

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

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

PROPERTY LOCATION >> CAUTION: LPI APPROVAL REQUIRED <<

City, Town, or Plantation	Peaks Island (Portland)	Town/City	Portland	Permit #	11941
Street or Road	120 Upper A Street	Date Permit Issued	06/07/13	Fee: \$	Double Fee Charged <input type="checkbox"/>
Subdivision, Lot #	086 6024	Local Plumbing Inspector Signature	<i>[Signature]</i>		
			L.P.I. #	1081	

OWNER/APPLICANT INFORMATION

Name (last, first, MI)	Presgraves, Albert	<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Applicant	The Subsurface Wastewater Disposal System shall not be installed until a Permit is issued by the Local Plumbing Inspector. This Permit shall authorize the owner or installer to install the disposal system in accordance with this application and the Maine Subsurface Wastewater Disposal Rules.
Mailing Address of Owner/Applicant	179 Central Ave Peaks Island, ME 04108	<input type="checkbox"/> Owner <input type="checkbox"/> Town <input type="checkbox"/> State	
Daytime Tel. #	207-756-9420	Municipal Tax Map # _____ Lot # _____	

<p>OWNER OR APPLICANT STATEMENT 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.</p> <p><i>Albert Presgraves</i> 5/21/13 Signature of Owner or Applicant Date</p>	<p>CAUTION: INSPECTION REQUIRED</p> <p>to be in compliance</p> <p>(1st) date approved _____</p> <p>(2nd) date approved _____</p>
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PERMIT # 11941

<p>TYPE OF APPLICATION</p> <p><input type="checkbox"/> 1. First Time System</p> <p><input checked="" type="checkbox"/> 2. Replacement System Type replaced: <u>Cesspool</u> Year installed: <u>unkn</u></p> <p><input type="checkbox"/> 3. Expanded System <input type="checkbox"/> a. <25% Expansion <input type="checkbox"/> b. >= 25% Expansion</p> <p><input type="checkbox"/> 4. Experimental System</p> <p><input type="checkbox"/> 5. Seasonal Conversion</p>	<p>THIS APPLICATION REQUIRES</p> <p><input type="checkbox"/> 1. No Rule Variance</p> <p><input type="checkbox"/> 2. First Time System Variance <input type="checkbox"/> a. Local Plumbing Inspector Approval <input type="checkbox"/> b. State & Local Plumbing Inspector</p> <p><input checked="" type="checkbox"/> 3. Replacement System Variance <input checked="" type="checkbox"/> a. Local Plumbing Inspector Approval <input type="checkbox"/> b. State & Local Plumbing Inspector</p> <p><input type="checkbox"/> 4. Minimum Lot Size Variance</p> <p><input type="checkbox"/> 5. Seasonal Conversion Permit</p>	<p>COMPONENTS</p> <p><input type="checkbox"/> 1. Complete Non-engineered System</p> <p><input type="checkbox"/> 2. Primitive System (graywater & all. toilet)</p> <p><input type="checkbox"/> 3. Alternative Toilet, specify: _____</p> <p><input type="checkbox"/> 4. Non-engineered Treatment Tank (only)</p> <p><input type="checkbox"/> 5. Holding Tank, _____ gallons</p> <p><input type="checkbox"/> 6. Non-engineered Disposal Field (only)</p> <p><input type="checkbox"/> 7. Separated Laundry System</p> <p><input type="checkbox"/> 8. Complete Engineered System (2000 gpd or more)</p> <p><input type="checkbox"/> 9. Engineered Treatment Tank (only)</p> <p><input type="checkbox"/> 10. Engineered Disposal Field (only)</p> <p><input type="checkbox"/> 11. Pre-treatment, specify: _____</p> <p><input type="checkbox"/> 12. Miscellaneous Components</p>
<p>SIZE OF PROPERTY</p> <p>6,800 <input checked="" type="checkbox"/> SQ. FT. <input 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></p> <p><input type="checkbox"/> 2. Multiple Family Dwelling, No. of Units: _____</p> <p><input type="checkbox"/> 3. Other: _____ (specify)</p> <p>Current Use <input type="checkbox"/> Seasonal <input checked="" type="checkbox"/> Year Round <input type="checkbox"/> Undeveloped</p>	<p>TYPE OF WATER SUPPLY</p> <p><input type="checkbox"/> 1. Drilled Well <input type="checkbox"/> 2. Dug Well <input type="checkbox"/> 3. Private</p> <p><input checked="" type="checkbox"/> 4. Public <input type="checkbox"/> 5. Other</p>

