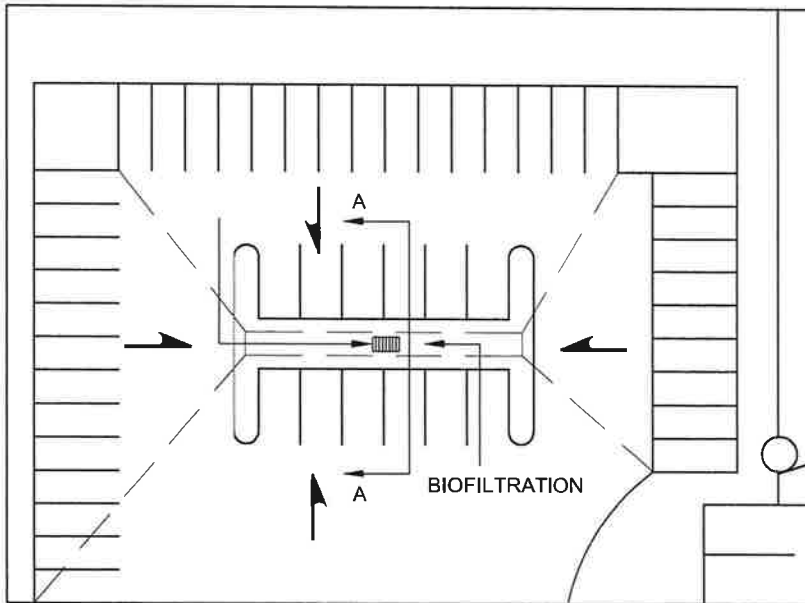


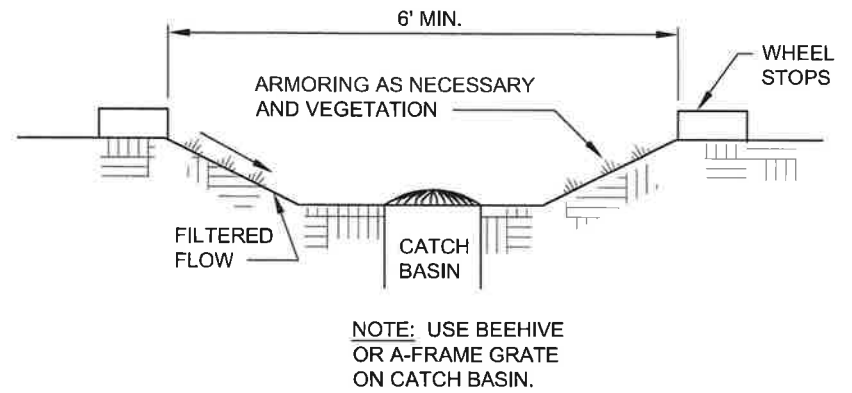
SECTION B
QUALITY DESIGN DETAILS

<u>DETAIL</u>	<u>HEADING</u>
1.0	Parking Lot Conveyance System
2.0	Water Quality Biofiltration Swale
3.0	Typical Wet Pond
4.0	Typical Wet Pond - Type Detention BMP - Schematic
5.0	Wet Pond (Nutrient Control)
6.0	Presettling Basin - Schematic
7.0	Basin Configurations with Baffles
8.0	Isolation/Diversion Structure - Schematic
9.0	Isolation/Diversion Structure - Schematic
10.0	Perforated Riser Pipe Outlet Structure w/Trash Rack - Schematic
11.0	Gravel Cone W/Riser Detail
12.0	Sand Filtration System - Configuration
13.0	Sand Filtration System - Schematic
14.0	Water Quality Infiltration Trench System - Schematic
15.0	Oil/Water Separation w/Orifice Control and w/Notch Control

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PLAN



NOTE: USE BEEHIVE OR A-FRAME GRATE ON CATCH BASIN.

SECTION A-A



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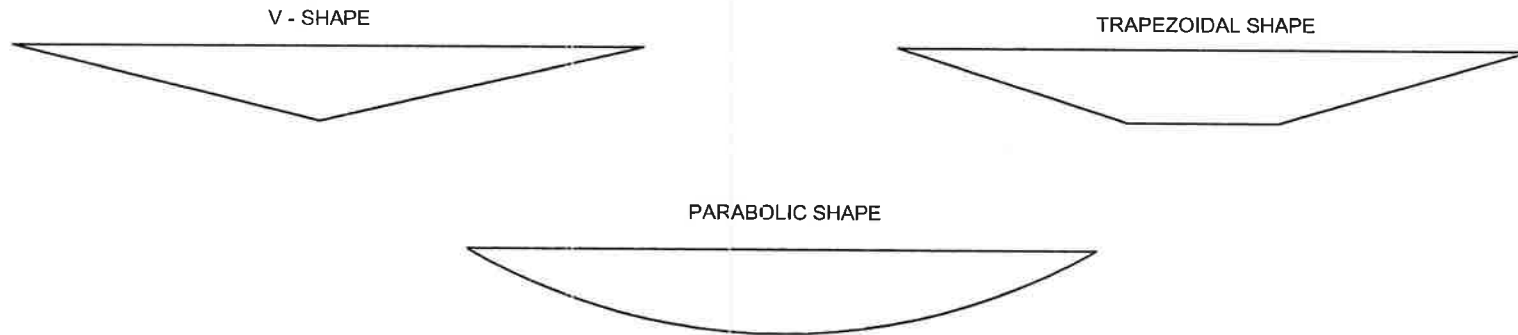
**PARKING LOT
CONVEYANCE SYSTEM**

