

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Dept. Health & Human Services
 Division of Health Engineering, 10 SHS
 (207) 287-5672 Fax: (207) 287-3165

Note: This is not an agreement to create a boundary. Minimum 2 acres. Call 1/15/10.5. 12/4/08.

PROPERTY LOCATION		>> CAUTION: PERMIT REQUIRED - ATTACH IN SPACE BELOW <<	
City, Town, or Plantation	<u>AUGUSTA</u>	AUGUSTA PERMIT # <u>6259 TOWN COPY</u> Date Permit Issued: <u>12/28/08</u> <input type="checkbox"/> Double Fee Charged Local Plumbing Inspector Signature: <u>[Signature]</u> L.P.I. # <u>10990</u>	
Street or Road	<u>DIVIDED LANE</u>		
Subdivision, Lot #			
OWNER/APPLICANT INFORMATION			
Name (last, first, MI)	<u>STOVER, SCOTT</u> <input type="checkbox"/> Owner <input type="checkbox"/> Applicant		
Mailing Address of Owner/Applicant	<u>PO BOX 493 GARDINER ME 04345</u>		
Daytime Tel. #	<u>446-8850</u>	Municipal Tax Map # <u>12</u> Lot # <u>21</u> RPDS	
OWNER OR APPLICANT STATEMENT		CAUTION: INSPECTION REQUIRED	
I state and acknowledge that the information submitted is correct to the best of my knowledge and understand that any falsification is reason for the Department and/or Local Plumbing Inspector to deny a Permit.		I have inspected the installation authorized above and found it to be in compliance with the Subsurface Wastewater Disposal Rules Application.	
Signature of Owner or Applicant: <u>[Signature]</u> Date: _____		Local Plumbing Inspector Signature: _____ (1st) date approved: _____	

PERMIT INFORMATION		
TYPE OF APPLICATION <input checked="" type="checkbox"/> 1. First Time System <input type="checkbox"/> 2. Replacement System Type replaced: _____ Year installed: _____ <input type="checkbox"/> 3. Expanded System <input type="checkbox"/> a. Minor Expansion <input type="checkbox"/> b. Major Expansion <input type="checkbox"/> 4. Experimental System <input type="checkbox"/> 5. Seasonal Conversion	THIS APPLICATION REQUIRES <input checked="" type="checkbox"/> 1. No Rule Variance <input type="checkbox"/> 2. First Time System Variance <input type="checkbox"/> a. Local Plumbing Inspector Approval <input type="checkbox"/> b. State & Local Plumbing Inspector Approval <input type="checkbox"/> 3. Replacement System Variance <input type="checkbox"/> a. Local Plumbing Inspector Approval <input type="checkbox"/> b. State & Local Plumbing Inspector Approval <input type="checkbox"/> 4. Minimum Lot Size Variance <input type="checkbox"/> 5. Seasonal Conversion Permit	DISPOSAL SYSTEM COMPONENTS <input checked="" type="checkbox"/> 1. Complete Non-engineered System <input type="checkbox"/> 2. Primitive System (graywater & alt. toilet) <input type="checkbox"/> 3. Alternative Toilet, specify: _____ <input type="checkbox"/> 4. Non-engineered Treatment Tank (only) <input type="checkbox"/> 5. Holding Tank, _____ gallons <input type="checkbox"/> 6. Non-engineered Disposal Field (only) <input type="checkbox"/> 7. Separated Laundry System <input type="checkbox"/> 8. Complete Engineered System (2000 gpd or more) <input type="checkbox"/> 9. Engineered Treatment Tank (only) <input type="checkbox"/> 10. Engineered Disposal Field (only) <input type="checkbox"/> 11. Pre-treatment, specify: _____ <input type="checkbox"/> 12. Miscellaneous Components
SIZE OF PROPERTY <u>1 AC</u> <input type="checkbox"/> SQ. FT. <input checked="" type="checkbox"/> ACRES	DISPOSAL SYSTEM TO SERVE <input checked="" type="checkbox"/> 1. Single Family Dwelling Unit, No. of Bedrooms: <u>2</u> <input type="checkbox"/> 2. Multiple Family Dwelling, No. of Units: _____ <input type="checkbox"/> 3. Other: _____ (specify) Current Use <input type="checkbox"/> Seasonal <input type="checkbox"/> Year Round <input checked="" type="checkbox"/> Undeveloped	PROPOSED TYPE OF WATER SUPPLY <input checked="" type="checkbox"/> 1. Drilled Well <input type="checkbox"/> 2. Dug Well <input type="checkbox"/> 3. Private <input type="checkbox"/> 4. Public <input type="checkbox"/> 5. Other

