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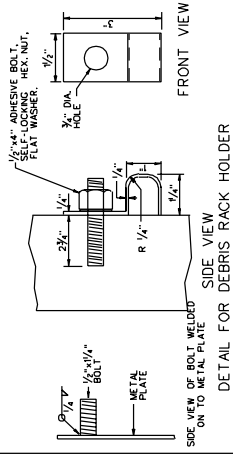
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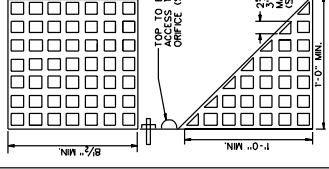
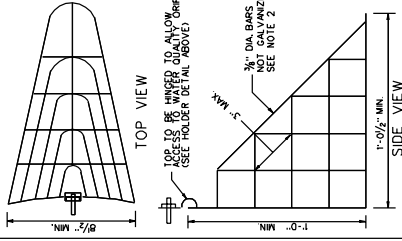
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SWM-DR



1. COST OF DEBRIS RACK METAL PLATE AND DEBRIS RACK FOR THE SWM DRAINAGE STRUCTURE.
2. DEBRIS RACK MAY BE FABRICATED FROM WELDED METAL OR HIGH DENSITY POLYETHYLENE. METAL COMPONENTS OF DEBRIS RACK MUST NOT BE GALVANIZED.
3. CONTRACTOR MAY SUBSTITUTE A COMPARABLE DESIGN AS APPROVED BY THE ENGINEER.
4. METAL PLATE MUST BE GALVANIZED.
5. WHEN HOLDER BOLT IS LOCATED ON THE METAL PLATE, IT SHALL BE WELDED TO THE METAL PLATE AND WELDED TO THE PLATE. ALL HARDWARE IS TO BE GALVANIZED.



SHEET 2 OF 5

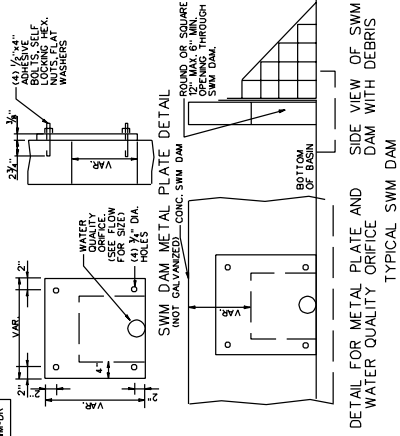
REV. 3/03
116.05

STORMWATER MANAGEMENT (SWM) DETAILS

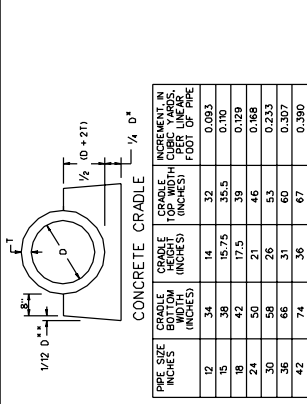
DEBRIS RACK, METAL PLATE, WATER QUALITY ORIFICE, CONCRETE CRADLE (FOR SWM DRAINAGE STRUCTURES, SWM DAMS)
VIRGINIA DEPARTMENT OF TRANSPORTATION

SPECIFICATION REFERENCE
302

SWM-DR

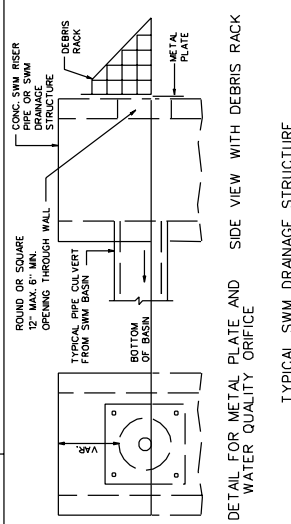
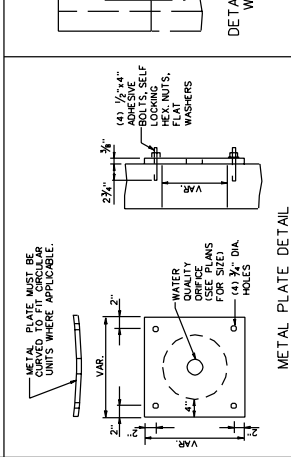


SWM-DR



PIPE SIZE (INCHES)	CRADLE WIDTH (INCHES)	CRADLE DEPTH (INCHES)	INCREMENT IN CRADLE THICKNESS PER LINEAR FOOT OF PIPE (INCHES)
12	34	14	32
15	38	15.75	35.5
18	42	17.5	39
24	50	21	46
30	58	26	53
36	66	31	60
42	74	36	67

CONCRETE SHALL BE CLASS A3
IF THE PILES ARE IN AN EXCAVATED TRENCH, THEN THE SIDE WALLS MAY CONFORM TO THE TRENCH SHAPE (IE THE TRENCH MAY BECOME THE CRADLE FORM).
CONCRETE CRADLE IS TO BE INSTALLED UNDER THE ENTIRE LENGTH OF COLVERT AT EACH STORMWATER MANAGEMENT BASIN.
CONCRETE CRADLE SHALL BE 12" WIDE AND 12" HIGH FOR EACH PIPE LOCATION
CONCRETE SHALL BE SUMMARIZED IN CUBIC YARDS FOR EACH PIPE LOCATION



SHEET 3 OF 5
(NOT GALVANIZED)
REV. 3/03
116.06

SPECIFICATION REFERENCE
302

STORMWATER MANAGEMENT (SWM) DETAILS

DEBRIS RACK, METAL PLATE, WATER QUALITY ORIFICE, CONCRETE CRADLE (FOR SWM DRAINAGE STRUCTURES, SWM RISER PIPES AND SWM DAMS)
VIRGINIA DEPARTMENT OF TRANSPORTATION

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISION	DATE	REVISION MADE	BY	DATE	PROJECT	NO.
	11/01					

REV. 3/03
SPECIAL DESIGN SECTION
DRAWING NO. 2209

DATE	PROJECT	NO.	NO.