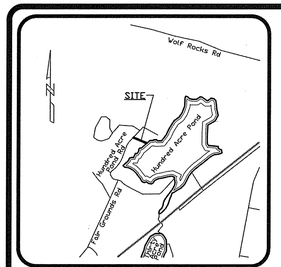
PROPOSED ONSITE WASTEWATER TREATMENT SYSTEM

DESIGNED FOR A 4 BEDROOM DWELLING
A.P. 9 LOT 20
SITUATED IN THE TOWN OF SOUTH KINGSTOWN, R.I.

APPLICANT:
ROB SHERWIN
22 BEDFORD ROAD
PAWTUCKET, RI 02860

NO.	REVISION	DATE
1.	DEM COMMENTS	3/15/22
2.	OWTS COMMENTS	4/5/22



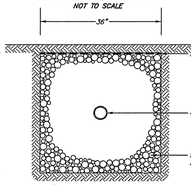
LOCATION MAP
(Not To Scale)

IMPERVIOUS SURFACE CALCULATIONS

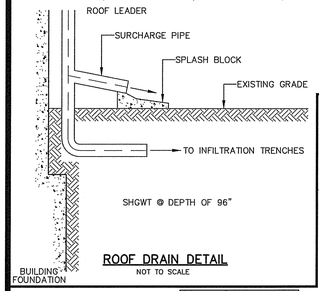
DRIVEWAY
EXISTING DRIVWAY = 4,044 SF
PROPOSED HOUSE = 3,878 SF
NET INCREASE IN DRIVEWAY AREA = -166 SF : NO STORMWATER MANAGEMENT NEEDED

