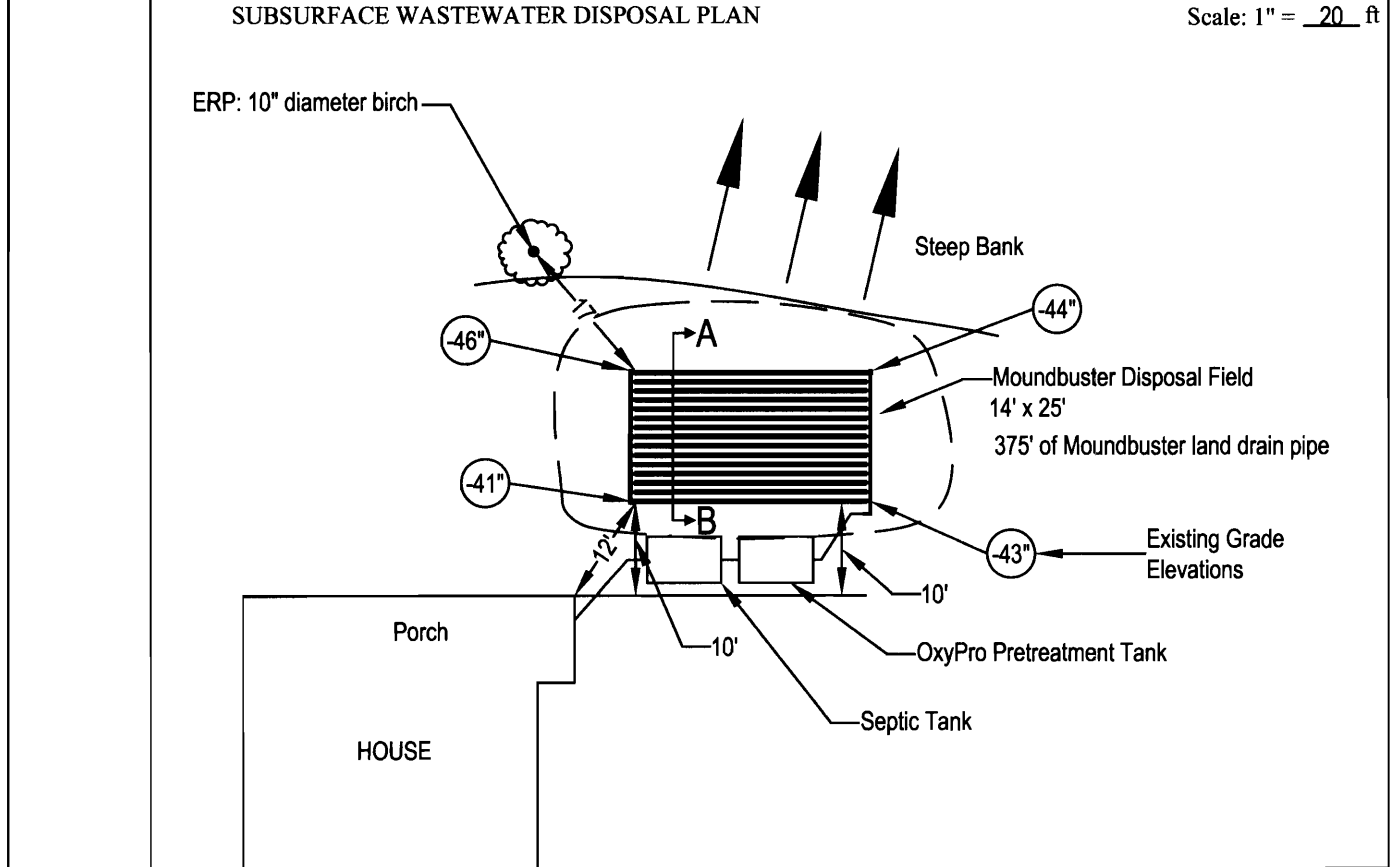


2009 6001

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION		Maine Department of Human Services Division of Health Engineering, 10 SHS (207) 287-5672 Fax: (207) 287-3165																																																							
<b>PROPERTY LOCATION</b>		<b>CAUTION: PERMIT REQUIRED - ATTACH IN SPACE BELOW</b>																																																							
City, Town, or Plantation	Cliff Island (Portland)	PORTLAND PERMIT # 11003 TOWN COPY Date Permit Issued: 7/27/09 \$ 11110 <input type="checkbox"/> If Double Fee Charged Signature: <i>John H. McLaughlin</i> L.P.I. # 01748 Local Plumbing Inspector Signature																																																							
Street or Road	126 Sunset Road																																																								
Subdivision, Lot #																																																									
<b>OWNER/APPLICANT INFORMATION</b>		<b>CAUTION: INSPECTION REQUIRED</b>																																																							
Name (last, first, MI)	GALLAUDET, MARIE <input checked="" type="checkbox"/> Owner <input type="checkbox"/> Applicant	I have inspected the installation authorized above and found it to be in compliance with the Subsurface Wastewater Disposal Rules Application. (1st) date approved _____																																																							
Mailing Address of Owner/Applicant	67 Range Rd Cumberland ME 04024	Local Plumbing Inspector Signature _____ (2nd) date approved _____																																																							
Daytime Tel. #	207 829 5313	Municipal Tax Map # 109B of # 2013																																																							
<b>OWNER OR APPLICANT STATEMENT</b>		<b>PERMIT INFORMATION</b>																																																							
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. Signature of Owner or Applicant: <i>Marie Gallaudet</i> Date: 7/22/09		<table border="1"> <tr> <td><b>TYPE OF APPLICATION</b></td> <td><b>THIS APPLICATION REQUIRES</b></td> <td><b>DISPOSAL SYSTEM COMPONENTS</b></td> </tr> <tr> <td> <input type="checkbox"/> 1. First Time System  <input checked="" type="checkbox"/> 2. Replacement System            Type replaced: <u>overboard discharge</u>            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         </td> <td> <input 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 &amp; Local Plumbing Inspector  <input checked="" type="checkbox"/> 3. Replacement System Variance  <input type="checkbox"/> a. Local Plumbing Inspector Approval  <input checked="" type="checkbox"/> b. State &amp; Local Plumbing Inspector  <input type="checkbox"/> 4. Minimum Lot Size Variance  <input type="checkbox"/> 5. Seasonal Conversion Permit         </td> <td> <input checked="" type="checkbox"/> 1. Complete Non-engineered System  <input type="checkbox"/> 2. Primitive System (graywater &amp; 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         </td> </tr> <tr> <td><b>SIZE OF PROPERTY</b></td> <td><b>DISPOSAL SYSTEM TO SERVE</b></td> <td><b>TYPE OF WATER SUPPLY</b></td> </tr> <tr> <td>32,670 +- <input checked="" type="checkbox"/> SQ. FT. <input type="checkbox"/> ACRES</td> <td> <input checked="" type="checkbox"/> 1. Single Family Dwelling Unit, No. of Bedrooms: <u>4</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 type="checkbox"/> Undeveloped         </td> <td> <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         </td> </tr> <tr> <td><b>SHORELAND ZONING</b></td> <td colspan="2"><b>DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)</b></td> </tr> <tr> <td><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</td> <td colspan="2"> <table border="1"> <tr> <td><b>TREATMENT TANK</b></td> <td><b>DISPOSAL FIELD TYPE &amp; SIZE</b></td> <td><b>GARBAGE DISPOSAL UNIT</b></td> <td><b>DESIGN FLOW</b></td> </tr> <tr> <td> <input type="checkbox"/> 1. Concrete  <input checked="" type="checkbox"/> a. Regular  <input type="checkbox"/> b. Low Profile  <input checked="" type="checkbox"/> 2. Plastic  <input type="checkbox"/> 3. Other: _____            CAPACITY: <u>1000</u> GAL         </td> <td> <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 type="checkbox"/> b. regular load <input type="checkbox"/> d. H-20 load  <input type="checkbox"/> 4. Other: _____            SIZE: <u>375</u> <input type="checkbox"/> sq. ft. <input checked="" type="checkbox"/> lin. ft.         </td> <td> <input checked="" type="checkbox"/> 1. No <input type="checkbox"/> 2. Yes <input type="checkbox"/> 3. Maybe            If Yes of 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         </td> <td> <u>398</u> gallons per day            BASED ON:  <input checked="" type="checkbox"/> 1. Table 501.1 (dwelling unit(s))  <input type="checkbox"/> 2. Table 501.1 (other facilities)            SHOW CALCULATIONS            — for other facilities —         </td> </tr> <tr> <td><b>SOIL DATA &amp; DESIGN CLASS</b></td> <td><b>DISPOSAL FIELD SIZING</b></td> <td><b>EFFLUENT/EJECTOR PUMP</b></td> <td><b>LATITUDE AND LONGITUDE</b></td> </tr> <tr> <td>           PROFILE <u>2</u> / CONDITION <u>All</u> / DESIGN <u>1</u>            at Observation Hole # <u>TP-1</u>            Depth <u>15</u> "            of Most Limiting Soil Factor  <u>Bedrock</u> </td> <td> <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         </td> <td> <input checked="" type="checkbox"/> 1. Not Required  <input type="checkbox"/> 2. May Be Required  <input type="checkbox"/> 3. Required            Specify only for engineered systems:            DOSE: _____ gallons         </td> <td>           ATTACH WATER METER DATA            at center of disposal area            Lat. <u>N43</u> d <u>41</u> m <u>53.50</u> s            Lon. <u>W70</u> d <u>06</u> m <u>21.26</u> s            if g.p.s. state margin of error: <u>20'</u> </td> </tr> </table> </td> </tr> <tr> <td colspan="4"><b>SITE EVALUATOR STATEMENT</b></td> </tr> <tr> <td colspan="4">I certify that on <u>10-8-08</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).</td> </tr> <tr> <td colspan="2">Signature: <i>Richard A. Sweet</i> Site Evaluator Signature</td> <td>034 SE #</td> <td>11/03/08 Date</td> </tr> <tr> <td colspan="2">Richard A. Sweet Site Evaluator Name Printed</td> <td>797-2110 Telephone Number</td> <td>dick@sweetassociates.com Email Address</td> </tr> <tr> <td colspan="4">Note: Changes to or deviations from the design should be confirmed with the Site Evaluator.</td> </tr> </table>		<b>TYPE OF APPLICATION</b>	<b>THIS APPLICATION REQUIRES</b>	<b>DISPOSAL SYSTEM COMPONENTS</b>	<input type="checkbox"/> 1. First Time System <input checked="" type="checkbox"/> 2. Replacement System Type replaced: <u>overboard discharge</u> 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	<input 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 <input checked="" type="checkbox"/> 3. Replacement System Variance <input type="checkbox"/> a. Local Plumbing Inspector Approval <input checked="" type="checkbox"/> b. State & Local Plumbing Inspector <input type="checkbox"/> 4. Minimum Lot Size Variance <input type="checkbox"/> 5. Seasonal Conversion Permit	<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	<b>SIZE OF PROPERTY</b>	<b>DISPOSAL SYSTEM TO SERVE</b>	<b>TYPE OF WATER SUPPLY</b>	32,670 +- <input checked="" type="checkbox"/> SQ. FT. <input type="checkbox"/> ACRES	<input checked="" type="checkbox"/> 1. Single Family Dwelling Unit, No. of Bedrooms: <u>4</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 type="checkbox"/> Undeveloped	<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	<b>SHORELAND ZONING</b>	<b>DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)</b>		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<table border="1"> <tr> <td><b>TREATMENT TANK</b></td> <td><b>DISPOSAL FIELD TYPE &amp; SIZE</b></td> <td><b>GARBAGE DISPOSAL UNIT</b></td> <td><b>DESIGN FLOW</b></td> </tr> <tr> <td> <input type="checkbox"/> 1. Concrete  <input checked="" type="checkbox"/> a. Regular  <input type="checkbox"/> b. Low Profile  <input checked="" type="checkbox"/> 2. Plastic  <input type="checkbox"/> 3. Other: _____            CAPACITY: <u>1000</u> GAL         </td> <td> <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 type="checkbox"/> b. regular load <input type="checkbox"/> d. H-20 load  <input type="checkbox"/> 4. Other: _____            SIZE: <u>375</u> <input type="checkbox"/> sq. ft. <input checked="" type="checkbox"/> lin. ft.         </td> <td> <input checked="" type="checkbox"/> 1. No <input type="checkbox"/> 2. Yes <input type="checkbox"/> 3. Maybe            If Yes of 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         </td> <td> <u>398</u> gallons per day            BASED ON:  <input checked="" type="checkbox"/> 1. Table 501.1 (dwelling unit(s))  <input type="checkbox"/> 2. Table 501.1 (other facilities)            SHOW CALCULATIONS            — for other facilities —         </td> </tr> <tr> <td><b>SOIL DATA &amp; DESIGN CLASS</b></td> <td><b>DISPOSAL FIELD SIZING</b></td> <td><b>EFFLUENT/EJECTOR PUMP</b></td> <td><b>LATITUDE AND LONGITUDE</b></td> </tr> <tr> <td>           PROFILE <u>2</u> / CONDITION <u>All</u> / DESIGN <u>1</u>            at Observation Hole # <u>TP-1</u>            Depth <u>15</u> "            of Most Limiting Soil Factor  <u>Bedrock</u> </td> <td> <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         </td> <td> <input checked="" type="checkbox"/> 1. Not Required  <input type="checkbox"/> 2. May Be Required  <input type="checkbox"/> 3. Required            Specify only for engineered systems:            DOSE: _____ gallons         </td> <td>           ATTACH WATER METER DATA            at center of disposal area            Lat. <u>N43</u> d <u>41</u> m <u>53.50</u> s            Lon. <u>W70</u> d <u>06</u> m <u>21.26</u> s            if g.p.s. state margin of error: <u>20'</u> </td> </tr> </table>		<b>TREATMENT TANK</b>	<b>DISPOSAL FIELD TYPE &amp; SIZE</b>	<b>GARBAGE DISPOSAL UNIT</b>	<b>DESIGN FLOW</b>	<input type="checkbox"/> 1. Concrete <input checked="" type="checkbox"/> a. Regular <input type="checkbox"/> b. Low Profile <input checked="" type="checkbox"/> 2. Plastic <input type="checkbox"/> 3. Other: _____ CAPACITY: <u>1000</u> GAL	<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 type="checkbox"/> b. regular load <input type="checkbox"/> d. H-20 load <input type="checkbox"/> 4. Other: _____ SIZE: <u>375</u> <input type="checkbox"/> sq. ft. <input checked="" type="checkbox"/> lin. ft.	