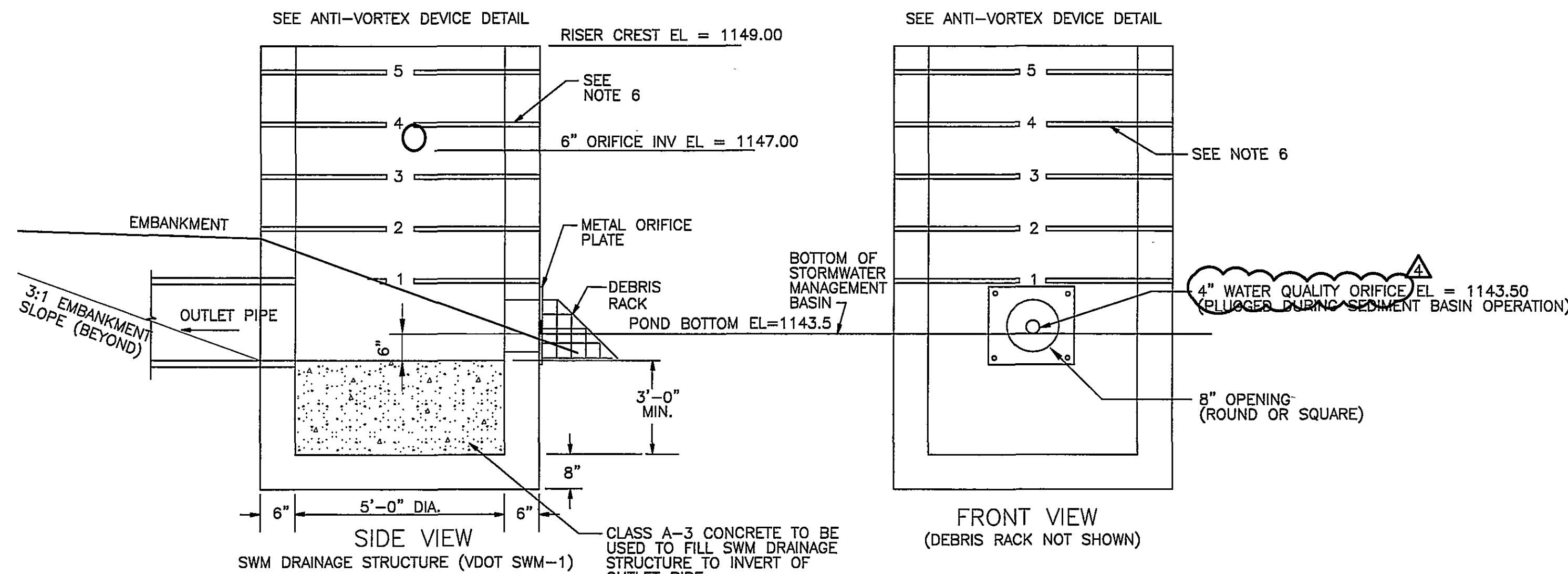
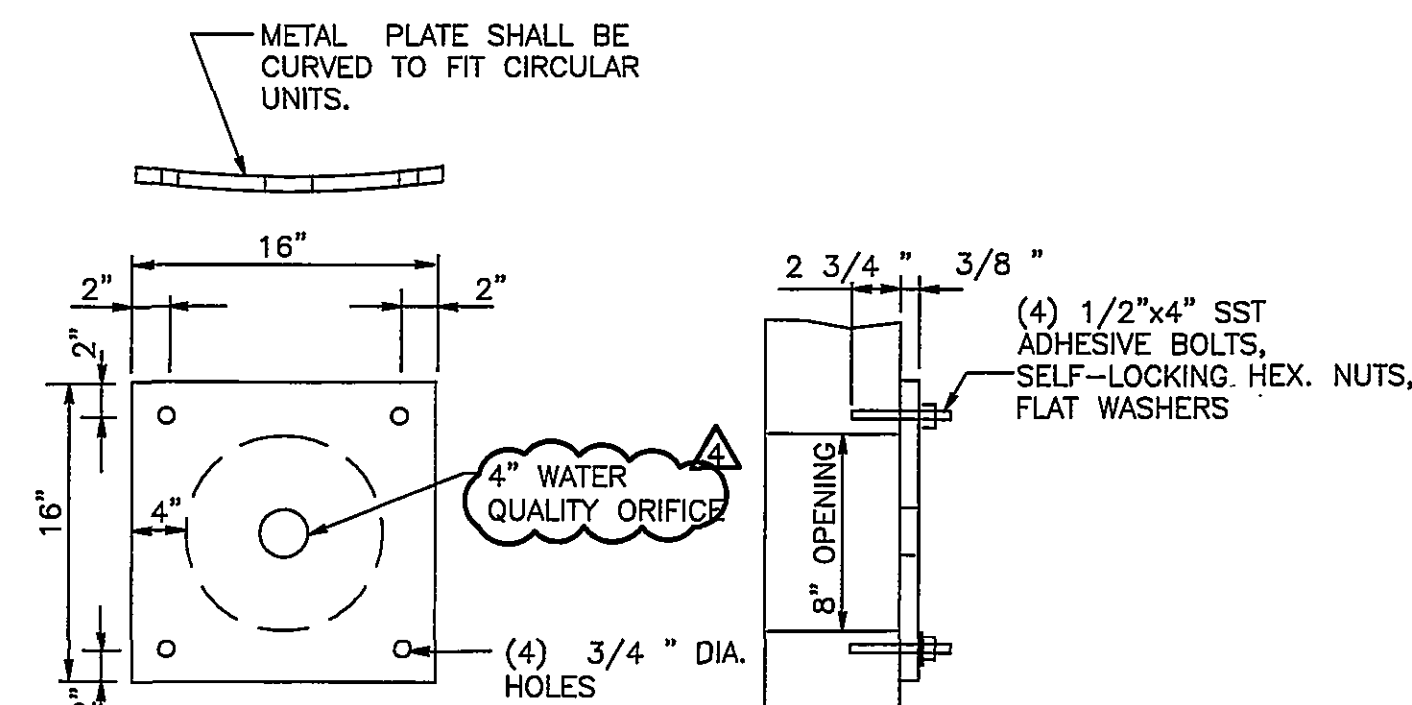