HOUSE:
EXISTING HOUSE = 892 SF
PROPOSED HOUSE = 2,898 SF
NET INCREASE IN IMPERVIOUS AREA = 2,006 SF

LEACHING TRENCH DETAIL
NOT TO SCALE

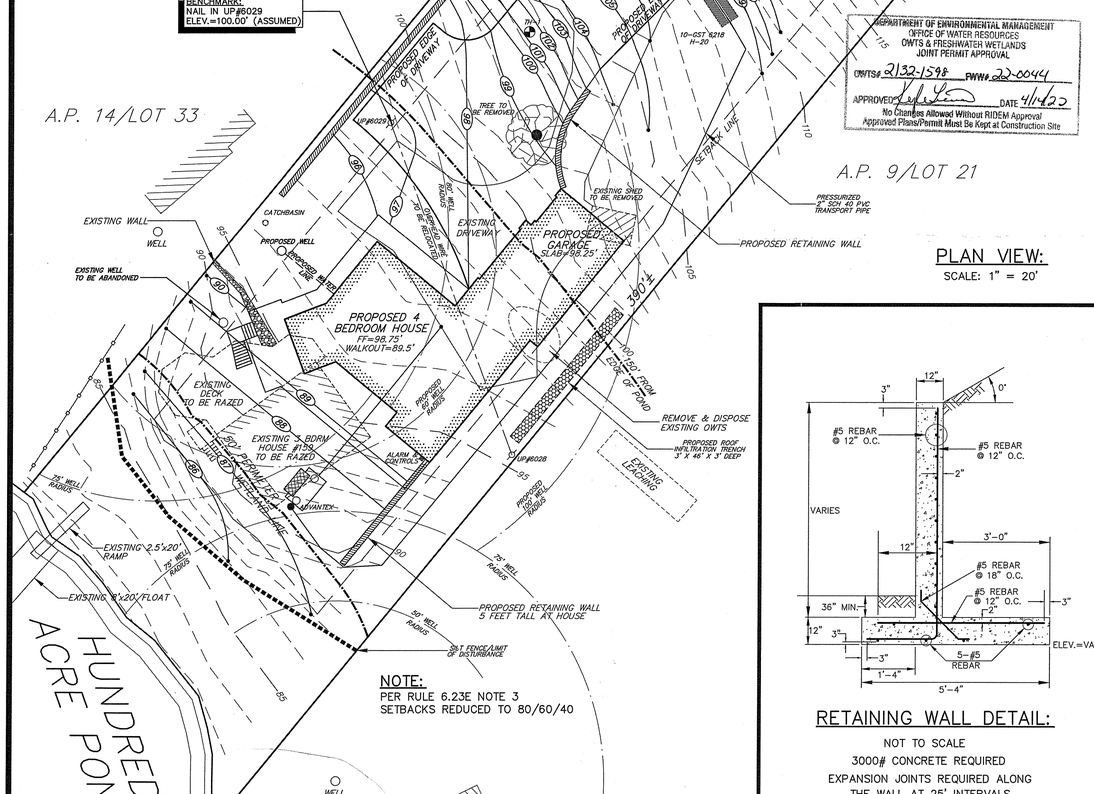


INFILTRATION DESIGN
(ROOF RUNOFF CONSIDERED CLEAN)
NET INCREASE OF PROP. IMP. SURFACES = 2,006 S.F.
INFILTRATION REQUIRED: 2,006 S.F. X 1/12 = 167 CF
167 C.F./3.6 C.F./L.F. = 46 L.F. TRENCH REQUIRED
USE MINIMUM 36" WIDE X 36" DEEP X 46' LONG TRENCH ALONG NORTH SIDE OF HOUSE W/DOWNSPOUTS CONNECTED AT BOTH ENDS W/ EMERGENCY OVERFLOWS WHERE THE DOWNSPOUTS ENTER THE GROUND



ROOF DRAIN DETAIL
NOT TO SCALE

BENCHMARK:
NAIL IN UP#6029
ELEV.=100.00' (ASSUMED)



PLAN VIEW:
SCALE: 1" = 20'

GRAPHIC SCALE
0 10' 20' 40' 60'

NOTE:
PER RULE 6.23E NOTE 3
SETBACKS REDUCED TO 80/60/40

RETAINING WALL DETAIL:
NOT TO SCALE
3000# CONCRETE REQUIRED
EXPANSION JOINTS REQUIRED ALONG THE WALL AT 25' INTERVALS

LEGEND:

- 40 — PROP. CONTOUR
- 40.5 — PROP. FIN. GRADE
- —40— EXIST. CONTOUR
- 40x8 — EXIST. SPOT GRADE
- VERIFIED TEST HOLE
- PERCOLATION TEST
- PROPERTY LINE
- —W— WATER SERVICE
- STORM DRAIN

PERCOLATION TEST DATA

PERC. NO.	DATE	DEPTH	ELEV.	RATE
N/A				
DESIGN APPLICATION RATE: 2.3 GAL/SF/DAY				
DESIGN SOIL CATEGORY: 1				

ZONING CLASSIFICATION = R80 (SUBSTANDARD LOT OF RECORD)
SETBACKS: FRONT– 40' SIDE– 15' REAR– 40'

SOIL TEST DATA

DEEP TEST PIT NO. 1	DEEP TEST PIT NO. 2
SURFACE ELEVATION = 103.3'	SURFACE ELEVATION = 114.4'
DEPTH/SOIL SOIL DESCRIPTION	DEPTH/SOIL SOIL DESCRIPTION
SEE ATTACHED SOIL EVALUATION	SEE ATTACHED SOIL EVALUATION
GROUND WATER @ DEPTH OF 96"	GROUND WATER @ DEPTH OF 120"
ELEVATION = 95.3' VERIFIED WT=2132–1598	ELEVATION = 104.4'VERIFIED WT=2132–1598

