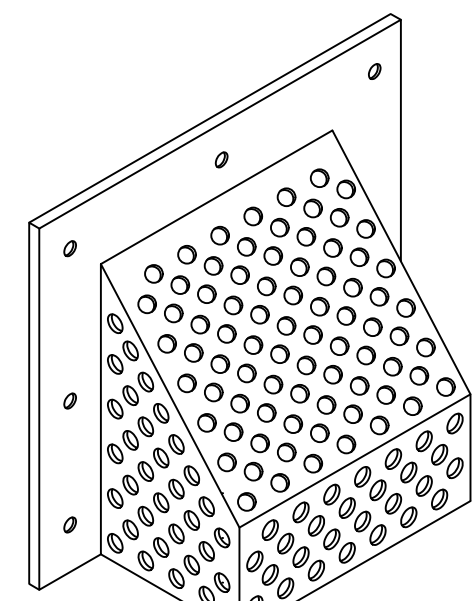
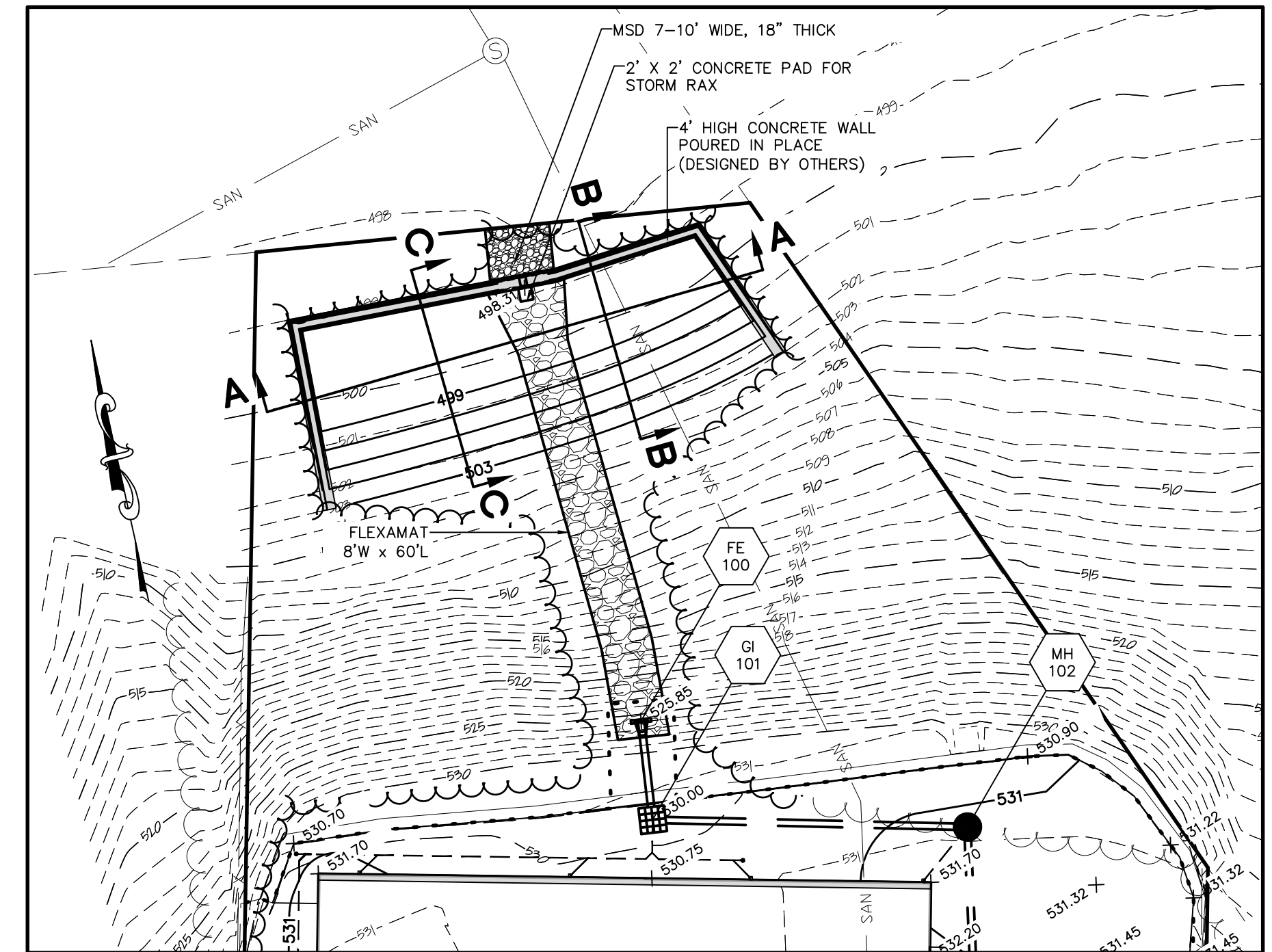
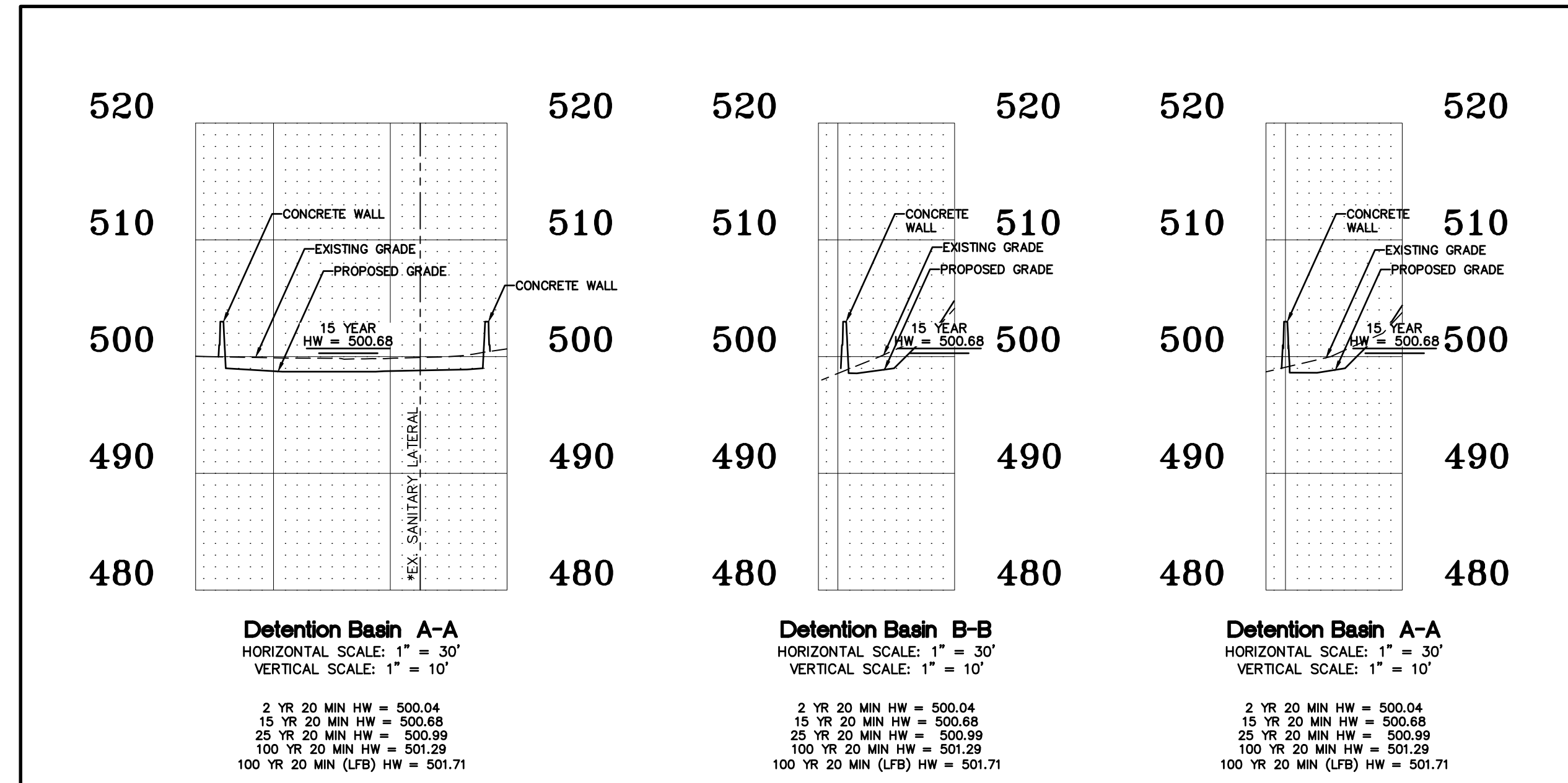
