

City of Portland, Maine – Building or Use Permit Application 389 Congress Street, 04101, Tel: (207) 874-8703, FAX: 874-8716

Location of Construction: 280 Harriner Court, Peaks Island		Owner: Calloway, Richard & Martha		Phone: 766-2725	Permit No: 980838
Owner Address: SAA 04108		Lessee/Buyer's Name:		Phone:	Business Name:
Contractor Name: CRN Construction Lewiston		Address: 784-0287 Bob Morin		Phone:	
Past Use: 1-iam		Proposed Use:		COST OF WORK: \$	PERMIT FEE: \$ 25.00
				FIRE DEPT. <input type="checkbox"/> Approved <input type="checkbox"/> Denied	INSPECTION: Use Group: Type: <i>1/2</i>
				Signature:	Signature:
Proposed Project Description: Amendment to Permit #980556 to correctly word scope of work: Tear down & rebuild all but 1 wall of old structure also const (14 x 16) addition, cellar 21 x 26, saved 1st floor & posts, wall ant ridden/infested & not to code so decided to replace. Built as per plans except one shore wall in dining room.		PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)		<input type="checkbox"/> Approved <input type="checkbox"/> Approved with Conditions <input type="checkbox"/> Denied Signature: _____ Date: _____	
Permit Taken By: <i>MG</i>		Date Applied For: <i>31 July 1998</i>			

PERMIT ISSUED
Permit Issued:
AUG - 3 1998
CITY OF PORTLAND

Zone: _____ CBL: *091-G-015+*
Zoning Approval: *OK 8/3/98*
Special Zone or Reviews:
 Shoreland
 Wetland
 Flood Zone
 Subdivision
 Site Plan maj minor mm

Zoning Appeal
 Variance
 Miscellaneous
 Conditional Use
 Interpretation
 Approved
 Denied

Historic Preservation
 Not in District or Landmark
 Does Not Require Review
 Requires Review

Action:
 Approved
 Approved with Conditions
 Denied
 Date: _____

PERMIT ISSUED WITH REQUIREMENTS

Handwritten signature/initials

CERTIFICATION

I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the application is issued, I certify that the code official's authorized representative shall have the authority to enter all areas covered by such permit at any reasonable hour to enforce the provisions of the code(s) applicable to such permit

SIGNATURE OF APPLICANT	ADDRESS:	DATE: <i>31 July 1998</i>	PHONE:
RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE			PHONE:

CEO DISTRICT 2

COMMENTS

8-20-98
 Basement span opening increased to 11', N.W. corner of Foundation Floor Joist unsupported, correct Celler stairs so finished or permanent stairs are uniform check school of water line, Distance of tub over 10' 2nd Floor.

Egress windows in Bed Rooms. 2 Rear Bed Rooms

8-27-98 Egress windows are installed (T.E.R.)

Sam H. + I visited OK on Final Framing

9-24-98 Final ch of Septic System with convey Johnson OK on Elevation

10-16-98 Job not done Stairs not finished and doors not on up stairs Deck not finished. Need to change washing machine pipe size to 2"

(T.E.R.)

Inspection Record

	Type	Date
Foundation:	meal Leary	6-3-98
Framing:	T.E.R.	8-27-98
Plumbing:		
Final:		
Other:		

BUILDING PERMIT REPORT

DATE: 26 July 98 ADDRESS: 280 Marrison Court PI, (Ø91-G-015)
 REASON FOR PERMIT: AFTER The Construction of dwelling UNIT - Change of permit 98055
 BUILDING OWNER: Callow, M & R
 CONTRACTOR: Rodney Sherman
 PERMIT APPLICANT: owner
 USE GROUP R-3 BOCA 1996 CONSTRUCTION TYPE ~~5A~~ 5B

CONDITION(S) OF APPROVAL

5B 2 stories with att.
storage only - 31
feet - \$

This Permit is being issued with the understanding that the following conditions are met:

Approved with the following conditions: *1*2*2.5*8*10*11*12*16*24*26*30*31

1. This permit does not excuse the applicant from meeting applicable State and Federal rules and laws.
2. Before concrete for foundation is placed, approvals from the Development Review Coordinator and Inspection Services must be obtained. (A 24 hour notice is required prior to inspection)
- 2.5. Foundation drain shall be placed around the perimeter of a foundation that consists of gravel or crushed stone containing not more than 10 percent material that passes through a No. 4 sieve. The drain shall extend a minimum of 12 inches beyond the outside edge of the footing. The thickness shall be such that the bottom of the drain is not higher than the bottom of the base under the floor, and that the top of the drain is not less than 6 inches above the top of the footing. The top of the drain shall be covered with an approved filter membrane material. Where a drain tile or perforated pipe is used, the invert of the pipe or tile shall not be higher than the floor elevation. The top of joints or top of perforations shall be protected with an approved filter membrane material. The pipe or tile shall be placed on not less than 2" of gravel or crushed stone, and shall be covered with not less than 6" of the same material.
3. Precaution must be taken to protect concrete from freezing.
4. It is strongly recommended that a registered land surveyor check all foundation forms before concrete is placed. This is done to verify that the proper setbacks are maintained.
5. Private garages located beneath habitable rooms in occupancies in Use Group R-1, R-2, R-3 or I-1 shall be separated from adjacent interior spaces by fire partitions and floor/ceiling assembly which are constructed with not less than 1-hour fire resisting rating. Private garages attached side-by-side to rooms in the above occupancies shall be completely separated from the interior spaces and the attic area by means of ½ inch gypsum board or the equivalent applied to the garage means of ½ inch gypsum board or the equivalent applied to the garage side. (Chapter 4 Section 407.0 of the BOCA/1996)
6. All chimneys and vents shall be installed and maintained as per Chapter 12 of the City's Mechanical Code. (The BOCA National Mechanical Code/1993).
7. Sound transmission control in residential building shall be done in accordance with Chapter 12 section 1214.0 of the city's building code.
8. Guardrails & Handrails: A guardrail system is a system of building components located near the open sides of elevated walking surfaces for the purpose of minimizing the possibility of an accidental fall from the walking surface to the lower level. Minimum height all Use Groups 42", except Use Group R which is 36". In occupancies in Use Group A, B, H-4, I-1, I-2 M and R and public garages and open parking structures, open guards shall have balusters or be of solid material such that a sphere with a diameter of 4" cannot pass through any opening. Guards shall not have an ornamental pattern that would provide a ladder effect. (Handrails shall be a minimum of 34" but not more than 38". Use Group R-3 shall not be less than 30", but not more than 38".) Handrail grip size shall have a circular cross section with an outside diameter of at least 1 1/4" and not greater than 2".
9. Headroom in habitable space is a minimum of 7'6".
10. Stair construction in Use Group R-3 & R-4 is a minimum of 10" tread and 7 3/4" maximum rise. All other Use group minimum 11" tread, 7" maximum rise.
11. The minimum headroom in all parts of a stairway shall not be less than 80 inches. (6'8")
12. Every sleeping room below the fourth story in buildings of use Groups R and I-1 shall have at least one operable window or exterior door approved for emergency egress or rescue. The units must be operable from the inside without the use of special knowledge or separate tools. Where windows are provided as means of egress or rescue they shall have a sill height not more than 44 inches (1118mm) above the floor. All egress or rescue windows from sleeping rooms shall have a minimum net clear opening height dimension of 24 inches (610mm). The minimum net clear opening width dimension

