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SEP 1 0 2010

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	Church Hill Rd
Subdivision, Lot #	

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

AUGUSTA PERMIT # 6534 TOWN COPY

Date Permit Issued: 2/2/11 $ 100.00 ☐ If Double Fee Charged

Local Plumbing Insector Signature: [signature] L.P.I. # 850

OWNER/APPLICANT INFORMATION

Name (last, first, MI)	All Seasons Home Imp. ☒ Owner ☐ Applicant
Mailing Address of Owner/Applicant	823 Church Hill Rd Augusta, Me 04330
Daytime Tel. #	626-3039

Municipal Tax Map # 3 Lot # 20

part of

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] 2/3/11
Signature of Owner or Applicant Date

CAUTION: INSPECTION REQUIRED

I have inspected the installation authoirzed 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. 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

200 ☐ SQ. FT. ☒ ACRES

SHORELAND ZONING

☐ Yes ☒ No

DISPOSAL SYSTEM TO SERVE

- ☐ 1. Single Family Dwelling Unit, No. of Bedrooms: ____
- ☐ 2. Multiple Family Dwelling, No. of Units: ____
- ☒ 3. Other: Clubhouse (specify)

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

- ☒ 1. Stone Bed ☐ 2. Stone Trench
- ☐ 3. Proprietary Device
  - ☐ a. cluster array ☐ c. Linear
  - ☐ b. regular load ☐ d. H-20 load
- ☐ 4. Other: _____

SIZE: 750 ☒ 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

180 gallons per day

BASED ON:

- ☐ 1. Table 501.1 (dwelling unit(s))
- ☐ 2. Table 501.2 (other facilities)

SHOW CALCULATIONS for other facilites

2 Employees = 30 GPD
30 Attendee @ 5 = 150 GPD

- ☐ 3. Section 503.0 (meter readings) 180

ATTACH WATER METER DATA

SOIL DATA & DESIGN CLASS

PROFILE	CONDITION	DESIGN
8	C	1

at Observation Hole # 1

Depth 15 "

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. f.t / 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 22 m 22 s
Lon. 69 d 42 m 15 s
if g.p.s, state margin of error: 20

SITE EVALUATOR STATEMENT

I certify that on 8/10/10 (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 #
8/21/10 — Date

James W. Marple — Site Evaluator Name Printed
589-4305 — Telephone Number
jamesmarple14@hotmail.com — E-mail Address

HHE-200 Rev. 4/05

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

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

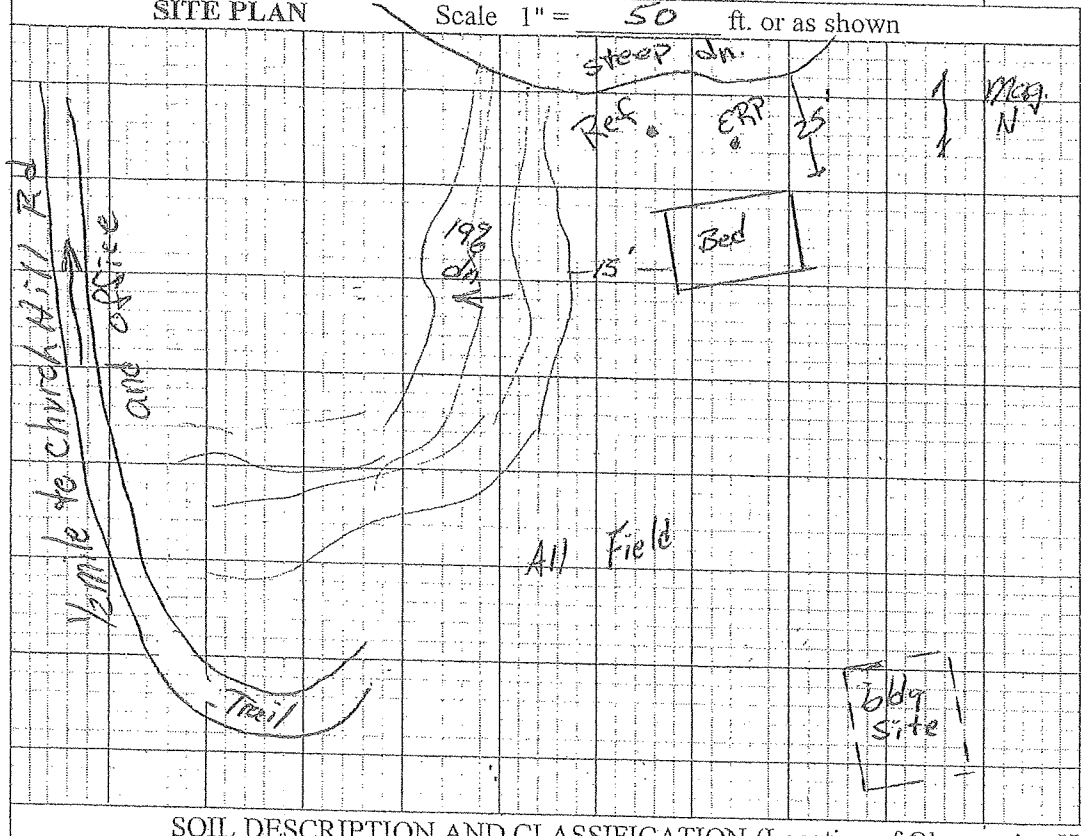
Town, City, Plantation: Augusta

Street, Road, Subdivision: Church Hill Rd

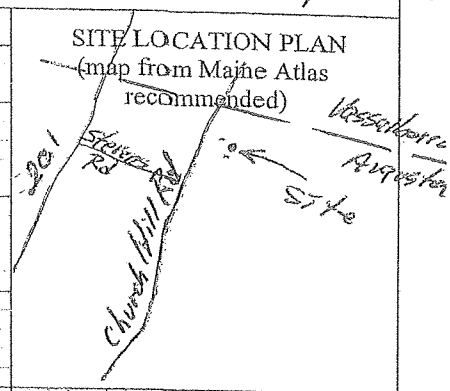
Owner's Name: All Seasons Home Improvement

