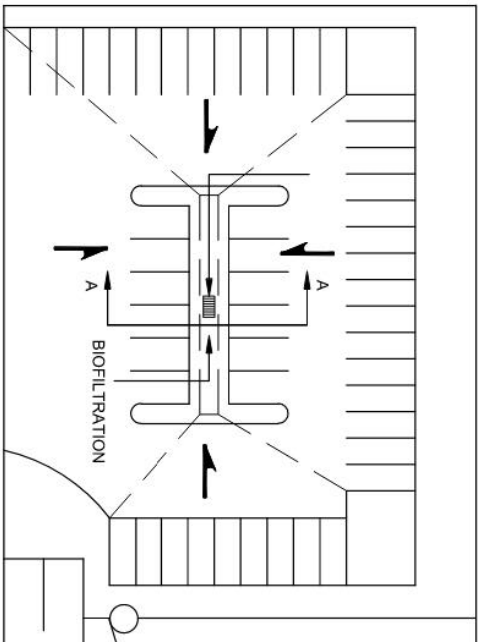
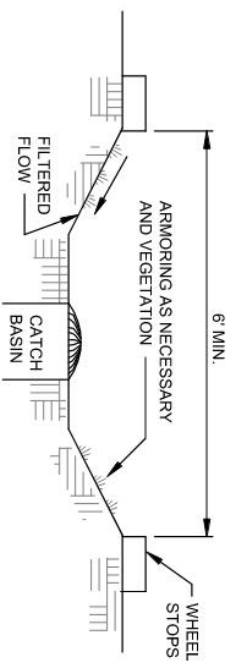


SECTION B
QUALITY DESIGN DETAILS

<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



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PARKING LOT CONVEYANCE SYSTEM

SECTION B - 1.0

ORDINANCE: 2021-xxx
EFFECTIVE DATE: 7/1/2021

TYPICAL CHANNEL SECTION

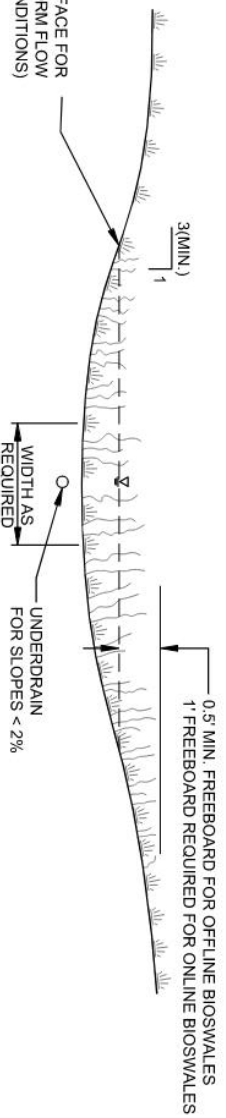
V - SHAPE

TRAPEZOIDAL SHAPE

PARABOLIC SHAPE

NOTE:
REFER TO
VOLUME V
TABLE 8.1.

DESIGN WATER SURFACE FOR
WATER QUALITY STORM FLOW
(DEVELOPED CONDITIONS)