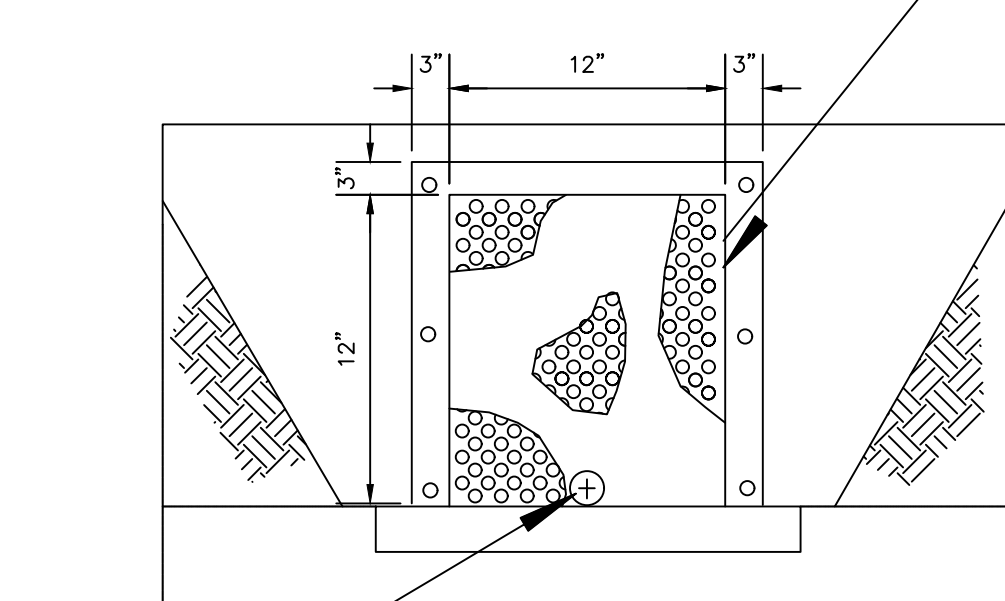


