



CITY OF PORTLAND, MAINE

Department of Building Inspections

Original Receipt

11.23 2009

Received from Lionel LaPlante Assoc

Location of Work 314 Pleasant St

Cost of Construction \$ _____ Building Fee: _____

Permit Fee \$ _____ Site Fee: _____

Certificate of Occupancy Fee: _____

Total: 100

Building (I1) _____ Plumbing (I5) _____ Electrical (I2) _____ Site Plan (U2) _____

Other Sub Surface

CBL: 70 P 001

Check #: 26673 Total Collected \$ 110

**No work is to be started until permit issued.
Please keep original receipt for your records.**

Taken by: J. J. J.

WHITE - Applicant's Copy
YELLOW - Office Copy
PINK - Permit Copy

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Dept. of Health & Human Services
Division of Environmental Health, Sp#3 11
(207) 287-5689 FAX (207) 287-3165

| | | | |
|------------------------------------|------------------------|---|-----------------------------------|
| PROPERTY LOCATION | | >> Caution: Permit Required - Attach In Space Below << | |
| City, Town, or Plantation | PORTLAND; PEAKS ISLAND | | |
| Street or Road | 214 PLEASANT STREET | | |
| Subdivision, Lot # | | | |
| OWNER/APPLICANT INFORMATION | | Date Permit Issued: 11/25/09 | PERMIT # 11123 TOWN COPY |
| Name (last, first, MI) | CAREY ERIC & PRISCILLA | Local Plumbing Inspector Signature: <i>Thomas H. Marley</i> | \$ 1 ✓ P P FEE Double Fee Charged |
| Mailing Address of | 4041 25th ST. N | L.P.I. # 0244 | |
| Owner / Applicant | ARLINGTON, VA 22207 | | |
| Daytime Tel # | | Municipal Tax Map # 90 | Lot # P00/001 |

| | |
|--|---|
| Owner or 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 <u>Summit</u> above and found it to be in compliance with the Subsurface Wastewater Disposal Rules Application. |
| Signature of Owner/Applicant: <i>Daniel M. McKernan/agent</i> Date: 11-23-09 | Local Plumbing Inspector Signature: <i>Sag Hunter</i> Date Approved: 12/07/09 |

