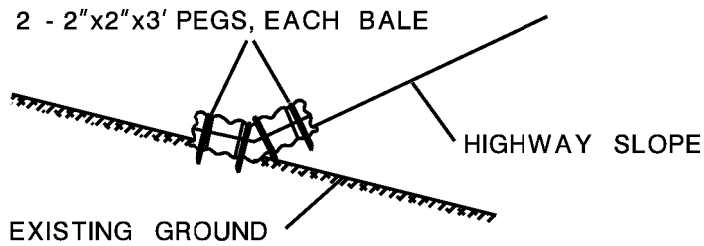


SOIL EROSION DETAILS

1. BALED HAY EROSION CHECKS AT SWALES
2. BALED HAY EROSION CHECKS
3. TEMPORARY HAY BALE BARRIER AROUND DRAINAGE
4. INLET FILTER
5. WIRE ENCLOSED RIPRAP
6. SEDIMENT FILTER FENCE
7. SOIL STABILIZATION MATTING
8. SOIL STABILIZATION MATTING INLET & MOUND
9. FLOATING TURBIDITY BARRIER
10. STAKED TURBIDITY BARRIER
11. CUTOFF WALL, UPSTREAM & DOWNSTREAM
12. STABILIZED CONSTRUCTION ENTRANCE

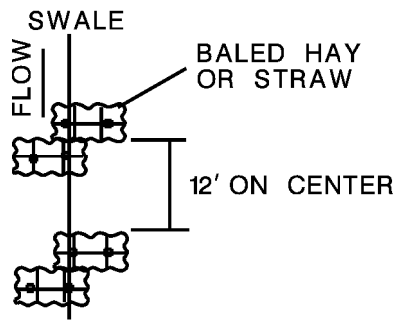
NOTE:

FOR UPDATES REFER TO NJDOT'S ROADWAY CONSTRUCTION DETAILS UNDER "SOIL EROSION AND SEDIMENT CONTROL" CD-158-1 THROUGH CD-158-4.



ELEVATION

NOTE: EMBED BALES
4 TO 6 INCHES

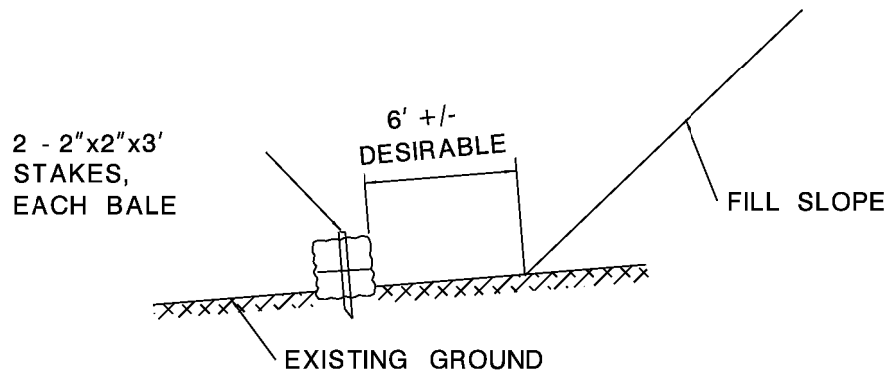


PLAN

NOTE: TO BE USED WHERE THE EXISTING GROUND SLOPES
TOWARDS THE HIGHWAY EMBANKMENT AS CALLED
FOR ON PLANS.

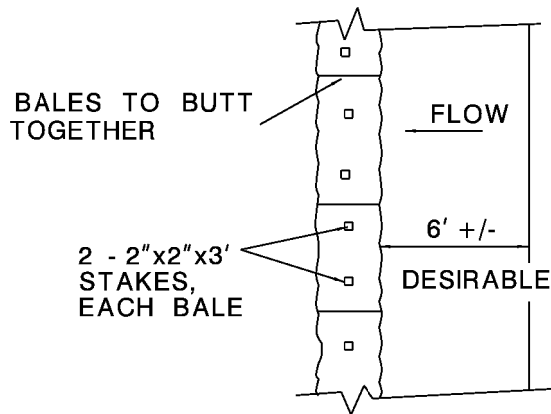
MIRAFIENVIROFENCE, OR EQUAL MAY BE
SUBSTITUTED FOR BALED HAY OR STRAW.

**BALED HAY OR STRAW
EROSION CHECKS AT SWALES**



ELEVATION

NOTE: EMBED BALES 4 TO 6 INCHES

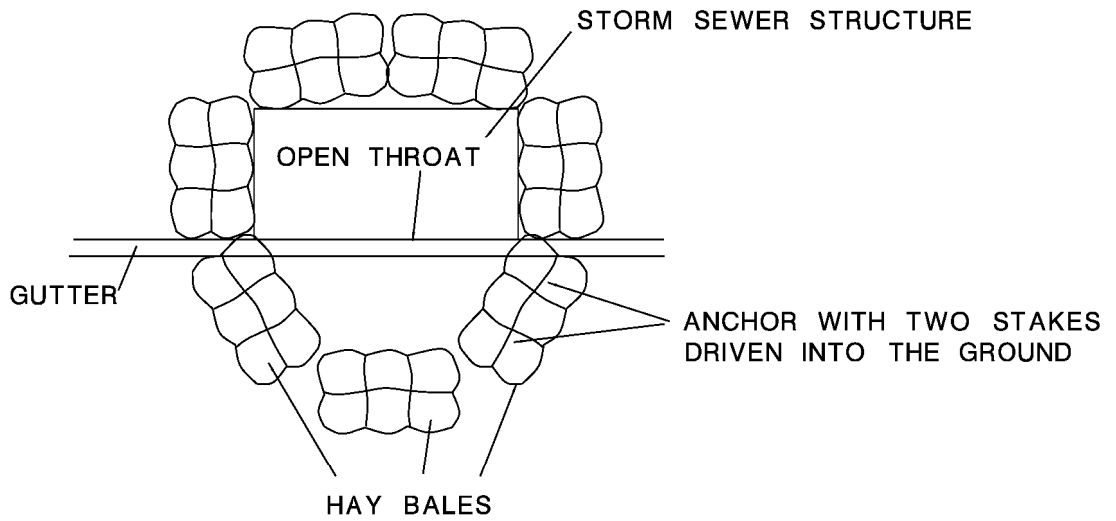


PLAN

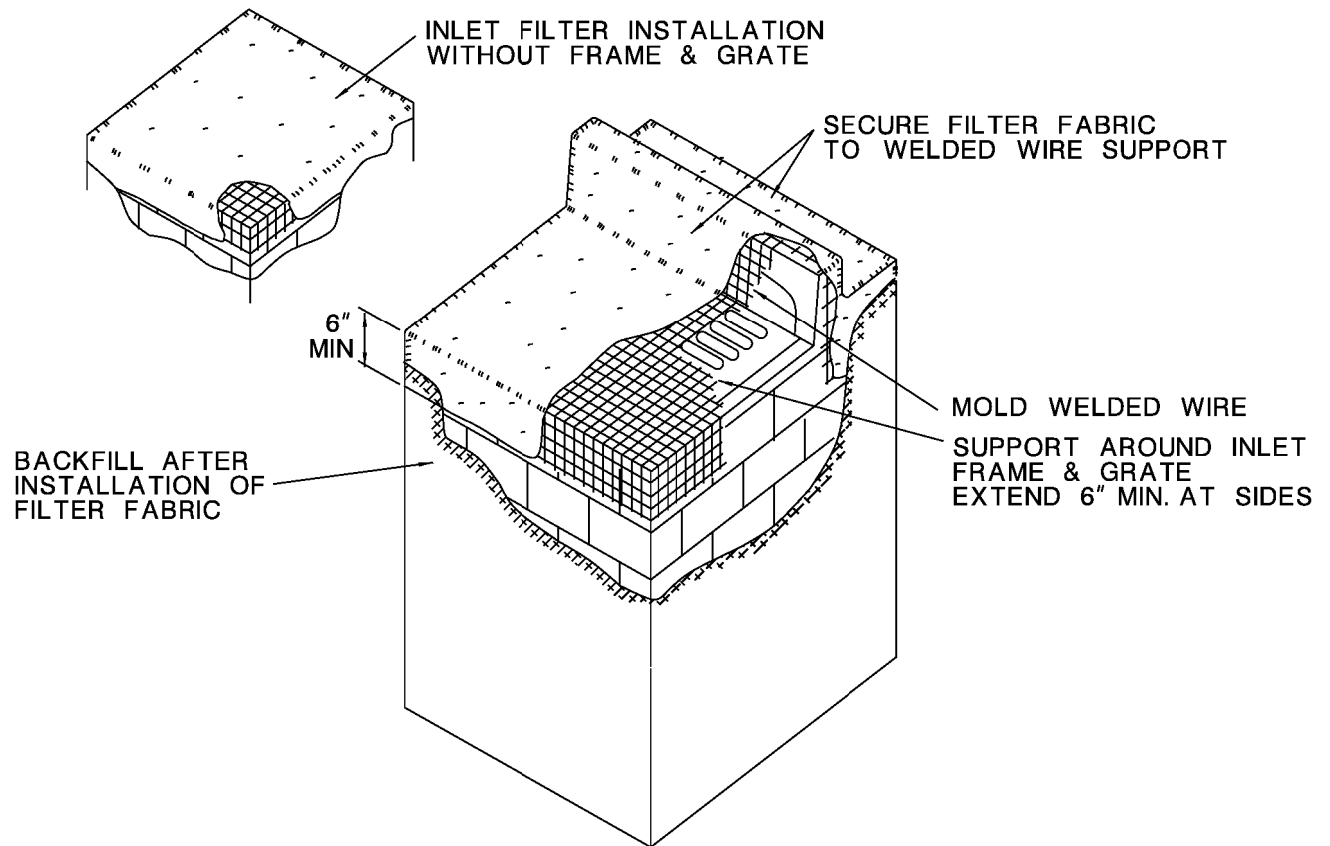
NOTE: TO BE USED WHERE THE EXISTING GROUND SLOPES AWAY FROM THE HIGHWAY EMBANKMENT AS CALLED FOR BY THE ENGINEER

MIRAFI ENVIROFENCE, OR EQUAL MAY BE SUBSTITUTED FOR BALED HAY OR STRAW

BALED HAY OR STRAW EROSION CHECKS



**TEMPORARY HAY BALE BARRIER
AROUND DRAINAGE STRUCTURE**

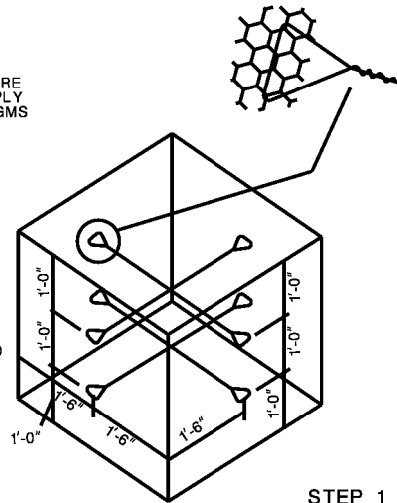


NOTES:

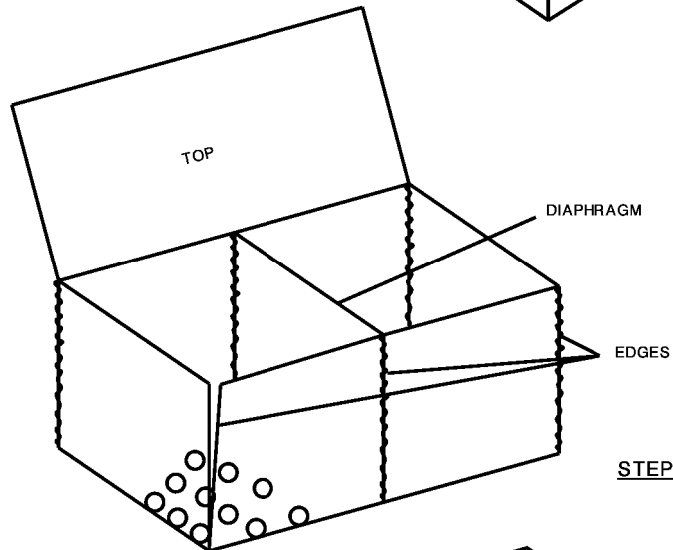
1. CONTRACTOR TO CLEAN INLET FILTER AFTER EVERY STORM
2. CONTRACTOR TO REMOVE FABRIC AND MESH JUST PRIOR TO PAVING
3. IF BOTTOM OF ROADWAY BOX IS BELOW TOP OF GRATE, CONSTRUCT OPENINGS IN INLET WALL TO ALLOW WATER TO FLOW IN. COVER OPENINGS WITH WELDED WIRE SUPPORT AND FILTER FABRIC.

