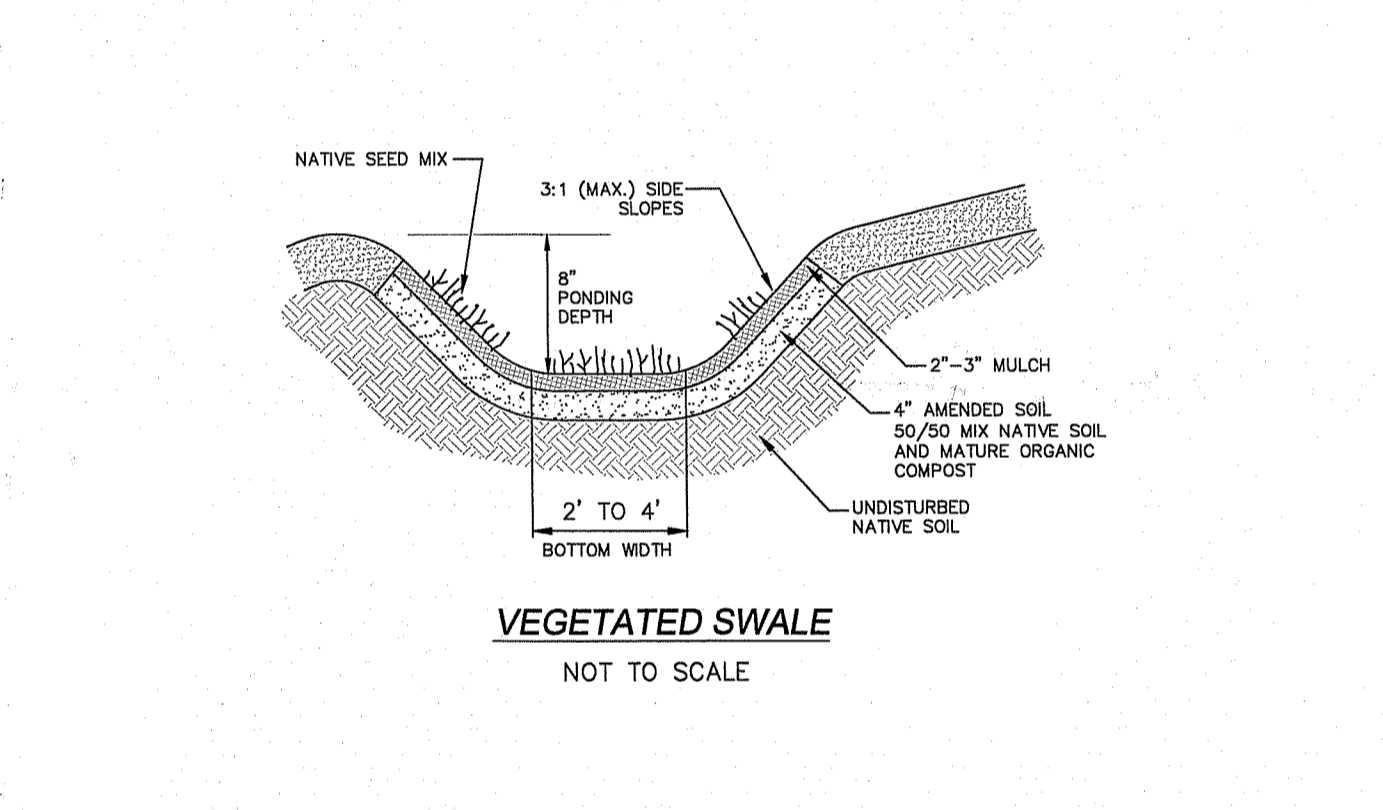
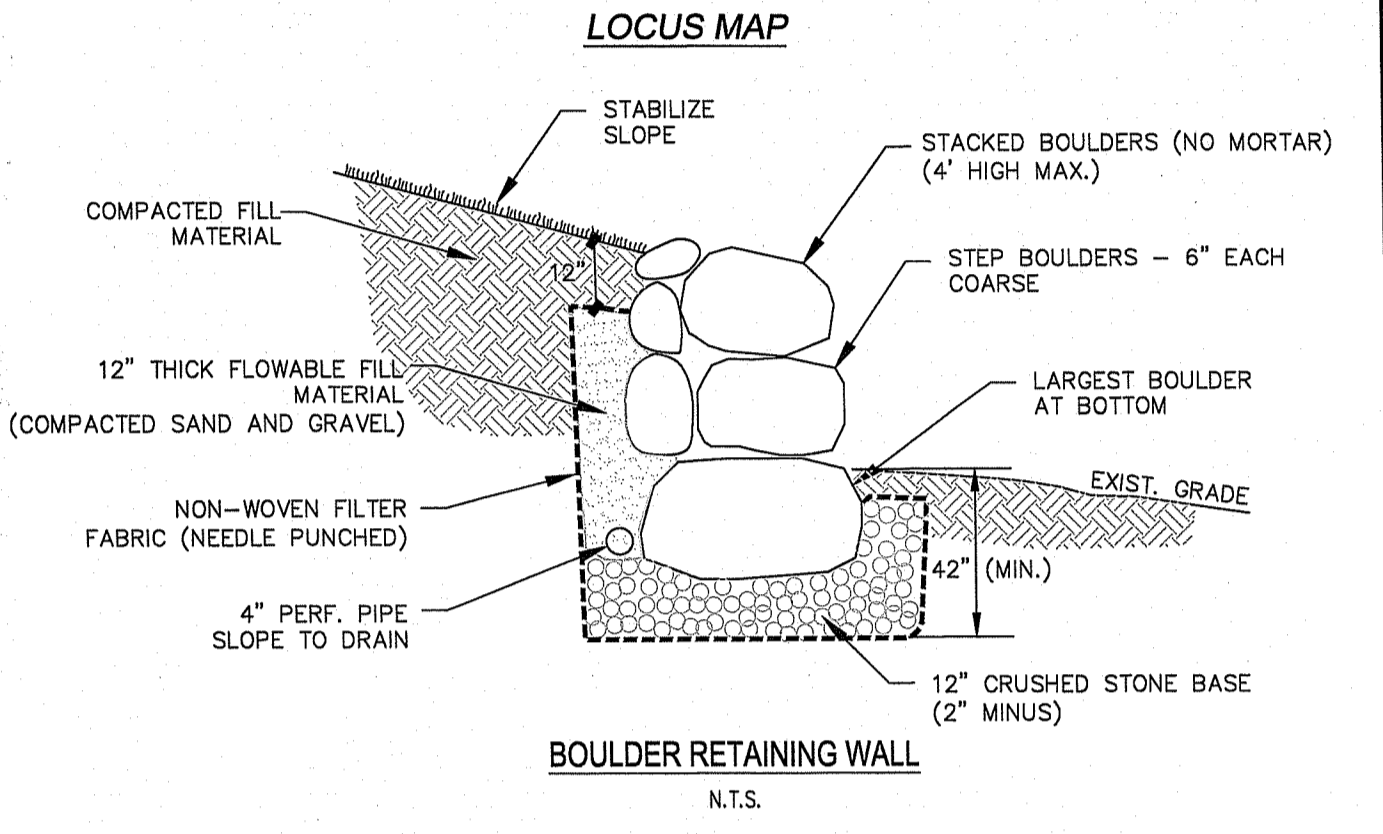
