

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Dept. Health & Human Services
Div of Environmental Health, 11 SHS
(207) 287-5672 Fax: (207) 287-3165

PROPERTY LOCATION

City, Town, or Plantation: AUGUSTA

Street or Road: BUCKET DOE

Subdivision, Lot #:

>> **CAUTION: PERMIT REQUIRED - ATTACH IN SPACE BELOW** <<

OWNER/APPLICANT INFORMATION

Name (last, first, MI): RODERICK, PAUL Owner

Mailing Address of Owner/Applicant: 35 LYMAN RD

Owner/Applicant: AUGUSTA ME 04730

Daytime Tel. #:

LPI

AUGUSTA Date Permit Issued: 7/22/11

PERMIT # 6580 TOWN COPY 15.00

\$ 150.00 Double Fee FEE Charged

Local Plumbing Inspector Signature: Paul R. Fulk L.P.I. # 1857

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: Paul Roderick Date: 7/22/11

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 Signature: _____ (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

SIZE OF PROPERTY

1.52 AC 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: 3

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

PROPOSED 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

b. regular load

c. Linear

d. H-20 load

4. Other: _____

SIZE: 405 (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

SOIL DATA & DESIGN CLASS

PROFILE CONDITION: LIC

at Observation Hole # TP-1

Depth 16"

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 DEPENDS ON TANK ELEVATION

2. May Be Required

3. Required

Specify only for engineered systems:

DOSE: _____ gallons

3. Section 4G (meter readings)

ATTACH WATER METER DATA

LATITUDE AND LONGITUDE

at center of disposal

Lat. 44 d 20 m 29.2 N

Lon. 69 d 38 m 46 W

if g.p.s. state margin of error: 20'

SITE EVALUATOR STATEMENT

I certify that on 5-26-11 (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).

Signature: David Studer SE # 275 Date: 6-12-11

David Studer, LSE
93 Sprague Rd.
Washington, ME 04574

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

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Town, City, Plantation

Street, Road, Subdivision

Owner's Name

AUGUSTA

BUCK + DOE

PAUL RODERICK

SITE PLAN

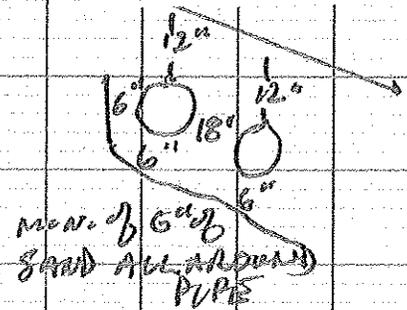
Scale 1" = _____ ft. or as shown

SITE LOCATION PLAN
 (map from Maine Atlas
 recommended)

SEE ATTACHED

SEE ATTACHED

DETAIL NOT TO SCALE



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

Observation Hole TP-1 Test Pit Boring
12-0 " Depth of Organic Horizon Above Mineral Soil

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

Depth Below Mineral Soil Surface (inches)	Texture	Consistency	Color	Mottling
0	LOAM		DR. B	
10	GRAVELLY SANDY LOAM TO LOAMY SAND	PLASTIC	ORANGE BROWN	
20			OLIVE	COMMON DISPERSED
30	LIMIT OF INVESTIGATION			
40				
50				

Depth Below Mineral Soil Surface (inches)	Texture	Consistency	Color	Mottling
0				
10				
20				
30				
40				
50				

Soil Classification <u>2 C</u> Profile Condition	Slope <u>14</u> %	Limiting Factor <u>10</u> "	<input checked="" type="checkbox"/> Ground Water <input type="checkbox"/> Restrictive Layer <input type="checkbox"/> Bedrock <input type="checkbox"/> Pit Depth
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Soil Classification _____ Profile Condition	Slope _____%	Limiting Factor _____"	<input type="checkbox"/> Ground Water <input type="checkbox"/> Restrictive Layer <input type="checkbox"/> Bedrock <input type="checkbox"/> Pit Depth
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[Signature]

