FOCALPOINT HPMBS PERFORMANCE SPECIFICATION:

HIGH PERFORMANCE MEDIA

- HIGH PERFORMANCE MEDIA MUST MEET A MINIMUM OF 160" PER HOUR INFILTRATION RATE.
- HIGH PERFORMANCE MEDIA MUST BE NJDEP CERTIFIED FOR 80% TSS.

HIGH PERFORMANCE STRUCTURAL UNDERDRAIN

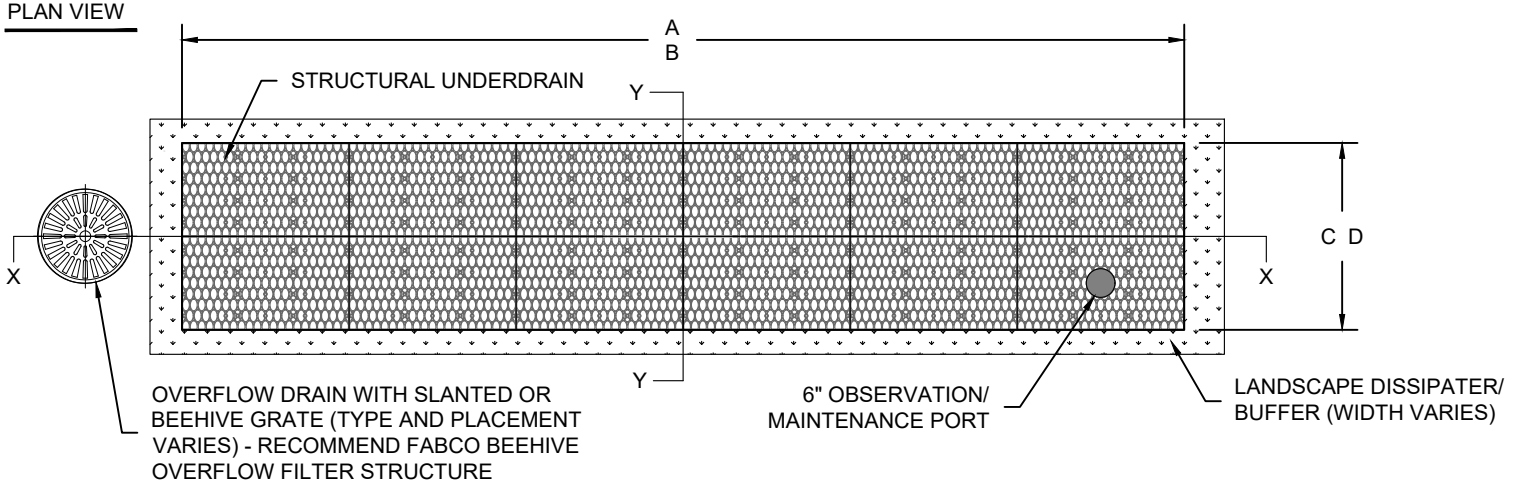
- MUST HAVE A MINIMUM OF 19 SQUARE INCHES OF ORIFICE OPENING PER SQUARE FOOT.
- MUST MEET HS-20 LOADING REQUIREMENTS.
- MUST BE MODULAR IN NATURE AND ASSEMBLED ON SITE.
- MUST HAVE MINIMUM 90% INTERIOR VOID SPACE.

