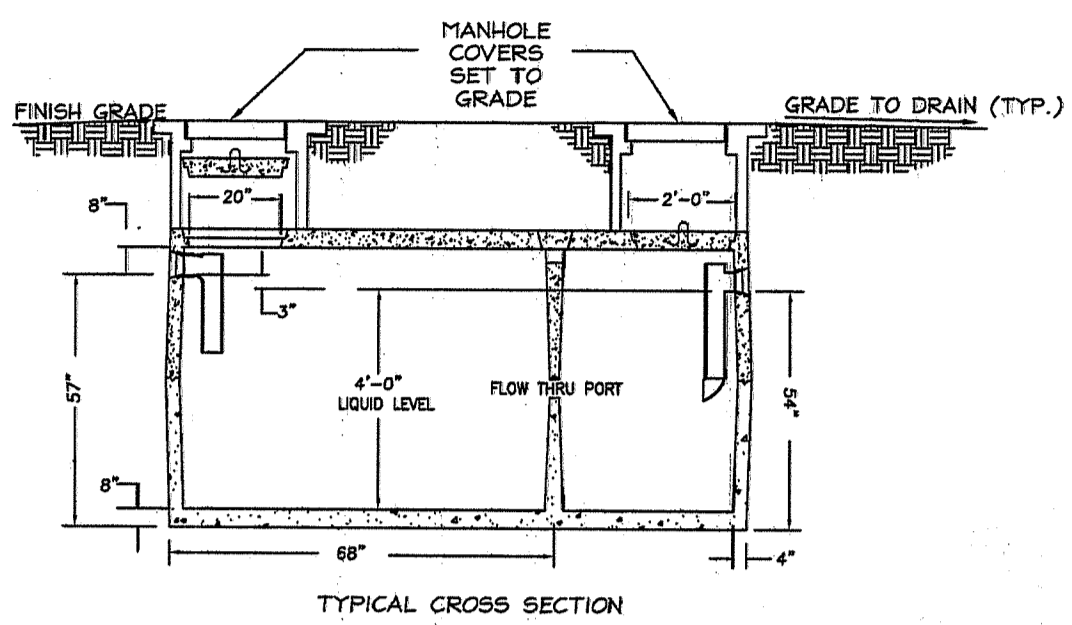
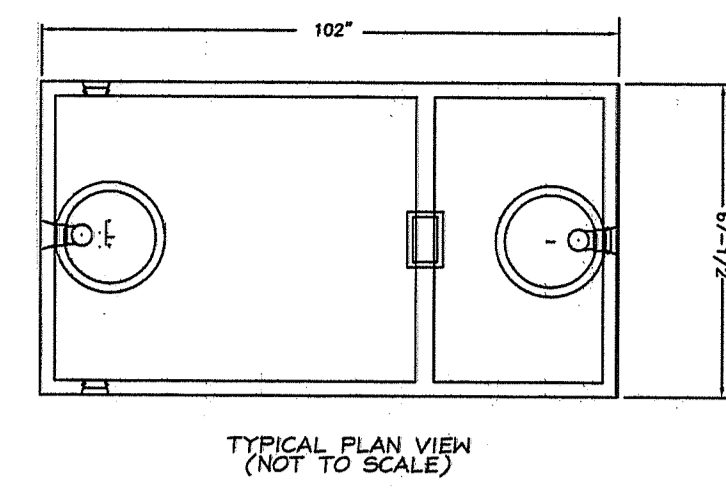


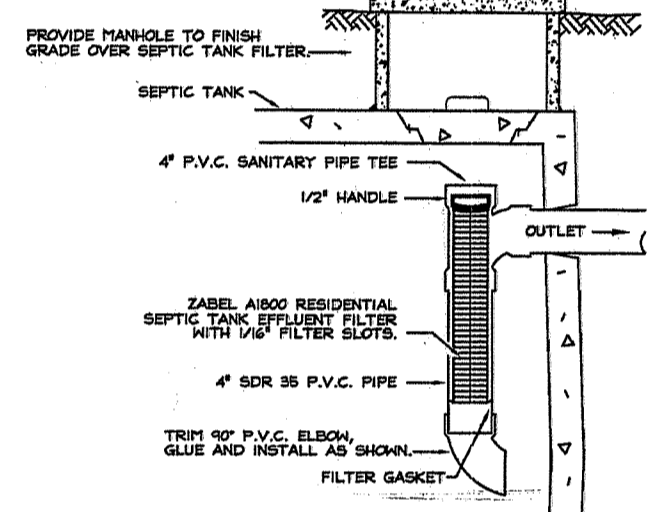
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
OWTS & FRESHWATER WETLANDS
JOINT PERMIT APPROVAL

