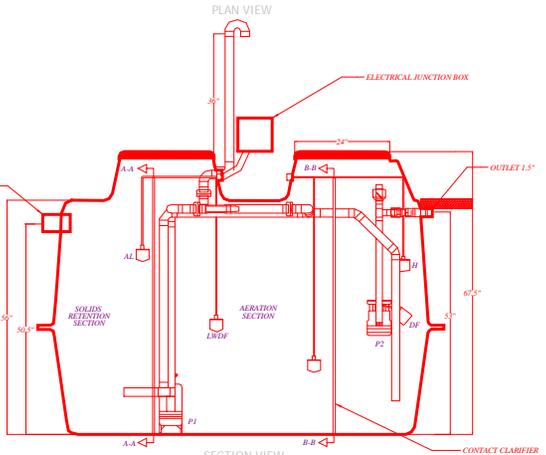
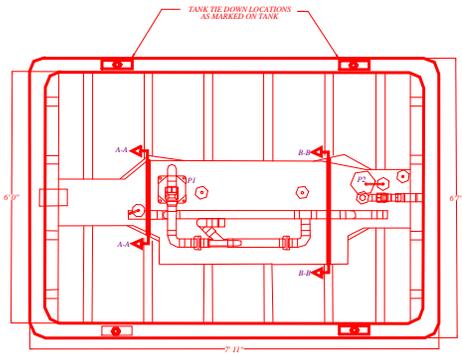
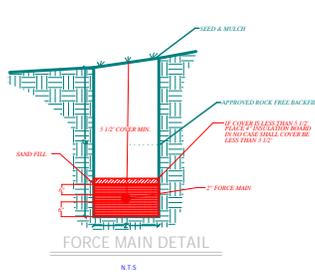


SAND FILL SPECIFICATIONS

(1) SIEVE NO.	OPENING (MM)	PERCENT PASSING BY WEIGHT
10	2.000	85-100
40	0.420	25-75
60	0.250	0-30
100	0.149	0-10
200	0.075	0-5

(2) SIEVE NO.	OPENING (MM)	PERCENT PASSING BY WEIGHT
4	4.750	85-100
8	2.500	80-100
16	1.190	50-85
30	0.500	25-60
50	0.297	10-30
100	0.149	2-10

(3) SIEVE NO.	OPENING (MM)	PERCENT PASSING BY WEIGHT
10	2.000	85-100
40	0.420	30-50
200	0.075	0-10

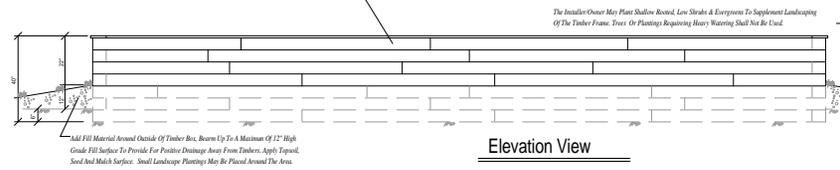
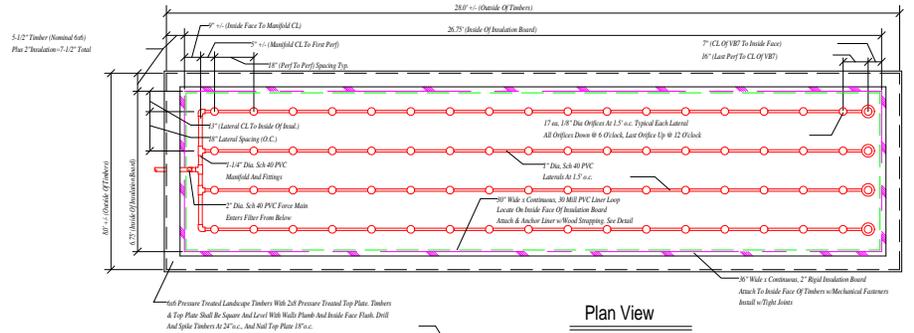


CROMAGLASS MODEL CA-5

INSTALLER MUST INSTALL FLOTATION ANCHORS ALARM TO BE INSTALLED IN BASEMENT AND CONNECTED TO A SEPARATE CIRCUIT BREAKER ALL WORK TO BE DONE IN ACCORDANCE WITH ALL ELECTRICAL AND SAFETY CODES REQUIRED BY STATE, LOCAL AND OTHER GOVERNMENT AGENCIES. WORK SHALL COMPLY WITH ALL REQUIREMENTS OF PUMP AND OTHER COMPONENTS MANUFACTURERS. PUMP MUST BE CAPABLE OF DELIVERING 26.54 GPM AGAINST A 5.1' FEEET OF HEAD.

