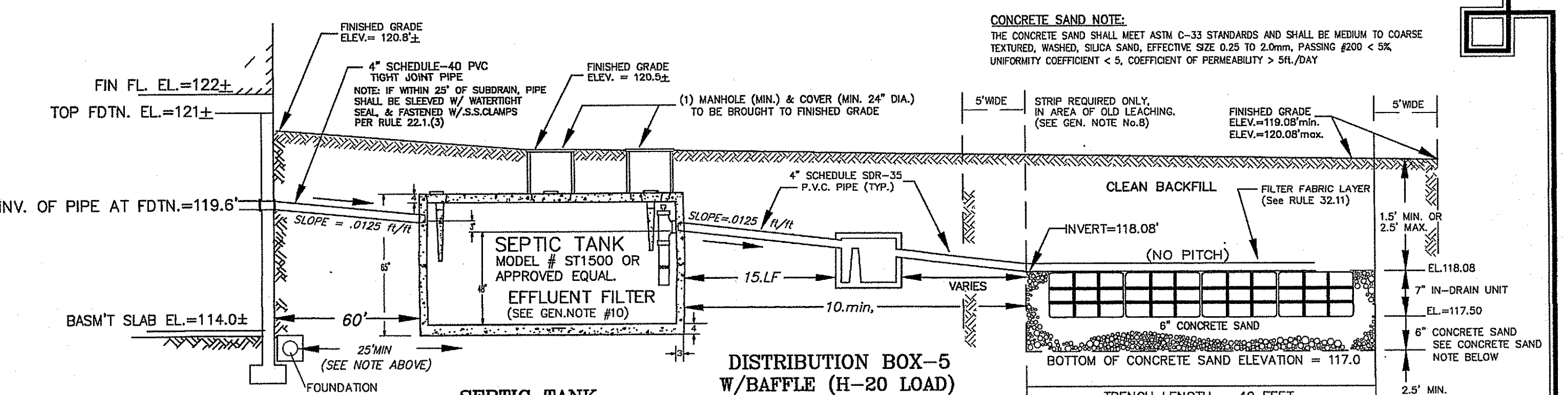


A.P.19 / BLOCK 2 / LOT 6  
 EXISTING LOT AREA=16.2+ACRES  
 PROPOSED NEW AREA=10.2+ACRES

A.P.83 / BLOCK 11 / LOT 22  
 EXISTING PARCEL AREA=10,000+Sq.Ft.  
 PROPOSED NEW AREA=6.22+ACRES  
 ZONE CR-5

LAND NOW OR FORMERLY  
 NORMA JEAN GOLDE  
 A.P. 83 / BLOCK 211 / LOT 7



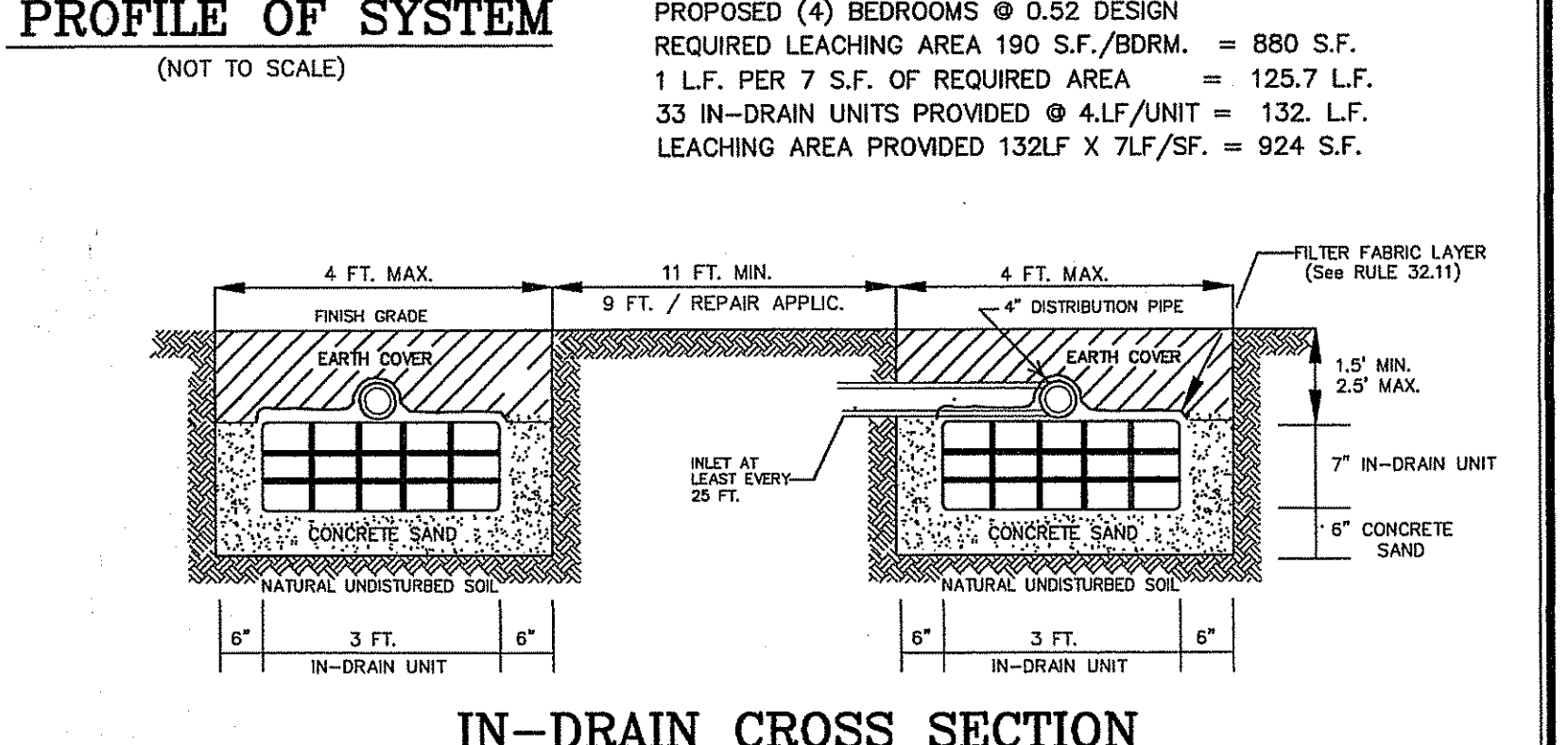