OWTS# 2022-0220 FWW# 20-0177

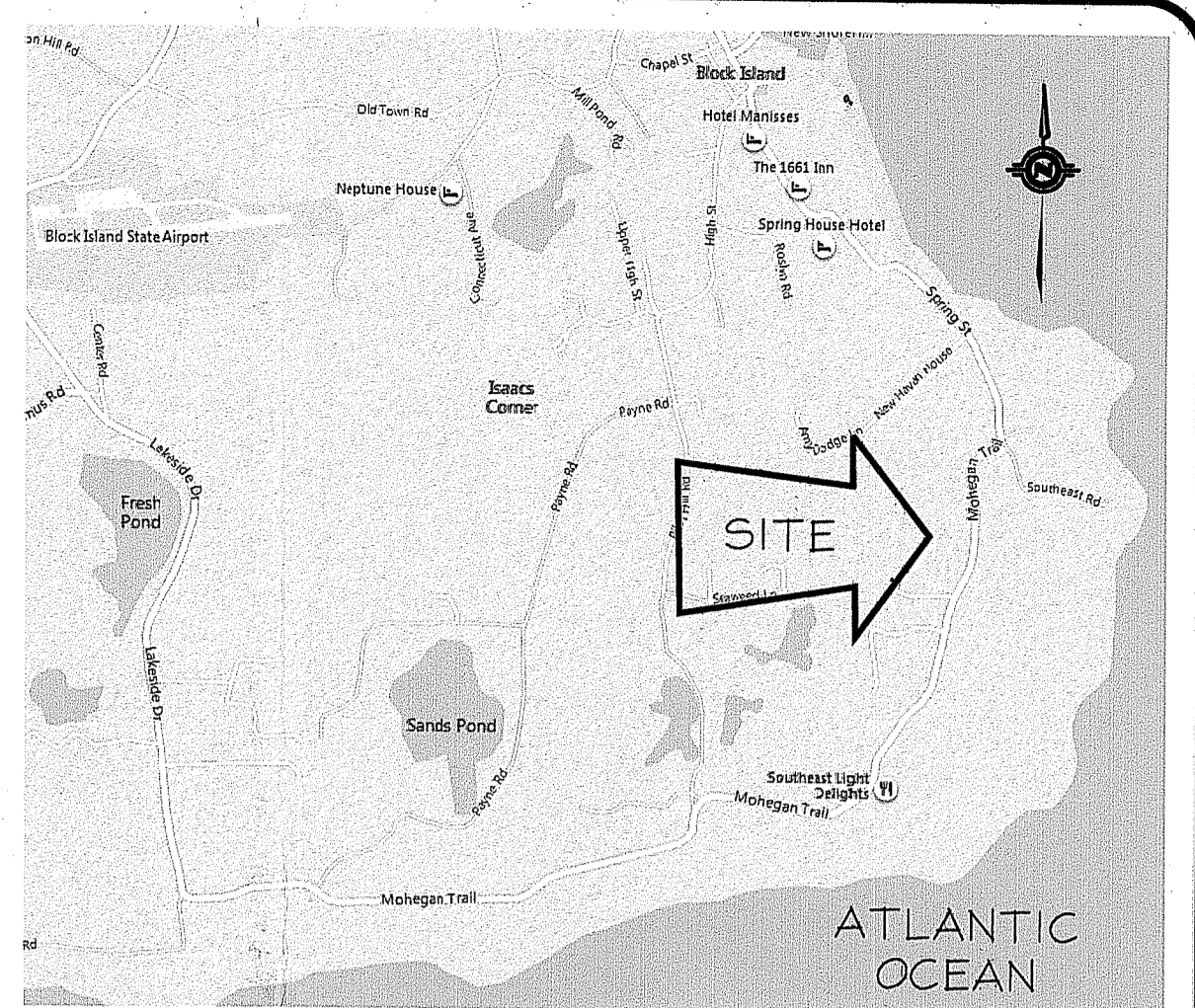
APPROVED: [Signature] DATE: 08/20/20
No Changes Allowed Without RIDEM Approval
Approved Plans/Permit Must Be Kept at Construction Site



