

# 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>&gt;&gt; CAUTION: PERMIT REQUIRED - ATTACH IN SPACE BELOW &lt;&lt;</b>	
City, Town, or Plantation	PORTLAND	2004 6002	
Street or Road	95 COWSIDE DRIVE WEYMOUTH WAY		
Subdivision, Lot #	DIAMOND COVE, LOT 47	Date Permit Issued: 10/10/04	# Double Fee Charged
<b>OWNER/APPLICANT INFORMATION</b>		L.P.I. # 2040	
Name (last, first, MI)	CULVER, STEVE	Local Plumbing Inspector Signature	
Mailing Address of Owner/Applicant	12 ARBOR LANE CAPE ELIZABETH ME 04107		
Daytime Tel. #	885-3159	Municipal Tax Map # 83F Lot # 47	

<b>OWNER OR APPLICANT STATEMENT</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.	<b>CAUTION: INSPECTION REQUIRED</b> I have inspected the installation authorized above and found it to be in compliance with the Subsurface Wastewater Disposal Rules Application. (1st) date approved
Signature of Owner or Applicant: [Signature] Date: 2/27/04	Local Plumbing Inspector Signature: [Signature] (2nd) date approved

PERMIT INFORMATION		
<b>TYPE OF APPLICATION</b> <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	<b>THIS APPLICATION REQUIRES</b> <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	<b>DISPOSAL SYSTEM COMPONENTS</b> <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 Disposal Area <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> 91,690 <input checked="" type="checkbox"/> SQ. FT. <input type="checkbox"/> ACRES	<b>DISPOSAL SYSTEM TO SERVE</b> <input checked="" type="checkbox"/> 1. Single Family Dwelling Unit, No. of Bedrooms: 3 <input type="checkbox"/> 2. Multiple Family Dwelling, No. of Units: _____ <input type="checkbox"/> 3. Other: _____ (specify) Current Use <input type="checkbox"/> Seasonal <input checked="" type="checkbox"/> Year Round <input type="checkbox"/> Undeveloped	<b>TYPE OF WATER SUPPLY</b> <input type="checkbox"/> 1. Drilled Well <input type="checkbox"/> 2. Dug Well <input type="checkbox"/> 3. Private <input checked="" type="checkbox"/> 4. Public <input type="checkbox"/> 5. Other
<b>SHORELAND ZONING</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)			
<b>TREATMENT TANK</b> <input type="checkbox"/> 1. Concrete <input type="checkbox"/> a. Regular <input type="checkbox"/> b. Low Profile <input checked="" type="checkbox"/> 2. Plastic <input type="checkbox"/> 3. Other: _____ CAPACITY: 1000 GAL.	<b>DISPOSAL FIELD TYPE &amp; SIZE</b> <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: _____ SIZE: 420 <input checked="" type="checkbox"/> sq. ft. <input type="checkbox"/> lin. ft.	<b>GARBAGE DISPOSAL UNIT</b> <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	<b>DESIGN FLOW</b> 270 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) DEPT. OF BUILDING INSPECTION SHOWING FOR CITY OF PORTLAND, ME FEB 27 2004 <input type="checkbox"/> 3. Section 503.0 (meter readings) ATTACH WATER METER DATA
<b>SOIL DATA &amp; DESIGN CLASS</b> PROFILE: 2, C, A III CONDITION: I DESIGN: III at Observation Hole # 1 Depth: 37" of Most Limiting Soil Factor: BEDROCK	<b>DISPOSAL FIELD SIZING</b> <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	<b>EFFLUENT/EJECTOR PUMP</b> <input type="checkbox"/> 1. Not Required <input checked="" type="checkbox"/> 2. May Be Required <input type="checkbox"/> 3. Required Specify only for engineered systems: DOSE: _____ gallons	

SITE EVALUATOR STATEMENT	
I certify that on 10/28/03 (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).	
Site Evaluator Signature: [Signature]	SE # 185 Date: 10/31/03
DAVID A. KAMILA Site Evaluator Name Printed	

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Division of Health Engineering, Station 10  
(207) 287-5672 FAX (207) 287-4172