shall be 20 inches (508mm), and a minimum net clear opening of 5.7 sq. ft.

- 13. Each apartment shall have access to two (2) separate, remote and approved means of egress. A single exit is acceptable when it exits directly from the apartment to the building exterior with no communications to other apartment units.
- 14. All vertical openings shall be enclosed with construction having a fire rating of at least one (1) hour, including fire doors with self closer's. (Over 3 stories in height requirements for fire rating is two (2) hours.)
- 15. The boiler shall be protected by enclosing with (1) hour fire-rated construction including fire doors and ceiling, or by providing automatic extinguishment.

*16. All single and multiple station smoke detectors shall be of an approved type and shall be installed in accordance with the provisions of the City's Building Code Chapter 9, Section 19, 920.3.2 (BOCA National Building Code/1996), and NFPA 101 Chapter 18 & 19. (Smoke detectors shall be installed and maintained at the following locations):

- In the immediate vicinity of bedrooms
- In all bedrooms
- In each story within a dwelling unit, including basements

In addition to the required AC primary power source, required smoke detectors in occupancies in Use Groups R-2, R-3 and I-1 shall receive power from a battery when the AC primary power source is interrupted. (Interconnection is required)

- 17. A portable fire extinguisher shall be located as per NFPA #10. They shall bear the label of an approved agency and be of an approved type.
- 18. The Fire Alarm System shall be maintained to NFPA #72 Standard.
- 19. The Sprinkler System shall maintained to NFPA #13 Standard.
- 20. All exit signs, lights, and means of egress lighting shall be done in accordance with Chapter 10 Section & Subsections 1023. & 1024. Of the City's building code. (The BOCA National Building Code/1996)
- 21. Section 25-135 of the Municipal Code for the City of Portland states, "No person or utility shall be granted a permit to excavate or open any street or sidewalk from the time of November 15 of each year to April 15 of the following year".
- 22. The builder of a facility to which Section 4594-C of the Maine State Human Rights Act Title 5 MRSA refers, shall obtain a certification from a design professional that the plans commencing construction of the facility, the builder shall submit the certification to the Division of Inspection Services.

23. Ventilation shall meet the requirements of Chapter 12 Sections 1210. Of the City's Building Code. (crawl spaces & attics)

*24. All electrical, plumbing and HVAC permits must be obtained by a Master Licensed holders of their trade.

25. All requirements must be met before a final Certificate of Occupancy is issued.

*25. All building elements shall meet the fastening schedule as per Table 2305.2 of the City's Building Code. (The BOCA National Building Code/1996).

27. Ventilation of spaces within a building shall be done in accordance with the City's Mechanical Code (The BOCA National Mechanical Code/1993).

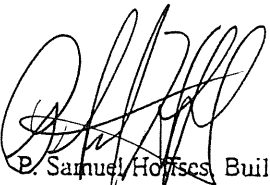
28. Please read and implement the attached Land Use-Zoning report requirements.

*29. Spiral STAIRS as per section 1014.6.4 of The bldg. Code

*30. A Complete Framing detail MUST be submitted For approval - Need walls, roof, interior walls - size, spacing and spans -

(31) This building is required to be of Type 5A Construction because of The number of stories (3) - Table 503 - R-3 one & Two Family STAIRS max height 3 stories - Table 602 requires a Fire resistance rating of structures & elements - See attached Table 602 -

Debate #31 building is Two story ATTIC space ONLY, 3rd level - No living on this level -



P. Samuel Hovses, Building Inspector

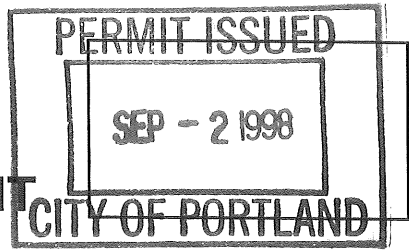
cc: Lt. McDougall, PFD
Marge Schmuckal *Zoning adm.*

91-6-015



091-6-015

FILL IN AND SIGN WITH IN 80994



APPLICATION FOR PERMIT HEATING OR POWER EQUIPMENT

To the INSPECTOR OF BUILDINGS, PORTLAND, ME.

