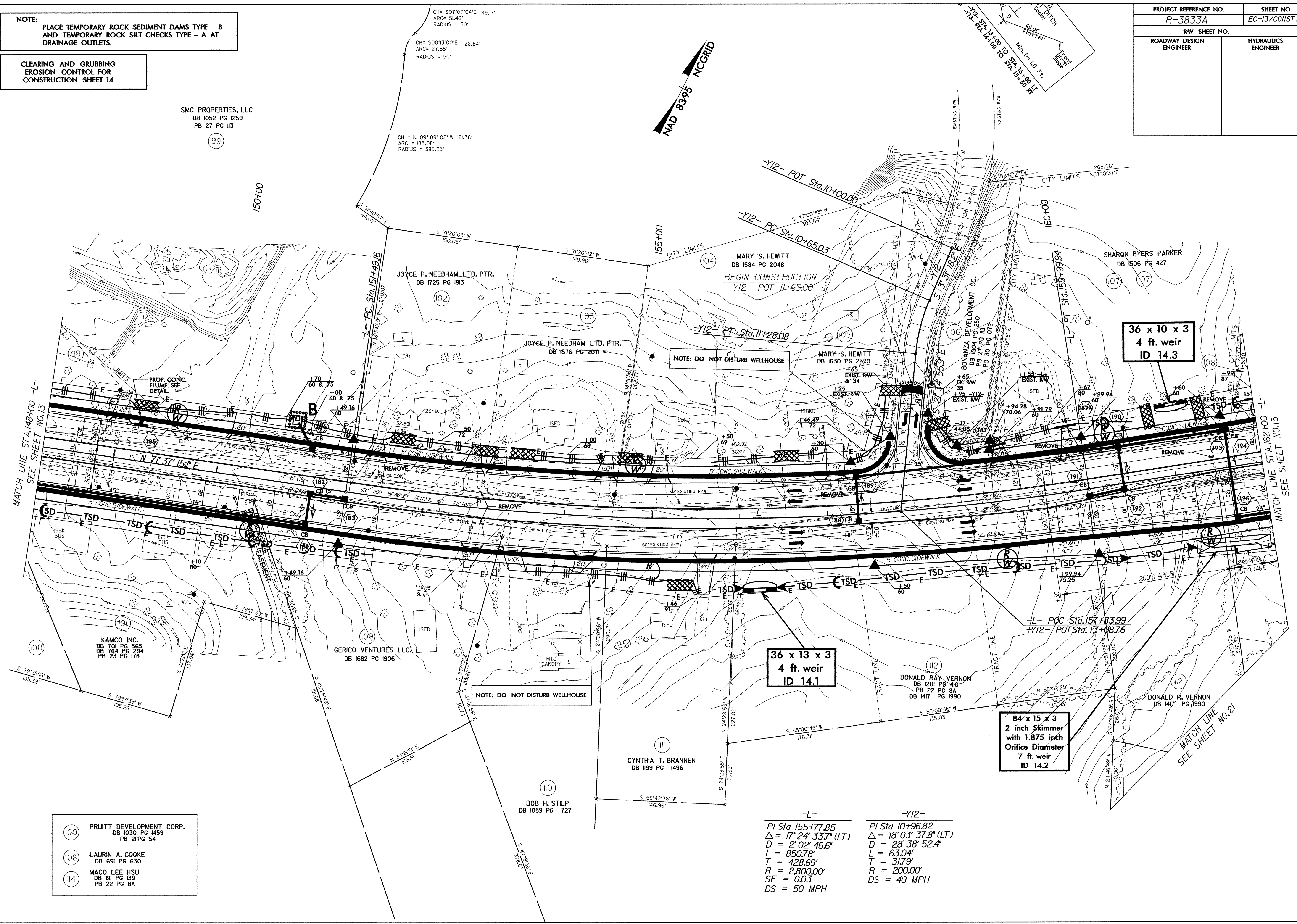
NOTE: PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 14

PROJECT REFERENCE NO. R-3833A		SHEET NO. EC-13/CONST.14	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	

REVISIONS

8/8/06 REVISED OWNERS FOR PARCELS 109 & 112. REVISED PROPERTY LINES FOR PARCEL 101.  
 12/18/06 REVISED PROPERTY OWNER AND LINES FOR PARCEL 109. ADDED CURB CUTS AT STA. 148+50 & 150+35. RT-ADDED SIDEWALKS.  
 3/15/07 REVISED DEED BOOK DATA & EASEMENT LINES FOR PARCEL 101. REV. DEED BOOK DATA FOR PARCEL 112. ADDED CONTIGUOUS OWNER SYMBOL TO PARCEL 112.



- (100) PRUITT DEVELOPMENT CORP.  
DB 1030 PG 1459  
PB 21 PG 54
- (108) LAURIN A. COOKE  
DB 691 PG 630
- (114) MACO LEE HSU  
DB 811 PG 139  
PB 22 PG 8A

-L-	-Y12-
PI Sta 155+77.85	PI Sta 10+96.82
$\Delta = 17' 24" 33.7" (LT)$	$\Delta = 18' 03" 37.8" (LT)$
$D = 2' 02" 46.6"$	$D = 28' 38" 52.4"$
$L = 850.78'$	$L = 63.04'$
$T = 428.69'$	$T = 31.79'$
$R = 2,800.00'$	$R = 200.00'$
$SE = 0.03$	$DS = 40 MPH$
$DS = 50 MPH$	

