

FOCALPOINT HPMBS PERFORMANCE SPECIFICATION:

HIGH PERFORMANCE MEDIA

- HIGH PERFORMANCE MEDIA MUST MEET A GENERAL USE LEVEL DESIGNATION (GULD) FOR BASIC TSS TREATMENT AT A HYDRAULIC LOADING RATE OF 1.6 GPM/FT².

HIGH PERFORMANCE STRUCTURAL UNDERDRAIN

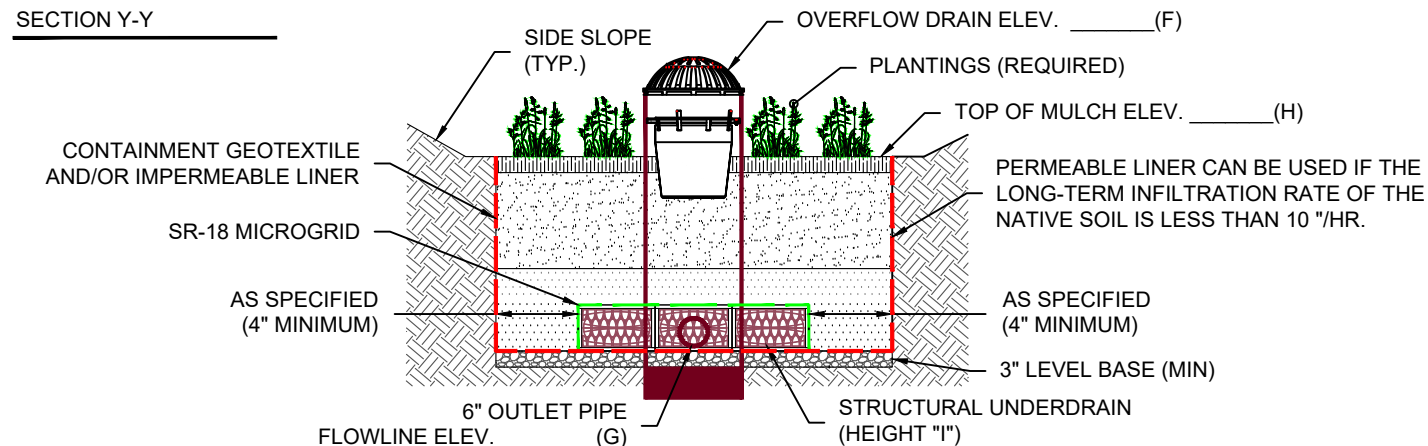
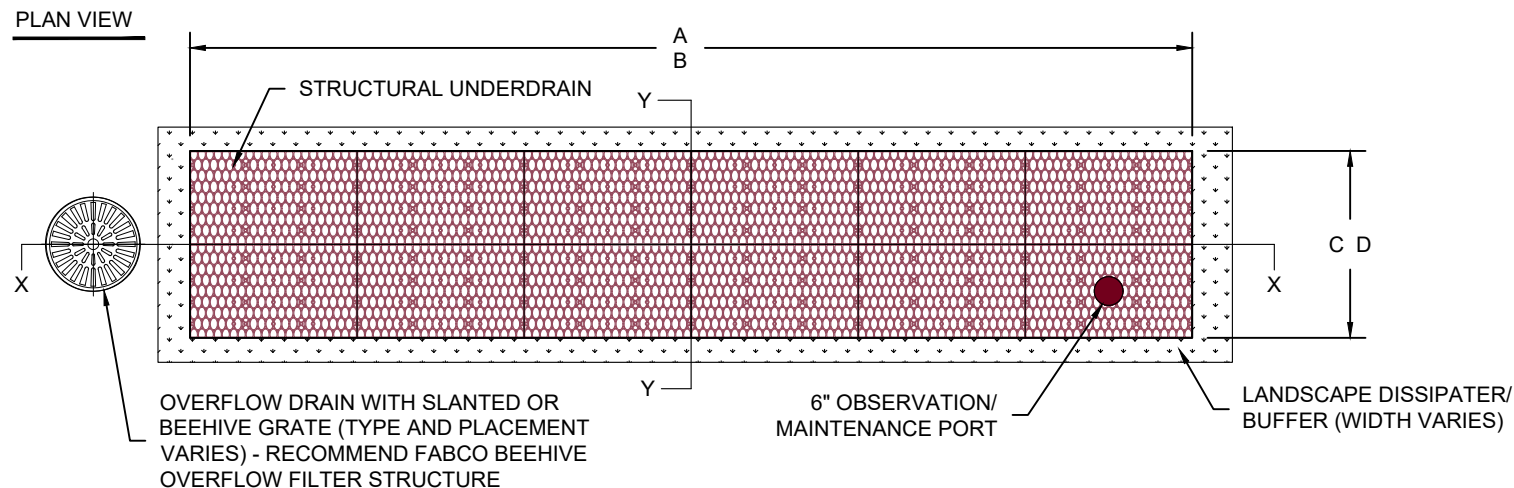
- MUST HAVE A MINIMUM OF 19 SQUARE INCHES OF ORIFICE OPENING PER SQUARE FOOT.
- MUST MEET HS-20 LOADING REQUIREMENTS.
- MUST BE MODULAR IN NATURE AND ASSEMBLED ON SITE.
- MUST HAVE MINIMUM 90% INTERIOR VOID SPACE.

