

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Dept. Health & HC
Division of Health Enginee.
(207) 287-5672 Fax: (207) 287-5673
10/5/11
12/2/2

PROPERTY LOCATION

City, Town, or Plantation: AUGUSTA

Street or Road: DIVIDED LANE

Subdivision, Lot #:

AUGUSTA, PERMIT # 6259 APPLICANTS COPY

Date Permit Issued: 12/4/08

Local Plumbing Inspector Signature: [Signature]

L.P.I. # 10091

Fee Charged

OWNER/APPLICANT INFORMATION

Name (last, first, MI): STOVER, SCOTT

Owner Applicant

Mailing Address of Owner/Applicant: PO BOX 493 GARDINER ME 04345

Daytime Tel. #: 446-8850

AUGUSTA, PERMIT # 6558 TOWN COPY

Date Permit Issued: 1/5/11

Local Plumbing Inspector Signature: [Signature]

L.P.I. # 2501

Double Fee Charged

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: INSPECTION REQUIRED

I have inspected the installation authorized above and found it to be in compliance with the Subsurface Wastewater Disposal Rules, Regulations and Code.

Local Plumbing Inspector Signature: [Signature] Date: 2/6/11

PERMIT INFORMATION

TYPE OF APPLICATION

1. First Time System

2. Replacement System

Type replaced: _____

Year installed: _____

3. Expanded System

a. Minor Expansion

b. Major 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

1 AC ± ACRES

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

TYPE OF WATER SUPPLY

1. Dried 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: 300 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 120 g.p.d.

180 gallons per day

BASED ON:

1. Table 501.1 (dwelling units)

2. Table 501.2 (other facilities)

SHOW CALCULATIONS for other facilities

4 ROWS of 30 GPD/ROW or 3' on center ENVIRO-SEPTIC

2' BETWEEN ROWS

3. Section 503.0 (meter readings)

ATTACH WATER METER DATA

SOIL DATA & DESIGN CLASS

PROFILE: 2 CONDITION: C DESIGN: 1

at Observation Hole # PH-1

Depth: 18

of Most Limiting Soil Factor

DISPOSAL FIELD SIZING

1. Small—2.0 sq. ft. / gpd

2. Medium—2.6 sq. ft. / gpd

3. Medium—Large 3.3 sq. ft. / gpd

4. Large—4.1 sq. ft. / gpd

5. 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 46.8

Lon. 69 d 39 m 26.5

if g.p.s. state margin of error: 17'

SITE EVALUATOR STATEMENT

I certify that on 11-1-08 (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 (10-144 CMR 241).

David L Studer 275 11-6-08

SE # Date

DAVID L STUDER, LSE 275

93 SPRAGUE ROAD

WASHINGTON ME 04374

207-845-2352 irenic@midcoast.com

Telephone Number: 845-2352 E-mail Address: irenic@midcoast.com

Noted: 8-15-09

In should be confirmed with the Site Evaluator.

OK

12-15-10

[Signature]

