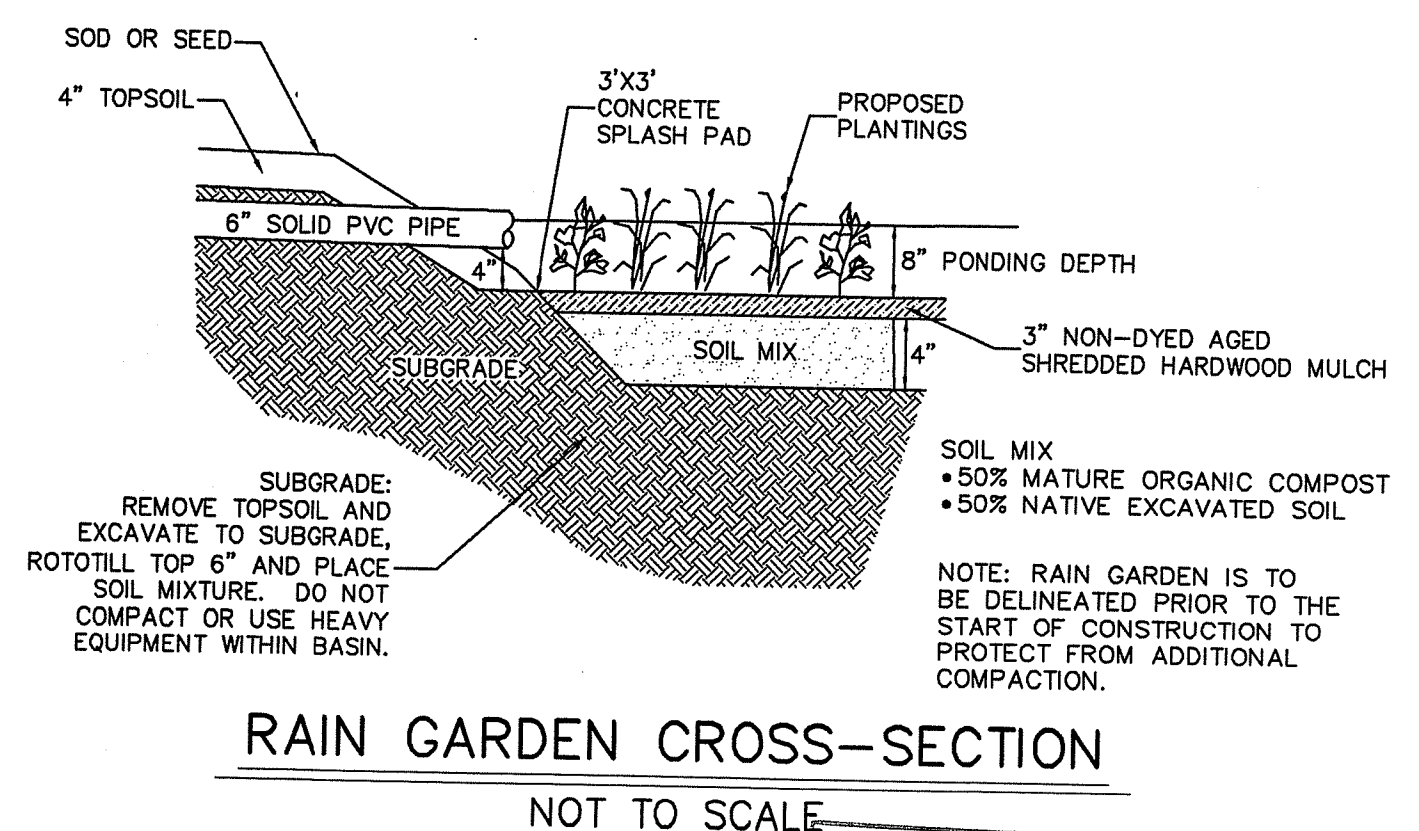


**GENERAL SEPTITECH NOTES:**

- Tank(s) shall not be installed at a depth greater than 24-inches. Tank installations requiring a depth greater than 24-inches shall do so with prior approval by SeptiTech only.
- Tank(s) shall be installed with a minimum of 12-inches of compacted crushed stone bedding. Select fill shall be used for bedding around tanks. Native material may be used if approved by the design engineer.
- Water Testing: Contractor is responsible for water testing the concrete tank(s) once the tank(s) installation has been completed and allowed to set overnight. Water testing shall be conducted in accordance with ASTM C1227.9.2. Installing contractor shall be responsible for providing clean water for the testing, filling the tanks, and pumping the tanks dry once testing is completed.
- Exterior Piping: Contractor is responsible for supplying and installing all exterior piping per SeptiTech installation drawings.
- Air Intake Piping: Air intake snorkel shall be installed within 100 feet of the processor tank. Air intake piping shall be installed such that a positive pitch is provided back towards the processor tank such that any condensation build up is free to drain.
- Pipe Insulation: Contractor is responsible for insulating all piping exterior to the SeptiTech processor including the discharge line from the processor to the disposal field.
- Tank Insulation: After concrete tanks have been installed and water testing is completed, contractor shall insulate the top and sides of the processor tank below frost depth (4-foot minimum) down the sides of the tank with 2" rigid foam (blue) board insulation and then complete backfilling. Contractor is also responsible for installing insulation over the top of the force main from the SeptiTech system to the disposal field if not buried below frost level in order to prevent freezing. The Contractor is also responsible for installing insulation over the top of the return line from the processor tank back to the septic tank in order to prevent freezing.
- Electrical: All electrical work is the responsibility of the contractor's licensed electrician and is not provided by SeptiTech. SeptiTech processors can also be built to 3-phase power requirements. If 3-phase is required, please notify SeptiTech at the time of contract signing.