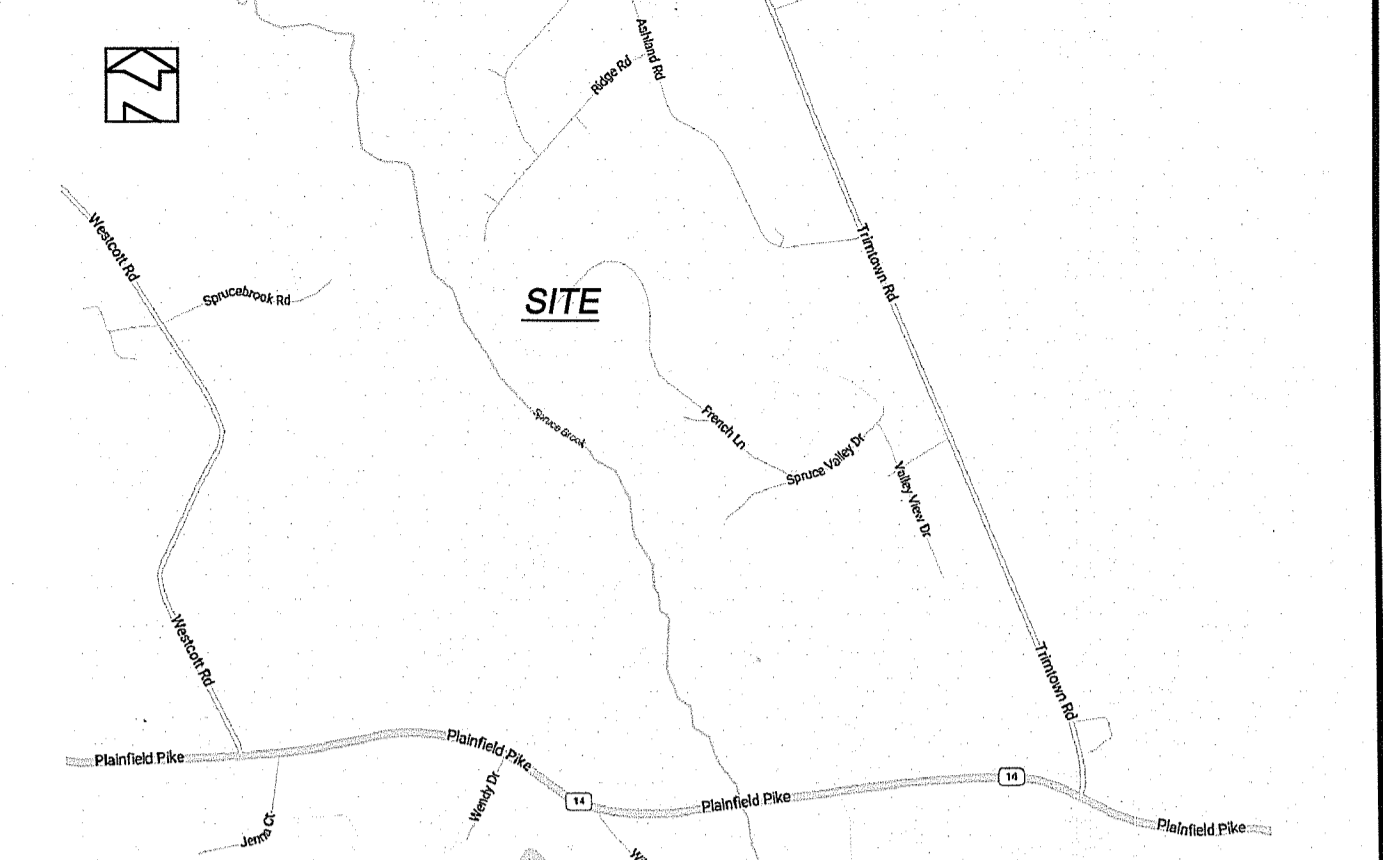