NOTES:

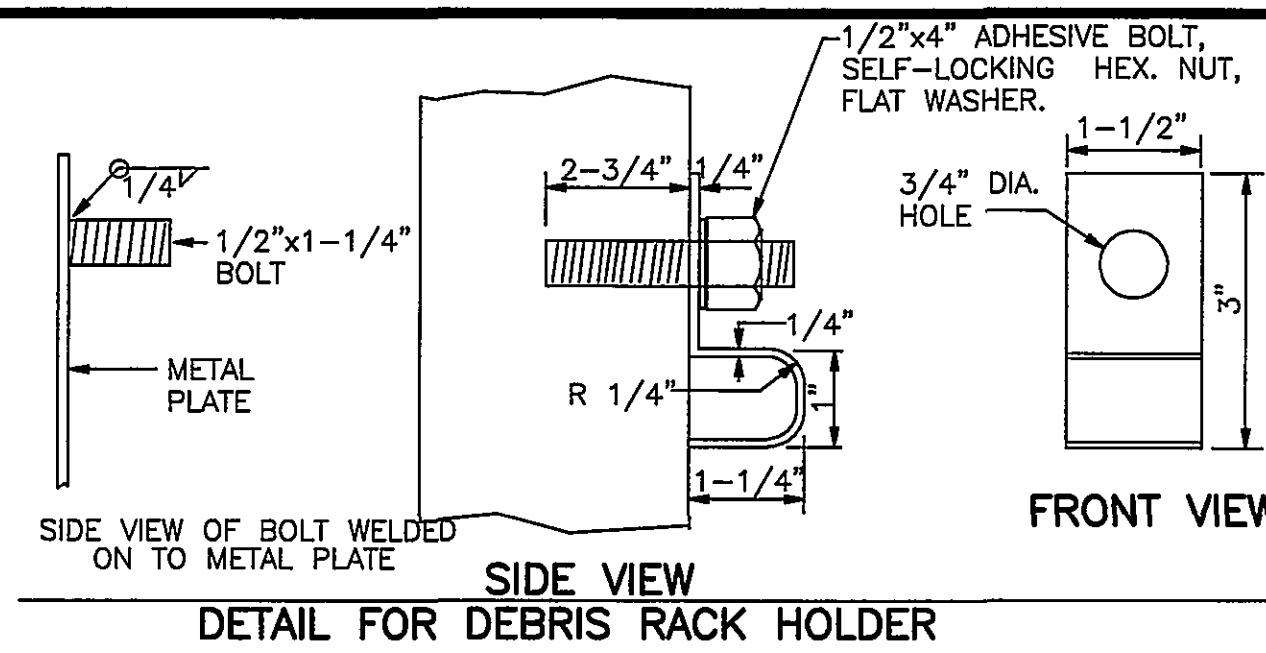
1. NOT USED
2. STRUCTURE MAY BE PRECAST OR CAST IN PLACE.
3. WEEP HOLES SHALL NOT BE PROVIDED. ANY LIFT HOLES SHALL BE PLUGGED.
4. PROVIDE LADDER FOR OWNER
5. NOT USED
6. MARK HEIGHT OF STRUCTURE, IN BLACK, WITH 4" HIGH NUMERALS AND 1" WIDE HORIZONTAL STRIPES AT 1' INTERVALS FROM INVERT OF WATER QUALITY ORIFICE (ALL VISIBLE SIDES).
7. THE PERMANENT STORMWATER MANAGEMENT DRAINAGE STRUCTURE SHALL BE MODIFIED DURING CONSTRUCTION ACCORDING TO THE TEMPORARY SEDIMENT BASIN OUTLET STRUCTURE DETAIL ON SHEET C512.
8. NOT USED