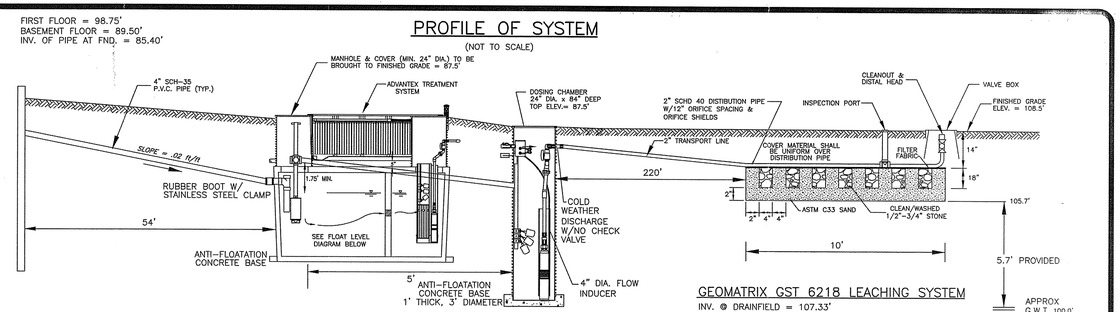
PLAN VIEW OF SYSTEM

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
OWTS & FRESHWATER WETLANDS
JOINT PERMIT APPROVAL

OWTS# 2132-1598 PWW# 22-0044
APPROVED: DATE 4/14/22
No Changes Allowed Without RIDEM Approval
Approved Plans/Permit Must Be Kept at Construction Site

GENERAL NOTES
CIRCLED NOTES APPLY

1. ALL OTHER DESIGN, CONSTRUCTION AND MAINTENANCE REQUIREMENTS WHETHER NOTED HEREON, OR NOT, SHALL BE IN CONFORMANCE WITH RULES & REGULATIONS ESTABLISHING MINIMUM STANDARDS RELATING TO LOCATION, DESIGN, CONSTRUCTION AND MAINTENANCE OF ONSITE WASTEWATER TREATMENT SYSTEMS, DECEMBER 2021 BY R.I. DEPARTMENT OF ENVIRONMENTAL MANAGEMENT, AUTHORITY: CHAPTER 42–35 PURSUANT TO CHAPTERS 42–17.1, 23–19.5 & 5–56.1 OF THE RHODE ISLAND GENERAL LAWS
2. MAINTAIN INVERT ELEVATION 107.3' FOR 5' AROUND SYSTEM.
3. THE DISTRIBUTION BOX SHALL HAVE A BOTTOM AREA OF 3 S.F. AND BE H–20 LOAD.
4. ALL TREES, BRUSH AND STUMPS WITHIN 10 FEET OF LEACH FIELD TO BE REMOVED.
5. THERE SHALL BE NO SUBSURFACE FOUNDATION OR STORM DRAINS WITHIN 25 FEET OF THE OWTS.
6. COMPLY WITH ANY ADDITIONAL TERMS OF APPROVAL AS MAY BE REQUIRED BY R.I.D.E.M.
7. SCHEDULE 40 P.V.C. PIPE OR EQUAL FOR ALL OWTS PIPING.
8. THE LEACH FIELD AND EXTENDING 10 FEET INTO THE LEACH FIELD PERIMETER FROM THE TRENCH SIDE WALLS MUST BE STRIPPED OF TREES, BRUSH, TOPSOIL, SUBSOIL, UNDESIRABLE MATERIAL AND SOIL CONTAINING FINES AND THE EXCAVATION SCARIFIED AND BACKFILLED WITH CLEAN, COARSE GRAVEL. (RULE 6.33 J AND M)
9. BENCHMARK TO BE SET WITHIN 100' OF PROPOSED OWTS LOCATION PRIOR TO CONSTRUCTION.
10. THERE ARE NO EXISTING OR PROPOSED WELLS WITHIN 200' OF THE PROPOSED OWTS NOR ARE THERE ANY OTHER OWTS WITHIN 100' OF THE PROPOSED WELL, EXCEPT AS NOTED.
11. ALL PIPING TO CONSIST OF POLYVINYL CHLORIDE PIPE (P.V.C.) SCHEDULE 40, UNLESS OTHERWISE NOTED.
12. HEAVY MACHINERY SHALL NOT BE PERMITTED TO PASS OVER THE LEACH FIELD.
13. FOR PROPER PERFORMANCE, THE SEPTIC TANK SHOULD BE INSPECTED AT LEAST ONCE A YEAR AND WHEN TOTAL DEPTH OF SCUM AND SOLIDS EXCEED 1/3 THE LIQUID DEPTH OF THE TANK, THE TANK SHOULD BE PUMPED.
14. THE DESIGNER WILL NOT BE RESPONSIBLE FOR THE PERFORMANCE OF THIS SYSTEM UNLESS CONSTRUCTED AS SHOWN. ANY OTHER ALTERATIONS MUST BE APPROVED BY THE DESIGNER.
15. PROPERTY LINES: UNLESS OTHERWISE INDICATED THE PROPERTY LINES SHOWN HEREON ARE APPROXIMATE ONLY. THEY HAVE BEEN DEVELOPED FROM TAX MAPS, PLATS, DEEDS AND OTHER SOURCES OF INFORMATION. THESE REPRESENTATIONS ARE NOT TO BE CONSTRUED AS AN ACCURATE BOUNDARY SURVEY AND ARE SUBJECT TO CHANGES THAT AN ACCURATE SURVEY MAY DISCLOSE.
16. THERE ARE NO EXISTING OR PROPOSED PUBLIC WELLS WITHIN 500' OF THE PROPOSED OWTS EXCEPT AS SHOWN.
17. THERE ARE NO COASTAL PONDS OR TRIBUTARIES THERETO INCLUDING STORM AND SUBSURFACE DRAINS DIRECTLY DISCHARGING THERETO WITHIN 200' OF PROPOSED OWTS, EXCEPT AS SHOWN.
18. SUBJECT PARCEL IS SITUATED IN THE SALT POND CRITICAL RESOURCE AREA.
19. REFLUMB EXISTING STRUCTURE AS NECESSARY TO MATCH THE INVERTS OF THE PROPOSED OWTS.
20. ANY FILL ENCOUNTERED IN THE AREA OF THE PROPOSED LEACHING SHALL BE REMOVED AND REPLACED WITH BANK RUN GRAVEL MEETING RULE 6.33M.



