JOB NO. 24-017

# SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Department of Human Services
Division of Health Engineering, 11 SHS
(207) 287-2070 FAX (207) 287-4172

## PROPERTY LOCATION

| | |
|---|---|
| City, Town, or Plantation | POLAND |
| Street or Road | 33 JACKSON HILL RD. |
| Subdivision Lot # | N/A |

## OWNER/APPLICANT INFORMATION

Name (last,first,MI) GRIMM, JEFF — ■ Owner ☐ Applicant

| | |
|---|---|
| Mailing Address Of Owner Applicant | 28 REVERE ST. APT. 5<br>PORTLAND, ME 04103 |
| Daytime Tel. # | 720-629-7630 |

### 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: LPI APPROVAL REQUIRED «

Town/City _____ Permit # _____

Date Permit Issued ___/___/___ Fee: $_____ Double Fee Charged [ ]

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

Fee : $ _____ state min fee $ _____ Locally adopted fee

Copy: [ ] Owner [ ] Town [ ] State

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 # 13 Lot # 39

### 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's Signature _____ (2nd) Date Approved _____

## PERMIT INFORMATION

### TYPE OF APPLICATION

- ☐ 1. First Time System
- ■ 2. Replacement System
  - Type Replaced: UNKNOWN
  - Year Installed: 1985±
- ☐ 3. Expanded System
  - ☐ a. <25% Expansion
  - ☐ b. >25% Expansion
- ☐ 4. Experimental System
- ☐ 5. Seasonal Conversion

### SIZE OF PROPERTY

3.0± ☐ sq. ft. ■ acres

### SHORELAND ZONING

☐ Yes ■ No

### 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 TO SERVE:

- ■ 1. Single Family Dwelling Unit, No. of Bedrooms: 2
- ☐ 2. Multiple Family Dwelling, No. of Units: _____
- ☐ 3. Other: _____ (specify)

Current Use ☐ Seasonal ■ Year Round ☐ Undeveloped

### 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

### TYPE OF WATER SUPPLY

■ 1. Drilled Well ☐ 2. Dug Well ■ 3. Private ☐ 4. Public ☐ 5. Other: EXISTING

## DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

### TREATMENT TANK

- ■ 1. Concrete
  - ■ a. Regular, or
  - ■ b. Low Profile (as required)
- ☐ 2. Plastic
- ☐ 3. Other _____

CAPACITY 1,000 gallons

### DISPOSAL FIELD TYPE / SIZE

- ☐ 1. Stone Bed ☐ 2. Stone Trench
- ■ 3. Proprietary Device 14 UNITS ~~Sq.Ft.~~
  - ☐ a. Cluster Array ☐ c. Linear
  - ■ b. Regular Load ☐ d. H-20 Load
- ☐ 4. Other ELGEN G6F-B43 MODULES

SIZE 672 ■ 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
- ☐ e. TO BE REMOVED

### DESIGN FLOW

180 gallons per day

BASED ON:

- ■ 1. Table 5A (dwelling unit(s)
- ☐ 2. Table 5C (other facilities)

SHOW CALCULATIONS FOR OTHER FACILITIES

- ☐ 3. Section 5G (meter readings)

ATTACH WATER METER DATA

LATITUDE AND LONGITUDE at center of disposal area

Lat. 44 d 02 m 06.9 s
Lon. 70 d 26 m 32.3 s
if g.p.s., state margin of error +/- 30'

### SOIL DATA & DESIGN CLASS

PROFILE 3 / CONDITION C

at Observation Hole # 1

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

- ■ 1. Not required
- ☐ 2. May be required
- ☐ 3. Required

Specify only for engineered systems:

Dose: _____ Gallons

## SITE EVALUATOR'S STATEMENT

I Certify that on 2/2/2024 (date) I completed GEORGE evaluation of this property and state that the data reported is accurate and that the proposed system is in compliance with the State of Maine Subsurface Wastewater Disposal Rules (10-144A CMR 241).

