

4/21/2025
U4758-EC-dsn-psh-01.dgn
MEdwards



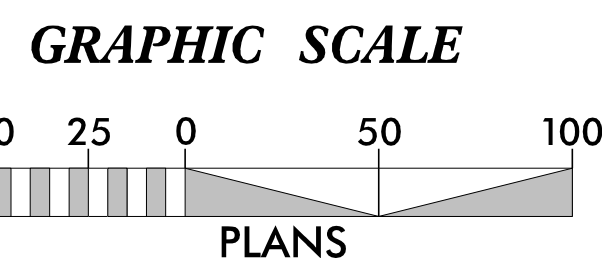
**TYPE OF WORK: GRADING, DRAINAGE, PAVING, WIDENING, RESURFACING, SIGNALS,
AND STRUCTURE**

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

**THIS PROJECT HAS
BEEN DESIGNED TO
SENSITIVE WATERSHED
STANDARDS.**

ENVIRONMENTALLY SENSITIVE AREA(S) EXIST ON THIS PROJECT

***Refer To E. C. Special Provisions
for Special Considerations.***



THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY
WITH THE REGULATIONS SET FORTH BY THE NCG 010000
GENERAL STORMWATER CONSTRUCTION PERMIT ISSUED BY THE NORTH
CAROLINA DEPARTMENT OF ENVIRONMENTAL QUALITY DIVISION
OF ENERGY, MINERAL, AND LAND RESOURCES.



905 JONES FRANKLIN ROAD
RALEIGH, NORTH CAROLINA 27606
TEL (919) 859-2243
ENG FIRM LICENSE NO. C-890

Designed by:

MATTHEW C. EDWARDS, PE	3992
NAME	LEVEL III CERTIFICATION NO.

Roadway Standard Drawings

The "Roadway Standard Drawings"- Roadway Design Unit - N. C. Department of Transportation - Raleigh, N. C., dated January 2024 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
U-4758	EC-02
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

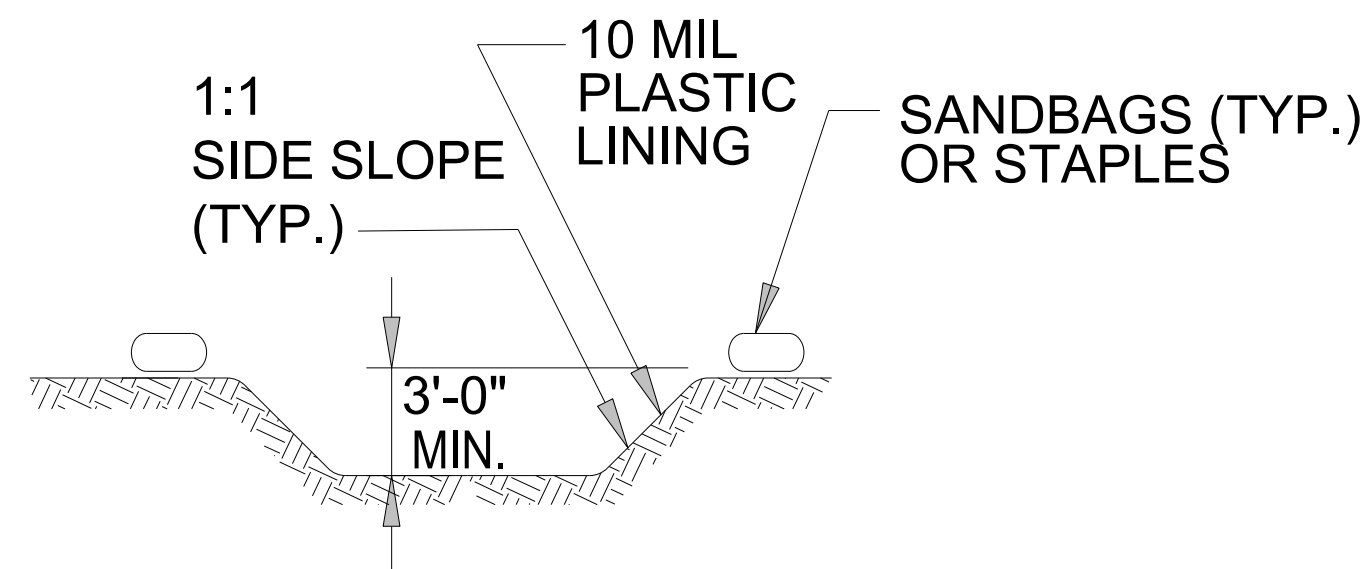
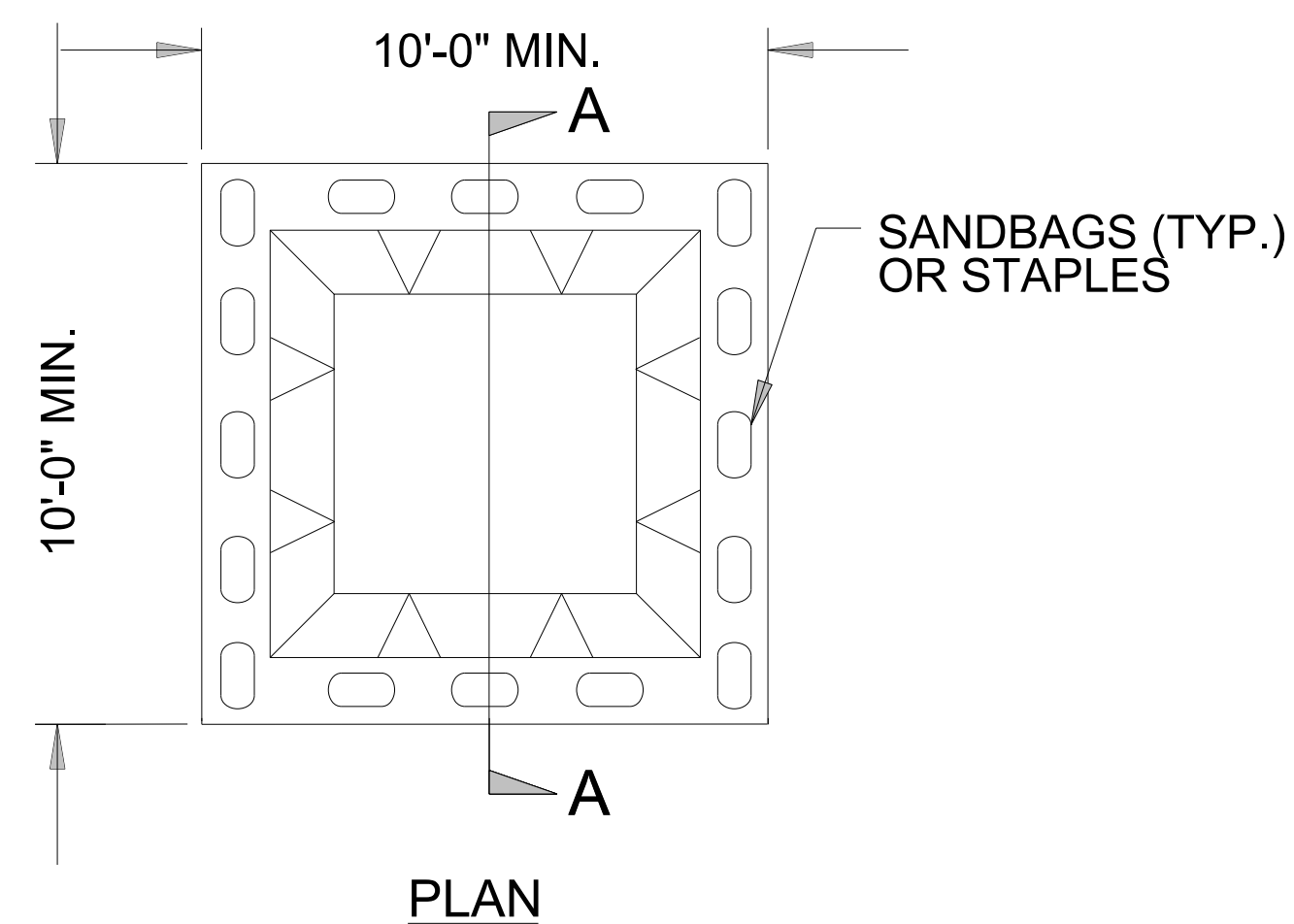
EROSION & SEDIMENT CONTROL LEGEND

Std. #	Description	Symbol
1605.01	Temporary Silt Fence	
1606.01	Special Sediment Control Fence	
1622.01	Temporary Berms and Slope Drains	
1630.02	Silt Basin Type B	
1630.03	Temporary Silt Ditch	
1630.04	Stilling Basin	
1630.05	Temporary Diversion	
1630.06	Special Stilling Basin	
1630.07	Skimmer Basin	
1630.08	Tiered Skimmer Basin	
1630.09	Earthen Dam with Skimmer	
	Infiltration Basin	
	Rock Inlet Sediment Trap:	
1632.01	Type A	
1632.02	Type B	
1632.03	Type C	

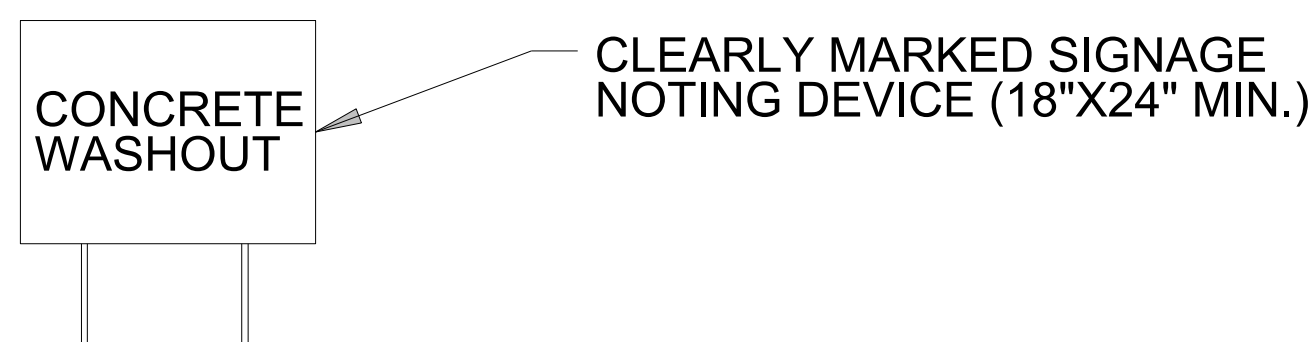
Std. #	Description	Symbol
1633.01	Temporary Rock Silt Check Type A	
1633.02	Temporary Rock Silt Check Type B	
1633.03	Temporary Rock Silt Check Type A with Excelsior Matting and Flocculant	
1634.01	Temporary Rock Sediment Dam Type A	
1634.02	Temporary Rock Sediment Dam Type B	
1635.01	Rock Pipe Inlet Sediment Trap Type A	
1635.02	Rock Pipe Inlet Sediment Trap Type B	
1636.01	Excelsior Wattle Check	
1636.01	Excelsior Wattle Check with Flocculant	
1636.01	Coir Fiber Wattle Check	
1636.01	Coir Fiber Wattle Check with Flocculant	
1636.02	Silt Fence Excelsior Wattle Break	
	Silt Fence Coir Fiber Wattle Break	
1636.03	Excelsior Wattle Barrier	
1636.03	Coir Fiber Wattle Barrier	

ONSITE CONCRETE WASHOUT STRUCTURE WITH LINER

PROJECT REFERENCE NO.	SHEET NO.
U-4758	EC-2A
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

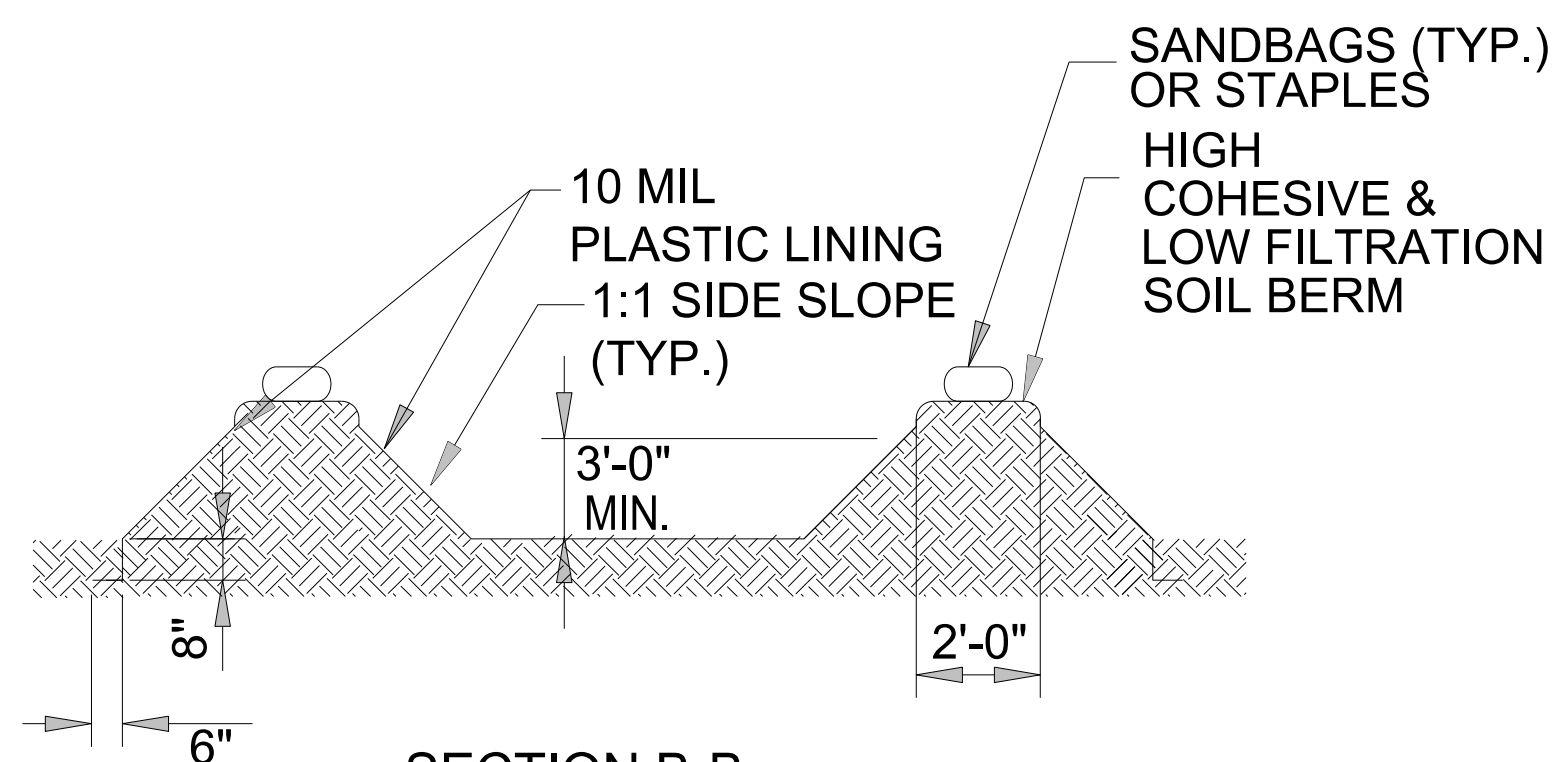
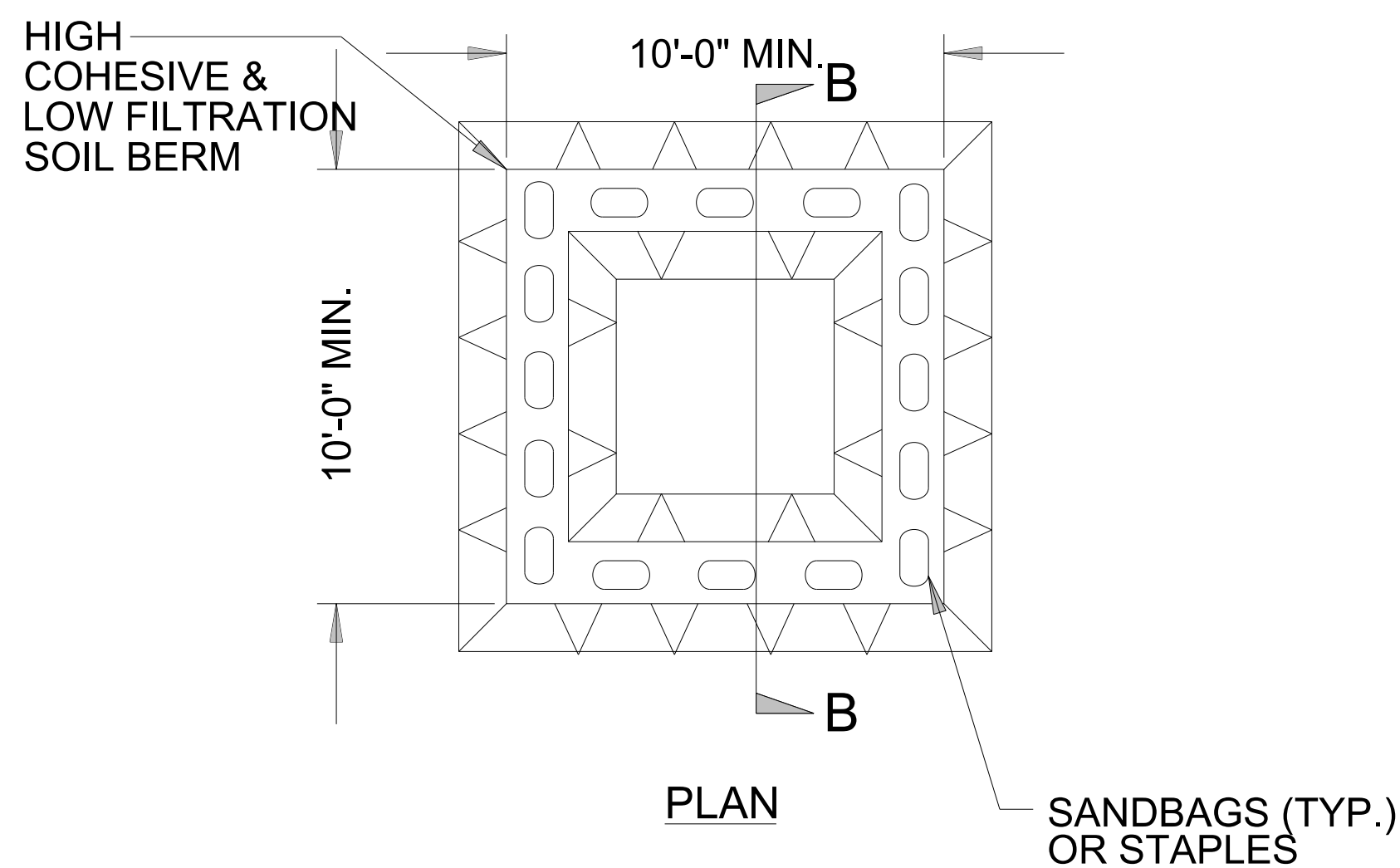


SECTION A-A

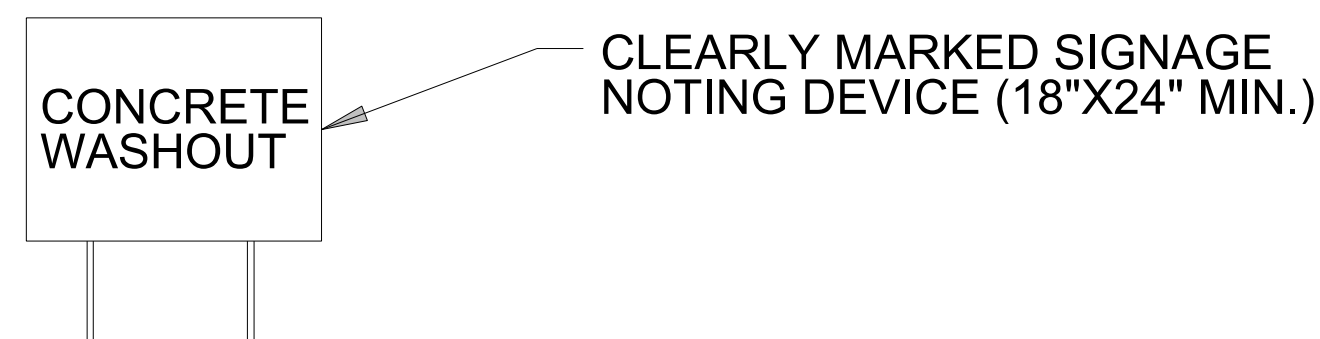


BELOW GRADE WASHOUT STRUCTURE
NOT TO SCALE

- NOTES:
1. ACTUAL LOCATION DETERMINED IN FIELD
 2. THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM 12 INCHES OF FREEBOARD.
 3. CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARLY MARKED WITH SIGNAGE NOTING DEVICE.