**SEDIMENTATION AND EROSION CONTROL:**

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL TEMPORARY SEDIMENTATION & EROSION CONTROL.
- EMBANKMENT SLOPES & ALL DISTURBED AREAS ARE TO RECEIVE A LAYER OF TOPSOIL (LOAM) AND SEED.
- IMMEDIATELY UPON COMPLETION OF THE CLEARING AND GRUBBING AND PRIOR TO ANY ROUGH GRADING, A TEMPORARY SILT FENCE OR HAY BALES SHALL BE PLACED AT THE LIMIT OF PERMANENT DISTURBANCE PER PLAN.
- ALL EROSION & SEDIMENTATION CONTROL SHALL BE PERIODICALLY MAINTAINED DURING BUILDING CONSTRUCTION BY THE CONTRACTOR.

**EROSION & SOIL STABILIZATION PROGRAM:**

- TEMPORARY TREATMENTS SHALL CONSIST OF A SILT FENCE, HAY BALES OR PROTECTIVE COVERS SUCH AS FABRIC MATS.
- THE SILT FENCE OR TEMPORARY PROTECTION SHALL REMAIN IN PLACE UNTIL AN ACCEPTABLE STAND OF GRASS OR APPROVED COVER IS ESTABLISHED.
- NORMAL ACCEPTABLE SEASONAL SEEDING DATES ARE APRIL 1 - OCT. 15.
- ALL FILL, IF REQUIRED, SHALL BE CLEAN AND THOROUGHLY COMPACTED UPON PLACEMENT IN STRICT CONFORMANCE WITH RIDPW STANDARD SPECIFICATION SECTION 202.

**SEDIMENTATION CONTROL PROGRAM:**

- A TEMPORARY SILT FENCE, HAY BALES OR PROTECTIVE COVER SHALL BE INSTALLED PRIOR TO CONSTRUCTION & SHALL BE MAINTAINED ON A DAILY BASIS. IN ADDITION TO THE LINE OF THE SILT FENCE AT THE LIMIT OF PERMANENT DISTURBANCE, TEMPORARY BARRIERS SHALL BE CONSTRUCTED AT THE TOE OF THE DISTURBED (OR FILL) SLOPES UNTIL VEGETATIVE COVER HAS BEEN ESTABLISHED.
- ALL HAY BALES USED WITH THE SILT FENCE ARE TO HAVE TWO STAKES DRIVEN INTO EACH HAY BALE.
- THE SILT FENCE AND HAY BALES ARE TO BE INSPECTED DAILY AND REPLACED AS NEEDED.
- ALL SEDIMENTATION AND EROSION CONTROLS MUST BE INSTALLED AND PASS THE TOWN OF JAMESTOWN'S INSPECTION PRIOR TO ANY CONSTRUCTION WORK.
- DURING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ADEQUATE DRAINAGE FLOW DURING STORMS AND PERIODS OF RAINFALL.
- SEDIMENTATION CONTROL DEVICES SHALL BE INSPECTED CLOSELY AND MAINTAINED PROMPTLY AFTER EACH RAINFALL.

**SLOPE STABILIZATION AND VEGETATION:**

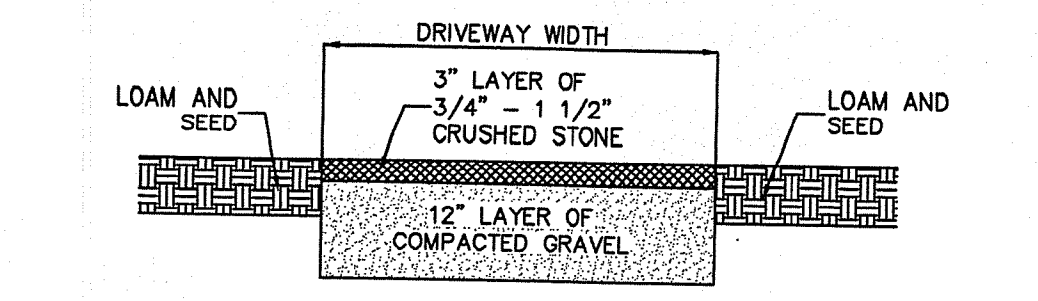
- THE SILT FENCE OR HAY BALES SHALL BE PLACED AT THE TOE OF ALL DISTURBED SLOPES. THIS SHALL BE MAINTAINED AS A SEDIMENT BARRIER UNTIL THE SLOPES ARE STABILIZED WITH GRASS.
- THE DISTURBED SLOPES (CUT OR FILL) SHALL BE IMMEDIATELY MULCHED AS AN EROSION PROTECTION MEASURE.
- MAINTAIN MULCH UNTIL THE SLOPES ARE STABILIZED WITH A SATISFACTORY GROWTH OF GRASS.
- VEGETATION REMOVED MAY BE SHREDDED AND CHIPPED ON SITE FOR USE AS MULCH, OR IT MAY BE REMOVED FROM THE SITE AND DISPOSED OF IN A LEGAL MANNER.
- THE RESEEDING OF THE DISTURBED SLOPES SHALL BE CONDUCTED WITH SEED MATERIALS SELECTED FOR PRODUCTION OF A QUICK COVER AND HARDY STAND. PARTICULARLY A CONSERVATION GRASS SEED OR COMPARABLE. THE SEEDING SHALL BE IN ACCORDANCE WITH COMMON NURSERY PRACTICE IN THE RHODE ISLAND AREA.
- PROVIDED THAT THE PROVISIONS OF THE SEDIMENTATION & EROSION CONTROL PLAN ARE IMPLEMENTED, THERE WILL BE NO ADVERSE ENVIRONMENTAL EFFECTS FROM THE PROPOSED CONSTRUCTION.