OUTFALL DETAIL
NOT TO SCALE

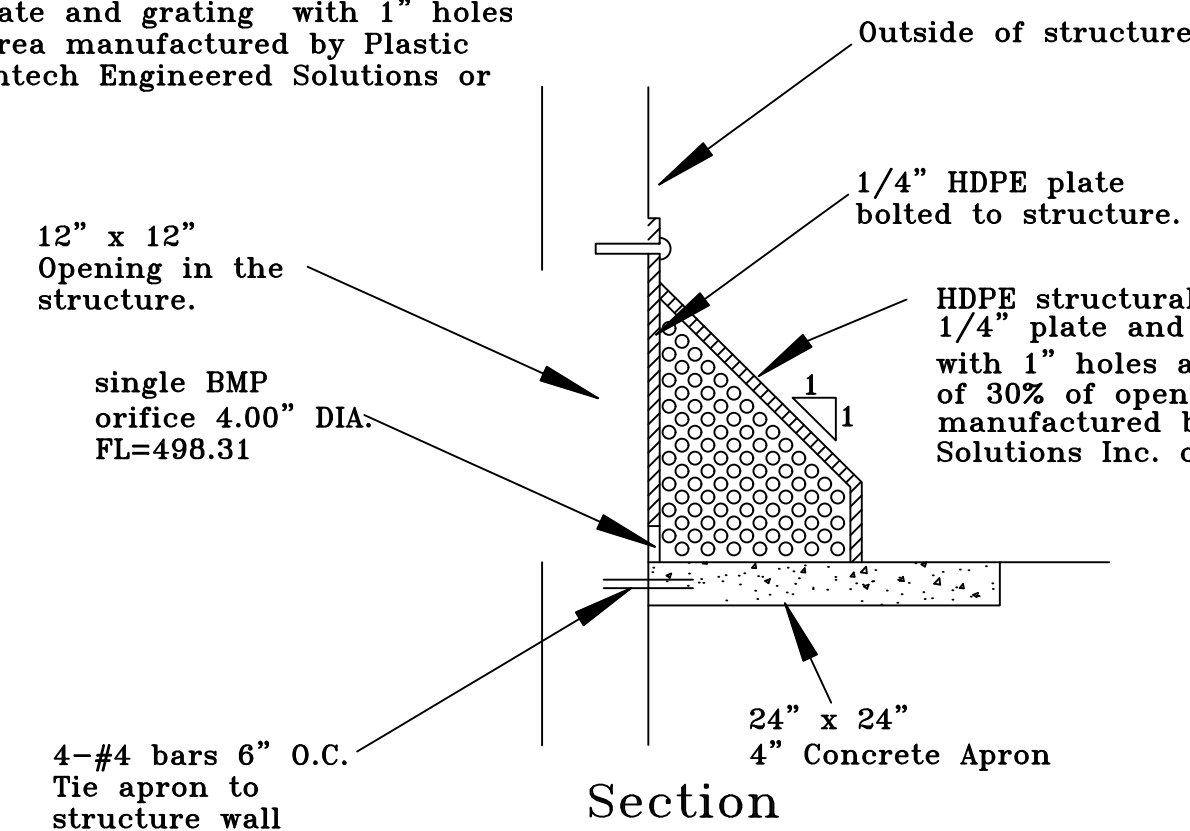


Isometric



single BMP orifice 4.00" DIA. FL=498.31

Elevation

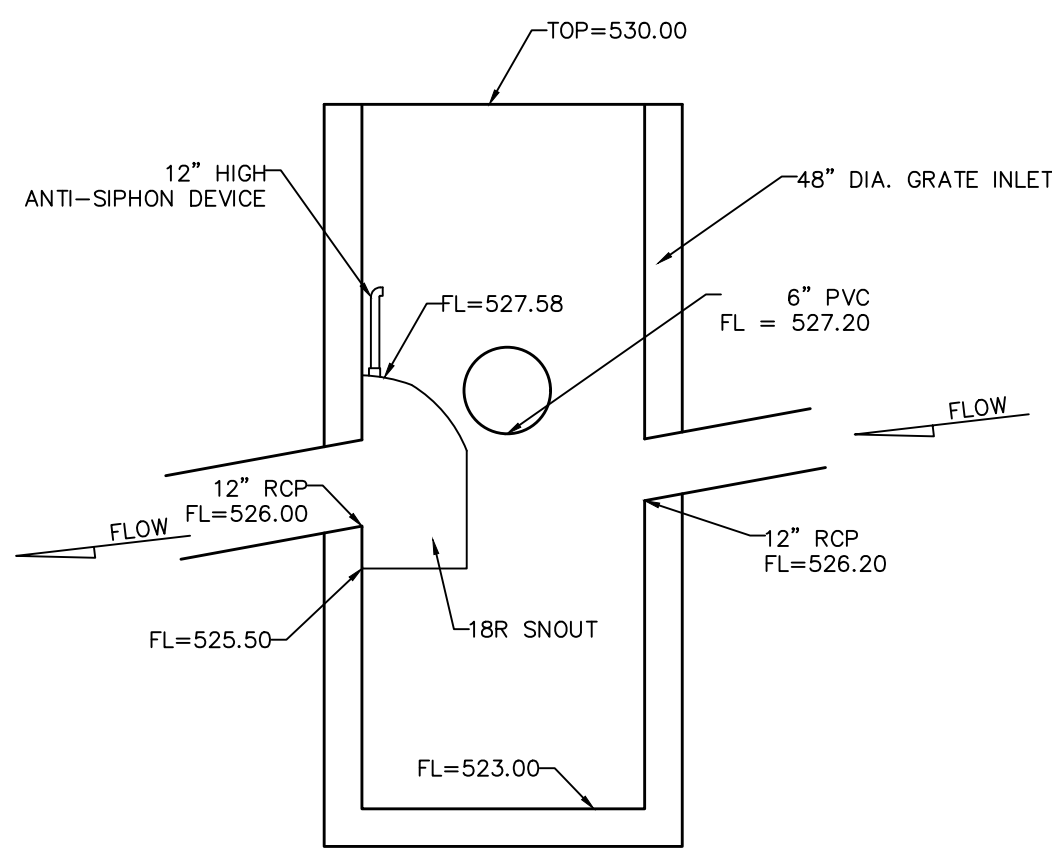


