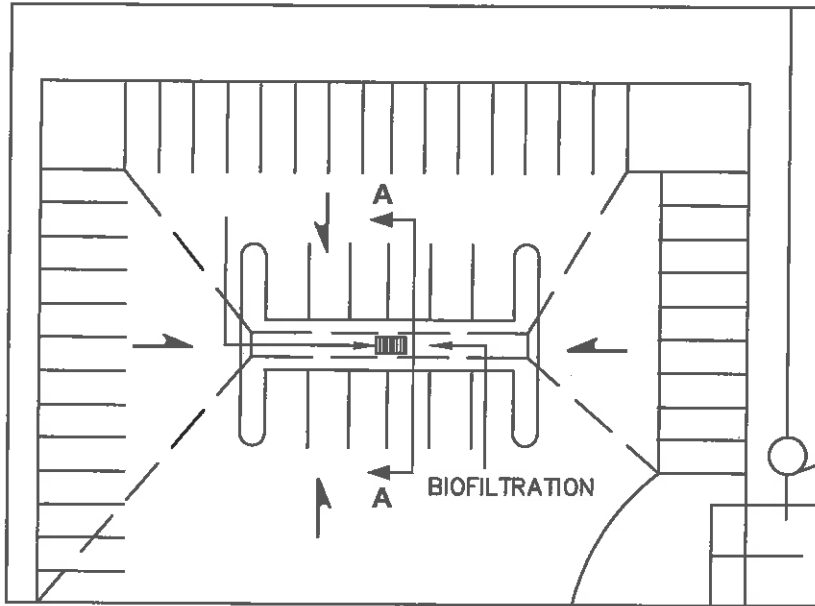
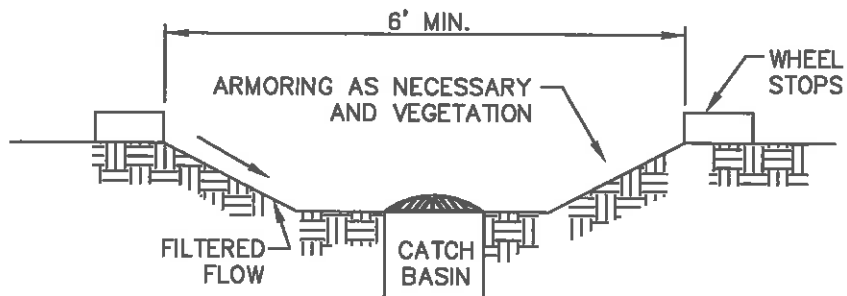


SECTION B
QUALITY DESIGN DETAILS

<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




PLAN



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

SECTION A-A

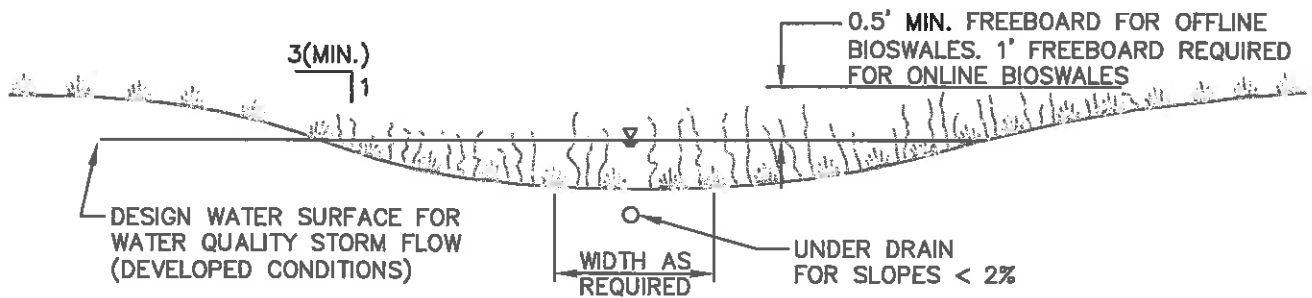
	ENGINEERING DIVISION	
	PARKING LOT CONVEYANCE SYSTEM	
	SECTION B DETAIL N.T.S.	1.0
APPROVED BY CITY ENGINEER _____		DATE 1/1/2014

TYPICAL CHANNEL SECTION

V - SHAPE

TRAPEZOIDAL SHAPE

PARABOLIC SHAPE



NOTE:
REFER TO
TABLE 8.1.



ENGINEERING DIVISION

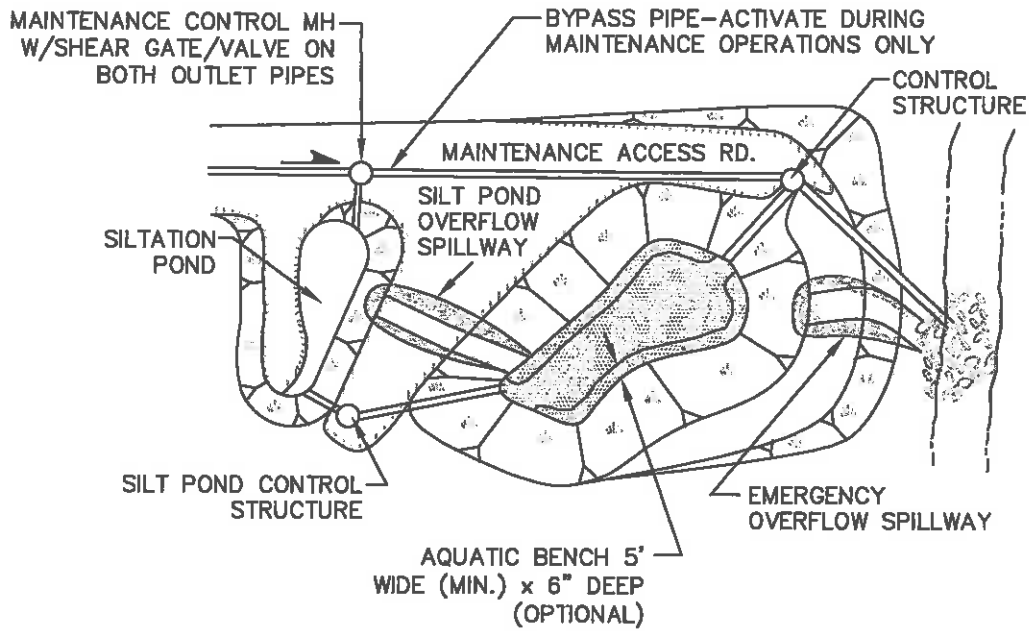
WATER QUALITY
BIOFILTRATION SWALE

SECTION B
DETAIL N.T.S.