PROFILE OF SYSTEM
(NOT TO SCALE)

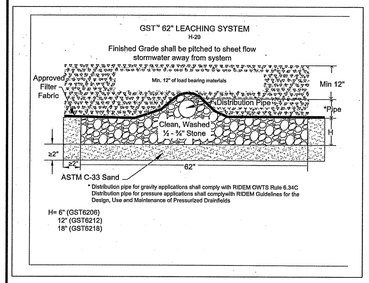
NOTE: ALL TANKS INCLUDING RISERS SHALL BE WATER TIGHT AND SHALL BE TESTED ON SITE AS FOLLOWS: FIRST, SEAL THE TANK INLET AND OUTLET, NEXT, FILL THE TANK WITH TAP WATER TO 2 TO 4 INCHES ABOVE THE JOINT BETWEEN THE RISER AND TANK AND LET STAND FOR 24 HOURS. IF THERE IS A WATER LOSS, REFILL, MARK THE WATER LEVEL AND LET STAND FOR TWO MORE HOURS. THERE SHOULD BE NO ADDITIONAL WATER LOSS.

SEPTIC TANK W/ADVANTEX TREATMENT SYSTEM
CAPACITY = 1,500 GALLONS
INV. @ SEPTIC TANK INLET = 83.50'
INV. ABOVE RSV CAGE = 84.86'
JOLLEY 1500 2C OSI AFC MODEL
OR APPROVED EQUAL

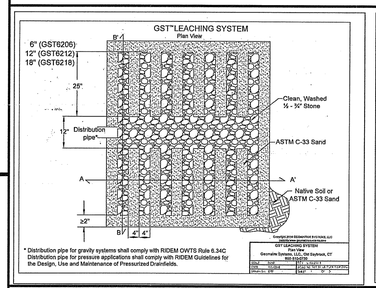
OSI PUMP BASIN
INV. IN /FORCE MAIN OUT= 84.61'
TIMER CONTROLLED
HIGH ALARM= 84.26'
PUMP ON= 83.93'
PUMP OFF= 82.53'
LOW WATER ALARM= 82.33'
BOTTOM OF CHAMBER= 80.50'
USE MODEL PF5005–2 STAGE PACKAGE E, OR APPRVD. EQUAL