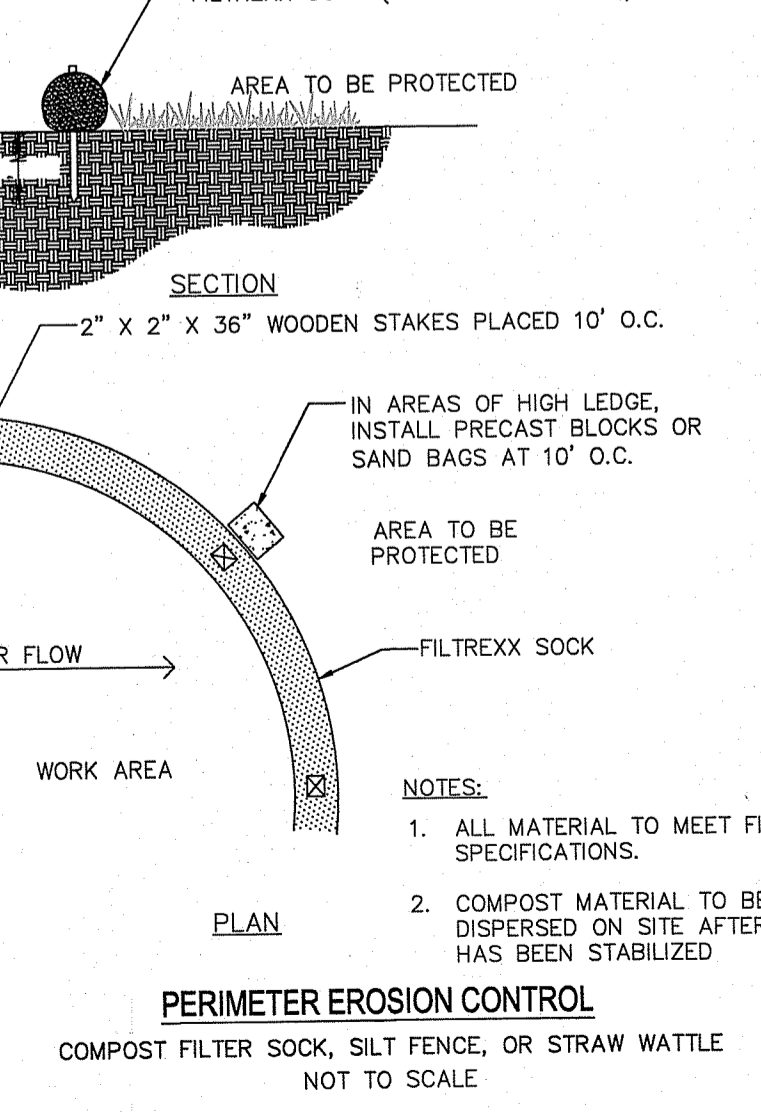
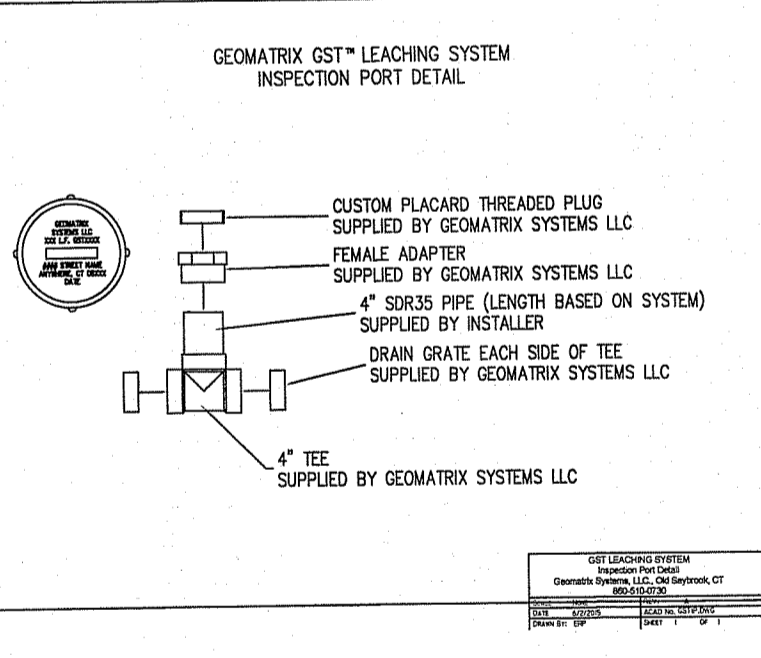
