

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering
(207) 289-3826

PROPERTY ADDRESS

Town Or Plantation: Portland-Cushing Island

Street: Portland Assessors Map 106C
Subdivision Lot #: Block D Lot 29

PROPERTY OWNERS NAME

Last: Nielsen First: Robert A. Jr.

Applicant Name: Mr. & Mrs. Robert A. Nielsen, Jr.

Mailing Address of Owner/Applicant (If Different): 148 Pine St., Portland, Me. 04102

PORTLAND PERMIT # 2,629 TOWN COPY

[Signature] \$ 40. Double Fee Charged

Local Plumbing Inspector Signature L.P.I. # _____

Owner/Applicant Statement

I certify that the information submitted is correct to the best of my knowledge and understand that any falsification is reason for the Local Plumbing Inspector to deny a Permit.

[Signature] 11/7/07

Signature of Owner/Applicant Date

Caution: Inspection Required

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

DEC 8 1987 12/8/87

Local Plumbing Inspector Signature Date Approved

PERMIT INFORMATION

THIS APPLICATION IS FOR:

1. NEW SYSTEM

2. REPLACEMENT SYSTEM

3. EXPANDED SYSTEM

4. SEASONAL CONVERSION

5. EXPERIMENTAL SYSTEM

IF REPLACEMENT SYSTEM:

YEAR FAILING SYSTEM INSTALLED _____

THE FAILING SYSTEM IS:

1. BED 2. CHAMBER 3. TRENCH 4. OTHER _____

SIZE OF PROPERTY: 0.77 Ac or 33,541 S.F. ZONING: IR-1

THIS APPLICATION REQUIRES:

1. NO RULE VARIANCE REQUIRED

2. NEW SYSTEM VARIANCE
Attach New System Variance Form

REPLACEMENT SYSTEM VARIANCE
Attach Replacement System Variance Form

3. Requires only Local Plumbing Inspector Approval

4. Requires both State and Local Plumbing Inspector Approval

DISPOSAL SYSTEM TO SERVE:

1. SINGLE FAMILY DWELLING

2. MODULAR OR MOBILE HOME

3. MULTIPLE FAMILY DWELLING

4. OTHER _____ SPECIFY _____

INSTALLATION IS COMPLETE SYSTEM

1. NON-ENGINEERED SYSTEM

2. PRIMITIVE SYSTEM (Includes Alternative Toilet)

3. ENGINEERED (+2000 gpd)

INDIVIDUALLY INSTALLED COMPONENTS:

4. TREATMENT (ONLY)

5. HOLDING TANK

6. ALTERNATIVE TOILET (ONLY)

7. NON-ENGINEERED DISPOSAL AREA (ONLY)

8. ENGINEERED DISPOSAL AREA (ONLY)

9. SEPARATED LAUNDRY SYSTEM

TYPE OF WATER SUPPLY
Public - Portland Water District

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

TREATMENT TANK

1. SEPTIC: Regular Low Profile

2. AEROBIC

SIZE: 1,000 G/I.S.

WATER CONSERVATION

1. NONE

2. LOW VOLUME TOILET

3. SEPARATED LAUNDRY SYSTEM

4. ALTERNATIVE TOILET

SPECIFY: _____

PUMPING

1. NOT REQUIRED

2. MAY BE REQUIRED (DEPENDENT ON TREATMENT TANK LOCATION AND ELEVATION)

3. REQUIRED

DOSE: _____ GALS

CRITERIA USED FOR DESIGN FLOW (BEDROOMS, SEATING, EMPLOYEES, WATER RECORDS, ETC.)

3 Bedroom
Moderate Design Flow
360 gpd
Low Volume - 36 gpd
Toilet

DESIGN FLOW: 324 (GALLONS/DAY)

SOIL CONDITIONS USED FOR DESIGN PURPOSES

PROFILE: 4 CONDITION: B

DEPTH TO LIMITING FACTOR: None Evident

SIZE RATINGS USED FOR DESIGN PURPOSES

1. SMALL

2. MEDIUM

3. MEDIUM LARGE

4. LARGE

5. EXTRA LARGE

DISPOSAL AREA TYPE/SIZE

1. BED _____ Sq Ft

2. CHAMBER 425 Sq Ft

17 Infiltrator Linear Ft

3. TRENCH _____ Linear Ft

4. OTHER: _____

SITE EVALUATOR STATEMENT

On 12/15/86 & 10/9/07 (date) I conducted a site evaluation for this project and certify that the data reported is accurate. The system I propose is in accordance with the Subsurface Wastewater Disposal Rules.