<input checked="" type="checkbox"/> 1. No <input type="checkbox"/> 2. Yes <input type="checkbox"/> 3. Maybe If Yes of 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	<u>398</u> gallons per day BASED ON: <input checked="" type="checkbox"/> 1. Table 501.1 (dwelling unit(s)) <input type="checkbox"/> 2. Table 501.1 (other facilities) SHOW CALCULATIONS — for other facilities —	<b>SOIL DATA &amp; DESIGN CLASS</b>	<b>DISPOSAL FIELD SIZING</b>	<b>EFFLUENT/EJECTOR PUMP</b>	<b>LATITUDE AND LONGITUDE</b>	PROFILE <u>2</u> / CONDITION <u>All</u> / DESIGN <u>1</u> at Observation Hole # <u>TP-1</u> Depth <u>15</u> " of Most Limiting Soil Factor <u>Bedrock</u>	<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	<input checked="" type="checkbox"/> 1. Not Required <input type="checkbox"/> 2. May Be Required <input type="checkbox"/> 3. Required Specify only for engineered systems: DOSE: _____ gallons	ATTACH WATER METER DATA at center of disposal area Lat. <u>N43</u> d <u>41</u> m <u>53.50</u> s Lon. <u>W70</u> d <u>06</u> m <u>21.26</u> s if g.p.s. state margin of error: <u>20'</u>	<b>SITE EVALUATOR STATEMENT</b>				I certify that on <u>10-8-08</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).				Signature: <i>Richard A. Sweet</i> Site Evaluator Signature		034 SE #	11/03/08 Date	Richard A. Sweet Site Evaluator Name Printed		797-2110 Telephone Number	dick@sweetassociates.com Email Address	Note: Changes to or deviations from the design should be confirmed with the Site Evaluator.			
<b>TYPE OF APPLICATION</b>	<b>THIS APPLICATION REQUIRES</b>	<b>DISPOSAL SYSTEM COMPONENTS</b>																																																							
<input type="checkbox"/> 1. First Time System <input checked="" type="checkbox"/> 2. Replacement System Type replaced: <u>overboard discharge</u> 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	<input 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 <input checked="" type="checkbox"/> 3. Replacement System Variance <input type="checkbox"/> a. Local Plumbing Inspector Approval <input checked="" type="checkbox"/> b. State & Local Plumbing Inspector <input type="checkbox"/> 4. Minimum Lot Size Variance <input type="checkbox"/> 5. Seasonal Conversion Permit	<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																																																							
<b>SIZE OF PROPERTY</b>	<b>DISPOSAL SYSTEM TO SERVE</b>	<b>TYPE OF WATER SUPPLY</b>																																																							
32,670 +- <input checked="" type="checkbox"/> SQ. FT. <input type="checkbox"/> ACRES	<input checked="" type="checkbox"/> 1. Single Family Dwelling Unit, No. of Bedrooms: <u>4</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 type="checkbox"/> Undeveloped	<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																																																							
<b>SHORELAND ZONING</b>	<b>DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)</b>																																																								
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<table border="1"> <tr> <td><b>TREATMENT TANK</b></td> <td><b>DISPOSAL FIELD TYPE &amp; SIZE</b></td> <td><b>GARBAGE DISPOSAL UNIT</b></td> <td><b>DESIGN FLOW</b></td> </tr> <tr> <td> <input type="checkbox"/> 1. Concrete  <input checked="" type="checkbox"/> a. Regular  <input type="checkbox"/> b. Low Profile  <input checked="" type="checkbox"/> 2. Plastic  <input type="checkbox"/> 3. Other: _____            CAPACITY: <u>1000</u> GAL         </td> <td> <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 type="checkbox"/> b. regular load <input type="checkbox"/> d. H-20 load  <input type="checkbox"/> 4. Other: _____            SIZE: <u>375</u> <input type="checkbox"/> sq. ft. <input checked="" type="checkbox"/> lin. ft.         </td> <td> <input checked="" type="checkbox"/> 1. No <input type="checkbox"/> 2. Yes <input type="checkbox"/> 3. Maybe            If Yes of 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         </td> <td> <u>398</u> gallons per day            BASED ON:  <input checked="" type="checkbox"/> 1. Table 501.1 (dwelling unit(s))  <input type="checkbox"/> 2. Table 501.1 (other facilities)            SHOW CALCULATIONS            — for other facilities —         </td> </tr> <tr> <td><b>SOIL DATA &amp; DESIGN CLASS</b></td> <td><b>DISPOSAL FIELD SIZING</b></td> <td><b>EFFLUENT/EJECTOR PUMP</b></td> <td><b>LATITUDE AND LONGITUDE</b></td> </tr> <tr> <td>           PROFILE <u>2</u> / CONDITION <u>All</u> / DESIGN <u>1</u>            at Observation Hole # <u>TP-1</u>            Depth <u>15</u> "            of Most Limiting Soil Factor  <u>Bedrock</u> </td> <td> <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         </td> <td> <input checked="" type="checkbox"/> 1. Not Required  <input type="checkbox"/> 2. May Be Required  <input type="checkbox"/> 3. Required            Specify only for engineered systems:            DOSE: _____ gallons         </td> <td>           ATTACH WATER METER DATA            at center of disposal area            Lat. <u>N43</u> d <u>41</u> m <u>53.50</u> s            Lon. <u>W70</u> d <u>06</u> m <u>21.26</u> s            if g.p.s. state margin of error: <u>20'</u> </td> </tr> </table>		<b>TREATMENT TANK</b>	<b>DISPOSAL FIELD TYPE &amp; SIZE</b>	<b>GARBAGE DISPOSAL UNIT</b>	<b>DESIGN FLOW</b>	<input type="checkbox"/> 1. Concrete <input checked="" type="checkbox"/> a. Regular <input type="checkbox"/> b. Low Profile <input checked="" type="checkbox"/> 2. Plastic <input type="checkbox"/> 3. Other: _____ CAPACITY: <u>1000</u> GAL	<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 type="checkbox"/> b. regular load <input type="checkbox"/> d. H-20 load <input type="checkbox"/> 4. Other: _____ SIZE: <u>375</u> <input type="checkbox"/> sq. ft. <input checked="" type="checkbox"/> lin. ft.	<input checked="" type="checkbox"/> 1. No <input type="checkbox"/> 2. Yes <input type="checkbox"/> 3. Maybe If Yes of 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	<u>398</u> gallons per day BASED ON: <input checked="" type="checkbox"/> 1. Table 501.1 (dwelling unit(s)) <input type="checkbox"/> 2. Table 501.1 (other facilities) SHOW CALCULATIONS — for other facilities —	<b>SOIL DATA &amp; DESIGN CLASS</b>	<b>DISPOSAL FIELD SIZING</b>	<b>EFFLUENT/EJECTOR PUMP</b>	<b>LATITUDE AND LONGITUDE</b>	PROFILE <u>2</u> / CONDITION <u>All</u> / DESIGN <u>1</u> at Observation Hole # <u>TP-1</u> Depth <u>15</u> " of Most Limiting Soil Factor <u>Bedrock</u>	<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	<input checked="" type="checkbox"/> 1. Not Required <input type="checkbox"/> 2. May Be Required <input type="checkbox"/> 3. Required Specify only for engineered systems: DOSE: _____ gallons	ATTACH WATER METER DATA at center of disposal area Lat. <u>N43</u> d <u>41</u> m <u>53.50</u> s Lon. <u>W70</u> d <u>06</u> m <u>21.26</u> s if g.p.s. state margin of error: <u>20'</u>																																							
<b>TREATMENT TANK</b>	<b>DISPOSAL FIELD TYPE &amp; SIZE</b>	<b>GARBAGE DISPOSAL UNIT</b>	<b>DESIGN FLOW</b>																																																						
<input type="checkbox"/> 1. Concrete <input checked="" type="checkbox"/> a. Regular <input type="checkbox"/> b. Low Profile <input checked="" type="checkbox"/> 2. Plastic <input type="checkbox"/> 3. Other: _____ CAPACITY: <u>1000</u> GAL	<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 type="checkbox"/> b. regular load <input type="checkbox"/> d. H-20 load <input type="checkbox"/> 4. Other: _____ SIZE: <u>375</u> <input type="checkbox"/> sq. ft. <input checked="" type="checkbox"/> lin. ft.	<input checked="" type="checkbox"/> 1. No <input type="checkbox"/> 2. Yes <input type="checkbox"/> 3. Maybe If Yes of 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	<u>398</u> gallons per day BASED ON: <input checked="" type="checkbox"/> 1. Table 501.1 (dwelling unit(s)) <input type="checkbox"/> 2. Table 501.1 (other facilities) SHOW CALCULATIONS — for other facilities —																																																						
<b>SOIL DATA &amp; DESIGN CLASS</b>	<b>DISPOSAL FIELD SIZING</b>	<b>EFFLUENT/EJECTOR PUMP</b>	<b>LATITUDE AND LONGITUDE</b>																																																						
PROFILE <u>2</u> / CONDITION <u>All</u> / DESIGN <u>1</u> at Observation Hole # <u>TP-1</u> Depth <u>15</u> " of Most Limiting Soil Factor <u>Bedrock</u>	<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	<input checked="" type="checkbox"/> 1. Not Required <input type="checkbox"/> 2. May Be Required <input type="checkbox"/> 3. Required Specify only for engineered systems: DOSE: _____ gallons	ATTACH WATER METER DATA at center of disposal area Lat. <u>N43</u> d <u>41</u> m <u>53.50</u> s Lon. <u>W70</u> d <u>06</u> m <u>21.26</u> s if g.p.s. state margin of error: <u>20'</u>																																																						
<b>SITE EVALUATOR STATEMENT</b>																																																									
I certify that on <u>10-8-08</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).																																																									
Signature: <i>Richard A. Sweet</i> Site Evaluator Signature		034 SE #	11/03/08 Date																																																						
Richard A. Sweet Site Evaluator Name Printed		797-2110 Telephone Number	dick@sweetassociates.com Email Address																																																						
Note: Changes to or deviations from the design should be confirmed with the Site Evaluator.																																																									