The undersigned hereby applies for a permit to install the following heating, cooking or power equipment in accordance with the Laws of Maine, the Building Code of the City of Portland, and the following specifications:

Location C.B.L. 91-6-15
280 Mariner Court Peaks Island Use of Building Residential Home Date 8-25-98
 Name and address of owner of appliance Richard Callow 280 Mariner Court
Peaks Island
 Installer's name and address Veilleux's Plumbing Systems 7 Davis St. Park
Lisbon Falls, Me. 04252 Telephone 207-353-5881

Location of appliance:

- Basement
- Floor
- Attic
- Roof

Type of Fuel:

- Gas
- Oil
- Solid

Appliance Name: Enerjet (superior)

U.L. Approved Yes No

Will appliance be installed in accordance with the manufacture's installation instructions? Yes No

IF NO Explain: _____

The Type of License of Installer:

- Master Plumber # 80002617
- Solid Fuel # _____
- Oil # MS20005943
- Gas # _____
- Other _____

Type of Chimney:

- Masonry Lined
Factory built _____
- Metal
Factory Built U.L. Listing # _____
- Direct Vent
Type _____ UL# _____

Type of Fuel Tank

- Oil
- Gas

Size of Tank 275 vertical

Number of Tanks 1

Distance from Tank to Center of Flame 5'6" feet.

Approved

Fire: 11/90

Ele.: _____

Bldg.: _____

Approved with Conditions

- See attached letter or requirement

Signature of Installer Mark [Signature] / David [Signature]

White - Inspection Yellow - File Pink - Applicant's Gold - Assessor's Copy

Material Cost - \$5,526.76

2
KC/TR

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Town, City or Plantation

Street, Road or Subdivision

PORTLAND (PEAKS ISLAND) SEASHORE AVE.

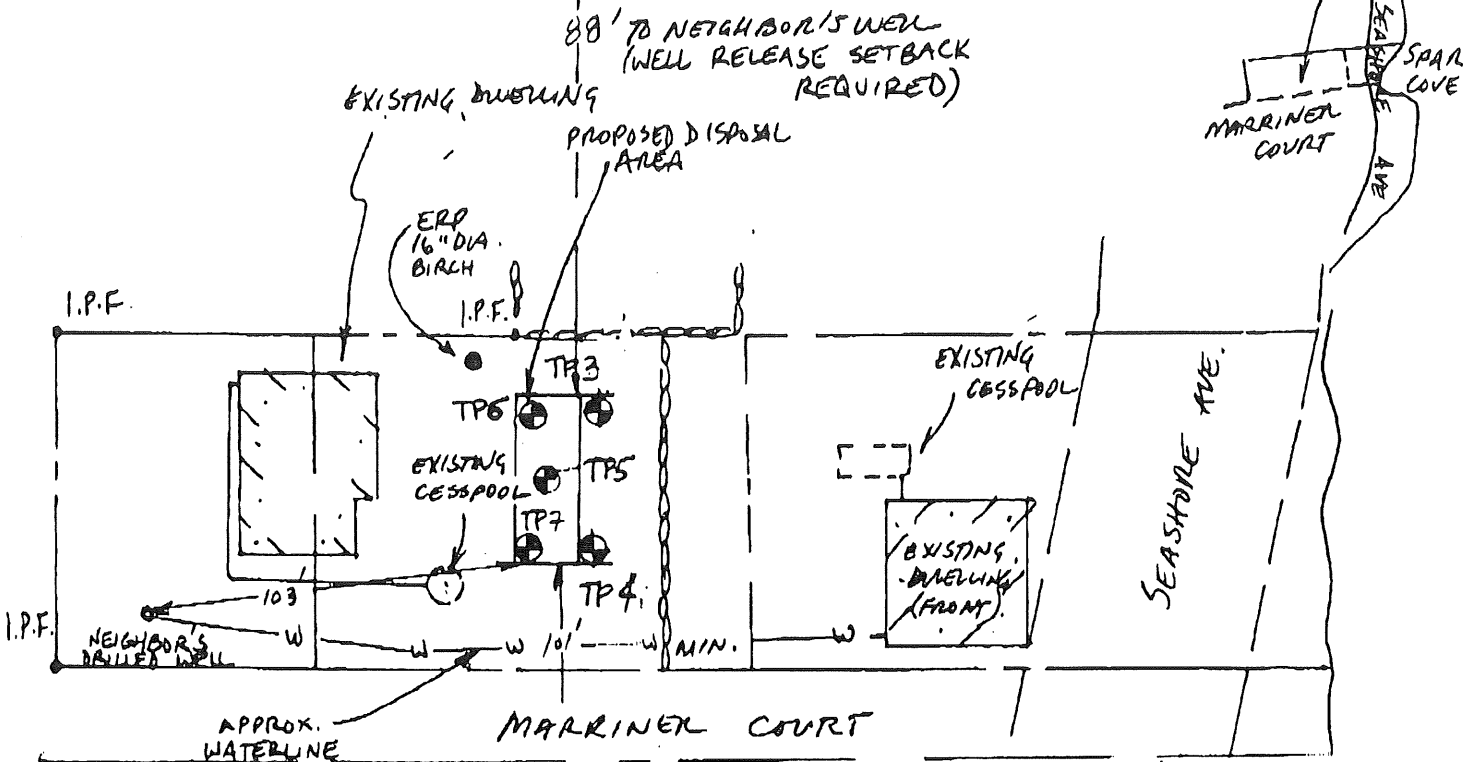
Name of Owner

CALLOW, RICHARD & MARTHA

SITE PLAN

Scale: 1" = 40± Ft
or as shown

SITE LOCATION PLAN
(Map from The Maine Atlas recommended)



SOIL DESCRIPTION AND CLASSIFICATION

(Location of Observation Holes Shown Above)

Observation Hole TP3				Observation Hole TP4			
Depth of Organic Horizon Above Mineral Soil				Depth of Organic Horizon Above Mineral Soil			
Texture	Consistency	Color	Mottling	Texture	Consistency	Color	Mottling
CHANNERY	FROZEN	DARK BROWN		CHANNERY	FROZEN	DARK BROWN	
SANDY		DARK	NONE	FINE		DARK	
LOAM	FNABLE	YELLOWISH BROWN	EVIDENT	SANDY	FNABLE	YELLOWISH BROWN	NONE
				LOAM		BROWN	EVIDENT
FRACTURED BEDROCK				FRACTURED BEDROCK			
Soil Profile 2	Class A	Slope %	Limiting Factor 32	Soil Profile 2	Class A	Slope %	Limiting Factor 32
Ground Water Restrictive Layer Bedrock				Ground Water Restrictive Layer Bedrock			