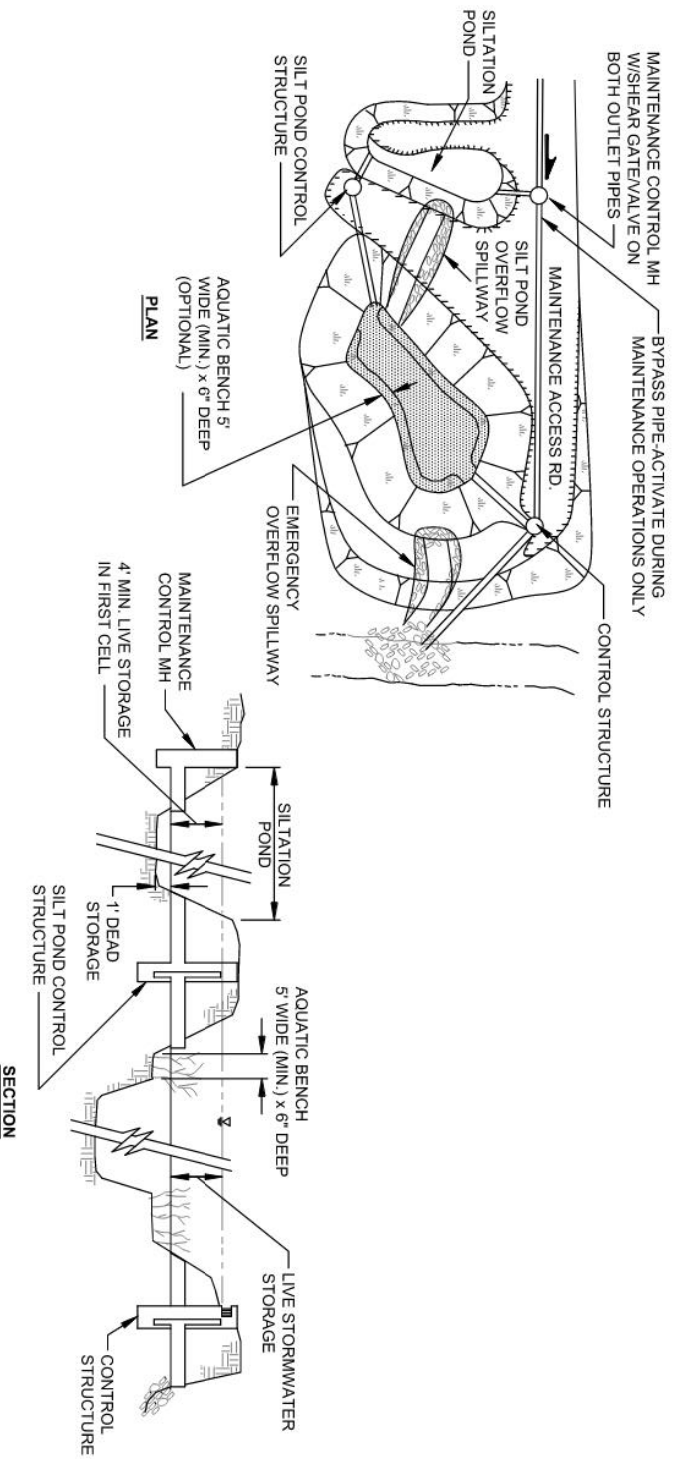


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WATER QUALITY BIOFILTRATION SWALE

SECTION B - 2.0

ORDINANCE: 2021-xxx
EFFECTIVE DATE: 7/1/2021

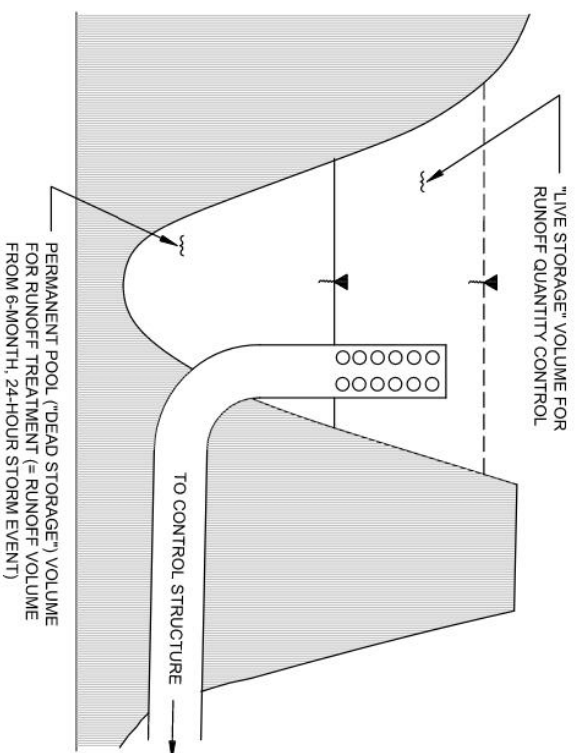


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TYPICAL WET POND

SECTION B - 3.0

ORDINANCE: 2021-xxx
 EFFECTIVE DATE: 7/1/2021

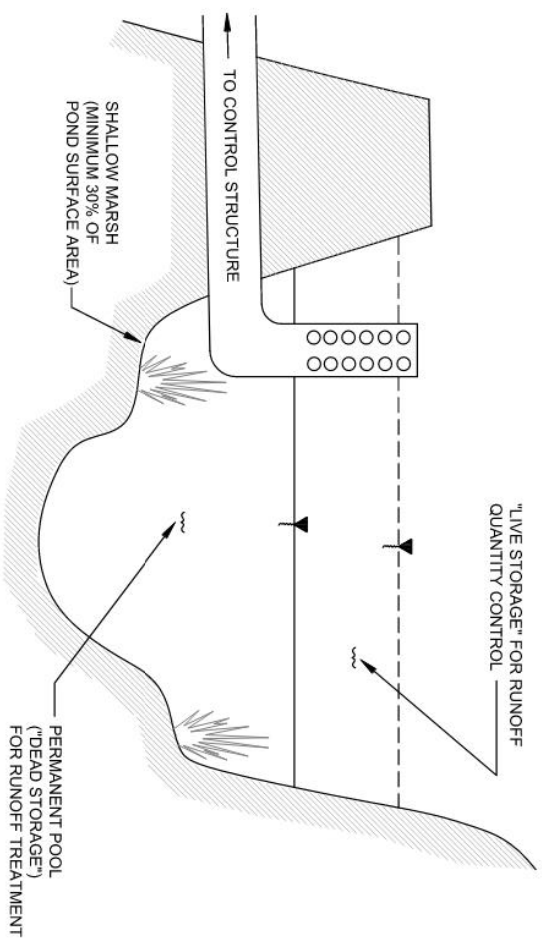


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TYPICAL WET POND - TYPE DETENTION BMP

