

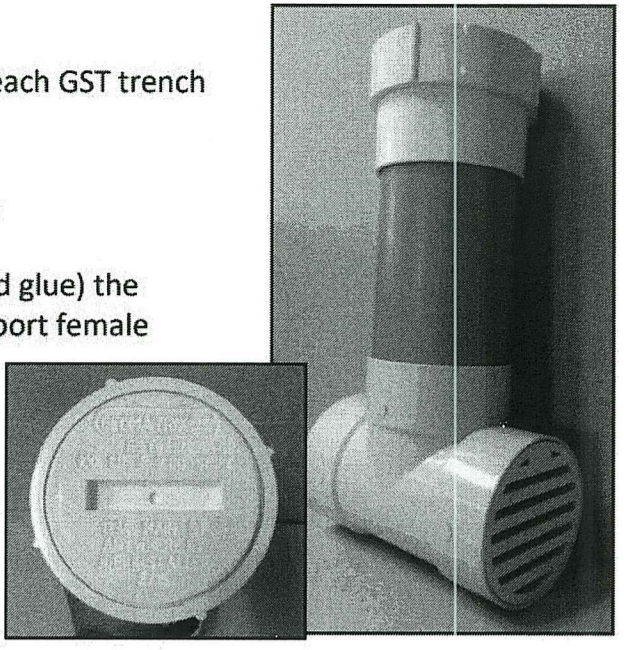
**14.0 INSPECTION PORT.**

Installation of inspection ports is required on each GST trench on all systems.

**14.1 Glue together inspection port components.**

**14.1.1** Using a 2 part solvent weld (prime and glue) the inspection port base tee and the inspection port female adaptor to opposite ends of a length of SDR 35 pipe long enough to extend from the system bottom elevation too just below finish grade. Install threaded plug into the female adaptor.

**14.2** Insert assembled inspection port in to any center channel opening along the length of the GST trench before stone is put in to place. This inspection port is located in the last GST form in a row.