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)			
TREATMENT TANK <input checked="" type="checkbox"/> 1. Concrete <u>WITH FILTER</u> <input type="checkbox"/> a. Regular <input type="checkbox"/> b. Low Profile <input type="checkbox"/> 2. Plastic <input type="checkbox"/> 3. Other: CAPACITY: <u>1000</u> GAL.	DISPOSAL FIELD TYPE & SIZE <input type="checkbox"/> 1. Stone Bed <input type="checkbox"/> 2. Stone Trench <input checked="" type="checkbox"/> 3. Proprietary Device <input type="checkbox"/> a. cluster array <input checked="" type="checkbox"/> b. Linear <input checked="" type="checkbox"/> b. regular load <input type="checkbox"/> d. H-20 load <input type="checkbox"/> 4. Other: SIZE: <u>300</u> x <u>7</u> sq. ft. <input type="checkbox"/> lin. ft.	GARBAGE DISPOSAL UNIT <input checked="" type="checkbox"/> 1. No <input type="checkbox"/> 2. Yes <input type="checkbox"/> 3. Maybe If Yes or Maybe, specify one below: <input type="checkbox"/> a. multi-compartment tank <input type="checkbox"/> b. _____ tanks in series <input type="checkbox"/> c. increase in tank capacity <input type="checkbox"/> d. Filter on Tank Outlet	DESIGN FLOW <u>120</u> LIN. FT <u>180</u> gallons per day BASED ON: <input checked="" type="checkbox"/> 1. Table 501.1 (dwelling unit(s)) <input type="checkbox"/> 2. Table 501.2 (other facilities) SHOW CALCULATIONS for other facilities <u>4 ROWS of 30 GEOFLOW OR 3' ON CENTER GUNIRO-SEPTIC</u> <input type="checkbox"/> 3. Section 503.0 (meter readings) ATTACH WATER METER DATA
SOIL DATA & DESIGN CLASS PROFILE <u>2</u> CONDITION <u>C</u> DESIGN <u>1</u> at Observation Hole # <u>PH-1</u> Depth <u>18"</u> of Most Limiting Soil Factor	DISPOSAL FIELD SIZING <input type="checkbox"/> 1. Small—2.0 sq. ft. / gpd <input type="checkbox"/> 2. Medium—2.6 sq. ft. / gpd <input checked="" type="checkbox"/> 3. Medium—Large 3.3 sq. ft. / gpd <input type="checkbox"/> 4. Large—4.1 sq. ft. / gpd <input type="checkbox"/> 5. Extra Large—3.0 sq. ft. / gpd	EFFLUENT/EJECTOR PUMP <input type="checkbox"/> 1. Not Required <u>DEPENDS ON TANK</u> <input checked="" type="checkbox"/> 2. May Be Required <u>ELEVATION</u> <input type="checkbox"/> 3. Required Specify only for engineered systems: DOSE: _____ gallons	LATITUDE AND LONGITUDE at center of disposal area Lat. <u>44</u> d <u>17</u> m <u>46.8</u> Lon. <u>-69</u> d <u>39</u> m <u>26.5</u> <u>17'</u> if g.p.s. state margin of error.

SITE EVALUATOR STATEMENT	
certify that on <u>8-15-08</u> AND <u>11-1-08</u> (date) I completed a site evaluation on this property and state that the data reported are accurate and that the proposed system is in compliance with the State of Maine Subsurface Wastewater Disposal Rules (10-144A CMR 241).	
<u>David L Studer</u> SE #	<u>275</u> Date <u>11-6-08</u>
DAVID L STUDER, LSE 275 93 SPRAGUE ROAD WASHINGTON ME 04574 207-845-2352 irenic@midcoast.com	
845-2352 irenic@midcoast.com Telephone Number E-mail Address	
in should be confirmed with the Site Evaluator.	

