SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Health & Human Services

Leeds PERMIT# 1756 STATE COPY

Date Issued 9/25/19 $ 250.00 Double Fee ☐

Ernest Sylvester L.P.I. # 457

Local Plumbing Inspector Signature

THE WORK SPECIFIED IN THIS APPLICATION IS HEREBY AUTHORIZED TO BE INSTALLED IN ACCORDANCE WITH THE RULES. THIS PERMIT EXPIRES AFTER TWO YEARS FROM DATE ISSUED UNLESS WORK HAS COMMENCED.

PROPERTY LOCATION

City, Town or Plantation	Leeds
Street or Road	Church Hill Rd.
Subdivision, Lot #	

OWNER/APPLICANT INFORMATION

Name (last, first, MI) Turn Key Homes of Maine ☐ Owner ☒ Applicant

Mailing Address of Owner / Applicant: c/o Todd Truman, 698 Main St., Oxford, ME. 04270

Daytime Tel. # 207 441 7116

Municipal Tax Map # 5 Lot # 3-1

Owner 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: 9-25-19

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 — (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 Variance

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

2+/- ☐ sq. ft. ☒ acres

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

SHORELAND ZONING

☐ Yes ☒ No

TYPE OF WATER SUPPLY

1. ☐ Drilled Well 2. ☐ Dug Well 3. ☐ Private
4. ☐ Public 5. ☐ Other FUTURE

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

TREATMENT TANK

☒ 1. Concrete
☒ a. Regular
☐ b. Low Profile
☐ 2. Plastic
☐ 3. Other

CAPACITY 1000 or larger gallons

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 700 ☒ sq. ft. ☐ lin. ft.
14 Plastic Chambers

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 or
☒ d. Filter on Outlet*

*see "must read" note4 on pg 2

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 & DESIGN CLASS

PROFILE CONDITION
4 / B
of Observation Hole
Depth 39"
or of Most Limiting Factor

DISPOSAL AREA 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
DOSE _____ Gallons

LATITUDE AND LONGITUDE

at center of disposal area
Lat. 44 d 17 m 09.51 s N
Lon. 70 d 08 m 53.38 s W
of gps, state margin of error: 30+/- ft.

SITE EVALUATOR'S STATEMENT

I certify that on 9/24/19 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 — SE # 67 — Date 9/26/19

W. HORTON — Site Evaluator Name Printed

647-8798 — Telephone #

meldrum@megalink.net — E-mail Address

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

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

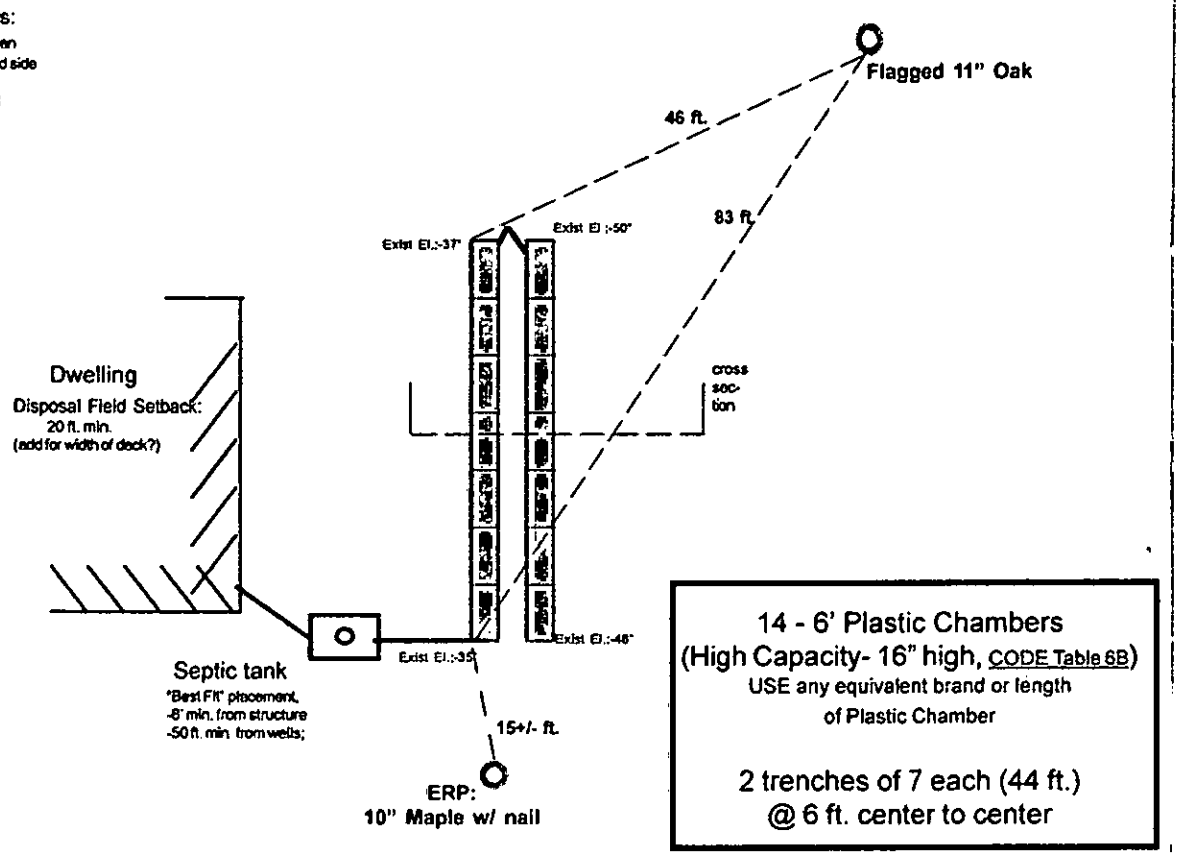
Department of Human Services
Division of Health Engineering
(207) 287-5672 FAX (207) 287-4172

