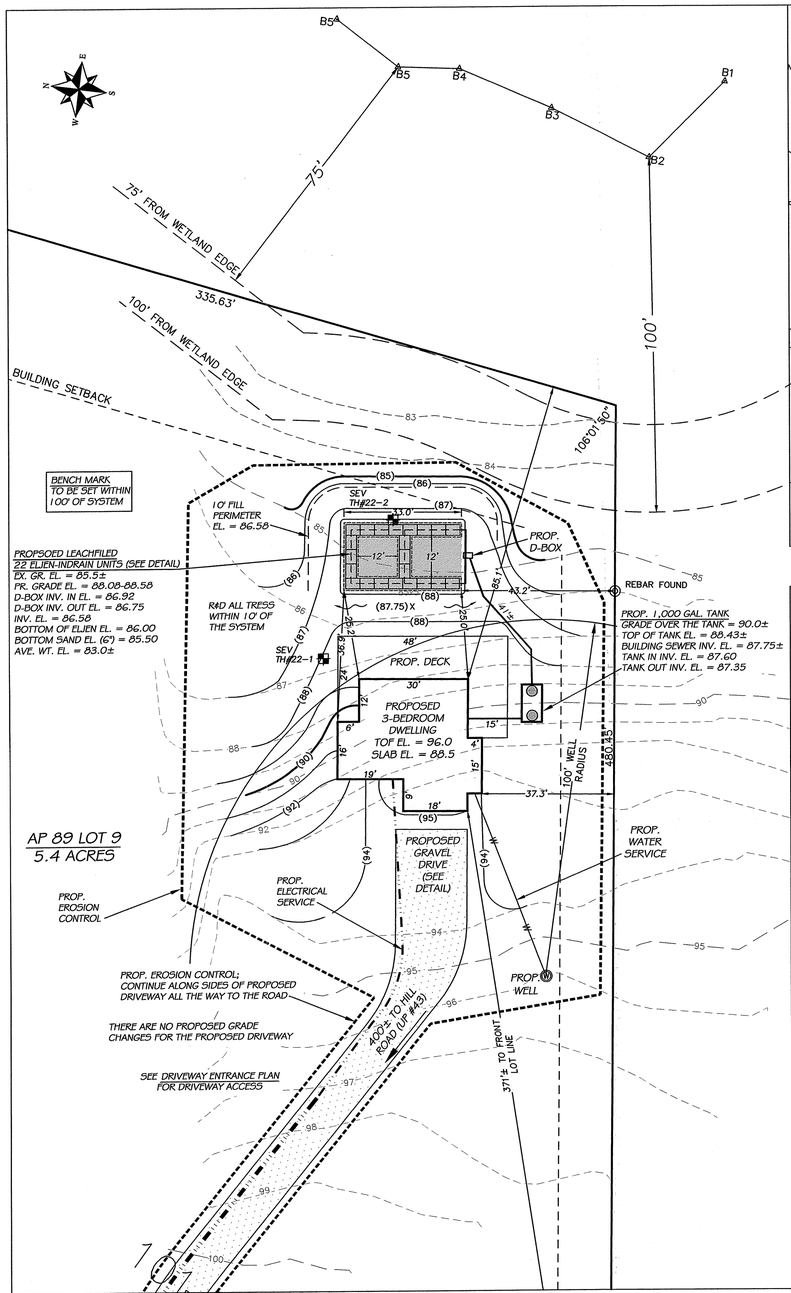
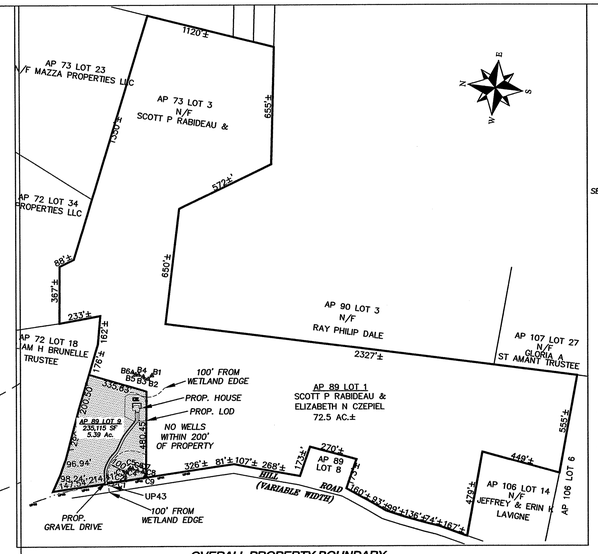
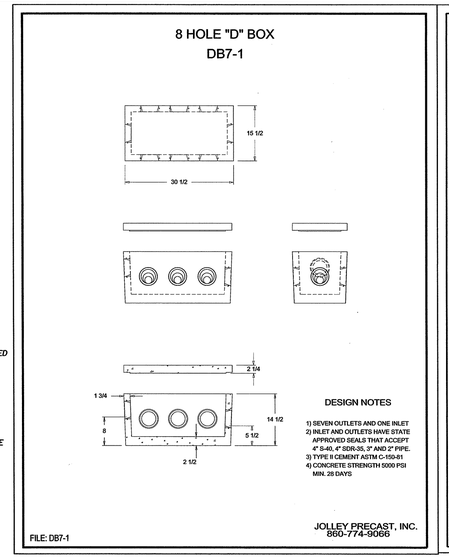