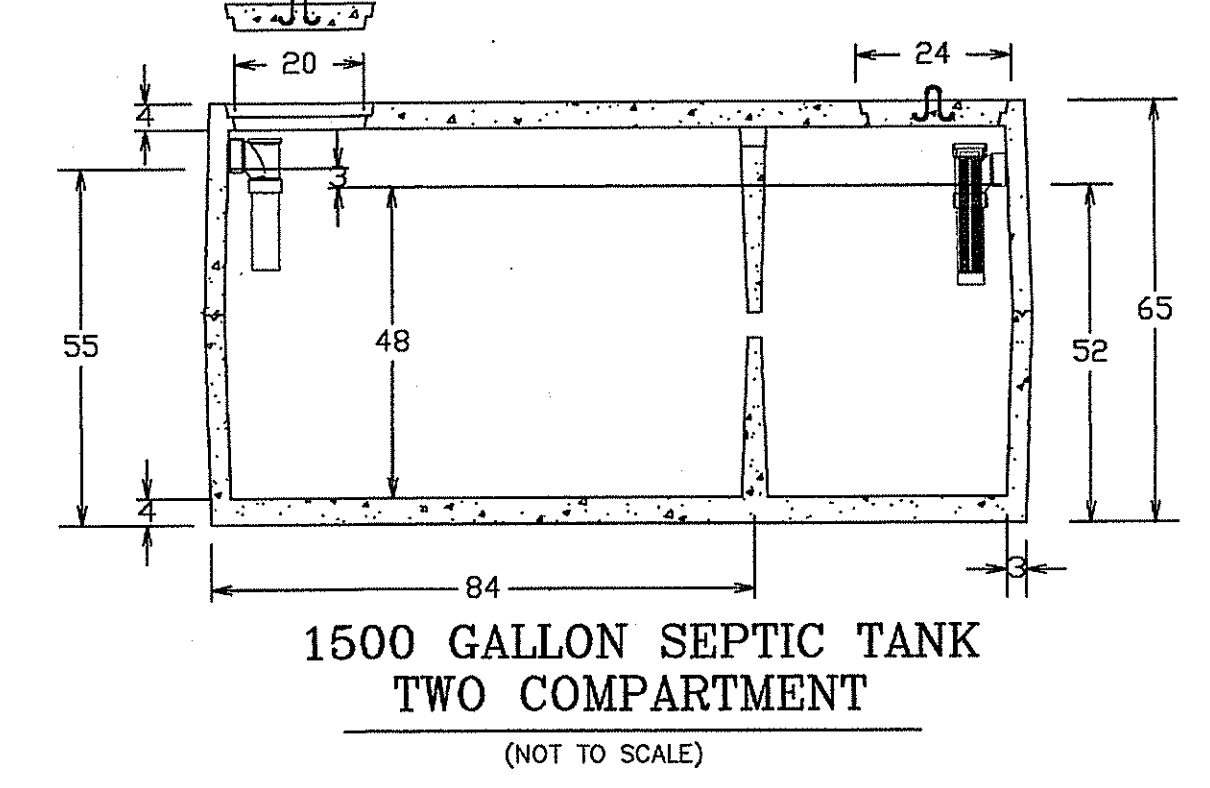
**TANK NOTE:**  
 ALL TANKS INCLUDING RISERS SHALL BE WATER TIGHT AND SHALL BE TESTED ON SITE AS FOLLOWS: FRESH SEAL THE TANK INLET AND OUTLET. NEXT, FILL THE TANK WITH WATER TO 2 TO 4 INCHES ABOVE THE JOINT BETWEEN THE RISER AND TANK AND LET STAND FOR 24 HOURS. IF THERE IS A WATER LOSS, RETAIL MARK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