<b>SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION</b>		Maine Department of Human Services Division of Health Engineering, Station 10 (207) 287-5672 Fax: (207) 287-3165																																																																																																			
Town, City, Plantation <b>Cliff Island (Portland)</b>	Street, Road, Subdivision <b>126 Sunset Road</b>	Owner or Applicant Name <b>Spruce Cliff Limited</b>																																																																																																			
<b>SITE PLAN</b> Scale 1" = 50 ft.		<b>SITE LOCATION PLAN</b>																																																																																																			
<b>NOTES:</b> 1. Scarify all ground to be filled. 2. Insulate the Distribution Box (D-Box). 3. Min. 1/4"/ft slope of pipe from building to septic tank. 4. Min. 1/8"/ft slope of pipe from septic tank to disposal field. 5. Create transitional horizon beneath disposal field by thoroughly mixing gravelly coarse sand with 6" of the soil beneath system. 6. Septic tank must be at least 8' from house foundation																																																																																																					
<b>SOIL PROFILE DESCRIPTION AND CLASSIFICATION</b> (Location of Observation Holes Shown Above)																																																																																																					
Observation Hole # <u>  TB-1  </u> <input type="checkbox"/> Test Pit <input checked="" type="checkbox"/> Boring "    Depth of organic horizon above mineral soil	Observation Hole # _____ <input type="checkbox"/> Test Pit <input type="checkbox"/> Boring "    Depth of organic horizon above mineral soil																																																																																																				
<table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th style="width: 10%;">Depth below mineral soil surface (inches)</th> <th style="width: 20%;">Texture</th> <th style="width: 20%;">Consistency</th> <th style="width: 20%;">Color</th> <th style="width: 30%;">Mottling</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Sandy Loam</td> <td>Friable</td> <td>Brown</td> <td></td> </tr> <tr> <td>6</td> <td>Sandy Loam</td> <td>Friable</td> <td>Reddish Brown</td> <td></td> </tr> <tr> <td>12</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>18</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>24</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>30</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>36</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>42</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>48</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Depth below mineral soil surface (inches)	Texture	Consistency	Color	Mottling	0	Sandy Loam	Friable	Brown		6	Sandy Loam	Friable	Reddish Brown		12					18					24					30					36					42					48					<table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th style="width: 10%;">Depth below mineral soil surface (inches)</th> <th style="width: 20%;">Texture</th> <th style="width: 20%;">Consistency</th> <th style="width: 20%;">Color</th> <th style="width: 30%;">Mottling</th> </tr> </thead> <tbody> <tr><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td>6</td><td></td><td></td><td></td><td></td></tr> <tr><td>12</td><td></td><td></td><td></td><td></td></tr> <tr><td>18</td><td></td><td></td><td></td><td></td></tr> <tr><td>24</td><td></td><td></td><td></td><td></td></tr> <tr><td>30</td><td></td><td></td><td></td><td></td></tr> <tr><td>36</td><td></td><td></td><td></td><td></td></tr> <tr><td>42</td><td></td><td></td><td></td><td></td></tr> <tr><td>48</td><td></td><td></td><td></td><td></td></tr> </tbody> </table>	Depth below mineral soil surface (inches)	Texture	Consistency	Color	Mottling	0					6					12					18					24					30					36					42					48				
Depth below mineral soil surface (inches)	Texture	Consistency	Color	Mottling																																																																																																	
0	Sandy Loam	Friable	Brown																																																																																																		
6	Sandy Loam	Friable	Reddish Brown																																																																																																		
12																																																																																																					
18																																																																																																					
24																																																																																																					
30																																																																																																					
36																																																																																																					
42																																																																																																					
48																																																																																																					
Depth below mineral soil surface (inches)	Texture	Consistency	Color	Mottling																																																																																																	
0																																																																																																					
6																																																																																																					
12																																																																																																					
18																																																																																																					
24																																																																																																					
30																																																																																																					
36																																																																																																					
42																																																																																																					
48																																																																																																					
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">Soil Profile</td> <td style="width: 15%;">Classification</td> <td style="width: 15%;">Slope</td> <td style="width: 15%;">Limiting Factor</td> <td style="width: 40%;"> <input type="checkbox"/> Groundwater  <input type="checkbox"/> Restrictive Layer  <input checked="" type="checkbox"/> Bedrock         </td> </tr> <tr> <td><u>  2  </u></td> <td><u>  All  </u></td> <td><u>  2  </u></td> <td><u>  15"  </u></td> <td></td> </tr> </table>	Soil Profile	Classification	Slope	Limiting Factor	<input type="checkbox"/> Groundwater <input type="checkbox"/> Restrictive Layer <input checked="" type="checkbox"/> Bedrock	<u>  2  </u>	<u>  All  </u>	<u>  2  </u>	<u>  15"  </u>		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">Soil Profile</td> <td style="width: 15%;">Classification</td> <td style="width: 15%;">Slope</td> <td style="width: 15%;">Limiting Factor</td> <td style="width: 40%;"> <input type="checkbox"/> Groundwater  <input type="checkbox"/> Restrictive Layer  <input type="checkbox"/> Bedrock         </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>	Soil Profile	Classification	Slope	Limiting Factor	<input type="checkbox"/> Groundwater <input type="checkbox"/> Restrictive Layer <input type="checkbox"/> Bedrock																																																																																					
Soil Profile	Classification	Slope	Limiting Factor	<input type="checkbox"/> Groundwater <input type="checkbox"/> Restrictive Layer <input checked="" type="checkbox"/> Bedrock																																																																																																	
<u>  2  </u>	<u>  All  </u>	<u>  2  </u>	<u>  15"  </u>																																																																																																		
Soil Profile	Classification	Slope	Limiting Factor	<input type="checkbox"/> Groundwater <input type="checkbox"/> Restrictive Layer <input type="checkbox"/> Bedrock																																																																																																	
 Site Evaluator Signature	<u>  034  </u> SE #	<u>  11/03/08  </u> Date																																																																																																			
		Page 2 of 3 HHE-200 Rev. 10/02																																																																																																			