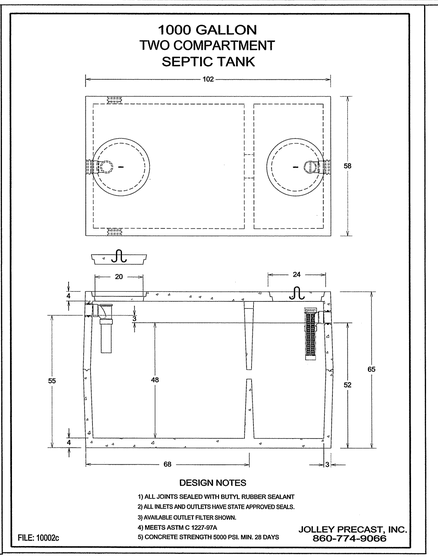


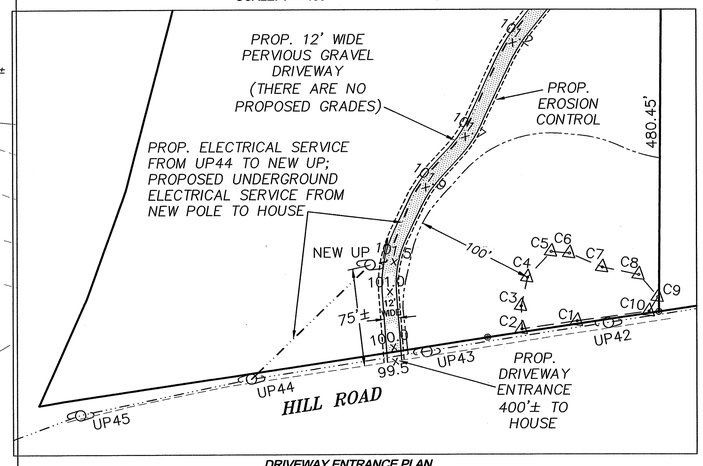
OVERALL PROPERTY BOUNDARY
SCALE: 1" = 400'

