

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering, 10 SHS
(207) 287-5672 FAX (207) 287-3165

PROPERTY LOCATION		>> Caution: Permit Required - Attach in Space Below <<	
City, Town or Plantation	Harrison	HARRISON PERMIT # 2240 TOWN COPY Date Permit Issued: <u>2/12/08</u> \$ <u>1100</u> <input type="checkbox"/> If Double Fee Charged Local Plumbing Inspector Signature: <u>[Signature]</u> L.P.I. # <u>1049</u>	
Street or Road	(off) Bear Point - Long Lake		
Subdivision, Lot #			
OWNER/APPLICANT INFORMATION			
Name (last, first, MI)	Lord, Stephen <input checked="" type="checkbox"/> Owner <input type="checkbox"/> Applicant		
Mailing Address of Owner / Applicant	c/o A. Davis 18 Bakers Acres Rd. Harrison, ME. 04040		
Daytime Tel. #	f. 207 583 9002	Municipal Tax Map # <u>1</u> Lot # <u>21</u>	

<p>Owner Statement</p> <p>I state 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.</p> <p>Signature of Owner or Applicant: <u>[Signature]</u> Date: <u>2/12/08</u></p>	<p style="text-align: center;">Caution: Inspection Required</p> <p>I have inspected the installation authorized above and found it to be in compliance with the Subsurface Wastewater Disposal Rules Application.</p> <p>Local Plumbing Inspector Signature: <u>[Signature]</u> (1st) Date Approved: <u>6-9-08</u> (2nd) Date Approved: _____</p>
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PERMIT INFORMATION	
<p>TYPE OF APPLICATION</p> <p><input checked="" type="checkbox"/> 1. First Time System <input type="checkbox"/> 2. Replacement System Type Replaced _____ Year Installed _____</p> <p><input type="checkbox"/> 3. Expanded System <input type="checkbox"/> a. Minor Expansion <input type="checkbox"/> b. Major Expansion</p> <p><input type="checkbox"/> 4. Experimental System <input type="checkbox"/> 5. Seasonal Conversion</p>	<p>THIS APPLICATION REQUIRES:</p> <p><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</p> <p><input type="checkbox"/> 3. Replacement System Variance <input type="checkbox"/> a. Local Plumbing Inspector Approval <input type="checkbox"/> b. State & Local Plumbing Inspector Approval</p> <p><input type="checkbox"/> 4. Minimum Lot Size Variance <input type="checkbox"/> 5. Seasonal Conversion Variance</p>
<p>SIZE OF PROPERTY</p> <p>6+/- <input type="checkbox"/> sq. ft. <input checked="" type="checkbox"/> acres</p>	<p>DISPOSAL SYSTEM TO SERVE:</p> <p><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 _____</p> <p>Current Use: <input type="checkbox"/> Seasonal <input type="checkbox"/> Year Round <input checked="" type="checkbox"/> Undeveloped</p>
<p>SHORELAND ZONING</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>DISPOSAL SYSTEM COMPONENT(S)</p> <p><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) <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</p> <p>TYPE OF WATER SUPPLY</p> <p>1. <input checked="" type="checkbox"/> Drilled Well 2. <input type="checkbox"/> Dug Well 3. <input type="checkbox"/> Private 4. <input type="checkbox"/> Public 5. <input type="checkbox"/> Other</p>