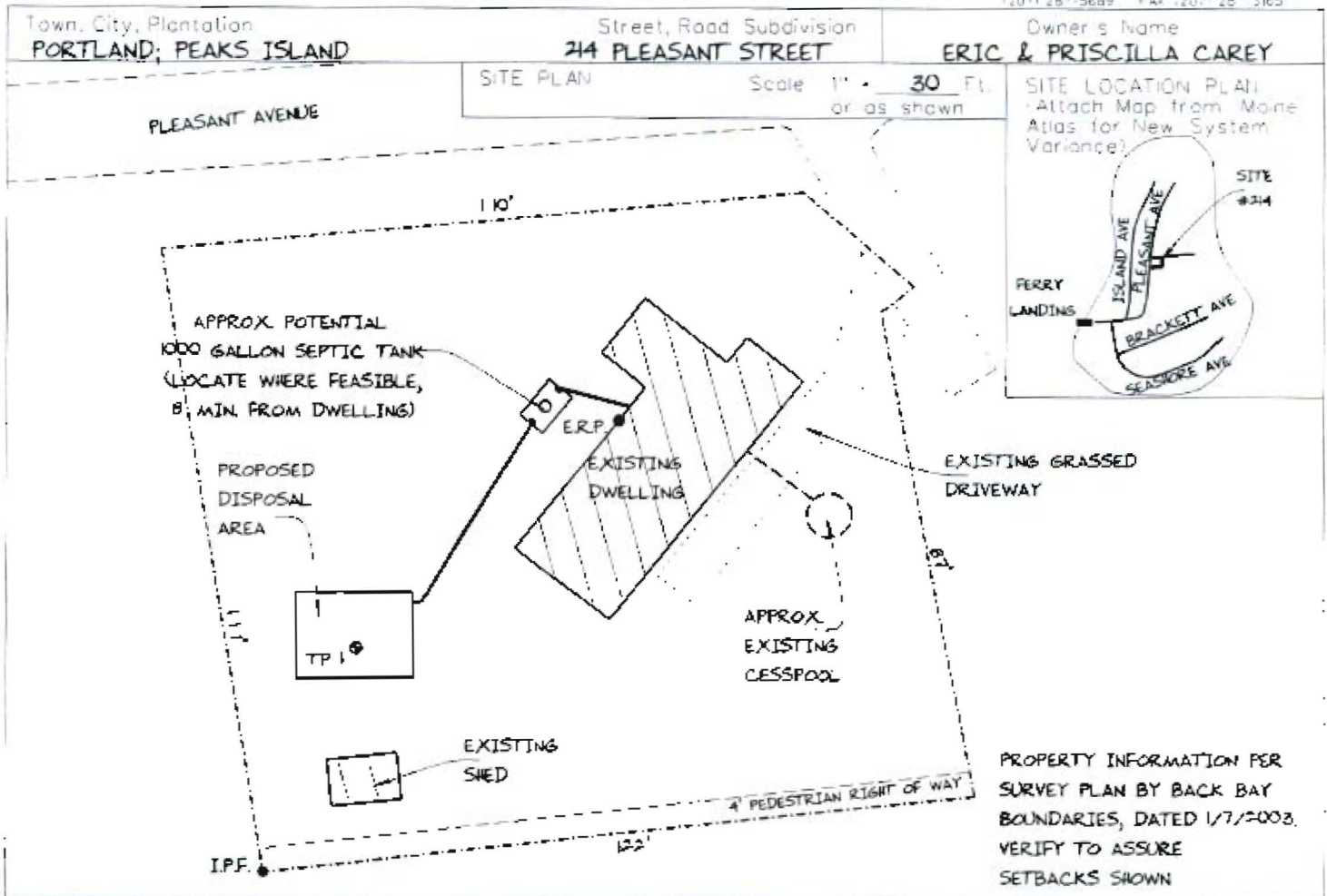
| PERMIT INFORMATION | | |
|---|---|---|
| TYPE OF APPLICATION (Check only one item) 1. <input type="checkbox"/> First Time System 2. <input checked="" type="checkbox"/> Replacement System Type Replaced: <u>CESSPOOL</u> Year Installed: <u>PRE 1974</u> 3. <input type="checkbox"/> Expanded System 4. <input type="checkbox"/> Experimental System | THIS APPLICATION REQUIRES 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. Replacement System Variance a. <input type="checkbox"/> Local Plumbing Inspector Approval b. <input type="checkbox"/> State & Local Plumbing Inspector Approval | DISPOSAL SYSTEM COMPONENTS 1. <input checked="" type="checkbox"/> Complete Non-Engineered System 2. <input type="checkbox"/> Primitive System (graywater & oil toilet) 3. <input type="checkbox"/> Pit Privy 5. <input type="checkbox"/> Holding Tank, _____ Gallons 6. <input type="checkbox"/> Non-Engineered Disposal Field (only) 7. <input type="checkbox"/> Graywater System 8. <input type="checkbox"/> Complete Engineered System (2000 gpd) 10. <input type="checkbox"/> Engineered Disposal Field (only) 11. <input type="checkbox"/> Pre-treatment, specify _____ (Item numbers are used for data entry purposes) |
| SIZE OF PROPERTY 0.30 <input type="checkbox"/> sq ft <input checked="" type="checkbox"/> acres | DISPOSAL SYSTEM TO SERVE 1. <input checked="" type="checkbox"/> Single Family Dwelling Unit, No. of Bedrooms: <u>3</u> 2. <input type="checkbox"/> Multiple Family Dwelling, No. of Units _____ 3. <input type="checkbox"/> Other _____ (specify) | SEASONAL TYPE OF WATER SUPPLY 1. <input type="checkbox"/> Drilled Well 2. <input type="checkbox"/> Dug Well 3. <input type="checkbox"/> Spring 4. <input checked="" type="checkbox"/> Public 5. <input type="checkbox"/> Other _____ |

| DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3) | | | |
|--|--|---|---|
| TREATMENT TANK 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: <u>1000</u> gallons | DISPOSAL FIELD TYPE & SIZE 1. <input type="checkbox"/> Stone Bed <input type="checkbox"/> Stone Trench 3. <input checked="" type="checkbox"/> Proprietary Device a. <input type="checkbox"/> Cluster array c. <input checked="" type="checkbox"/> Linear b. <input checked="" type="checkbox"/> Regular a. <input type="checkbox"/> H-20 loaded 4. <input type="checkbox"/> Other _____ SIZE: <u>960</u> sq ft <input type="checkbox"/> in ft 20 ELJEN IN-DRAIN UNITS | GARBAGE DISPOSAL UNIT 1. <input checked="" type="checkbox"/> No 2. <input type="checkbox"/> Yes If Yes Specify one below: a. <input type="checkbox"/> Multi-compartment tank b. <input type="checkbox"/> _____ tanks in series c. <input type="checkbox"/> Increase in tank capacity d. <input type="checkbox"/> Filter on tank outlet | DESIGN FLOW 270 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 3 BEDROOMS AT 90 GALLONS PER DAY EACH |
| SOIL DATA & DESIGN CLASS PROFILE: <u>3</u> CONDITION: <u>C</u> DESIGN: <u>I</u> AT Observation Hole: <u>TP 1</u> Depth: <u>30</u> " Elevation: <u>-33</u> OF MOST LIMITING SOIL FACTOR | DISPOSAL FIELD SIZING 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 (Item numbers are used for data entry purposes) | EFFLUENT/EJECTOR PUMP 1. <input type="checkbox"/> Not required 2. <input type="checkbox"/> Required SEE NOTE ON PAGE 3 Specify only for engineered systems DOSE: _____ Gallons | LATITUDE AND LONGITUDE at center of disposal area Lat: <u>N43</u> d <u>39</u> m <u>56.5</u> s Lon: <u>W70</u> d <u>11</u> m <u>3.6</u> s (page, state margin of error) |

| SITE EVALUATOR STATEMENT | |
|---|-----------------------|
| I certify that on <u>10/20/09</u> (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 (10-144A CMP 241). | |
| Signature: <i>Albert Frick</i> | Date: <u>11/11/09</u> |

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Dept. of Health & Human Services
 Division of Environmental Health, SHS 11
 (207) 287-5689 Fax (207) 287-3165



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

Observation Hole: TP 1 Test Pit Boring
 Depth of Organic Horizon Above Mineral Soil: _____

| DEPTH BELOW MINERAL SOIL SURFACE (FEET) | Texture | Consistency | Color | Mottling |
|---|---------------------|-------------|-------------------|------------------|
| 0 | SANDY | | DARK | |
| | LOAM | | BROWN | |
| 5 | GRAVELLY | | DARK | |
| | LOAMY SAND | FRIABLE | YELLOW BROWN | |
| 10 | GRAVELLY | | YELLOW BROWN | |
| | COARSE SAND | | LIGHT OLIVE BROWN | FEW, FAINT |
| 15 | LOAMY FINE SAND | FIRM | OLIVE BROWN | COMMON, DISTINCT |
| 20 | LIMIT OF EXCAVATION | | | |

| | | | |
|---------------------------------------|-------------------|-----------------------------|--|
| Soil Classification Profile: 3 | Slope: 0-3 | Limiting Factor: 30" | <input checked="" type="checkbox"/> Ground Water <input type="checkbox"/> Restrictive Layer <input type="checkbox"/> Bedrock |
| Condition: C | | | |

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

| DEPTH BELOW MINERAL SOIL SURFACE (FEET) | Texture | Consistency | Color | Mottling |
|---|---------|-------------|-------|----------|
| 0 | | | | |
| 5 | | | | |
| 10 | | | | |
| 15 | | | | |
| 20 | | | | |
| 25 | | | | |
| 30 | | | | |
| 35 | | | | |
| 40 | | | | |
| 45 | | | | |
| 50 | | | | |

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

Albert Frick
 Site Evaluator Signature

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 SE
 11/11/09
 Date

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Dept. of Health & Human Services
Division of Environmental Health, SHE-11
(207) 287-5689 FAX: (207) 287-3165

