



**RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
ON-SITE WASTEWATER TREATMENT SYSTEM CONSTRUCTION PERMIT**

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FOR RIDEM USE ONLY

APPLICATION No. 2332-0677 DATE RECEIVED 7/1/23 AMOUNT RECEIVED \$ 00 CHECK # 349 **JUL 21 2023** NOTE

TYPE OF APPLICATION (CHECK ALL THAT APPLY)

- | | |
|---|---|
| <input checked="" type="checkbox"/> NEW BUILDING CONSTRUCTION | <input type="checkbox"/> A/E TECHNOLOGY TYPE <u>ADV BY 70</u> |
| <input type="checkbox"/> ALTERATION | <input type="checkbox"/> VARIANCE |
| <input type="checkbox"/> REPAIR | <input type="checkbox"/> REDESIGN |
| <input type="checkbox"/> TRANSFER | <input type="checkbox"/> JOINT OWTS / WETLANDS PD |

CERTIFICATION

I, MARK L. DOUBELL (print), the undersigned licensed OWTS designer, certify that I prepared this application and accompanying forms, submittals, plans and sketches in accordance with the RULES of the RIDEM pertaining to OWTS and that all the information provided on this application and accompanying forms, submittals, plans and sketches is true and accurate.

Designer's Signature [Signature] License # 83142

Designer's Email M.L.DOUBELL@CHAI.COM Phone # 401-64-1127

Business/Company Name DOUBELL ENGINEERING

I certify that a) I am the owner of the property indicated under the site information on this application, b) I will hire a licensed OWTS installer to install the system proposed herein, c) the system will be installed in strict accordance with this application, d) I will hire and retain the licensed OWTS designer of record to witness and inspect the installation of the system, e) I assume all responsibility for the truth and accuracy of this application and all liability and responsibility for any improper installations of the system on this site and agree to hold the RIDEM harmless from any and all claims relating whatsoever to the system. In the case of a transfer application, I acknowledge that the permit application and plans previously approved and accompanying this application are the operative documents subject to certification.

Owner's Phone Number 401-519-8538

Owner's Email rickschubert@cox.net

Owner(s) Signature [Signature]

SITE INFORMATION

NO. STREET MINISTERIAL RD, SOUTH KINGSTOWN CITY/TOWN SOUTH KINGSTOWN POLE #
 PLAT NUMBER 74 LOT NUMBER 42 SUBDIVISION LOT NUMBER
 LOT SIZE 1.23 SF/ACRES (NEW LOT PROPOSED)
 SUBDIVISION NAME MEEHAN SUBDIVISION
 SUBDIVISION SITE SUITABILITY CERTIFICATION #

OWNER INFORMATION

LAST NAME MEEHAN FIRST NAME RICK M.I.
 NO. STREET 544 MINISTERIAL RD SOUTH KINGSTOWN RI CITY/TOWN SOUTH KINGSTOWN ZIP CODE 02879

RIDEM APPLICATION HISTORY

PREVIOUS SITE TESTING YES NO APPLICATION # 2332-0677
 DEPTH TO APPROVED WATER TABLE 5' HOW DETERMINED SOIL EVAL
 TEST HOLE # 112 DATE EXCAVATED 6/25/23 WETLANDS within 200' OF OWTS YES NO
 WETLAND DETERMINATION YES NO RIDEM FILE # DATE / /
 LARGE SYSTEM YES NO OCI FILE # IF APPLICABLE

DESIGN INFORMATION

BUILDING USE: Residential Commercial
 Other
 WATER SUPPLY: public water public well private well
 # OF DESIGN UNITS 4 BR
 UNIT DESIGN FLOW 115 gallons per BR (unit) TOTAL DAILY FLOW 460 gallons
 TANK SIZE 1500 gallons DESIGN LOADING RATE 2.1 gpd/sf
 MINIMUM REQUIRED LEACHFIELD AREA 219 square feet
 LEACHFIELD TYPE GEOMATRIX GST 1218
 TOTAL AREA OF LEACHFIELD PROVIDED 248 square feet