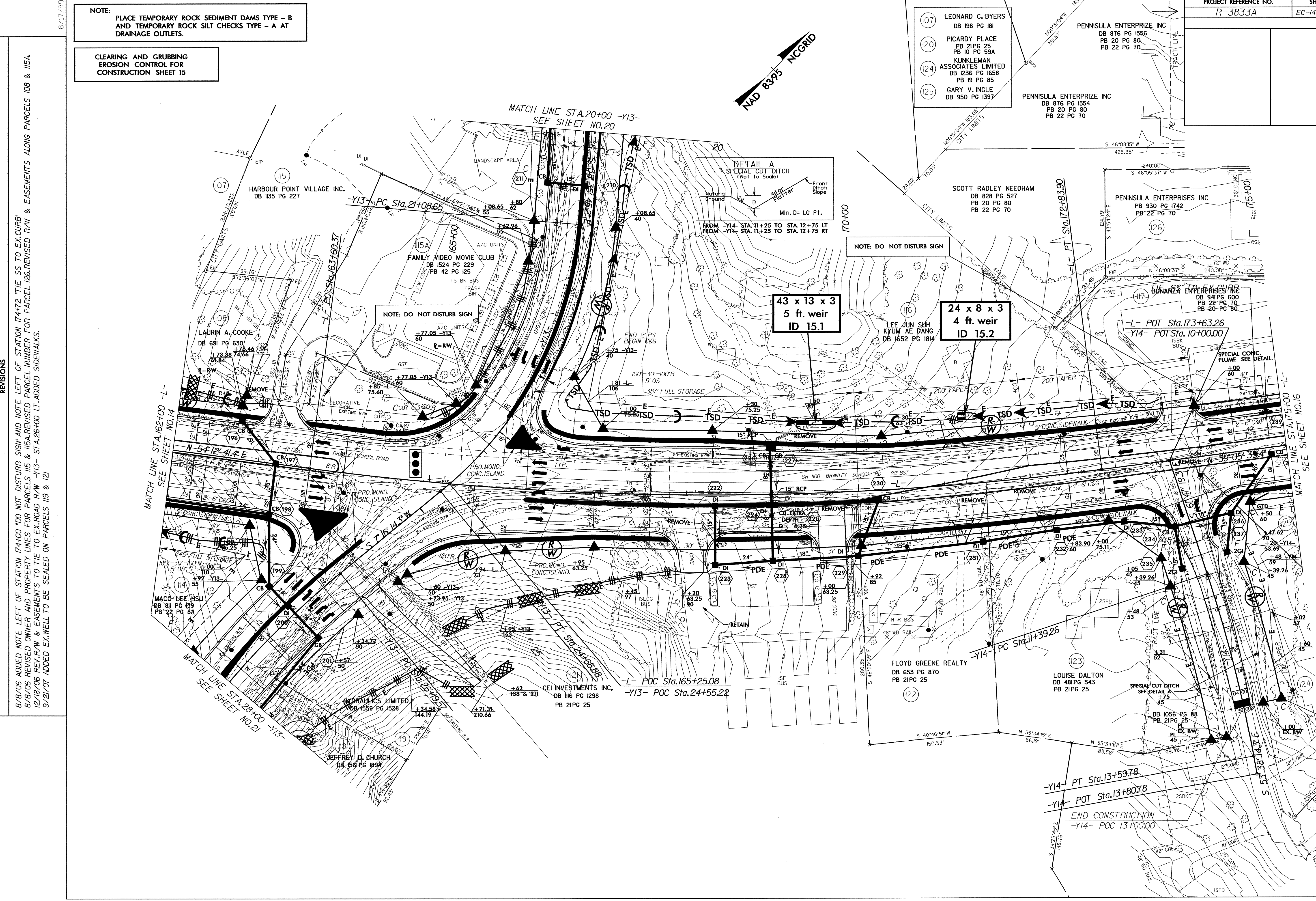


NOTE:  
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B  
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT  
DRAINAGE OUTLETS.

CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 15

- (107) LEONARD C. BYERS  
DB 198 PG 181
- (120) PICARDY PLACE  
PB 21 PG 25  
PB 10 PG 83A
- (124) KUNZEMAN  
ASSOCIATES LIMITED  
DB 1236 PG 1658  
PB 19 PG 85
- (125) GARY V. INGLE  
DB 950 PG 1397

- PENINSULA ENTERPRIZE INC  
DB 876 PG 1566  
PB 20 PG 80  
PB 22 PG 70
- PENINSULA ENTERPRIZE INC  
DB 876 PG 1554  
PB 20 PG 80  
PB 22 PG 70
- SCOTT RADLEY NEEDHAM  
DB 828 PG 527  
PB 20 PG 90  
PB 22 PG 70
- PENINSULA ENTERPRISES INC  
PB 930 PG 1742  
PB 22 PG 70
- BURANZA ENTERPRISES INC  
DB 941 PG 600  
PB 22 PG 70  
PB 20 PG 80
- LEE JUN SUH  
KYUM AE DANG  
DB 1652 PG 1814
- FLOYD GREENE REALTY  
DB 653 PG 870  
PB 21 PG 25
- LOUISE DALTON  
DB 481 PG 543  
PB 21 PG 25



REVISIONS  
 8/17/99  
 8/8/06 ADDED NOTE LEFT OF STATION 174+72 TIE TO EX. CURB  
 8/8/06 REVISED OWNER AND PROPERTY LINES FOR PARCELS 115 & 115A-REVISED PARCEL NUMBER FOR PARCEL 126-REVISED R/W & EASEMENTS ALONG PARCELS 108 & 115A  
 12/18/06 REV. R/W & EASEMENTS TO TIE TO EX. ROAD R/W -Y13- STA. 26+00 LT. ADDED SIDEWALKS.  
 9/21/07 ADDED EX. WELL TO BE SEALED ON PARCELS 119 & 121

MATCH LINE STA. 15+00 -L- SEE SHEET NO. 16

MATCH LINE STA. 162+00 -L- SEE SHEET NO. 14

MATCH LINE STA. 28+00 -Y13- SEE SHEET NO. 21

-Y14- PT Sta. 13+59.78  
 -Y14- POT Sta. 13+80.78  
 END CONSTRUCTION  
 -Y14- POC 13+00.00



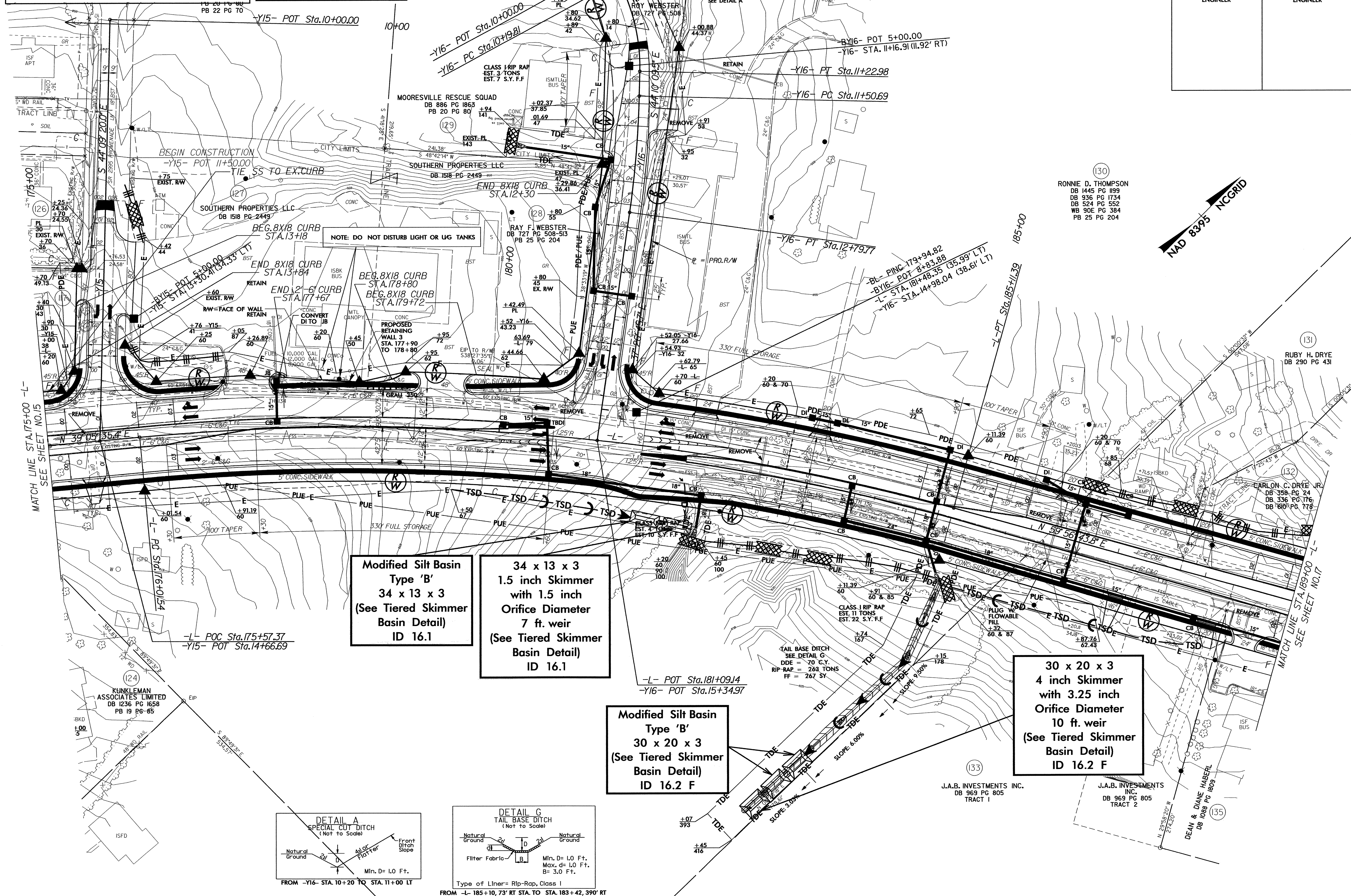
PROJECT REFERENCE NO.	SHEET NO.
R-3833A	EC-15/CONST.16
RW SHEET NO.	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER	

