

2004 6012

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Department of Marine Services
Division of Health Engineering, Station 10, 315
1207, 867-5677 FAX (207) 781-4172

PROPERTY LOCATION		>> Caution: Permit Required - Attacks In Space Below <<	
City, Town, or Plantation	PORTLAND, DIAMOND COVE	PORTLAND 9044 TOWN COPY \$11010100 L.P.I. = Ok 4/0 Local Plumbing Inspector Signature	
Street or Road	WEST SHORE DRIVE		
Subdivision, Lot #	LOT 17 PHASE 2		
OWNER/APPLICANT INFORMATION			
Home (Apt., First, MI)	SATTA EDWARD	Owner Applicant	
Mailing Address of	17 PICKPOCKET ROAD BRENTWOOD, NH 03833		
Daytime Tel. #	603-773-5655	Municipal Tax Map - 069 EA Lot - 010	
Owner of Applicant Statement		Caution: Inspections 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.		I have inspected the installation authorized above and found it to be in compliance with the Subsurface Wastewater Disposal Rules Application.	
Signature of Owner/Applicant		Local Plumbing Inspector Signature	
Date		Date	

EXPIRED

TYPE OF APPLICATION		THIS APPLICATION REQUIRES		DISPOSAL SYSTEM COMPONENTS	
1. <input checked="" type="checkbox"/> First Time System 2. <input type="checkbox"/> Replacement System Type Replaced: _____ Year installed: _____ 3. <input type="checkbox"/> Expanded System a. <input type="checkbox"/> Minor Expansion b. <input type="checkbox"/> Major Expansion 4. <input type="checkbox"/> Experimental System 5. <input type="checkbox"/> Seasonal Conversion		1. <input checked="" type="checkbox"/> No Rule Variance 2. <input type="checkbox"/> First Time System Variance a. <input type="checkbox"/> Local Plumbing Inspector Approval b. <input type="checkbox"/> State & Local Plumbing Inspector Approval 3. <input type="checkbox"/> Replacement System Variance a. <input type="checkbox"/> Local Plumbing Inspector Approval b. <input type="checkbox"/> State & Local Plumbing Inspector Approval 4. <input type="checkbox"/> Minimum Lot Size Variance 5. <input type="checkbox"/> Seasonal Conversion Approval		1. <input type="checkbox"/> Primitive Non-Engineered System 2. <input type="checkbox"/> Primitive System (graywater & off toilet) 3. <input type="checkbox"/> Alternative Toilet, specify: _____ 4. <input type="checkbox"/> Non-Engineered Treatment Tank (only) 5. <input type="checkbox"/> Holding Tank, _____ Gallons 6. <input type="checkbox"/> Non-Engineered Disposal Field (only) 7. <input type="checkbox"/> Separated Laundry System 8. <input type="checkbox"/> Complete Engineered System 2000/gpd+ 9. <input type="checkbox"/> Engineered Treatment Tank (only) 10. <input type="checkbox"/> Engineered Disposal Field (only) 11. <input type="checkbox"/> Pre-treatment, specify: _____ 12. <input type="checkbox"/> Miscellaneous components	
SIZE OF PROPERTY		DISPOSAL SYSTEM TO SERVE		TYPE OF WATER SUPPLY	
59,732 <input checked="" type="checkbox"/> sq. ft. <input type="checkbox"/> acres		1. <input checked="" type="checkbox"/> Single Family Dwelling Unit, No. of Bedrooms: 4 2. <input type="checkbox"/> Multiple Family Dwelling, No. of Units: _____ 3. <input type="checkbox"/> Other: _____ Specify: _____		1. <input type="checkbox"/> Drilled Well 2. <input type="checkbox"/> Dug Well 3. <input type="checkbox"/> Private 4. <input checked="" type="checkbox"/> Public 5. <input type="checkbox"/> Other: _____	
SHORELAND ZONING		CURRENT USE			
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Seasonal <input type="checkbox"/> Year Round <input checked="" type="checkbox"/> Underdeveloped			