Town, City, Plantation Cliff Island (Portland)	Street, Road, Subdivision 126 Sunset Road	Owner or Applicant Name Spruce Cliff Limited
---	--	---



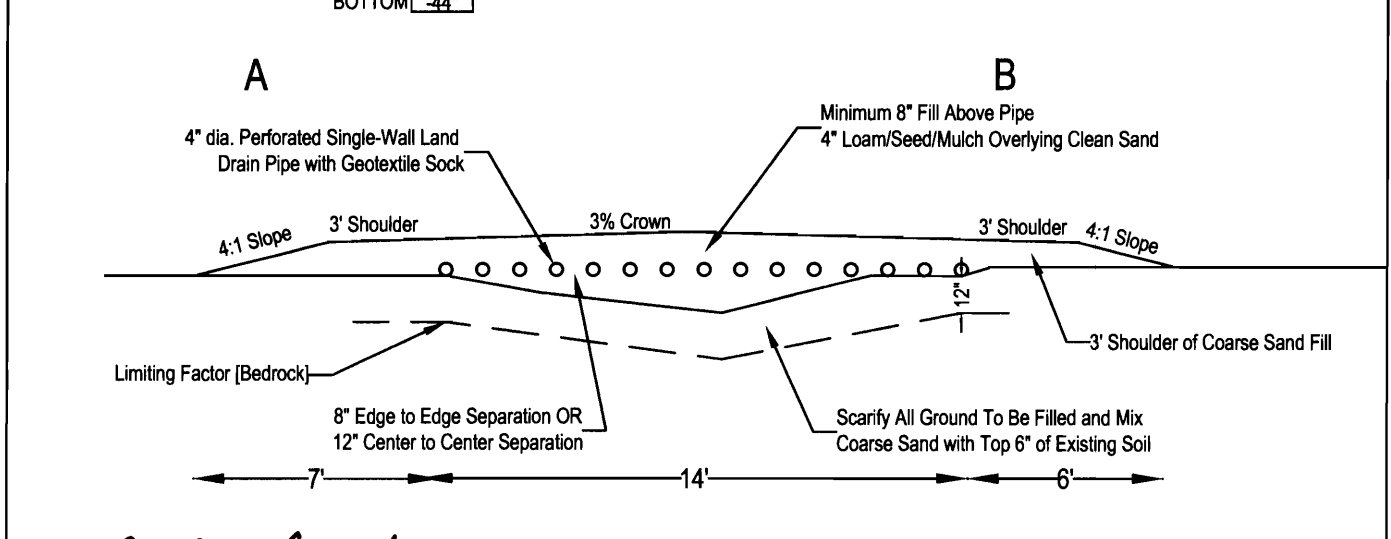
<b>BACKFILL REQUIREMENTS</b>	<b>CONSTRUCTION ELEVATIONS</b>	<b>ELEVATION REFERENCE POINT</b>
Depth of Backfill (upslope) <u>9"</u>	Finished Grade Elevation (at Row 1) <u>-32"</u>	Location & Description: <u>10" diameter birch</u>
Depth of Backfill (downslope) <u>26"</u>	Top of Proprietary Device (at Row 1) <u>-40"</u>	Reference Elevation is 0.0" or: _____
	Bottom of Disposal Field (at Row 1) <u>-44"</u>	