LEGEND

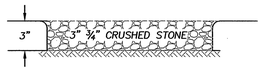
- STONE WALL
- RETAINING WALL
- PROPERTY LINE
- FOUND DRILL HOLE
- FOUND IRON ROD
- FOUND IRON PIPE
- UTILITY POLE
- EXISTING WELL
- W — WATER LINE
- G — GAS LINE
- O/H — OVERHEAD WIRE
- SEV TH# — SOIL EVALUATION TEST HOLE
- SF — SQUARE FEET
- AC — ACRES
- TOF — TOP OF FOUNDATION
- AP — TAX ASSESSOR'S PLAT
- N/F — NOW OR FORMERLY
- 88 — EXISTING CONTOUR
- (88) — PROPOSED CONTOUR
- 88x0 — SPOT GRADE
- x(88.5) — PROPOSED SPOT GRADE
- EXISTING TREE
- EXISTING TREES TO BE REMOVED
- GRADE TO DRAIN
- PROPOSED EROSION CONTROL (FILTER SOCK, STRAW WATTLE AND/OR SILT FENCE)
- PROPOSED ELECTRICAL SERVICE



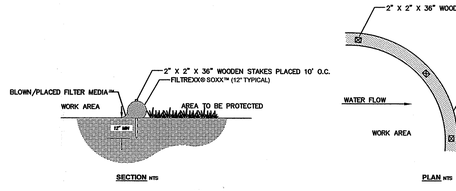




DRIVEWAY ENTRANCE PLAN
SCALE: 1" = 60'



PERVIOUS DRIVEWAY DETAIL
NOT TO SCALE



NOTES:
1. ALL MATERIAL TO MEET FILTREXX® SPECIFICATIONS.
2. FILTER MEDIA **FILL TO MEET APPLICATION REQUIREMENTS.
3. COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER.

