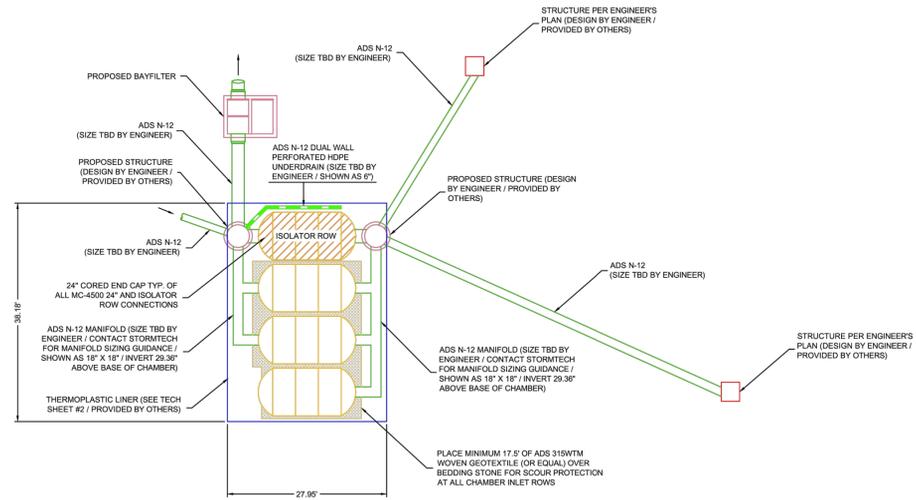


CONCEPTUAL LAYOUT

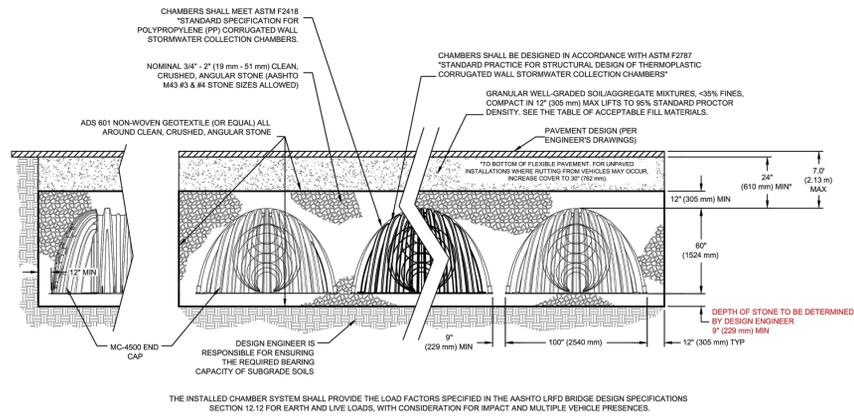
(12) STORMTECH MC-4500 CHAMBERS
(8) STORMTECH MC-4500 END CAPS
INSTALLED WITH 12" COVER STONE, 9" BASE STONE, 40% STONE VOID
INSTALLED SYSTEM VOLUME (PERIMETER STONE INCLUDED): 3,819 CF

NOTE:
THE DESIGN ENGINEER MUST REVIEW ELEVATIONS AND IF NECESSARY ADJUST GRADING TO ENSURE THE CHAMBERS COVER REQUIREMENTS ARE MET.



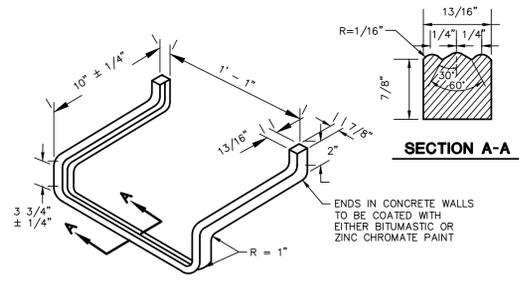
WATER QUALITY SYSTEM LAYOUT

N.T.S.



STORM CHAMBER TYPICAL CROSS SECTION

N.T.S.



