FORMS

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

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

PROPERTY LOCATION

City, Town, Plantation: Augusta
Street or Road: Church Hill Rd.
Subdivision Lot #:

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

AUGUSTA PERMIT # 6207 TOWN COPY

Date Permit Issued: 8 25 08 $ 100 00 ☐ If Double Fee Charged

Local Plumbing Inspector Signature

L.P.I. # 850

OWNER/APPLICANT INFORMATION

Name (last, first, MI): Greig, Robert ☒ Owner ☐ Applicant

Mailing Address of Owner/Applicant: 823 Church Hill Rd Augusta, Me 04330

Daytime Tel #: 626-3039

Municipal Tax Map # 3 Lot # 19 RES

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 8/4/08

CAUTION: INSPECTION REQUIRED

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

Local Plumbing Inspector Signature: (1st) date approved 10/27/08 (2nd) date approved 10/28/08

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
☐ 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

50,000 ☒ 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

Tobie ☒ 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 1120 ☒ 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 501.1 (dwelling unit(s))
☐ 2. Table 501.2 (other facilities)
SHOW CALCULATIONS
--- for other facilities ---
☐ 3. Section 503.0 (meter readings)
ATTACH WATER METER DATA

SOIL DATA & DESIGN CLASS

PROFILE CONDITION DESIGN
1 C 7
at Observation Hole # 3
Depth 16"
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

SITE EVALUATOR STATEMENT

I certify that on 9/20/05 (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).

James W. Marple — Site Evaluator Signature
S-304 — SE #
9/26/05 — Date

James W. Marple — Site Evaluator Name Printed
589-4305 — Telephone Number
E-mail Address

Note: Changes to or deviations from the design should be confirmed with the Site Evaluator.

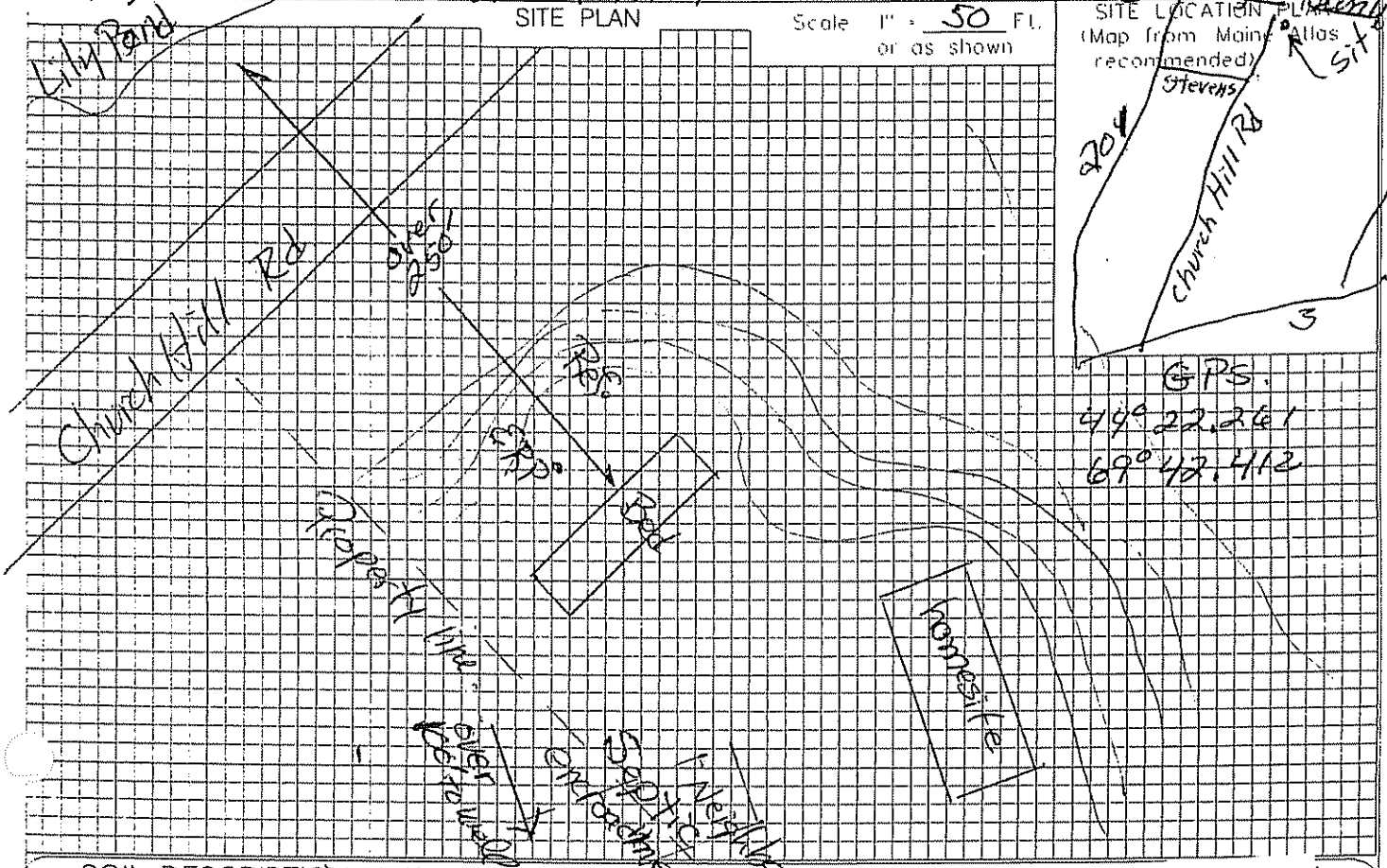
SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering
(207) 287-5672 FAX (207) 287-4172