Surface Water Management Division

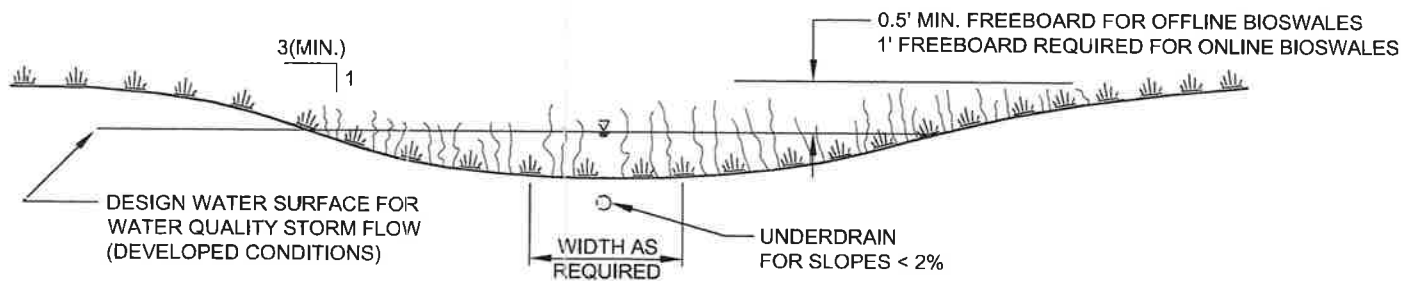
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1.0

TYPICAL CHANNEL SECTION



NOTE:
REFER TO
VOLUME V
TABLE 8.1.



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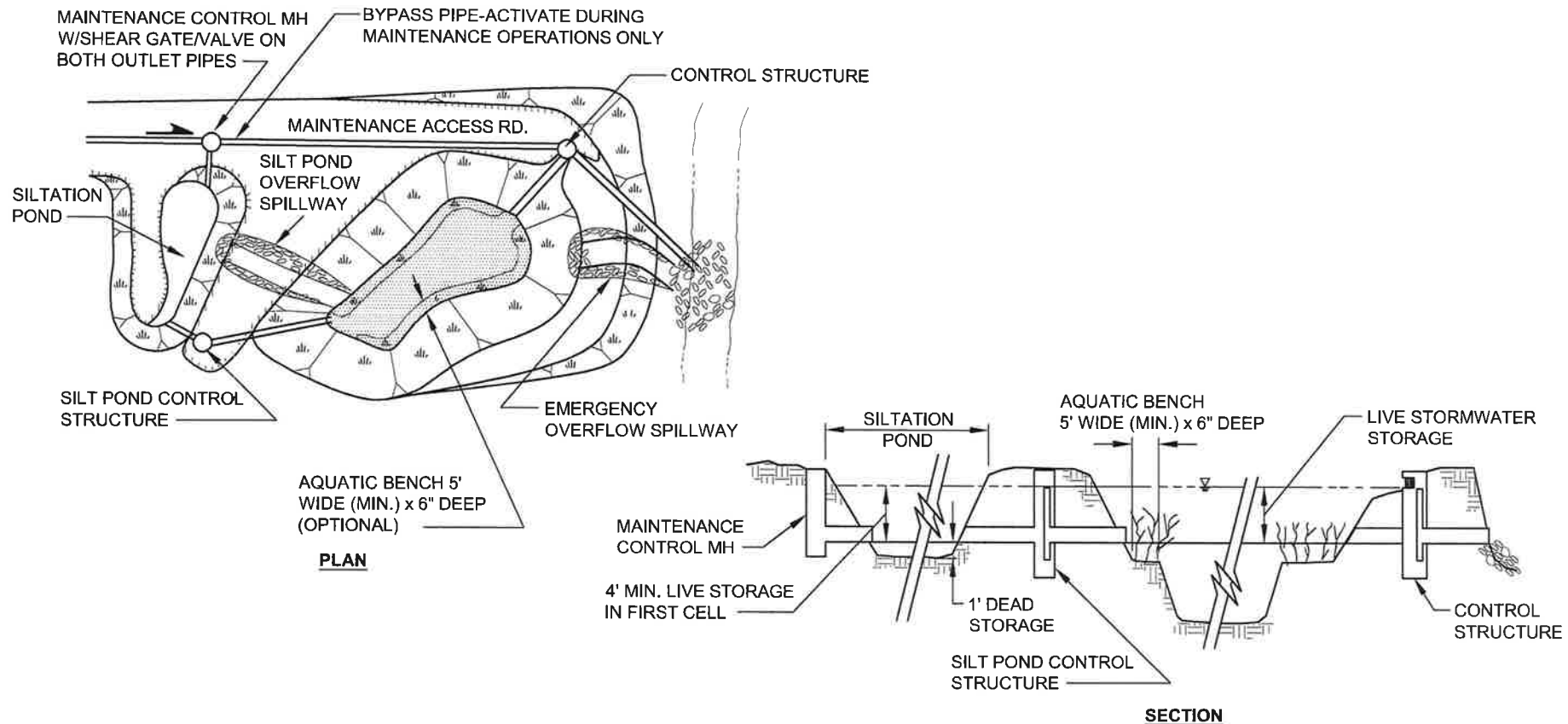
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**WATER QUALITY
BIOFILTRATION SWALE**

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2.0



PLAN

SECTION



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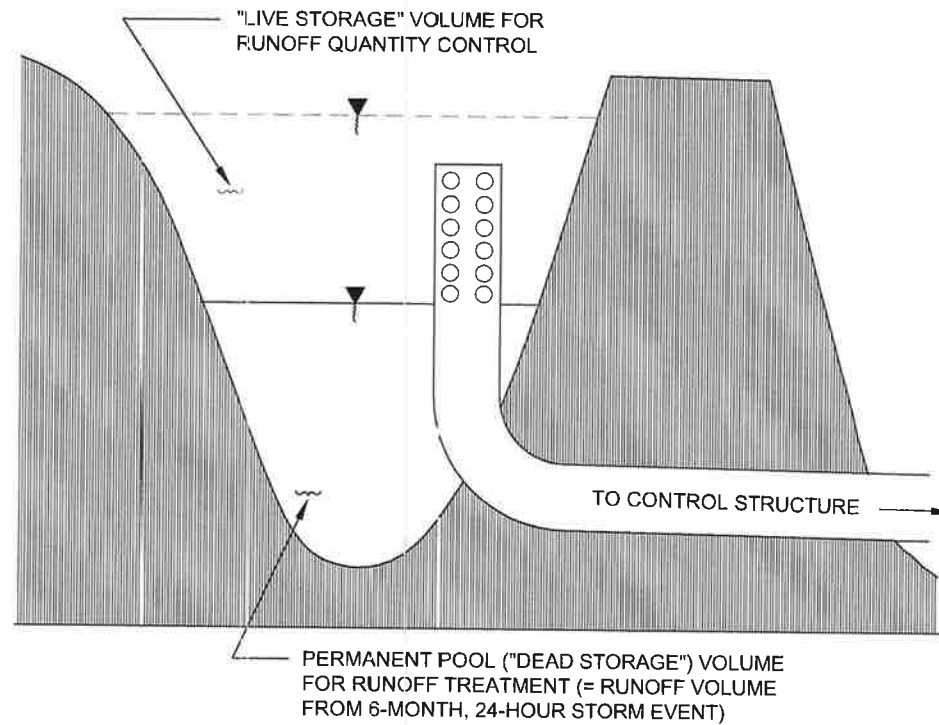
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TYPICAL WET POND