RECEIVED
MAY 29 2013
Dept. of Building Inspection
City of Portland, Maine

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

<p>TREATMENT TANK</p> <p><input type="checkbox"/> 1. Concrete <input type="checkbox"/> a. Regular <input type="checkbox"/> b. Low Profile</p> <p><input checked="" type="checkbox"/> 2. Plastic</p> <p><input type="checkbox"/> 3. Other: _____</p> <p>CAPACITY: <u>750</u> GAL</p>	<p>DISPOSAL FIELD TYPE & SIZE</p> <p><input type="checkbox"/> 1. Stone Bed <input type="checkbox"/> 2. Stone Trench</p> <p><input checked="" type="checkbox"/> 3. Proprietary Device <input type="checkbox"/> a. cluster array <input type="checkbox"/> c. Linear <input checked="" type="checkbox"/> b. regular load <input type="checkbox"/> d. H-20 load</p> <p><input type="checkbox"/> 4. Other: _____</p> <p>SIZE: <u>720</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</p> <p>If Yes or Maybe, specify one below:</p> <p><input type="checkbox"/> a. multi-compartment tank</p> <p><input type="checkbox"/> b. _____ tanks in series</p> <p><input type="checkbox"/> c. Increase in tank capacity</p> <p><input type="checkbox"/> d. Filter on Tank Outlet</p>	<p>DESIGN FLOW</p> <p><u>218</u> gallons per day</p> <p>BASED ON:</p> <p><input checked="" type="checkbox"/> 1. Table 4A (dwelling unit(s))</p> <p><input type="checkbox"/> 2. Table 4C (other facilities)</p> <p>SHOW CALCULATIONS — for other facilities —</p>
<p>SOIL DATA</p> <p>PROFILE <u>2</u> CONDITION <u>AIII</u></p> <p>at Observation Hole # <u>TP-1</u></p> <p>Depth <u>24"</u></p> <p>of Most Limiting Soil Factor <u>Bedrock</u></p>	<p>DISPOSAL FIELD SIZING</p> <p><input type="checkbox"/> 1. Medium—2.6 sq. ft. / gpd</p> <p><input checked="" type="checkbox"/> 2. Medium—Large 3.3 sq. ft. / gpd</p> <p><input type="checkbox"/> 3. Large—4.1 sq. ft. / gpd</p> <p><input type="checkbox"/> 4. Extra Large—5.0 sq. ft. / gpd</p>	<p>EFFLUENT/EJECTOR PUMP</p> <p><input type="checkbox"/> 1. Not Required</p> <p><input checked="" type="checkbox"/> 2. May Be Required</p> <p><input type="checkbox"/> 3. Required</p> <p>Specify only for engineered systems: DOSE: _____ gallons</p>	<p><input type="checkbox"/> 3. Section 4G (meter readings)</p> <p>ATTACH WATER METER DATA</p> <p>LATITUDE AND LONGITUDE at center of disposal area</p> <p>Lat <u>N43</u> d <u>39</u> m <u>31.08</u> s</p> <p>Lon. <u>W70</u> d <u>11</u> m <u>23.95</u> s</p> <p>if g.p.s. state margin of error: <u>20</u></p>

SITE EVALUATOR STATEMENT

I certify that on 04-05-13 (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).

Richard A. Sweet 034 04/09/13
Site Evaluator Signature SE # Date

Richard A. Sweet 797-2110 dick@sweetassociates.com
Site Evaluator Name Printed Telephone Number Email Address

