

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Department of Human Services
Division of Health Engineering, Station 10
(207) 287-5672 FAX (207) 287-4172

PROPERTY LOCATION		>> Caution: Permit Required – Attach in Space Below <<	
City, Town, or Plantation	Augusta	AUGUSTA PERMIT # 5579 TOWN COPY Date Permit Issued: 7/13/05 \$100.00 FEE Double Fee Charged Local Plumbing Inspector Signature: <i>[Signature]</i> L.P.I. # 8572 with this permit you are authorized to install Subsurface Wastewater Disposal System.	
Street or Road	578 Church Hill Road		
Subdivision, Lot #			

OWNER/APPLICANT INFORMATION			
Name (last, first, MI)	Morris, Cathy L. <input checked="" type="checkbox"/> Owner Polley, Annalee <input type="checkbox"/> Applicant		
Mailing Address of Owner/Applicant	Church Hill Road Augusta, ME 04330		
Daytime Tel. #	(207) 622-6745	Municipal Tax Map #	3 Lot # 578

Owner/Applicant Statement		Caution: Inspections Required	
I state and acknowledge that the information submitted is correct to the best of my knowledge, that I have read and agree with the conditions on the back of this form, and understand that any falsification is reason for the Department and/or Local Plumbing Inspector to deny a Permit.		I have inspected the installation authorized above and on back of this form and found it to be in compliance with the Subsurface Wastewater Disposal Rules and local ordinances.	
Signature of Owner/Applicant: <i>Annalee Polley</i> Date: 7/11/05	Local Plumbing Inspector Signature: <i>[Signature]</i> Date: 7/14/05	(1 st) Date Approved	7/14/05
		(2 nd) Date Approved	

PERMIT INFORMATION			
TYPE OF APPLICATION		THIS APPLICATION REQUIRES	
1. <input checked="" type="checkbox"/> First Time System 2. <input type="checkbox"/> Replacement System Type Replaced: _____ Year Installed: _____ 3. <input type="checkbox"/> Expanded System a. <input type="checkbox"/> Minor Expansion b. <input type="checkbox"/> Major Expansion <input type="checkbox"/> Experimental System <input type="checkbox"/> Seasonal Conversion		1. <input checked="" type="checkbox"/> No Rule Variance 2. <input type="checkbox"/> First Time System Variance a. <input type="checkbox"/> Local Plumbing Inspector Approval b. <input type="checkbox"/> State & Local Plumbing Inspector Approval 3. Replacement System Variance a. <input type="checkbox"/> Local Plumbing Inspector approval b. <input type="checkbox"/> State & Local Plumbing Inspector approval 5. <input type="checkbox"/> Minimum Lot Size Variance 6. <input type="checkbox"/> Seasonal Conversion Variance	
SIZE OF PROPERTY		DISPOSAL SYSTEM TO SERVE:	
_____ sq. ft. 4 <input checked="" type="checkbox"/> acres		1. <input checked="" type="checkbox"/> Single Family Dwelling Unit, No. of Bedrooms: 3 2. <input type="checkbox"/> Multiple Family Dwelling, No. of Units: _____ 3. <input type="checkbox"/> Other: _____ Specify Current Use <input type="checkbox"/> Seasonal <input type="checkbox"/> Year Round <input type="checkbox"/> Undeveloped	
SHORELAND ZONING		DISPOSAL SYSTEM COMPONENT(S)	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		1. <input checked="" type="checkbox"/> Complete non-Engineered System 2. <input type="checkbox"/> Primitive System (graywater & alt toilet) 3. <input type="checkbox"/> Alternative Toilet, specify: _____ 4. <input type="checkbox"/> Non-Engineered Disposal Area 5. <input type="checkbox"/> Holding Tank, _____ gallons 6. <input type="checkbox"/> Non-Engineered Disposal Field (only) 7. <input type="checkbox"/> Separated Laundry System 8. <input type="checkbox"/> Complete Engineered System (+2000 gpd) 9. <input type="checkbox"/> Engineered Treatment Tank (only) 10. <input type="checkbox"/> Engineered Disposal Field (only) 11. <input type="checkbox"/> Pre-treatment, specify: _____ 12. <input type="checkbox"/> Miscellaneous components	
		TYPE OF WATER SUPPLY	
		1. <input checked="" type="checkbox"/> Drilled Well 2. <input type="checkbox"/> Dug Well 3. <input type="checkbox"/> Private 4. <input type="checkbox"/> Public 5. <input type="checkbox"/> Other: _____	

