

# SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Dept. Health & Human Services  
Div of Environmental Health, 11 SHS  
(207) 287-5672 Fax: (207) 287-4172

## PROPERTY LOCATION

City, Town or Plantation: **Augusta**  
Street or Road: **Eastern Ave.**  
Subdivision, Lot #: **640**

## OWNER/APPLICANT INFORMATION

Name (last, first, MI): **John Fortin**  
Mailing Address: **460 Eastern Ave., Augusta, Maine**  
Daytime Tel. #:

## >> CAUTION: LPI APPROVAL REQUIRED <<

**AUGUSTA PERMIT #7053**  
Date Permit Issued: **5/12/15**  
*Mary R. Fuller*  
TOWN COPY  
\$ **250.00** fee  
**15.00**  
LPI # **850**

## 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.  
*Sheldon Skiff* **5/12/15**  
Signature of Owner or Applicant Date

I have inspected the installation authorized above and found it to be in compliance with the Subsurface Wastewater Disposal Rules Application.  
*[Signature]*  
Local Plumbing Inspector Signature (1st) date approved  
*[Signature]*  
(2nd) date approved

## PERMIT INFORMATION

**TYPE OF APPLICATION**  
 1. First Time System  
 2. Replacement System  
Type replaced: **not known**  
Year installed: **not known**  
 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 (2000 gpd or more)  
 9. Engineered Treatment Tank (only)  
 10. Engineered Disposal Field (only)  
 11. Pre-treatment, specify: \_\_\_\_\_  
 12. Miscellaneous Components

**SIZE OF PROPERTY**  
 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: **1000** 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: **178** 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

**LATITUDE AND LONGITUDE**  
at center of disposal area  
Lat. N44 d 17 m 53.052 S  
Lon. W069 d 43 m 53.868 S  
if g.p.s, state margin of error: ±.25 feet

## SOIL DATA & DESIGN CLASS

PROFILE CONDITION  
**3** / **D**  
at Observation Hole # **2**  
Depth **10** "  
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

Not Required  
 May Be Required  
 Required  
Specify only for engineered systems:  
DOSE: \_\_\_\_\_ gallons

## SITE EVALUATOR STATEMENT

I certify that on **3/24/14** (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).  
*Robert S. Farrell* #9 4/13/14  
Site Evaluator Signature SE # Date  
**Robert S. Farrell** 622-3363 rfarrell@wizbe.net  
Site Evaluator Name Printed Telephone Number E-mail Address

**SURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION**

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

City, Plantation

Street, Road, Subdivision

Owner's Name

Augusta

460 EASTERN AVE

John Fortin

SITE PLAN

Scale 1" = 60' ± ft. or as shown

SITE LOCATION PLAN  
 (map from Maine Atlas recommended)



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

Observation Hole 1  Test Pit  Boring  
2 " Depth of Organic Horizon Above Mineral Soil

Depth Below Mineral Soil Surface (inches)	Texture	Consistency	Color	Mottling
0	LOAMY SAND	LOOSE	DARK BROWN	
10	LOAMY SAND	FRIABLE	GREENISH grey	MOTTLING 10"
20		BECOMES FIRMER w/ depth		
30	BEDROCK			
40				
50				

Observation Hole 2  Test Pit  Boring  
2 " Depth of Organic Horizon Above Mineral Soil

Depth Below Mineral Soil Surface (inches)	Texture	Consistency	Color	Mottling
0	LOAMY SAND	LOOSE	DARK BROWN	
10	LOAMY SAND	FRIABLE	GREENISH grey	MOTTLING 10"
20		BECOMES FIRMER w/ depth		
30	BEDROCK			
40				
50				

Soil Classification: 3 0  
 Profile Condition: 10 %  
 Limiting Factor: 10 "  
 Ground Water  
 Restrictive Layer  
 Bedrock  
 Pit Depth