INSPECTION PORT SPECIFICATION

**NOTES**

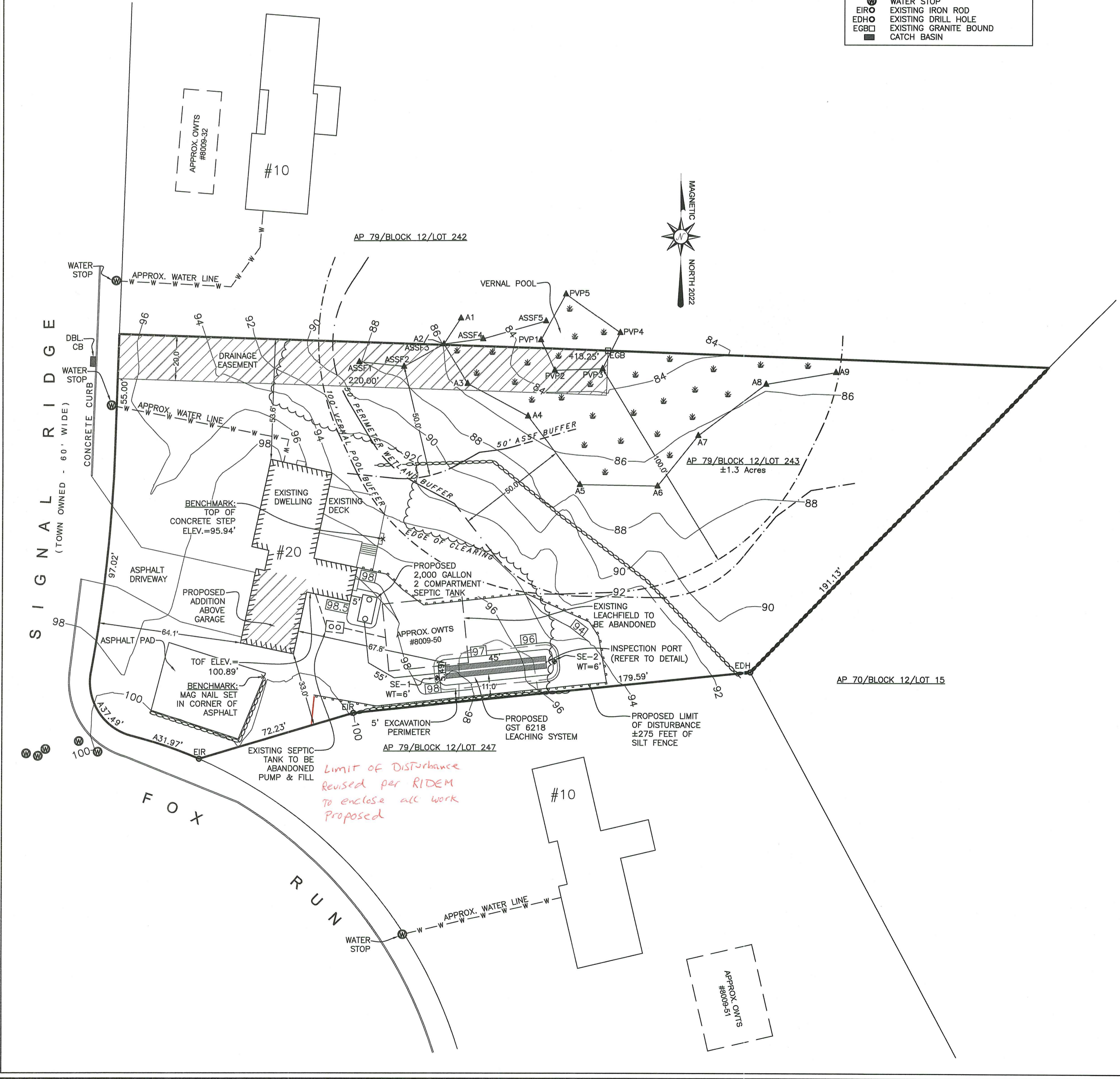
Refer to OWTS # 2209-1229. Do not park on OWTS area. Seed OWTS area with grass. Extend septic tank manholes to grade as shown. Grade to divert runoff. Remove all vegetation & trees within 10' of proposed OWTS. No wells existing or proposed within 200' of proposed OWTS, except as shown. No public wells existing or proposed within 500' of proposed OWTS. No underground drains existing or proposed within 25' of OWTS. Lot lines as shown are approximate and should be verified prior to construction activities. Use 4" diameter sewer pipe (SDR 35) watertight joints. Designer must supervise all phases of installation of OWTS. Wetlands delineated by Ecosystem Solutions Inc.