**SIZING CALCULATION FOR RAIN GARDEN PER RHODE ISLAND STORMWATER MANAGEMENT GUIDANCE DOCUMENT FOR INDIVIDUAL SINGLE-FAMILY RESIDENTIAL LOT DEVELOPMENT - TABLE 8: RAIN GARDEN SIZING GUIDANCE**

- RAIN GARDEN IS FOR RUN-OFF FROM THE PROPOSED DWELLING.
- PROPOSED IMPERVIOUS AREA = 2,450 S.F.
- RAIN GARDEN DEPTH = 8 INCHES
- SOIL TYPE: SILTY SOILS = 0.16 SIZING FACTOR (1-INCH STORM EVENT)
- 2,450 S.F. X 0.16 = 392 S.F. RAIN GARDEN NEEDED
- PROPOSED RAIN GARDEN BOTTOM AREA = 420 S.F.

**RAIN GARDEN NOTES:**

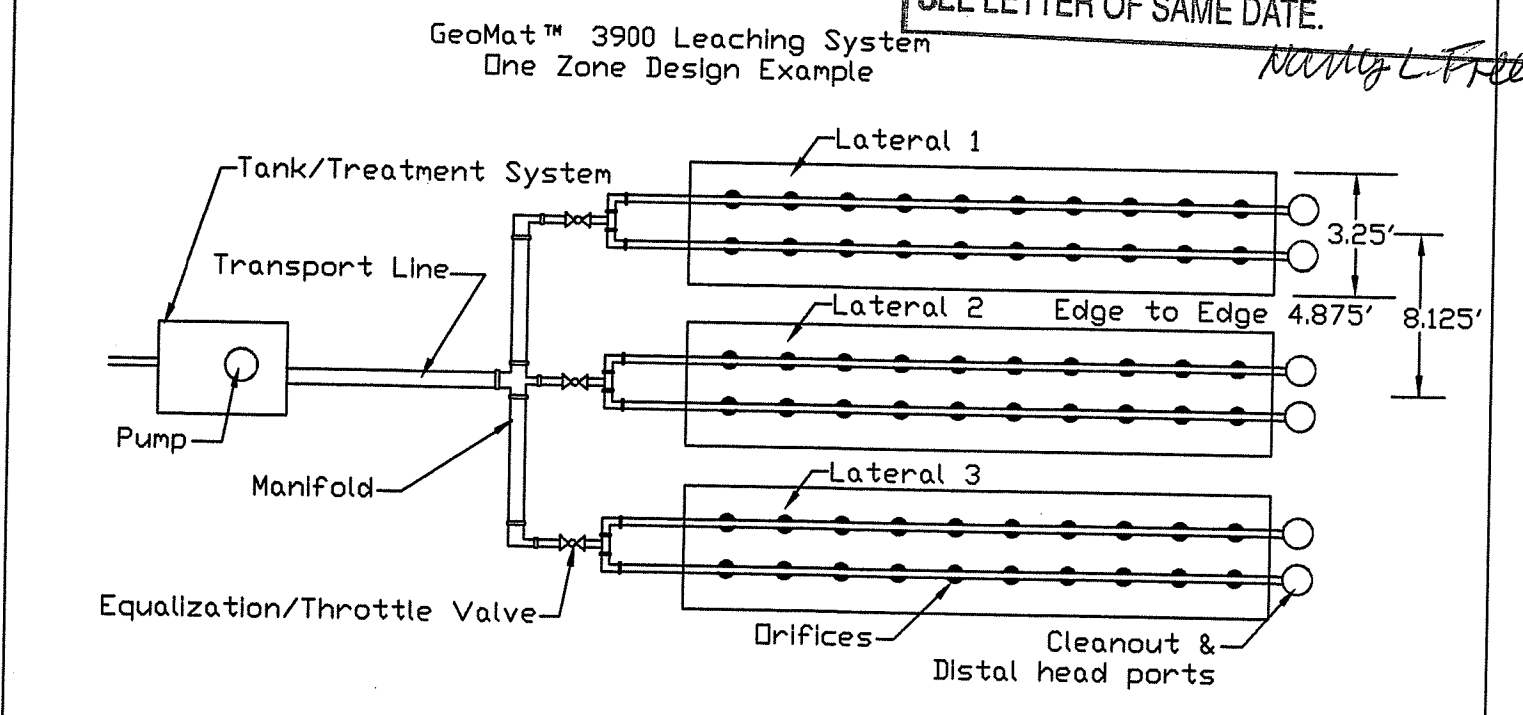
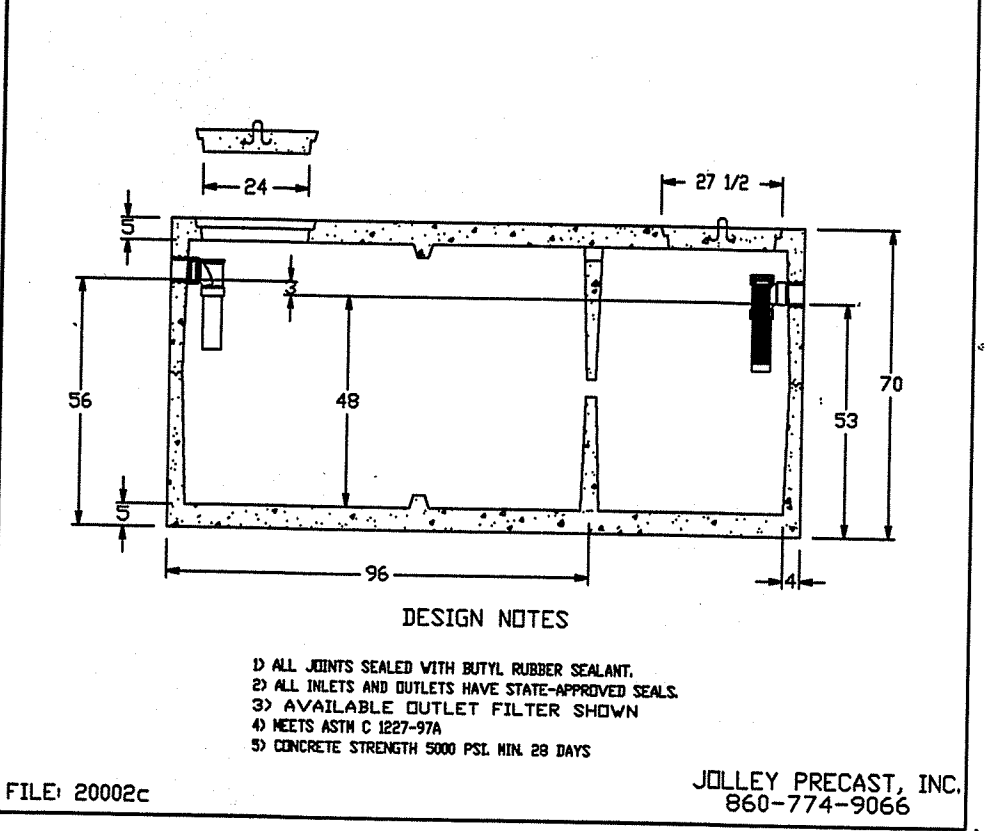
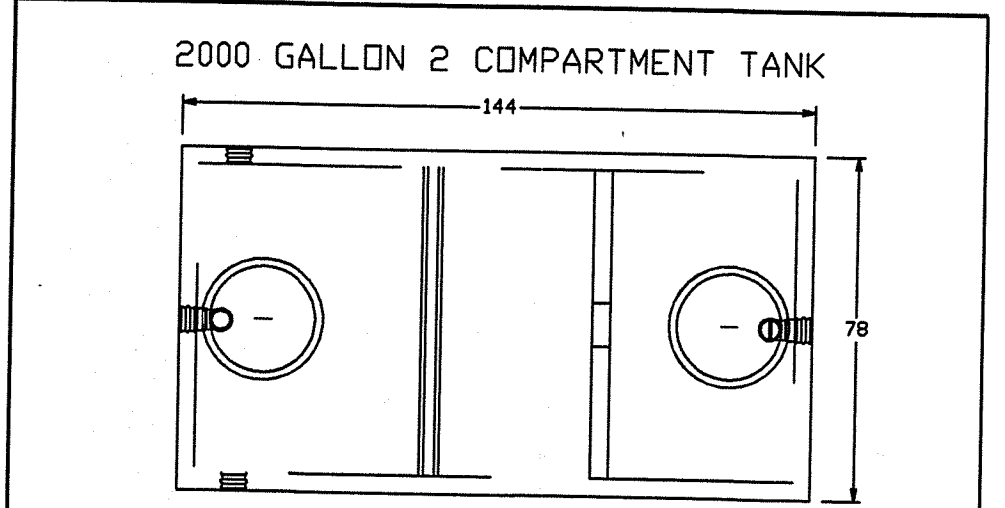
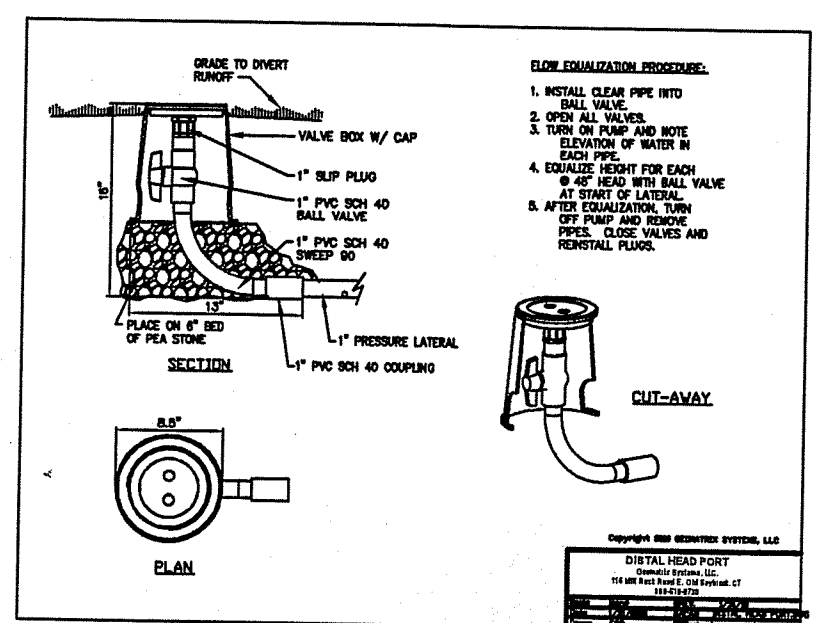