PERMIT APPROVAL SECTION: DO NOT WRITE BELOW THIS LINE

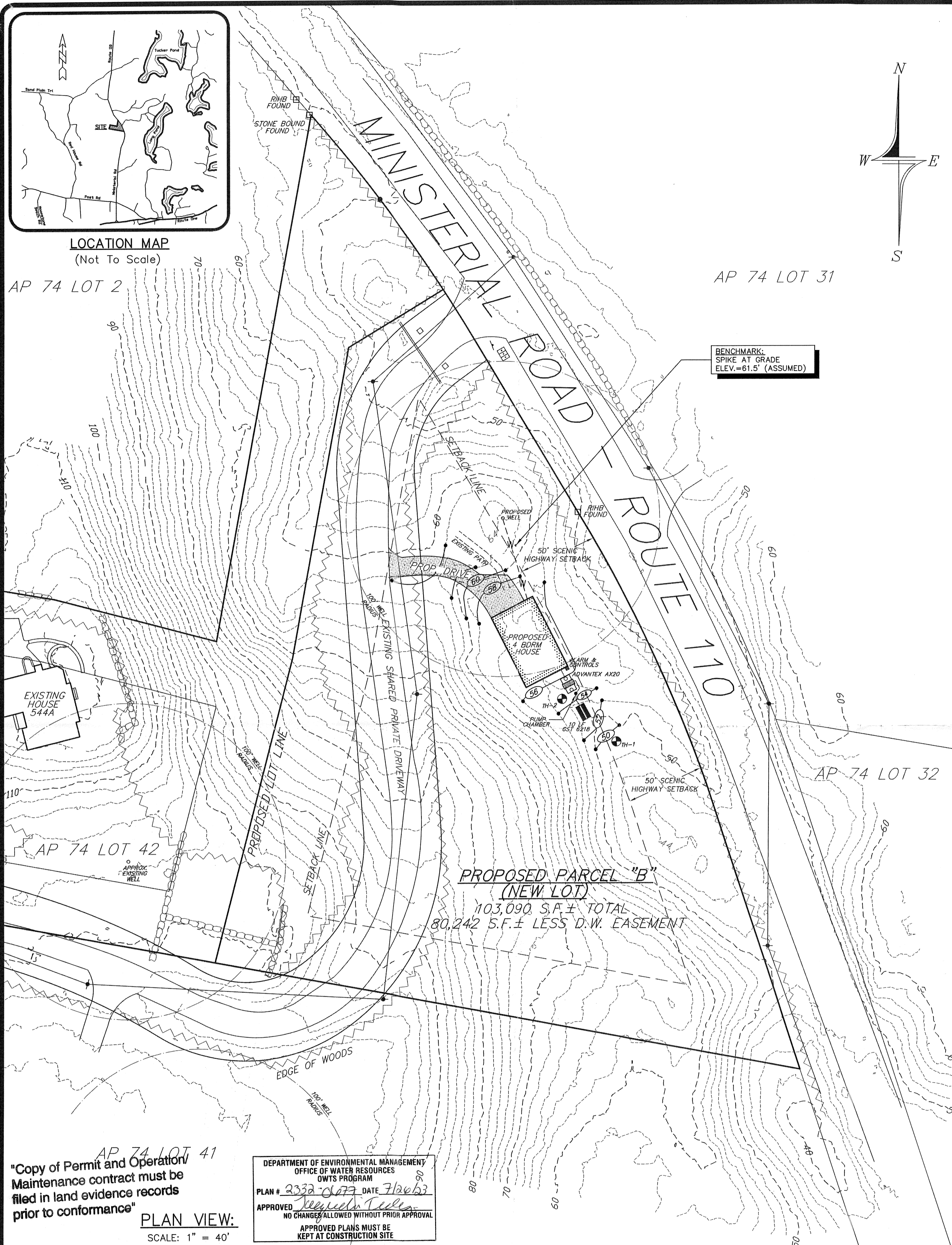
Based upon the representations of the owner and the owner's agents, including the representations of the owner's OWTS designer, and the truth and accuracy of all information submitted, this application for an OWTS is hereby approved. The RIDEM assumes no responsibility or liability for the future safe operation or maintenance of the aforesaid system, of the fitness or suitability of this system to this site, nor does it assume any responsibility for the accuracy and truth of the owner's, or the owner's agent's representations. This approval is subject to future suspension or revocation in the event that subsequent examination reveals any data indicated on any application, form, submittal, plan or sketch to be incorrect, or not in compliance with the RULES or any conditions at the site are such that the approved design is not in accordance with the RULES, or in the event that the system discharges inadequately treated wastewater to waters of the State or fails to operate satisfactorily in any other manner.