DESIGN DETAILS SYSTEM LAYOUT SHOWN ON PAGE 3

TREATMENT TANK		DISPOSAL FIELD TYPE & SIZE		GARBAGE DISPOSAL UNIT		DESIGN FLOW	
1. <input checked="" type="checkbox"/> Concrete a. <input checked="" type="checkbox"/> Regular b. <input type="checkbox"/> Low Profile 2. <input type="checkbox"/> Plastic 3. <input type="checkbox"/> Other CAPACITY: 1000 gallons		1. <input type="checkbox"/> Stone Bed 2. <input type="checkbox"/> Stone Trench 3. <input checked="" type="checkbox"/> Proprietary Device a. <input type="checkbox"/> Cluster array c. <input type="checkbox"/> Linear b. <input checked="" type="checkbox"/> Regular d. <input type="checkbox"/> H-20 loaded 4. <input type="checkbox"/> Other SIZE: 1344 <input checked="" type="checkbox"/> sq. ft. <input type="checkbox"/> lin. ft. 28 ELJEN IN-DRIAN UNITS		1. <input checked="" type="checkbox"/> No 3. <input type="checkbox"/> Maybe 2. <input type="checkbox"/> Yes > Specify one below: a. <input type="checkbox"/> Multi-compartment tank b. <input type="checkbox"/> _____ tanks in series c. <input type="checkbox"/> Increase if tank capacity d. <input checked="" type="checkbox"/> Filter on tank outlet		360 gallons per day BASED ON: 1. <input checked="" type="checkbox"/> Table 501.1 (dwelling units) 2. <input type="checkbox"/> Table 501.2 other facilities SHOW CALCULATIONS - for other facilities -	
SOIL DATA & DESIGN CLASS		DISPOSAL FIELD SIZING		PUMPING		4 BEDROOMS AT 90 GALLONS PER DAY EACH	
PROFILE: 2 DESIGN: A AT Observation hole - TBD Depth: 24" OF MOST LIMITING SOIL FACTOR		1. <input type="checkbox"/> Small - 20 sq ft./gpd 2. <input type="checkbox"/> Medium - 2.6 sq.ft./gpd 3. <input checked="" type="checkbox"/> Medium-Large - 3.3 sq.ft./gpd 4. <input type="checkbox"/> Large - 4.1 sq ft./gpd 5. <input type="checkbox"/> Extra Large - 5.0 sq ft./gpd		1. <input type="checkbox"/> Not required 2. <input type="checkbox"/> May be required 3. <input checked="" type="checkbox"/> Required >> Specify only for engineered or experimental systems: DOSE: _____ Gallons		3. <input type="checkbox"/> Section 503.0 (meter readings) ATTACH WATER-METER DATA	

SITE EVALUATOR STATEMENT

I certify that on 9/5/03, I date I 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 (0-144A DMR 247).

Site Evaluator Signature: Albert Frick SE # 43 Date: 9/12/2003

Site Evaluator Name Printed: ALBERT FRICK Telephone Number: (207) 839-5655 E-mail Address: ALBERTFRICK@WORLDNET.ATTNE.T

ALBERT FRICK ASSOCIATES - 18A COUNTY ROAD ROAD OGDUNN, MAINE 04038 - (207) 839-5653
 Note: Changes to or deviations from the design should be confirmed with the Site Evaluator

MHE-200 Rev. 8/01

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Department of Human Services
 Division of Health Engineering, 330 State St. SHS
 (207) 287-5872 Fax (207) 287-4172