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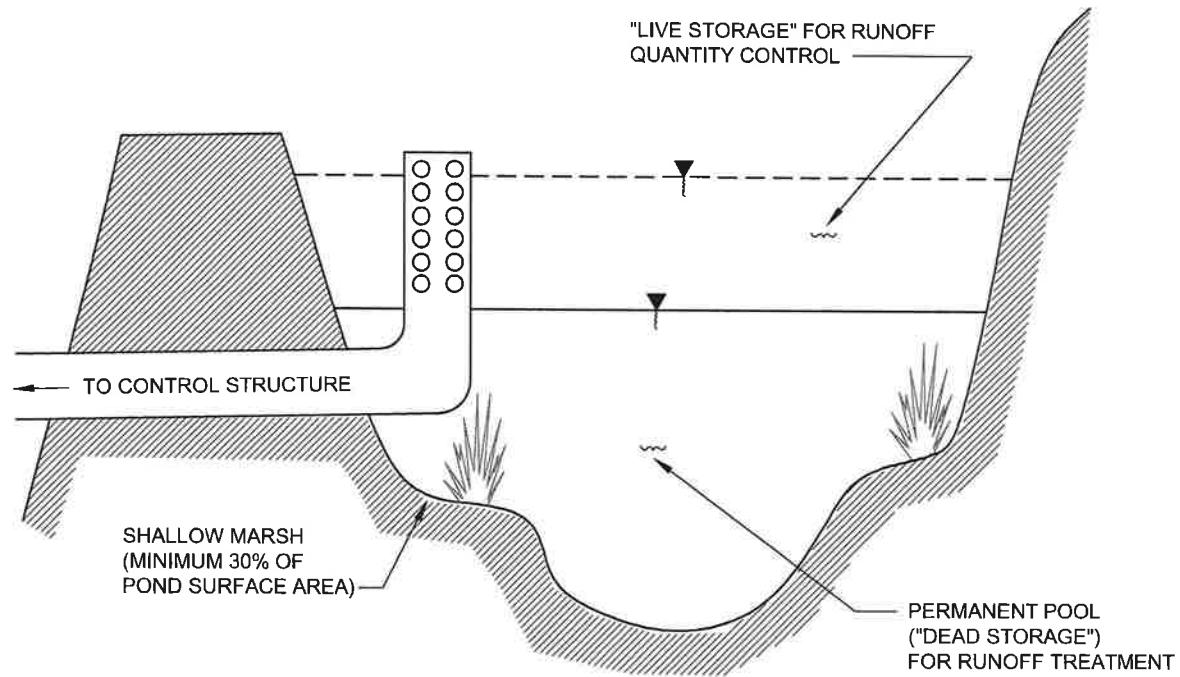
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**TYPICAL WET POND - TYPE
 DETENTION BMP -
 SCHEMATIC**

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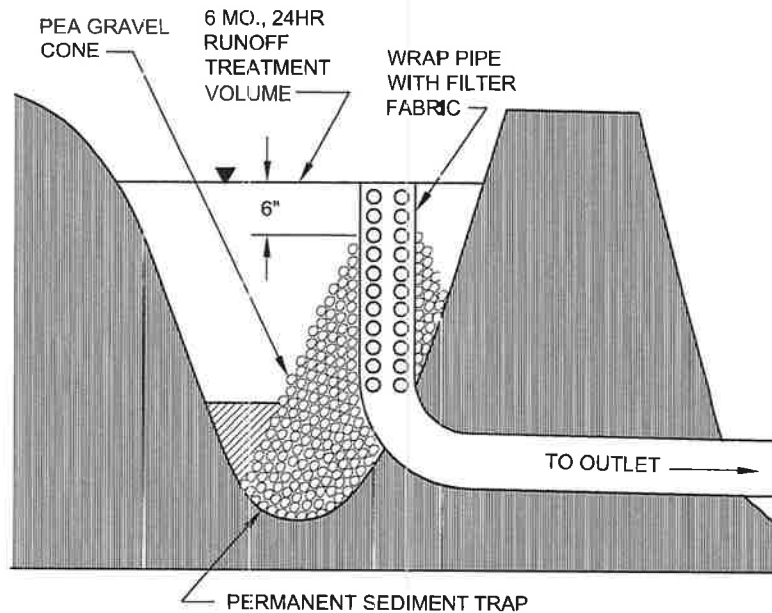
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WET POND (NUTRIENT CONTROL)

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5.0



NOTE:

NO RUNOFF QUANTITY CONTROL IS PROVIDED BY THIS BMP.



