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**TIP PROJECT: R-3825B**

**CONTRACT:**

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

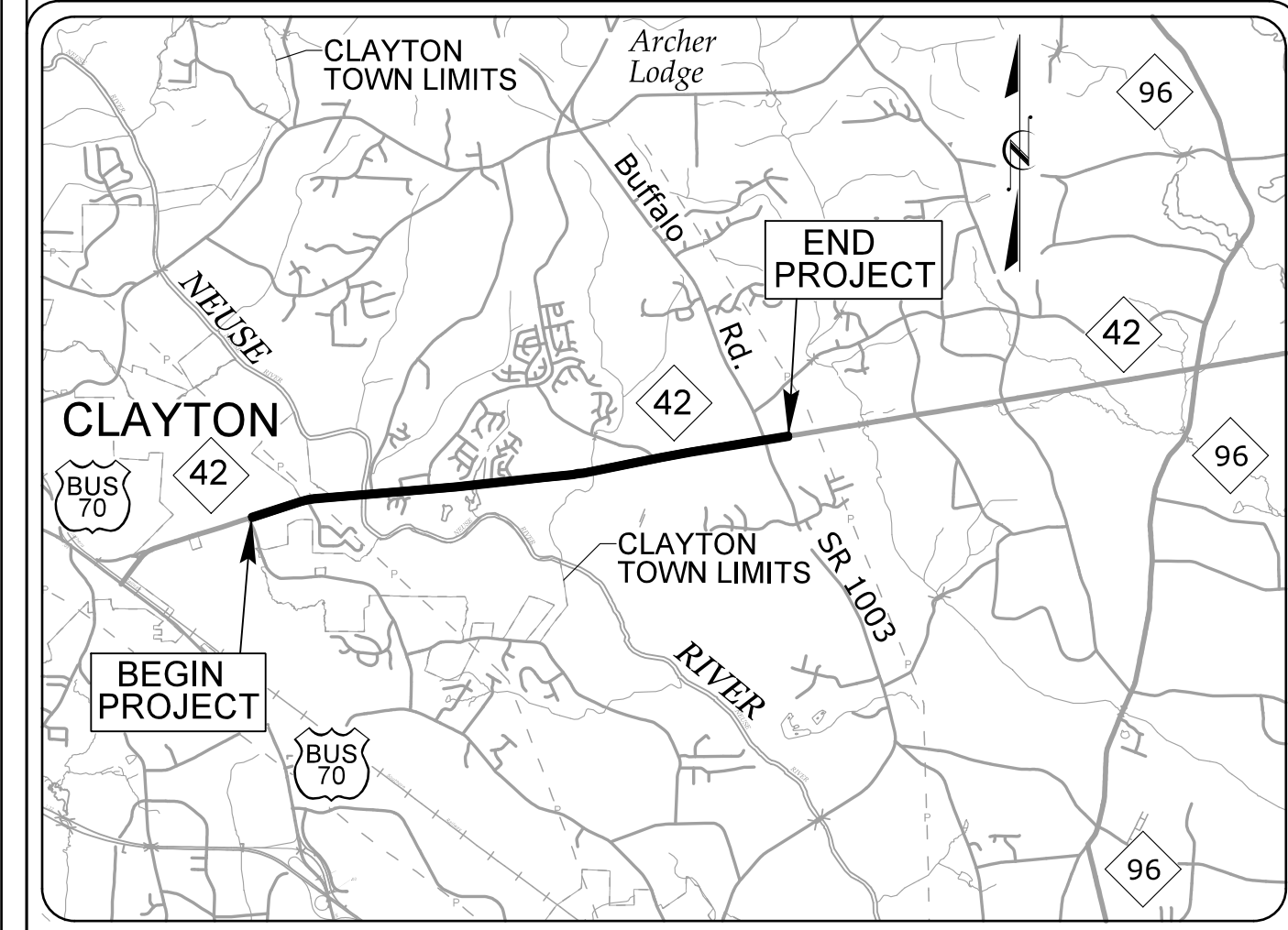
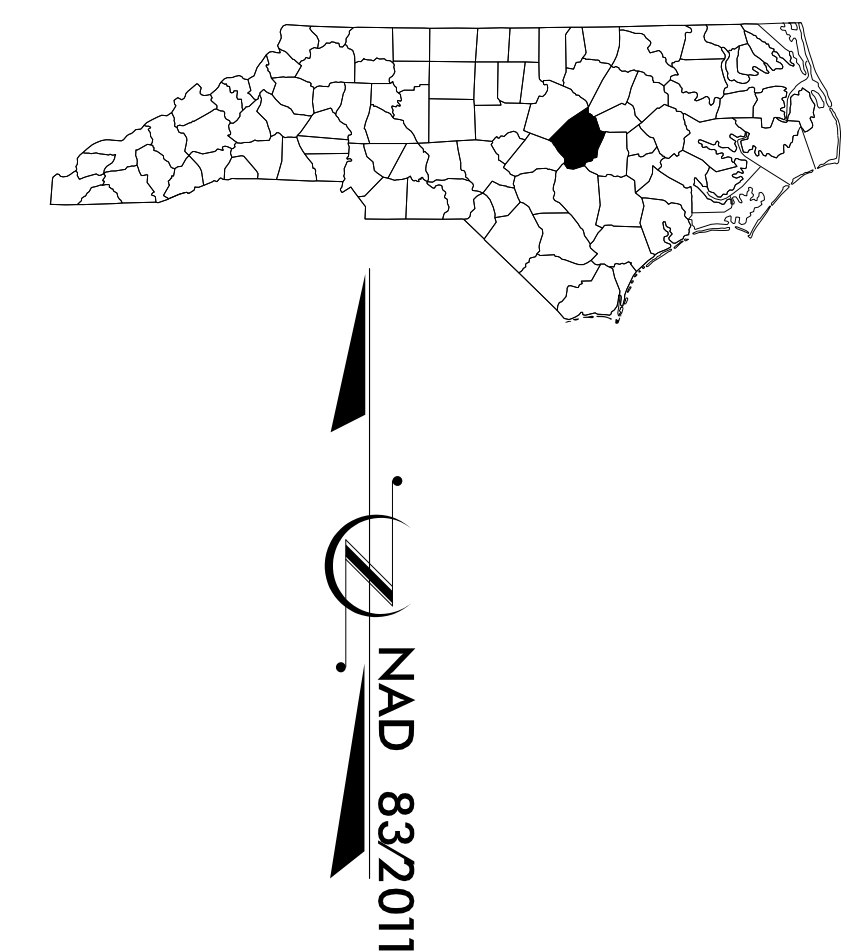
PLAN FOR PROPOSED  
CLEARING & GRUBBING  
HIGHWAY EROSION CONTROL

**JOHNSTON COUNTY**

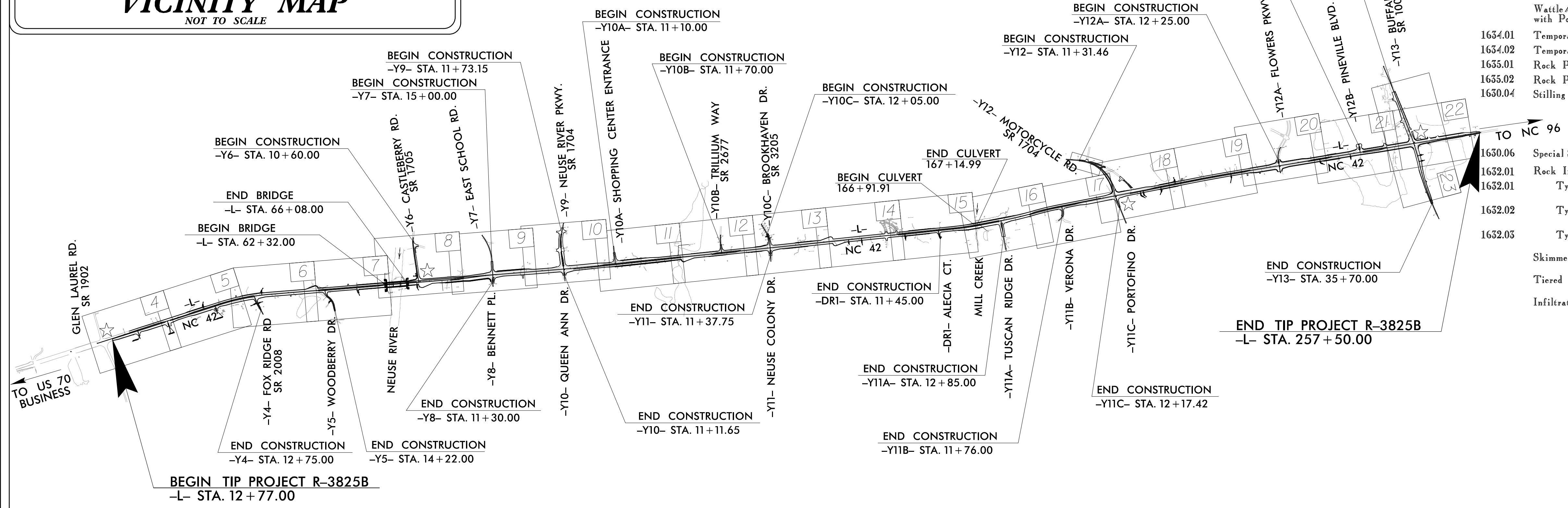
**LOCATION: NC 42 FROM SR 1902 (GLEN LAUREL RD)  
TO SR 1003 (BUFFALO RD)**

**TYPE OF WORK: GRADING, PAVING, STRUCTURES,  
DRAINAGE AND SIGNALS**

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	R-3825B	EC-1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
34552.1.FR3	STP-0042(58)	P.E.	



**VICINITY MAP**  
NOT TO SCALE



**EROSION AND SEDIMENT CONTROL MEASURES**

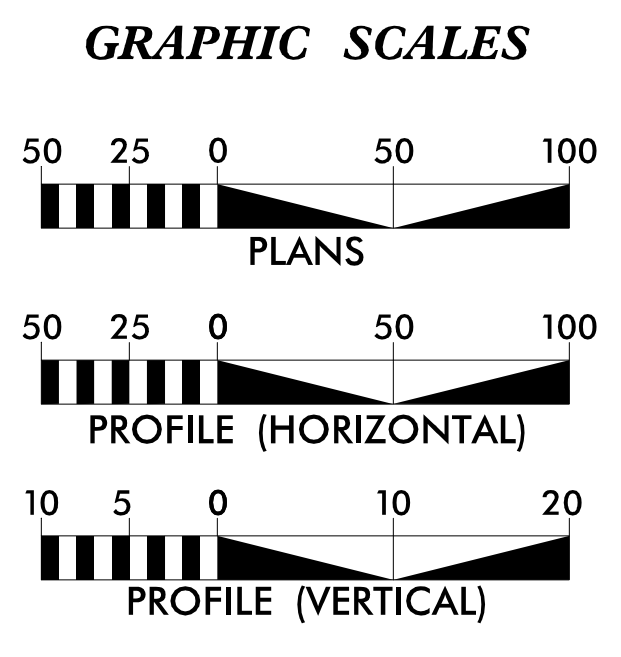
Std. #	Description	Symbol
1650.05	Temporary Silt Ditch	---
1650.05	Temporary Diversion	---
1605.01	Temporary Silt Fence	
1606.01	Special Sediment Control Fence	
1622.01	Temporary Berms and Slope Drains	--->
1650.02	Silt Basin Type B	▭
1633.01	Temporary Rock Silt Check Type-A	▨
	Temporary Rock Silt Check Type-A with Matting and Polyacrylamide (PAM)	▨
1633.02	Temporary Rock Silt Check Type-B	▨
	Wattle / Coir Fiber Wattle	▭
	Wattle / Coir Fiber Wattle with Polyacrylamide (PAM)	▭
1654.01	Temporary Rock Sediment Dam Type-A	▭
1654.02	Temporary Rock Sediment Dam Type-B	▭
1635.01	Rock Pipe Inlet Sediment Trap Type-A	⊕
1655.02	Rock Pipe Inlet Sediment Trap Type-B	⊕
1650.04	Stilling Basin	▭
1650.06	Special Stilling Basin	▭
1652.01	Rock Inlet Sediment Trap Type A	A
1652.01	Type B	B
1652.02	Type C	C
1652.05	Skimmer Basin	▭
	Tiered Skimmer Basin	▭
	Infiltration Basin	▭

**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 CONSTRUCTION PERMIT EFFECTIVE AUGUST 1, 2016 AND ISSUED BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES DIVISION OF WATER RESOURCES.

Prepared in the Office of:  
**AECOM**  
Firm License No. F-0342  
701 Corporate Center Drive, Suite 475  
Raleigh NC 27607  
(919) 854-6200 (919) 854-6259 (Fax)

Designed by:  
**RENE REMY CPESC, CPSWQ** 3125  
NAME LEVEL III CERTIFICATION NO.

Reviewed In the Office of:  
**ROADSIDE ENVIRONMENTAL UNIT**  
1 South Wilmington St.  
Raleigh, NC 27611

**2018 STANDARD SPECIFICATIONS**

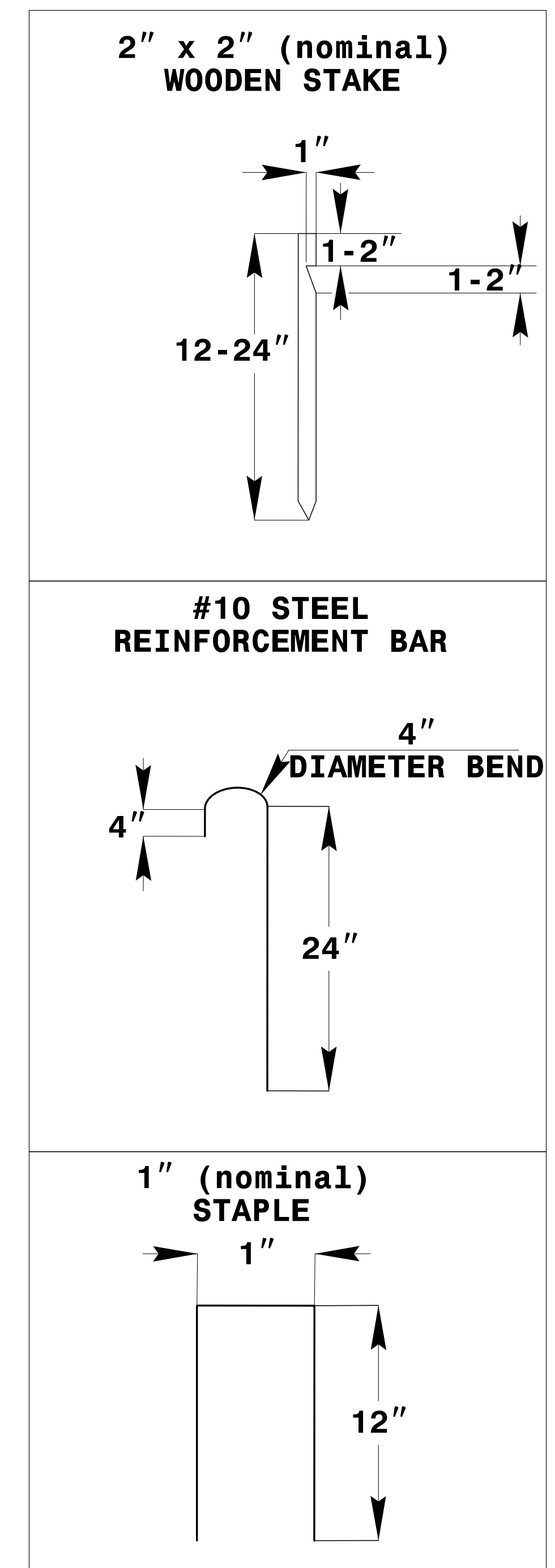
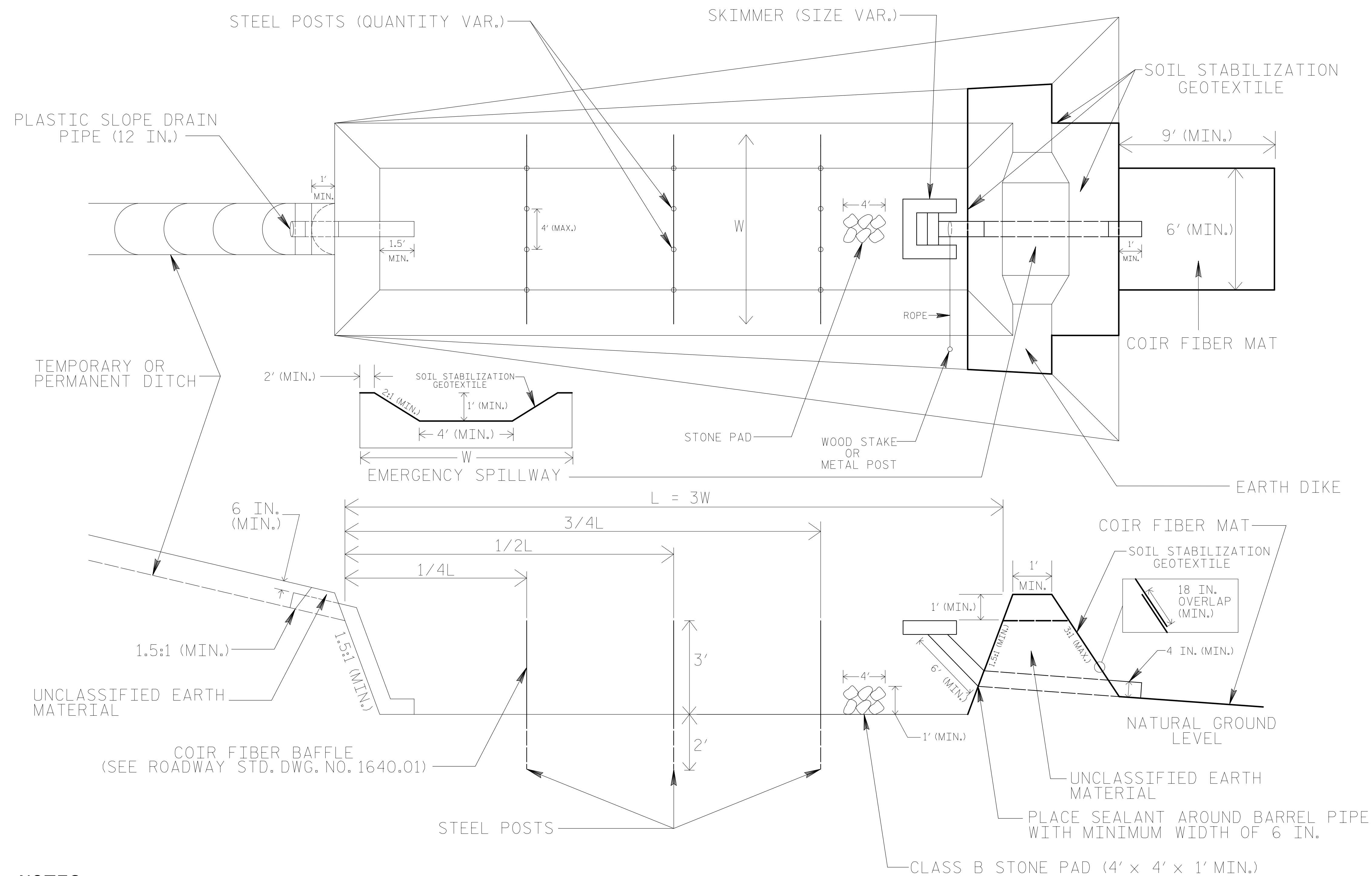
Reviewed by:  
**JEFF WALSTON, PE, CPESC, CPSWQ**

**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 January 2018 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

1604.01 Railroad Erosion Control Detail	1632.01 Rock Inlet Sediment Trap Type A
1605.01 Temporary Silt Fence	1632.02 Rock Inlet Sediment Trap Type B
1606.01 Special Sediment Control Fence	1632.03 Rock Inlet Sediment Trap Type C
1607.01 Gravel Construction Entrance	1633.01 Temporary Rock Silt Check Type A
1622.01 Temporary Berms and Slope Drains	1633.02 Temporary Rock Silt Check Type B
1630.01 Riser Basin	1634.01 Temporary Rock Sediment Dam Type A
1630.02 Silt Basin Type B	1634.02 Temporary Rock Sediment Dam Type B
1630.03 Temporary Silt Ditch	1635.01 Rock Pipe Inlet Sediment Trap Type A
1630.04 Stilling Basin	1635.02 Rock Pipe Inlet Sediment Trap Type B
1630.05 Temporary Diversion	1640.01 Coir Fiber Baffle
1630.06 Special Stilling Basin	1645.01 Temporary Stream Crossing
1631.01 Matting Installation	

# SKIMMER BASIN WITH BAFFLES DETAIL



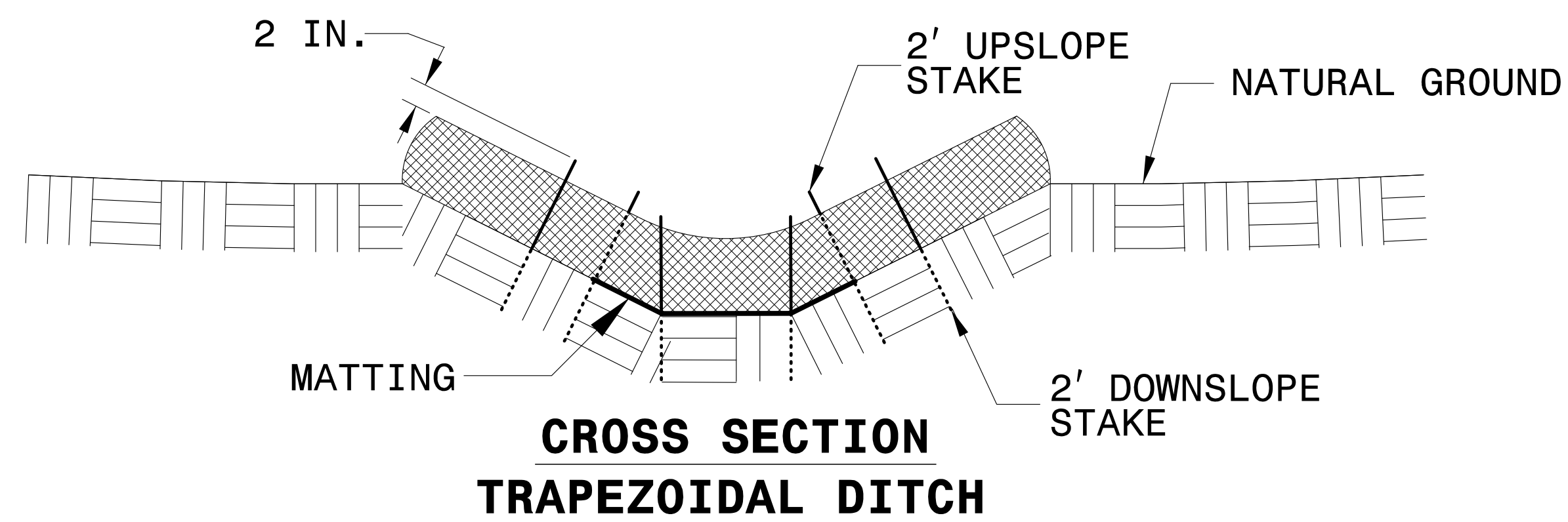
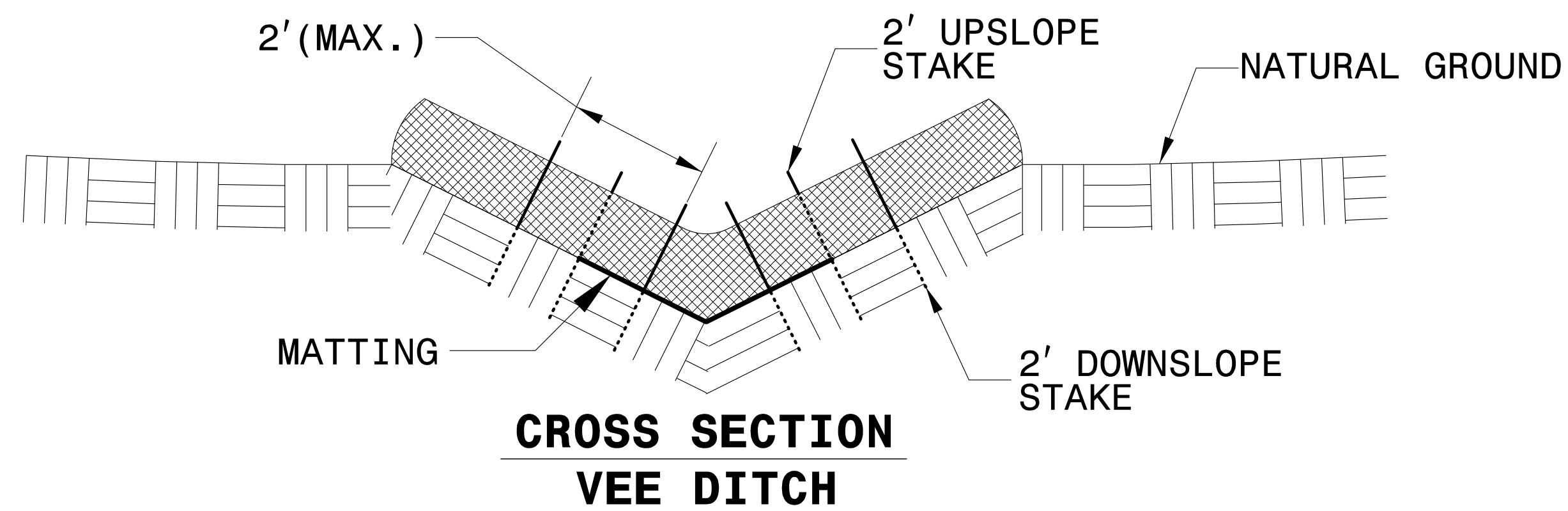
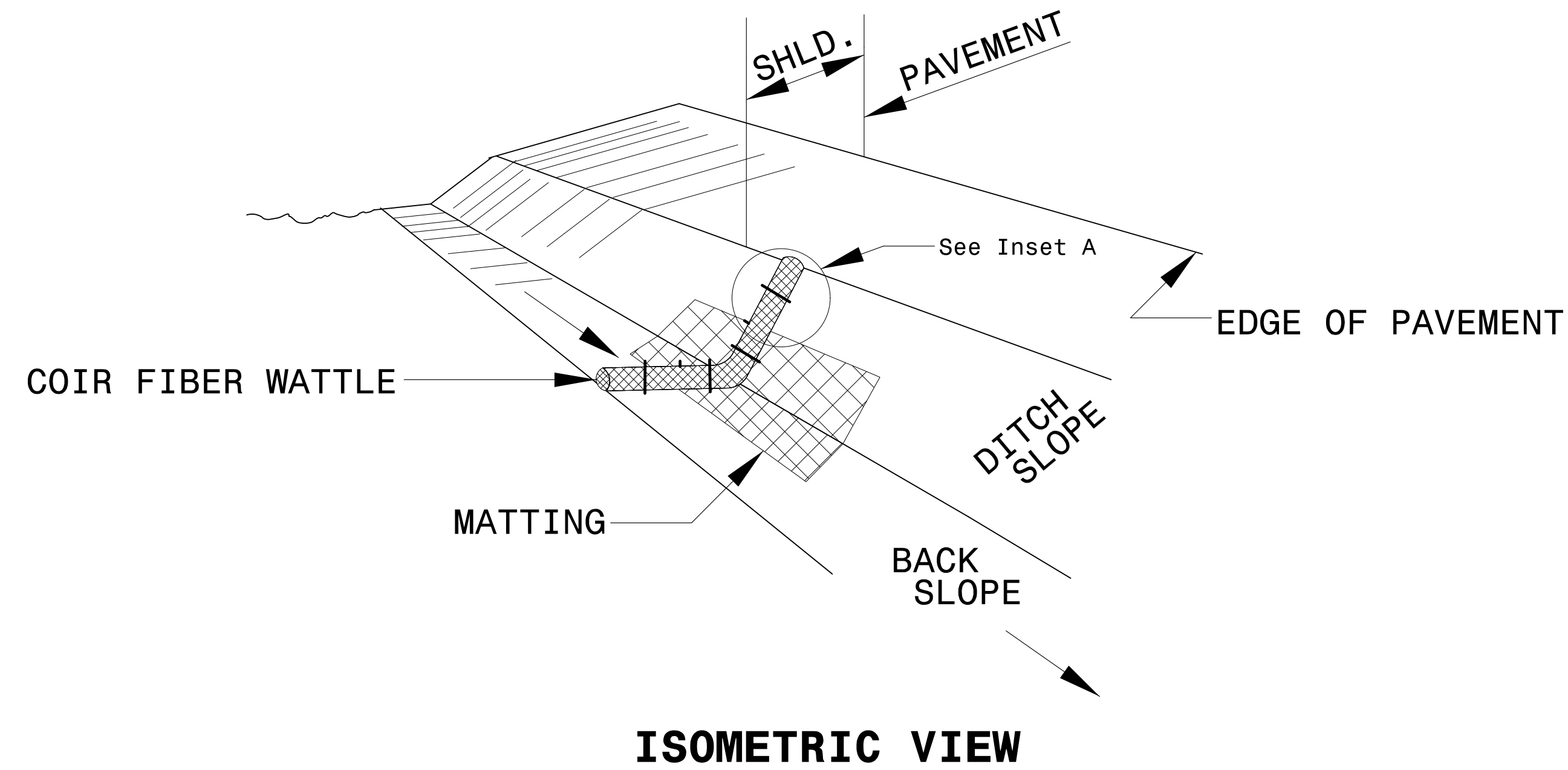
## NOTES

1. SEED AND PLACE MATTING FOR EROSION CONTROL ON INTERIOR AND EXTERIOR SIDESLOPES.
2. LIMIT EARTH DIKE HEIGHT TO 5 FT.
3. FOR BASIN DEPTH OF 3 FT., THE MINIMUM BASIN WIDTH SHALL BE 9 FT.
4. DETERMINE EMERGENCY SPILLWAY LENGTH (FT.) USING  $Q/0.8$ , WHERE Q IS FLOW RATE (CFS) INTO BASIN.
5. PLASTIC SLOPE DRAIN PIPE AT INLET OF BASIN MAY BE REPLACED BY FILTRATION GEOTEXTILE AS DIRECTED.
6. SOIL STABILIZATION GEOTEXTILE FOR EMERGENCY SPILLWAY SHALL BE ONE CONTINUOUS PIECE OF MATERIAL OR OVERLAPPED 18 IN. (MIN.).

NOT TO SCALE

REVISIONS

# COIR FIBER WATTLE DETAIL



**NOTES:**

USE MINIMUM 12 IN. DIAMETER COIR FIBER (COCONUT FIBER) WATTLE.

USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.

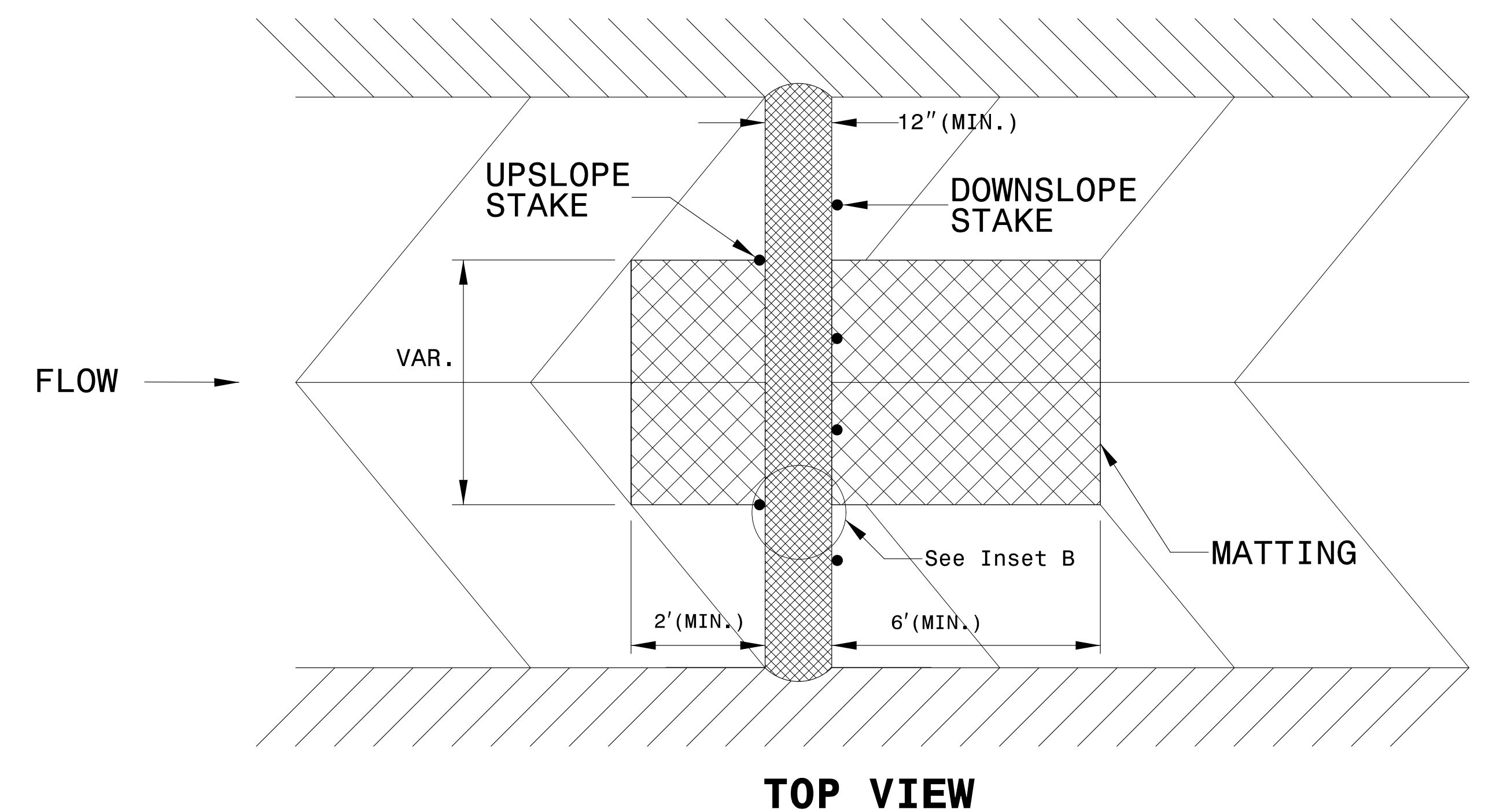
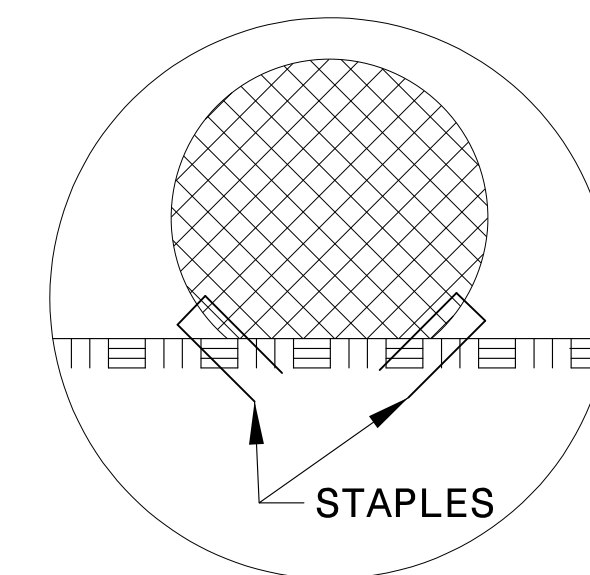
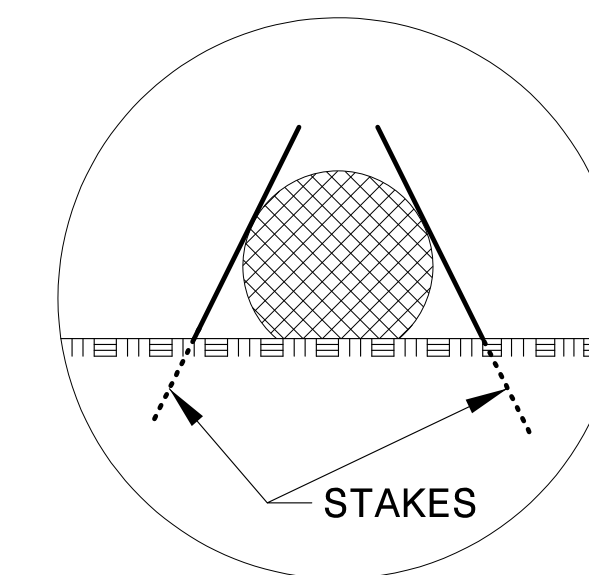
ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

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.