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)			
TREATMENT TANK		DISPOSAL AREA TYPE/SIZE	
1. <input checked="" type="checkbox"/> Concrete <input checked="" type="checkbox"/> Regular <input type="checkbox"/> Low Profile 2. <input type="checkbox"/> Plastic 3. <input type="checkbox"/> Other: _____ CAPACITY: 1000 Gallons		1. <input type="checkbox"/> Stone Bed 2. <input type="checkbox"/> Stone Trench 3. <input checked="" type="checkbox"/> Proprietary Device <input type="checkbox"/> Cluster array <input checked="" type="checkbox"/> Linear <input checked="" type="checkbox"/> Regular load <input type="checkbox"/> H-20 load 4. <input type="checkbox"/> Other: _____ SIZE: 891 <input checked="" type="checkbox"/> sq. ft. <input type="checkbox"/> lin. ft.	
SOIL DATA & DESIGN CLASS		GARBAGE DISPOSAL UNIT	
PROFILE CONDITION DESIGN 3 / D / 3D at Observation Hole # TP 2 Depth: 13" OF MOST LIMITING SOIL FACTOR		1. <input type="checkbox"/> No 2. <input type="checkbox"/> Yes 3. <input checked="" type="checkbox"/> Maybe If Yes or Maybe, specify one below: <input type="checkbox"/> Multi-compartment tank <input type="checkbox"/> Tanks in series <input type="checkbox"/> Increase in tank capacity <input checked="" type="checkbox"/> Filter on tank outlet	
DISPOSAL FIELD SIZING		EFFLUENT/EJECTOR PUMP	
1. <input type="checkbox"/> Small 2.0 sq. ft./gpd. 2. <input type="checkbox"/> Medium 2.6 sq. ft./gpd. 3. <input checked="" type="checkbox"/> Medium Large 3.3 sq. ft./gpd. 4. <input type="checkbox"/> Large 4.1 sq. ft./gpd. 5. <input type="checkbox"/> Extra-Large 5.0 sq. ft./gpd.		1. <input type="checkbox"/> Not required 2. <input checked="" type="checkbox"/> May be required 3. <input type="checkbox"/> Required >> Specify only for engineered or experimental systems Dose _____ Gallons	
		DESIGN FLOW 270 gallons per day BASED ON: 1. <input checked="" type="checkbox"/> Table 501.1 (dwelling unit(s)) 2. <input type="checkbox"/> Table 501.2 (other facilities) SHOW CALCULATIONS -for other facilities-- 3. <input type="checkbox"/> Section 503.0 (meter read.) ATTACH WATER-METER DATA	

SITE EVALUATOR COMMENTS
System-5 rows of 36' long Enviro-Septic Pipe, 2' pipe spacing (9' wide)
SITE EVALUATOR STATEMENT

I Certify that on May 7, 2004 (date) I completed a site evaluation on this project and state that the data reported is accurate and that the proposed system is in compliance with the State of Maine Subsurface Wastewater Disposal Rules (10-144A CMR 241) as interpreted by me.

Kane P. Coffin
 Coffin, an agent of E.S. Coffin Engineering & Surveying, Inc.
 E.S. Coffin Engineering & Surveying, Inc.
 432 Cony Road P.O. Box 4687
 Augusta, Maine 04330-1687

SE #331
 Licensed Site Evaluator
 (207) 623-9475 or 1-800-244-9475

May 21, 2004
 Date
 Fax (207)623-0016

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

Town, City, Plantation
 Augusta

Street, Road, Subdivision
 Church Hill Road

Owner's Name
 Cathy Morris

SITE PLAN

Scale: 1" = ___ feet

TEXTURE TERMS

Sand
 Loamy sand
 Sandy loam
 Loam
 Silty loam
 Silty clay loam
 Silty clay
 Bedrock