**ADDITIONAL NOTES**

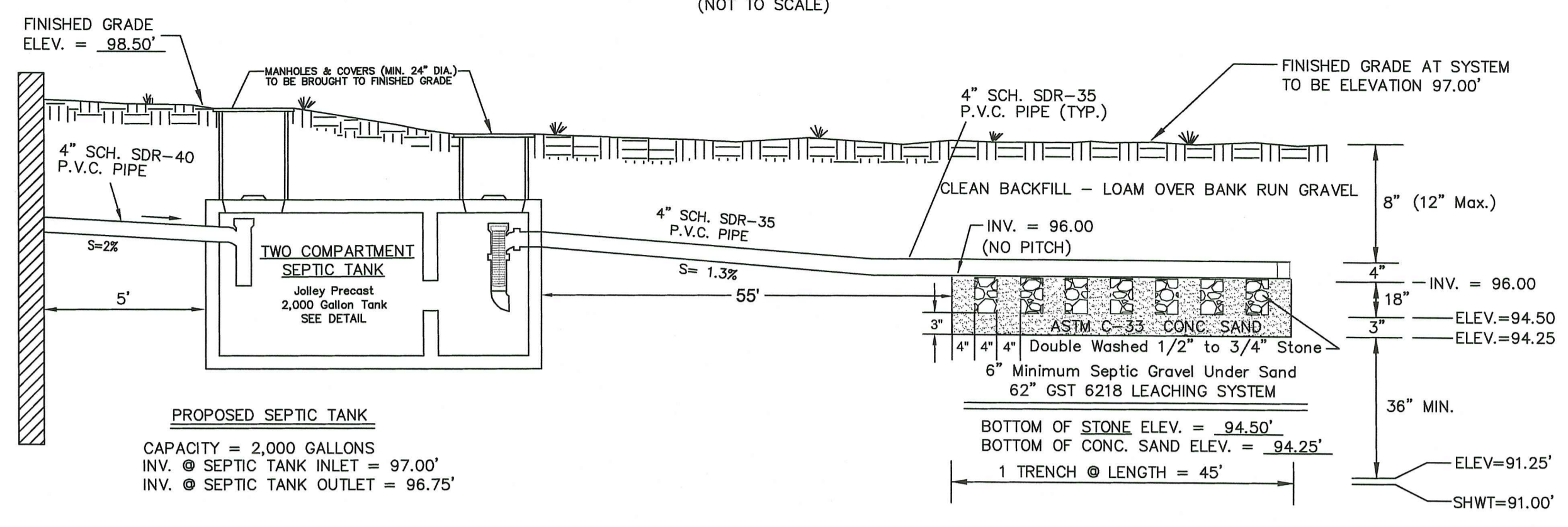
- Excavate OWTS area & 5' all around to Elev. 93.75' or to remove subsoil, fines, and part of abandoned leachfield as necessary. Install septic gravel to Elev. 94.50'
- Install 3" of concrete sand, then install 18" GST templates. Follow GST installation handout.
- Location of underground utilities is approximate and should be verified by contractor prior to any construction activities.
- Installer to contact designer prior to start of construction.
- Installer to provide copies of any state inspection reports & receipts for material and components.