SITE PLAN

Scale 1" = 50 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

_____" Depth of Organic Horizon Above Mineral Soil

Depth Below Mineral Soil Surface (inches)	Texture	Consistency	Color	Mottling
0–10	Silt Loam	Friable	Lite Brown	
10–50		Firm	olive gray	Faint

Soil Classification		Slope	Limiting Factor	
8 Profile	C Condition	2 %	15"	[ ] Ground Water ☒ Restrictive Layer [ ] Bedrock [ ] Pit Depth

Observation Hole 2 ☐ Test Pit ☐ Boring

_____" Depth of Organic Horizon Above Mineral Soil

Depth Below Mineral Soil Surface (inches)	Texture	Consistency	Color	Mottling
0–10	Silt Loam	Friable	Lite Brown	
10–50		Firm		Faint

Soil Classification		Slope	Limiting Factor	
8 Profile	C Condition	2 %	18"	☒ Ground Water ☒ Restrictive Layer [ ] Bedrock [ ] Pit Depth

James W. Maple — Site Evaluator Signature

S 304 — SE #

8/21/10 — Date

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

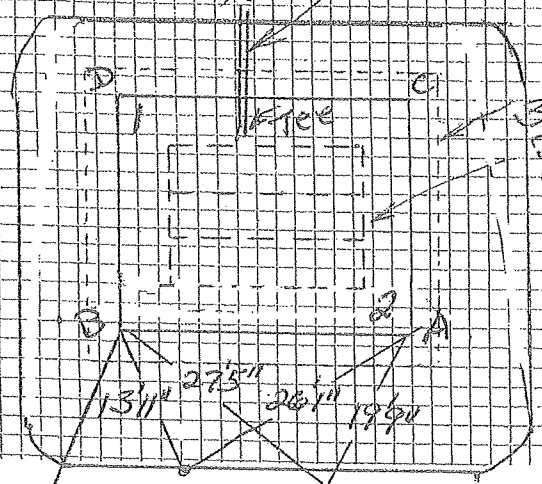
Owner's Name: Bob Greig

Tank Near Bldg

SUBSURFACE WASTEWATER DISPOSAL PLAN

SCALE 1" = 20 FT.

effluent line min. pitch is 1/8" per foot



original grades
A = 62"
B = 62"
C = 74"
D = 68"

1. A 75' by 30' bed.
2. 4, 4" distribution lines 20' long and spaced 5' apart.
3. Tank is 8' 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 for 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 dn.

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.

23' 6P 12'

14 Oak Rubber

FILL REQUIREMENTS		CONSTRUCTION ELEVATIONS		ELEVATION REFERENCE POINT
Depth of Fill (Upslope)	19"	Finished Grade Elevation	-42"	Location & Description: Nail 65' high in 16" oak tree
Depth of Fill (Downslope)	22"	Top of Distribution Pipe or Proprietary Device	-54"	
		Bottom of Disposal Area	-65"	Reference Elevation: -0-

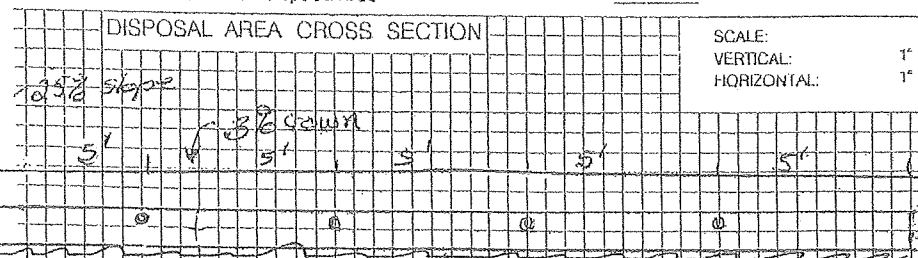
804.2.3 Field Determination of backfill: Due to the difficulty of obtaining sieve analyses and the variability of backfill material, the following procedures can be used in the field to determine the suitability of backfill material. The backfill is suitable if the soil texture is loose single grains, the individual sand grains can be readily seen (similar to salt or sugar grains) and fall, and the following conditions are observed: If 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 moist, it will form a cast that will crumble when touched and feels very gritty when rubbed; 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.

804.2.1 Coarse fragments: The upper limit of coarse fragments shall be 3 inches in diameter and approximately 5% by volume.

804.4.1 Extent of backfill material: The fill layer shall include any backfill beneath the disposal field, the shoulders, 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 2%

Gravelly coarse sand

Filter fabric over Stone

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 6" transition horizon
4. 12" Clean uniform Stone 3/4" to 2 1/2"
5. Final grades 4" topsoil, seed and mulch.

James W. Marple — Site Evaluator Signature

S 304 — SE #

8/21/10 — Date