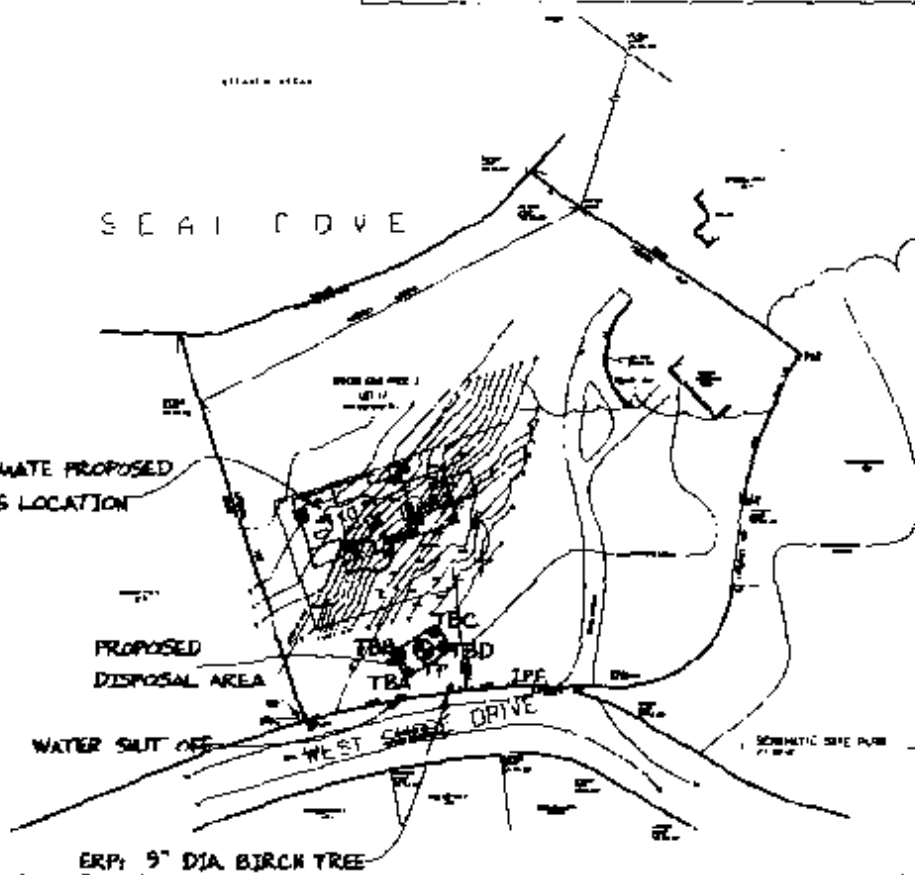
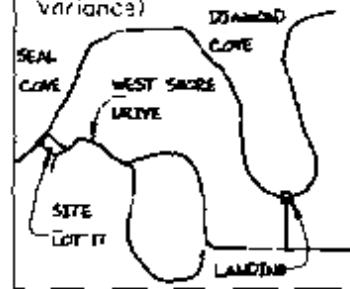
Town, City, Plantation
PORTLAND, DIAMOND COVE

Street, Road Subdivision
WEST SHORE DRIVE, LOT 17

Owner's Name
EDWARD GATTA

SITE PLAN Scale 1" = 100 Ft. or as shown

SITE LOCATION PLAN (Attach Map from Maine Atlas for New System variance)



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

Observation Hole TP1 Test Pit Boring
 " Depth of Organic Horizon Above Mineral Soil

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

DEPTH BELOW MINERAL SOIL SURFACE (Inches)	Texture	Consistency	Color	Mottling
0			DARK BROWN	
10	SANDY LOAM	RELABLE		
20			DARK YELLOW BROWN	
30				
40				
45	BEDROCK			

Soil Classification: 2
Profile

Slope: 2

Limiting Factor: 42

Ground Water
 Restrictive Layer
 Bedrock
 Pit Depth

DEPTH BELOW MINERAL SOIL SURFACE (Inches)	Texture	Consistency	Color	Mottling
0				
6				
20				
27	TBA = 27' TO BEDROCK			
26	TBB = 26' TO BEDROCK			
29	TBC = 29' TO BEDROCK			
26	TBD = 26' TO BEDROCK			
30				
40				
50				

Soil Classification:
Profile

Slope:

Limiting Factor:

Ground Water
 Restrictive Layer
 Bedrock
 Pit Depth

Albert Frick
 Site Evaluator Signature

K3
 SE

9/12/2003
 Date

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Albert Frick Associates, Inc.

Soil Scientists & Site Evaluators

91A County Road Gorham, Maine 04038

(207) 839-5563

<u>TOWN</u>	<u>LOCATION</u>	<u>APPLICANT'S NAME</u>
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PORTLAND, DIAMOND COVE

WEST SHORE DRIVE, LOT 17

EDWARD GATTA

1) The Plumbing and Subsurface Wastewater Disposal Rules adopted by the State of Maine, Department of Human Services pursuant to 22 M.R.S.A. § 42 (the "Rules") are incorporated herein by reference and made a part of this application and shall be consulted by the owner/applicant, the system installer and/or building contractor for further construction details and material specifications. The system installer should contact Albert Frick Associates, Inc. 839-5563, if there are any questions concerning materials, procedures or designs. The system installer and/or building contractor installing the system shall be solely responsible for compliance with the Rules and with all state and municipal laws and ordinances pertaining to the permitting, inspection and construction of subsurface wastewater disposal systems.