PLANT COMPONENT

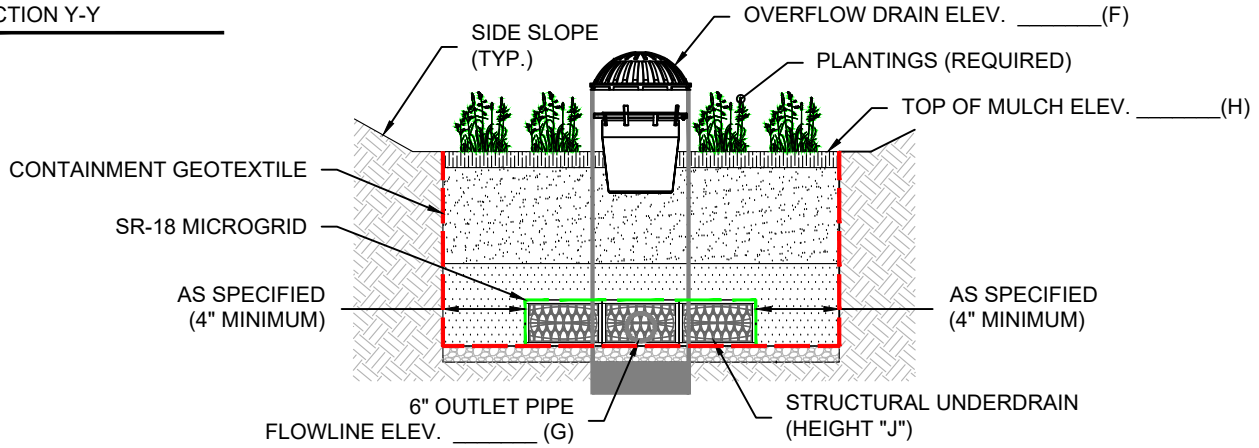
- SUPPLIER SHALL PROVIDE LIST OF ACCEPTABLE PLANTS
- IF PLANTS ARE NOT INCLUDED IN THE LANDSCAPE CONTRACT/PLANS, SITE CONTRACTOR SHALL PROVIDE PLANTS.
- PLANTS SHALL BE INSTALLED AT THE TIME THE SYSTEM IS COMMISSIONED FOR USE. PLANTING OUTSIDE THIS TIME REQUIRES APPROVAL BY THE ENGINEER/LANDSCAPE ARCHITECT 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	
I	TOP OF GABION (OPTIONAL)	
J	UNDERDRAIN HEIGHT	

PLAN VIEW



SECTION Y-Y



FocalPoint BIOFILTRATION SYSTEMS

ENGINEER OF RECORD TO REVIEW, APPROVE AND ENDORSE FINAL SITE SPECIFIC DESIGN.