PUMPS:
 P1 - AERATION
 P2 - DISCHARGE

FLOAT SETTINGS:
 AL - 25" HD
 LW - 31" HD
 DL - 31" HD
 DL - 25" (PLC ONLY)
 LA - 45.5" NC (PLC ONLY)

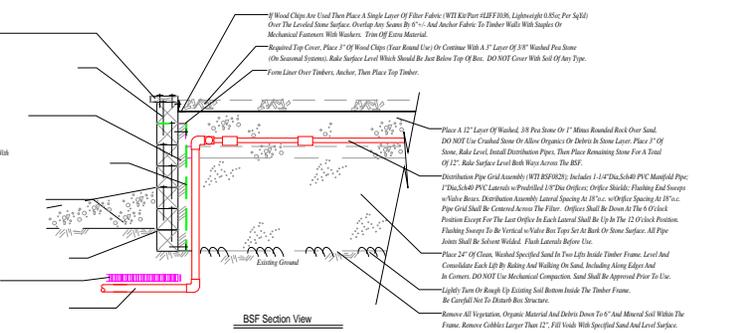


8'x28' - " BSF Discharge System"

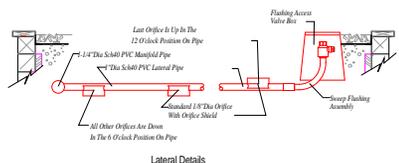
NTS Note: Complete Manifold/Lateral Assembly And Liner Loop Supplied In WTI BSF Kit

NOTE: STONE OR OTHER MATERIALS MAY BE SUBSTITUTED FOR PRESSURE TREATED TIMBERS MATERIALS MUST BE APPROVED BY THE DESIGNER.

Attach Pressure Treated 2x8 Top Plate On Timber Frame. Install Square Level And Wash Inside Face Flush. Attach Wash Galvanized Nails On Sides 2' On Center.
 6x6 Pressure Treated Landscape Timbers Set Square Level And Plumb On A Well Compacted Base. Stagger Joints. Drill And Spike With 9" Galvanized Nails @ 2' On Center Inside Face To Be Flush.
 Install A Continuous Layer Of 2" Rigid Insulation Board, 3/4" High. Attach Insulation To Timbers With Mechanical Fasteners Using Washers. Insulation Board Shall Be Installed Tight To The Timbers With Top Level All Around And All Joints Tight.
 Install A 30" Wide Continuous Loop Impervious Barrier On The Inside Of The Insulation Board. The Liner Shall Be A Sheet PVC Material (WTI Kit Part # LBSF028). Overlay Joints @ 4" And Give Wrap Liner Over Timbers. Anchor With Staples And Secure Bottom With Nails And Washers. Keep Surface Smooth.
 Place 9'x18" To 12'x24" Of Backfill Around The Outside Of The Timber Frame. Space Away From Frame To Allow For Drainage Away From Site. No Surface Water Shall Pond In The Area.



Key Bottom Course Of Timbers 6" Into Existing Ground. Level And Tamp Bottom To Provide A Firm Base. Bottom Course Of Timbers Shall Be Level And Square. For Sloping Sites See Notes.
 Insulate Force Main Pipe Using 2" Thick Insulation Board. Coverd Over Pipe When Cover Fill Is Less Than 4' Feet.
 2" Dia. Sch 40 PVC Force Main Shall Enter The BSF From Below. Minimum Disturbance From Treeing Down Slope And Below BSF.



BSF Discharge System Estimated Materials List

Material	Est Qty	Supplier
Sheet PVC Liner Loop (WTI LBSF028)	20' Sq Ft	WTI Kit
Manifold/Lateral/Orifice Shields/Flushing Sweeps (WTI BSF025)	1 ea. Pkg	WTI Kit
Filter Fabric (WTI LFBF008)	1 ea.	WTI Kit
6x6 Pressure Treated Timbers	564 LF	Contractor
2x8 Pressure Treated Board	72 LF	Contractor
9" Galvanized Spike	40 Bundled	Contractor
2" Insulation Board (2x8 Sheets)	15 Sheets	Contractor
Specified Sand (3")	15 cu yd	Contractor
1.8" Pss Stone Or 1" Rounded Rock	8 cu yd	Contractor
Back Mulch	5 cu yd	Contractor

BSF Discharge System Details (6'-180sqft)

NTS Note: Complete Manifold/Lateral Assembly And Liner Loop Supplied In WTI BSF Kit

THIS DESIGN IS PROPOSED TO SATISFY CRITERIA AND MEET THE INTENT OF THE VERMONT ENVIRONMENTAL PROTECTION RULES CHAPTER 1. WASTEWATER SYSTEMS AND POTABLE WATER SUPPLY RULES EFFECTIVE SEPTEMBER 20, 2007.



DETAILS

McCLURE RESIDENCE
 174 JOLLY CLUB ROAD
 CHARLOTTE, VERMONT



WATER & WASTEWATER DESIGNS
 TOPOGRAPHIC SITE PLANS & MAPPING
 STATE & LOCAL PERMITTING

981 BIG HOLLOW ROAD
 STARKSBORO, VERMONT 05487
 453-5071

Drawn	JMM
Check	9/15/17
Scale	AS SHOWN
Project	201.0028
Date	2.08.2