



Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 02/01/18

Maine Dept. Health & Div of Environmental (207) 287-2070 Fax:

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

>> CAUTION: LPI APPROVAL REQUIRED <<

Date:

PROPERTY LOCATION

City, Town, or Plantation: Portland

Street or Road: Ice Pond Drive

Subdivision, Lot #: Lot 3

Town/City: Portland Permit # 2017-07310

Date Permit Issued: 1/18 Fee: \$ 250.00 Double Fee Charged []

Local Plumbing Inspector Signature: [Signature] L.P.I. # 1188

Owner Town State

OWNER/APPLICANT INFORMATION

Name (last, first, MI): Small, Jake + Christine Owner Applicant

Mailing Address of Owner/Applicant: 105 Corn Street

Daytime Tel. #: 207-671-7657

The Subsurface Wastewater Disposal System shall not be installed until a Permit is issued by the Local Plumbing Inspector. The Permit shall authorize the owner or installer to install the disposal system in accordance with this application and the Maine Subsurface Wastewater Disposal Rules.

Municipal Tax Map # _____ Lot # _____

OWNER OR APPLICANT STATEMENT

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 of Owner or 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 Application.

Local Plumbing Inspector Signature _____ (1st) date approved _____

Local Plumbing Inspector Signature _____ (2nd) date approved _____

PERMIT INFORMATION

TYPE OF APPLICATION

1. First Time System

2. Replacement System

Type replaced: _____

Year installed: _____

3. Expanded System

a. <25% Expansion

b. >25% Expansion

4. Experimental System

5. Seasonal Conversion

THIS APPLICATION REQUIRES

1. No Rule Variance

2. First Time System Variance

a. Local Plumbing Inspector Approval

b. State & Local Plumbing Inspector Approval

3. Replacement System Variance

a. Local Plumbing Inspector Approval

b. State & Local Plumbing Inspector Approval

4. Minimum Lot Size Variance

5. Seasonal Conversion Permit

DISPOSAL SYSTEM COMPONENTS

1. Complete Non-engineered System

2. Primitive System (graywater & alt. toilet)

3. Alternative Toilet, specify: _____

4. Non-engineered Treatment Tank (only)

5. Holding Tank, _____ gallons

6. Non-engineered Disposal Field (only)

7. Separated Laundry System

8. Complete Engineered System (2000 gpd or more)

9. Engineered Treatment Tank (only)

10. Engineered Disposal Field (only)

11. Pre-treatment, specify: _____

12. Miscellaneous Components

SIZE OF PROPERTY

34,272 SQ. FT. ACRES

SHORELAND ZONING

Yes No

DISPOSAL SYSTEM TO SERVE

1. Single Family Dwelling Unit, No. of Bedrooms: 4

2. Multiple Family Dwelling, No. of Units: _____

3. Other: _____ (specify)

Current Use Seasonal Year Round Undeveloped

TYPE OF WATER SUPPLY

1. Drilled Well 2. Dug Well 3. Private

4. Public 5. Other

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

TREATMENT TANK

1. Concrete

a. Regular

b. Low Profile

2. Plastic

3. Other: _____

CAPACITY: 1000 GAL.

DISPOSAL FIELD TYPE & SIZE

1. Stone Bed 2. Stone Trench

3. Proprietary Device

a. cluster array c. Linear

b. regular load d. H-20 load

4. Other: _____

SIZE: 12x8 sq. ft. lin. ft.

GARBAGE DISPOSAL UNIT

1. No 2. Yes 3. Maybe

If Yes or Maybe, specify one below:

a. multi-compartment tank

b. _____ tanks in series

c. increase in tank capacity

d. Filter on Tank Outlet

DESIGN FLOW

360 gallons per day

BASED ON:

1. Table 4A (dwelling unit(s))

2. Table 4C (other facilities)

SHOW CALCULATIONS for other facilities

3. Section 4G (meter readings)

ATTACH WATER METER DATA

SOIL DATA & DESIGN CLASS

PROFILE CONDITION: 21 A11/c

at Observation Hole # B

Depth 30"

of Most Limiting Soil Factor

DISPOSAL FIELD SIZING

1. Medium—2.6 sq. ft. / gpd

2. Medium—Large 3.3 sq. ft. / gpd

3. Large—4.1 sq. ft. / gpd

4. Extra Large—5.0 sq. ft. / gpd

EFFLUENT/EJECTOR PUMP

Not Required

May Be Required

Required

Specify only for engineered systems:

DOSE: _____ gallons

LATITUDE AND LONGITUDE

at center of disposal area:

Lat. N 43 d 42 m 05.0 s

Lon. W 07 d 15 m 50.8 s

if g.p.s., state margin of error: 27' ±

SITE EVALUATOR STATEMENT

I certify that on 7/12/2017 (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).