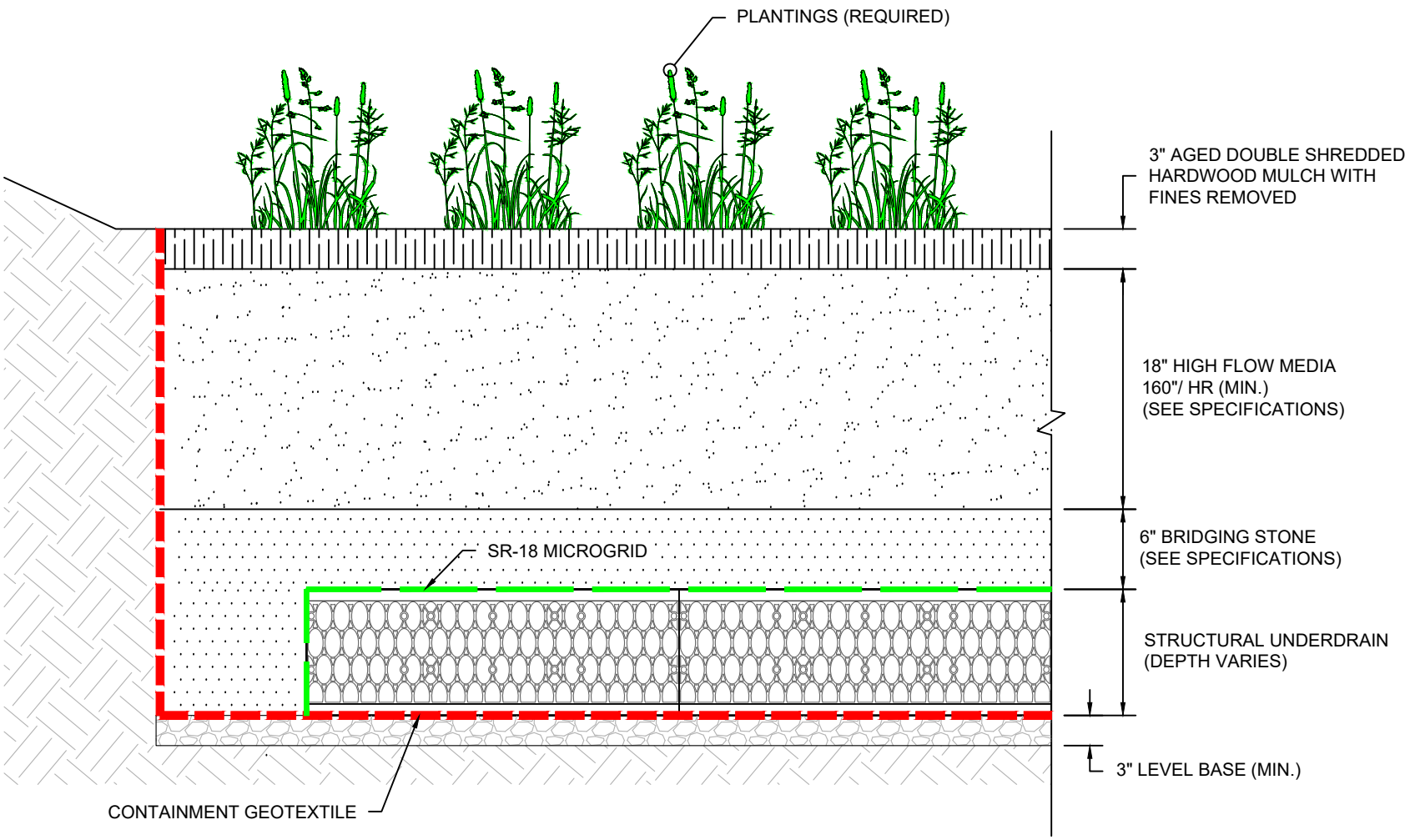
CONVERGENT WATER TECHNOLOGIES

TO FIND A VALUE ADDED RESELLER IN YOUR AREA VISIT WWW.CONVERGENTWATER.COM OR CONTACT CONVERGENT WATER TECHNOLOGIES AT 1.800.771.5428

FOCALPOINT HPMBS CONSTRUCTION GUIDE

DATE
01/28/2022

DETAILED CROSS SECTION



FocalPoint BIOFILTRATION SYSTEMS

ENGINEER OF RECORD TO REVIEW, APPROVE AND ENDORSE FINAL SITE SPECIFIC DESIGN.