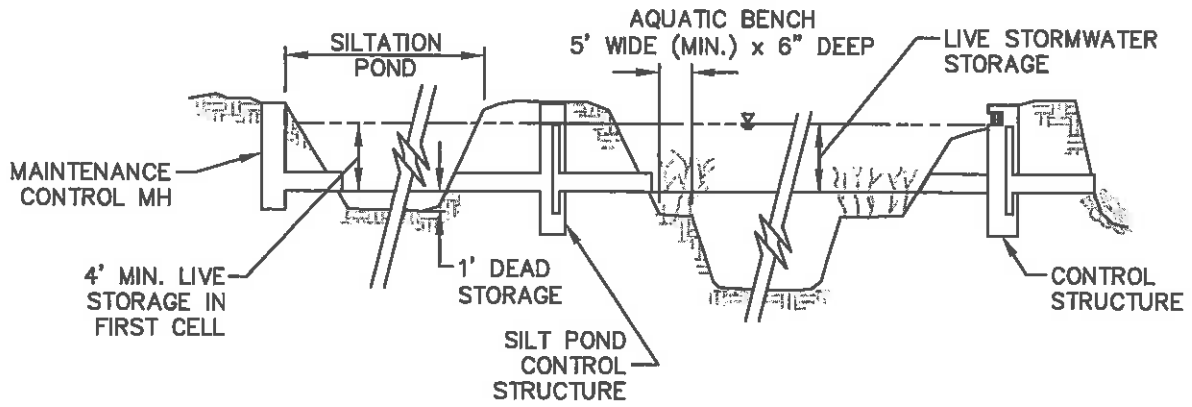
2.0

APPROVED BY
CITY ENGINEER _____


DATE 1/1/2014

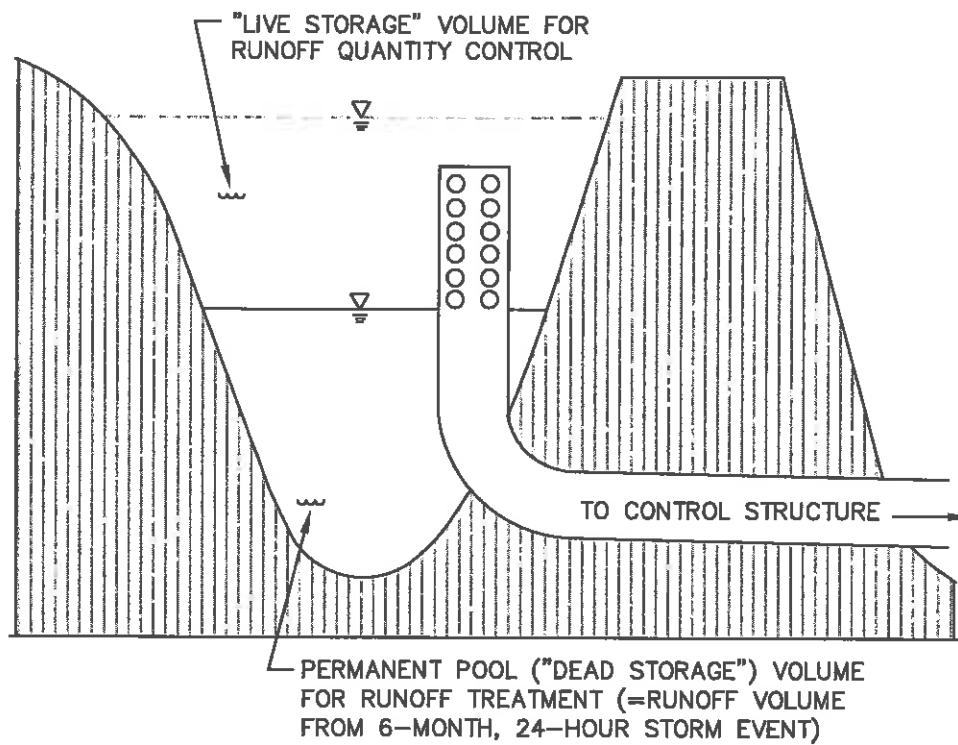



PLAN

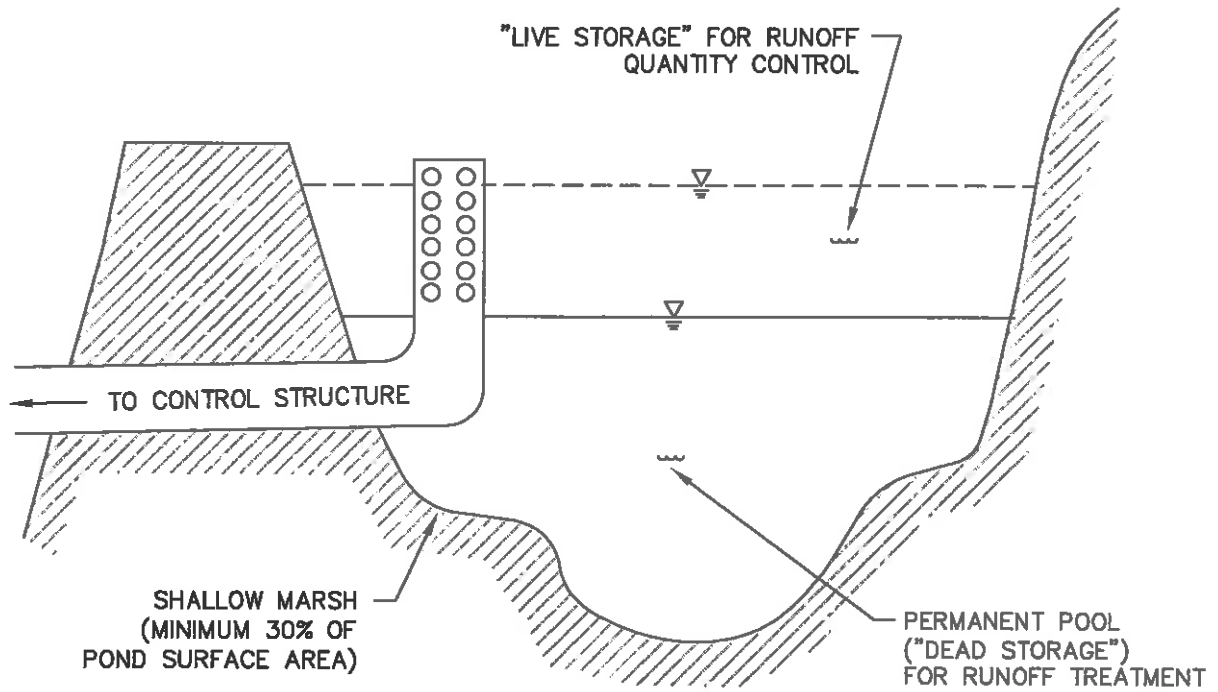



SECTION

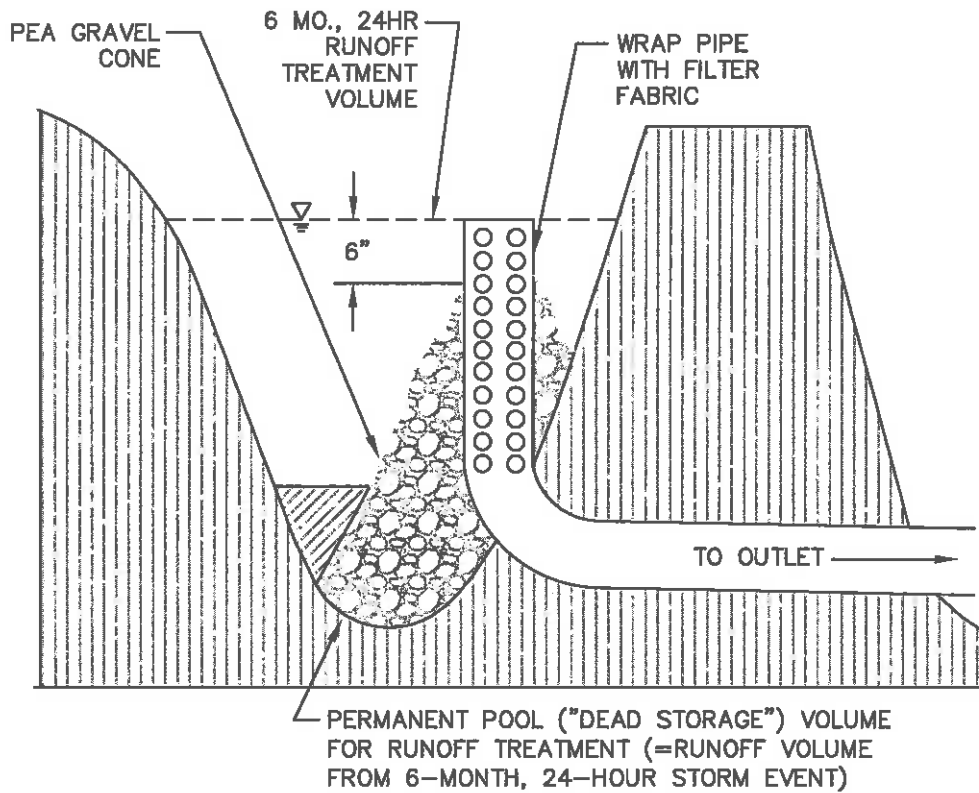
	ENGINEERING DIVISION	SECTION B DETAIL N.T.S.
	WET POND (TYPICAL)	3.0
APPROVED BY CITY ENGINEER _____	DATE 1/1/2014	



	ENGINEERING DIVISION	SECTION B DETAIL N.T.S.