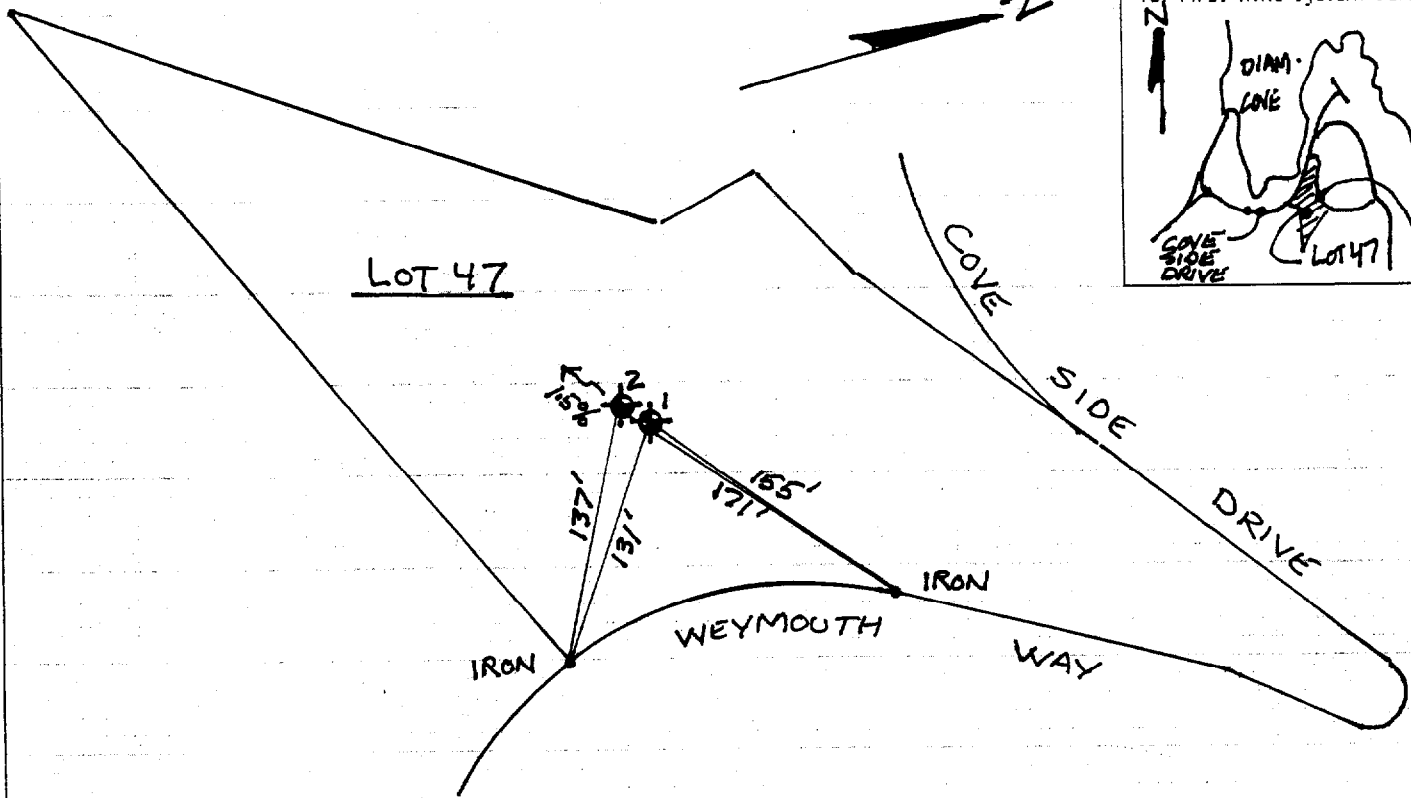
Town, City, Plantation  
**PORTLAND**

Street, Road, Subdivision  
**WEYMOUTH WAY / DIAMOND COVE**

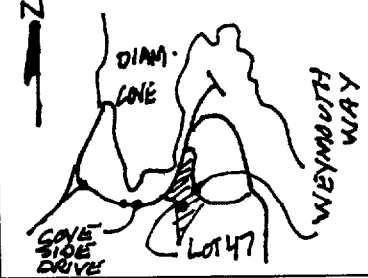
Owner or Applicant Name  
**STEVE CULVER**

## SITE PLAN

Scale: 1" = 100 ft.