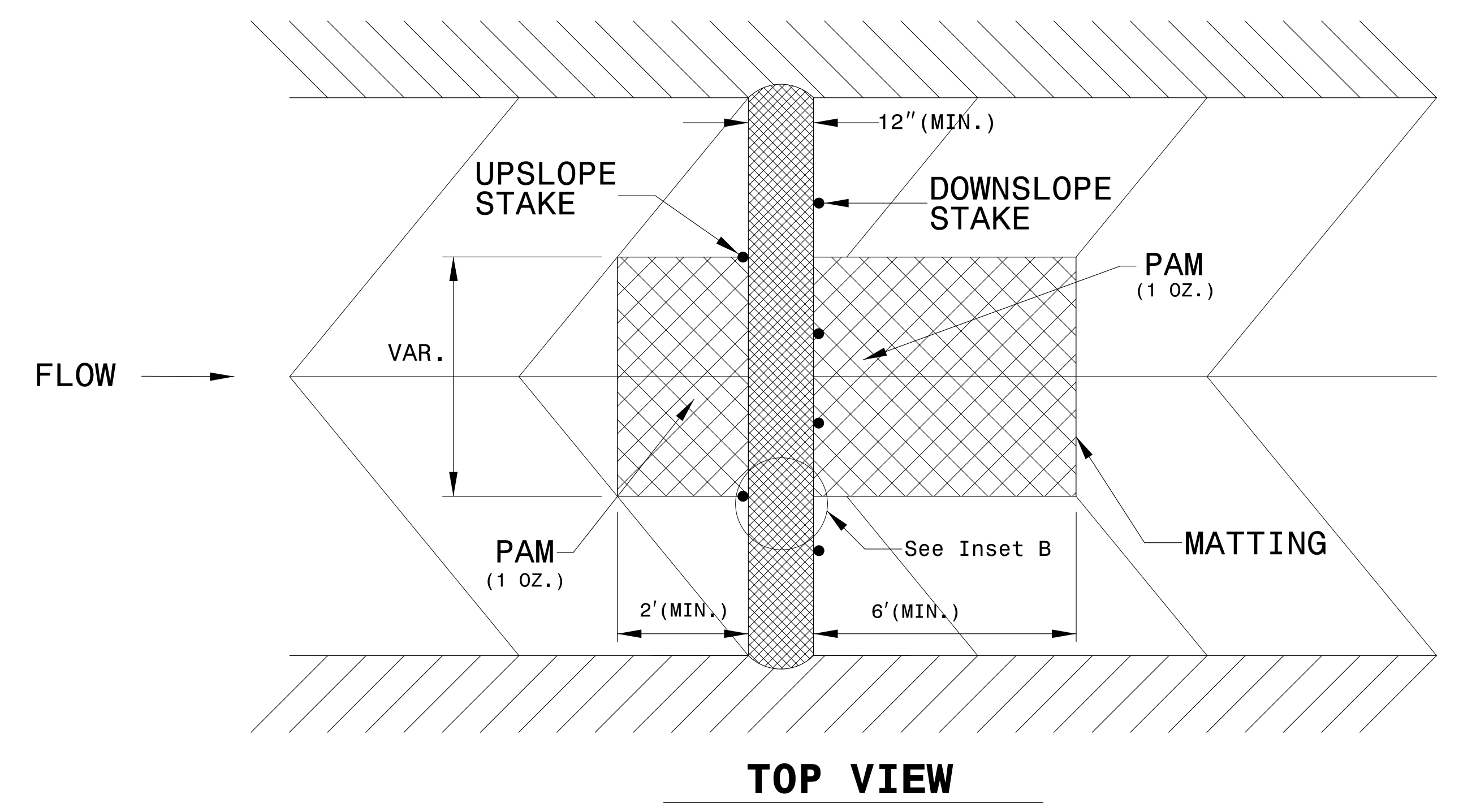
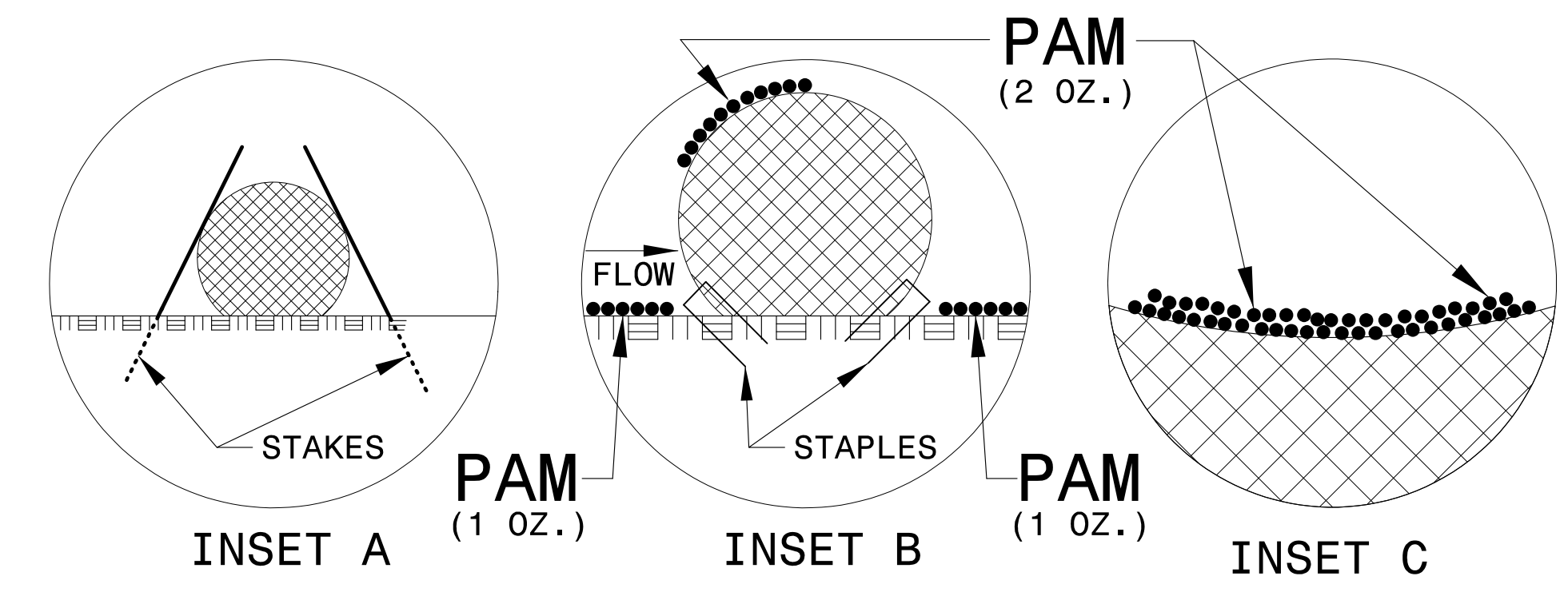
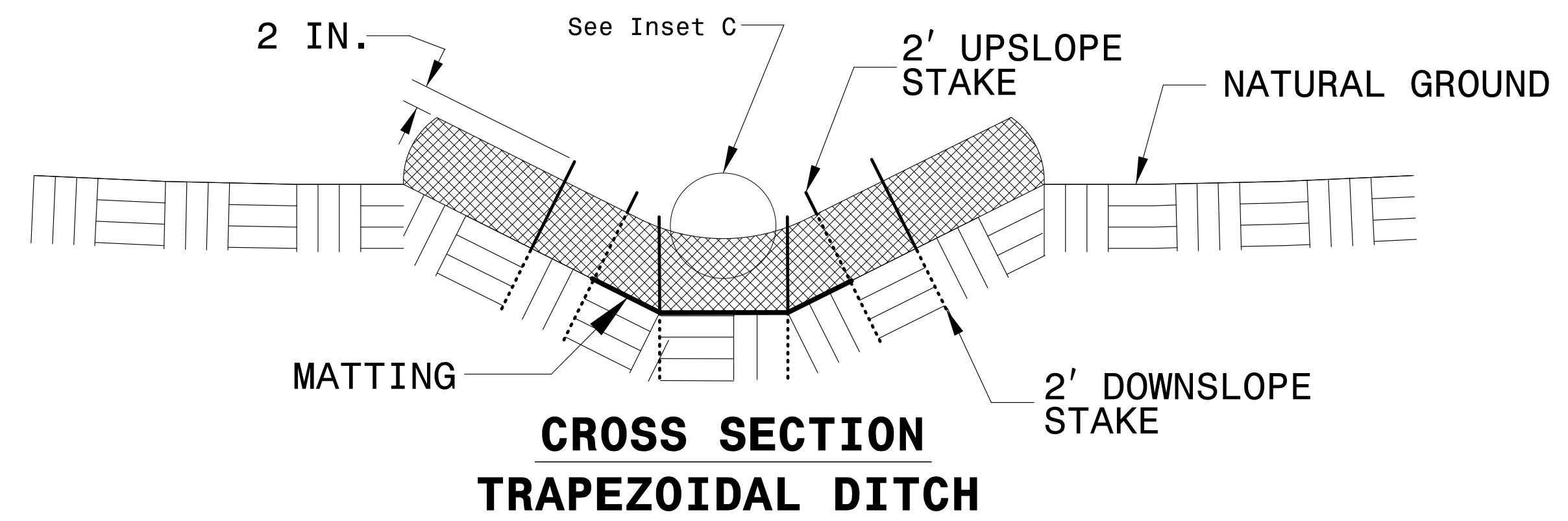
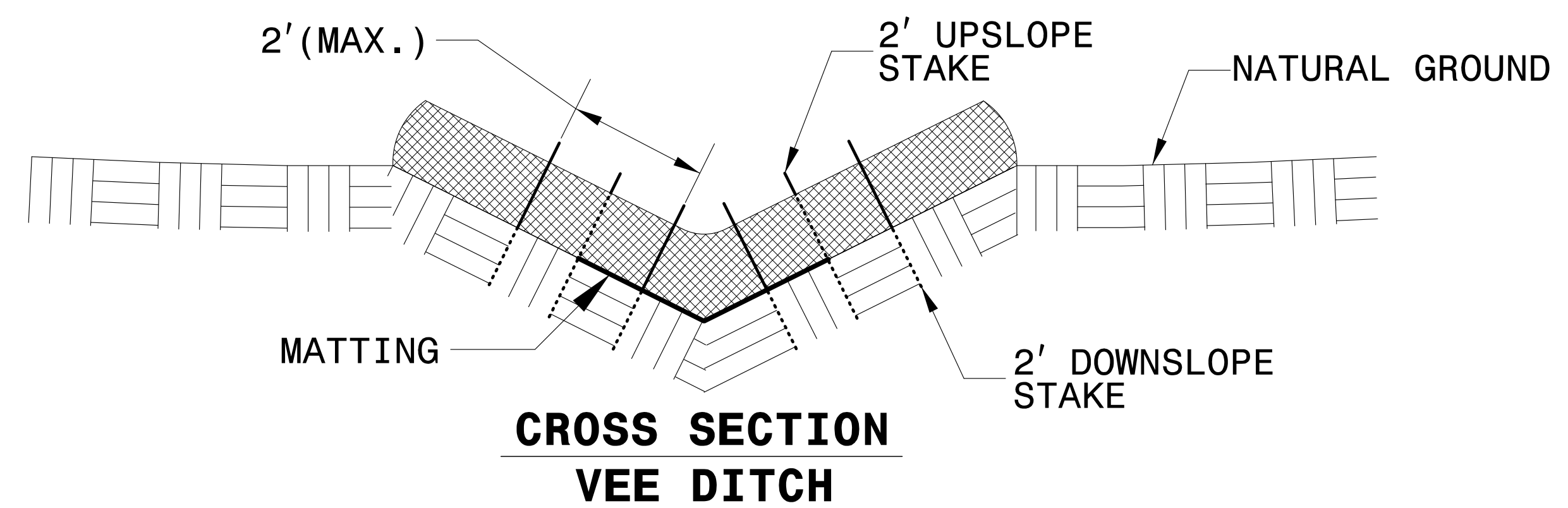
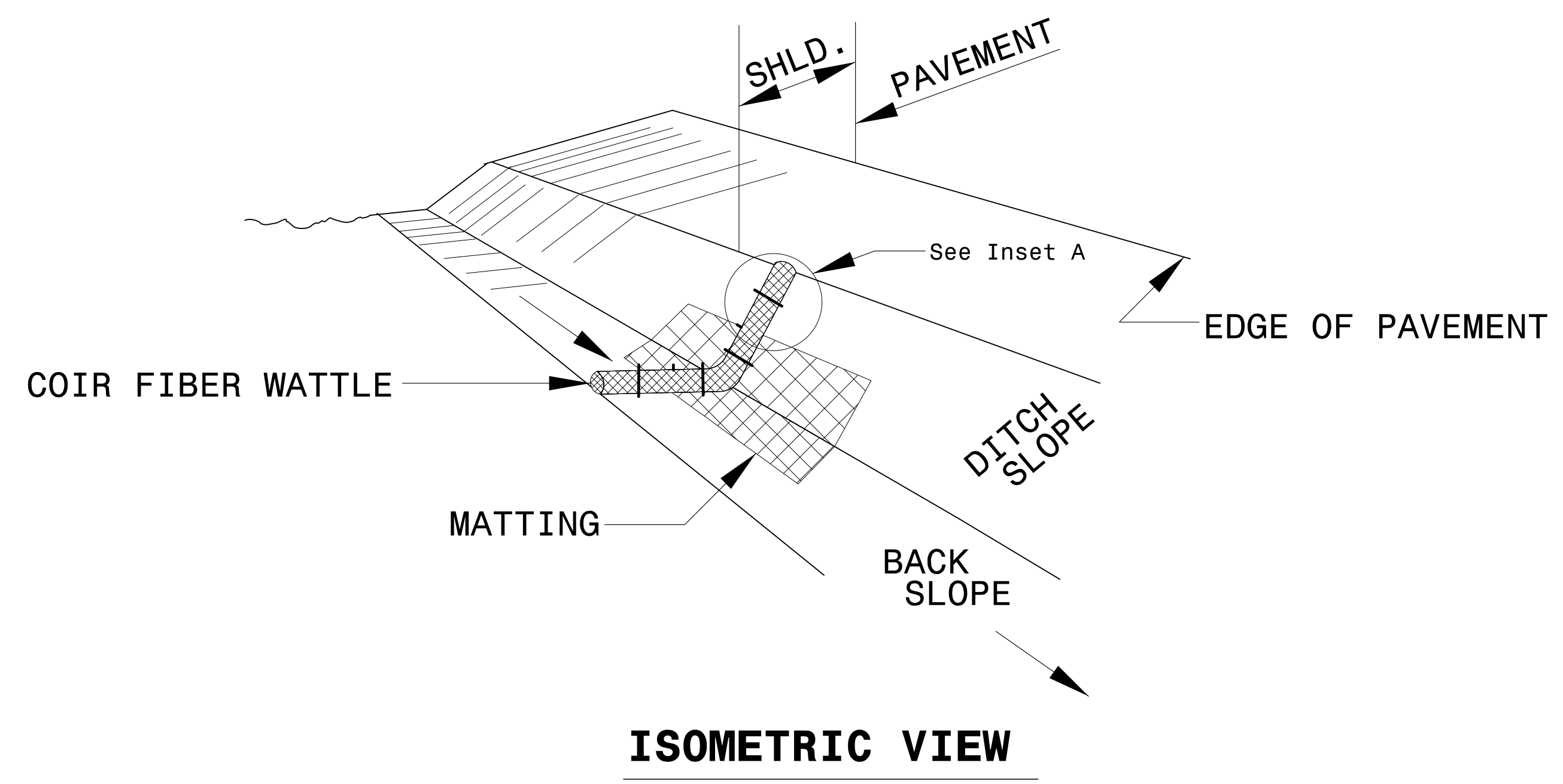


REVISIONS

# COIR FIBER WATTLE WITH POLYACRYLAMIDE (PAM) DETAIL

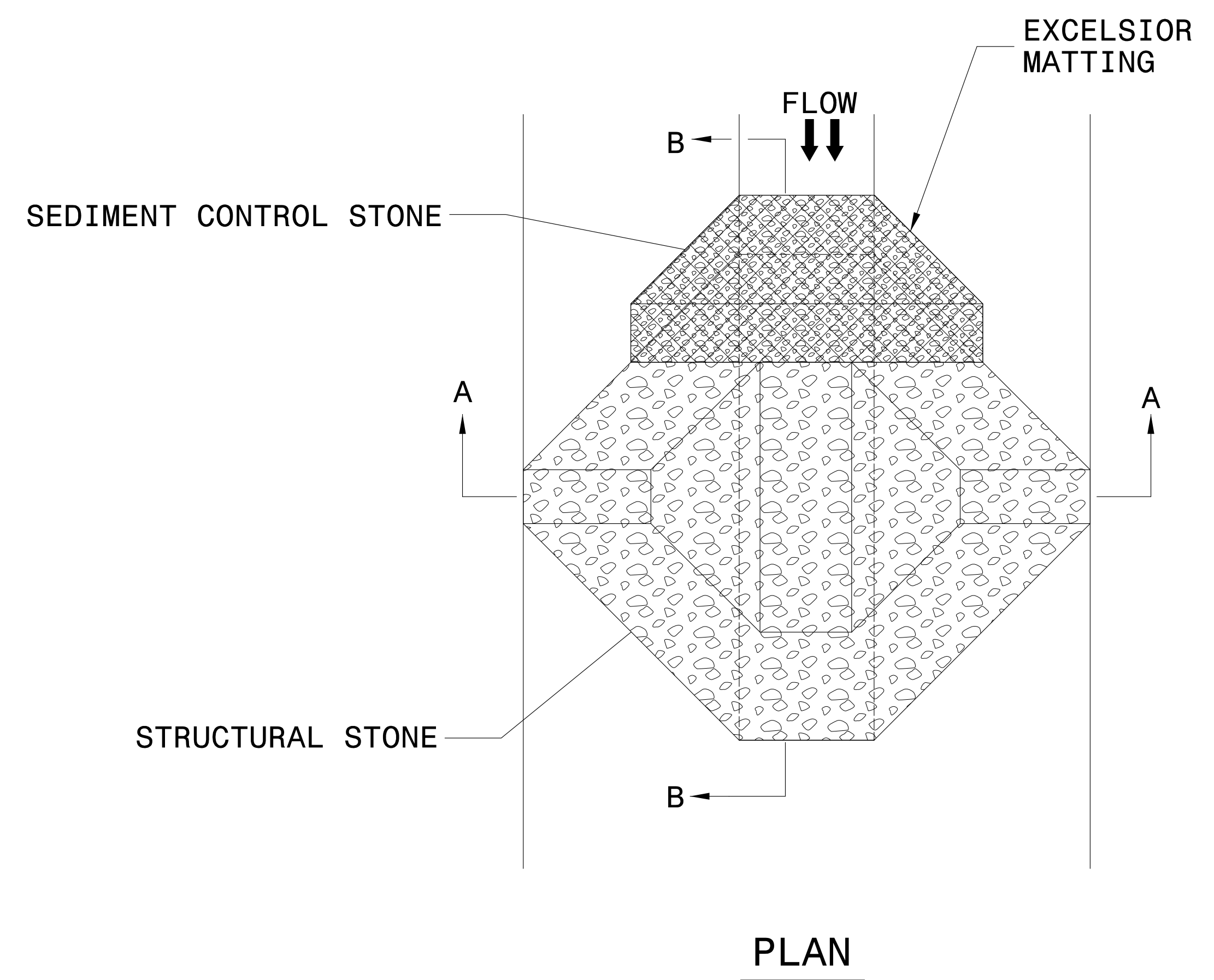
**NOTES:**

- USE MINIMUM 12 IN. DIAMETER COIR FIBER (COCONUT FIBER) WATTLE.
- USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.
- ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.
- 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.
- PRIOR TO POLYACRYLAMIDE (PAM) APPLICATION, OBTAIN A SOIL SAMPLE FROM PROJECT LOCATION, AND FROM OFFSITE MATERIAL, AND ANALYZE FOR APPROPRIATE PAM FLOCCULANT TO BE APPLIED TO EACH WATTLE.
- INITIALLY APPLY 2 OUNCES OF ANIONIC OR NEUTRALLY CHARGED PAM OVER WATTLE WHERE WATER WILL FLOW AND 1 OUNCE OF PAM ON MATTING ON EACH SIDE OF WATTLE. REAPPLY PAM AFTER EVERY RAINFALL EVENT THAT IS EQUAL TO OR EXCEEDS 0.50 IN.



REVISIONS

# TEMPORARY ROCK SILT CHECK TYPE 'A' WITH EXCELSIOR MATTING AND POLYACRYLAMIDE (PAM)



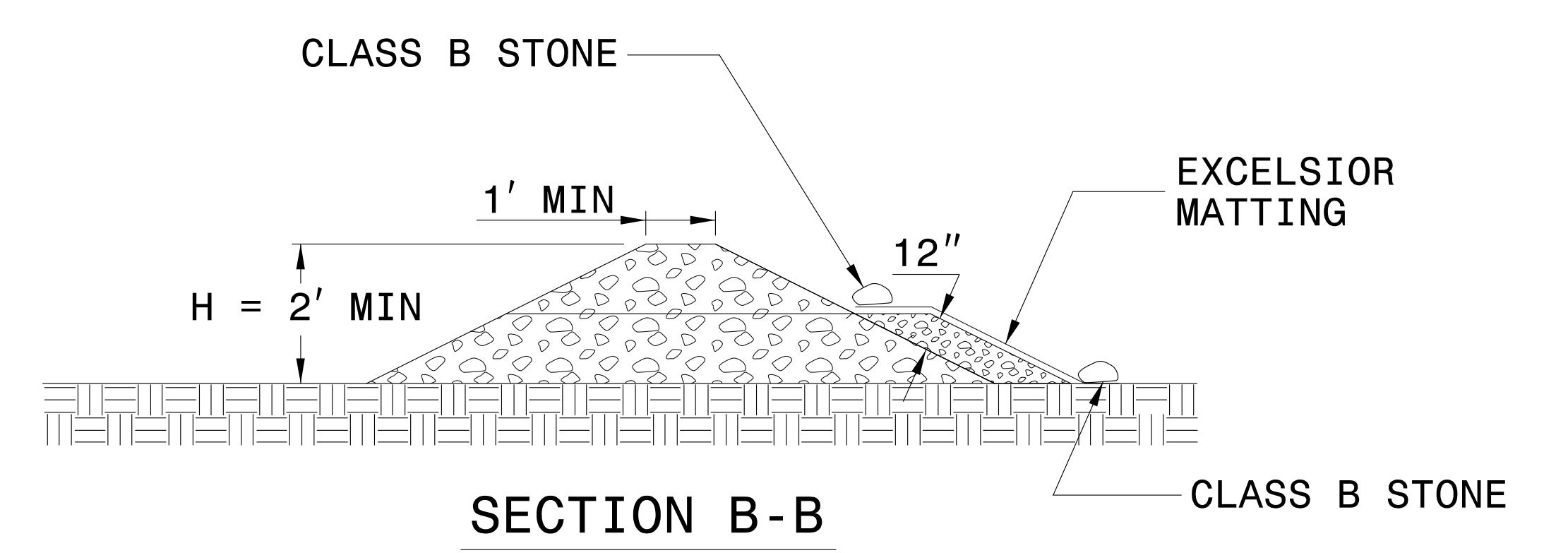
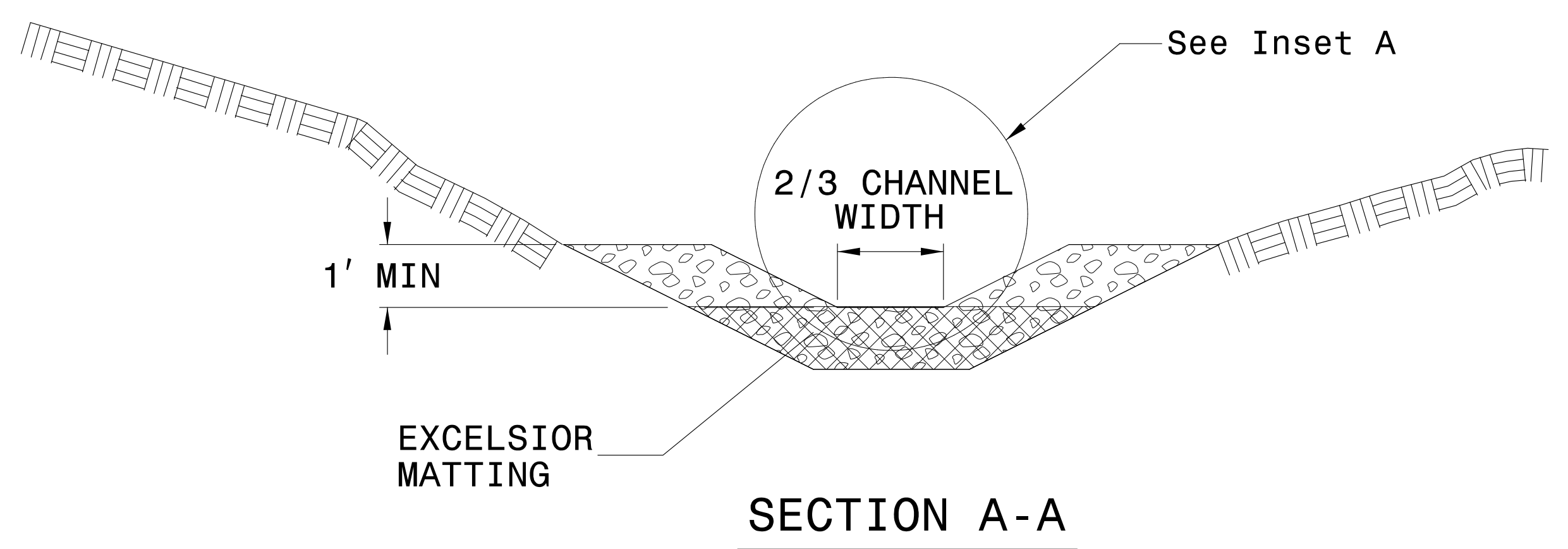
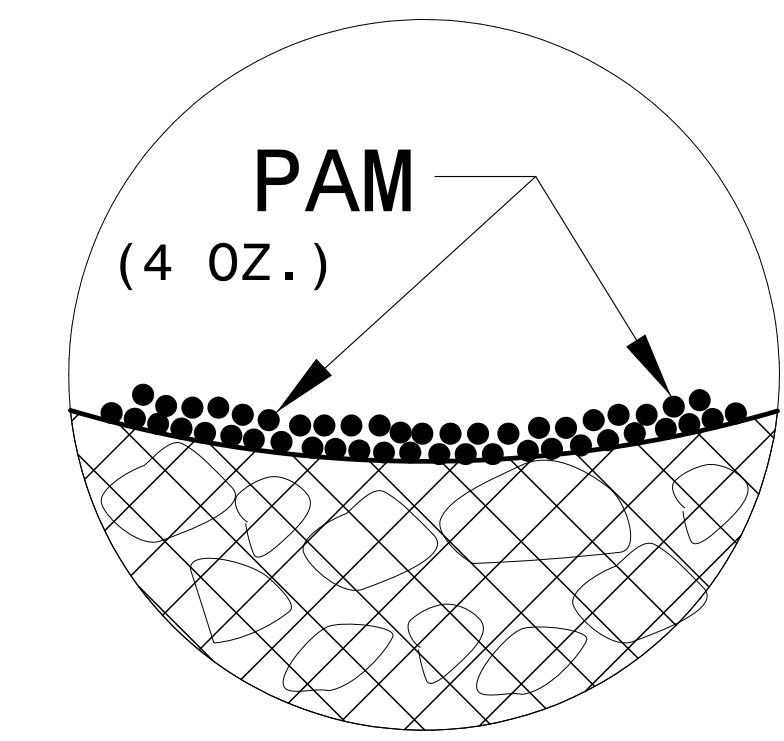
**NOTES:**

INSTALL TEMPORARY ROCK SILT CHECK TYPE A IN ACCORDANCE WITH ROADWAY STANDARD DRAWING NO. 1633.01.

USE EXCELSIOR FOR MATTING MATERIAL AND ANCHOR MATTING SECTION AT TOP AND BOTTOM WITH CLASS B STONE.

PRIOR TO POLYACRYLAMIDE (PAM) APPLICATION, OBTAIN A SOIL SAMPLE FROM PROJECT LOCATION, AND FROM OFFSITE MATERIAL, AND ANALYZE FOR APPROPRIATE PAM FLOCCULANT TO BE APPLIED TO EACH ROCK SILT CHECK.

INITIALLY APPLY 4 OUNCES OF POLYACRYLAMIDE (PAM) TO TOP OF MATTING SECTION AND AFTER EVERY RAINFALL EVENT THAT EQUALS OR EXCEEDS 0.50 INCHES.



NOT TO SCALE

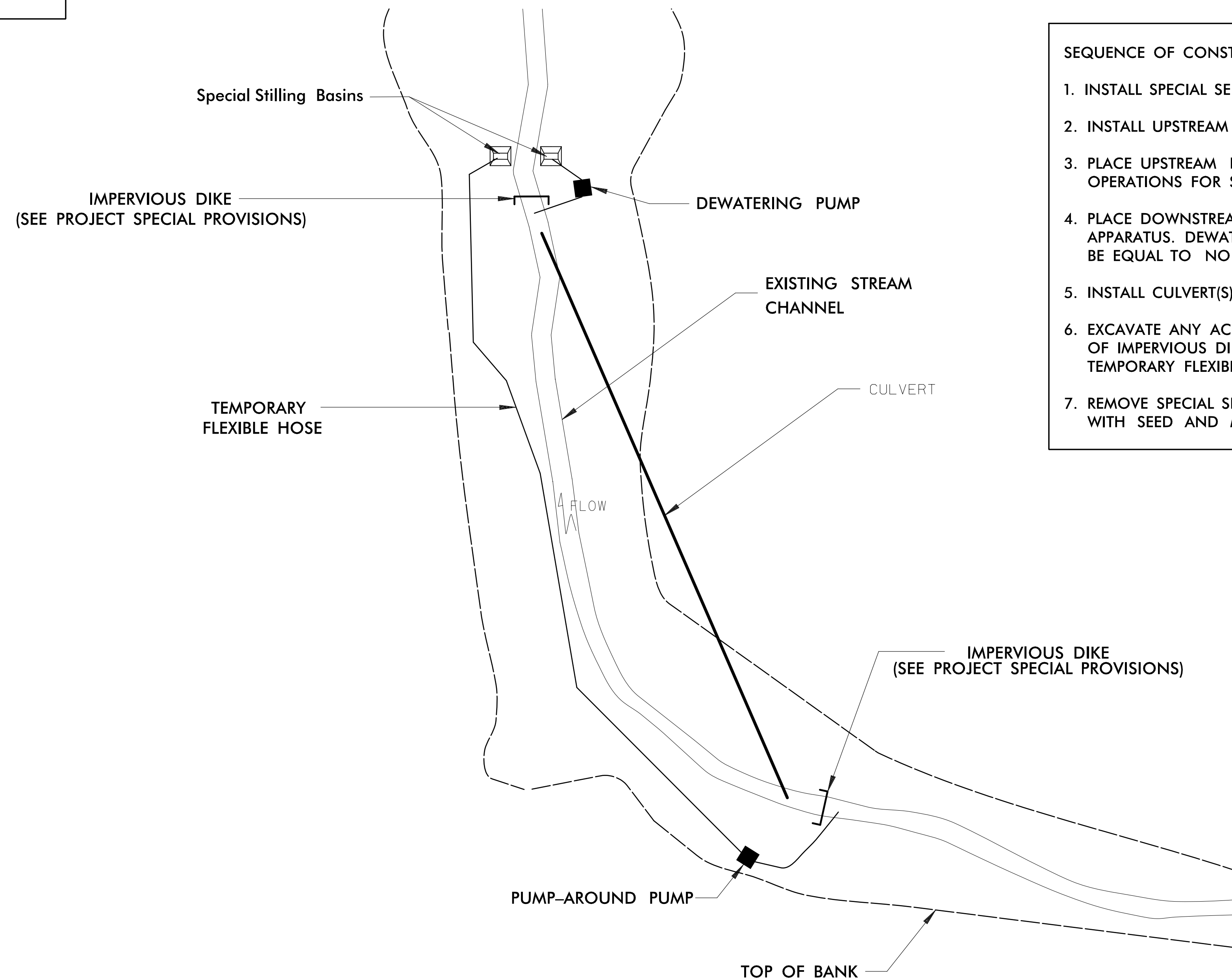
REVISIONS

DATE/TIME: 9/3/22 AM  
2016: RW Erosion Control R-3825B\_REV1-EC\_EC02C.dgn

# EXAMPLE OF PUMP-AROUND OPERATION

**NOTES:**

- 1) All excavation shall be performed only in dry or isolated areas of the work zone.
- 2) Impervious dikes are to be used to isolate work from stream flow when necessary.
- 3) Maintenance of stream flow operations shall be incidental to the work. This includes polyethylene sheeting, diversion pipes, pumps and hoses.
- 4) Pumps and hoses shall be of sufficient size to dewater the work area.