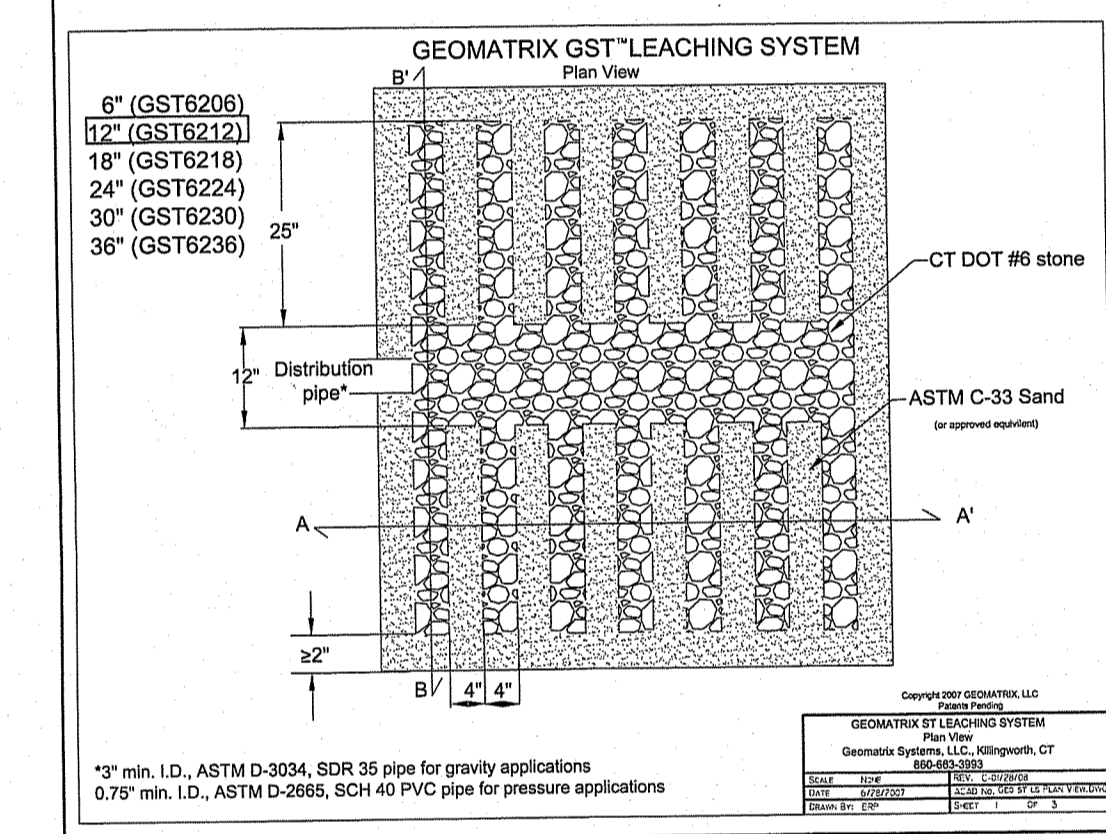