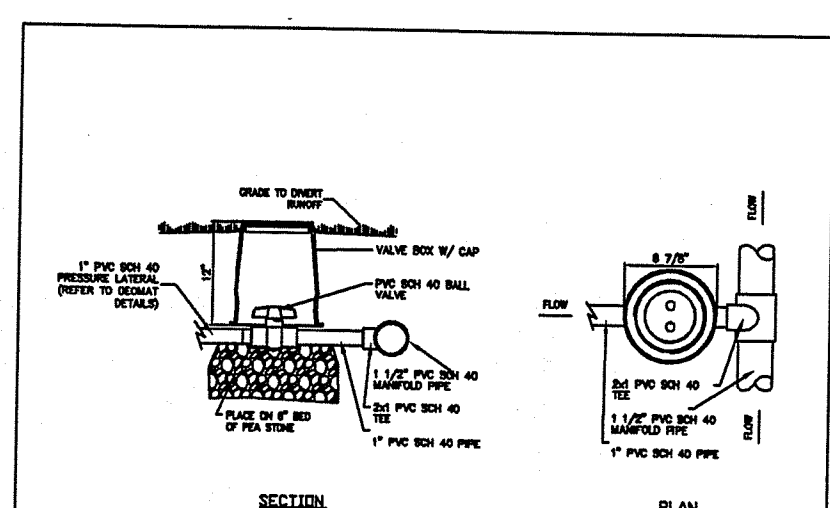
- RAIN GARDEN SHALL BE INSPECTED FOLLOWING AT LEAST THE FIRST TWO (2) PRECIPITATION EVENTS OF AT LEAST 1.0 INCH TO ENSURE THAT THE SYSTEM IS FUNCTIONING PROPERLY. THEREAFTER, THE RAIN GARDEN SHALL BE MONITORED AND MAINTAINED TO ASSURE PROPER FUNCTIONING PLANT GROWTH AND SURVIVAL. PLANTS SHALL BE REPLACED ON AN AS-NEEDED BASIS DURING THE GROWING SEASON.
- SILT/SEDIMENT SHALL BE REMOVED FROM THE RAIN GARDEN WHEN THE ACCUMULATED SEDIMENT EXCEEDS ONE (1) INCH, OR WHEN WATER PONDS FOR MORE THAN 48 HOURS. THE TOP FEW INCHES OF MATERIAL SHALL BE REMOVED AND REPLACED WITH FRESH SOIL MIXTURE AND MULCH.
- PRUNING OR REPLACEMENT OF WOODY VEGETATION SHALL OCCUR WHEN DEAD OR DYING VEGETATION IS OBSERVED.
- SOIL EROSION GULLIES SHALL BE REPAIRED WHEN THEY OCCUR.
- FERTILIZER OR PESTICIDES SHALL NOT BE APPLIED TO PLANTS WITHIN RAIN GARDENS.
- PERENNIAL PLANTS AND GROUND COVERS SHALL BE REPLACED AS NECESSARY TO MAINTAIN AN ADEQUATE VEGETATED GROUND COVER. ANNUAL PLANTS MAY ALSO BE USED TO MAINTAIN GROUND COVER.
- THE PROPOSED PLANTINGS FOR THE RAIN GARDEN SHALL BE SUITABLE NATIVE PLANTS USED IN ACCORDANCE WITH THE RHODE ISLAND COASTAL PLANT GUIDE, WHICH IS LOCATED AT CELS.URI.EDU/TESTSITE/COASTALPLANTS/COASTALPLANTGUIDE.HTM.
- THE RAIN GARDENS SHALL BE PHYSICALLY DELINEATED PRIOR TO THE START OF CONSTRUCTION TO PREVENT ADDITIONAL COMPACTION.