[Signature] 003/4814 11/6/07

Site Evaluator or Professional Engineer's Signature SE# / PE# Date

SITE EVALUATION WAIVED BY LOCAL OPTION

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering

Town City, Plantation

Street, Road, Subdivision

Owners Name

Portland - Cushing's Island

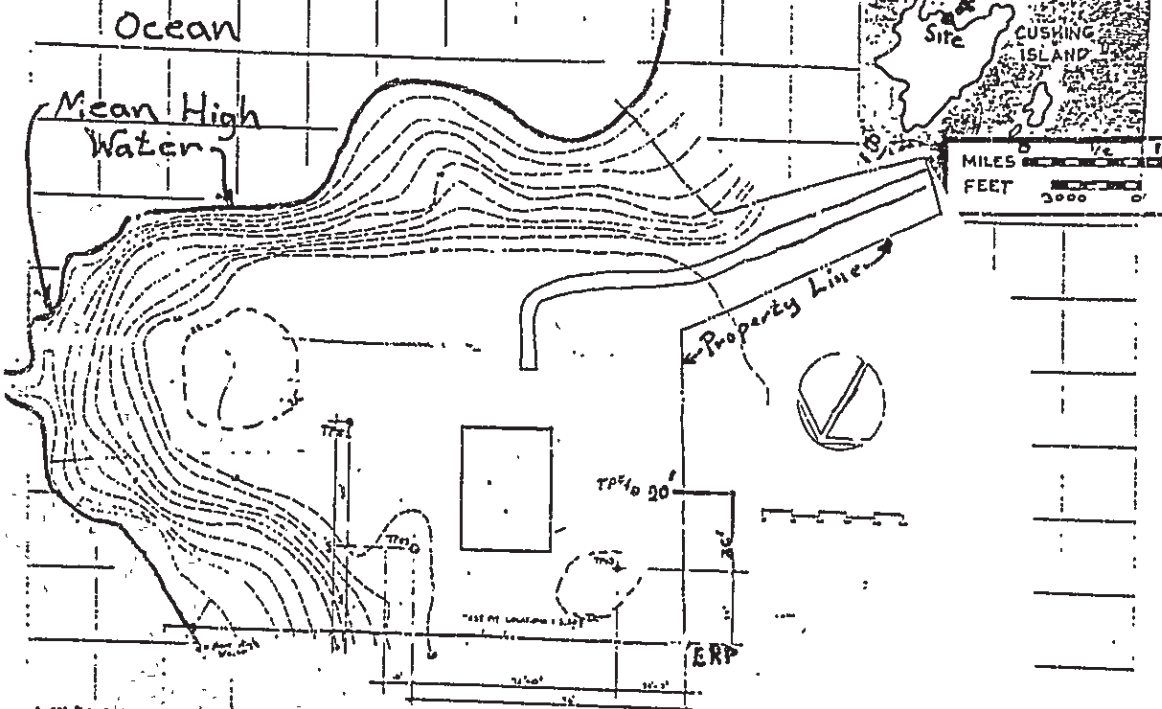
106C - D - 29

Mr. & Mrs. Robert A. Nielsen, Jr.

SITE PLAN

Scale 1" = 50.0 Ft.

SITE LOCATION PLAN



SOIL DESCRIPTION AND CLASSIFICATION

(Location of Observation Holes Shown Above)

Observation Hole 3 Test Pit Boring
 Depth of Organic Horizon Above Mineral Soil 2" Forest Peat

DEPTH BELOW MINERAL SOIL SURFACE (inches)	Texture	Consistency	Color	Mottling
0	Gravelly Loam	Loose	Dark Brown	
6	loamy Sandy Gravel	loose	Red Brown	None
10				
15				
20				
25				
30				
35				
40				
45	loamy Gravel	Med. Friable	Gray Brown	
50				

Soil Classification: B Slope: 1.0% Limiting Factor: None

Observation Hole 4 Test Pit Boring
 Depth of Organic Horizon Above Mineral Soil 3" Sod

DEPTH BELOW MINERAL SOIL SURFACE (inches)	Texture	Consistency	Color	Mottling
0	loam (fill)		Brown	
6	Sandy Gravel (fill)		Light Brown	
10	Coal & Coal Ash (fill)	Loose	Black	
15				
20	Sandy Loam		Dark Brown	None
25	loamy Gravel		Red Brown	
30		Moderately Friable	Light Brown	
35				
40				
45				
50				