IMPORTANT: Additional terms of approval as circled.

- A. Bottom of leaching area excavation must be inspected by the RIDEM prior to placement of any gravel or stone.
- B. System installation must be inspected by RIDEM prior to covering any component of the system with backfill.
- C. Applicant shall comply with all requirements, conditions and stipulations of variance(s) approved on .
- D. Joint Permit: Designer of record must contact RIDEM prior to start of any site construction.
- E. A/E Technology: additional installation, operation or maintenance requirements may apply (see A/E Technology Certification.)
- F. Copy of this form and Operation/Maintenance contract must be filed in land evidence records prior to conformance.
- G. Proposed construction falls within "Coastal Zone". Contact Rhode Island Coastal Resources Management Council.
- H. Proper erosion and sedimentation controls must be installed prior to start of construction.
- I. Transfer: See original permit for all applicable conditions.
- J. Other 500124 B-1 2 104 500124 sign

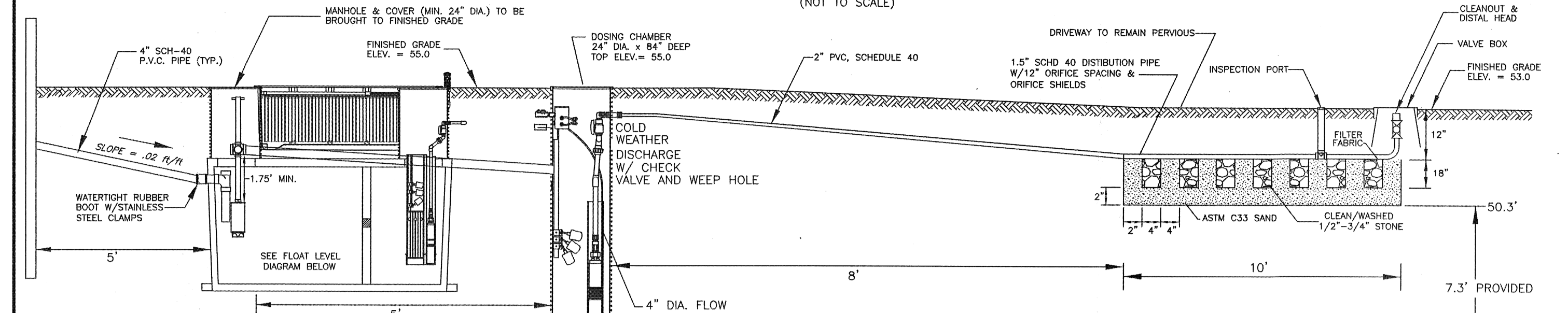
Signature of RIDEM Official [Signature] Date of Approval 7/26/23 Date of Expiration 7/26/28

DESIGNER



PROP. TOP OF FOUNDATION = 58.0
 PROP. BASEMENT FLOOR = 50.0
 INV. OF PIPE AT END = 51.1

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. THERE IS A WATER LOSS, RETAIL, MARK THE WATER LEVEL, AND LET STAND FOR TWO MORE HOURS. THERE SHOULD BE NO WATER LOSS.