SECTION B - 4.0

ORDINANCE: 2021-xxx
EFFECTIVE DATE: 7/1/2021

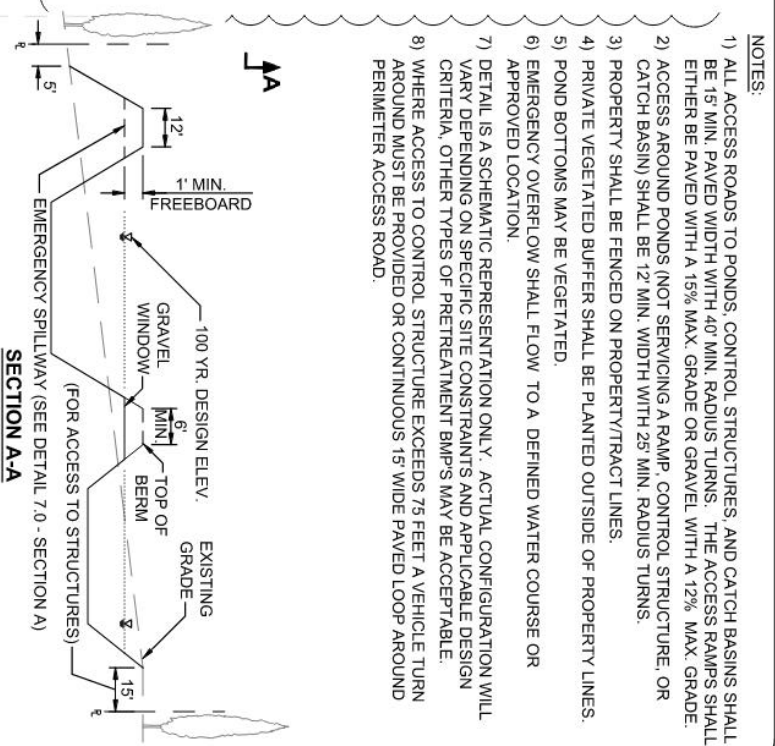
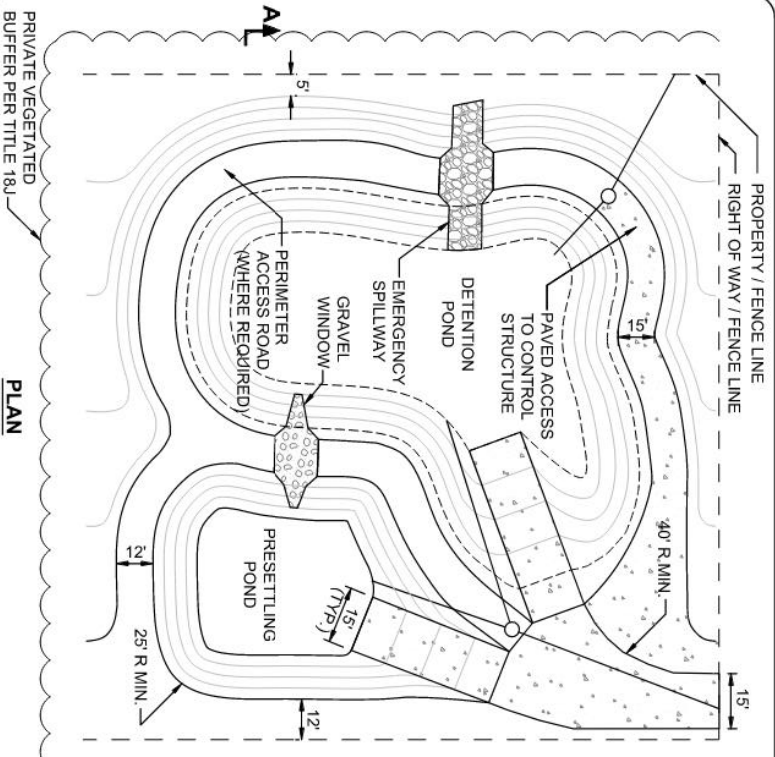


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WET POND (NUTRIENT CONTROL)

SECTION B - 5.0

ORDINANCE: 2021-xxx
EFFECTIVE DATE: 7/1/2021



NOTES:

- 1) ALL ACCESS ROADS TO PONDS, CONTROL STRUCTURES, AND CATCH BASINS SHALL BE 15' MIN. PAVED WIDTH WITH 40' MIN. RADIUS TURNS. THE ACCESS RAMPS SHALL EITHER BE PAVED WITH A 15% MAX. GRADE OR GRAVEL WITH A 12% MAX. GRADE.
- 2) ACCESS AROUND PONDS (NOT SERVICING A RAMP, CONTROL STRUCTURE, OR CATCH BASIN) SHALL BE 12' MIN. WIDTH WITH 25' MIN. RADIUS TURNS.
- 3) PROPERTY SHALL BE FENCED ON PROPERTY/TRACT LINES.
- 4) PRIVATE VEGETATED BUFFER SHALL BE PLANTED OUTSIDE OF PROPERTY LINES.
- 5) POND BOTTOMS MAY BE VEGETATED.
- 6) EMERGENCY OVERFLOW SHALL FLOW TO A DEFINED WATER COURSE OR APPROVED LOCATION.
- 7) DETAIL IS A SCHEMATIC REPRESENTATION ONLY. ACTUAL CONFIGURATION WILL VARY DEPENDING ON SPECIFIC SITE CONSTRAINTS AND APPLICABLE DESIGN CRITERIA. OTHER TYPES OF PRETREATMENT BMPs MAY BE ACCEPTABLE.
- 8) WHERE ACCESS TO CONTROL STRUCTURE EXCEEDS 75 FEET A VEHICLE TURN AROUND MUST BE PROVIDED OR CONTINUOUS 15' WIDE PAVED LOOP AROUND PERIMETER ACCESS ROAD.

