

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: PERMIT REQUIRED - ATTACH IN SPACE BELOW <<	
City, Town, or Plantation	PORTLAND	<div style="font-size: 2em; font-weight: bold; opacity: 0.5;">2006-1033</div> PORTLAND PERMIT # 10390 TOWN COPY Date Permit Issued: <u>9/6/07</u> \$ <u>1,100</u> <input type="checkbox"/> Double Fee Charged Signature: <u>Jeanie Bourke</u> L.P.I. # <u>0732</u> Local Plumbing Inspector Signature	
Street or Road	CLIFF ISLAND		
Subdivision, Lot #			
OWNER/APPLICANT INFORMATION		<div style="font-size: 2em; font-weight: bold; opacity: 0.5;">109B BO15</div> Municipal Tax Map # <u>09</u> Lot # <u>BO15</u>	
Name (last, first, MI)	RIDEOUT, DOUG <input checked="" type="checkbox"/> Owner <input type="checkbox"/> Applicant		
Mailing Address of Owner/Applicant	10160 WARNER ROAD MILAN, WI 48160		
Daytime Tel. #	(734) 429-5913		
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. Signature: <u>Douglas Rideout</u> Date: <u>8/24/07</u>		I have inspected the installation authorized above and found it to be in compliance with the Subsurface Wastewater Disposal Rules Application. (1st) date approved _____ Local Plumbing Inspector Signature _____ (2nd) date approved _____	
PERMIT INFORMATION			
TYPE OF APPLICATION	THIS APPLICATION REQUIRES	DISPOSAL SYSTEM COMPONENTS	
<input type="checkbox"/> 1. First Time System <input checked="" type="checkbox"/> 2. Replacement System Type replaced: <u>OBD</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 Approval <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 Approval <input type="checkbox"/> 4. Minimum Lot Size Variance <input type="checkbox"/> 5. Seasonal Conversion Permit	<input 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 checked="" 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	DISPOSAL SYSTEM TO SERVE	TYPE OF WATER SUPPLY	
± _____ SQ. FT. <input checked="" type="checkbox"/> ACRES	<input checked="" type="checkbox"/> 1. Single Family Dwelling Unit, No. of Bedrooms: <u>3</u> <input type="checkbox"/> 2. Multiple Family Dwelling, No. of Units: _____ <input type="checkbox"/> 3. Other: _____ (specify) Current Use <input checked="" type="checkbox"/> Seasonal <input type="checkbox"/> Year Round <input type="checkbox"/> Undeveloped		
SHORELAND ZONING			
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)			
TREATMENT TANK	DISPOSAL FIELD TYPE & SIZE	GARBAGE DISPOSAL UNIT	DESIGN FLOW
<input type="checkbox"/> 1. Concrete <input type="checkbox"/> a. Regular <input type="checkbox"/> b. Low Profile <input type="checkbox"/> 2. Plastic EXISTING <input type="checkbox"/> 3. Other: _____ CAPACITY: _____ GAL.	<input type="checkbox"/> 1. Stone Bed <input type="checkbox"/> 2. Stone Trench <input type="checkbox"/> 3. Proprietary Device <input type="checkbox"/> a. cluster array <input type="checkbox"/> c. Linear <input type="checkbox"/> b. regular load <input type="checkbox"/> d. H-20 load <input checked="" type="checkbox"/> 4. Other: INDRAINS SIZE: <u>900</u> <input checked="" type="checkbox"/> sq. ft. <input type="checkbox"/> lin. ft.	<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	_____ 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
SOIL DATA & DESIGN CLASS	DISPOSAL FIELD SIZING	EFFLUENT/EJECTOR PUMP	LATITUDE AND LONGITUDE at center of disposal area Lat. <u>43</u> d <u>41</u> m <u>55</u> s Lon. <u>70</u> d <u>06</u> m <u>18</u> s if g.p.s, state margin of error: <u>±10'</u>
PROFILE <u>2</u> / <u>AIII</u> / <u>I</u> at Observation Hole # _____ Depth <u>36</u> " of Most Limiting Soil Factor	<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 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 <u>6/2/06</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: <u>[Signature]</u> Site Evaluator Signature		267 SE #	10/1/06 Date
ALAN L. BURNELL Site Evaluator Name Printed		781-5242 Telephone Number	ABURNELL@PINKHAMANDGREER.COM E-mail Address
Note: Changes to or deviations from the design should be confirmed with the Site Evaluator.			HHE-200 Rev. 8/01