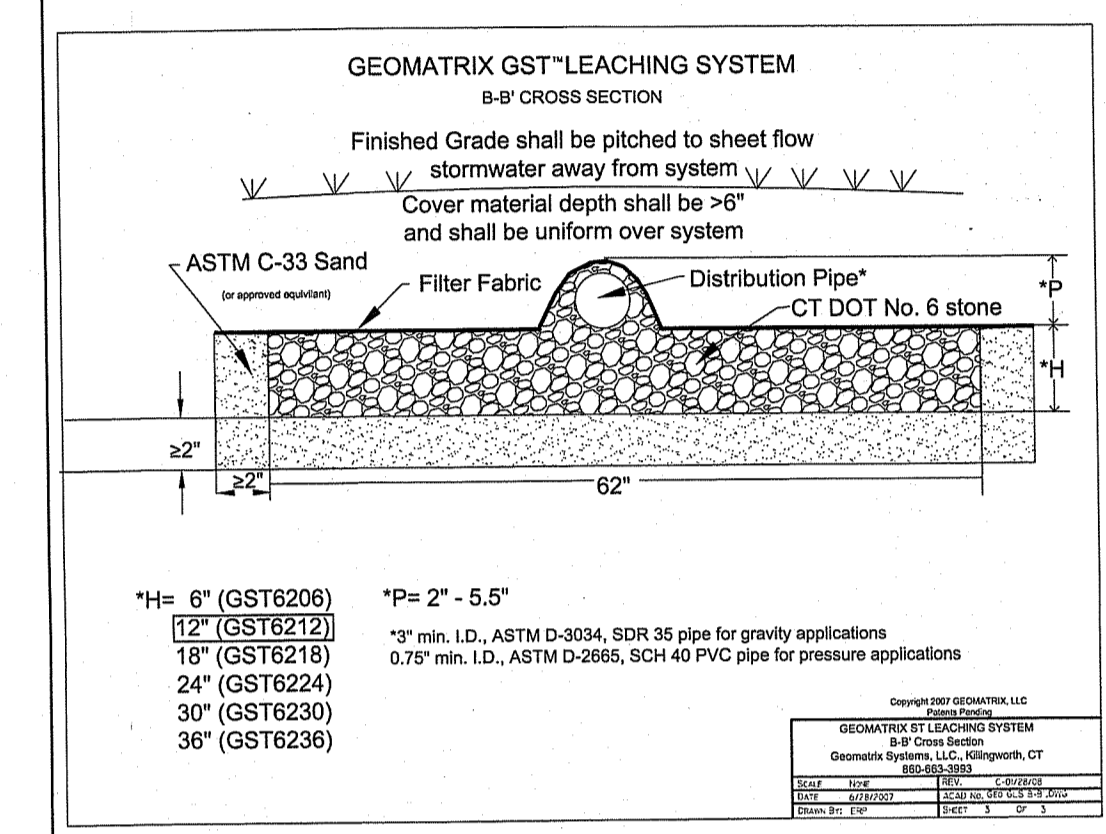
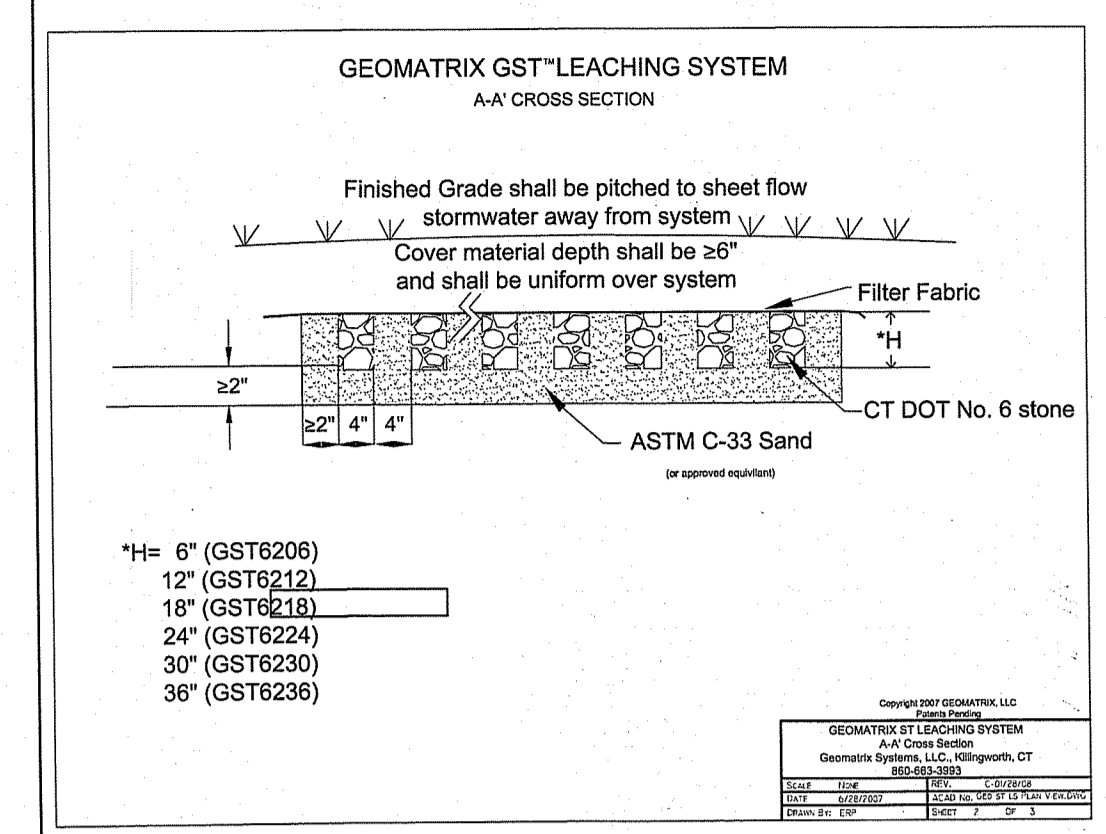