PLANT COMPONENT

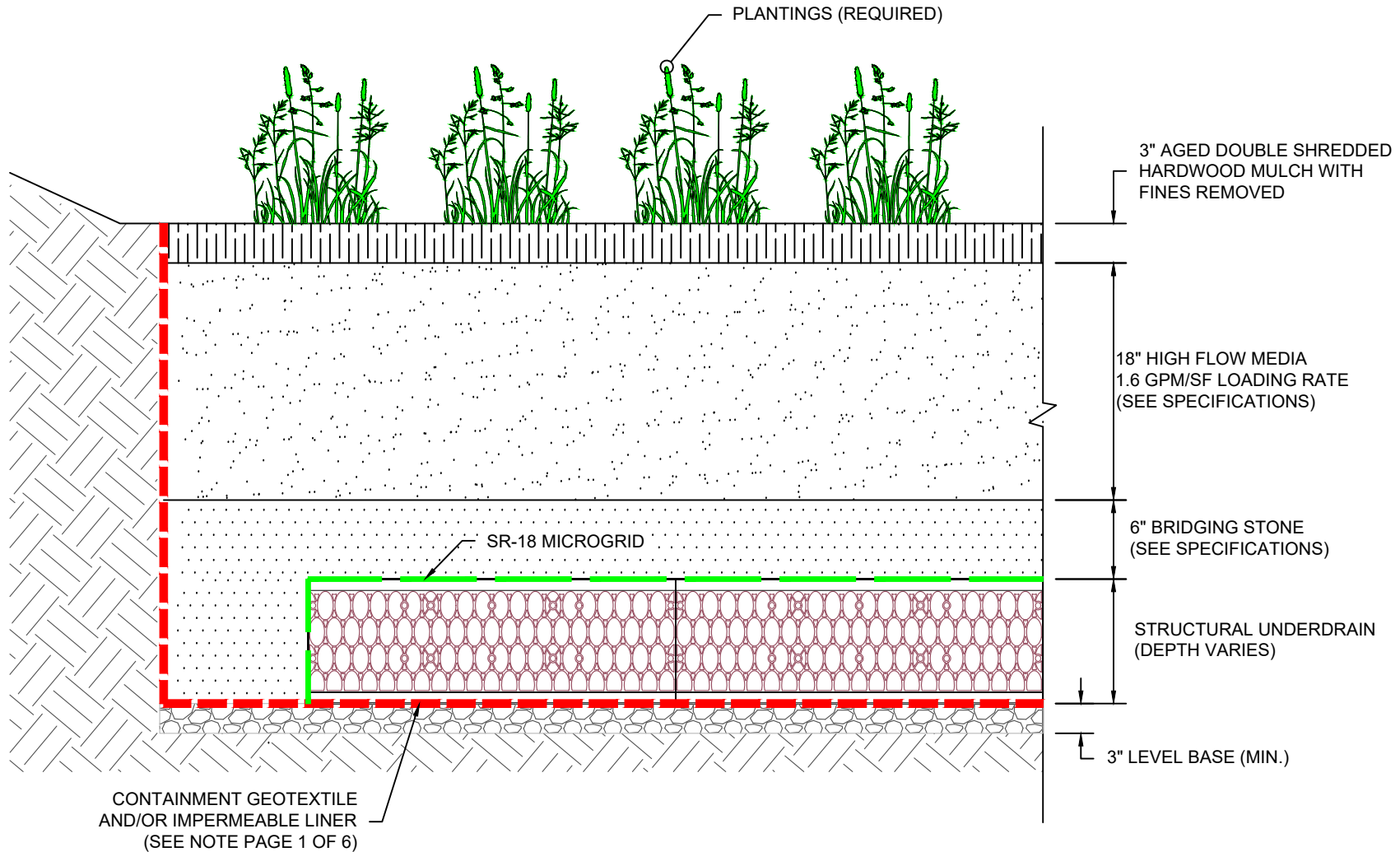
- SUPPLIER SHALL PROVIDE LIST OF ACCEPTABLE PLANTS
- IF PLANTS ARE NOT INCLUDED IN THE LANDSCAPE CONTRACT/PLANS, SITE CONTRACTOR SHALL PROVIDE PLANTS.
- PLANTS SHALL BE INSTALLED AT THE TIME THE SYSTEM IS COMMISSIONED FOR USE. PLANTING OUTSIDE THIS TIME REQUIRES APPROVAL BY THE ENGINEER/LANDSCAPE ARCHITECT OF RECORD.
- SEE FOCALPOINT INSTALLATION GUIDE FOR PLANT SPACING, PLANTING PROCEDURES ETC.

