

DESIGN NOTES

- ALL JOINTS SEALED WITH BUTYL RUBBER SEALANT.
- ALL INLETS AND OUTLETS HAVE STATE-APPROVED SEALS.
- AVAILABLE OUTLET FILTER SHOWN MEETS ASTM C 827-97A.
- CONCRETE STRENGTH 3000 PSI MIN. 28 DAYS.

SOIL TEST DATA

TEST HOLE No.1 APPL.No.1011-0522
DATE OF TEST HOLE EXCAVATION: 6/10/2010

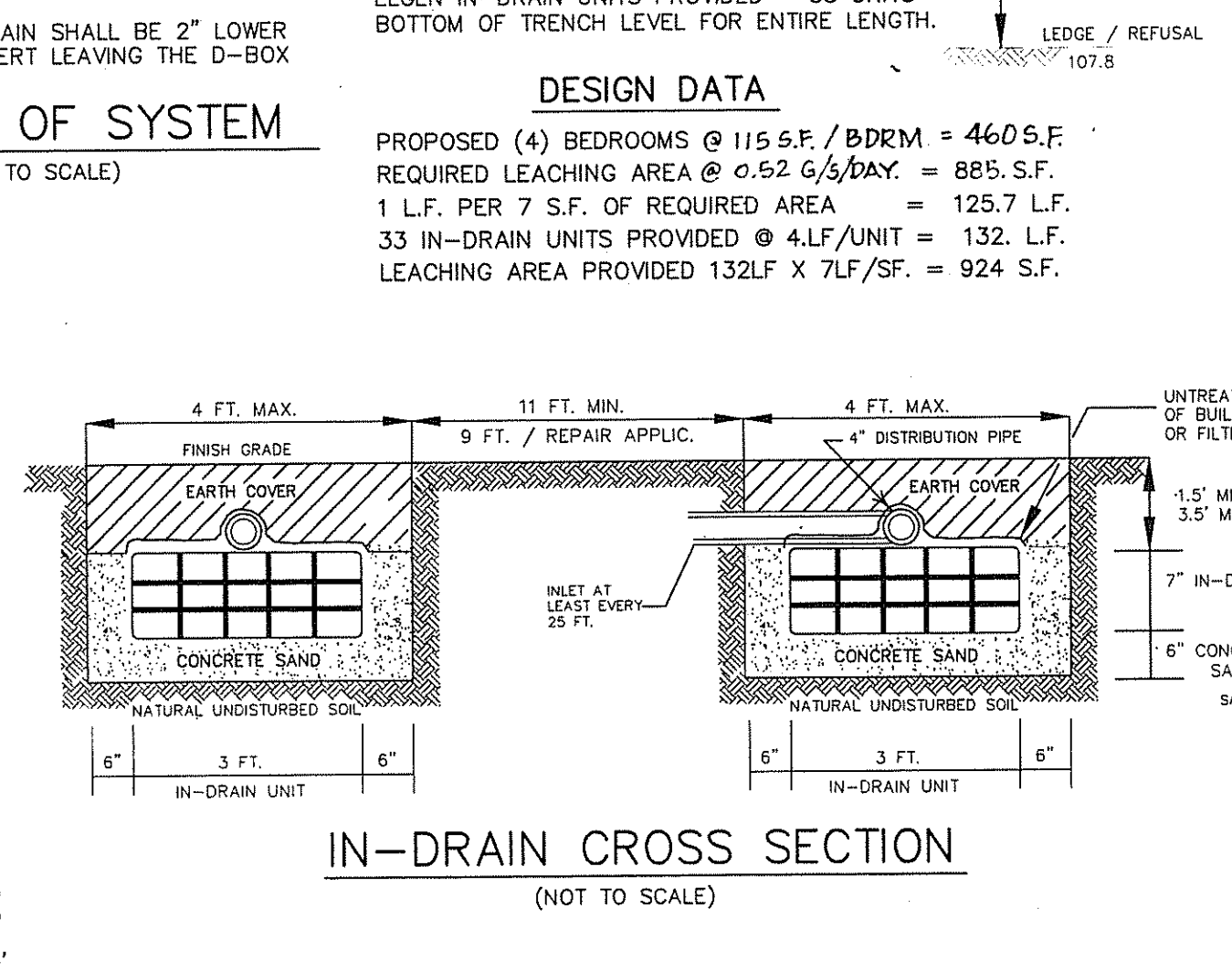
DEPTH/FOOT	SOIL DESCRIPTION
0'-3"	A, sil, 1fg, vfr (5)
3'-5"	BW1, sil, 1fbbk, fr (5)
5'-20"	BW2, sil, 1mbk, vfr (5)
20'-24"	BW3, sil, 1fbbk, fr (5)
24'-29"	BW4, sil, 1fbbk, fr (5)
29'-34"	BW5, sil, 1fbbk, fr (5)
34'-60"	C, fst, fel, 0-m, Fr (7m)
60'	LEGE/BOULDER (EL.107.8)