**NOTE:**  
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

**CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 16**

**BEGIN CONSTRUCTION**  
-Y16- POC 10+10  
S 73° 43' 26.0" E

REVISIONS  
 6/1/06 REVISED MEDIAN LEFT TURN FROM STA.176+30 TO 185+90 AND ADDED U-TURN AT STA.181+65 RT AND EASEMENT'S REMOVED PARCEL NUMBER 134.  
 8/8/06 ADDED NOTE LEFT OF STATION 175+07 TIE SS TO EX-CURB-REVISED OWNERS FOR PARCELS 127 & 128. ADDED RETAINING WALL ON PARCEL 127 AND REVISED R/W AND EASEMENT'S FOR PARCEL 130.  
 12/18/06 ADDED PUE RIGHT OF STA.176+91.9 TO 186+87.76. REV. R/W LABEL FOR -Y16- STA.14+50 LT. ADDED SIDEWALKS.  
 3/15/07 REVISED DEED BOOK DATA FOR PARCEL 130. REVISED PROPERTY LINES FOR PARCELS 128 & 130. ADDED CONTIGUOUS OWNER SYMBOL TO PARCELS 127 & 133.  
 9/05/07 REVISED R/W AND EASEMENT'S FOR PARCELS 126, 128 & 129. REMOVED SPECIAL DITCH AND DRAINAGE SYSTEM FROM PARCEL 126.  
 9/21/07 ADDED EX-WELL TO BE SEALED ON PARCEL 127.  
 11/07/07 REVISED EASEMENT'S FOR PARCEL 128  
 3/26/08 REVISED PRO.R/W AND EASEMENT'S FOR -Y16- ON PARCELS 128 & 129.



MATCH LINE STA.175+00 -L-  
 SEE SHEET NO.15

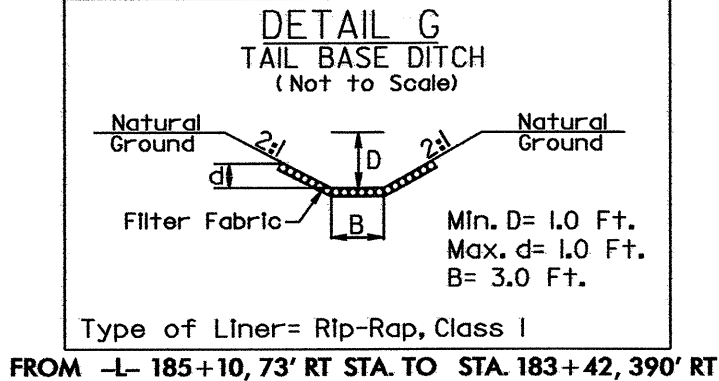
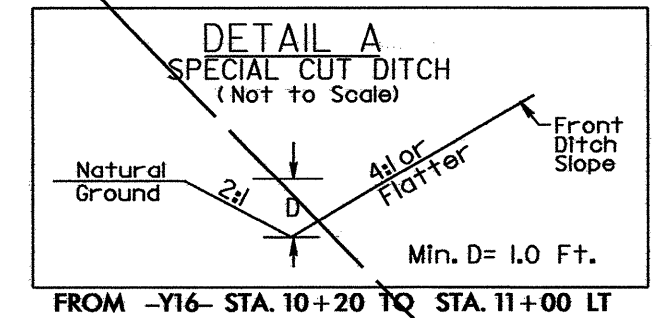
MATCH LINE STA.189+00 -L-  
 SEE SHEET NO.17

**Modified Silt Basin Type 'B'**  
34 x 13 x 3  
(See Tiered Skimmer Basin Detail)  
ID 16.1

**34 x 13 x 3**  
1.5 inch Skimmer with 1.5 inch Orifice Diameter  
7 ft. weir  
(See Tiered Skimmer Basin Detail)  
ID 16.1

**Modified Silt Basin Type 'B'**  
30 x 20 x 3  
(See Tiered Skimmer Basin Detail)  
ID 16.2 F

**30 x 20 x 3**  
4 inch Skimmer with 3.25 inch Orifice Diameter  
10 ft. weir  
(See Tiered Skimmer Basin Detail)  
ID 16.2 F



(130)  
RONNIE D. THOMPSON  
DB 1445 PG 1199  
DB 936 PG 1734  
DB 524 PG 552  
WB 90E PG 384  
PB 25 PG 204

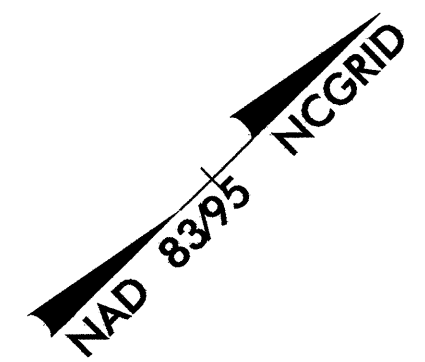
(131)  
RUBY H. DRYE  
DB 290 PG 431

(132)  
CARLON C. DRYE JR.  
DB 358 PG 24  
DB 336 PG 176  
DB 800 PG 178

(133)  
J.A.B. INVESTMENTS INC.  
DB 969 PG 805  
TRACT 1

J.A.B. INVESTMENTS INC.  
DB 969 PG 805  
TRACT 2

DEAN & DIANE HABERL  
DB 1088 PG 1809





PROJECT REFERENCE NO.	SHEET NO.
R-3833A	EC-16/CONST.17
RW SHEET NO.	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER	