INLET FILTER DETAIL

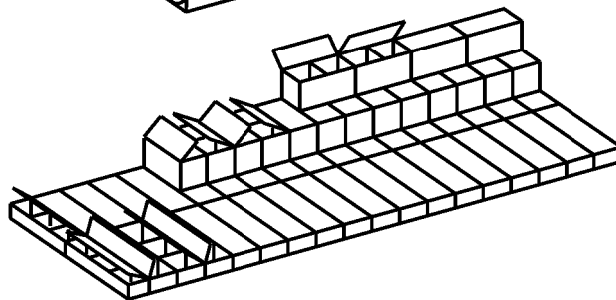
1. FOR EASY HANDLING AND SHIPPING, GABIONS ARE SUPPLIED FOLDED INTO A FLAT POSITION. THEY ARE READILY ASSEMBLED BY UNFOLDING AND BY SIMPLY WIRING THE EDGES TOGETHER AND THE DIAPHRAGMS TO THE SIDES.
2. THE GABIONS ARE FILLED TO A DEPTH OF ONE FOOT. THEN ONE CONNECTING WIRE IS PLACED IN EACH DIRECTION AND LOOPED AROUND TWO MESHES OF THE GABION WALL. THIS OPERATION IS REPEATED UNTIL THE GABION IS FILLED.
3. ADJOINING GABIONS ARE WIRED TOGETHER BY THEIR VERTICAL EDGES. EMPTY GABIONS, STACKED ON FILLED GABIONS, ARE WIRED TO THE FILLED GABIONS AT FRONT AND BACK.
4. AFTER THE GABION IS FILLED THE TOP IS FOLDED SHUT AND WIRED TO THE ENDS, SIDES AND DIAPHRAGMS.



STEP 1



STEP 2

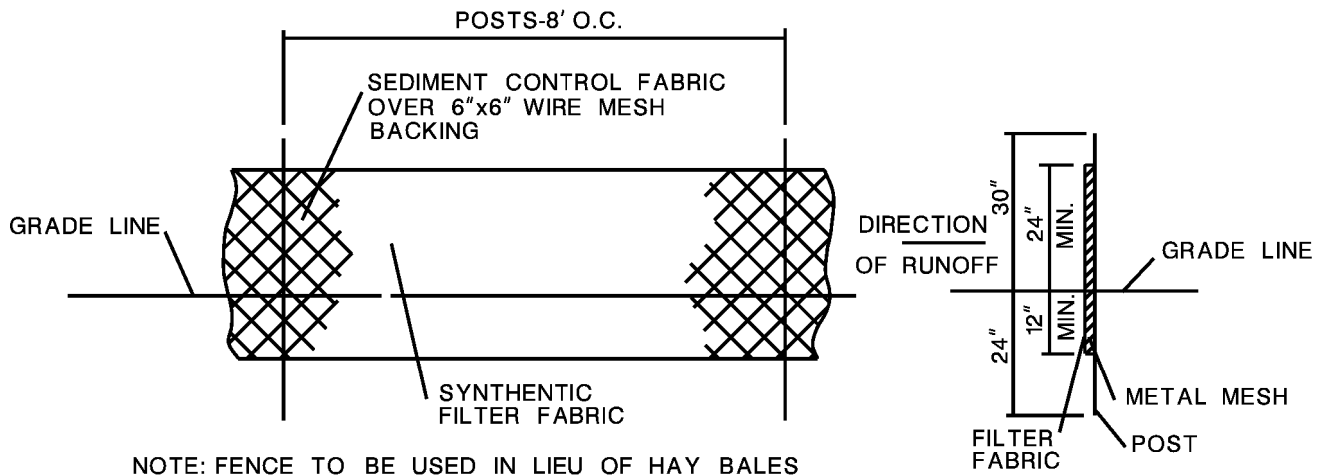


STEP 3

ASSEMBLY AND CONSTRUCTION

WIRE ENCLOSED RIPRAP

NOT TO SCALE

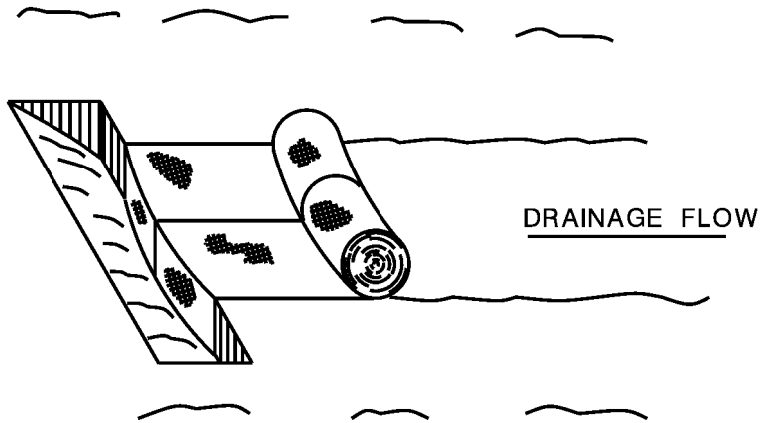


FRONT ELEVATION

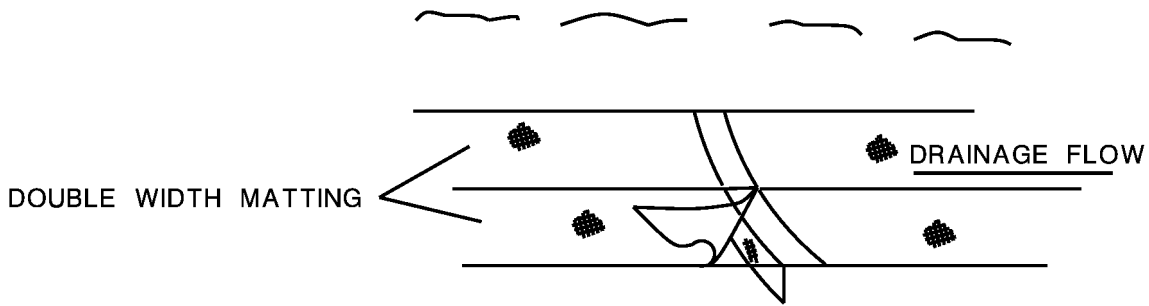
SIDE

SEDIMENT FILTER FENCE

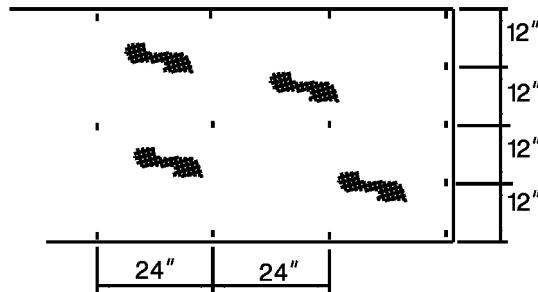
DOUBLE WIDTH MATTING IN SWALE



BURY TOP END OF MATTING IN A 6" TRENCH
TAMP TRENCH FULL OF SOIL

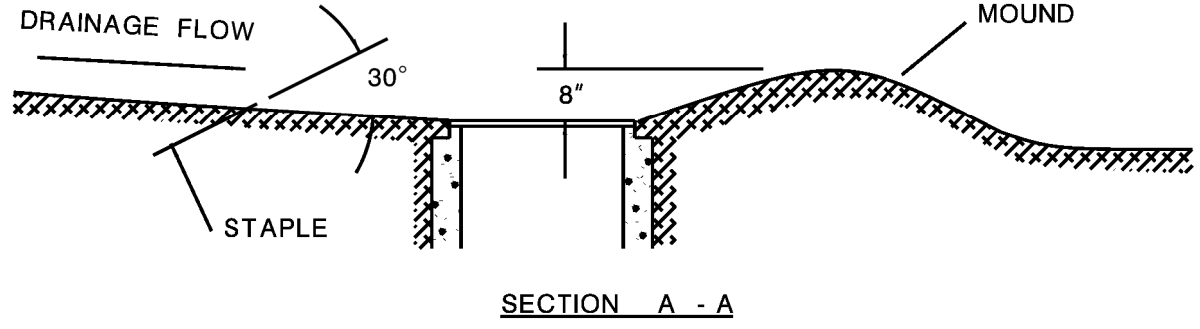
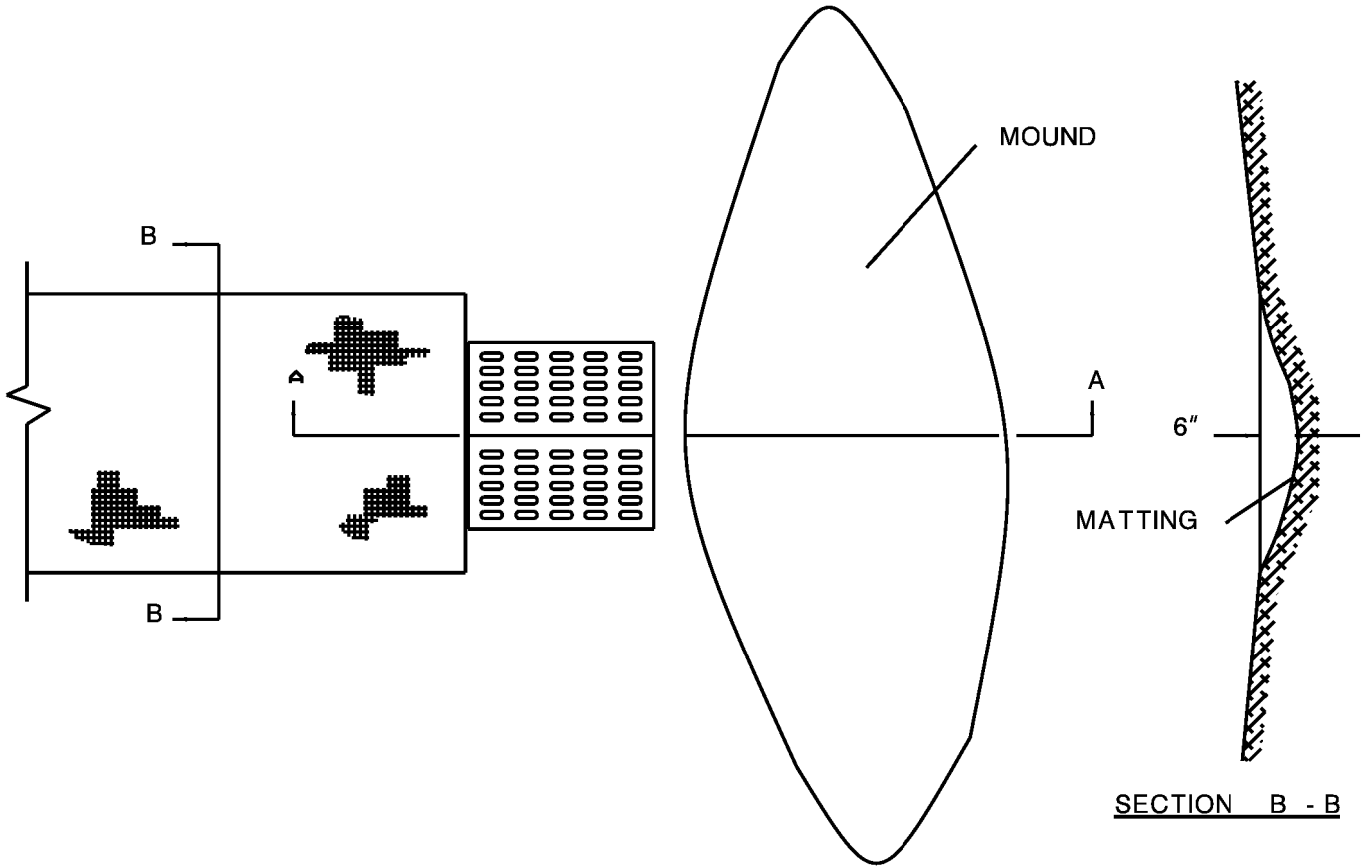


UPHILL SECTION OVERLAPS LOWER SECTION BY 6"
BURY TOP END AS PER ABOVE DETAIL
IN MEDIANS, INSTALL MATTING DOUBLE WIDTH

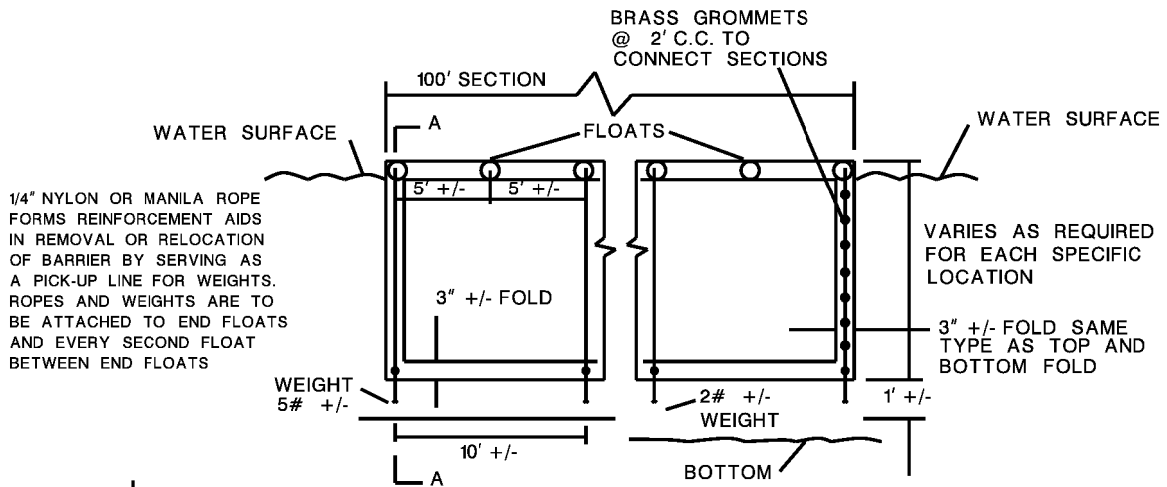


SECURE MATTING WITH STAPLES SPACED 24" APART ALONG THE
SIDES AND DOWN THE CENTER. AT THE ENDS OF THE MATTING
AND AT 50' INTERVALS STAPLES SHALL BE PLACED 12" APART
ACROSS THE WIDTH

