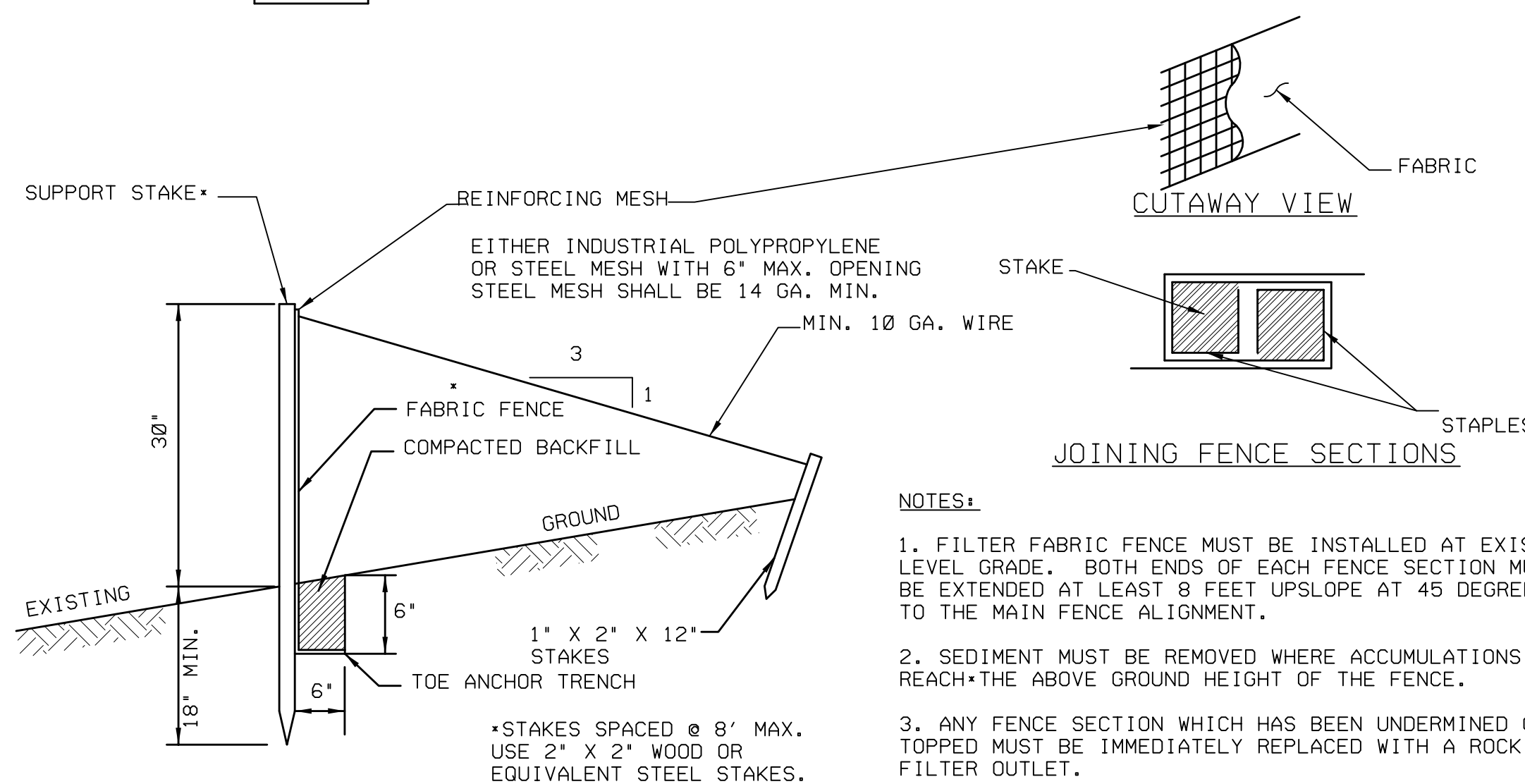
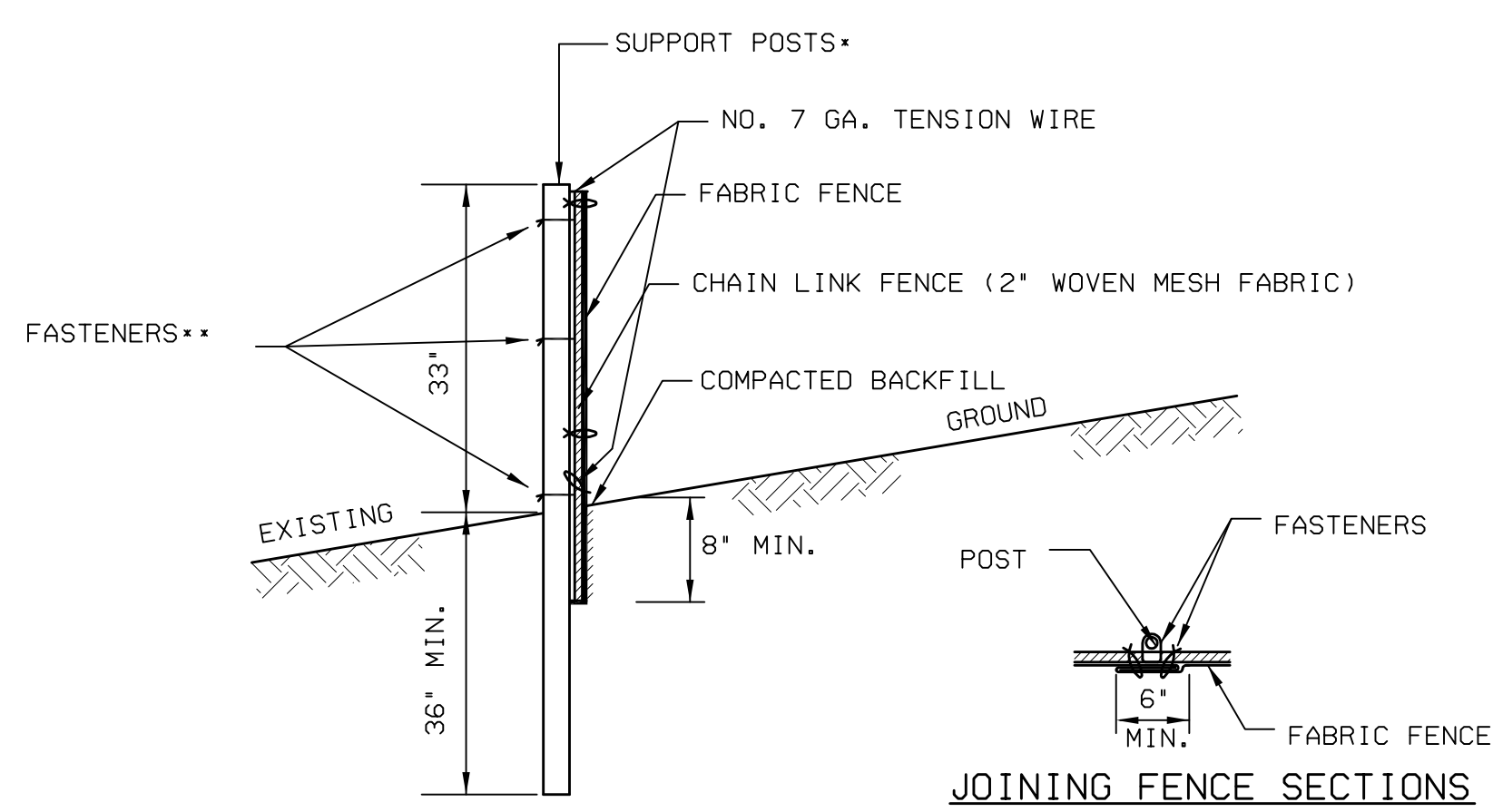