- General Notes:**
- PROPERTY LINE, EXISTING CONDITIONS, AND TOPOGRAPHY SHOWN ON THIS PLAN WAS PREPARED BY NATIONAL LAND SURVEYORS, 42 HAMLET AVE, WOONSOCKET RI.
  - WETLANDS RESOURCES WERE DELINEATED BY NATURAL RESOURCE SERVICES IN DECEMBER, 2006.
  - THE CONTRACTOR SHALL NOTIFY DIG-SAFE 72 HOURS PRIOR TO START OF CONSTRUCTION.
  - EROSION CONTROL MEASURES SHOWN ON THIS PLAN ARE TO BE CONSIDERED THE MINIMUM REQUIREMENT FOR CONTROLS. THE CONTRACTOR SHALL HAVE THE RESPONSIBILITY TO INSTALL AND MAINTAIN ADDITIONAL EROSION CONTROLS AS REQUIRED DURING CONSTRUCTION TO MITIGATE SEDIMENT RUNOFF AND PROVIDE FOR SLOPE PROTECTION.
  - ALL DISTURBED AREAS WITHIN LIMIT OF WORK ARE TO BE LOAMED (4" MIN.) & SEEDED AND/OR LANDSCAPED WITH PLANTED MULCH BEDS.
- On-Site Wastewater Treatment System Notes:**
- ALL DESIGN, CONSTRUCTION, AND MAINTENANCE REQUIREMENTS, WHETHER NOTED HEREON OR NOT, SHALL BE IN CONFORMANCE WITH RULES AND REGULATIONS ESTABLISHING MINIMUM STANDARDS RELATING TO LOCATION, DESIGN, CONSTRUCTION AND MAINTENANCE OF ON-SITE WASTEWATER TREATMENT SYSTEMS, RI GENERAL LAW 230-10R-150-10-6.
  - STRIP LEACHING AREA + 5'-0" AROUND AND EXCAVATE DOWN TO ELEVATION 420.12 (OR AS REQUIRED UPON INSPECTIONS) AND REPLACE WITH GRAVEL AS SPECIFIED IN RIDEM REGULATIONS.
  - INSTALLER MUST ASSURE THAT BOTTOM AND SIDES OF EXCAVATION FOR THE LEACHFIELD ARE NOT COMPACTED OR SMOEAD.
  - ALL TREES, STUMPS, AND BRUSH SHALL BE REMOVED WITHIN 10 FEET OF THE SYSTEM.
  - MAINTAIN INVERT ELEVATION OF 420.12 FOR 10 FEET AROUND SYSTEM.
  - THERE ARE NO KNOWN PRIVATE WELLS OR DRAINS EXIST OR PROPOSED LOCATED WITHIN 200 FEET OF THE OWTS EXCEPT AS SHOWN AND NO KNOWN PUBLIC WELLS (EXIST. & PROP.) LOCATED WITHIN 500 FEET OF THE PROPOSED OWTS.
  - THERE ARE NO KNOWN SUBSURFACE DRAINS, EXISTING OR PROPOSED, WITHIN 500 FEET OF THE PROPOSED OWTS.
  - ALL PVC PIPE SHALL BE 4" DIA. SDR 35 OR EQUIVALENT, UNLESS NOTED OTHERWISE.
  - THE SEPTIC TANK SHALL HAVE TEES ON BOTH THE INLET AND OUTLET AND SHALL BE A TWO (2) COMPARTMENT TANK WITH THE 1ST COMPARTMENT CONSISTING OF 2/3 TANK CAPACITY.
  - THE DISTRIBUTION BOX SHALL HAVE A MINIMUM BOTTOM AREA OF 3 SQUARE FEET.
  - NO VEHICULAR TRAFFIC IS ALLOWED OVER THE LEACHFIELD.
  - THE INSTALLER SHALL CONTACT THE DESIGN OF RECORD AT LEAST 24 HOURS PRIOR TO START OF CONSTRUCTION.