SOIL STABILIZATION MATTING DETAIL



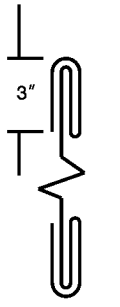
**SOIL STABILIZATION MATTING DETAIL
INLET & MOUND**



1/4" NYLON OR MANILA ROPE FORMS REINFORCEMENT AIDS IN REMOVAL OR RELOCATION OF BARRIER BY SERVING AS A PICK-UP LINE FOR WEIGHTS. ROPES AND WEIGHTS ARE TO BE ATTACHED TO END FLOATS AND EVERY SECOND FLOAT BETWEEN END FLOATS

VARIES AS REQUIRED FOR EACH SPECIFIC LOCATION

3" +/- FOLD SAME TYPE AS TOP AND BOTTOM FOLD

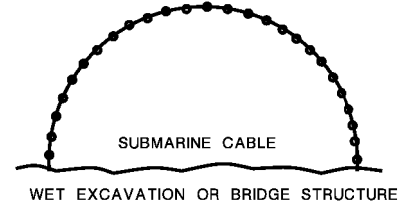
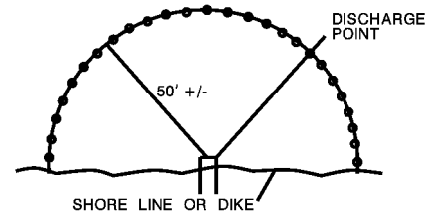
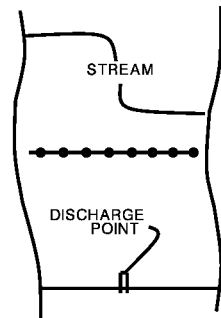


SIDE VIEW

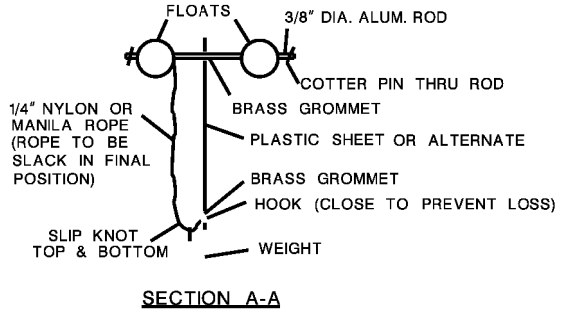
FOLD TOP AND BOTTOM TO GET FOUR THICKNESSES OF MATERIAL

10 MIL. POLYETHYLENE PLASTIC SHEET OR SUITABLE ALTERNATE TO FIT EXISTING CONDITIONS AS APPROVED BY THE ENGINEER

FRONT VIEW



TYPICAL APPLICATIONS



SECTION A-A

NOTE:

AT SHALLOW WATER LOCATIONS THE PLASTIC SHEET OR SUITABLE ALTERNATE MAY BE FASTENED TO STAKES DRIVEN INTO THE BOTTOM IN LIEU OF FLOATS AND WEIGHTS.

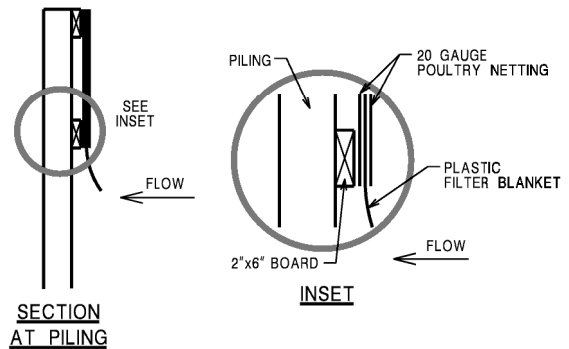
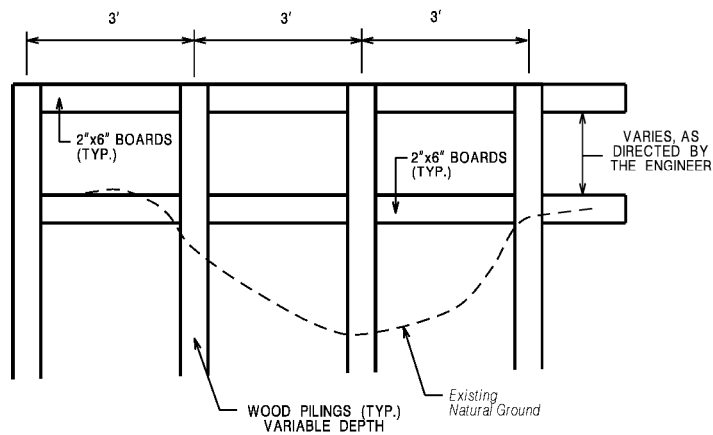
GENERAL NOTES:

SILT BARRIER TO PREVENT DRIFTING OF SILT CAUSED BY DISCHARGE OF STORM SEWERS DURING CONSTRUCTION, DREDGING OR FILLING OPERATIONS.

EXACT PLACEMENT OF SILT BARRIER SHALL BE SO AS TO EFFECTIVELY CONTROL SILT DISPERSION UNDER THE CONDITIONS PRESENT ON A PARTICULAR PROJECT.

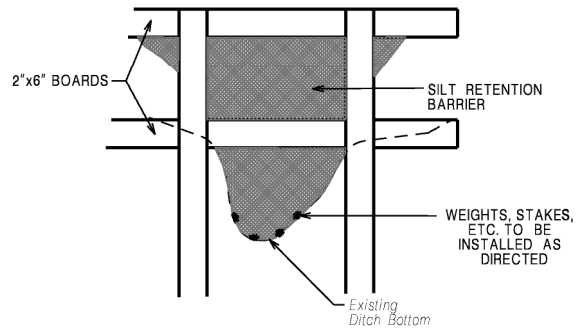
THE DETAILS SHOWN ON THIS SHEET ARE SUGGESTED METHODS ONLY. ALTERNATE SOLUTIONS AND USAGE OF MATERIALS MAY BE USED AS APPROVED BY THE ENGINEER.

FLOATING TURBIDITY BARRIER



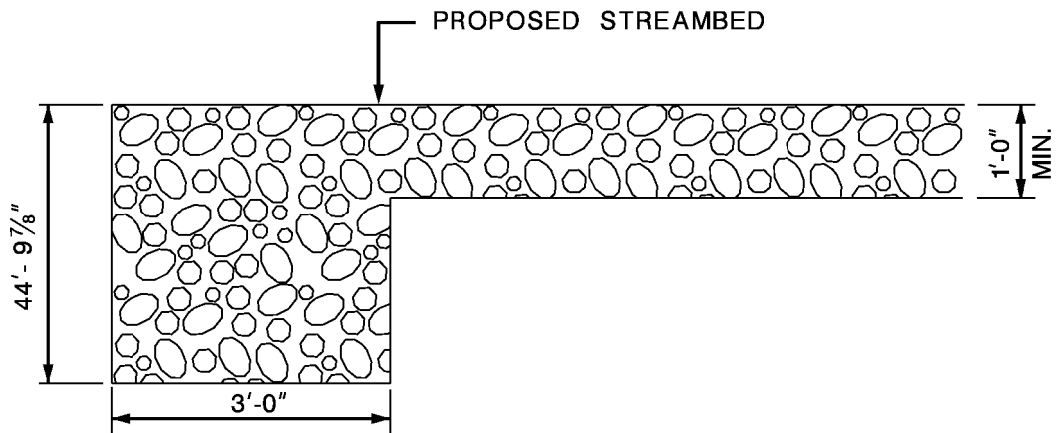
NOTE:

THE FRAME WILL BE CONSTRUCTED WITH 2"x6" BOARDS. PILINGS WILL BE A MINIMUM OF 6" IN DIAMETER AT THE BUTT END. THE DEPTH OF PILINGS WILL BE AT THE DISCRETION OF THE PROJECT ENGINEER. ATTACHED TO THE FRAME WILL BE 20 GAUGE POULTRY NETTING WITH 1" NET. THE SILT RETAINER WILL BE PLASTIC FILTER BLANKET EXTENDING FROM THE TOP 2"x6" BOARD TO 4' BEYOND THE BOTTOM 2"x6" BOARD. IN THE DITCH BOTTOM THE BLANKET AND POULTRY NETTING SHOULD EXTEND TO THE DITCH BOTTOM AND BE ANCHORED IN PLACE BY MEANS AVAILABLE TO THE CONTRACTOR TO EFFECTIVELY PREVENT SILT FROM ESCAPING FROM UNDER THE BOTTOM OF THE BARRIER. (SEE DETAIL TO THE RIGHT)



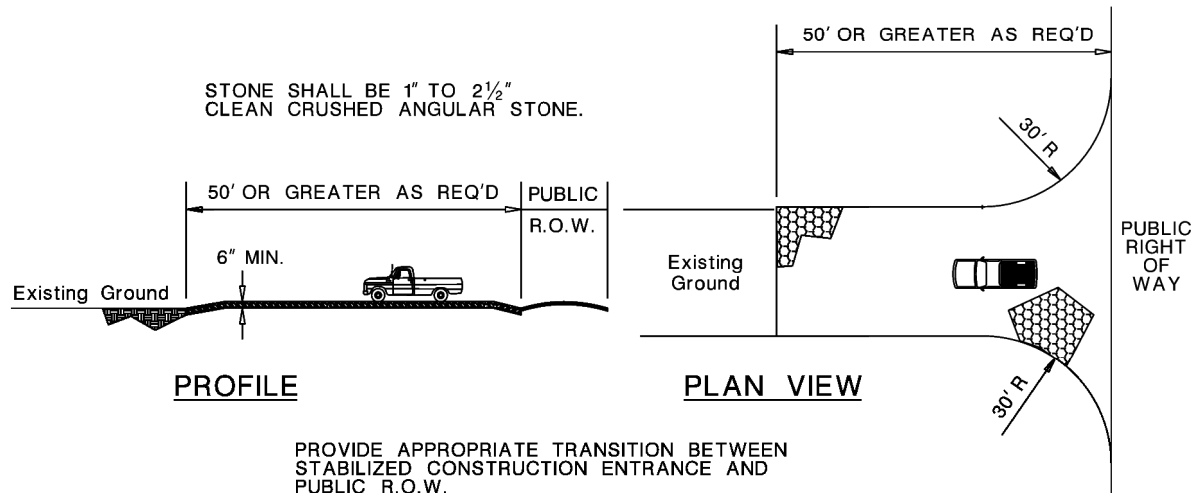
PLACEMENT OF STAKED SILT BARRRIER AT EXISTING DITCH LOCATIONS

STAKED TURBIDITY BARRIER



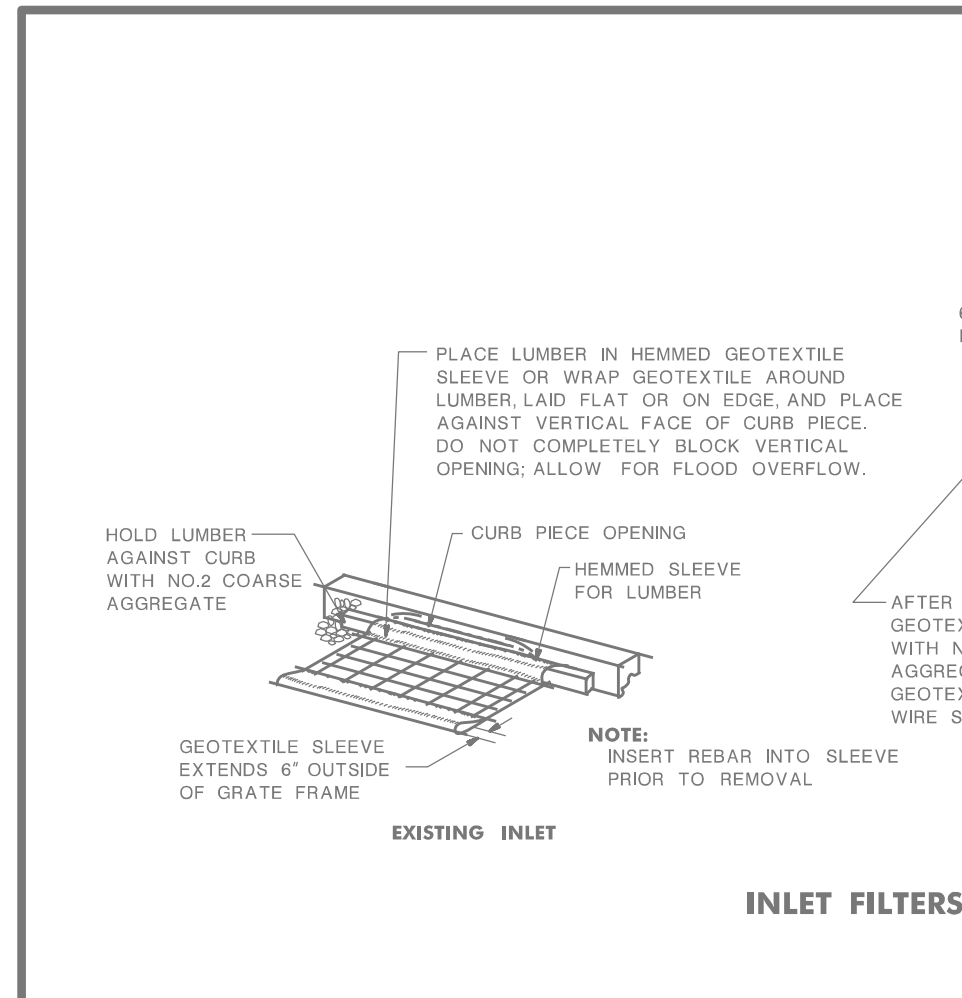
**UPSTREAM & DOWNSTREAM
CUTOFF WALL**

N.T.S.