	WET POND TYPICAL TYPE DETENTION BMP	4.0
APPROVED BY CITY ENGINEER _____	DATE 1/1/2014	




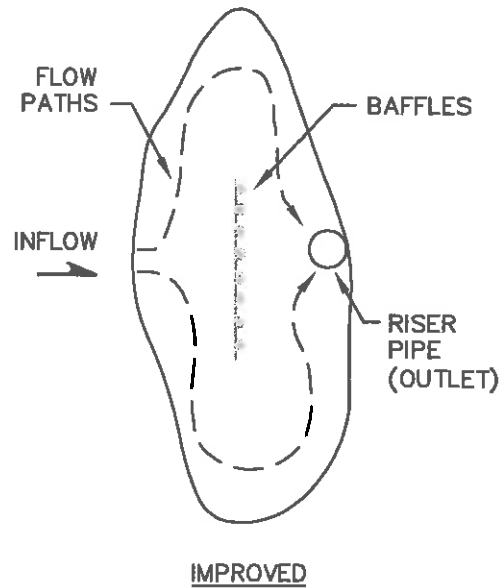
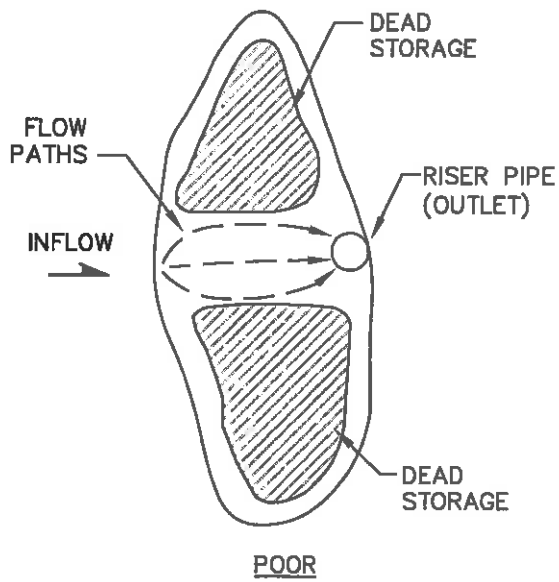
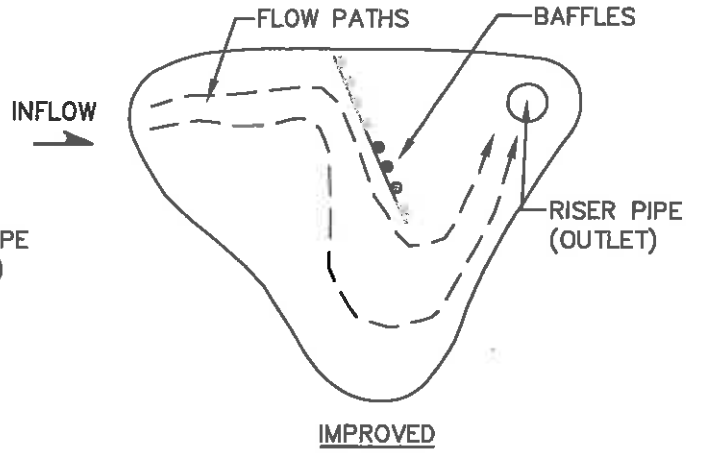
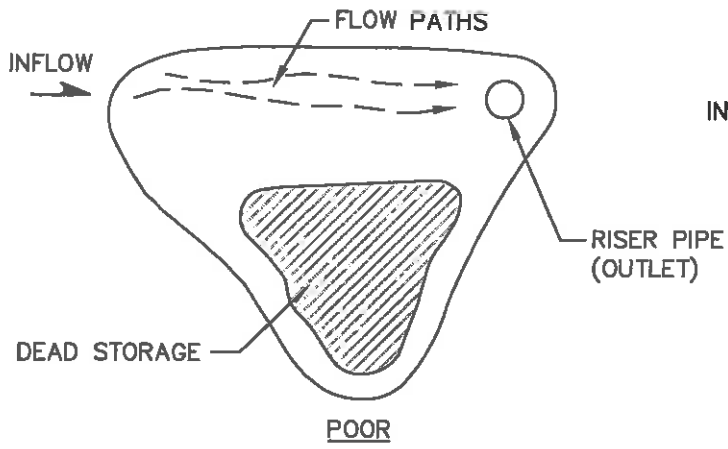
	ENGINEERING DIVISION	
	WET POND (NUTRIENT CONTROL)	SECTION B DETAIL N.T.S. 5.0
APPROVED BY CITY ENGINEER _____		DATE _____