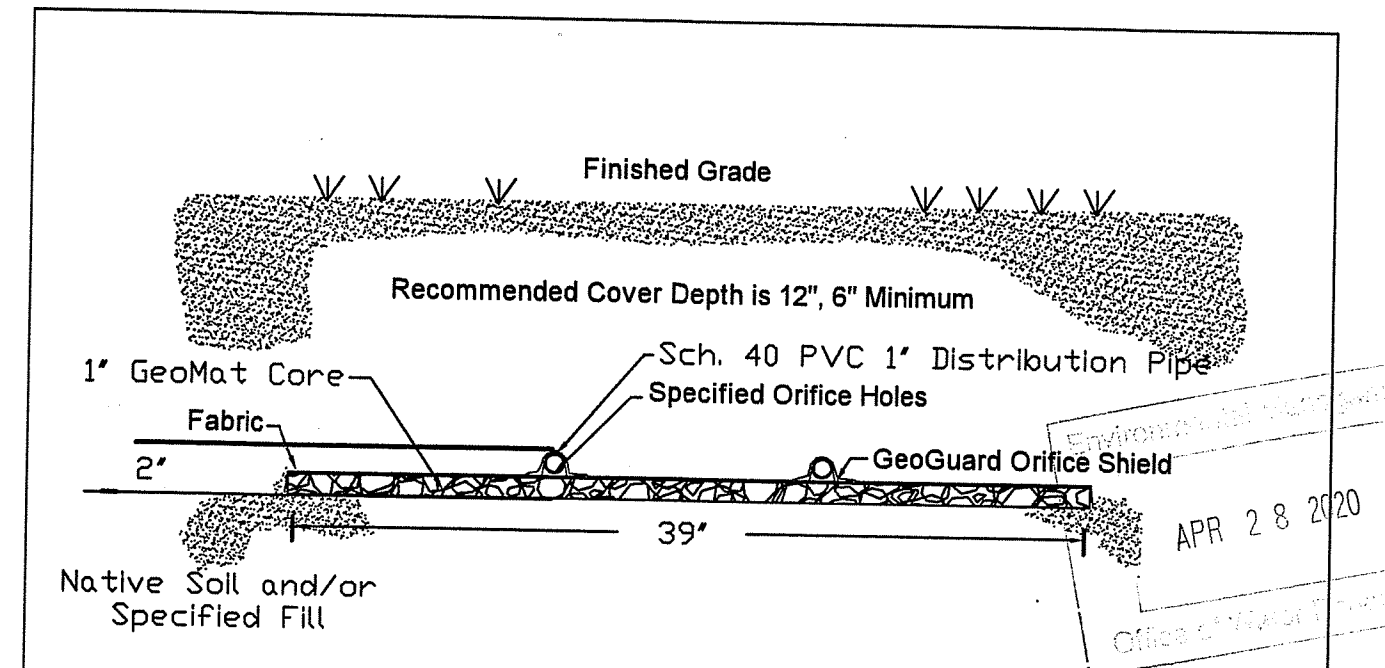
**NOTES:**

- THE PROPOSED CRUSHED STONE MUST BE 3/4" - 1 1/2" DIAMETER, WASHED, ANGULAR CRUSHED STONE INSTALLED TO A MINIMUM DEPTH OF 3 INCHES.
- THE GRADE OF THE FINISHED DRIVEWAY SHALL NOT BE HIGHER THAN THE ADJACENT GROUND ELEVATION.

**TYPICAL DRIVEWAY CROSS-SECTION**  
NOT TO SCALE

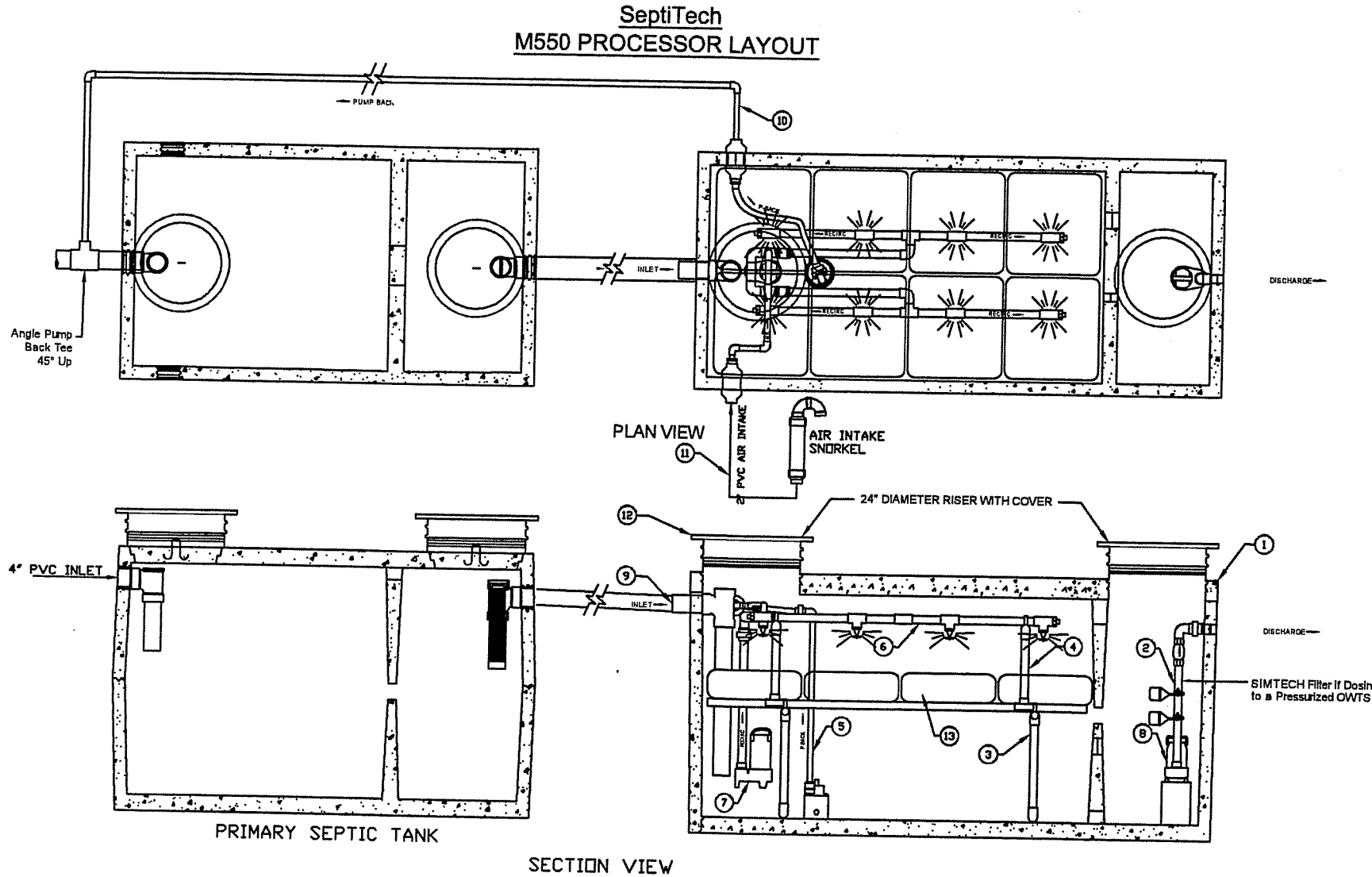


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Manufactured under one or more of the following US patents: 7,374,670; 7,365,376; Other US and foreign patents pending.  
3900 One Zone Design  
GeoMat Systems, LLC  
114 Mill Hill Road, East Windsor, CT  
06026-1025  
Date: 05/20/20  
Rev: 02/20/20  
Scale: 1" = 10'-0"  
Drawn: ERP  
Sheet: 1 of 1