NOTE: PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 17

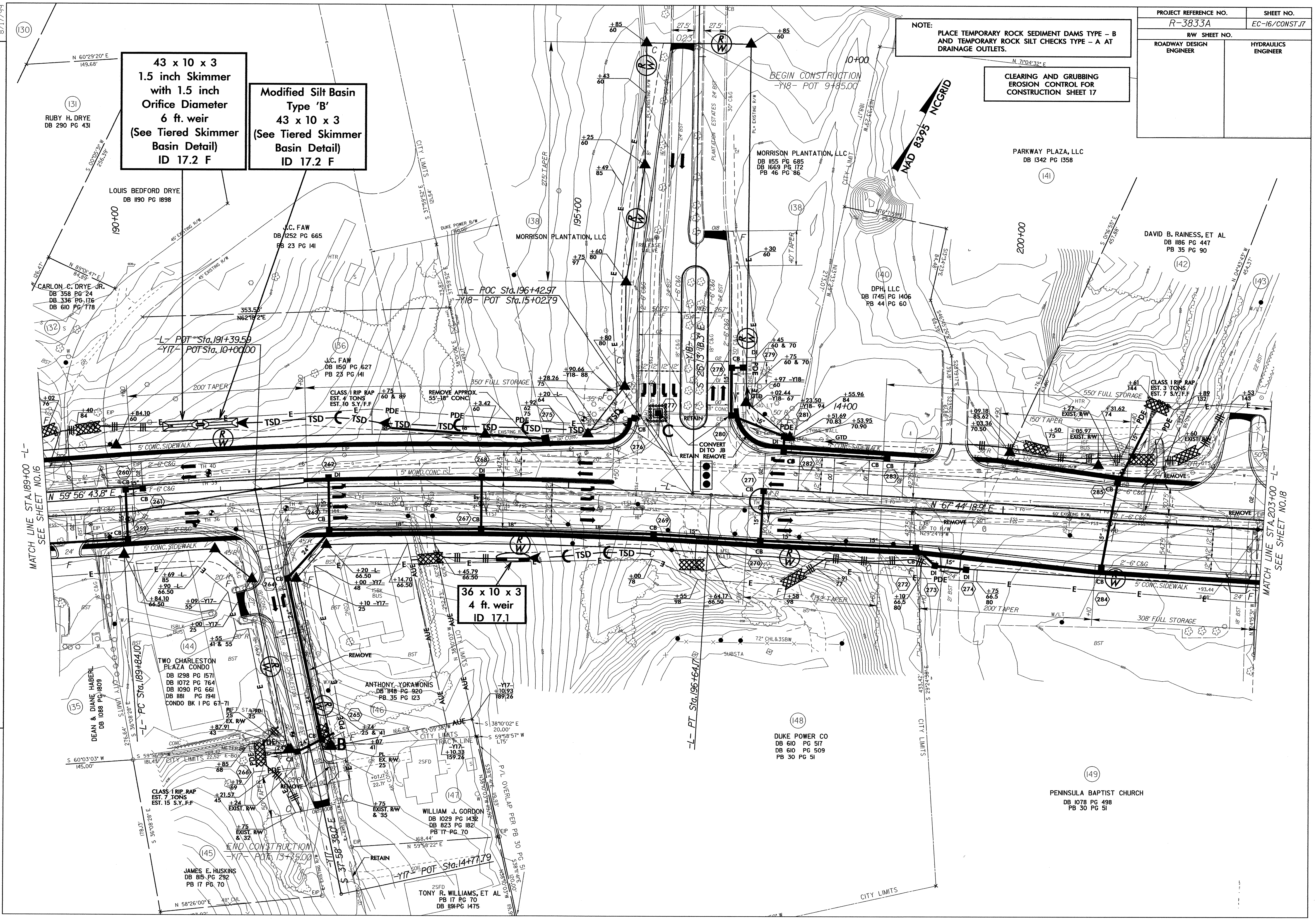
43 x 10 x 3  
1.5 inch Skimmer  
with 1.5 inch  
Orifice Diameter  
6 ft. weir  
(See Tiered Skimmer  
Basin Detail)  
ID 17.2 F

Modified Silt Basin  
Type 'B'  
43 x 10 x 3  
(See Tiered Skimmer  
Basin Detail)  
ID 17.2 F

36 x 10 x 3  
4 ft. weir  
ID 17.1

REVISIONS

8/8/06 REVISED OWNERS FOR PARCELS 138 & 139. REVISED PROPERTY LINES FOR PARCEL 136. REVISED EX. R/W ALONG PARCEL 149. REMOVED PARCEL NUMBER 137.  
12/18/06 REV. OWNERS & PROPERTY LINES & PROPOSED R/W FOR PARCELS 140 & 141. ADDED SIDEWALKS.  
3/15/07 REVISED DEED BOOK DATA FOR PARCEL #138. DELETED PARCEL #139. REVISED DUKE POWER R/W AND EASEMENT LINES.  
8/14/07 REVISED R/W AND EASEMENTS FOR PARCELS 141 & 142. REVISED TURN LINE AND ADDED DRIVEWAY FOR PARCELS 140 & 141. ADDED DRIVEWAY FOR PARCEL 142.  
11/07/07 ADDED PUE ON PARCEL 146.  
3/26/08 REVISED STA/OFFSETS FOR PARCEL 138. REVISED R/W AND EASEMENTS ALONG -Y18-. REMOVED EASEMENTS FROM PARCEL 140.  
REVISED EASEMENT TYPE TO 'AUE' ON PARCEL 146