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)			
<p>TREATMENT TANK</p> <p><input checked="" type="checkbox"/> 1. Concrete <input checked="" type="checkbox"/> a. Regular <input type="checkbox"/> b. Low Profile <input type="checkbox"/> 2. Plastic <input type="checkbox"/> 3. Other</p> <p>CAPACITY <u>1000</u> gallons (see Standard Notes on pg. 2)</p>	<p>DISPOSAL FIELD TYPE & SIZE</p> <p><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"/> c. linear <input checked="" type="checkbox"/> b. regular load <input type="checkbox"/> d. H-20 load <input type="checkbox"/> 4. Other: _____</p> <p>120 If GeoFlow Tubes SIZE <u>600</u> <input checked="" type="checkbox"/> sq. ft. <input type="checkbox"/> lin. ft.</p>	<p>GARBAGE DISPOSAL UNIT</p> <p><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</p> <p>*see "must read" note on pg 2</p>	<p>DESIGN FLOW</p> <p>180 _____ gallons per day</p> <p>BASED ON: <input checked="" type="checkbox"/> 1. Table 501.1 (dwelling unit(s)) <input type="checkbox"/> 2. Table 501.2 (other facilities)</p> <p>SHOW CALCULATIONS - for other facilities-</p>
<p>SOIL DATA & DESIGN CLASS</p> <p>PROFILE CONDITION DESIGN <u>3 / D / 3</u></p> <p>of Observation Hole, to Depth <u>13</u>" or of Most Limiting Factor.</p>	<p>DISPOSAL AREA SIZING</p> <p><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 - 5.0 sq. ft./gpd</p>	<p>EFFLUENT/EJECTOR PUMP</p> <p><input checked="" type="checkbox"/> 1. Not required <input type="checkbox"/> 2. May be required <input type="checkbox"/> 3. Required Specify only for engineered systems</p> <p>DOSE _____ Gallons</p>	<p><input type="checkbox"/> 3. Section 503.0 (meter readings) ATTACH WATER-METER DATA</p> <p>LATITUDE AND LONGITUDE at center of disposal area Lat. <u>44d 01.126</u> m N Lon. <u>70d 38.129</u> m W of gps, state margin of error: 30+/- ft.</p>

SITE EVALUATOR'S STATEMENT

I Certify that on 1 / 30 / 08 (date) completed a site evaluation on this property and state that the data reported is accurate and that the proposed system is in compliance with the Subsurface Wastewater Disposal Rules (10-144A CMR 241).

Site Evaluator Signature: [Signature] SE # 67 Date: 1 / 31 / 08
 Site Evaluator Name Printed: W. HORTON Telephone # 647-8798 E-mail Address: meldrum@megalink.net

Note: Changes to or deviations from the design should be confirmed with the Site Evaluator.

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SEWAGE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering, Station 19
(207) 287-6672 FAX (207) 287-3166

Station
Morrison

Street, Road, Subdivision

(off) Bear Point - Long Lake

Owner or Applicant Name

S. Lord

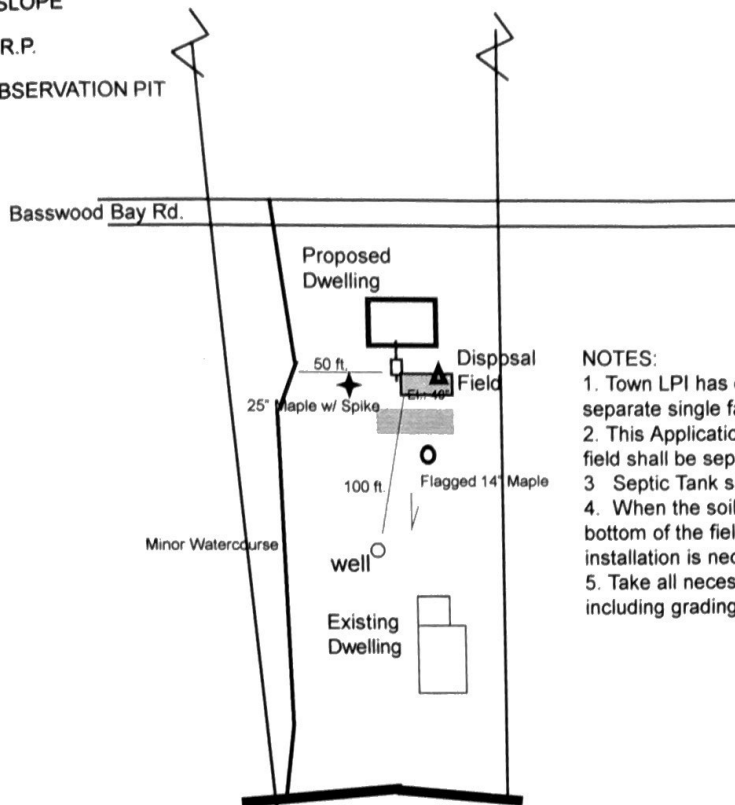
SITE PLAN

Scale: 1" = 100 Ft.