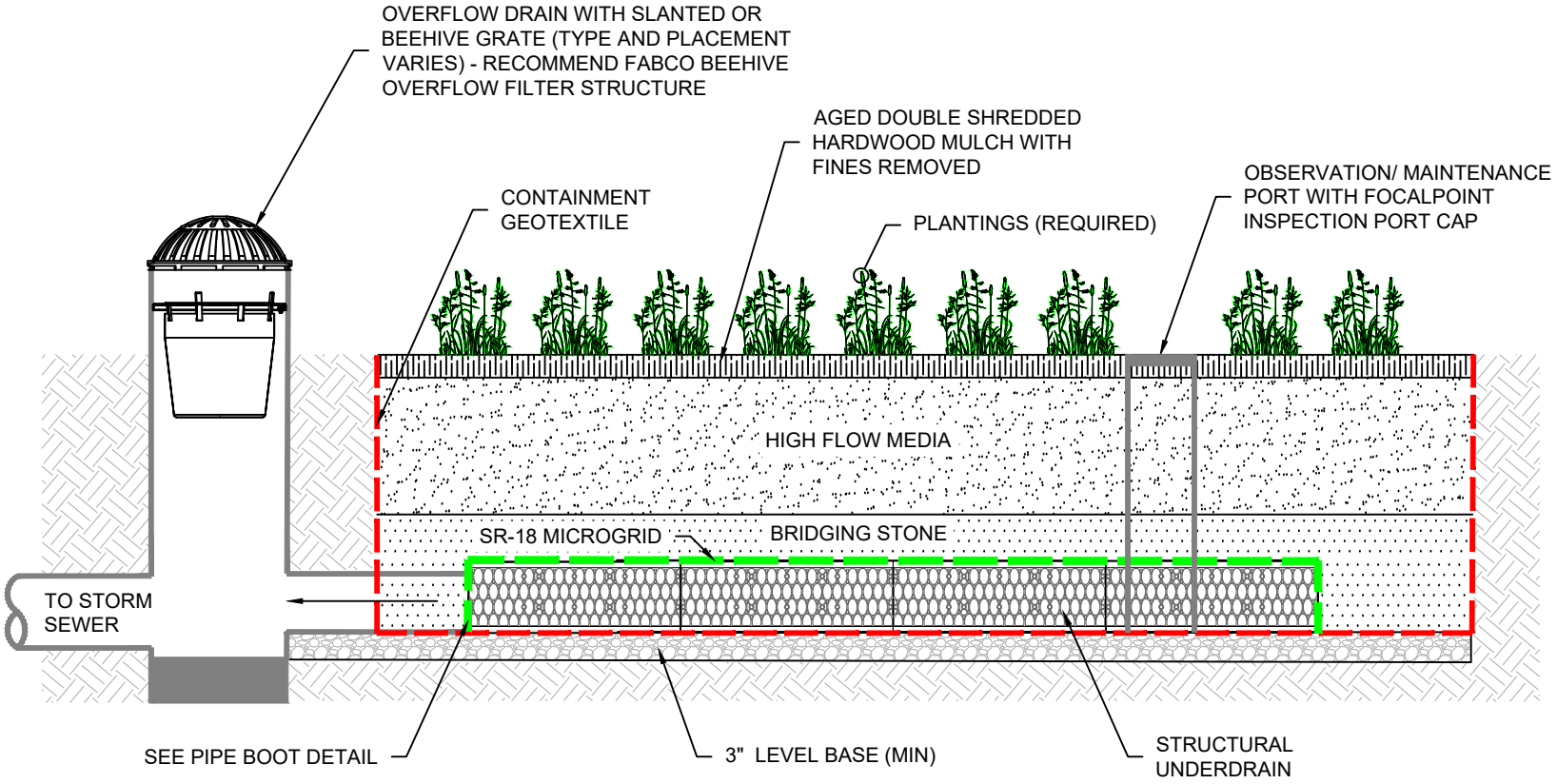
CONVERGENT WATER TECHNOLOGIES

TO FIND A VALUE ADDED RESELLER IN YOUR AREA VISIT WWW.CONVERGENTWATER.COM OR CONTACT CONVERGENT WATER TECHNOLOGIES AT 1.800.771.5428

FOCALPOINT HPMBS
DETAILED CROSS SECTION

DATE
01/28/2022

SECTION X-X



FocalPoint BIOFILTRATION SYSTEMS

ENGINEER OF RECORD TO REVIEW, APPROVE AND ENDORSE FINAL SITE SPECIFIC DESIGN.

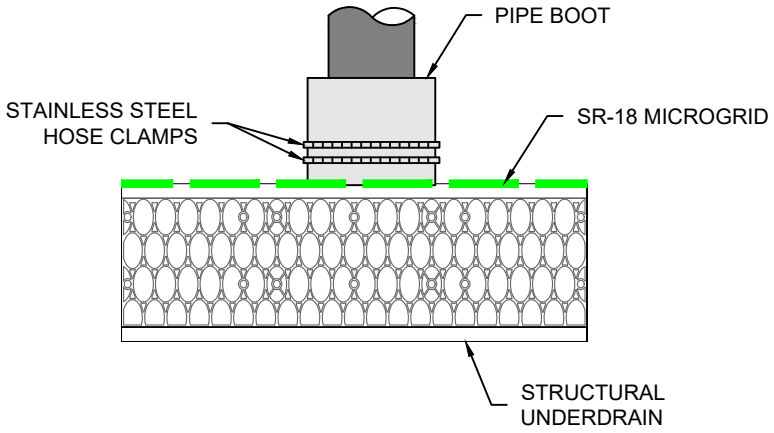
CONVERGENT WATER TECHNOLOGIES

TO FIND A VALUE ADDED RESELLER IN YOUR AREA VISIT WWW.CONVERGENTWATER.COM OR CONTACT CONVERGENT WATER TECHNOLOGIES AT 1.800.771.5428