STANDARD MANHOLE STEP

N.T.S. BLS-005

HOOD TO BE INSTALLED AT ALL OUTLET PIPES AT ALL OFF LINE CATCH BASINS, EXCEPT WHERE NOTED.

CATCH BASIN OUTLET

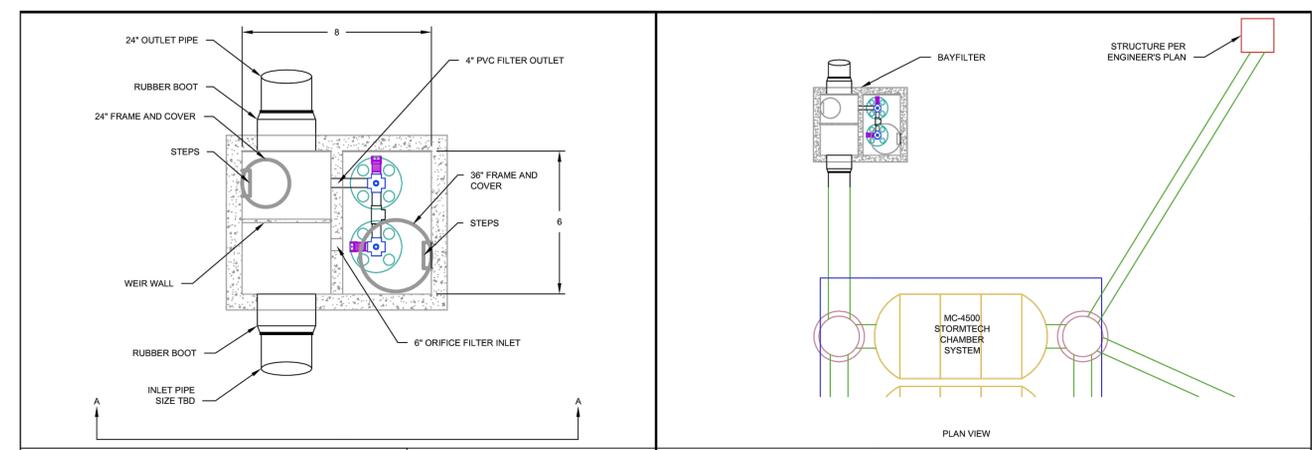


NOTE: NEENAH - R-3711 OR EQUAL

HOODED OUTLET

N.T.S. CTDD-004

BAY FILTER DETAIL

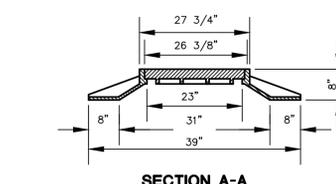
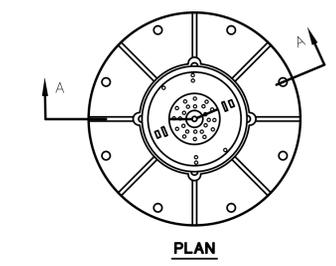


PRELIMINARY SIZING SUMMARY
BAYFILTER STORMWATER TREATMENT SYSTEM

PROJECT	STORRS CENTER
LOCATION	CONNECTICUT
WATER QUALITY FLOW	0.087
DRAINAGE AREA	-
CARTRIDGE DESIGN FLOW RATE	30 GPM
# BAYFILTER CARTRIDGES	2

NOTE:
THE BAYFILTER STORMWATER MANAGEMENT SYSTEM IS A STORMWATER FILTRATION DEVICE DESIGNED TO REMOVE FINE SEDIMENTS, HEAVY METALS, AND PHOSPHORUS. THE BAYFILTER SYSTEM RELIES ON A SPIRAL WOUND MEDIA FILTER CARTRIDGE WITH APPROXIMATELY 43 SQUARE FEET OF FILTRATION AREA. THE FILTER CARTRIDGES ARE HOUSED IN A CONCRETE STRUCTURE THAT EVENLY DISTRIBUTES THE FLOW BETWEEN CARTRIDGES. THE SYSTEM IS OFFLINE WITH AN EXTERNAL BYPASS THAT ROUTES HIGH INTENSITY STORMS AROUND THE SYSTEM. THE FILTER CARTRIDGES REMOVE POLLUTANTS FROM RUNOFF BY FILTRATION (INCEPTION/ATTACHMENT) AND ADSORPTION.

