

Legend

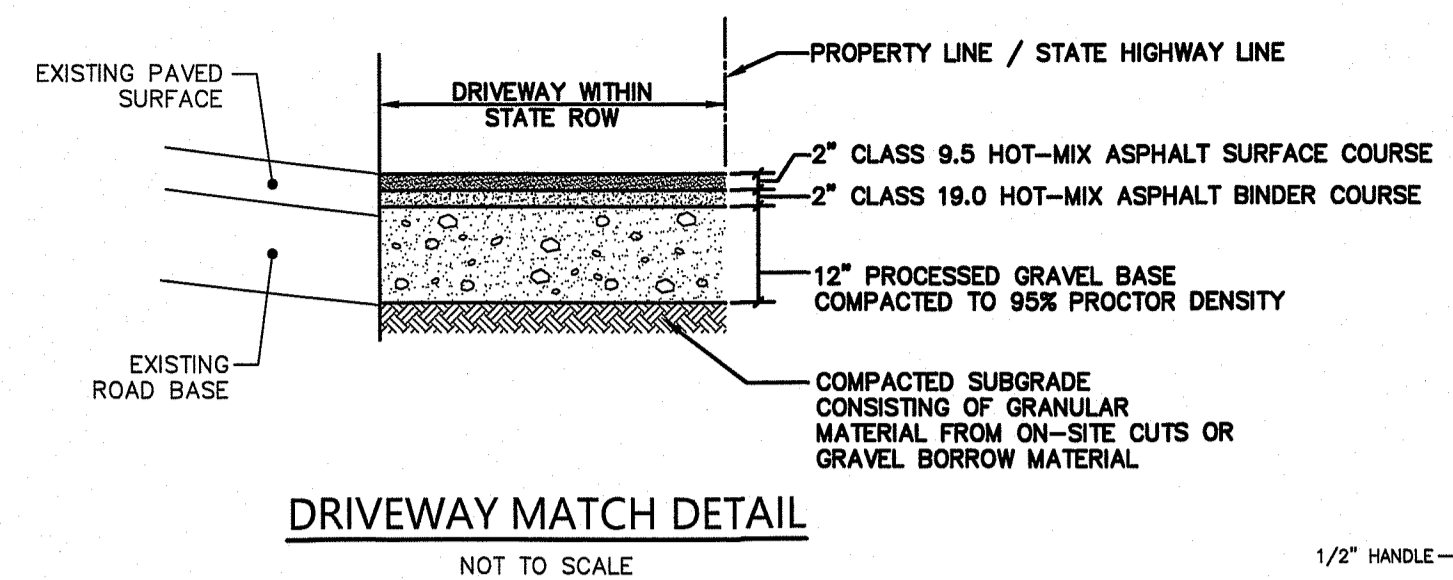
- 100--- EXISTING CONTOUR
- +100.00 EXISTING SPOT ELEVATION
- ⊙ EXISTING WELL
- ⊕ UP9 EXISTING UTILITY POLE
- 0.5W--- EXISTING OVERHEAD WIRES
- E.P.--- EXISTING EDGE OF PAVEMENT
- RIHB □ RI HIGHWAY BOUND
- ⊕ TEST-PIT / SOIL EVALUATION
- ⊕ LEDGE TESTPIT
- ⊕ PROPOSED WELL
- ⊕ PROPOSED CONTOUR
- ⊕ EROSION CONTROL
- T.F. TOP ELEV. OF FOUNDATION