Town, City or Plantation	Street, Road, Subdivision	Owner or Applicant Name
Leeds	Church Hill Rd.	Turn Key Homes

SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale: 1" = 20 Ft.

NOTES on plastic chambers:
-Some types easily spread & buckle when loaded w/ backfill. When installing, solid side support is important.
-In the 1st. chamber of a row, construct splash area or other method to prevent erosion due to force of inflow.
-NO "D" Box



14 - 6' Plastic Chambers
(High Capacity- 16" high, CODE Table 6B)
USE any equivalent brand or length of Plastic Chamber

2 trenches of 7 each (44 ft.)
@ 6 ft. center to center

> = 4" Solid PVC Connection Pipe

FILL REQUIREMENTS

Depth of Backfill (Upslope) 0 *
Depth of Backfill (Downslope) 0+/- *
DEPTH AT CROSS-SECTION (shown below)

CONSTRUCTION ELEVATIONS

Finished Grade Elevation* (Top Row **) -37 *
Top of Distribution Pipe or Proprietary Devices -45 *
Bottom of Disposal Area -61 *

ELEVATION REFERENCE POINT

Location & Description nail in 10" Maple

Reference Elevation is: 0.0" or:

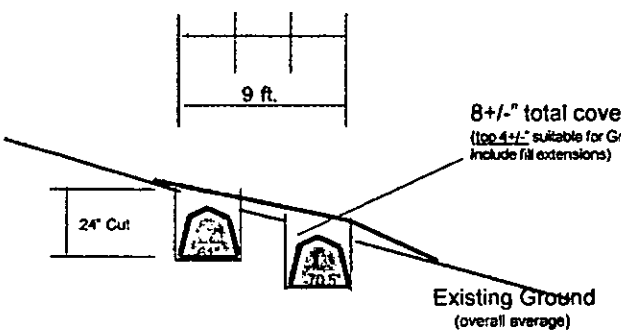
Construction Notes:

1. General installation procedure shall follow CODE manual, section II. Available from State, call: (207) 287 5689.
2. Fill above devices shall be on-site soils or coarser material. (There is a hand test for installers that should be used to determine soil suitability, in above CODE book, sect. 11E2a.)
3. Inspection &/or an "Affidavit" of Site Preparation may be required by LPI prior to installaion.

(Installers must be familiar w/ CODE Section 11)

DISPOSAL AREA CROSS SECTION

3 ft. Devices w/ 3 ft. Spacing



3' Plastic Chambers

25"+/- above ground

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

** Step Down Connection Pipe By 9.5" Each

Actual ground is irregular and the fill requirements, as shown, are approximate. Installer shall review site for his estimate.