12" x 12" Opening in the structure.
single BMP orifice 4.00" DIA. FL=498.31

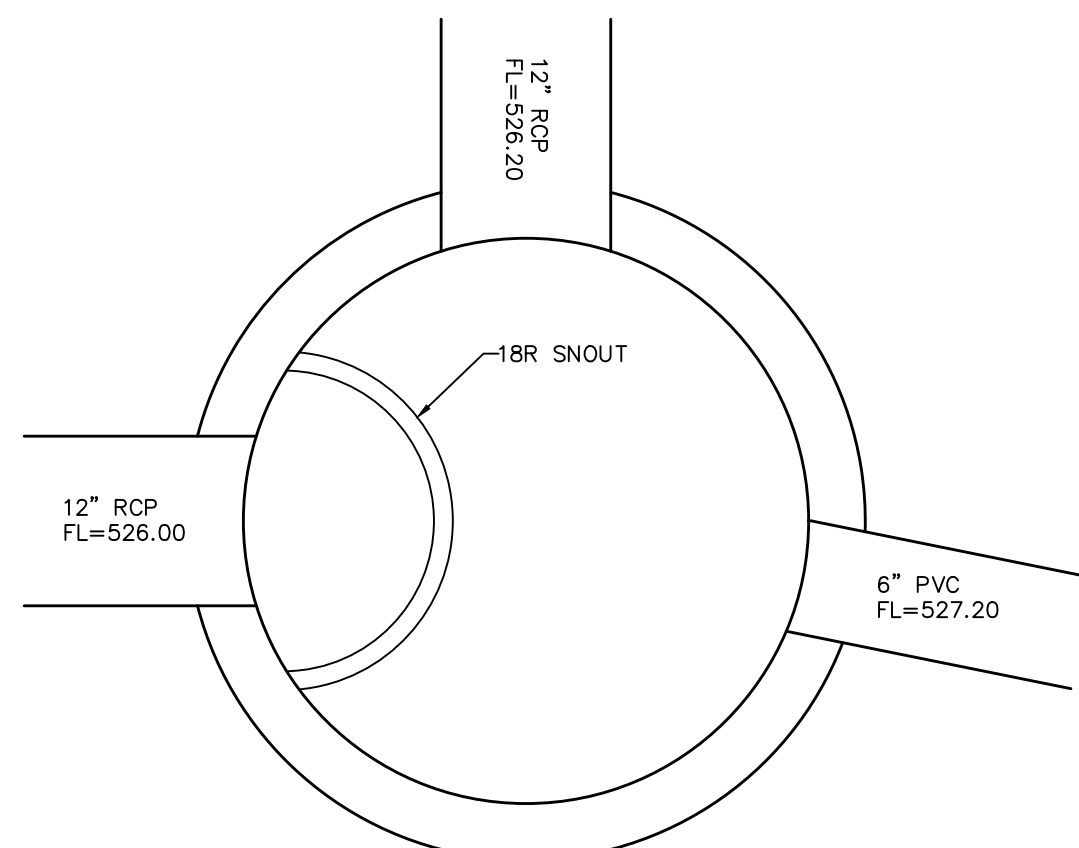
4-#4 bars 6" O.C. Tie apron to structure wall

Section

STORM RAX BMP DEBRIS CAGE
N.T.S.