**SEPTIC TANK**  
 CAPACITY = 1,500 GALLONS  
 INV. @ SEPTIC TANK INLET = 118.83'  
 INV. @ SEPTIC TANK OUTLET = 118.58'

**DISTRIBUTION BOX-5**  
 W/BAFFLE (H-20 LOAD)  
 MODEL NO. DB-5 OR APPROVED EQUAL  
 INV. @ DIST. BOX INLET = 118.40  
 INV. @ DIST. BOX OUTLET = 118.24  
 TOP OF IN-DRAIN SHALL BE 2" LOWER THAN THE INVERT LEAVING THE D-BOX

**ELGEN IN-DRAINS TRENCH**  
 ELGEN IN-DRAIN UNITS PROVIDED = 33 UNITS  
 BOTTOM OF TRENCH LEVEL FOR ENTIRE LENGTH.

**DESIGN DATA**  
 PROPOSED (4) BEDROOMS @ 0.52 DESIGN  
 REQUIRED LEACHING AREA 190 S.F./BDRM. = 880 S.F.  
 1 L.F. PER 7 S.F. OF REQUIRED AREA = 125.7 L.F.  
 33 IN-DRAIN UNITS PROVIDED @ 4.1L.F./UNIT = 132 L.F.  
 LEACHING AREA PROVIDED 132L X 7L.F./S.F. = 924 S.F.