SECTION B-B

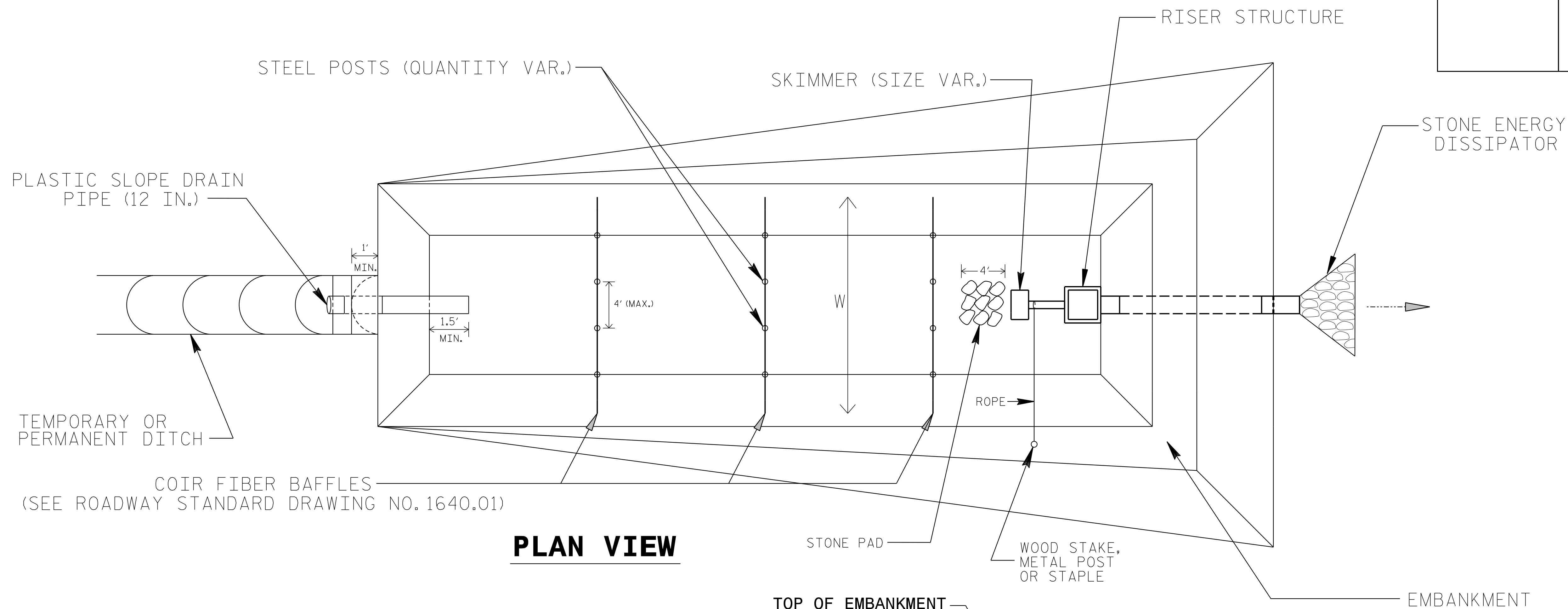


ABOVE GRADE WASHOUT STRUCTURE
NOT TO SCALE

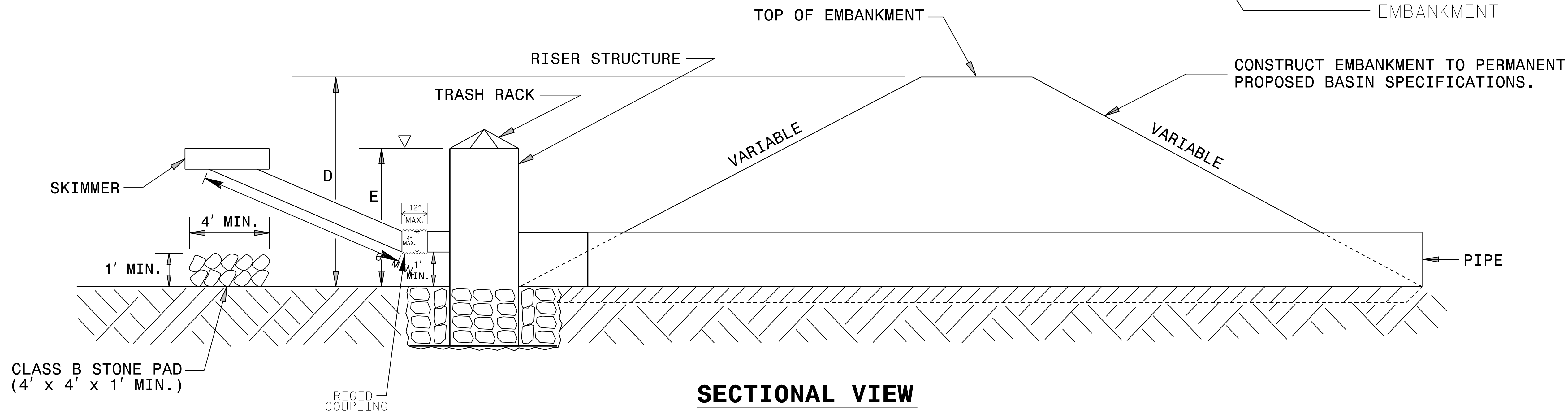
- NOTES:
1. ACTUAL LOCATION DETERMINED IN FIELD
 2. THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM 12 INCHES OF FREEBOARD.
 3. CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARLY MARKED WITH SIGNAGE NOTING DEVICE.

STORMWATER BASIN WITH SKIMMER

PROJECT REFERENCE NO.	SHEET NO.
U-4758	EC-2B
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



PLAN VIEW



SECTIONAL VIEW

NOTES

1. SEED AND PLACE MATTING FOR EROSION CONTROL ON INTERIOR AND EXTERIOR SIDESLOPES.
2. INSTALL A MINIMUM OF 3 COIR FIBER BAFFLES IN ACCORDANCE WITH ROADWAY STD. DRAWING 1640.01.
3. INSTALL SKIMMER AND COUPLING TO RISER STRUCTURE OR DIRECTLY INTO EMBANKMENT 1 FT. FROM BOTTOM OF BASIN.
4. THE ARM PIPE SHALL HAVE A MINIMUM LENGTH OF 6 FT. BETWEEN THE SKIMMER AND COUPLING.
5. PLASTIC SLOPE DRAIN PIPE AT INLET OF BASIN MAY BE REPLACED BY FILTRATION GEOTEXTILE AS DIRECTED.
6. THE DIFFERENCE BETWEEN LENGTHS "D" AND "E" REPRESENT THE FREEBOARD AND SHOULD BE 1 FT. MINIMUM.

NOT TO SCALE

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

PROJECT REFERENCE NO.		SHEET NO.
U-4758		EC-3
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER

SOIL STABILIZATION SUMMARY SHEET

MATTING FOR EROSION CONTROL (STRAW)

CONST SHEET NO.	LINE	FROM STATION	TO STATION	SIDE	ESTIMATE (SY)
4	-L-	20+75	21+00	RT	20
5	-L-	22+50	25+00	LT	235
5	-L-	34+10	35+00	LT	85
5	-L-	21+00	23+00	RT	175
6	-L-	35+00	36+00	LT	95
6	-L-	41+50	47+00	RT	560
7	-L-	47+00	47+50	RT	75
7	-L-	48+50	49+00	RT	75
7	-L-	49+50	50+60	RT	460
8	-L-	69+50	70+00	LT	60
9	-L-	79+70	79+95	RT	55
9	-Y4-	11+50	12+00	LT	45
9	-Y4-	11+50	12+00	RT	45
10	-L-	93+00	95+00	RT	175
11	-Y5-	17+00	18+70	RT	200
12	-L-	118+00	120+50	RT	230
13	-L-	128+10	128+75	RT	125
13	-L-	134+50		RT	70
13	-Y26-	14+00	17+50	LT	395
13	-Y26-	14+00	14+50	RT	45
14	-L-	141+00	142+40	LT	135
14	-L-	147+35	148+00	LT	65
15	-L-	148+00	148+50	LT	50
15	-Y10-	10+00	12+50	LT	190
16	-L-	169+00	171+00	RT	245
16	-Y11-	10+50	15+00	LT	350
16	-Y11-	11+00	13+50	RT	305
16	-Y12-	11+50	12+50	LT	95
16	-Y12-	12+00	16+50	RT	255
17	-L-	171+00	180+00	RT	1,250

MATTING FOR EROSION CONTROL (STRAW)

CONST SHEET NO.	LINE	FROM STATION	TO STATION	SIDE	ESTIMATE (SY)
18	-L-	184+00	184+77	LT	70
18	-L-	188+00	188+50	LT	35
18	-L-	193+23	194+50	LT	120
18	-L-	190+43	192+25	RT	170
18	-Y13-	10+00	15+50	LT	615
18	-Y13-	10+50	13+50	RT	330
18	-Y13-	15+00	16+00	RT	135
18	-Y14-	10+17	11+50	LT	100
18	-Y15-	11+00	15+00	LT	440
18	-Y15-	12+00	14+00	RT	235
19	-L-	196+00	206+00	LT	1,480
19	-L-	202+50	206+00	RT	350
20	-L-	215+30		LT	600
20	-L-	211+50	215+00	RT	290
20	-L-	215+50	216+00	RT	50
20	-Y17-	11+00	14+00	LT	425
20	-Y17-	12+50	17+50	RT	490
21	-L-	221+70		LT	210
21	-L-	216+00	216+25	RT	25
21	-L-	217+25	222+50	RT	710
21	-L-	224+47	225+75	RT	115
21	-Y18-	10+65	12+00	RT	125
21	-Y20-	10+83	13+50	LT	240
21	-Y20-	11+00	13+50	RT	225
22	-L-	230+85		LT	180
22	-Y24-	10+00		LT	65
22	-Y24-	10+00		RT	105
22	-Y24-	10+00	12+50	RT	120
22	-Y29-	31+00	31+50	LT	55
22	-Y29-	31+90	33+00	RT	165

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
<i>U-4758</i>	<i>EC-3A</i>
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

SOIL STABILIZATION SUMMARY SHEET

MATTING FOR EROSION CONTROL (STRAW)

CONST SHEET NO.	LINE	FROM STATION	TO STATION	SIDE	ESTIMATE (SY)
23	- L1 -	242+00	244+00	L1	140
23	- RP8 -	23+00	27+00	L1	450
23	- RP8 -	22+72	25+00	R1	260
24	- Y26 -	10+75	14+00	L1	265
24	- Y26 -	11+50	14+50	R1	235
24	- Y8 -	16+50	17+50	L1	150
24	- Y8 -	19+00	23+50	L1	680
24	- Y8 -	12+00	12+50	R1	65
24	- Y8 -	18+00	20+50	R1	410
24	- Y8 -	22+00	23+50	R1	195
25	- Y20 -	13+50	13+82	L1	30
25	- Y20 -	20+00	23+50	L1	315
25	- Y20 -	13+50	17+60	R1	370
25	- Y20 -	19+10	20+00	R1	85
25	- Y20 -	20+60	23+50	R1	265
26	- DWAY20 -	12+25	14+50	L1	375
26	- Y29 -	22+00	23+00	L1	120
26	- Y29 -	27+00	30+00	L1	340
26	- Y29 -	30+50	31+00	L1	55
26	- Y27 -	13+00	15+00	R1	160
26	- Y29 -	22+00	25+00	R1	510
26	- Y29 -	26+00	29+00	R1	325
27	- Y29 -	14+50	17+00	L1	300
27	- Y29 -	18+00	19+50	L1	140
27	- Y29 -	20+00	22+00	L1	245
27	- Y29 -	14+50	22+00	R1	1,370
28	- DWAY24 -	12+00	16+30	R1	370
28	- Y20 -	23+50	24+35	L1	65
28	- Y20 -	27+75	33+50	L1	405
28	- Y20 -	23+50	24+45	R1	75

MATTING FOR EROSION CONTROL (STRAW)

[illegible]

DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
<i>U-4758</i>	<i>EC-3B</i>
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

SOIL STABILIZATION SUMMARY SHEET

MATTING FOR EROSION CONTROL (EXCELSIOR)

[illegible]

MATTING FOR EROSION CONTROL (EXCELSIOR)

[illegible]

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
U-4758	EC-3C
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

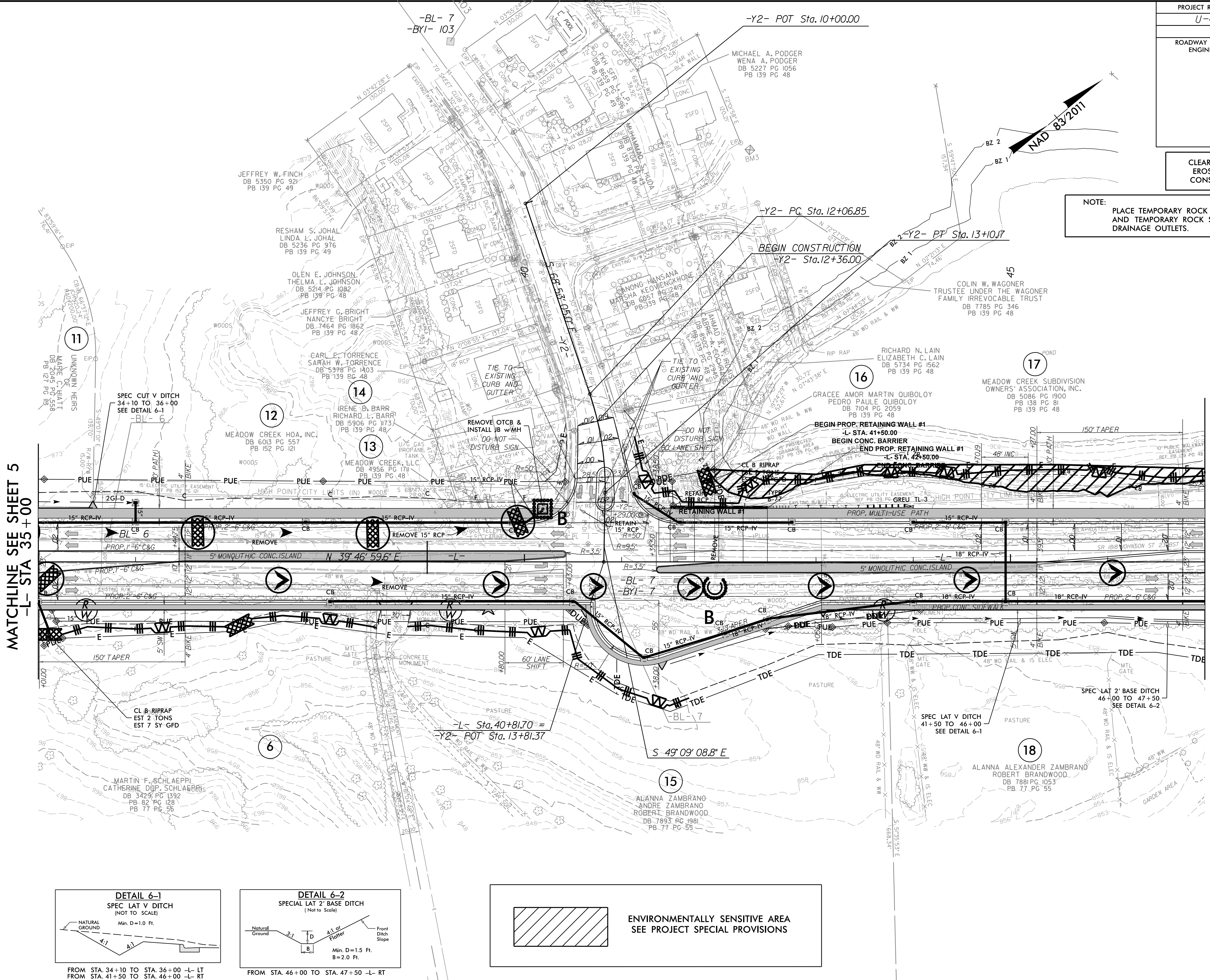
SOIL STABILIZATION TIMEFRAMES

SITE DESCRIPTION	STABILIZATION TIME	TIMEFRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 TO 4:1	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH WITH SLOPES STEEPER THAN 4:1. 7 DAYS FOR PERIMETER DIKES, SWALES, DITCHES PERIMETER SLOPES, AND HQW ZONES
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	7 DAYS FOR PERIMETER DIKES, SWALES, DITCHES PERIMETER SLOPES, AND HQW ZONES

PROJECT REFERENCE NO.	SHEET NO.
U-4758	EC-06/CONST.06
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

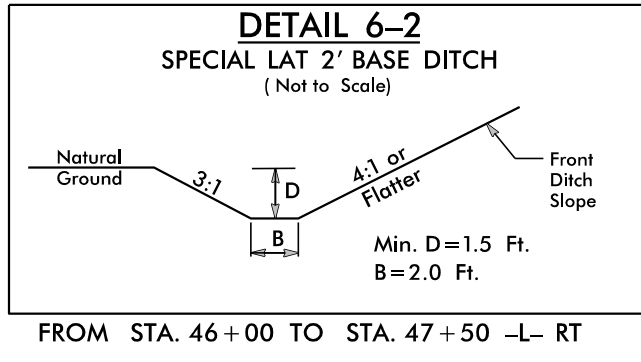
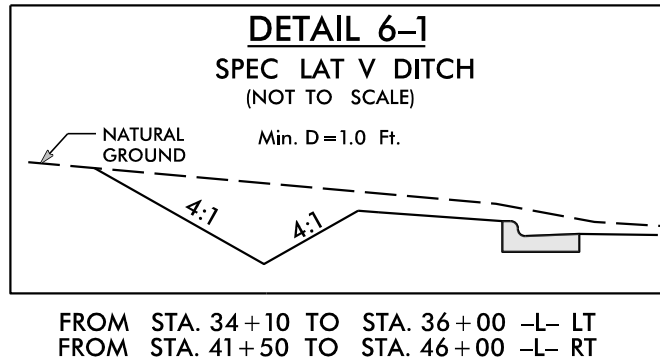
CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 06

