Farrell, Elwin

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering
(207)289-3826

PROPERTY ADDRESS

Town Or Plantation	Augusta
Street Subdivision Lot #	Mud Mills Road

PROPERTY OWNERS NAME

Last: Farrell Jr. First: Elwin N.

Applicant Name:	Same.
Mailing Address of Owner/Applicant (If Different)	RR#6 Box 2310 Gardiner, Me. 04345

Caution: Permit Required

The Subsurface Wastewater Disposal System shall not be installed until a Permit is attached here 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.

Owner/Applicant Statement

I certify that the Information submitted is correct to the best of my knowledge and understand that any falsification is reason for the Local Plumbing Inspector to deny a Permit.

x Elwin N. Farrell Jr. 7/12/91

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.

Local Plumbing Inspector Signature — Date Approved

PERMIT INFORMATION

THIS APPLICATION IS FOR:
1. ☐ NEW SYSTEM
2. ☐ REPLACEMENT SYSTEM
3. ☒ EXPANDED SYSTEM
4. ☐ EXPERIMENTAL SYSTEM

SEASONAL CONVERSION
(to be completed by the LPI)
5. ☐ SYSTEM COMPLIES WITH RULES
6. ☐ CONNECTED TO SANITARY SEWER
7. ☐ SYSTEM INSTALLED – P# _____
8. ☐ SYSTEM DESIGN RECORDED AND ATTACHED

IF REPLACEMENT SYSTEM:
YEAR FAILING SYSTEM INSTALLED _____
THE FAILING SYSTEM IS:
1. ☐ BED 3. ☐ TRENCH
2. ☐ CHAMBER 4. ☐ OTHER: _____

THIS APPLICATION REQUIRES:
1. ☒ NO RULE VARIANCE
2. ☐ NEW SYSTEM VARIANCE
Attach New System Variance Form
3. ☐ REPLACEMENT SYSTEM VARIANCE
Attach Replacement System Variance Form
a. ☐ Requiring Local Plumbing Inspector Approval
b. ☐ Requires State and Local Plumbing Inspector Approval
4. ☐ MINIMUM LOT SIZE VARIANCE

DISPOSAL SYSTEM TO SERVE:
1. ☒ SINGLE FAMILY DWELLING
2. ☐ MODULAR OR MOBILE HOME
3. ☐ MULTIPLE FAMILY DWELLING
4. ☐ OTHER _____ SPECIFY

INSTALLATION IS:
COMPLETE SYSTEM
1. ☐ NON-ENGINEERED SYSTEM
2. ☐ PRIMITIVE SYSTEM (Includes Alternative Toilet)
3. ☐ ENGINEERED (+2000 gpd)
INDIVIDUALLY INSTALLED COMPONENTS:
4. ☐ TREATMENT TANK (ONLY)
5. ☐ HOLDING TANK _____ GAL
6. ☐ ALTERNATIVE TOILET (ONLY)
7. ☒ NON-ENGINEERED DISPOSAL AREA (ONLY)
8. ☐ ENGINEERED DISPOSAL AREA (ONLY)
9. ☐ SEPARATED LAUNDRY SYSTEM

SIZE OF PROPERTY	ZONING	TYPE OF WATER SUPPLY
1.3± Acres	Rural	Drilled

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

TREATMENT TANK
1. ☐ SEPTIC: ☐ Regular ☐ Low Profile
2. ☐ AEROBIC Existing
SIZE: 1000 GALS.

WATER CONSERVATION
1. ☐ NONE Recommend
2. ☒ LOW VOLUME TOILET
3. ☐ SEPARATED LAUNDRY SYSTEM
4. ☐ ALTERNATIVE TOILET
SPECIFY: _____

PUMPING
1. ☐ NOT REQUIRED
2. ☒ MAY BE REQUIRED (DEPENDING ON TREATMENT TANK LOCATION AND ELEVATION)
3. ☐ REQUIRED
DOSE: 45 GALS.

CRITERIA USED FOR DESIGN FLOW (BEDROOMS, SEATING, EMPLOYEES, WATER RECORDS, ETC.)
4 bedroom Dwelling – Min. Design Flow

SOIL CONDITIONS USED FOR DESIGN PURPOSES

PROFILE	CONDITION
3	C

DEPTH TO LIMITING FACTOR: 21

SIZE RATINGS USED FOR DESIGN PURPOSES
1. ☐ SMALL
2. ☐ MEDIUM
3. ☒ MEDIUM-LARGE
4. ☐ LARGE
5. ☐ EXTRA LARGE

DISPOSAL AREA TYPE/SIZE
1. ☒ BED 1200 Sq. Ft.
2. ☐ CHAMBER _____ Sq. Ft.
☐ REGULAR ☐ H-20
3. ☐ TRENCH _____ Linear Ft.
4. ☐ OTHER: _____

DESIGN FLOW: 360 (GALLONS/DAY)

SITE EVALUATOR STATEMENT

On 7/12/91 (date) I conducted a site evaluation for this project and certify that the data reported is accurate. The system I propose is in accordance with the Subsurface Wastewater Disposal Rules.