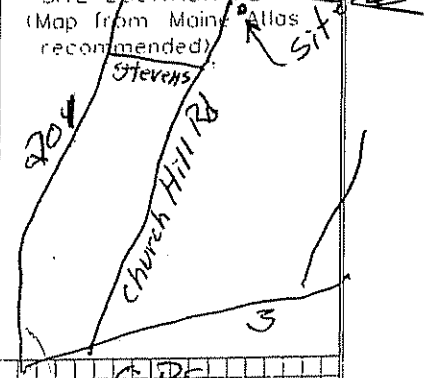
Town/City/Plantation: Augusta
Street/Road Subdivision: Church Hill Rd.
Owner's Name: Robert Graig

SITE PLAN

Scale 1" = 50 Ft. or as shown



SITE LOCATION PLAN (Map from Maine Atlas recommended)



SOIL DESCRIPTION AND CLASSIFICATION (Location of Si...)

Observation Hole #1 & 2 [...]
_____ " Depth of Organic Horizon

Enchroachment of Neighbors Septic has been removed and set back 15'

Texture	Consistency	
Silt Loam	Friable	
		Li...
		Ye...
	Firm	Ol...

Soil Classification		Slope	Limiting Factor	
1 (Profile)	C (Condition)	8 %	18"	☐ Ground Water ☒ Restrictive Layer ☐ Bedrock ☐ Pit Depth

Soil Classification		Slope	Limiting Factor	
1 (Profile)	C (Condition)	8 %	16"	☐ Ground Water ☒ Restrictive Layer ☐ Bedrock ☐ Pit Depth

James W. Marple — Site Evaluator Signature
S 304 — SE #
9/26/05 — Date

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Division of Health Engineering
(207) 287-5672 FAX (207) 287-4172