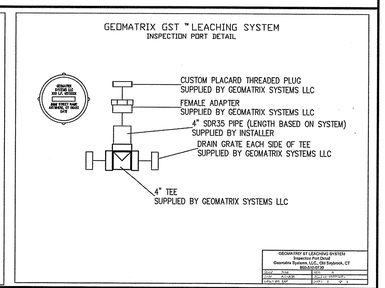
GEOMATRIX GST 6218 LEACHING SYSTEM
INV. @ DRAINFIELD = 107.33'
BOTTOM OF GEOMATRIX = 105.83'
BOTTOM OF SAND ELEVATION = 105.66'
NOTE: FINISHED GRADE OVER LEACHING AREA, SEE PLAN

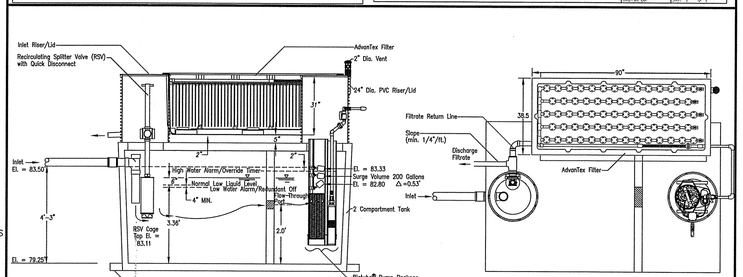
DESIGN DATA
PROP. NUMBER OF BEDROOMS = 4 x 115 GAL/BDRM/DAY = 460 GPD
(460 GAL/DAY ÷ 2.3 GAL./S.F./DAY = 200 S.F. REQUIRED FOR BSF
200 S.F. ÷ 24.8 ELC = 8.1 L.F. REQUIRED → 10 L.F. PROVIDED
USE 12" ORIFICE SPACING + ORIFICE SHIELDS FOR 2" DISTRIBUTION LINE



DOSING CALCULATION–6218
50% STORAGE = 6.92 GAL/LF
6.92 X 10 LF = 69 GAL/DOSE MAX. FOR LEACHING PUMP BASIN MAX. = 83.93'–82.53'
= 1.40 X 23.52 GAL/FT
= 33 GAL/DOSE
460/33 = 13.9 → USE 14 DOSES PER DAY







Advantex Treatment System
AX 20 Series – Mode 3b

DETERMINING RSV AND FLOAT LEVELS:
RSV LEVEL: FOR STINGER PIPE LENGTHS UP TO 24" LONG, THE LOW LIQUID LEVEL WILL BE APPROXIMATELY 5"–6" BELOW THE TOP OF THE RSV CAGE. (THE LOW LIQUID LEVEL IS THE LEVEL AT WHICH 100% OF THE FILTRATE RETURNS TO THE TANK.) FOR MOST RESIDENTIAL APPLICATIONS, THE RECOMMENDED SURGE VOLUME IS APPROXIMATELY 150 TO 250 GALLONS (APPROX. 50% TO 100% OF ACTUAL FLOW). THE SURGE VOLUME IS THE VOLUME BETWEEN THE LOW LIQUID LEVEL AND THE HIGH WATER ALARM FLOAT. FOR MODE 3 INSTALLATIONS, THE DUCKBILL MODEL RSV IS REQUIRED, WHICH HAS A FLEXIBLE PVC TUBE THAT VENTS THE RSV CAGE TO ATMOSPHERE.
FLOAT LEVELS: TYPICALLY THE BOTTOM FLOAT SHOULD BE POSITIONED AS CLOSE TO THE TOP OF THE BIOTUBE CARTRIDGE AS POSSIBLE. THE TOP FLOAT IS NORMALLY SET ONE TO TWO INCHES BELOW THE INVERT OF THE TANK INLET. FOR MOST RESIDENTIAL APPLICATIONS, THE RECOMMENDED SURGE VOLUME IS APPROXIMATELY 150 TO 250 GALLONS. SURGE VOLUME IS THE VOLUME BETWEEN THE LOW LIQUID LEVEL AND THE HIGH WATER ALARM FLOAT. BE SURE TO CHECK THE PLANS FOR ANY SITE–SPECIFIC OR TANK–SPECIFIC FLOAT SETTINGS.