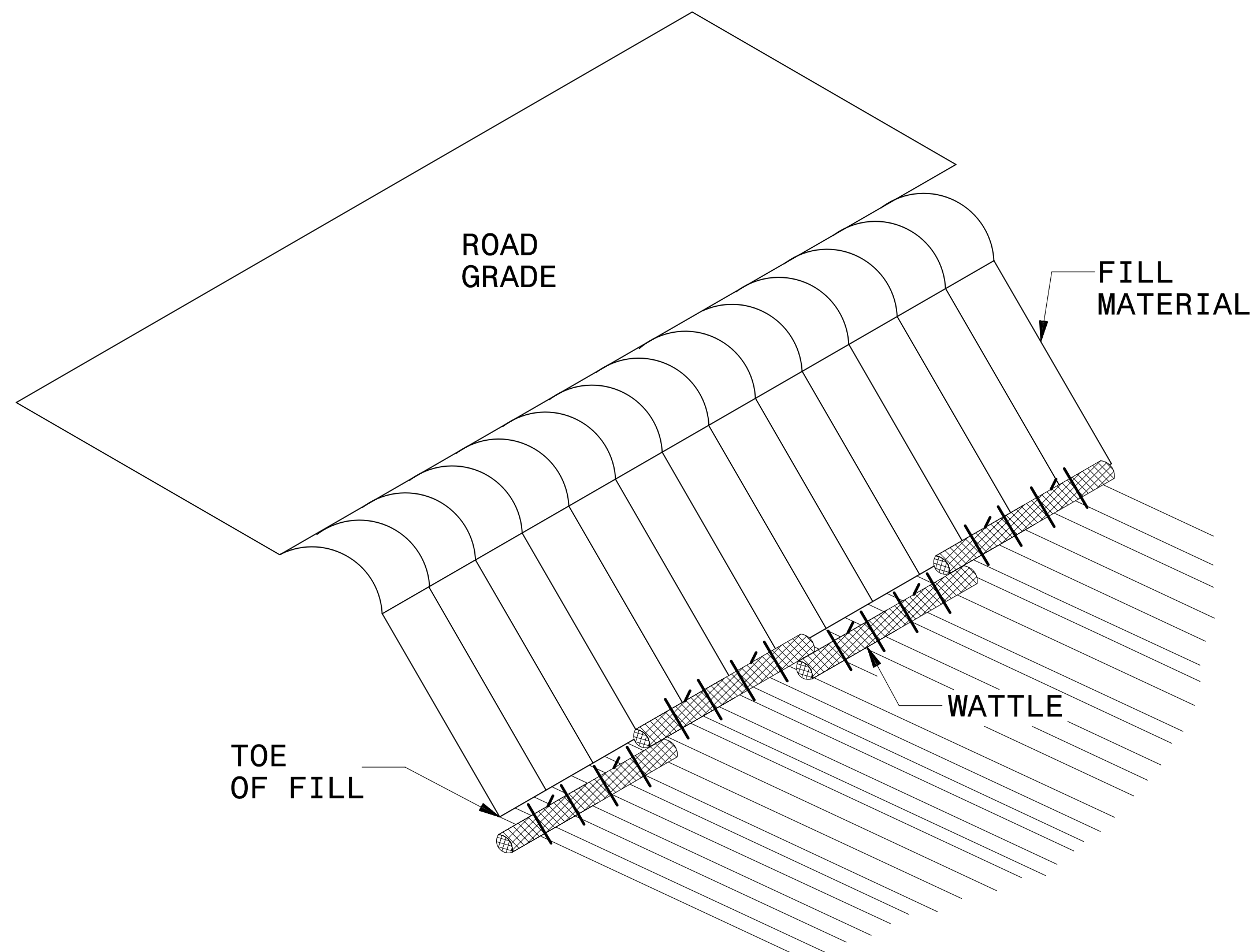


**SEQUENCE OF CONSTRUCTION FOR TYPICAL WORK AREA**

1. INSTALL SPECIAL SEDIMENT BASINS.
2. INSTALL UPSTREAM PUMP AND TEMPORARY FLEXIBLE HOSE.
3. PLACE UPSTREAM IMPERVIOUS DIKE AND BEGIN PUMPING OPERATIONS FOR STREAM DIVERSION.
4. PLACE DOWNSTREAM IMPERVIOUS DIKE AND PUMPING APPARATUS. DEWATER ENTRAPPED AREA. AREA TO BE DEWATERED SHALL BE EQUAL TO NO MORE THAN ONE DAY'S WORK.
5. INSTALL CULVERT(S) IN ACCORDANCE WITH THE PLANS.
6. EXCAVATE ANY ACCUMULATED SILT AND DEWATER BEFORE REMOVAL OF IMPERVIOUS DIKES. REMOVE IMPERVIOUS DIKES, PUMPS, AND TEMPORARY FLEXIBLE HOSE. (DOWNSTREAM IMPERVIOUS DIKES FIRST).
7. REMOVE SPECIAL SEDIMENT BASINS. STABILIZE DISTURBED AREA WITH SEED AND MULCH.

REVISIONS

# COIR FIBER WATTLE BARRIER DETAIL



**ISOMETRIC VIEW**

**NOTES:**

USE MINIMUM 18 IN. NOMINAL DIAMETER COIR FIBER (COCONUT) WATTLE AND LENGTH OF 10 FT.

EXCAVATE A 2 TO 3 INCH TRENCH FOR WATTLE TO BE PLACED.

DO NOT PLACE WATTLES ON TOE OF SLOPE.

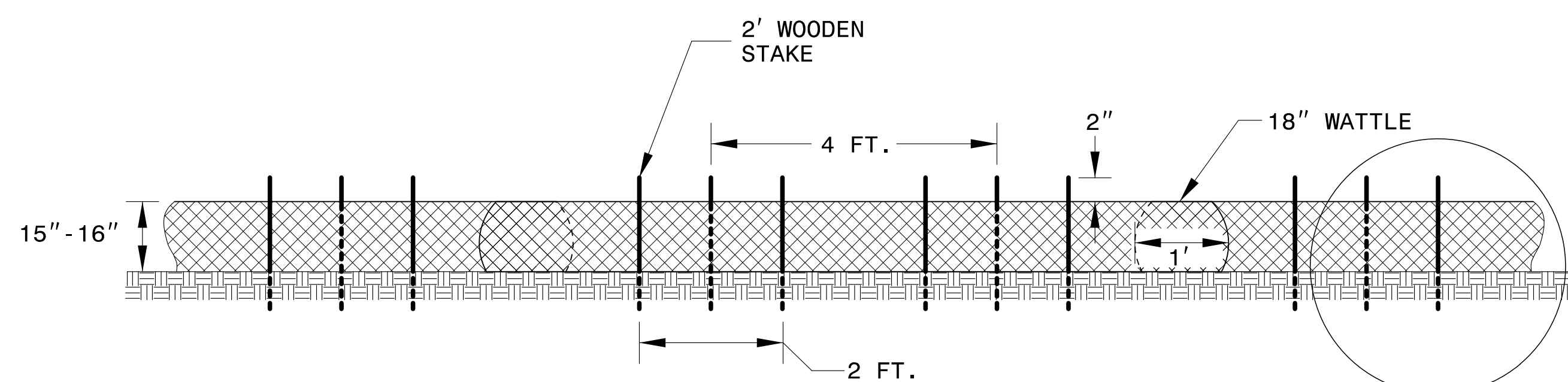
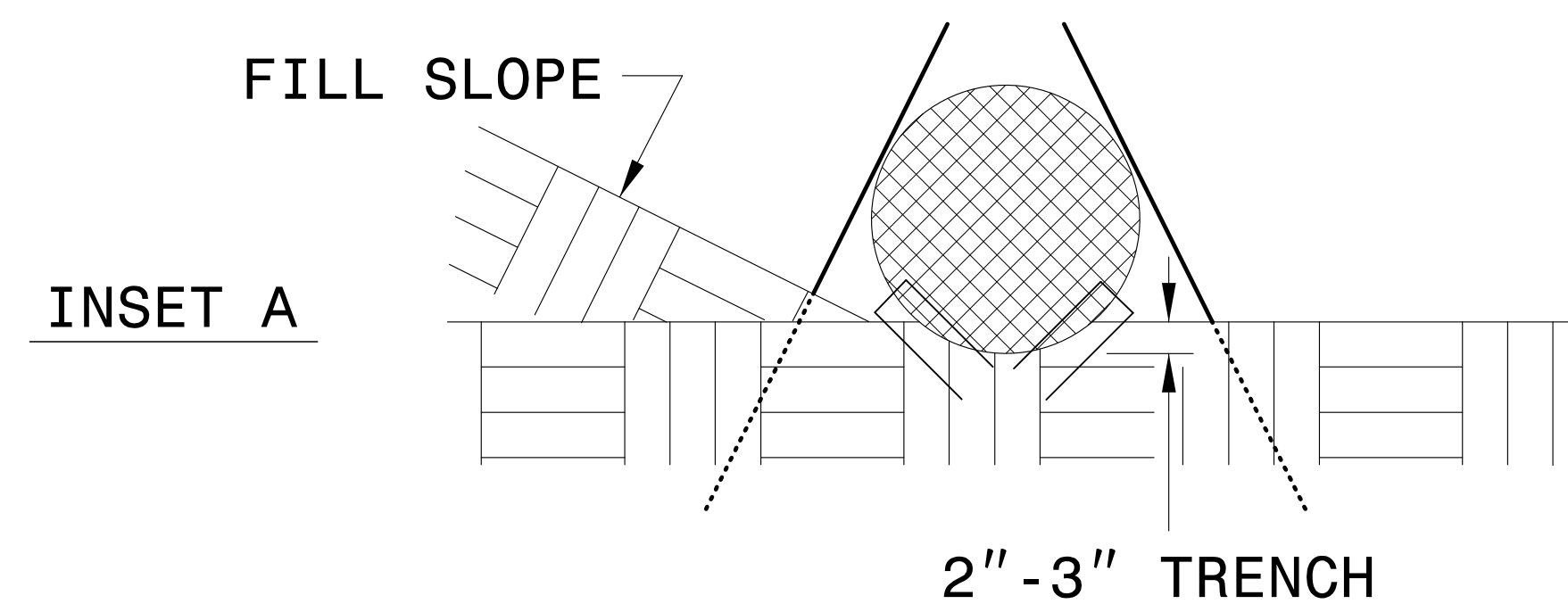
USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.

INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO GROUND.

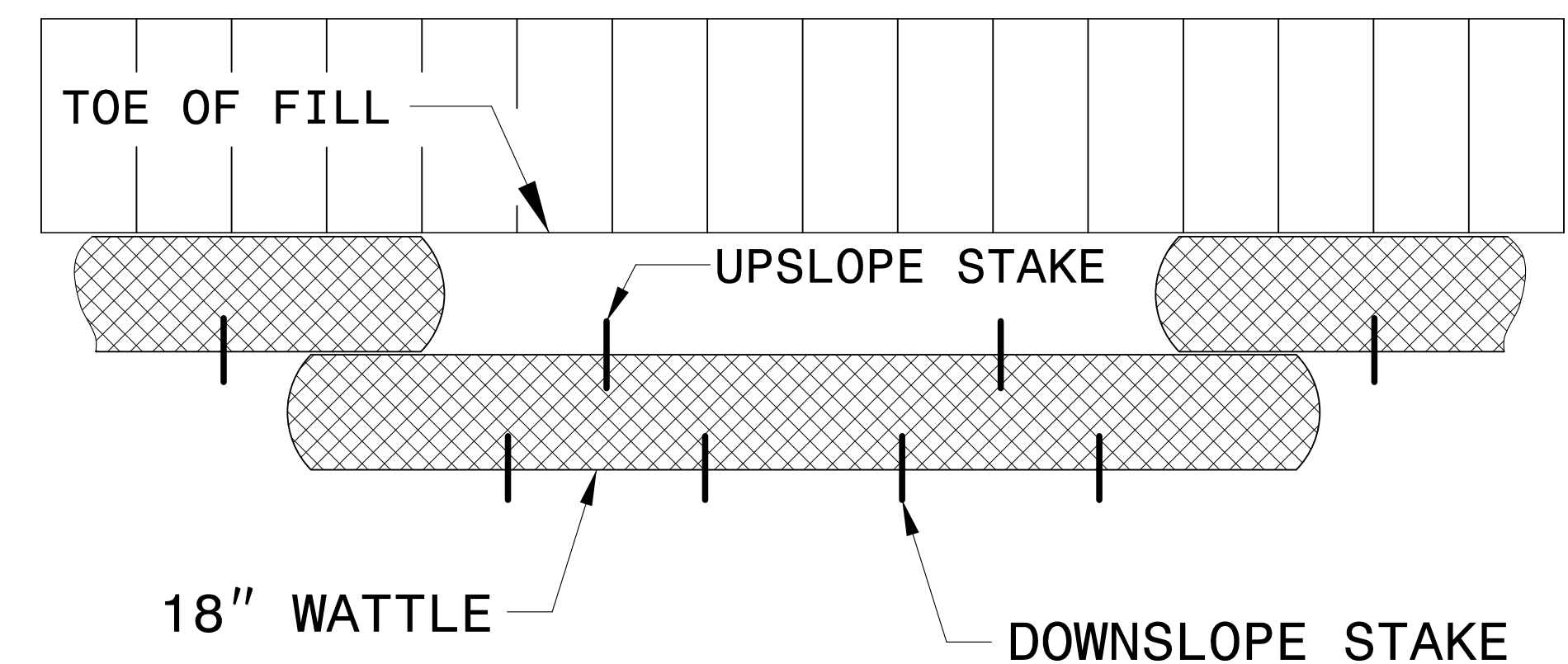
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.

FOR BREAKS ALONG LARGE SLOPES, USE MAXIMUM SPACING OF 25 FT.



**FRONT VIEW**



**TOP VIEW**

REVISIONS



DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA

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# SOIL STABILIZATION TIMEFRAMES

REVISIONS

<i>SITE DESCRIPTION</i>	<i>STABILIZATION TIME</i>	<i>TIMEFRAME EXCEPTIONS</i>
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 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH.
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE, EXCEPT FOR PERIMETERS AND HQW ZONES.

DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA

## SOIL STABILIZATION SUMMARY SHEET

### MATTING FOR EROSION CONTROL

### MATTING FOR EROSION CONTROL

CONST SHEET NO.	LINE	FROM STATION	TO STATION	SIDE	ESTIMATE (SY)
4	-L-	14+00	17+00	RT	550
5	-L-	34+00	36+00	LT	450
5	-L-	29+00	31+90	RT	815
5	-L-	32+50	36+00	RT	985
6	-L-	36+00	36+50	LT	115
6	-L-	36+00	38+00	RT	565
7	-L-	51+00	56+00	LT	1405
7	-L-	52+50	57+00	RT	1265
8	-L-	69+00	72+50	LT	790
8	-L-	69+00	72+00	RT	805
8	-Y6-	15+00	17+00	LT	370
8	-Y6-	15+50	16+50	RT	185
9	-L-	76+10	79+00	LT	535
9	-L-	79+00	80+28	LT	290
9	-L-	82+60	85+00	RT	390
9	-L-	86+00	88+00	RT	325
9	-Y7-	15+50	16+75	RT	130
9	-Y8-	10+50	11+30	RT	75
10	-L-	88+00	90+50	RT	405
10	-L-	94+50	95+50	RT	225
10	-L-	95+50	98+00	RT	670
10	-L-	89+00	92+50	LT	645
10	-L-	95+00	100+00	LT	1125
11	-L-	106+28	108+50	LT	360
11	-L-	108+50	110+00	LT	310
11	-L-	110+00	111+50	LT	340
11	-L-	111+50	113+50	LT	615
11	-L-	113+50	114+30	LT	225
11	-L-	109+50	112+25	RT	385
12	-L-	114+40	116+00	LT	525
12	-L-	122+50	126+00	LT	790
12	-L-	126+00	127+00	LT	225

CONST SHEET NO.	LINE	FROM STATION	TO STATION	SIDE	ESTIMATE (SY)
12	-L-	116+00	119+50	RT	980
13	-L-	137+50	140+00	RT	565
14	-L-	142+00	149+21	LT	1620
14	-L-	149+21	153+00	LT	855
14	-L- BERM	143+50	144+30	LT	60
14	-L- BERM	149+21	149+00	LT	15
14	-L- BERM	149+21	152+00	LT	195
14	-L-	140+00	149+21	RT	2070
14	-L-	149+21	153+00	RT	855
15	-L-	153+00	154+00	LT	205
15	-L-	159+00	164+50	LT	1235
15	-L-	153+00	153+50	RT	115
15	-L-	161+00	164+50	RT	790
15	-DRI-	10+50	11+00	RT	95
15	-DRI-	11+00	11+45	LT	85
15	-DRI-	10+50	11+00	LT	95
16	-L-	169+50	170+50	RT	270
16	-L-	175+80	177+30	RT	405
17	-L-	184+00	186+50	LT	670
17	-L-	183+50	186+00	RT	565
17	-L-	186+00	189+00	RT	805
17	-L-	189+00	190+00	RT	225
18	-L-	190+00	191+00	RT	225
18	-L-	193+50	200+50	RT	1575
18	-L-	190+00	191+00	LT	270
18	-L-	195+00	199+00	LT	1075
18	-Y12-	11+11	16+00	RT	895
18	-Y12-	16+00	17+00	LT	165
18	-L-	194+60	196+00	LT	260
SUBTOTAL THIS SHEET					34,130

REVISIONS

DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
R-3825B	EC-03B
RW SHEET NO.	
Prepared in the Office of:	NC FIRM LICENSE No F-0342 701 Corporate Center Drive, Suite 475 Raleigh, NC 27607 (919) 854-6200 • (919) 854-6259(FAX)
<b>AECOM</b>	

## SOIL STABILIZATION SUMMARY SHEET

### MATTING FOR EROSION CONTROL

### PERMANENT SOIL REINFORCEMENT MAT

CONST SHEET NO.	LINE	FROM STATION	TO STATION	SIDE	ESTIMATE (SY)
19	-L-	204+50	207+00	LT	565
19	-L-	207+00	208+50	LT	405
19	-L-	208+50	211+00	LT	455
19	-L-	211+00	213+00	LT	540
19	-L-	204+50	214+00	RT	2135
19	-L-	214+00	216+00	RT	450
20	-L-	222+27	228+00	LT	520
21	-L-	233+23	234+50	LT	235
22	-L-	250+40	251+00	LT	100
22	-L-	251+13	252+50	LT	380
22	-L-	252+50	257+50	LT	1020
22	-L-	247+00	248+00	RT	70
22	-L-	254+25	255+50	RT	255
22	-L-	255+50	257+50	RT	540
22	-Y13-	19+50	21+50	LT	460
23	-Y13-	16+50	19+00	LT	460
23	-Y13-	28+15	29+25	LT	205
23	-Y13-	31+00	33+16	LT	350
23	-Y13-	29+00	36+96	RT	1280
SUBTOTAL THIS SHEET					10,425
SHEET 3A SUBTOTAL					34,130
MISCELLANEOUS MATTING TO BE INSTALLED AS DIRECTED BY THE ENGINEER					26,695
TOTAL					71,520
SAY					72,000

CONST SHEET NO.	LINE	FROM STATION	TO STATION	SIDE	ESTIMATE (SY)
4	-L-	18+00	22+00	RT	1100
6	-L-	40+00	45+50	RT	1855
6	-L-	40+50	47+00	LT	1460
6	-Y4-	11+25	12+00	LT	175
9	-L-	82+10	82+60	RT	85
9	-Y8-	10+50	11+30	LT	75
10	-L-	92+50	93+00	RT	135
10	-L-	98+00	101+00	RT	485
11	-L-	103+00	106+00	RT	420
13	-L-	128+50	129+00	LT	70
13	-L-	128+25	128+57	RT	45
13	-L-	128+60	128+93	RT	50
14	-L-	141+00	142+00	LT	225
16	-L-	173+50	175+00	LT	405
16	-L-	175+00	176+00	LT	225
16	-L-	176+50	178+00	LT	405
16	-L-	177+30	178+00	RT	190
16	-L-	175+50	175+80	RT	85
17	-L-	178+00	184+00	LT	1610
17	-L-	178+00	181+00	RT	615
SUBTOTAL					9,715
ADDITIONAL PRSM TO BE INSTALLED					0
TOTAL					9,715
SAY					9,750

REVISIONS

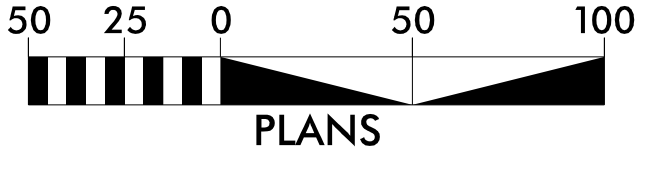
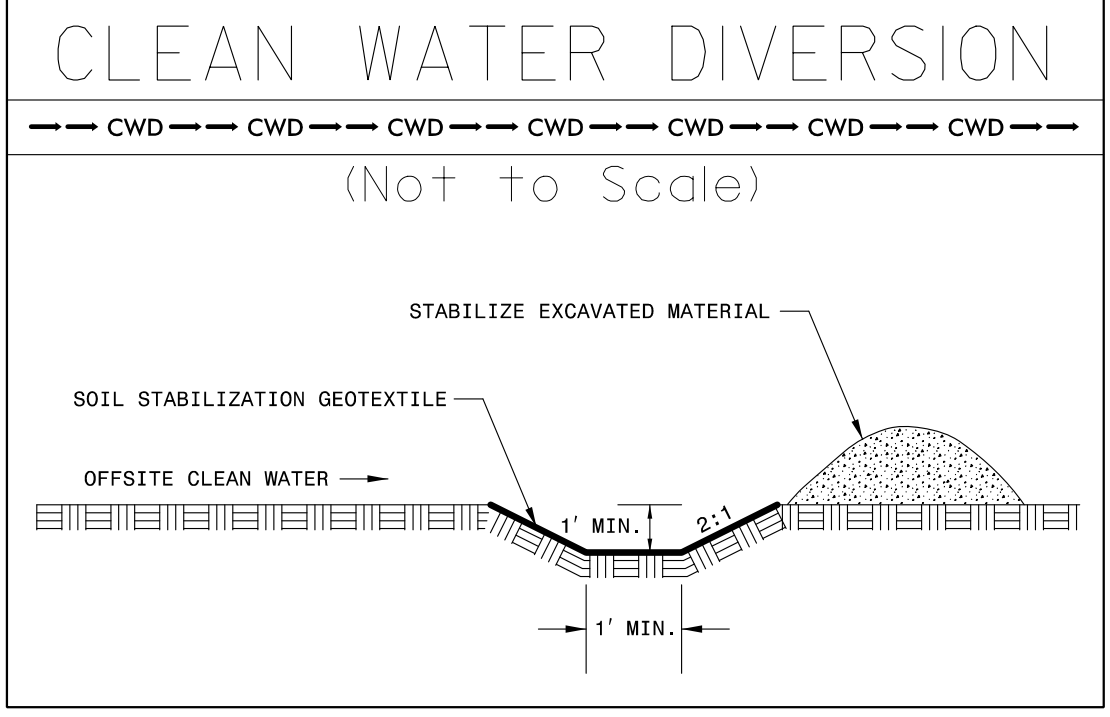
DATE/TIME: 9/3/97 AM  
206: RW Erosion Control R-3825B-FRU-EC-ECC-DWG

NOTE: PERIMETER EROSION CONTROL MEASURES SHALL BE INSTALLED DURING CLEARING AND GRUBBING PHASE.

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 4

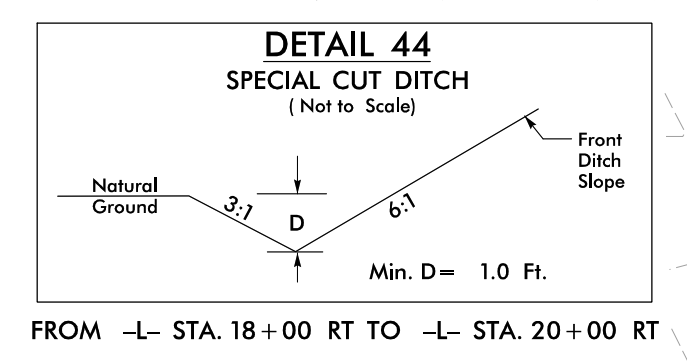
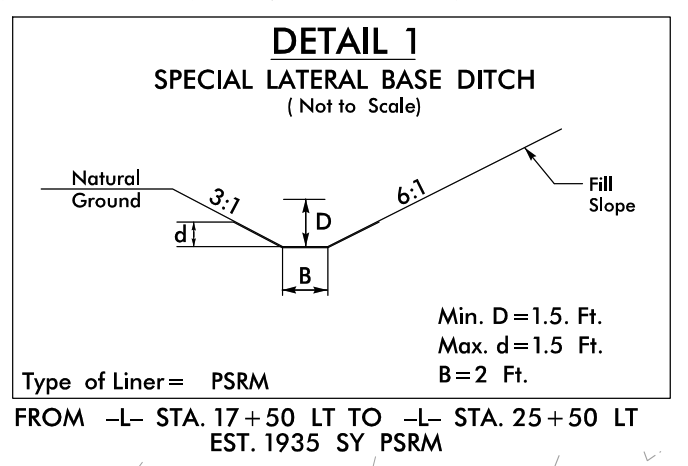
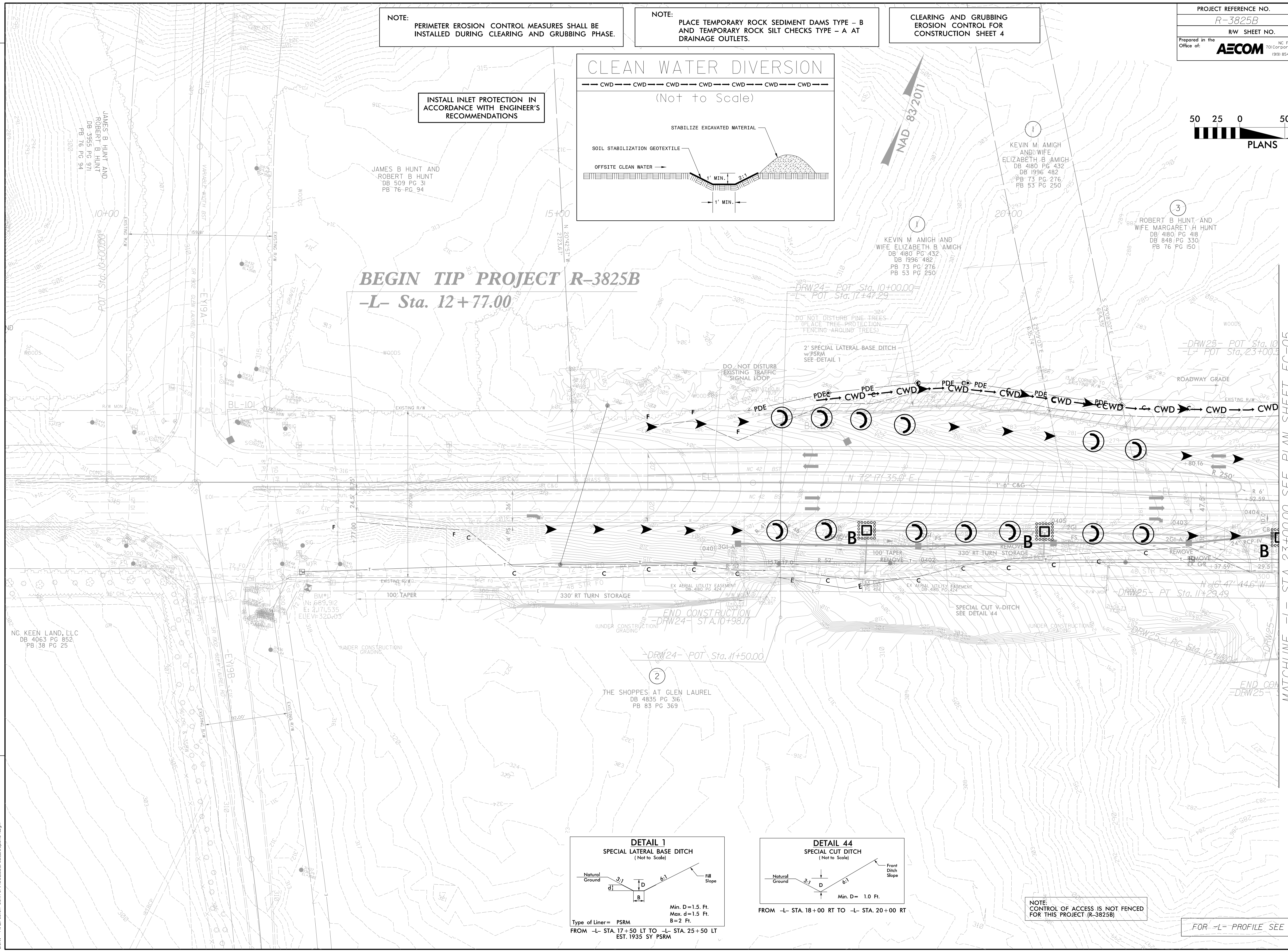
INSTALL INLET PROTECTION IN ACCORDANCE WITH ENGINEER'S RECOMMENDATIONS



**BEGIN TIP PROJECT R-3825B**  
-L- Sta. 12+77.00

REVISIONS

MATCHLINE -L- STA. 23+00.00 SEE PLAN SHEET EC-05



NOTE: CONTROL OF ACCESS IS NOT FENCED FOR THIS PROJECT (R-3825B)

FOR -L- PROFILE SEE SHEET 24

DATE/TIME: 05/31/11 AM  
2016: File: Erosion Control R-3825B\_rwl\_EC\_2016.dwg

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

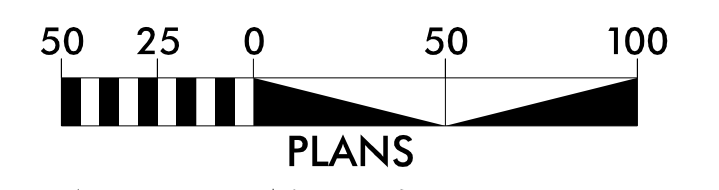
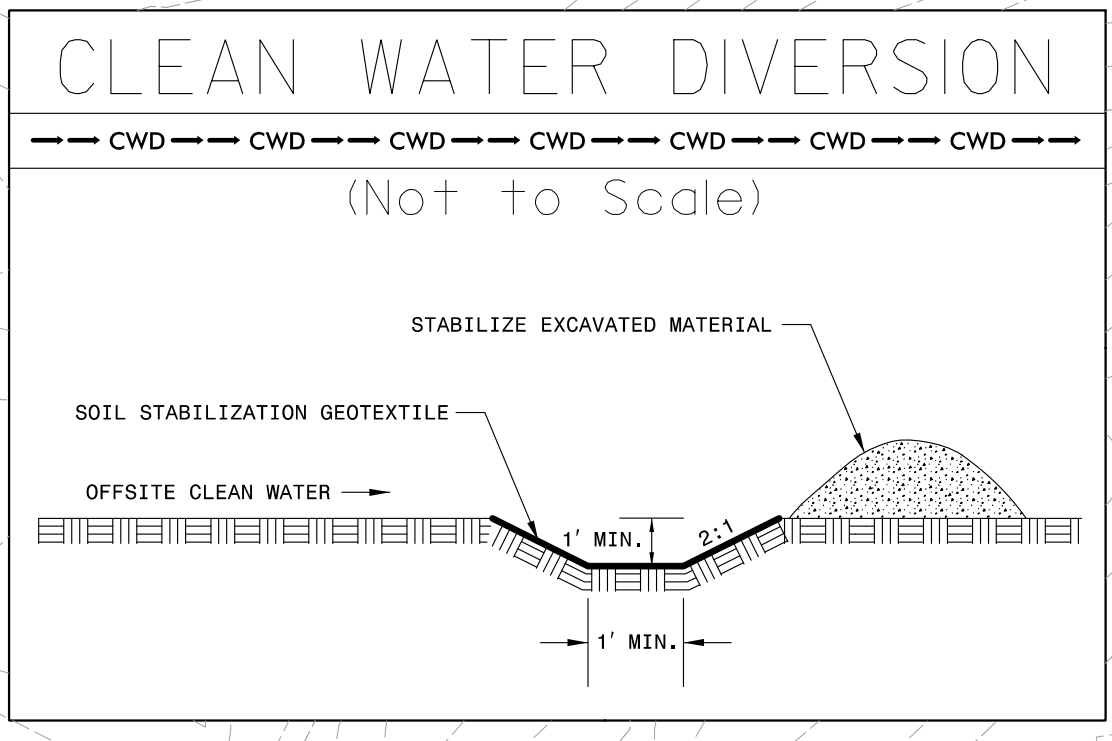
ENVIRONMENTALLY SENSITIVE AREA  
SEE PROJECT SPECIAL PROVISIONS

Construct Proposed Berm Ditch according to Detail 19 from -L- Sta. 34+50 RT to -L- Sta. 38+00 RT During the Clearing and Grubbing Phase

INSTALL PIPE(S) IN JURISDICTIONAL AREAS WITHOUT IMPACTING STREAM UNTIL AREA STABILIZED AND ACCORDING TO NCDOT BEST MANAGEMENT PRACTICES FOR CONSTRUCTION AND MAINTENANCE ACTIVITIES MANUAL.