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



MATCHLINE SEE SHEET 5
-L- STA 35+00

MATCHLINE SEE SHEET 7
-L- STA 47+00



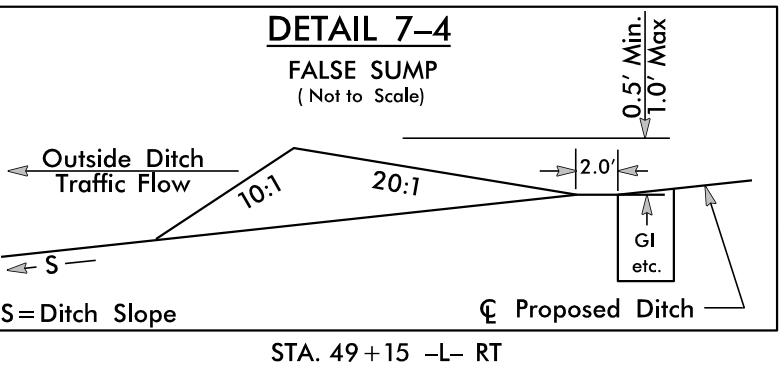
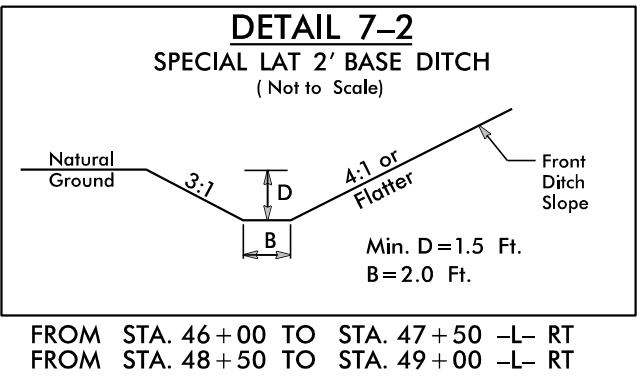
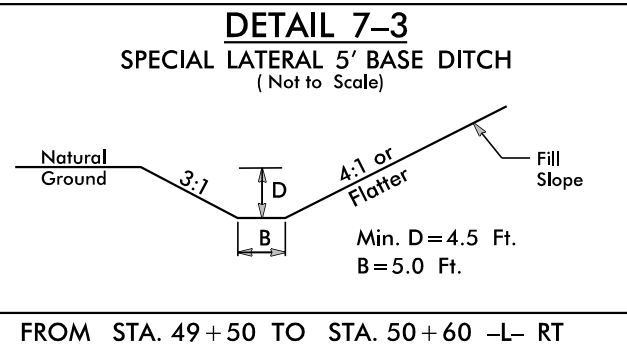
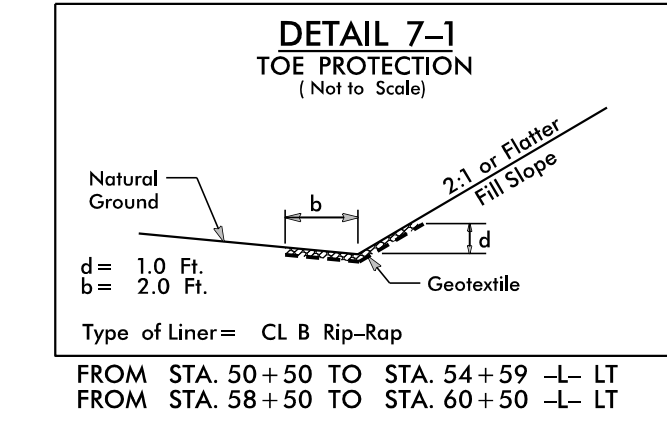
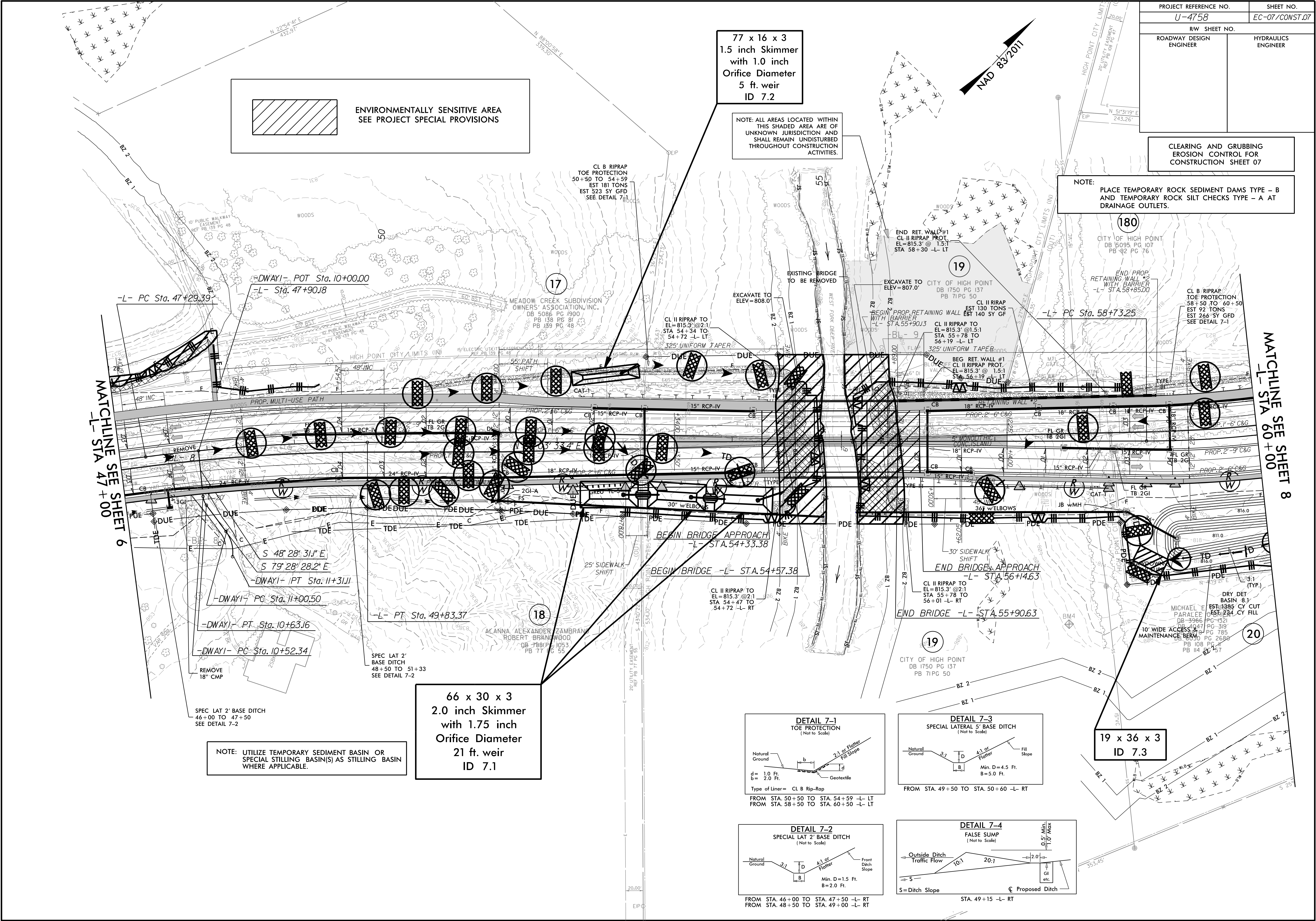
PROJECT REFERENCE NO.		SHEET NO.	
U-4758		EC-07/CONST.07	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 07

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

NOTE: ALL AREAS LOCATED WITHIN
THIS SHADED AREA ARE OF
UNKNOWN JURISDICTION AND
SHALL REMAIN UNDISTURBED
THROUGHOUT CONSTRUCTION
ACTIVITIES.

ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS



NOTE: UTILIZE TEMPORARY SEDIMENT BASIN OR
SPECIAL STILLING BASIN(S) AS STILLING BASIN
WHERE APPLICABLE.

66 x 30 x 3
2.0 inch Skimmer
with 1.75 inch
Orifice Diameter
21 ft. weir
ID 7.1

77 x 16 x 3
1.5 inch Skimmer
with 1.0 inch
Orifice Diameter
5 ft. weir
ID 7.2

19 x 36 x 3
ID 7.3

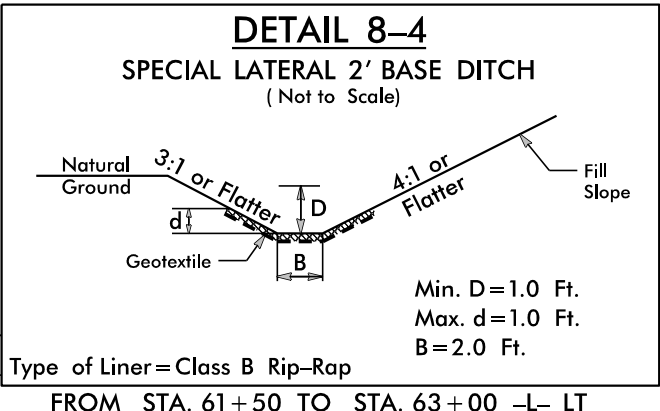
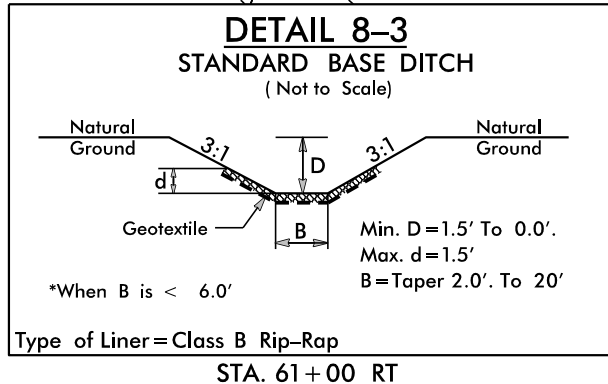
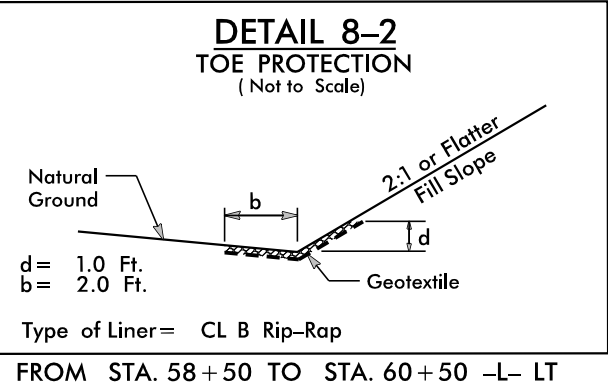
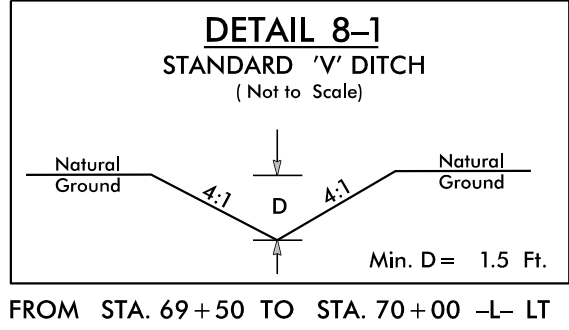
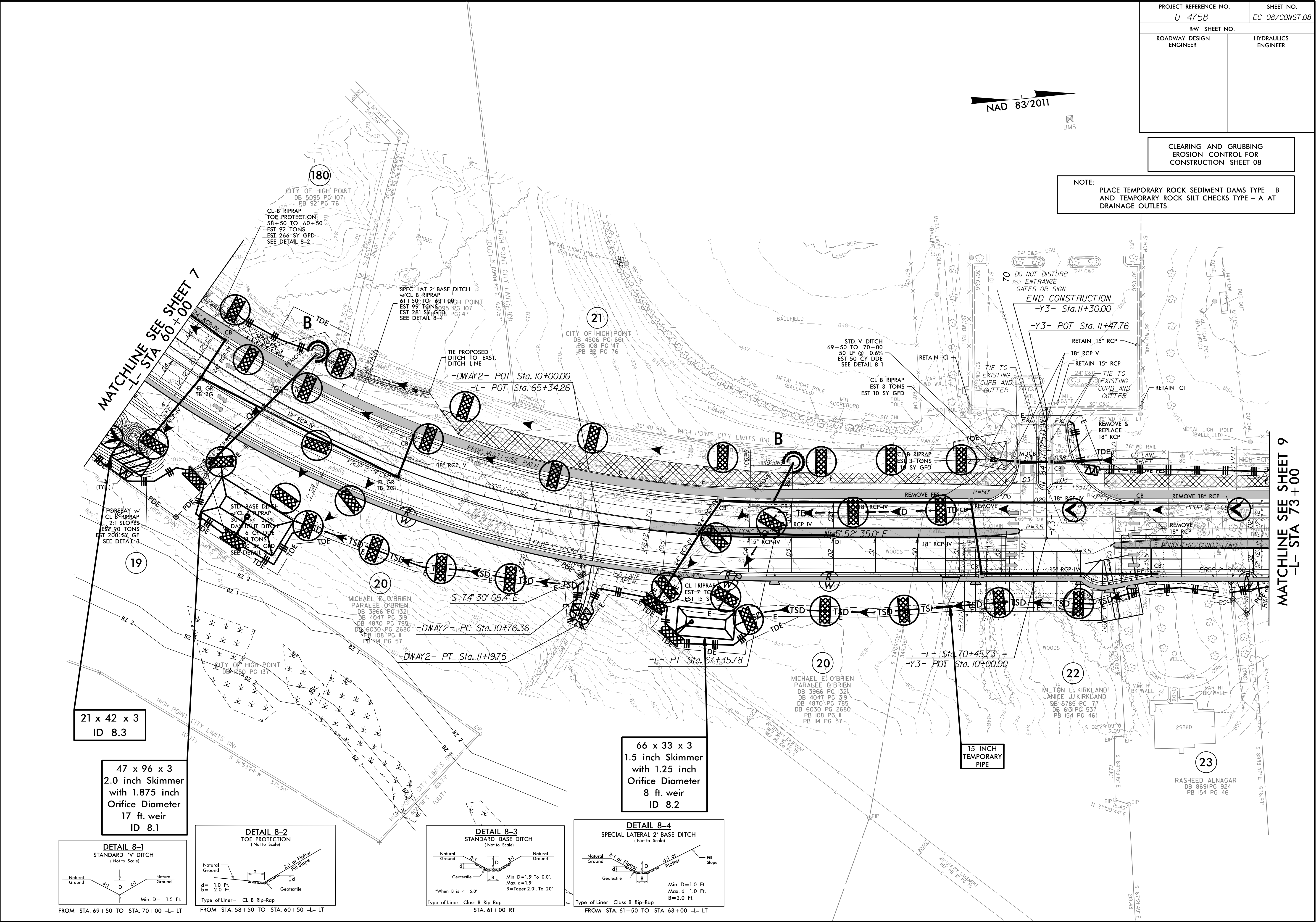
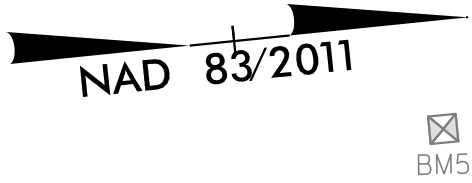
MATCHLINE SEE SHEET 8
-L- STA 60+00

MATCHLINE SEE SHEET 6
-L- STA 47+00

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

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 08

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



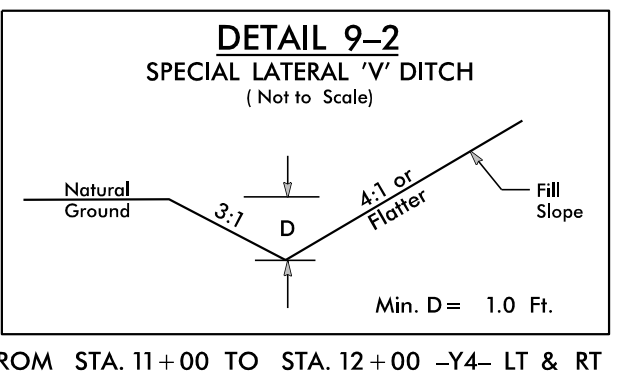
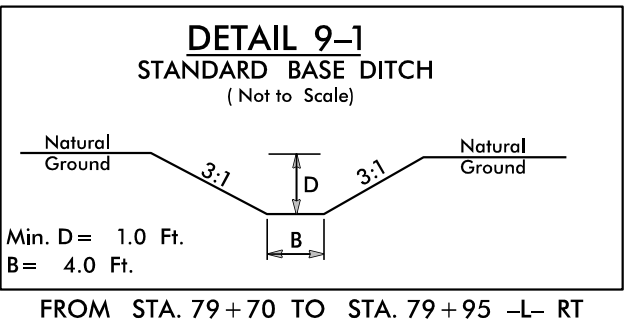
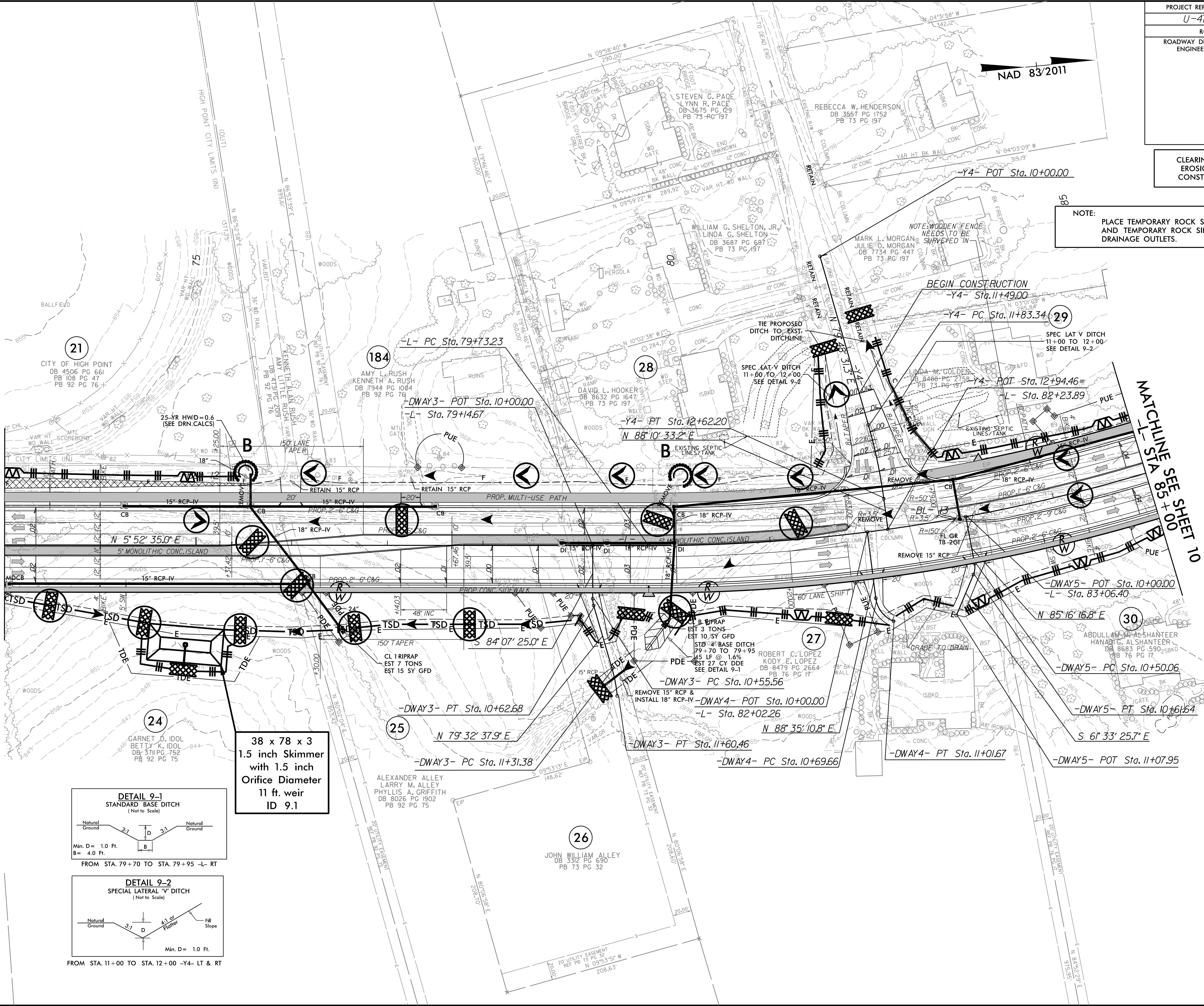
PROJECT REFERENCE NO.	SHEET NO.
U-4758	EC-09/CONST.09
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 09

