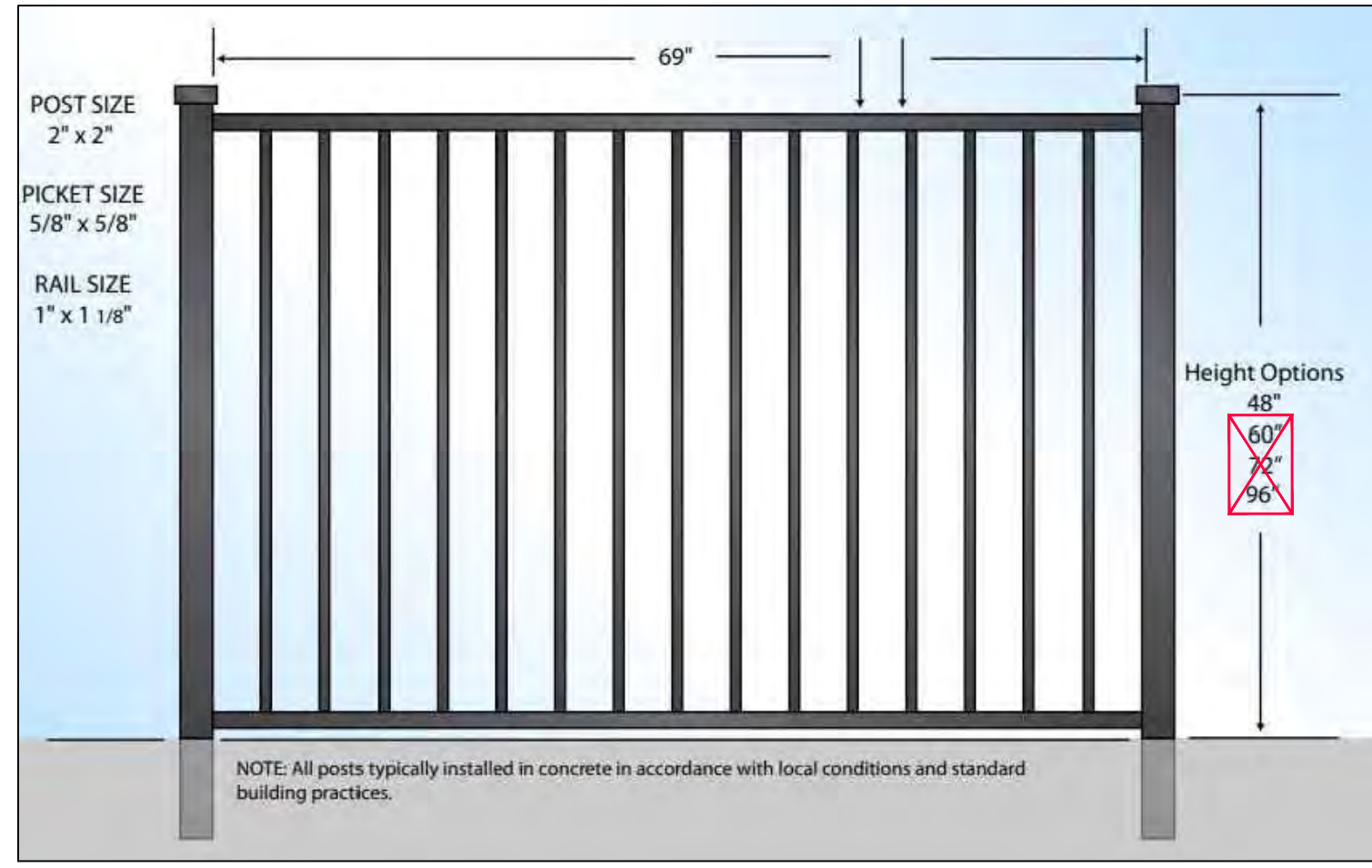