**LEGEND**

AP	ASSESSOR'S PLAT
ASSF	AREA SUBJECT TO STORM FLOW
PVP	VERNAL POOL
W	WETLAND AREA
WF	WETLAND FLAG
WTR	WATER STOP
EIRO	EXISTING IRON ROD
EDHO	EXISTING DRILL HOLE
EGCB	EXISTING GRANITE BOUND
CB	CATCH BASIN



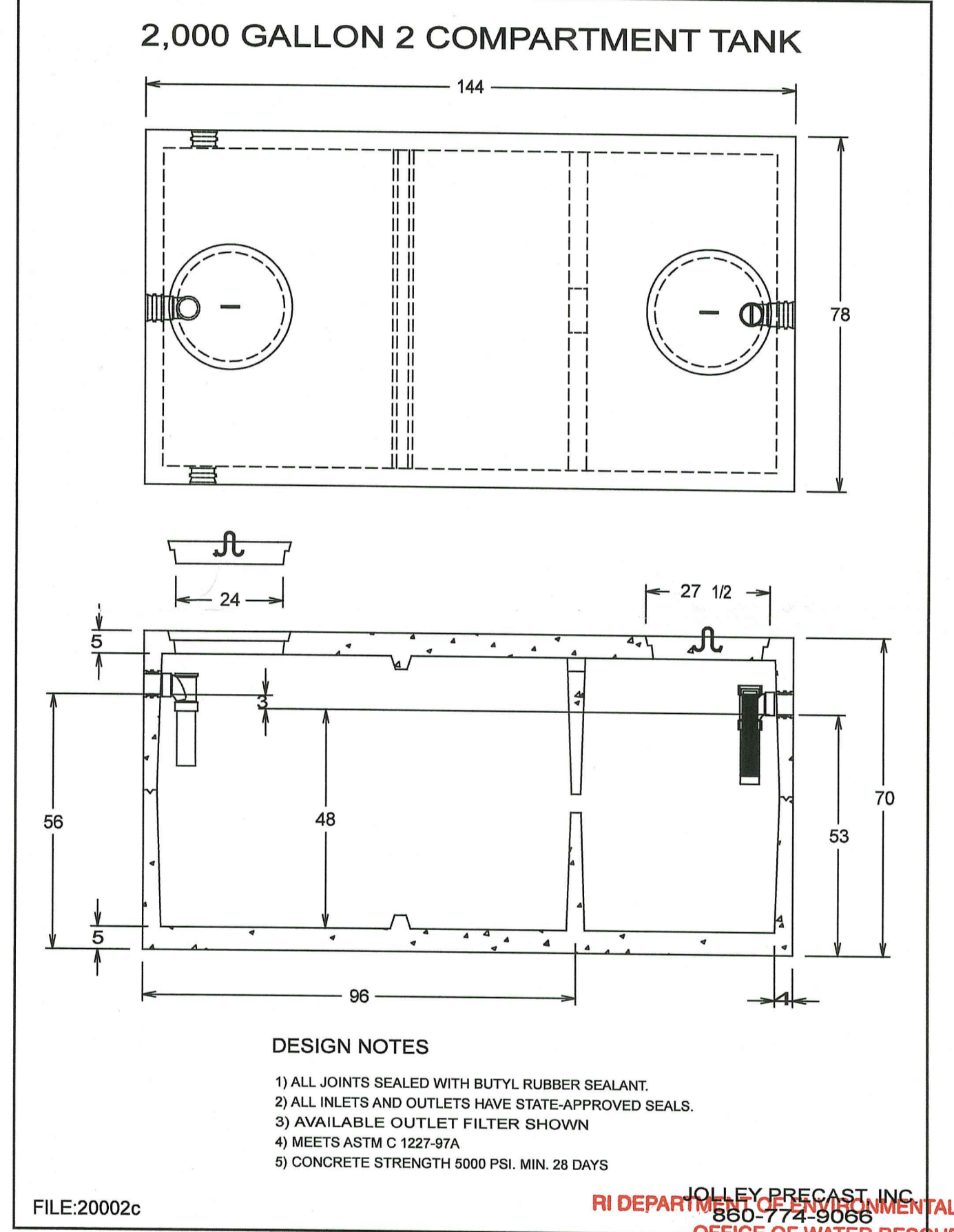
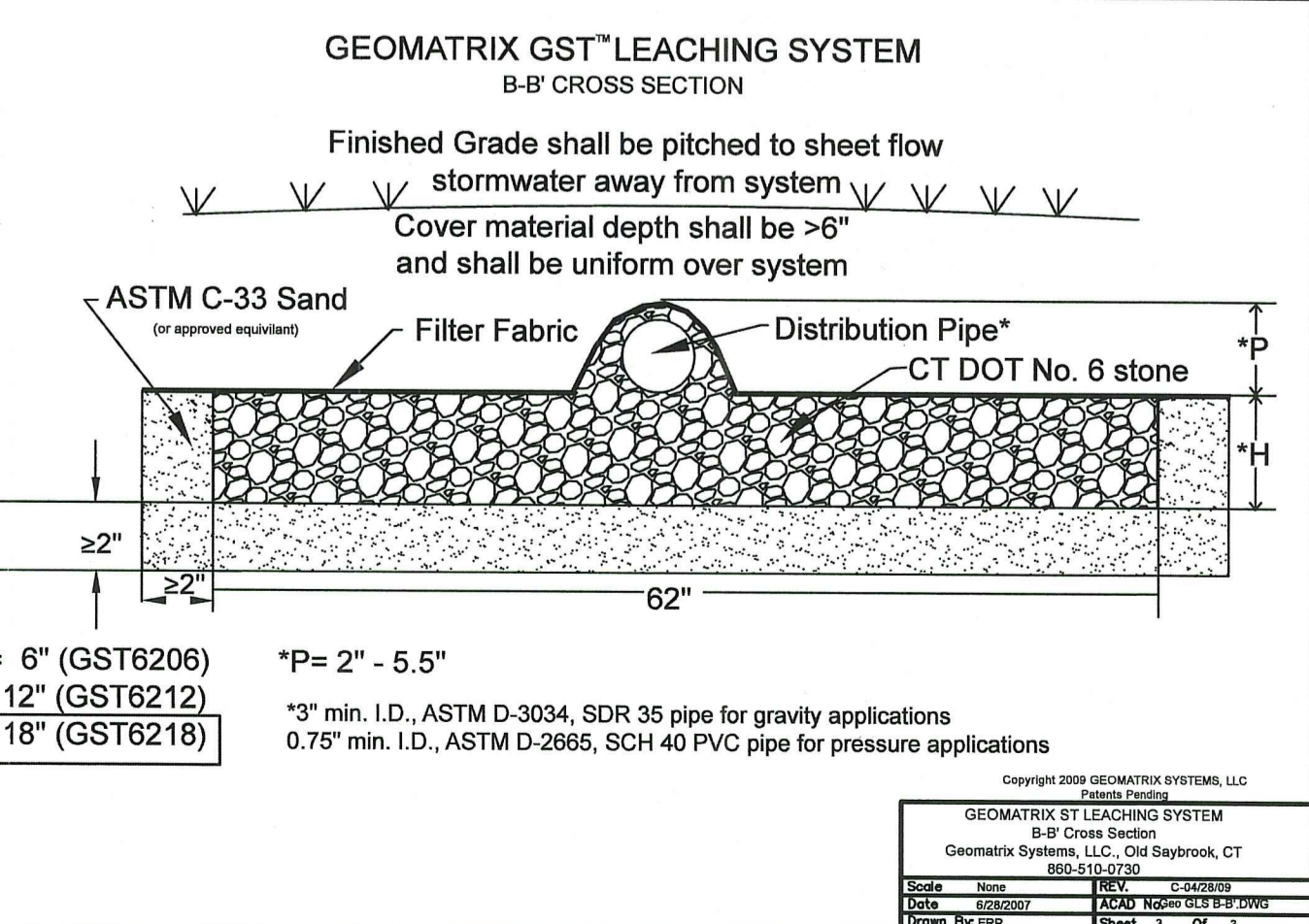