Zoning Information

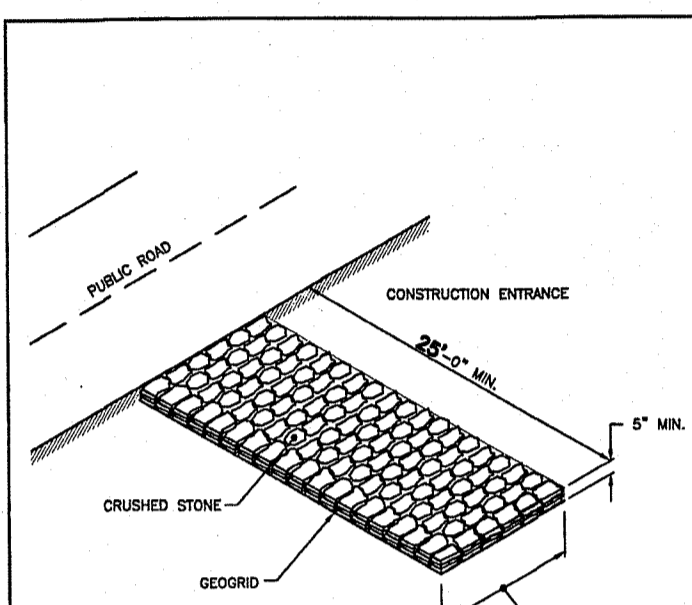
ZONE: RA SINGLE FAMILY
 MINIMUM LOT AREA 65,000 S.F.
 MINIMUM LOT WIDTH 200 FT.
 FRONT YARD SETBACK 40 FT.
 SIDE YARD SETBACK 25 FT.
 REAR YARD SETBACK 40 FT.

Leachfield Sizing

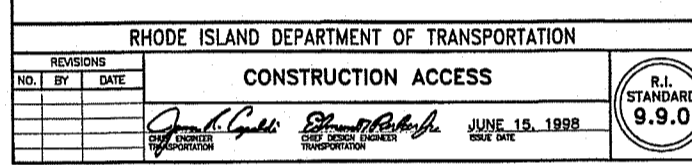
- 4 BEDROOMS X 115 GALLONS PER BEDR/DAY = 460 GALLONS PER DAY
- DESIGN LOADING RATE, SOIL CATEGORY 6 = 0.61 GAL/S.F./DAY
- 460 GPD / 0.61 GAL/S.F./DAY = 755 S.F. LEACHING AREA REQUIRED
- 755 S.F. / 24.8 S.F. PER L.F. OF GST 6218 = 31 LF REQUIRED
- 32 LF PROVIDED
- 32 x 24.8 S.F. PER L.F. = 794 S.F. LEACHING AREA PROVIDED
- MATERIAL QUANTITIES:**
- 3/4" STONE VOLUME = 0.35 X 32 = 11.2 CUBIC YARDS
- ASTM C-33 CONCRETE SAND VOLUME = 0.48 X 32 = 14.7 CUBIC YARDS