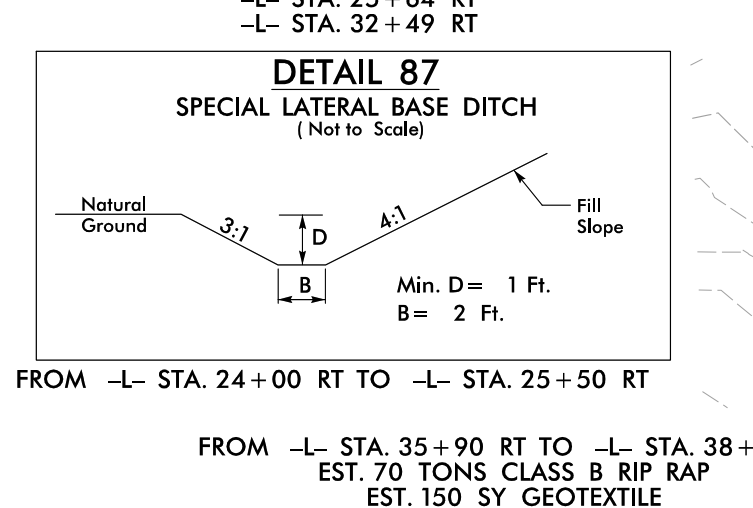
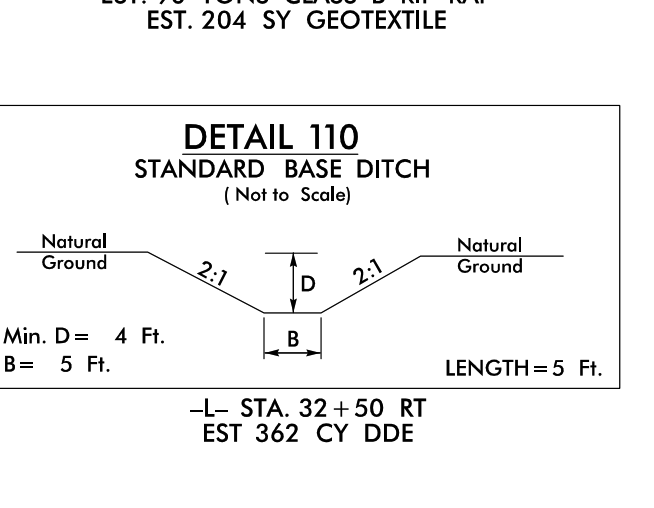
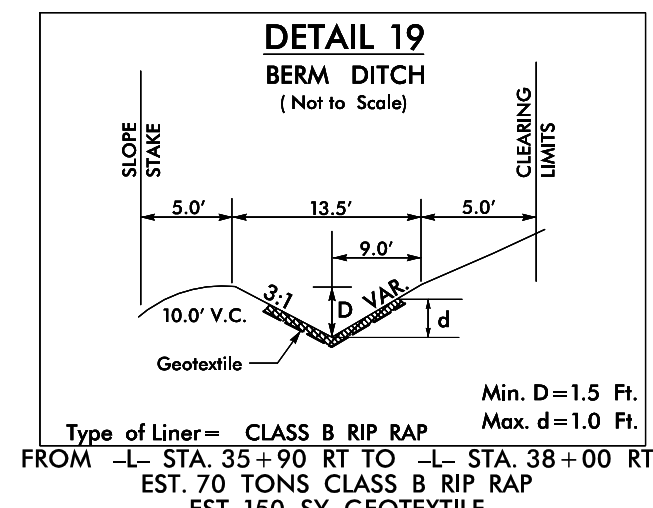
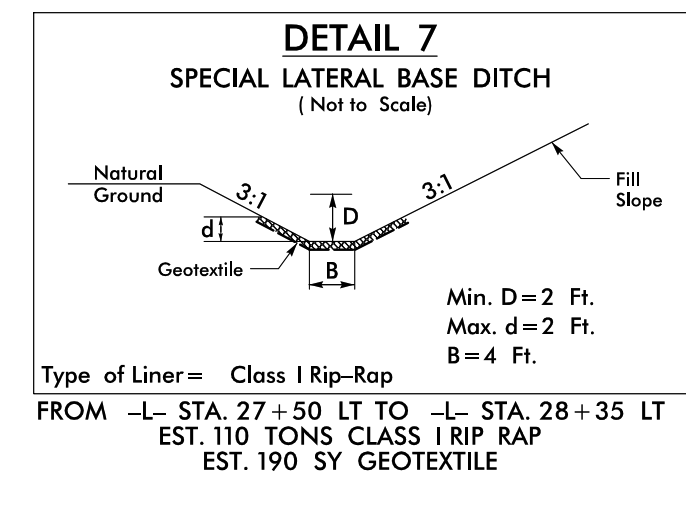
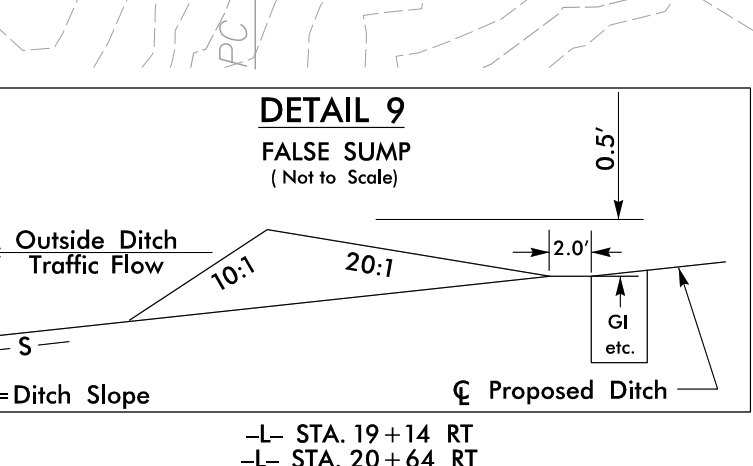
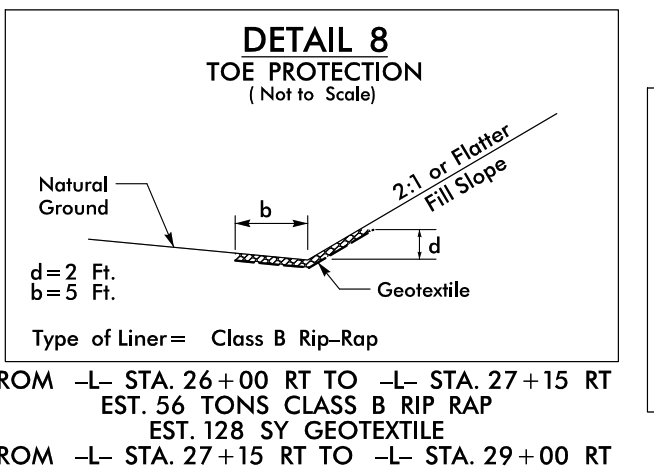
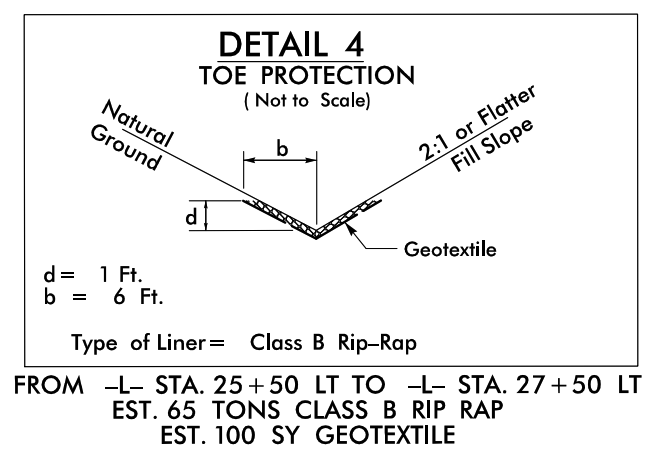
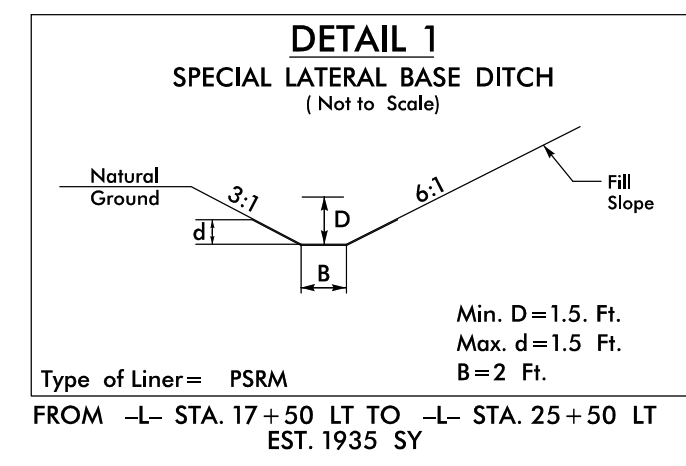
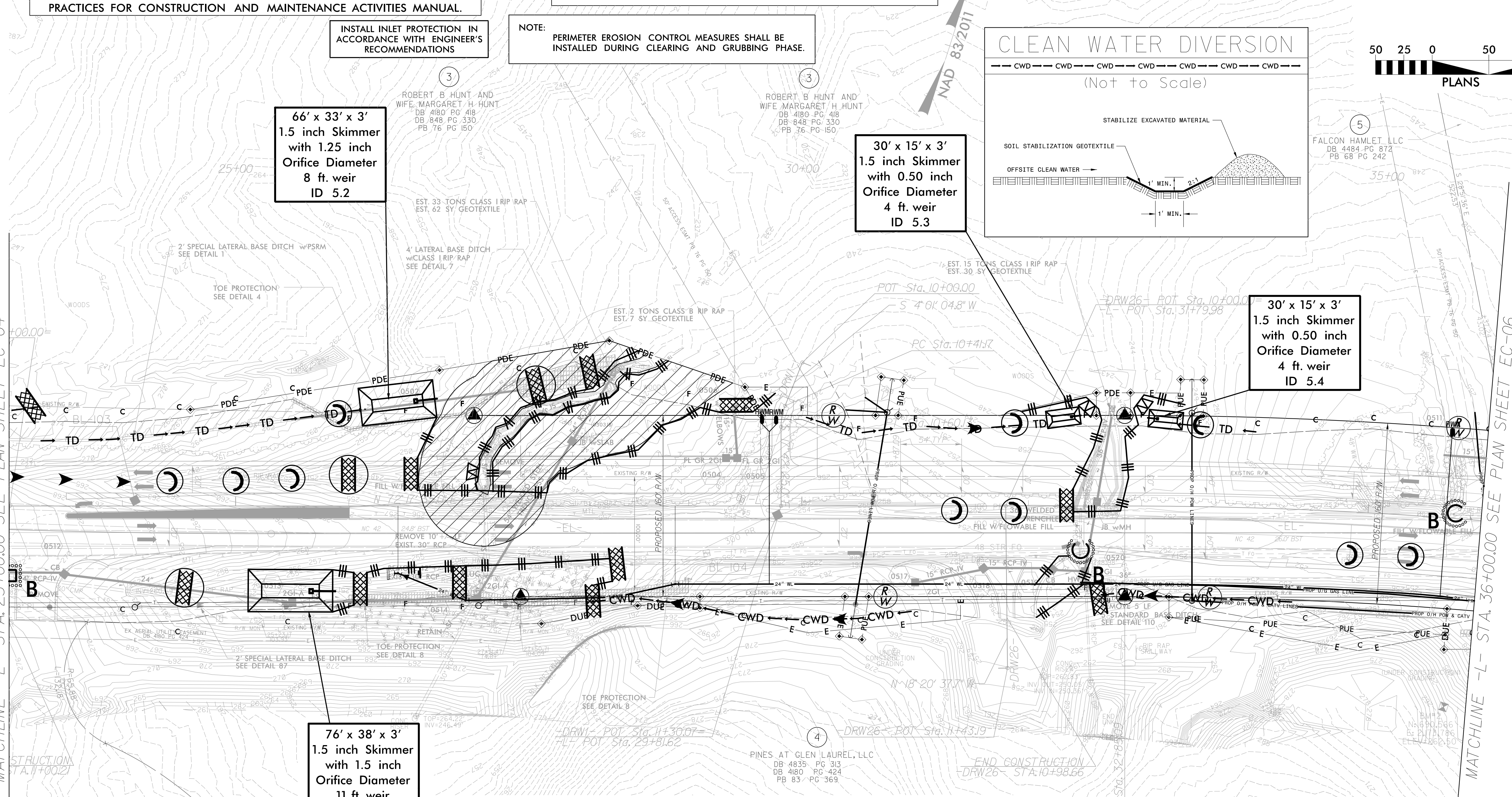
INSTALL INLET PROTECTION IN ACCORDANCE WITH ENGINEER'S RECOMMENDATIONS

NOTE: PERIMETER EROSION CONTROL MEASURES SHALL BE INSTALLED DURING CLEARING AND GRUBBING PHASE.



MATCHLINE -L- STA. 23+00.00 SEE PLAN SHEET EC-04

MATCHLINE -L- STA. 36+00.00 SEE PLAN SHEET EC-06



FOR -L- PROFILE SEE SHEET 24

REVISIONS

DATE/TIME: 05/31/14 AM  
2016: P:\Erosion Control\03825B\_rwl\_EC\_26105.dgn

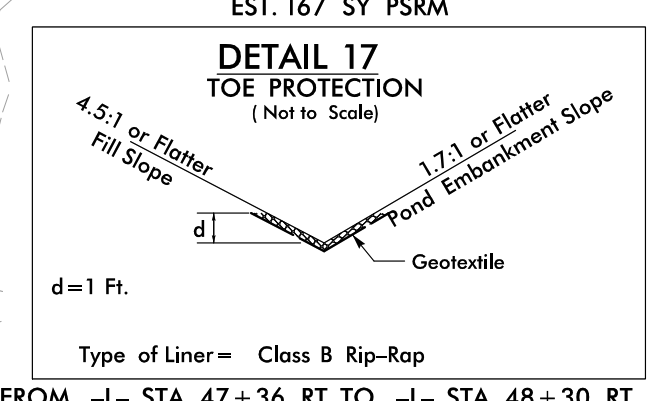
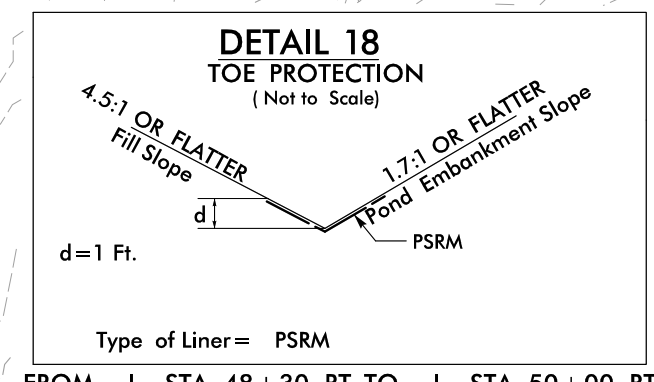
NOTE: PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

NOTE: PERIMETER EROSION CONTROL MEASURES SHALL BE INSTALLED DURING CLEARING AND GRUBBING PHASE.

INSTALL INLET PROTECTION IN ACCORDANCE WITH ENGINEER'S RECOMMENDATIONS

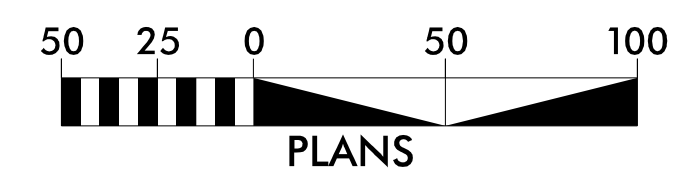
CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 6

Construct Proposed Berm Ditch according to Detail 19 from -L- Sta. 34+50 RT to -L- Sta. 38+00 RT During the Clearing and Grubbing Phase



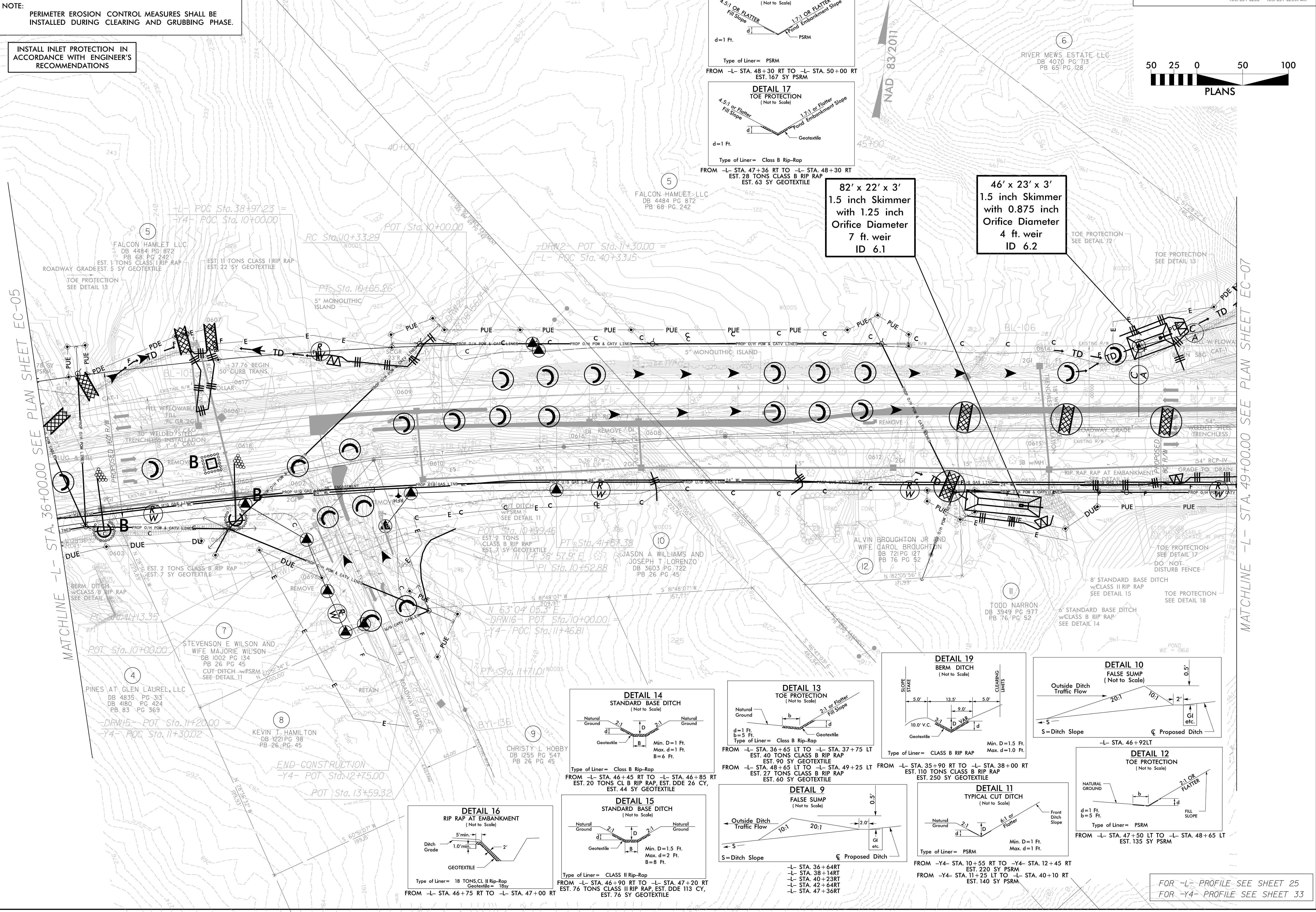
82' x 22' x 3'  
1.5 inch Skimmer with 1.25 inch Orifice Diameter  
7 ft. weir  
ID 6.1

46' x 23' x 3'  
1.5 inch Skimmer with 0.875 inch Orifice Diameter  
4 ft. weir  
ID 6.2



MATCHLINE -L- STA. 36+00.00 SEE PLAN SHEET EC-05

MATCHLINE -L- STA. 49+00.00 SEE PLAN SHEET EC-07



REVISIONS

DATE/TIME: 05/31/16 AM  
2016: P:\Erosion Control\3825B\_rwl\_EC\_20160531.dgn

FOR -L- PROFILE SEE SHEET 25  
FOR -Y4- PROFILE SEE SHEET 33

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

NOTE:  
PERIMETER EROSION CONTROL MEASURES SHALL BE INSTALLED DURING CLEARING AND GRUBBING PHASE.

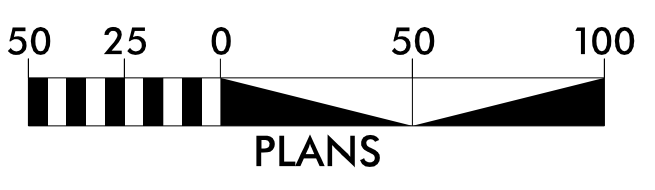
CLEARING AND GRUBBING EROSION CONTROL MEASURES SHALL BE INSTALLED DURING CONSTRUCTION SHEET 7

Construct Proposed Berm Ditch according to Detail 19 from -Y5- Sta. 10+70 RT to -Y5- Sta. 12+05 RT During the Clearing and Grubbing Phase

INSTALL INLET PROTECTION IN ACCORDANCE WITH ENGINEER'S RECOMMENDATIONS

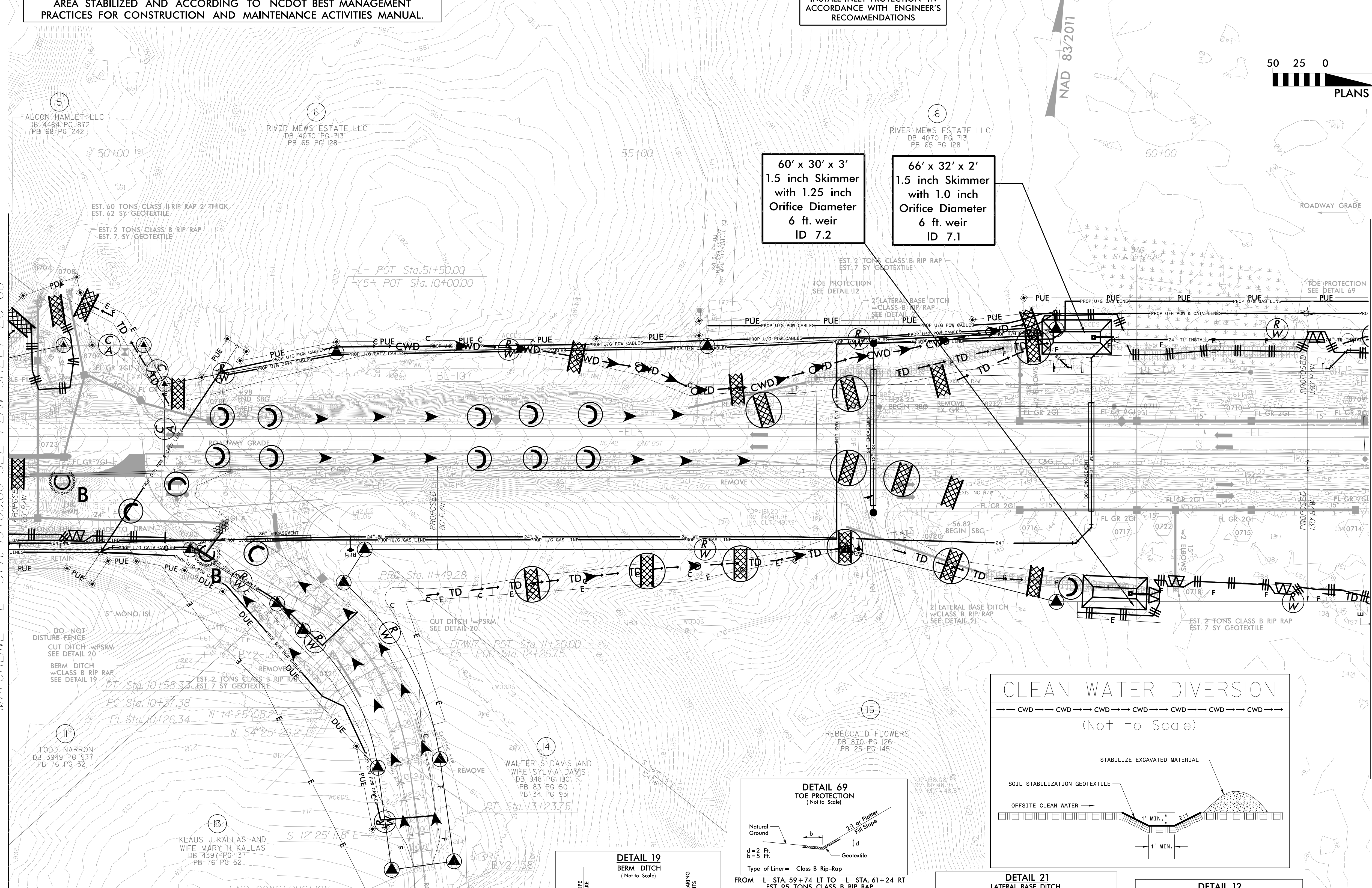
INSTALL PIPE(S) IN JURISDICTIONAL AREAS WITHOUT IMPACTING STREAM UNTIL AREA STABILIZED AND ACCORDING TO NCDOT BEST MANAGEMENT PRACTICES FOR CONSTRUCTION AND MAINTENANCE ACTIVITIES MANUAL.

PROJECT REFERENCE NO.	SHEET NO.
R-3825B	EC-07/CONST.7
RW SHEET NO.	
<small>Prepared in the Office of:</small> <b>AECOM</b>	



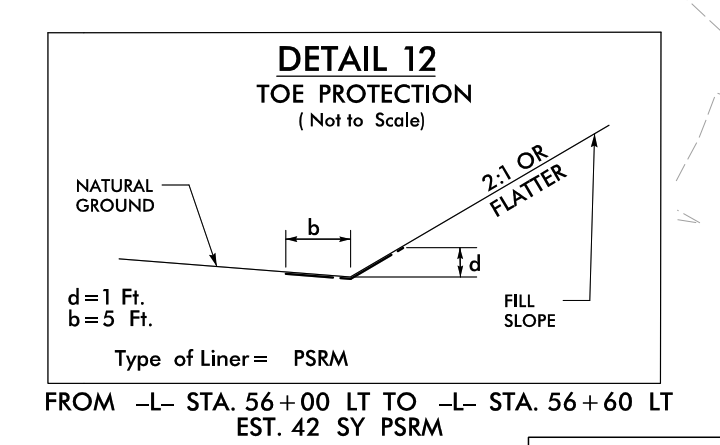
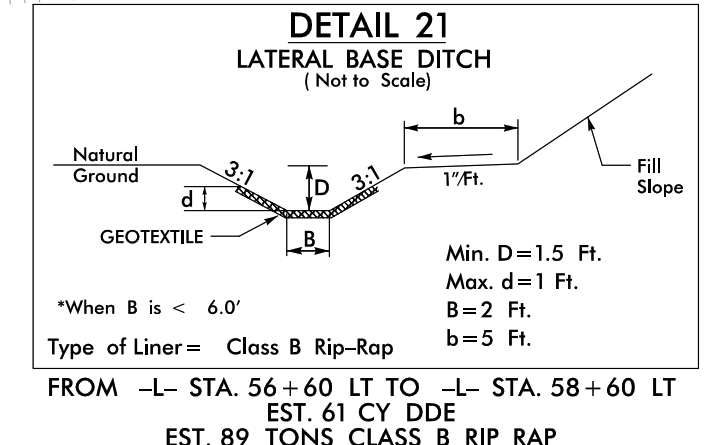
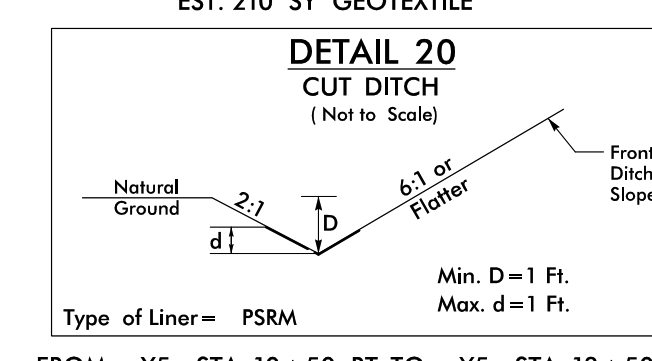
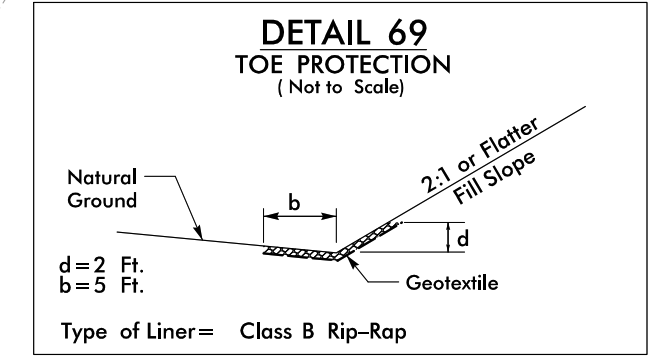
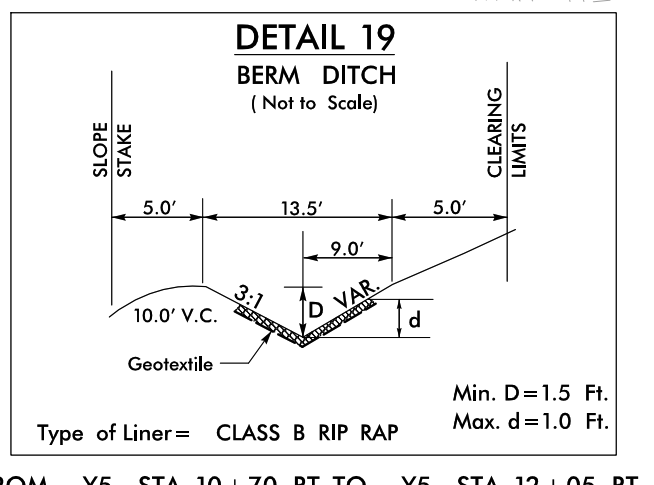
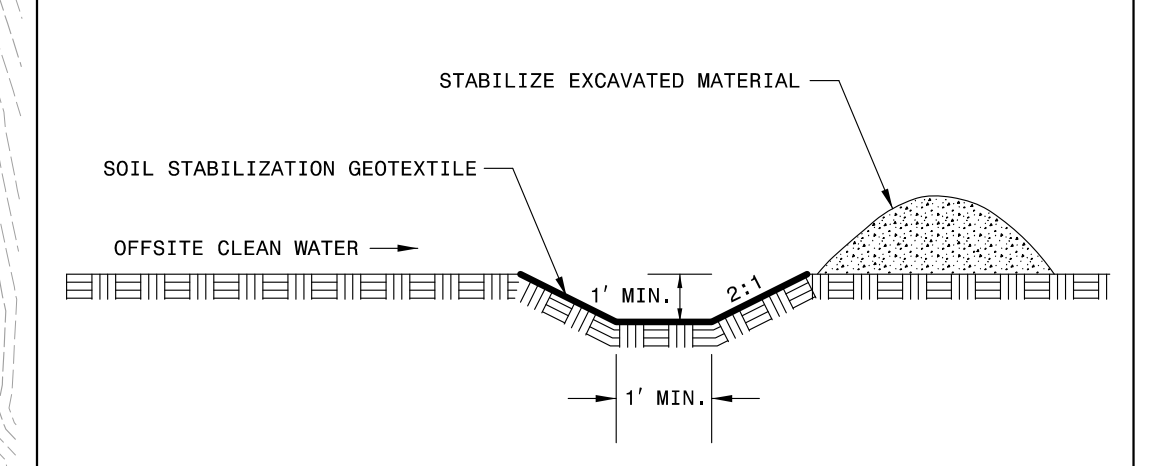
MATCHLINE -L- STA. 49+00.00 SEE PLAN SHEET EC-06

MATCHLINE -L- STA. 62+00.00 SEE PLAN SHEET EC-08



REVISIONS

**CLEAN WATER DIVERSION**  
(Not to Scale)



FOR -L- PROFILE SEE SHEET 25  
FOR -Y5- PROFILE SEE SHEET 33

DATE/TIME: 05/31/19 AM  
DRAWN: PVE/Revision: Contron/03/25/2019/EC-07/07.dgn

DAVID H. TURLINGTON AND WIFE  
NANCY T. TURLINGTON

**ENVIRONMENTALLY SENSITIVE AREA**  
SEE PROJECT SPECIAL PROVISIONS

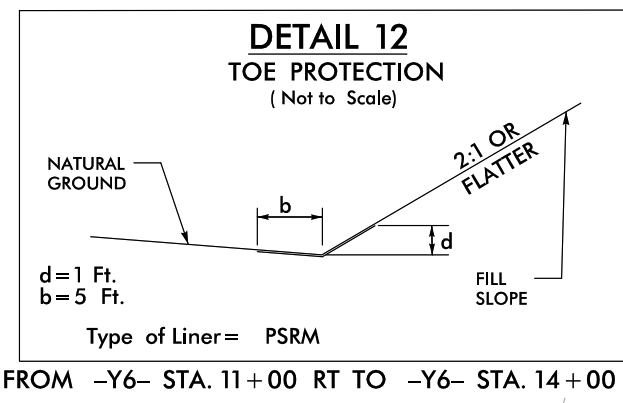
**CLEARING AND GRUBBING**  
EROSION CONTROL FOR CONSTRUCTION SHEET 8

**INSTALL PIPE(S) IN JURISDICTIONAL AREAS WITHOUT IMPACTING STREAM UNTIL AREA STABILIZED AND ACCORDING TO NCDOT BEST MANAGEMENT PRACTICES FOR CONSTRUCTION AND MAINTENANCE ACTIVITIES MANUAL.**

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

**NOTE:** PERIMETER EROSION CONTROL MEASURES SHALL BE INSTALLED DURING CLEARING AND GRUBBING PHASE.

**INSTALL INLET PROTECTION IN ACCORDANCE WITH ENGINEER'S RECOMMENDATIONS**



**42' x 20' x 3'**  
1.5 inch Skimmer  
with 0.75 inch Orifice Diameter  
4 ft. weir  
ID 8.2

**32' x 16' x 3'**  
1.5 inch Skimmer  
with 0.50 inch Orifice Diameter  
4 ft. weir  
ID 8.3

**44' x 22' x 3'**  
1.5 inch Skimmer  
with 0.875 inch Orifice Diameter  
4 ft. weir  
ID 8.1

**24' x 12' x 3'**  
1.5 inch Skimmer  
with 0.375 inch Orifice Diameter  
4 ft. weir  
ID 8.8

**30' x 15' x 3'**  
1.5 inch Skimmer  
with 0.50 inch Orifice Diameter  
4 ft. weir  
ID 8.4

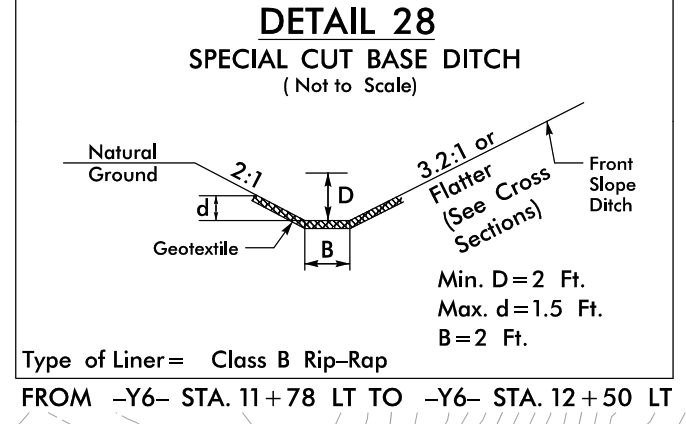
**24' x 12' x 3'**  
1.5 inch Skimmer  
with 0.375 inch Orifice Diameter  
4 ft. weir  
ID 8.7

**36' x 18' x 3'**  
1.5 inch Skimmer  
with 0.625 inch Orifice Diameter  
4 ft. weir  
ID 8.5

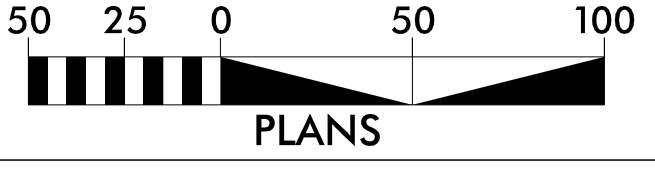
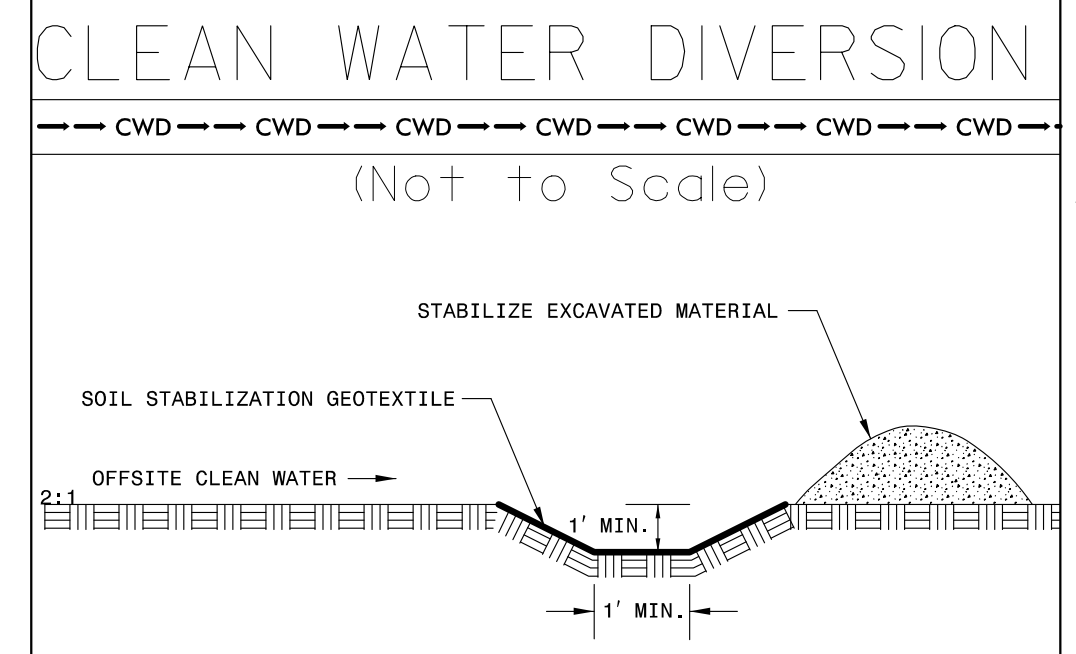
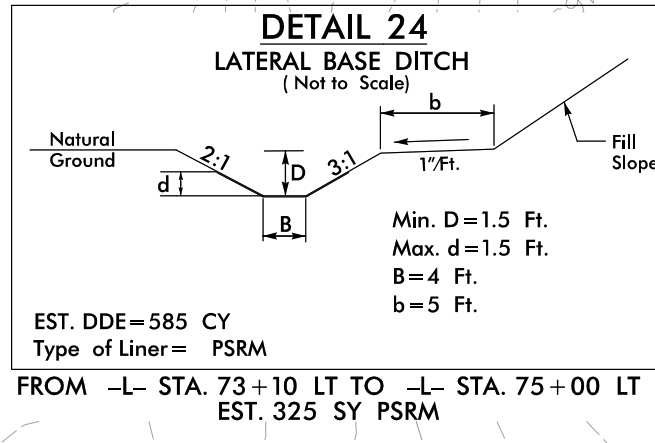
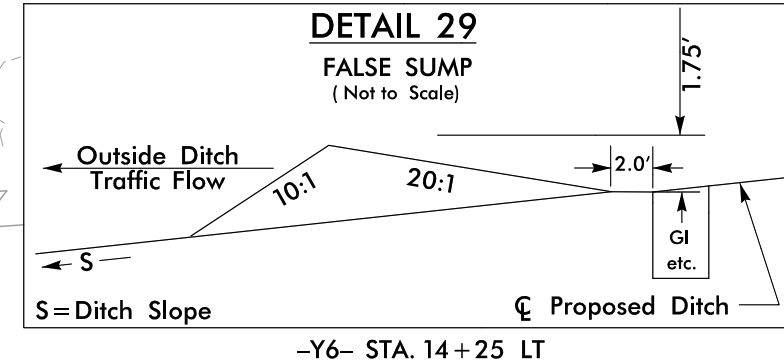
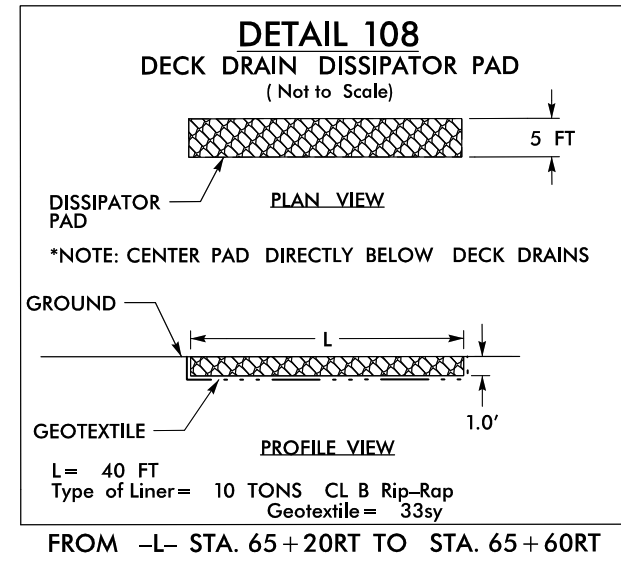
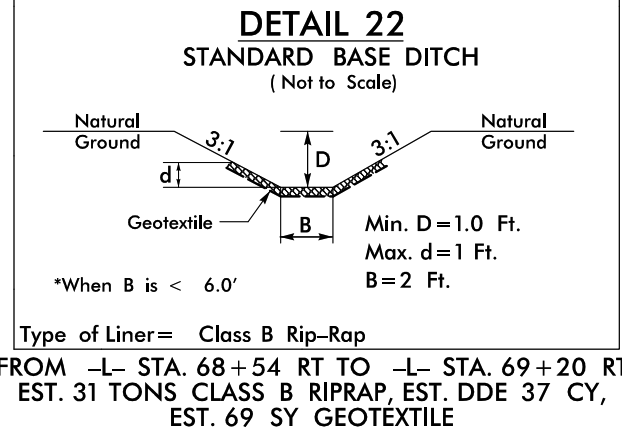
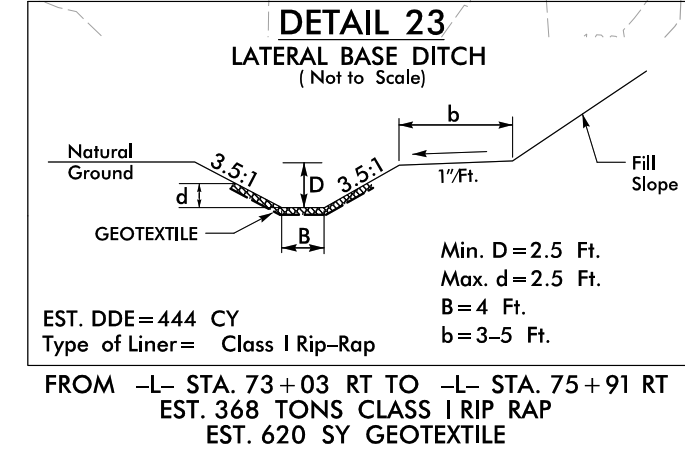
**64' x 30' x 3'**  
1.5 inch Skimmer  
with 1.25 inch Orifice Diameter  
7 ft. weir  
ID 8.6