8/17/99

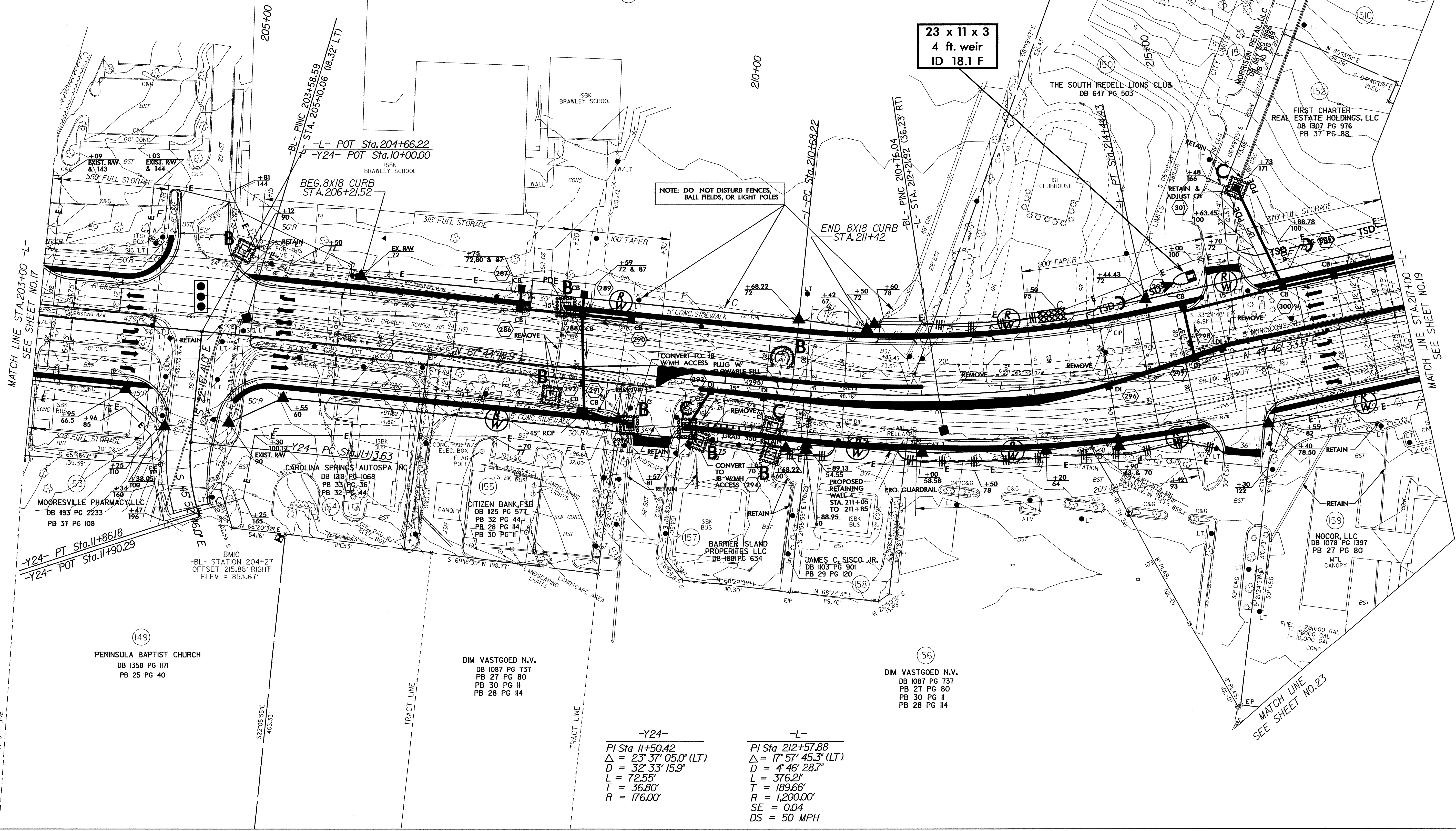


PROJECT REFERENCE NO.	SHEET NO.
R-3833A	EC-17/CONST.18
RW SHEET NO.	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER	

NOTE:  
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B  
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT  
DRAINAGE OUTLETS.

CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 18

REVISIONS  
6/1/06 REVISED MEDIAN LEFT TURN FROM STA.208+30 TO 209+30 -- ADDED LEFTOVER FROM STA.209+30 TO 215+15  
8/8/06 ADDED EX-SIGN ON PARCEL 152. REVISED OWNER FOR PARCEL 157. REVISED EX-R/W ALONG PARCELS 153,154,155,156,157,158 & 159. REVISED PROPOSED R/W ALONG  
PARCEL 156.  
12/18/06 REV. PROPOSED R/W TO MISS LEFT STATION STA.213+50 RT. ADDED SIDEWALKS.  
3/15/07 REVISED PROPERTY LINES FOR PARCELS 151 & 153. ADDED PARCEL #151. ADDED RETAINING WALL ALONG PROPOSED R/W WAY AT PARCEL 155.  
10/9/07 REVISED RIGHT OF WAY STATION/OFFSET FOR PARCEL 153 AT STA.204+3805.00 FT.  
10/11/07 REVISED RIGHT OF WAY STATION/OFFSETS FOR PARCEL 151 AT STA.210+8913.5455' RT AND 210+8895.60' RT.



NOTE: DO NOT DISTURB FENCES,  
BALL FIELDS, OR LIGHT POLES

23 x 11 x 3  
4 ft. weir  
ID 18.1 F

IREDELL COUNTY  
DB 873 PG 531  
PB 35 PG 90  
(143)

(149)  
PENINSULA BAPTIST CHURCH  
DB 1358 PG 171  
PB 25 PG 40

DIM VASTGOED N.V.  
DB 1087 PG 737  
PB 27 PG 80  
PB 30 PG II  
PB 28 PG II4

(156)  
DIM VASTGOED N.V.  
DB 1087 PG 737  
PB 27 PG 80  
PB 30 PG II  
PB 28 PG II4

-Y24-  
PI Sta 11+50.42  
 $\Delta = 23^\circ 37' 05.0''$  (LT)  
 $D = 32^\circ 33' 15.9''$   
 $L = 72.55'$   
 $T = 36.80'$   
 $R = 176.00'$

-L-  
PI Sta 212+57.88  
 $\Delta = 17^\circ 57' 45.3''$  (LT)  
 $D = 4^\circ 46' 28.7''$   
 $L = 376.21'$   
 $T = 189.66'$   
 $R = 1,200.00'$   
 $SE = 0.04$   
 $DS = 50$  MPH