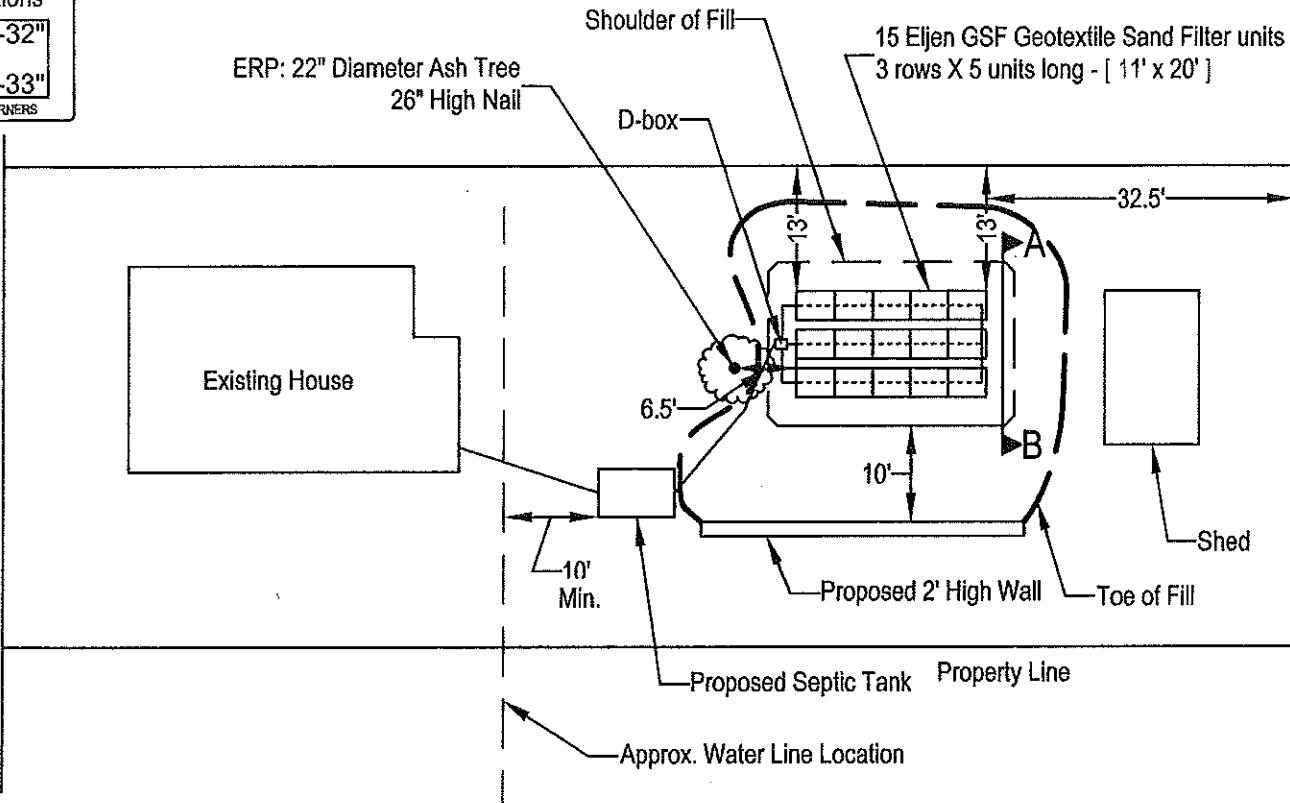
Town, City, Plantation: Peaks Island (Portland) Street, Road, Subdivision: 120 Upper A Street Owner or Applicant Name: Albert Presgraves

SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale: 1" = 20 ft

Existing Grade Elevations
-38" -32"
-44" -33"
FIELD CORNERS

UPPER A STREET



BACKFILL REQUIREMENTS

CONSTRUCTION ELEVATIONS

ELEVATION REFERENCE POINT

Depth of Backfill (upslope) 25-19"
Depth of Backfill (downslope) 31-20"

Finished Grade Elevation (at Row 1) -13"
Top of Proprietary Device (at Row 1) -21"
Bottom of Disposal Field (at Row 1) -38"

Location & Description: 22" Diameter Ash Tree
26" High Nail

Reference Elevation is 0.0" or:

NOTE: SCARIFY ALL GROUND SURFACE TO BE FILLED. USE GRAVELLY COARSE SAND WITHIN 3' OF ELJENS. REMAINING FILL: LOAMY SAND (no clay)