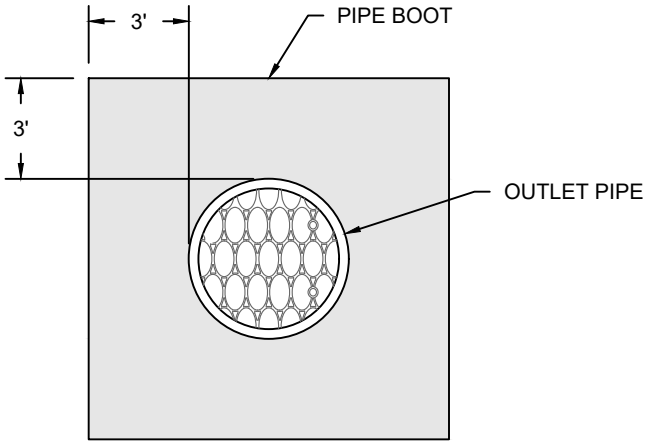
FOCALPOINT HPMBS SECTION X-X

DATE
01/28/2022

OBSERVATION/ MAINTENANCE PORT CONNECTION

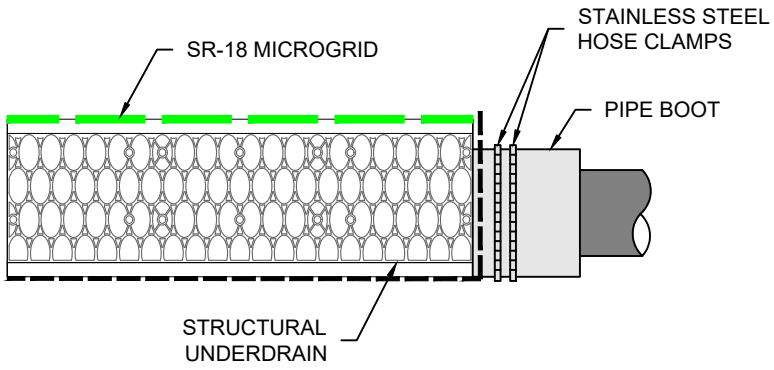


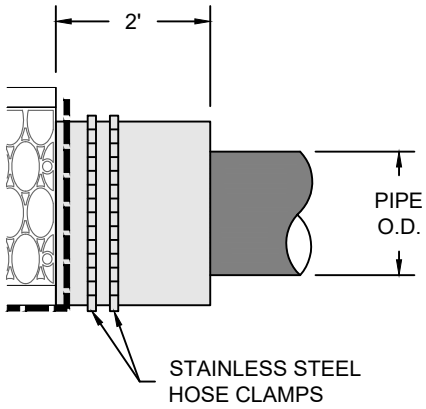
PIPE BOOT DETAIL



FRONT VIEW

OUTLET/ INLET PIPE CONNECTION





SIDE VIEW

FocalPoint BIOFILTRATION SYSTEMS

ENGINEER OF RECORD TO REVIEW, APPROVE AND ENDORSE FINAL SITE SPECIFIC DESIGN.