SITE LOCATION PLAN
(Attach map from Maine Atlas
for First Time System Variance)

21 Basswood Bay Rd.
(FL 35HB)

- = SLOPE
- ◆ = E.R.P.
- ▲ = OBSERVATION PIT



NOTES:

1. Town LPI has directed that the second ^{Building} dwelling on this lot be designed as a separate single family type dwelling.
2. This Application must meet a first time system requirements without variances. The field shall be separated from the existing field which has prior variance approval.
3. Septic Tank shall be watertight or of monolithic construction.
4. When the soil beneath the field is near its saturation point, excavation work on the bottom of the field is apt to pump fines and seal the interface. Care and/or delay of installation is necessary.
5. Take all necessary measures to protect against surface erosion of Disposal Field, including grading around Disposal Field to Divert Surface Runoff.

SOIL PROFILE DESCRIPTION AND CLASSIFICATION

(Location of Observation Holes Shown Above)

Observation Hole _____ Test Pit Boring
1 " Depth of Organic Horizon Above Mineral Soil

Texture	Consistency	Color	Mottling
Loam		Dk. Br.	
	Friable	Brown	
Fine Sandy Loam Till		Ol. Br.	Common/ Distinct
	Firm	Gray	

Soil Profile	Classification	Slope	Limiting Factor	<input checked="" type="checkbox"/> Ground Water
3	D	4 %	13 "	<input type="checkbox"/> Restrictive Layer
	Condition	Percent	Depth	<input type="checkbox"/> Bedrock

MUST BE READ BY OWNER and INSTALLER -

- The signature for Owner Statement (page 1) shall include the fact of reading and understanding:
1. This Application requires a Permit from the Town before a Building Permit for the lot is obtainable. This Application satisfies only the State Code for external plumbing. The CODE (or "Rules") is incorporated herein by reference and made part of this Application. Compliance of same is the sole responsibility of the Installer.
 2. A septic tank filter or additional tank capacity is required whenever garbage disposal device is contemplated for the dwelling. NB: Filters demand maintenance and a cleaning out prior to onset of frozen ground on a yearly basis is highly recommended.
 3. Owner & Installer shall review this Application and verify that it accurately describes the intended uses (present and future) for the system, and that all setbacks and other information hereon is complete and factually correct, prior to its submission to the Town's LPI for a permit. This review especially applies to neighbors' wells (within 100 ft. of proposed disposal field), if not identified on this plan, and to any more restricted local ordinance. Report all differences to the Site Evaluator.
 4. The four corner flags placed by the SE are indicators of the general location of the disposal field. However, Installer shall use the layout measurements on page 3 to locate the field precisely, as flags can be moved. If a measurement involves a property line, the Owner is responsible for locating the same prior to installation.
 5. Site Evaluator's phone number is on page #1 for questions.
 6. Proper functioning of a disposal system requires Septic Tank being pumped out periodically, and the tank inspected. Non-pumping and broken baffles reduce the life expectancy of a disposal field, causing clogging and requiring a replacement. Provide easy access to the Septic Tank and use a riser over the cleanout, if needed.
 7. Because the method of installation and its usage have a significant effect on the proper functioning of a septic system, it is not possible to adequately predict the efficiency and/or longevity of any particular septic system design.
 8. Suggestion: Photo open installation showing pipes or chambers for future reference.
- *Certain products (fatty foods, some liquid soaps, septic tank additives, etc.) and appliances (garbage disposals, water softeners, & dishwashers, especially) are to be used with caution as they can be harmful to the biochemical process of a Septic System.

Site Evaluator Signature

W. Lord

67

SE #

1 / 31 / 08

Date

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SURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering
(207) 287-4472 FAX (207) 287-5165