FILTREXX® SEDIMENT CONTROL
NTS

GENERAL OWTS CONSTRUCTION NOTES

1. ALL OTHER DESIGN, CONSTRUCTION AND MAINTENANCE REQUIREMENTS WHETHER NOTED HEREON, OR NOT, SHALL BE IN CONFORMANCE WITH THE RIDEM, OFFICE OF WATER RESOURCES, RULES ESTABLISHING MINIMUM STANDARDS RELATING TO LOCATION, DESIGN, CONSTRUCTION AND MAINTENANCE OF ONSITE WASTEWATER TREATMENT SYSTEMS, AS AMENDED.
2. THE CONTRACTOR SHALL MAINTAIN A COPY OF THE APPROVED PLAN ON-SITE AT ALL TIMES.
3. THE CONTRACTOR MUST FOLLOW ALL ITEMS CIRCLED IN THE LOWER RIGHT HAND AREA OF THE OWTS APPLICATION LABELED---IMPORTANT AND NOTIFY ENGINEER DURING THE DIFFERENT STAGES OF CONSTRUCTION TO ALLOW THE ENGINEER TO OBSERVE COMPLIANCE WITH THE APPROVED PLANS, AS REQUIRED BY RIDEM.
4. THE CONTRACTOR SHALL COMPLY WITH ALL ADDITIONAL TERMS OF APPROVAL AS MAY BE REQUIRED BY RIDEM.
5. THE CONTRACTOR MUST NOTIFY LICENSED DESIGNER 48 HOURS PRIOR TO START OF CONSTRUCTION WITH VALID INSTALLER'S LICENSE NUMBER. DESIGNER MUST NOTIFY RIDEM 24 HOURS PRIOR TO START OF CONSTRUCTION IN ACCORDANCE WITH RIDEM RULE 6.47.
6. THE LICENSED DESIGNER SHALL WITNESS AND INSPECT ALL ASPECTS OF THE INSTALLATION, KEEP RECORDS, PREPARE THE CERTIFICATE OF COMPLETION AND PROVIDE O & M INFORMATION AND RECOMMENDATIONS TO THE OWNER, IN ACCORDANCE WITH RIDEM RULE 6.47.
7. PROPERTY LINE AND TOPOGRAPHY SHOWN ON THIS PLAN IS WAS PREPARED BY MARSH AND LONG SURVEYING, INC. (SEE PLAN REFERENCE NOTE). THE CONTRACTOR SHALL VERIFY PROPERTY LINE LOCATION, BENCHMARK ELEVATIONS AND ALL FIELD CONDITIONS PRIOR TO ANY CONSTRUCTION.
8. THE CONTRACTOR SHALL VERIFY ALL EXISTING SEWER INVERTS PRIOR TO CONSTRUCTION (BUILDING, SEPTIC TANK, GREASE TANK, D-BOX & FIELD).
9. IF FIELD CONDITIONS VARY FROM PLANS OR IF CONTRACTOR ENCOUNTERS UNANTICIPATED CONDITIONS DURING CONSTRUCTION WHICH INDICATE THAT THE SYSTEM CANNOT BE INSTALLED IN ACCORDANCE WITH THE APPROVED DESIGN, INSTALLER SHALL STOP CONSTRUCTION AND NOTIFY THE LICENSED DESIGNER RESPONSIBLE FOR WITNESSING AND INSPECTING THE INSTALLATION IN ACCORDANCE WITH RIDEM RULE 6.47.
10. THERE ARE NO EXISTING OR PROPOSED PRIVATE DRINKING WATER WELLS WITHIN 200' OF THE PROPOSED OWTS EXCEPT AS SHOWN.
11. THERE ARE NO EXISTING OR PROPOSED PUBLIC WATER SUPPLY WELLS WITHIN 500' OF THE PROPOSED OWTS AREA EXCEPT AS SHOWN.
12. ALL KNOWN OWTS'S WITHIN 100' OF EXISTING OR PROPOSED WELLS ARE SHOWN.
13. ALL KNOWN OWTS'S AND WATER SUPPLIES WITHIN 100' OF ADJACENT PROPERTY LINES ARE SHOWN.
14. THERE ARE NO KNOWN EXISTING OR PROPOSED SUBSURFACE DRAINS WITHIN 50 FEET OF THE PROPOSED OWTS.
15. THE CONTRACTOR SHALL CALL "DIG-SAFE" AND VERIFY THE LOCATION OF ALL THE UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
16. THE CONTRACTOR SHALL INSTALL EROSION CONTROL MEASURES PRIOR TO START OF LAND DISTURBING ACTIVITIES.
17. CLEAR ALL TREES, BRUSH AND STUMPS WITHIN 10' OF SYSTEM.
18. STRIP A 5' FOOT PERIMETER AROUND SYSTEM IF INVERT IS ABOVE EXISTING GRADE OR IF HTM IS FOUND. EXCAVATE DOWN TO ELEVATION AS SHOWN ON PLAN, REMOVING ALL TREES, BRUSH, TOPSOIL, UNDESIRABLE MATERIAL AND SOIL CONTAINING FINES. REPLACE WITH SEPTIC GRAVEL AS REQUIRED AND SPECIFIED IN RIDEM REGULATIONS.
19. INSTALLER MUST ASSURE THAT BOTTOM AND SIDES OF EXCAVATION FOR THE LEACHFIELD ARE NOT COMPACTED OR SMEARED.
20. NO VEHICULAR TRAFFIC IS ALLOWED OVER THE LEACHFIELD.
21. ALL PVC PIPE SHALL BE 4" DIA, SDR 35 OR EQUIVALENT, UNLESS OTHERWISE NOTED.
22. DISTRIBUTION LINES MUST BE INTERCONNECTED AT ALL ENDS AND AT INTERVALS NOT EXCEEDING 25'.
23. MAINTAIN INVERT ELEVATION (FILL PERIMETER) FOR 10 FEET AROUND SYSTEM AS SHOWN.
24. EXISTING SEPTIC TANK(S) TO REMAIN IN SERVICE SHALL BE PUMPED AND INSPECTED. EXISTING TANK(S) SHALL BE REPLACED IF CONDITION IS FOUND TO BE INADEQUATE. PROPOSED SEPTIC TANKS SHALL CONFORM TO ALL STANDARDS SET FORTH IN THE RIDEM OWTS REGULATIONS AS STATED IN NOTE NO. 1.
25. ALL MANHOLES SHALL BE SET TO GRADE; GRADE TO DIVERT SURFACE RUNOFF.
26. THE DESIGNER IS NOT RESPONSIBLE FOR ANY NEGLIGENT ACT OF OMISSION OF A USER OF AN OWTS, INCLUDING BUT NOT LIMITED TO, FAILURE TO PROPERLY USE AND MAINTAIN THE SYSTEM, WHICH CAUSES DAMAGE TO THE OWTS.
27. THIS SYSTEM IS NOT DESIGNED TO HANDLE A GARBAGE DISPOSAL, OTHER HIGH WATER USE UNITS AND/OR ANY DISCHARGE FROM ANY WATER TREATMENT SYSTEMS OR WATER SOFTENERS.
28. THE CONTRACTOR SHALL PROVIDE DESIGNER WITH MATERIAL RECEIPTS FOR ALL CONSTRUCTION MATERIALS PRIOR TO DESIGNER ISSUING CERTIFICATE OF CONSTRUCTION.
29. ALL CURBING, PAVEMENT, LANDSCAPING AND OTHER EXISTING SITE CONDITIONS DISTURBED DURING THE CONSTRUCTION WORK SHALL BE RESTORED PER THE OWNER'S SPECIFICATION BY CONTRACTOR.
30. CONTRACTOR TO COORDINATE CONSTRUCTION SCHEDULE WITH THE OWNER.
31. GROUNDWATER TABLE FLUCTUATES ANNUALLY. NO GUARANTEE OF A DRY BASEMENT IS EXPRESSED OR IMPLIED.
32. GROUNDWATER TABLE BASED ON SOIL EVALUATION TEST HOLES (RIDEM OWTS APPLICATION NO. 2203-1243).