Observation Hole TP3				Observation Hole TP4			
Depth of Organic Horizon Above Mineral Soil				Depth of Organic Horizon Above Mineral Soil			
Texture	Consistency	Color	Mottling	Texture	Consistency	Color	Mottling
CHANNERY	FROZEN	DARK BROWN		CHANNERY	FROZEN	DARK BROWN	
SANDY		DARK	NONE	FINE		DARK	
LOAM	FNABLE	YELLOWISH BROWN	EVIDENT	SANDY	FNABLE	YELLOWISH BROWN	NONE
				LOAM		BROWN	EVIDENT
FRACTURED BEDROCK				FRACTURED BEDROCK			
Soil Profile 2	Class A	Slope %	Limiting Factor 32	Soil Profile 2	Class A	Slope %	Limiting Factor 32
Ground Water Restrictive Layer Bedrock				Ground Water Restrictive Layer Bedrock			

Albert Frick
Site Evaluator Signature

163
SE #

9/18/98 Date
1/28/97 Date
6/25/98

REPLACEMENT SYSTEM VARIANCE REQUEST

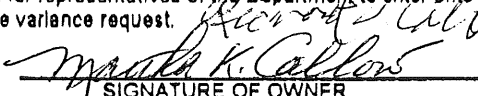
THE LIMITATIONS OF THE REPLACEMENT SYSTEM VARIANCE REQUEST

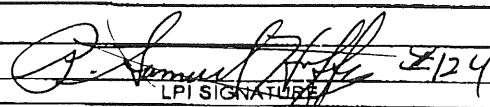
This form shall be attached to an application (HHE-200) for the proposed replacement system which requires a variance to the Rules. The LPI shall review the Replacement System Variance Request on HHE-200 and may approve the Request if all of the following requirements can be met, and the variance(s) 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. 1903)
2. There will be no change in use of the structure except as authorized for one-time exempted 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 <u>PORTLAND</u>
Permit No. <u>6015</u>		Date Permit Issued <u>2/21/97</u>
Property Owner's Name: <u>RICHARD & MARTHA CALLOW</u>		Tel. No.: <u>766-2725</u>
System's Location: <u>SEASHORE AVENUE (280 Mariner Ct.)</u>		
Property Owner's Address: <u>Peaks Island</u>		
(If different from above) _____		

<p>SPECIFIC INSTRUCTIONS TO THE:</p> <p>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. (See reverse side for Comments Section and your signature.)</p> <p>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.</p> <p>PROPERTY OWNER: If 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. Both the Site Evaluator and the LPI have considered the site/soil restrictions and have concluded that a replacement system in total compliance with the Rules is not possible.</p>
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<p>PROPERTY OWNER</p> <p>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. By signing the variance request form, I acknowledge permission for representatives of the Department to enter onto the property to perform such duties as may be necessary to evaluate the variance request.</p> <p style="text-align: center;">  _____ SIGNATURE OF OWNER </p> <p style="text-align: right;"> <u>9/18/98</u> _____ DATE </p>

<p>LOCAL PLUMBING INSPECTOR</p> <p>I, <u>P. Samuel Hoffses</u>, 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. As a result of my review of the Replacement Variance Request, the Application, and my on-site investigation, I (check and complete either a or b):</p> <p><input type="checkbox"/> a. (I approve, <input type="checkbox"/> disapprove) the variance request based on my authority to grant this variance. Note: If the LPI does not give his approval, he shall list his reasons for denial in Comments Section below and return to the applicant. -OR-</p> <p><input type="checkbox"/> b. find that one or more of the requested Variances exceeds my approval authority as LPI. I (<input type="checkbox"/> recommend, <input type="checkbox"/> do not recommend) the Department's approval of the variances. Note: If the LPI does not recommend the Department's approval, she shall state his reasons in Comments Section below as to why the proposed replacement system is not being recommended.</p> <p>Comments: _____</p> <p style="text-align: center;">  _____ LPI SIGNATURE </p> <p style="text-align: right;"> <u>21 Sept 98</u> _____ DATE </p>
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Albert Frick Associates, Inc.
Soil Scientists & Site Evaluators
 95A County Road Gorham, Maine 04038
 (207) 839-5563 FAX (207) 839-5564

Albert Frick BS, SE
 James Logan SS, SE
 Matthew Logan SE

PORTLAND (PEAKS ISLAND) EASTSHORE AVE. CALLOW, RICHARD & MARTHA
 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 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.

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering
(207) 287-9872 FAX (207) 287-4173

Town, City, Plantation
PORTLAND (PEAKS ISLAND)

Street, Road, Subdivision
SEASHORE AVE.