**DISPOSAL FIELD CROSS SECTION**

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

ROW #	1 - 15
TOP	-40"
BOTTOM	-44"

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



<i>Richard O'Connell</i> Site Evaluator Signature	034 SE #	11/03/08 Date
--	-------------	------------------

Page 3 of 3  
HHE-200 Rev. 10/02

REPLACEMENT SYSTEM VARIANCE REQUEST

THE LIMITATIONS OF THE REPLACEMENT SYSTEM VARIANCE REQUEST

This form shall be attached to an application (HHE-200) for the proposed replacement system which requires a variance to the Rules. The LPI shall review the Replacement System Variance Request and HHE-200 and may approve the Request if all of the following requirements can be met, and the variance(s) requested fall within the limits of LPI's authority.

- 1. The proposed design meets the definition of a Replacement System as defined in the Rules (Sec. 2006)
2. There will be no change in use of the structure except as authorized for minor expansions outside the shoreland zone of major waterbodies/courses.
3. The replacement system is determined by the Site Evaluator and LPI to be the most practical method to treat and dispose of the wastewater.
4. The BOD5 plus S.S. content of the wastewater is no greater than that of normal domestic effluent.

GENERAL INFORMATION
Town of Portland (Cliff Island)
Permit No. Date Permit Issued
Property Owner's Name: Spruce Cliff Limited Tel. No.: 829-5315
System's Location: 126 Sunset Road
Property Owner's Address: 67 Range Road
(if different from above) Cumberland, ME 04021

SPECIFIC INSTRUCTIONS TO THE:
LOCAL PLUMBING INSPECTOR (LPI):
If any of the variances exceed your approval authority and/or do not meet all of the requirements listed under the Limitations Section above, then you are to send this Replacement System Variance Request, along with the Application, to the Department for review and approval consideration before issuing a Permit.
SITE EVALUATOR:
If after completing the Application, you find that a variance for the proposed replacement system is needed, complete the Replacement Variance Request with your signature on reverse side of form.
PROPERTY OWNER:
If it has been determined by the Site Evaluator that a variance to the Rules is required for the proposed replacement system. This variance request is due to physical limitations of the site and/or soil conditions.