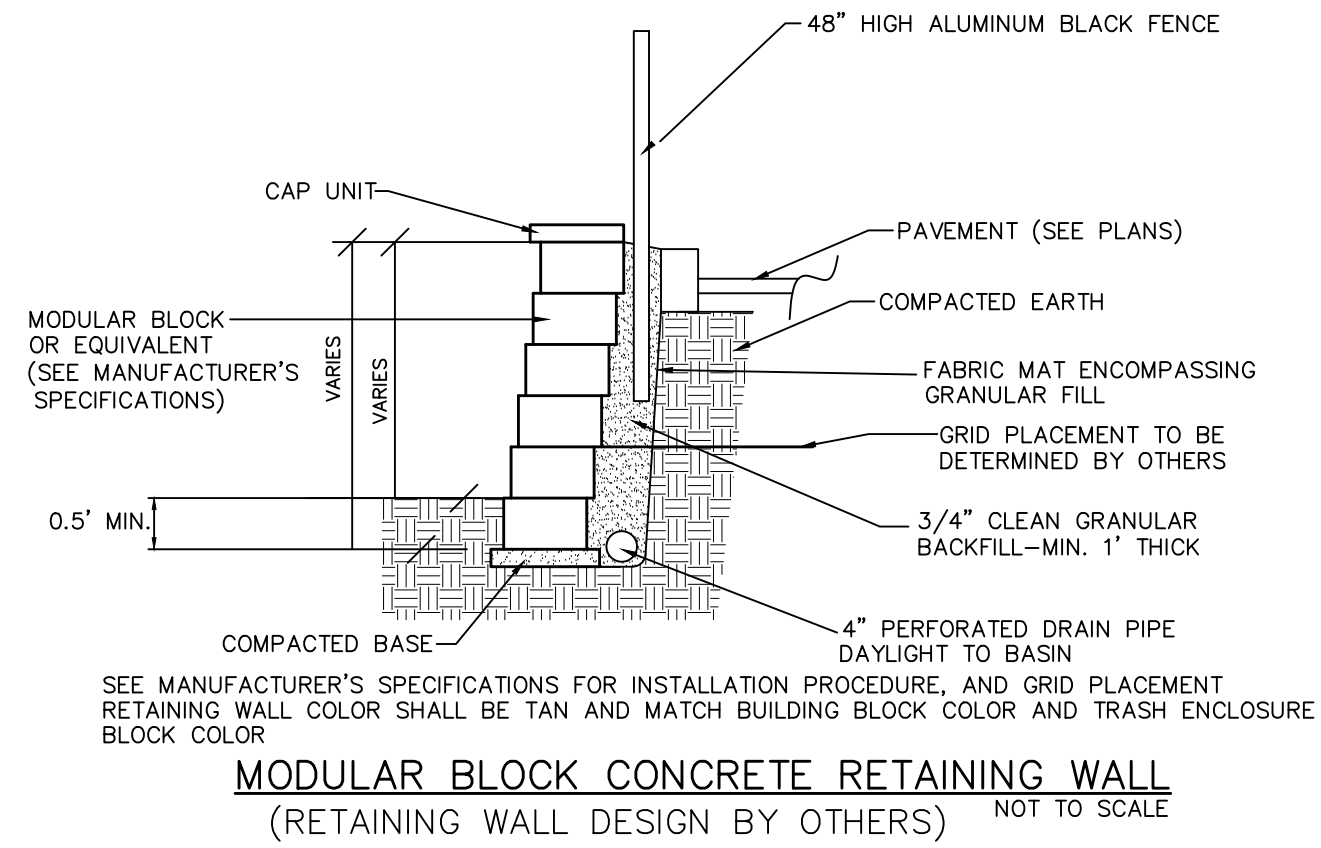