ZONING: F-5

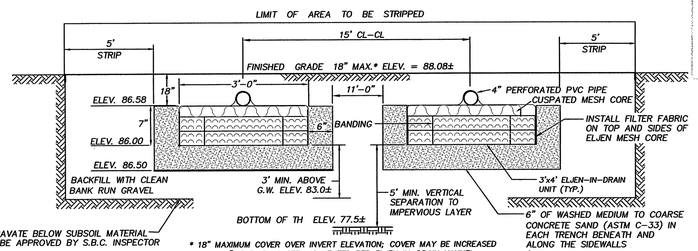
MIN. AREA= 217800 S.F.
LOT WIDTH= 450 FT.
MIN. FRONT YARD= 40 FT.
MIN. SIDE YARD= 15 FT.
MIN. REAR YARD= 40 FT.
(SEE REGULATIONS FOR ADDITIONAL INFO..)

PLAN REFERENCE

PROPERTY LINE AND TOPOGRAPHY DATA OBTAINED FROM THE ADMINISTRATIVE SUBDIVISION PLAN PREPARED BY MARSH & LONG SURVEYING INC. ON 2/1/23.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
OWTS & FRESHWATER WETLANDS
JOINT PERMIT APPROVAL
OWTS# 2203-1243 FWW# 23-0260
APPROVED: DATE 4/1/24
No Changes Allowed Without RIDEM Approval
Approved Plans/Permit Must Be Kept at Construction Site

RECEIVED
MAR 29 2024
Office of Water Resources



* 18" MAXIMUM COVER OVER INVERT ELEVATION; COVER MAY BE INCREASED UP TO 24" IF ELJEN SYSTEM IS VENTED PER ELJEN IN-DRAIN MANUEL.