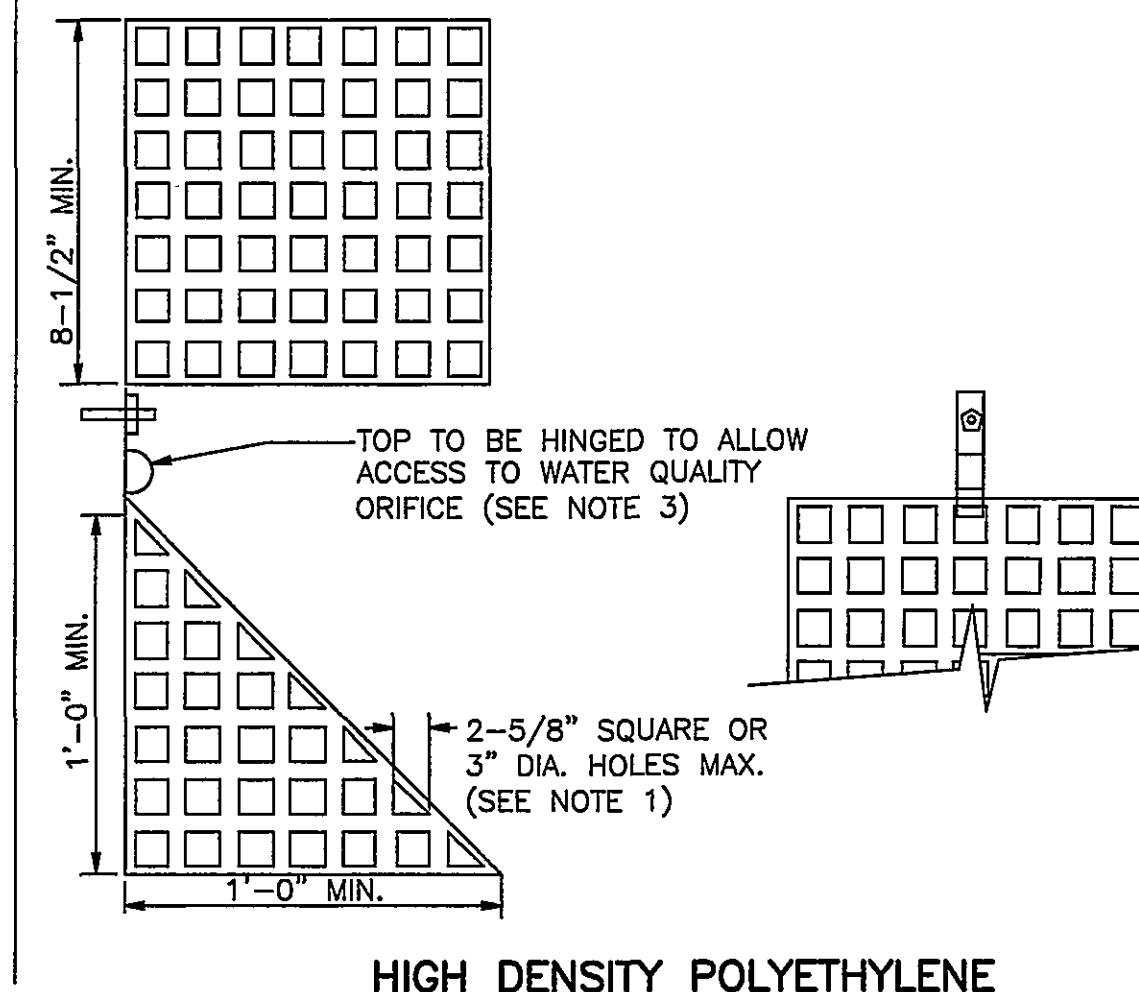
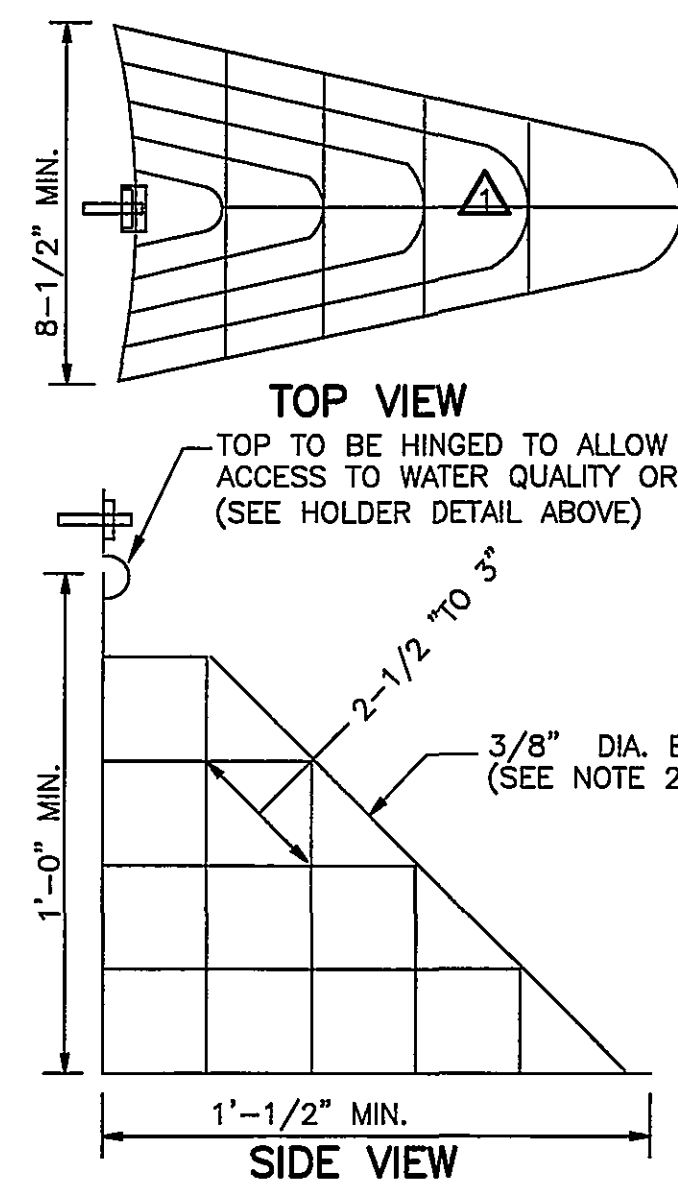
PRECAST STORMWATER MANAGEMENT DRAINAGE STRUCTURE
NO SCALE