DRIVEWAY MATCH DETAIL
NOT TO SCALE



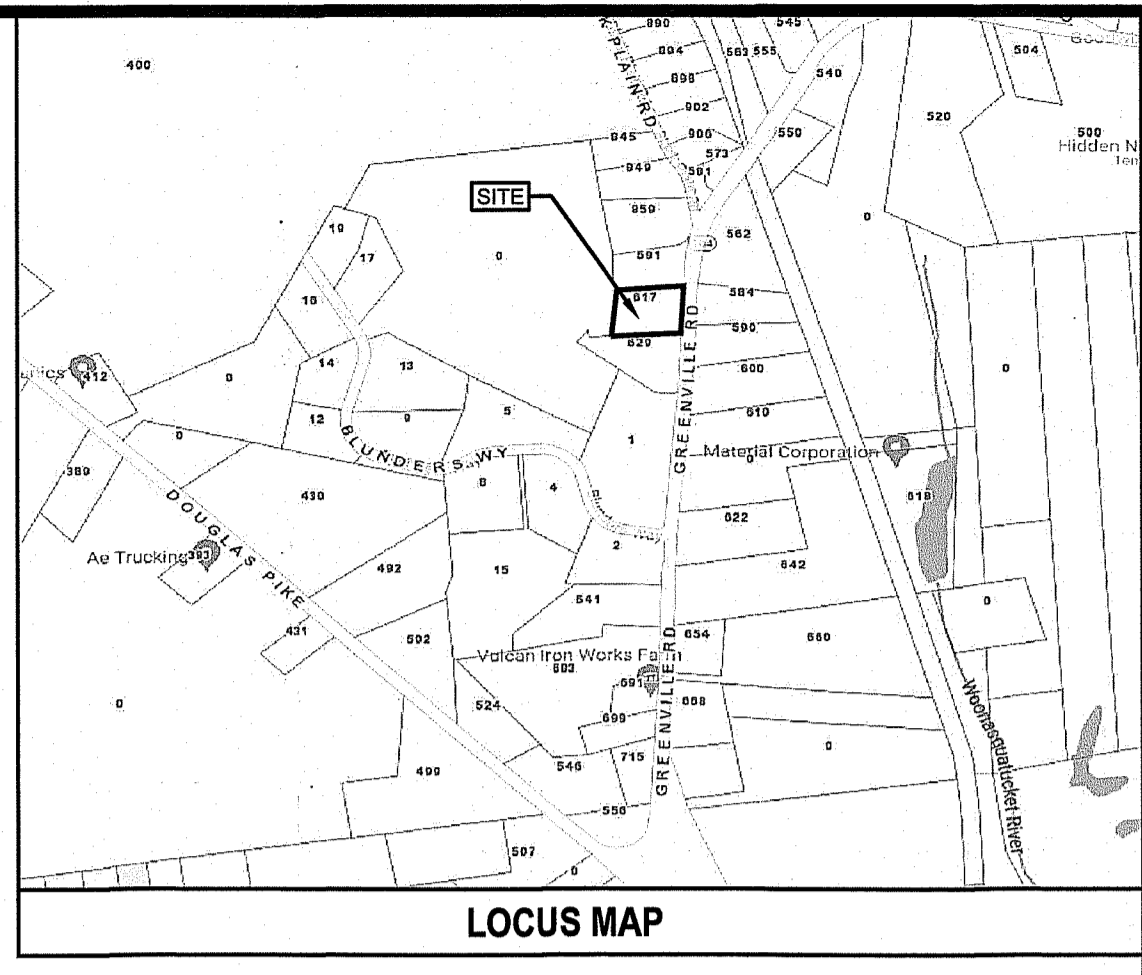
ZABEL A1800 EFFLUENT FILTER
NOT TO SCALE