Town, City, Plantation PORTLAND	Street, Road, Subdivision CLIFF ISLAND	Owner's Name DOUG RIDEOUT
---	--	-------------------------------------

SITE PLAN Scale 1" = <u>40</u> ft. or as shown	SITE LOCATION PLAN (map from Maine Atlas recommended)
---	---



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

Observation Hole # 4 Test Pit Boring
4 " Depth of Organic Horizon Above Mineral Soil

Depth Below Mineral Soil Surface (inches)	Texture	Consistency	Color	Mottling
0	SANDY LOAM	FRIABLE	DK. BROWN	
10			YEL BROWN	
20	LOAMY SAND		LGT BROWN	
30				
40				
40		BEDROCK		
50				

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

Depth Below Mineral Soil Surface (inches)	Texture	Consistency	Color	Mottling
0				
10				
20				
30				
40				
50				

Soil Classification <u>2</u> <u>AIII</u> Profile Condition	Slope <u>2</u> %	Limiting Factor <u>36</u> "	<input type="checkbox"/> Ground Water <input type="checkbox"/> Restrictive Layer <input checked="" type="checkbox"/> Bedrock <input type="checkbox"/> Pit Depth
---	---------------------	--------------------------------	--

Soil Classification _____ Profile Condition	Slope _____%	Limiting Factor _____"	<input type="checkbox"/> Ground Water <input type="checkbox"/> Restrictive Layer <input type="checkbox"/> Bedrock <input type="checkbox"/> Pit Depth
--	-----------------	---------------------------	---