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

MATCHLINE SEE SHEET 8
-L- STA 73+00

MATCHLINE SEE SHEET 10
-L- STA 85+00

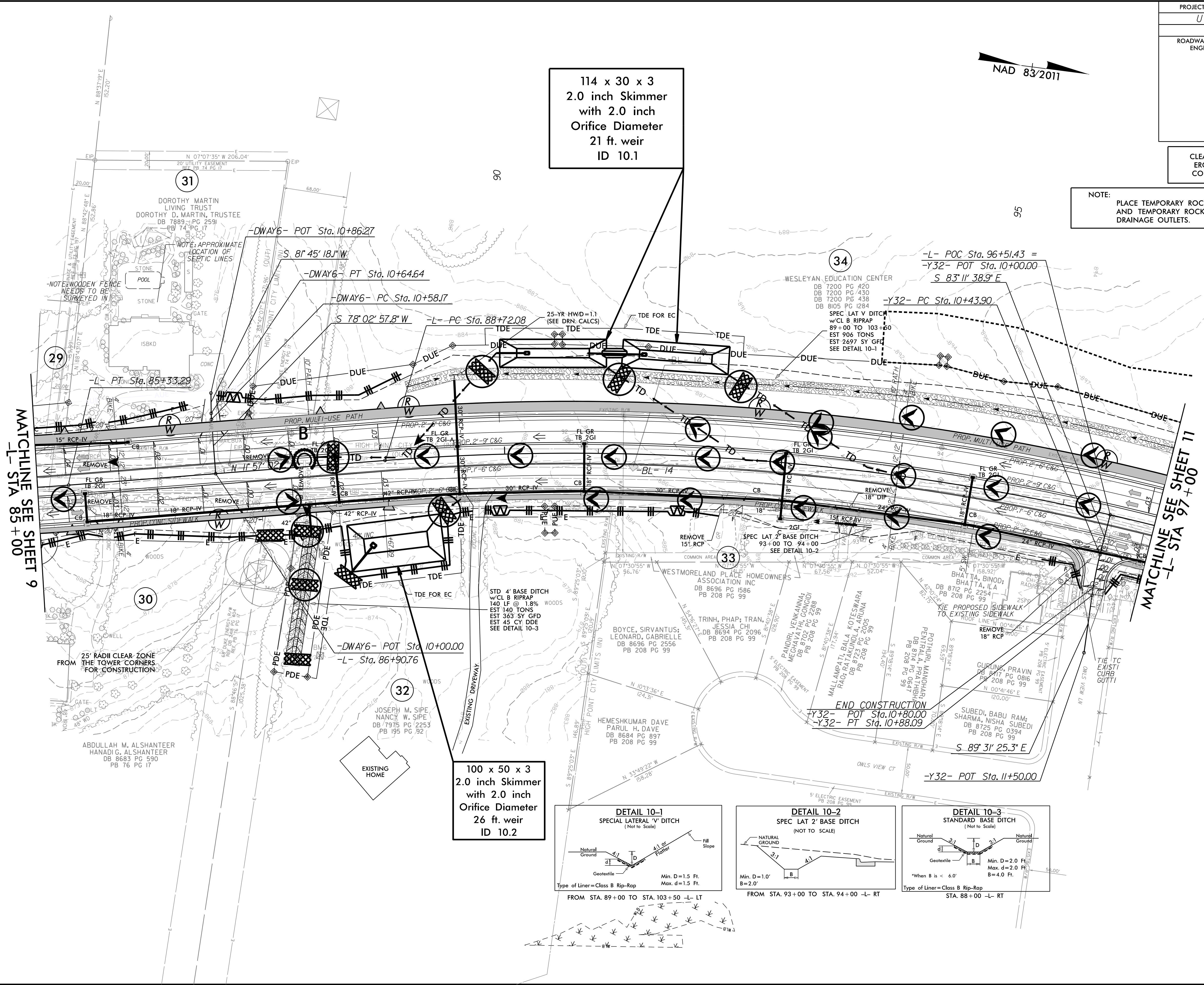


38 x 78 x 3
1.5 inch Skimmer
with 1.5 inch
Orifice Diameter
11 ft. weir
ID 9.1

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

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 10

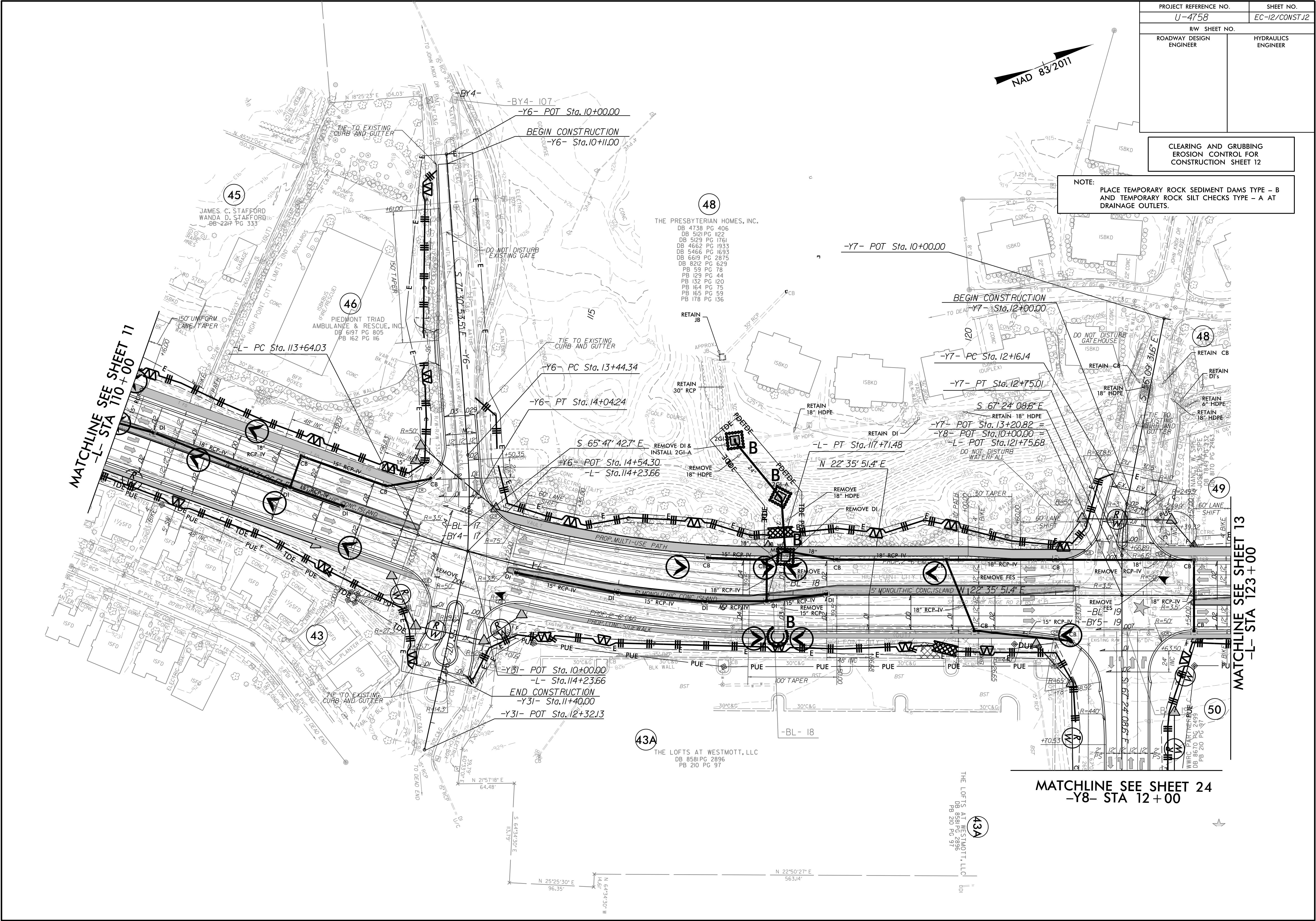
NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT
DRAINAGE OUTLETS.



PROJECT REFERENCE NO.		SHEET NO.	
U-4758		EC-12/CONST.12	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 12

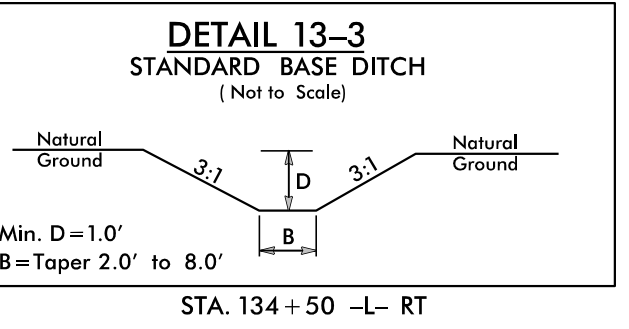
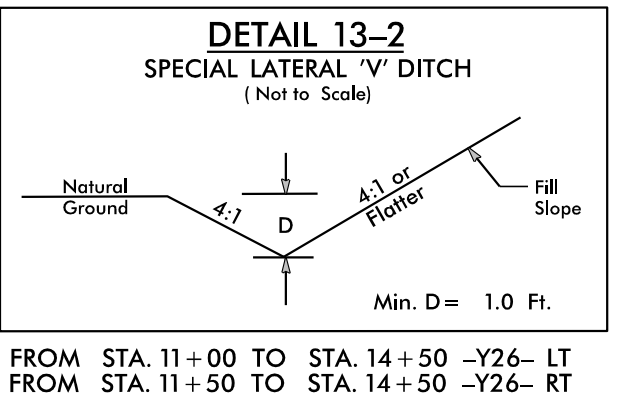
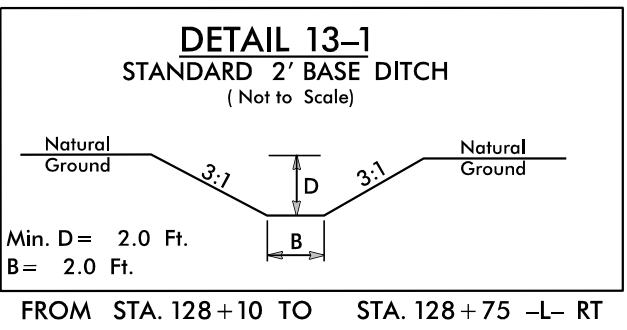
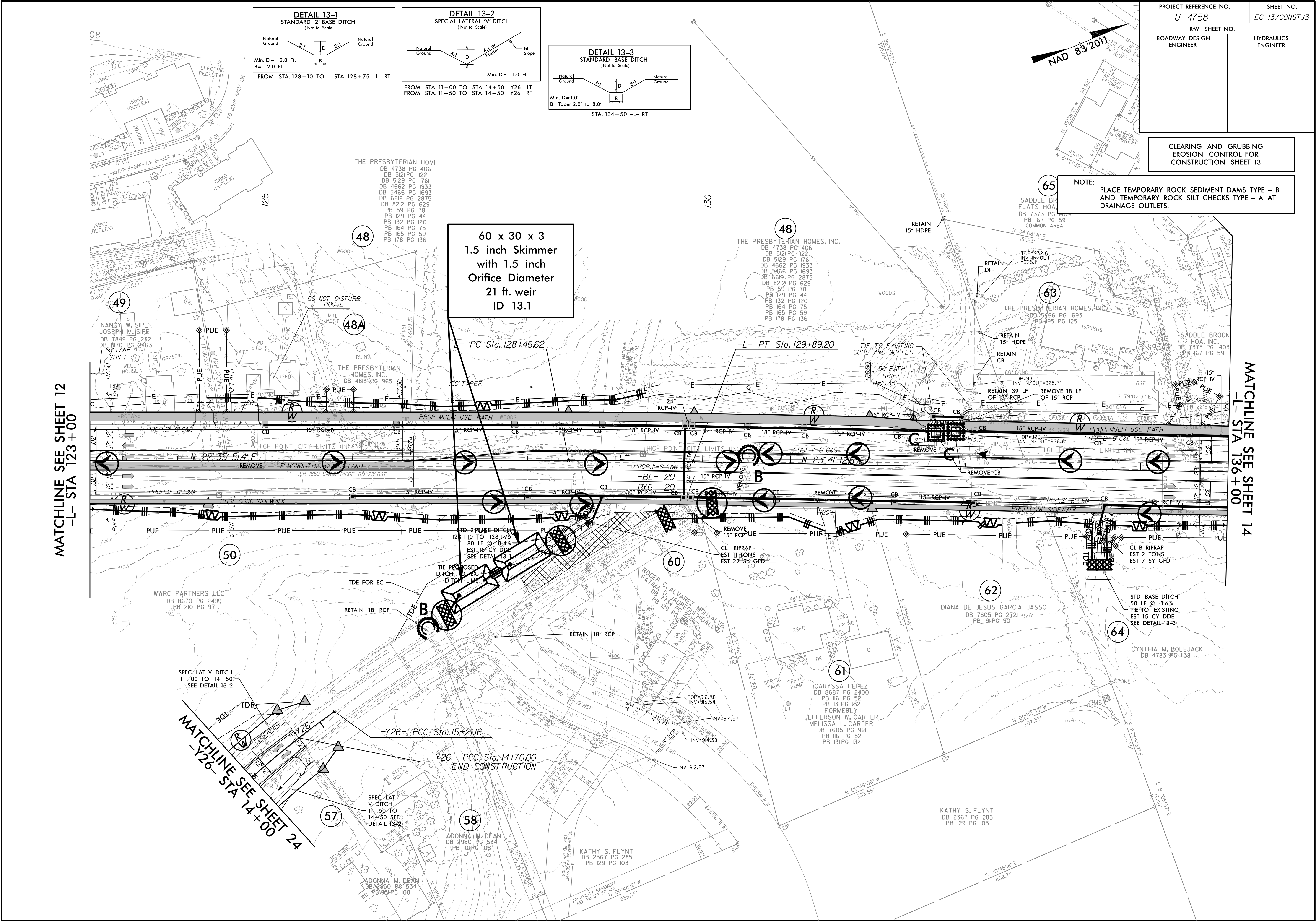
NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT
DRAINAGE OUTLETS.



PROJECT REFERENCE NO.		SHEET NO.	
U-4758		EC-13/CONST.13	
RW SHEET NO.		HYDRAULICS ENGINEER	
ROADWAY DESIGN ENGINEER			

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 13

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



MATCHLINE SEE SHEET 12
-L- STA 123+00

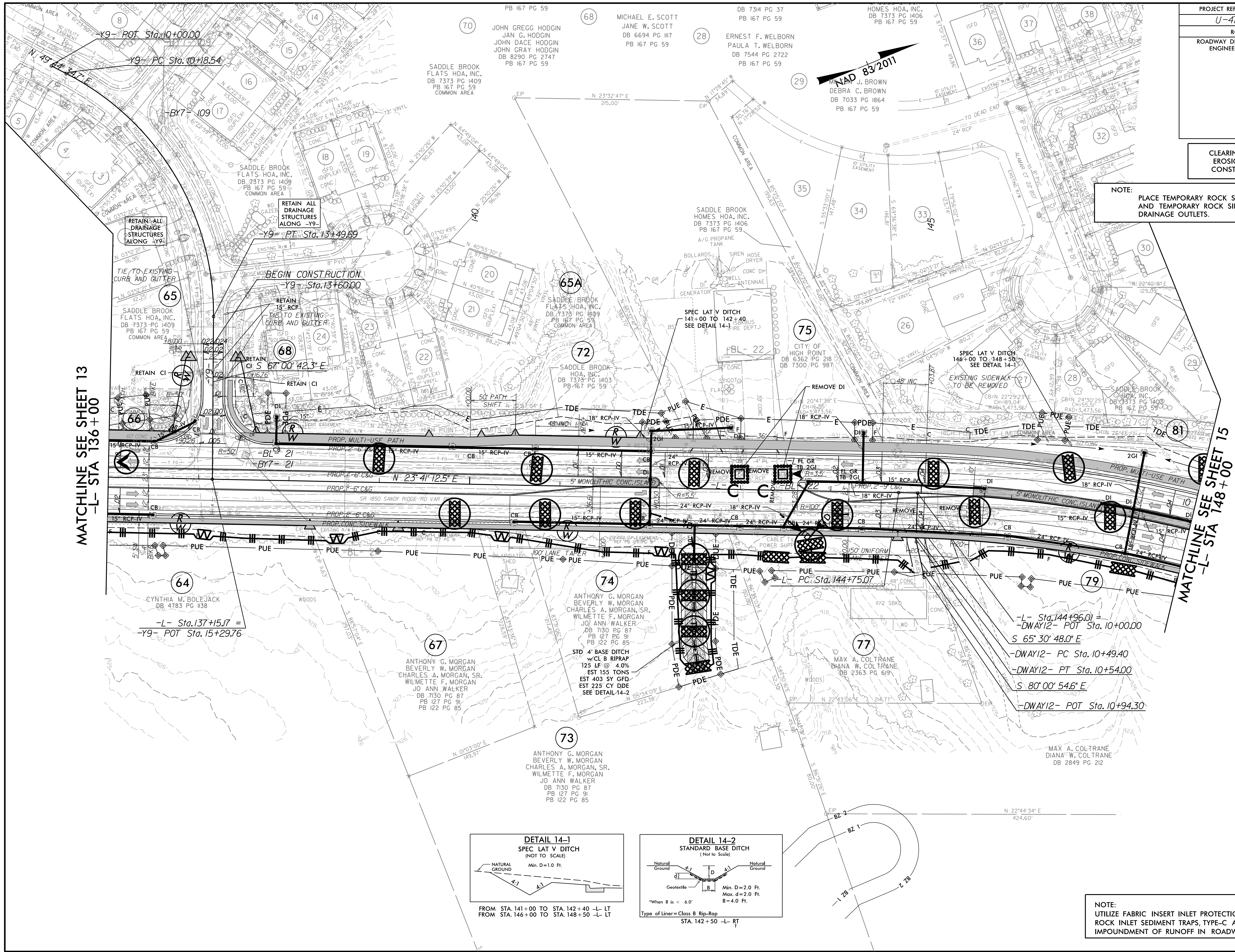
MATCHLINE SEE SHEET 14
-L- STA 136+00

MATCHLINE SEE SHEET 24
-Y26- STA 14+00

PROJECT REFERENCE NO.		SHEET NO.
U-4758		EC-14/CONST.14
RW SHEET NO.		
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER

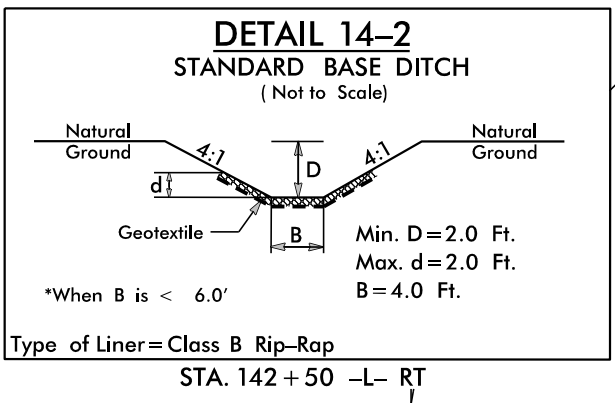
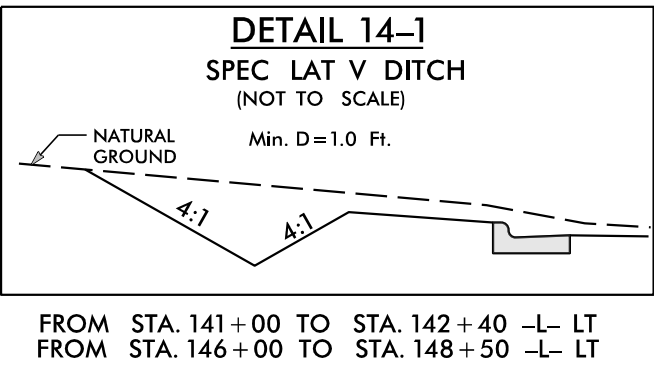
CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 14

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



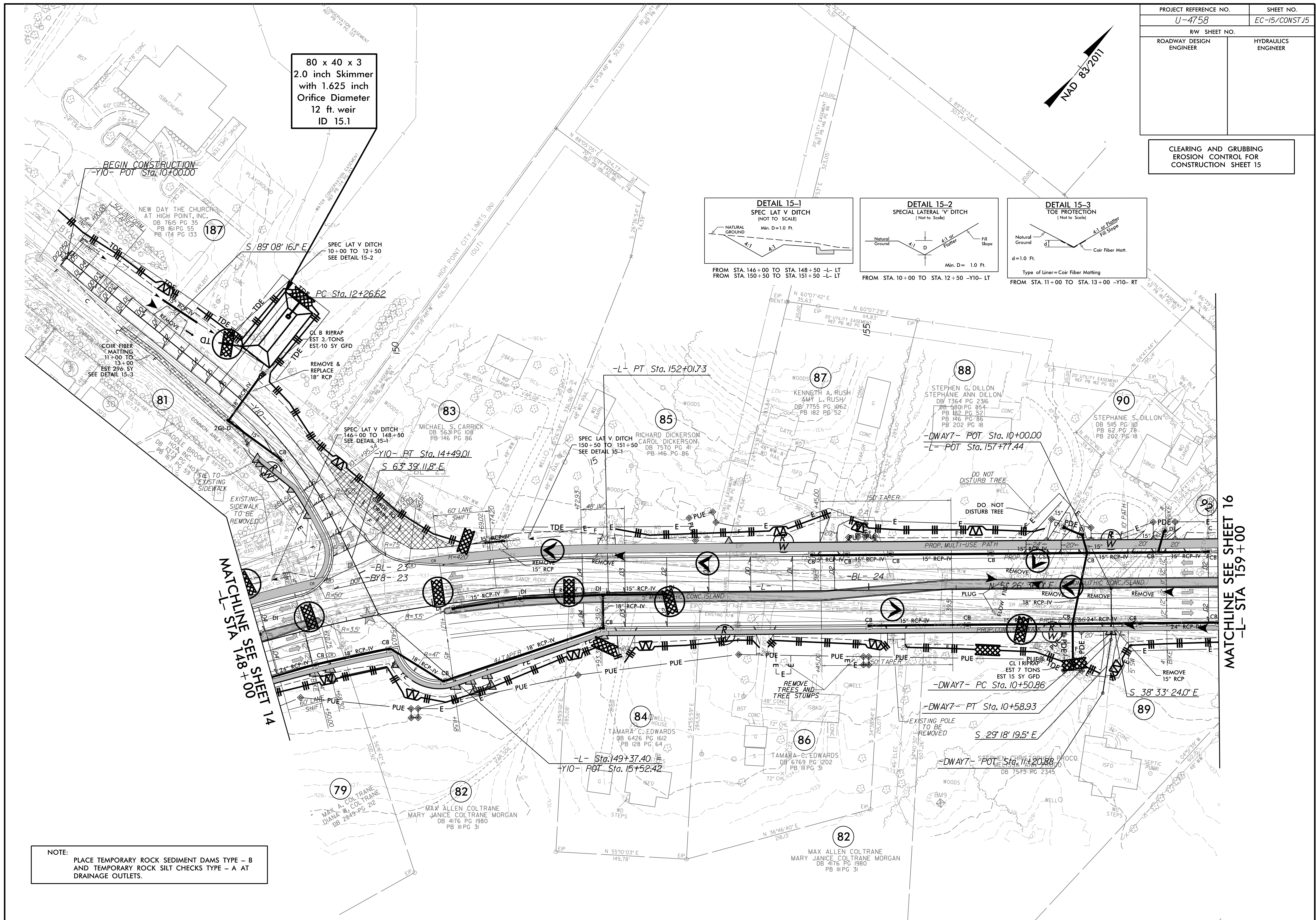
MATCHLINE SEE SHEET 13
-L- STA 136+00

MATCHLINE SEE SHEET 15
-L- STA 148+00



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.