USE ONLY COPIES STAMPED WITH SITE EVALUATOR'S SEAL IN BLUE INK FOR CONSTRUCTION AND PERMITS

BOUCHLES ★ 338

Site Evaluator Signature #338 SE #

2/3/2024

Date

GEORGE S. BOUCHLES LICENSED SITE EVALUATOR 240-5567

Site Evaluator Name Printed Telephone Number

gsb@cadmasterr.com

E-mail address

STATE OF MAINE

NOTE: Changes to or deviations from the design shall be confirmed with the Site Evaluator.



HHE-200 Rev. 9/23/2023

# SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

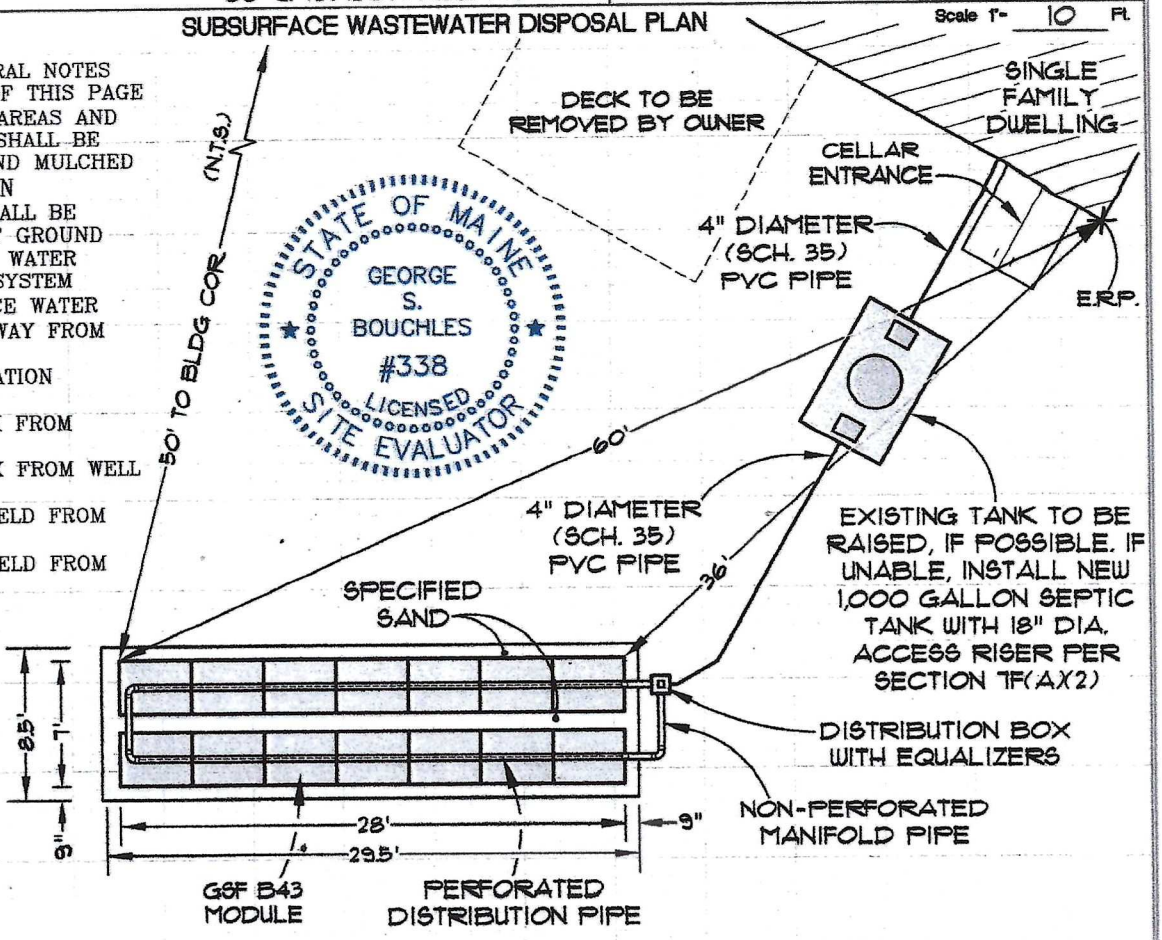
Maine Department of Human Services
Division of Health Engineering, Station 10
(207) 287-5672 FAX (207) 287-3165

| Town, City, Plantation | Street, Road, Subdivision Lot No. | Owner's Name |
|---|---|---|
| POLAND | 33 JACKSON HILL ROAD | JEFF GRIMM |

## SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale 1"= 10 Ft.

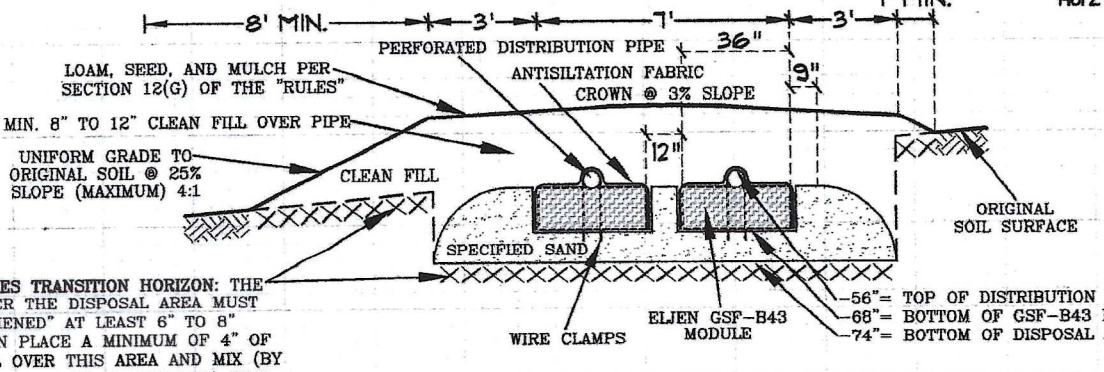
**NOTES:**
1.) REFER TO GENERAL NOTES ON THE BACKSIDE OF THIS PAGE
2.) ALL DISTURBED AREAS AND FINISHED SURFACE SHALL BE LOAMED, SEEDED, AND MULCHED TO PREVENT EROSION
3.) SEPTIC TANK SHALL BE SEALED TO PREVENT GROUND WATER OR SURFACE WATER INFILTRATION INTO SYSTEM
4.) PROVIDE SURFACE WATER DRAINAGE (FLOW) AWAY FROM SYSTEM
5.) MINIMUM SEPARATION DISTANCES:
A.) SEPTIC TANK FROM HOUSE 8 FEET
B.) SEPTIC TANK FROM WELL 50 FEET
C.) DISPOSAL FIELD FROM HOUSE 20 FEET
D.) DISPOSAL FIELD FROM WELL 100 FEET




| BACKFILL REQUIREMENTS | | CONSTRUCTION ELEVATIONS | | ELEVATION REFERENCE POINT |
|---|---|---|---|---|
| Depth of Backfill (upslope) | 6 " | Finished Grade Elevation | -44 " | Location & Description BOTTOM CORNER OF TRIM BOARD ON HOUSE |
| Depth of Backfill (downslope) | 22 " | Top of Distribution Pipe or Proprietary Device | -56 " | Reference Elevation is: 0 " or: |
| (Fill Depth May Vary Due To Uneven Ground Slope) | | Bottom of Distribution Pipe or Proprietary Device | -68 " | |
| | | Bottom of Disposal Area | -74 " | |

## DISPOSAL AREA CROSS SECTION

Vert. Scale 1"= 2.5 Ft.
Horz. Scale 1"= 5 Ft.