Soil Classification: 3 0  
 Profile Condition: 10 %  
 Limiting Factor: 10 "  
 Ground Water  
 Restrictive Layer  
 Bedrock  
 Pit Depth

Robert Farrell

009

4/2/14

Site Evaluator Signature

SE #

Date

**SURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION**

Department of Health & Human Services  
 Division of Environmental Health  
 (207) 287-5672 Fax: (207) 287-3165

Town, City, Plantation

Street, Road, Subdivision

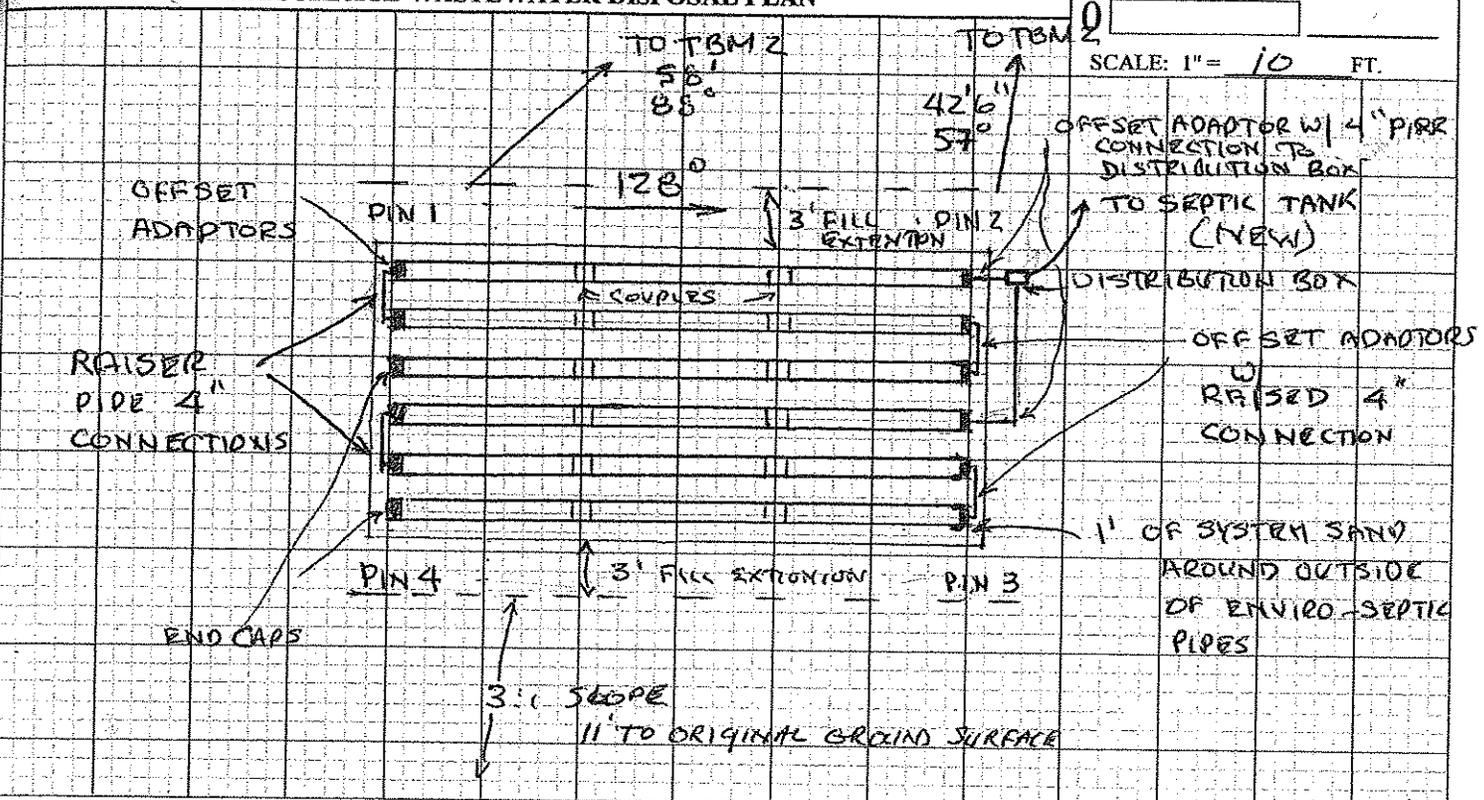
Owner's Name

AUGUSTA

460 EASTERN AVE