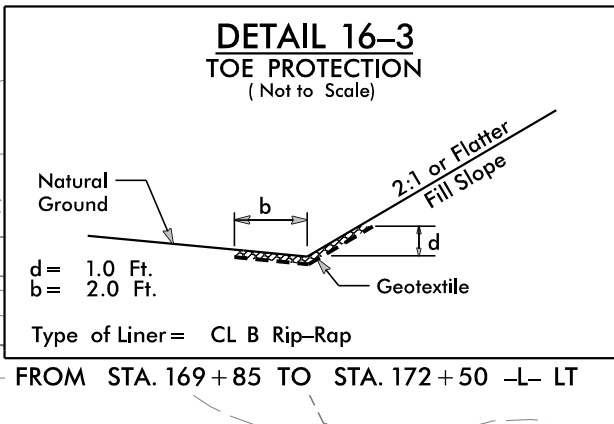
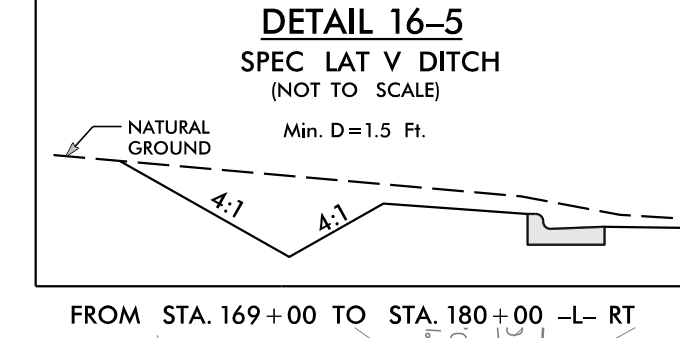
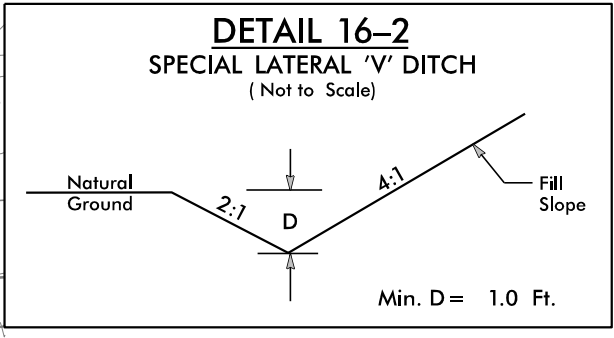
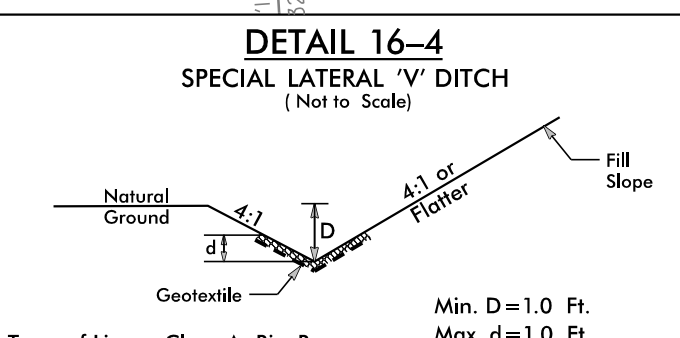
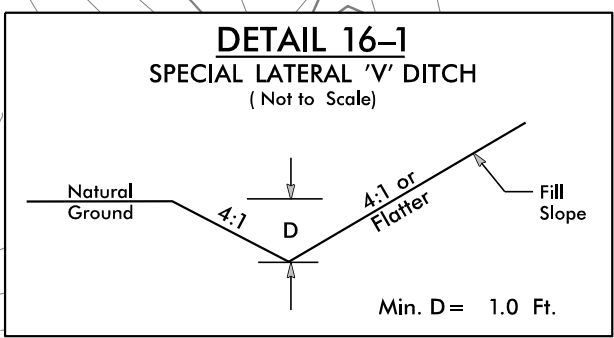
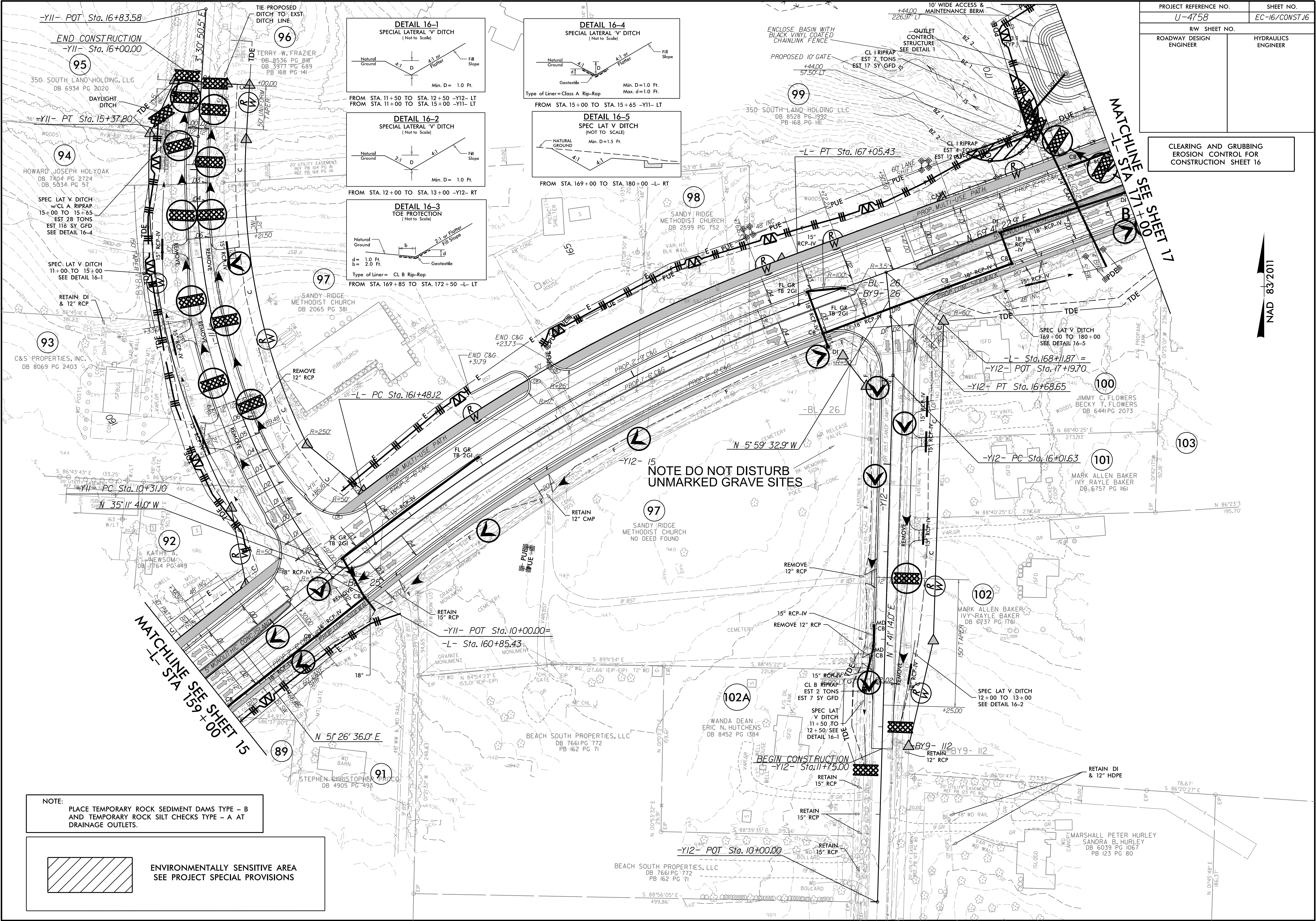
CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 15



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

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 16

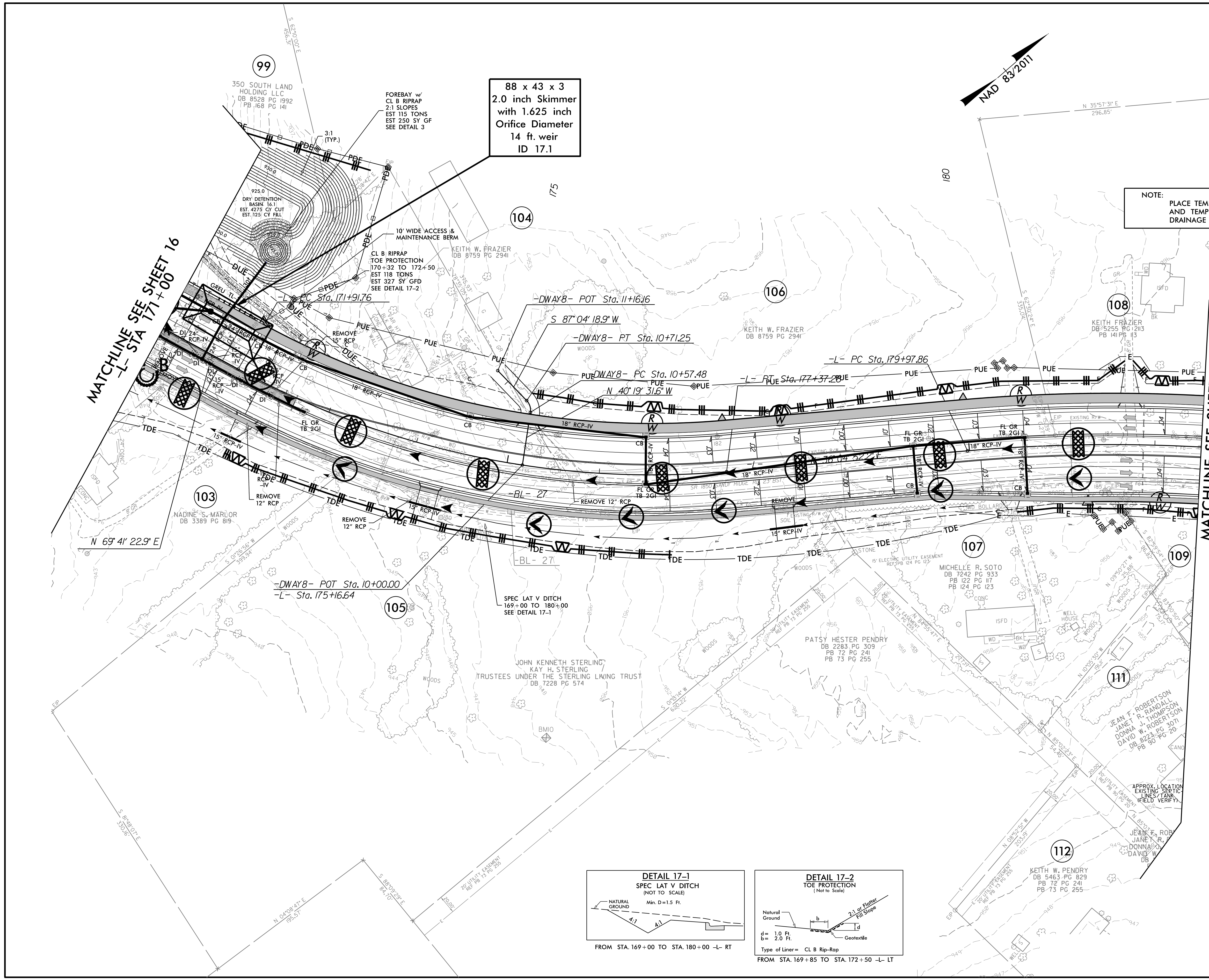
NAD 83/2011



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

ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS

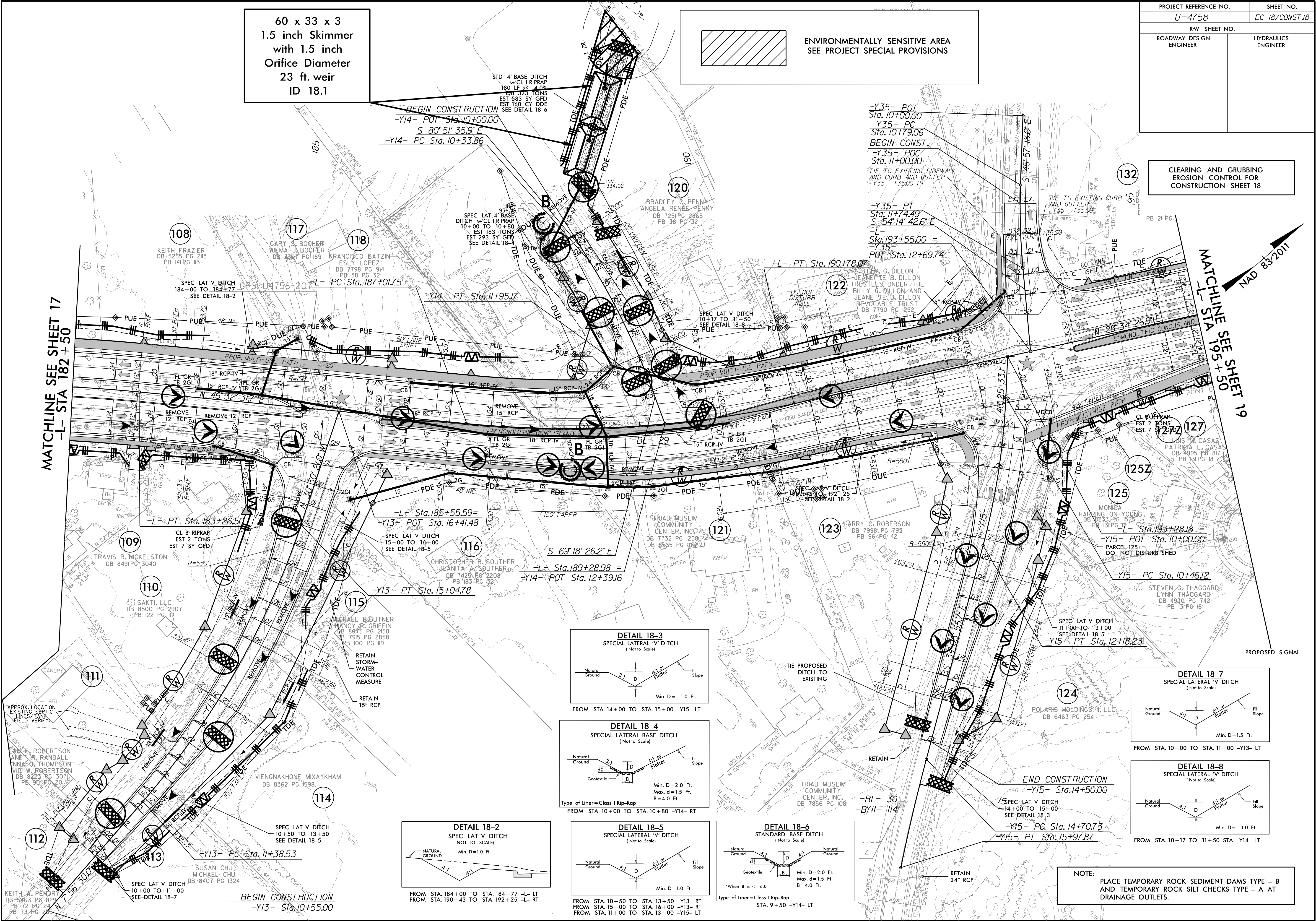
CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 17



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

ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 18



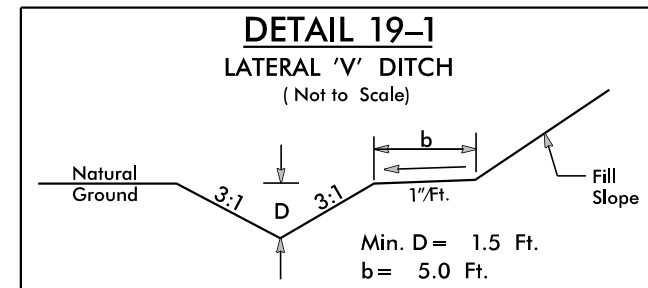
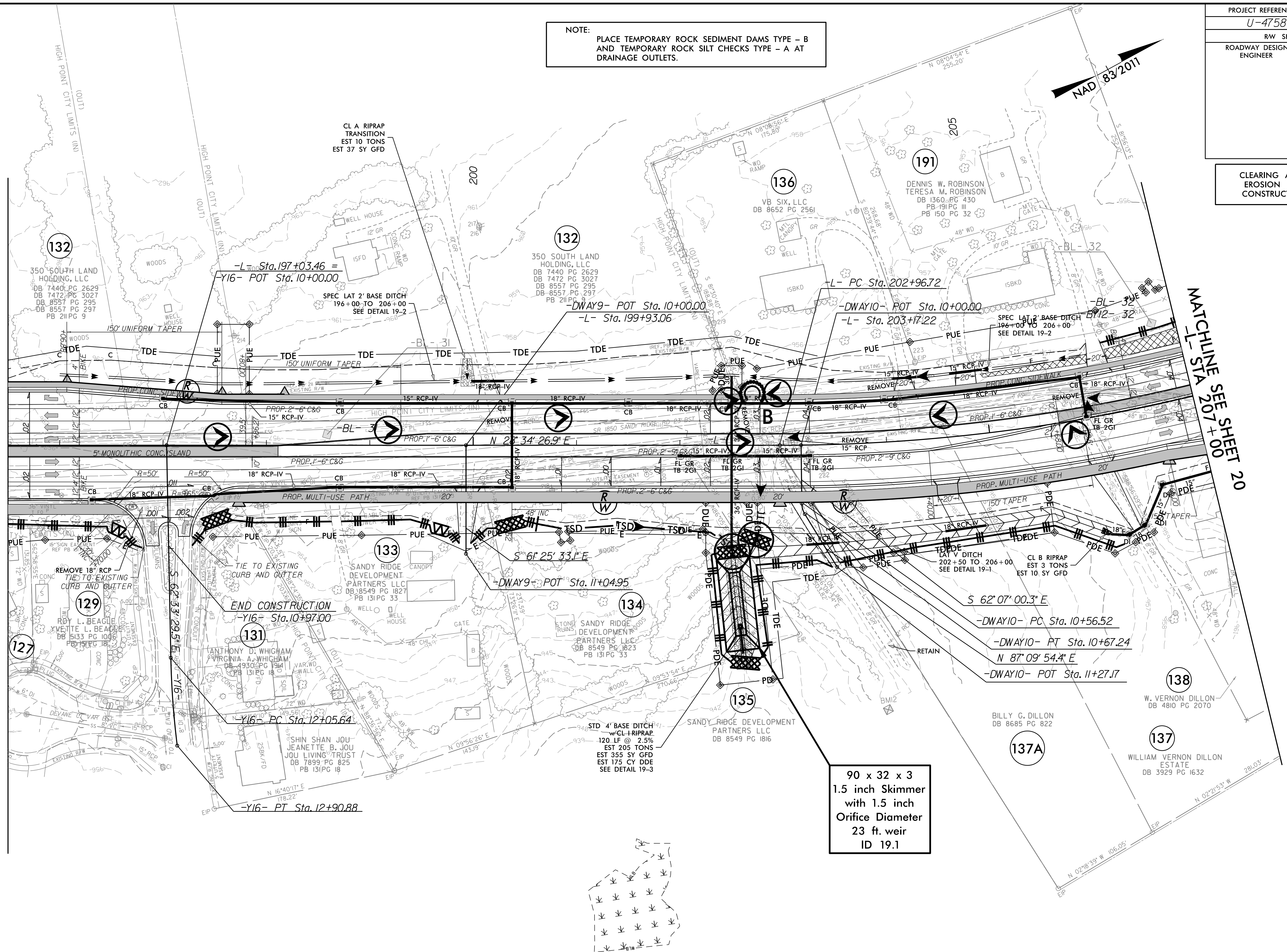
PROJECT REFERENCE NO.	SHEET NO.
U-4758	EC-19/CONST.19
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 19

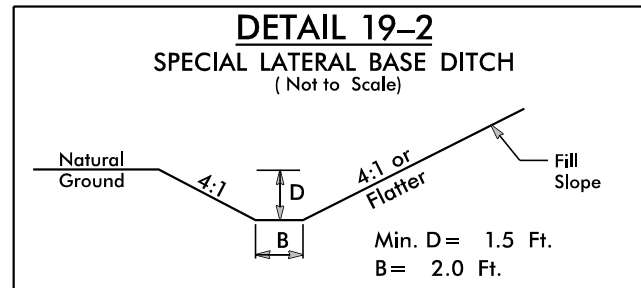
MATCHLINE SEE SHEET 18
-L- STA 195+50

MATCHLINE SEE SHEET 20
-L- STA 207+00

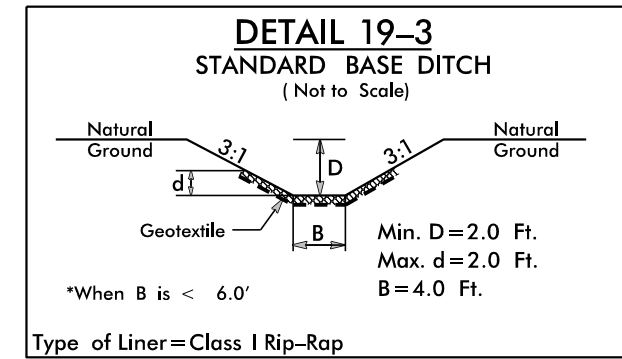
NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT
DRAINAGE OUTLETS.