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Department of Human Services
 Division of Health Engineering, Station 10
 (207) 287-5672 Fax: (207) 287-3165

Town, City, Plantation

AUGUSTA

Street, Road, Subdivision

DIVIDED LANE

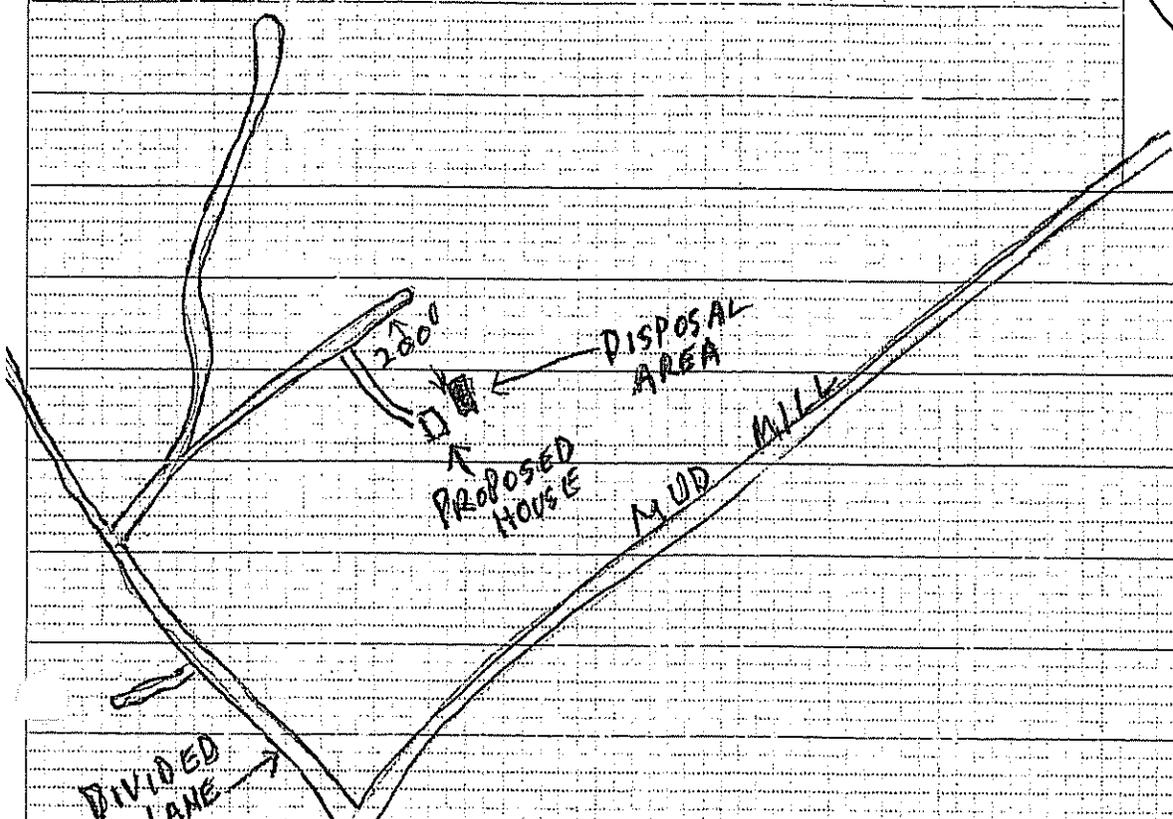
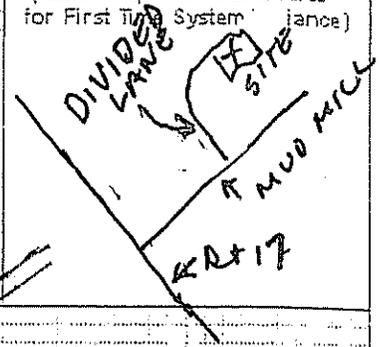
Owner or Applicant Name

SCOTT STOVER

SITE PLAN

Scale: 1" = **400'** ft.

SITE LOCATION MAP
 (Attach map from Maine Atlas
 for First Title System (ance))



SOIL PROFILE DESCRIPTION AND CLASSIFICATION (Location of Observation Holes Shown Above)

Observation Hole # 1 Test Pit Boring

Depth below mineral soil surface (inches)	Depth of organic horizon above mineral soil			
	Texture	Consistency	Color	Mottling
0	LOAMY SAND		DK BRN	
5	LOAM	FRAGILE		
12	STONY GRAVELLY LOAMY SAND		DK YELLOW	
18			OLIVE	COMMON DISCREP
30				FREE WATER
36	LIMIT OF INVESTIGATION			
42				
48				