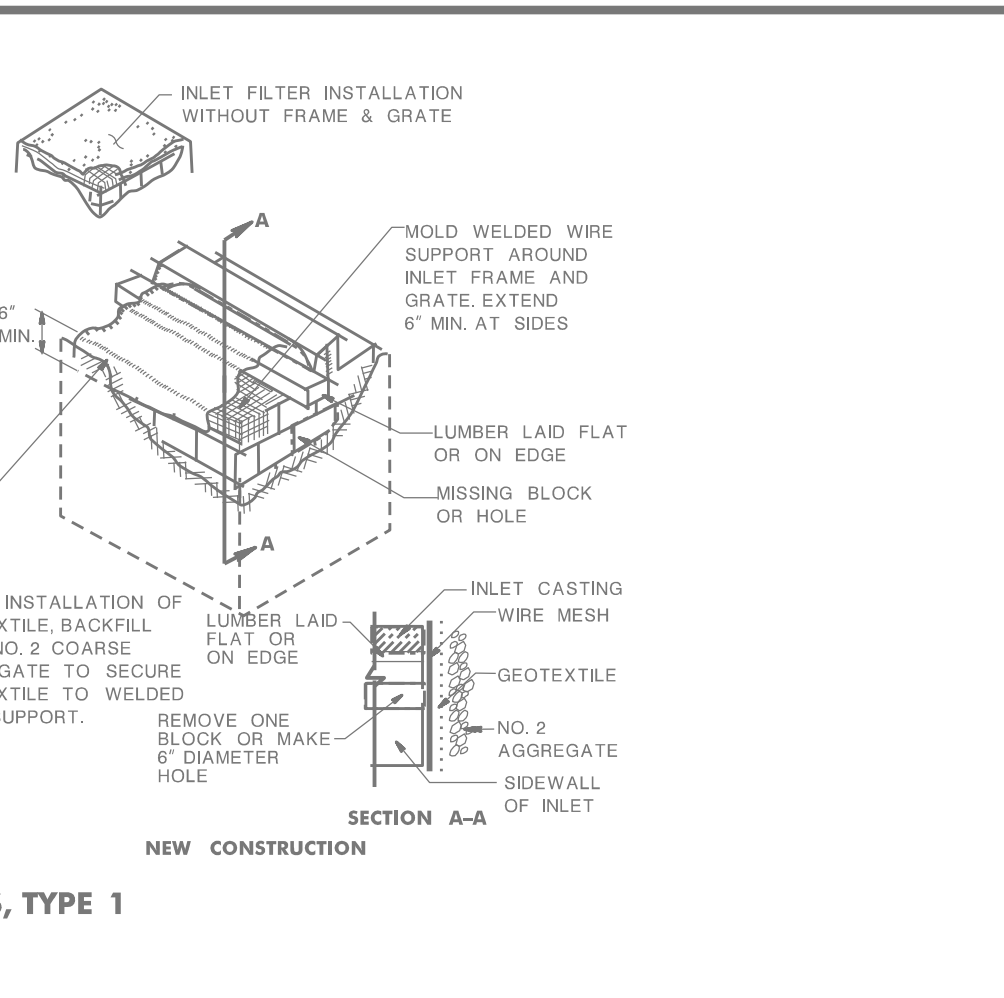


STABILIZED CONSTRUCTION ENTRANCE

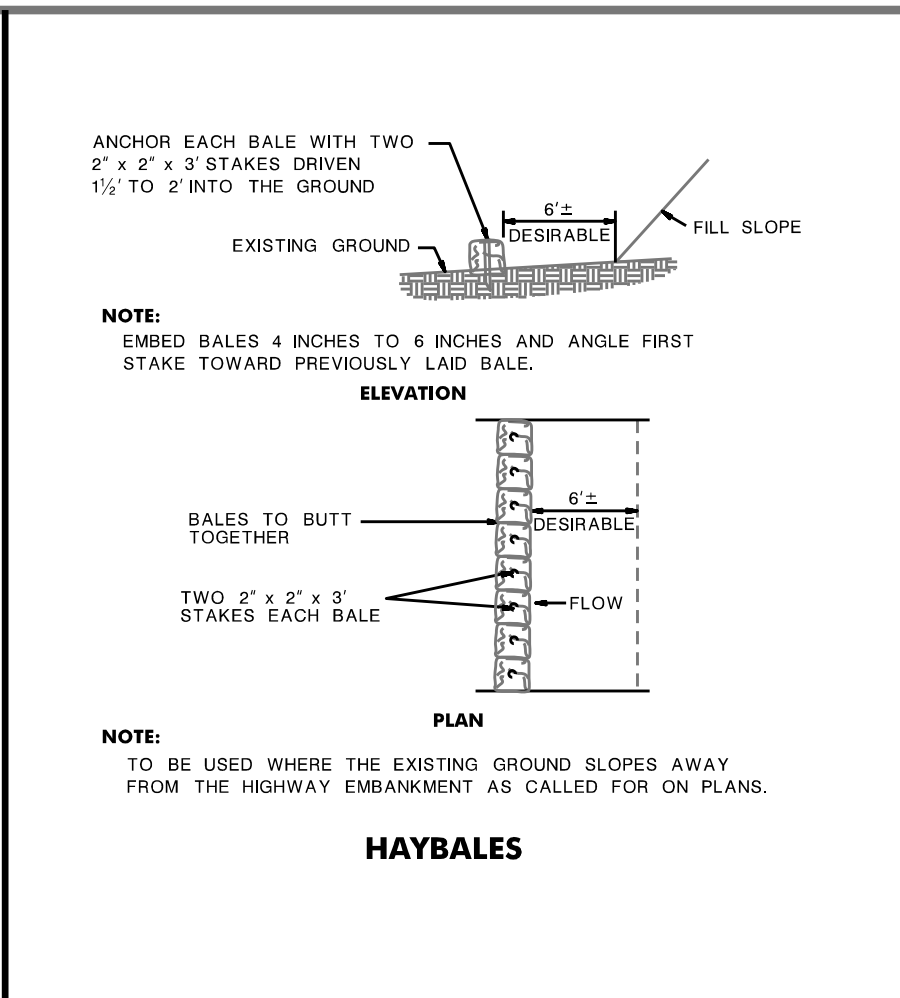
NOT TO SCALE



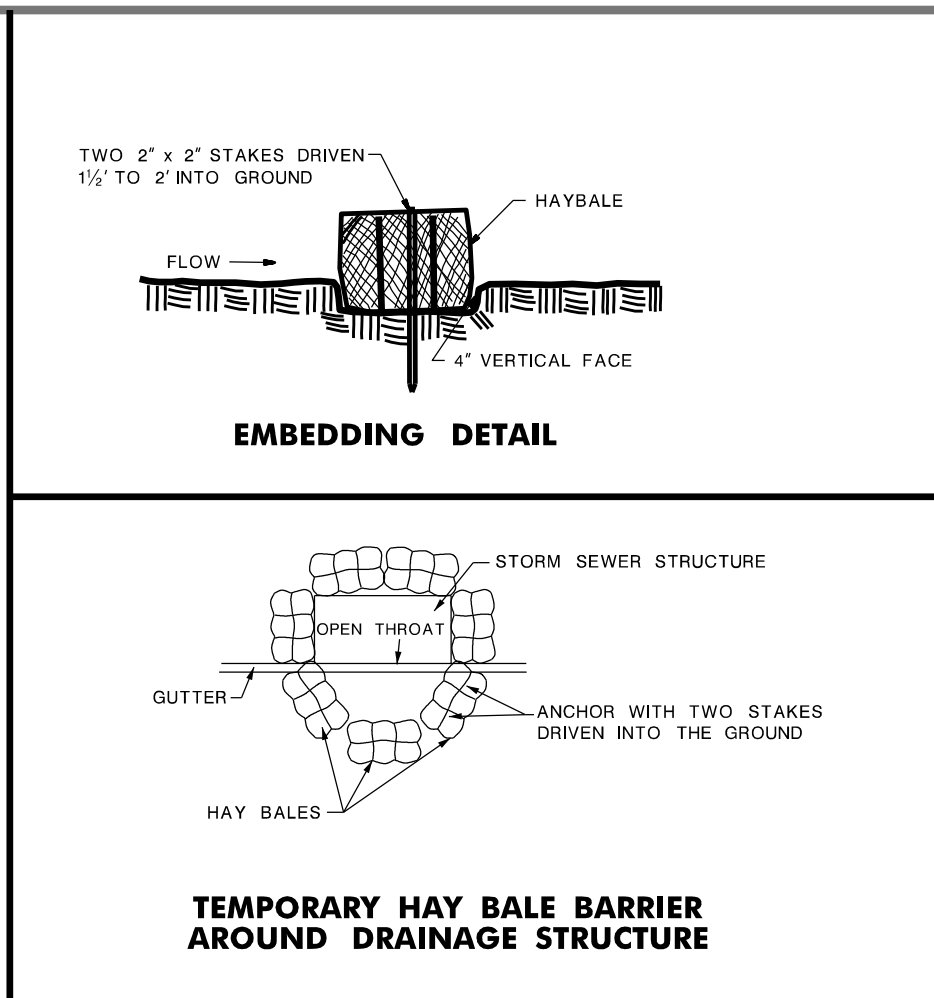
INLET FILTERS, TYPE 1



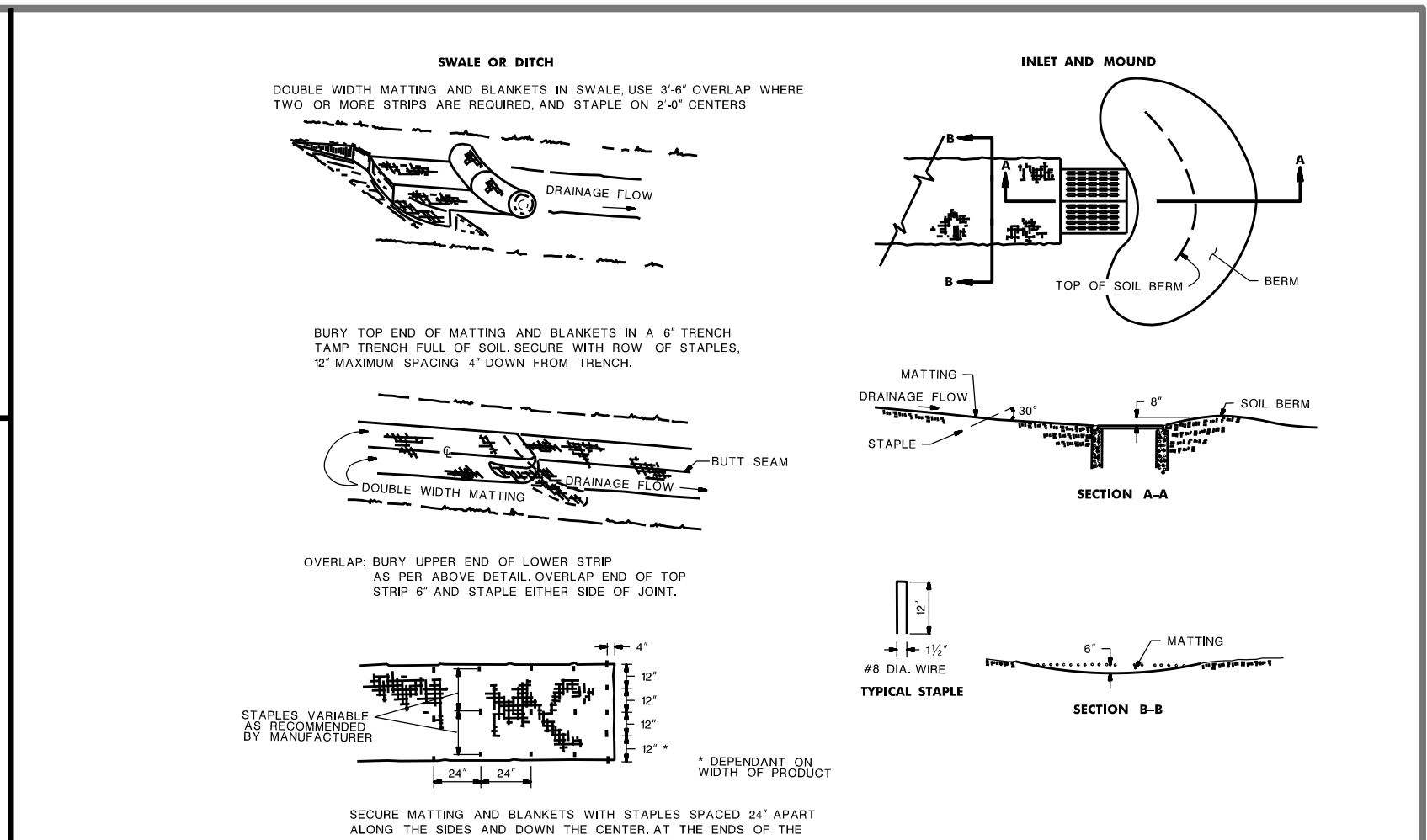
SILT FENCE



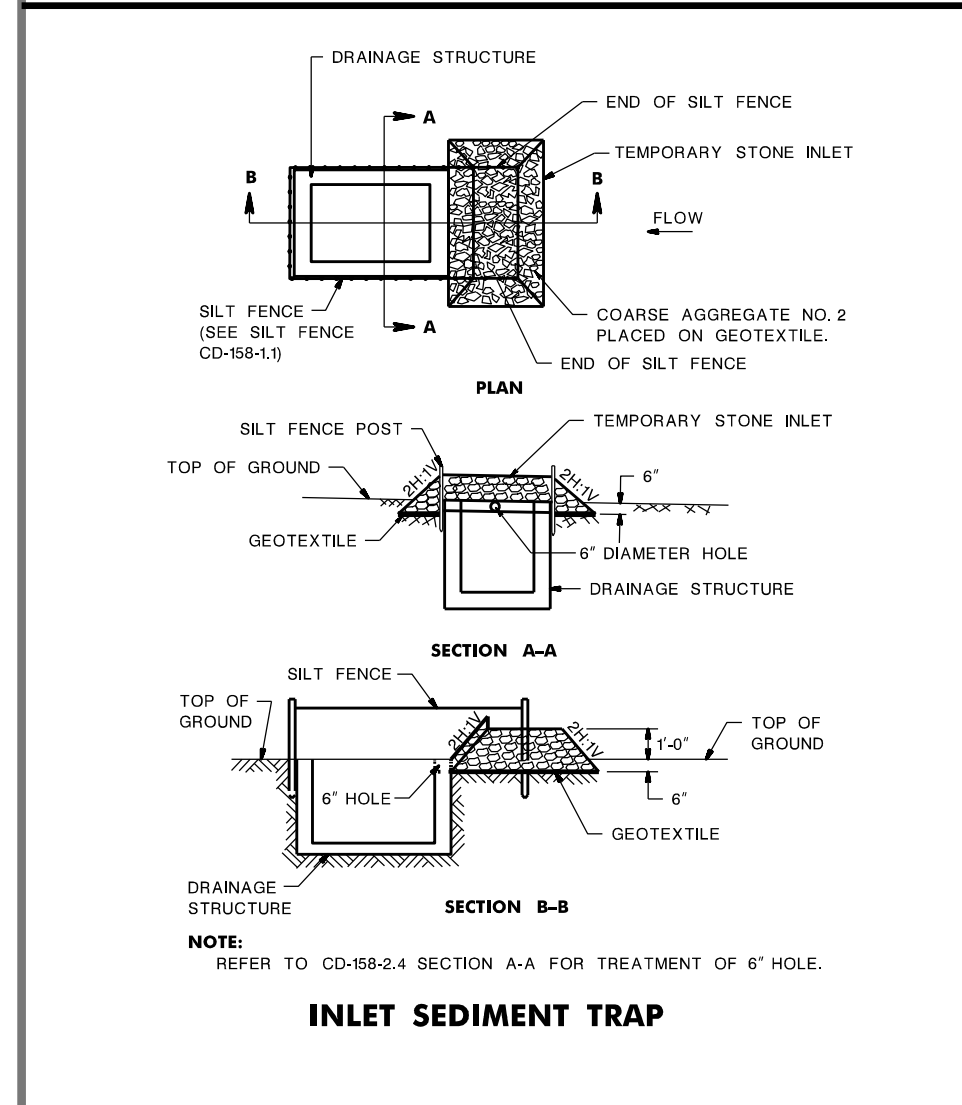
HAYBALES



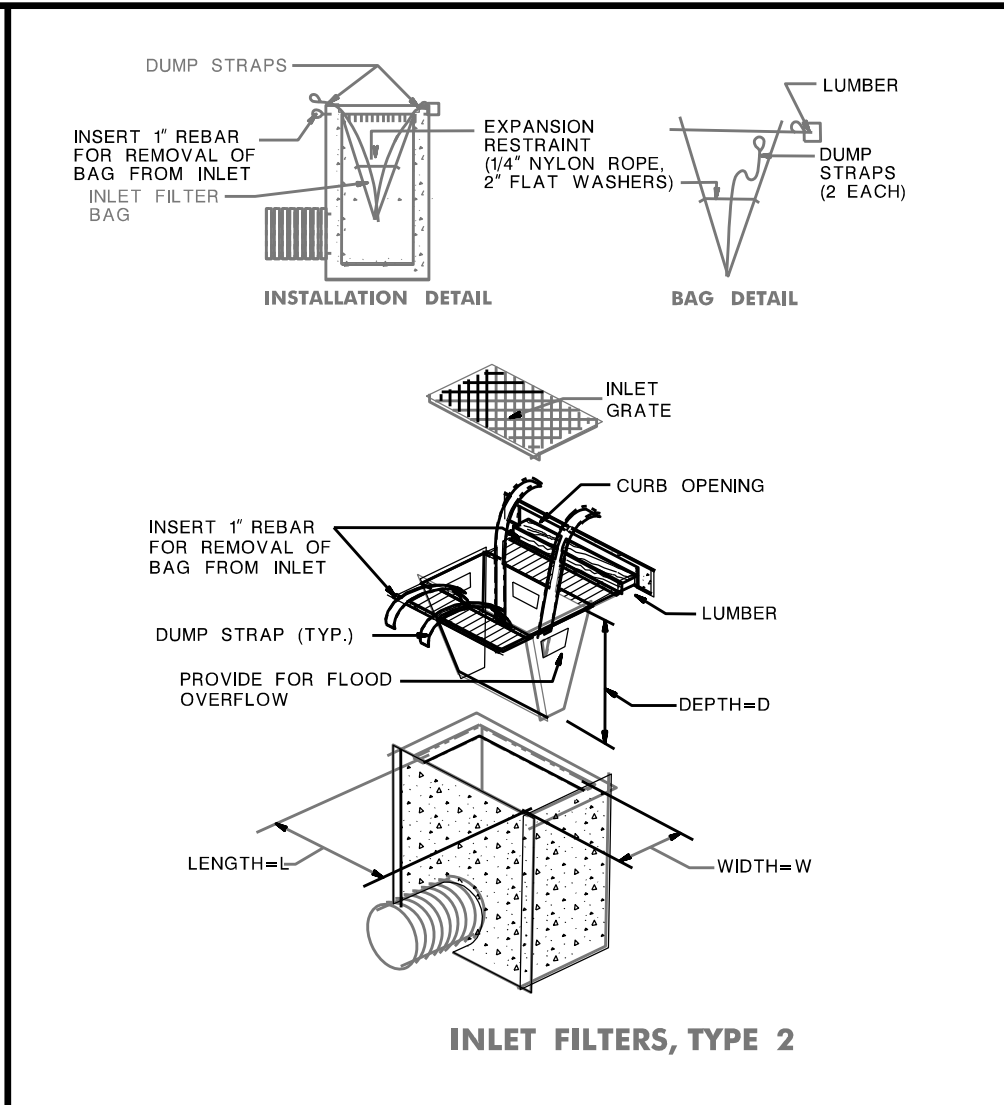
TEMPORARY HAY BALE BARRIER AROUND DRAINAGE STRUCTURE