Soil Classification: B Slope: 1.0% Limiting Factor: None

William B. Jordan 0003/4014 11/6/67
 Site Evaluator or Professional Engineer's Signature SE# PE# Date

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering

Town, City, Plan/zone

Portland - Cushing's Island

Street, Road, Subdivision

106C - D - 29

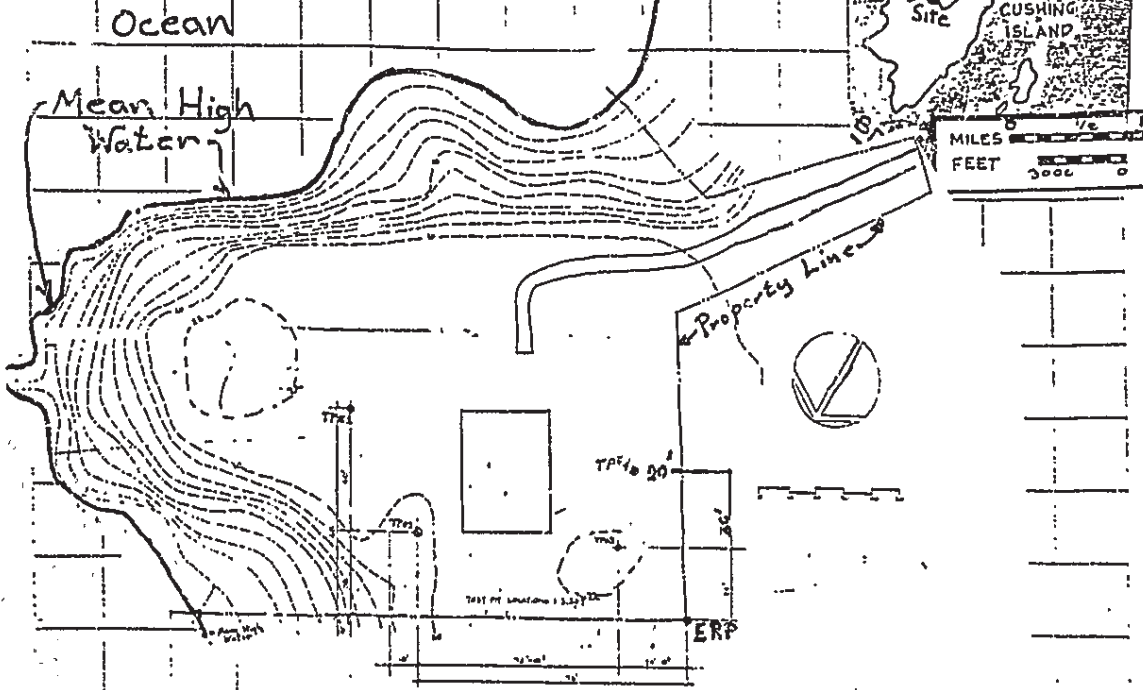
Owners Name

Mr & Mrs. Robert A. Nielsen, Jr.

SITE PLAN

Scale 1" = 50.0 Ft.

SITE LOCATION PLAN



SOIL DESCRIPTION AND CLASSIFICATION

(Location of Observation Holes Shown Above)

Observation Hole 1 Test Pit Boring
 3" Sed Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (inches)	Texture	Consistency	Color	Mottling
0-6	Gravelly Loam	Loose	Dark Brown	
6-10	Loamy Gravel	Loose	Brown	
10-15	Loamy Gravel	Loose	Brown	
15-20	Loamy Gravel	Loose	Red Brown	None
20-30	Loamy Sandy Gravel	Loose	Red Brown	None
30-50				

Sol <u>4</u>	Classification <u>B</u>	Slope <u>1.0%</u>	Limiting Factor <u>None</u>	<input type="checkbox"/> Organic Layer
				<input type="checkbox"/> Residual Layer
				<input type="checkbox"/> Bedrock

Observation Hole 2 Test Pit Boring
 3" Sed Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (inches)	Texture	Consistency	Color	Mottling
0-6	Gravelly Loam	Loose	Dark Brown	
6-10	Loamy Gravel	Loose	Brown	
10-15	Loamy Gravel	Loose	Red Brown	None
15-20	Loamy Gravel	Loose	Red Brown	None
20-30				
30-50				

Sol <u>4</u>	Classification <u>B</u>	Slope <u>2.0%</u>	Limiting Factor <u>None</u>	<input type="checkbox"/> Organic Layer
				<input type="checkbox"/> Residual Layer
				<input type="checkbox"/> Bedrock