JOHN FORTINI

**SUBSURFACE WASTEWATER DISPOSAL PLAN**



**FILL REQUIREMENTS**

**CONSTRUCTION ELEVATIONS**

**ELEVATION REFERENCE POINT**

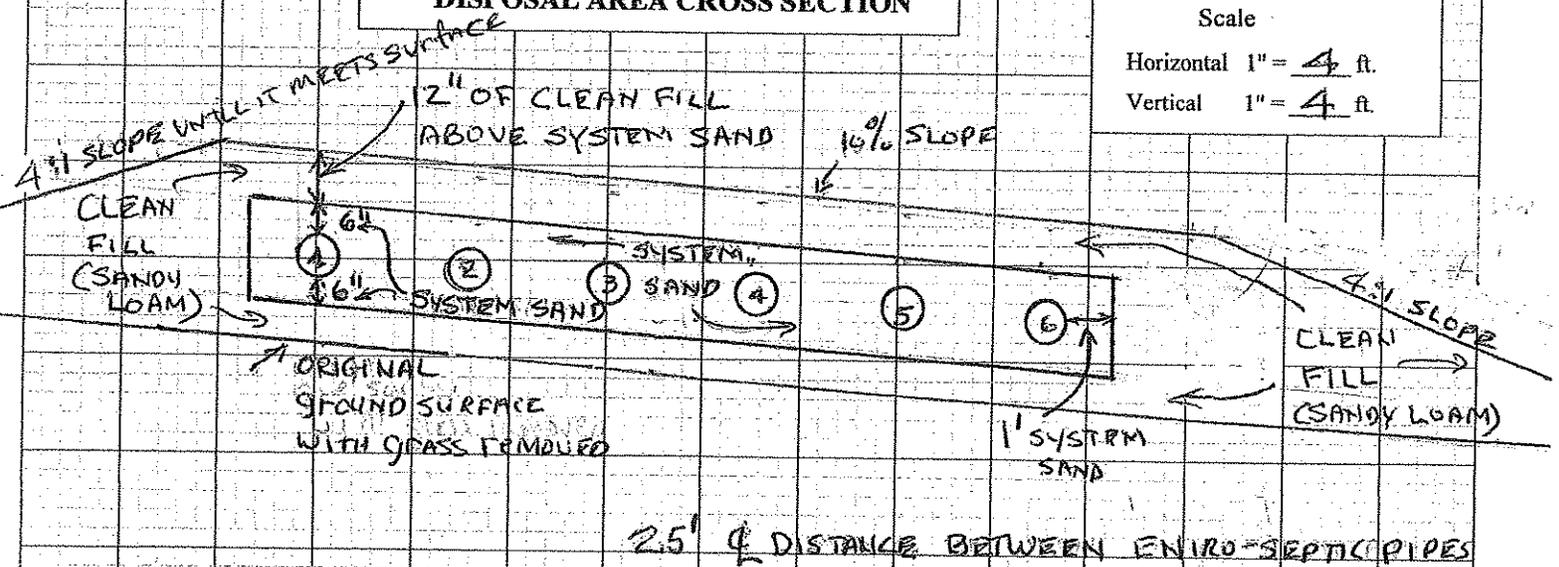
Depth of Fill (Upslope)	4'	Finished Grade Elevation	SEE	Location & Description:	TBM-2
Depth of Fill (Downslope)	4' ±	Top of Distribution Pipe or Proprietary Device	ATTACHED SHEET		SW CORNER STONE OF HOUSE
		Bottom of Disposal Area		Reference Elevation:	0"

**DISPOSAL AREA CROSS SECTION**

Scale

Horizontal 1" = 4 ft.