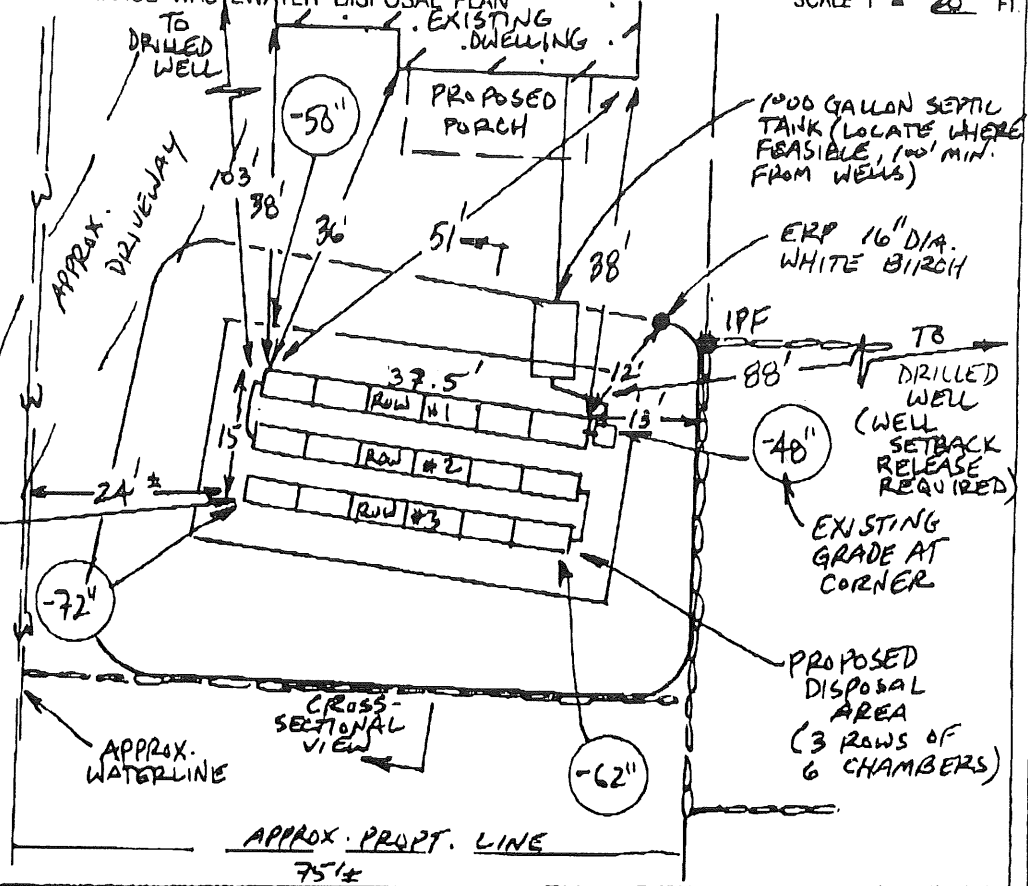
Owner's Name
CALLOW, RICHARD & MARTHA

SUBSURFACE WASTEWATER DISPOSAL PLAN

SCALE 1" = 20' FT.

NOTE: REMOVE EXISTING FILL MATERIAL TO 12" BELOW AND 5' AROUND PROPOSED CHAMBERS AND REPLACE WITH CLEAN GRAVELLY COARSE SAND.

MARRINER CT. (PAPER)



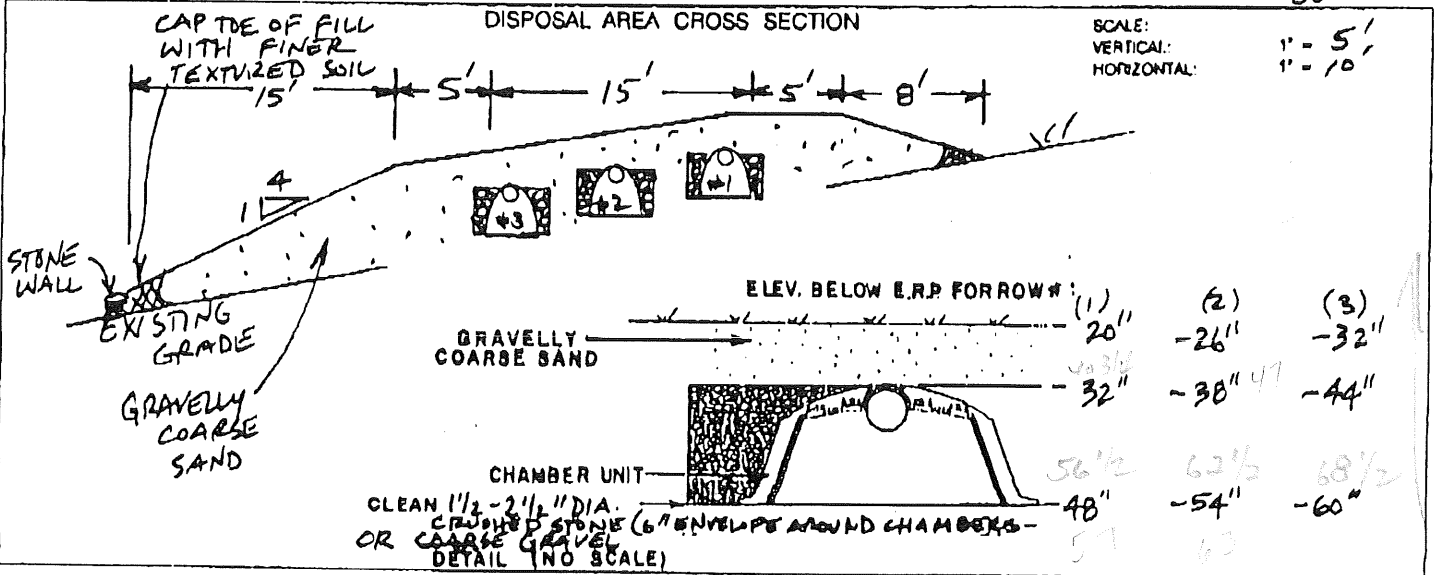
FILL REQUIREMENTS

CONSTRUCTION ELEVATIONS

ELEVATION REFERENCE POINT

Depth of Fill (Upslope)	28" - 30"	Finished Grade Elevation	SEE	Location & Description	NAIL 20"
Depth of Fill (Downslope)	30" - 40"	Top of Distribution Pipe or Proprietary Device	DETAIL	Above	BASE OF 16" DIA.
		Bottom of Disposal Area	BELOW	WHITE BIRCH	Reference Elevation
					00"

DISPOSAL AREA CROSS SECTION



Albert Frick
Site Evaluator Signature

163

6/25/98
REVISED 9/18/98

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering
(207) 287-5872 FAX (207) 287-4172

PROPERTY LOCATION

Town or Plantation: PORTLAND (PEAKS ISLAND)

Street: SEASHORE AVENUE

Subdivision Lot #: 091-G-015

PROPERTY OWNERS NAME

Last: CALLOW First: RICHARD & MARTHA

Mailing Address of Owner: 31 NEW ISLAND AVENUE
PEAKS ISLAND, ME. 04108

Daytime Tel. # _____

PORTLAND Date Permit Issued: 2/21/97 6015 \$ _____ TOWN/COPY FEE If Double Fee Charged

Local Plumbing Inspector Signature: [Signature] L.P.I. # 0124

Owner Statement

I state 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.