DOSING NOTE:
THE DOSING WILL BE CONTROLLED EXCLUSIVELY BY THE PROGRAMMABLE TIMER AS LONG AS THE WATER LEVEL IS BETWEEN THE TIMER OVERRIDE FLOATS. IF THE SEPTIC TANK RECEIVES A MUCH LARGER THAN NORMAL QUANTITY OF WASTEWATER IN A SHORT TIME, A TIMER–OVERRIDE FLOAT ACTIVATES THE PUMP AND ALSO SOUNDS AN ALARM TO ALERT THE USER OF THE UNUSUAL VOLUME. PUSHING THE ILLUMINATED BUTTON ON THE FRONT OF THE PANEL SILENCES THE ALARM, WHICH RESETS AUTOMATICALLY WHEN THE LIQUID LEVEL IN THE TANK RETURNS TO A NORMAL LEVEL. AN ALARM THAT OCCURS WHEN OCCUPANTS ARE NOT USING MORE WATER THAN USUAL IS AN INDICATION THAT MAINTENANCE MAY BE REQUIRED FOR A FAULTY TOILET FLUSH VALVE, A LEAKING SEPTIC TANK, OR A PROBLEM WITH THE PUMPING OR ELECTRICAL SYSTEM. THE PUMP SYSTEM SHALL DOSE 33 GALLONS PER DOSE PER ZONE TO THE GST (14 TIMES PER DAY/1 ZONE).

LICENSED DESIGNER SYSTEM REQUIREMENTS

NOTICE TO OWNER & INSTALLER – THE EXACT LOCATION OF THE PROPOSED LEACHING SYSTEM SHALL BE FIELD STAKED BY THE LICENSED DESIGNER AS PART OF HIS CONSTRUCTION OBSERVATION CONTRACT WITH THE OWNER. A 72 HOUR NOTICE IS HEREBY REQUIRED PRIOR TO THE START OF ANY CONSTRUCTION. A PRE–CONSTRUCTION MEETING BETWEEN THE LICENSED DESIGNER & LICENSED INSTALLER AT THE SITE IS REQUIRED FOLLOWING THE FIELD STAKING OF THE LEACHING SYSTEM. THE LICENSED INSTALLER SELECTED FOR THIS PROJECT MUST INSTALLED A MINIMUM OF 3 SAND FILTERS/PSND'S.

A. THE LICENSED DESIGNER SHALL BE RESPONSIBLE FOR WITNESSING AND INSPECTING THE INSTALLATION OF ANY OWTS WHICH HE/SHE DESIGNED. IN NO CASE SHALL THE PERSON WITNESSING AND INSPECTING THE INSTALLATION OF THE OWTS BE THE LICENSED INSTALLER WHO INSTALLS THE SYSTEM, EXCEPT FOR THE REPAIR OF AN EXISTING OWTS. ANY PERSON ASSISTING A LICENSED DESIGNER IN WITNESSING AND OBSERVING THE INSTALLATION OF AN OWTS MUST BE AN EMPLOYEE OF THE SAME BUSINESS ENTITY AS THE LICENSED DESIGNER, AND SUCH PERSON MUST WORK UNDER THE LICENSED DESIGNER'S DIRECT SUPERVISION IN RESPECT TO WITNESSING AND INSPECTING THE INSTALLATION OF THE OWTS.

B. PRIOR TO INSTALLATION OF AN OWTS IN AREAS SERVED BY PRIVATE WELLS, THE DESIGNER MUST VERIFY THAT CONDITIONS ON SITE AND ADJACENT TO THE SITE ARE THE SAME AS AT THE TIME OF DESIGN APPROVAL OR HAVE NOT CHANGED IN A MANNER THAT WOULD AFFECT THE ORIGINAL DESIGN. IF CONDITIONS HAVE CHANGED IN A MANNER THAT WOULD AFFECT THE ORIGINAL DESIGN, THE DESIGNER SHALL NOTIFY THE DEPARTMENT PRIOR TO INSTALLATION

C. THE INSTALLER SHALL NOTIFY THE DESIGNER DURING NORMAL BUSINESS HOURS AT LEAST 72 HOURS PRIOR TO THE PLANNED INSTALLATION OF ANY OWTS. THE DEPARTMENT, AT ITS DISCRETION, MAY INSPECT ANY ASPECT OF THE INSTALLATION OF THE SYSTEM.