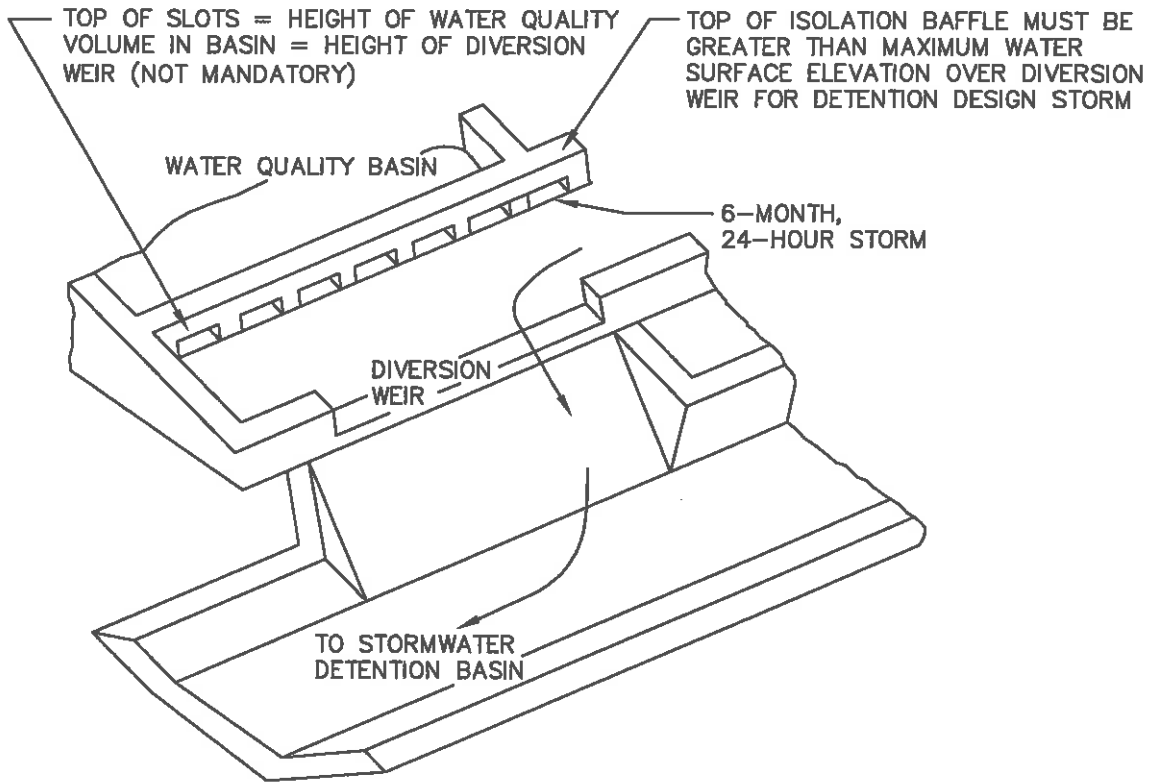
NOTE:


NO RUNOFF QUANTITY CONTROL IS PROVIDED BY THIS BMP.