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

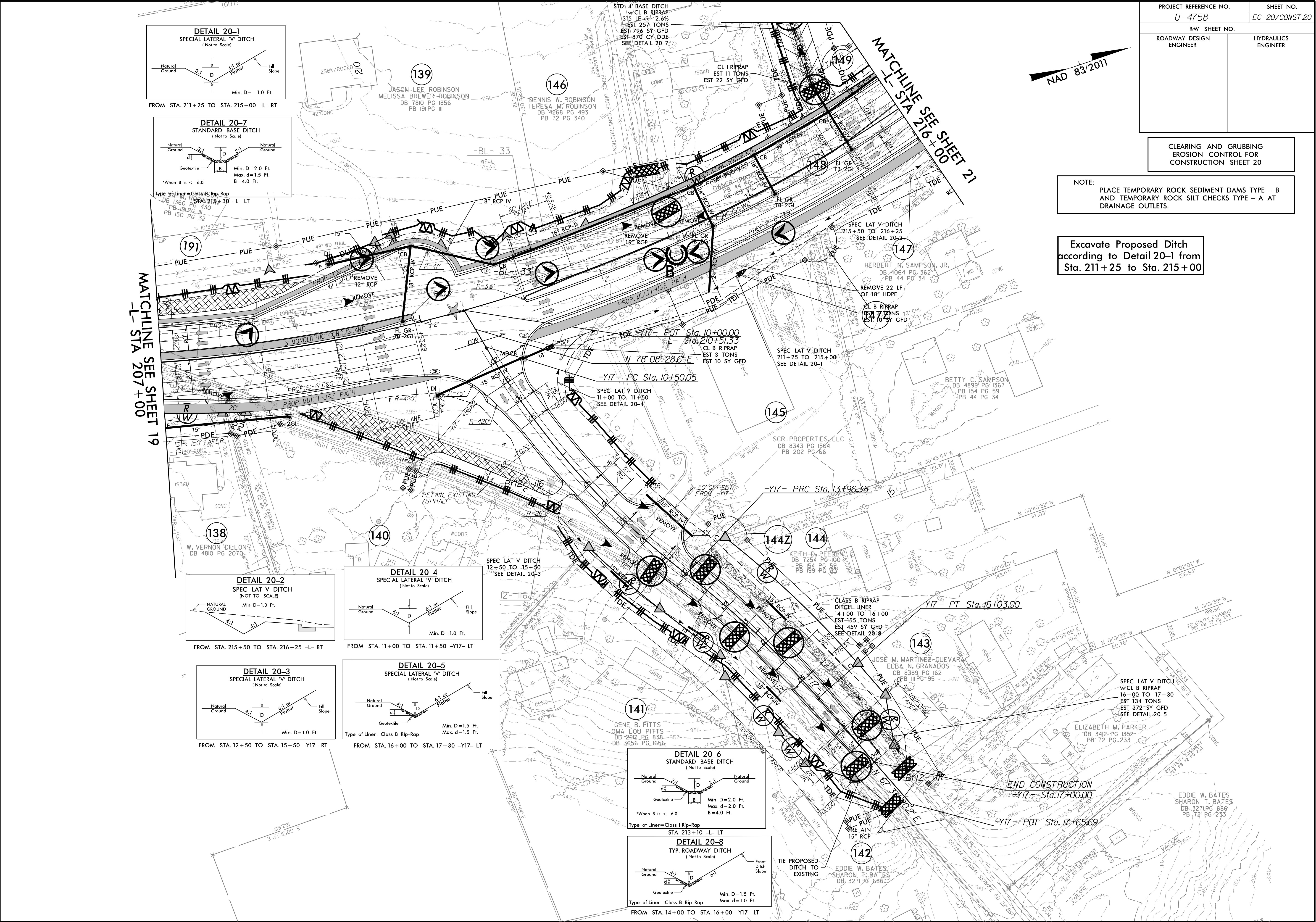
90 x 32 x 3
1.5 inch Skimmer
with 1.5 inch
Orifice Diameter
23 ft. weir
ID 19.1

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

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 20

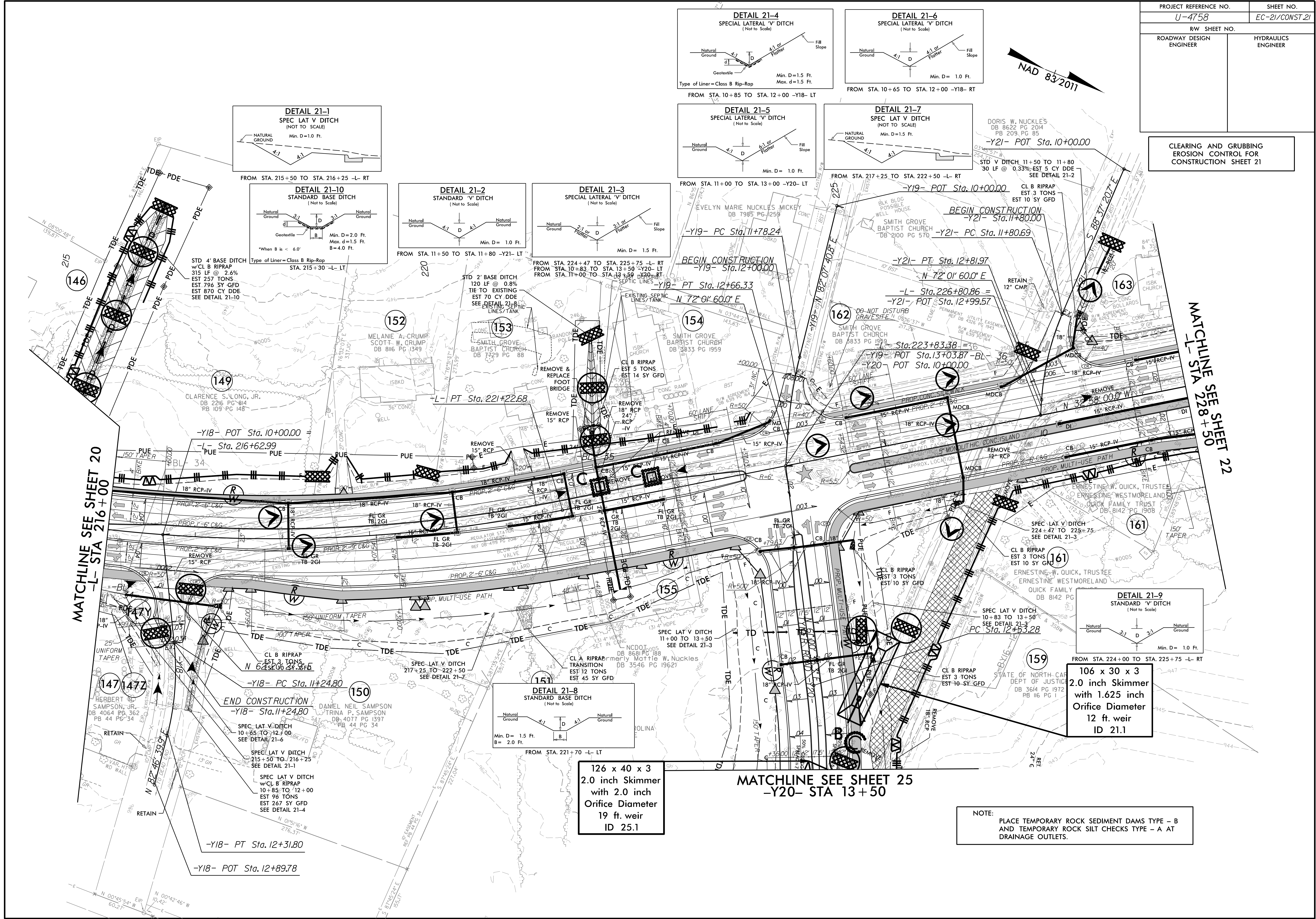
NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT
DRAINAGE OUTLETS.

Excavate Proposed Ditch
according to Detail 20-1 from
Sta. 211+25 to Sta. 215+00



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

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 21



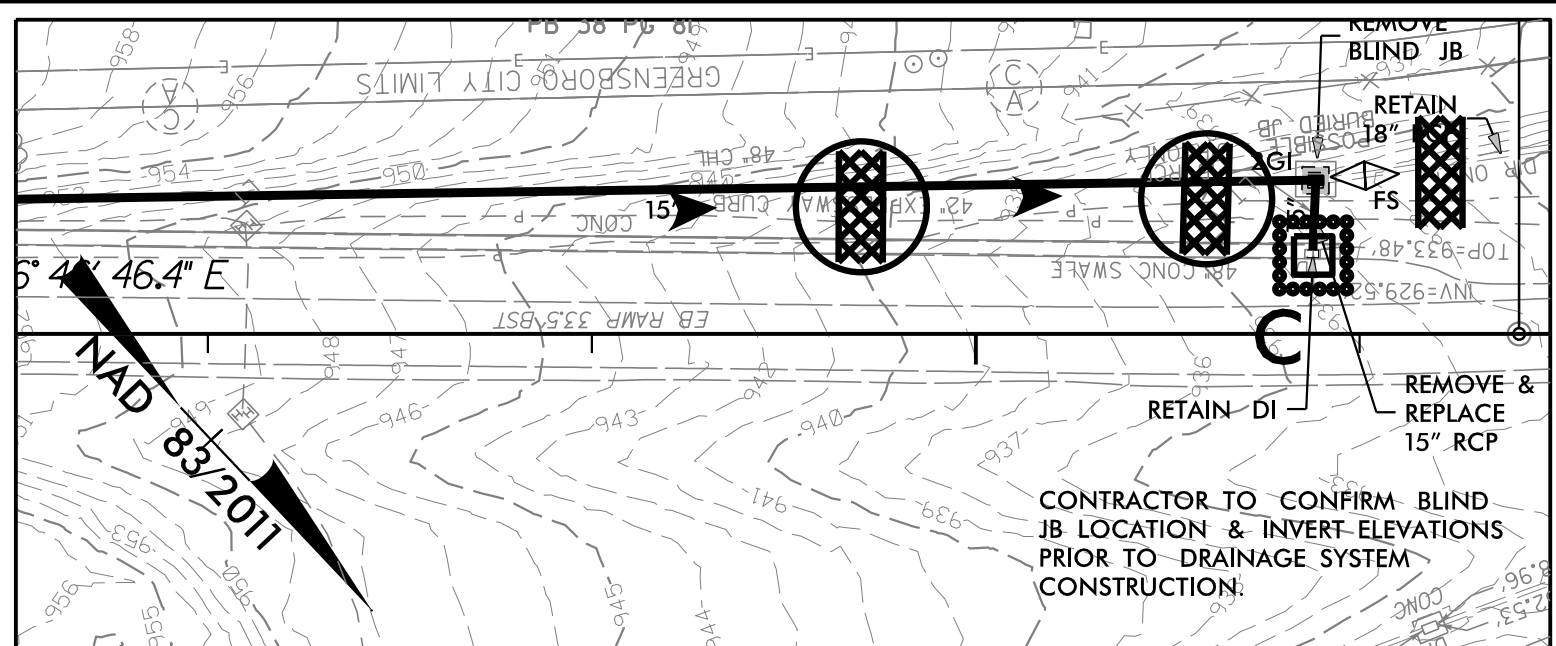
NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT
DRAINAGE OUTLETS.

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

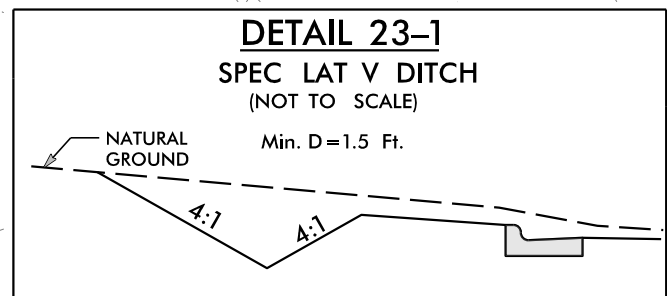
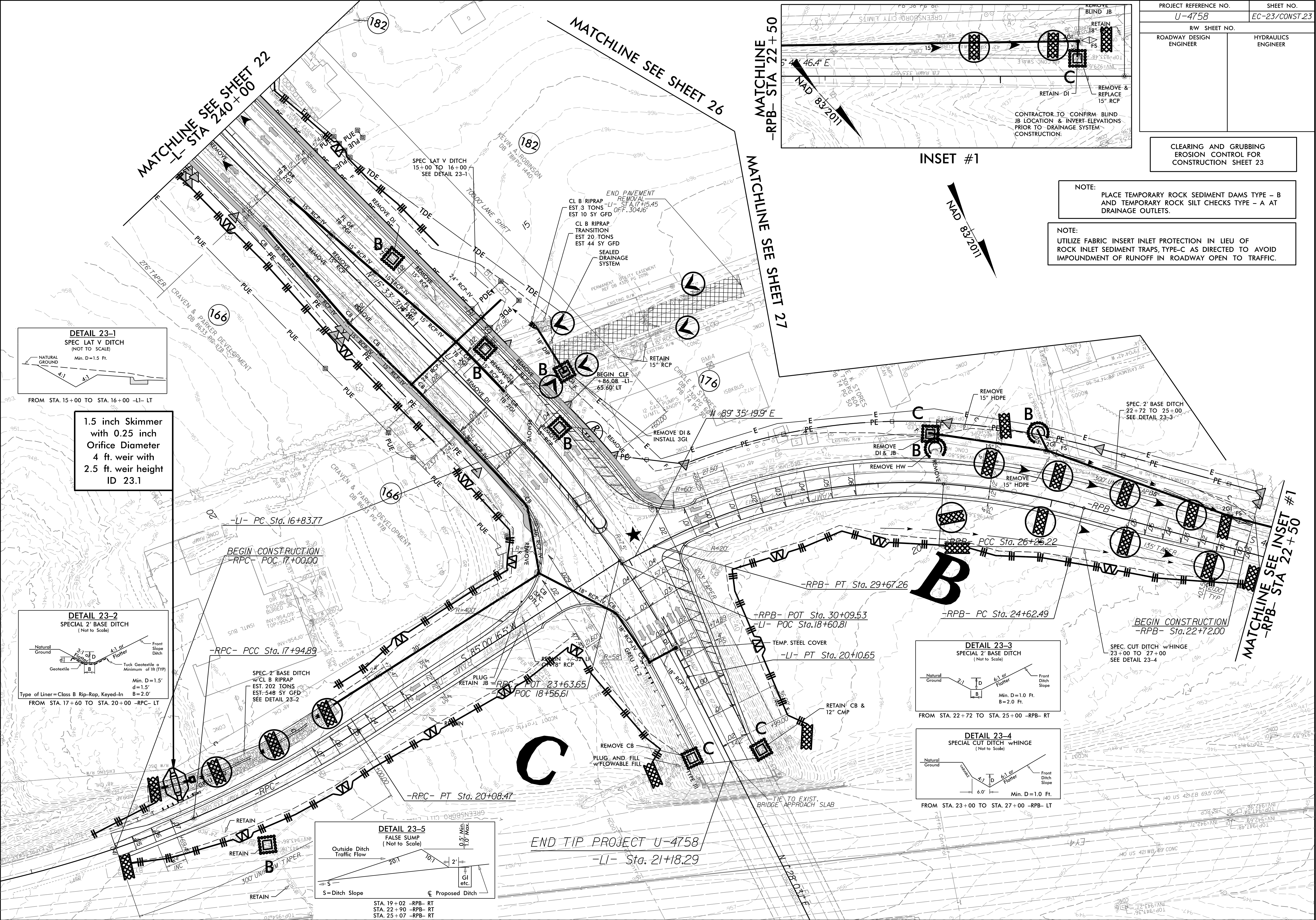
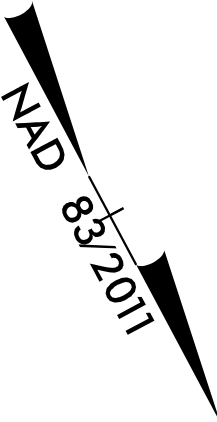
CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 23

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

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.