L.A. Horta — Site Evaluator Signature
67 — SE #
9/26/19 — Date

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Division of Health Engineering, Station 10
(207) 287-4672 FAX (207) 287-4172

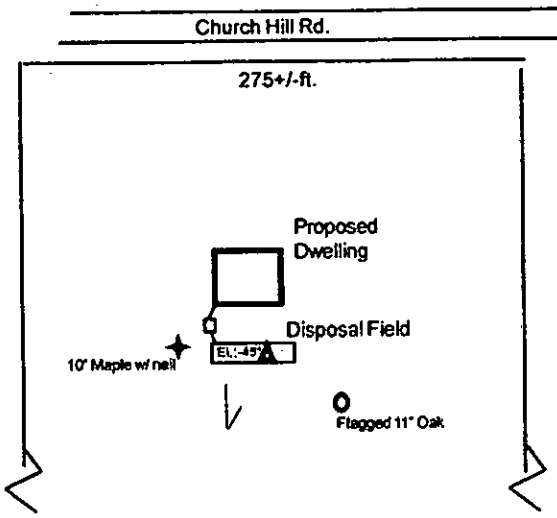
Town, City or Plantation: Leeds | Street, Road, Subdivision: Church Hill Rd. | Owner or Applicant Name: Turn Key Homes

SITE PLAN Scale: 1" = 100 Ft.

→ = SLOPE

✦ = E.R.P.

▲ = OBSERVATION PIT



SITE LOCATION PLAN
(Attach map from Maine Atlas for First Time System Variance)

457 Church Hill Rd.

NOTES:
1. Septic Tank shall be watertight or of monolithic construction.
2. Take all necessary measures to protect against surface erosion of Disposal Field, including grading on the high side of Disposal Field to Divert Surface Runoff.

SOIL PROFILE DESCRIPTION AND CLASSIFICATION

Observation Hole 1 ☒ Test Pit ☐ Boring

1 " Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (inches)	Texture	Consistency	Color	Mottling
0	Loam		Dk. Br.	
10			Brown	
20	Loamy Sand Till	Friable	Lt. Brown	
30				
40				
50				

Visual observations indicate that the entire proposed disposal area has approximately the same soil profile.

Soil Profile	Classification Condition	Slope Percent	Limiting Factor Depth	
4	B 1	13.5%	39"	☐ Ground Water ☐ Restrictive Layer ☐ Bedrock

MUST BE READ BY OWNER and INSTALLER -
The signature for *Owner Statement* (page 1) shall indicate the reading and understanding of the following (Site Evaluator's phone number is on page #1 for all questions):
1. This Application requires a Permit from the Town.
2. This Application satisfies only the State Code for external plumbing which CODE (or "Rules") is incorporated herein by reference and made part of this Application.
3. **Installation compliance of this design is the sole responsibility of the Owner.**
4. *Whenever garbage disposal is contemplated or the GSF modules are used,* filter or larger tank is required. SE recommends a larger tank because filters require the cost of maintanance (cleaning prior to onset of frozen ground every year or risk of clogging).
5. Provide easy access to Tanks for cleanout with risers, if necessary. Use concrete tile w/ cover if below-ground depth of cleanout is over 12+/-".
6. Prior to its submission to the Town's LPI for a permit, *owner is obligated to review this Application and verify* that it accurately describes the intended use (present and future) for the system, and that all setbacks and other information hereon is complete and factually correct. This review especially applies *to neighbors' wells* (within 100 ft. of proposed disposal field) which are often initially unidentifiable. The Town's LPI 's review must include conformity to local ordinances. Report discrepencies to the S E.
7. The layout flags placed by the SE can be moved or lost. Therefore, Installer must use the layout measurements on page 3 to locate the disposal field. If a property line is in the vicinity of the proposed disposal system, the Owner is responsible for locating the same prior to installation.
8. Proper functioning of a disposal system requires Septic Tank being pumped out periodically. Non-pumping reduces the life expectancy of a disposal field, causing clogging and requiring a replacement.
9. Because the method of installation and quality* of the owner's wastewater have a significant effect on the proper functioning of a septic system, it is not possible to adequately predict the longevity of a particular septic system design.
*Certain products (fat, oils, soaps, septic tank additives (especially), cat litter, baby wipes, & dishwasher water) are to be used with caution as they are harmful to the biochemical process of a Septic System. Contents of water softeners are to be treated as just water and not emptied into disposal field.
10. Recommendations: Photo open installation showing pipes or chambers. Also, have precise measurements of the as-built disposal field and septic tank for recording on page 3 of this HHE 200 for future reference and file with private papers.

Site Evaluator Signature — SE # 67 — 9/26/19 Date