

GENERAL NOTES:

1. ALL CONSTRUCTION SHALL CONFORM TO THE TOWN OF SEEKONK BOARD OF HEALTH RULES AND REGULATIONS AND TITLE 5, THE STATE ENVIRONMENTAL CODE.
2. THIS PLAN IS TO BE USED FOR THE CONSTRUCTION OF THE DESIGN DISPOSAL SYSTEM. THIS PLAN DOES NOT REPRESENT ACTUAL AS BUILT CONDITIONS UNLESS OTHERWISE NOTED.
3. THE PROPOSED SYSTEM SHOWN HEREIN IS NOT DESIGNED FOR THE USE OF A GARBAGE DISPOSAL AND SAID USE IS NOT ALLOWED.
4. THE SEPTIC TANK SHOULD BE PUMPED OUT EVERY ONE TO TWO YEARS DEPENDING ON USE.
5. ALL BASE AGGREGATE FOR LEACHING STRUCTURES SHALL CONSIST OF 3/4" TO 1 1/2" DOUBLE WASHED STONE FREE OF IRON, FINES, AND JUST IN PLACE.
6. TIGHT JOINT PIPING TO CONSIST OF POLYVINYL CHLORIDE PIPE (PVC) SCHEDULE 40, UNLESS OTHERWISE NOTED.
7. NO PERMANENT STRUCTURE MAY BE CONSTRUCTED OVER THE SEPTIC SYSTEM AREA.
8. BEFORE BEGINNING ANY EXCAVATION OR DEMOLITION CALL 'DIG SAFE' AT 1-888-344-7233 TO NOTIFY MEMBER UTILITIES.
9. THE GRADE ABOVE AND ADJACENT TO THE LEACHING FACILITY SHALL BE SLOPED TO PREVENT THE ACCUMULATION OF SURFACE DRAINAGE (2% MINIMUM SLOPE).
10. THE OVER-DIG AREA (OD) AS SHOWN HEREIN IS TO BE STRIPPED OF ALL TREES, BRUSH, STUMPS, TOPSOIL, PEAT, OR OTHER IMPERVIOUS MATERIALS. THE (OD) AREA EXTENDS 5 FEET HORIZONTALLY AROUND THE PROPOSED SYSTEM AND TO THE DEPTH SPECIFIED. THE REPLACEMENT MATERIAL SHALL MEET SPECIFICATIONS OF 310 CMR 15.255 OF THE STATE ENVIRONMENTAL CODE.
11. ANY SOILS ASSOCIATED WITH EXISTING FAILED LEACHING FACILITIES SHALL BE REMOVED AND REPLACED WITH MATERIAL MEETING SPECIFICATIONS OF 310 CMR 15.255 OF THE STATE ENVIRONMENTAL CODE.
12. THERE SHALL BE NO BACK FILLING PRIOR TO ENGINEERING AND BOARD OF HEALTH INSPECTION AND APPROVAL.
13. INSPECTION PORT TO BE 4" DIAMETER WITH SCREW TYPE CAP INSTALLED TO WITHIN 3" OF FINAL GRADE.
14. ALL SYSTEM COMPONENTS SHALL BE MARKED WITH MAGNETIC MARKING TAPE OR A COMPARABLE MEANS IN ORDER TO LOCATE THEM ONCE BURIED.
15. THE FINISHED GRADE OVER SEPTIC SYSTEM SHALL BE GRADED, LOADED, AND SEEDED.

PLAN REFERENCE:
 TITLE: ABBREVIATED NOTICE OF RESOURCE AREA DELINEATION
 DATE: AUGUST 31, 2009
 REVISED: JANUARY 8, 2010
 PREPARED BY: INSITE ENGINEERING SERVICES, LLC

THERE ARE NO WELL WITHIN 200' OF THE PROPOSED LEACHING FACILITY AND NO LEACHING FACILITIES WITHIN 200' OF THE PROPOSED WELL, OTHER THAN THOSE SHOWN.

DESIGN CALCULATIONS

FLOW: SIZE FOR 3 BEDROOMS
 $Q = 1.5 \text{ gpd/bd} \times 3 \text{ bd} = 4.5 \text{ gpd}$

SEPTIC TANK HS-10
 NEW 1500 GAL TANK > 660

LEACHING FIELD
 RATE = $1.74 \text{ sf/gpd PER FRC} = 2 \text{ INCH CLASS I}$
 MINIMUM SIZE = $430 \text{ gpd} / (1.74 \text{ sf/gpd}) = 247 \text{ sf}$
 USE LEACHING FIELD $16' \times 28' = 448 \text{ sf}$