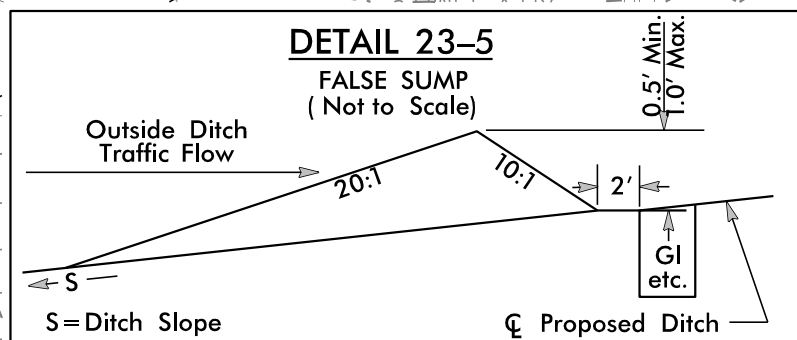
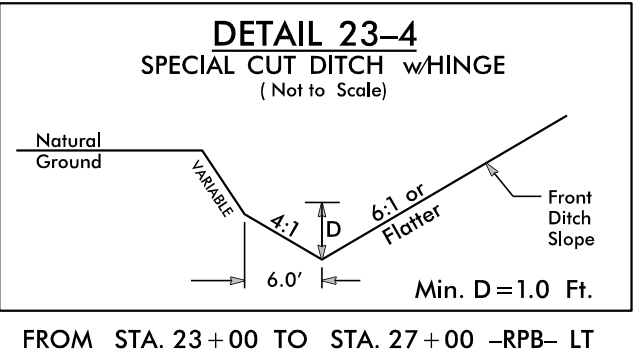
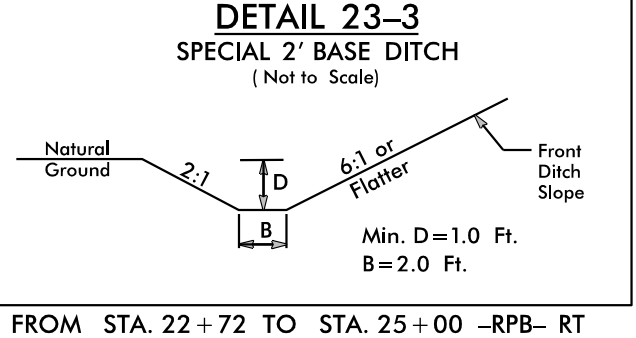
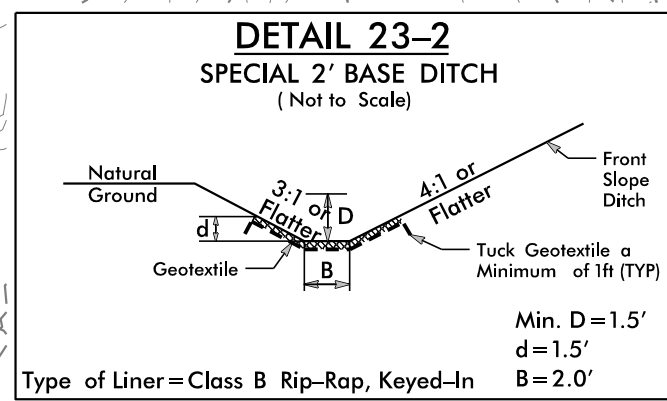


INSET #1



FROM STA. 15+00 TO STA. 16+00 -LI- LT

1.5 inch Skimmer
with 0.25 inch
Orifice Diameter
4 ft. weir with
2.5 ft. weir height
ID 23.1



END TIP PROJECT U-4758
-LI- Sta. 21+18.29

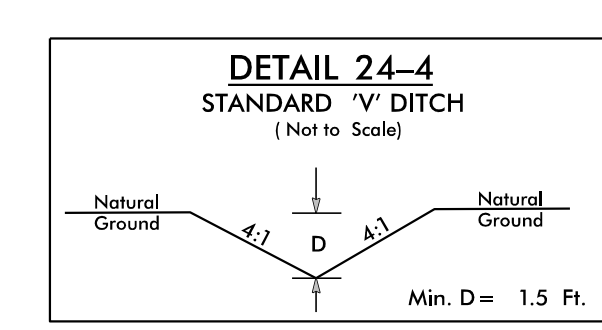
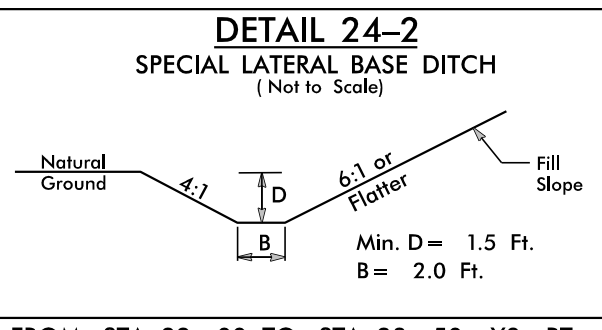
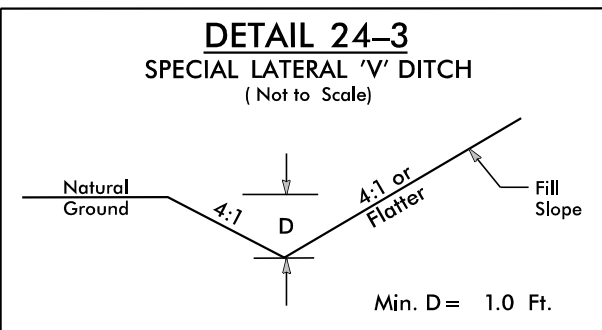
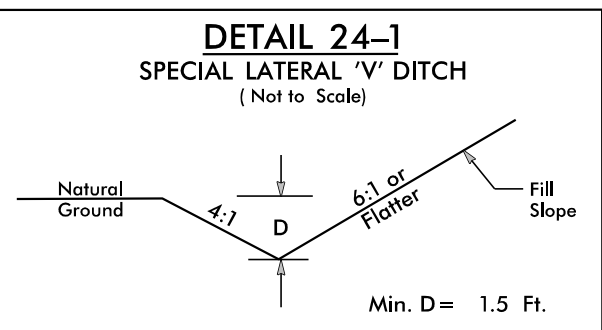
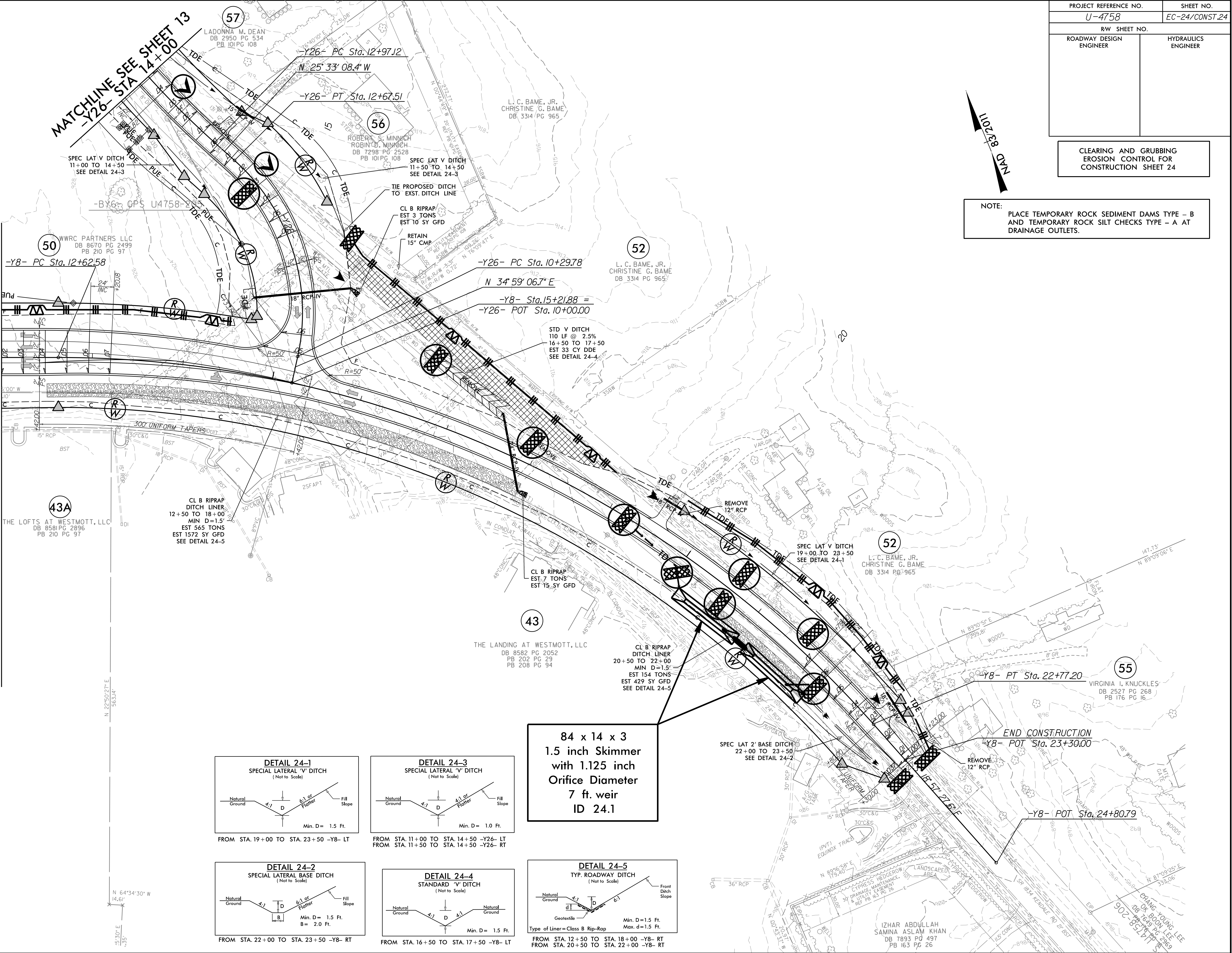
PROJECT REFERENCE NO.	SHEET NO.
U-4758	EC-24/CONST.24
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 24

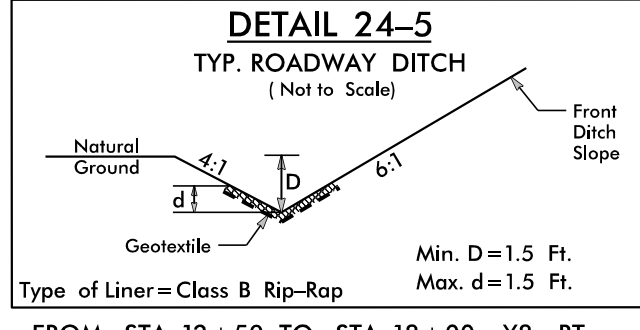
NOTE: PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

MATCHLINE SEE SHEET 12
-Y8- STA 12+00

MATCHLINE SEE SHEET 13
-Y26- STA 14+00



84 x 14 x 3
1.5 inch Skimmer
with 1.125 inch
Orifice Diameter
7 ft. weir
ID 24.1



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

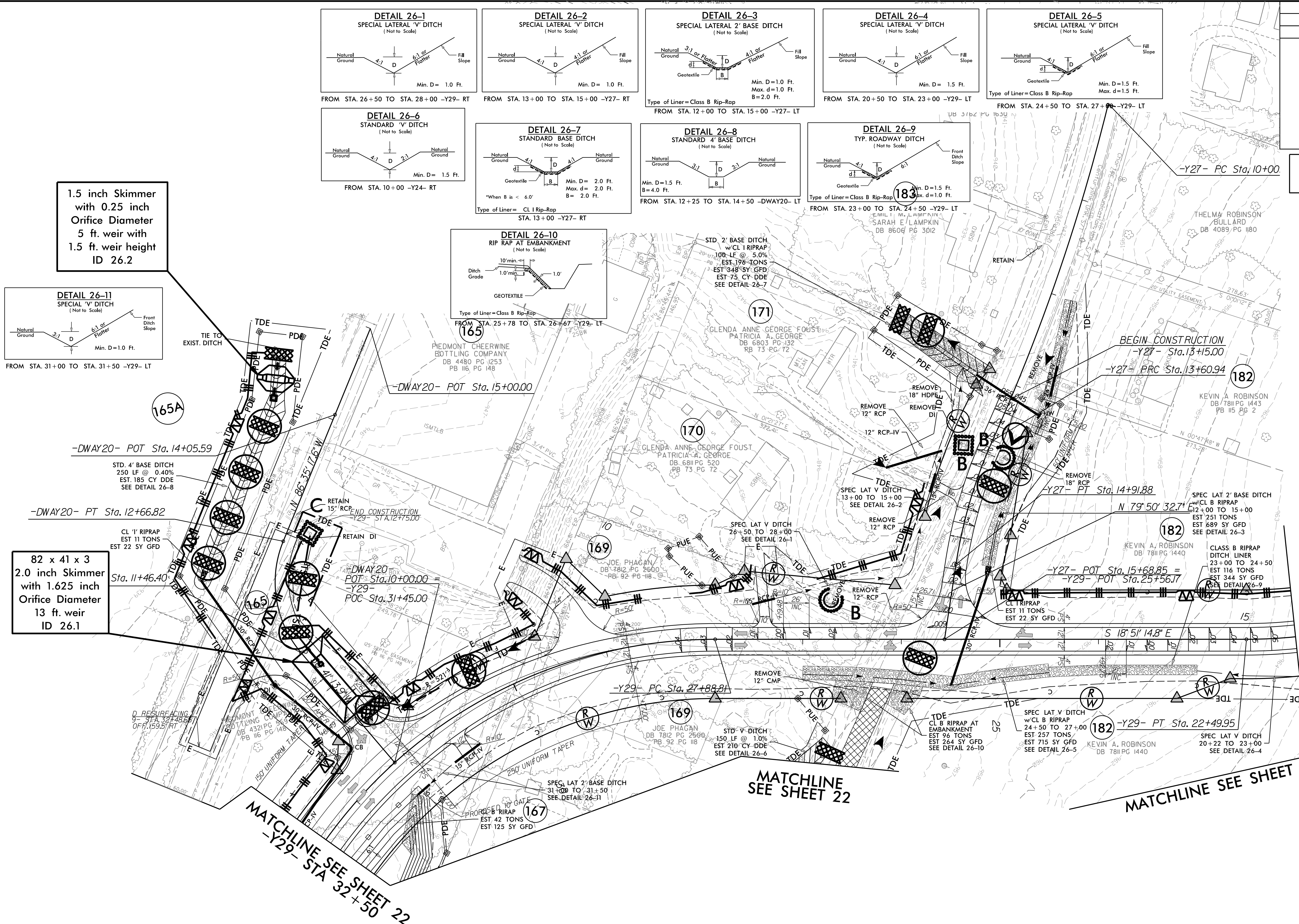
CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 26

NAD 83/2011

MATCHLINE SEE SHEET 27
-Y29- STA 22+00

MATCHLINE SEE SHEET 23

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



1.5 inch Skimmer
with 0.25 inch
Orifice Diameter
5 ft. weir with
1.5 ft. weir height
ID 26.2

DETAIL 26-11
SPECIAL 'V' DITCH
(Not to Scale)
FROM STA. 31+00 TO STA. 31+50 -Y29- LT

82 x 41 x 3
2.0 inch Skimmer
with 1.625 inch
Orifice Diameter
13 ft. weir
ID 26.1

MATCHLINE SEE SHEET 22
-Y29- STA 32+50

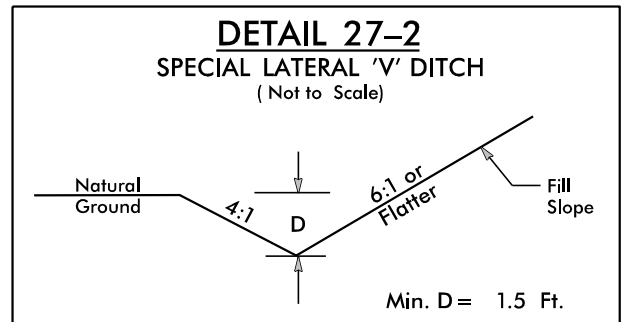
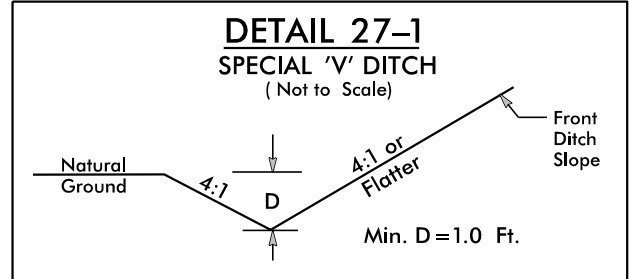
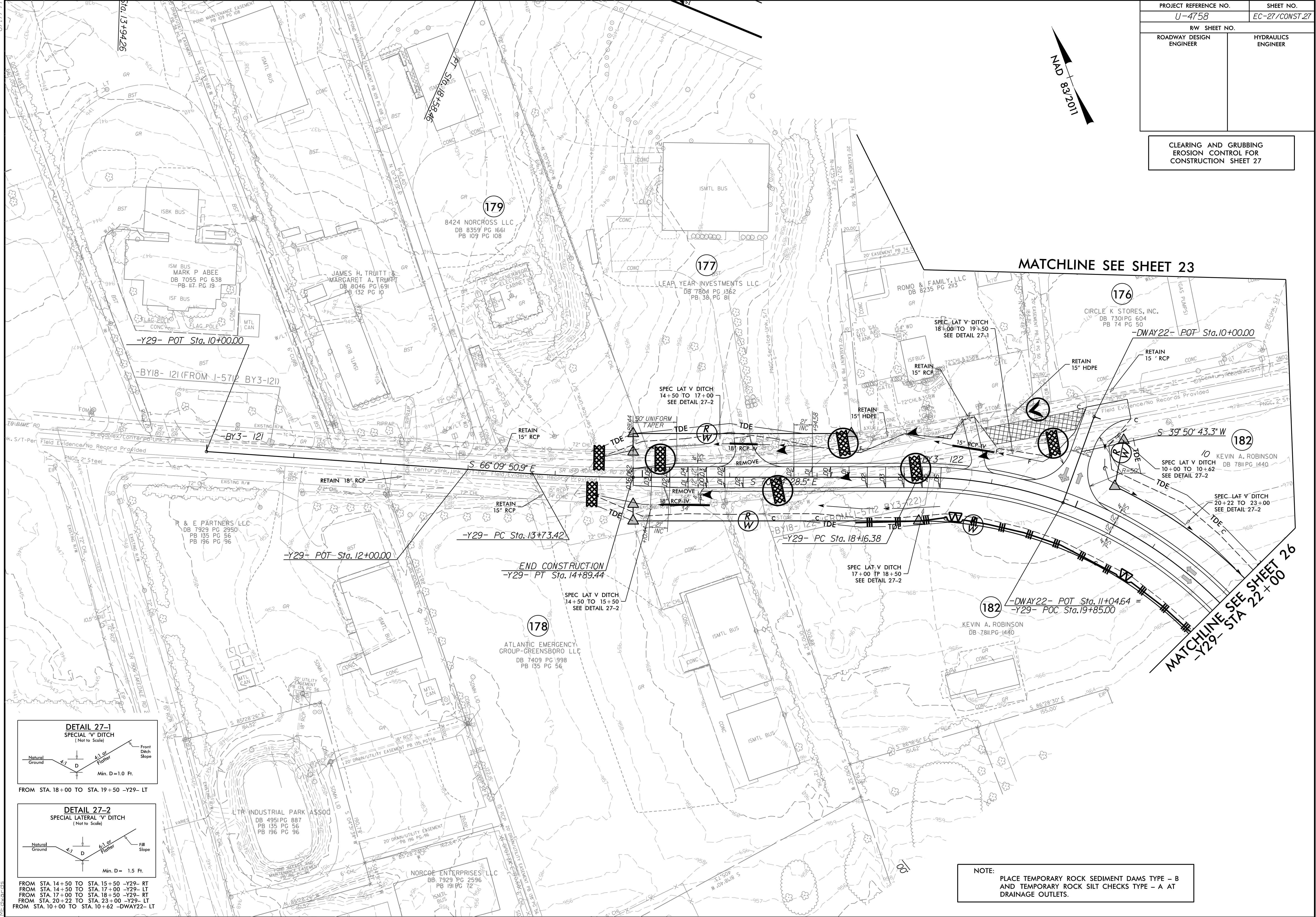
PROJECT REFERENCE NO.		SHEET NO.	
U-4758		EC-27/CONST.27	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 27

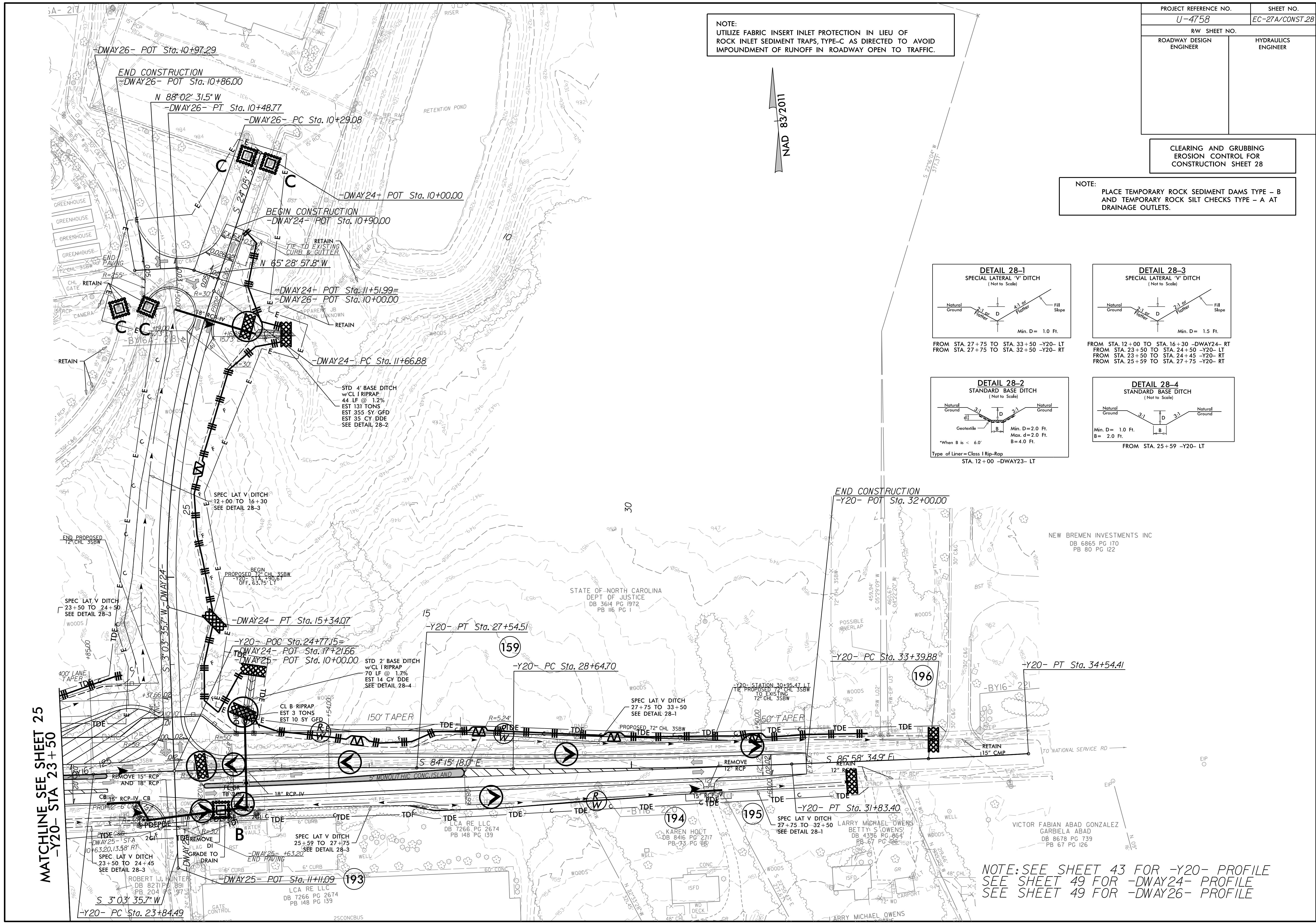
NAD 83 2011

MATCHLINE SEE SHEET 23

MATCHLINE SEE SHEET 26
-Y29- STA 22+00



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

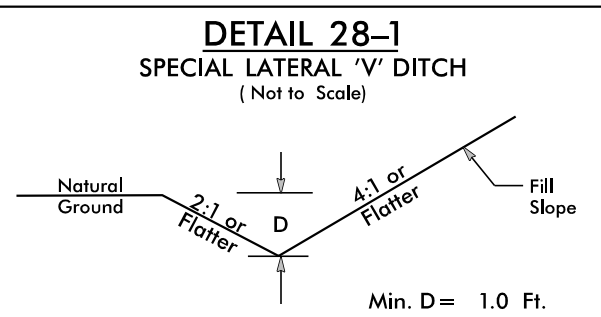


NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION IN LIEU OF
ROCK INLET SEDIMENT TRAPS, TYPE-C AS DIRECTED TO AVOID
IMPOUNDMENT OF RUNOFF IN ROADWAY OPEN TO TRAFFIC.