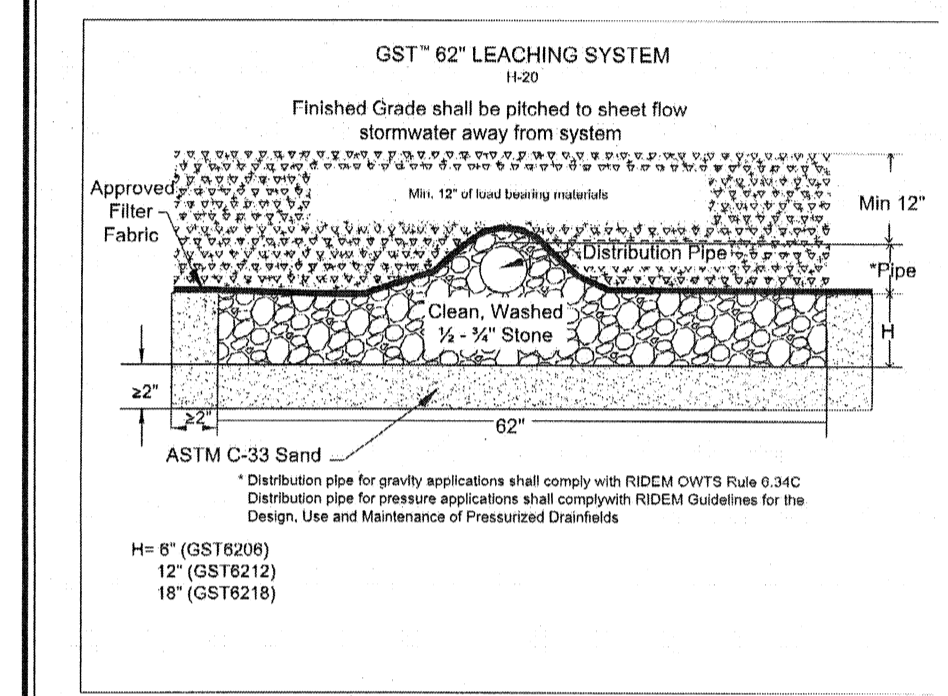
SEPTIC TANK W/ADVANTEXT TREATMENT SYSTEM
 CAPACITY = 1,500 GALLONS
 INV. @ SEPTIC TANK INLET = 51.0
 INV. ABOVE RSV CAGE = 52.4
 JOLLEY 1500-2C-OSL-AFC
 OR APPROVED EQUAL

OSI PUMP BASIN
 INV. IN /FORSE MAIN OUT= 52.1
 TIMER CONTROLLED
 HIGH ALARM = 51.8
 PUMP ON = 51.4
 PUMP OFF = 50.0
 LOW WATER ALARM = 49.8
 BOTTOM OF CHAMBER = 48.0