William B. Jordan 0003/4814 - H/6/87
 Site Evaluator or Professional Engineer's Signature SE# PE# Date

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

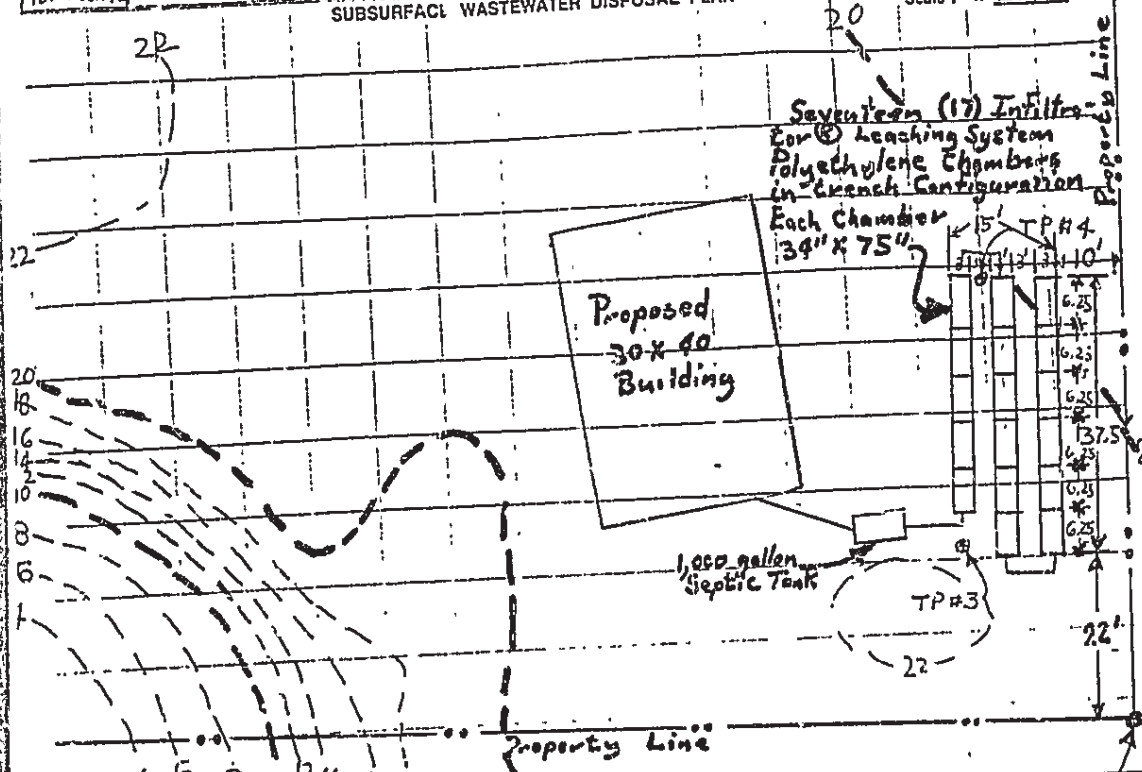
Department of Human Services
Division of Health Engineering

Town, City, Plantation: Portland - Cushings Island
 Street, Road, Subdivision: Block D
 Assessor's Map: 106C Lot # 29

Owners Name: Mr. & Mrs. Robert A. Nielsen, Jr.

SUBSURFACE WASTEWATER DISPOSAL PLAN

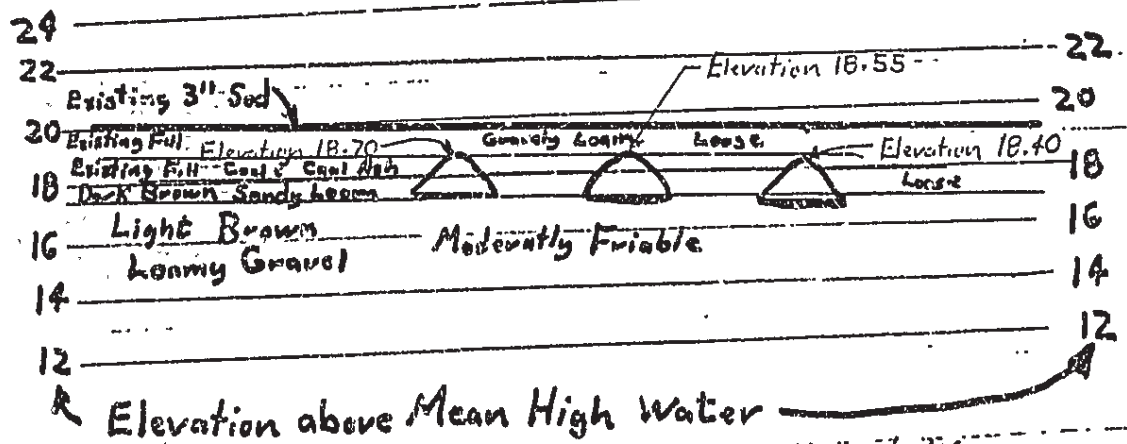
Scale 1" = 20.00 Ft.