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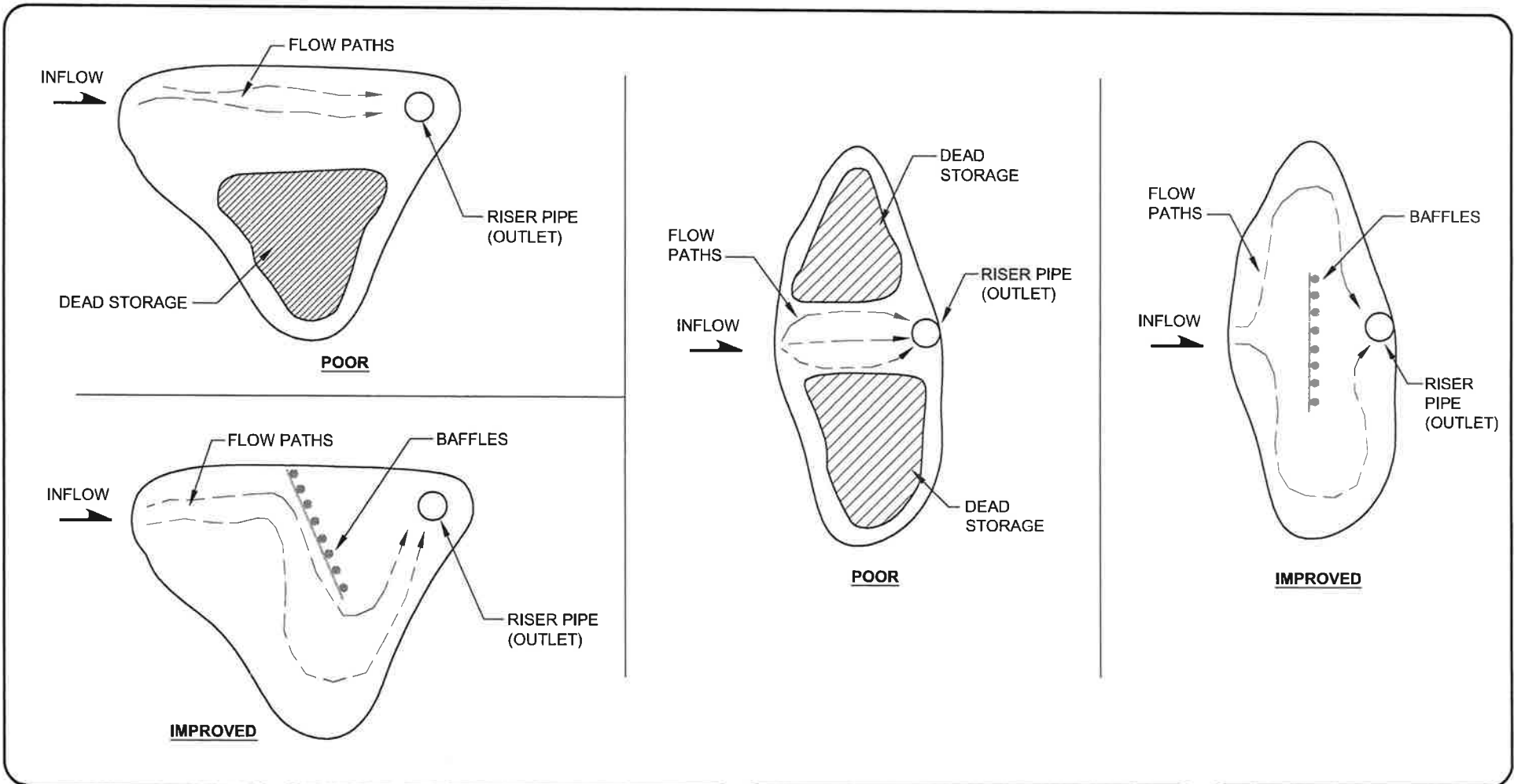
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PRESETTLING BASIN - SCHEMATIC

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6.0



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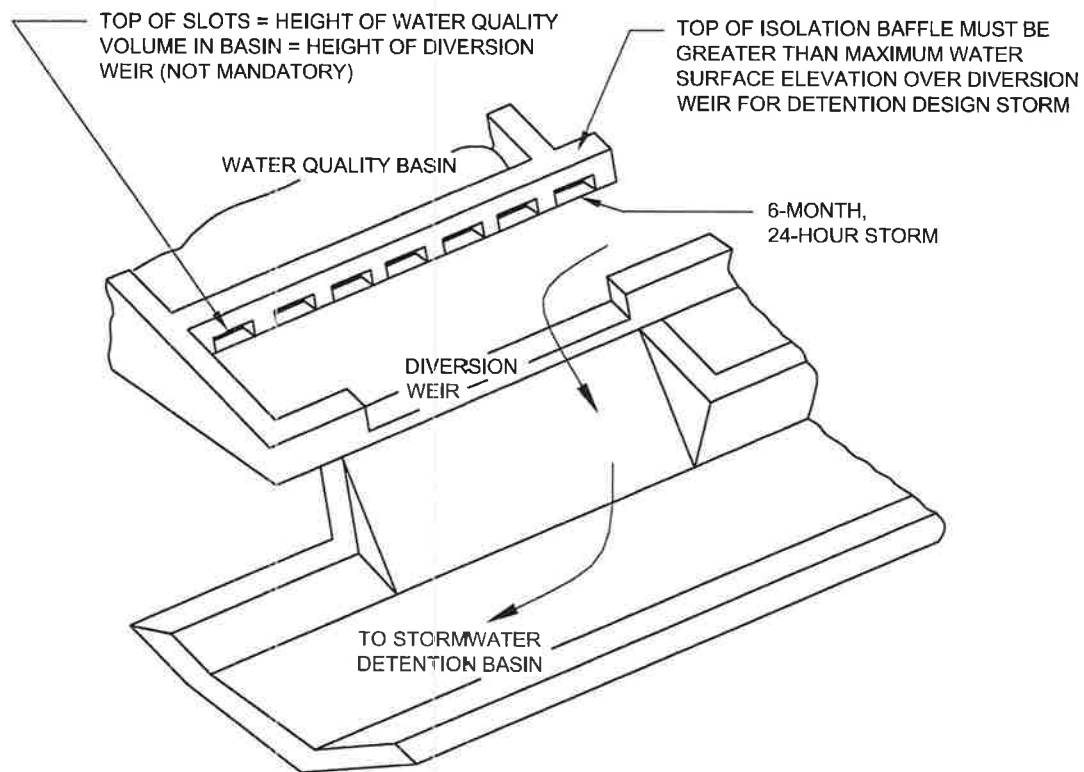
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BASIN CONFIGURATIONS WITH BAFFLES