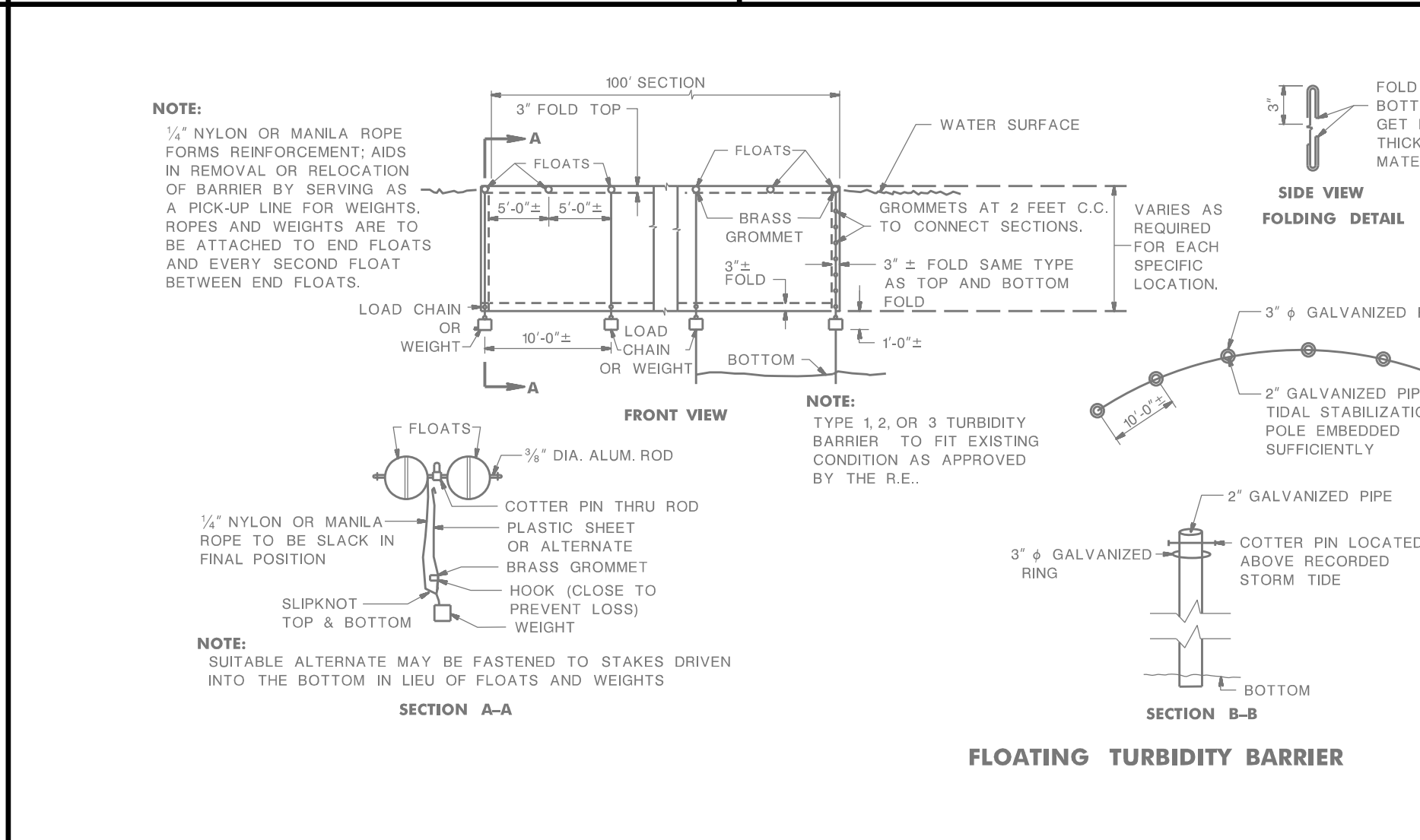
TOPSOIL STABILIZATION MATTING



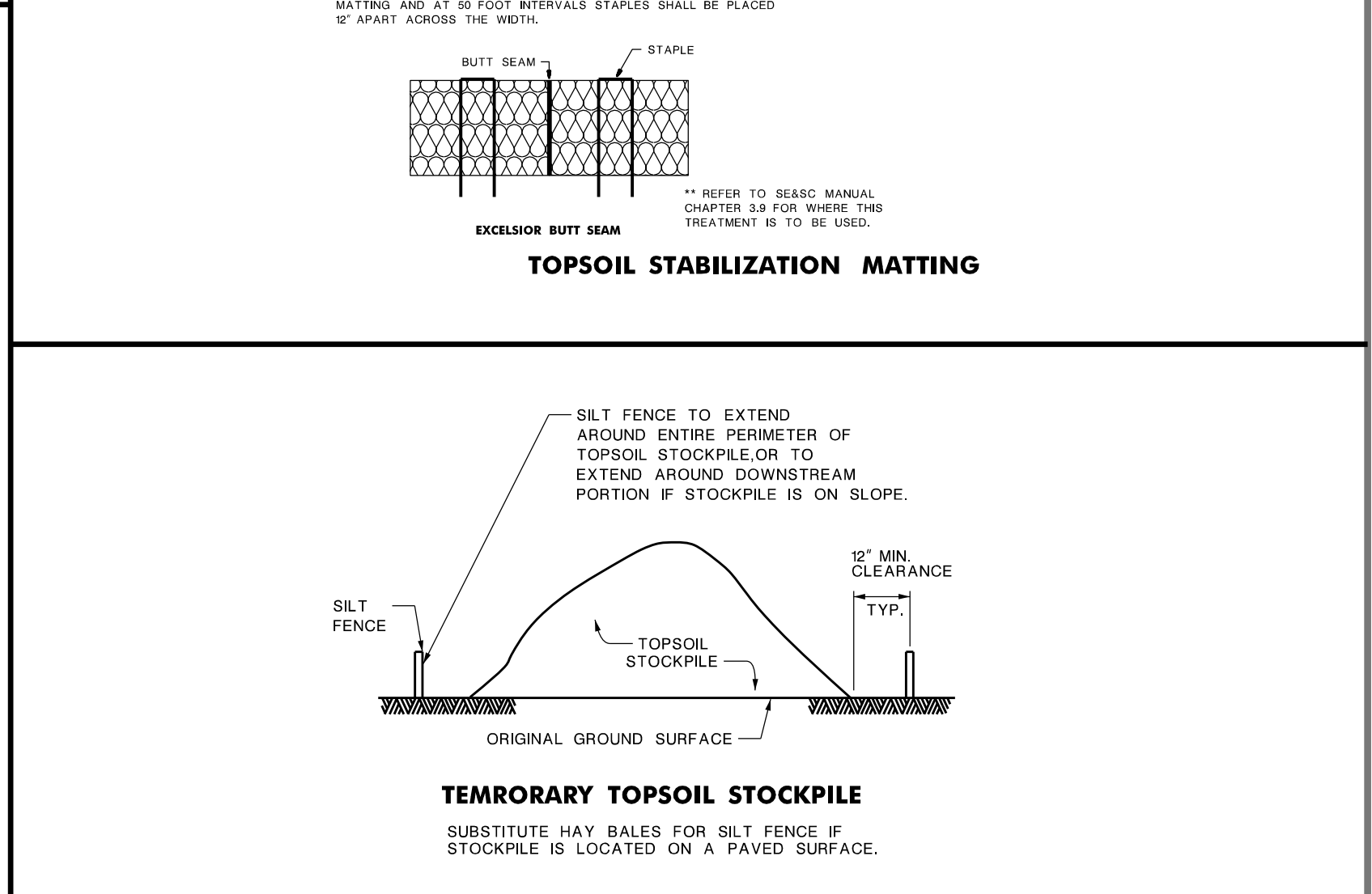
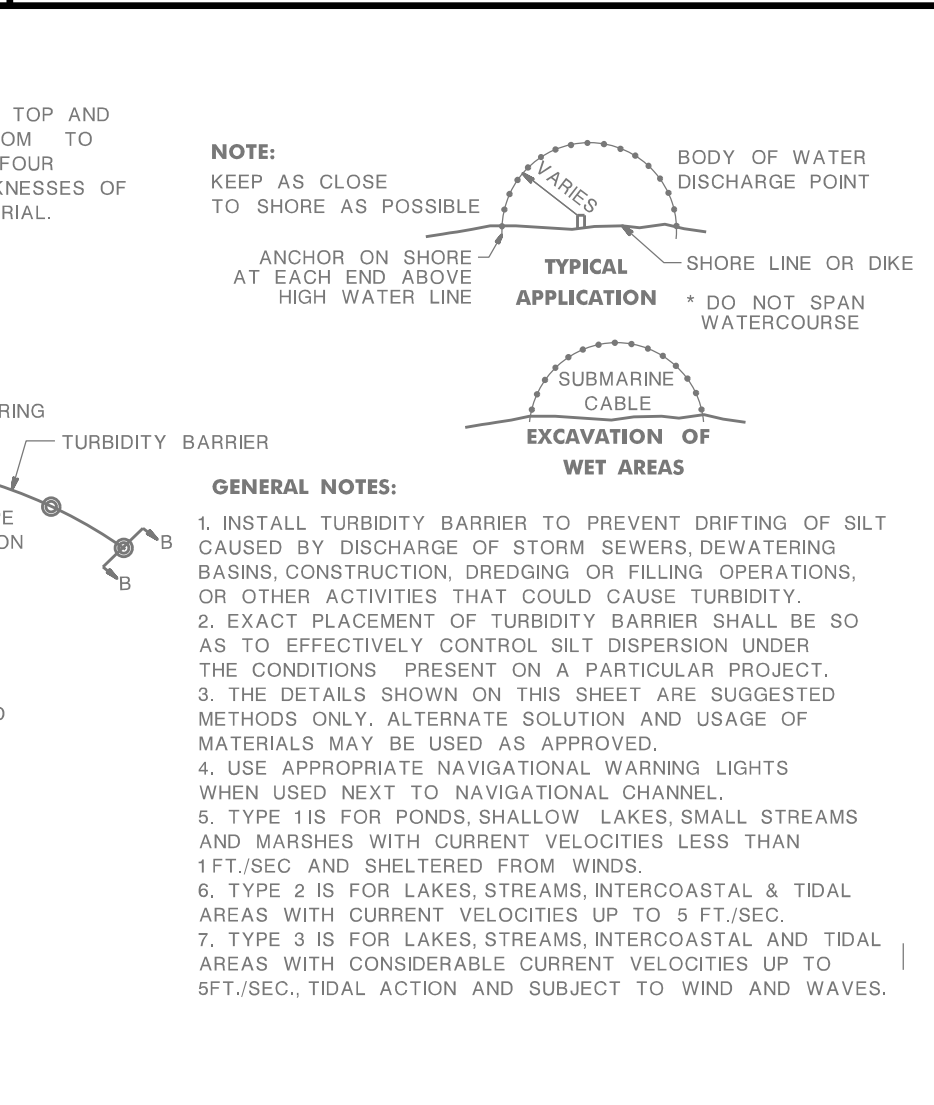
INLET SEDIMENT TRAP