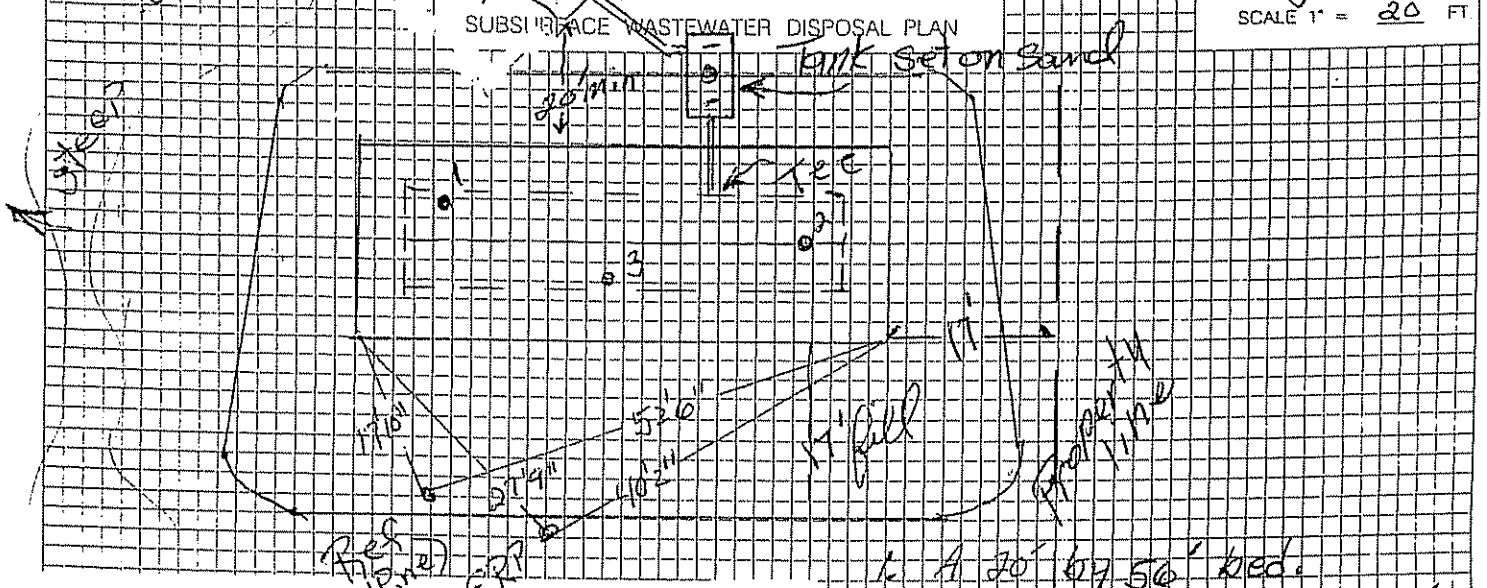
Town, City, Plantation: Augusta

Street, Road, Subdivision: Church Hill Rd.

Owner's Name: Robert Greig

SUBSURFACE WASTEWATER DISPOSAL PLAN

SCALE 1" = 20 FT.



1. A 20' by 56' bed.
2. 3, 4" distribution lines 46' long and spaced 5' apart.
3. Tank is 5' from slab or 8' from full foundation.
4. Bed is 15' from slab or 20' from full foundation
5. Tank is 100' from owners well or 50' if monolithic tank is used

Remove topsoil, roots, and organic matter under the required sand area of a proposed system, including the slope extensions ~~of raised~~ systems.
Maintain the existing characteristics of the underlying soil as much as possible.
Add the sand fill on the same day that the leach area is excavated.
Do not allow water to run into or over the system during construction.
Do not work wet or frozen soils.

Steep

Minimize machine movement to avoid soil compaction and destruction of the soil structure under and around the system. Be especially careful not to compact soil on the down slope side of the system.