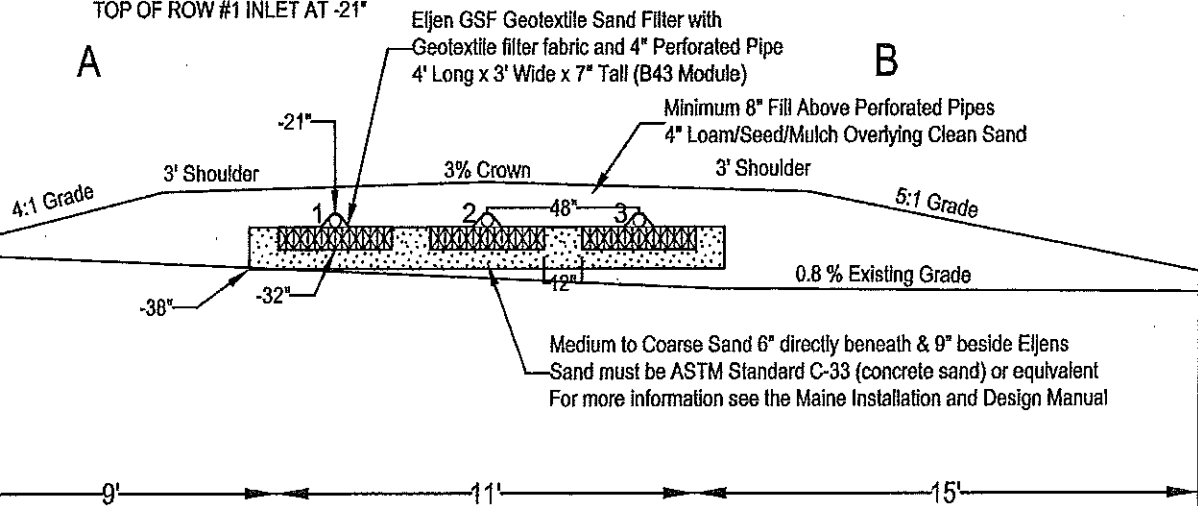
DISPOSAL FIELD CROSS SECTION

APPROXIMATE ABOVE GRADE FILL REQUIRED
30 cubic yards of LOAM
70 cubic yards of SAND
Compaction: +20% Loam & +15% Sand
Volume of chambers not considered

Scales:
Vertical: 1" = 5'
Horizontal: 1" = 5'

ROW #	1	2	3
TOP	-21"	-21"	-21"
BOTTOM	-32"	-32"	-32"

TOP OF ROW #1 INLET AT -21"



Medium to Coarse Sand 6" directly beneath & 9" beside Eljens
Sand must be ASTM Standard C-33 (concrete sand) or equivalent
For more information see the Maine Installation and Design Manual

Richard O. Smith
Site Evaluator Signature

034
SR #

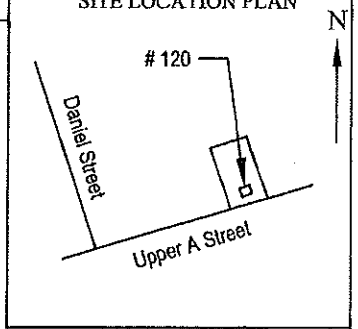
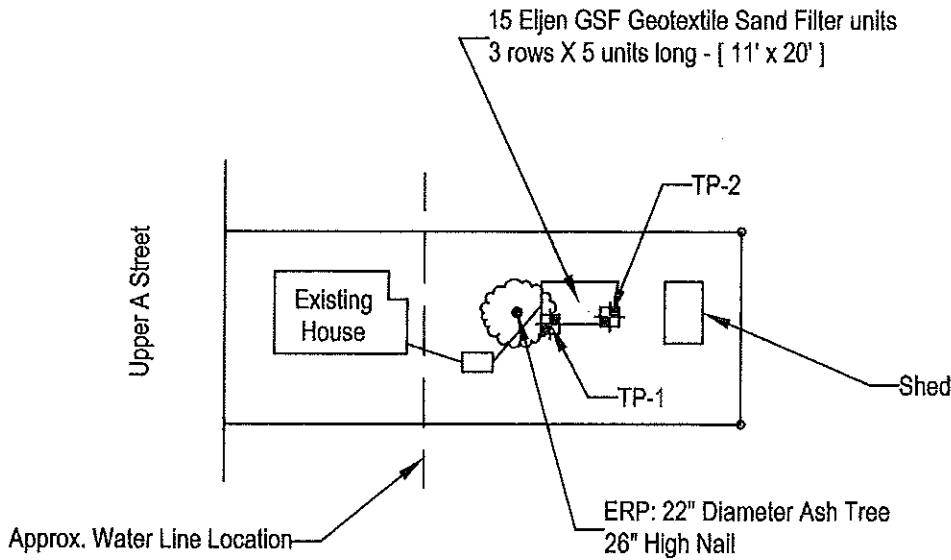
04/09/13
Date

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Town, City, Plantation Peaks Island (Portland)	Street, Road, Subdivision 120 Upper A Street	Owner or Applicant Name Albert Presgraves
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SITE PLAN Scale 1" = 50 ft.