**Retaining Wall Detail**

SCALE: 1"=20'  
NOTE: TW = TOP OF WALL  
\*\* = EXISTING GRADE



**48" HIGH ALUMINUM BLACK FENCE**  
NOT TO SCALE

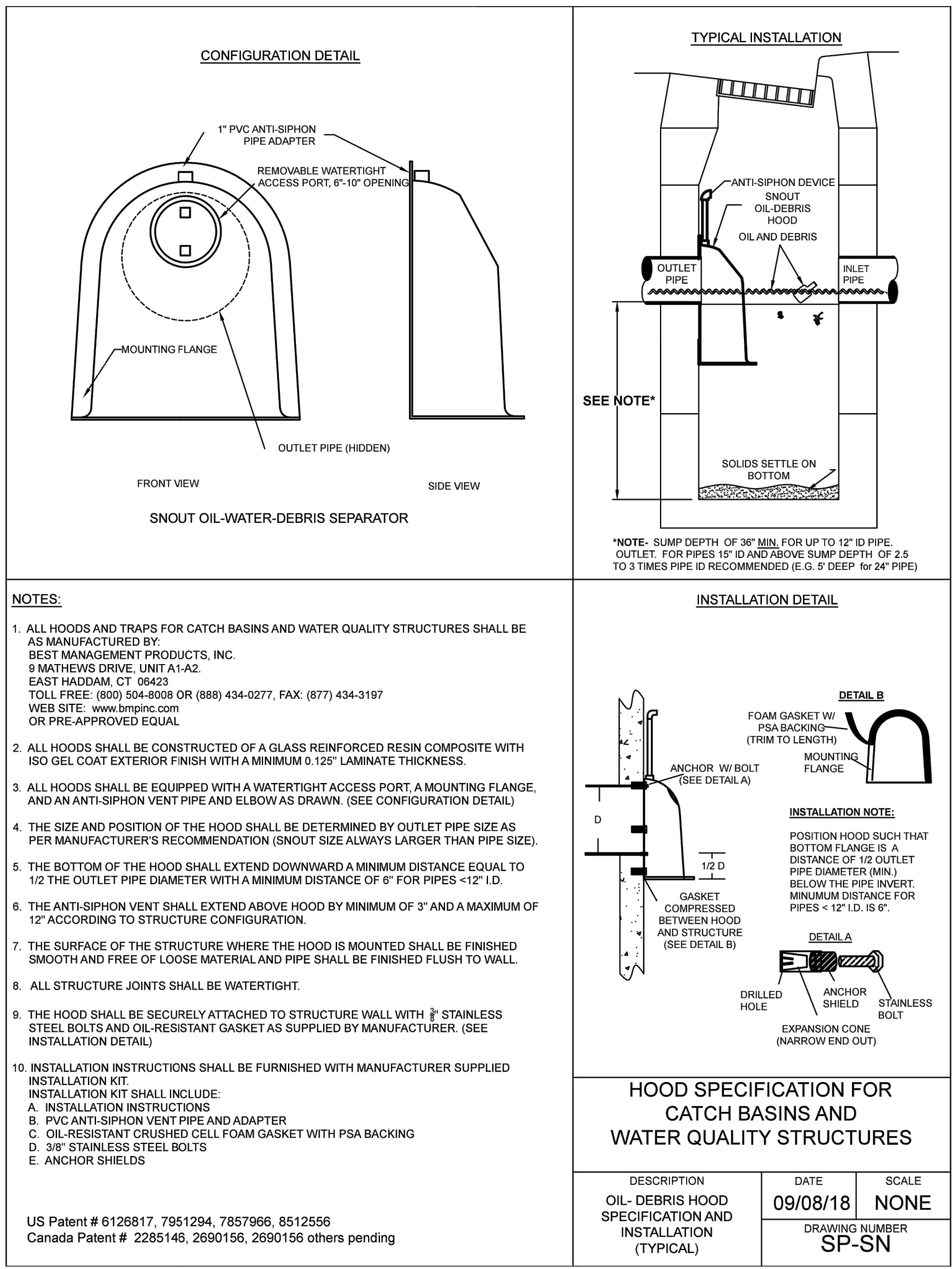
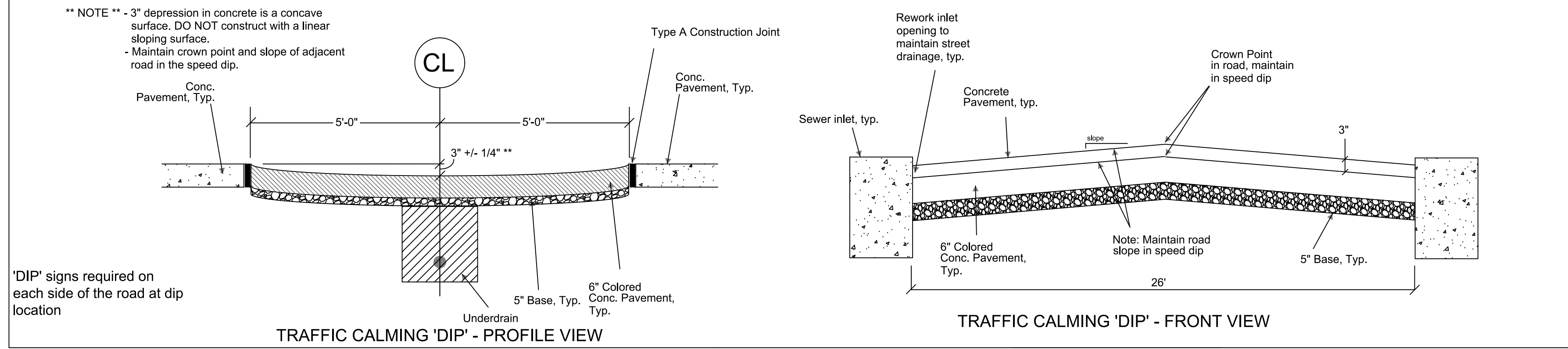