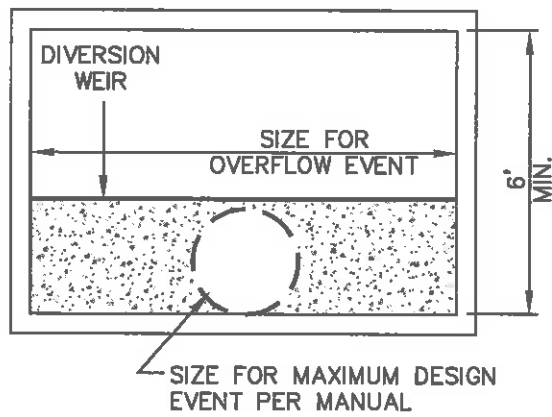
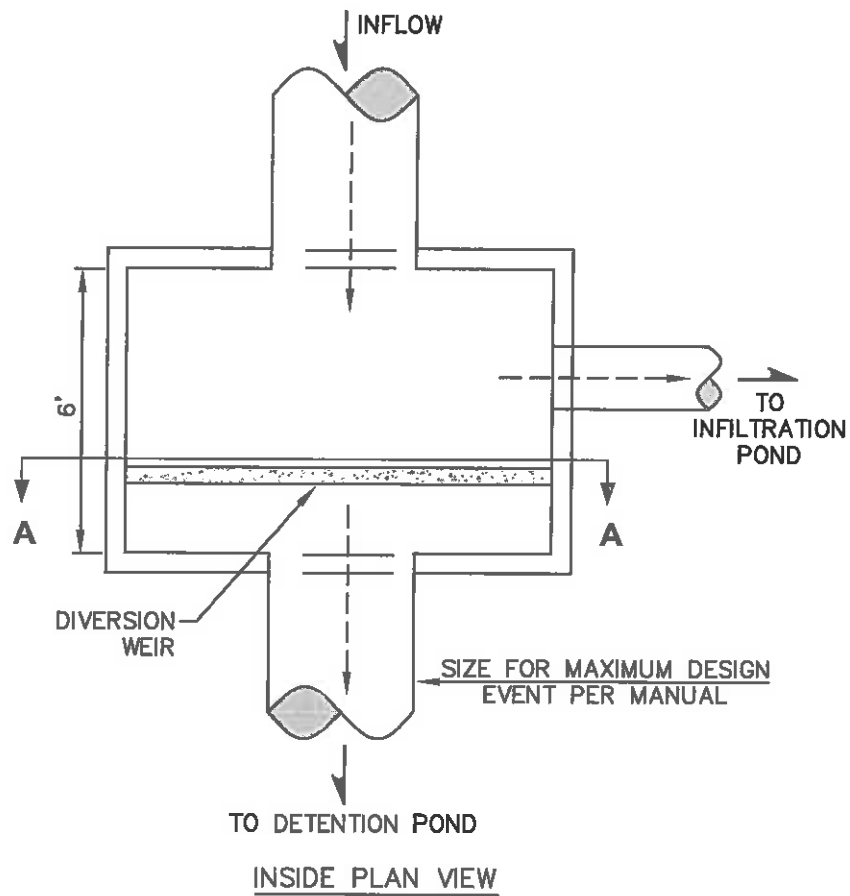
	ENGINEERING DIVISION	
	<p>PRESETTLING BASIN</p>	<p>SECTION B DETAIL N.T.S. 6.0</p>
<p>APPROVED BY CITY ENGINEER _____</p>	<p>DATE 1/1/2014</p>	




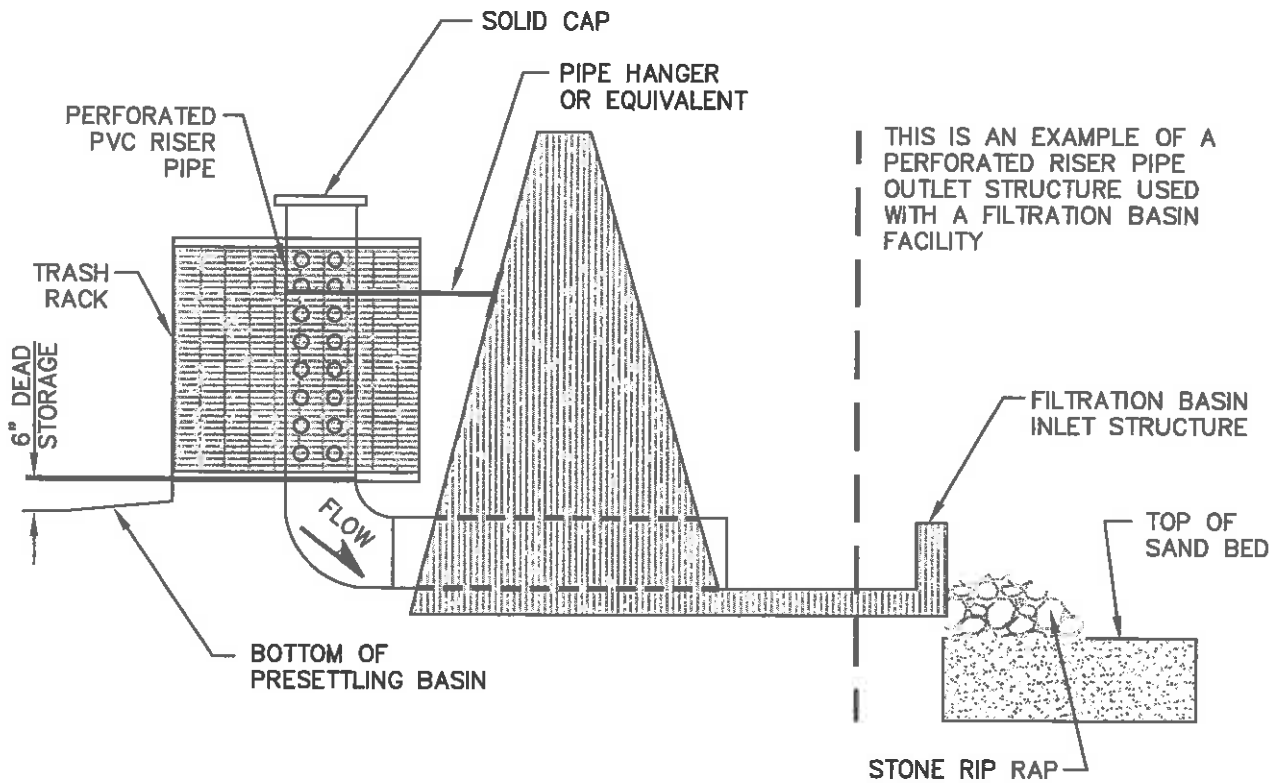
	ENGINEERING DIVISION	
	BASIN CONFIGURATIONS WITH BAFFLES	SECTION B DETAIL N.T.S. 7.0
APPROVED BY CITY ENGINEER _____	DATE 1/1/2014	




	ENGINEERING DIVISION	
	ISOLATION / DIVERSION STRUCTURE	SECTION B DETAIL N.T.S. 8.0
APPROVED BY CITY ENGINEER _____	DATE <u>1/1/2014</u>	