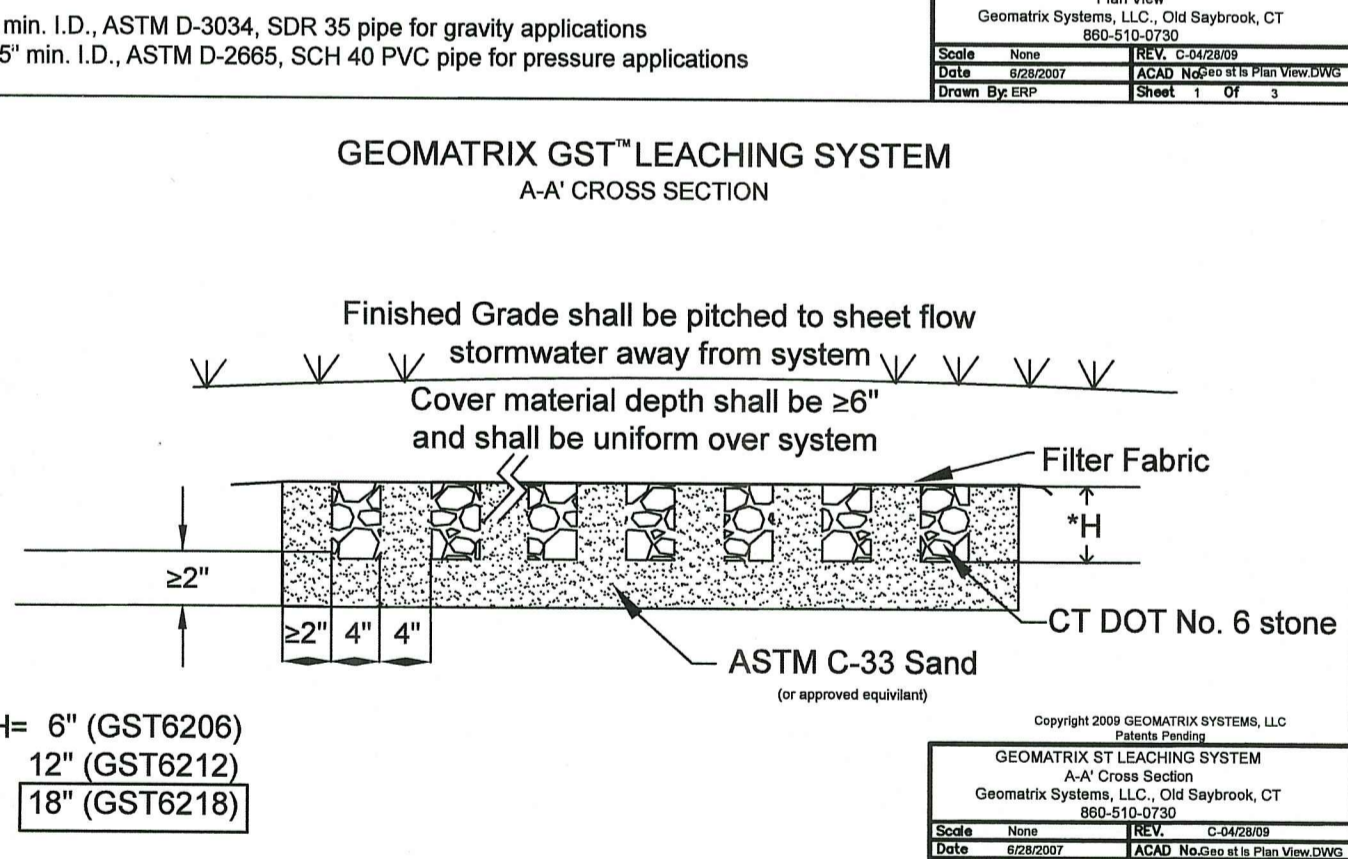
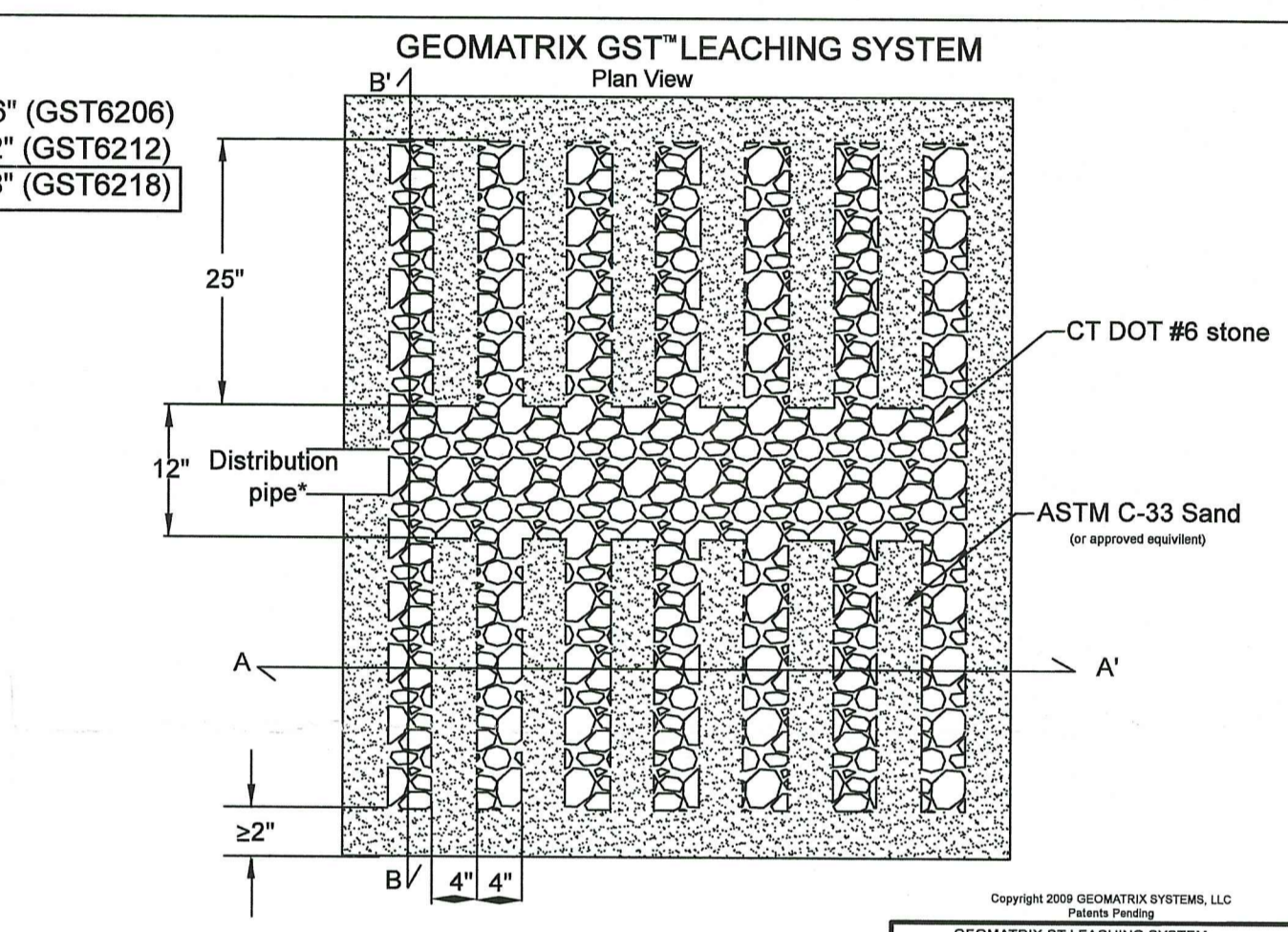
TOF=100.89'  
PROPOSED BUILDING INVERT = 97.10'