D. THE DESIGNER MUST AT A MINIMUM, INSPECT AND MAKE MEASUREMENTS, WHERE APPROPRIATE, OF THE FOLLOWING COMPONENTS AND STEPS IN THE INSTALLATION OF THE OWTS;
(1) THE EXPOSED BOTTOM OF THE EXCAVATION FOR THE LEACH FIELD;
(2) THE SIZE AND CONDITION OF ALL STRUCTURES SUCH AS THE SEPTIC TANK, D–BOX, GALLEYS, FLOW DIFFUSERS, ETC.;
(3) THE ELEVATIONS OF ALL PIPE INVERTS;
(4) ALL SAND MEDIA AND AGGREGATE IS IN ACCORDANCE WITH SPECIFICATIONS AND IS PLACED IN ACCORDANCE WITH THE DESIGN PLAN;
(5) COMPLETED INSTALLATION PRIOR TO COVERING;
(6) THE TYPE OF BACKFILL AND THAT THE BACKFILL IS PROPERLY PLACED AND COMPACTED.
(7) FINAL SOIL COVER INCLUDING 10 FT PERIMETER; AND
(8) ALL HORIZONTAL SET–BACKS, INCLUDING FROM THE BUILDING AND ANY WELLS ON–SITE OR ON ABUTTING LOTS.

E. IF CONDITIONS ARE ENCOUNTERED DURING CONSTRUCTION WHICH INDICATE THAT THE SYSTEM CANNOT BE INSTALLED OR IS NOT INSTALLED IN ACCORDANCE WITH THE PERMIT, OR ANY TERMS AND CONDITIONS CONTAINED THEREIN, THE DESIGNER SHALL NOTIFY THE DIRECTOR AS SOON AS POSSIBLE, BUT NO LATER THAN 24 HOURS AFTER DISCOVERY. THE DEPARTMENT SHALL ISSUE WRITTEN GUIDANCE ON SPECIFICATIONS FOR CONSTRUCTION TOLERANCES AS WELL AS CONDITIONS UNDER WHICH AS–BUILT PLANS AND REDESIGNED PLANS ARE REQUIRED. THE INSTALLER SHALL STOP CONSTRUCTION IF CONDITIONS ARE SUCH THAT A REDESIGN IS REQUIRED. NOTIFICATION IS NOT REQUIRED IF ALL DESIGN ELEMENTS ARE WITHIN THE TOLERANCES ESTABLISHED BY THE DEPARTMENT THROUGH WRITTEN GUIDANCE. IN RESPONSE TO THE DESIGNER'S NOTIFICATION, THE DIRECTOR SHALL EITHER:
(1) AUTHORIZE THE INSTALLER TO PROCEED WITH THE WORK ON–SITE AND REQUIRE THE DESIGNER TO PROVIDE APPROPRIATE DOCUMENTATION TO THE DEPARTMENT AS MAY BE REQUIRED BY THE DIRECTOR;
(2) REQUIRE THE DESIGNER TO SUBMIT AS–BUILT PLANS WITHIN 10 BUSINESS DAYS AFTER THE OWTS IS INSTALLED TO RECORD CHANGES THAT ARE IN COMPLIANCE WITH THE STANDARDS IN THESE REGULATIONS, BUT WHICH NEED TO BE DOCUMENTED; OR
(3) REQUIRE THE DESIGNER TO SUBMIT REDESIGNED PLANS AND SPECIFICATIONS TO THE DIRECTOR FOR APPROVAL SHOWING CHANGES FROM THE ORIGINAL APPROVED APPLICATION, PLAN AND SPECIFICATIONS.