(NOT TO SCALE)



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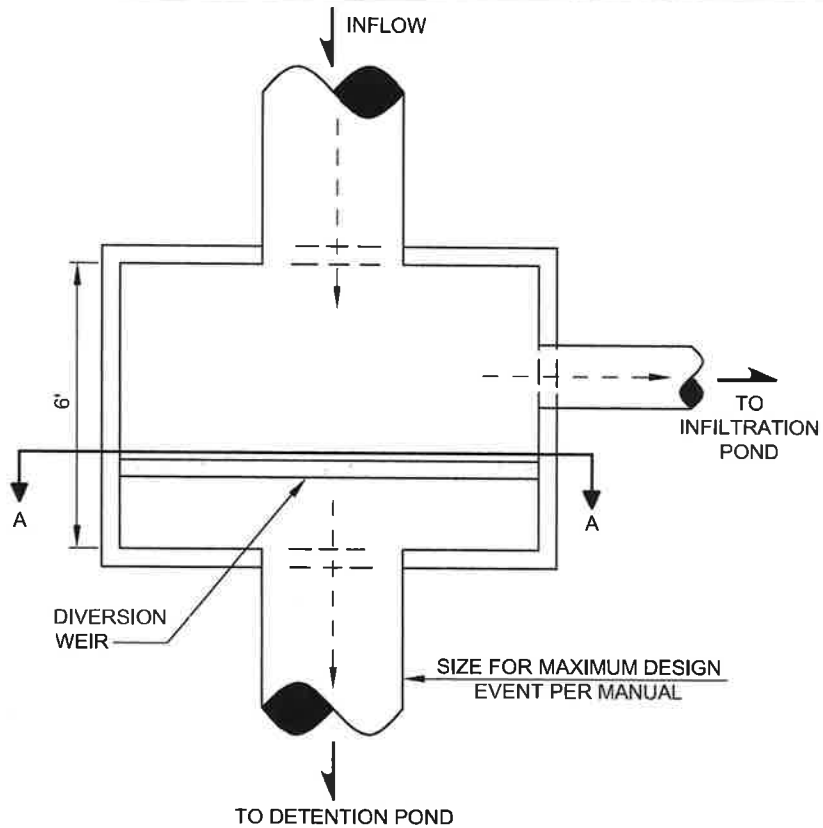
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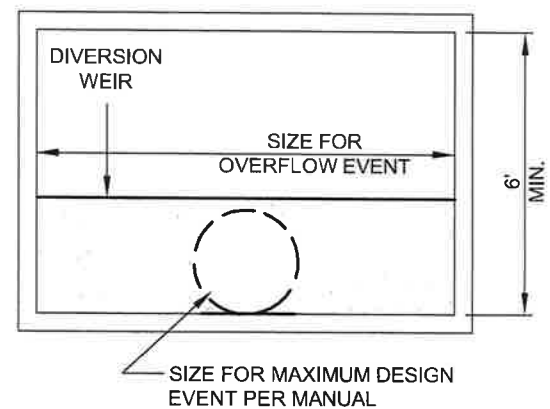
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**ISOLATION / DIVERSION
 STRUCTURE - SCHEMATIC**

(NOT TO SCALE)