David P. Roque — Site Evaluator Signature
154 — SE#
7/12/91 — Date

(Local Plumbing Inspector's Signature if permit is for Seasonal Conversion.)

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering

Town, City, Plantation: AUGUSTA

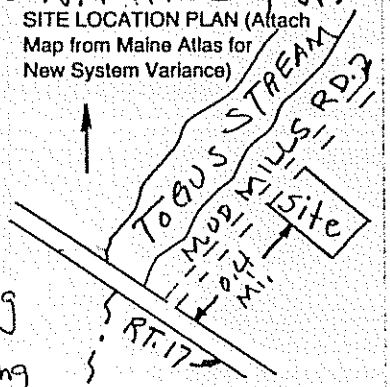
Street, Road, Subdivision: MUD MILLS ROAD

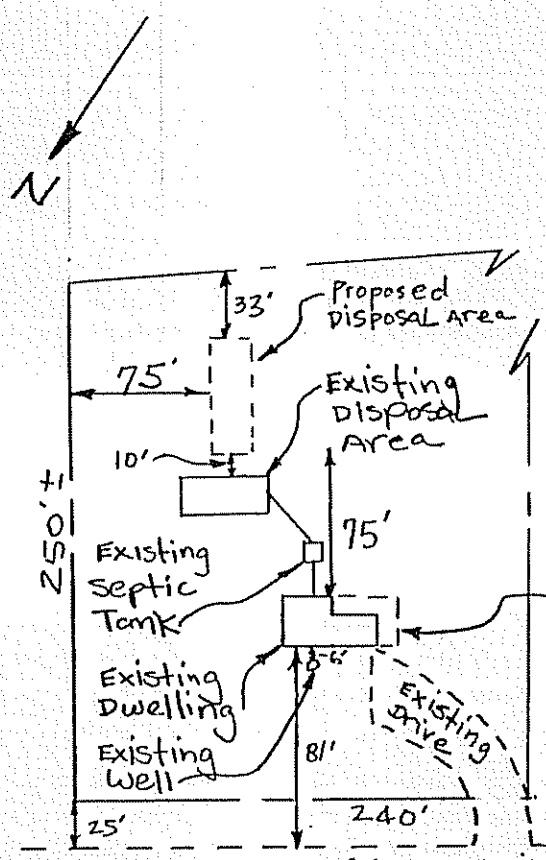
Owners Name: ELWIN N. Farrell, Jr.

SITE PLAN

Scale 1" = 100 Ft.

SITE LOCATION PLAN (Attach Map from Maine Atlas for New System Variance)





Note: After installing New disposal Area, check baffles in existing septic Tank before connecting to proposed disposal Area. Repair broken baffles or replace tank, if necessary.

Proposed expansion

NOTE: If pump station is needed, bury force Main (2" Min.) below frost level or insulate to prevent freezing. Pump Station AND septic Tank are to be water tight.

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

Observation Hole TP1 AND TP4 ☒ Test Pit ☐ Boring

4" DUFF " Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURF. (Inches)	Texture	Consistency	Color	Mottling
0–6	gravelly		yellow	
6–10	Sandy	Friable	Brown	NONE
10–15	Loam			
15–20			Light olive Brown	EVIDENT
20–30		ROCKS		
30–50				

Soil Profile	Classification Condition	Slope	Limiting Factor
3	B/C	5-7 %	21 Rocks ☐ Ground Water ☐ Restrictive Layer ☐ Bedrock

Observation Hole TP2 AND TP3 ☒ Test Pit ☐ Boring

2 " Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (Inches)	Texture	Consistency	Color	Mottling
0–6	gravelly		Dark	
6–10	Sandy	Friable	yellow Brown	NONE EVIDENT
10–15	Loam			
15–20			Light yellow Brown	
20–30		ROCKS		
30–50				

Soil Profile	Classification Condition	Slope	Limiting Factor
3	B/C	5-7 %	24 Rocks ☐ Ground Water ☐ Restrictive Layer ☐ Bedrock