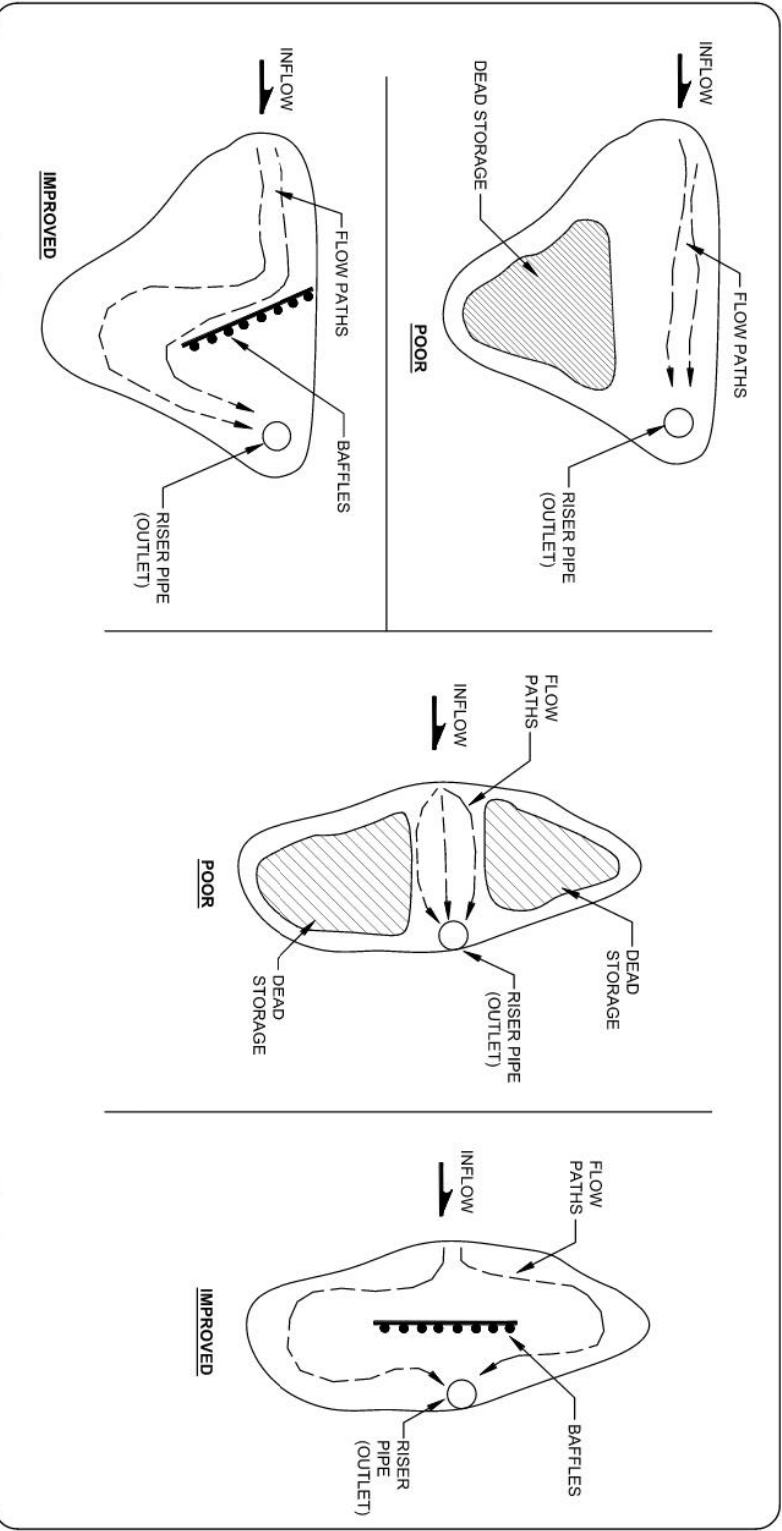


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DETENTION POND

SECTION A - 5.1

ORDINANCE: 2021-xxx
EFFECTIVE DATE: 7/1/2021

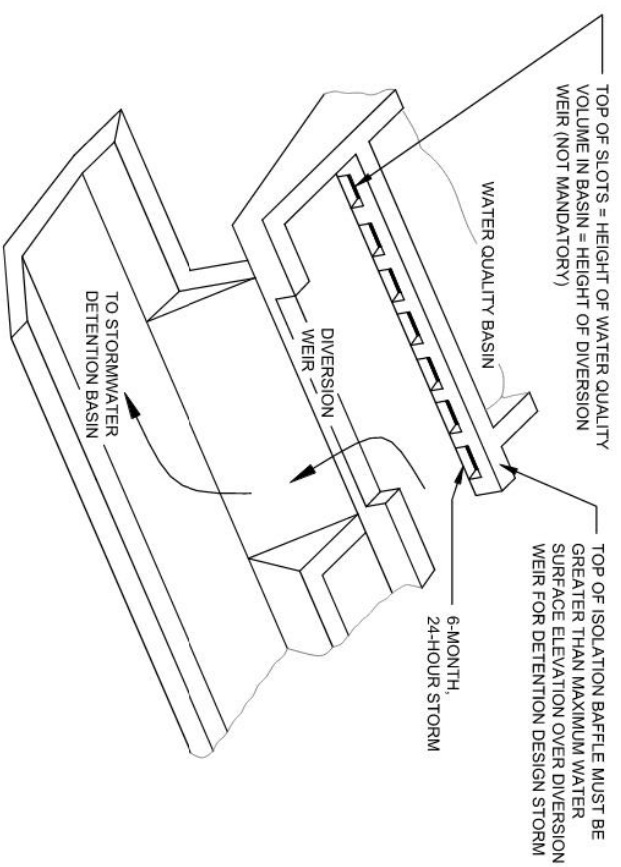


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BASIN CONFIGURATIONS WITH BAFFLES

SECTION B - 7.0

ORDINANCE: 2021-xxx
EFFECTIVE DATE: 7/1/2021

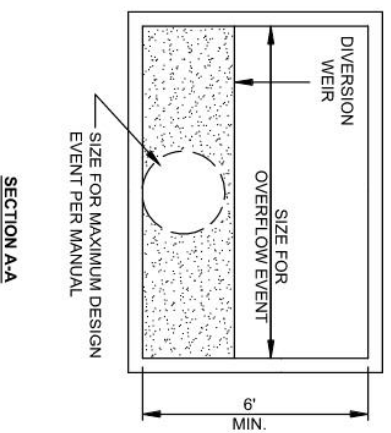
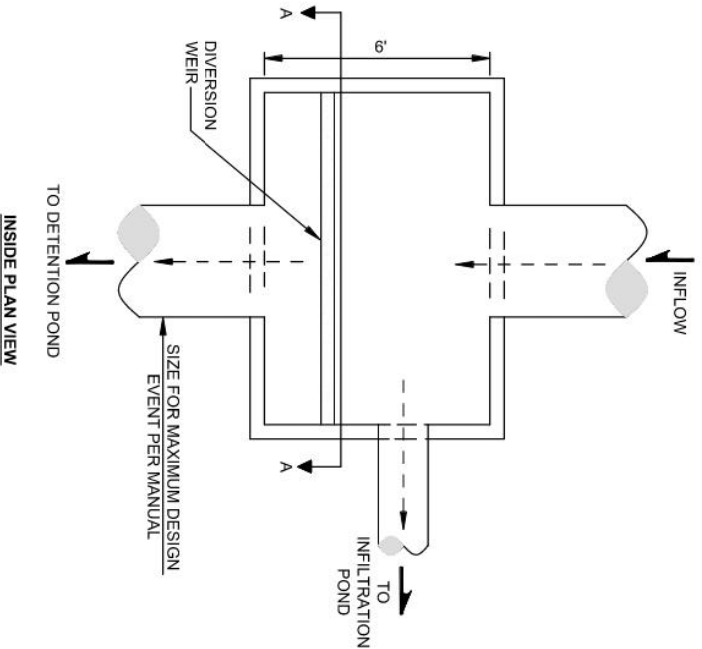


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ISOLATION / DIVERSION STRUCTURE