1. SILT BARRIER FENCE MUST BE PLACED AT LEVEL EXISTING GRADE. BOTH ENDS OF THE BARRIER MUST BE EXTENDED AT LEAST 8 FEET UP SLOPE AT 45 DEGREES TO THE MAIN BARRIER ALIGNMENT.
2. SEDIMENT MUST BE REMOVED WHEN ACCUMULATIONS REACH 1/2 THE ABOVE GROUND HEIGHT OF THE FENCE.
3. ANY SECTION OF SILT BARRIER FENCE WHICH HAS BEEN UNDERMINED OR TOPPED MUST BE IMMEDIATELY REPLACED WITH A ROCK FILTER OUTLET.

1 18" SILT BARRIER FENCE DETAIL
NO SCALE

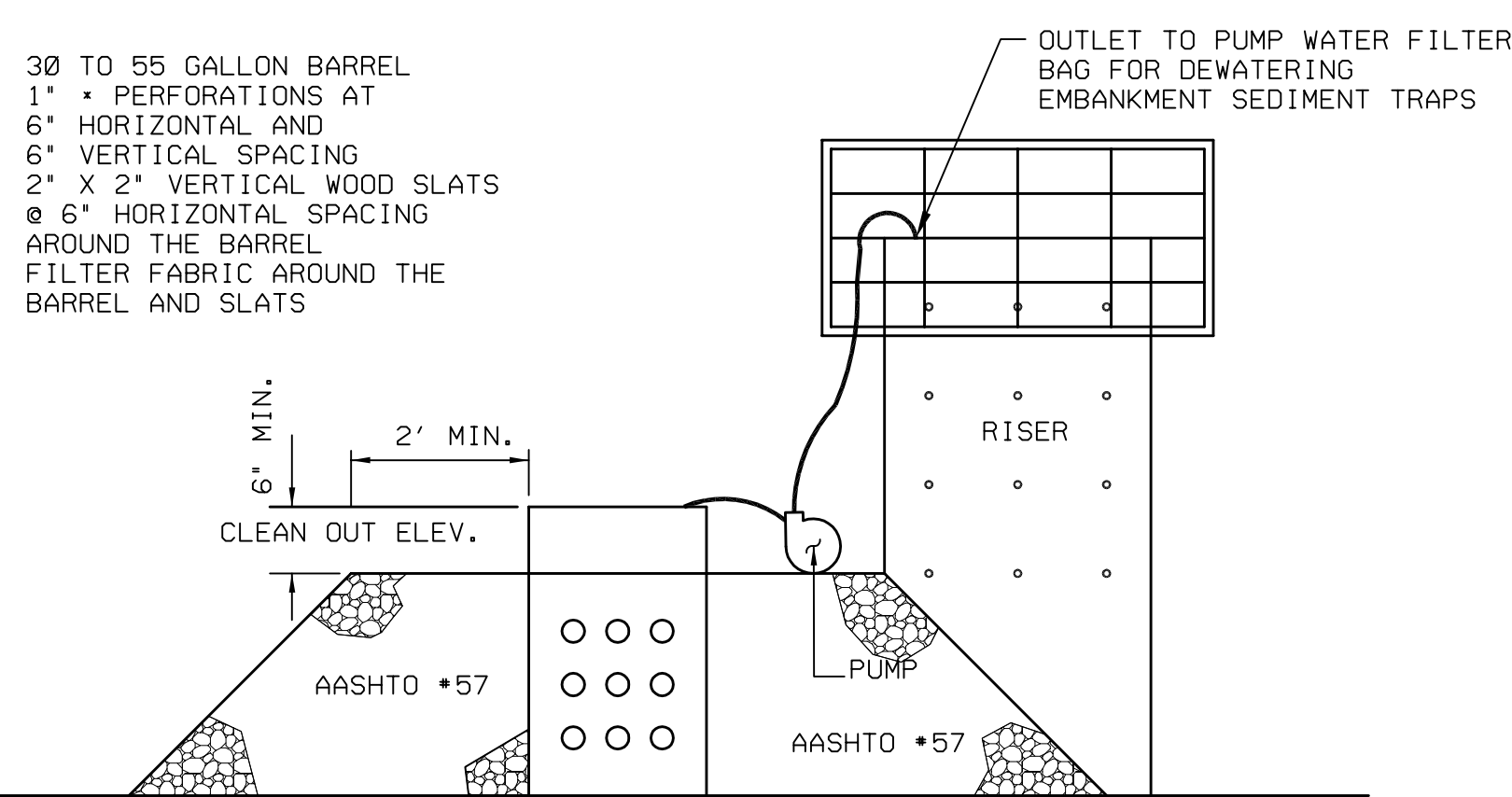


2 30" SILT BARRIER FENCE DETAIL
NO SCALE

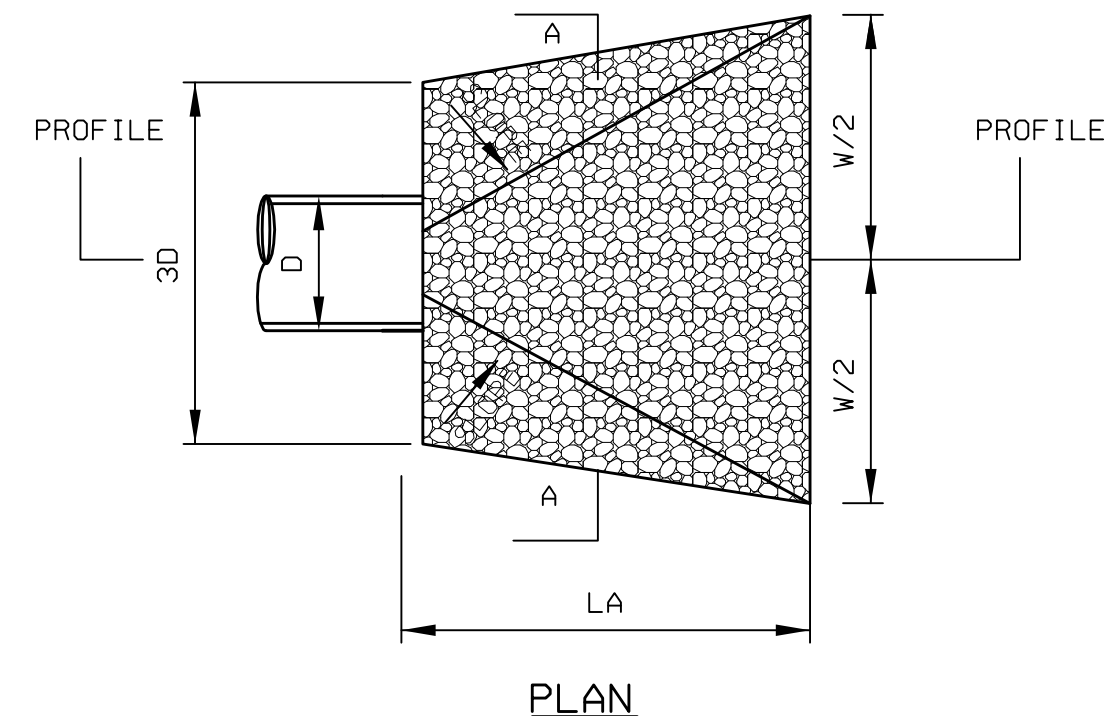


- POSTS SPACED @ 10' MAX. USE 2 1/2" DIA. GALVANIZED OR ALUMINUM POSTS.
 - CHAIN LINK TO POST FASTENERS SPACED @ 14" MAX. USE NO. 6 GA. ALUMINUM WIRE OR NO. 9 GALVANIZED STEEL PRE-FORMED CLIPS. CHAIN LINK TO TENSION WIRE FASTENERS SPACED @ 60" MAX. USE NO. 10 GA. GALVANIZED STEEL WIRE. FABRIC TO CHAIN FASTENERS SPACED @ 24" MAX. C TO C. NO. 7 GA. TENSION WIRE INSTALLED HORIZONTALLY AT TOP AND BOTTOM OF CHAIN-LINK FENCE.
- FILTER FABRIC FENCE MUST BE PLACED AT EXISTING LEVEL GRADE. BOTH ENDS OF THE BARRIER MUST BE EXTENDED AT LEAST 8 FEET UPSLOPE AT 45 DEGREES TO THE MAIN BARRIER ALIGNMENT.
- SEDIMENT MUST BE REMOVED WHEN ACCUMULATIONS REACH 1/2 THE ABOVE GROUND HEIGHT OF THE FENCE.