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

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

Town, City, Plantation

Street, Road, Subdivision

Owner's Name

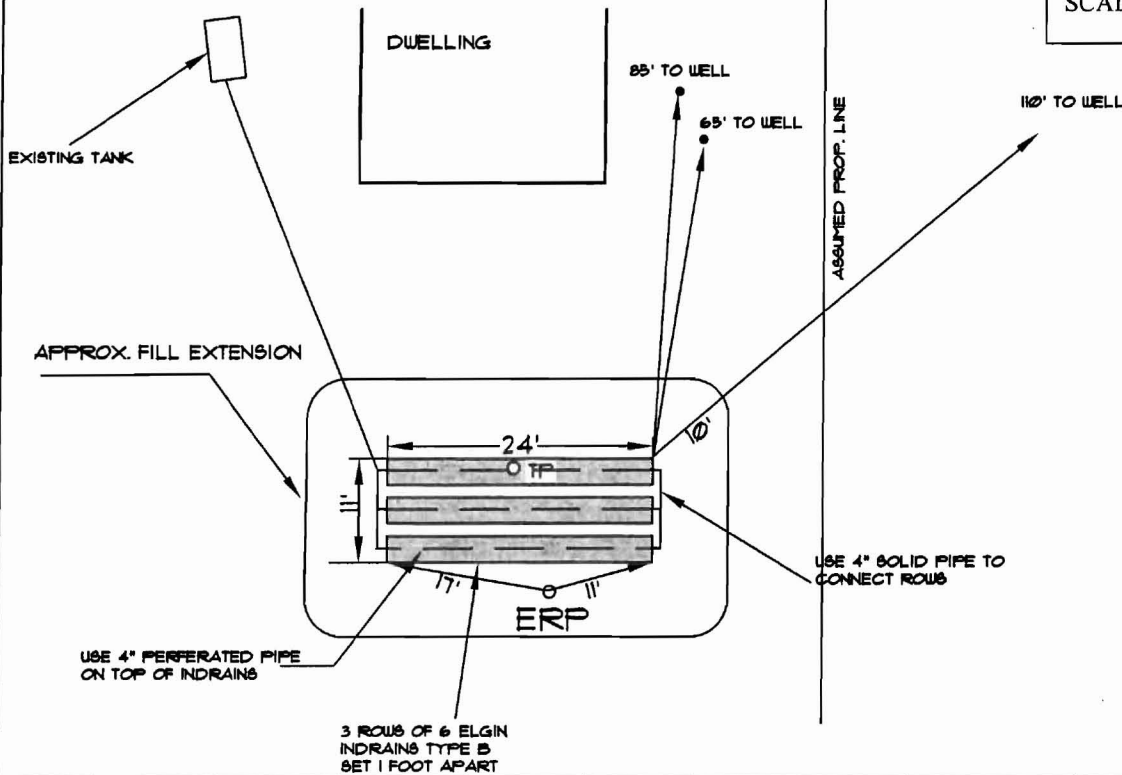
PORTLAND

CLIFF ISLAND

DOUG RIDEOUT

SUBSURFACE WASTEWATER DISPOSAL PLAN

SCALE: 1" = 20 FT.



FILL REQUIREMENTS

CONSTRUCTION ELEVATIONS

ELEVATION REFERENCE POINT

Depth of Fill (Upslope) 12"
 Depth of Fill (Downslope) 12"

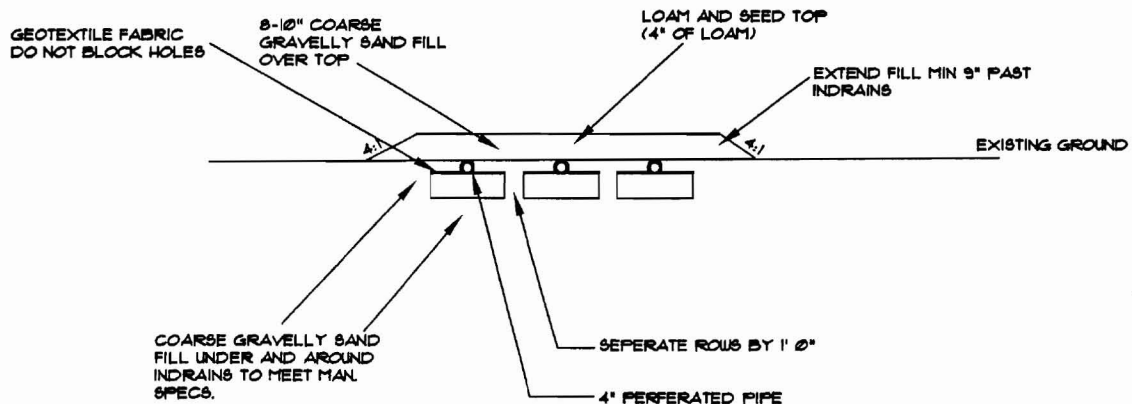
Finished Grade Elevation -12
 Top of Distribution Pipe or Proprietary Device -25
 Bottom of Disposal Area -36

Location & Description: NAIL IN TREE 21" ABOVE GRD
 Reference Elevation: 0"

DISPOSAL AREA CROSS SECTION

Scale

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



[Handwritten Signature]