INSIDE PLAN VIEW



SECTION A-A



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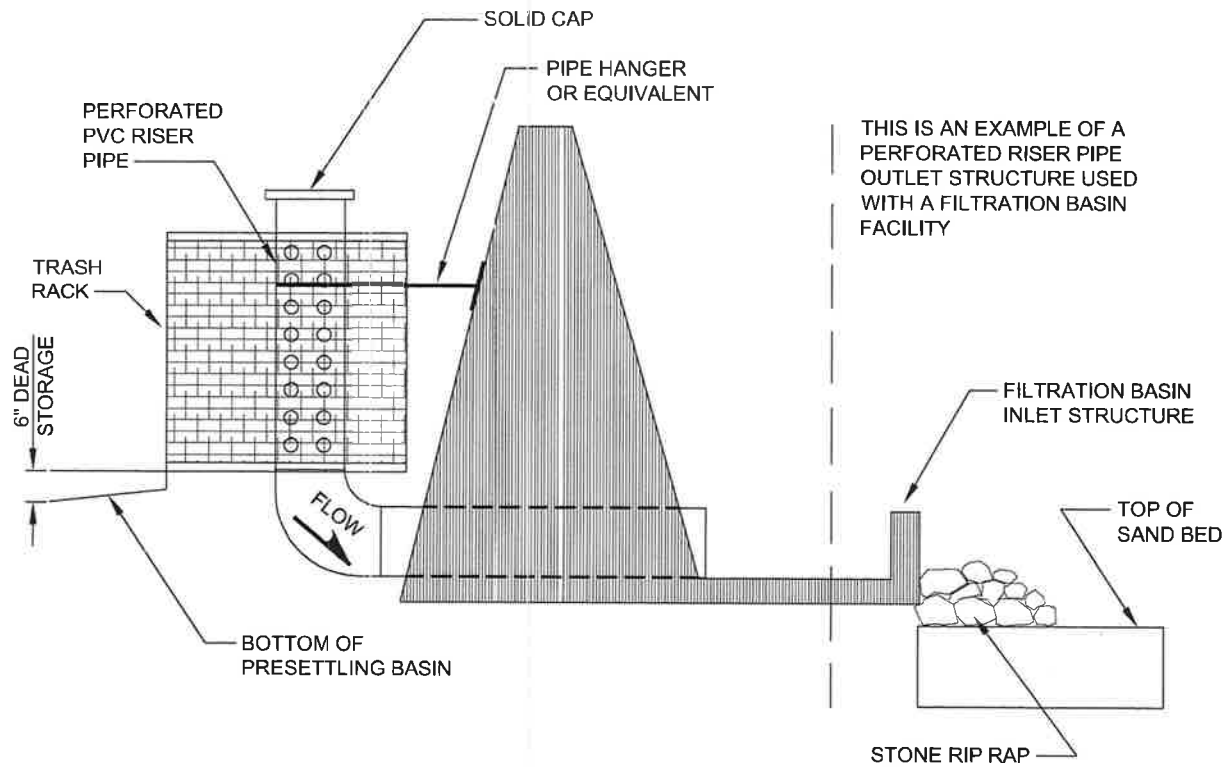
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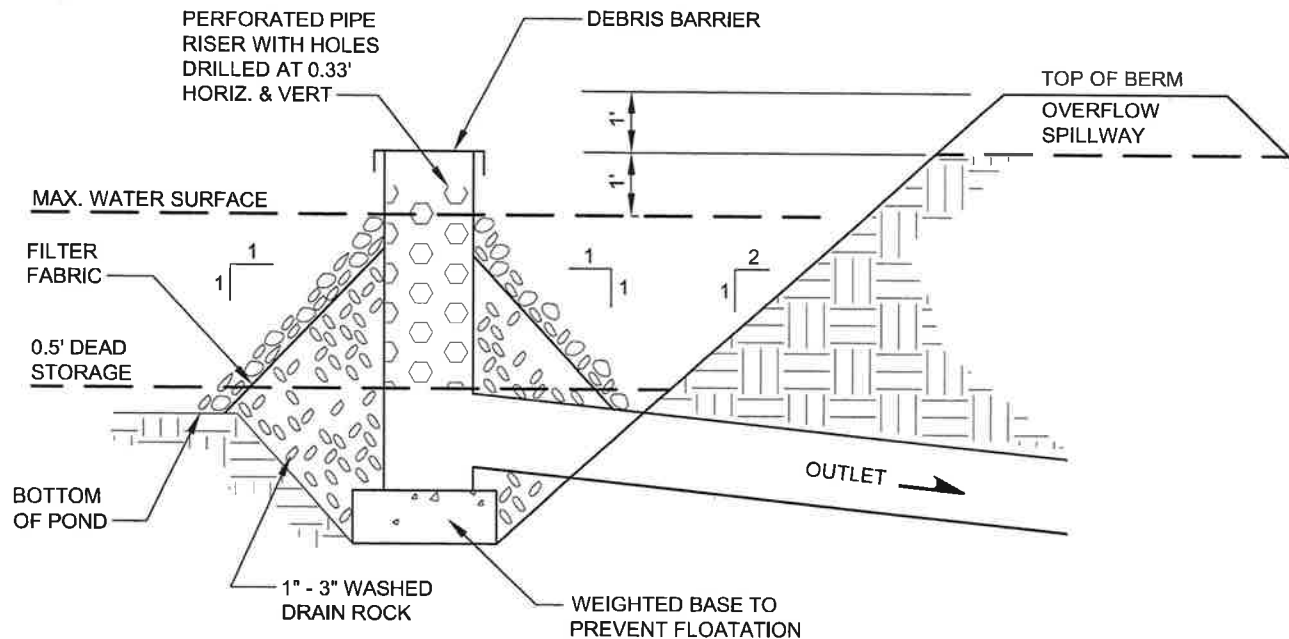
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**PERFORATED RISER PIPE
 OUTLET STRUCTURE W/
 TRASH RACK - SCHEMATIC**

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10.0



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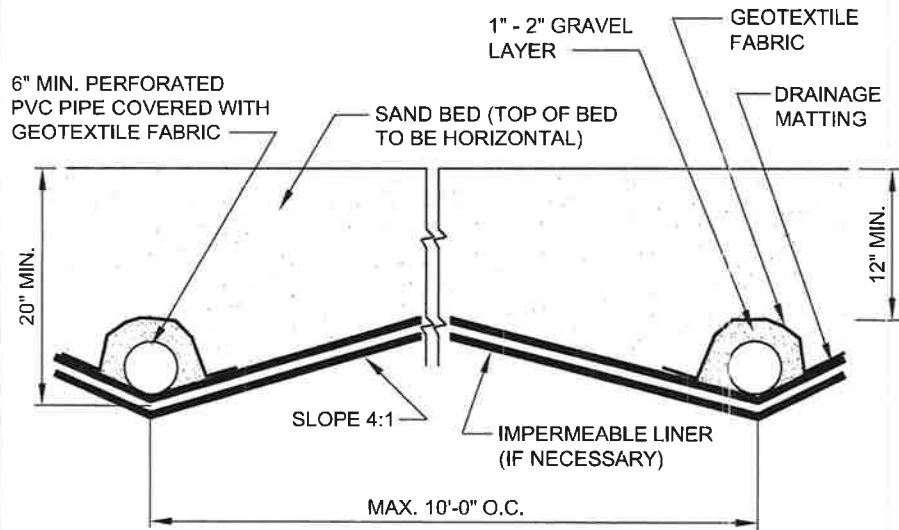
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**GRAVEL CONE W/ RISER
DETAIL**

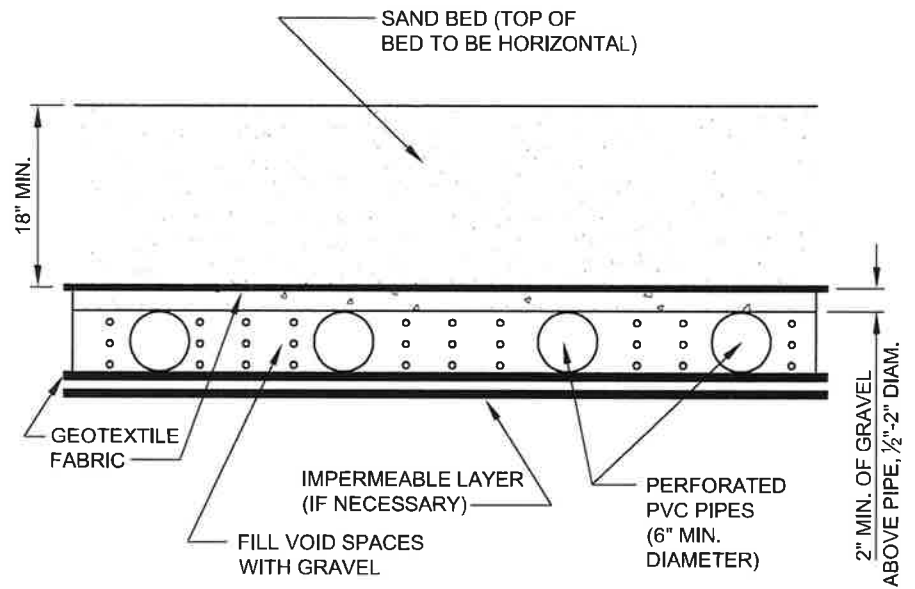
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11.0