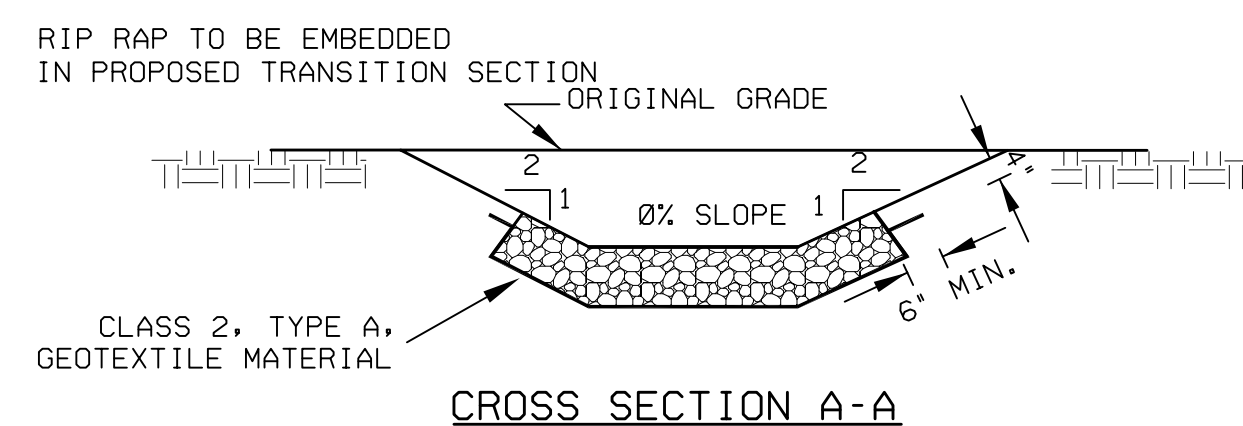
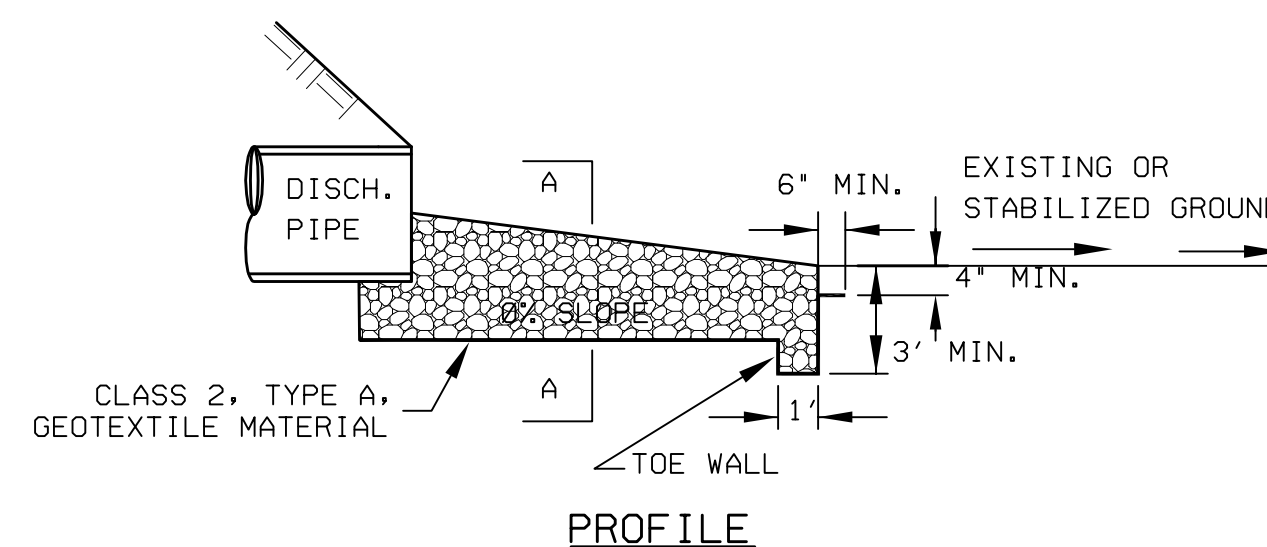
3 SUPER FILTER FABRIC FENCE DETAIL
NO SCALE



4 SEDIMENT BASIN/TRAP DEWATERING FACILITY
NO SCALE



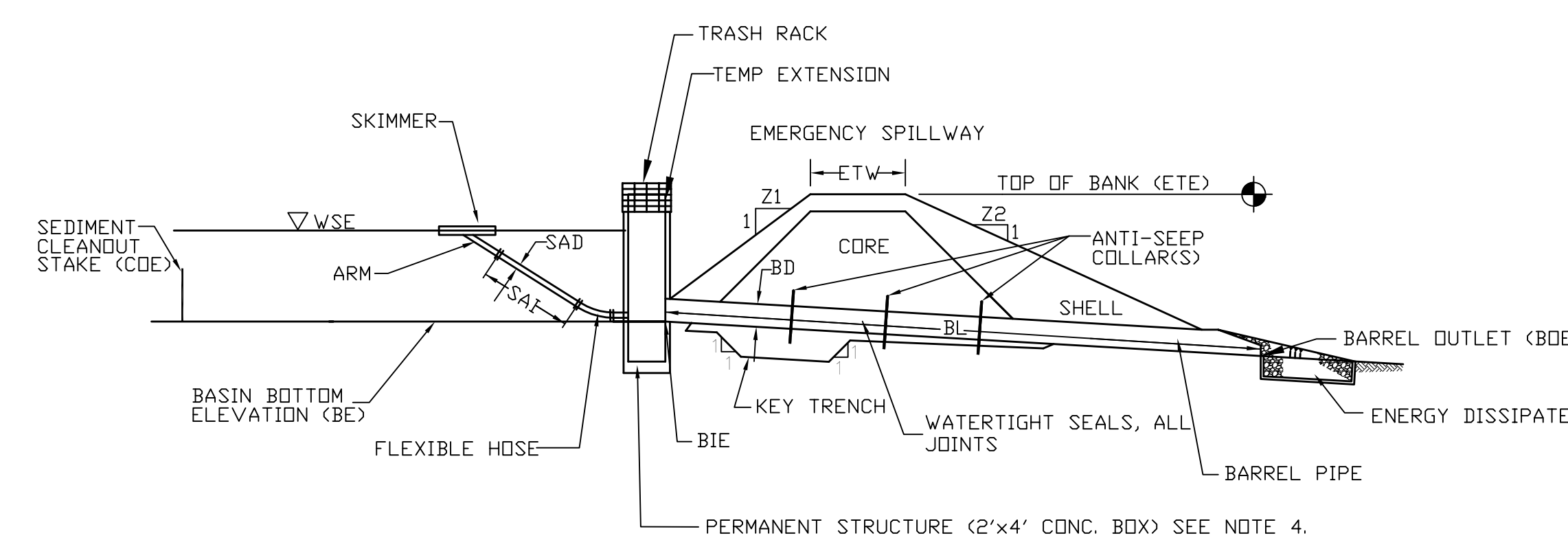
NOTE: D = PIPE DIAM. OR SWALE BOTTOM WIDTH