**GENERAL NOTES**  
 (ONLY CIRCLED NOTES APPLY.)

- DISTRIBUTION BOX TO BE 3' S.O.F.T. MIN. & BE PROVIDED A SUITABLE BAFFLE.
- SEPTIC TANK SHALL BE TWO COMPARTMENT, WITH EFFLUENT FILTER & AN INLET TEE.
- MAINTAIN ELEV. 118.08 FOR 10 FEET AROUND THE LEACHING FIELD PERIMETER AND ELEVATION 118.83 FOR 10 FT. AROUND THE SEPTIC TANK, UNLESS OTHERWISE NOTED.
- THERE ARE NO WELLS WITHIN 200 FT. OF THE PROPOSED SEPTIC SYSTEM.
- THERE ARE NO SEPTIC SYSTEMS WITHIN 100 FT. OF THE PROPOSED WELL, UNLESS SHOWN ON PLAN.
- THERE ARE NO DRAINS EXISTING OR PROPOSED WITHIN 25 FT. OF THE PROPOSED SEPTIC SYSTEM, UNLESS SHOWN ON PLAN.
- SCHEDULE 35-SDR P.V.C. PIPE FOR ALL ISDS PIPING, UNLESS OTHERWISE NOTED.
- A MINIMUM OF 10 FT. SHOULD BE MAINTAINED BETWEEN LEACHING FIELD AND NEIGHBORING TREES AND SHRUBS. THE ROOT SYSTEMS OF WATER-LOVING TREES AND SHRUBS CAN CAUSE DAMAGE TO LEACHING. REMOVE PERIMETER ROOTS AND MAINTAIN A ROOT FABRIC BARRIER BETWEEN WATER-LOVING TREES AND THE LEACHING FIELD.
- HEAVY MACHINERY SHALL NOT BE PERMITTED TO DRIVE OVER THE LEACH FIELD.
- FOR PROPER PERFORMANCE, THE SEPTIC TANK AND EFFLUENT FILTER SHOULD BE INSPECTED AT LEAST ONCE A YEAR & WHEN THE TOTAL DEPTH OF SOLIDS AND SOLIDS EXCEED 1/3 THE LIQUID DEPTH OF THE TANK, THE TANK SHOULD BE PUMPED.
- THE DESIGNER SHALL NOT BE RESPONSIBLE FOR THE PERFORMANCE OF THIS SYSTEM UNLESS CONSTRUCTED AS SHOWN. ANY OTHER ALTERATIONS MUST BE APPROVED IN WRITING BY THE DESIGNER.
- PROPERTY LINES, UNLESS OTHERWISE INDICATED CONFORM TO A CLASS III STANDARD AS ADOPTED BY THE RHODE ISLAND BOARD OF PROFESSIONAL LAND SURVEYORS.
- THERE ARE NO PUBLIC WELLS WITHIN 500 FT. OF THE PROPOSED O.W.T.S., EXCEPT AS SHOWN.
- THERE ARE NO COASTAL PONDS OR TRIBUTARIES THERETO INCLUDING STORM AND SUBSURFACE DRAINS DIRECTLY DISCHARGING THERETO WITHIN 200 FT. OF THE PROPOSED I.S.D.S., EXCEPT AS SHOWN.
- SUBJECT PARCEL IS SITUATED IN A CRITICAL RESOURCE AREA.
- RE-PLUMB EXISTING STRUCTURE AS NECESSARY TO MATCH THE INVERTS OF THE PROPOSED SEPTIC SYSTEM.
- BENCHMARK TO BE SET WITHIN 150 FT. OF THE PROPOSED O.W.T.S. LOCATION. PRIOR TO CONSTRUCTION.
- ALL PROPOSED WORK IS ABOVE THE 100 YEAR FLOOD PLAN ELEVATION.
- ALL OTHER DESIGN, CONSTRUCTION AND MAINTENANCE REQUIREMENTS, WHETHER NOTED HEREON, OR NOT SHALL CONFORM WITH THE RULES & REGULATIONS ESTABLISHING MINIMUM STANDARDS RELATIVE TO LOCATION, DESIGN, CONSTRUCTION AND MAINTENANCE OF ON-SITE WASTEWATER TREATMENT SYSTEM, JUNE 27 2016 BY R.I.D.E.M., AUTHORITY: IN ACCORDANCE WITH CHAPTER 42-35, PURSUANT TO CHAPTERS 42-171, 5-86, 5-86.1, 25-19.5, 23-24.5 OF THE RHODE ISLAND GENERAL LAWS OF 1955 AND ANY AMENDMENTS THERETO.

**SOIL TEST DATA**

TEST HOLE No.1	APPL.No.1611-1208	DATE OF TEST HOLE EXCAVATION: 9/20/2016	DEPTH/SOIL	SOIL DESCRIPTION
			0'-3"	Asil, 1fr, vfr (5)
			3'-5"	BW1, sil, 1fwbk, fr (5)
			5'-20"	BW2, sil, 1fwbk, vfr (5)
			20'-24"	BW3, sil, 1fwbk, fr (5)
			24'-29"	BW4, sil, 1fwbk, fr (5)
			29'-34"	BCg, sil, 1fwbk, fr (5)
			34'-60"	C, sil, 1fr, Q-m, Fr, (7m)
			60"	FRACURED LEDGE

TEST HOLE #1: WATER TABLE VERIFIED @ "CR"

**EROSION CONTROL PROGRAM**

PRIOR TO START OF CONSTRUCTION, HAYBALES, SILT FENCES AND ALL OTHER SPECIFIED EROSION CONTROL MEASURES SHALL BE IN PLACE.  
 CRITICAL AREAS SUCH AS WETLANDS, SLOPES AND STREAMS SHALL BE PROTECTED PER PLAN AND, IN THE PRESENCE OF WETLANDS, THE CONDITIONS OF ANY ISSUED PERMIT SHALL BE ADHERED TO.