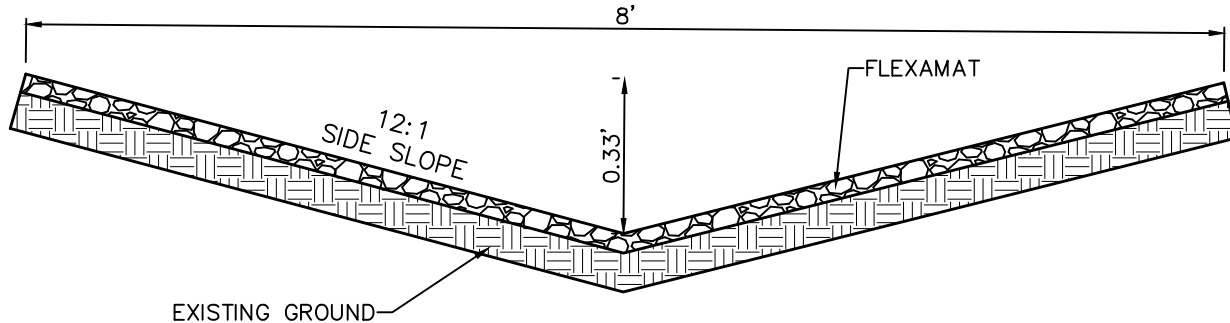


SNOUT DETAIL GI 101 SIDE VIEW
NOT TO SCALE