**DESIGN DATA**

MAXIMUM GROUNDWATER IN AREA OF LEACH FIELD = 91.00'  
LOADING RATE = 0.52 GAL/SF/DAY (Category 5 Soils)  
PROPOSED NUMBER OF BEDROOMS = 5  
REQUIRED LEACHING AREA = 115 GAL/DAY/BDRM X 5 BEDROOM = 575 GAL/DAY  
575 GAL/DAY / 0.52 GALS/SF/DAY = 1,106 S.F. REQUIRED  
GST 6218 REQUIRES 24.8 SF PER FOOT = 1,106 / 24.8 = 44.59 LINEAR FEET OF TRENCH REQUIRED  
AREA PROVIDED = 45 LINEAR FOOT TRENCH X 24.8/FOOT= 1,116 SQUARE FEET PROVIDED

Product Name	Dimensions (W X H)	Effective Leaching Credit (SF/LF)	Edge to Edge Spacing (inches)
GST 6218	62" X 18"	24.8	18



**DESIGN NOTES**

- ALL JOINTS SEALED WITH BUTYL RUBBER SEALANT.
- ALL INLETS AND OUTLETS HAVE STATE-APPROVED SEALS.
- AVAILABLE OUTLET FILTER SHOWN
- MEETS ASTM C 1227-97A
- CONCRETE STRENGTH 5000 PSI, MIN. 28 DAYS

**CERTIFICATION**

THIS SURVEY HAS BEEN CONDUCTED AND THE PLAN HAS BEEN PREPARED PURSUANT TO SECTION 435-RICR-00-00-1.9 OF THE RULES AND REGULATIONS ADOPTED BY THE RHODE ISLAND STATE BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS ON NOVEMBER 29, 2015, AS FOLLOWS:

(A) TYPE OF BOUNDARY SURVEY:  
NOT A BOUNDARY SURVEY.  
THIS COMPILATION PLAN HAS BEEN PREPARED FROM SOURCES OF INFORMATION AND DATA WHOSE POSITIONAL ACCURACY AND RELIABILITY HAS NOT BEEN VERIFIED. THE PROPERTY LINES DEPICTED HEREON DO NOT REPRESENT A BOUNDARY OPINION, AND OTHER INFORMATION DEPICTED IS SUBJECT TO SUCH CHANGES AS AN AUTHORITY FIELD SURVEY MAY DISCLOSE.

(B) OTHER TYPE OF SURVEY:  
DATA ACCUMULATION SURVEY - LOCATION OF SITE FEATURES & TOPOGRAPHY

(C) STATEMENT OF PURPOSE:  
THE PURPOSE OF THIS SURVEY AND PLAN IS TO SHOW EXISTING SITE FEATURES SUFFICIENT TO DESIGN & INSTALL A SEPTIC SYSTEM.

BY: Samuel R. Suorsa 11/08/2022  
REGISTERED PROFESSIONAL LAND SURVEYOR SIGNATURE

Samuel R. Suorsa, PLS  
REGISTERED PROFESSIONAL LAND SURVEYOR PRINTED NAME

A-68  
CERTIFICATE OF AUTHORIZATION NO.

Scale in feet: 1"=30'

Revisions:

SAMUEL R. SUORSA  
PROFESSIONAL LAND SURVEYOR  
No. 2508

COVENTRY CO. SURVEY CO.  
46 South Main Street  
Coventry, Rhode Island 02816  
(401) 823-5028  
Land Surveying / Mapping / OWTS Designs

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL DATED: DEC 8 2 2022 FILE #: 22-0088

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
NOTED DEM: Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site

Date: November 8, 2022

Sheet 1 of 1