CONVERGENT WATER TECHNOLOGIES

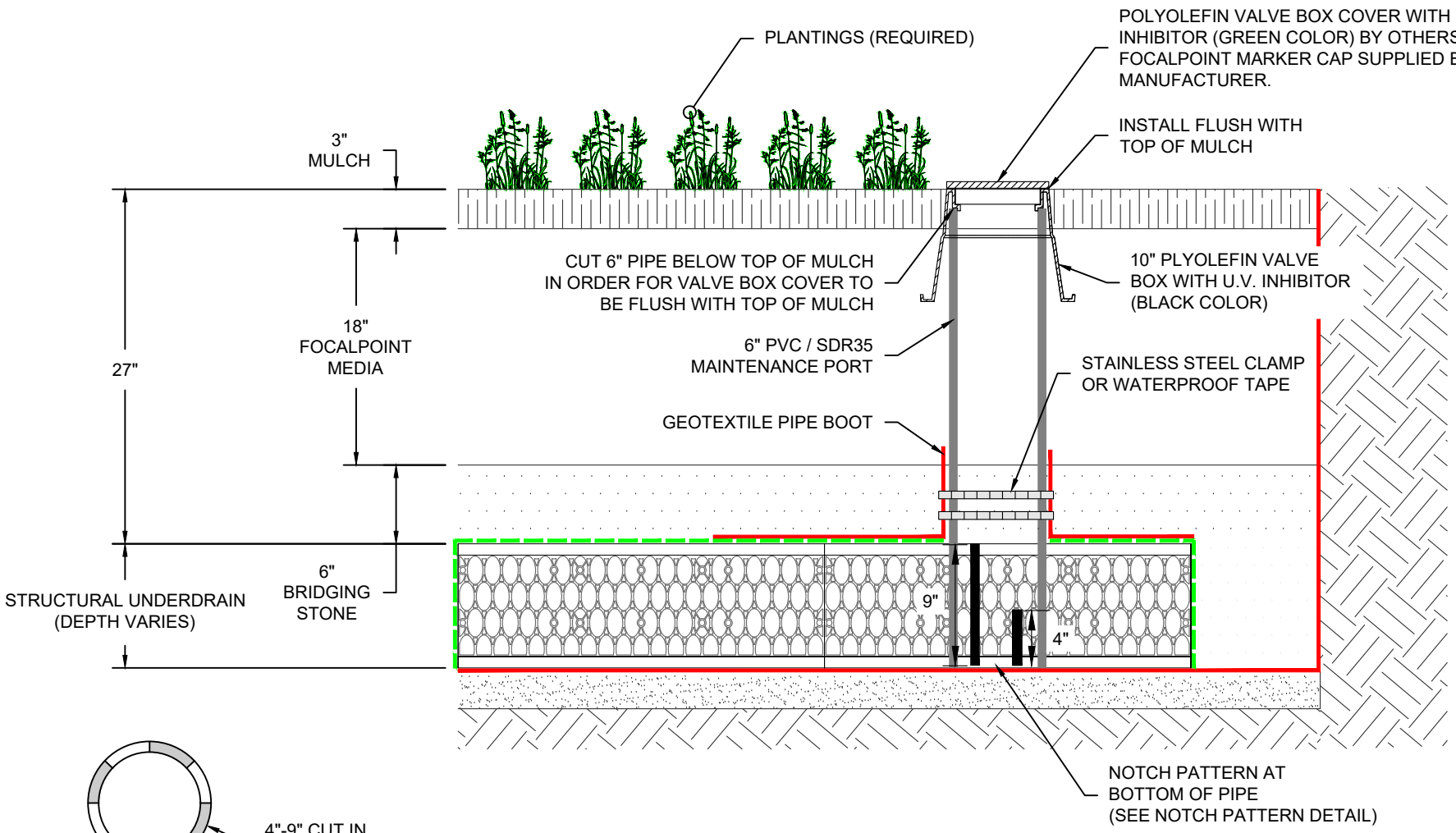
TO FIND A VALUE ADDED RESELLER IN YOUR AREA VISIT WWW.CONVERGENTWATER.COM OR CONTACT CONVERGENT WATER TECHNOLOGIES AT 1.800.771.5428

FOCALPOINT HPMBS PIPE CONNECTION

DATE
01/28/2022

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.



PIPE NOTCH PATTERN DETAIL

FocalPoint BIOFILTRATION SYSTEMS

ENGINEER OF RECORD TO REVIEW, APPROVE AND ENDORSE FINAL SITE SPECIFIC DESIGN.

CONVERGENT WATER TECHNOLOGIES

TO FIND A VALUE ADDED RESELLER IN YOUR AREA VISIT WWW.CONVERGENTWATER.COM OR CONTACT CONVERGENT WATER TECHNOLOGIES AT 1.800.771.5428

FOCALPOINT HPMBS OBSERVATION/MAINTENANCE PORT

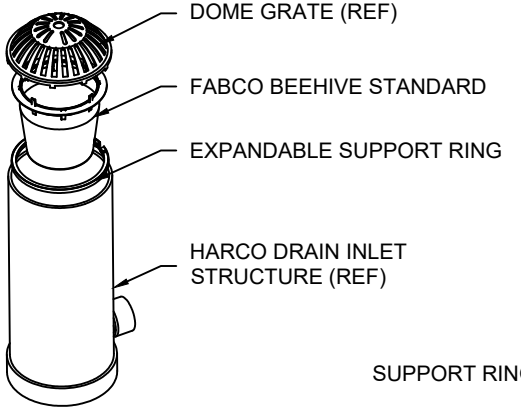
DATE
01/28/2022

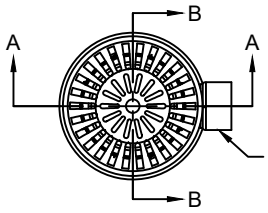
NOTES:

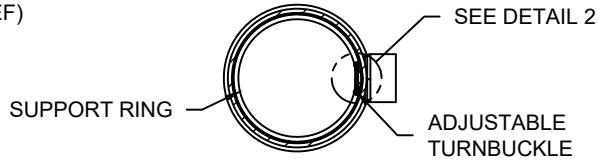
1. MATERIAL:
   A) SUPPORT FLANGE: ALUMINUM ALLOY PLATE, 5000 SERIES
   B) STORMSOK: WOVEN POLYPROPYLENE GEOTEXTILE
   C) EXPANSION RING: ALUMINUM ALLOY CHANNEL, 6000 SERIES
   D) HARDWARE: STAINLESS STEEL
2. RECOMMENDED MINIMUM VAULT DEPTH: 2-IN BELOW STORMSOK
3. USE ONLY WITH FABCO REPLACEABLE STORMSOK

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

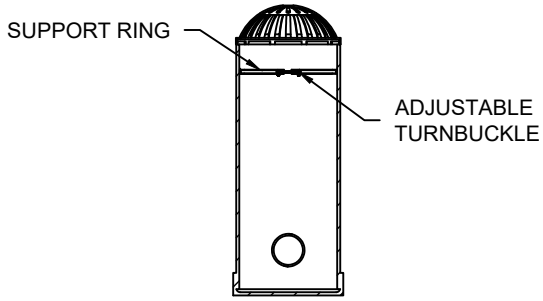
GENERAL INSTALLATION:
ADJUST THE TURNBUCKLE DOWN TO GIVE THE SMALLEST RING DIAMETER AND LOCATE THE EXPANSION RING INTO THE HARCO STRUCTURE MINIMUM OF 6-IN DOWN FROM THE TOP OPENING AS SHOWN. BEGIN OPENING THE TURNBUCKLE UNTIL THE EXPANSION RING IS SELF SUPPORTING, THEN VERIFY THE RING IS LEVEL AND PLUMB 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.



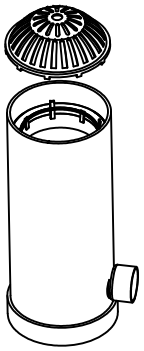




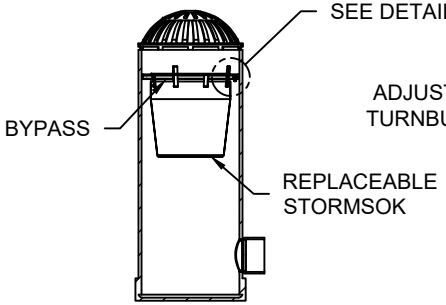
CUTAWAY 1
(BEEHIVE STANDARD HIDDEN FOR CLARITY)



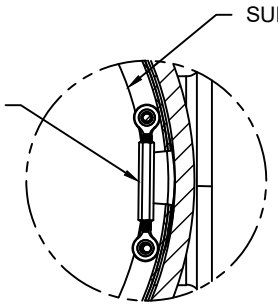
SECTION B-B
(VIEW ROTATED 90 DEG.)
(BEEHIVE STANDARD HIDDEN FOR CLARITY)



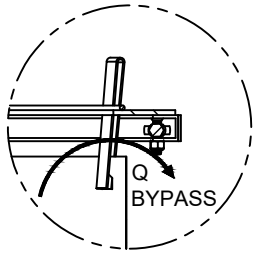
REFERENCE VIEW



SECTION A-A



DETAIL 2



DETAIL 1
(HARCO STRUCTURE HIDDEN)

FocalPoint BIOFILTRATION SYSTEMS

ENGINEER OF RECORD TO REVIEW, APPROVE AND ENDORSE FINAL SITE SPECIFIC DESIGN.