FOCALPOINT HPMBS CONSTRUCTION GUIDE

A	FOCALPOINT LENGTH	
B	# UNDERDRAIN LONG	
C	FOCALPOINT WIDTH	
D	# UNDERDRAIN WIDE	
E	WATER QUALITY VOLUME	
F	OVERFLOW ELEVATION	
G	OVERFLOW FLOWLINE	
H	TOP OF MULCH	
J	UNDERDRAIN HEIGHT	

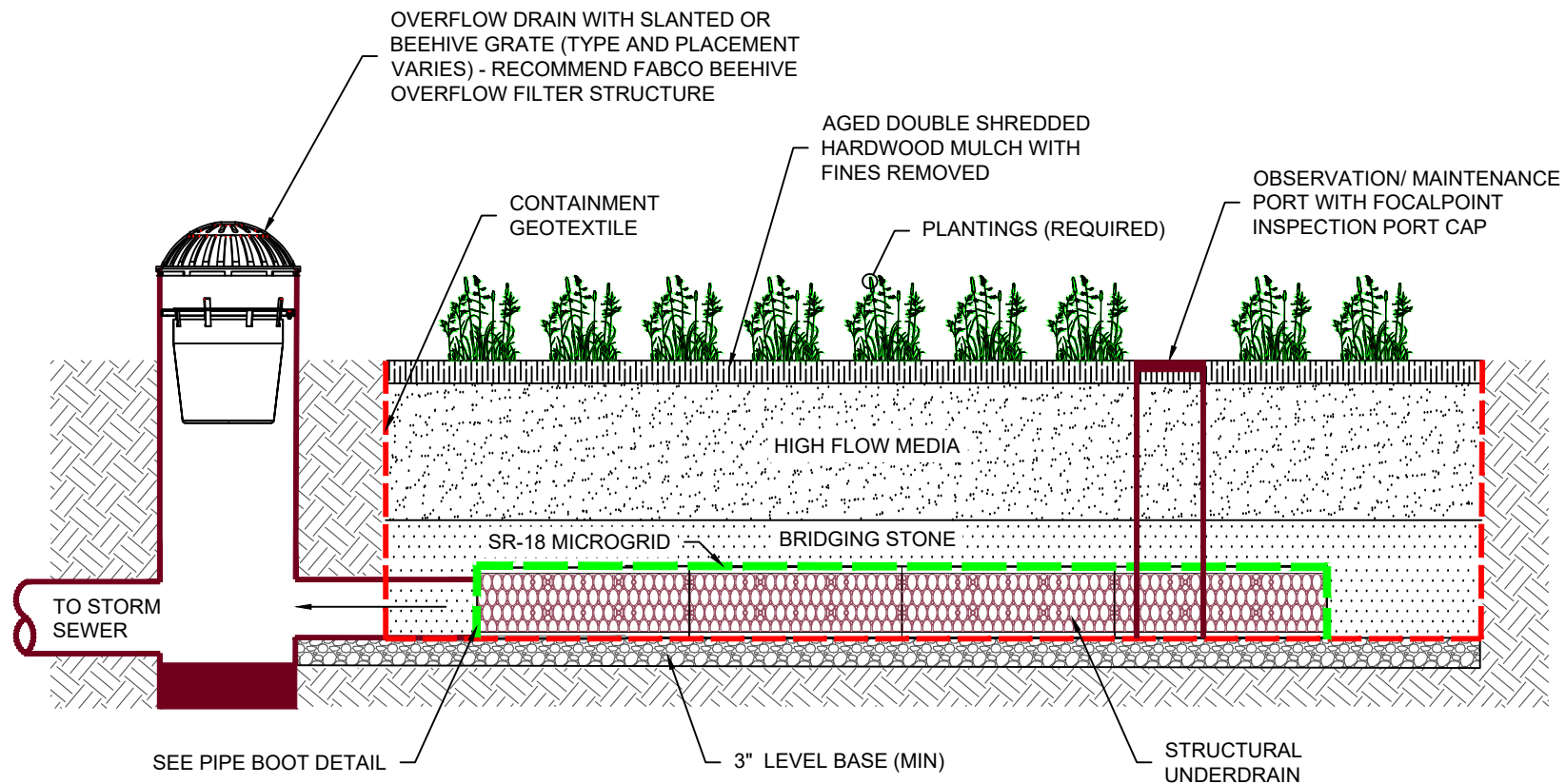