Observation Hole # Test Pit Boring

Depth below mineral soil surface (inches)	Depth of organic horizon above mineral soil			
	Texture	Consistency	Color	Mottling
0				
5				
12				
18				
24				
30				
36				
42				
48				

Soil Profile: **2** Classification: **C** Slope: **5** Limiting Factor: **18**
 Groundwater Restraint Layer Bedrock

Soil Profile: Classification: Slope: Limiting Factor:
 Groundwater Restraint Layer Bedrock

D. Stover
 Site Validator Signature

275
 SE #

11-6-08
 Date

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AUGUSTA

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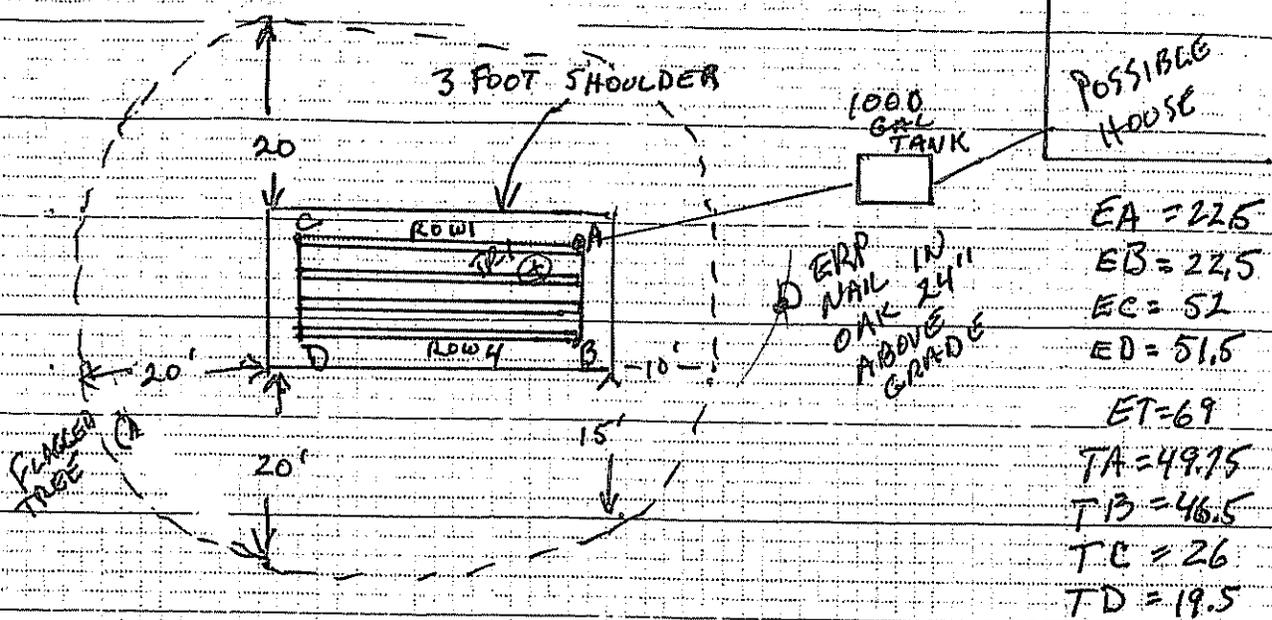
DIVIDED LAKE

Owner or Applicant Name

SCOTT STOVER

SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale: 1" = 20 ft.



4 Rows of 30' LONG GEOFLOW OR ENVIROSEPTIC
 3' ON CENTER 2' BETWEEN ROWS
 10' x 30' DISPOSAL AREA MAY BE
 FED ON ANY CORNER

ORIGINAL ELEVATIONS	DISTURBED ELEVATIONS
A = -37"	A = -57"
B = -31"	B = -51"
C = -43"	C = -69"
D = -43"	D = -64"
TRI = -38"	

BACKFILL REQUIREMENTS

Depth of Backfill (upslope) **38-44"**
 Depth of Backfill (downslope) **51-56"**
 DEPTHS AT CROSS-SECTION (shown below)

CONSTRUCTION ELEVATIONS

Finished Grade Elevation **12" OVER PIPE -13"**
 Top of Distribution Pipe or Proprietary Device **-25"**
 Bottom of Disposal Field **-37"**