**NOTE:** ACCESS GRANTED FOR -DRW3- UTILITY OWNER WILL BE RESPONSIBLE FOR RELOCATION & INSTALLATION OF NEW GATE. CONTROL OF ACCESS IS NOT FENCED FOR THIS PROJECT (R-3825B)

UTILITY OWNER TO PROVIDE GATE



**FOR ADDITIONAL DRAINAGE DITCH DETAILS**  
SEE ROADWAY PLAN SHEET 8



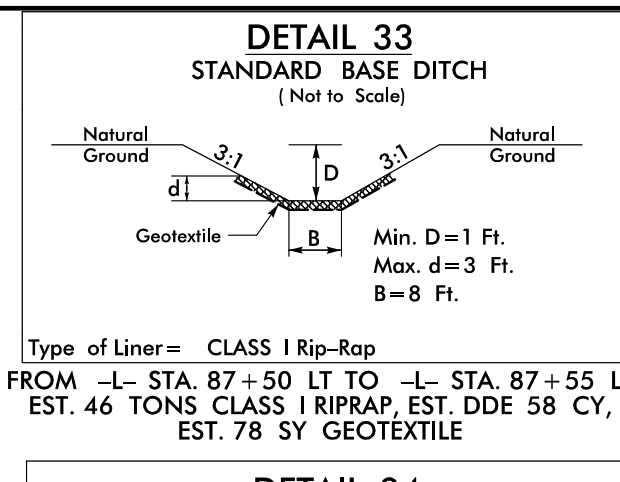
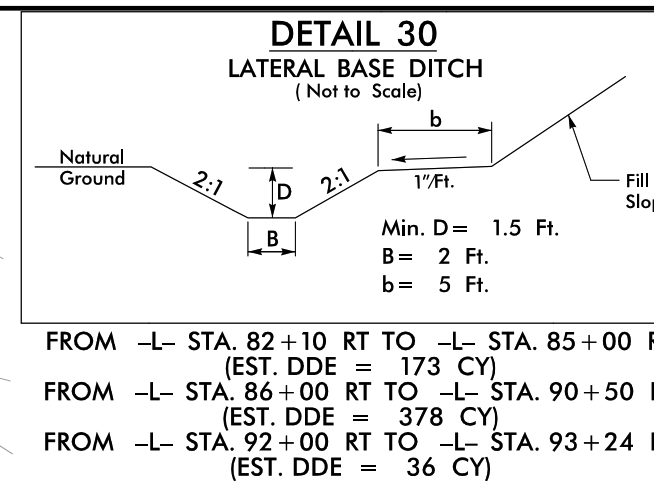
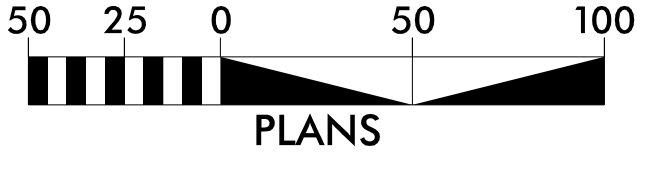
**PLANS**  
FOR -L- PROFILE SEE SHEET 26  
FOR -Y6- PROFILE SEE SHEET 34

REVISIONS

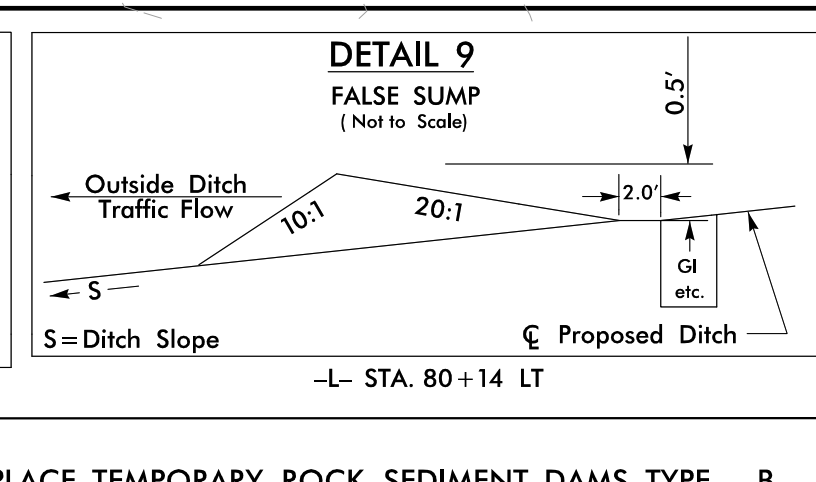
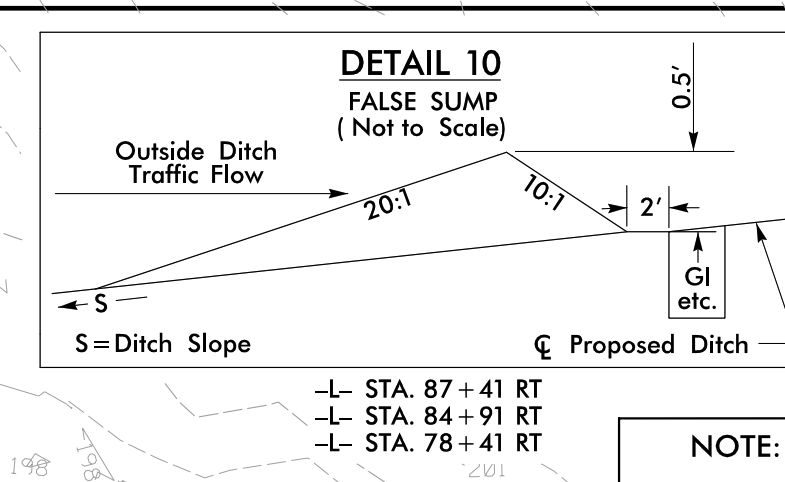
MATCHLINE -L- STA. 62+00.00 SEE PLAN SHEET EC-07

MATCHLINE -L- STA. 75+00.00 SEE PLAN SHEET EC-09



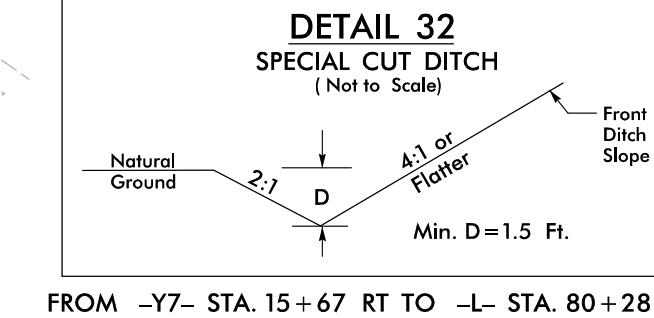
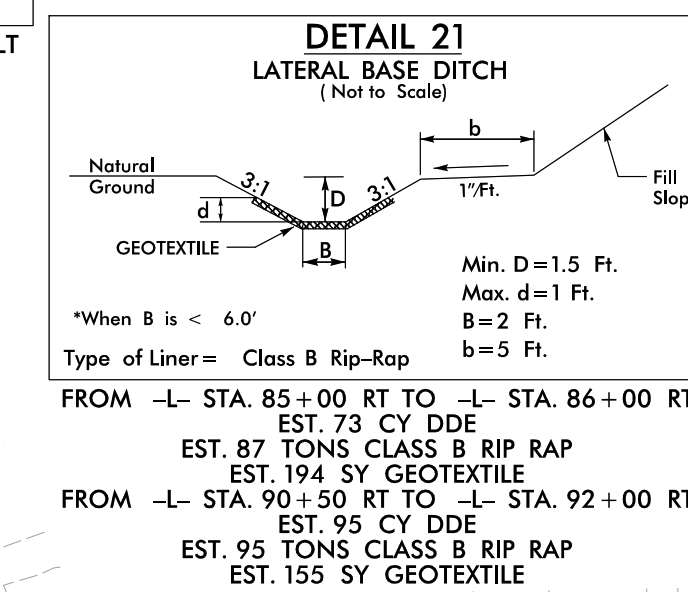
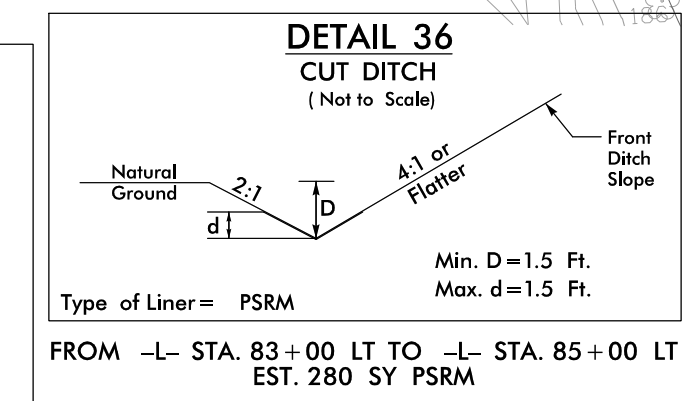
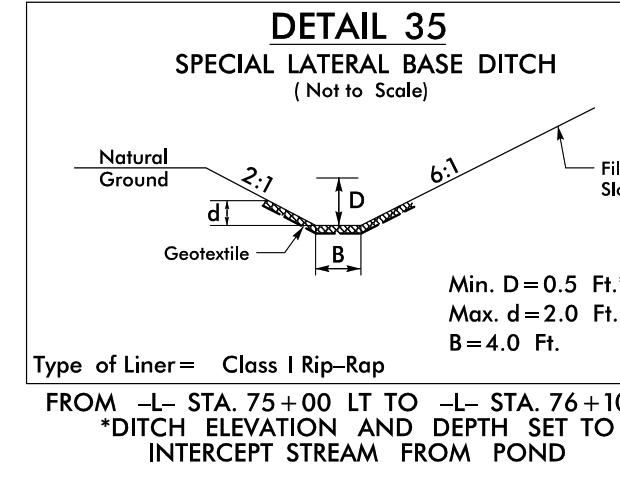
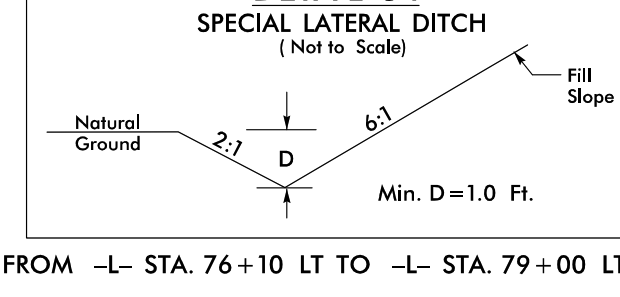
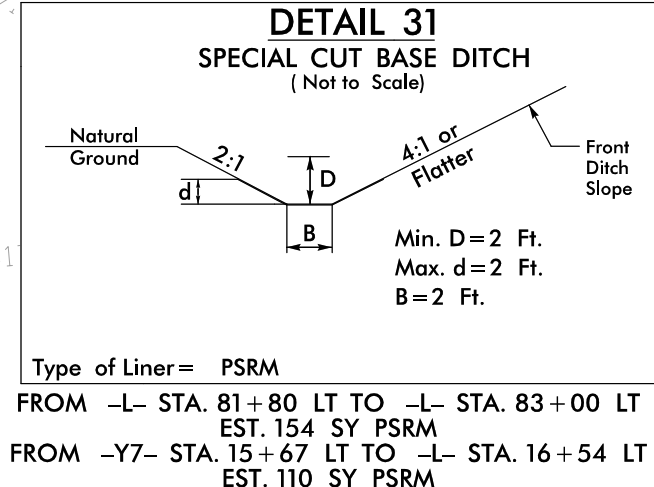


INSTALL INLET PROTECTION IN ACCORDANCE WITH ENGINEER'S RECOMMENDATIONS



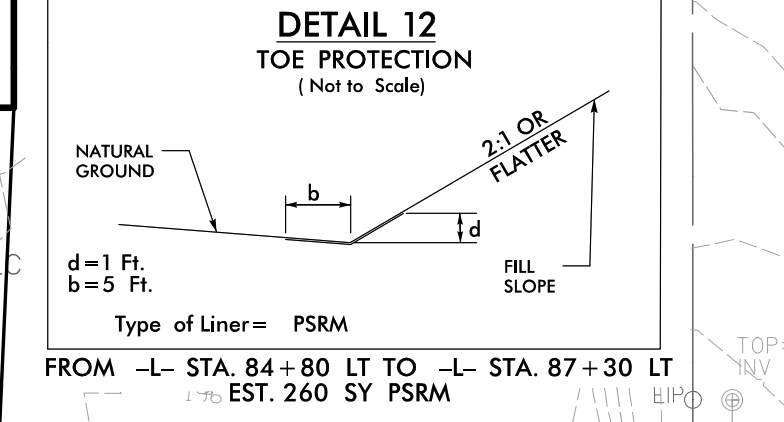
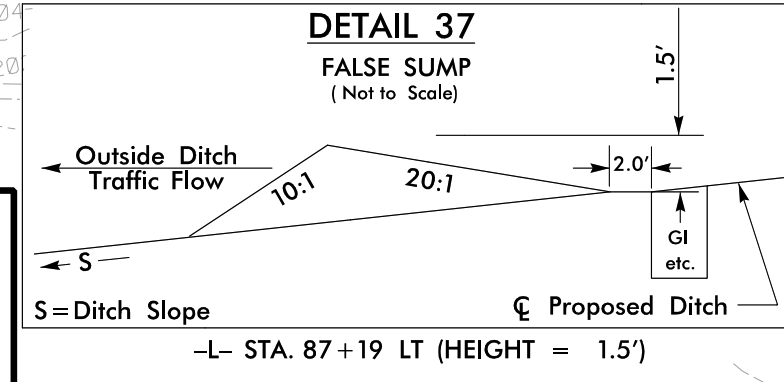
NOTE: PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 9



NOTE: PERIMETER EROSION CONTROL MEASURES SHALL BE INSTALLED DURING CLEARING AND GRUBBING PHASE.

64' x 32' x 3'  
1.5 inch Skimmer  
with 1.5 inch Orifice Diameter  
8 ft. weir  
ID 9.2

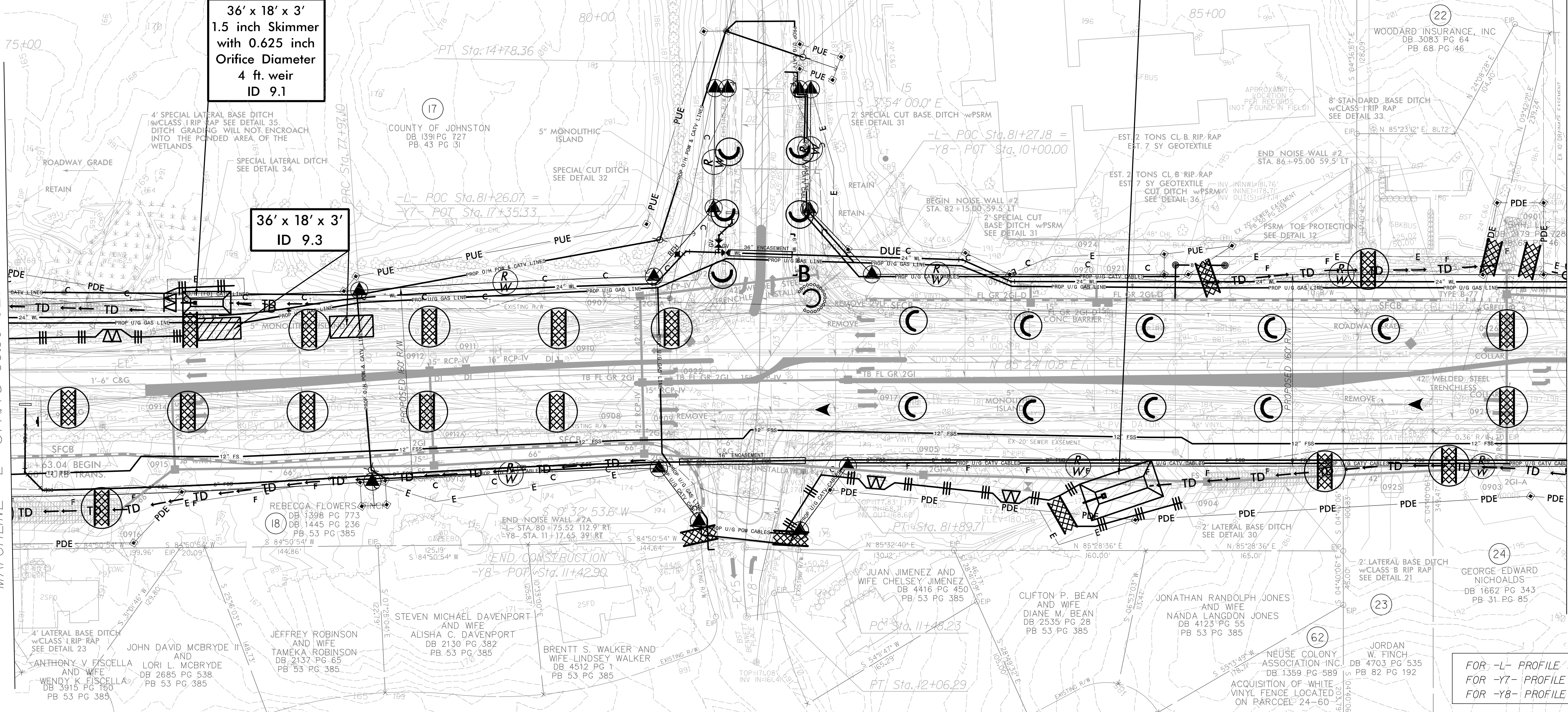


36' x 18' x 3'  
1.5 inch Skimmer  
with 0.625 inch Orifice Diameter  
4 ft. weir  
ID 9.1

36' x 18' x 3'  
ID 9.3

MATCHLINE -L- STA. 75+00.00 SEE PLAN SHEET EC-08

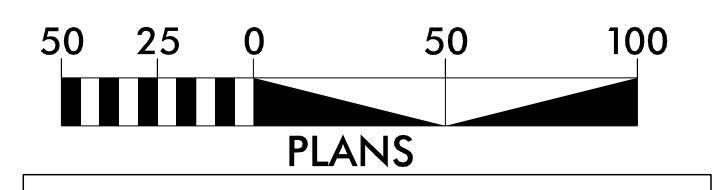
MATCHLINE -L- STA. 88+00.00 SEE PLAN SHEET EC-10



FOR -L- PROFILE SEE SHEET 26  
FOR -Y7- PROFILE SEE SHEET 34  
FOR -Y8- PROFILE SEE SHEET 34

REVISIONS

**CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 10**



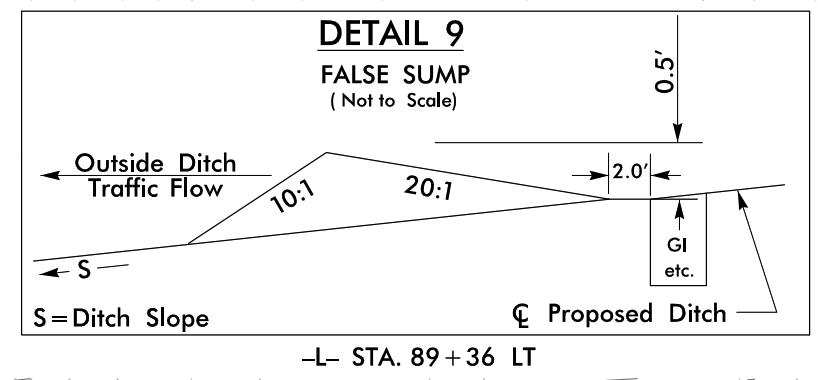
**PLANS**

FOR -L- PROFILE SEE SHEET 27  
FOR -Y9- PROFILE SEE SHEET 34  
FOR -Y10- PROFILE SEE SHEET 35

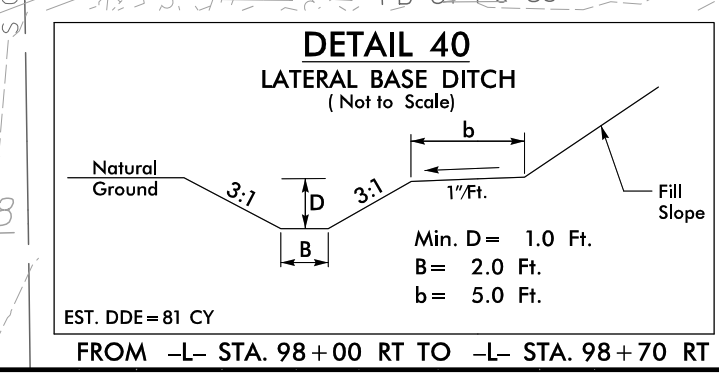
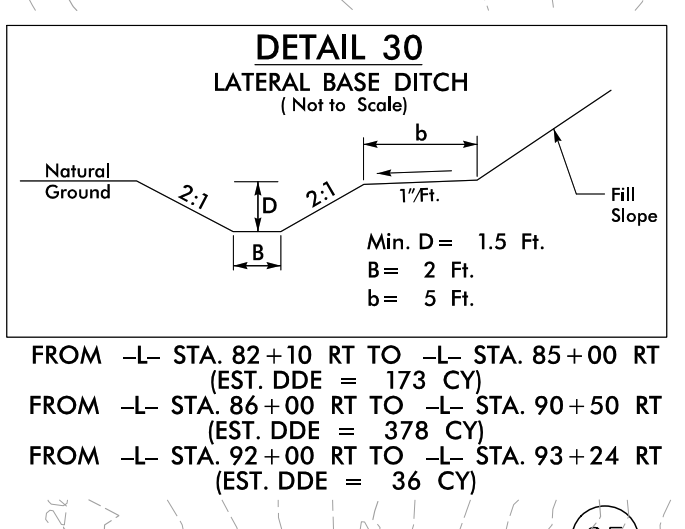
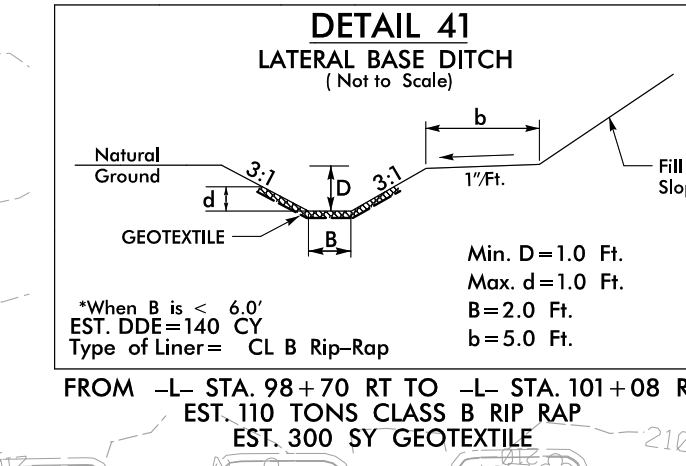
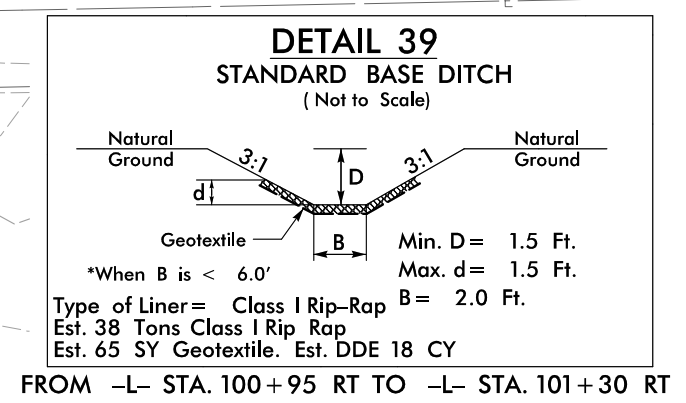
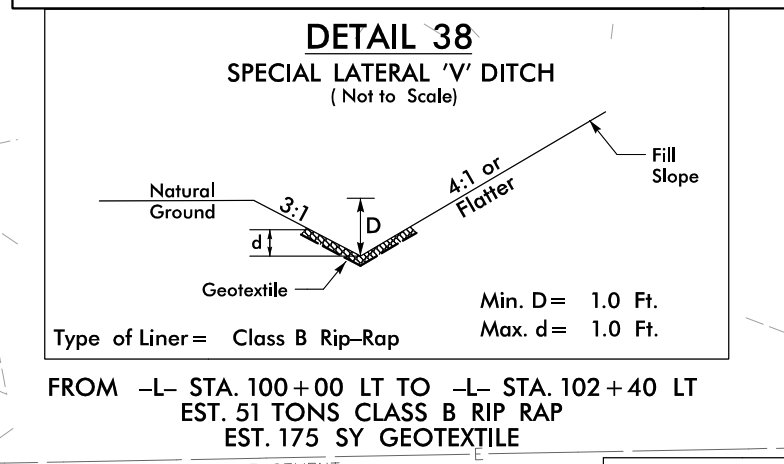
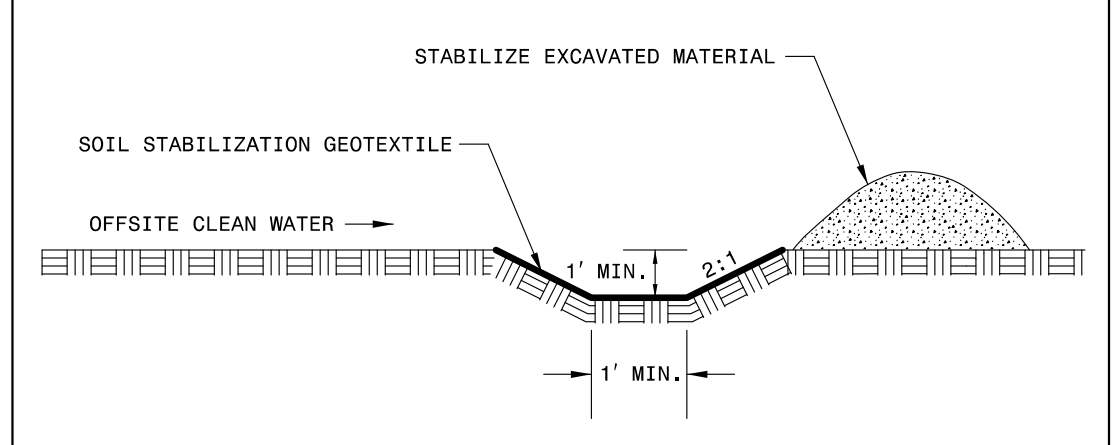
INSTALL INLET PROTECTION IN ACCORDANCE WITH ENGINEER'S RECOMMENDATIONS

NOTE: PERIMETER EROSION CONTROL MEASURES SHALL BE INSTALLED DURING CLEARING AND GRUBBING PHASE.

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



**CLEAN WATER DIVERSION**  
(Not to Scale)



**50' x 25' x 3'  
1.5 inch Skimmer  
with 1.0 inch  
Orifice Diameter  
4 ft. weir  
ID 11.4**

MATCHLINE -L- STA. 88+00.00 SEE PLAN SHEET EC-09

MATCHLINE -L- STA. 101+00.00 SEE PLAN SHEET EC-11

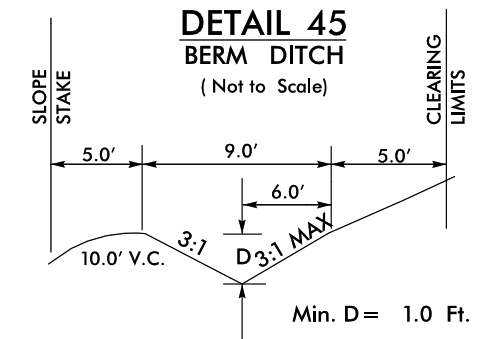
REVISIONS

DATE/TIME: 05/30/59 AM  
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**ENVIRONMENTALLY SENSITIVE AREA**  
SEE PROJECT SPECIAL PROVISIONS

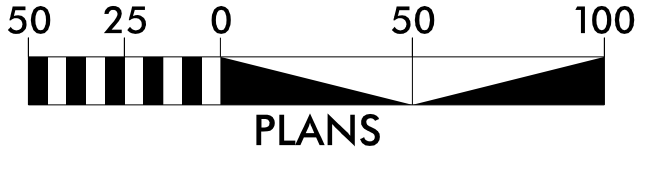
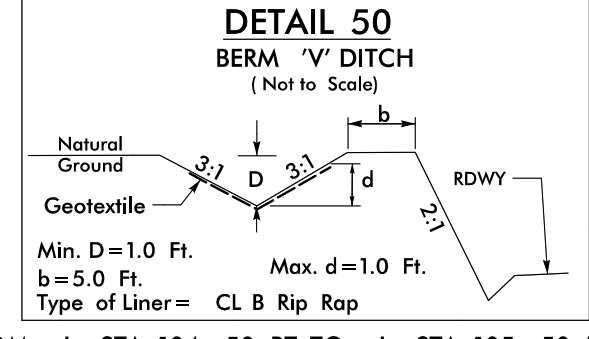
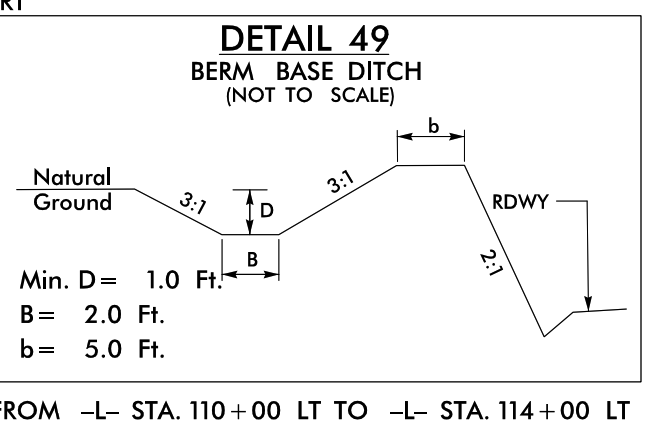
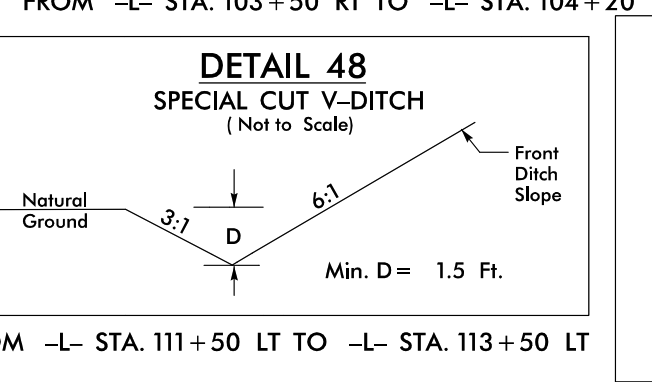
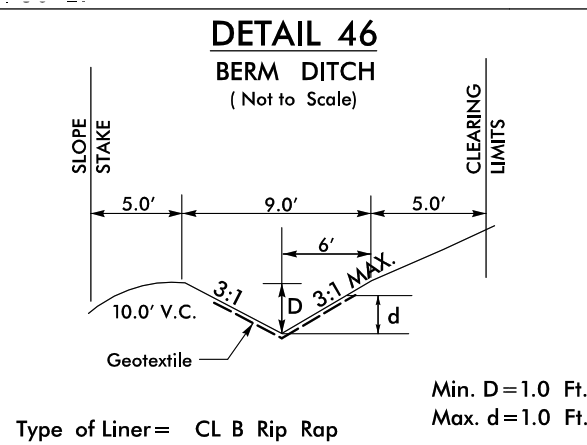
**NOTE:**  
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

**NOTE:**  
PERIMETER EROSION CONTROL MEASURES SHALL BE INSTALLED DURING CLEARING AND GRUBBING PHASE.



**CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 11**

**FOR ADDITIONAL DRAINAGE DITCH DETAILS SEE ROADWAY PLAN SHEET 11**



FROM -L- STA. 104+20 RT TO -L- STA. 104+50 RT  
EST. 10 TONS CLASS B RIP RAP  
EST. 30 SY GEOTEXTILE  
FROM -L- STA. 105+50 RT TO -L- STA. 106+00 RT  
**INSTALL INLET PROTECTION IN ACCORDANCE WITH ENGINEER'S RECOMMENDATIONS**

**INSTALL PIPE(S) IN JURISDICTIONAL AREAS WITHOUT IMPACTING STREAM UNTIL AREA STABILIZED AND ACCORDING TO NCDOT BEST MANAGEMENT PRACTICES FOR CONSTRUCTION AND MAINTENANCE ACTIVITIES MANUAL.**

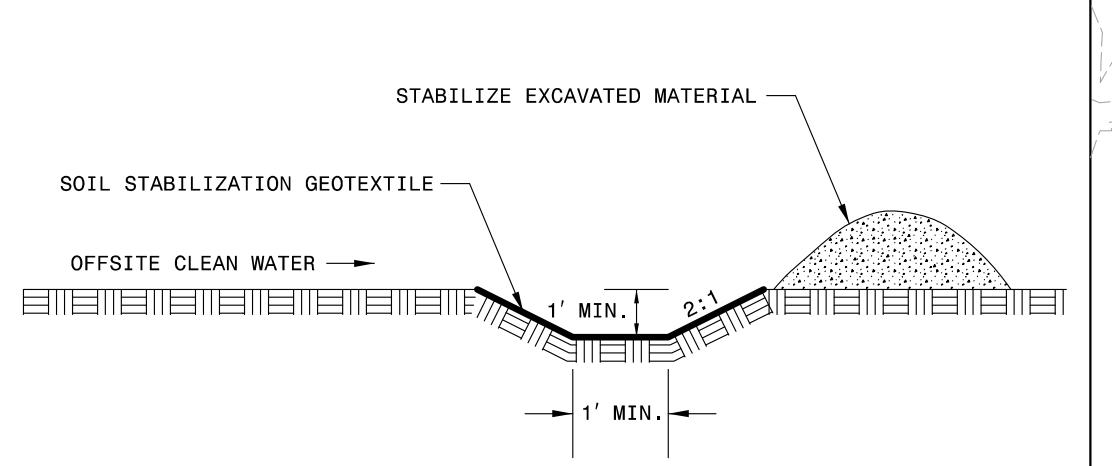
**44' x 22' x 3'**  
1.5 inch Skimmer  
with 0.875 inch Orifice Diameter  
4 ft. weir  
ID 11.1