Town, City, Plantation
PORTLAND, PEAKS ISLAND

Street, Road, Subdivision
214 PLEASANT STREET

Owner's Name
ERIC & PRISCILLA CAREY

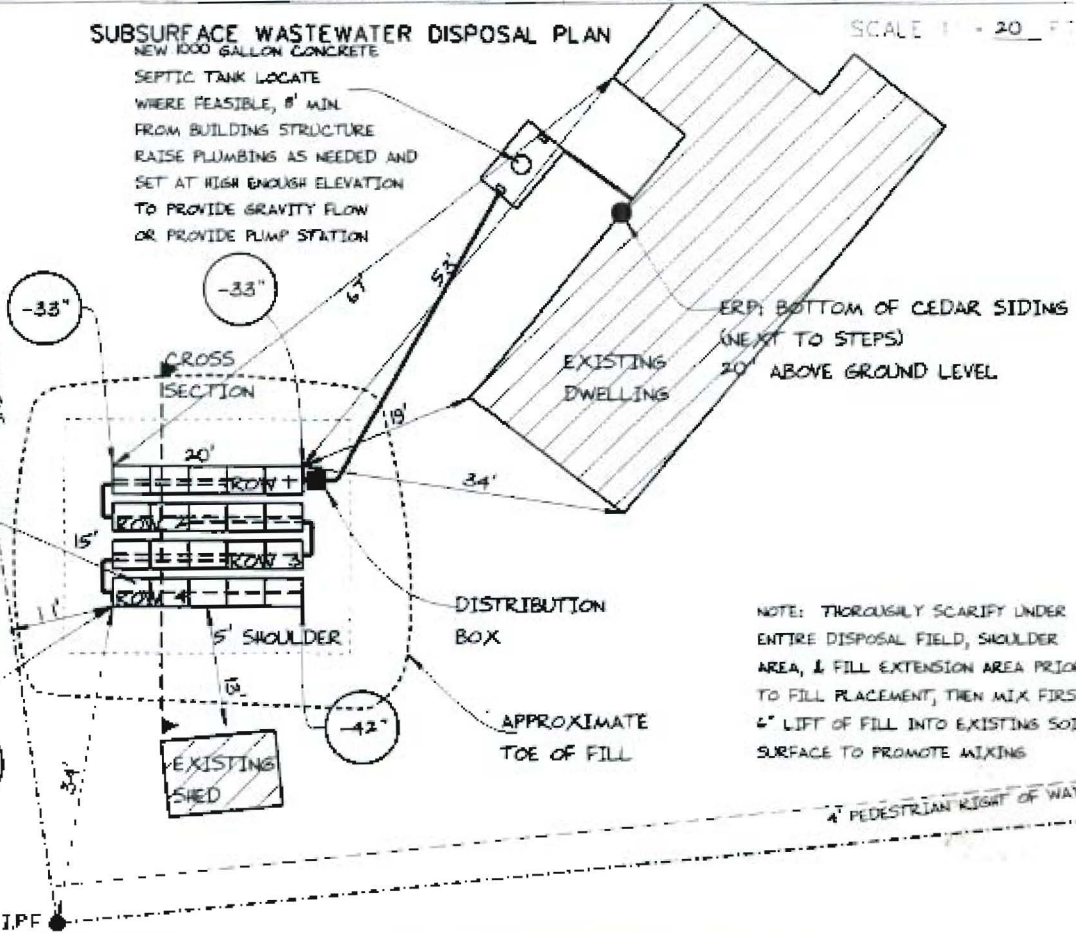
SCALE 1" = 20' FT

PROVIDE RISER(S) AND COVER FOR SEPTIC TANK OUTLET TO SURFACE OF GROUND ASSURE WATERTIGHTNESS

SUBSURFACE WASTEWATER DISPOSAL PLAN

NEW 1000 GALLON CONCRETE SEPTIC TANK LOCATE WHERE FEASIBLE, 8' MIN. FROM BUILDING STRUCTURE RAISE PLUMBING AS NEEDED AND SET AT HIGH ENOUGH ELEVATION TO PROVIDE GRAVITY FLOW OR PROVIDE PUMP STATION

APPROX. PROPERTY LINE (WEIGHT TO ASSURE SETBACKS SHOWN)



PROPOSED DISPOSAL AREA (4 ROWS OF 5 ELJEN IN-DRAIN UNITS EACH) NOTE: DOUBLE PERFORATED PIPE 1/3 LENGTH OF ROW FOR OVERFLOW LAID ADJACENT TO DISTRIBUTION PIPE (SEE DETAIL BELOW)