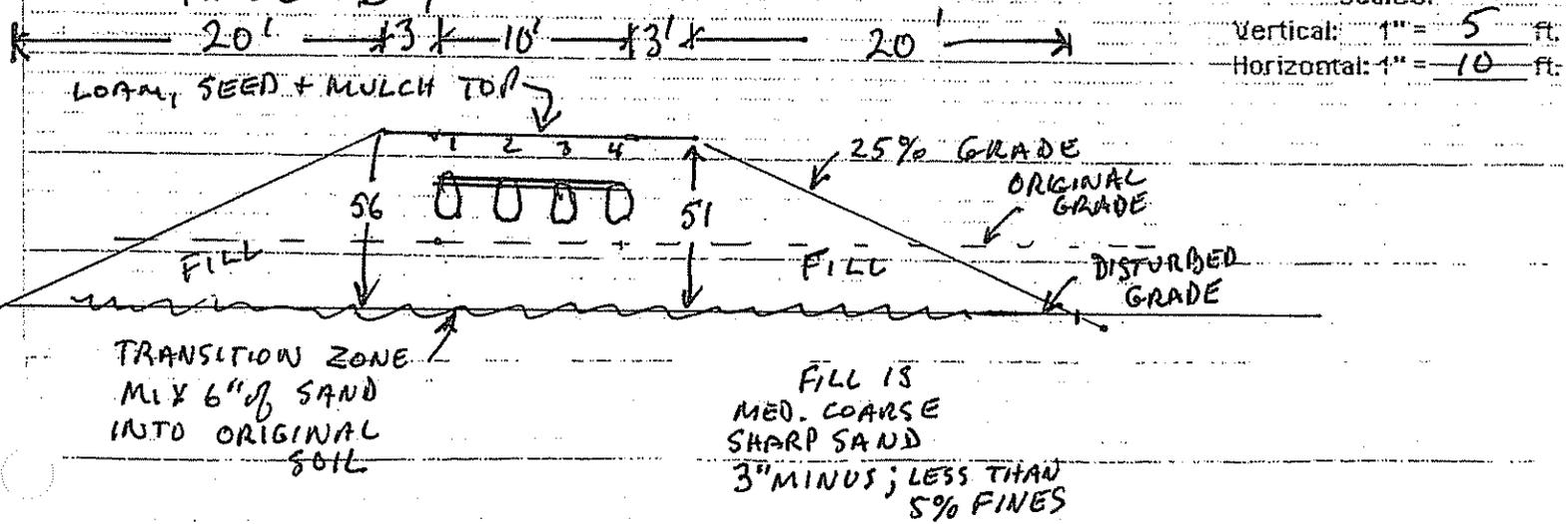
ELEVATION REFERENCE POINT

Location & Description: **NAIL IN OAK**
24" ABOVE GRADE
 Reference Elevation is: 0.0" or:

THRU C → D DISPOSAL FIELD CROSS-SECTION

Scales:

Vertical: 1" = 5 ft.
 Horizontal: 1" = 10 ft.



Handwritten Signature

275

11-6-08

Additional information about your system and HHE-200 Form

1. You should have your septic tank pumped out every 3 years to prolong the life of the system.
2. Water softeners should drain to a separate graywater disposal system.
3. Your septic system must be installed on correct elevations and all joints, etc. must be water tight. This applies to the pump tanks if your system requires pumping. Distribution boxes shall have "Equalizers" installed on the outlets.
4. Low volume toilets and water conservation measures are recommended, even if your design does not require them.
5. All construction shall conform to State of Maine Subsurface Waste Disposal Rules, Chapter 241.
6. Fill shall be loamy medium sharp sand with sufficient fines for compaction. See Rules for backfill specifications. Fill shall be placed in 8-10 lifts. The top 4 inches of cover shall be loam or sandy loam, to assure a good catch of grass.
7. All wells shall be at least 100 feet from leaching field unless a variance is granted or the well is cased to appropriate depth. See rules.
8. Property lines are as provided by the owner. No accuracy is implied. Actual lines must be confirmed by a survey.
9. Installation of tanks shall have a Zabel Model A-1800 or equal on outlet, unless pumping. Install a low profile tank when it is determined to be necessary by field conditions.
10. Force mains, pump stations, and/or gravity piping subject to freezing shall be adequately insulated.
11. Systems shall be provided with adequate erosion control until vegetated cover is established.
12. Remove all vegetation and organic material under the leach field and extensions--
Caution--Avoid compaction of original soil under the leaching field and extensions during construction.
13. The design flow should not be exceeded in any day. Do not install garbage grinders or disposals with this design.
14. The LPI shall inform the owner and designer of any local ordinances or requirements exceeding the rules, prior to issuing the permit, so that the application may be properly amended.
15. GeoFlow pipe and Envio-Septic pipe are considered equal in the rules. and should be installed according to latest mfg. instructions.