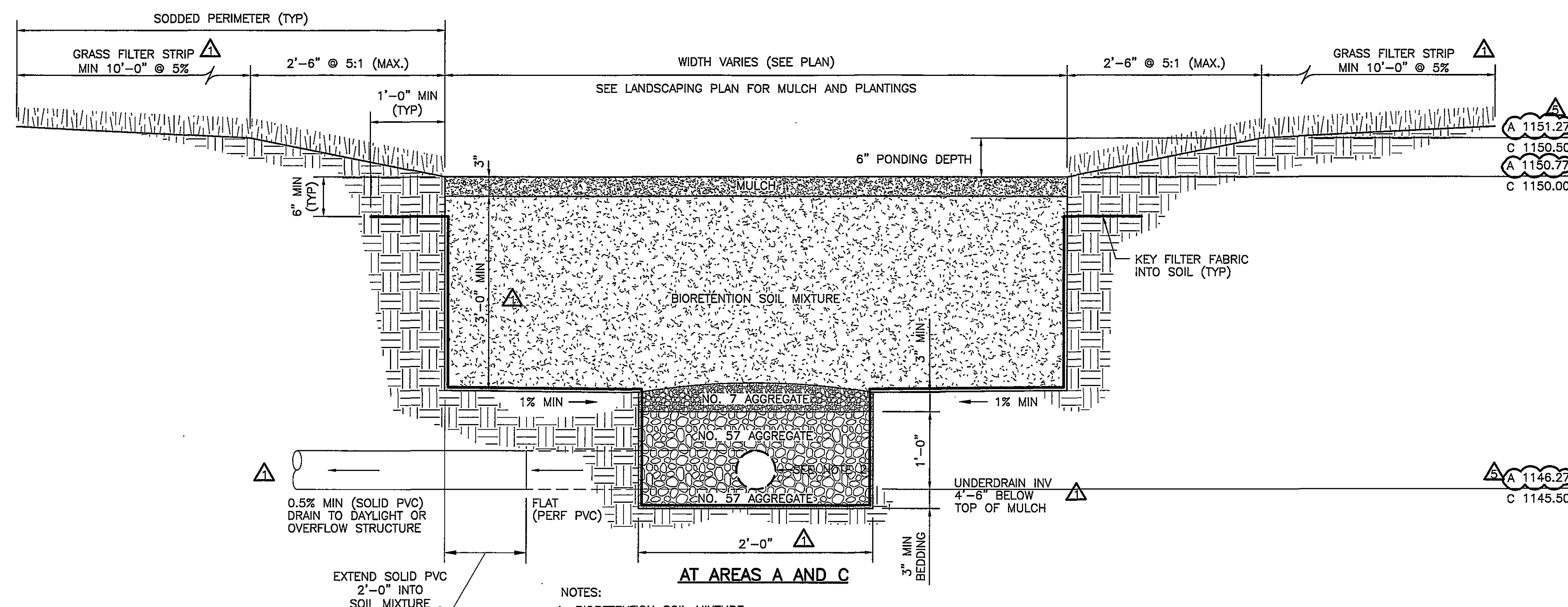
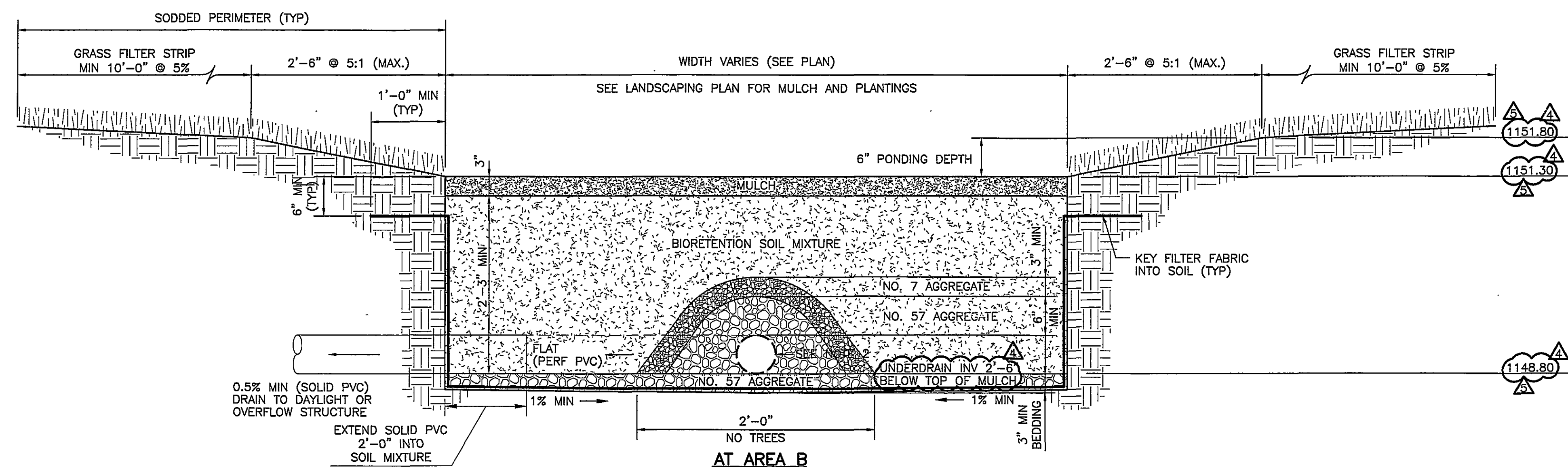
METAL ORIFICE PLATE DETAIL
NO SCALE