**MODULAR BLOCK CONCRETE RETAINING WALL**  
(RETAINING WALL DESIGN BY OTHERS) NOT TO SCALE



**CALL BEFORE YOU DIG!**  
1-800-DIG-RITE

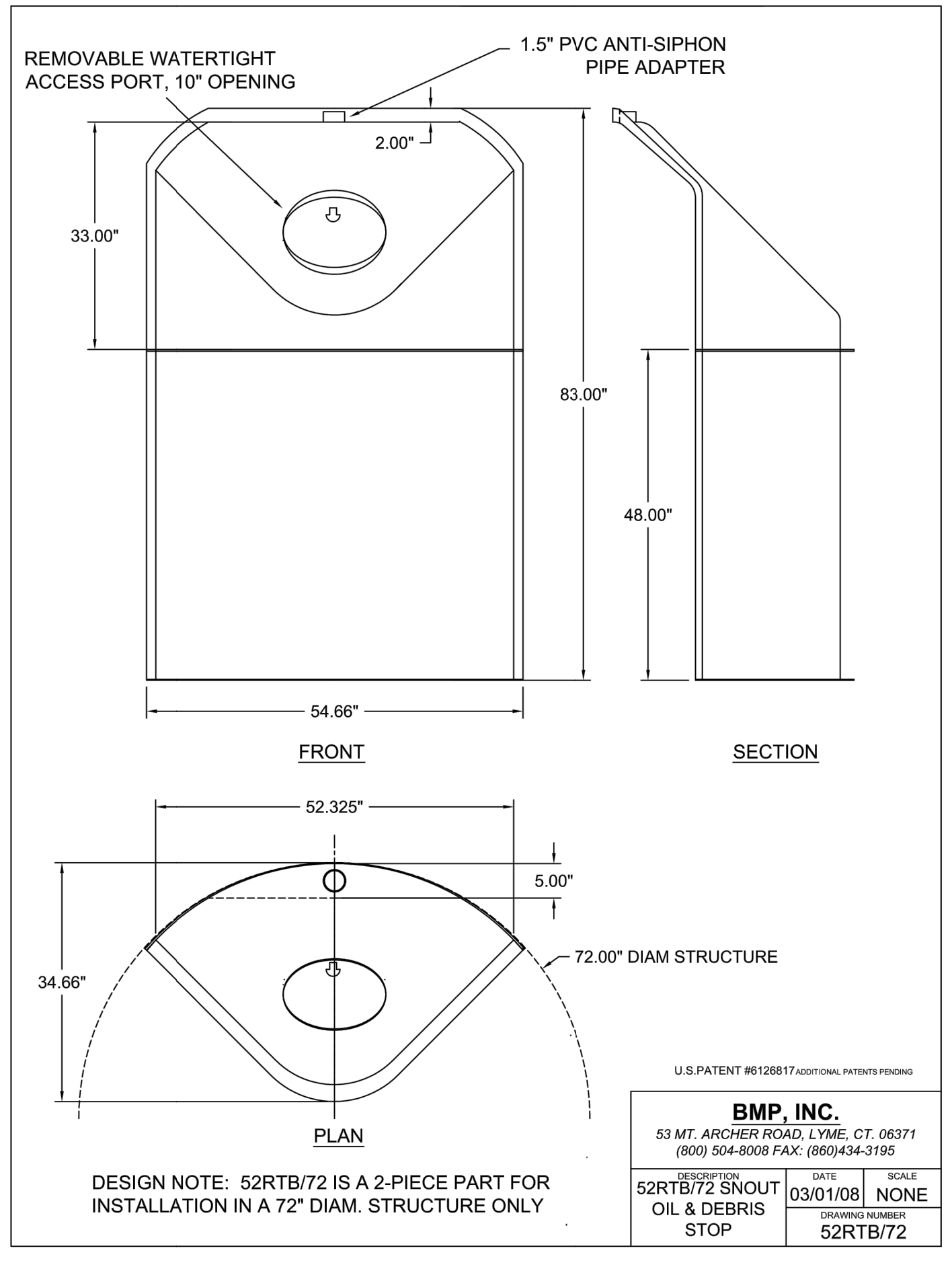
UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE INFORMATION AND THEREFORE THEIR LOCATIONS SHALL BE CONSIDERED APPROXIMATE ONLY. THE VERIFICATION OF THE LOCATION OF ALL UNDERGROUND UTILITIES, EITHER SHOWN OR NOT SHOWN ON THESE PLANS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, AND SHALL BE LOCATED PRIOR TO ANY GRADING OR CONSTRUCTION OF THE IMPROVEMENTS.