F. THE INSTALLER SHALL PROVIDE THE LICENSED DESIGNER THE INFORMATION BELOW THAT CAN BE USED TO VERIFY THAT THE INSTALLATION OF THE OWTS WAS PERFORMED AS SPECIFIED:
(1) DAILY INSPECTION REPORT (WEATHER CONDITIONS, PERSONS ON–SITE, WORK ACCOMPLISHED AND OTHER INFORMATION CUSTOMARILY INCLUDED IN INSPECTION REPORTS);
(2) A MINIMUM OF TWO PHOTOGRAPHS OF THE SYSTEM BEING INSTALLED;
(3) LIST OF ALL MATERIALS USED, THEIR SOURCE, AND THE DATES DELIVERED TO THE SITE; AND
(4) PRODUCT SPECIFICATION SHEETS, IF DIFFERENT FROM THOSE SPECIFIED IN THE APPROVED DESIGN.

G. CERTIFICATE OF CONSTRUCTION
(1) THE DESIGNER THAT IS RESPONSIBLE FOR THE SYSTEM INSTALLATION IN ACCORDANCE WITH RULE 44 SHALL COMPLETE A CERTIFICATE OF CONSTRUCTION THAT CERTIFIES THAT THE OWTS WAS INSTALLED IN CONFORMANCE WITH THE APPROVED APPLICATION, PLANS, SPECIFICATIONS, APPLICABLE STATUTES AND REGULATIONS AND THAT HE OR SHE IS RESPONSIBLE FOR HAVING OBSERVED THE INSTALLATION. THE CERTIFICATE OF CONSTRUCTION SHALL BE ON FORMS PROVIDED BY THE DIRECTOR.
(2) THE CERTIFICATE OF CONSTRUCTION SHALL BE SUBMITTED TO THE DIRECTOR WITHIN FIVE BUSINESS DAYS AFTER THE OWTS, BUILDING FOUNDATION, DRINKING WATER WELL, AND OTHER APPURTENANCES, AS MAY BE SPECIFIED IN WRITTEN DEPARTMENT GUIDANCE HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE DESIGN PLAN. THE DESIGNER SHALL PROVIDE A COPY OF THE CERTIFICATE OF CONSTRUCTION TO THE PROPERTY OWNER.
(3) IN ADDITION TO THE CERTIFICATION IN RULE 44 ABOVE, THE CERTIFICATE OF CONSTRUCTION SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING:
(A) NAME AND LICENSE NUMBER OF THE DESIGNER;
(B) NAME AND LICENSE NUMBER OF THE INSTALLER;
(C) DISTANCES FROM TWO BUILDING FOUNDATION CORNERS TO THE SEPTIC TANK MANHOLE, TO THE DISTRIBUTION BOX, AND TO THE LEACH FIELD CORNERS.

H. ONCE THE DESIGNER HAS CERTIFIED THAT THE OWTS HAS BEEN PROPERLY INSTALLED, THE DESIGNER SHALL PROVIDE INFORMATION AND RECOMMENDATIONS TO THE OWNER OF THE OWTS ON SYSTEM SPECIFIC OPERATION AND MAINTENANCE PRACTICES TO PREVENT AGAINST PREMATURE SYSTEM FAILURE AND POLLUTION OF THE WATERS OF THE STATE.

I. THE DESIGNER IS NOT RESPONSIBLE FOR ANY NEGLIGENT ACT OR 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.

MARK L. DOWDELL
No. 11164
REGISTERED PROFESSIONAL ENGINEER
CIVIL
4/6/22

RI Environmental Management
APR 07 2022
Office of Water Resources

DOWDELL ENGINEERING ASSOCIATES, LLC
CIVIL & ENVIRONMENTAL ENGINEERS
SURVEYORS & LAND PLANNERS
P.O. BOX 1684 – 3944R OLD POST ROAD
NARRAGANSETT, RHODE ISLAND 02813
(401) 364–1027
WEBSITE: dowdelleng.com EMAIL: mark@dowdelleng.com

JOB NO. 3439	DRAWN BY: R.L.C.
DWG. NO. 3439–OWTS.	CHECKED: M.L.D.
	APPROVED: W.D.D.
SCALE: 1"=20'	DATE: JAN. 6, 2022
SHEET: 1	1 OF 1 SHEETS