USE MODEL PFS005-2 STAGE PACKAGE E, OR APPROV. EQUAL

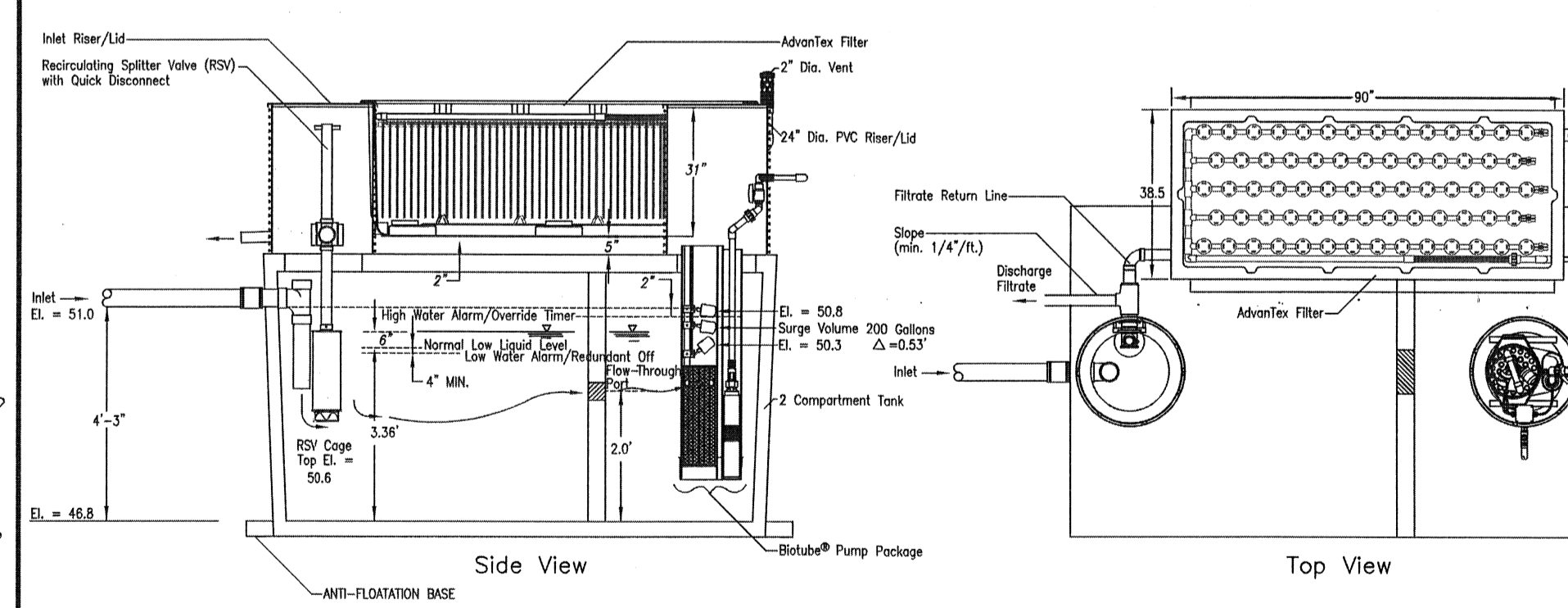
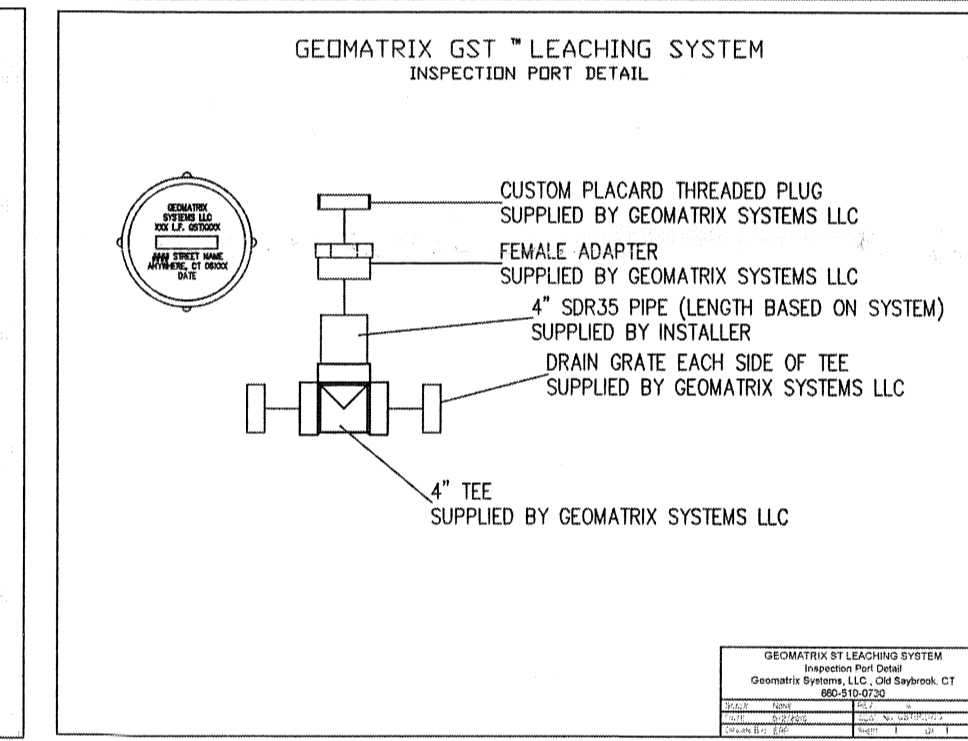
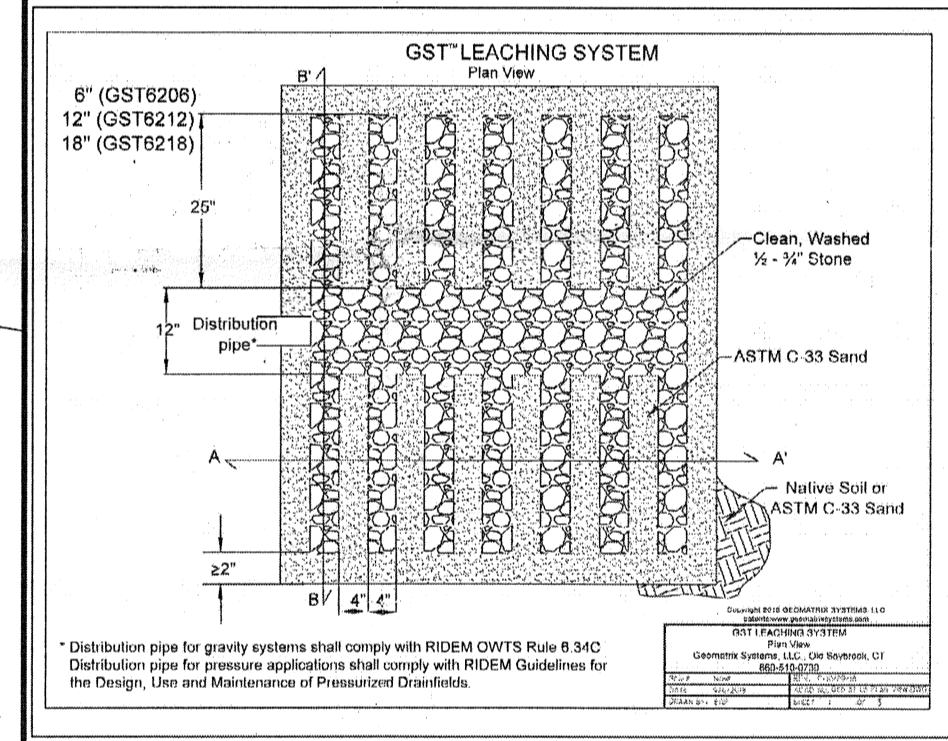
GEOMATRIX GST 6218 LEACHING SYSTEM
 INV. @ DRAINFIELD = 52.0
 BOTTOM OF GEOMATRIX = 50.5
 BOTTOM OF SAND ELEVATION = 50.3
 NOTE: FINISHED GRADE OVER LEACHING AREA, SEE PLAN