Marta K. Callow 2/21/97
Signature of Owner/Applicant Date

Municipal Tax Map # 919 Lot # 15 Page # _____

Caution: Inspection Required

I have inspected the installation authorized above and found it to be in compliance with the Subsurface Wastewater Disposal Rules Application.

Local Plumbing Inspector Signature _____ Date Approved _____

PERMIT INFORMATION

THIS APPLICATION IS FOR:

1. First Time System

2. Multi-User System

3. Replacement System

4. Expanded System

a. One-time exempted

b. Non-exempted

5. Experimental System

6. Seasonal Conversion

THIS APPLICATION REQUIRES:

1. No Rule Variance ** VERIFY WELL SETBACKS TO ABUTTER SEE NOTE PG. #2*

2. First Time System Variance (Municipal)

3. First Time System Variance (State)

4. Replacement System Variance

a. Local Plumbing Inspector approval

b. State & Local Plumbing Inspector approval

5. Minimum Lot Size Variance

6. Seasonal Conversion Variance

DISPOSAL SYSTEM COMPONENT(S)

1. Non-Engineered System

2. Primitive System

3. Alternative Toilet Specify _____

4. Non-Engineered Treatment Tank

5. Holding Tank _____ Gallons

6. Non-Engineered Disposal Area (only)

7. Separated Laundry System

8. Engineered System (+2000 gpd)

9. Engineered Treatment Tank (only)

10. Engineered Disposal Area (only)

SIZE OF PROPERTY

SHORELAND ZONING

Yes No

DISPOSAL SYSTEM TO SERVE:

1. Single Family Dwelling Unit

2. Multiple Family Dwelling Unit

Number of Units _____

3. Other _____ SPECIFY _____

TYPE OF WATER SUPPLY

SEASONAL PUBLIC WATER W/ PROPOSED DRILLED WELL

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

TREATMENT TANK

1. Concrete OR

Regular

Low Profile

2. Plastic

SIZE 1000 Gallons

DISPOSAL AREA TYPE/SIZE

1. Stone Bed _____ Sq. Ft.

2. Proprietary Device 900 Sq. Ft.

Clustered Linear

Regular H-20

3. Trench _____ Lin. Ft.

4. Other _____

18 PLASTIC CHAMBERS

DISPOSAL AREA SIZING

1. Small 2.0

2. Medium 2.60

3. Medium-Large 3.30

4. Large 4.10

5. Extra-Large 5.00

GARBAGE DISPOSAL UNIT

1. No

2. Yes

Multi-compartment tank

Tank in series

Increase in tank capacity

Filter on tank outlet

CRITERIA USED FOR DESIGN FLOW
(Show Calculations)

SINGLE FAMILY DWELLING (3 BED ROOMS)

SEASONAL TO YEAR-ROUND USE

DESIGN FLOW: 270
(Gallons/Day)

PROFILE & DESIGN CLASS

PROFILE 2 DESIGN A

DEPTH TO MOST LIMITING FACTOR 32 "

PUMPING

1. Not Required *SEE NOTE PG. #3*

2. May Be Required

3. Required

DOSE _____ Gallons

SITE EVALUATOR'S STATEMENT

On 1/22/97 (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.

Albert Frick 163 1/28/97
Site Evaluator Signature SE # Date

ALBERT FRICK ASSOCIATES, INC. 839-5563
Print Name Telephone

Page 1 of 3
HHE-200 Rev. 5/95

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Town, City or Plantation

PORTLAND (PEAKS ISLAND)

Street, Road or Subdivision

SEASHORE AVE.