- NOTES:**
- ALL HOODS AND TRAPS FOR CATCH BASINS AND WATER QUALITY STRUCTURES SHALL BE AS MANUFACTURED BY BEST MANAGEMENT PRODUCTS, INC. 11017 WOODSTOCK/7500 EAST HADDAM, CT 06423. TOLL FREE: (800) 594-8008 OR (860) 434-0227, FAX: (877) 434-3197. WEB SITE: www.bmpinc.com OR PRE-APPROVED EQUAL.
  - ALL HOODS SHALL BE CONSTRUCTED OF A GLASS REINFORCED RESIN COMPOSITE WITH ISO GEL COAT EXTERIOR FINISH WITH A MINIMUM 0.120" LAMINATE THICKNESS.
  - ALL HOODS SHALL BE EQUIPPED WITH A WATERTIGHT ACCESS PORT, A MOUNTING FLANGE, AND AN ANTI-SIPHON VENT PIPE AND ELBOW AS DRAWN. (SEE CONFIGURATION DETAIL).
  - THE SIZE AND POSITION OF THE HOOD SHALL BE DETERMINED BY OUTLET PIPE SIZE AS PER MANUFACTURER'S RECOMMENDATION (CONDUIT SIZE ALWAYS LARGER THAN PIPE SIZE).
  - THE BOTTOM OF THE HOOD SHALL EXTEND DOWNWARD A MINIMUM DISTANCE EQUAL TO 1/2 THE OUTLET PIPE DIAMETER WITH A MINIMUM DISTANCE OF 6" FOR PIPES < 12" I.D.
  - THE ANTI-SIPHON VENT SHALL EXTEND ABOVE HOOD BY MINIMUM OF 3" AND A MAXIMUM OF 12" ACCORDING TO STRUCTURE CONFIGURATION.
  - THE SURFACE OF THE STRUCTURE WHERE THE HOOD IS MOUNTED SHALL BE FINISHED SMOOTH AND FREE OF LOOSE MATERIAL AND PIPE SHALL BE FINISHED FLUSH TO WALL.
  - ALL STRUCTURE JOINTS SHALL BE WATERTIGHT.
  - THE HOOD SHALL BE SECURELY ATTACHED TO STRUCTURE WALL WITH 2" STAINLESS STEEL BOLTS AND OIL-RESISTANT GASKET AS SUPPLIED BY MANUFACTURER. (SEE INSTALLATION DETAIL).
  - INSTALLATION INSTRUCTIONS SHALL BE FURNISHED WITH MANUFACTURER SUPPLIED INSTALLATION KIT.