DESIGN GRADE
 PROP. NUMBER OF BEDROOMS = 4 x 115 GAL/BDRM/DAY = 460 GPD
 (460 GAL/DAY → 2.1 GAL/S.F./DAY = 219 S.F. REQUIRED FOR LEACHING
 219 S.F. → 24.8 ELC = 8.8 L.F. REQUIRED - 10 L.F. PROVIDED
 USE 12" ORIFICE SPACING + ORIFICE SHIELDS FOR 1.5" DISTRIBUTION LINE



DOSING CALCULATION-6218
 50% STORAGE = 6.92 GAL/LF
 6.92 X 10 LF = 69.2 GAL/DOSE MAX. FOR LEACHING
 PUMP BASIN MAX. = 51.4-50.0'
 = 1.4 X 23.52 GAL/FT
 = 32.9 GAL/DOSE
 460/32.9 = 14.0 - USE 14 DOSES PER DAY

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 DRAIN 33 GALLONS PER DOSE TO THE GEOMAT (14 TIMES 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 WASTEWATER 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 DUCHIBIL 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 BOTTLER 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. THE SURGE 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.

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 MEETING FOR THIS PROJECT MUST INSTALL A MINIMUM OF 3 SAND FILTERS/PSNDS.

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.

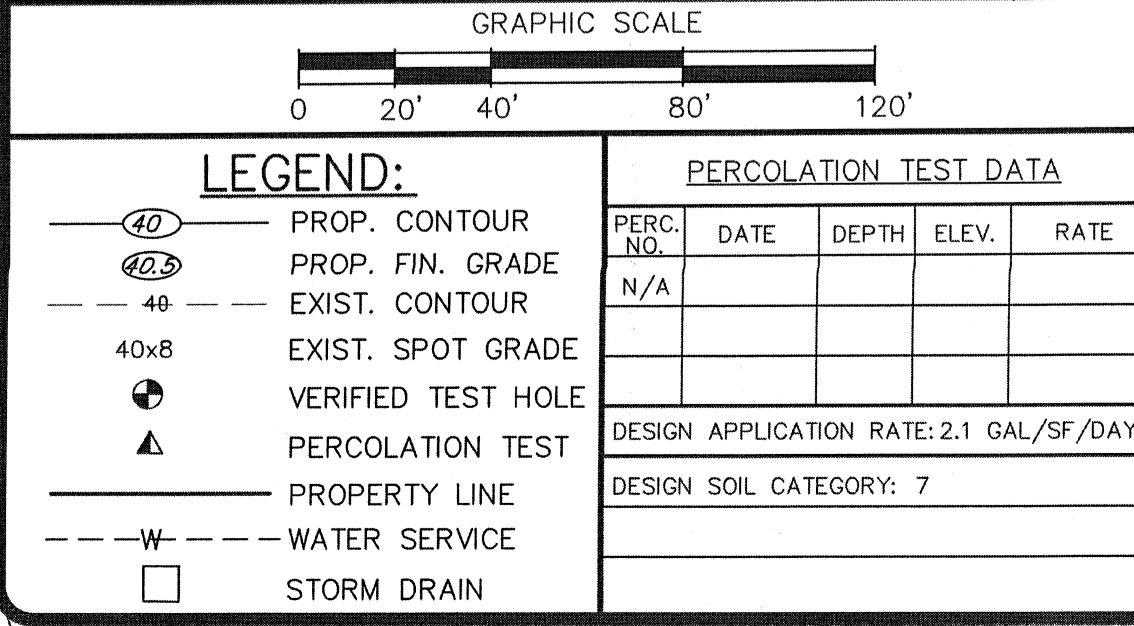
D. THE DESIGNER MUST AT A MINIMUM, INSPECT AND MAKE MEASUREMENTS, WHERE APPROPRIATE, OF THE FOLLOWING COMPONENTS AND STEPS IN THE INSTALLATION OF THE OWTS:
 (1) THE EXPOSED BOTTOM OF THE EXCAVATION FOR THE LEACH FIELD;
 (2) THE SIZE AND CONDITION OF ALL STRUCTURES SUCH AS THE SEPTIC TANK, D-BOX, GALLEYS, FLOW DIFFUSERS, ETC.;
 (3) THE ELEVATIONS OF ALL PIPE RISERS;
 (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 ADJUTING 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 OF ANY CONDITIONS ARE SUCH THAT A REVISION 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 DESIGN.

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 ACCOMPANIED AND OTHER INFORMATION CUSTOMER'S INCLUDED IN INSPECTION REPORTS);
 (2) A MINIMUM OF TWO PHOTOGRAPHS OF THE SYSTEM BEING INSTALLED; 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.
 (4) 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.

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.
 (4) 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.

H. THE DESIGNER IS NOT RESPONSIBLE FOR ANY NEGLIGENT ACT OR OMISSION OF A USER OF ANY OWTS, INCLUDING BUT NOT LIMITED TO, FAILING TO PROPERLY USE AND MAINTAIN THE SYSTEM, WHICH CAUSES DAMAGE TO THE OWTS.



ZONING CLASSIFICATION = R80
 SETBACKS: FRONT- 50' SIDE- 40' REAR- 50'

PERCOLATION TEST DATA

PERC. NO.	DATE	DEPTH	ELEV.	RATE
N/A				

DESIGN APPLICATION RATE: 2.1 GAL/SF/DAY
 DESIGN SOIL CATEGORY: 7

SOIL TEST DATA

DEEP TEST PIT NO.	6/28/23	DEEP TEST PIT NO.	6/28/23
SURFACE ELEVATION = 49.0'		SURFACE ELEVATION = 53.0'	
DEPTH/SOIL	SOIL DESCRIPTION	DEPTH/SOIL	SOIL DESCRIPTION
	SEE ATTACHED SOIL EVALUATION		SEE ATTACHED SOIL EVALUATION

GROUND WATER @ DEPTH OF 96" ELEVATION = 41.0' VERIFIED WT=2332-0677
 GROUND WATER @ DEPTH OF 96" ELEVATION = 45.0' VERIFIED WT=2332-0677