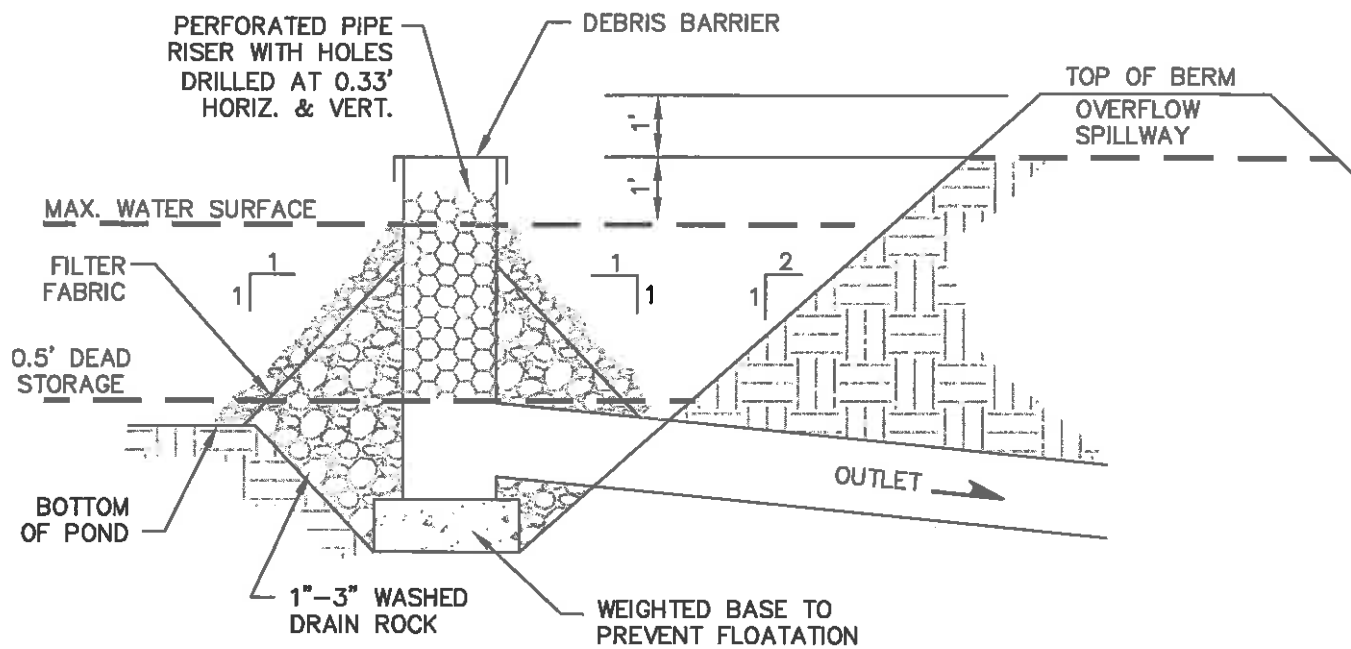


	ENGINEERING DIVISION	
	ISOLATION / DIVERSION STRUCTURE	SECTION B DETAIL N.T.S. 9.0
APPROVED BY CITY ENGINEER _____	DATE 1/1/2014	



THIS IS AN EXAMPLE OF A PERFORATED RISER PIPE OUTLET STRUCTURE USED WITH A FILTRATION BASIN FACILITY

	ENGINEERING DIVISION	SECTION B DETAIL N.T.S.
	PERFORATED RISER PIPE OUTLET STRUCTURE WITH TRASH RACK	10.0
APPROVED BY CITY ENGINEER _____	DATE <u>1/1/2014</u>	



ENGINEERING DIVISION

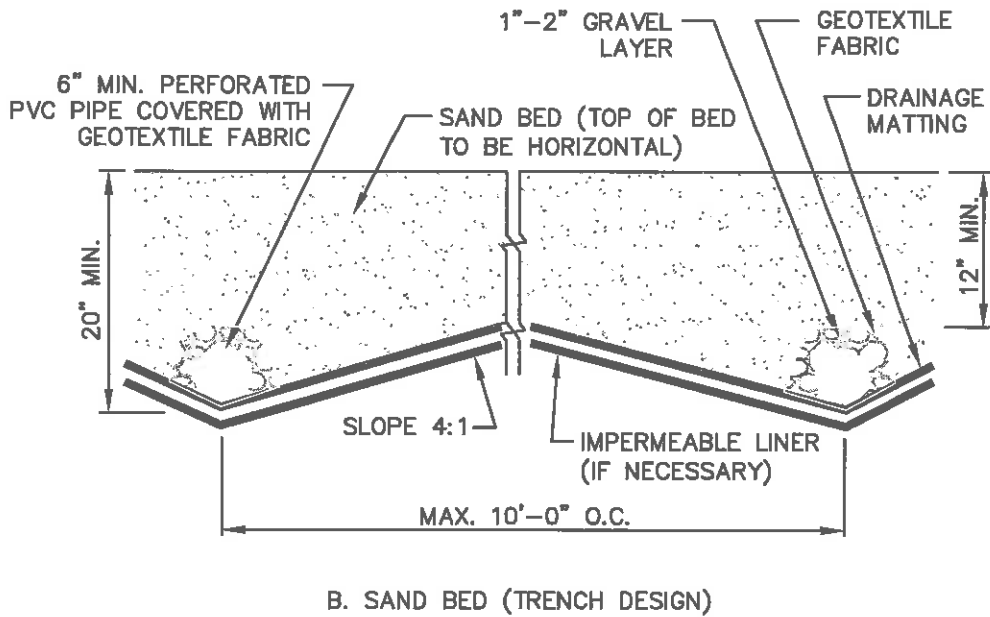
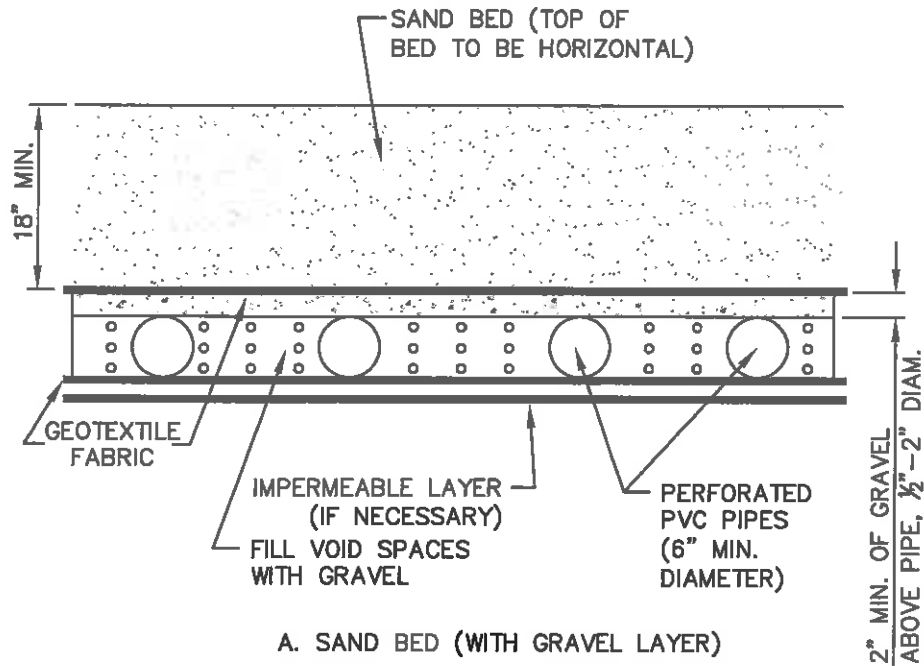
GRAVEL CONE WITH RISER

SECTION B
DETAIL N.T.S.