B. SAND BED (TRENCH DESIGN)



A. SAND BED (WITH GRAVEL LAYER)

NOTE: PERFORATIONS TO BE $\frac{3}{8}$ ". MAXIMUM SPACING BETWEEN ROWS OF PERFORATIONS WILL NOT EXCEED 6 INCHES.



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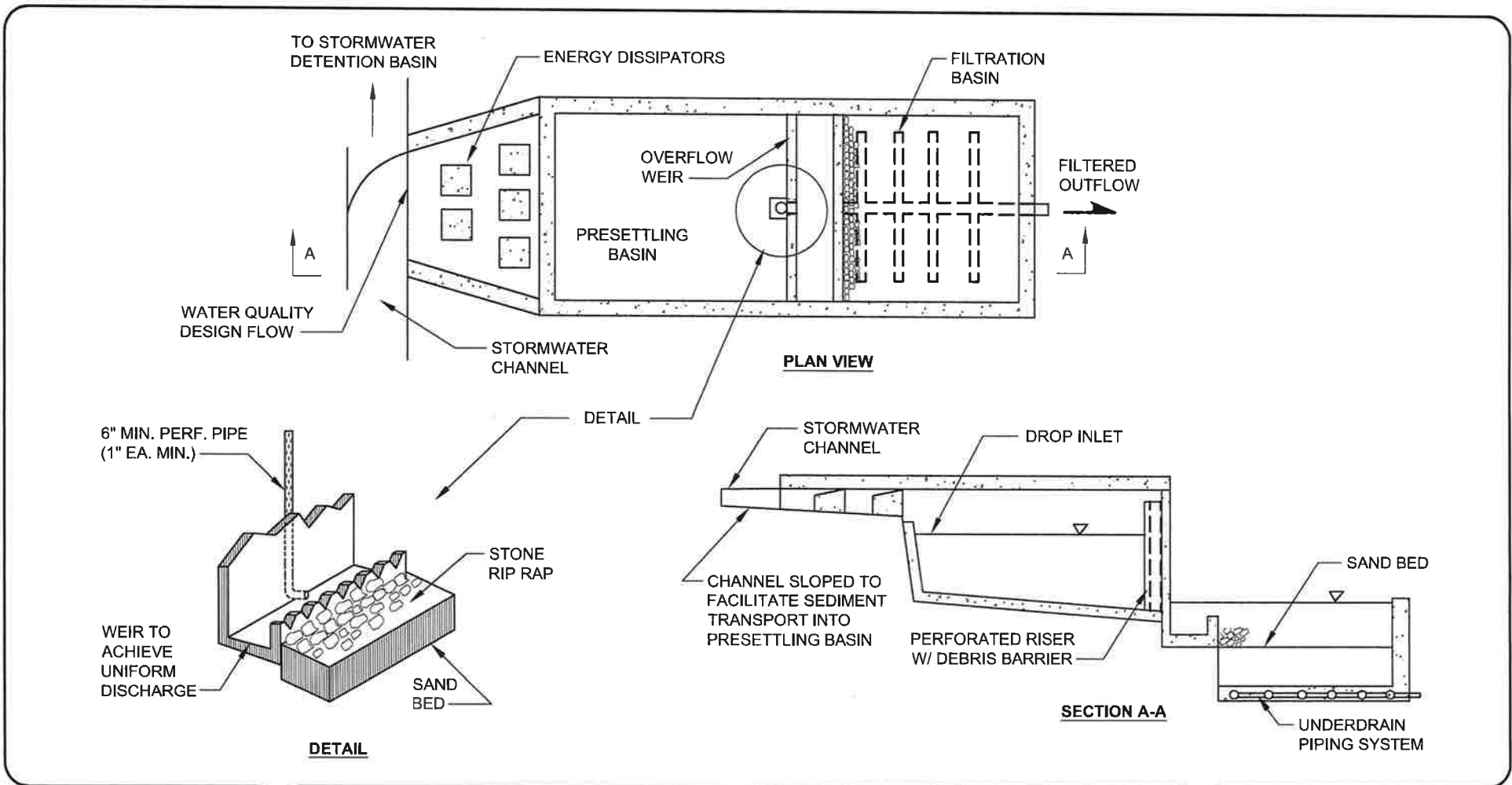
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**SAND FILTRATION SYSTEM -
CONFIGURATION**

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12.0



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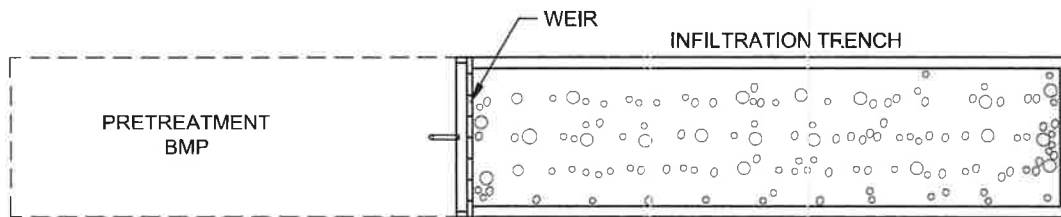
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SAND FILTRATION SYSTEM - SCHEMATIC