DETAILED CROSS SECTION

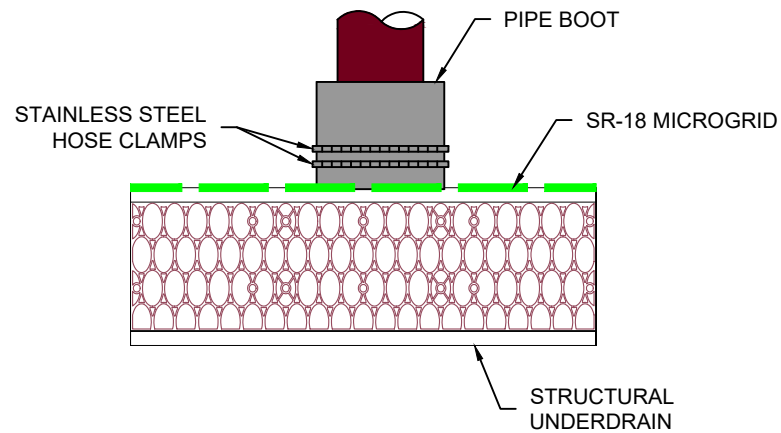


FOCALPOINT HPMBs DETAILED CROSS SECTION

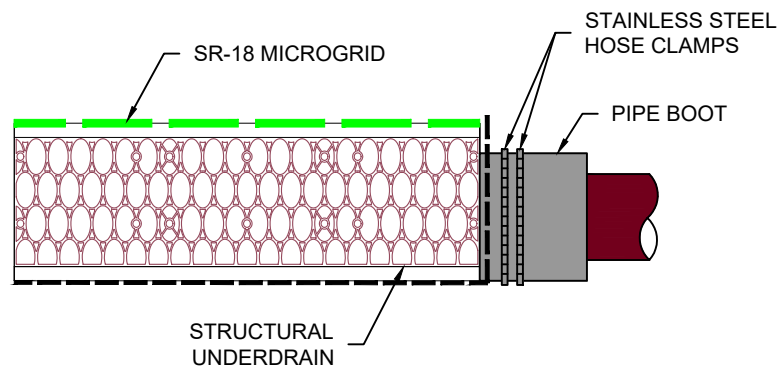
SECTION X-X



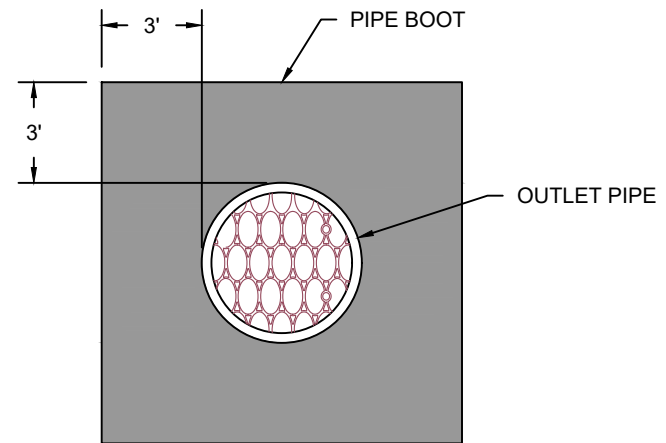
OBSERVATION/ MAINTENANCE PORT CONNECTION