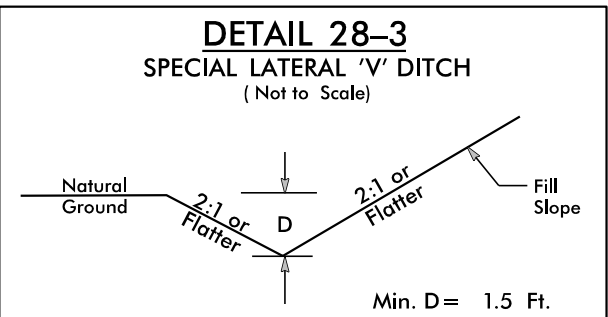
PROJECT REFERENCE NO.	SHEET NO.
U-4758	EC-27A/CONST. 28
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 28

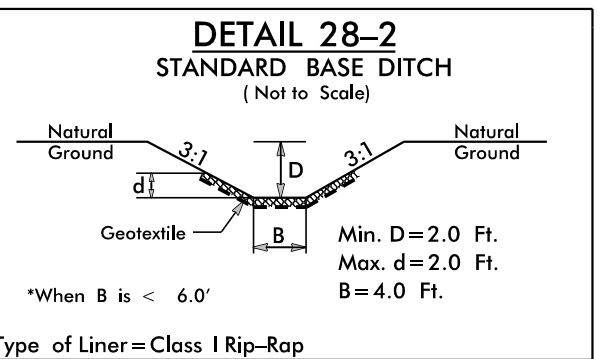
NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT
DRAINAGE OUTLETS.



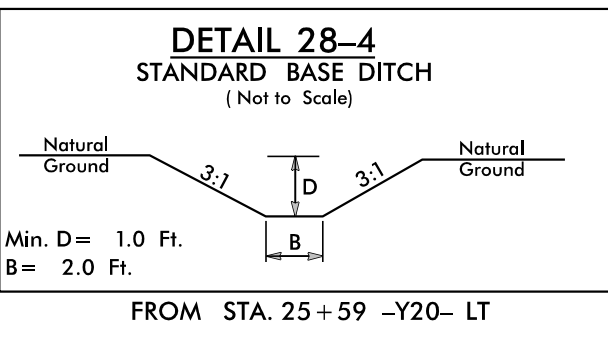
FROM STA. 27+75 TO STA. 33+50 -Y20- LT
FROM STA. 27+75 TO STA. 32+50 -Y20- RT



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



*When B is < 6.0'
Type of Liner = Class I Rip-Rap
STA. 12+00 -DWAY23- LT

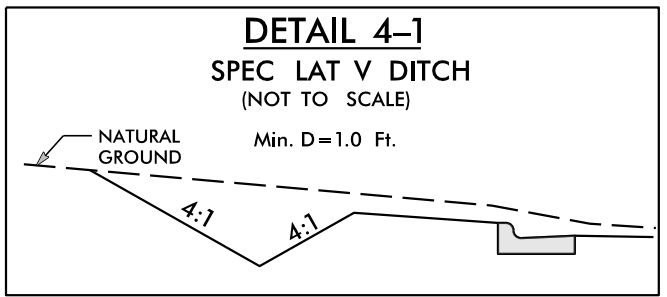


FROM STA. 25+59 -Y20- LT

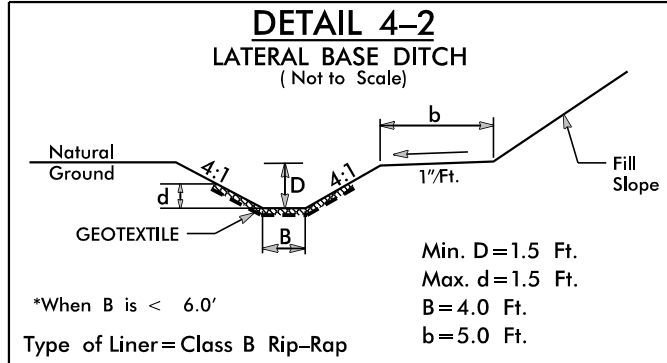
NOTE: SEE SHEET 43 FOR -Y20- PROFILE
SEE SHEET 49 FOR -DWAY24- PROFILE
SEE SHEET 49 FOR -DWAY26- PROFILE

PROJECT REFERENCE NO.	SHEET NO.
U-4758	EC-28/CONST.04
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

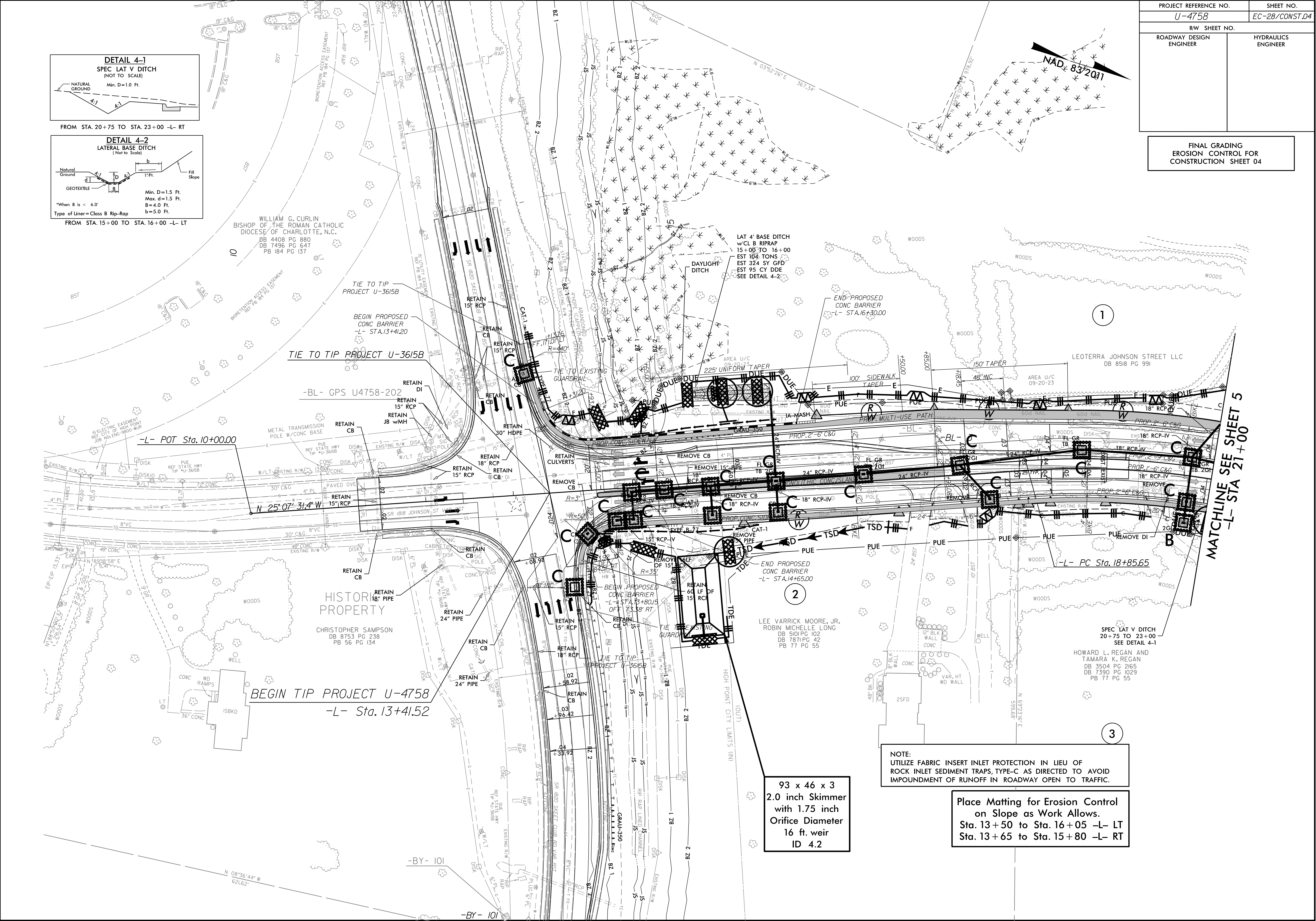
FINAL GRADING
EROSION CONTROL FOR
CONSTRUCTION SHEET 04



FROM STA. 20+75 TO STA. 23+00 -L- RT

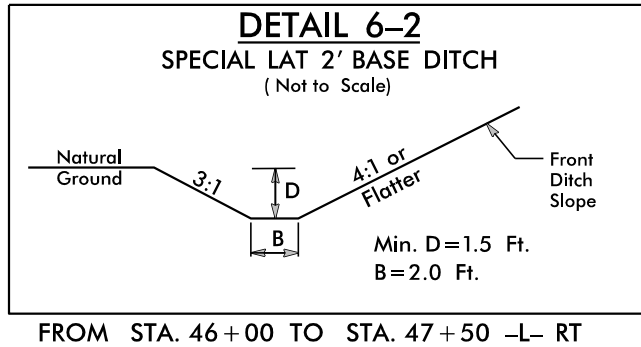
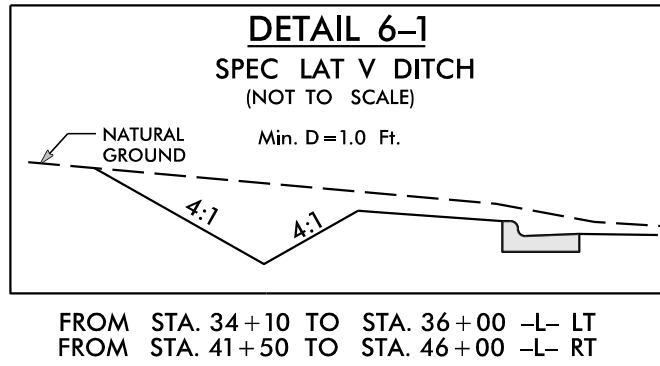
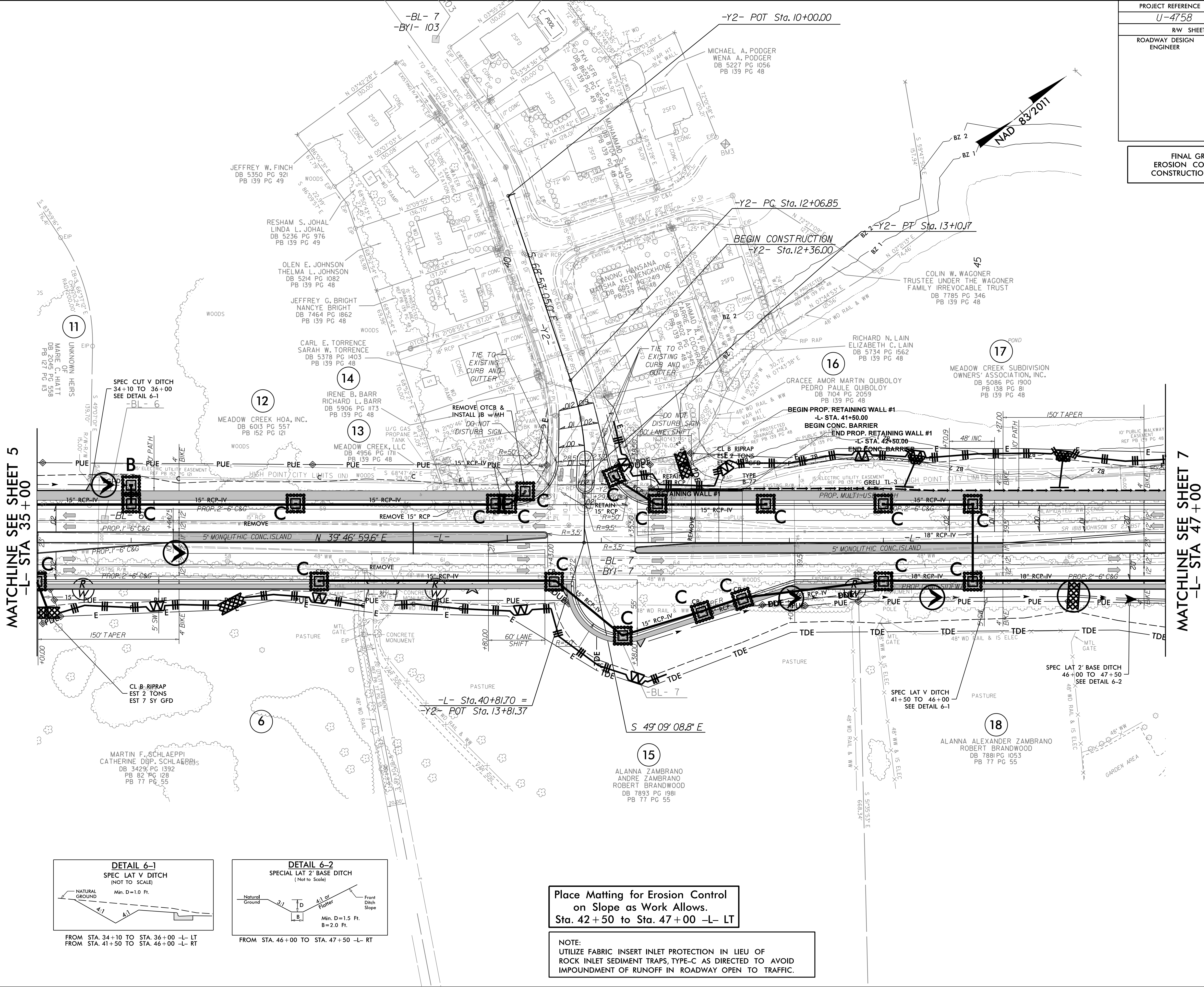


FROM STA. 15+00 TO STA. 16+00 -L- LT



PROJECT REFERENCE NO.		SHEET NO.	
U-4758		EC-30/CONST.06	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	

FINAL GRADING
EROSION CONTROL FOR
CONSTRUCTION SHEET 06



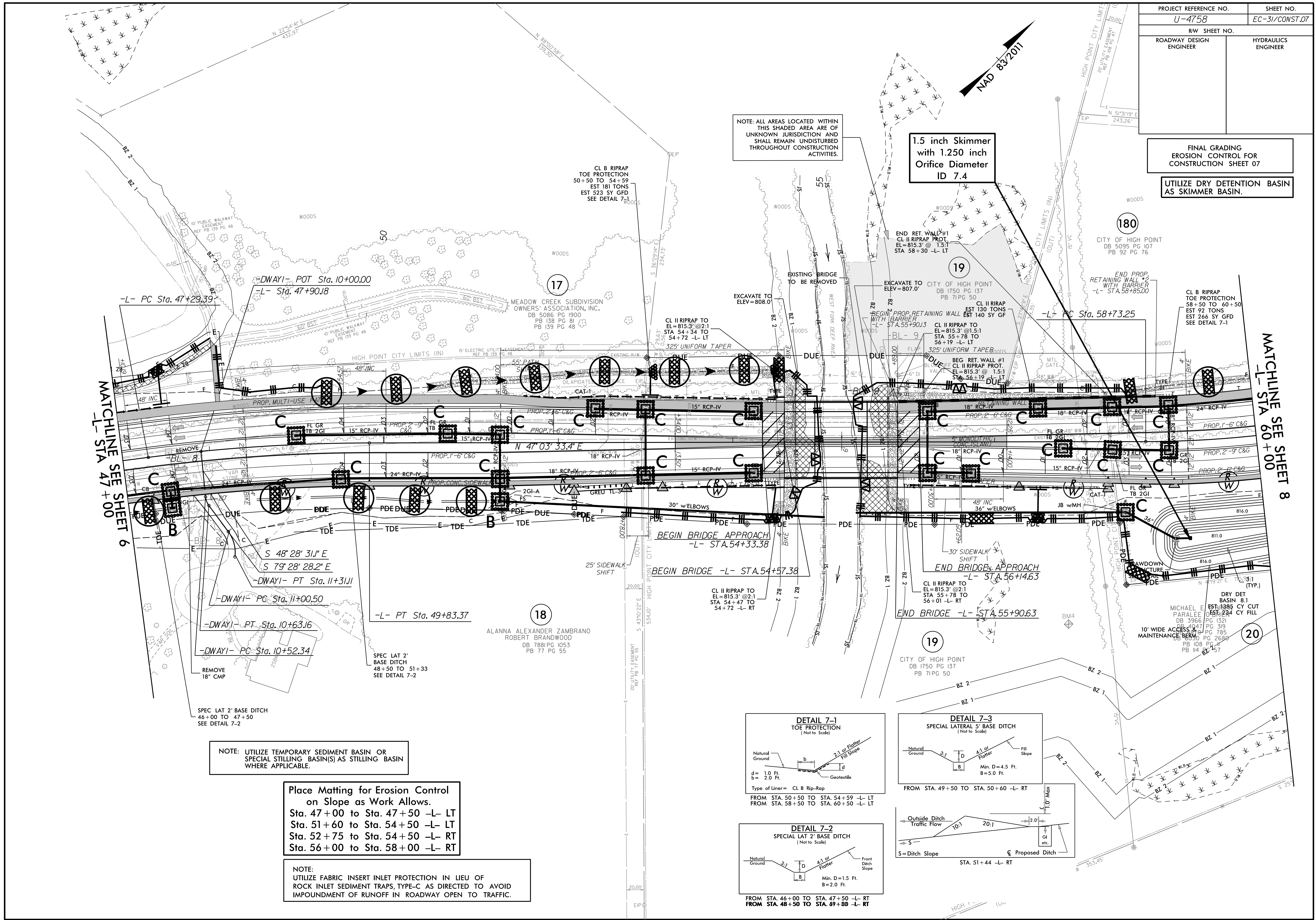
Place Matting for Erosion Control
on Slope as Work Allows.
Sta. 42+50 to Sta. 47+00 -L- LT

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-31/CONST.07	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	

FINAL GRADING
EROSION CONTROL FOR
CONSTRUCTION SHEET 07

UTILIZE DRY DETENTION BASIN
AS SKIMMER BASIN.



NOTE: ALL AREAS LOCATED WITHIN THIS SHADED AREA ARE OF UNKNOWN JURISDICTION AND SHALL REMAIN UNDISTURBED THROUGHOUT CONSTRUCTION ACTIVITIES.

1.5 inch Skimmer
with 1.250 inch
Orifice Diameter
ID 7.4

NOTE: UTILIZE TEMPORARY SEDIMENT BASIN OR SPECIAL STILLING BASIN(S) AS STILLING BASIN WHERE APPLICABLE.

Place Matting for Erosion Control
on Slope as Work Allows.
Sta. 47+00 to Sta. 47+50 -L- LT
Sta. 51+60 to Sta. 54+50 -L- LT
Sta. 52+75 to Sta. 54+50 -L- RT
Sta. 56+00 to Sta. 58+00 -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.