**36' x 18' x 3'**  
1.5 inch Skimmer  
with 0.625 inch Orifice Diameter  
4 ft. weir  
ID 11.2

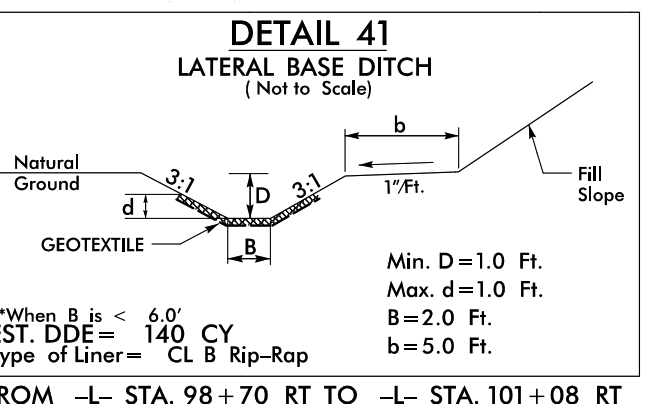
MATCHLINE -L- STA. 101+00.00 SEE PLAN SHEET EC-10

MATCHLINE -L- STA. 114+00.00 SEE PLAN SHEET EC-12

**CLEAN WATER DIVERSION**  
(Not to Scale)



**50' x 25' x 3'**  
1.5 inch Skimmer  
with 1.0 inch Orifice Diameter  
4 ft. weir  
ID 11.4



**Construct Proposed Berm Ditch according to Detail 45 from -L- Sta. 103+50 RT to -L- Sta. 104+20 RT During the Clearing and Grubbing Phase**

**Construct Proposed Berm Ditch according to Detail 46 from -L- Sta. 104+20 RT to -L- Sta. 104+50 RT -L- Sta. 105+50 RT to -L- Sta. 106+00 RT During the Clearing and Grubbing Phase**

**Construct Proposed Berm Ditch according to Detail 49 from -L- Sta. 110+00 LT to -L- Sta. 114+00 LT During the Clearing and Grubbing Phase**

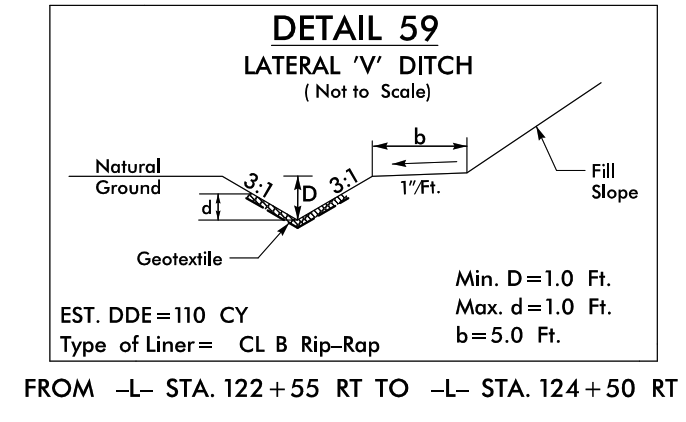
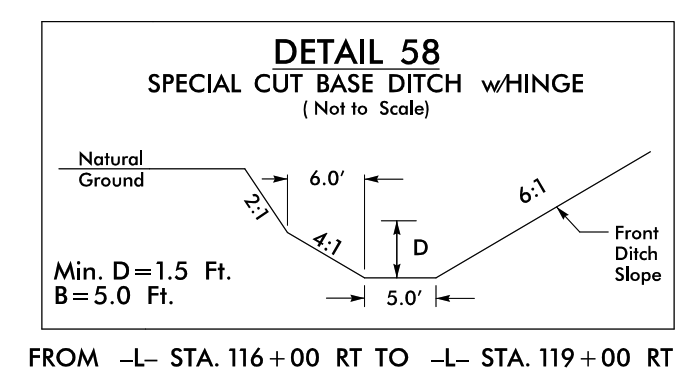
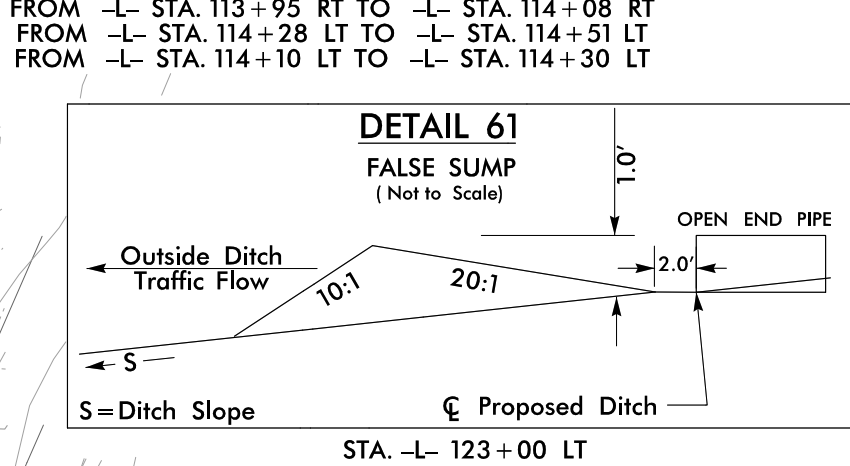
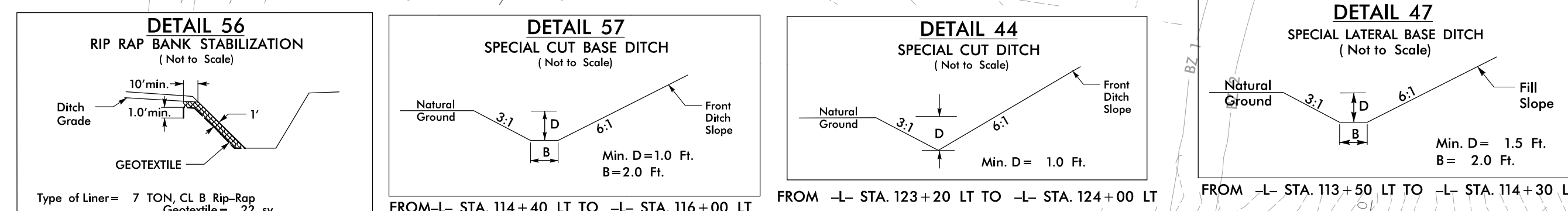
**Construct Proposed Berm Ditch according to Detail 50 from -L- Sta. 104+50 RT to -L- Sta. 105+00 RT During the Clearing and Grubbing Phase**

**36' x 18' x 3'**  
1.5 inch Skimmer  
with 0.625 inch Orifice Diameter  
4 ft. weir  
ID 11.3

**Place Matting for Erosion Control in Temporary Ditches and Diversions.**

FOR -L- PROFILE SEE SHEET 27  
FOR -Y10A- PROFILE SEE SHEET 35

REVISIONS



**50' x 25' x 3'**  
1.5 inch Skimmer  
with 1.0 inch  
Orifice Diameter  
4 ft. weir  
ID 12.1

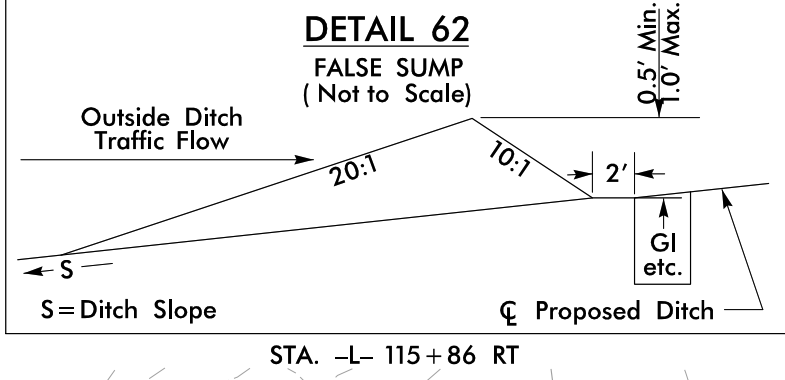
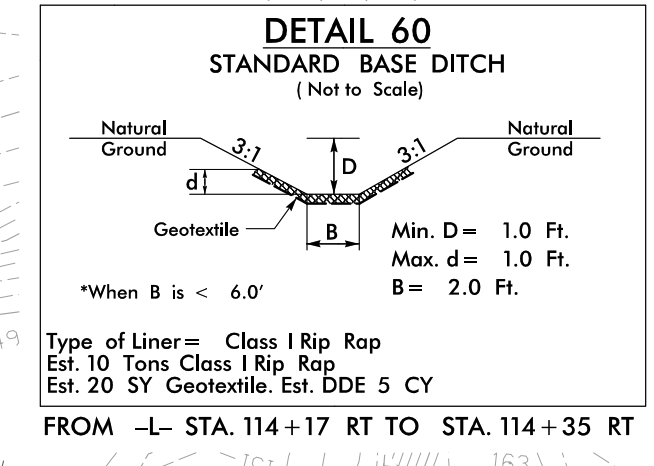
**Place Matting for Erosion  
Control in Temporary Ditches  
and Diversions.**

**65' x 12' x 3'**  
ID 12.2

**45' x 16' x 3'**  
ID 12.3

**55' x 15' x 3'**  
ID 12.4

**Place Matting for Erosion  
Control in Temporary Ditches  
and Diversions.**



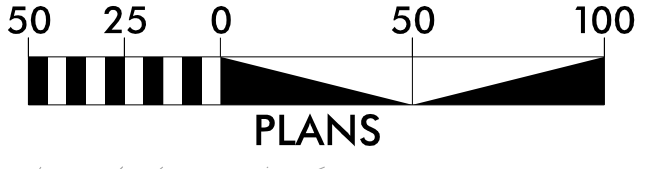
**NOTE:**  
PERIMETER EROSION CONTROL MEASURES SHALL BE  
INSTALLED DURING CLEARING AND GRUBBING PHASE.

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

**62**  
NEUSE COLONY  
ASSOCIATION INC.  
DB 1359 PG 589  
ACQUISITION OF WHITE  
VINYL FENCE LOCATED  
ON PARCEL 24-60  
FOR -L- PROFILE SEE SHEET 28  
FOR -YIOB- PROFILE SEE SHEET 35

MATCHLINE -L- STA. 114+00.00 SEE PLAN SHEET EC-31

MATCHLINE -L- STA. 127+00.00 SEE PLAN SHEET EC-33



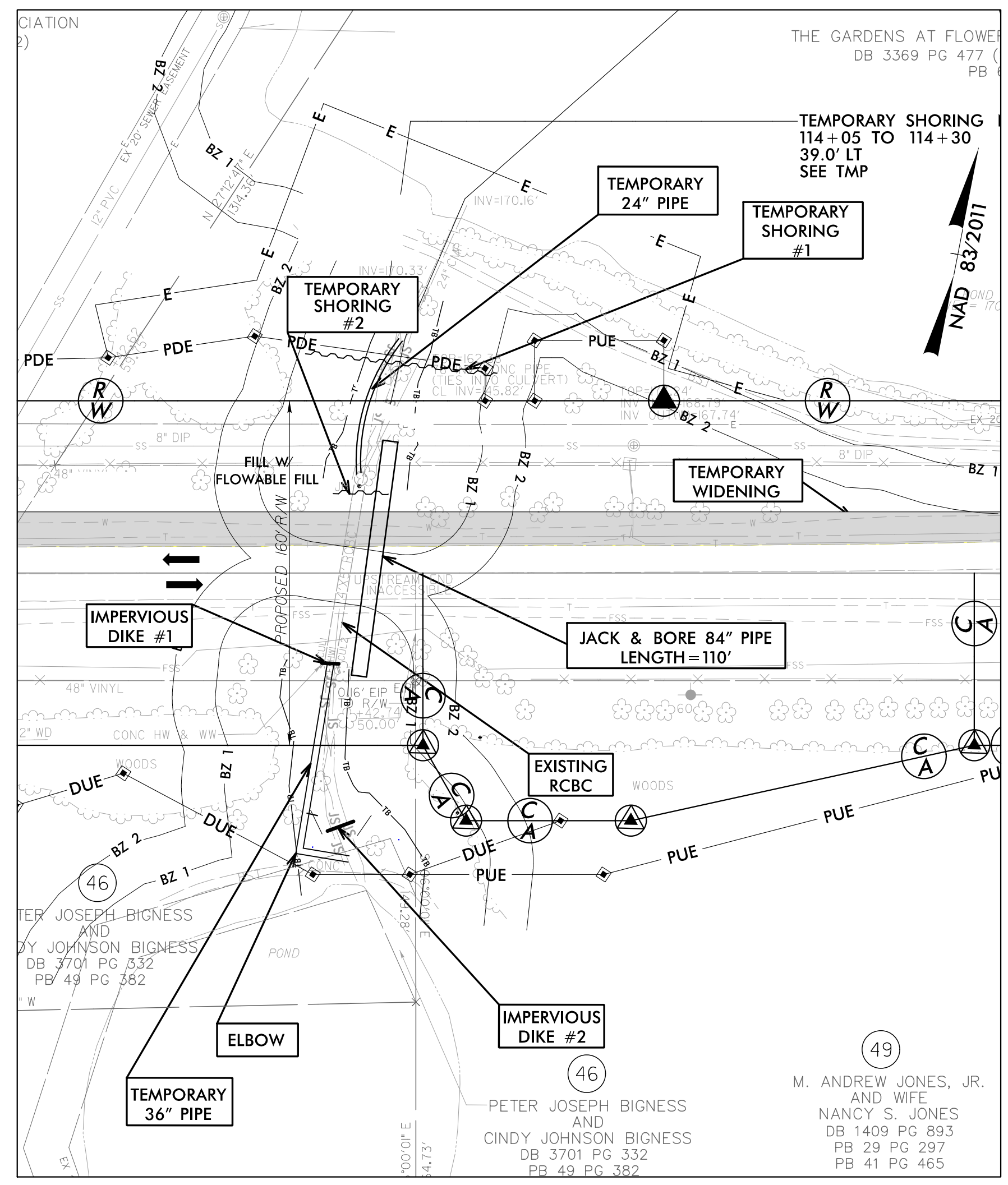
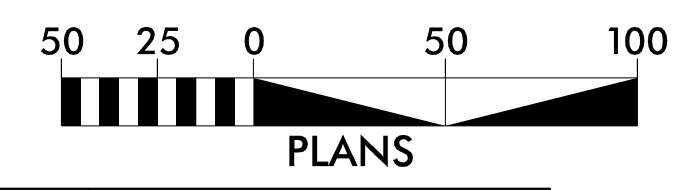
**CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 12**

**INSTALL INLET PROTECTION IN  
ACCORDANCE WITH ENGINEER'S  
RECOMMENDATIONS**

**ENVIRONMENTALLY SENSITIVE AREA  
SEE PROJECT SPECIAL PROVISIONS**

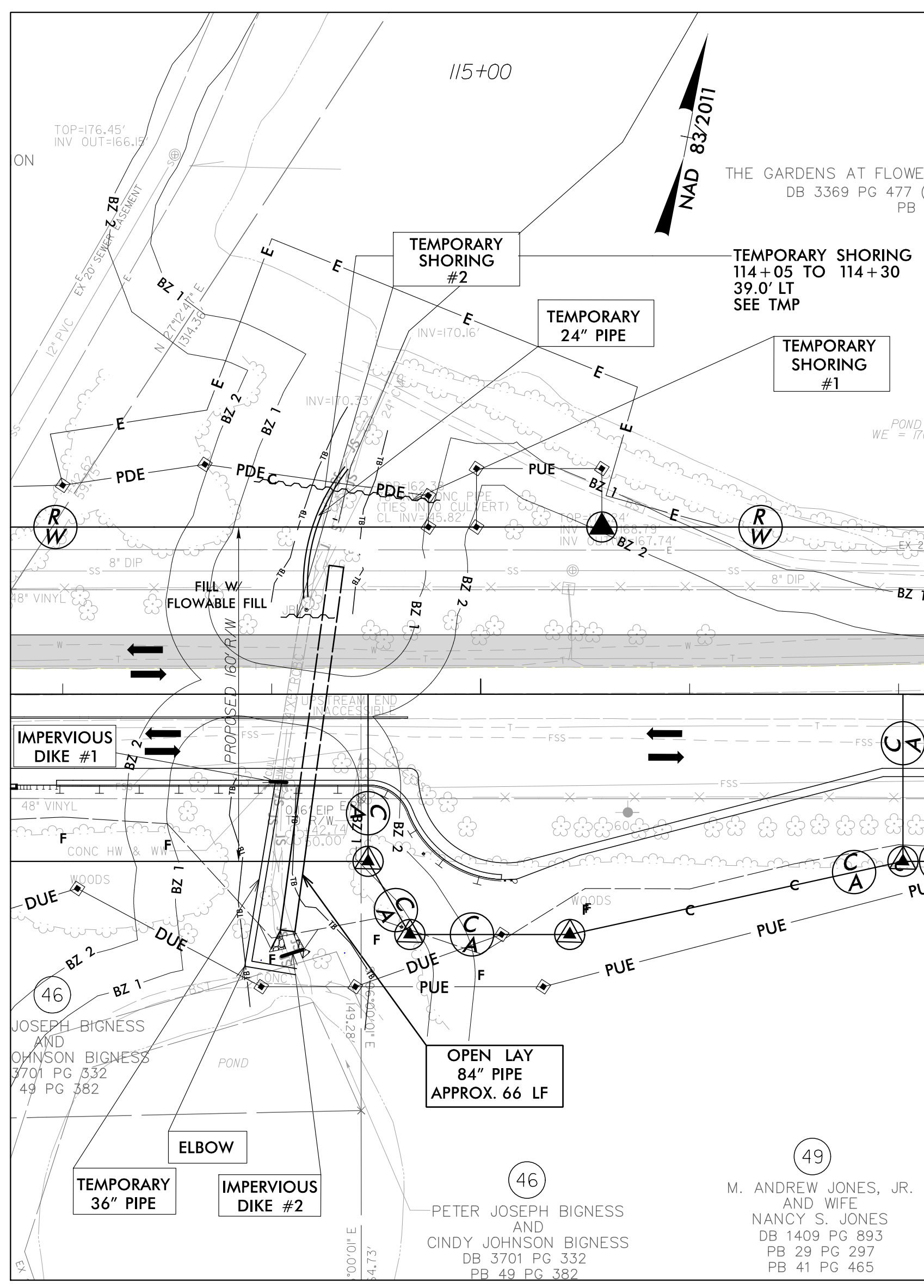
REVISIONS

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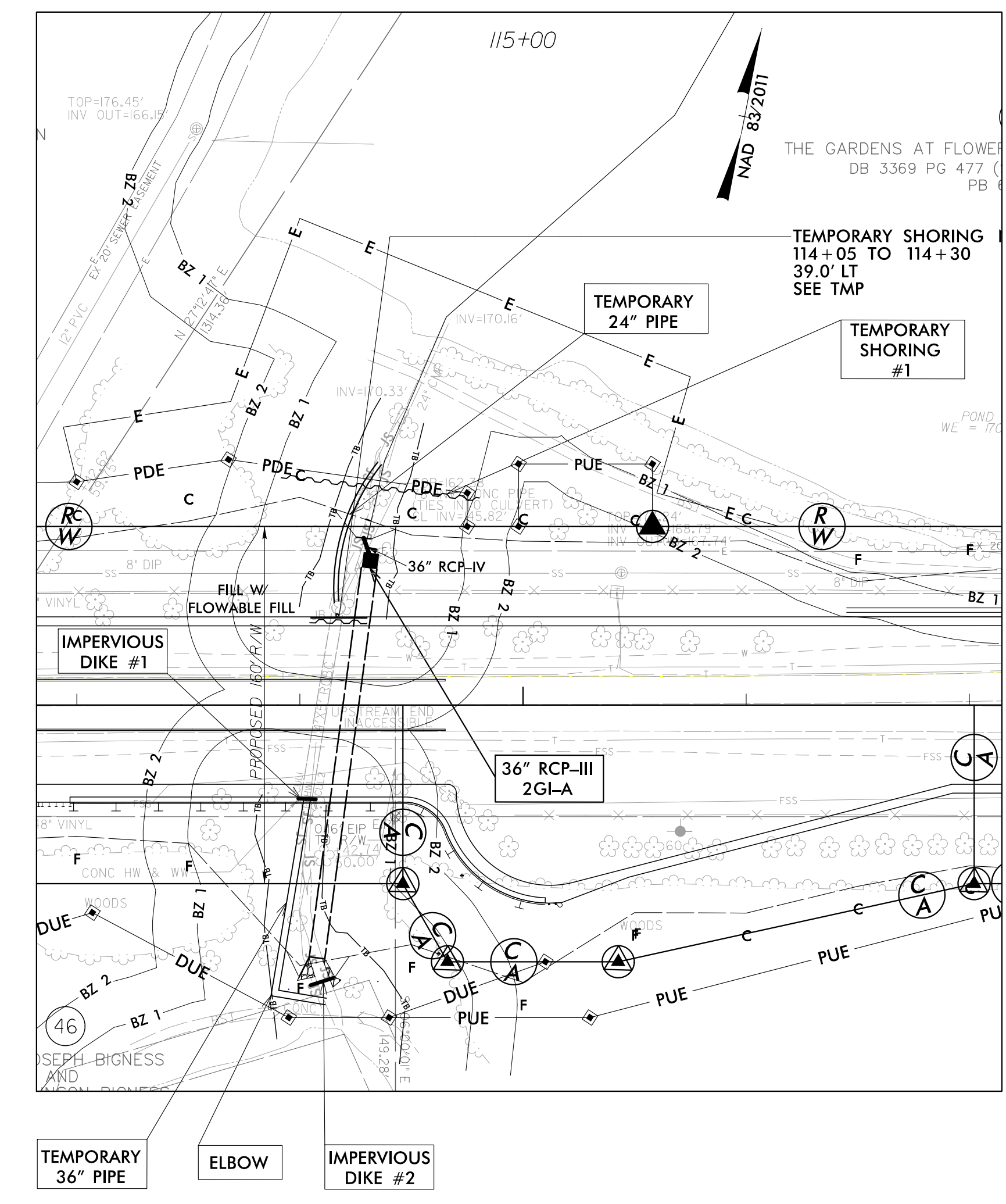
**CULVERT CONSTRUCTION SEQUENCE  
STA. 114+23 -L-  
PHASE I**

- KEEP TRAFFIC ON EXISTING PAVEMENT.
- MAINTAIN FLOW IN EXISTING RCBC.
- INSTALL SPECIAL STILLING BASIN(S).
- INSTALL 24" TEMPORARY PIPE TO CARRY STREAM FLOW FROM 24" CMP POND DISCHARGE TO EXISTING VERTICAL RISER AT UPSTREAM END OF EXISTING CULVERT.
- INSTALL TEMPORARY SHORING #1 (SEE STRUCTURE PLAN SHEET C2-1).
- INSTALL TEMPORARY 36" PIPE AND ELBOW, AND IMPERVIOUS DIKE #1 IN DOWNSTREAM END OF EXISTING CULVERT.
- WHILE MAINTAINING FLOW IN EXISTING RCBC, JACK AND BORE 84" PIPE (APPROXIMATELY 110 LF).
- INSTALL TEMPORARY SHORING #2 (SEE STRUCTURE PLAN SHEET C2-1) AND CONSTRUCT TEMPORARY WIDENING.
- INSTALL IMPERVIOUS DIKE #2.



**CULVERT CONSTRUCTION SEQUENCE (STA. 114+23 -L-)  
PHASE II**

- KEEP THE FOLLOWING DEVICES INSTALLED IN PHASE I IN OPERATION: SPECIAL STILLING BASIN(S), SHORINGS #1 AND #2, IMPERVIOUS DIKES #1, AND #2, AND THE TEMPORARY 24" AND 36" PIPES.
- SHIFT TRAFFIC ONTO TEMPORARY WIDENING.
- WHILE MAINTAINING FLOW IN EXISTING RCBC, (AND THE TEMPORARY PIPE INSTALLED IN PHASE I), OPEN LAY 84" PIPE (APPROXIMATELY 66 LF) AND CONSTRUCT ENDWALL AND OUTLET CHANNEL WORK.
- CONSTRUCT EASTBOUND LANES.

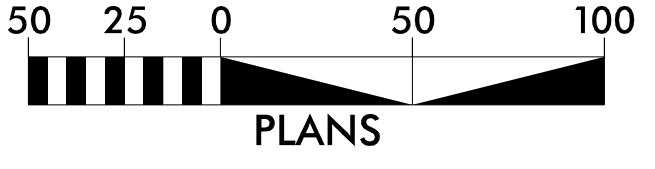


**CULVERT CONSTRUCTION SEQUENCE (STA. 114+23 -L-)  
PHASE III**

- KEEP THE FOLLOWING DEVICES INSTALLED IN PHASE I IN OPERATION : SPECIAL STILLING BASIN(S) SHORING #1, IMPERVIOUS DIKES #1 AND #2, AND THE TEMPORARY 24" AND 36" PIPES.
- SHIFT TRAFFIC ONTO THE EASTBOUND LANES.
- WHILE MAINTAINING FLOW IN EXISTING RCBC, (AND THE TEMPORARY PIPE INSTALLED IN PHASE I), CONSTRUCT PROPOSED 36" RCP-CLASS III, 2GI-A AND HEADWALL.
- DIVERT FLOW INTO 84" PIPE.
- REMOVE THE FOLLOWING DEVICES INSTALLED IN PHASE I: SPECIAL STILLING BASIN(S), SHORING #1, IMPERVIOUS DIKES #1 AND #2, AND THE TEMPORARY 24" AND 36" PIPES.
- COMPLETE ROADWAY AND STABILIZE DISTURBED AREAS.

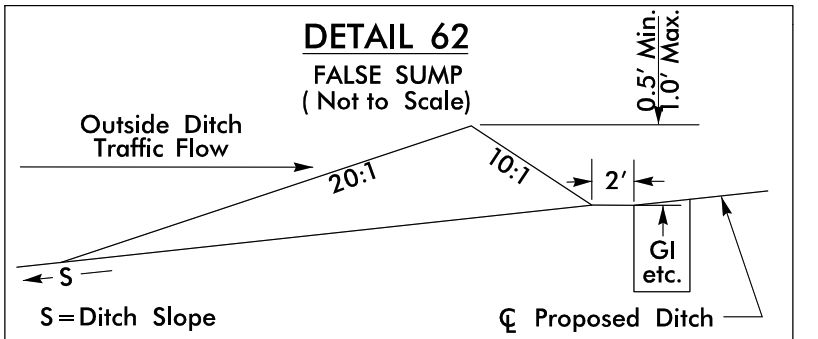
REVISIONS

DATE/TIME: 10/4/14 AM  
D06: RW Erosion Control/03825B\_rwl\_EC\_201420dgn



30' x 15' x 3'  
1.5 inch Skimmer  
with 0.50 inch  
Orifice Diameter  
4 ft. weir  
ID 13.2

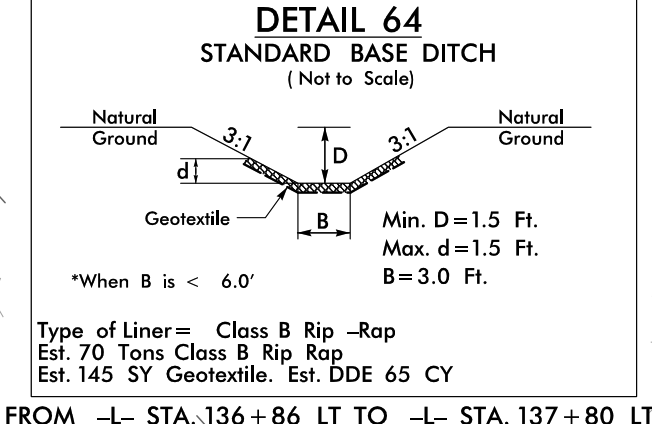
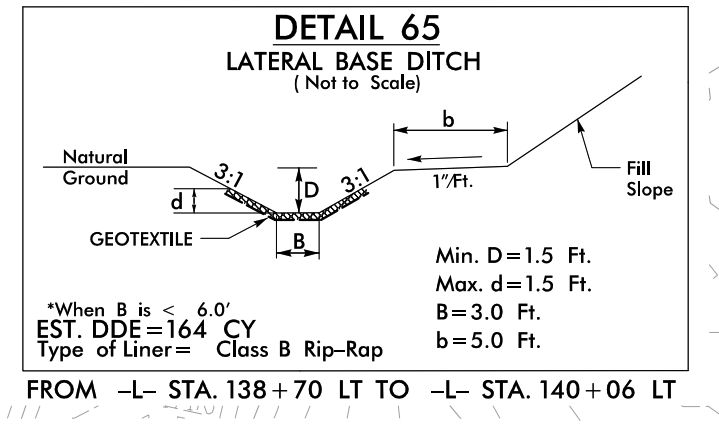
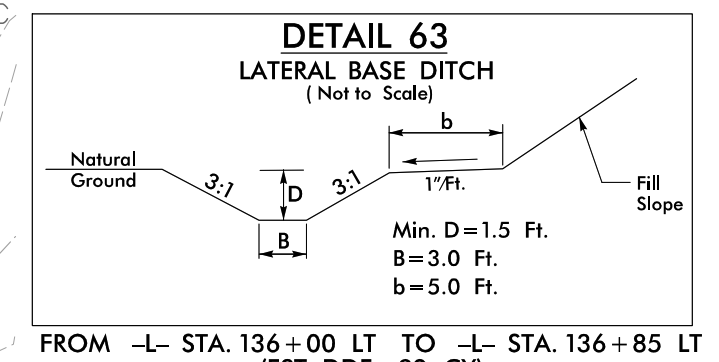
ENVIRONMENTALLY SENSITIVE AREA  
SEE PROJECT SPECIAL PROVISIONS



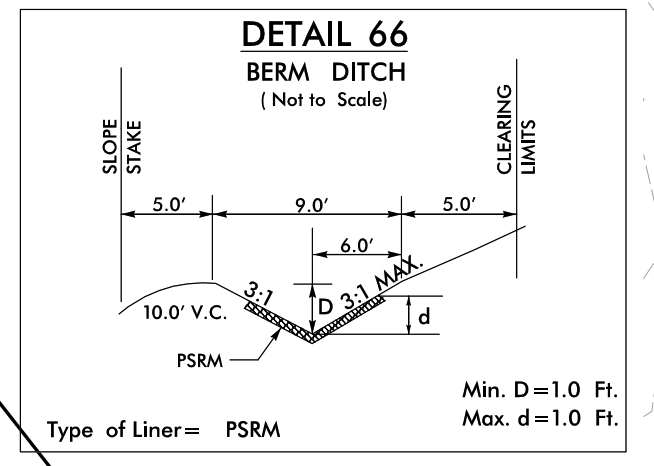
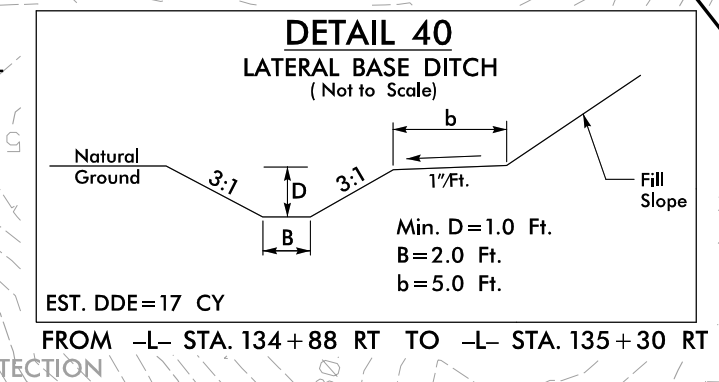
NOTE:  
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B  
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT  
DRAINAGE OUTLETS.

Construct Proposed Berm Ditch  
according to Detail 66 from  
-L- Sta. 137+50 RT to -L- Sta. 140+50 RT  
During the Clearing and Grubbing Phase

INSTALL INLET PROTECTION IN  
ACCORDANCE WITH ENGINEER'S  
RECOMMENDATIONS



74' x 37' x 3'  
1.5 inch Skimmer  
with 1.5 inch  
Orifice Diameter  
10 ft. weir  
ID 13.4



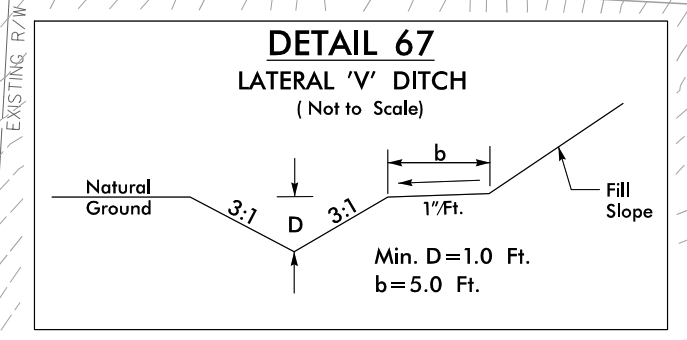
MATCHLINE -L- STA. 127+00.00 SEE PLAN SHEET EC-12

MATCHLINE -L- STA. 140+00.00 SEE PLAN SHEET EC-14

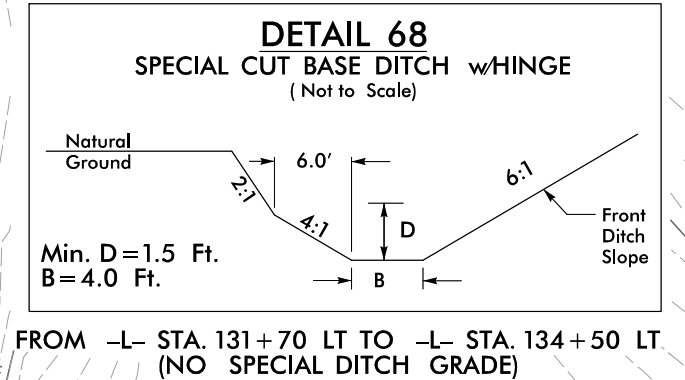
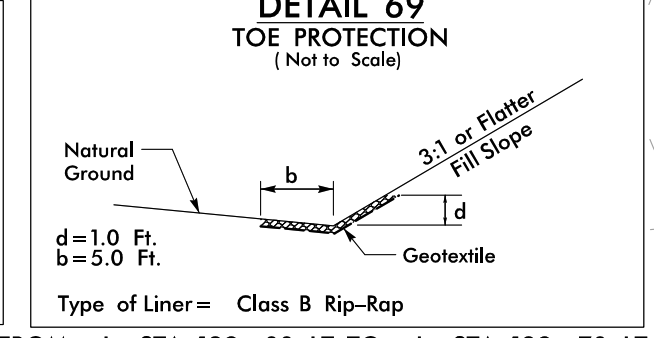
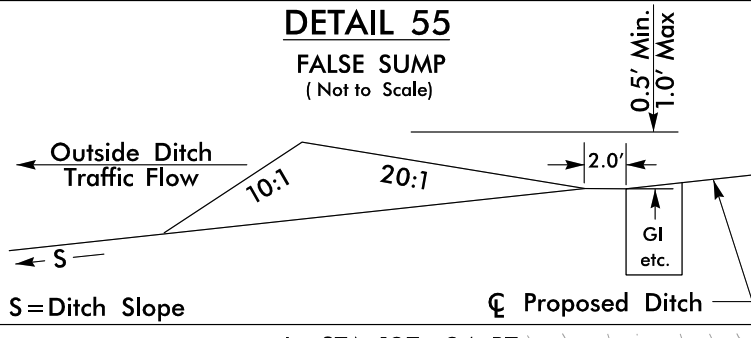
24' x 12' x 3'  
1.5 inch Skimmer  
with 0.375 inch  
Orifice Diameter  
4 ft. weir  
ID 13.1

45' x 16' x 2'  
1.5 inch Skimmer  
with 0.5 inch  
Orifice Diameter  
4 ft. weir  
ID 13.5

40' x 12' x 2'  
1.5 inch Skimmer  
with 0.50 inch  
Orifice Diameter  
4 ft. weir  
ID 13.6



64' x 32' x 3'  
1.5 inch Skimmer  
with 1.250 inch  
Orifice Diameter  
7 ft. weir  
ID 13.3



NOTE:  
PERIMETER EROSION CONTROL MEASURES SHALL BE  
INSTALLED DURING CLEARING AND GRUBBING PHASE.