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



## SOIL PROFILE DESCRIPTION AND CLASSIFICATION

(Location of Observation Holes Shown Above)

Observation Hole # 1 ■ Test Pit □ Boring

1/2 " Depth of organic horizon above mineral soil

Texture	Consistency	Color	Mottling	
0				
6	FINE	FRIBLE	DARK BROWN	NONE
12	SANDY	⊥		
18	LOAM	LOOSE	LIGHT	EVIDENT
24	w/		BROWN	
30	10%			
36	COARSE			
42	FRAGMENTS			
48	ASSUMED BEDROCK			

Soil Profile	Classification Condition	Slope Percent	Limiting Factor Depth	<input type="checkbox"/> Groundwater
<u>2</u>	<u>CAIII</u>	<u>1 1/2</u>	<u>37</u>	<input type="checkbox"/> Restrictive Layer
				<input checked="" type="checkbox"/> Bedrock

Observation Hole # 2 ■ Test Pit □ Boring

1/2 " Depth of organic horizon above mineral soil

Texture	Consistency	Color	Mottling	
0				
6	FINE	FRIBLE	DARK BROWN	NONE
12	SANDY	⊥		
18	LOAM	LOOSE	LIGHT	EVIDENT
24	w/		BROWN	
30	10%			
36	COARSE			
42	FRAGMENTS			
48	ASSUMED BEDROCK			

Soil Profile	Classification Condition	Slope Percent	Limiting Factor Depth	<input type="checkbox"/> Groundwater
<u>2</u>	<u>CAIII</u>	<u>1 1/2</u>	<u>35</u>	<input type="checkbox"/> Restrictive Layer
				<input checked="" type="checkbox"/> Bedrock

Daniel A. King  
Site Evaluator Signature

185  
SE #

OCT. 31, 2003  
Date

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Town, City, Plantation  
**PORTLAND**

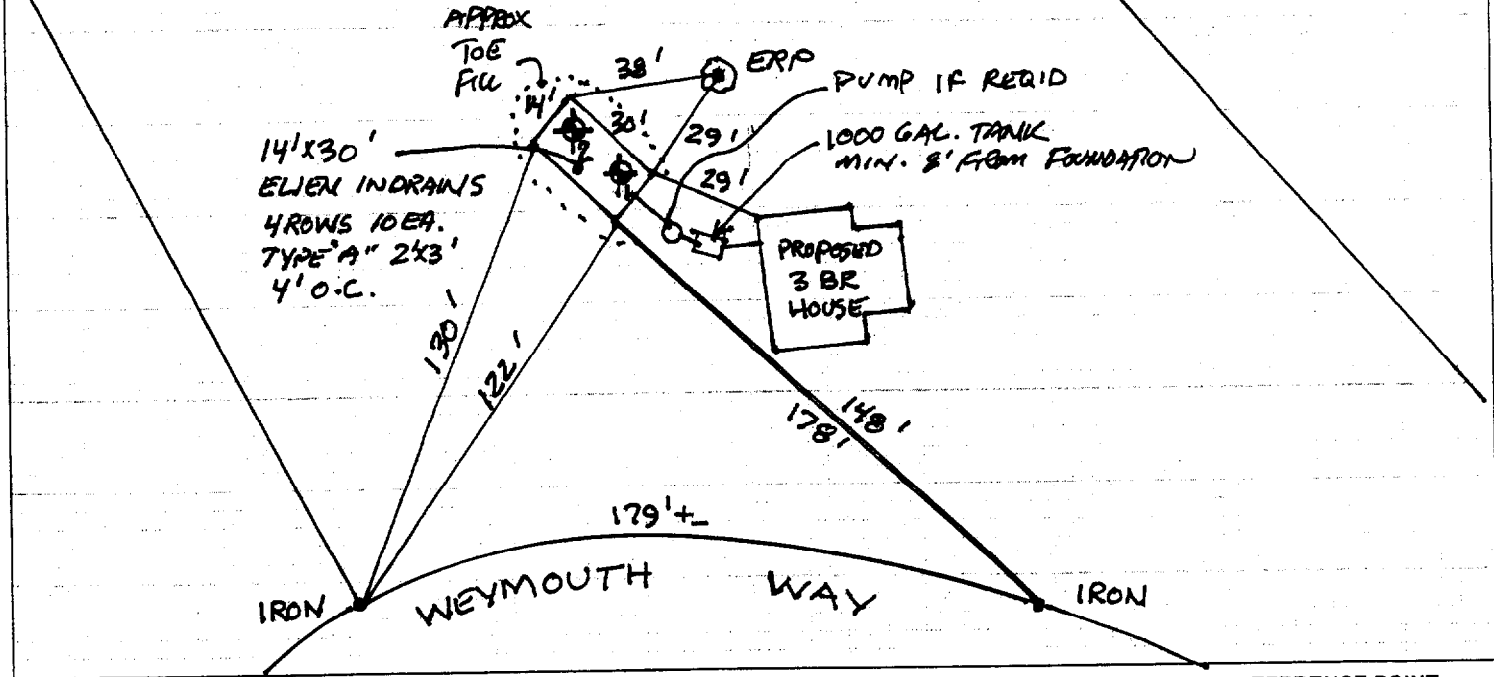
Street, Road, Subdivision  
**WEYMOUTH WAY / COVE**