SECTION B - 8.0

ORDINANCE: 2021-xxx
 EFFECTIVE DATE: 7/1/2021

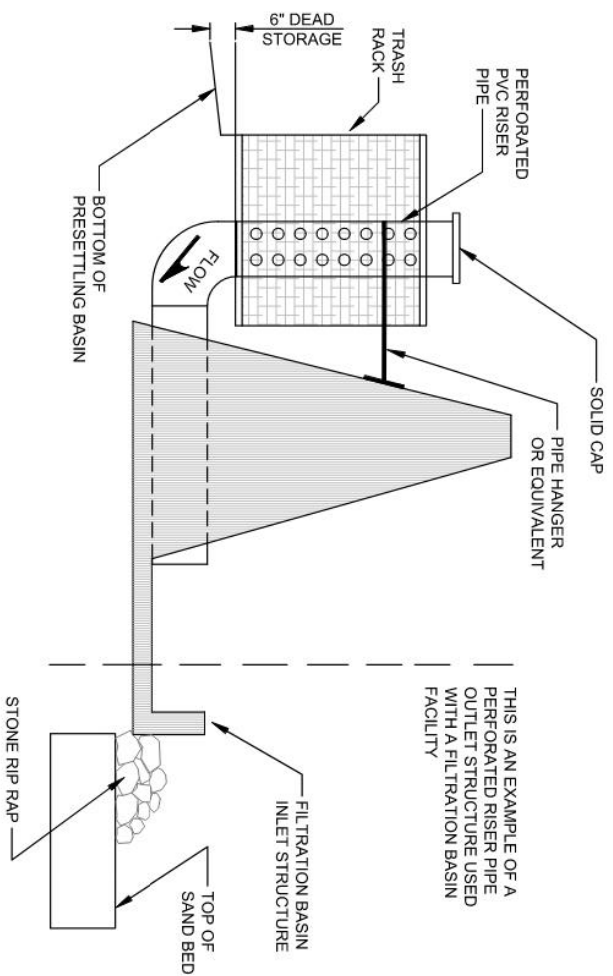


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ISOLATION / DIVERSION STRUCTURE