MATCH LINE  
SEE SHEET NO. 23

MATCH LINE STA.203+00 -L-  
SEE SHEET NO.17

MATCH LINE STA.217+00 -L-  
SEE SHEET NO.19



8/17/99

NOTE: PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

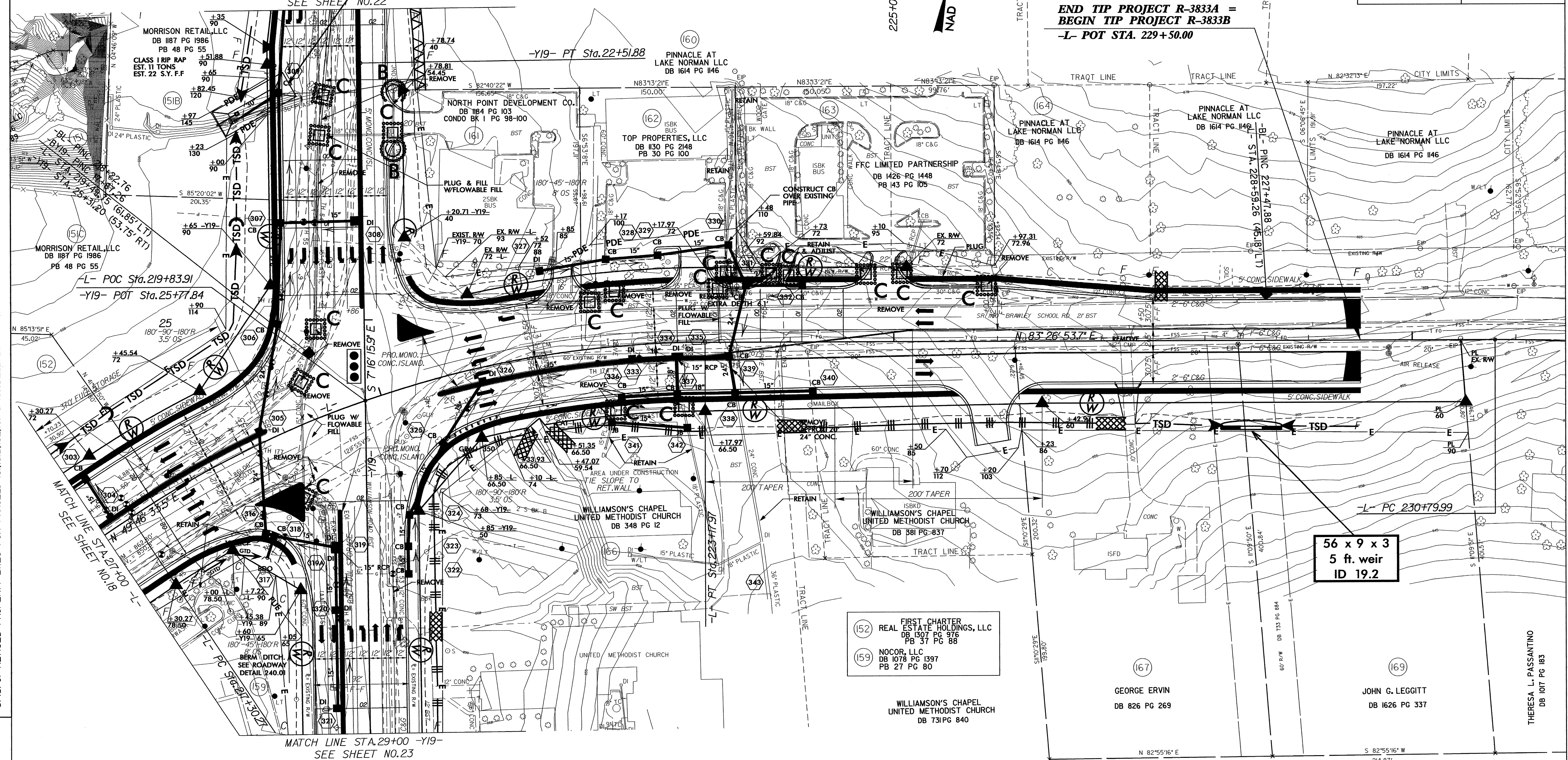
CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 19

78 x 27 x 3  
2.5 inch Skimmer  
with 2 inch  
Orifice Diameter  
10 ft. weir  
ID 19.1

PROJECT REFERENCE NO. R-3833A	SHEET NO. EC-18/CONST 19
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

END TIP PROJECT R-3833A =  
BEGIN TIP PROJECT R-3833B  
-L- POT STA. 229+50.00

REVISIONS  
8/18/06 REVISED PROPERTY LINES & OWNERS FOR PARCELS 151A, 151B & 151C. REVISED EX-R/W ALONG PARCEL 159.  
12/18/06 ADDED PUE RIGHT OF -Y19- STA. 217+00. REV. EX. & PROPOSED R/W ALONG PARCELS 160 & 165. ADDED SIDEWALKS.  
3/15/07 REVISED PROPERTY LINES FOR PARCELS 151, 151B, 152, 167 & 163. DELETED PARCEL # 168.



56 x 9 x 3  
5 ft. weir  
ID 19.2

-L-		-Y19-	
PI Sta 220+32.88	PI Sta 235+75.80	PI Sta 21+7.55	PI Sta 30+94.24
$\Delta = 33' 40" 20.2" (RT)$	$\Delta = 38' 22" 09.6" (RT)$	$\Delta = 2' 03" 09.7" (LT)$	$\Delta = 13' 22" 09.3" (LT)$
D = 5' 43' 46.5"	D = 4' 01' 14.7"	D = 0' 45' 50.2"	D = 3' 49' 11.0"
L = 587.69'	L = 954.28'	L = 268.70'	L = 350.01'
T = 302.61'	T = 495.81'	T = 75.80'	T = 175.80'
R = 1,000.00'	R = 1,425.00'	R = 7,500.00'	R = 1,500.00'
SE = 0.02	SE = 0.04	SE = NC	SE = 0.04
DS = 50 MPH	DS = 50 MPH	DS = 50 MPH	DS = 50 MPH



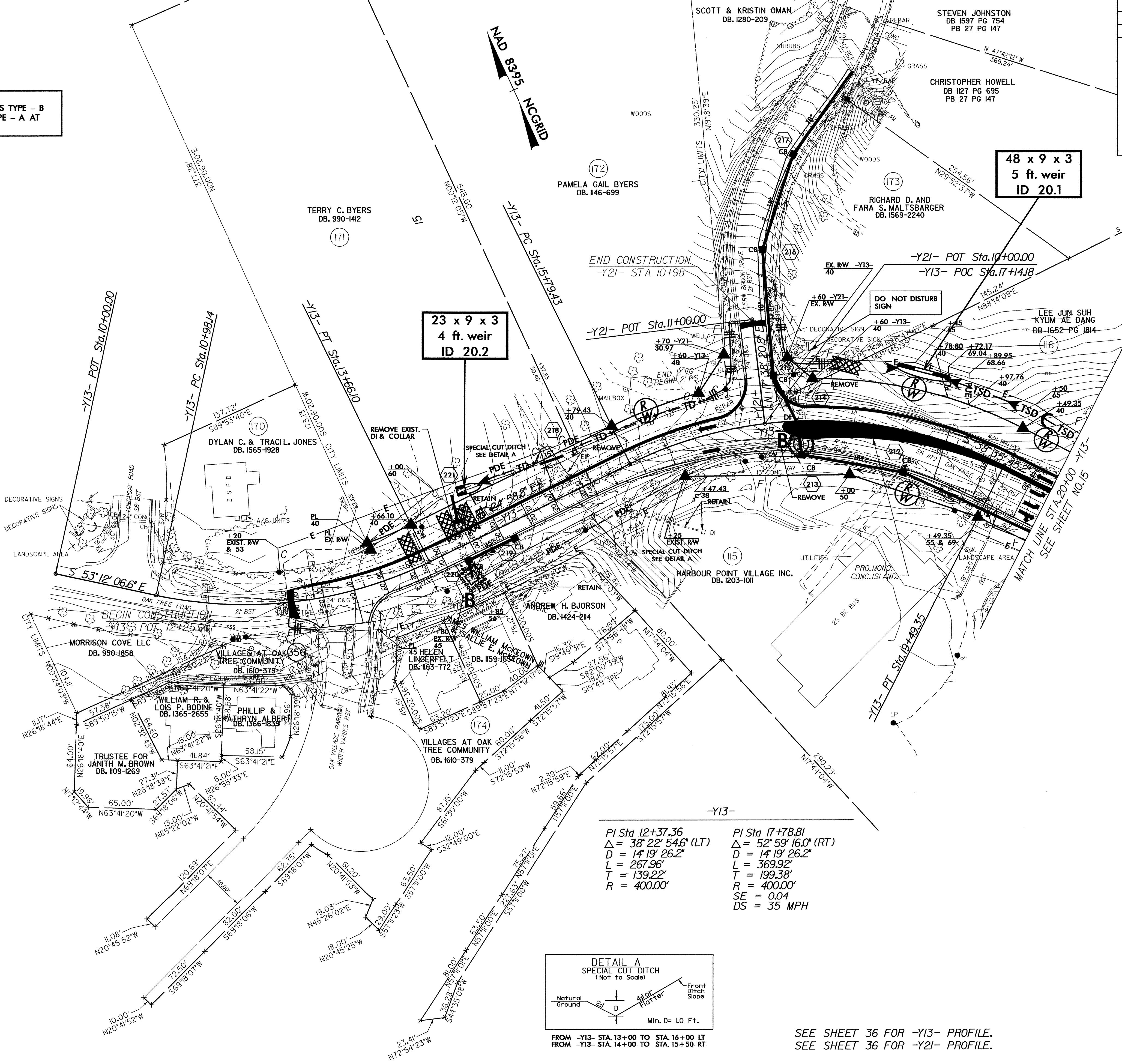
CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 20