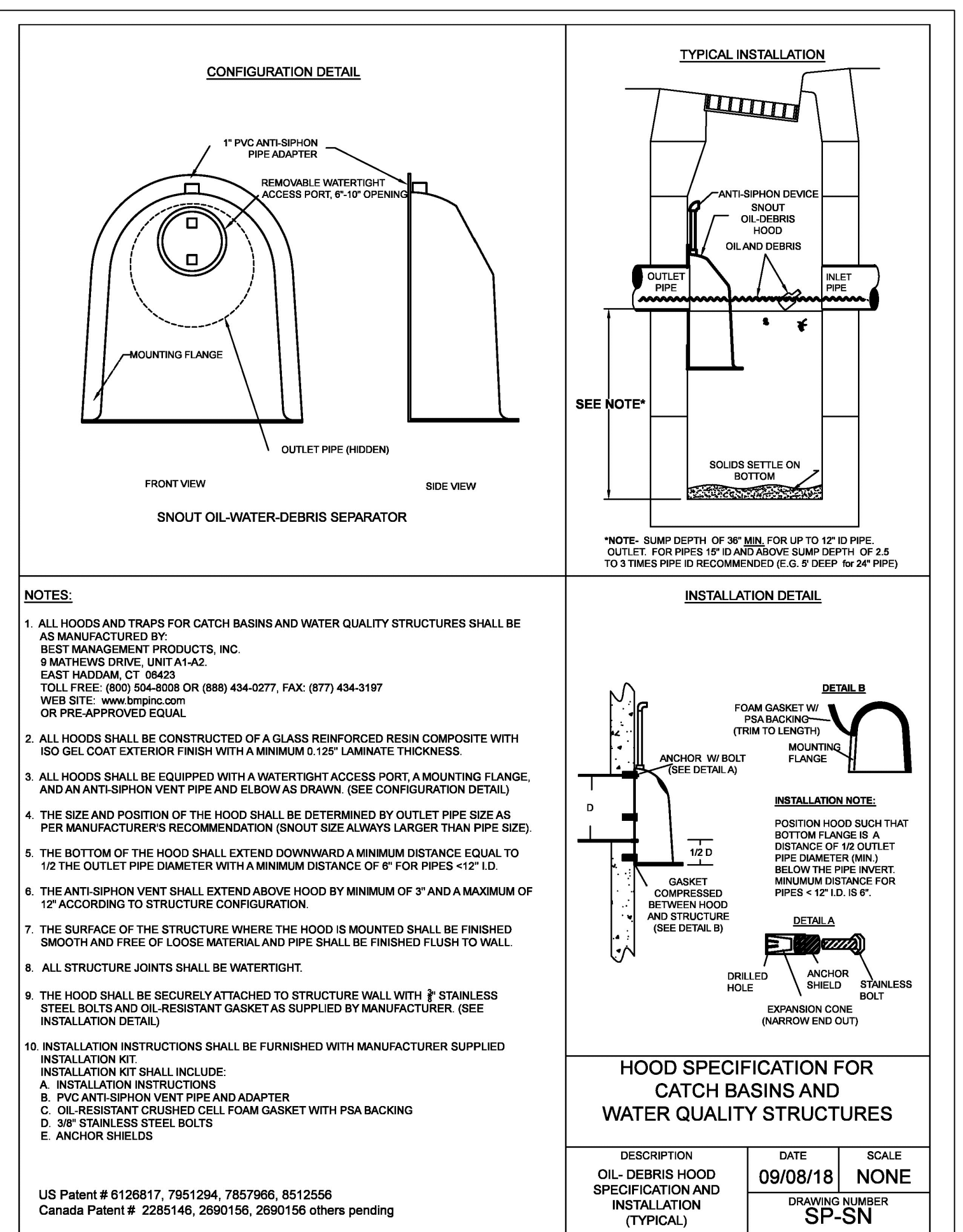
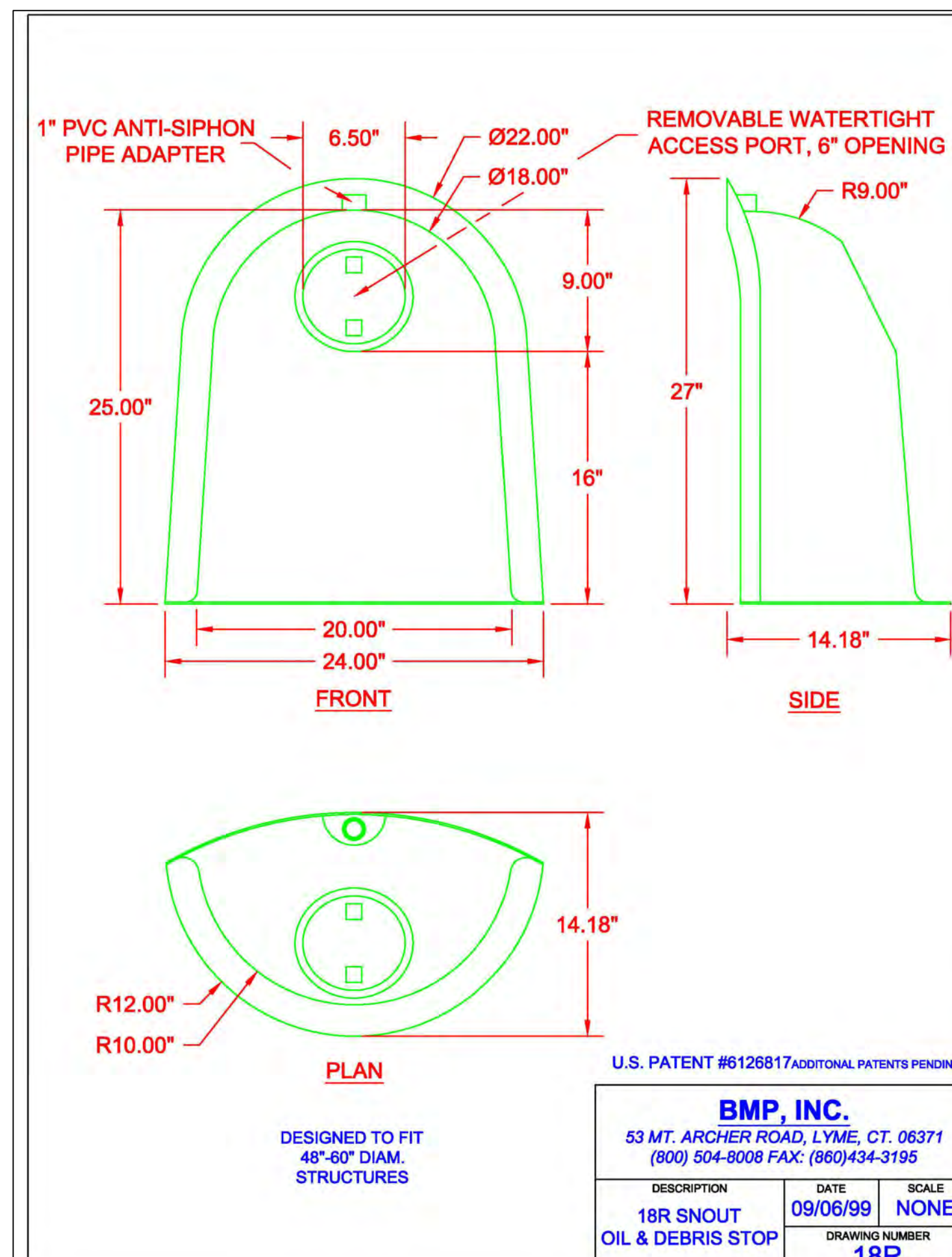