**HOOD SPECIFICATION FOR CATCH BASINS AND WATER QUALITY STRUCTURES**

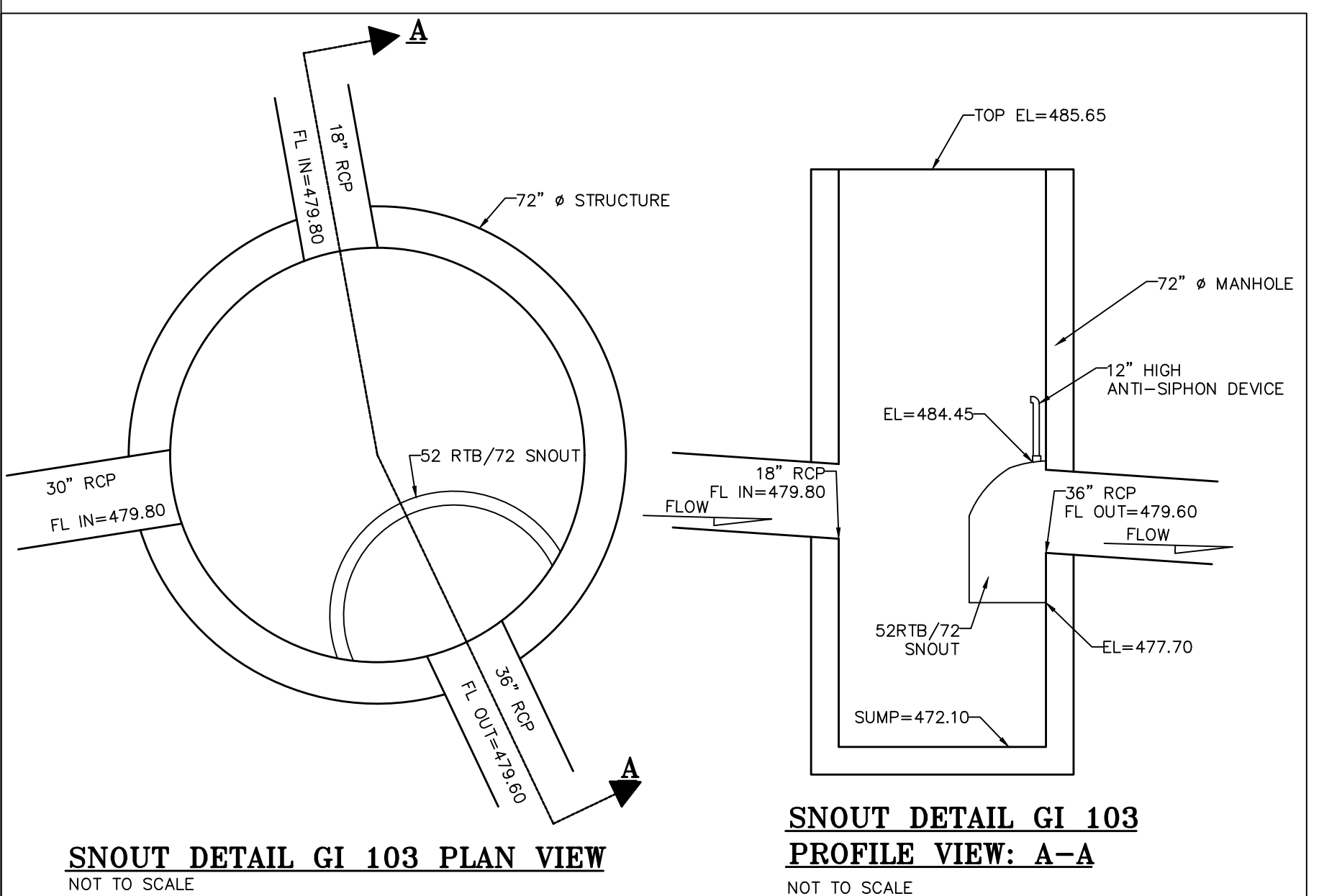
DESCRIPTION	DATE	SCALE
OIL-DEBRIS HOOD SPECIFICATION AND INSTALLATION (TYPICAL)	09/08/18	NONE
INSTALLATION (TYPICAL)		SP-SN