**SEDIMENTATION CONTROL PROGRAM**

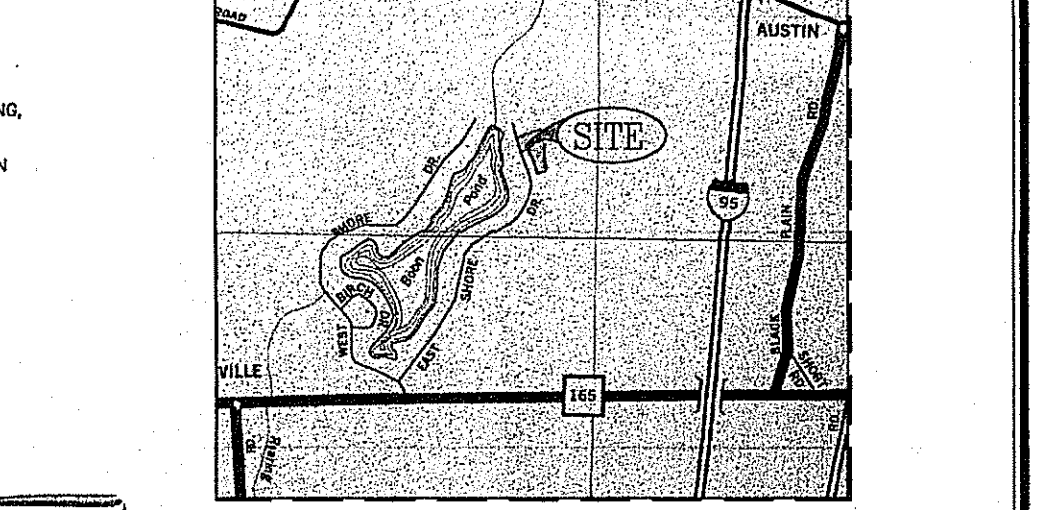
ALL EXPOSED SLOPES, INCLUDING STOCKPILES OF MATERIAL, SHALL RECEIVE TEMPORARY SEDIMENTATION AND EROSION CONTROLS. THIS WILL INCLUDE LEACHING AND SEEDING, MULCHING, HAYMATS, ETC., TO STABILIZE THE AREA.  
 ANY DRAINAGE STRUCTURES SHALL BE SURROUNDED BY HAYBALES TO PREVENT INFILTRATION OF SEDIMENTS.  
 SHOULD SEDIMENTS ENTER A CRITICAL AREA (WETLAND, BUFFER ZONE, ABUTTING PROPERTY) THE CONTRACTOR SHALL IMMEDIATELY CLEAN AND RESTORE THE AFFECTED AREA.  
 SLOPE PROTECTION TO BE INSTALLED ON ANY DISTURBED AREAS SUBJECT TO EROSION.  
 EXTREME CARE SHALL BE TAKEN TO PREVENT SEDIMENT OR UNSUITABLE MATERIAL FROM ENTERING WETLANDS, ROADWAYS AND/OR DRAINAGE STRUCTURES.  
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSPECTING AND MAINTAINING ALL EROSION CONTROL MEASURES PROMPTLY AFTER EACH RAINFALL AND TO ENSURE THAT RUNOFF FLOW PATTERNS ARE NOT IMPAIRED DURING RAINFALL AND/OR SNOWMELT.  
 ACCUMULATED SEDIMENTS SHALL BE REMOVED AS DIRECTED BY THE OWNER, ENGINEER, BIOLOGIST, APPLICANT, LOCAL OR STATE OFFICIALS.