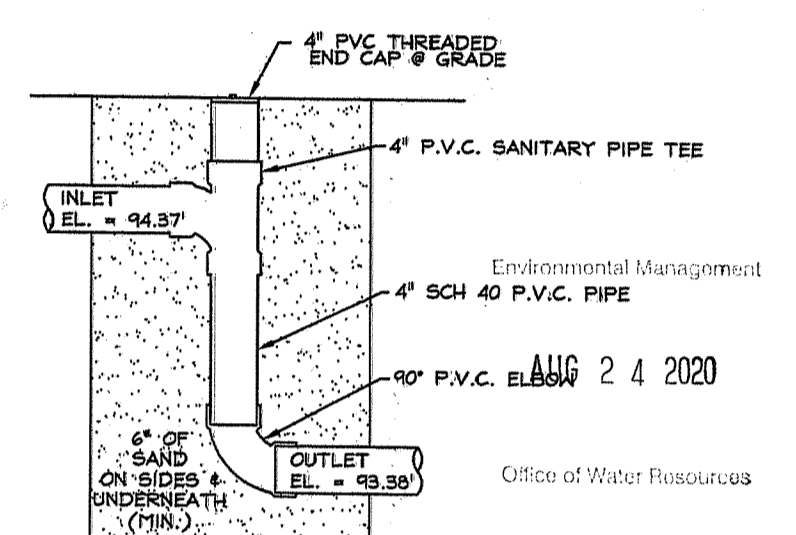
TYPICAL DUAL COMPARTMENT 1,000 GAL. SEPTIC TANK
NOT TO SCALE



ZABEL SEPTIC TANK FILTER
CROSS SECTION



LOCUS MAP



DROP TEE W/ CLEANOUT DETAIL
N.T.S.

LEGEND

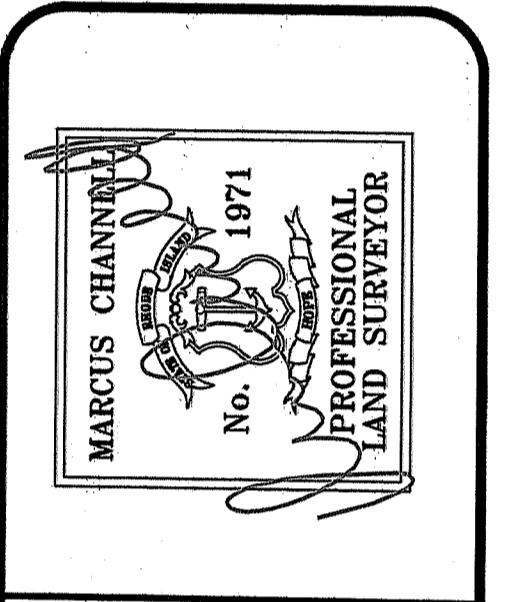
- STONE BOUND FOUND
- STONE BOUND DRILLHOLE FOUND
- IRON ROD FOUND
- UTILITY POLE
- WATER SHUTOFF
- DRILLHOLE FOUND
- CESSEPOOL/SEPTIC TANK LID
- WELL
- STONE WALL
- PROPERTY LINE
- APPROX. PROPERTY LINE
- PROP. SILT FENCE
- CONTOUR (ASSUMED DATUM)
- EXISTING WATERLINE
- EXISTING ELECTRICLINE
- EXISTING TREELINE
- SOIL EVALUATION

OWTS GENERAL NOTES:

1. THE PROPERTY "IS NOT" SUBJECT TO RHODE ISLAND COASTAL RESOURCES MANAGEMENT COUNCIL REVIEW.
2. ALL PRIVATE AND PUBLIC DRINKING WATER LINES WITHIN 50 FEET OF THE PROPOSED ONSITE WASTEWATER TREATMENT SYSTEM (OWTS) ARE SHOWN, UNLESS OTHERWISE NOTED ON SITE PLAN.
3. THERE ARE NO PUBLIC SEWERS AVAILABLE TO THE PROPERTY WITHIN 200 FEET UNLESS NOTED ON SITE PLAN.
4. ALL EXISTING AND PROPOSED PRIVATE DRINKING WATER WELLS, 1/2 OR THERE RADI, ARE SHOWN WITHIN 200' OF THE PROPOSED OWTS COMPONENTS SHOWN ON THIS PLAN.
5. ALL EXISTING AND PROPOSED WELLS SERVING NON-POTABLE USES WITHIN 100 FEET OF THE OWTS ARE SHOWN, UNLESS OTHERWISE NOTED ON THE SITE PLAN.
6. ALL EXISTING AND PROPOSED PUBLIC DRINKING WATER WELLS WITHIN 500 FEET OF THE PROPOSED OWTS ARE SHOWN, UNLESS OTHERWISE NOTED ON THE SITE PLAN. THE CONSTRUCTION DETERMINATION OF SAID WELLS IS IDENTIFIED ON THE SITE PLAN, UNLESS OTHERWISE NOTED.
7. ALL WATERCOURSES, WETLANDS, AND DRAINS WITHIN 200 FEET OF THE PROPOSED OWTS ARE SHOWN, UNLESS OTHERWISE NOTED ON SITE PLAN.
8. ALL STORM AND SUBSURFACE DRAINS WITHIN 200 FEET OF THE PROPOSED OWTS ARE SHOWN, UNLESS OTHERWISE NOTED ON SITE PLAN. THE ULTIMATE DISCHARGE OF SAID DRAINS ARE IDENTIFIED ON THE SITE PLANS.
9. THE OWTS "IS NOT" LOCATED WITHIN THE WATERSHED OF A PUBLIC WATER SUPPLY OR OTHER CRITICAL RESOURCE AREA.
10. ALL EXISTING OWTS ON ADJUTING PROPERTIES WITHIN 200 FEET OF A PROPOSED WELL TO SERVICE THE SUBJECT PROPERTY ARE IDENTIFIED ON THE SITE PLAN, UNLESS OTHERWISE NOTED.
11. THE SUBJECT PROPERTY "IS NOT" LOCATED WITHIN AN IDENTIFIED FLOOD ZONE.
12. IF A PROPOSED WELL IS REQUIRED TO SERVICE THE WATER REQUIREMENTS FOR THE SUBJECT PROPERTY, SAID WELL "DOES NOT" REQUIRE A VARIANCE FROM RIDEM'S RULES AND REGULATIONS GOVERNING THE ENFORCEMENT OF CHAPTER 46-19.2 RELATING TO THE DRILLING OF DRINKING WATER WELLS".
13. CONFORMED OWTS DESIGN DATA FROM APP.#9622-3034 (BASED ON RULES IN PLACE IN 1996).
 - 4 BEDROOM DESIGN - 150 GALLONS PER BEDROOM - TOTAL DESIGN FLOW = 600 GPD
 - BASED ON THE TEST HOLE(S), THE MOST RESTRICTIVE SOIL DESIGN CATEGORY WAS 15 MPI.
 - TOTAL REQUIRED LEACHING AREA = 760.00 SQUARE FEET
 - TOTAL PROVIDED LEACHING AREA = 816.00 SQUARE FEET
 - LEACHFIELD: 27' W X 32' L (4) TRENCHES.
14. OWTS GENERAL CONSTRUCTION NOTES:
 - ALL PIPING SHALL BE 4" PVC SCH 40 OR EQUIVALENT, UNLESS OTHERWISE NOTED
 - ALL PIPE SLOPES SHALL BE A MINIMUM OF 1% AND A MAXIMUM OF 5%, REFER TO THE PROFILE
 - THE SEPTIC TANK SHALL BE A CONCRETE TANK WITH THE CAPACITY AS STATED ON THE SITE PLAN
 - THE SEPTIC TANK INLET SHALL EXTEND 1' BELOW THE FLOW LINE AND THE OUTLET TEE SHALL EXTEND 1/3 THE DEPTH BELOW THE FLOW LINE.
 - THE SEPTIC TANK SHALL BE FITTED WITH TWO ACCESS MANHOLE RISERS NOT LESS THAN 20"
 - THE D-BOX, IF REQUIRED, SHALL HAVE A MINIMUM OF 3 SQUARE FEET OF BOTTOM AREA AND BE CAPABLE OF CARRYING A MINIMUM 300 PSF LOAD WITH MINIMAL SIDEWALL DEFLECTION.