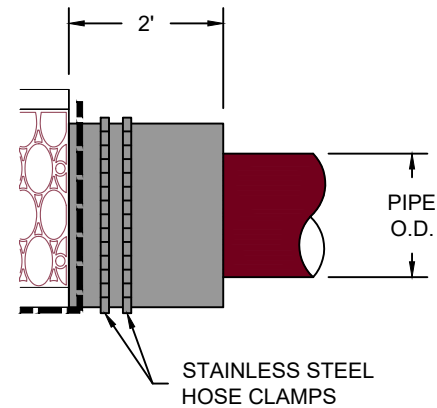
OUTLET/ INLET PIPE CONNECTION



PIPE BOOT DETAIL



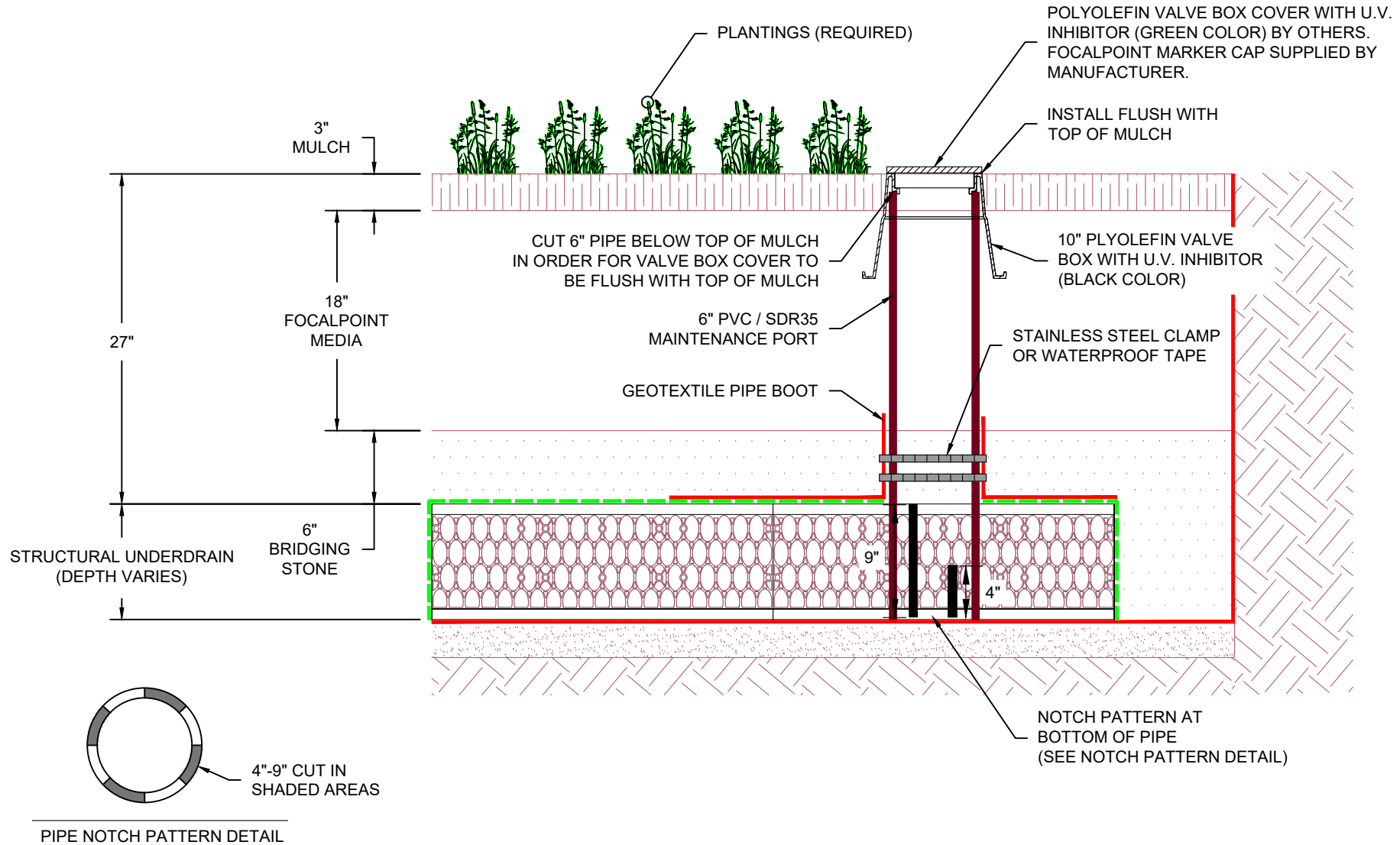
FRONT VIEW



SIDE VIEW

OBSERVATION/ MAINTENANCE PORT

PORT USED FOR INSPECTION PURPOSES AND FOR SYSTEM MAINTENANCE AS REQUIRED. WATER SHALL BE PUMPED INTO THE SYSTEM AND RESUSPEND ACCUMULATED SEDIMENT. MINIMUM REQUIRED MAINTENANCE INCLUDES A QUARTERLY INSPECTION FOR THE FIRST YEAR OF OPERATION AND A YEARLY INSPECTION THEREAFTER FLUSH AS NEEDED.



NOTES:

1. MATERIAL:

- A) SUPPORT FLANGE: ALUMINUM ALLOY PLATE, 5000 SERIES
- B) STORMSOK: WOVEN POLYPROPYLENE GEOTEXTILE
- C) EXPANSION RING: ALUMINUM ALLOY CHANNEL, 6000 SERIES
- D) HARDWARE: STAINLESS STEEL