SEPTIC SYSTEM USER NOTES

1. This septic system has been designed to meet requirements of the State of Maine Subsurface Waste disposal rules, 10 144A CMR 241. Because site Evaluators are not notified when local ordinances are enacted which exceed state requirements, it is the owner's responsibility to ensure that this system design (HHE-200 form) is in compliance with local ordinances. Contacting your local LPI can do this and asking about local ordinances which differ from those required in the Rules.
2. It is the owner's responsibility to obtain any local, state or federal permit(s) that may be required for the installation of this septic system (work within or adjacent to a wetland may require a state and/or federal permit). Contact the Maine Dept. of Environmental Protection at 289-2111 or the Army Corps of Engineers at 623-8367, if you have any questions.
3. The use of a garbage grinder on a septic system is not recommended and is not part of this design. If a garbage grinder is to be used, additional tank capacity, filters such as the Zabel A-100, and more frequent tank pumping is required.
4. It is recommended that the owner install low volume toilets (1 1/2 gallon or less per flush) and other flow reducing fixtures to minimize water consumption. This should extend the life of the system, all other things being equal.
5. It is the owners responsibility to limit water consumption and wastewater so that the septic system design capacity is not exceeded on any day. Activities which generate large amounts of wastewater should be spread out over several days rather than doing a number of them on a particular day. Excessive use of a system on any day (typically weekends) can cause the system to fail, even if the flow averaged out over the month or week is below design volume.
6. Do not connect roof or floor drains to a septic system. The system is not designed to handle this water and may cause premature failure. Do not dispose of backwash from water softeners or water treatment devices for the same reason.
7. Do not dispose of any hazardous or toxic substances in a septic system, such as paint, paint thinners & solvents, varnishes, photographic solutions, pesticides, insecticides, organic solvents or degreasers, and drain cleaners or openers. Instead of a commercial degreaser or drain opener, use one of the following:
 - a. A plunger or mechanical snake, or
 - b. Pour 1 handful of baking soda and 1/2 cup of white vinegar down the drainpipe and cover for one minute. Repeat as necessary, or
 - c. Pour 1/2-cup salt and 1/2 cup baking soda down the drain followed by 6 cups of boiling water. Let sit several hours or overnight. Then flush with water.
8. Do not dispose of any inert or non-biodegradable substances into your septic system such as disposable diapers, cat box litter, coffee grounds, cigarette filters, sanitary napkins, facial tissues and wet strength paper towels.
9. Do not dispose of large quantities of fats or grease into your septic system unless an external grease trap has been installed for that purpose. Generally, an internal grease trap is inadequate to handle excessive amounts of grease or fat.
10. Do not add any septic tank cleaner or additive to your septic system to improve its function or prolong its useful operating life. This includes yeast, horse manure, or commercial products. No effective product or material is recognized by State authorities and some products may cause your system to fail.
11. Maintain your septic system by regularly having the septic tank pumped. Some biological breakdown of solid and grease occurs in the tank but the rate of accumulation virtually always exceeds the rate of breakdown. If your tank is not pumped often enough, solids and greases may build up to the point where they enter the disposal area. Once this material reaches the disposal area it will clog the soil surface and likely cause premature failure.
12. I recommend having your septic tank pumped or inspected after one year of use. The pumper can advise you how often you need to have the tank pumped based on what he finds at this inspection. Typically a tank is pumped every 2 to 5 years. Adjust the pumping frequency with changes in how you use the system--the more you use the system, the more frequently the tank should be pumped.
13. Divert all surface water away from the septic tank and disposal area. Roof area that contributes runoff water to septic system site should have gutters installed to divert water to another location.

PLEASE- If you have any questions about your system or how to use it call and ask me for advice at 207-845-2352. You can also call the Division of Health Engineering at 207-289-5672.

DAVID STUDER, LSE #275, 93 SPRAGUE RD., WASHINGTON, ME, 04574



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Google

44°17'46.80" N 69°39'26.50" W

2003

Eyoall 25.6m