PLAN VIEW OF SYSTEM

GENERAL NOTES

- 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 ON-SITE WASTEWATER TREATMENT SYSTEMS, NOVEMBER, 2018 BY R.I. DEPARTMENT OF ENVIRONMENTAL MANAGEMENT, AUTHORITY: CHAPTER 42-35 PURSUANT TO CHAPTERS 42-17.1, 23-19.5 & 6-56.1 OF THE RHODE ISLAND GENERAL LAWS
- MAINTAIN INVERT ELEVATION 52.0' FOR 5' AROUND SYSTEM.
- THE DISTRIBUTION BOX SHALL HAVE A BOTTOM AREA OF 3 S.F. AND BE H-20 LOAD.
- ALL TREES, BRUSH AND STUMPS WITHIN 10 FEET OF LEACH FIELD TO BE REMOVED.
- THERE SHALL BE NO SUBSURFACE FOUNDATION OR STORM DRAINS WITHIN 25 FEET OF THE OWTS.
- COMPLY WITH ANY ADDITIONAL TERMS OF APPROVAL AS MAY BE REQUIRED BY R.I.D.E.M.
- SCHEDULE 35-SDR P.V.C. PIPE OR EQUAL FOR ALL OWTS PIPING.
- THE LEACH FIELD AND EXTENDING 0 FEET TO 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 SCAFFOLD AND BACKFILLED WITH CLEAN, COARSE GRAVEL. (RULE 6.33 M & J)
- 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.
- BENCHMARK TO BE SET WITHIN 100' OF PROPOSED OWTS LOCATION PRIOR TO CONSTRUCTION.
- THERE ARE NO EXISTING OR PROPOSED WELLS WITHIN 200' OF THE PROPOSED OWTS NOR ARE THERE ANY OTHER OWTS WITHIN 100' OF THE PROPOSED OWTS, UNLESS OTHERWISE NOTED.
- ALL PIPING TO CONSIST OF POLYVINYL CHLORIDE PIPE (P.V.C.) SCHEDULE 40-SDR, UNLESS OTHERWISE NOTED.
- HEAVY MACHINERY SHALL NOT BE PERMITTED TO PASS OVER THE LEACH FIELD.
- FOR PROPER PERFORMANCE, THE SEPTIC TANK SHOULD BE INSPECTED AT LEAST ONCE A YEAR AND WHEN TOTAL DEPTH OF SOLID AND SOLIDS EXCEED 1/3 THE LIQUID DEPTH OF THE TANK, THE TANK SHOULD BE PUMPED.
- 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.
- 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.
- THERE ARE NO EXISTING OR PROPOSED PUBLIC WELLS WITHIN 500' OF THE PROPOSED OWTS EXCEPT AS SHOWN.
- THERE ARE NO COASTAL PONDS OR TRIBUTARIES THERETO INCLUDING STORM AND SUBSURFACE DRAINS DIRECTLY DISCHARGING THERETO WITHIN 200' OF PROPOSED OWTS, EXCEPT AS SHOWN.
- SUBJECT PARCEL IS SITUATED IN THE COASTAL PONDS CRITICAL RESOURCE AREA.
- REPLUMB EXISTING STRUCTURE AS NECESSARY TO MATCH THE INVERTS OF THE PROPOSED OWTS.
- ANY FILL ENCOUNTERED IN THE AREA OF THE PROPOSED LEACHING SHALL BE REMOVED AND REPLACED WITH BANK RUN GRAVEL, MEETING R.E.33M.

PROPOSED ON-SITE WASTEWATER TREATMENT SYSTEM
 DESIGNED FOR A 4 BEDROOM DWELLING
 AP-74 LOT 42
 SITUATED IN THE TOWN OF SOUTH KINGSTOWN, R.I.
 APPLICANT:
 RICK MEEHAN
 544A MINISTERIAL ROAD
 SOUTH KINGSTOWN, RI 02879

NO.	REVISION	DATE

MARK L. DOWDELL
 7/17/23
 No. 11104
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL

DOWDELL ENGINEERING ASSOCIATES, LLC
 CIVIL & ENVIRONMENTAL ENGINEERS
 SURVEYORS & LAND PLANNERS
 P.O. BOX 1684 • 3949 OLD POST ROAD
 CHARLESTOWN, RHODE ISLAND 02813
 (401) 364-1027
 EMAIL: mark@dowdelleng.com
 JUL 21 2023

JOB NO. 3592
 DWG. NO. 3592-OWTS
 SCALE: 1"=40'
 SHEET: 1 OF 1 SHEETS

DRAWN BY: R.L.C.
CHECKED BY: M.L.D.
APPROVED BY: M.L.D.
DATE: JULY 17, 2023