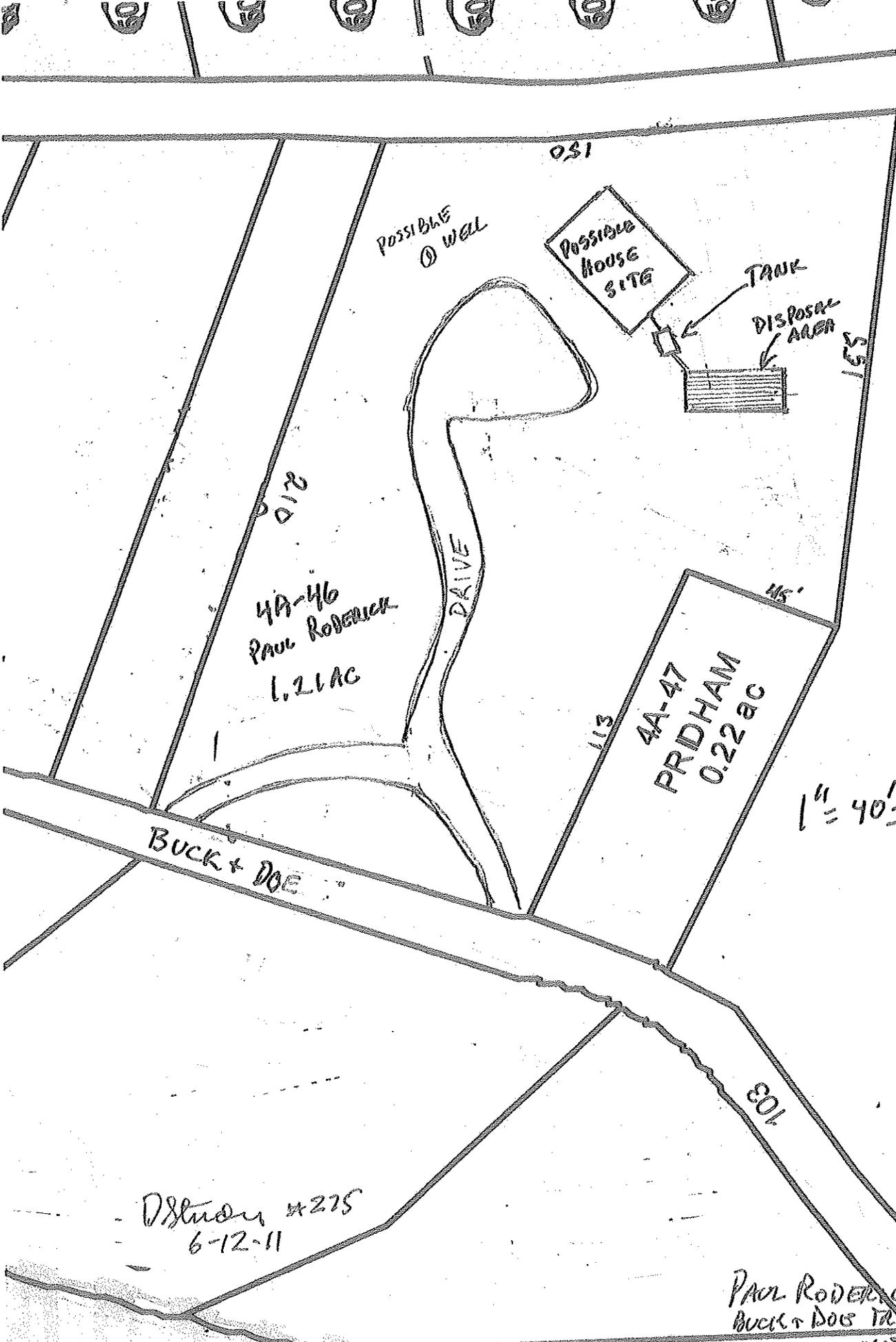
275

6-12-11

Site Evaluator Signature

SE #

Date



OS1

POSSIBLE
WELL

POSSIBLE
HOUSE
SITE

TANK

DISPOSAL
AREA

4A-46
PAUL RODERICK
1.22 AC

DRIVE

4A-47
PRIDHAM
0.22 AC

BUCK + DOE

1" = 40'

D Study #275
6-12-11

PAUL RODERICK
BUCK + DOE TRAC
AUGUSTA ME 04330

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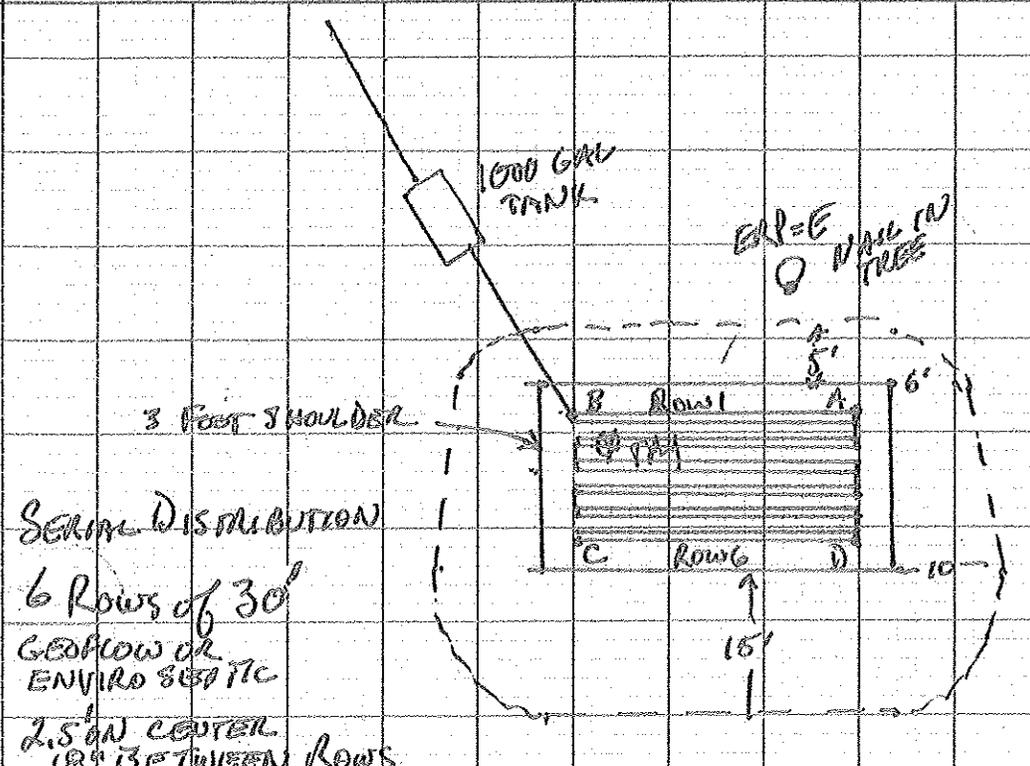
AUGUSTA