TEST HOLE #1; WATER TABLE VERIFIED @ 24' EL.=110.8

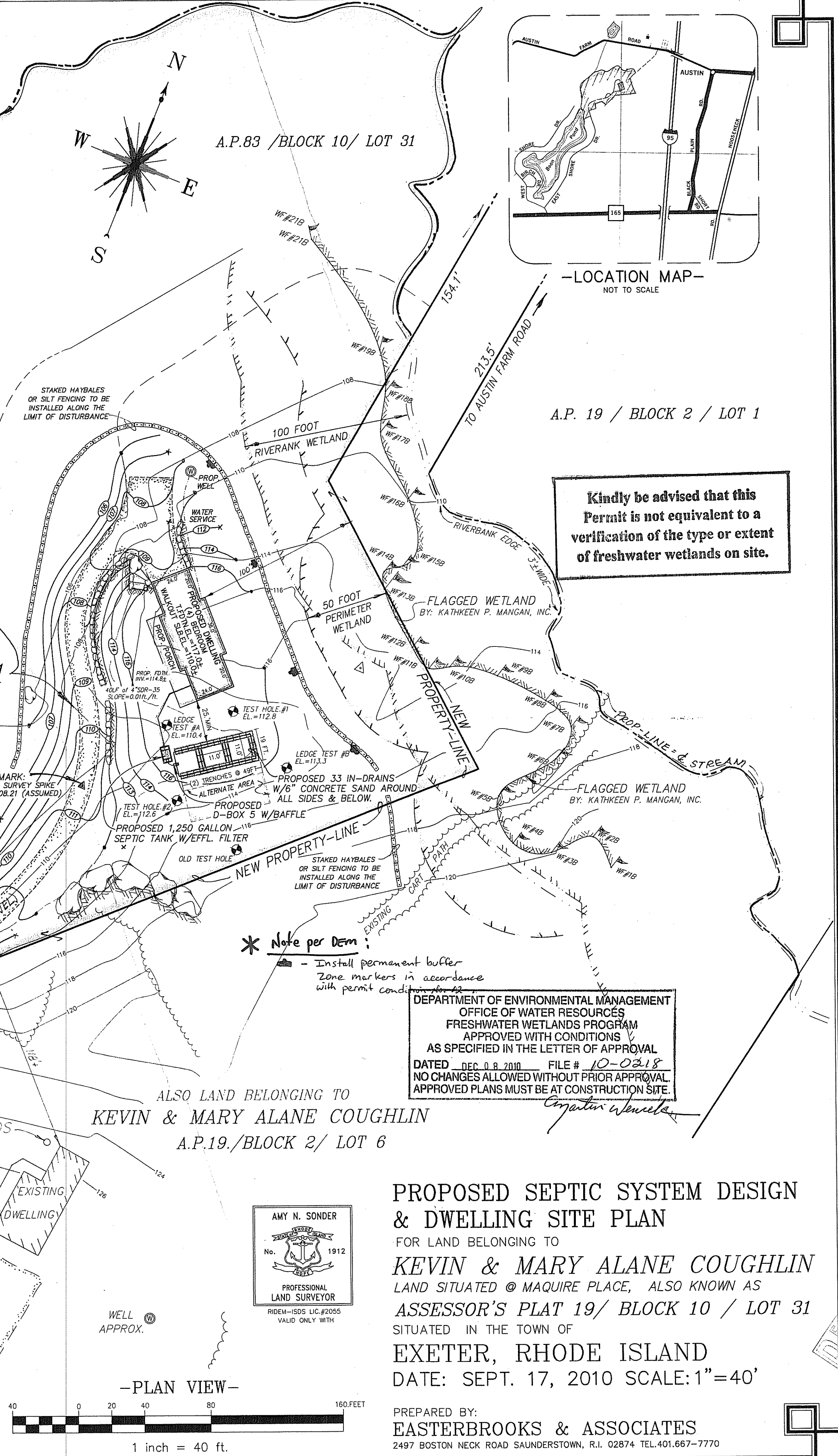
TEST HOLE No.2 APPL.No.1011-0522
DATE OF TEST HOLE EXCAVATION: 6/10/2010