**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 SYSTEM LOCATION.
- A. THE DESIGNER MUST AT A MINIMUM, INSPECT AND MAKE MEASUREMENTS, WHERE APPROPRIATE, OF THE FOLLOWING COMPONENTS AND STEPS IN THE INSTALLATION OF THE ISDS: STAKING OF THE LEACHING SYSTEM.
- F. VALID COMPUTER SURVEY
- THE EXPOSED BOTTOM OF THE EXCAVATION FOR THE LEACH FIELD;
  - THE ELEVATIONS OF ALL PIPE INVERTS;
  - ALL SAND MEDIA, PEA STONE AND AGGREGATE IS IN ACCORDANCE WITH SPECIFICATIONS;
  - COMPLETED INSTALLATION PRIOR TO COVERING;
  - THE TYPE OF BACKFILL AND THAT THE BACKFILL IS PROPERLY PLACED AND COMPACTED, PLACED IN ACCORDANCE WITH THE DESIGN PLAN;
  - FINAL SOIL COVER INCLUDING 25 FT PERMETER; AND
  - ALL HORIZONTAL SET-BACKS, INCLUDING FROM THE BUILDING AND ANY WELLS ON-SITE OR ON ADJUTING LOTS.
- B. 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 REDESIGN PLANS AND REVISIONS SHALL BE INSTALLED. 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 DESIGNER.
- C. THE INSTALLER SHALL PROVIDE THE LICENSED DESIGNER AT MINIMUM THE INFORMATION BELOW THAT CAN BE USED TO VERIFY THAT THE INSTALLATION OF THE ISDS WAS PERFORMED AS SPECIFIED: DEPARTMENT THROUGH WRITTEN GUIDANCE.
- C. (CONT.)
- LIST OF ALL MATERIALS USED, THEIR SOURCE, AND THE DATES DELIVERED TO THE SITE; AND
  - PRODUCT SPECIFICATION SHEETS, IF DIFFERENT FROM THOSE SPECIFIED IN THE APPROVED DESIGN.
  - A MINIMUM OF TWO PHOTOGRAPHS OF THE SYSTEM BEING INSTALLED;
- D. CERTIFICATE OF CONSTRUCTION
- THE DESIGNER THAT IS RESPONSIBLE FOR THE SYSTEM INSTALLATION IN ACCORDANCE WITH RULE 43, SHALL COMPLETE A CERTIFICATE OF CONSTRUCTION THAT CERTIFIES THAT THE O.W.T.S. 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 AFTER THE O.W.T.S. BUILDING FOUNDATION, DRINKING WATER WELL, AND OTHER APPURTENANCES, AS MAY BE SPECIFIED IN WRITTEN DEPARTMENT GUIDANCE AND HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE DESIGN PLAN.
- (3) IN ADDITION TO THE CERTIFICATION IN RULE 43 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.
- E. ONCE THE DESIGNER HAS CERTIFIED THAT THE O.W.T.S. HAS BEEN PROPERLY INSTALLED, THE DESIGNER SHALL PROVIDE INFORMATION AND RECOMMENDATIONS TO THE OWNER OF THE O.W.T.S. ON SYSTEM SPECIFIC OPERATION AND MAINTENANCE PRACTICES TO PREVENT AGAINST PREMATURE SYSTEM FAILURE AND POLLUTION OF THE WATERS OF THE STATE.
- F. THE DESIGNER IS NOT RESPONSIBLE FOR ANY NEGLIGENT ACT OR OMISSION OF A USER OF AN O.W.T.S., INCLUDING BUT NOT LIMITED TO, FAILURE TO PROPERLY USE AND MAINTAIN THE SYSTEM, WHICH CAUSES DAMAGE TO THE O.W.T.S.

AMY N. SOWDER  
 No. 1217  
 1912  
 PROFESSIONAL  
 LAND SURVEYOR  
 RIDEM-ISDS LIC.#2055  
 STAMP VALID ONLY WITH  
 RAISING SIGNATURE & DATE

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 OWTS & FRESHWATER WETLANDS  
 JOINT PERMIT APPROVAL  
 DATE: 8/21/17  
 APPROVED: [Signature]  
 No Changes Allowed Without RIDEM Approval  
 Approved Plans/Permit Must Be Used at Construction Site



Environmental Management  
 AUG 02 2017  
 Office of Water Resources

**PROPOSED SITE PLAN**  
 SHOWING O.W.T.S. DESIGN &  
 DETAILS FOR A NEW DWELLING  
 FOR PARCEL OF LAND BELONGING TO  
**RYAN M. COUGHLIN**  
 ASSESSOR'S PLAT 83./ BLK 11./ LOT 22  
 SITUATED ON EAST SHORE ROAD NEAR "BOONE LAKE" IN THE TOWN OF  
**EXETER, RHODE ISLAND**  
 DATE: MARCH 10, 2017; SCALE: 1"=40'  
 REVISED: JULY 12, 2017 / RIDEM-FWW & OWTS REVIEW  
 PREPARED BY:  
**EASTERBROOKS & ASSOCIATES, LLC**  
 2505 BOSTON NECK ROAD SAUNDERSTOWN, RI. 02874 TEL: (401)867-7770

NOTE: TO OBTAIN METERS, MULTIPLY FEET BY 0.3048.