Plantation
Harrison

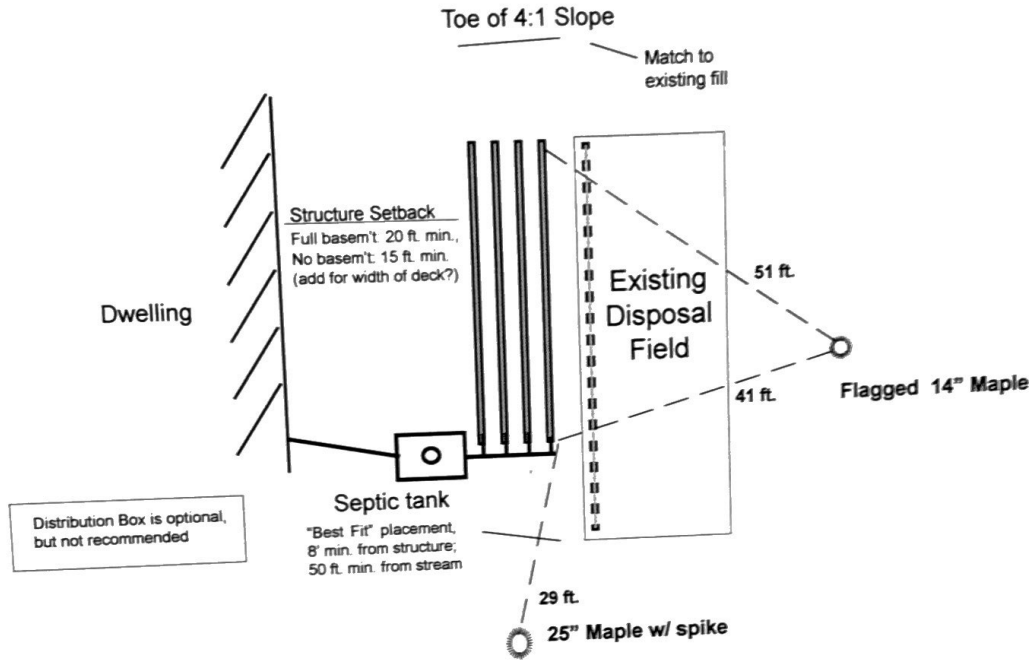
Street, Road, Subdivision
(off) Bear Point - Long Lake

Owner or Applicant Name
S. Lord

SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale: 1" = 20 Ft.

Disposal Field:
120 l.f. of
10" GeoFlow Tubing
in 4 - 30 ft. Rows.



FILL REQUIREMENTS

Depth of Backfill (Upslope) 29"

Depth of Backfill (Downslope) 32+/-"

DEPTH AT CROSS-SECTION (shown below)

CONSTRUCTION ELEVATIONS

Finished Grade Elevation* -21"

Top of Distribution Pipe or Proprietary Devices -34"

Bottom of Disposal Area -45"

ELEVATION REFERENCE POINT
Location & Description Spike in 25" Maple

Reference Elevation is: 0.0" or:

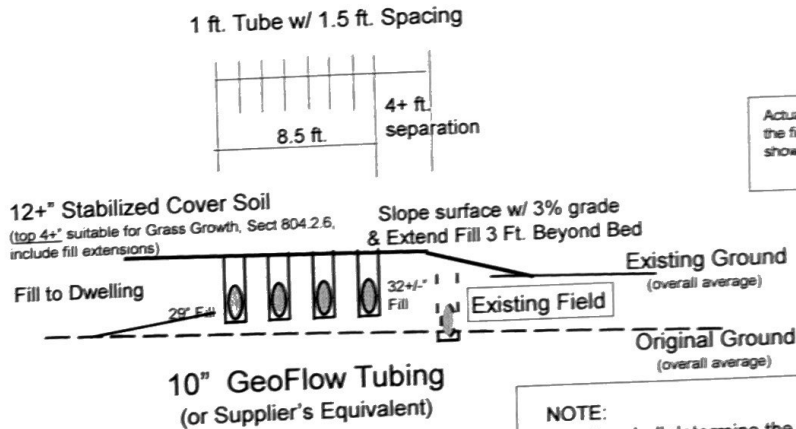
56" +/- above ground

Scale:
Vertical: 1" = 5 Ft.
Horizontal: 1" = 10 Ft.

Construction Notes:

1. General Installation procedure shall follow CODE Section 800.
2. Remove topsoil material beneath the disposal area.
3. Overexcavate for 6+" of gravelly or coarse sand (not stone) around sides and beneath disposal field and mix it into at least 4" of original bottom soil for transitional zone.
4. Fill above devices and for fill extensions can be "in situ" soils except if soil is silt or clay. In that case, use fill that passes field test (loamy sand) as described in CODE Section 804.2.3.
5. Compact fill extensions.
6. Site Preparation Inspection may be required prior to Disposal Field construction.
7. Manufacturer's Installation Instructions (from Supplier of Devices) are to be followed for CODE compliance.

DISPOSAL AREA CROSS SECTION



NOTE:
Installer shall determine the upper edge of existing and maintain a 4 ft. min. separation to proposed field.

C. Horton