INSTALL PIPE(S) IN JURISDICTIONAL AREAS WITHOUT IMPACTING STREAM UNTIL  
AREA STABILIZED AND ACCORDING TO NCDOT BEST MANAGEMENT  
PRACTICES FOR CONSTRUCTION AND MAINTENANCE ACTIVITIES MANUAL.

CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 13

FOR -L- PROFILE SEE SHEET 28  
FOR -Y100- PROFILE SEE SHEET 35  
FOR -Y11- PROFILE SEE SHEET 35

REVISIONS

DATE/TIME: 05/22/17 AM  
2016: P:\E\Region\Center\3825B\_rwl\_EC\_26103.dgn

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

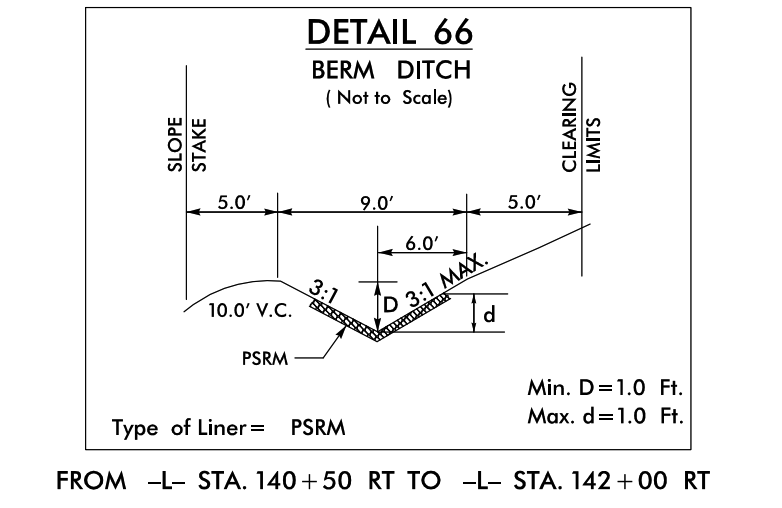
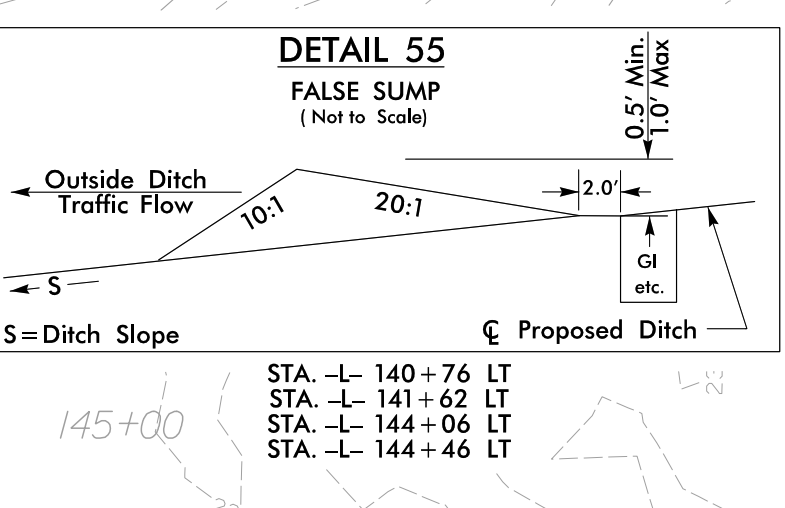
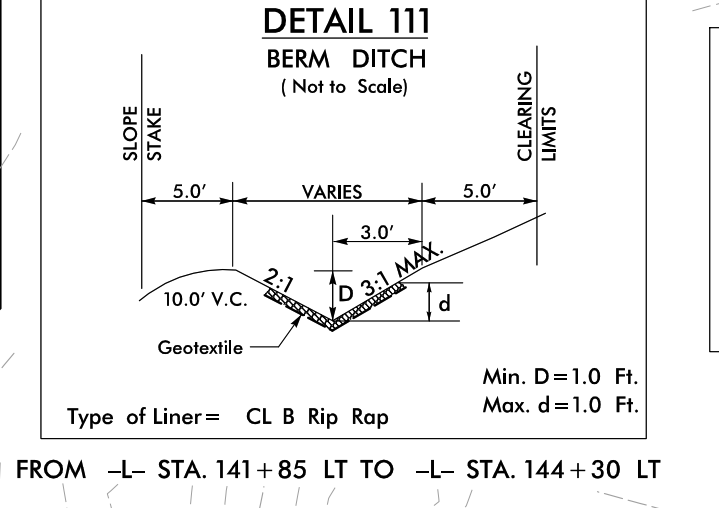
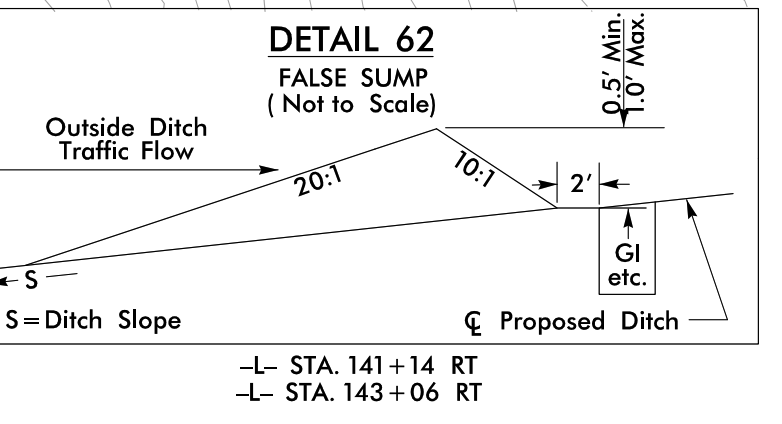
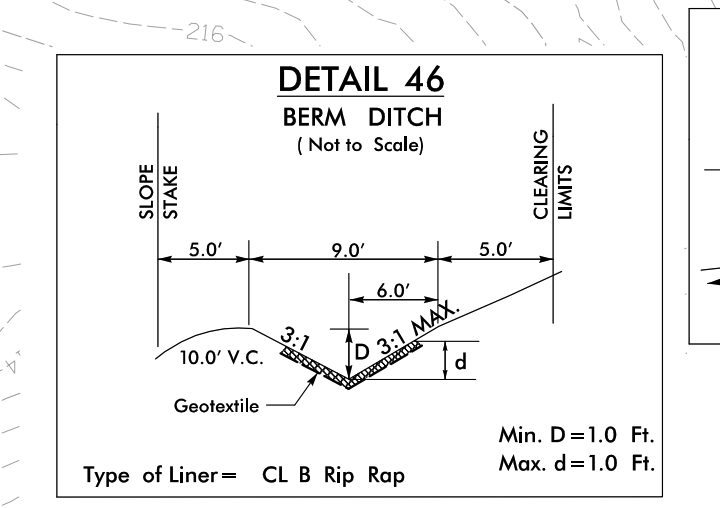
NOTE: PERIMETER EROSION CONTROL MEASURES SHALL BE INSTALLED DURING CLEARING AND GRUBBING PHASE.

INSTALL INLET PROTECTION IN ACCORDANCE WITH ENGINEER'S RECOMMENDATIONS

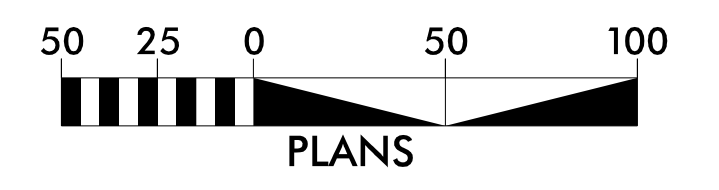
CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 14

Construct Proposed Berm Ditch according to Detail 111 from  
-L- Sta. 141+85 LT to -L- Sta. 144+30 LT  
During the Clearing and Grubbing Phase

Construct Proposed Berm Ditch according to Detail 66 from  
-L- Sta. 140+50 RT to -L- Sta. 141+28 RT  
-L- Sta. 141+28 RT to -L- Sta. 142+00 RT  
During the Clearing and Grubbing Phase

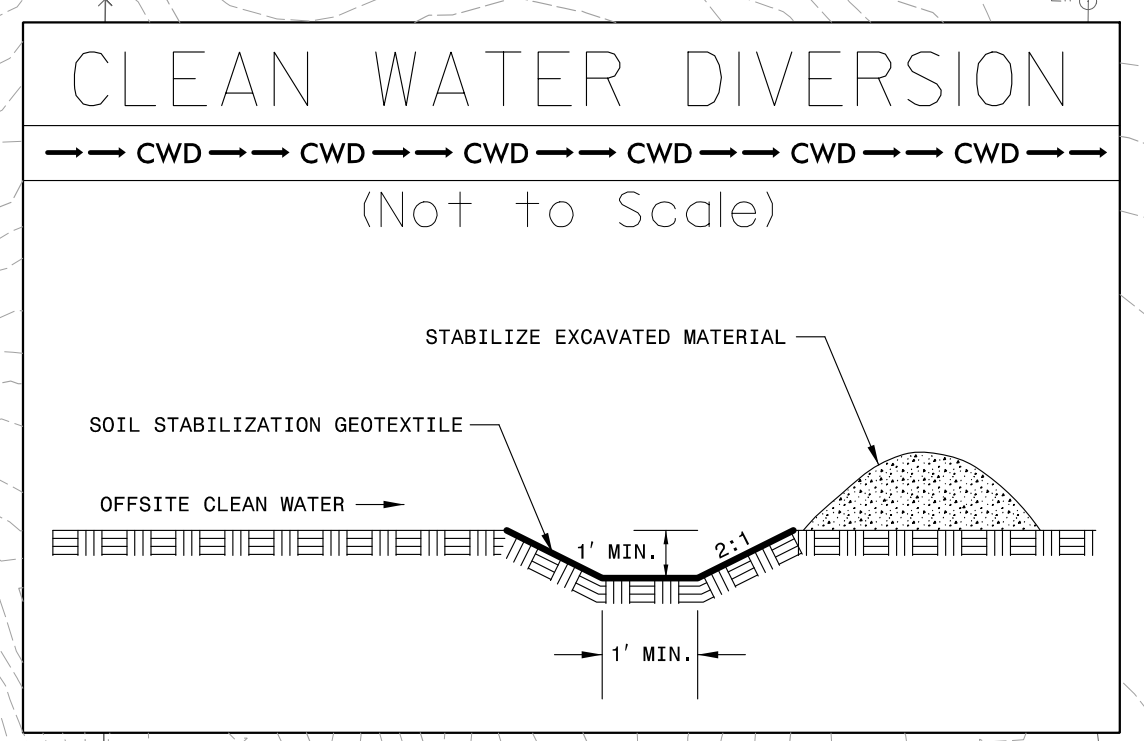
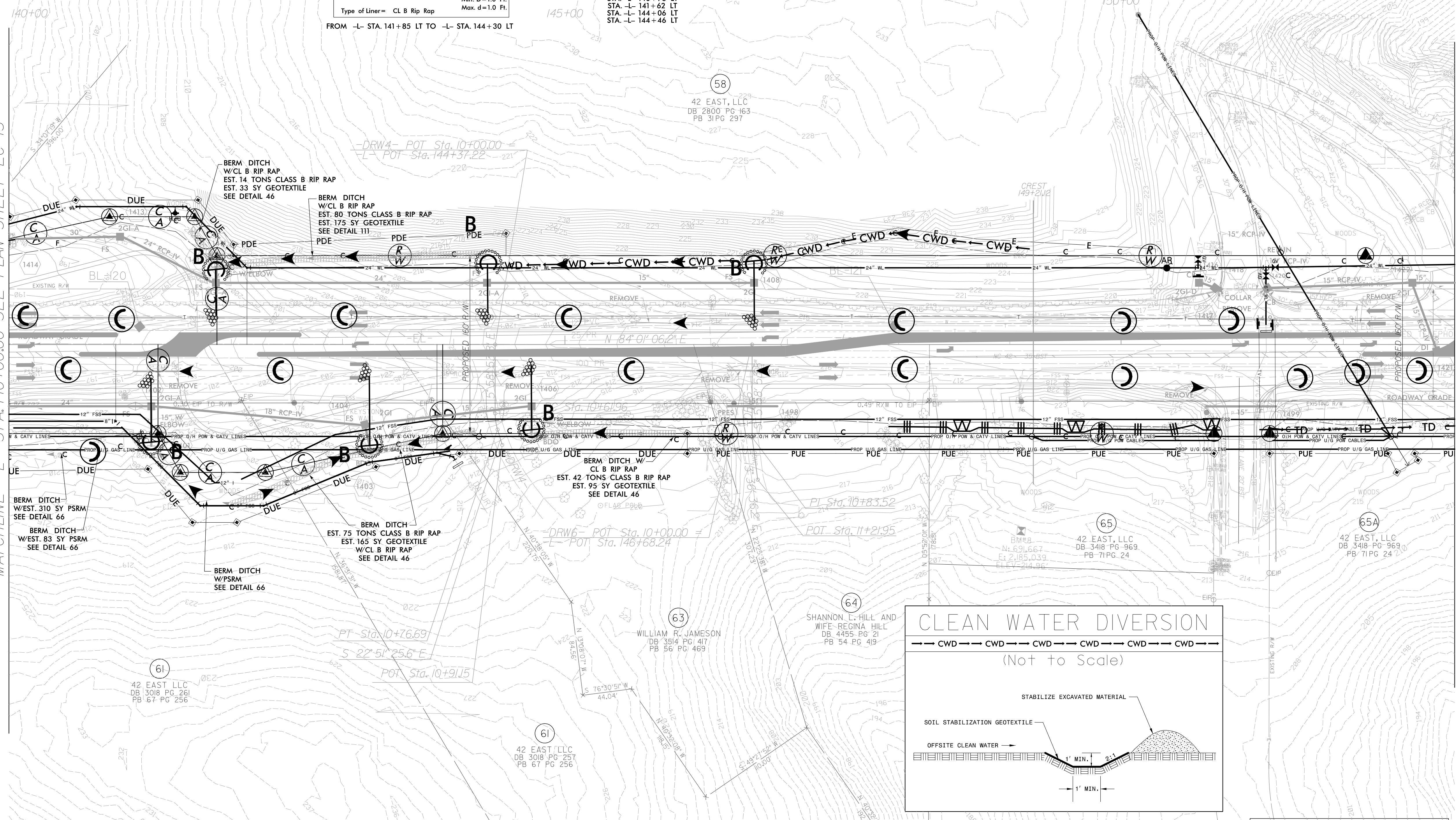


Construct Proposed Berm Ditch according to Detail 46 from  
-L- Sta. 141+60 LT to -L- Sta. 141+85 LT  
-L- Sta. 142+00 RT to -L- Sta. 143+25 RT  
-L- Sta. 143+25 RT to -L- Sta. 144+20 RT  
-L- Sta. 144+70 RT to -L- Sta. 146+00 RT  
During the Clearing and Grubbing Phase



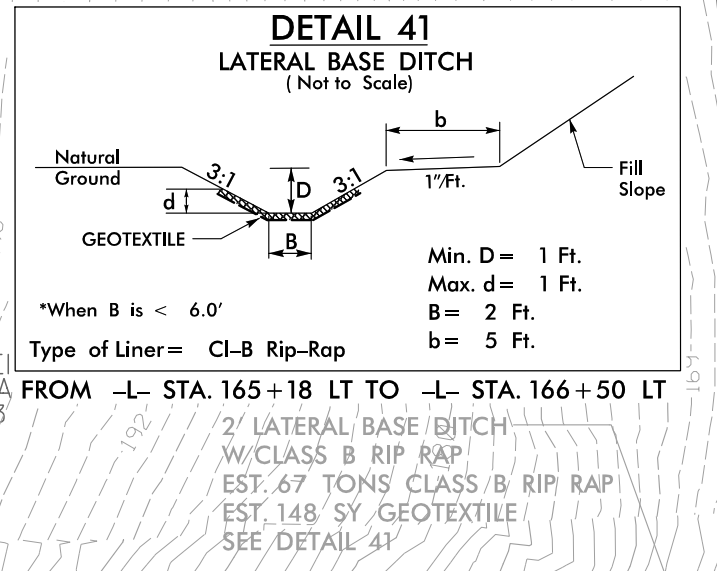
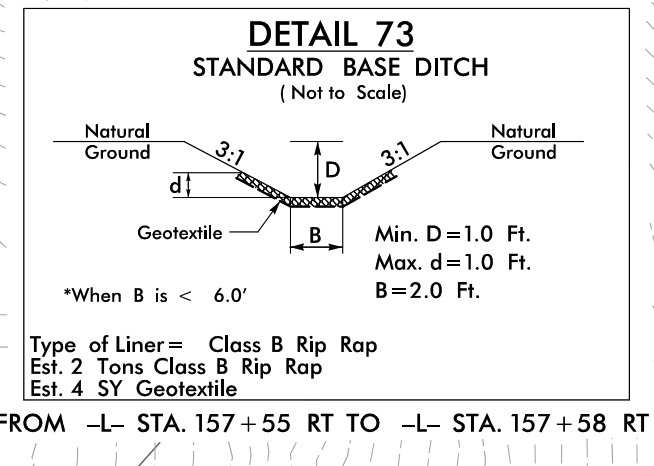
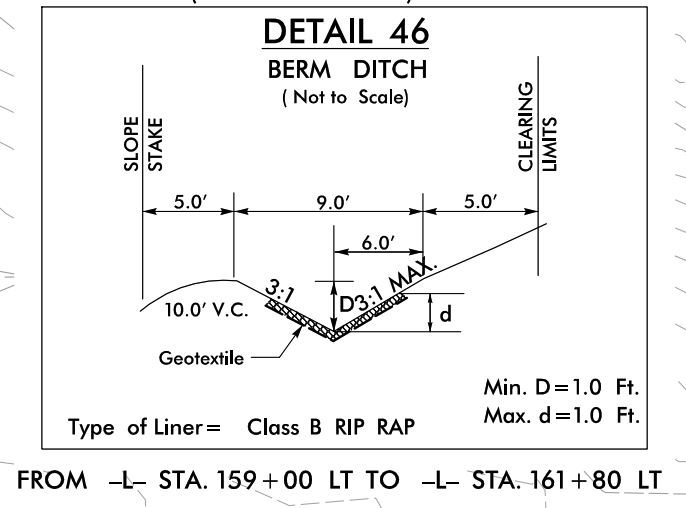
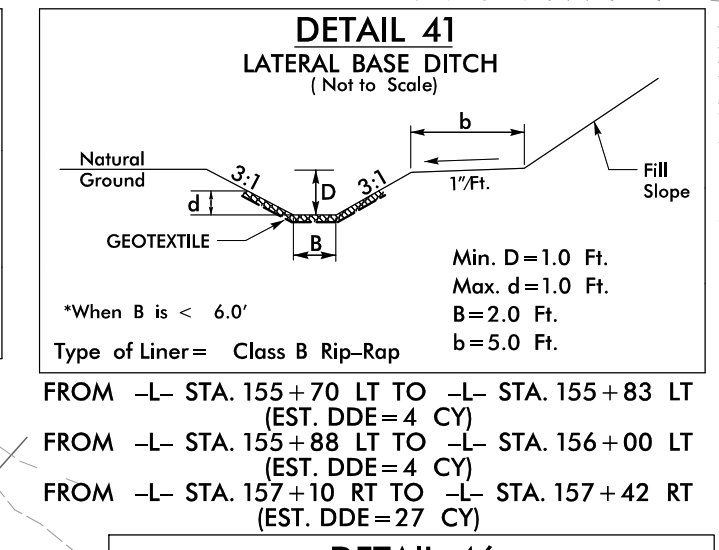
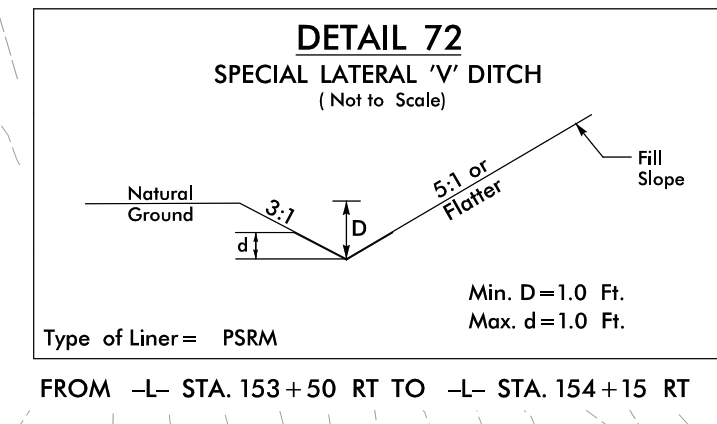
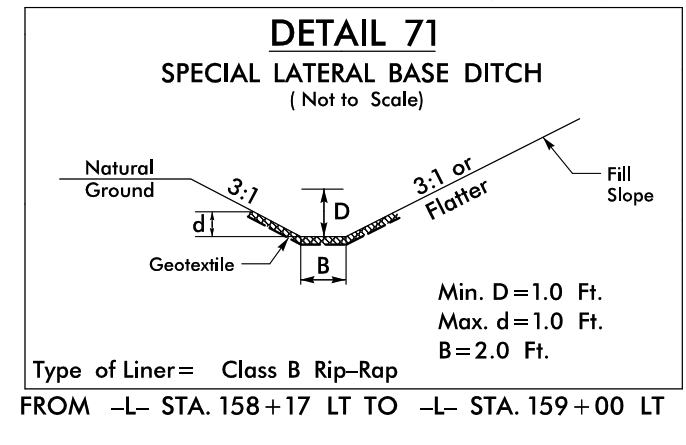
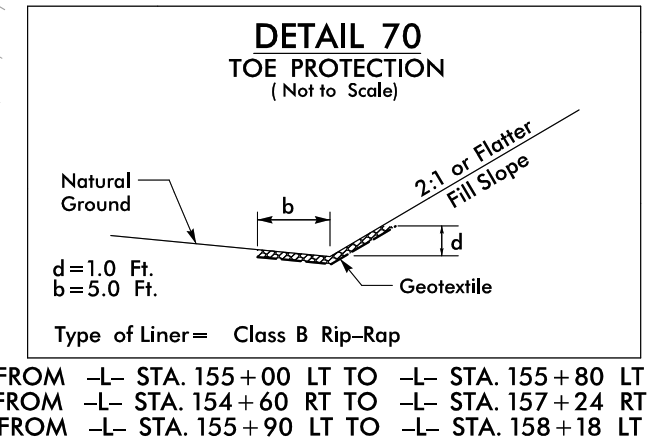
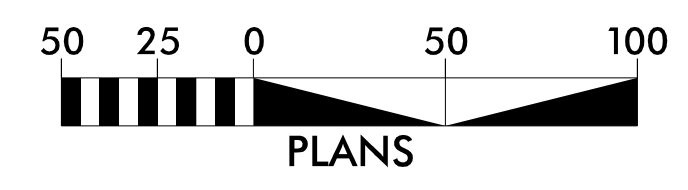
MATCHLINE -L- STA. 140+00.00 SEE PLAN SHEET EC-13

MATCHLINE -L- STA. 153+00.00 SEE PLAN SHEET EC-15



FOR -L- PROFILE SEE SHEET 29

REVISIONS



NOTE: PERIMETER EROSION CONTROL MEASURES SHALL BE INSTALLED DURING CLEARING AND GRUBBING PHASE.

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

Construct Proposed Berm Ditch according to Detail 46 from -L- Sta. 159+00 LT to -L- Sta. 161+80 LT During the Clearing and Grubbing Phase

INSTALL INLET PROTECTION IN ACCORDANCE WITH ENGINEER'S RECOMMENDATIONS

37' x 27' x 3'  
1.5 inch Skimmer  
with 0.875 inch Orifice Diameter  
4 ft. weir  
ID 15.4

54' x 27' x 3'  
1.5 inch Skimmer  
with 1.125 inch Orifice Diameter  
5 ft. weir  
ID 15.2

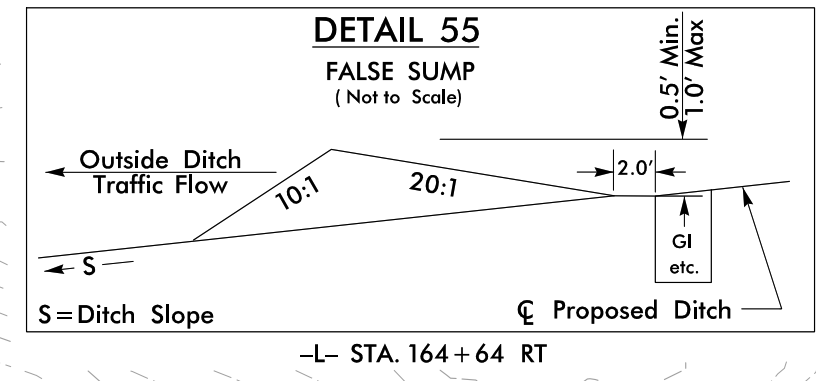
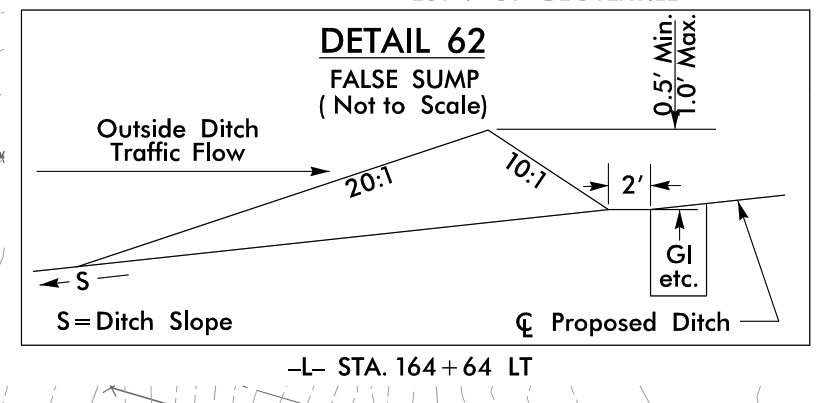
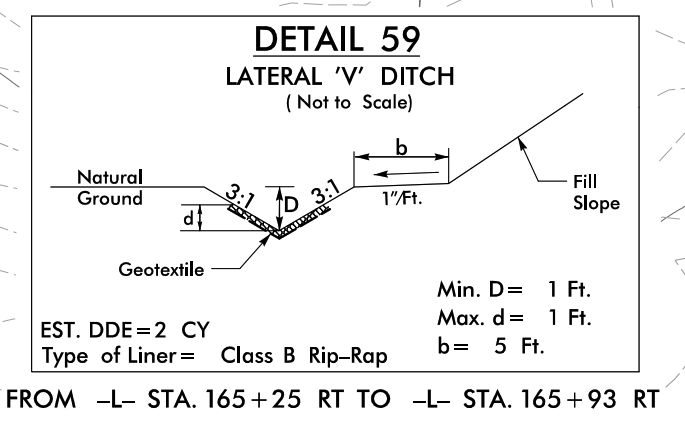
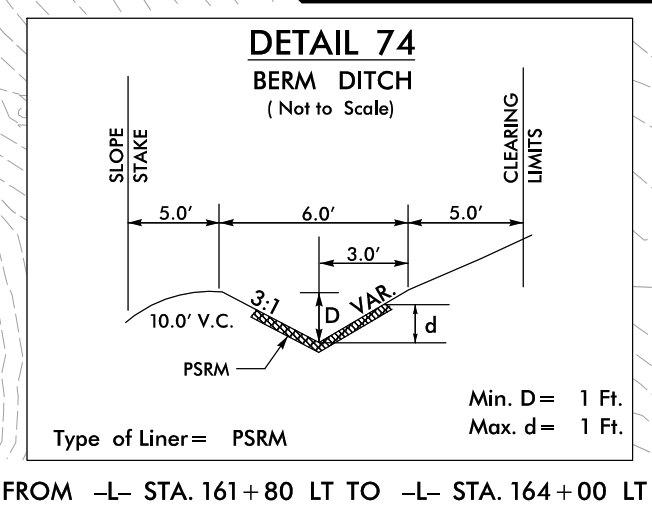
32' x 16' x 3'  
1.5 inch Skimmer  
with 0.50 inch Orifice Diameter  
4 ft. weir  
ID 15.3

54' x 27' x 3'  
1.5 inch Skimmer  
with 1.125 inch Orifice Diameter  
5 ft. weir  
ID 15.1

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 15

INSTALL PIPE(S) IN JURISDICTIONAL AREAS WITHOUT IMPACTING STREAM UNTIL AREA STABILIZED AND ACCORDING TO NCDOT BEST MANAGEMENT PRACTICES FOR CONSTRUCTION AND MAINTENANCE ACTIVITIES MANUAL.

Construct Proposed Berm Ditch according to Detail 74 from -L- Sta. 161+80 LT to -L- Sta. 164+00 LT During the Clearing and Grubbing Phase



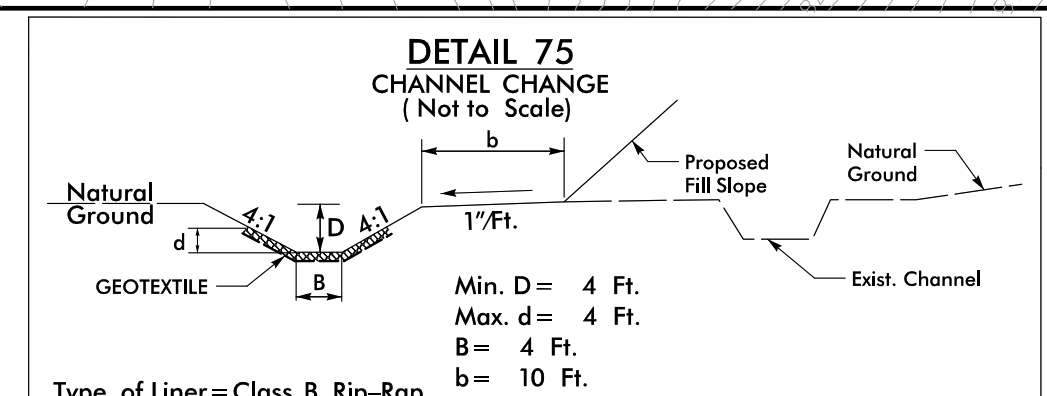
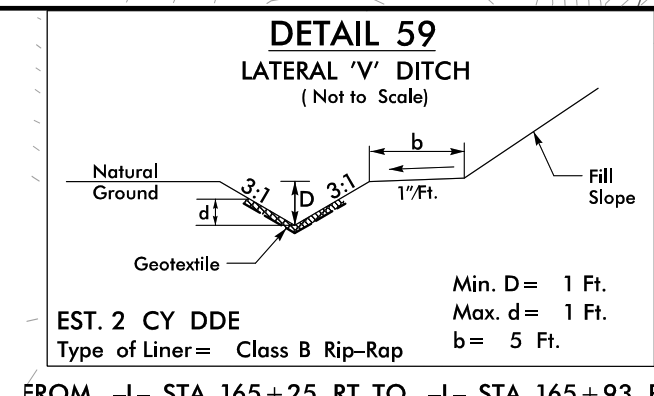
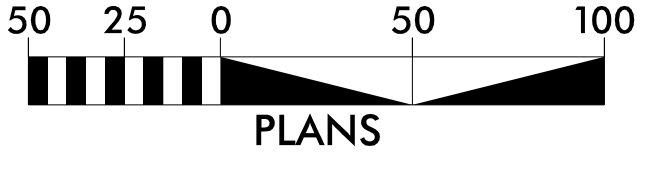
FOR -L- PROFILE SEE SHEET 29  
FOR -DRI- PROFILE SEE SHEET 37

REVISIONS

MATCHLINE -L- STA. 153+00.00 SEE PLAN SHEET EC-14

MATCHLINE -L- STA. 166+00.00 SEE PLAN SHEET EC-16

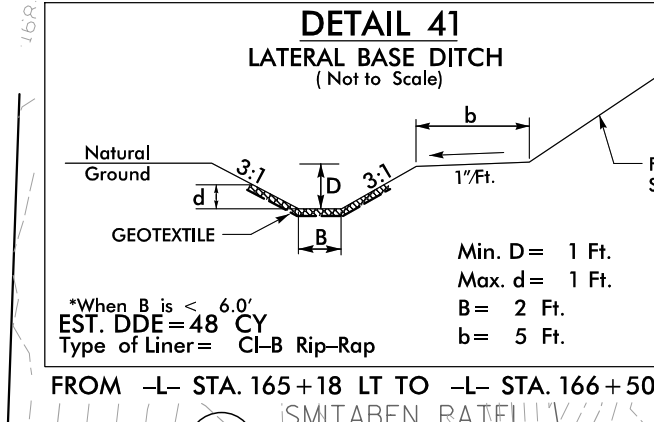




**NOTE:**  
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

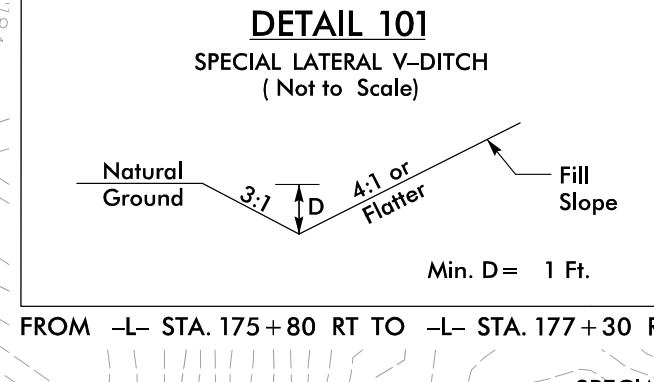
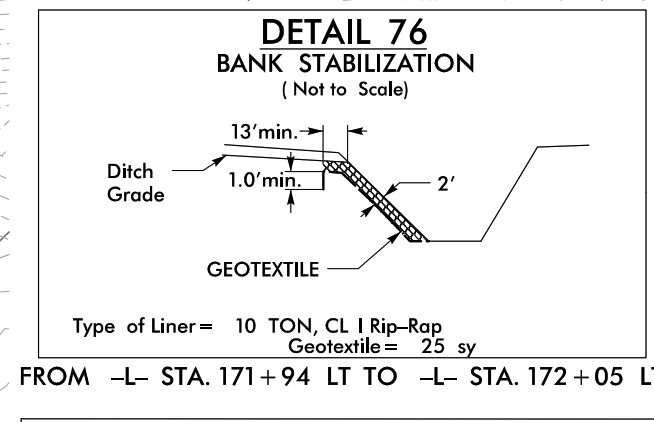
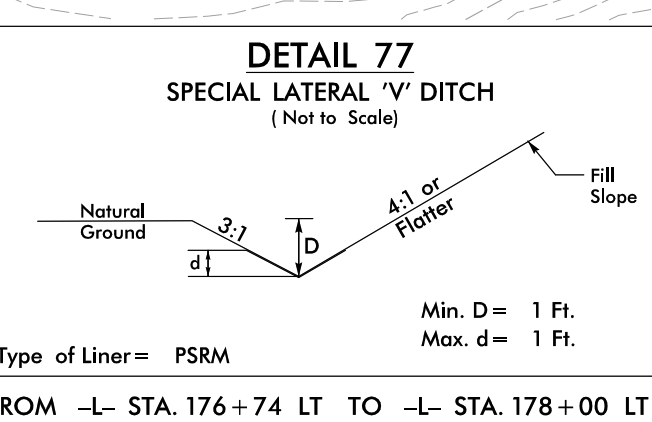
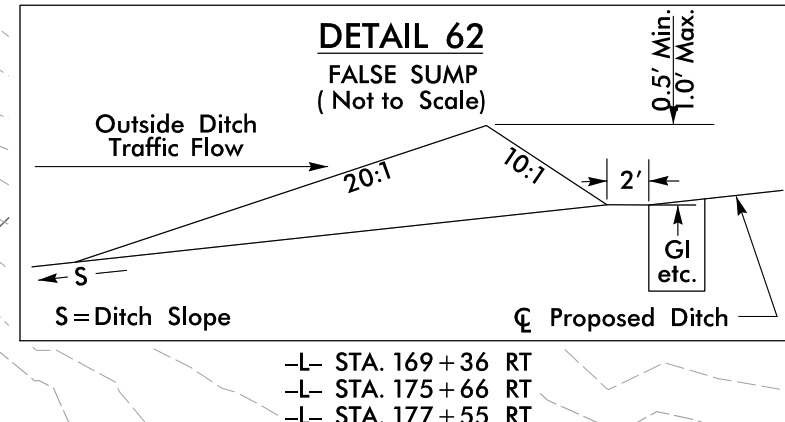
**NOTE:**  
PERIMETER EROSION CONTROL MEASURES SHALL BE INSTALLED DURING CLEARING AND GRUBBING PHASE.