**Zoning Information**

ZONING CRITERIA-	REQUIRED
ZONING DISTRICT	RR 120
MINIMUM LOT SIZE	120,000 SF
MINIMUM LOT WIDTH	300 FT
MINIMUM FRONT YARD SETBACK	50 FT
MINIMUM SIDEYARD SETBACK	35 FT
MINIMUM REAR YARD SETBACK	60 FT
MAXIMUM BUILDING COVERAGE	15%
MAXIMUM BUILDING HEIGHT	36 FT

- LEGEND**
- ○ ○ ○ ○ STONE WALL
  - — — — — PROPERTY LINE
  - FOUND DRILL HOLE
  - FOUND IRON ROD
  - FOUND IRON PIPE
  - UTILITY POLE
  - EXISTING WELL
  - W WATER LINE
  - G GAS LINE
  - OH OVERHEAD WIRE
  - SEV THE SOIL EVALUATION TEST HOLE
  - SF SQUARE FEET
  - AC ACRES
  - TOP TOP OF FOUNDATION
  - AP TAX ASSESSOR'S PLAT
  - N/F NOW OR FORMERLY
  - EXISTING CONTOUR
  - (60) PROPOSED CONTOUR
  - 88x0 SPOT GRADE
  - EXISTING TREE
  - EXISTING TREES TO BE REMOVED
  - GRADE TO DRAIN