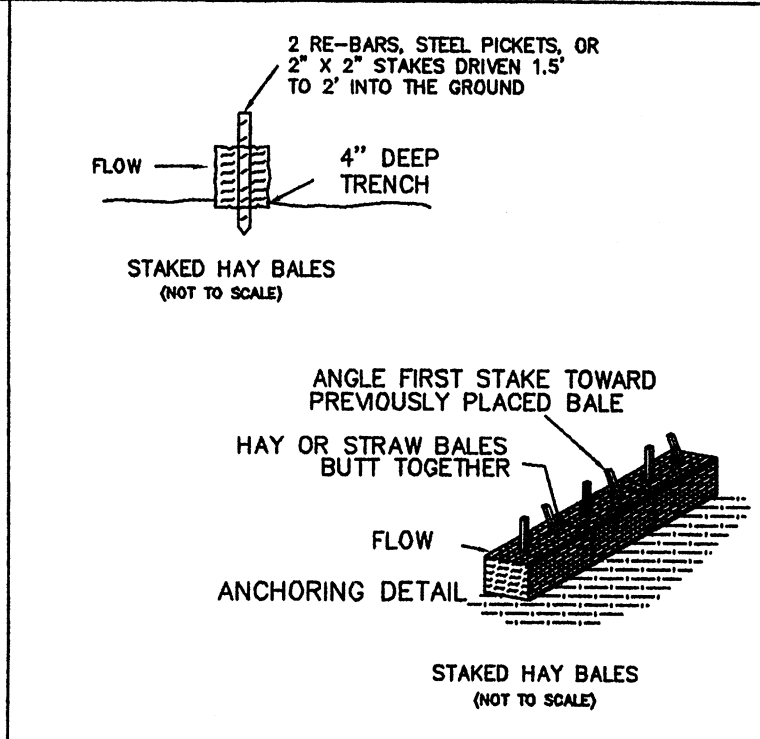
PUMP CHAMBER: HS-10
 CHAMBER CAPACITY: 1000 GAL
 USE A 47 GAL DOSE 453 GAL
 BACK FLOW/INCH GAL TOTAL DOSE
 DEPTH OF DOSE: 0.42"
 RESERVE VOLUME REQUIRED = 930 GAL
 DEPTH OF RESERVE VOLUME REQUIRED = 1.38"

LEGEND

TEST PIT	TP10A	EXISTING CONTOUR	49
DISTRIBUTION BOX	DB	PROPOSED CONTOUR	103
SEPTIC TANK	ST	PROPOSED SPOT GRADE	04.25
WATER LINE	W	EDGE OF LOT/LAND	NRS-A8
UTILITY LINES	U	FLAG	
WELL SET BACK		INNER RIPARIAN ZONE	
WELL		200' RIVER FRONT	
SPLIT RAIL FENCE		50' LOCAL YARD SETBACK	
CONSTRUCTION FENCE		100' BUFFER ZONE	
STAKED HAY BALES		100' BUFFER ZONE	
SILT FENCE			

TEST PIT LOG

TEST PIT #	DATE EXCAVATED	LOGGED BY	DESIGN PERIOD
TEST PIT # 3	9/22/05	DEAN MONISES	4/8/07
TEST PIT # 4	9/22/05	DEAN MONISES	4/8/07
TEST PIT # 10	11/8/07	DEAN MONISES	4/8/07
TEST PIT # 10A	4/8/07	DEAN MONISES	4/8/07



- EROSION & SEDIMENTATION CONTROL**
1. ALL PERMETER EROSION AND SEDIMENTATION CONTROLS MUST BE INSTALLED PRIOR TO THE COMMENCEMENT OF EARTHWORK.
 2. HAY BALES ARE TO BE INSTALLED IN ACCORDANCE WITH THE DETAILS PROVIDED.
 3. NO WORK IS TO OCCUR ON THE WETLAND SIDE OF THE PERMETER EROSION AND SEDIMENTATION CONTROLS OTHER THAN THAT SPECIFIED FOR MITIGATION. ALL PERMETER CONTROLS SERVE AS THE PROTECTIVE LIMIT OF DISTURBANCE.
 4. NO STONES, BRUSH, CONSTRUCTION DEBRIS, LITTER, OR OTHER MATERIALS ARE TO BE DEPOSITED ON THE WETLAND SIDE OF THE EROSION AND SEDIMENTATION CONTROLS.
 5. ALL DISTURBED SOILS NOT DESIGNATED FOR OTHER SURFACE TREATMENT ARE TO BE LOADED AND SEEDED IMMEDIATELY FOLLOWING FINAL GRADING.
 6. ALL EXPOSED SOILS SHALL BE PROTECTED WITH STRAW MULCH (OR EQUIVALENT) IMMEDIATELY AFTER SEEDING.
 7. APPROPRIATE PRECAUTIONS SHOULD BE TAKEN TO PREVENT THE TRANSPORT OF SOIL OFF SITE FROM CONSTRUCTION EQUIPMENT.
 8. ALL PERMETER EROSION AND SEDIMENTATION CONTROLS MUST BE PROPERLY MAINTAINED AND MUST REMAIN IN PLACE UNTIL THE SOILS HAVE BEEN STABILIZED TO THE SATISFACTION OF THE SEEKONK CONSERVATION COMMISSION.
 9. ALL PERMETER EROSION AND SEDIMENTATION CONTROLS, STAKED HAY BALES, ARE TO SERVE AS THE LIMIT OF DISTURBANCE.

SITE EVALUATION AND SEWAGE DISPOSAL SYSTEM PLAN

AP LOT 162
 LOT ADDRESS 490 MILLER STREET
 SEEKONK, MA 02771

DESIGNED BY: INS
 DATE: 7/28/11

45 ASTRAL AVENUE
 RIVERSIDE, NJ 08095
 (609) 465-9264