**NOTE:** Lateral spacing as required

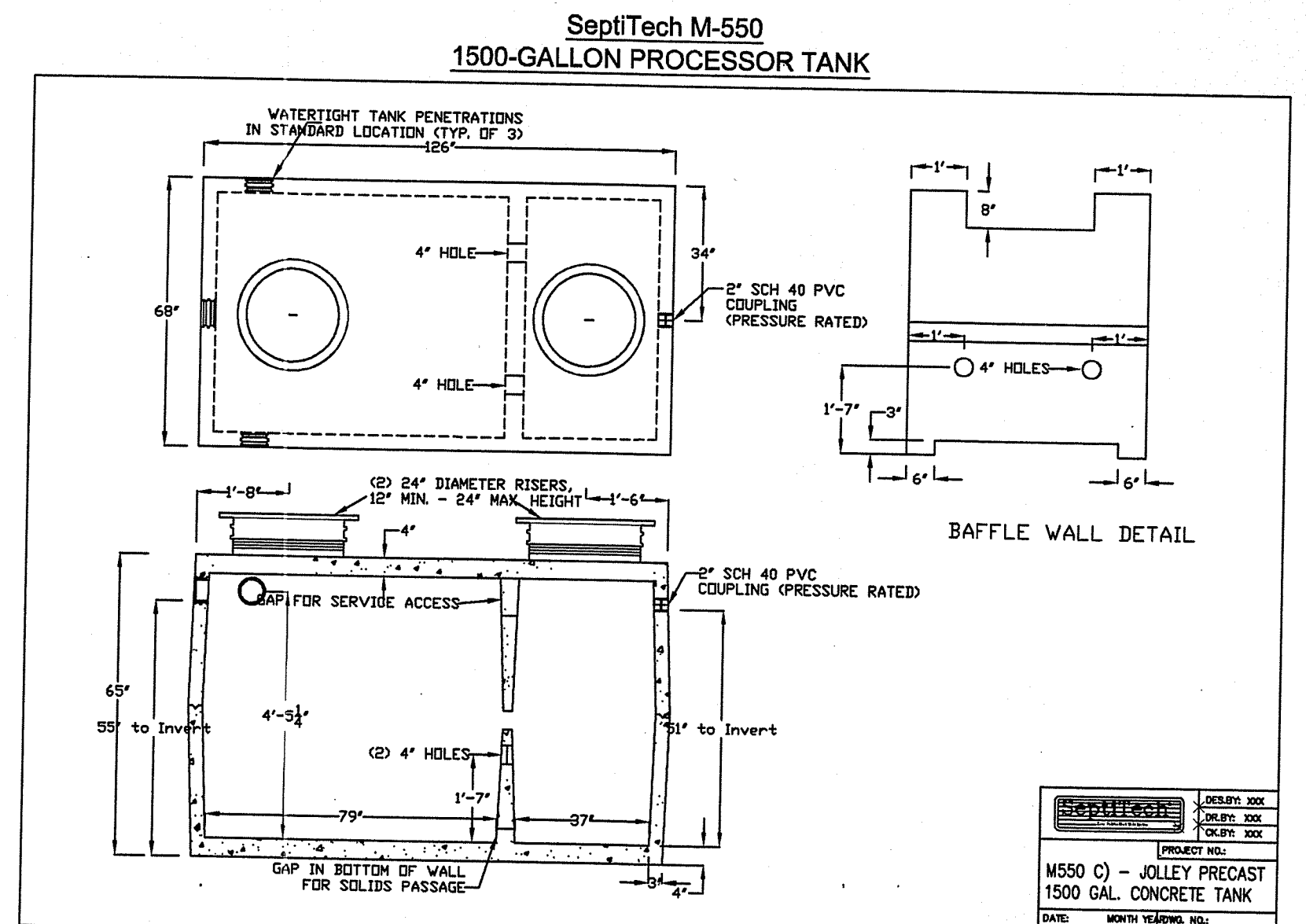
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Manufactured under one or more of the following US patents: 7,374,670; 7,365,376; Other US and foreign patents pending.  
GEOMAT™ 3900 LEACHING SYSTEM  
Cross Section  
GeoMat Systems, LLC, 114 Mill Hill Road, East Windsor, CT 06026-1025  
Date: 05/20/20  
Rev: 02/20/20  
Scale: 1" = 10'-0"  
Drawn: ERP  
Sheet: 1 of 1



ITEM	DESCRIPTION	ITEM	DESCRIPTION
1	1500 Gal. CONCRETE TANK	8	Discharge Pump
2	Discharge Assembly w/ SIMTECH Filter (if required)	9	1" PVC Pipe
3	Support Structure	10	Pump Back Line
4	Spray Header Support Structure	11	Air Intake Line
5	Pump Back Assembly	12	Riser with Cover
6	Spray Header Assembly	13	Bio Media
7	Recirculation Pump		