SITE LOCATION PLAN



NOTES:

1. Septic tank must be located at least 8' foundation and 10' from water line.
2. Scarify all ground to be filled.
3. Insulate the Distribution Box (D-Box).
4. Min. 1/4"/ft (2%) pitch of pipe from building to septic tank.
5. Min. 1/8"/ft (1%) pitch of pipe from septic tank to disposal field.
6. If a pump station is required then a 2" dia. pressure line shall connect the distribution box and the pump tank.
7. Review the Eljen Geotextile Sand Filter (GSF) Design and Installation Manual before installing this system.



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

Observation Hole # <u>TP-1</u> ■ Test Pit □ Boring	" Depth of organic horizon above mineral soil			
0	Texture	Consistency	Color	Mottling
6				
12	Sandy Loam	Friable	Dark Brown	
18				
24	Bedrock at 24 inches			
30				
36				
42				
48	Soil Profile	Classification Condition	Slope Percent	Limiting Factor Depth
	<u>2</u>	<u>AIII</u>	<u>0-2</u>	<u>24"</u>
				<input type="checkbox"/> Groundwater <input type="checkbox"/> Restrictive Layer <input checked="" type="checkbox"/> Bedrock

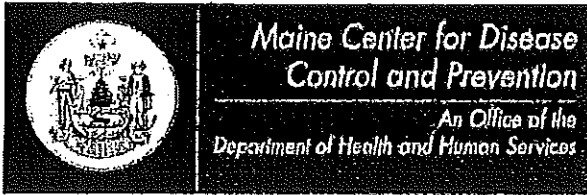
Observation Hole # <u>TP-2</u> ■ Test Pit □ Boring	" Depth of organic horizon above mineral soil			
0	Texture	Consistency	Color	Mottling
6	Sandy Loam	Friable	Dark Brown	
12				
18	Sandy Loam	Friable	Reddish Brown	
24				
30				
36	Bedrock at 32 inches			
42				
48	Soil Profile	Classification Condition	Slope Percent	Limiting Factor Depth
	<u>2</u>	<u>AIII</u>	<u>0-3</u>	<u>32"</u>
				<input type="checkbox"/> Groundwater <input type="checkbox"/> Restrictive Layer <input checked="" type="checkbox"/> Bedrock

Richard Omet
Site Evaluator Signature

034
SR #

04/09/13
Date

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Department of Health and Human Services
Maine Center for Disease Control and Prevention
286 Water Street
11 State House Station
Augusta, Maine 04333-0011
Tel: (207) 287-5672
Fax: (207) 287-4172; TTY: 1-800-606-0215

SUBSURFACE WASTEWATER DISPOSAL SYSTEM VARIANCE REQUEST

This form must accompany an application (HHE-200 Form) for any subsurface wastewater disposal system which requires a variance to provisions of the Subsurface Wastewater Disposal Rules. The Local Plumbing Inspector must not issue a permit for the installation of a subsurface wastewater disposal system requiring a variance from the Department of Health and Human Services until approval has been received from the Department.

GENERAL INFORMATION		Town of	<u>Portland</u>
Property Owner's Name:	<u>Albert Presgraves</u>	Tel. No.:	<u>756-9420</u>
System's Location:	<u>120 Upper A Street</u>		
Property Owner's Address:	<u>179 Central Avenue Peaks Island</u>	Zip Code:	<u>04108</u>
e-mail address:	<u>alpeaks@yahoo.com</u>		

The subsurface wastewater disposal system design for the subject property requires a: replacement system variance first time system variance
to the Subsurface Wastewater Rules. This variance requires: local approval local and state approval.

