SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Department of Division of Health Eng (207) 287-5672 Fax:

Reviewed for Code Compliance Inspections Division Approved with Conditions

Date: 04/05/18

PROPERTY LOCATION

City, Town, or Plantation	Portland
Street or Road	32 Ice Pond Drive
Subdivision, Lot #	

>> CAUTION: LPI APPROVAL REQUIRED <<

Town/City _____ Permit # _____

Date Permit Issued ___/___/___ Fee: $ _____ Double Fee Charged ☐

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

☐ Owner ☐ Town ☐ State

OWNER/APPLICANT INFORMATION

Name (last, first, MI) Carson, Dustin & Sarah ☐ Owner ■ Applicant

Mailing Address of Owner/Applicant: 24 Bear Run, Gorham, Maine 04038

Daytime Tel. # (207) 314-3596

The Subsurface Wastewater Disposal System shall not be installed until a Permit is issued by the Local Plumbing Inspector. This 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. _____ (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
- ☐ 3. Replacement System Variance
  - ☐ a. Local Plumbing Inspector Approval
  - ☐ b. State & Local Plumbing Inspector
- ☐ 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

0.46 ☐ SQ. FT. ■ ACRES

SHORELAND ZONING

☐ Yes ■ No

DISPOSAL SYSTEM TO SERVE

- ■ 1. Single Family Dwelling Unit, No. of Bedrooms: 3
- ☐ 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: 1,000 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: 1008 ■ 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

270 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

PROFILE 2 CONDITION C

at Observation Hole # TP-1

Depth 18 "

of Most Limiting Soil Factor

Groundwater

DISPOSAL FIELD SIZING

- ☐ 1. Medium---2.6 sq. ft. / gpd
- ■ 2. Medium---Large 3.3 sq. f.t / gpd
- ☐ 3. Large---4.1 sq. ft. / gpd
- ☐ 4. Extra Large---5.0 sq. ft. / gpd

EFFLUENT/EJECTOR PUMP

- ☐ 1. Not Required
- ■ 2. May Be Required
- ☐ 3. Required

Specify only for engineered systems:

DOSE: _____ gallons

LATITUDE AND LONGITUDE

at center of disposal area

Lat. N43 d 42 m 5.2 s

Lon. W70 d 15 m 54.0 s

if g.p.s. state margin of error: 20'

SITE EVALUATOR STATEMENT

I certify that on 2-7-18 (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).

Dave v. Chapman	293	2-8-18
Site Evaluator Signature	SE #	Date
Dave Chapman	(207) 200-2129	dchapman@sebagotechnics.com
Site Evaluator Name Printed	Telephone Number	Email Address

Designed with SeptiCAD v3

Note: Changes to or deviations from the design should be confirmed with the Site Evaluator.

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Maine Department of Human Services
Division of Health Engineering, Station
(207) 287-5672 Fax: (207) 287-3165

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Portland	32 Ice Pond Drive	Dustin & Sarah Carson

SITE PLAN Scale 1" = 50 ft.

NOTES:
1. Septic tank and disposal field must be located at least 8' and 20' from a full foundation.
2. Scarify all ground to be filled. Remove vegetation and organic loam topsoil. Scarify soil to a depth of 6 inches by mixing gravelly coarse sand with native soil using a rototiller or a backhoe bucket with teeth.
3. Insulate the Distribution Box (D-Box).
4. Review the Eljen Geotextile Sand Filter (GSF) Design and Installation Manual before installing this system.

SOIL PROFILE 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 (inches)	Texture	Consistency	Color	Mottling
0–6	Sandy Loam	Friable	Brown	
6–12			Yellowish Brown	
12–18			Olive Brown	Common/ Distinct
18–36				
36–48	Bedrock			

Soil Profile	Classification Condition	Slope Percent	Limiting Factor Depth	
2	AIII	10	18"	■ Groundwater ☐ Restrictive Layer ☐ Bedrock

Observation Hole # _____ ☐ Test Pit ☐ Boring

" Depth of organic horizon above mineral soil

Depth below mineral soil surface (inches)	Texture	Consistency	Color	Mottling
0–48				

Soil Profile	Classification Condition	Slope Percent	Limiting Factor Depth	
				☐ Groundwater ☐ Restrictive Layer ☐ Bedrock

Dan V. Chapman
Site Evaluator Signature

293
SE #

2-8-18
Date

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SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale: 1

BACKFILL REQUIREMENTS		CONSTRUCTION ELEVATIONS		ELEVATION REFERENCE POINT
				Location & Description: 18" Oak
Depth of Backfill (upslope)	13-24"	Finished Grade Elevation	-54	Nail 65" Above Ground
Depth of Backfill (downslope)	16-37"	Top of Pipe	-62	
		Bottom of Eljen Units	-73	Reference Elevation is 0.0" or:

NOTE: SCARIFY ALL GROUND SURFACE TO BE FILLED. USE GRAVELLY COARSE SAND WITHIN 3' OF ELJENS. REMAINING FILL: LOAMY SAND (no clay)

DISPOSAL FIELD CROSS SECTION

Scales:
Verticle: 1" = 5
Horizontal: 1" = 5

ROW #	1	2	3
TOP	-62"	-62"	-62"
BOTTOM	-73"	-73"	-73"

TOP OF ROW #1 INLET AT -62"

Site Evaluator Signature	SE #	Date	
David V. Chapman	293	2-8-18	Page 3 of 3
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