**DESIGN CALCULATIONS**

SOIL CATEGORY 3 LOADING RATE 0.7 GAL/SF/DAY  
DESIGN WATER TABLE 51" PER SEV\*\* 12/5/2007

DAILY SEWAGE FLOW RATE:  
4 BDRM UNITS x 115 GAL/BDRM UNIT = 460 GPD

REQUIRED (MIN.) LEACHING AREA:  
460 GPD / 0.7 GAL/SF/DAY = 658 SF

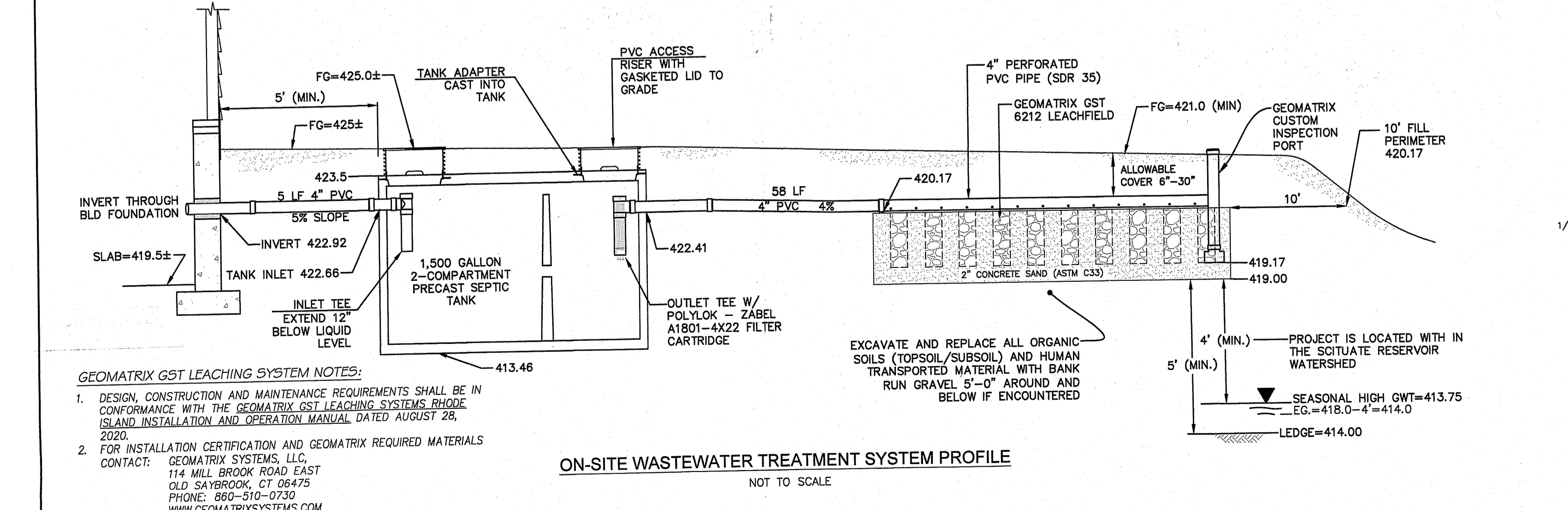
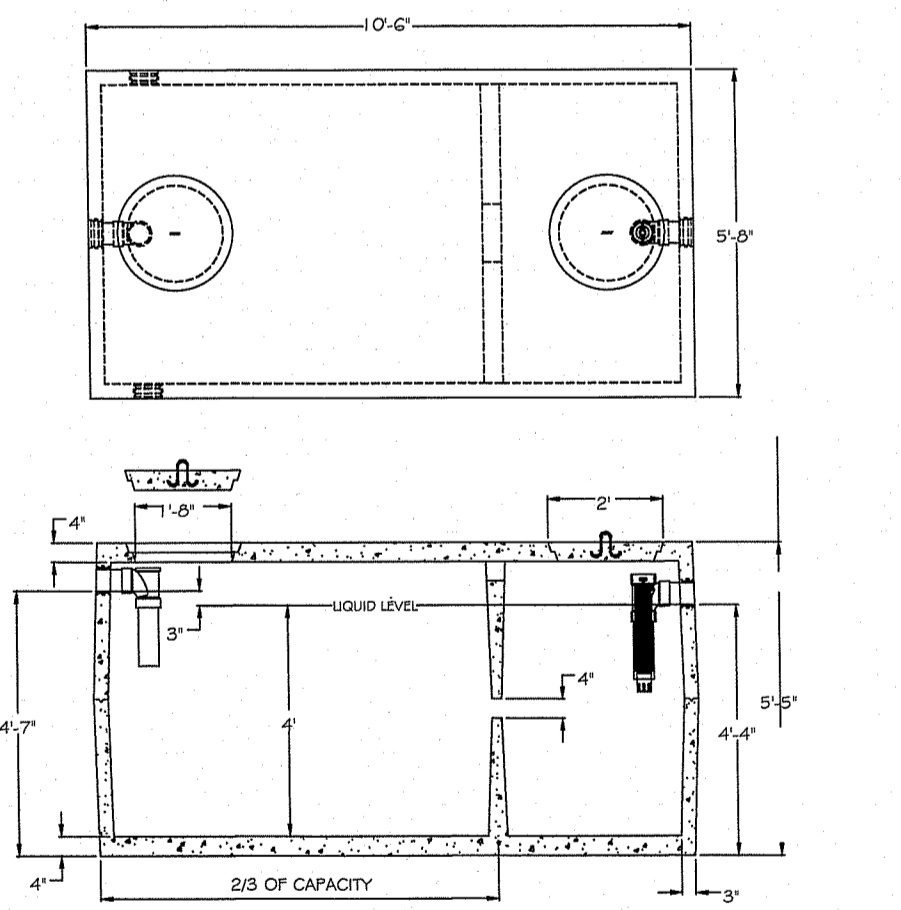
GST SYSTEM SIZING (GST 6212/12" STONE):  
658 SF REQ'D + 17.5 SF/LF = 38 LF REQ'D

GST SYSTEM SIZING (GST 6212/12" STONE):  
17.5 SF/LF x 44 LF = 770 SF PROVIDED

GST 6212 REQUIRED 3/4" STONE VOLUME:  
0.27 CY/LF x 40 LF = 11 CY

GST 6212 REQUIRED C-33 SAND VOLUME:  
0.35 CY/LF x 40 LF = 15 CY

\* DOES NOT INCLUDE SAND REQUIRED UNDER THE SYSTEM.  
\*\* SEV TH 14A ESWHT = 51" FROM ORIGINAL GRADE TOTAL



**GEOMATRIX GST LEACHING SYSTEM NOTES:**

- DESIGN, CONSTRUCTION AND MAINTENANCE REQUIREMENTS SHALL BE IN CONFORMANCE WITH THE GEOMATRIX GST LEACHING SYSTEMS BRIDGE ISLAND INSTALLATION AND OPERATION MANUAL DATED AUGUST 28, 2020.
- FOR INSTALLATION CERTIFICATION AND GEOMATRIX REQUIRED MATERIALS CONTACT: GEOMATRIX SYSTEMS, LLC  
114 MILL BROOK ROAD EAST  
OLD SAYBROOK, CT 06475  
PHONE: 860-310-0730  
WWW.GEOMATRIXSYSTEMS.COM

**PROPOSED OWTS SITE PLAN**

Project:  
**Stephen French**  
**North Scituate Estates, Lot 7**  
**SCITUATE, RHODE ISLAND**

**DANIEL JOUBERT, PE**  
11 CATTAIL DRIVE  
WESTERLY, RI 02891  
September 2024

Daniel P. Joubert Jr  
No. 9 14718  
REGISTERED PROFESSIONAL ENGINEER CIVIL