Site Evaluator Signature: [Signature] SE #: 286 Date: 7/12/2017

Site Evaluator Name Printed: Daniel P. Colby Telephone Number: 207-631-1549 E-mail Address: _____



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SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
 Division of Health Engineering
 (207) 287-5672 Fax: (207) 287-5673

Town, City, Plantation

Street, Road, Subdivision

Owner's Name

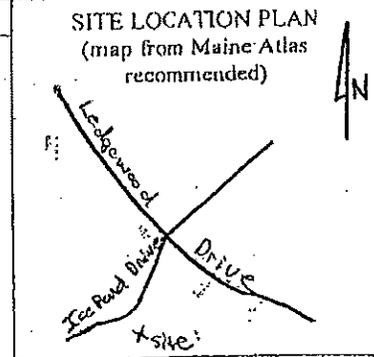
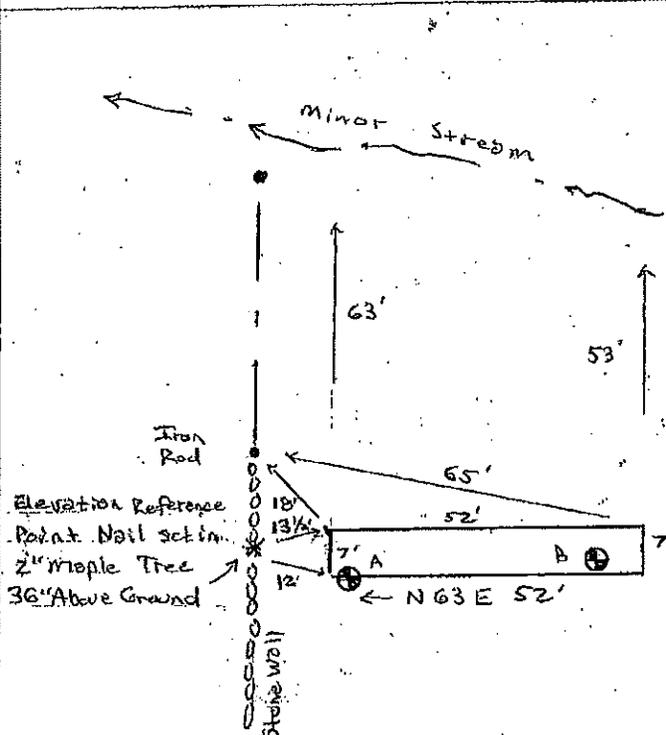
Portland Ice Pond Drive

Jake + Christina Small

SITE PLAN

Scale 1" = 30' ft. or as shown

SITE LOCATION PLAN
 (map from Maine Atlas recommended)



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

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

Depth Below Mineral Soil Surface (inches)	Texture	Consistency	Color	Mottling
0	Loom	Friable	Dark Brown	
10	Sandy		Yellow	
20	Loom		Brown	
30				Evident
30	Bed rock			
40				
50				

Soil Classification Profile	Slope	Limiting Factor	<input type="checkbox"/> Ground Water <input type="checkbox"/> Restrictive Layer <input type="checkbox"/> Bedrock <input type="checkbox"/> Pit Depth
2 A11/c	7 %	31	

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

Depth Below Mineral Soil Surface (inches)	Texture	Consistency	Color	Mottling
0	Loom	Friable	Dark Brown	
10	Sandy		Yellow	
20	Loom		Brown	Evident
30		Possible	Bedrock	
40				
50				

Soil Classification Profile	Slope	Limiting Factor	<input checked="" type="checkbox"/> Ground Water <input type="checkbox"/> Restrictive Layer <input type="checkbox"/> Bedrock <input type="checkbox"/> Pit Depth
2 A11/c	1 %	30	

David Hely

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7/12/2017



SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Serv Date:
Division of Health Engineering
(207) 287-5872 FAX (207) 287-4172