FILL REQUIREMENTS		CONSTRUCTION ELEVATIONS		ELEVATION REFERENCE POINT LOCATION & DESCRIPTION	
Depth of Fill (Upslope)	<u>0</u>	Reference Elevation is	<u>21.00</u>	Top of Iron Pipe N.W. Corner of Property.	
Depth of Fill (Downslope)	<u>2</u>	Bottom of Disposal Area	<u>17.65</u>		
		Top of Distribution Lines or Chambers	<u>18.70</u>		

DISPOSAL AREA CROSS SECTION

Scale:
Vertical: 1 Inch = 5.0 Ft.
Horizontal: 1 Inch = 5.0 Ft.



William B. Zootman
Professional Engineer's Signature

0031981R
EE - PE

11/8/67
Date

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HHE-200 Rev 4



APPLICATION FOR PERMIT
DEPARTMENT OF BUILDING INSPECTIONS SERVICES
ELECTRICAL INSTALLATIONS

Date 1 AUG, 1983
 Receipt and Permit number 28266

To, the CHIEF ELECTRICAL INSPECTOR, Portland, Maine:
 The undersigned hereby applies for a permit to make electrical installations in accordance with the laws of
 Maine, the Portland Electrical Ordinance, the National Electrical Code and the following specifications:
 LOCATION OF WORK: Cushing Island (22 street/CBB)
 OWNER'S NAME: John Hammond ADDRESS: Same FEES

OUTLETS: Receptacles _____ Switches _____ Plugmold _____ ft. TOTAL _____

FIXTURES: (number of)
 Incandescent _____ Fluorescent _____ (not strip) TOTAL _____
 Strip Fluorescent _____ ft. _____

SERVICES: Overhead _____ Underground _____ Temporary _____ TOTAL amperes 100 60 TO 3,00
150

METERS: (number of) 1

MOTORS: (number of)
 Fractional _____
 1 HP or over _____

RESIDENTIAL HEATING:
 Oil or Gas (number of units) _____
 Electric (number of rooms) _____

COMMERCIAL OR INDUSTRIAL HEATING:
 Oil or Gas (by a main boiler) _____
 Oil or Gas (by separate units) _____
 Electric Under 20 kws _____ Over 20 kws _____

APPLIANCES: (number of)
 Ranges _____ Water Heaters _____
 Cook Tops _____ Disposals _____
 Wall Ovens _____ Dishwashers _____
 Dryers _____ Compactors _____
 Fans _____ Others (denote) _____

TOTAL _____

MISCELLANEOUS: (number of)

Branch Panels _____
 Transformers _____
 Air Conditioners Central Unit _____
 Separate Units (windows) _____

Signs 20 sq. ft. and under _____
 Over 20 sq. ft. _____

Swimming Pools Above Ground _____
 In Ground _____

Fire/Burglar Alarms Residential _____
 Commercial _____

Heavy Duty Outlets, 220 Volt (such as welders) 30 amps and under _____
 over 30 amps _____

Circus, Fairs, etc. _____

Alterations to wires _____

Repairs after fire _____

Emergency Lights, battery _____

Emergency Generators _____

FOR ADDITIONAL WORK NOT ON ORIGINAL PERMIT INSTALLATION FEE DUE: 3.50
 FOR REMOVAL OF A "STOP ORDER" (304-16.b) DOUBLE FEE DUE: _____
 TOTAL AMOUNT DUE: Min - 5.00

INSPECTION: Will be ready on _____, 19____; or Will Call: ✓
 CONTRACTOR'S NAME: Seabee Electric
 ADDRESS: 58 Victor Road
 TEL: 724-4880
 MASTER LICENSE NO.: 3041 SIGNATURE OF CONTRACTOR: William Hagman
 LIMITED LICENSE NO.: _____

INSPECTOR'S COPY — WHITE
 OFFICE COPY — CANARY
 CONTRACTOR'S COPY — GREEN