

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

CK1193
Maine Dept. Health & Human Services
Div of Environmental Health - 11 SHS
(207) 287-2070 FAX (207) 287-4172

PROPERTY LOCATION

City, Town, or Plantation	YARMOUTH; COUSINS ISLAND
Street or Road	60 HAMILTON WAY
Subdivision, Lot #	

STATE
Town of Yarmouth

Permit # 4748

Date Permit Issued 10/8/2020 Fee: \$ 250.00
☐ Double Fee Charged

OWNER/APPLICANT INFORMATION

Name (last, first, MI)	HAMROCK TAMSON	☒ Owner ☐ Applicant
Mailing Address of Owner/Applicant	50 HAMILTON WAY YARMOUTH, ME 04096	
Daytime Tel. #	917-733-5177	

F
C

Local Plumbing Inspector Signature

L.P.I. # 11271

Municipal Tax Map # 53 Lot # 29

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/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 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 (2000gpd+) ☐ 9. Engineered Treatment Tank (only) ☐ 10. Engineered Disposal Field (only) ☐ 11. Pre-treatment, specify: _____ ☐ 12. Miscellaneous components
SIZE OF PROPERTY 1. 4 ☐ SQ. FT. ☒ ACRES	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: _____
SHORELAND ZONING ☒ Yes ☐ No		

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

TREATMENT TANK ☒ 1. Concrete ☒ a. Regular ☐ b. Low Profile ☐ 2. Plastic ☐ 3. Other: _____ CAPACITY: 1000 GAL SEE NOTE ON PAGE 3	DISPOSAL FIELD TYPE & SIZE ☐ 1. Stone Bed ☐ 2. Stone Trench ☒ 3. Proprietary Device ☐ a. Cluster array ☒ c. Linear ☒ b. Regular ☐ d. H-20 loaded ☐ 4. Other: _____ SIZE: 1344 sq. ft. ☐ lin. ft. 28 ELJEN GSF UNITS	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 PROPOSED 4 BEDROOMS AT 90 GALLONS PER DAY EACH ☐ 3. Section 4G (meter readings) ATTACH WATER-METER DATA LATITUDE AND LONGITUDE at center of disposal area Lat. N 43 d 45 m 33.78 s Lon. W 70 d 8 m 49.40 s If g.p.s., state margin of error
SOIL DATA & DESIGN CLASS PROFILE CONDITION 2 / AIII at Observation Hole # TB D Depth 19" 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 ☐ 1. Not required ☒ 2. May be required ☐ 3. Required Specify only for engineered systems: SEE NOTE ON PAGE 3 DOSE: _____ gallons	

SITE EVALUATOR STATEMENT

I certify that on 2/4/2020 (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 Subsurface Wastewater Disposal Rules (10-144A CMR 241).

Site Evaluator Signature

352
SE #

2/19/2020
Date

BRADY A. FRICK

Site Evaluator Name Printed

(207) 839-5563

Telephone Number

BRADY@ALBERTFRICK.COM

E-mail Address

ALBERT FRICK ASSOCIATES - 380B MAIN STREET, GORHAM, MAINE 04038 - (207) 839-5563

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

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

Observation Hole TB5 ☐ Test Pit ☒ Boring

 " Depth of Organic Horizon Above Mineral Soil

Texture	Consistency	Color	Mottling
TB A = 24" TO REFUSAL / BEDROCK			
TB B = 24" TO REFUSAL / BEDROCK			
TB C = 30" TO REFUSAL / BEDROCK			
TB D = 19" TO REFUSAL / BEDROCK			
TB E = 32" TO REFUSAL / BEDROCK			

Soil Classification		Slope	Limiting Factor	☐ Ground Water ☐ Restrictive Layer ☐ Bedrock ☐ Pit Depth
Profile	Condition	%	"	

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Owner's Name
TAMSON HAMROCK

~~SCALE 1" = 20 FT.~~

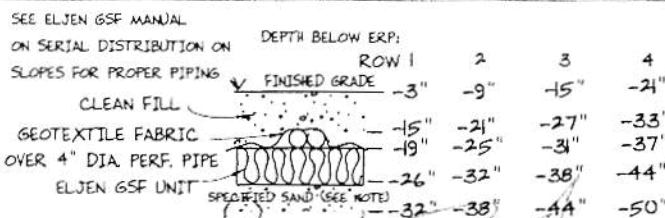


ELEVATION REFERENCE POINT

Location & Description BOTTOM OF
SIDING, 9" ABOVE BRICK
Reference Elevation is: 0.0" or _____

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

A cross-section diagram of a road. The diagram shows a central road section with a width of 15'. On either side of the road is a shoulder, each 5' wide. Beyond the shoulders are fill areas, each 20' to 24' wide. The dimensions are labeled as follows: $\pm 4' - 6'$ for the left fill, 5' for the left shoulder, 15' for the road, 5' for the right shoulder, and $\pm 20' - 24'$ for the right fill. The labels 'FILL EXT. SHOULDER', 'SHOULDER', and 'FILL EXT.' are placed below the corresponding sections.



NOTE: SPECIFIED SAND: ASTM SPECS,
WITH LESS THAN 10% PASSING A #100 SIEVE
AND LESS THAN 5% PASSING A #200 SIEVE
(THE SAND 6" UNDER, BETWEEN ROWS AND
AROUND THE PERIMETER OF THE GSF UNITS)

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YARMOUTH; COUSINS ISLAND

60 HAMILTON WAY

TAMSON HAMROCK

TOWN

LOCATION

APPLICANT'S NAME

1) The Plumbing and Subsurface Wastewater Disposal Rules adopted by the State of Maine, Division of Health and 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 law) 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 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 per the "Rules" to allow for easy maintenance of filter.

5) 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.

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) 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 to within 6" of a finished ground surface.

Vehicular traffic over disposal system is prohibited unless specifically designed with H-20 rated components.

TOWN	LOCATION	APPLICANT'S NAME
YARMOUTH; COUSINS ISLAND	60 HAMILTON WAY	TAMSON HAMROCK
7)	The actual waste 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	
8)	The general minimum setbacks between a well (public or private) 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 pitch requirements. In gravity systems, the invert of the septic tank(s) outlet(s) should be at least 4 inches above the invert of the distribution box outlet at the disposal area.	
10)	<u>When an effluent pump is required:</u> Pump stations should be sized per manufacturer's specifications to meet lift requirements and friction loss. 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. Additional fill beyond indicated on plan may be necessary to replace organic matter. 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 settling). 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, with 4" min. soil or soil amendment mix suitable for growing, 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.	