Site Evaluator Signature

267

SE #

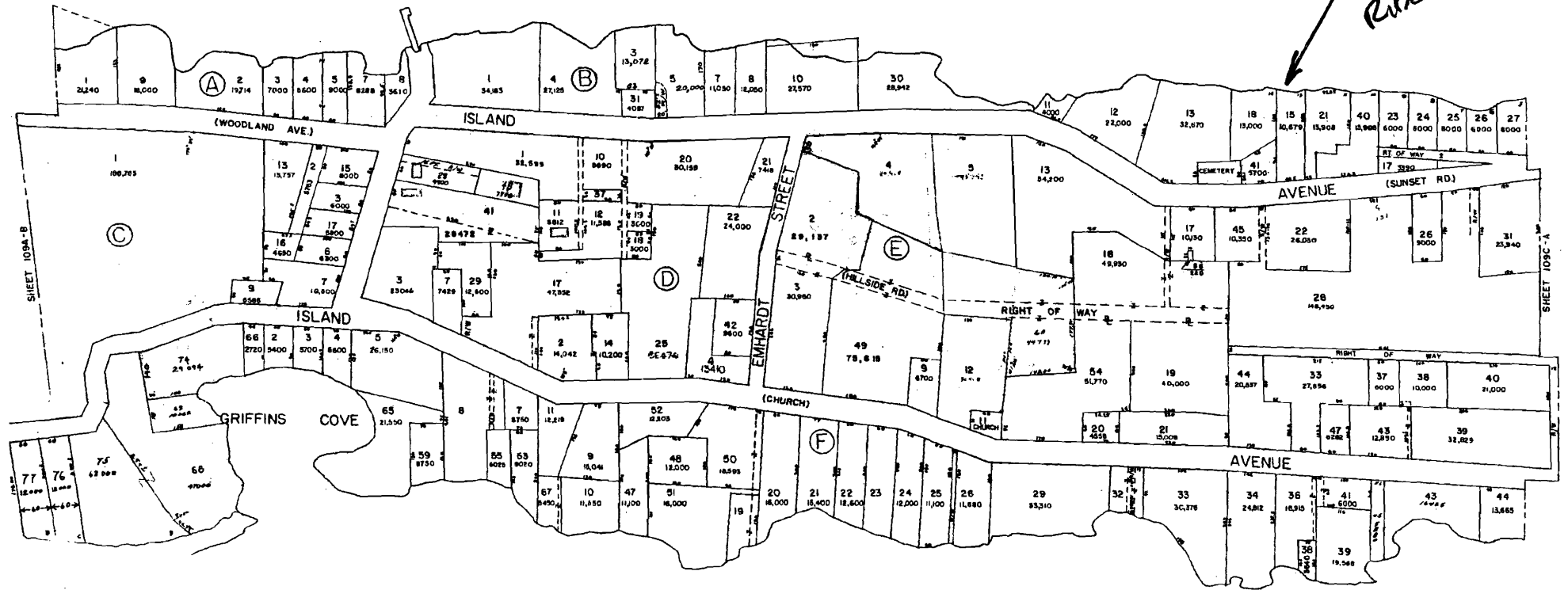
10/1/06

Date

Nº 109-B

CLIFF ISLAND

DOG
RUNEOUT

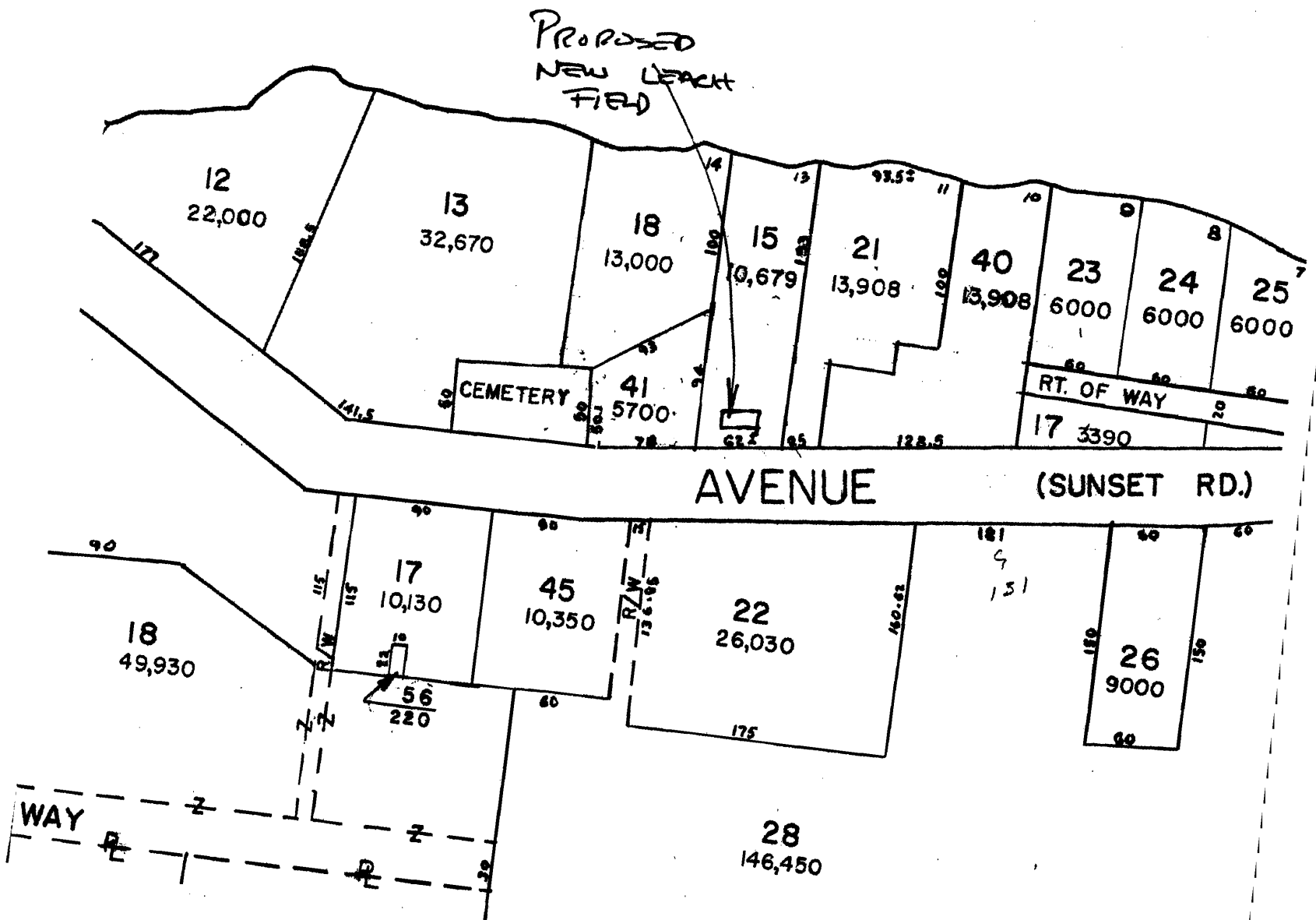


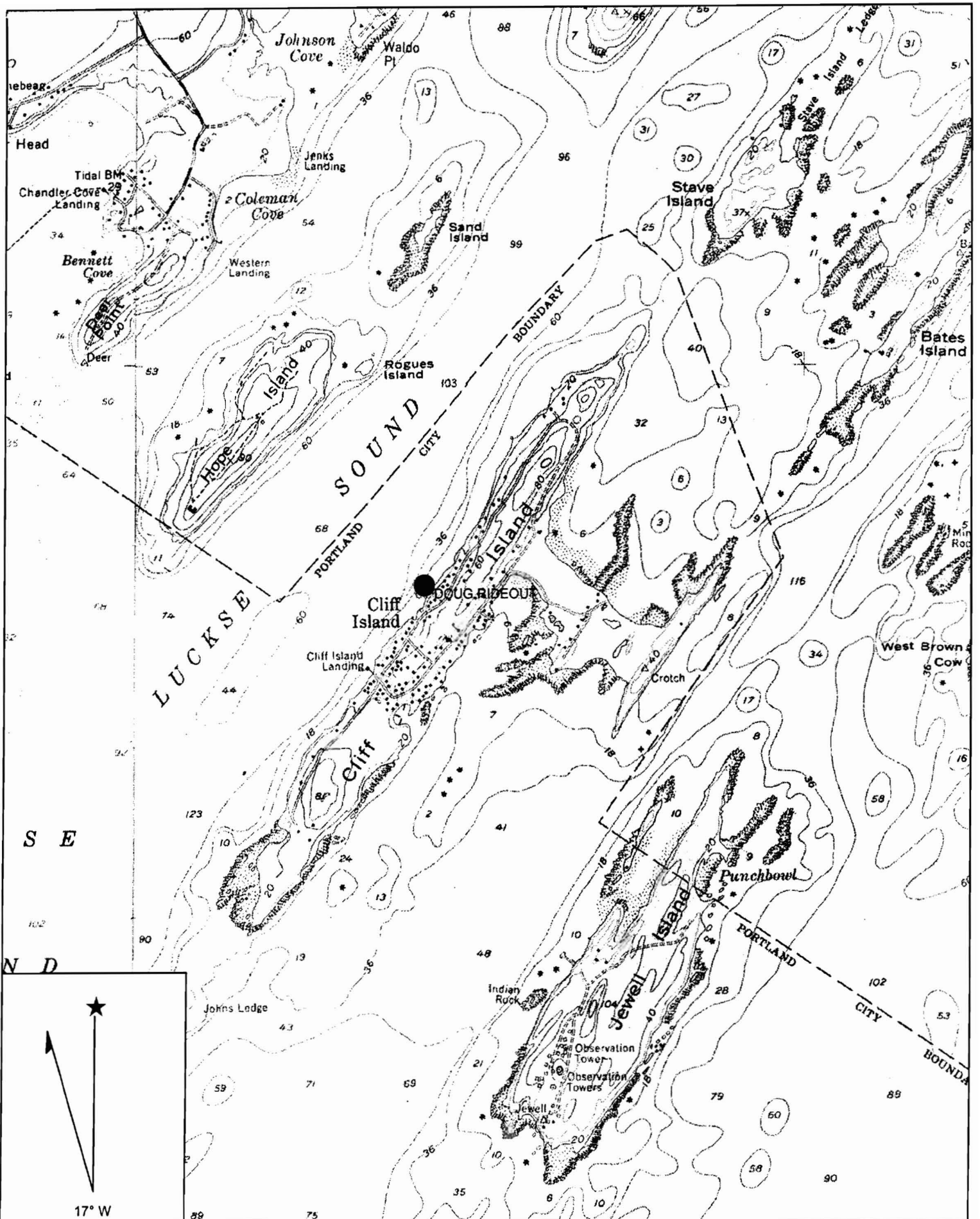
MAP 109-B

LOT #15

POOG RINEOUT

1" = 100'





Name: SOUTH HARPSWELL
 Date: 11/20/2006
 Scale: 1 inch equals 2000 feet

Location: 043° 41' 50.0" N 070° 06' 10.8" W
 Caption: DOUG RIDGOUT
 CLIFF ISLAND
 PORTLAND, ME

Top Ten Tank Tips

1. Pump your septic tank every two to five years, depending how heavily the system is used. Insist that the pumper clean your septic tank through the manhole in the center of the top of your septic tank, rather than the inspection ports above the inlet and outlet baffles.
2. If you use a garbage grinder (a.k.a. "dispose-all"), pump your tank every year. Or, better yet, remove the garbage grinder and compost your kitchen scraps. Garbage grinder use leads to buildups of grease from meat scraps and bones, and insoluble vegetable solids such as cellulose and lignin.
3. Keep kitchen grease, such as bacon fat and deep fryer oil, out of your septic system. It is not broken down easily by your system, can clog your drain field, and can not be dissolved by any readily available solvent that is legal to introduce to groundwater.