SPECIFIC VARIANCE REQUESTED (To be filled in by Site Evaluator. Use additional sheets if needed.)	SECTION OF RULE
1. <u>Disposal field 12.5 feet from shed</u>	<u>Table 8A</u>
2. _____	_____
3. _____	_____

SITE EVALUATOR

When a property is found to be unsuitable for subsurface wastewater disposal by a licensed Site Evaluator, the Evaluator shall so inform the property owner. If the property owner, after exploring all other alternatives, wishes to request a variance to the Rules, and the Evaluator in his professional opinion feels the variance request is justified and the site limitations can be overcome, he shall document the soil and site conditions on the Application. The Evaluator shall list the specific variances necessary plus describe below the proposed system design and function. The Evaluator shall further describe how the specific site limitations are to be overcome, and provide any other support documentation as required prior to consideration by the Department. Attach a separate sheet if necessary.

Shed not lived in.

I, Richard A. Sweet, S.E., certify that a variance to the Rules is necessary since a system cannot be installed which will completely satisfy all the Rule requirements. In my judgment, the proposed system design on the attached Application is the best alternative available; enhances the potential of the site for subsurface wastewater disposal; and that the system should function properly.

Richard A. Sweet

SIGNATURE OF SITE EVALUATOR

04-12-13

DATE

PROPERTY OWNER

Yes am the owner agent for the owner of the subject property. I understand that the installation on the Application is not in total compliance with the Rules. Should the proposed system malfunction, I release all concerned provided they have performed their duties in a reasonable and proper manner, and I will promptly notify the Local Plumbing Inspector and make any corrections required by the Rules. By signing the variance request form, I acknowledge permission for representatives of the Department to enter onto the property to perform such duties as may be necessary to evaluate the variance request.

SIGNATURE OF OWNER
 AGENT FOR THE OWNER

June 7, 2013

DATE

LOCAL PLUMBING INSPECTOR - Approval at local level

The local plumbing inspector shall review all variance requests prior to rendering a decision.

I, Jason Riox, the undersigned, have visited the above property and find that the variance request submitted by the applicant does not conform with certain provisions of the wastewater disposal rules. The variance request submitted by the applicant is the best alternative for a subsurface wastewater disposal system on this property. The proposed system (does does not) conflict with any provisions controlling subsurface wastewater disposal in the shoreland zone. Therefore, I (do do not) approve the requested variance. I (will will not) issue a permit for the system's installation as proposed by the application.

LPI Signature

06/05/13
Date

LOCAL PLUMBING INSPECTOR - Referral to the Department

The local plumbing inspector shall review all variance requests prior to forwarding to the Division of Environmental Health.

I, _____, the undersigned, have visited the above property and find that the variance request submitted by the applicant does not conform with certain provisions of the wastewater disposal rules. The variance request submitted by the applicant is the best alternative for a subsurface wastewater disposal system on this property. The proposed system (does does not) conflict with any provisions controlling subsurface wastewater disposal in the shoreland zone. Therefore, I (do do not) recommend the issuance of a permit for the system's installation as proposed by the application.

LPI Signature

Date

FOR USE BY THE DEPARTMENT ONLY

The Department has reviewed the variance(s) and (does does not) give its approval. Any additional requirements, recommendations, or reasons for the Variance denial, are given in the attached letter.

SIGNATURE OF THE DEPARTMENT

DATE

- Notes: 1. Variances for soil conditions may be approved at the local level as long as the total point assessment is at least the minimum allowed. (See Section 7.B.4 of the Subsurface Wastewater Disposal Rules for Municipal Review.)
2. Variances for other than soil conditions or soil conditions beyond the limit of the LPI's authority are to be submitted to the Department for review. (See Section 7.B.3 for Department Review.) The LPI's signature is required on these variance requests prior to sending them to the Department.

SOIL, SITE AND ENGINEERING FACTORS FOR FIRST TIME SYSTEM VARIANCE ASSESSMENT WITH LIMITING SOIL DRAINAGE CONDITIONS (SEE TABLES 7C THROUGH 7M).

	CHARACTERISTIC	POINT ASSESSMENT
Soil Profile		
Depth to Groundwater/Restrictive Layer		
Terrain		
Size of Property		
Waterbody Setback		
Water Supply		
Type of Development		
Disposal Area Adjustment		
Vertical Separation Distance		
Additional Treatment		
TOTAL POINT ASSESSMENT:		

Minimum Points (Check One): Outside Shoreland Zone-50 Inside Shoreland Zone-65 Subdivision-65