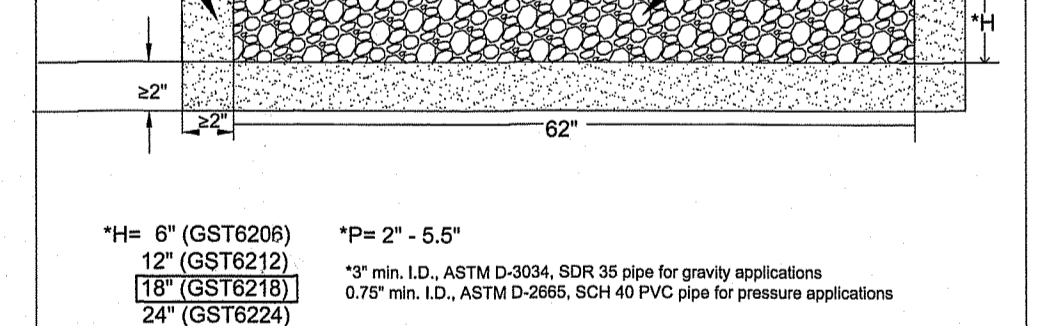
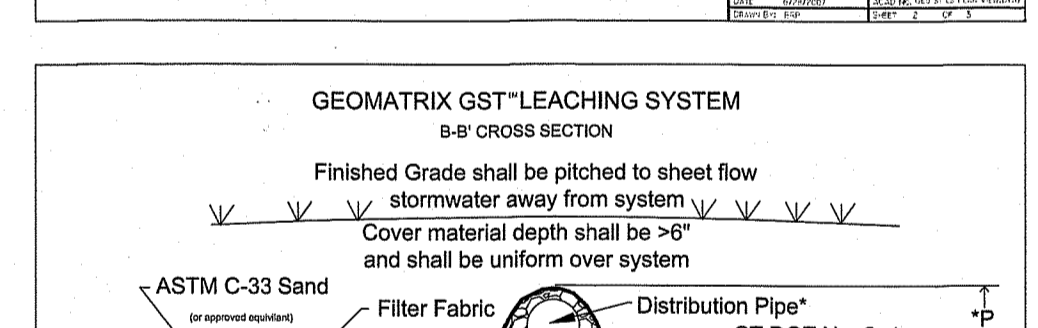
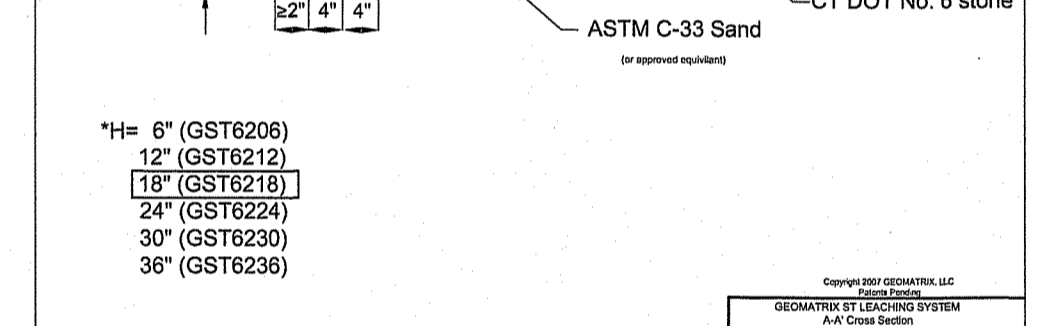
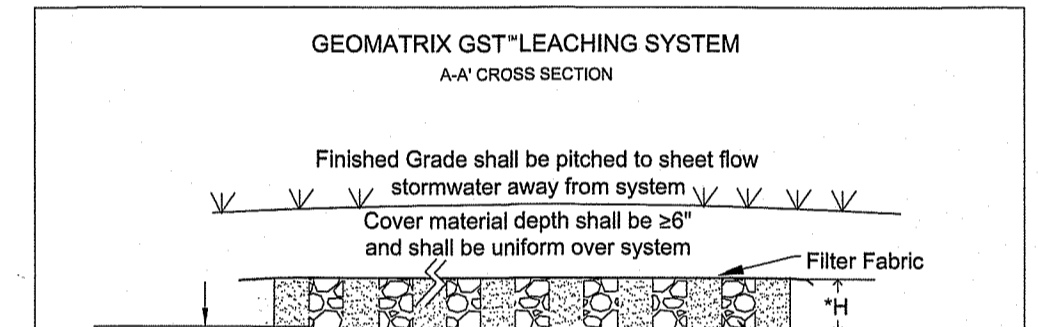
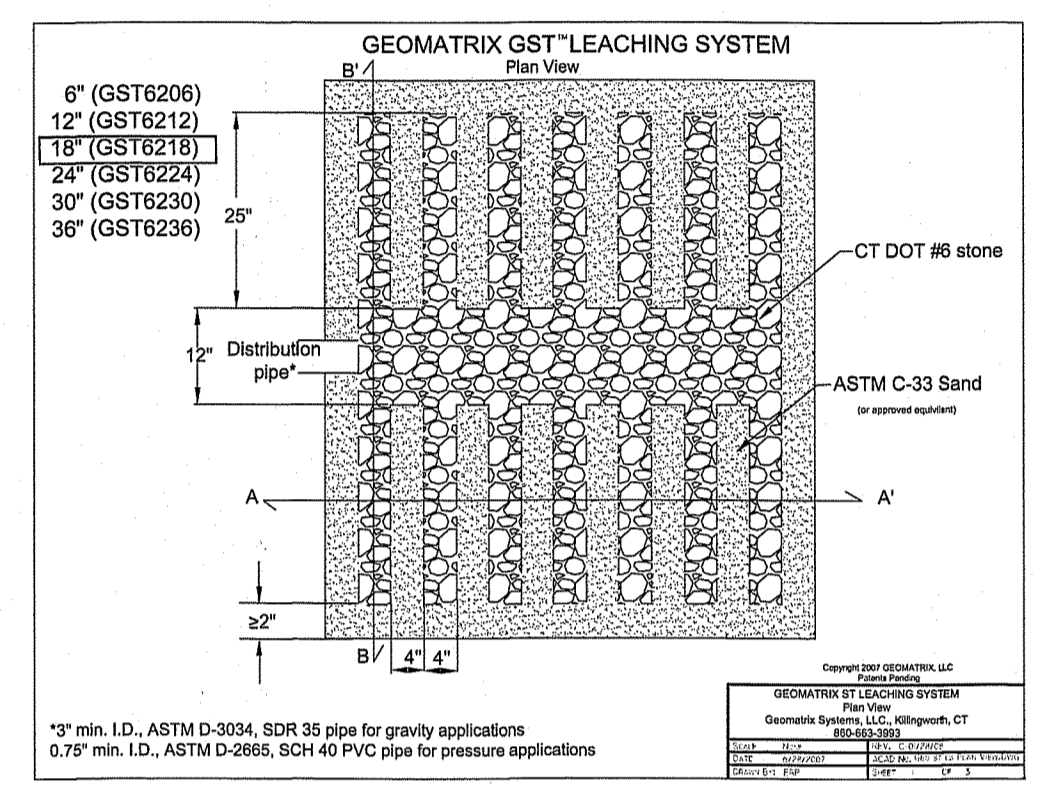
1,500 Gallon Septic Tank