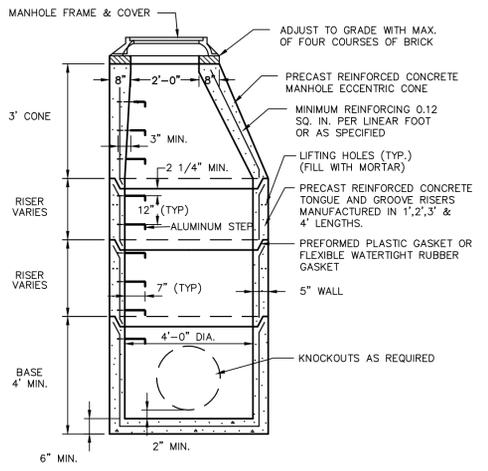
SEQUENCE OF CONSTRUCTION AND INSPECTORS CHECK-OFF LIST FOR PRECAST VAULT BAYFILTERS	DEVELOPERS / ENGINEER APPROVAL		INSPECTOR		GEOTECHNICAL ENGINEER	
	INITIALS	DATE	INITIALS	DATE	INITIALS	DATE
1. PRE-CONSTRUCTION MEETING, EXCAVATION AND SAFETY REVIEW						
2. EXCAVATE THE HOLE, PROVIDING ANY SHEETING AND SHORING NECESSARY TO COMPLY WITH ALL FEDERAL, STATE AND LOCAL SAFETY REGULATIONS						
3. LEVEL THE SUBGRADE TO THE PROPER ELEVATION. VERIFY THE ELEVATION AGAINST THE VAULT DIMENSIONS, THE INVERT ELEVATIONS AND THE SITE PLANS. ADJUST THE BASE AGGREGATE IF NECESSARY.						
4. OBTAIN APPROVAL OF SUBGRADE FROM GEOTECHNICAL ENGINEER. ON SOLID SUBGRADE, SET THE BAYFILTER PRE-CAST VAULT.						
5. CHECK THE LEVEL AND ELEVATION OF THE PRE-CAST VAULT.						
6. INSTALL THE PVC OUTLET MANIFOLD AND OUTLET CHAMBER SYSTEM.						
7. INSTALL THE PVC OUTLET PIPE AND INLET PIPE IN BAYFILTER VAULT.						
8. INSTALL THE ENERGY DISSIPATOR / LEVEL SPREADER AT THE INLET PIPE.						
9. AFTER THE SITE IS STABILIZED, REMOVE AND ACCUMULATED SEDIMENT OR DEBRIS FROM THE VAULT AND INSTALL THE BAYFILTER CARTRIDGES. INSTALL THE TOP SLAB AND ACCESS HATCH.						
10. FINAL INSPECTION.						



STANDARD STORM MANHOLE FRAME AND COVER

N.T.S. BLS-002

NOTE: FRAME & GRATE TO BE CAMPBELL FOUNDRY COMPANY-PATTERN NUMBER 1221 WITHOUT COVER VENT HOLES



NOTE: 5' OR 6' DIA. PRECAST BASES MAY BE USED WHEN REQUIRED DUE TO SIZE OR NUMBER OF PIPES AT THE MANHOLE. PRECAST REDUCERS WILL BE PLACED ABOVE THE 5' & 6' BASES AS DIRECTED BY THE ENGINEER. WALL THICKNESS TO INCREASE 1" FOR EACH 1' OF INSIDE DIAMETER INCREASE.

PRECAST STORM MANHOLE DETAIL

N.T.S. CTDD-003