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

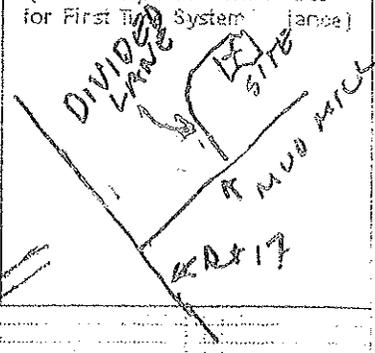
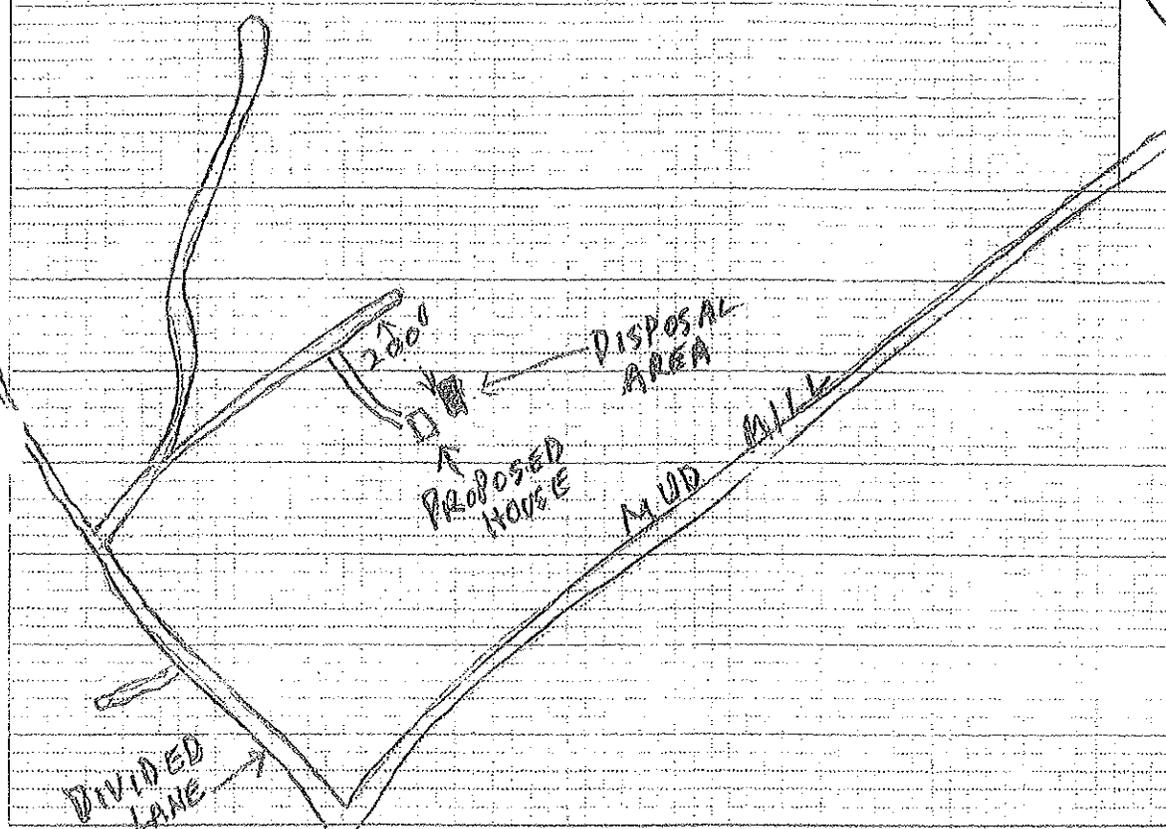
Maine Department of Human Services
Division of Health Engineering, Station 10
(207) 287-5672 Fax: (207) 287-3165

Town, City, Plantation: **AUGUSTA** Street, Road, Subdivision: **DIVIDED LANE** Owner or Applicant Name: **SCOTT STOVER**

SITE PLAN

Scale: 1" = 400' ft.

SITE LOCATION MAP
(Attach map from Maine Atlas for First Town System (if applicable))



SOIL PROFILE DESCRIPTION AND CLASSIFICATION

(Location of Observation Holes Shown Above)

Observation Hole # 1 Test Pit Boring

Depth below mineral soil surface (inches)	Depth of organic horizon above mineral soil			
	Texture	Consistency	Color	Mottling
0	LOAM		DK BR	
5	AY	FRAGILE		
10	STONY GRAVELL		DK YELLOW	
15	LOAMY SAND			
24			OLIVE	COMMON DISPERSE
30				FREE WATER
36	LIMIT OF INVESTIGATION			
42				
48				