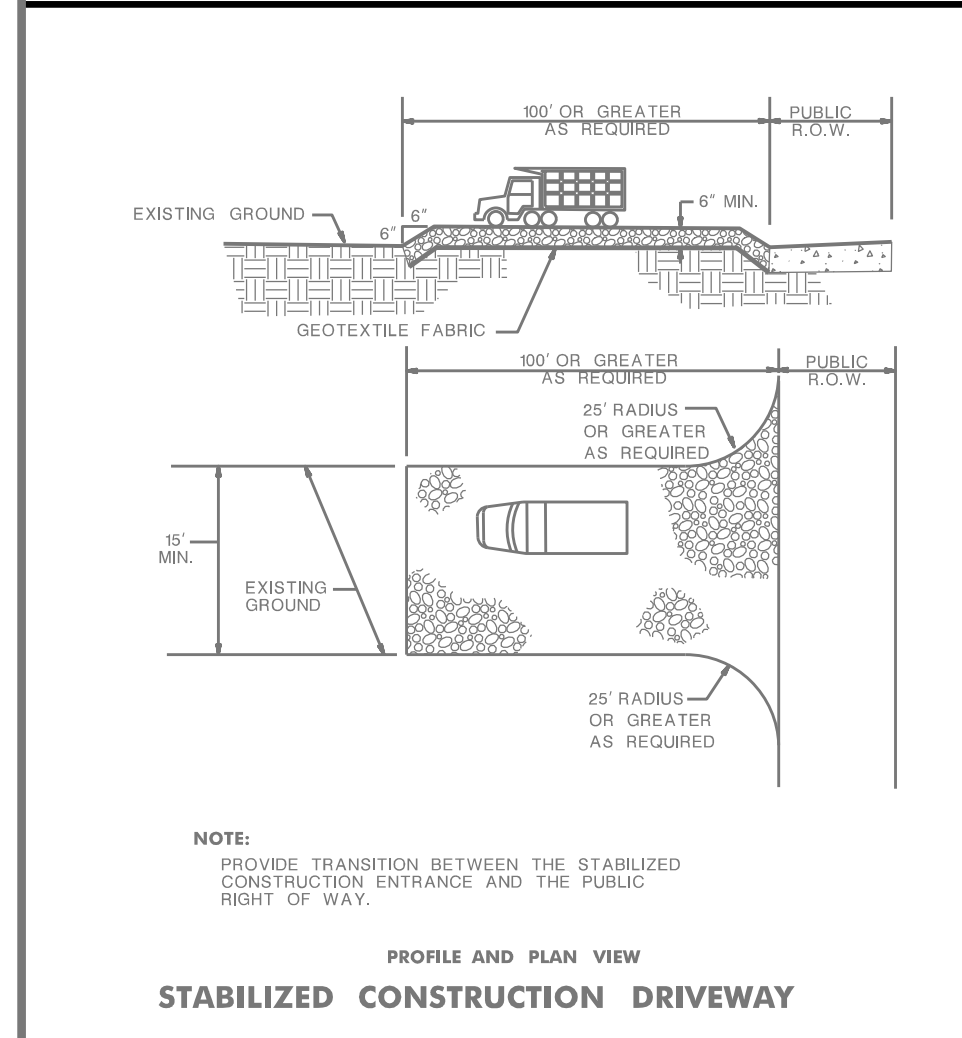
INLET FILTERS, TYPE 2



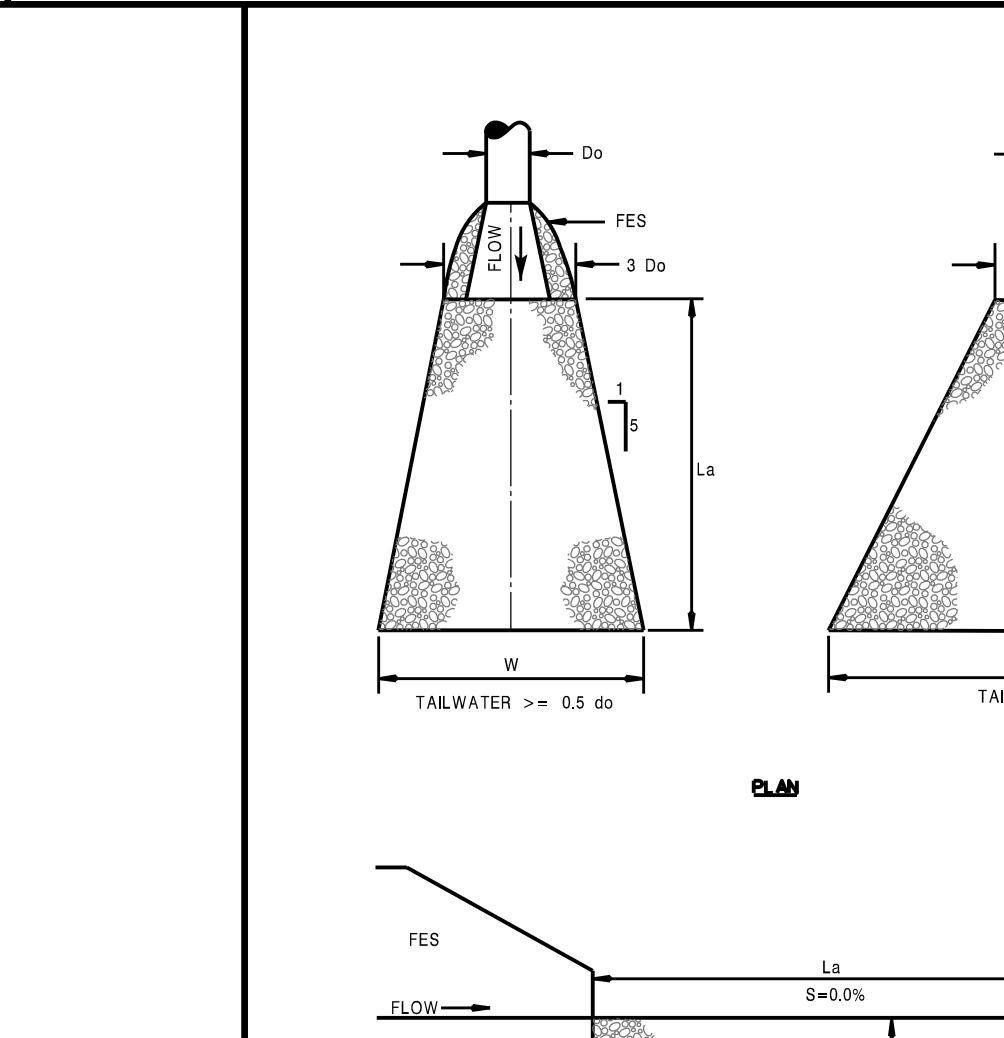
FLOATING TURBIDITY BARRIER



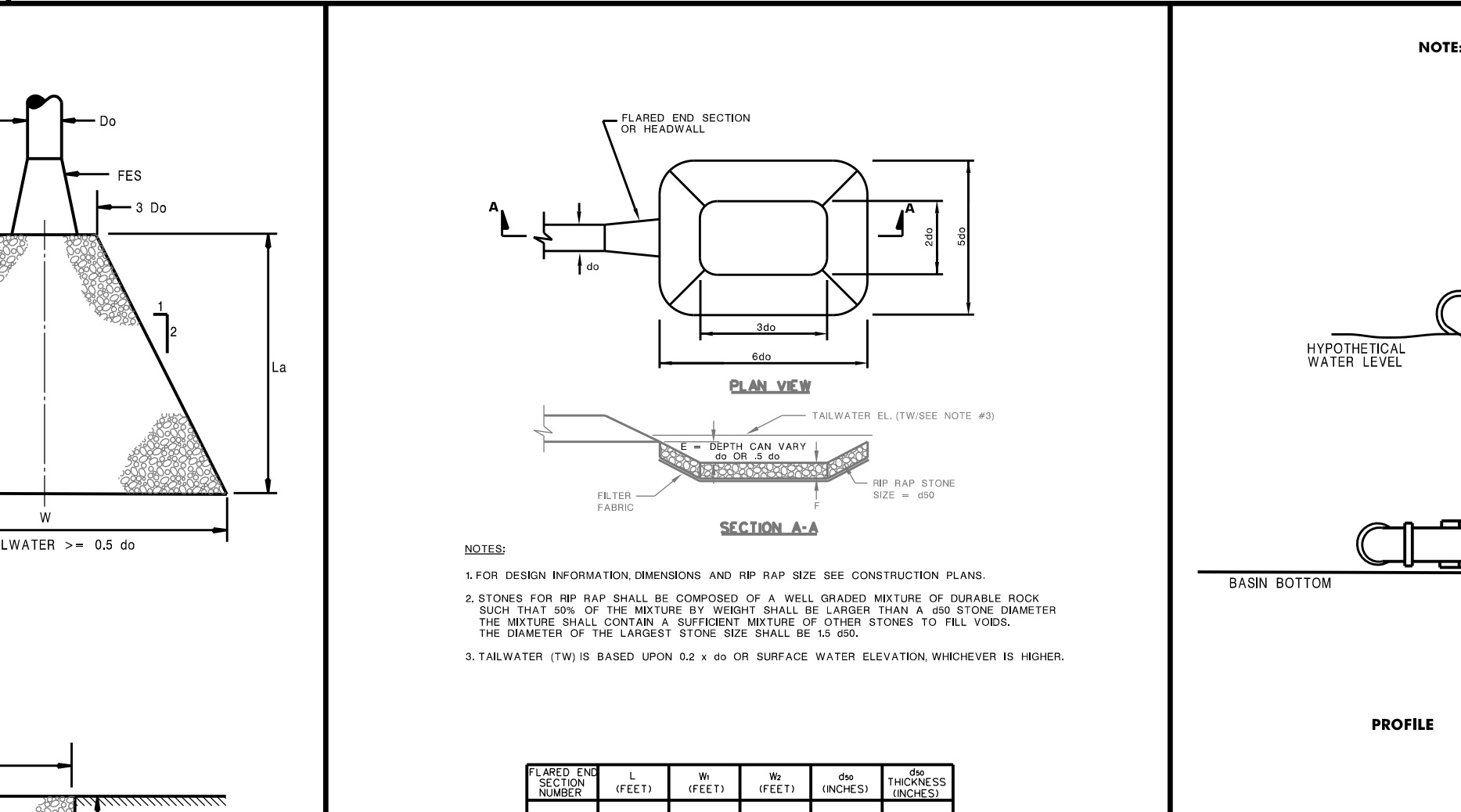
TEMPORARY TOPSOIL STOCKPILE