ERP, BOTTOM OF CEDAR SIDINGS (NEXT TO STEPS) 20' ABOVE GROUND LEVEL

NOTE: THOROUGHLY SCARIFY UNDER ENTIRE DISPOSAL FIELD, SHOULDER AREA, & FILL EXTENSION AREA PRIOR TO FILL PLACEMENT, THEN MIX FIRST 6" LIFT OF FILL INTO EXISTING SOIL SURFACE TO PROMOTE MIXING

BACKFILL REQUIREMENTS

Depth of Backfill (Upslope) : 11"
Depth of Backfill (Downslope) : 12" - 14"
DEPTHS AT CROSS SECTION (shown below)

CONSTRUCTION ELEVATIONS

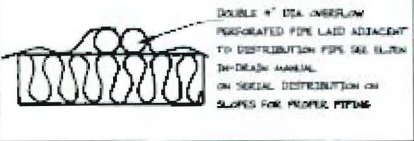
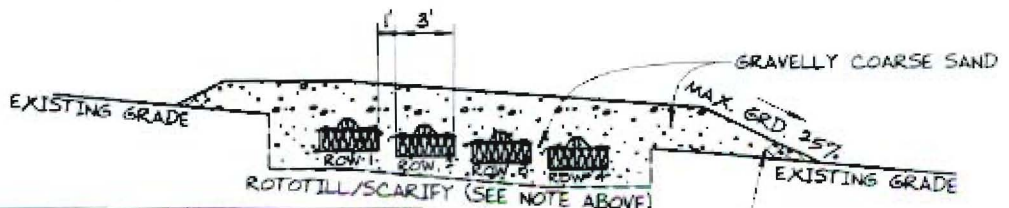
Finished Grade Elevation
Top of Distribution Pipe or Proprietary Device
Bottom of Disposal Field

ELEVATION REFERENCE POINT

SEE DETAIL BELOW Location & Description BOTTOM OF CEDAR SIDINGS (NEXT TO STEPS) Reference Elevation is: 0.0' or -----

SCALE: VERTICAL 1" = 5 FT HORIZONTAL 1" = 10 FT

DISPOSAL FIELD CROSS SECTION



SEE ELJEN IN-DRAIN MANUAL ON SERIAL DISTRIBUTION ON SLOPES FOR PROPER PIPING

CLEAN FILL
GEOTEXTILE FABRIC OVER 4" DIA. PERF. PIPE
ELJEN IN-DRAIN UNIT

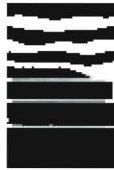
| | ROW 1 | 2 | 3 | 4 |
|-------------------------|-------|------|------|------|
| FINISHED GRADE | -22" | -24" | -26" | -28" |
| CLEAN FILL | -34" | -36" | -38" | -40" |
| GEOTEXTILE FABRIC | -38" | -40" | -42" | -44" |
| OVER 4" DIA. PERF. PIPE | -45" | -47" | -49" | -51" |
| ELJEN IN-DRAIN UNIT | -51" | -53" | -55" | -57" |

CAP TOE OF FILL WITH SANDY LOAM MATERIAL TO PREVENT WASTEWATER BREAKOUT

Albert Frick
Site Evaluator Signature

163
SE

11/11/09
Date



Albert Frick Associates, Inc.

Soil Scientists & Site Evaluators

95A County Road Gorham, Maine 04058

(207) 839-5563

PORTLAND; PEAKS ISLAND

214 PLEASANT STREET

ERIC & PRISCILLA CAREY

TOWN

LOCATION

APPLICANT'S NAME

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 or Code Enforcement Officer 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. Well locations on abutting properties but not readily visible above grade should be confirmed by the owner/applicant prior to system installation to assure minimum setbacks.

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 shall be connected in series to the proposed septic tank. Risers and covers should be installed over the septic tank outlet to allow for easy maintenance.

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 units) and controlled or hazardous substances shall not be disposed of in this system. Additives such as yeast or enzymes are discouraged, since they have not been proven to extend system life.

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. All septic tanks, pump stations and additional treatment tanks shall be installed to prevent ground water and surface water infiltration. Risers and covers should be properly installed to provide access while preventing surface water intrusion.