Vertical 1" = 4 ft.



*Robert Havel*

009

4/11/14

Site Evaluator Signature

SE #

Date

# SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

460 EASTERN AVE., AUGUSTA

John Fortin

## NOTES

- 1) The system has 6 rows of Presby Enviro-Septic pipes with 3 pipes in each row. Each Enviro-Septic pipe will be connected with a coupling to the pipe before and after it in the row (2 couples per row). Rows 1, 2, and 3 and rows 4, 5, and 6 are to be connected in series. The ends of rows 1, and 4 nearest the distribution box will have offset adaptors installed and will be connected to the distribution box with a 4" PVC pipe. The ends furthers from connection box of rows 1, 2, 4, and 5 will have raised connectors. The ends nears the distribution box for lines 2, 3, 5, and 6 will have raised connectors. The ends of rows 3 and 6 furthers from the distribution box will have end caps.
- 2) Remove the vegetation and any organic soil down to mineral soil. Scarify the original soil under the Enviro-Septic system and fill extension areas. Maintain the existing characteristics of the underlying soil and prevent smearing and compaction of the top of the soil.
- 3) Installation of the Presby Enviro-Septic system should be done by an installer certified as qualified to install the Presby Enviro-Septic system and will follow the guidance provided by Presby Environmental, INC. (Enviro-Septic and Sample-Septic Leaching Systems Design and Installation Manual, 2003) unless specifically noted in this document (HHE-200).
- 4) The bottom of the Enviro-Septic pipes are to be level with a maximum grade tolerance of 1" in 100 feet. The elevations of all Enviro-Septic pipes are as shown in attached the Table.
- 5) The fill between the Enviro-Septic pipes, six inches above and below the pipes, and in a one foot strip around the edge of the pipes is to be compacted by hand. This sand shall meet the specifications for ASTM Standard C-33. This fill is referred to as **system sand** on the diagrams of the system.
- 6) Provide for surface drainage away from the Enviro-Septic system area.
- 7) The fill around and above the **system sand** containing the Enviro-Septic pipes shall be clean sandy fill with no stones larger than 3" in diameter. There shall be at least 12 inches of clean sandy fill above the **system sand**.
- 8) The final grade of the completed system will extend at least 3 feet beyond the edge of the **system sand**.
- 9) The 25% (4:1) sloped fill extension will extend until intersects the original ground surface.
- 10) The finished grade shall be seeded and mulched to prevent erosion.
- 11) A distribution box will be necessary to reduce the velocity effluent from the septic tank before entering the leachfield. The distribution box will be protected from freezing. The outlets from the distribution box will have flow equalizers installed.

  
Site Evaluators Signature

009  
SE#

4/13/14  
Date

page 4 of 5

Elevations of the Enviro-Septic System (inchs)

	Pipe 1	Pipe 2	Pipe 3	Pipe 4	Pipe 5	Pipe 6
Top Clean fill	-40.504	-43.204	-45.904	-48.604	-51.304	-54.004
Top of System Sand	-52.504	-55.204	-57.904	-60.604	-63.304	-66.004
Top of Enviro-Septic pipe	-58.504	-61.204	-63.904	-66.604	-69.304	-72.004
Bottom of Enviro-Septic pipe	-70.504	-73.204	-75.904	-78.604	-81.304	-84.004
Bottom of System Sand	-76.504	-79.204	-81.904	-84.604	-87.304	-90.004
Ground elevation	-84.504					

The elevations are relative to TBM 2 which has an assigned elevation of 0.0". TBM 2 is located in the SW corner of house on a foundation stone.

Robert A. Ferrell  
Site Evaluators Signature

009  
SE#

9/12/14  
Date