2) This application is intended to represent facts pertinent to the Rules only. It shall be the responsibility of the owner/applicant, system installer and/or building contractor to determine compliance with and to obtain permits under all applicable local, state and/or federal laws and regulations (including, without limitation, Natural Resources Protection Act, wetland regulations, zoning ordinances, subdivision regulations, Site Location of Development Act and minimum lot size laws) before installing this system or considering the property on which the system is to be installed a "buildable" lot. It is recommended that a wetland scientist be consulted regarding wetland regulations.

Prior to the commencement of construction/installation, the local plumbing inspector shall inform the owner/applicant and Albert Frick Associates, Inc. of any local ordinances which are more restrictive than the Rules in order that the design may be amended. All designs are subject to review by local, state and/or federal authorities. Albert Frick Associates, Inc.'s liability shall be limited to revisions required by regulatory agencies pursuant to laws or regulations in effect at the time of preparation of this application.

3) All information shown on this application relating to property lines, well locations, subsurface structures and underground facilities (such as utility lines, drains, septic systems, water lines, etc.) are based solely upon information provided by the owner/applicant and has been relied upon by Albert Frick Associates, Inc. in preparing this application. The owner/applicant shall review this application prior to the start of construction and confirm this information.

4) Installation of a garbage (grinder) disposal is not recommended. If one is installed, an additional 1000 gallon septic tank or a septic tank filter should be connected in series to the proposed septic tank.

5) The system user shall avoid introducing kitchen grease or fats into this system. Chemicals such as septic tank cleaners and/or chlorine (such as from water treatment) and controlled or hazardous substances shall not be disposed of in this system.

ATTACHMENT TO SUBSURFACE WASTEWATER DISPOSAL APPLICATION

PORTLAND, DIAMOND COVE

WEST SHORE DRIVE, LOT 7

EDWARD SATTA

TOWN

LOCATION

APPLICANT'S NAME

6) The septic tank should be pumped within two years of installation and subsequently as recommended by the pump service, but in no event should the septic tank be pumped less often than every three years.

7) The actual water flow or number of bedrooms shall not exceed the design criteria indicated on this application without a re-evaluation of the system as proposed. If the system is supplied by public water or a private service with a water meter, the water consumption per period should be divided by the number of days to calculate the average daily water consumption (water usage (cu. ft.) x 7.48 cu. ft. (gallons per cu. ft.) divided by the # of days in period).

8) The general minimum setbacks between a well and septic system serving a single family residence is 100-300 feet, unless the local municipality has a more stringent requirement. A well installed by an abutter within the minimum setback distances prior to the issuance of a permit for the proposed disposal system may void this design.

9) When a gravity system is proposed: BEFORE CONSTRUCTION/INSTALLATION BEGINS, the system installer or building contractor shall review the elevations of all points given in this application and the elevation of the existing and/or proposed building drain and septic tank inverts for compatibility to minimum slope requirements. In gravity systems, the invert of the septic tank outlet(s) shall be at least 4 inches above the invert of the distribution box outlet at the disposal area. When an effluent pump is required, provisions shall be made to make certain that surface ground water does not enter the septic tank or pump station. An alarm device warning of a pump failure shall be installed. Also, when pumping is required of a chamber system, install a "T" connection in the distribution box and place 3 inches of stone or a splash plate in the first chamber. Insulate gravity pipes, pump lines and the distribution box as necessary to prevent freezing.

10) On all systems, remove the vegetation, organic duff and old fill material from under the disposal area and any fill extension. On sites where the proposed system is to be installed in natural soil, scarify the bottom and sides of the excavated disposal area with a rake. Do not use wheeled equipment on the scarified soil surface. For systems installed in fill, scarify the native soil by rototilling to a depth of at least 6 inches over the entire disposal and fill extension area to prevent glazing and to promote fill bonding. Place fill in loose layers no deeper than 8 inches and compact thoroughly before placing more fill (this ensures that voids and loose pockets are eliminated to minimize the chance of leakage). Do not use wheeled equipment on the scarified soil area until after 12 inches of fill is in place. Keep equipment off the chambers. Divert the surface water away from the disposal area by ditching or shallow swales.

11) Unless noted otherwise, fill shall be gravelly coarse sand which contains no more than 5% fines (silt and clay).

12) Do not install systems on loamy, silty, or clayey soils during wet periods since soil smearing/glazing may seal off the soil interface.

13) Seed all filled and disturbed surfaces with perennial grass seed, then mulch with hay or equivalent



Albert Frick Associates, Inc.

Soil Scientists & Site Evaluation

95A County Road, Gorham, Maine 04038

(207) 839-5363