Owner or Applicant Name  
**STEVE CULVER**

## SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale: 1" = 50 ft.

NOTE: INSTAL. DIST. BOX WITH 4 OUTLETS,  
 LEVEL TO FEED 4" PERF. PIPES  
 OVER 4 ROWS TYPE "A" ELLEN INDRAINS.  
 10 PER ROW, 40 TOTAL.



### BACKFILL REQUIREMENTS

Depth of Backfill (upslope) **6-12"**  
 Depth of Backfill (downslope) **6-12"**  
 DEPTHS AT CROSS-SECTION (shown below)

### CONSTRUCTION ELEVATIONS

Finished Grade Elevation **@ ± -51"**  
 Top of Distribution Pipe or Proprietary Device **-67"**  
 Bottom of Disposal Field **" " -74"**

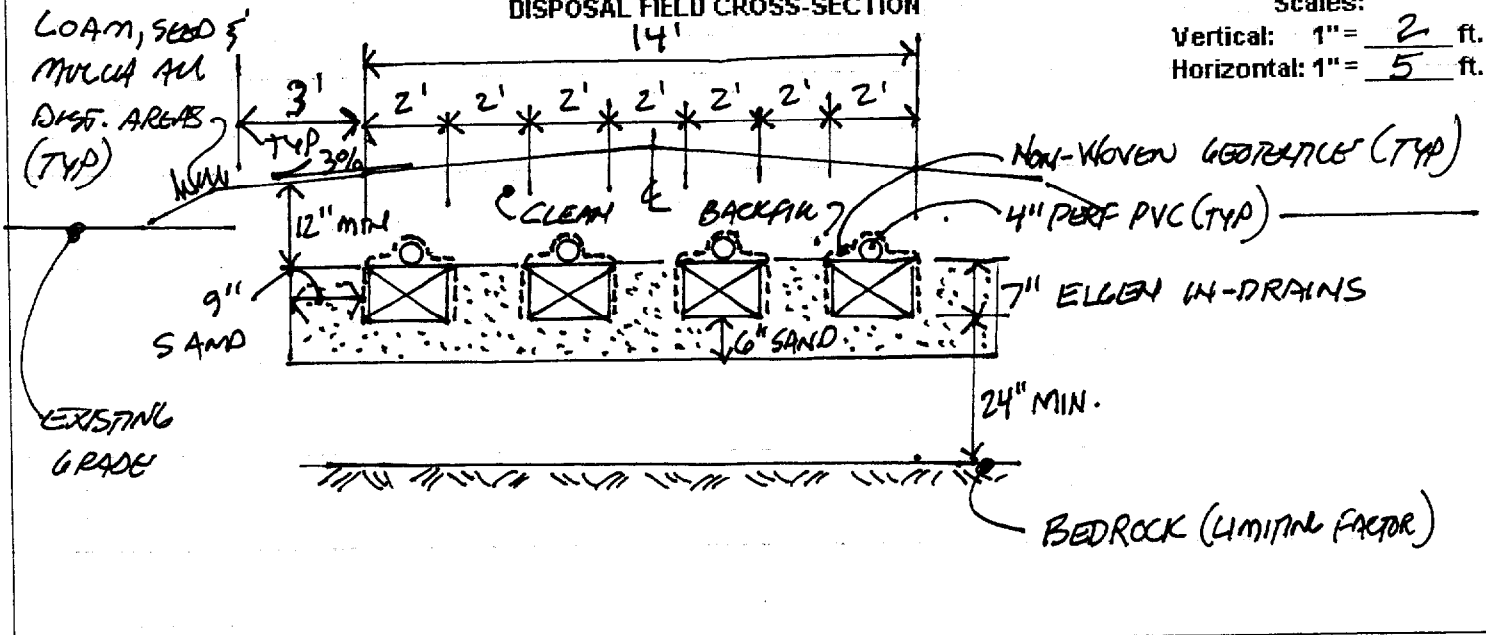
### ELEVATION REFERENCE POINT

Location & Description: **NAIL IN 14" OAK SET 46" ABOVE GRADE**  
 Reference Elevation is: **0.0"** or \_\_\_\_\_

### DISPOSAL FIELD CROSS-SECTION

Scales:

Vertical: 1" = 2 ft.  
 Horizontal: 1" = 5 ft.



*David A. Kinn*  
 Site Evaluator Signature

185  
 SE #

OCT. 31, 2003  
 Date

**OWNER/APPLICANT/INSTALLER RESPONSIBILITIES**

(revised March 17, 2000)

1. The owner/applicant named on this sub-surface wastewater disposal system application shall be responsible for the accuracy of the property line, well, underground utility, easement, dwelling size, bedroom count and other information depicted on this application which is not readily apparent and shall verify this information prior to signing this application. Land Use Consultants, Inc.(LUC) has relied on the representations by the owner/applicant for this information, and, if it is determined to be incorrect, the application shall be considered null and void. The owner/applicant shall indemnify and hold harmless LUC from any liability for any subsequent damages resulting therefrom. All costs associated with revisions, amendments and re-designs necessary to correct any owner/applicant misinformation will be billed to the owner/applicant.
2. The Maine Subsurface Waste Water Disposal Rules adopted by the State of Maine Department of Human Services pursuant to Title 22 MRSA §42 ( State Plumbing Code ) are incorporated in this application by reference and it is the responsibility of the owner/applicant and the installer to comply with all the requirements therein. The owner/applicant and the installer shall contact LUC with any questions related to this application. Any changes made to this application without the written consent of LUC shall render this application null and void and shall relieve LUC from any liability for any damages resulting therefrom.