FILL REQUIREMENTS

Depth of Fill (Upslope)	18"
Depth of Fill (Downslope)	34"

CONSTRUCTION ELEVATIONS

Finished Grade Elevation	-42"
Top of Distribution Pipe or Proprietary Device	-54"
Bottom of Disposal Area	-65"

ELEVATION REFERENCE POINT

Location & Description: Nail 92" high in 16" Pine tree

Reference Elevation: -0-

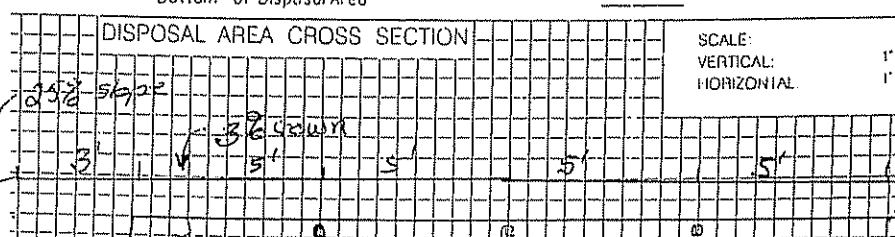
604.2.3 Field Determination of backfill. Due to the difficulty of obtaining sieve analyses and the stability of backfill material, the following procedures can be used in the field to determine the suitability of backfill material. The backfill is suitable if the soil texture is loose single grains, the individual single grains can be readily seen (similar to salt or sugar grains) and fall, and the following conditions are correct: It squeezed in the hand when dry, will fall apart when the pressure is released but has enough fines to stain the lines in the palm of the hand; or if squeezed when wet, it will form a cast that will crumble upon touched and bears very careful handling, and it does not form a ribbon between the thumb and forefinger but has enough fines to stain the lines in the palm of the hand.

604.2.4 Coarse fragments: The upper limit of coarse fragments shall be 3 inches in diameter and approximately 3% by volume.

604.4.1 Extent of backfill material: The fill layer shall include any backfill beneath the disposal field, the sidecutters, and the backfill material extensions surrounding the disposal field on all sides.

DISPOSAL AREA CROSS SECTION

SCALE:
VERTICAL: 1" = 5'
HORIZONTAL: 1" = 5'



original grade 8%

1. Remove organic matter from under bed and fill extensions.
2. Bed bottom is level.
3. New fill and original soil to be tilled together for 4" transition horizon
4. 12" Clean uniform stone 3/4" to 2 1/2"

Filter fabric over stone

5. Final grades 4" topsoil, seed and mulch.

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City, Town, or Plantation	Augusta
Street or Road	Church Hill Rd
Subdivision, Lot #	

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

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 INFORMATION

Name (last, first, MI)	Greig, Robert ■ Owner ☐ Applicant
Mailing Address of Owner/Applicant	823 Church Hill Rd Augusta, Me 04330
Daytime Tel. #	626-3039

Municipal Tax Map # _____ Lot # _____

OWNER OR APPLICANT STATEMENT
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(1st) date approved _____

Local Plumbing Inspector Signature _____ (2nd) date approved _____

PERMIT INFORMATION

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- ☐ 2. Replacement System
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- ☐ 12. Miscellaneous Components

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50,000 ■ SQ. FT. ☐ ACRES

SHORELAND ZONING
☐ Yes ■ No

DISPOSAL SYSTEM TO SERVE
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Current Use ☐ Seasonal ☐ Year Round ■ Undeveloped

TYPE OF WATER SUPPLY
To be ☐ 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
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SIZE: 1120 ☐ sq. ft. ☐ lin. ft.

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BASED ON:
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  SHOW CALCULATIONS for other facilities
- ☐ 3. Section 503.0 (meter readings)
  ATTACH WATER METER DATA

SOIL DATA & DESIGN CLASS

PROFILE	CONDITION	DESIGN
I	C	I

at Observation Hole # 3
Depth 16"
of Most Limiting Soil Factor

DISPOSAL FIELD SIZING
- ☐ 1. Small—2.0 sq. ft. / gpd
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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 22 m 16 s
Lon. 69 d 42 m 25 s
if g.p.s, state margin of error: 21'

SITE EVALUATOR STATEMENT

I certify that on 9/20/05 (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).

James W. Marple — Site Evaluator Signature
S 304 — SE #
8/29/08 — Date

James W. Marple — Site Evaluator Name Printed
207-589-4305 — Telephone Number
E-mail Address

Note: Changes to or deviations from the design should be confirmed with the Site Evaluator.

HHE-200 Rev. 4/05