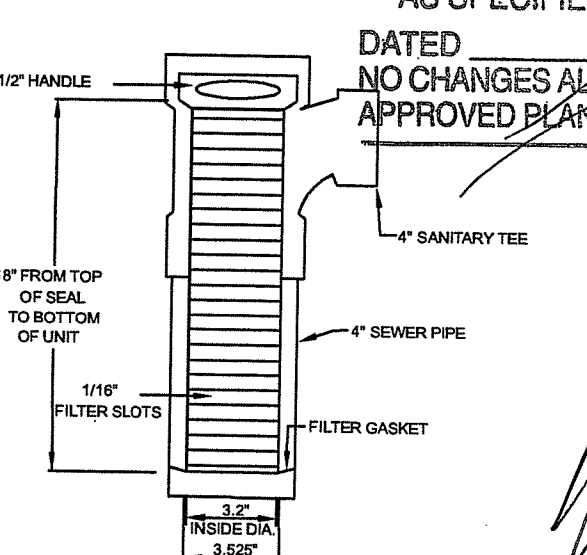
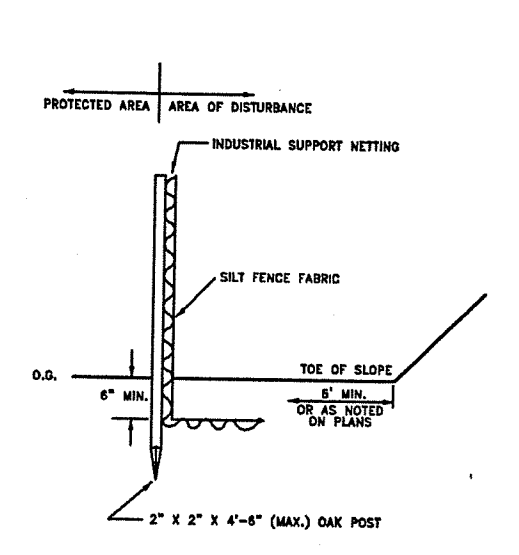
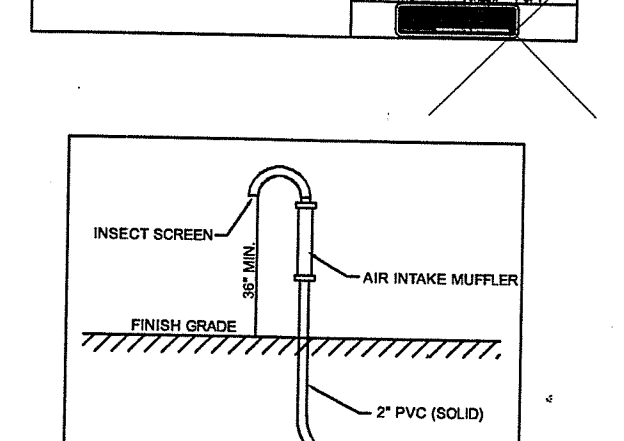
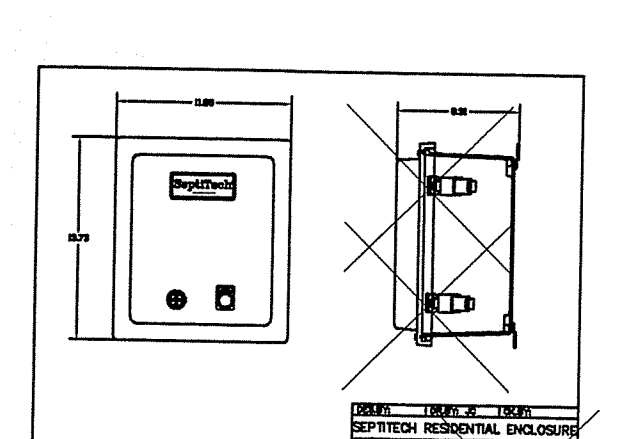
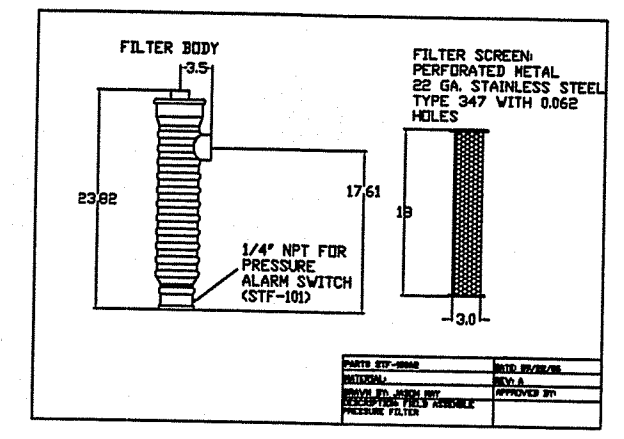
**NOTE TO INSTALLER**

The primary septic tank needs to be filled with clean water to the level of the outlet. The SeptiTech processor tank needs to be 1/2 filled with clean water prior to startup.



**NOTE:** ACCESS LIDS SHALL WEIGH 55 LB OR SHALL BE TAMPER RESISTANT AND MECHANICALLY FASTENED. EACH ACCESS OPENING SHALL HAVE A LABEL STATING "ENTRANCE INTO THE TANK COULD BE FATAL".

ALL PRE-ASSEMBLED TANKS SHALL BE CERTIFIED WATER TIGHT BY THE MANUFACTURER. ALL TANKS ASSEMBLED ON-SITE SHALL BE CERTIFIED WATER TIGHT IN THE FIELD. CERTIFICATE BY MANUFACTURER OR FROM ON-SITE TESTING SHALL BE INCLUDED WITH BILL OF LADEN.



APR 28 2020

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
FILE #  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

PROFESSIONAL LAND SURVEYOR  
MICHAEL J. KALBERER  
1978  
4/27/20

PROPOSED O.W.T.S. PLAN FOR  
**PATRICIA KALBERER**  
PLAT 2, LOT 249  
COURT STREET AND WILDFLOWER LANE  
JAMESTOWN, RHODE ISLAND

SCALE: AS NOTED

REVISIONS:  
DRAWING NO: 2020\_006  
DATE: APR. 27, 2020

SHEET NO: 2 OF 2  
DATE: MAR. 6, 2020  
DRAWN BY: S.A.K.

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PHONE 401-475-5700  
E-MAIL: MIKE@DARVEAUSURVEY.COM