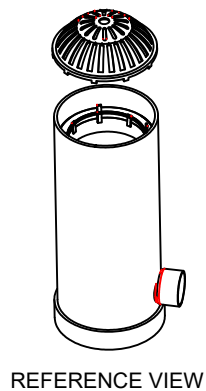
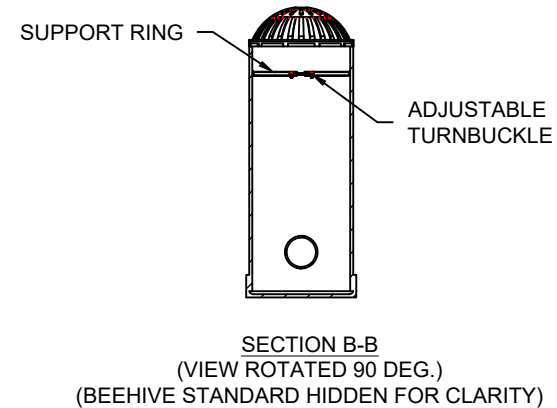
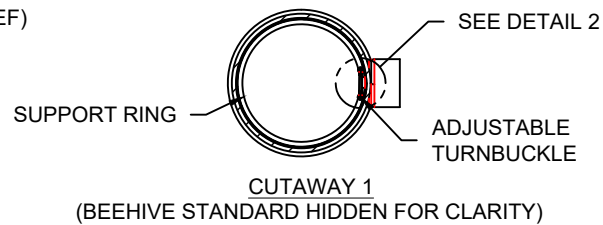
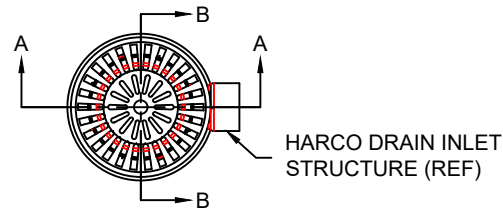
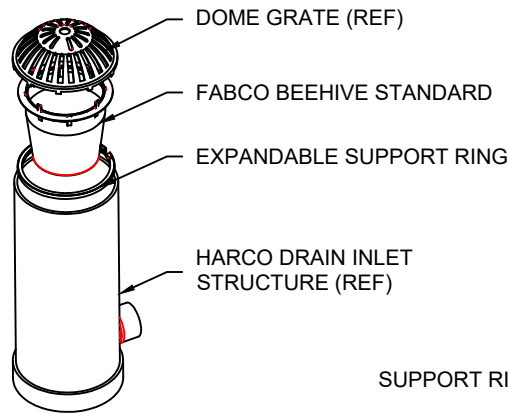
2. RECOMMENDED MINIMUM VAULT DEPTH: 2-IN BELOW STORMSOK

3. USE ONLY WITH FABCO REPLACEABLE STORMSOK

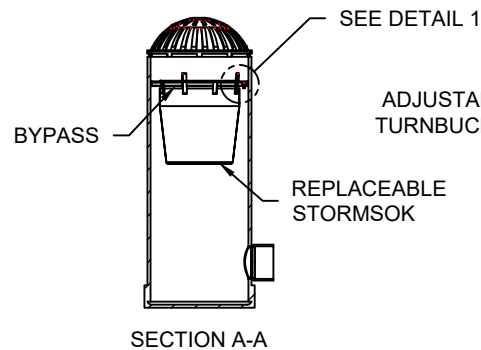
STRUCTURE DIAMETER (IN.)	DEBRIS CAPACITY (CU.FT)	FILTERED FLOWRATE (CFS)	BYPASS FLOWRATE (CFS)
12.0	0.66	1.7	1.0
15.0	1.0	2.1	1.3
18.0	1.2	2.3	1.4
24.0	2.8	3.9	2.2
30.0	2.8	3.9	2.2

GENERAL INSTALLATION:

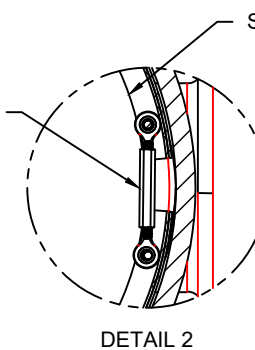
ADJUST THE TURNBUCKLE DOWN TO GIVE THE SMALLEST RING DIAMETER AND LOCATE THE EXPANSION RING INTO THE HARCO STRUCTURE MINIMUM OF 6-IN DOWN FROM THE TOP OPENING AS SHOWN. BEGIN OPENING THE TURNBUCKLE UNTIL THE EXPANSION RING IS SELF SUPPORTING, THEN VERIFY THE RING IS LEVEL AND PLUMB TO THE HARCO STRUCTURE. USING A CALIBRATED TORQUE WRENCH, CONTINUE TO OPEN THE TURNBUCKLE TO GIVEN TORQUE (MODEL-SPECIFIC). DO NOT OVER TIGHTEN. INSTALL THE STORMSACK ASSEMBLY DIRECTLY ON THE SUPPORT RING.



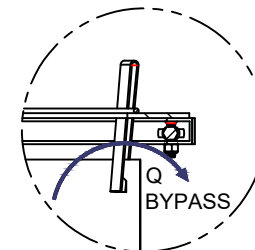
REFERENCE VIEW



SECTION A-A



DETAIL 2



DETAIL 1 (HARCO STRUCTURE HIDDEN)

FOCALPOINT HPMBs
BEEHIVE OVERFLOW FILTER
STRUCTURE