Soil Profile: <u>2</u>	Classification: <u>C</u>	Depth: <u>5</u>	Smiling Factor: <u>18</u>	<input checked="" type="checkbox"/> Groundwater
Condition: <u></u>	Percent: <u></u>	Soil: <u></u>	Soil: <u></u>	<input type="checkbox"/> Peat/ice Layer
				<input type="checkbox"/> Bedrock

Observation Hole # 2 Test Pit Boring

Depth below mineral soil surface (inches)	Depth of organic horizon above mineral soil			
	Texture	Consistency	Color	Mottling
0				
5				
10				
15				
20				
25				
30				
35				
40				
45				
50				

Soil Profile: <u></u>	Classification: <u></u>	Depth: <u></u>	Smiling Factor: <u></u>	<input type="checkbox"/> Groundwater
Condition: <u></u>	Percent: <u></u>	Soil: <u></u>	Soil: <u></u>	<input type="checkbox"/> Peat/ice Layer
				<input type="checkbox"/> Bedrock

D. Studer
Site Evaluator Signature

275
SE #

11-6-08
Date

ST 106 OK
12-15-10
D. Studer

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Department of Human Services
 Division of Health Engineering, Station 19
 (207) 287-5672 Fax: (207) 287-3165

Town, City, Plantation

AUGUSTA

Street, Road, Subdivision

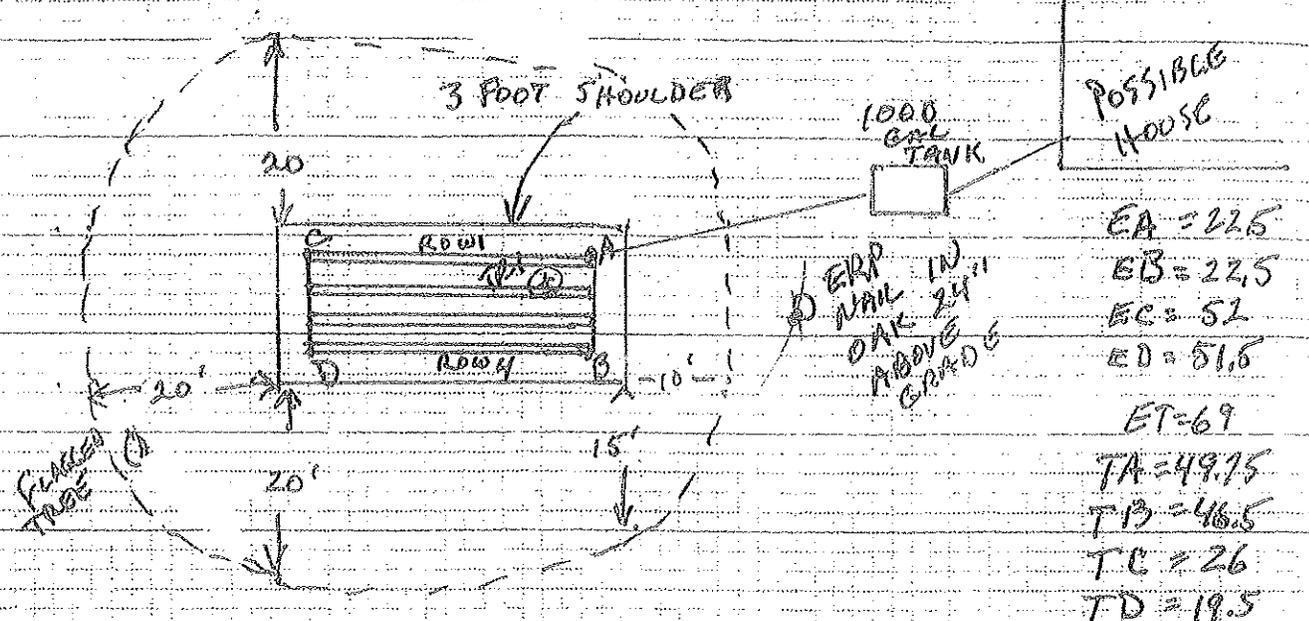
DIVIDED LANE

Owner or Applicant Name

SCOTT STOVER

SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale: 1" = 20'