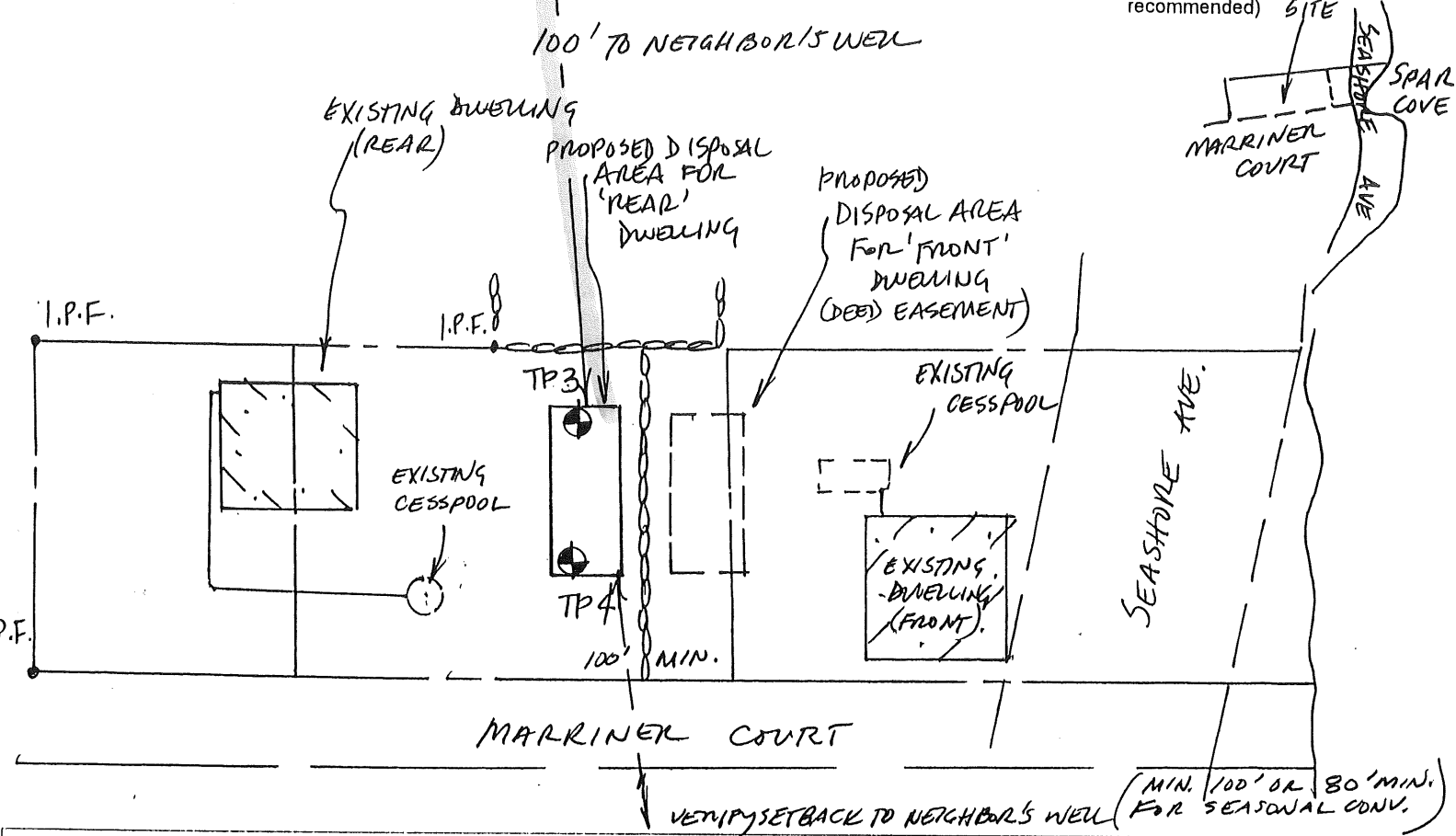
Name of Owner

CALLOW, RICHARD & MARTHA

SITE PLAN

Scale: 1" = 40± Ft.
or as shown

SITE LOCATION PLAN
(Map from The Maine Atlas recommended) SITE



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

Observation Hole TP 3 Test Pit Boring
 " Depth of Organic Horizon Above Mineral Soil BACKLIFE

DEPTH BELOW MINERAL SOIL SURFACE (Inches)	Texture	Consistency	Color	Mottling
0			DARK BROWN	
6		FROZEN		
10	CHANNERY			
15	SANDY		DARK	NONE
20	LOAM	FRIABLE	YELLOWISH BROWN	EVIDENT
30	FRACTURED BEDROCK			

Soil Profile <u>2</u>	Class <u>A</u>	Slope %	Limiting Factor <u>32"</u>	<input type="checkbox"/> Ground Water <input type="checkbox"/> Restrictive Layer <input checked="" type="checkbox"/> Bedrock
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Observation Hole TP 4 Test Pit Boring
 " Depth of Organic Horizon Above Mineral Soil BACKLIFE

DEPTH BELOW MINERAL SOIL SURFACE (Inches)	Texture	Consistency	Color	Mottling
0			DARK BROWN	
6	CHANNERY	FROZEN		
10	FINE			
15	SANDY		DARK	
20	LOAM	FRIABLE	YELLOWISH BROWN	NONE EVIDENT
30	FRACTURED BEDROCK			

Soil Profile <u>2</u>	Class <u>A</u>	Slope %	Limiting Factor <u>32"</u>	<input type="checkbox"/> Ground Water <input type="checkbox"/> Restrictive Layer <input checked="" type="checkbox"/> Bedrock
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Albert Frick
Site Evaluator Signature

163
SE #

1/28/97
Date

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Town, City or Plantation

Street, Road or Subdivision

Name of Owner

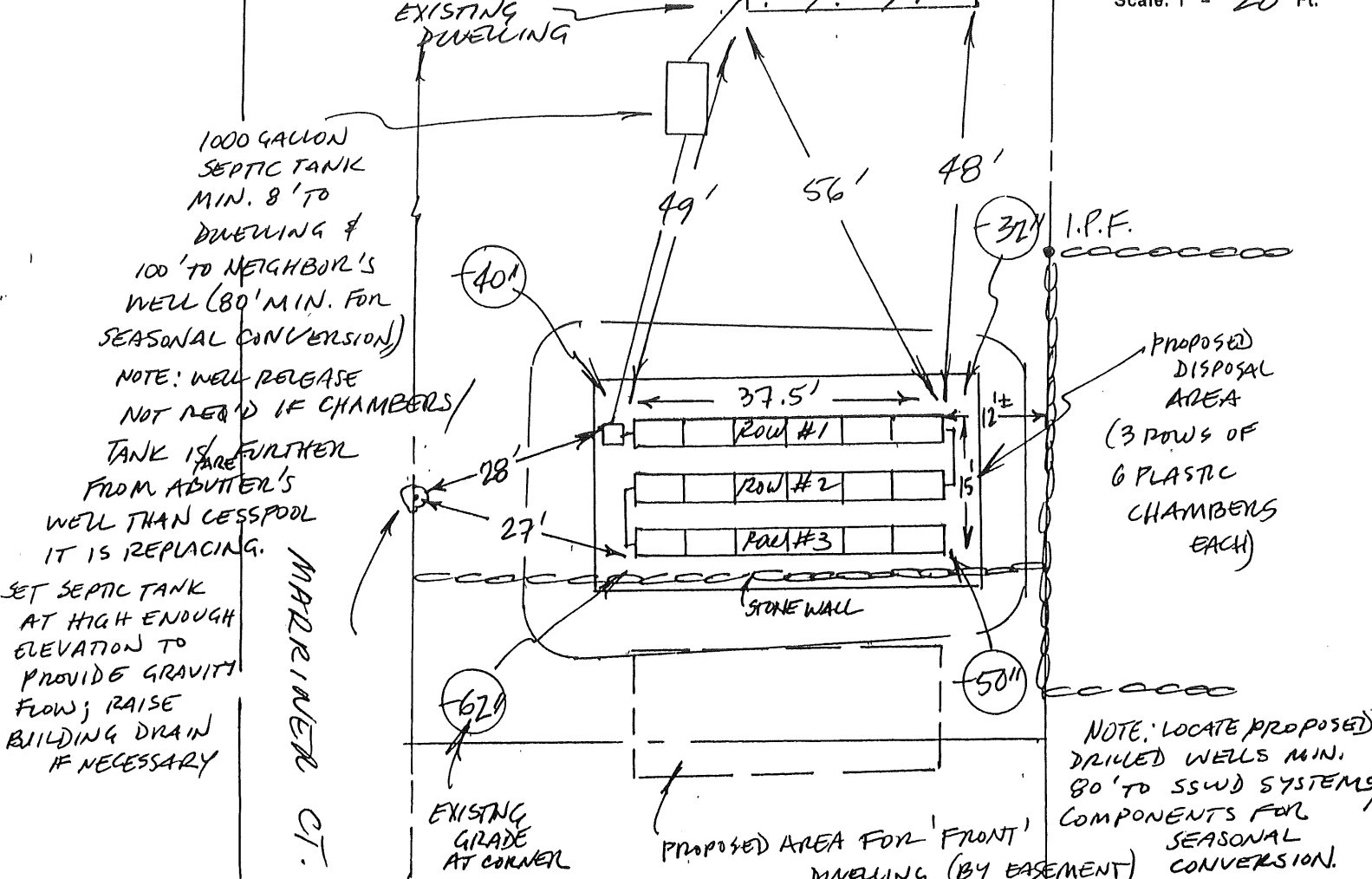
PORTLAND (PEAKS ISLAND)