DEPTH/FOOT	SOIL DESCRIPTION
0'-2"	A, sil, 1fg, vfr (5)
2'-18"	BW1, sil, 1mbk, vfr (5)
18'-28"	BW2, sil, 1fbbk, fr (5)
28'-32"	BW3, sil, 1fbbk, fr (5)
32'-50"	Cg, sil, 0-m, Fr (7)
50'-64"	2C, gccs, 0-SG, L (1m)
60'-72"	LEGE/BOULDER (EL.107.3'-106.6')

TEST HOLE #2; WATER TABLE VERIFIED @ 28' EL.=110.4
LEGE TEST HOLE #A; LEGE/REFUSAL @ 54' EL.=105.9'
LEGE TEST HOLE #B; LEGE/REFUSAL @ 65' EL.=107.9'



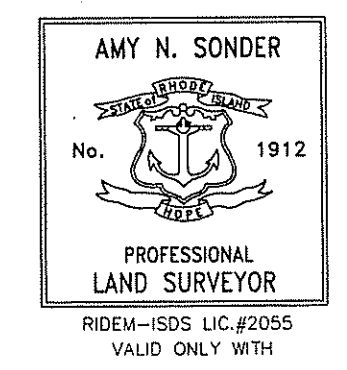
- GENERAL NOTES**
(ONLY CIRCLED NOTES APPLY.)
- DISTRIBUTION BOX TO BE 3 SQ.FT. MIN. & BE PROVIDED A SUITABLE BAFFLE.
 - SEPTIC TANK TO TWO COMPARTMENT, PROVIDED WITH EFFLUENT FILTER & AN INLET TEE.
 - MAINTAIN ELEV. 14.58 FOR 10 FEET AROUND THE LEACHING FIELD PERIMETER AND ELEVATION 15.02 FOR 10 FT. AROUND THE SEPTIC TANK, UNLESS OTHERWISE NOTED.
 - THERE ARE NO WELLS WITHIN 200 FT. OF THE PROPOSED SEPTIC SYSTEM, UNLESS SHOWN ON PLAN.
 - THERE ARE NO SEPTIC SYSTEMS WITHIN 100 FT. OF THE PROPOSED WELL, UNLESS SHOWN ON PLAN.
 - SCHEDULE 35-SOR P.V.C. PIPE FOR ALL ISDS PIPING, UNLESS OTHERWISE NOTED.
 - A MINIMUM OF 10 FT. SHOULD BE MAINTAINED BETWEEN LEACHING FACILITY AND NEIGHBORING TREES AND SHRUBS. THE ROOT SYSTEMS OF WATER-LOVING TREES AND SHRUBS CAN CAUSE DAMAGE TO ISDS. REMOVE PERIMETER ROOTS AND MAINTAIN A ROOT FABRIC BARRIER BETWEEN WATER-LOVING TREES AND THE LEACHING PERIMETER.
 - 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 SCUM 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 OTHERWISE INDICATED BY THE DESIGNER.
 - PROPERTY LINES, UNLESS OTHERWISE INDICATED CONFORM TO A CLASS II 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 SURFACE DRAINS DIRECTLY DISCHARGING THERETO WITHIN 200 FT. OF THE PROPOSED O.W.T.S., EXCEPT AS SHOWN.
 - SUBJECT PARCEL IS NOT SITUATED IN ANY CRITICAL RESOURCE AREA.
 - BENCHMARK TO BE SET WITHIN 150 FT. OF THE PROPOSED O.W.T.S. LOCATION PRIOR TO CONSTRUCTION.
 - ALL OTHER DESIGN, CONSTRUCTION AND MAINTENANCE REQUIREMENTS, WHEN NOTED HEREON, OR NOT SHOWN CONFORM WITH THE RULES & REGULATIONS ESTABLISHING MINIMUM STANDARDS RELATING TO LOCATION, DESIGN, CONSTRUCTION AND MAINTENANCE OF ONSITE WASTEWATER TREATMENT SYSTEMS, AUGUST, 2010 BY R.I.D.E.M. AUTHORITY: IN ACCORDANCE WITH CHAPTER 42-35, PURSUANT TO CHAPTERS 42-17.1, 5-56, 5-36.1, 23-19.5, 23-24.3 OF THE RHODE ISLAND GENERAL LAWS OF 1956 AND ANY AMENDMENTS THERETO.