4. Space out laundry loads over the course of the week and wash only full loads. The average load of laundry uses 47 gallons of water. One load per day rather than 7 loads on Saturday makes a big difference to your septic system.

Also, front loading washers use less water than top loading machines.

5. Install low usage water fixtures. By installing low water usage showerheads (2.5 gallons/minute), toilets (1.6 gallons), dishwashers (5.3 gallons) and washing machines (14 gallons) an average family can reduce the amount of water entering the septic system by 20,000 gallons per year! Low flow showerheads and toilets can be purchased at local lumberyards. Water saving dishwashers and washing machines can be purchased at better appliance stores.
6. Install a septic tank outlet filter in your tank. These generally sell for \$100 to \$200 depending upon brand and model. They catch small floating particles and lightweight solids, such as hair, before they can make it out to the disposal area and cause trouble. Some models are also designed to capture suspended grease.
7. Use liquid laundry detergent. Powered laundry detergents use clay as a "carrier." This clay can hasten the buildup of solids in the septic tank and potentially plug the disposal area.
8. Minimize the amount of household cleaners (bleach, harsh cleaners) and similar potentially toxic

substances entering the septic system. Pump your septic tank every 6 to 12 months if you do lots of painting or staining, as with a home remodel or renovation, and you wash the tools in a sink or basin which drains to the septic system. Note: some substances are not allowed to be introduced into septic systems or groundwater tables. If in doubt, contact the Local Plumbing Inspector for more information.

9. Do not use disinfecting automatic toilet bowl cleaners, such as those containing bleach or acid compounds. The continuous slow release of these chemicals into the septic system kills the micro-organisms which treat your waste water.
10. You do not need to put special additives into your septic system. In fact, some can do more harm than good. Those which advertise that they will remove solids from your tank, usually do. The problem is that the solids exit the tank and end up in the disposal field. Once there, the solids seal off the disposal area, and the system malfunctions. Also, although it hurts nothing, it is not necessary to "seed" a new system with yeast, horse manure, and so forth. Normal human waste contains enough bacteria for the septic tank, and other microbes are already present in the soil and stones of the disposal area.