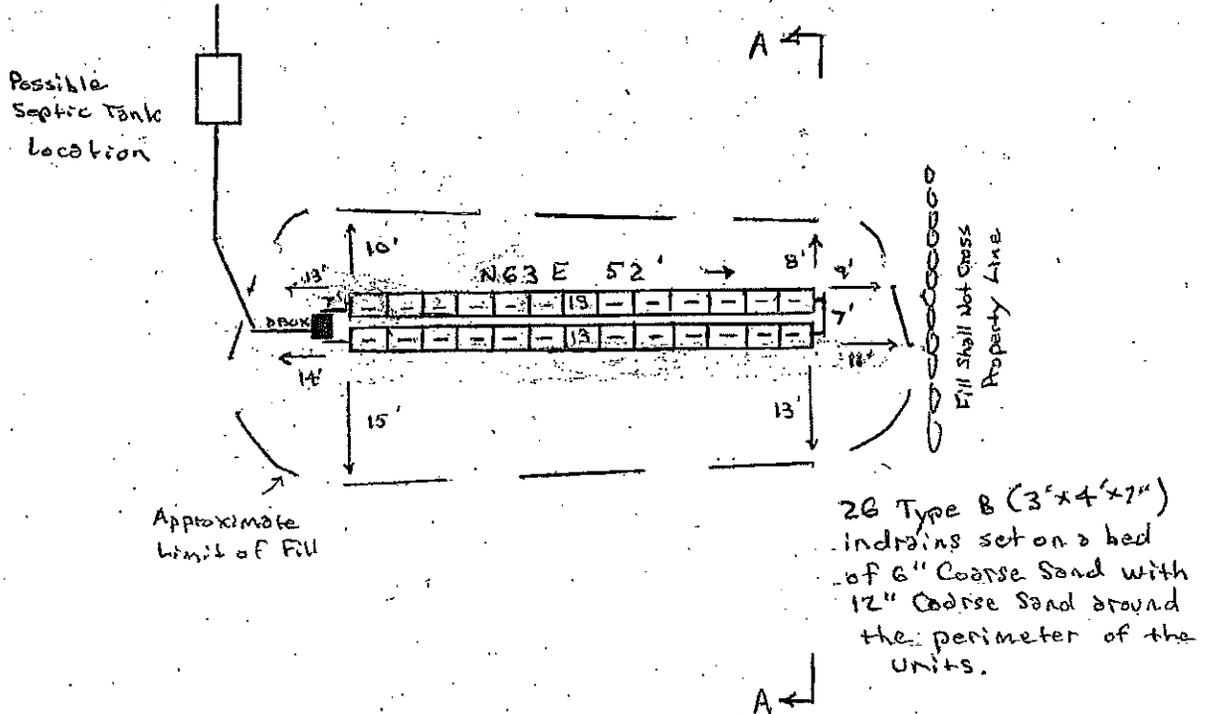
Town, City, Plantation
Portland

Street, Road, Subdivision
Ice Pond Drive

Owner's Name
Jake + Christina Small

SUBSURFACE WASTEWATER DISPOSAL PLAN

SCALE 1" = 20' FT.



FILL REQUIREMENTS

Depth of Fill (Upslope)	14" - 20"
Depth of Fill (Downslope)	20" - 21"

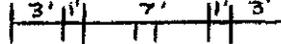
CONSTRUCTION ELEVATIONS

Finished Grade Elevation	-29"
Top of Distribution Pipe	-37"
Bottom of Disposal Area Indrain	-48"

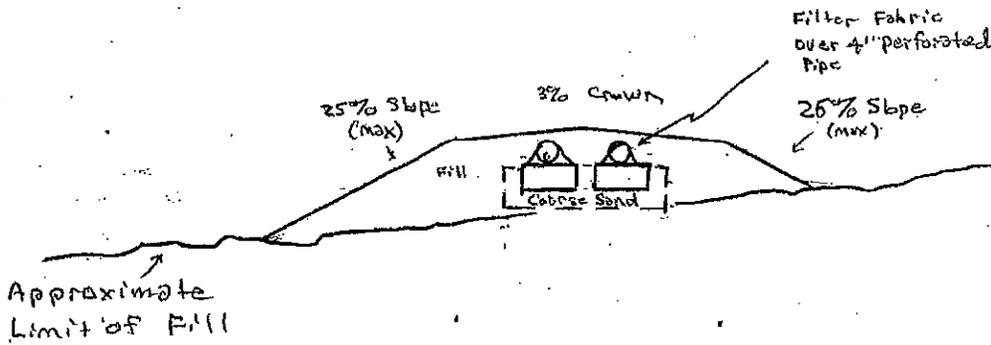
ELEVATION REFERENCE POINT

Location & Description	Nail set in 2" Maple Tree 36" Above Ground
Reference Elevation	0' 0"

DISPOSAL AREA CROSS SECTION



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



Section A - A

[Signature]
Site Evaluator Signature

286
SE

7/12/2017
Date



Colby & Associates Daniel P. Colby

PO Box 125 ♦ Wiscasset, Maine 04578
Phone (207)-882-9742 ♦ Fax (207)-882-9742

General Notes

- 1) Property Information as supplied by owner, applicant, or representative. Therefore such information shall be verified as correct by the owner or applicant prior to signing the application. Property lines not shown herein are considered to be more than 50' from the disposal area.
- 2) Fill to be free of foreign debris and coarse sand to gravelly coarse sand texture with 4 - 8% passing a #200 sieve and shall contain less than 5% by volume of rocks greater than 3" in size. The top 4" in cover material to be suitable for the establishment of good vegetative cover and seeded or covered with a layer of 3" to 6" wood chips. If wood chips are to be used they shall be maintained to prevent erosion.
- 3) Work to be done in accordance with the rules.
- 4) No wells were apparent within 100' of the disposal area. Owner to verify before signing this application.
- 5) All work on disposal area to be performed under dry conditions.
- 6) Minimum separation distances required (unless reduced by variance)

Any well to disposal area.....	100'
Any well to septic tank.....	100'
Septic tank to foundation	8'
Septic Field to Full Foundation.....	20'
Septic Field to Slab or Frost Wall.....	15'

Other separation distances as per rules.
- 7) Fill shall be placed in 8" compacted lifts.
- 8) Remove vegetation and scarify original soil under entire disposal area and fill extensions before placing fill. Bottom 4" of fill shall be mixed with original ground to improve infiltration.
- 9) This Site Evaluation has been done in compliance with the Maine State Plumbing Code. The approval and or design may be subject to more restrictive local ordinances. The Local Plumbing inspector should be contacted for final review and approval.
- 10) Any questions should be directed to Daniel P. Colby at the above address .