SECTION B - 9.0

ORDINANCE: 2021-xxx
EFFECTIVE DATE: 7/1/2021

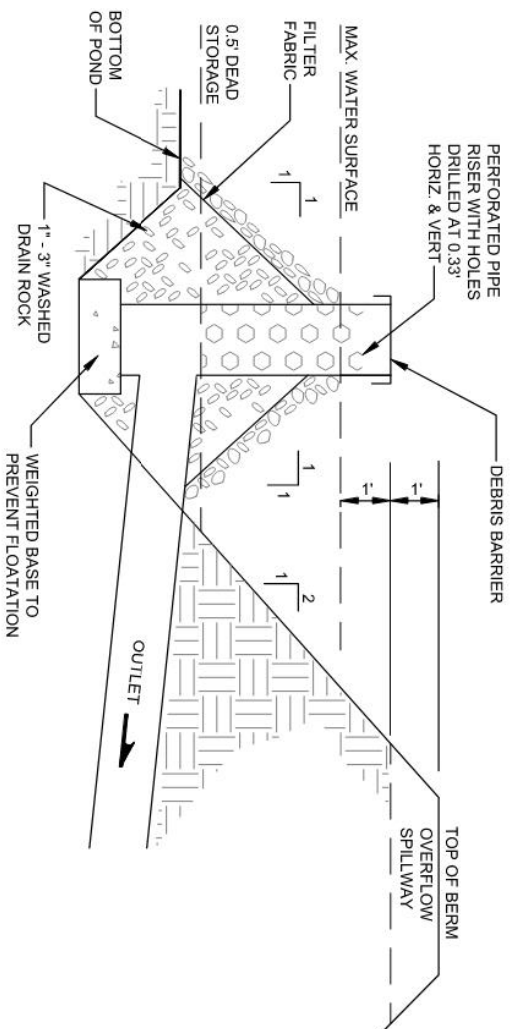


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PERFORATED RISER PIPE OUTLET STRUCTURE WITH TRASH RACK

SECTION B - 10.0

ORDINANCE: 2021-xxx
 EFFECTIVE DATE: 7/1/2021

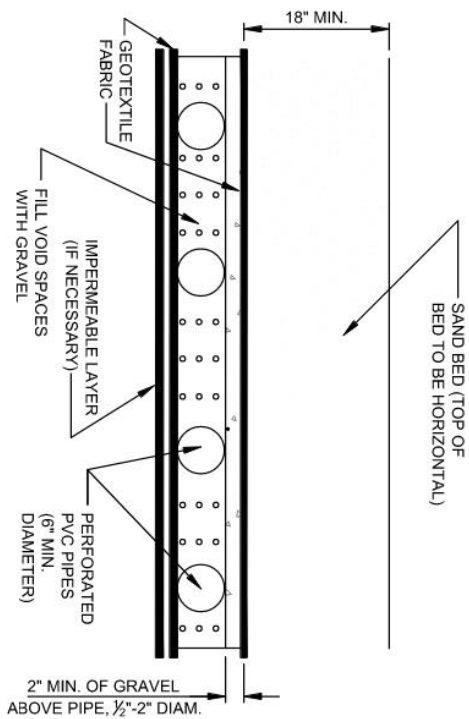
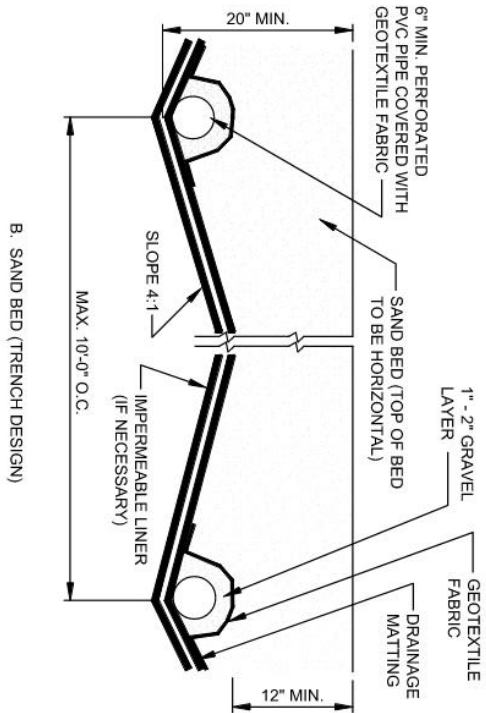


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GRAVEL CONE WITH RISER

SECTION B - 11.0

ORDINANCE: 2021-xxx
EFFECTIVE DATE: 7/1/2021



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

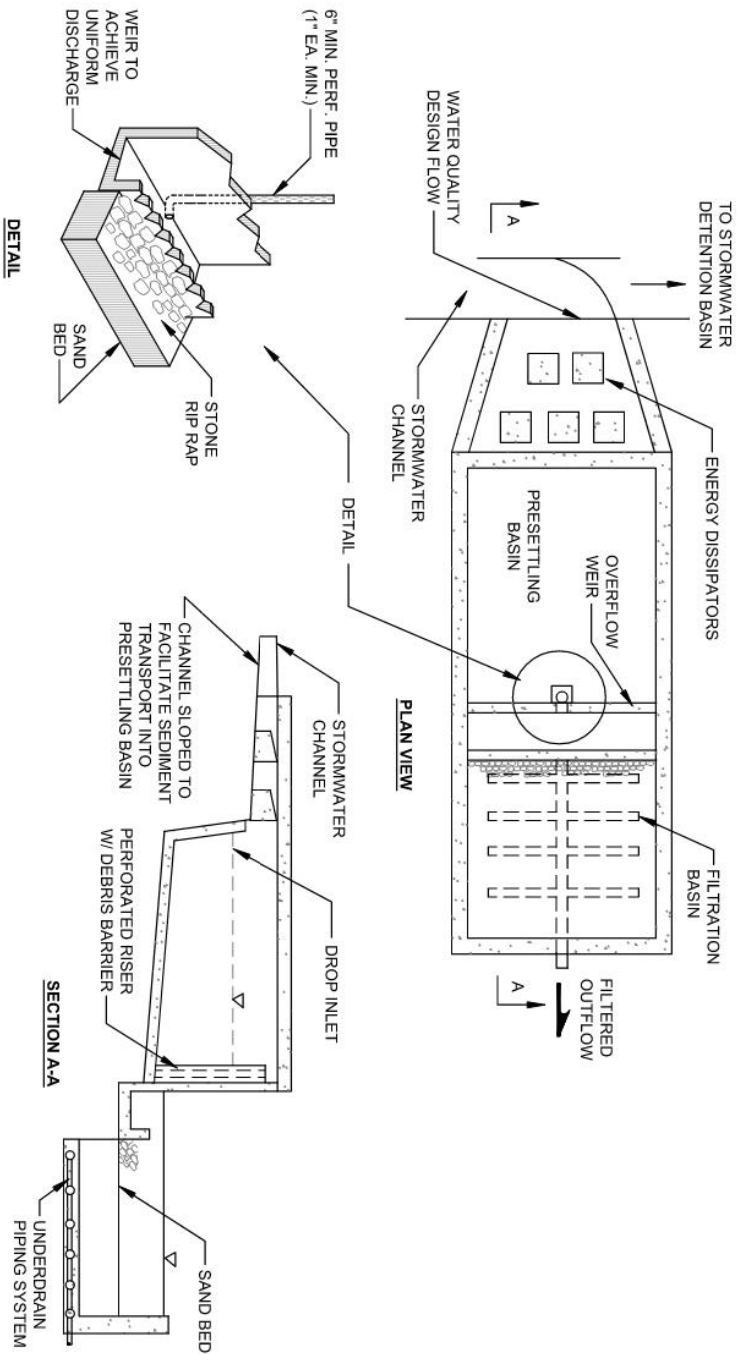


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SAND FILTRATION SYSTEM CONFIGURATION