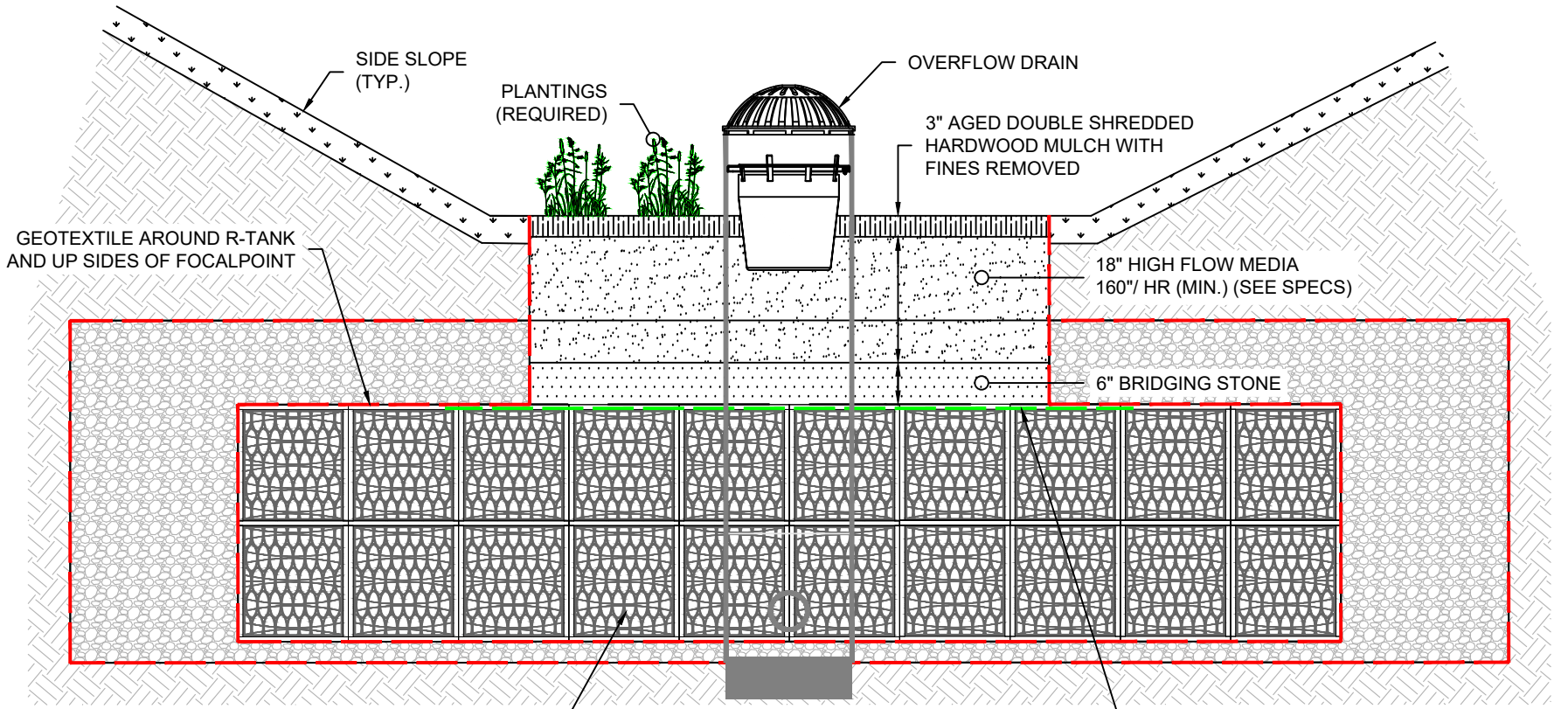
CONVERGENT WATER TECHNOLOGIES

TO FIND A VALUE ADDED RESELLER IN YOUR AREA VISIT WWW.CONVERGENTWATER.COM OR CONTACT CONVERGENT WATER TECHNOLOGIES AT 1.800.771.5428

FOCALPOINT HPMBS
BEEHIVE OVERFLOW FILTER STRUCTURE

DATE
01/28/2022

FOCALPOINT WITH EXPANDED R-TANK KEY DIMENSIONAL DATA	
FOCALPOINT LENGTH	
FOCALPOINT WIDTH	
OVERFLOW RIM ELEVATION	
TOP OF MULCH ELEVATION	
TOP OF MEDIA ELEVATION	
TOP OF BRIDGING STONE ELEVATION	
TOP OF R-TANK ELEVATION	
BOTTOM OF R-TANK ELEVATION	
STONE BASE ELEVATION	
R-TANK FOOTPRINT	X



FocalPoint
BIOFILTRATION SYSTEMS

ENGINEER OF RECORD TO REVIEW, APPROVE AND ENDORSE FINAL SITE SPECIFIC DESIGN.

CONVERGENT WATER TECHNOLOGIES

TO FIND A VALUE ADDED RESELLER IN YOUR AREA VISIT WWW.CONVERGENTWATER.COM OR CONTACT CONVERGENT WATER TECHNOLOGIES AT 1.800.771.5428

FOCALPOINT HPMBS
WITH EXPANDED R-TANK BELOW

DATE
01/28/2022