1. DEBRIS RACK SHALL BE FABRICATED FROM WELDED 3/8" DIAMETER BARS OR 1/2" THICK HIGH DENSITY POLYETHYLENE (SEE DETAIL THIS SHEET).
2. METAL COMPONENTS OF DEBRIS RACK SHALL NOT BE GALVANIZED BEFORE WELDING. GALVANIZE RACK AFTER FABRICATION.
3. DEBRIS RACK TO BE HINGED AS SHOWN OR CONTRACTOR MAY SUBSTITUTE A COMPARABLE DESIGN AS APPROVED BY THE ENGINEER.
4. THE LOCATION OF THE DEBRIS RACK HOLDER MAY BE ADJUSTED FOR VARIABLE CONDITIONS. WHEN HOLDER BOLT IS LOCATED ON THE METAL PLATE THE 1/2" DIA. BOLT LENGTH IS TO BE REDUCED 1/4" AND WELDED TO THE PLATE. DEBRIS RACK HOLDER AND ALL HARDWARE IS TO BE GALVANIZED AFTER FABRICATION.



DEBRIS RACK DETAIL (FOR WATER QUALITY ORIFICE)
NO SCALE



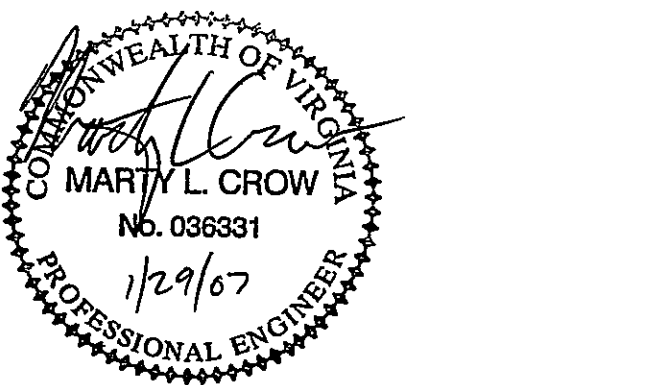
- NOTES:
1. BIORETENTION SOIL MIXTURE
50% SAND (ASTM C33 CONCRETE SAND)
30% FULLY COMPOSTED LEAF COMPOST
20% TOPSOIL (NO GREATER THAN 5% CLAY CONTENT)
 2. UNDERDRAIN SHALL BE 6" PERFORATED PVC, SCHED 40.
 3. TOP ELEVATION OF OUTLET STRUCTURE SHALL BE SET TO MAINTAIN A MINIMUM PONDING DEPTH OF 6 INCHES. CONSTRUCT BERM ON DOWNSTREAM SIDE OF GRATE TO MAXIMIZE INLET INTERCEPTION OF BIORETENTION OVERFLOW. REFER TO GRADING PLAN FOR SPOT ELEVATIONS.
 4. AGGREGATES PER ASTM C33.

BIORETENTION DETAIL (NO GROUNDWATER RECHARGE)
NO SCALE

HSM

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Cookeville, Tennessee

WESTERN VIRGINIA REGIONAL JAIL

WESTERN VIRGINIA REGIONAL JAIL AUTHORITY
ROANOKE COUNTY, VIRGINIA

REV	DATE	DESCRIPTION	APP
1	10/02/06	ADDENDUM 1	JMC
3	10/24/06	ADDENDUM 3	JMC
4	11/14/06	REVIEW COMMENTS	JMC
5	01/29/07	GENERAL REVISIONS	JMC

COMM NO: 10075
ISSUE DATE: FEBRUARY 1, 2007
DESIGNED BY: SMS DRAWN BY: SMS
CHECKED BY: MLC SUBMITTED BY: JMC
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CIVIL

SWM DETAILS

C506