XXX DENOTES TRANSITION HORIZON: THE AREA UNDER THE DISPOSAL AREA MUST BE "ROUGHENED" AT LEAST 6" TO 8" DEEP, THEN PLACE A MINIMUM OF 4" OF CLEAN FILL OVER THIS AREA AND MIX (BY PLOWING, DISKING OR ROTOTILLING) INTO ORIGINAL SOIL PER SECTION 12(B) OF THE "RULES"

**NOTES:** 1.) USE ONLY CLEAN "GRAVELY COARSE SAND" BACKFILL MATERIAL, WHICH MEET THE BACKFILL STANDARDS OF SECTION 12(E) OF THE "RULES", FREE OF FOREIGN MATERIALS (ROOTS, LARGE ROCKS, ETC.) PLACED IN 8" LIFTS AND LIGHTLY COMPACTED AS PLACED.
2.) REMOVE ALL ORGANIC MATERIALS (ROOTS, STUMPS, AND LARGE ROCKS) UNDER SYSTEM AND FILL EXTENSIONS AND PREPARE TRANSITION HORIZON BY PLACING A MINIMUM OF 4" OF CLEAN FILL OVER ORIGINAL SOIL AND MIX (BY PLOWING, DISKING OR ROTOTILLING) INTO ORIGINAL SOIL PER SECTION 12(B) OF THE "RULES".
3) PLACE "ANTI-SILTATION FABRIC" OVER MODULES AND PERFORATED DISTRIBUTION PIPES TO KEEP FINES OUT OF THE ELJEN GSF MODULES.

| Site Evaluator Signature | SE # | Date |
|---|---|---|
| Gary Bouchles | 338 | 2/3/2024 |

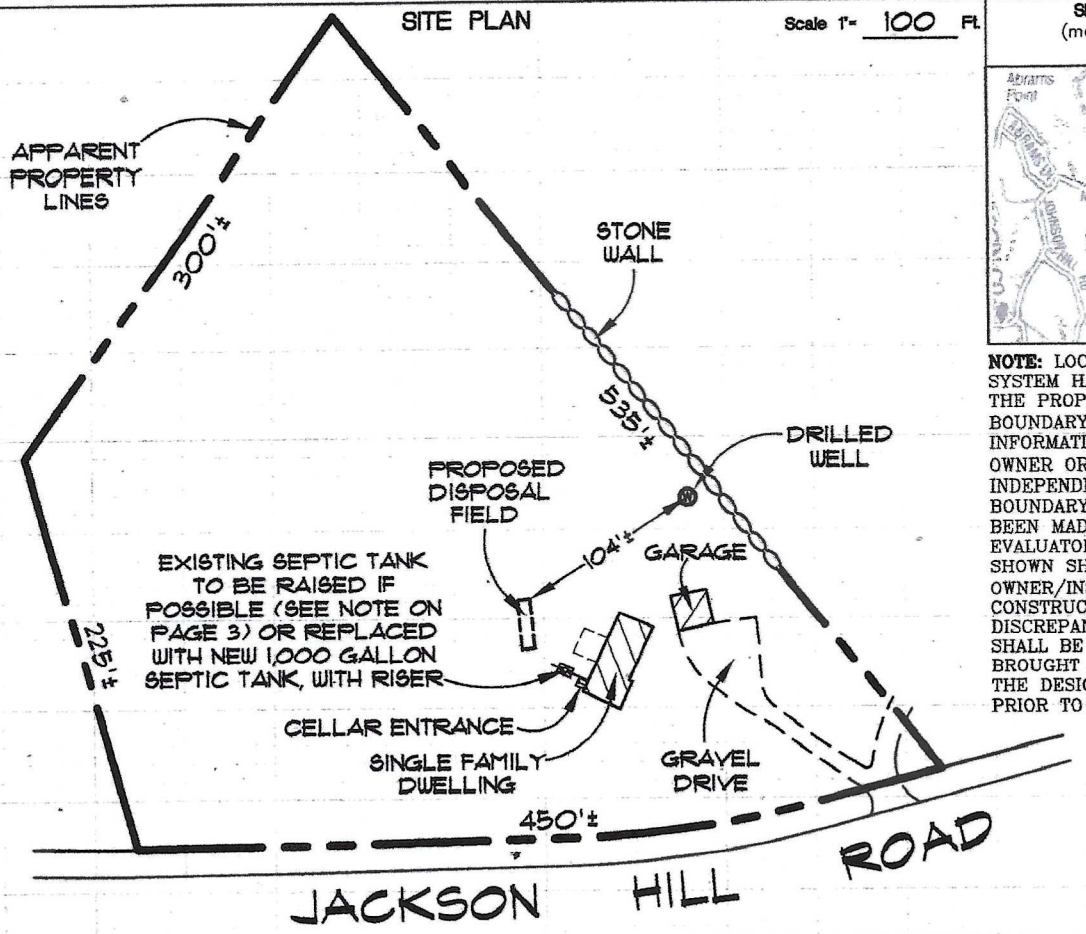
# SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Department of Human Services
Division of Health Engineering, Station 10
(207) 287-2070 FAX (207) 287-4172