David P. Rocque
Site Evaluator Signature

154
SE#

7/12/91
Date

HHE-200 Rev. 1/84

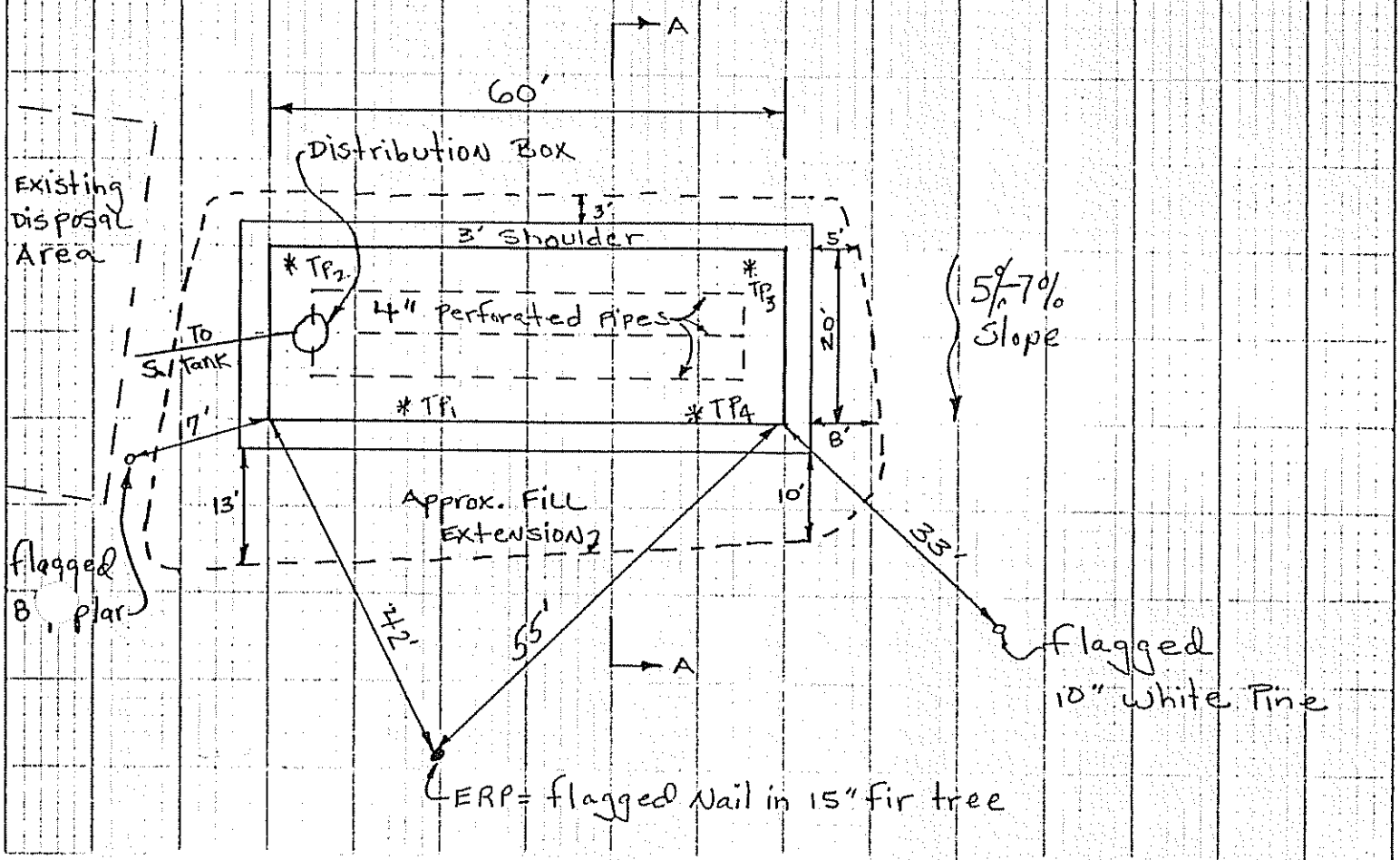
SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering

Town, City, Plantation: AUGUSTA
Street, Road, Subdivision: MUD MILLS ROAD
Owners Name: ELWIN N. Farrell, Jr.

SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale 1" = 20' Ft.



FILL REQUIREMENTS

Depth of Fill (Upslope) 12"-14"
Depth of Fill (Downslope) 23"-31"

CONSTRUCTION ELEVATIONS

Reference Elevation is 0"
Bottom of Disposal Area -50"
Top of Distribution Lines or Chambers -38"

ELEVATION REFERENCE POINT LOCATION & DESCRIPTION

Flagged nail in 15" Fir tree.

DISPOSAL AREA CROSS SECTION

Scale:
Vertical: 1 inch = Ft.
Horizontal: 1 inch = Ft.