5 ROCK OUTLET PROTECTION DETAIL
NO SCALE

OUTLET PROTECTION TABLE				
OUTLET PROTECTION	LA	W	D	RIP RAP TYPE AND THICKNESS
SED BASIN 1	16'	25'	3.0'	R-7 @ 45" THICK
SED BASIN 1A	17'	23'	2.0'	R-6 @ 36" THICK
SED BASIN 3	20'	25'	3.0'	R-6 @ 36" THICK
SED BASIN 6	26'	35'	3.0'	R-7 @ 45" THICK
SED BASIN 8	14'	23'	3.0'	R-5 @ 27" THICK
SED BASIN 9	10'	14.5'	1.5'	R-6 @ 36" THICK
SED BASIN 10	22'	31'	3.0'	R-6 @ 36" THICK
SED BASIN 10A	20'	29'	3.0'	R-7 @ 45" THICK
SED BASIN 12	22'	31'	3.0'	R-7 @ 45" THICK
SED BASIN 15	18'	24'	2.0'	R-7 @ 45" THICK
SED BASIN 15A	18'	24'	2.0'	R-7 @ 45" THICK
SED BASIN 18	16'	25'	3.0'	R-7 @ 45" THICK
SED BASIN 21	34'	46'	4.0'	R-7 @ 45" THICK

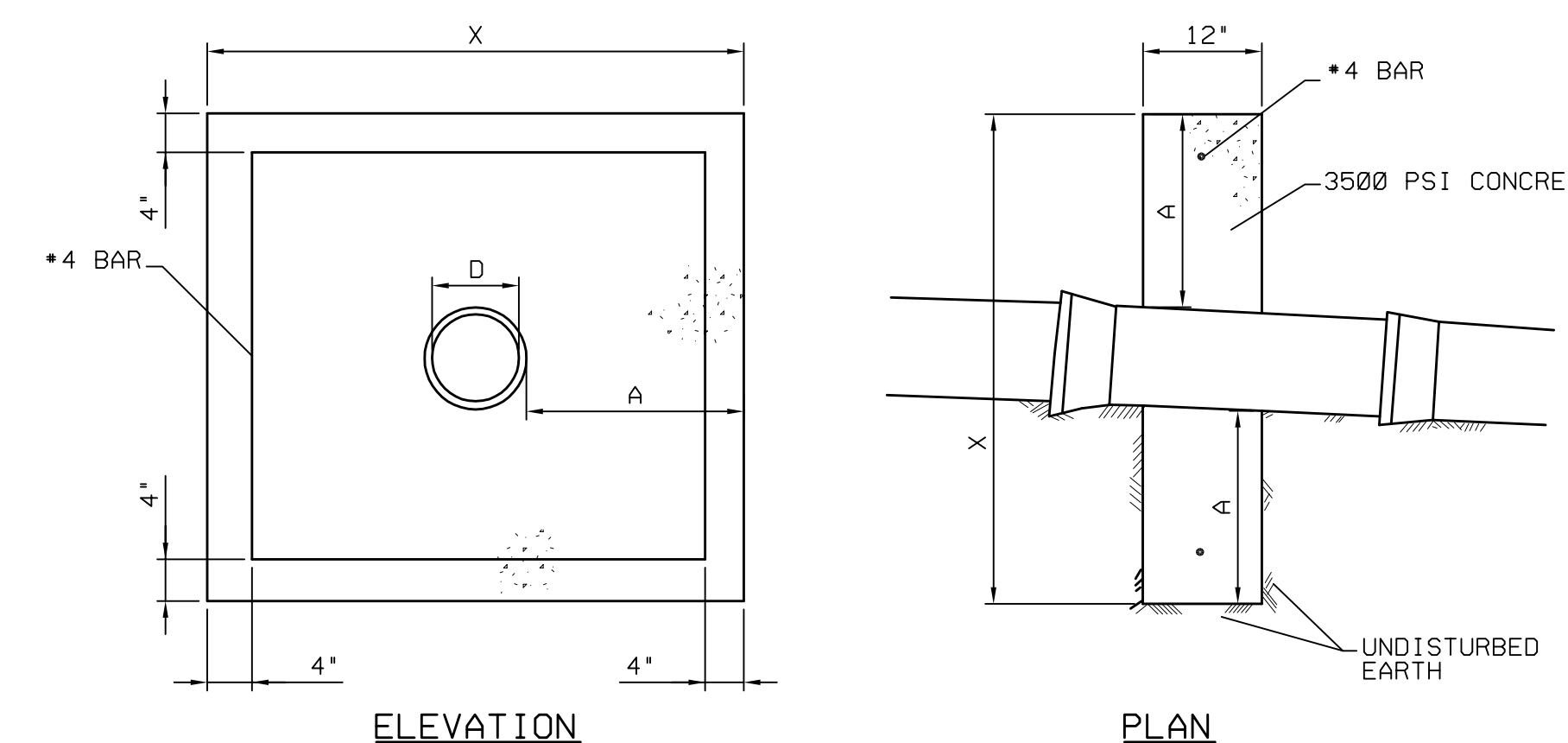
ROCK SIZE DISTRIBUTION TABLE			
GRADED ROCK SIZE (IN)			
NSA NO.	MAX.	D50	MIN.
R-1	1.5	.75	NO. 8
R-2	3	1.50	1
R-3	6	3	2
R-4	12	6	3
R-5	18	9	5
R-6	24	12	7
R-7	30	15	12



- NOTES:
1. A CLEANOUT STAKE SHALL BE PLACED AS INDICATED ON THE PLANS. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES THE CLEAN OUT ELEVATION INDICATED.
 2. ALL PIPE CONNECTIONS SHALL HAVE WATER TIGHT SEALS.
 3. ANTI-SEEP COLLARS SHALL BE SPACED 14" APART. THE ANTI-SEEP COLLARS SHALL BE A MINIMUM 5.0' X 5.0'. COLLARS SHALL NOT BE LOCATED CLOSER THAN 2' TO A PIPE JOINT.
 4. PERMANENT STRUCTURE IN BASIN NO. 21 IS A 6' X 6' CONCRETE BOX.