SNOUT DETAIL GI 101 PLAN VIEW
NOT TO SCALE

- Snout Maintenance Recommendations:
- 1) Monthly monitoring for the first year of a new installation after the site has been stabilized is a recommended practice.
 - 2) Measurements should be taken after each rain event of 0.50 inches or more, or monthly, as determined by local weather conditions.
 - 3) Checking sediment depth and noting the surface pollutants in the structure will be helpful in planning maintenance.
 - 4) The pollutants collected in SNOUT equipped structures will consist of floatable debris and oils on the surface of the captured water, and grit and sediment on the bottom of the structure.
 - 5) It is best to schedule maintenance based on the solids collected in the sump.
 - 6) Optimally, the structure should be cleaned when the sump is half full (e.g. when 2 feet of material collects in a 4 foot sump, clean it out).
 - 7) Structures should also be cleaned if a spill or other incident causes a larger than normal accumulation of pollutants in a structure.
 - 8) Maintenance is best done with a vacuum truck.
 - 9) If Bio-Skirts are being used in the structure to enhance hydrocarbon capture, they should be checked on a monthly basis for the first year, and serviced or replaced when more than 2/3 of the boom is submerged, indicating a nearly saturated state. Assuming a typical pollutant-loading environment exists, Bio-Skirts should be serviced annually or replaced as necessary.
 - 10) In the case of an oil spill, the structure should be checked and serviced and Bio-Skirts (if present) replaced or serviced immediately.
 - 11) All collected wastes must be handled and disposed of according to local environmental requirements.
 - 12) To maintain the SNOUT hoods, an annual inspection of the anti-siphon vent and access hatch are recommended. A simple flushing of the vent, or a gentle rodding with a flexible wire are all that's typically needed to maintain the anti-siphon properties. Opening and closing the access hatch once a year ensures a lifetime of trouble-free service.



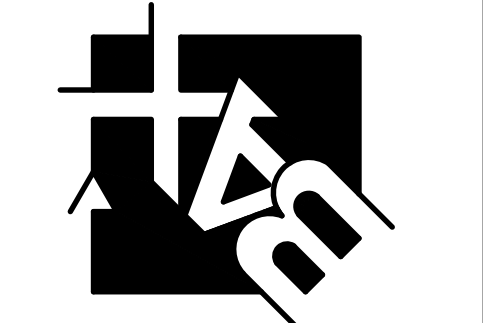
FLEXAMAT CHANNEL CROSS-SECTION
NOT TO SCALE



ENGINEER SEAL DOES NOT APPLY TO BMP INC. DETAILS

PROJECT TITLE:
CONSTRUCTION PLANS FOR Progressive Installations
Building Addition
8478 Mexico Road
O'Fallon, MO 63376

ENGINEERING PLANNING SURVEYING
221 Point West Blvd.
St. Charles, MO 63301
636-828-5652
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STATE OF MISSOURI
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PROFESSIONAL ENGINEER
10/18/22
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Authority No. 000655
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REVISIONS

| | |
|----------|---------------|
| 09-16-22 | CITY COMMENTS |
| 10-18-22 | CITY COMMENTS |

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| | |

Developer / Owner:
Raytech, L.L.C.
25 Skye Court
O'Fallon, MO 63368
(314) 565-8053

P+Z No. 21-010104
Approved: 12-02-21

City No. #

Page No. 7 of 9

Issue Date: 06/10/2022

SITE/GRADING PLAN