PROPERTY OWNER
I understand that the proposed system requires a variance to 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.
Signature: Mary L. Gallaudet
Date: 7/22/09

LOCAL PLUMBING INSPECTOR
I, Thomas M. Marblay, the undersigned, have visited the above property and have determined to the best of my knowledge that it cannot be installed in compliance with the Rules.
a. (approve, disapprove) the variance request based on my authority to grant this variance.
b. find that one or more of the requested Variances exceeds my approval authority as LPI.
Signature: Thomas M. Marblay
Date: 7/23/09

Replacement System Variance Request

VARIANCE CATEGORY	LIMIT OF LPI'S APPROVAL AUTHORITY						VARIANCE REQUESTED TO:	
	SOILS							
Soil Profile	Ground Water Table			to 7"			inches	
Soil Condition	Restrictive Layer			to 7"			inches	
from HHE-200	Bedrock			to 12"			inches	
SETBACK DISTANCES (in feet)	Disposal Fields (total design flow)			Septic Tanks (total design flow)			Disposal Fields To	Septic Tanks To
	From	Less than 1000 gpd	1000 to 2000 gpd	Over 2000 gpd	Less than 1000 gpd	1000 to 2000 gpd		
Wells with water usage of 2000 or more gpd or public water supply wells	300 ft	300 ft	300 ft	150 ft	150 ft	150 ft		
Owner's wells	100 down to 60 ft [a]	200 down to 100 ft	300 down to 150 ft	100 down to 50 ft [b]	100 down to 50 ft	100 down to 50 ft		
Neighbor's wells	100 down to 60 ft [f]	200 down to 120 ft [f]	300 down to 180 ft [f]	100 down to 50 ft [f]	100 down to 75 ft [f]	100 down to 75 ft [f]		
Water supply line	10 ft	20 ft	25 ft [h]	10 ft	10 ft	10 ft [h]		
Water course, major - for replacements only, see Table 400.4 for major expansions	100 down to 60 ft [d]	200 down to 120 ft [d]	300 down to 180 ft [d]	100 down to 50 ft [b]	100 down to 50 ft	100 down to 50 ft	52'	65'
Water course, minor	50 down to 25 ft [e]	100 down to 50 ft [e]	150 down to 75 ft [e]	50 down to 25 ft [e]	50 down to 25 ft [e]	50 down to 25 ft [e]		
Drainage ditches	25 down to 12 ft	50 down to 25 ft	75 down to 35 ft	25 down to 12 ft	25 down to 12 ft	25 down to 12 ft		
Edge of fill extension -- Coastal wetlands, special freshwater wetlands, great ponds, rivers, streams	25 ft [e]	25 ft [e]	25 ft [e]	25 ft [e]	25 ft [e]	25 ft [e]		
Slopes greater than 3:1	10 ft [g]	18 ft [g]	25 ft [g]	N/A	N/A	N/A		
No full basement [e.g. slab, frost wall, columns]	15 down to 7 ft	30 down to 15 ft	40 down to 20 ft	8 down to 5 ft	14 down to 7 ft	20 down to 10 ft		
Full basement [below grade foundation]	20 down to 10 ft	30 down to 15 ft	40 down to 20 ft	8 down to 5 ft	14 down to 7 ft	20 down to 10 ft	12'	
Property lines	10 down to 5 ft [c]	18 down to 9 ft [c]	20 down to 10 ft [c]	10 down to 4 ft [c]	15 down to 7 ft [c]	20 down to 10 ft [c]		
Burial sites or graveyards, measured from the down toe of the fill extension	25 ft	25 ft	25 ft	25 ft	25 ft	25 ft		
<b>OTHER</b>								
1. Fill extension Grade - to 3:1								
2.								
3.								

Footnotes: [a.] Single-family well setbacks may be reduced as prescribed in Section 701.2.  
 [b.] This distance may be reduced to 25 feet, if the septic or holding tank is tested in the plumbing inspector's presence and shown to be watertight or of monolithic construction.  
 [c.] Additional setbacks may be needed to prevent fill material extensions from encroaching onto abutting property.  
 [d.] Additional setbacks may be required by local Shoreland zoning.  
 [e.] Natural Resource Protection Act requires a 25 feet setback, on slopes of less than 20%, from the edge of soil disturbance and 100 feet on slopes greater than 20%. See Chapter 15.  
 [f.] May not be any closer to neighbors well than the existing disposal field or septic tank unless written permission is granted by the neighbor. This setback may be reduced for single family houses with Department approval. See Section 702.3.  
 [g.] The fill extension shall reach the existing ground before the 3:1 slope or within 100 feet of the disposal field.  
 [h.] See Section 1402.10 for special procedures when these minimum setbacks cannot be achieved.

  
 SITE EVALUATOR'S SIGNATURE

11-03-08  
 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