11.0

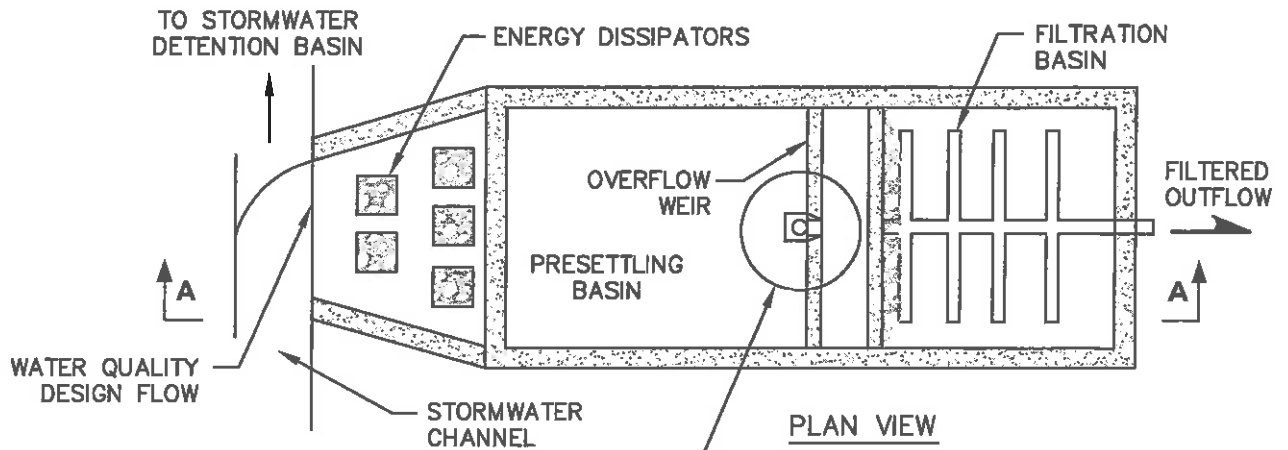
APPROVED BY
CITY ENGINEER _____

DATE 1/1/2014



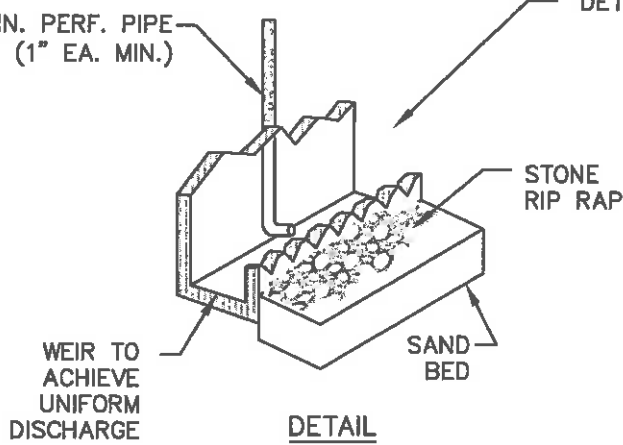
NOTE: PERFORATIONS TO BE 3/8". MAXIMUM SPACING BETWEEN ROWS OF PERFORATIONS WILL NOT EXCEED 6 INCHES.

	ENGINEERING DIVISION	
	SAND FILTRATION SYSTEM	
	SECTION B DETAIL N.T.S.	12.0
APPROVED BY CITY ENGINEER _____	DATE 1/1/2014	

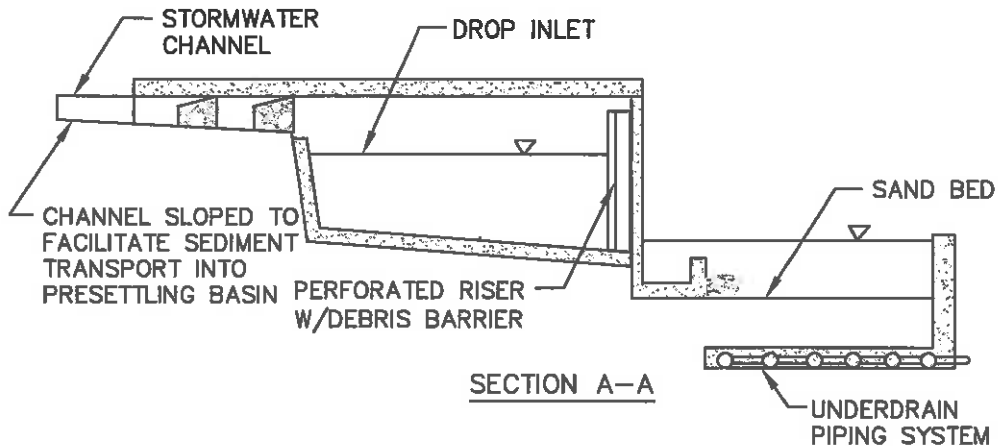


PLAN VIEW

6" MIN. PERF. PIPE
(1" EA. MIN.)



DETAIL



SECTION A-A



ENGINEERING DIVISION

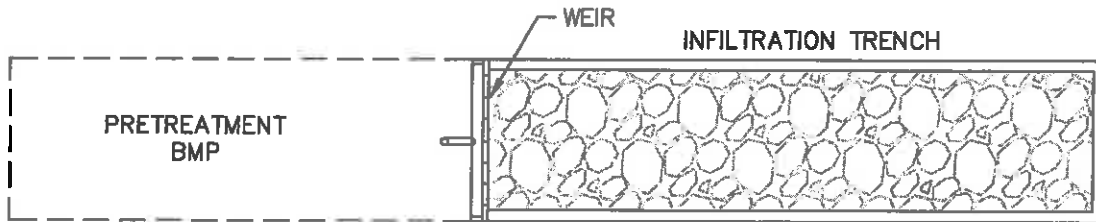
SAND FILTRATION SYSTEM

SECTION B
DETAIL N.T.S.