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



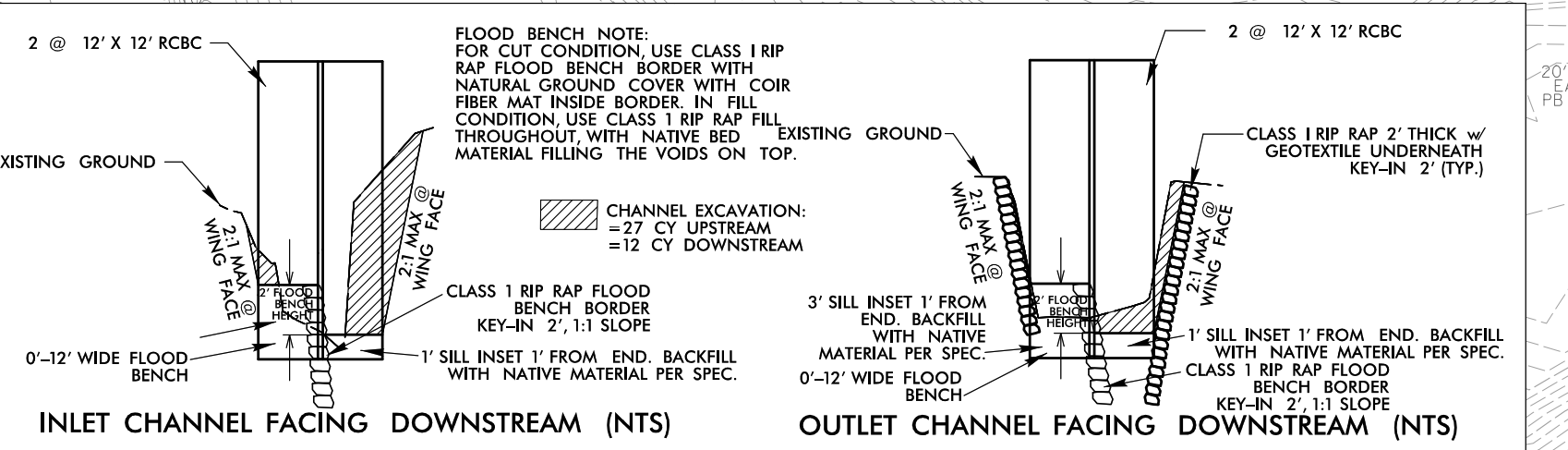
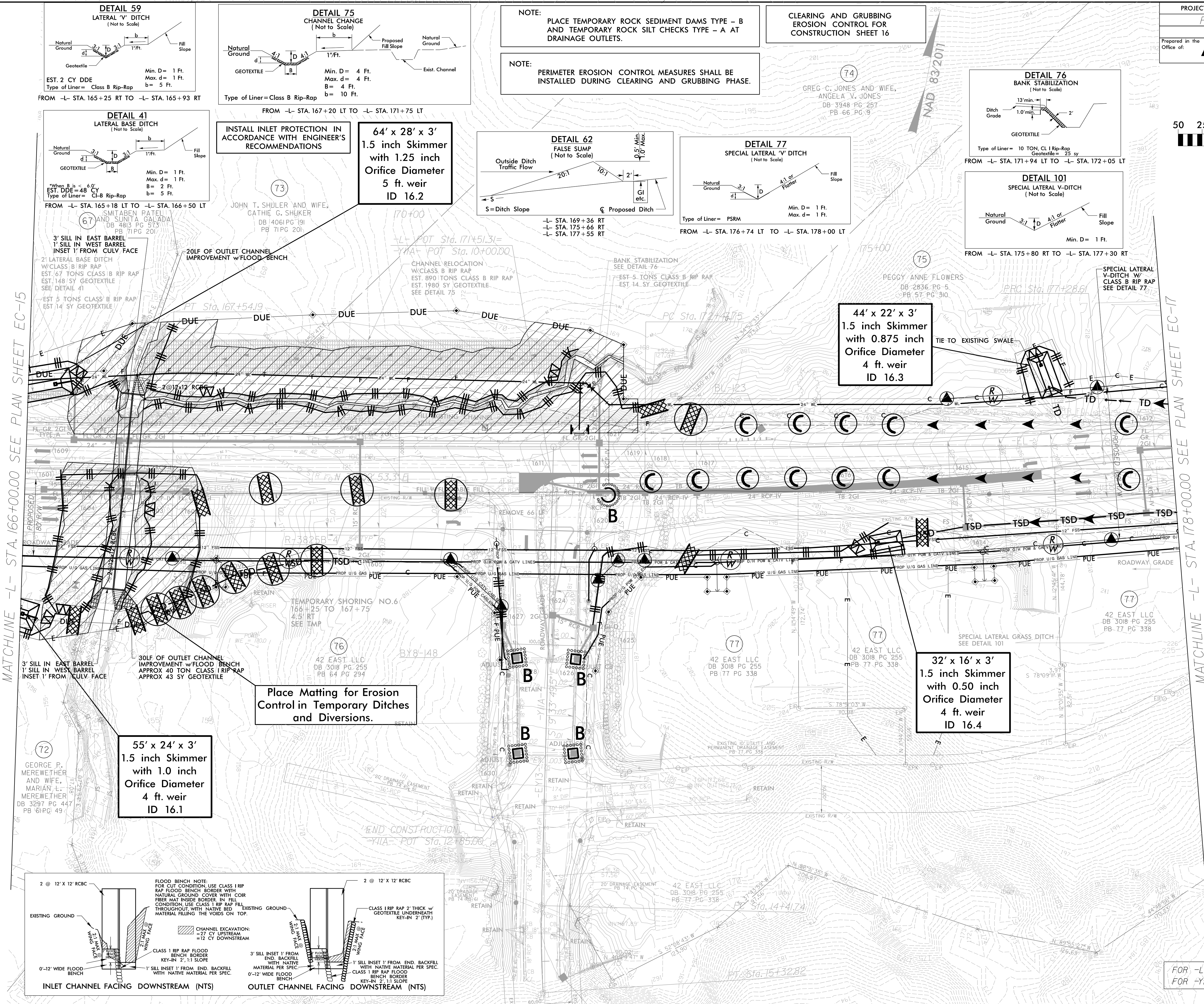
**INSTALL INLET PROTECTION IN ACCORDANCE WITH ENGINEER'S RECOMMENDATIONS**

**64' x 28' x 3' 1.5 inch Skimmer with 1.25 inch Orifice Diameter 5 ft. weir ID 16.2**

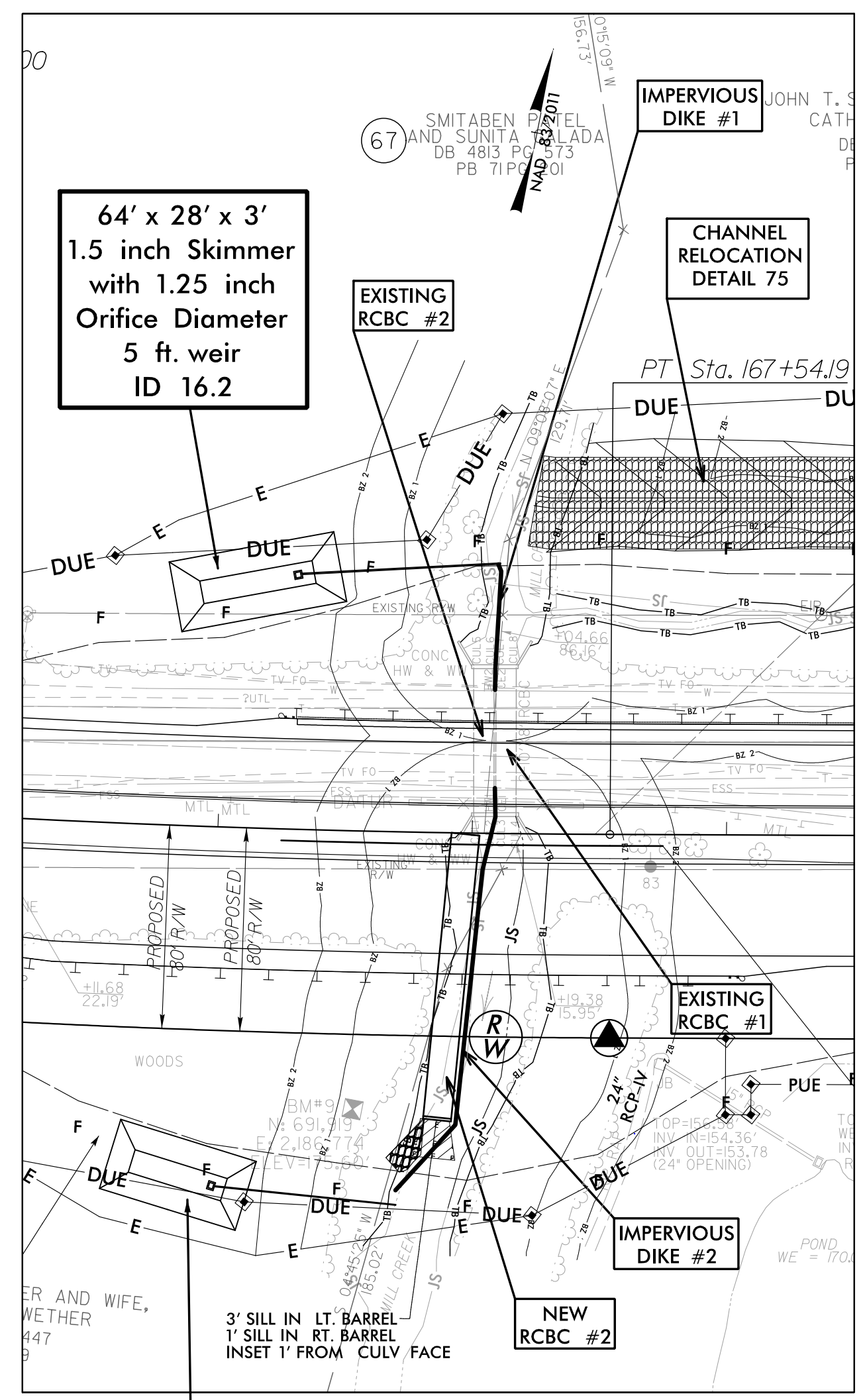
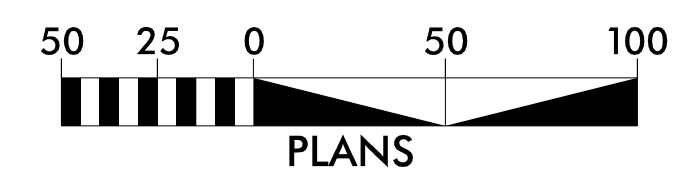


MATCHLINE -L- STA. 166+00.00 SEE PLAN SHEET EC-15

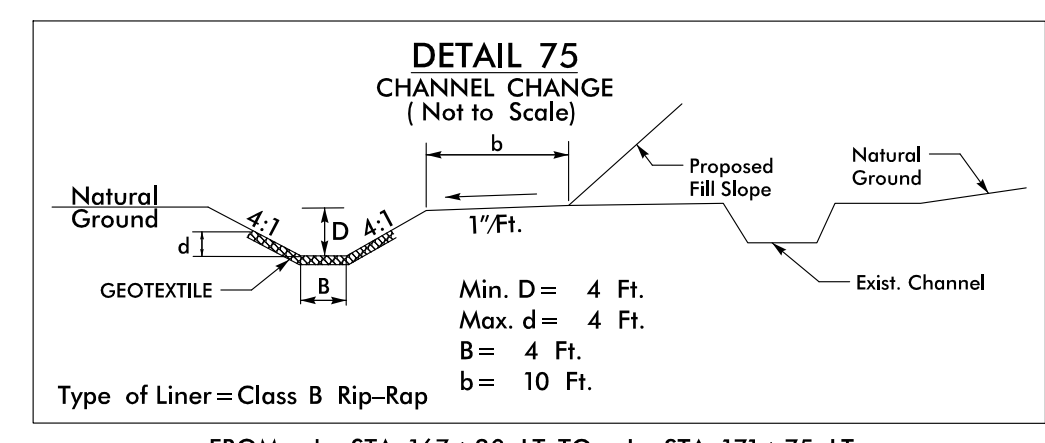
MATCHLINE -L- STA. 178+00.00 SEE PLAN SHEET EC-17



FOR -L- PROFILE SEE SHEET 30  
FOR -YIA- PROFILE SEE SHEET 35

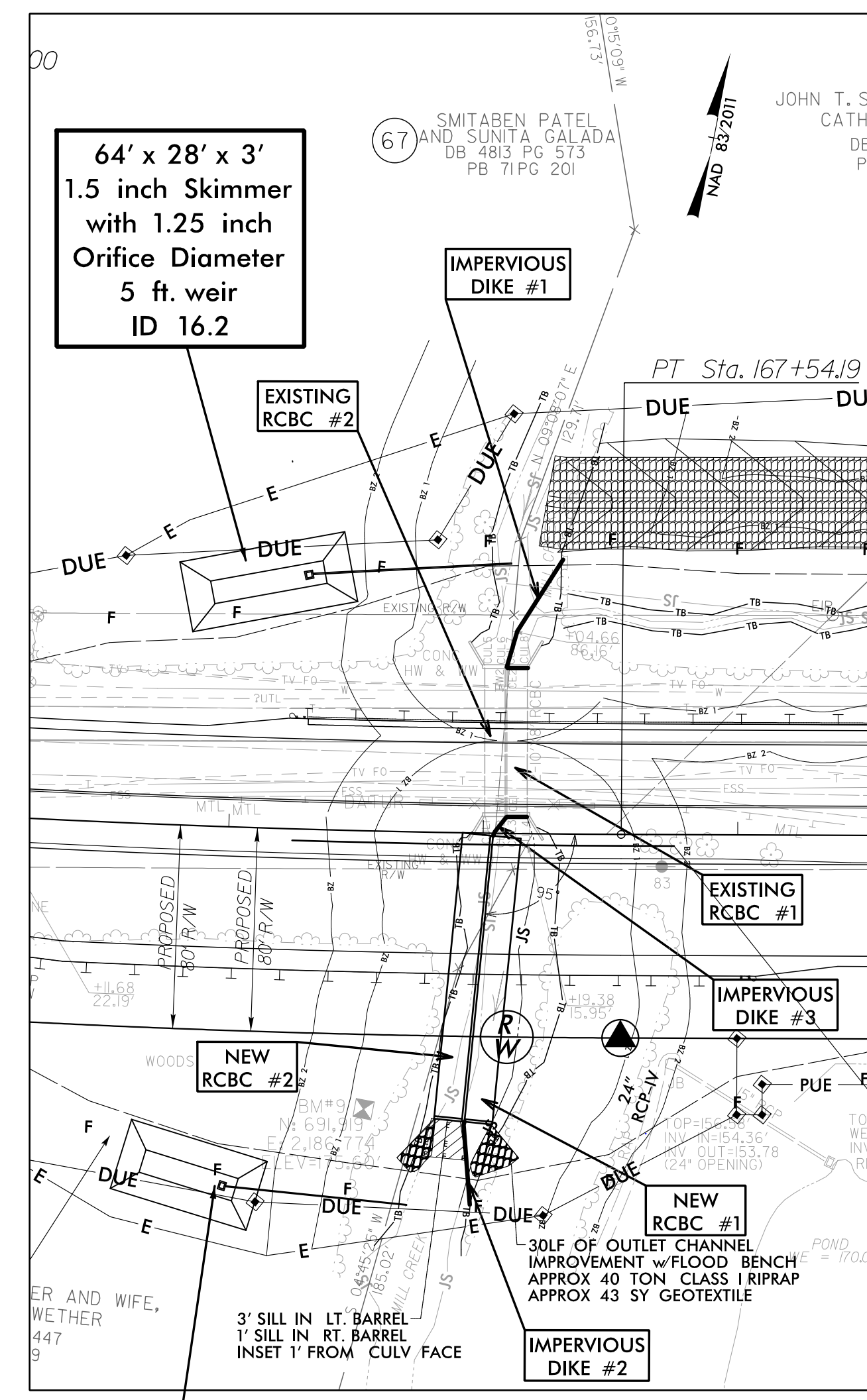


55' x 24' x 3'  
1.5 inch Skimmer  
with 1.0 inch  
Orifice Diameter  
4 ft. weir  
ID 16.1



### CULVERT CONSTRUCTION SEQUENCE STA. 167+03 -L- PHASE I

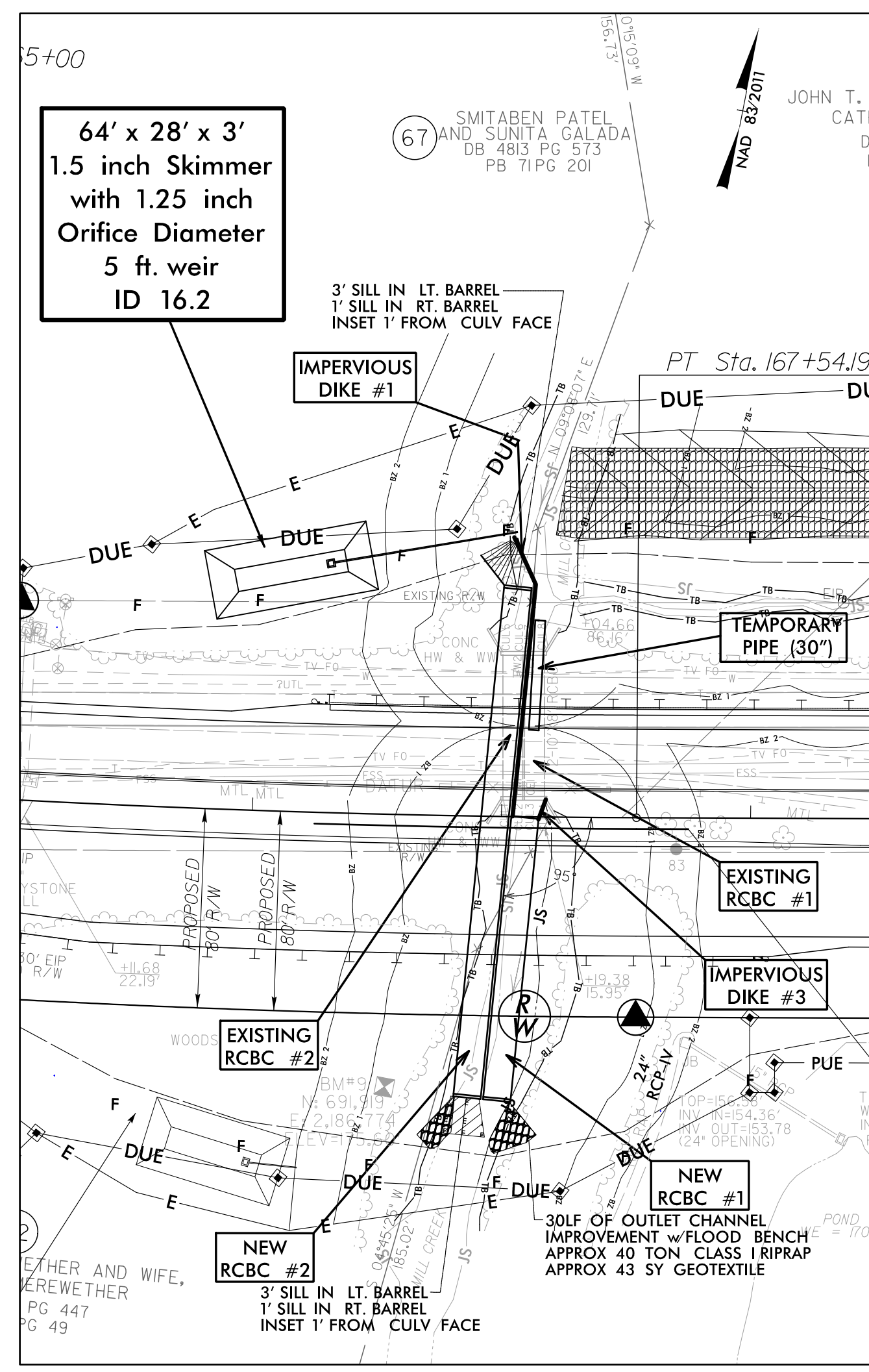
1. CONSTRUCT CHANNEL RELOCATION AND STABILIZE. SEE DETAIL 75.
2. DIVERT FLOW INTO THE RELOCATED CHANNEL AFTER IT IS STABILIZED.
3. CONSTRUCT SKIMMER BASINS, ID #16.1 AND ID #16.2
4. INSTALL IMPERVIOUS DIKES # 1 AND # 2 AND DIRECT FLOW INTO EXISTING RCBC #1.
5. CONSTRUCT THE DOWNSTREAM SECTION OF PROPOSED RCBC #2 (APPROXIMATELY 114') AND WHILE PUMPING EFFLUENT INTO THE SKIMMER BASIN ID 16.1.
6. CONSTRUCT RIP RAP OUTLET AND STABILIZE.



55' x 24' x 3'  
1.5 inch Skimmer  
with 1.0 inch  
Orifice Diameter  
4 ft. weir  
ID 16.1

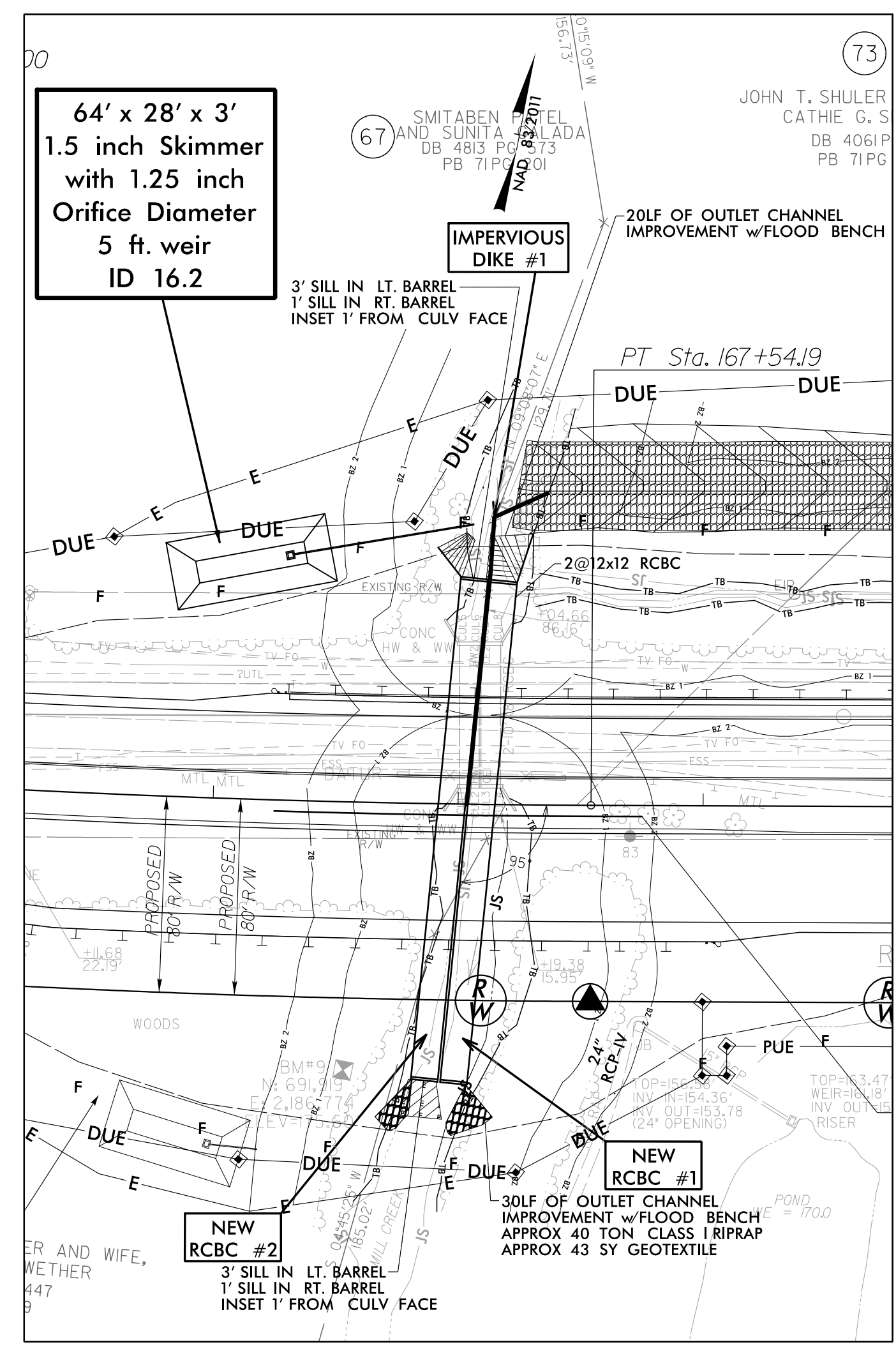
### CULVERT CONSTRUCTION SEQUENCE STA. 167+03 -L- PHASE II

1. MODIFY IMPERVIOUS DIKES # 1 AND # 2.
2. CONSTRUCT IMPERVIOUS DIKE #3 AND DIRECT FLOW INTO EXISTING RCBC #2 AND NEWLY CONSTRUCTED SECTION OF RCBC #2.
3. CONSTRUCT THE DOWNSTREAM SECTION OF PROPOSED RCBC #1 (APPROXIMATELY 114') AND WHILE PUMPING EFFLUENT INTO SKIMMER BASIN ID 16.1
4. CONSTRUCT THE REMAINING SECTION OF RIP RAP OUTLET AND STABILIZE.



### CULVERT CONSTRUCTION SEQUENCE STA. 167+03 -L- PHASE III

1. SHIFT TRAFFIC OVER THE CONSTRUCTED SECTION OF THE RCBC.
2. INSTALL TEMPORARY PIPE.
3. REMOVE IMPERVIOUS DIKE #2 AND MODIFY IMPERVIOUS DIKES # 1 AND #3 TO DIVERT FLOW FROM EXISTING RCBC #1 INTO THE CONSTRUCTED SECTION OF RCBC #1.
4. REMOVE EXISTING RCBC #2 AND APPROXIMATELY 30 LF OF THE UPSTREAM SECTION OF EXISTING RCBC #1
5. WHILE PUMPING EFFLUENT INTO SKIMMER BASIN ID 16.2, CONSTRUCT THE UPSTREAM SECTION OF RCBC # 2, AND STABILIZE.



### CULVERT CONSTRUCTION SEQUENCE STA. 167+03 -L- PHASE IV

1. REMOVE IMPERVIOUS DIKE #3.
2. MODIFY IMPERVIOUS DIKE # 1 AND DIVERT FLOW INTO RCBC #2.
3. WHILE PUMPING EFFLUENT INTO SKIMMER BASIN ID 16.2, CONSTRUCT THE UPSTREAM SECTION OF RCBC # 1, THE REMAINING RIP RAP INLET AND STABILIZE.
4. REMOVE IMPERVIOUS DIKES.
5. STABILIZE ALL DISTURBED AREAS.
6. COMPLETE ROADWAY.

REVISIONS

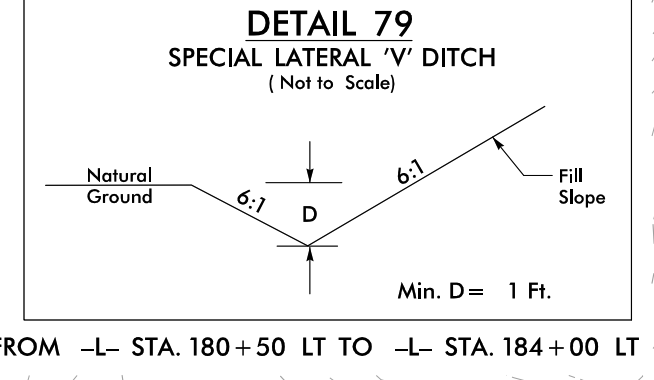
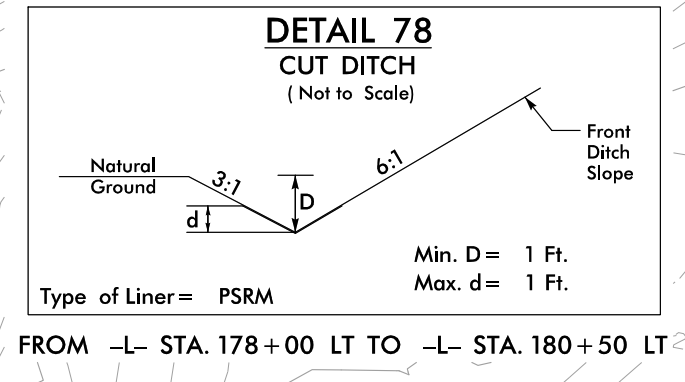
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2016: P:\Erosion Control\03825B\_rwl\_EC\_16A\6a.dgn

NOTE: PERIMETER EROSION CONTROL MEASURES SHALL BE INSTALLED DURING CLEARING AND GRUBBING PHASE.

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

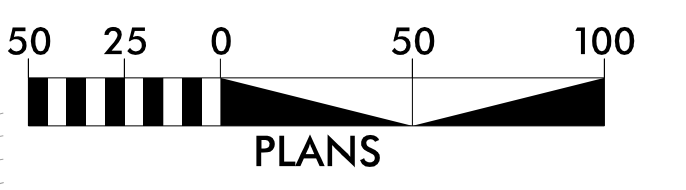
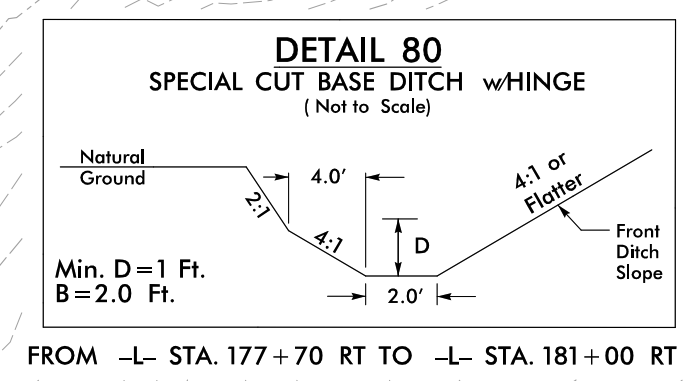
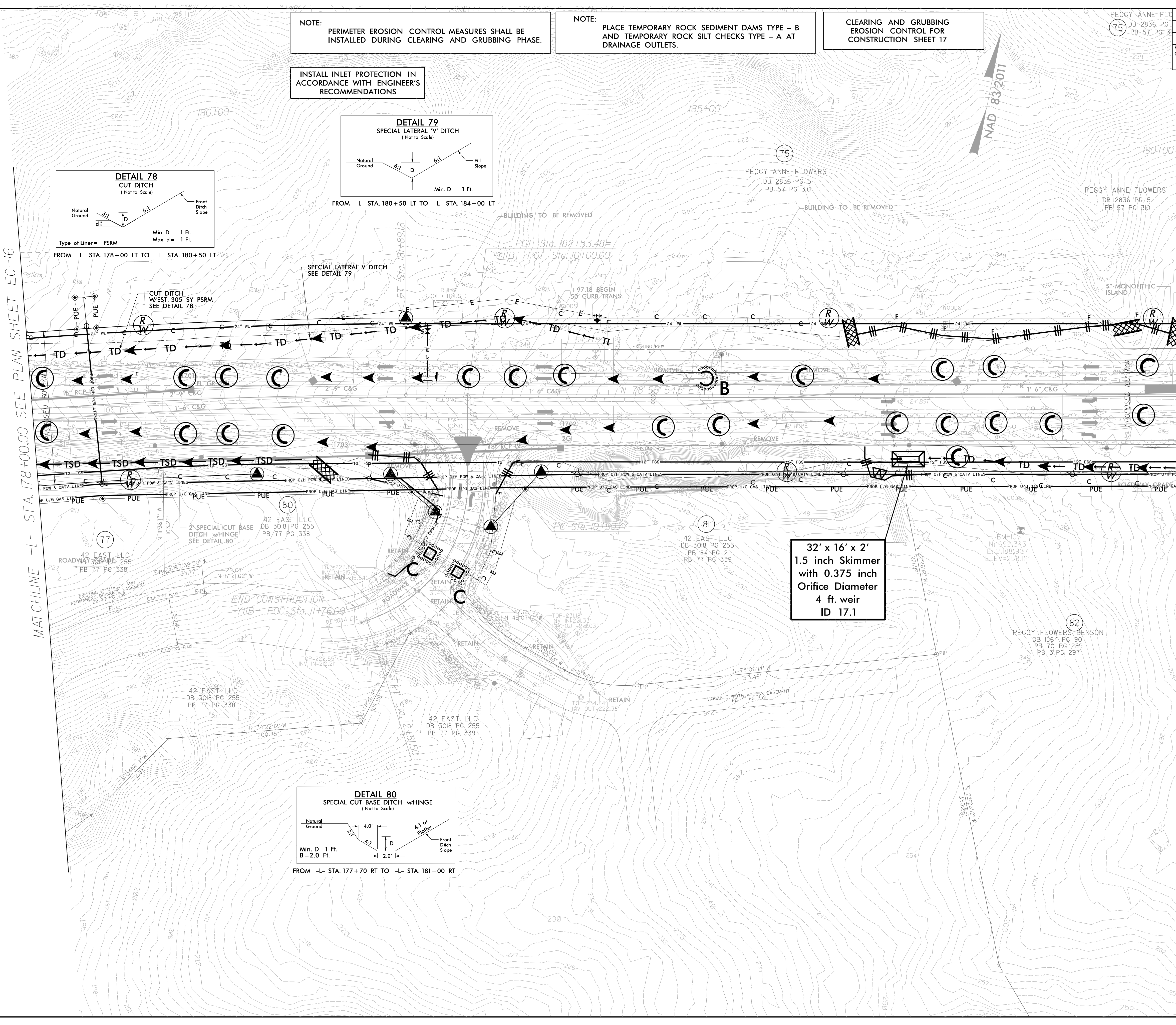
INSTALL INLET PROTECTION IN ACCORDANCE WITH ENGINEER'S RECOMMENDATIONS



SPECIAL LATERAL V-DITCH SEE DETAIL 79

MATCHLINE -L- STA. 178+00.00 SEE PLAN SHEET EC-16

MATCHLINE -L- STA. 190+00.00 SEE PLAN SHEET EC-18



REVISIONS

DATE/TIME: 9/23/23 AM  
2016: File: Erosion Control/3825B\_rwl\_EC\_17/17.dgn

FOR -L- PROFILE SEE SHEET 30  
FOR -YIIB- PROFILE SEE SHEET 35