See Next Sheet

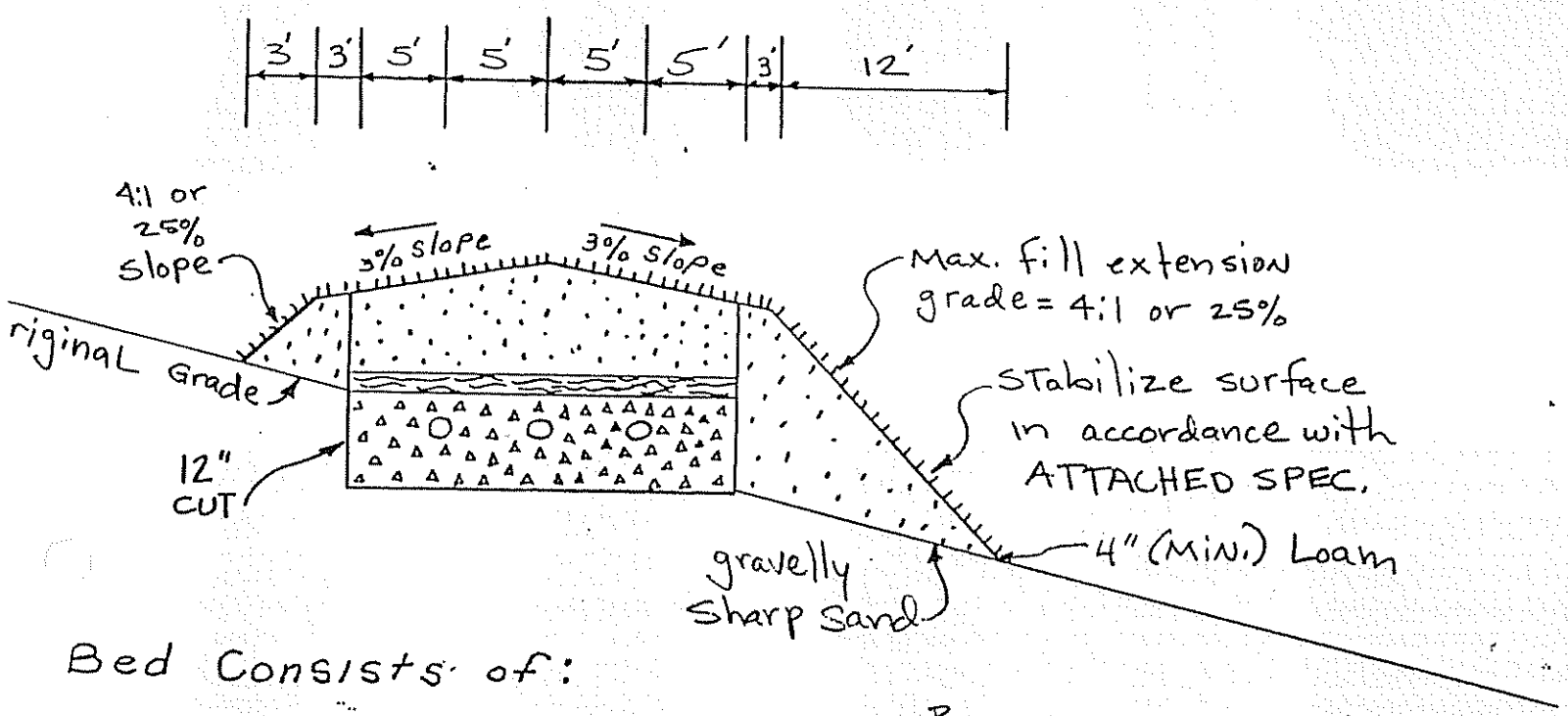
David P. Prague
Site Evaluator Signature

154
SE#

7/12/91
Date

Subsurface Absorption Area Cross-section

(Not to Scale)



Bed Consists of:

13" of ¾"-3" stone; 8" under pipe and 1" over pipe.

2" of compressed hay over stone or approved alternative.

8" of Loamy Sand fill over Hay. gravelly Sand to be used for fill extensions.

Top of bed to be stabilized with loam if necessary, and grass seed.

Remove organic soil horizon, scarify soil surface (ROTO TILL), then bring to grade with gravelly Sharp Sand Fill. Remove organic Soil Horizon and Scarify in both the disposal and fill extension Area.

Note:
Remove organic matter and scarify soil before installing bed and fill.

Pipe To be 4" dia. and perforated.

Care should be taken to AVOID compacting the Soil Under the Leach field and FILL Area. This would eliminate the Natural Soil Pores and Severely Limit the soil's Ability to handle the waste water.