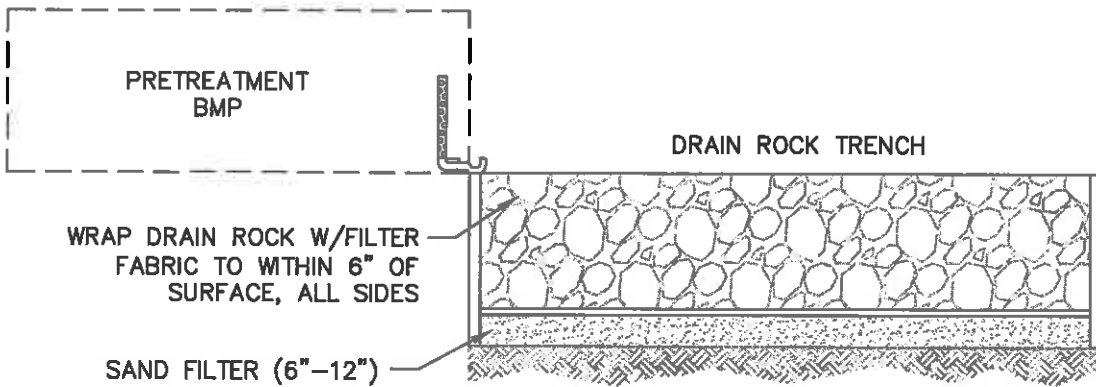
13.0

APPROVED BY
CITY ENGINEER _____

DATE 1/1/2014



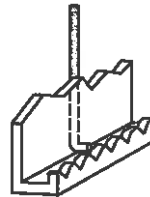
TOP VIEW




FILTERED RUNOFF EXFILTRATES THROUGH UNDISTURBED SOIL.

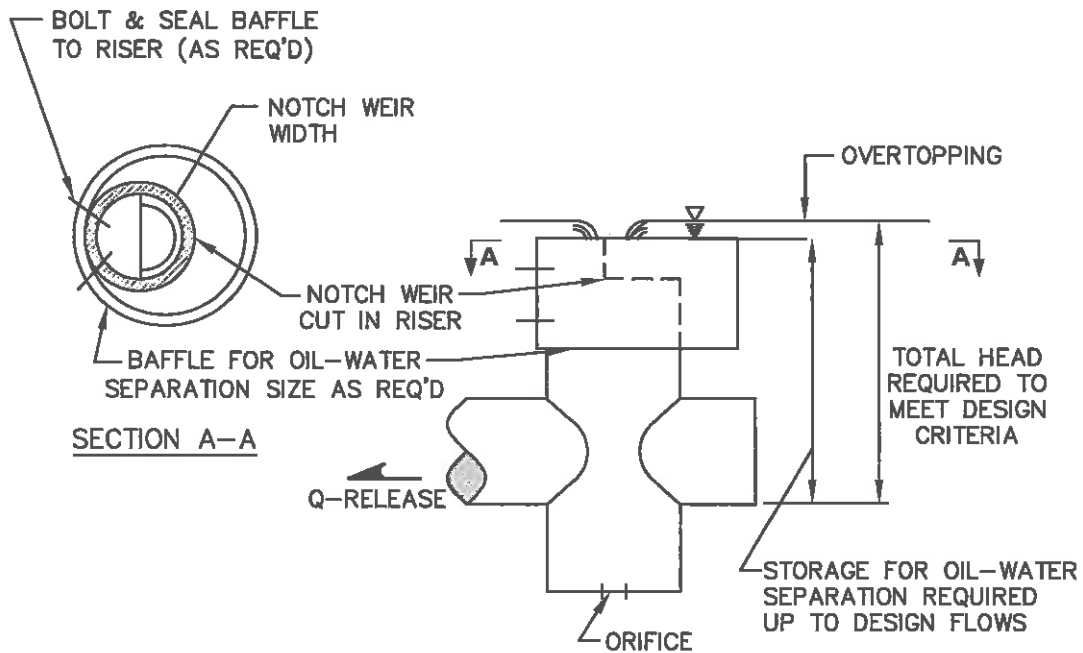
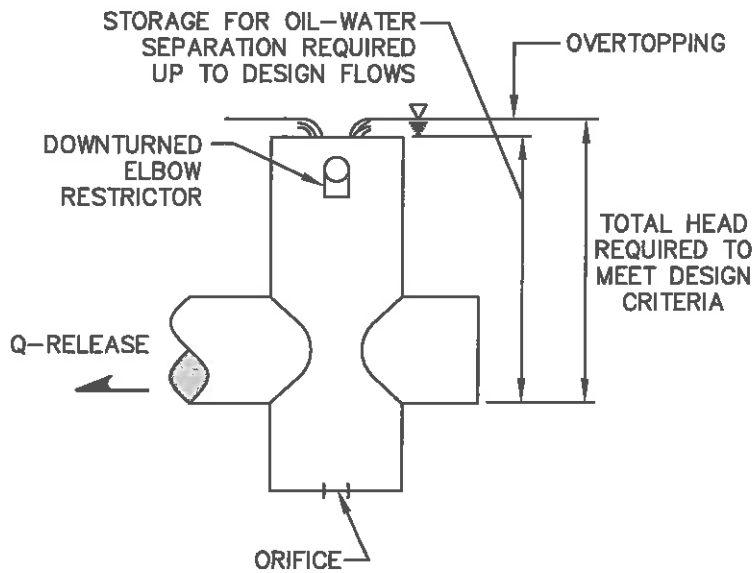
SIDE VIEW

WEIR OVERFLOW SPREADS
RUNOFF OVER TRENCH



NOTE: INFILTRATION
TRENCH TO BE PRECEDED
BY A PRETREATMENT BMP

 <small>GIG HARBOR ENGINEERING</small>	ENGINEERING DIVISION	SECTION B DETAIL N.T.S. 14.0
	WATER QUALITY INFILTRATION TRENCH SYSTEM	
APPROVED BY _____ CITY ENGINEER		DATE <u>1/1/2014</u>



	ENGINEERING DIVISION	SECTION B DETAIL N.T.S.
	OIL/WATER SEPARATION WITH ORIFICE CONTROL AND NOTCH CONTROL	15.0
APPROVED BY CITY ENGINEER _____	DATE 1/1/2014	