BASIN NO.	Z1 (FT)	Z2 (FT)	TEMP EXT. BOX ELEV. (FT)	TOP ELEV. ETE (FT)	EMBANKMENT		CLEAN OUT ELEV. (FT)	BOTTOM ELEV. (FT)	SKIMMER		OUTLET BARREL						
					TOP WIDTH (FT)	KEY TRENCH DEPTH (FT)			KEY TRENCH WIDTH (FT)	DIA. SAD (IN)	LENGTH SA1 (IN)	INLET DIA. (IN)	INLET ELEV. (FT)	LENGTH (FT)	OUTLET ELEV. (FT)		
1	2	3	669.00	672.00	8	0	0	665.40	665.00	6	6	PVC	30	665.00	HDPE	54	664.00
1A	2	3	661.86	666.00	8	0	0	659.54	659.00	6	5	PVC	24	659.00	HDPE	55	658.00
3	2	3	657.00	660.00	8	2	4	651.31	651.00	6	9	PVC	36	650.00	HDPE	90	648.50
6	2	3	637.00	641.00	8	2	4	632.31	632.00	8	8	PVC	36	632.00	HDPE	144	629.00
8	2	3	667.00	670.00	8	0	0	664.39	664.00	4	5	PVC	30	664.00	HDPE	98.5	663.00
9	2	3	680.50	684.00	8	0	0	678.39	678.00	4	4	PVC	18	676.00	HDPE	75	673.75
10	2	3	666.07	670.00	8	0	0	663.55	663.00	6	5	PVC	36	661.70	HDPE	70	661.00
10A	2	3	691.70	695.00	8	0	0	688.34	688.00	8	6	PVC	36	686.00	HDPE	75	683.75
12	2	3	679.50	683.00	8	0	0	677.84	677.50	6	3	PVC	36	675.00	HDPE	185	667.97
15	2	3	993.00	996.00	8	0	0	990.54	990.00	4	5	PVC	24	990.00	HDPE	26	989.48
15A	2	3	990.50	994.00	8	2	4	986.26	985.00	4	8	PVC	18	982.00	HDPE	62	978.28
18	2	3	626.00	630.00	8	2	4	621.32	621.00	6	8	PVC	24	621.00	HDPE	74	619.00
21	2	3	535.92	540.00	8	4	8	531.90	531.00	8	7	PVC	48	531.00	HDPE	205	528.95