SECTION B - 12.0

ORDINANCE: 2021-xxx
EFFECTIVE DATE: 7/1/2021

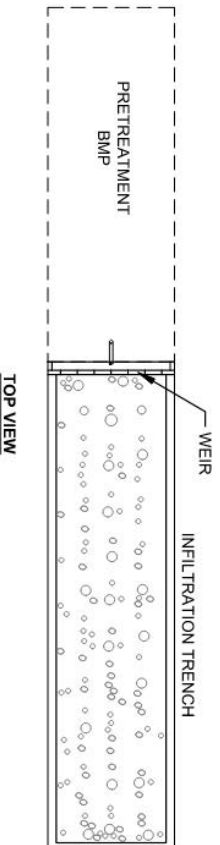


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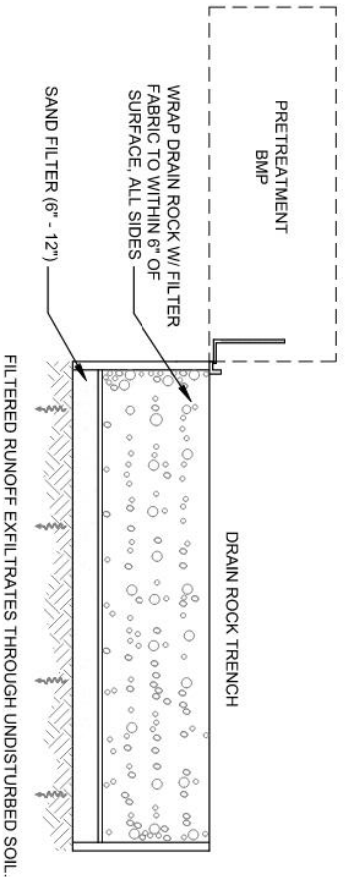
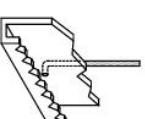
SAND FILTRATION SYSTEM

SECTION B - 13.0

ORDINANCE: 2021-xxx
 EFFECTIVE DATE: 7/1/2021



WEIR OVERFLOW SPREADS
RUNOFF OVER TRENCH



NOTE: INFILTRATION
TRENCH TO BE PRECEDED
BY A PRETREATMENT BMP

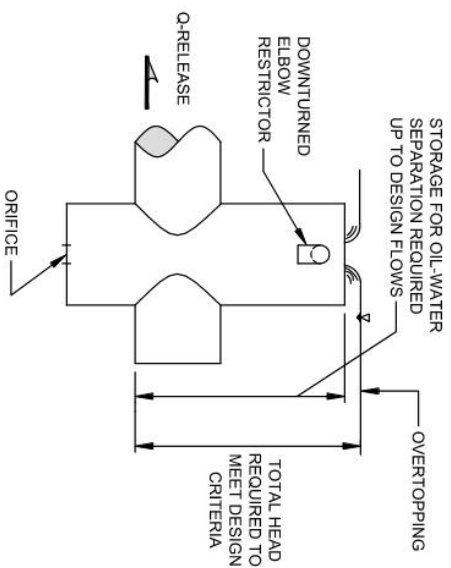


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WATER QUALITY INFILTRATION TRENCH SYSTEM

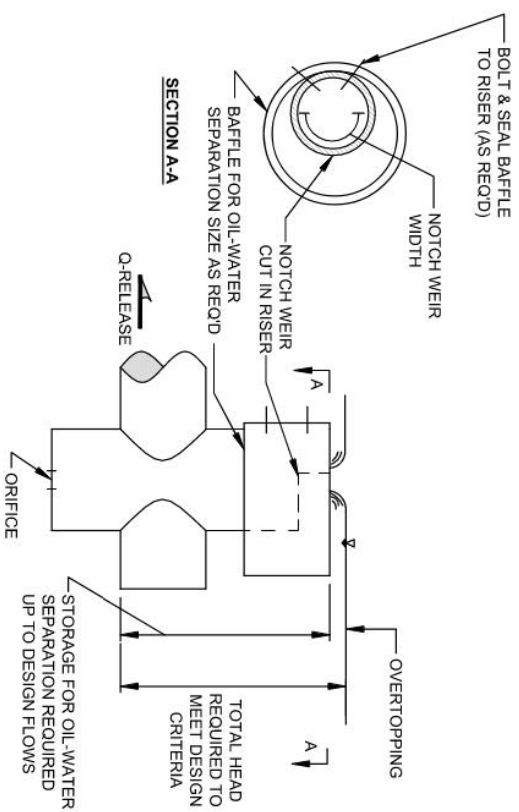
SECTION B - 14.0

ORDINANCE: 2021-xxx
EFFECTIVE DATE: 7/1/2021



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 WITH ORIFICE AND NOTCH CONTROL

SECTION B - 15.0

ORDINANCE: 2021-xxx
EFFECTIVE DATE: 7/1/2021