DESIGN NOTE: 52RTB/72 IS A 2-PIECE PART FOR INSTALLATION IN A 72" DIAM. STRUCTURE ONLY

**BMP, INC.**  
53 MT. ARCHER ROAD, LYME, CT. 06371  
(800) 594-8008 FAX: (860) 434-3195

DESCRIPTION	DATE	SCALE
52RTB/72 SNOUT OIL & DEBRIS STOP	03/01/08	NONE
DRAWING NUMBER		52RTB/72



**SNOUT DETAIL GI 103 PLAN VIEW**  
NOT TO SCALE

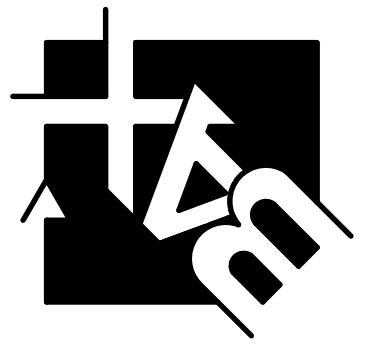
**SNOUT DETAIL GI 103 PROFILE VIEW: A-A**  
NOT TO SCALE

- Snout Maintenance Recommendations:**
- Monthly monitoring for the first year of a new installation after the site has been stabilized is a recommended practice.
  - Measurements should be taken after each rain event of 0.50 inches or more, or monthly, as determined by local weather conditions.
  - Checking sediment depth and noting the surface pollutants in the structure will be helpful in planning maintenance.
  - 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.
  - It is best to schedule maintenance based on the solids collected in the sump.
  - 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).
  - Structures should also be cleaned if a spill or other incident causes a larger than normal accumulation of pollutants in a structure.
  - Maintenance is best done with a vacuum truck.
  - 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.
  - In the case of an oil spill, the structure should be checked and serviced and Bio-Skirts (if present) replaced or serviced immediately.
  - All collected wastes must be handled and disposed of according to local environmental requirements.
  - 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 ridding 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.

**ENGINEER SEAL DOES NOT APPLY BMP INC. AND CITY OF O'FALLON DETAILS**

**PROJECT TITLE:**  
CONSTRUCTION PLANS FOR  
Scrubbers Car Wash  
Highway K  
O'Fallon, MO 63368

**ENGINEERING PLANNING SURVEYING**  
221 Point West Blvd.  
St. Charles, MO 63301  
636-928-5552  
FAX 636-928-1718



**DISCLAIMER OF RESPONSIBILITY**  
I hereby certify that the documents intended to be authenticated by my seal are limited to this sheet, and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be used for any part or parts of the architectural or engineering project.



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**REVISIONS**

NO.	DATE	REVISION
08-03-23		FORCE MAIN
09-13-23		CONTRACTOR/PM/SD COMMENTS
09-27-23		REPLACE RETAINING WALL
10-26-23		CITY COMMENTS
11-08-23		PAY CANOPY REV.
12-06-23		CITY COMMENTS
12-13-23		PWS COMMENTS
12-18-23		MODOT COMMENTS
01-10-24		LIGHT STANDARDS

**Developer / Owner:**  
Tifton Car Wash, L.L.C.  
P.O. Box 7726  
Tifton, GA 31793  
(229) 520-2244

**P+Z No.** 22-007743  
**Approved:** 10-06-22  
**City No.** #

**Page No.** 17 of 18

**CONSTRUCTION DETAILS**

Box Project # 68-10029P Issue Date: 07/21/2023