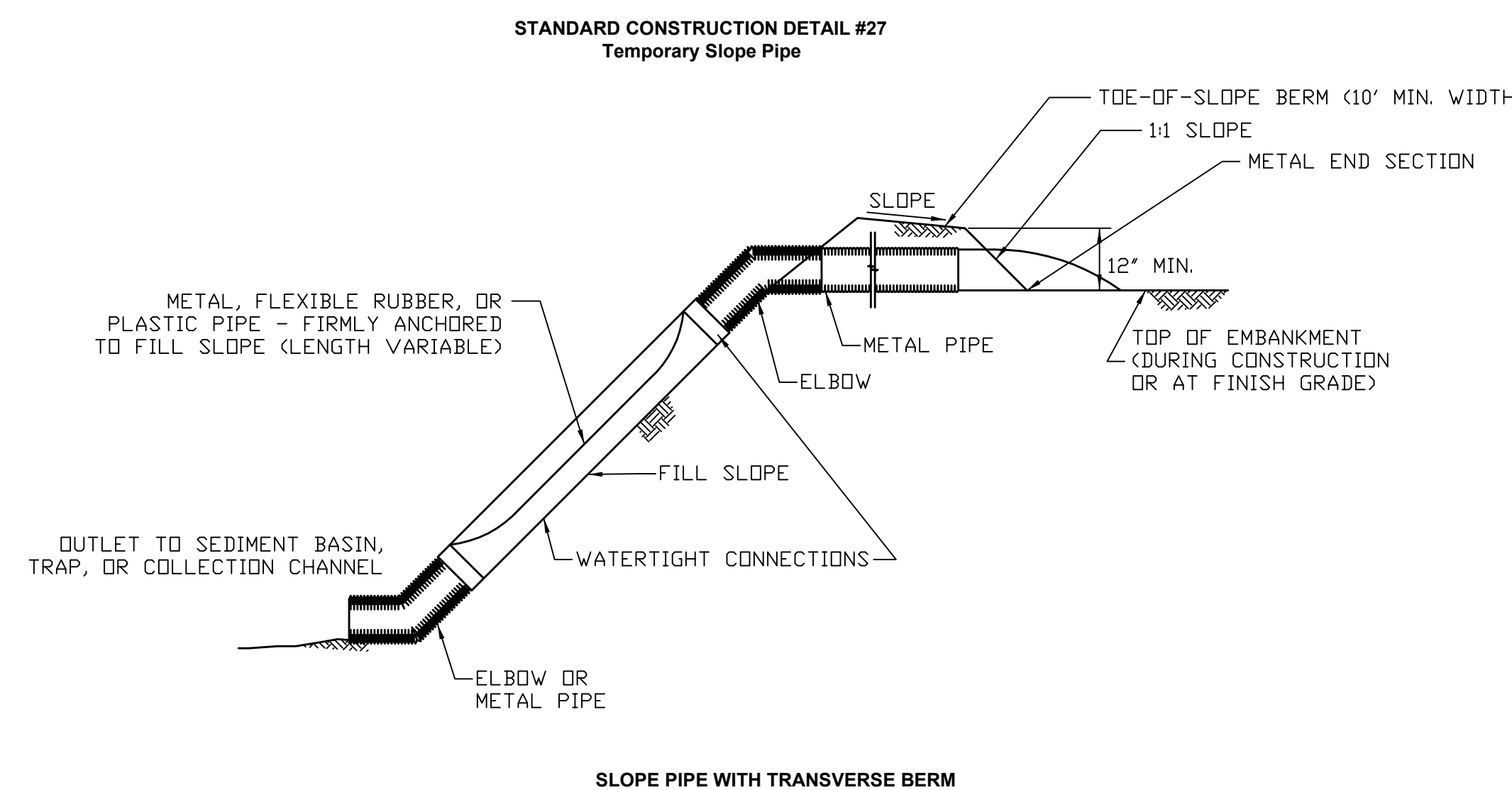
7 SEDIMENT BASIN EMBANKMENT AND SPILLWAY DETAILS - SKIMMER
NO SCALE



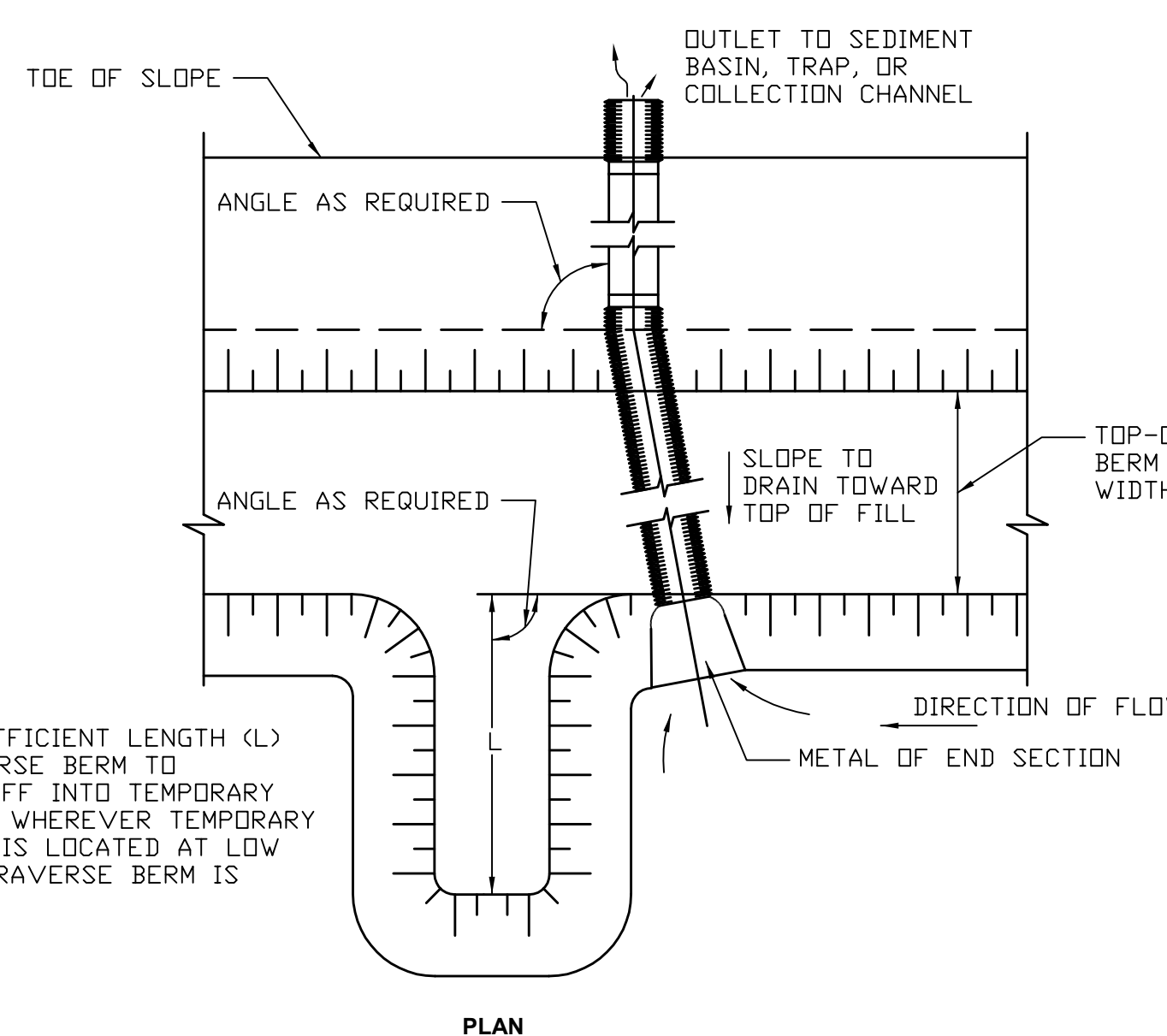
BASIN	D (IN)	A (FT)	X (FT)	SPACING (FT)
1	30	1.25	5.00	-
1A	24	1.00	4.00	-
3	36	1.75	6.50	10
6	36	1.75	6.50	-
8	30	1.00	4.50	-
9	18	1.50	4.50	-
10	36	1.25	5.50	-
10A	36	2.00	7.00	-
12	36	1.50	6.00	-
15	24	1.00	4.00	-
15A	18	1.25	4.00	15
18	24	1.25	4.50	10
21	48	2.25	8.50	-

NOTE:
SPACE AS SHOWN ON DETENTION BASIN OUTLET CONTROL DETAILS.