CP CONCRETE PRODUCTS
 Terry Lane
 Greentown, RI 02814
 (401) 568-9974

PRODUCT CODE: CPST-1500 ORENCO



LOCUS MAP



- General Notes:**
- PROPERTY LINE, EXISTING CONDITIONS, AND TOPOGRAPHY SHOWN ON THIS PLAN WAS PREPARED BY MARSH & LONG SURVEYING, INC. OF SMITHFIELD, RI.
 - WETLANDS WERE FIELD DELINEATED BY MCUE ENVIRONMENTAL, INC. ON APRIL 13, 2022.
 - 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 LOADED (4" MIN.) & SEEDED AND/OR LANDSCAPED WITH PLANTED MULCH BEDS.

OnSite 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, EFFECTIVE NOVEMBER 25, 2018 AND ALL AMENDMENTS, BY THE RHODE ISLAND DEPT. OF ENVIRONMENTAL MANAGEMENT.
- STRIP LEACHING AREA + 5'-0" AROUND AND EXCAVATE DOWN TO ELEVATION 111.0 (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 SWEARED.
- ALL TREES, STUMPS, AND BRUSH SHALL BE REMOVED WITHIN 10 FEET OF THE SYSTEM.
- MAINTAIN INVERT ELEVATION OF 114.7 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 50 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.

RIDOT General Notes:

- ALL WORK TO BE DONE WITHIN THE STATE HIGHWAY RIGHT OF WAY (ROW) SHALL CONFORM TO THE RHODE ISLAND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2004 EDITION (AMENDED MARCH 2018) WITH ALL REVISIONS AND ADDENDA. STANDARD DETAILS FOR THIS WORK ARE R.I. STANDARD DETAILS 1999 EDITION (AMENDED JUNE 2019) WITH ALL REVISIONS.
- ALL TRAFFIC CONTROL SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), 2009 EDITION, INCLUDING ALL REVISIONS.
- THE OWNER SHALL FILE AND OBTAIN A UTILITY PERMIT WITH RIDOT FOR ANY UTILITY CONNECTIONS WITHIN THE STATE'S RIGHT-OF-WAY PRIOR TO INSTALLATION.