SEASHORE AVENUE

CALLOW, RICHARD & MARTHA

SUBSURFACE WASTEWATER DISPOSAL PLAN

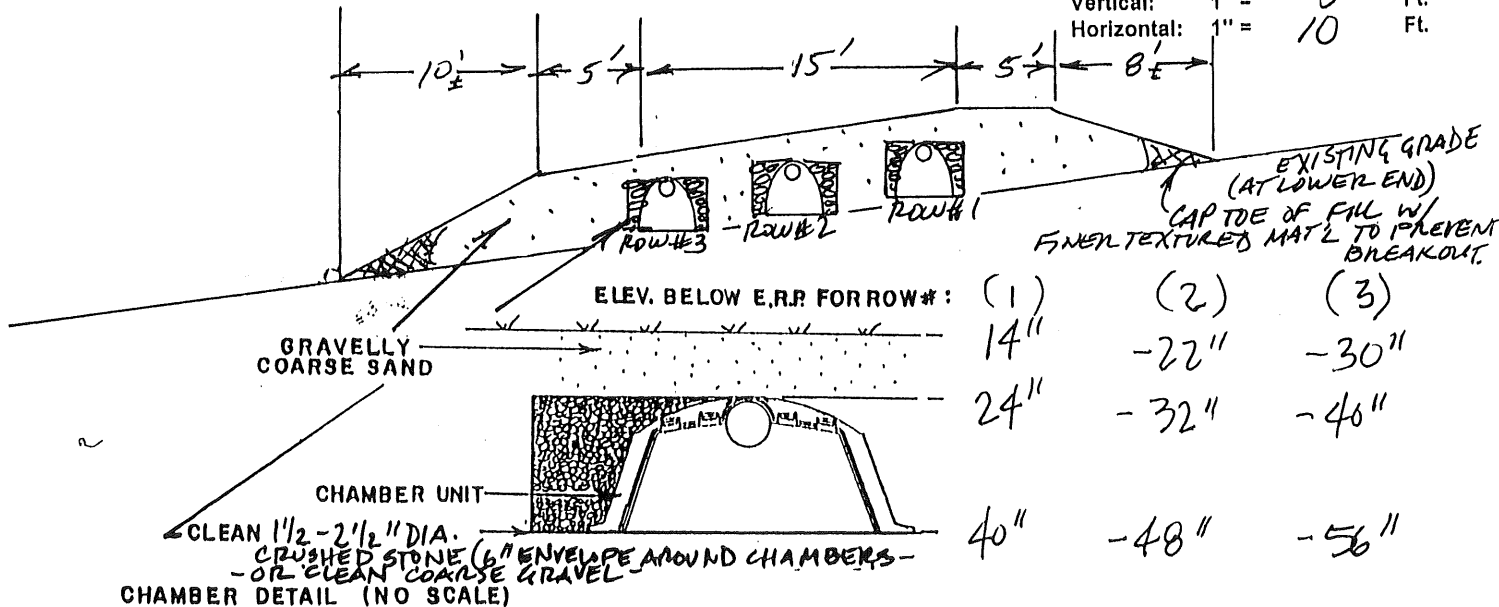
Scale: 1" = 20 Ft.



FILL REQUIREMENTS	CONSTRUCTION ELEVATIONS	ELEVATION REFERENCE POINT
Depth of Fill (Upslope) 18-26"	Finished Grade Elevation	Location & Description NAIL IN 8" DIA. WHITE BIRCH, 45" ABOVE BASE
Depth of Fill (Downslope) 20-32"	Top of Distribution Pipe or Proprietary Device	Reference Elevation 00"
	Bottom of Disposal Area	

DISPOSAL AREA CROSS SECTION

Scale:
 Vertical: 1" = 5 Ft.
 Horizontal: 1" = 10 Ft.



Albert Frick
 Site Evaluator Signature

163
 SE #

1/28/97
 Date



Albert Frick Associates, Inc.

Soil Scientists & Site Evaluators

95A County Road Gorham, Maine 04038
(207) 839-5563 FAX (207) 839-5564

Albert Frick SS, SE
James Logan SS, SE
Matthew Logan SE

PORTLAND (PEAKS ISLAND)	SEASHORE AVE.	CALLOW, RICHARD & MARTHA
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 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 (PEAKS ISLAND) SEASHORE AVE. CAULOW, RICHARD & MARTHA
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 once 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.) ÷ # 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(s) 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 to 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 roto-tilling 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 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 material to prevent erosion.