NOTE:  
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B  
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT  
DRAINAGE OUTLETS.

REVISIONS  
12/18/06 ADDED PVE LEFT OF STA.18+80. REV. PARCEL \* 170,171,172,173,174 & 15. REV. OWNER & PARCEL \* 116. REV. DRAINAGE LEFT OF STA.19+50 AND REMOVED PRO.PDE.

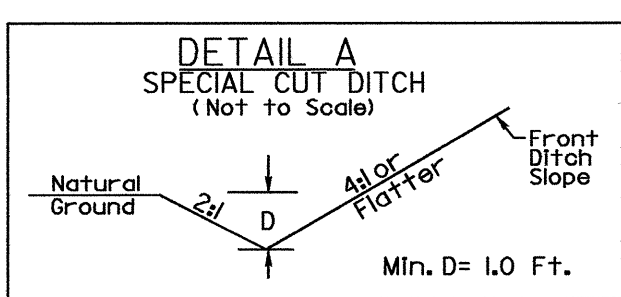
8/17/99

NAD 83-95 NCGRID



PI Sta 12+37.36  
 $\Delta = 38^\circ 22' 54.6''$  (LT)  
 $D = 14' 19' 26.2''$   
 $L = 267.96'$   
 $T = 139.22'$   
 $R = 400.00'$

PI Sta 17+78.81  
 $\Delta = 52^\circ 59' 16.0''$  (RT)  
 $D = 14' 19' 26.2''$   
 $L = 369.92'$   
 $T = 199.38'$   
 $R = 400.00'$   
 $SE = 0.04$   
 $DS = 35$  MPH



FROM -Y13- STA. 13+00 TO STA. 16+00 LT  
 FROM -Y13- STA. 14+00 TO STA. 15+50 RT

SEE SHEET 36 FOR -Y13- PROFILE.  
 SEE SHEET 36 FOR -Y21- PROFILE.



PROJECT REFERENCE NO. R-3833A	SHEET NO. EC-20/CONST.21
RW SHEET NO.	

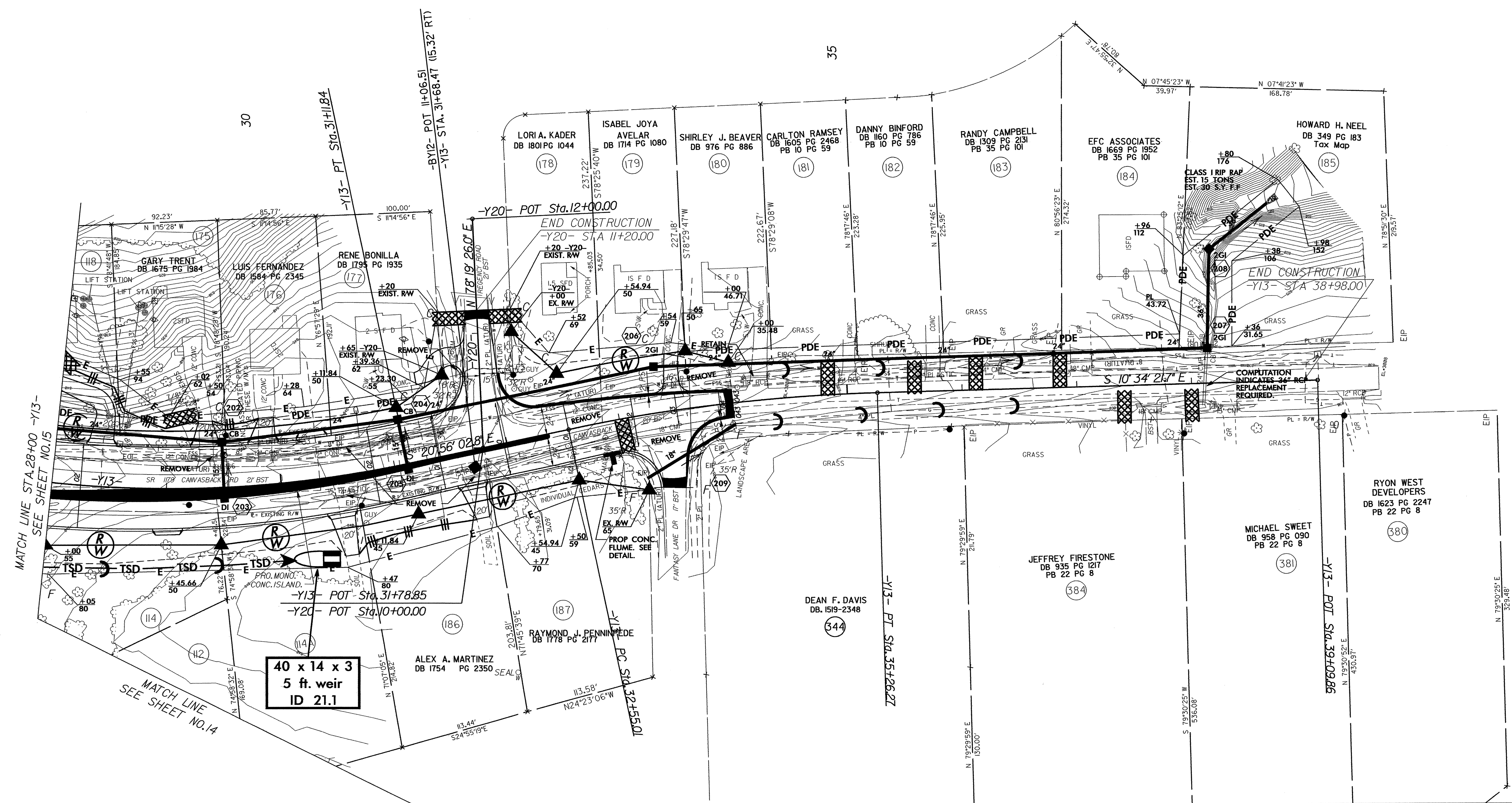
NAD 83/95 NCGRID

NOTE:  
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B  
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT  
DRAINAGE OUTLETS.

CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 21

REVISIONS

6/11/06 REVISED TDE ON PARCEL 382 FOR EROSION CONTROL MEASURES  
8/8/06 REVISED OWNERS FOR PARCELS 175,176,177,185 & 186. REVISED PROPERTY LINES & OWNERS FOR PARCELS 112 & 114A.  
12/18/06 ADDED CURB CUTS STA. 29+00 RT. & 30+25 LT. REV. EASEMENT TO PDE STA. 38+20 LT.  
3/15/07 REVISED PROPERTY OWNERS FOR PARCELS 144A, 177, 178, 185, 186 & 187.  
9/21/07 ADDED EX. WELL TO BE SEALED ON PARCEL 186.  
3/26/08 REVISED PDE ON PARCEL 185.



40 x 14 x 3  
5 ft. weir  
ID 21.1



PROJECT REFERENCE NO.	SHEET NO.
R-3833A	EC-21/CONST.22
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

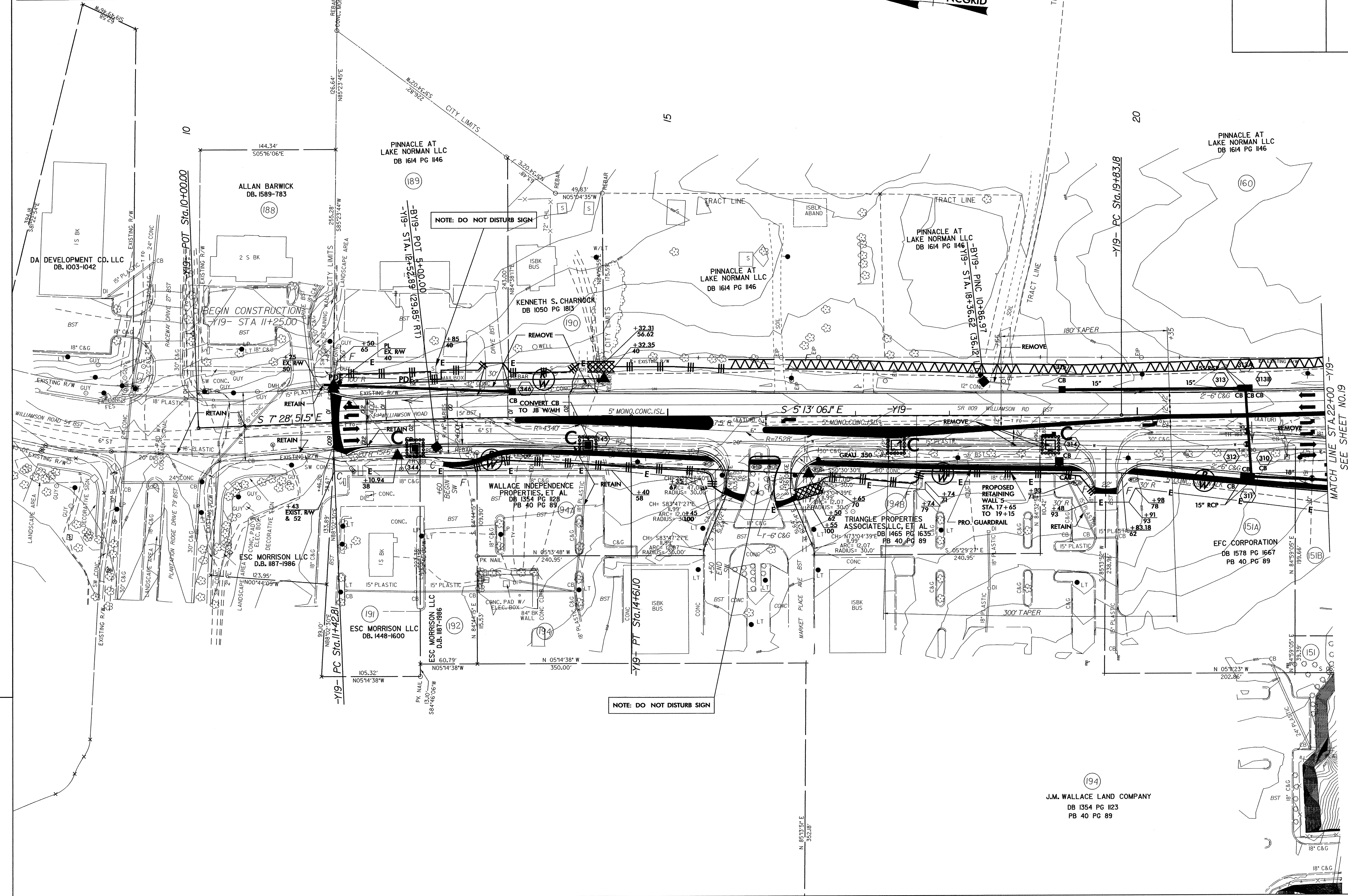
NOTE:  
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B  
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT  
DRAINAGE OUTLETS.

CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 22

PINNACLE AT  
LAKE NORMAN LLC  
DB 1614 PG 1146

NAD 8395 NCGRID

REVISIONS  
 8/17/19  
 8/8/06 REVISED PARCEL NUMBERS FOR PARCELS 194A & 194B, REVISED PARCEL NUMBERS & OWNERS FOR PARCELS 151A, 151B & 151B.  
 12/18/06 ADDED NOTE "DO NOT DISTURB SIGN STA. 12+60 LT. REV. PARCEL OWNER 190. REV. EX. & PROPOSED R/W ALONG PARCEL 160.  
 3/15/07 REVISED DEED BOOK DATA FOR PARCEL 191.  
 3/26/08 REVISED STA. OFFSET FOR PARCEL 191.



NOTE: DO NOT DISTURB SIGN

NOTE: DO NOT DISTURB SIGN

MATCH LINE STA. 22+00 -Y19-  
 SEE SHEET NO. 19

194  
J.M. WALLACE LAND COMPANY  
DB 1354 PG 1123  
PB 40 PG 89

PINNACLE AT  
LAKE NORMAN LLC  
DB 1614 PG 1146

EFC CORPORATION  
DB 1578 PG 1667  
PB 40 PG 89

PINNACLE AT  
LAKE NORMAN LLC  
DB 1614 PG 1146

PINNACLE AT  
LAKE NORMAN LLC  
DB 1614 PG 1146

PINNACLE AT  
LAKE NORMAN LLC  
DB 1614 PG 1146

ALLAN BARWICK  
DB. 1589-783

DA DEVELOPMENT CO. LLC  
DB. 1003-1042

KENNETH S. CHARNOCK  
DB 1050 PG 1813

WALLACE INDEPENDENCE  
PROPERTIES, ET AL  
DB 1354 PG 1123  
PB 40 PG 89

TRIANGLE PROPERTIES  
ASSOCIATES, LLC, ET AL  
DB 1465 PG 1635  
PB 40 PG 89

ESC MORRISON LLC  
D.B. 1187-1986

ESC MORRISON LLC  
DB. 1448-1600

ESC MORRISON LLC  
D.B. 1187-1986