- 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.
- 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:
 - THE EXPOSED BOTTOM OF THE EXCAVATION FOR THE LEACH FIELD;
 - THE SIZE AND CONDITION OF ALL STRUCTURES SUCH AS THE SEPTIC TANK, D-BOX;
 - 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 PERIMETER; AND
 - ALL HORIZONTAL SET-BACKS, INCLUDING FROM THE BUILDING AND ANY WELLS ON-SITE OR ON ADJUTING LOTS.
 - 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
 - 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.
 - 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.
 - 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 OWS 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.
 - THE CERTIFICATE OF CONSTRUCTION SHALL BE SUBMITTED TO THE DIRECTOR AFTER THE OWS, 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.
 - IN ADDITION TO THE CERTIFICATION IN RULE 43, ABOVE, THE CERTIFICATE OF CONSTRUCTION SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING:
 - NAME AND LICENSE NUMBER OF THE DESIGNER;
 - NAME AND LICENSE NUMBER OF THE INSTALLER;
 - DISTANCES FROM TWO BUILDING FOUNDATION CORNERS TO THE SEPTIC TANK MANHOLE, TO THE DISTRIBUTION BOX, AND TO THE LEACH FIELD CORNERS.
 - THE DESIGNER IS NOT RESPONSIBLE FOR ANY NEGLIGENT ACT OR OMISSION OF A USER OF AN OWS, INCLUDING BUT NOT LIMITED TO, FAILURE TO PROPERLY USE AND MAINTAIN THE SYSTEM, WHICH CAUSES DAMAGE TO THE ISDS.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED DEC 08 2010 FILE # 10-0218
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Matthew Wawel



PROPOSED SEPTIC SYSTEM DESIGN
& DWELLING SITE PLAN
FOR LAND BELONGING TO
KEVIN & MARY ALANE COUGHLIN
LAND SITUATED @ MAQUIRE PLACE, ALSO KNOWN AS
ASSESSOR'S PLAT 19/ BLOCK 10 / LOT 31
SITUATED IN THE TOWN OF
EXETER, RHODE ISLAND
DATE: SEPT. 17, 2010 SCALE: 1"=40'

PREPARED BY:
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