TYPICAL ELJEN IN-DRAIN TRENCH SECTION
NOT TO SCALE

SOIL EVALUATION*

SEV TH22-02 ESHWT = 30" TOTAL TH DEPTH = 96"

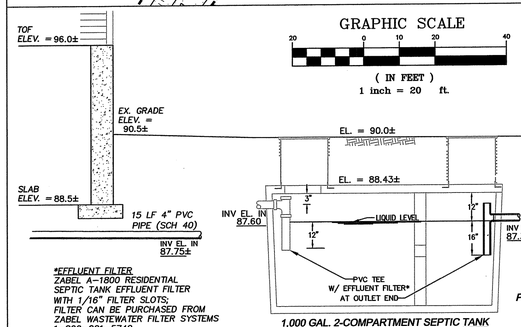
HORIZON	DEPTH	TEXTURE	SOIL CATEGORY
AB	0-2"	FSL	4
Bw1	2-12"	FSL	4
Bw2	12-30"	FSL	4
C	30-96"	SL	6

* SOIL EVALUATION PERFORMED ON 9/28/22 BY RIDEM SOIL EVALUATOR D-4028.

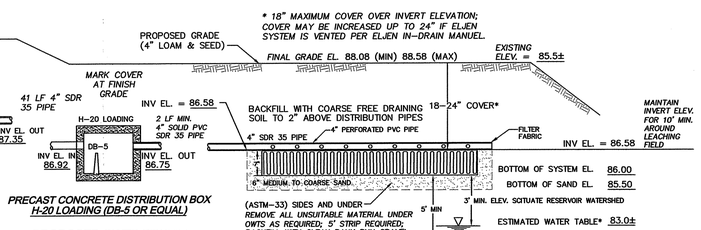
DESIGN DATA/CALCULATIONS

SOIL CATEGORY 6	LOADING RATE 0.61 GAL/SF/DAY
DESIGN WATER TABLE* 30" (BASED ON SOIL EVALUATION TH)	
DAILY SEWAGE FLOW RATE: 3 BDRM UNITS x 115 GAL/BDRM UNIT = 345 GPD	
REQUIRED (MIN.) LEACHING AREA: 345 GPD / 0.61 GAL/SF/DAY = 565.6	
SYSTEM SIZING: 565.6 SF REQ'D ÷ 28SF/UNIT = 20.2 UNITS REQ'D; 22 UNITS REQ'D x 28 SF/UNIT = 616.0 SF PROVIDED	
LENGTH OF SYSTEM	33 FT
WIDTH OF SYSTEM	19 FT
NUMBER ELJEN UNITS	22
SAND SIDES/UNDER	0.5 FT

* DOES NOT INCLUDE SAND REQUIRED UNDER THE SYSTEM.



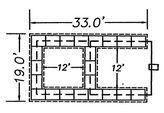
1,000 GAL. 2-COMPARTMENT SEPTIC TANK
NOT TO SCALE



PRECAST CONCRETE DISTRIBUTION BOX H-20 LOADING (DB-5 OR EQUAL)
NOT TO SCALE

PROPOSED OWTS PROFILE
NOT TO SCALE

ELJEN LEACHFIELD



ELJEN LEACHFIELD LAYOUT

SUSAN B. CAPASSO
No. 7443
REGISTERED PROFESSIONAL ENGINEER (CIVIL)

RIDEM FRESHWATER WETLAND APPLICATION NO. 22-0260
RIDEM OWTS APPLICATION NO. 2203-1243

PROPOSED OWTS PLAN

Project:
SCOTT P. RABIDEAU
A.P. 89 LOT 9
HILL ROAD
BURRILLVILLE, RHODE ISLAND

Prepared By:
SUSAN B. CAPASSO, P.E.
P.O. BOX 3266
NARRAGANSETT, RHODE ISLAND 02882
401-261-8870

DECEMBER 12, 2023

REVISIONS	
DEM COMMENTS 2/26/24	
DEM COMMENTS 3/24/24	

PROJECT NO.: 22-62 | SHEET 1/1