4 Rows of 30' LONG GEOFLOW OR ENVIROSEPTIC
 3' ON CENTER 2' BETWEEN ROWS
 10' X 30' DISPOSAL AREA MAY BE
 FED ON ANY CORNER

ORIGINAL ELEVATIONS	DISTURBED ELEVATIONS
A = -37"	A = -57"
B = -31"	B = -57"
C = -43"	C = -69"
D = -43"	D = -64"
TA = -38"	

BACKFILL REQUIREMENTS

Depth of Backfill (upslope) 38-44"
 Depth of Backfill (downslope) 51-56"
 DEPTHS AT CROSS SECTION (shown below)

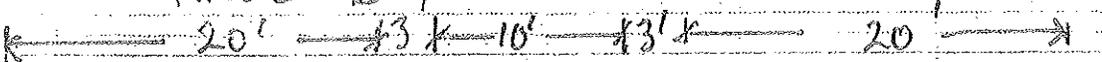
CONSTRUCTION ELEVATIONS

Finished Grade Elevation 12" OVER PIPE -13"
 Top of Distribution Pipe or Proprietary Device -25"
 Bottom of Disposal Field -37"

ELEVATION REFERENCE POINT

Location & Description: NAIL IN OAK
 24" ABOVE GRADE
 Reference Elevation is: 0.0' or:

DISPOSAL FIELD CROSS SECTION



Scales:
 Vertical: 1" = 5'
 Horizontal: 1" = 10'