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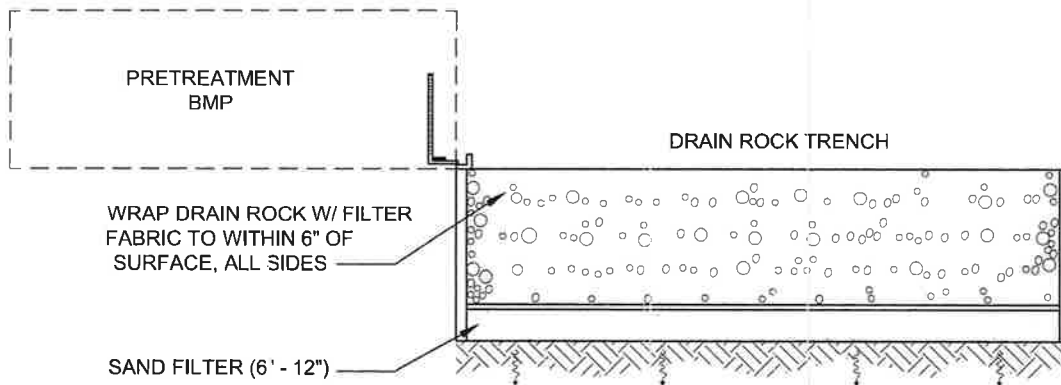
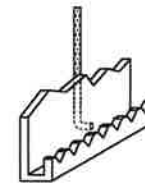
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13.0



TOP VIEW

WEIR OVERFLOW SPREADS
RUNOFF OVER TRENCH



SIDE VIEW

WRAP DRAIN ROCK W/ FILTER
FABRIC TO WITHIN 6" OF
SURFACE, ALL SIDES

SAND FILTER (6' - 12")

FILTERED RUNOFF EXFILTRATES THROUGH UNDISTURBED SOIL.

NOTE: INFILTRATION
TRENCH TO BE PRECEDED
BY A PRETREATMENT BMP



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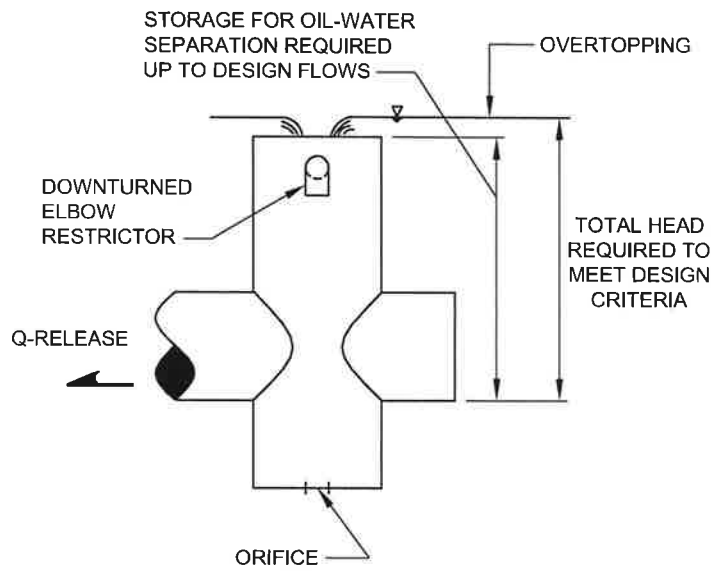
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**WATER QUALITY
INFILTRATION TRENCH
SYSTEM - SCHEMATIC**

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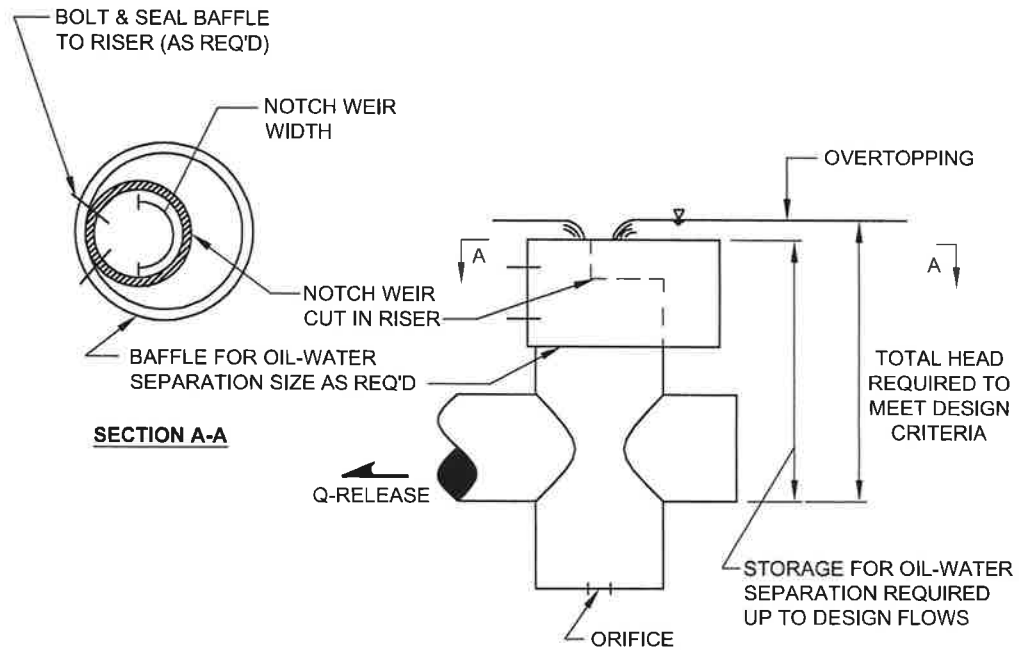
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14.0



OIL / WATER SEPARATION W/ ORIFICE CONTROL

N.T.S.



OIL / WATER SEPARATION W/ NOTCH CONTROL

N.T.S.



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**OIL/WATER SEPARATION W/
ORIFICE CONTROL AND W/
NOTCH CONTROL**

(NOT TO SCALE)

15.0

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