3. The owner/applicant and the installer shall be responsible for compliance with all other applicable rules under local, state and federal jurisdiction including but not limited to; local zoning including Shoreland Zoning and flood plain ordinances, Natural Resources Protection Act, wetland regulations, subdivision regulations, Site Location of Development Law, Minimum Lot Size Law, Occupational Safety and Health Administration, and Dig Safe.
4. The owner/applicant or installer shall inform LUC if any local rules are more restrictive than the State Plumbing Code prior to construction and LUC will make any necessary revisions at no additional cost to the owner/applicant.
5. Garbage Disposals should not be installed without notifying LUC and will require increasing the septic tank size by 50% or installing a second tank in series.
6. You should have your septic tank pumped out and inspected every 3 years or sooner if signs of a malfunction occur such as slow draining, soft spots over the disposal bed or surfacing effluent.
7. Do not pour grease, oils, paint, chemicals or any commercial cleaners or additives to the system as they can cause premature failure.
8. Do not connect roof drains, foundation drains or water softeners to your system as they will

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Cause hydraulic overload and failure of your system.

9. Keep a record of the location of your septic tank and the pumping schedule for future Reference.
10. Do not allow any vehicles or heavy loads over your septic tank or system unless they are Designed to handle them.
11. This application was prepared based on information provided by the owner/applicant at the Time of the site evaluation and any subsequent changes which may materially affect this design such as but not limited to installation of wells by an abutter within the required set-back distance should be reported to LUC or this application shall be null and void.