 - LEACHFIELD STONE, IF USED, SHALL BE 3/4" TO 2" DOUBLE WASHED STONE, FREE OF ALL DEBRIS.
 - SURFACE GRADES WITHIN 10 FEET OF THE LEACHFIELD SHALL NOT BE LOWER THAN ELEVATION 93.00'. AT THE 10 FEET DISTANCE FROM THE LEACHFIELD, THE SLOPE SHALL BE A MINIMUM OF 3% TO MATCH INTO EXISTING GRADES.
 - REFER TO THE SITE PLAN FOR LEACHFIELD STRIP REQUIREMENTS.
 - THE FINISH GRADE OVER THE SEPTIC TANK SHALL BE GRADED TO DIVERT SURFACE WATER RUNOFF AWAY FROM THE TANK.
 - IF A DRIVEWAY OR PAVEMENT IS TO BE LOCATED NEAR THE PROPOSED OWTS, A FENCE OR CURBING SHALL BE INSTALLED AROUND THE SYSTEM IN THE AREA OF THE PAVEMENT TO PREVENT VEHICULAR TRAFFIC FROM DRIVING ONTO THE SYSTEM.
 - CONTRACTOR TO OBSERVE & CONFIRM ALL EXISTING PLUMBING INSIDE THE DWELLING WILL BE TIED INTO ALL EXISTING PLUMBING EXITS THE BUILDING(S), SHOWN ON THIS PLAN, PRIOR TO INSTALLING ANY OWTS COMPONENTS. NEW PLUMBING, INSIDE THE BUILDING(S) SHOWN ON THIS PLAN, MAY BE REQUIRED AS PART OF THIS OWTS INSTALLATION.
15. THIS PLAN CONFORMS TO A CLASS "III" PROPERTY LINE & A CLASS "III" TOPOGRAPHY AS ADOPTED BY THE RI BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS. THIS SURVEY IS NOT VALID FOR ANY OTHER PURPOSE, OTHER THAN SHOWN ON THIS PLAN, WITHOUT WRITTEN CONSENT.
16. GENERAL OWNER NOTES:
 - FOOD/GARBAGE GRINDERS INSIDE DWELLING AND DISPOSAL OF GREASES, OILS, AND OR FATS ARE PROHIBITED.
 - VEHICLE PARKING OR TRAFFIC OVER THE OWTS COMPONENTS IS PROHIBITED.
 - BACKWASH WATER FROM A WATER TREATMENT SYSTEM WAS NOT TAKEN INTO CONSIDERATION WITH THE DESIGN OF THIS OWTS. WATER TREATMENT SYSTEM DISCHARGE TO THIS OWTS IS PROHIBITED.
 - THE SEPTIC TANK SHALL BE PUMPED WHEN DEEMED NECESSARY BY OPERATIONS & MAINTENANCE PERSONNEL OR LICENSED SEPTIC INSPECTOR.
17. INSTALLER TO PROVIDE DESIGNER W/ ALL COPIES OF MATERIALS PURCHASED & USED ON INSTALLING THIS OWTS PRIOR TO ISSUANCE OF CERTIFICATE OF CONSTRUCTION.
18. THERE ARE NO EXISTING OR PROPOSED SUBSURFACE DRAINS WITHIN 25' OF THE PROPOSED OWTS COMPONENTS SHOWN ON THIS PLAN. PER NEW SHOREHAM BUILDING DEPARTMENT, THE PROJECT DOES NOT REQUIRE STORMWATER MANAGEMENT PRACTICES, THEREFORE NO PROPOSED STORMWATER IS SHOWN ON THIS PLAN.
19. A 4 BEDROOM OWTS WAS CONFORMED ON THIS PROPERTY UNDER APP.# 9622-3034. ONLY 3 BEDROOMS WERE CONSTRUCTED IN THE EXISTING BUILDING ON THE PROPERTY. THE PROPOSED BUILDING SEEKS TO ADD THE 4TH BEDROOM THAT WAS NEVER CONSTRUCTED. THE PRESENT OWTS WAS ADEQUATELY SIZED, TO HANDLE 4 BEDROOM DAILY FLOW.

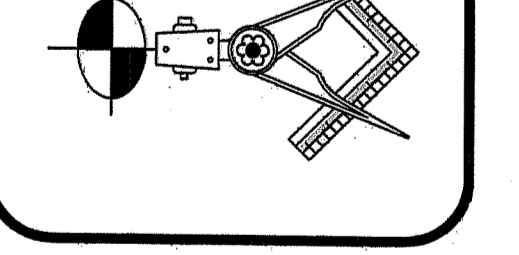
ONSITE WASTEWATER TREATMENT SYSTEM ALTERATION DESIGN

A.P. 8, LOT 139
1666 OFF SOUTHEAST
NEW SHOREHAM, RHODE ISLAND
Prepared For:
TRICIA FOLEY



ATLAS LAND SURVEYING, LLC
PROPERTY & CONSTRUCTION SURVEYING & MAPPING

91 Parkway Drive ~ Warwick, RI 02886
401-737-4407
WWW.ATLASLANDSURVEYING.COM



REVISION:

DATE: JULY 2020
DRAWN BY: KRC
SCALE: 1" = 30'

SHEET
1
OF 1 SHEETS 1

JOB NO. FOLEY
DWG. NO. FOLEY-OWTS