8 CONCRETE ANTI-SEEP COLLAR DETAIL
NO SCALE



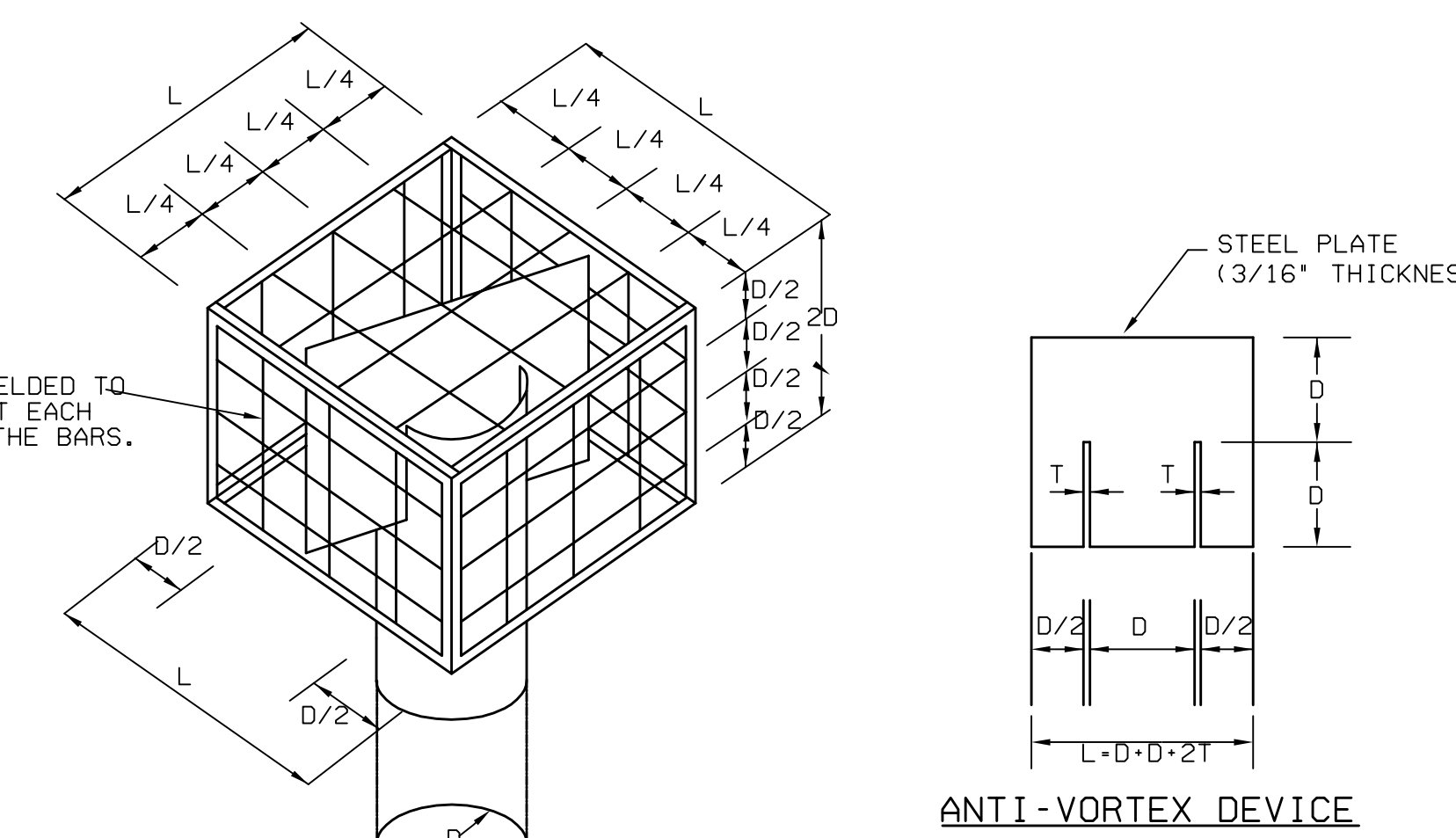
SLOPE PIPE WITH TRANSVERSE BERM



PROVIDE SUFFICIENT LENGTH (L) OF TRANSVERSE BERM TO DIRECT RUNOFF INTO TEMPORARY SLOPE PIPE. WHEREVER TEMPORARY SLOPE PIPE IS LOCATED AT LOW POINT, NO TRANSVERSE BERM IS REQUIRED.

Transverse berm must be used whenever temporary slope pipe is not located at low point. Any accumulated sediment should be removed from the inlet.

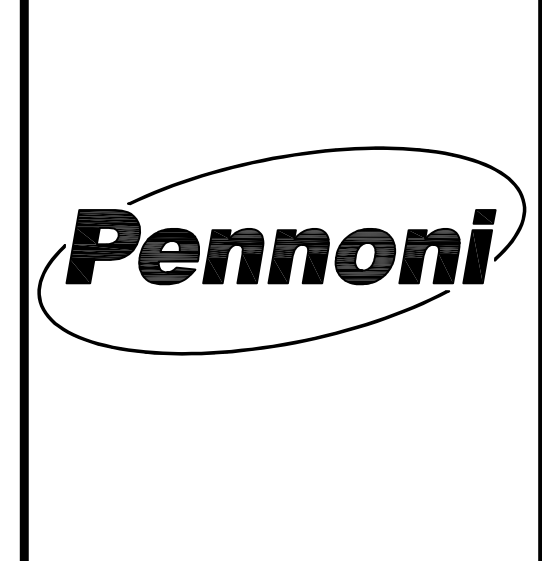
6 SLOPE PIPE
NO SCALE



•• 4 BARS (TYP.) WELDED TO THE ANGLES AND AT EACH INTERSECTION OF THE BARS.

T = THICKNESS OF RISER PIPE.
D = DIAMETER OF RISER PIPE.
D' = DIAMETER OF OUTLET PIPE.

9 TRASH RACK AND ANTI-VORTEX DEVICE
NO SCALE



DATE	NO.	REVISIONS	DFC	DFC	BY
9/15/11	1	EXCESS EARTHWORK REDUCTION AND LID COMMENTS			
11/12/10	0	INITIAL SUBMISSION			

ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR. ASSUMES ALL DIMENSIONS ARE AS SHOWN UNLESS OTHERWISE NOTED. PROCEEDING WITH THE WORK.

BELL BEND NUCLEAR POWER PLANT
EROSION AND SEDIMENTATION CONTROL DETAILS

SALEM TOWNSHIP, PENNSYLVANIA
PPL BELL BEND, LLC
38 BOMBAY LANE, SUITE 2
BERWICK, PA 18603

JOB NO.
PPLS0902
SHEET 72 OF 75

SCALE: N.T.S.
DRAWN BY: LGB
DATE: 9/15/2011
APPROVED: JFM

DRAWING NO.: CS8502