| Town, City, Plantation | Street, Road, Subdivision Lot No. | Owner or Applicant Name |
|---|---|---|
| POLAND | 33 JACKSON HILL RD. | JEFF GRIMM |

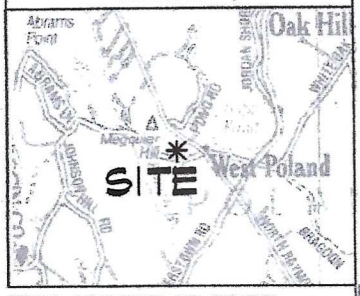
## SITE PLAN

Scale 1"= 100 Ft.




## SITE LOCATION PLAN

(map from Maine Atlas recommended)




**NOTE:** LOCATION OF SEPTIC SYSTEM HAS BEEN SITED ON THE PROPERTY BASED UPON BOUNDARY LINE/PROPERTY INFORMATION PROVIDED BY OWNER OR OWNER'S AGENT. NO INDEPENDENT VERIFICATION OF BOUNDARY LINE LOCATIONS HAS BEEN MADE BY THIS SITE EVALUATOR. PROPERTY LINES SHOWN SHALL BE VERIFIED BY OWNER/INSTALLER PRIOR TO CONSTRUCTION OF SYSTEM. ANY DISCREPANCY FROM THAT SHOWN SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE DESIGN SITE EVALUATOR PRIOR TO BEGINNING ANY WORK.

## SOIL DESCRIPTION AND CLASSIFICATION (Location of Observation holes Shown Above)

**Observation Hole No.** TB 1 ☐ Test Pit ■ Boring

1 " Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (inches)

| | Texture | Consistency | Color | Mottling |
|---|---|---|---|---|
| 0 | FINE | | BROWN | |
| 6 | SANDY | | | |
| 12 | LOAM | FRIABLE | YELLOWISH | |
| 20 | TO | | BROWN | |
| 30 | COARSE | | | |
| | LOAMY | SOMEWHAT | LIGHT | |
| 40 | SAND | FIRM | OLIVE | |
| 50 | | | BROWN | |

| Soil Classification | | Slope | Limiting Factor | |
|---|---|---|---|---|
| 3 | C | 4 | -30" | ■ Ground Water ☐ Restrictive Layer ☐ Bedrock ☐ Pit Depth |
| Profile | Condition | Percent | Depth | |

**Observation Hole No.** _____ ☐ Test Pit ☐ Boring

" Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (inches)

| | Texture | Consistency | Color | Mottling |
|---|---|---|---|---|
| 0 | | | | |
| 6 | | | | |
| 12 | | | | |
| 20 | | | | |
| 30 | | | | |
| 40 | | | | |
| 50 | | | | |

STATE OF MAINE GEORGE S. BOUCHLES #338 LICENSED SITE EVALUATOR

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

| Site Evaluator Signature | SE # | Date |
|---|---|---|
| George S Bouchles | 338 | 2/3/2024 |