BUCK + DOE TRAIL

PAUL RODERICK

SUBSURFACE WASTEWATER DISPOSAL PLAN

SCALE: 1" = 20 FT.



TA = 21
 TB = 50.75
 TC = 52.5
 TE = 31
 "DT" 8" OAL PILING
 EB = 26
 FC = 84.75
 ED = 27.5
 FA = 14.5

ORIGINAL ELEVATIONS
 A+B = 60"
 C+D = 84"

SEWAGE DISTRIBUTION
 6 Rows of 30"
 GEOWFLOW OR
 ENVIRO 800 ETC
 2.5' ON CENTER
 18" BETWEEN ROWS

FILL REQUIREMENTS

CONSTRUCTION ELEVATIONS

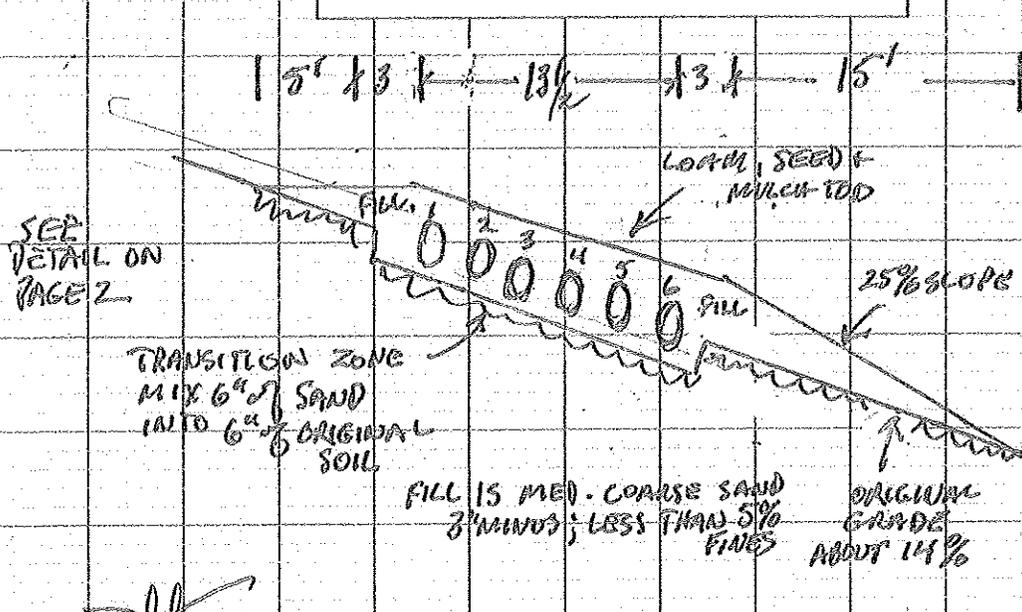
ELEVATION REFERENCE POINT

Depth of Fill (Upslope) 20" Finished Grade Elevation
 Top of Distribution Pipe or Proprietary Device SEE BELOW
 Depth of Fill (Downslope) Bottom of Disposal Area

Location & Description: NAIL IN TREE
 Reference Elevation: "0"

DISPOSAL AREA CROSS SECTION

Scale
 Horizontal 1" = 10 ft.
 Vertical 1" = 5 ft.



PIPE ROW	PIPE ELEVATIONS TOP	PIPE ELEVATIONS BOTTOM	FINISH GRADE
1	-51"	-63"	-39"
2	-56"	-68"	-49"
3	-61"	-73"	-49"
4	-66"	-78"	-54"
5	-71"	-83"	-59"
6	-76"	-88"	-64"

[Signature]

275 6-12-11

Site Evaluator Signature

SE #

Date

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 watertight. This applies to the pump tanks if your system requires pumping. Distribution boxes shall have "Equalizers" installed on the outlets., if more than one port is used
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. 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 Enviro-Septic pipe are considered equal in the rules. Pipe should be installed with mfg. Installation instructions.