TRANSITION ZONE
 MIX 6" OF SAND
 INTO ORIGINAL
 SOIL

FILL IS
 MED. COARSE
 SHARP SAND
 3" MINUS; LESS THAN
 5% FINES

STILL OK
 12-15-10
 D. Stover

D. Stover

275

11-6-08

SEPTIC SYSTEM USER NOTES

1. This septic system has been designed to meet requirements of the State of Maine Subsurface Waste disposal rules, 10 144A CMR 241. Because site Evaluators are not notified when local ordinances are enacted which exceed state requirements, it is the owner's responsibility to ensure that this system design (HHE-200 form) is in compliance with local ordinances. Contacting your local LPI can do this and asking about local ordinances which differ from those required in the Rules.
2. It is the owner's responsibility to obtain any local, state or federal permit(s) that may be required for the installation of this septic system (work within or adjacent to a wetland may require a state and/or federal permit). Contact the Maine Dept. of Environmental Protection at 289-2111 or the Army Corps of Engineers at 623-8367, if you have any questions.
3. The use of a garbage grinder on a septic system is not recommended and is not part of this design. If a garbage grinder is to be used, additional tank capacity, filters such as the Zabel A-100, and more frequent tank pumping is required.
4. It is recommended that the owner install low volume toilets (1 1/2 gallon or less per flush) and other flow reducing fixtures to minimize water consumption. This should extend the life of the system, all other things being equal.
5. It is the owners responsibility to limit water consumption and wastewater so that the septic system design capacity is not exceeded on any day. Activities which generate large amounts of wastewater should be spread out over several days rather than doing a number of them on a particular day. Excessive use of a system on any day (typically weekends) can cause the system to fail, even if the flow averaged out over the month or week is below design volume.
6. Do not connect roof or floor drains to a septic system. The system is not designed to handle this water and may cause premature failure. Do not dispose of backwash from water softeners or water treatment devices for the same reason.
7. Do not dispose of any hazardous or toxic substances in a septic system, such as paint, paint thinners & solvents, varnishes, photographic solutions, pesticides, insecticides, organic solvents or degreasers, and drain cleaners or openers. Instead of a commercial degreaser or drain opener, use one of the following:
 - a. A plunger or mechanical snake, or
 - b. Pour 1 handful of baking soda and 1/2 cup of white vinegar down the drainpipe and cover for one minute. Repeat as necessary, or
 - c. Pour 1/2-cup salt and 1/2 cup baking soda down the drain followed by 6 cups of boiling water. Let sit several hours or overnight. Then flush with water.
8. Do not dispose of any inert or non-biodegradable substances into your septic system such as disposable diapers, cat box litter, coffee grounds, cigarette filters, sanitary napkins, facial tissues and wet strength paper towels.
9. Do not dispose of large quantities of fats or grease into your septic system unless an external grease trap has been installed for that purpose. Generally, an internal grease trap is inadequate to handle excessive amounts of grease or fat.
10. Do not add any septic tank cleaner or additive to your septic system to improve its function or prolong its useful operating life. This includes yeast, horse manure, or commercial products. No effective product or material is recognized by State authorities and some products may cause your system to fail.
11. Maintain your septic system by regularly having the septic tank pumped. Some biological breakdown of solid and grease occurs in the tank but the rate of accumulation virtually always exceeds the rate of breakdown. If your tank is not pumped often enough, solids and greases may build up to the point where they enter the disposal area. Once this material reaches the disposal area it will clog the soil surface and likely cause premature failure.
12. I recommend having your septic tank pumped or inspected after one year of use. The pumper can advise you how often you need to have the tank pumped based on what he finds at this inspection. Typically a tank is pumped every 2 to 5 years. Adjust the pumping frequency with changes in how you use the system--the more you use the system, the more frequently the tank should be pumped.
13. Divert all surface water away from the septic tank and disposal area. Roof area that contributes runoff water to septic system site should have gutters installed to divert water to another location.
14. PLEASE- If you have any questions about your system or how to use it call and ask me for advice at 207-845-2352. You can also call the Division of Health Engineering at 207-289-5672.
DAVID STUDER, LSE #275, 93 SPRAGUE RD., WASHINGTON, ME, 04574

STILL
12-15-10
D Studer

Additional information about your system and HHE-200 Form

1. You should have your septic tank pumped out every 3 years to prolong the life of the system.
2. Water softeners should drain to a separate graywater disposal system.
3. Your septic system must be installed on correct elevations and all joints, etc. must be water tight. This applies to the pump tanks if your system requires pumping. Distribution boxes shall have "Equalizers" installed on the outlets.
4. Low volume toilets and water conservation measures are recommended, even if your design does not require them.
5. All construction shall conform to State of Maine Subsurface Waste Disposal Rules, Chapter 241.
6. Fill shall be loamy medium sharp sand with sufficient fines for compaction. See Rules for backfill specifications. Fill shall be placed in 8-10 lifts. The top 4 inches of cover shall be loam or sandy loam, to assure a good catch of grass.
7. All wells shall be at least 100 feet from leaching field unless a variance is granted or the well is cased to appropriate depth. See rules.
8. Property lines are as provided by the owner. No accuracy is implied. Actual lines must be confirmed by a survey.
9. Installation of tanks shall have a Zabel Model A-1800 or equal on outlet, unless pumping. Install a low profile tank when it is determined to be necessary by field conditions.
10. Force mains, pump stations, and/or gravity piping subject to freezing shall be adequately insulated.
11. Systems shall be provided with adequate erosion control until vegetated cover is established.
12. Remove all vegetation and organic material under the leach field and extensions--
Caution--Avoid compaction of original soil under the leaching field and extensions during construction.
13. The design flow should not be exceeded in any day. Do not install garbage grinders or disposals with this design.
14. The LPI shall inform the owner and designer of any local ordinances or requirements exceeding the rules, prior to issuing the permit, so that the application may be properly amended.
15. GeoFlow pipe and Envio-Septic pipe are considered equal in the rules. and should be installed according to latest mfg. instructions.

57mc OK
12-15-10
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