



NOTES & SPECIFICATIONS:

- THE REQUIRED INSPECTION SCHEDULE DURING THE PROCESS OF CONSTRUCTION SHALL BE ARRANGED BY THE CONTRACTOR WITH THE BOARD OF HEALTH AND DESIGN ENGINEER PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- 1500 GALLON SEPTIC TANK AND 5 OUTLET DISTRIBUTION BOX SHALL BE STANDARD DUTY DESIGN AS MANUFACTURED BY A. ROTOND & SONS, INC. OR APPROVED EQUAL.
- ALL PIPING SHALL BE 4" DIA. SCHD. 40 NSF PVC WITH ALL JOINTS SEALED WATERTIGHT.
- ALL STONE SHALL BE DOUBLE WASHED AND FREE OF IRONS, CLAY OR FINES AND SHALL BE SATISFACTORY TO THE TOWN OF SEERONK BOARD OF HEALTH.
- THIS SYSTEM IS NOT DESIGNED TO ACCOMMODATE A GARABGE DISPOSAL OR OTHER HIGH WATER USE LIMITS.
- THE PROPOSED SEPTIC SYSTEM IS NOT LOCATED WITHIN THE CONE OF INFLUENCE OF ANY MUNICIPAL WELL NOR ARE THERE ANY PRIVATE WELLS LOCATED WITHIN 100 FEET (RADIALITY) OF THE PROPOSED SYSTEM.
- EXCAVATE ALL TOP SOIL AND ANY OTHER SOILS ENCOUNTERED DOWN INTO THE "C" SAND LAYER ELEV. 29.0 (6" MINIMUM) FOR A HORIZONTAL DISTANCE OF 5' ON ALL SIDES OF THE PROPOSED SYSTEM. BACKFILL TO ELEVATION + 32.2 WITH SELECT ON-SITE OR IMPORTED SOIL MATERIAL CONSISTING OF CLEAN GRANULAR SAND, FREE OF ORGANIC MATTER OR OTHER DELETERIOUS SUBSTANCES AND MEETING THE SIEVE SIZE REQUIREMENTS OF 30 GPH (20/100) & (3) (CONSTRUCTION IN FILL).
- CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO THE CONTINUATION OF CONSTRUCTION.
- WATER TABLE FLUCTUATES ANNUALLY. NO WARRANTY OF A DRY BASEMENT IS EXPRESSED OR IMPLIED.
- THE LOT DOES NOT LIE IN A FLOOD HAZARD ZONE.
- ELEVATIONS SHOWN ON THIS PLAN ARE BASED ON NAVD 1929 DATUM.
- PARCEL SHOWN IS NOT LOCATED IN TOWN OF SEERONK ADJUFER PROTECTION DISTRICT.
- UTILITIES SHOWN ARE AS-BUILT UNLESS OTHERWISE NOTED.
- THE LOT LIES IN A 3 ZONING DISTRICT AND IS IN A CLUSTER DEVELOPMENT.
- REAR YARD SETBACK: =10'
- CERTIFY THAT THE PROPOSED WATER SERVICE SHOWN ON THIS PLAN IS IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE SEERONK WATER DISTRICT.
- WETLAND DELINEATION BY ECOSYSTEM SOLUTIONS, INC.
- OWNERS: NAJAS REALTY LLC, 111 MILES AVENUE, EAST PROVIDENCE R.I. 02916
- TITLE REFERENCE: DEED BOOK 1852 PAGE 79

DESIGN CALCULATIONS

AVERAGE DAILY SEWAGE FLOW (GALLONS PER DAY)
PROPOSED 3 BEDROOM DWELLING @ 110 GPD PER BEDROOM = 330 GPD

SEPTIC TANK SIZING (GALLONS)
200% AVERAGE DAILY FLOW = 2,230 - 440 GALLONS
3 BEDROOM HOME REQUIRES 1500 GALLON TANK (MINIMUM)

LEACHING AREA CALCULATION
PERM RATE IN TP 29 WAS LESS THAN 2 MPH
PERM RATE IN TP 23 WAS LESS THAN 2MPH
DESIGN FOR 3 MPH PER TITLE V.

REQUIRED MINIMUM LEACHING AREA:
APF = 330 GPD / 0.74 GPD / SF = 444 SF MINIMUM
TRY LEACHING FIELD 20' WIDE AND 23' LONG
DESIGN = 460 SF * REQUIRED = 444 SF OK
(RESERVE AREA = 20' x 23' = 460 S.F.)

DEEP OBSERVATION HOLE LOG

Depth	Soil	Soil Texture	Soil Color	Soil Moisture	Soil Structure	Other
0-12"	SANDY LOAM	SIENSI	7Z/2N10B	LOOSE	FRAGILE	GROUNDWATER (SEERONK)
12-24"	SANDY LOAM	SIENSI	7Z/2N10B	LOOSE	FRAGILE	
24-36"	SANDY LOAM	SIENSI	7Z/2N10B	LOOSE	FRAGILE	
36-48"	MEDIUM COARSE SAND	2SNI2S	7Z/2N10B	LOOSE	FRAGILE	
48-60"	MEDIUM COARSE SAND	2SNI2S	7Z/2N10B	LOOSE	FRAGILE	
60-72"	MEDIUM COARSE SAND	2SNI2S	7Z/2N10B	LOOSE	FRAGILE	
72-84"	MEDIUM COARSE SAND	2SNI2S	7Z/2N10B	LOOSE	FRAGILE	
84-96"	MEDIUM COARSE SAND	2SNI2S	7Z/2N10B	LOOSE	FRAGILE	
96-108"	MEDIUM COARSE SAND	2SNI2S	7Z/2N10B	LOOSE	FRAGILE	
108-120"	MEDIUM COARSE SAND	2SNI2S	7Z/2N10B	LOOSE	FRAGILE	

SOIL EVALUATION & PERC RESULTS

PERC TEST RESULTS

Depth to Ground Water (ft)	1792	1793	1794	1795	1796
1792	5.9	6	6	6	6
1793	5.9	6	6	6	6
1794	5.9	6	6	6	6
1795	5.9	6	6	6	6
1796	5.9	6	6	6	6

PERCOLATION TEST

Soil	Percolation Rate (in/hr)	Soil	Percolation Rate (in/hr)
SANDY LOAM	1.18	SANDY LOAM	1.18
MEDIUM COARSE SAND	<0.01	MEDIUM COARSE SAND	<0.01
MEDIUM COARSE SAND	<2	MEDIUM COARSE SAND	<2

COMMON TESTINGS NEEDED:

PERM TESTING NEEDED: NO

ANNSITE ENGINEERING SERVICES, LLC

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SHEET 1 OF 1