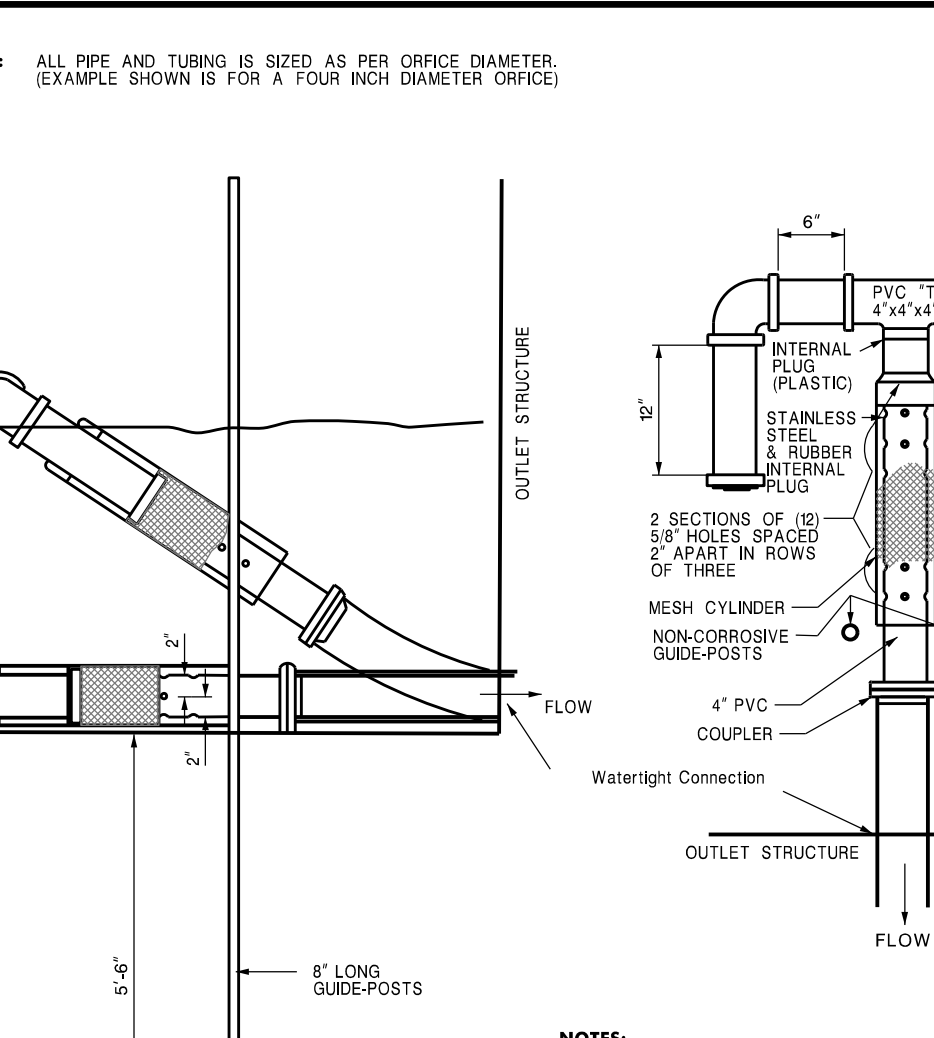
STABILIZED CONSTRUCTION DRIVEWAY



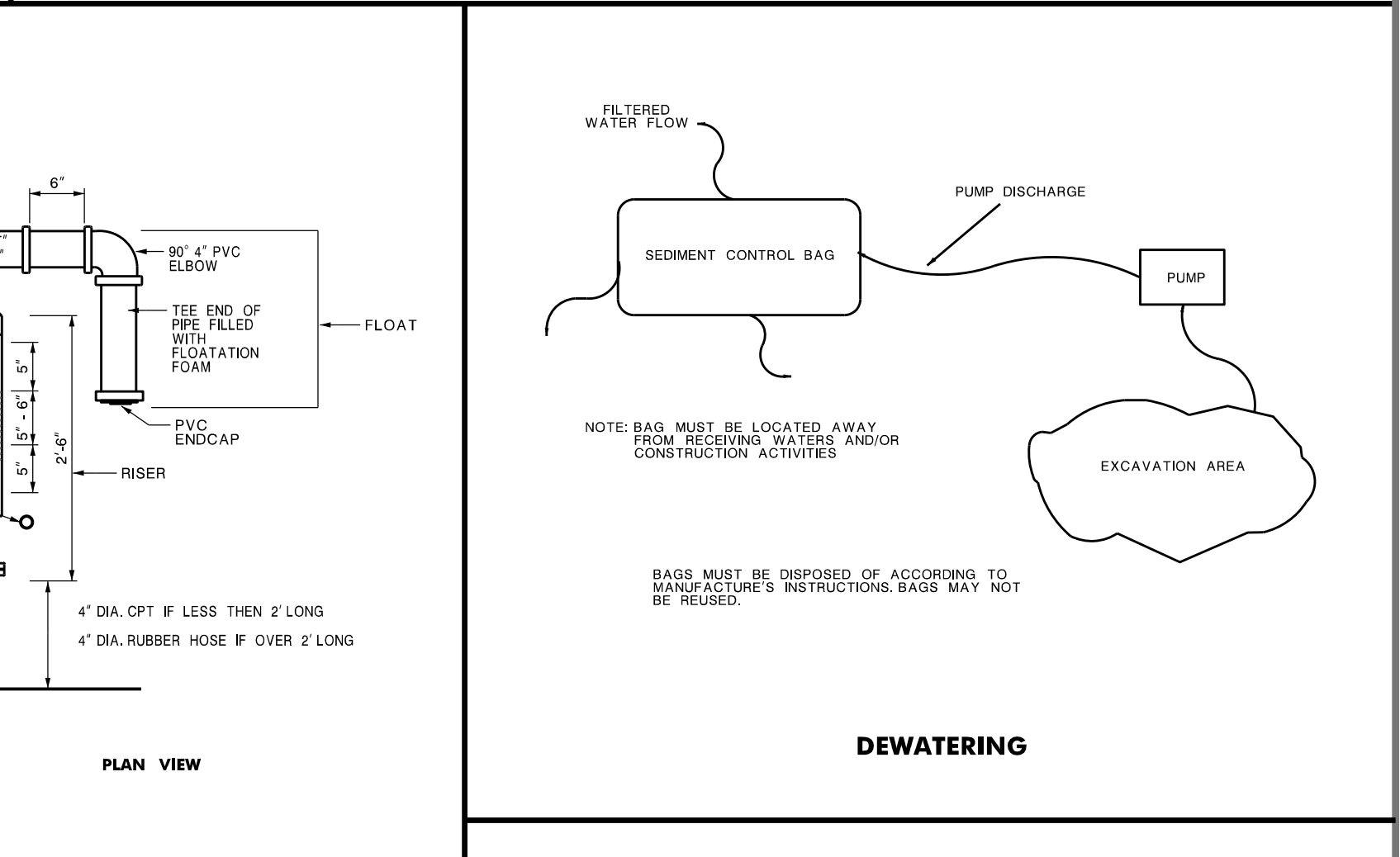
RIP-RAP APRON



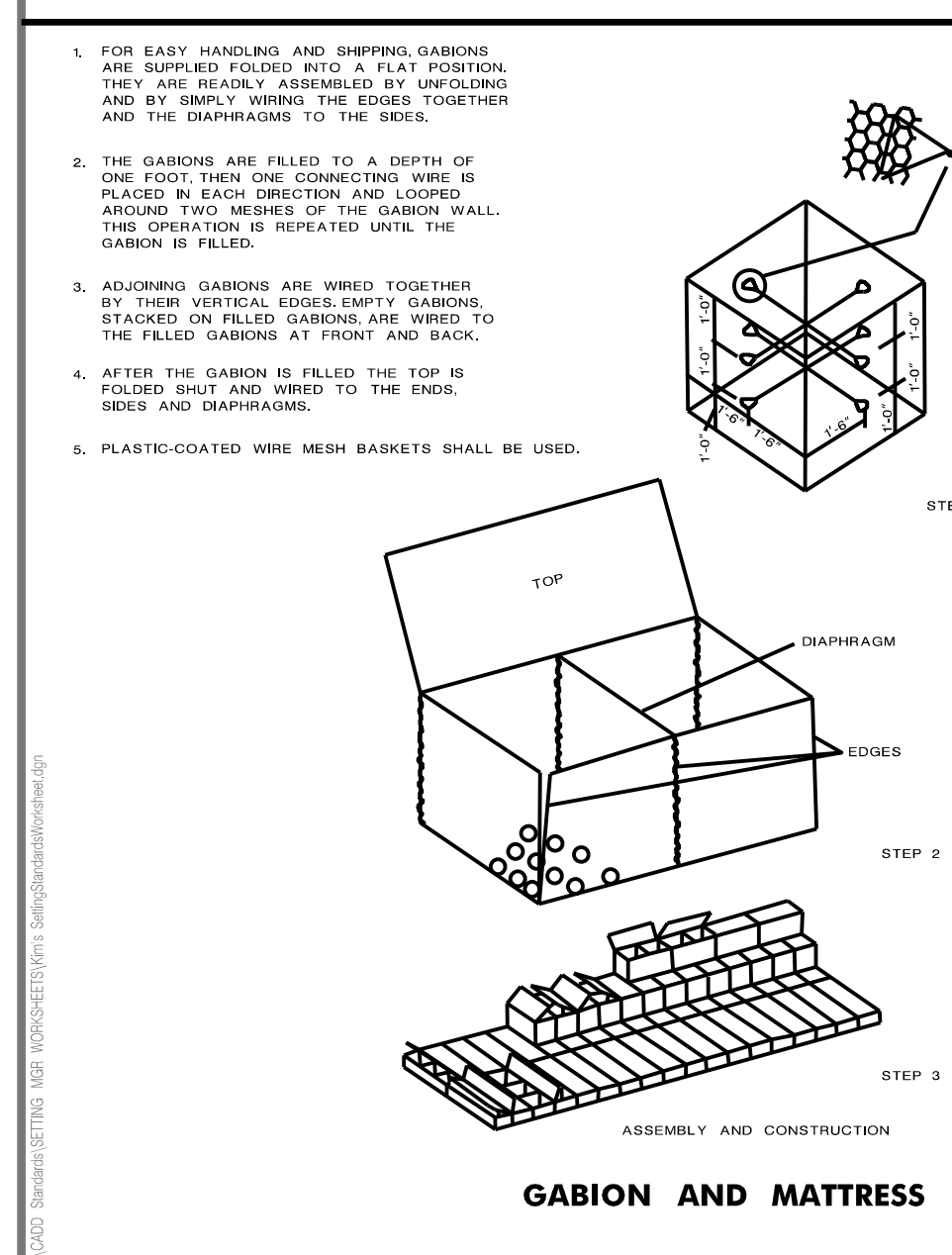
RIP-RAP CHANNEL PROTECTION (SCOUR HOLE)