Advanced Civil Design, Inc.
 CIVIL ENGINEERS
 88 PEEPTOAD ROAD
 SCITUATE, RI 02857
 PH: (401) 473-4404

NO.	DATE	REVISION
1	8/17/22	ADDRESS RIDEM COMMENTS (ADD LEDGE TPs)

Proposed Single-Family Dwelling

A.P. 15 LOT 114
 617 Greenville Road
 North Smithfield, RI

OWNER/APPLICANT:
 Michael P. Babbitt
 3 Fernworth Drive
 Lincoln, RI 02865

DATE: 4/2022
 SCALE: 1"=30'

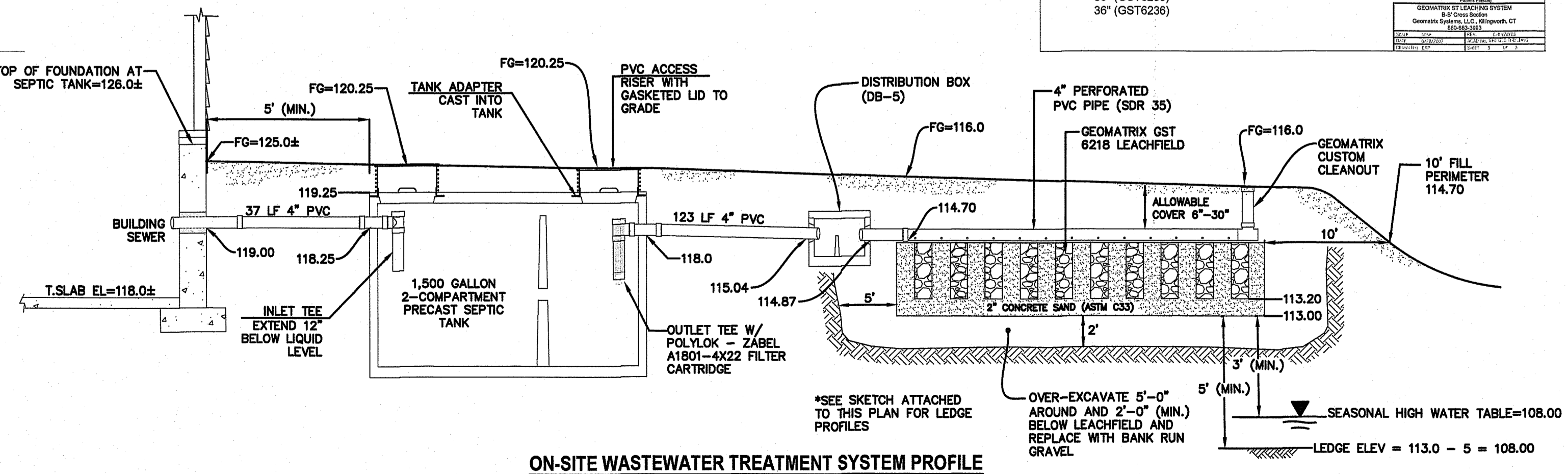
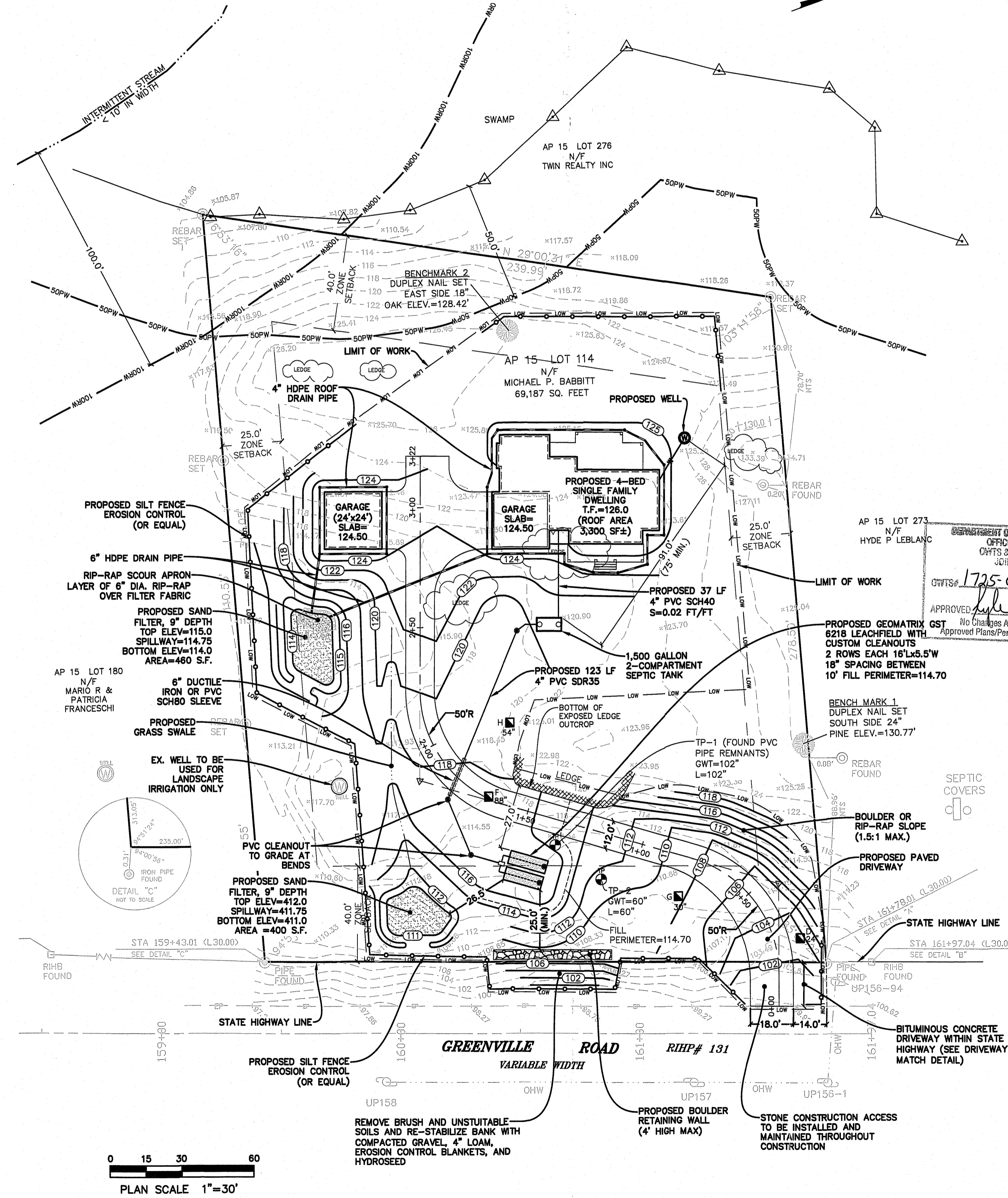
Proposed Site Permitting Plan

DESIGNED BY: C.S.R.
 CHECKED BY: C.S.R.

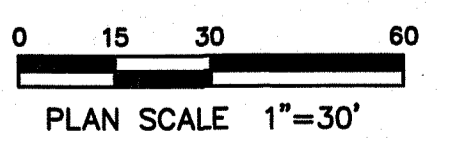
DRAWING NO. 8756

REGISTERED PROFESSIONAL ENGINEER (CIVIL)

SHEET 1 OF 1



ON-SITE WASTEWATER TREATMENT SYSTEM PROFILE
NOT TO SCALE



REMOVE BRUSH AND UNSUITABLE SOILS AND RE-STABILIZE BANK WITH COMPACTED GRAVEL, 4" LOAM, EROSION CONTROL BLANKETS, AND HYDROSEED

STONE CONSTRUCTION ACCESS TO BE INSTALLED AND MAINTAINED THROUGHOUT CONSTRUCTION

*SEE SKETCH ATTACHED TO THIS PLAN FOR LEDGE PROFILES

OVER-EXCAVATE 5'-0" AROUND AND 2'-0" (MIN.) BELOW LEACHFIELD AND REPLACE WITH BANK RUN GRAVEL