ATTACHMENT TO SUBSURFACE WASTEWATER DISPOSAL APPLICATION

PORTLAND; PEAKS ISLAND

244 PLEASANT STREET

ERIC & PRISCILLA CAREY

TOWN

LOCATION

APPLICANT'S NAME

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.) ÷ (# of days in period) = gals per day].

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 requirement. In gravity systems, the invert of the septic tank(s) outlet(s) shall be at least 4 inches above the invert of the distribution box outlet at the disposal area.

10) When an effluent pump is required: Provisions shall be made to make certain that surface and ground water does not enter the septic tank or pump station, by sealing/grouting all seams and connections, and by placement of a riser and lid at or above grade. 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.

11) 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 roto-tilling or scarifying with teeth of backhoe to a depth of at least 8 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 before placing more fill (this ensures that voids and loose pockets are eliminated to minimize the chance of leakage or differential setting). Do not use wheeled equipment on the scarified soil area until after 12 inches of fill is in place. Keep equipment off proprietary devices. Divert the surface water away from the disposal area by ditching or shallow landscape swales.

12) Unless noted otherwise, fill shall be gravelly coarse sand which contains no more than 5% fines (silt and clay). Crushed stone shall be clean and free of any rock dust from the crushing process.

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

14) Seed all filled and disturbed surfaces with perennial grass seed, then mulch with hay or equivalent material to prevent erosion. Alternatively, bark or permanent landscape mulch may be used to cover system. Woody trees or shrubs are not permitted on the disposal area or fill extensions.

15) If an advanced wastewater treatment unit is part of the design, the system shall be operated and maintained per manufacturer's specifications.



Albert Frick Associates, Inc.
Soil Scientists & Site Evaluators

95A County Road Gorham, Maine 04058
(207) 859-5565

BUILDING PERMIT INSPECTION PROCEDURES

Please call 874-8703 or 874-8693 (ONLY)

to schedule your inspections as agreed upon

Permits expire in 6 months, if the project is not started or ceases for 6 months.

The Owner or their designee is required to notify the inspections office for the following inspections and provide adequate notice. Notice must be called in 48-72 hours in advance in order to schedule an inspection:

By initializing at each inspection time, you are agreeing that you understand the inspection procedure and additional fees from a "Stop Work Order" and "Stop Work Order Release" will be incurred if the procedure is not followed as stated below.

A Pre-construction Meeting will take place upon receipt of your building permit.

 X Exposed septic field preparation and tank location inspection to check elevations, dimensions, piping, pumping station and system design prior to covering.

Certificate of Occupancy is not required for certain projects. Your inspector can advise you if your project requires a Certificate of Occupancy. All projects DO require a final inspection.

If any of the inspections do not occur, the project cannot go on to the next phase, **REGARDLESS OF THE NOTICE OR CIRCUMSTANCES.**

CERIFICATE OF OCCUPANICES MUST BE ISSUED AND PAID FOR, BEFORE THE SPACE MAY BE OCCUPIED.

Signature of Applicant/Designee

Shawn H. Mahoney

Signature of Inspections Official

Date

11/24/09

Date

M. K. [unclear]

City of Portland, Maine - Building or Use Permit

389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

| | | |
|------------------------|---------------------------------|---------------------|
| Permit No: 20096008 | Date Applied For: 11/23/2009 | CBL: 090 P001001 |
|------------------------|---------------------------------|---------------------|

| | | | |
|--|---|------------------------------------|--------|
| Location of Construction: 214 PLEASANT AVE PI | Owner Name: CAREY ERIC R & PRISCILLA B J | Owner Address: 4041 25TH ST N | Phone: |
| Business Name: | Contractor Name: Lionel Plante Assoc | Contractor Address: | Phone: |
| Lessee/Buyer's Name | Phone: | Permit Type: Replacement System | |

| | |
|---------------|-------------------------------|
| Proposed Use: | Proposed Project Description: |
|---------------|-------------------------------|

Dept: Building Status: Approved with Conditions Reviewer: Tom Markley Approval Date: 11/24/2009
Note: Ok to Issue:

- 1) Application approval based upon information provided by applicant. Any deviation from approved plans requires separate review and approval prior to work.