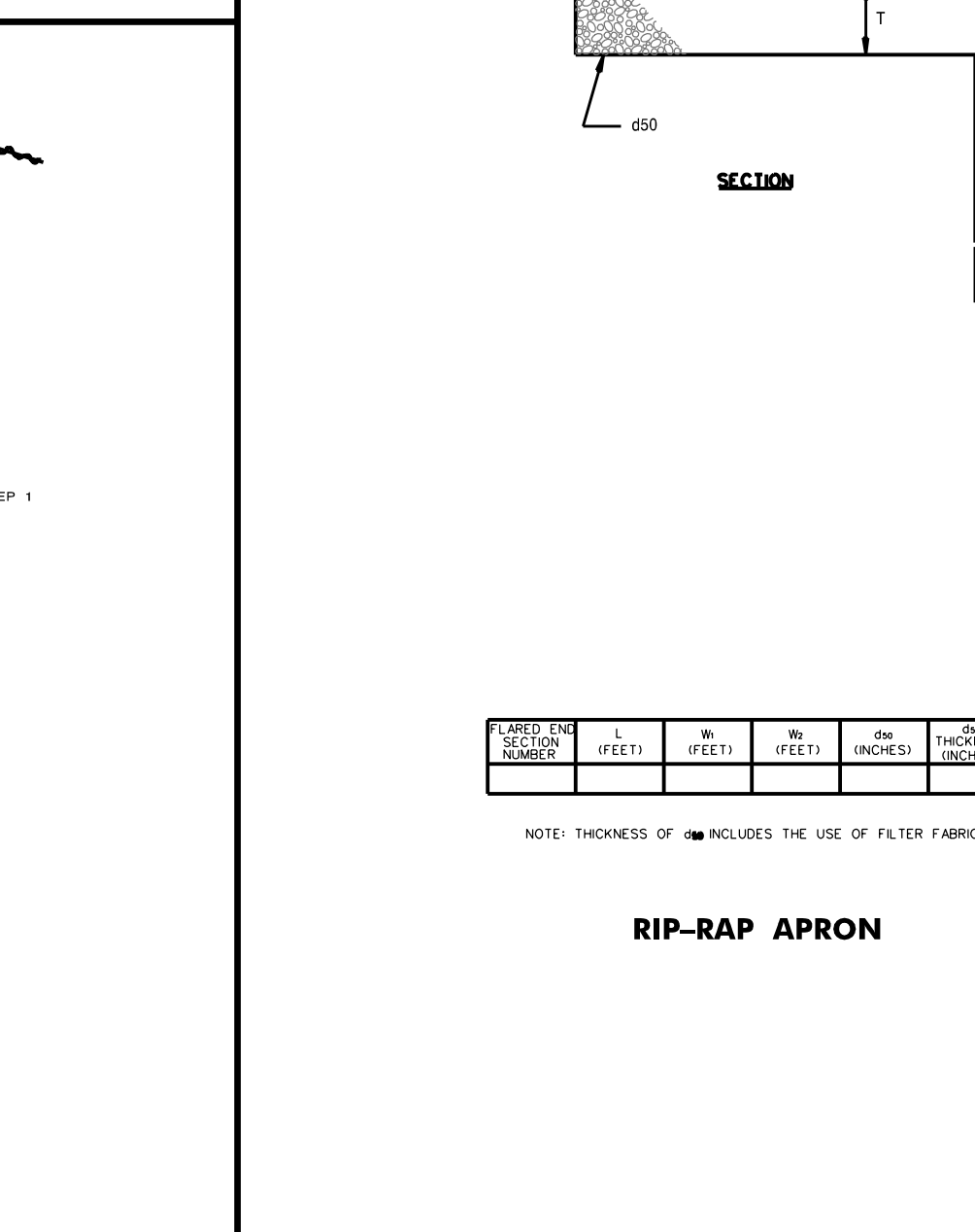
FLOATING RISER DETAIL DEWATERING SEDIMENT BASIN WITH SKIMMER



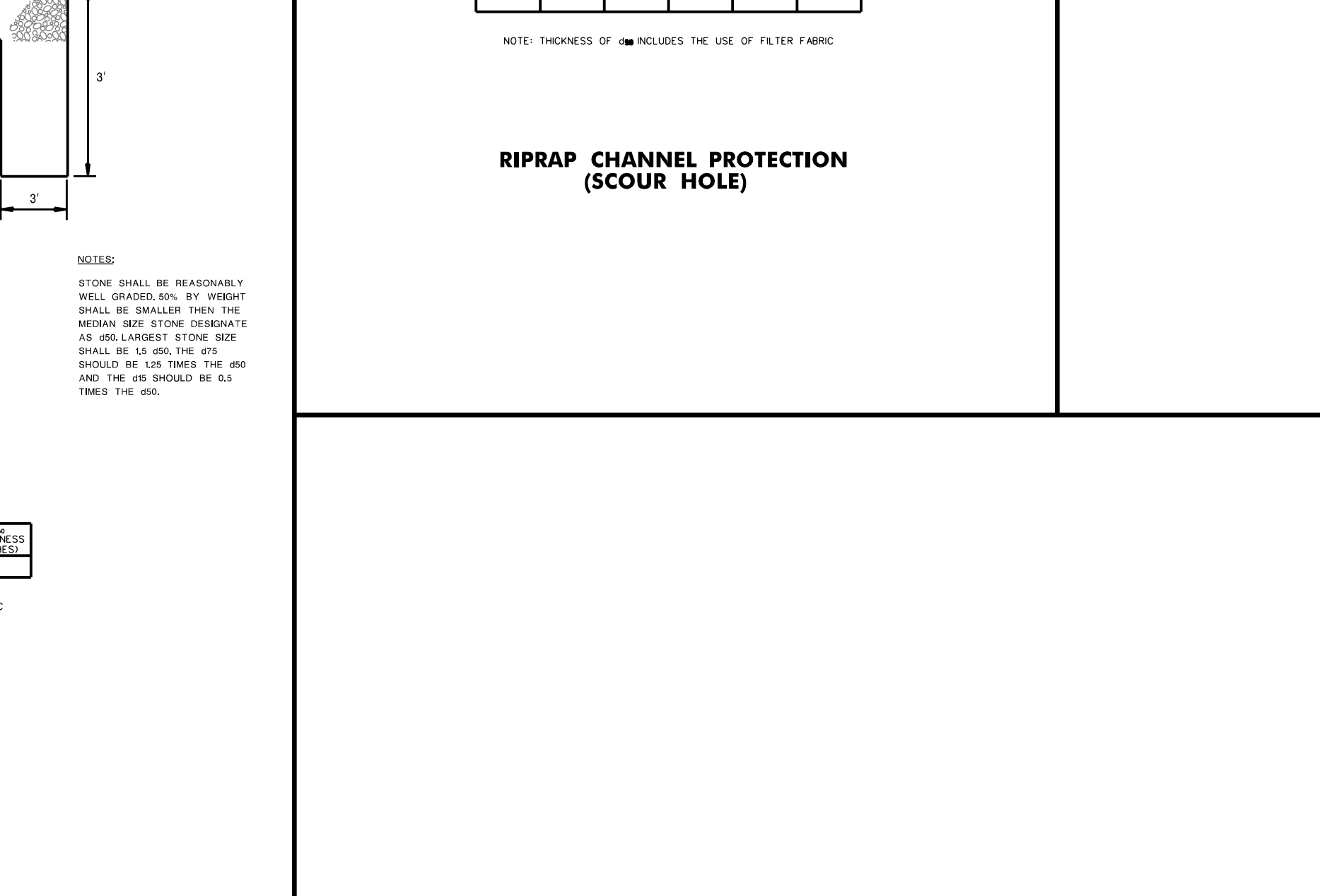
DEWATERING



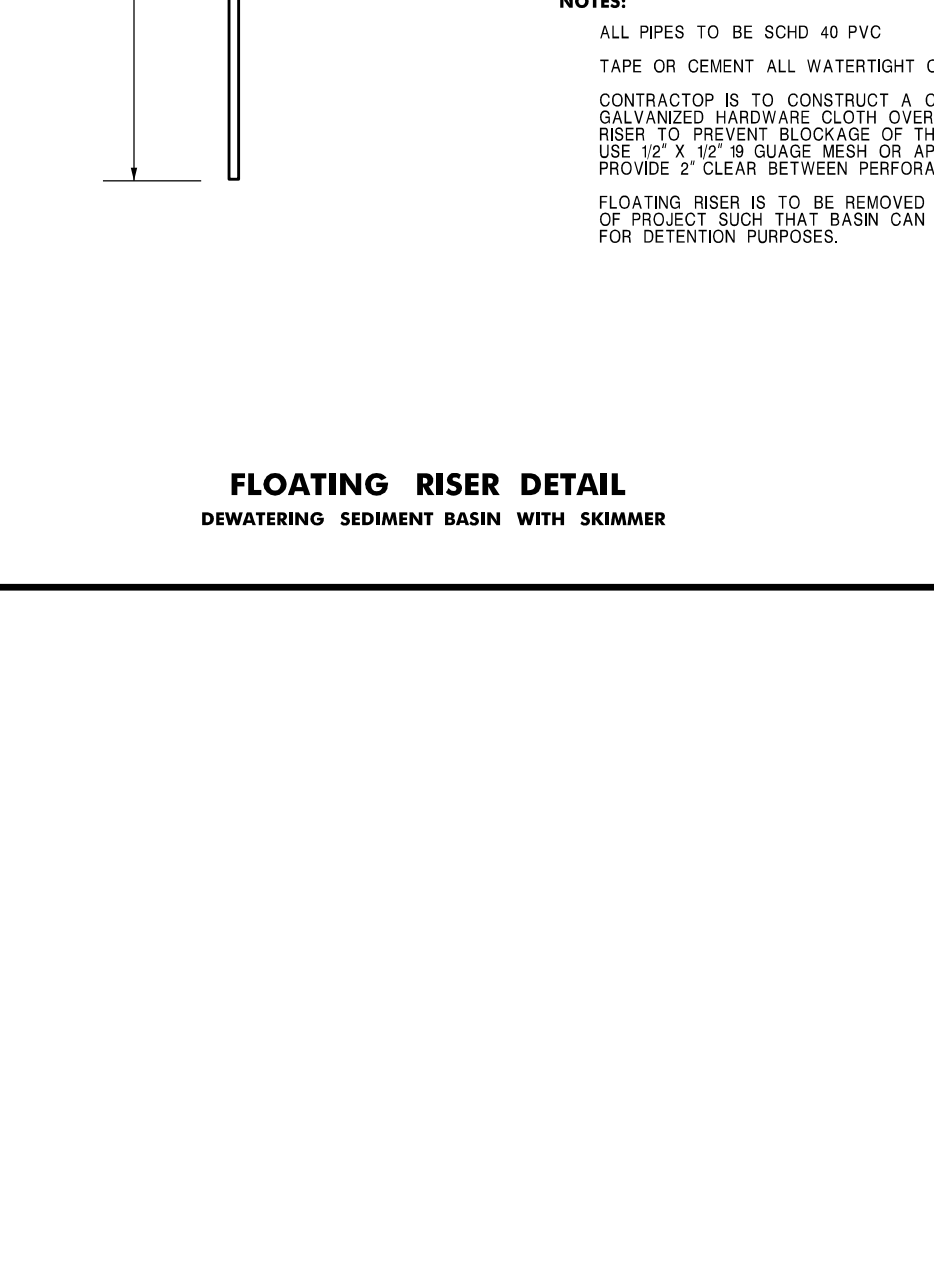
GABION AND MATTRESS



RIP-RAP APRON



RIP-RAP CHANNEL PROTECTION (SCOUR HOLE)



FLOATING RISER DETAIL DEWATERING SEDIMENT BASIN WITH SKIMMER



DEWATERING