TEXTURE

ABUNDANCE
 Very-36-60%
 Extremely-61-90%

MODIFIER TERMS

VF-very fine
 F-fine
 M-medium
 C-course
 ROCK
 Gravelly-0.1-3"
 Cobblely-3-10"
 Stony-+10"

MOTTLING

CONTRAST
 Faint
 Distinct
 Prominent

ABUNDANCE
 None
 Few-<2%
 Common-2-20%
 Many->20%

CONSISTENCE

TERMS
 Loose
 Friable
 Firm
 Very Firm
 Cemented

SOIL DESCRIPTION AND CLASSIFICATION

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

Texture	Consistency	Color	Mottling
Fine Sandy Loam	Friable	Dk Brown	None
		Dk Yel-Brown	
		Yellow-Brown	
Very Fine Sand Loam	Firm	Light Olive Brown	Common Distinct
		Olive	

Soil Classification	Slope	Limiting Factor	<input checked="" type="checkbox"/> Ground Water
3 C	5%	15'	<input type="checkbox"/> Restrictive Layer
Profile Condition			<input type="checkbox"/> Bedrock
			<input type="checkbox"/> Pit Depth

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

Texture	Consistency	Color	Mottling
Fine Sandy Loam		Dk Brown	None
		Dk Yel-Brown	
		Yellow-Brown	
	Firm	Light Olive Brown	Common Distinct
Fine Sand Loam		Olive	

Soil Classification	Slope	Limiting Factor	<input checked="" type="checkbox"/> Ground Water
3 D	4%	13'	<input type="checkbox"/> Restrictive Layer
Profile Condition			<input type="checkbox"/> Bedrock
			<input type="checkbox"/> Pit Depth

Site Evaluator's Signature *Kara P. Coffin*

SE # 331

Date: 05/21/04

HHE-200

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FILL REQUIREMENTS
Depth of Fill (Upslope) 29-38"
Depth of Fill (Downslope) 29-43"

CONSTRUCTION ELEVATIONS
Reference Elevation is 00"
Bottom of Disposal Area n/a
Top of Pipe n/a

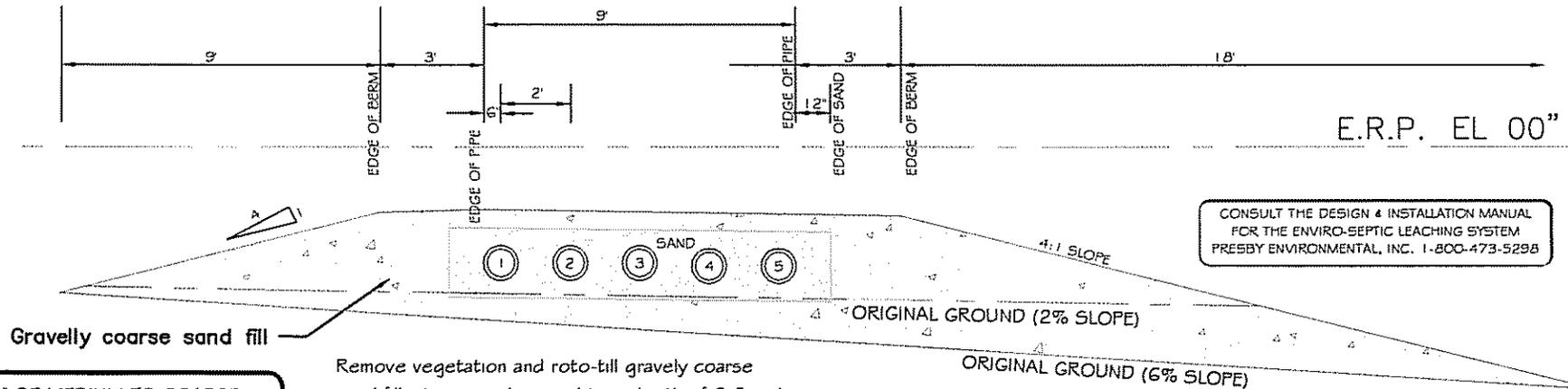
ELEV. REF. PT:

50d spike in CMP Pole 589
(10" above ground)

DISPOSAL AREA CROSS SECTION

SCALE:

Vertical: 1 inch = 5 feet
Horizontal: 1 inch = 5 feet



CONSULT THE DESIGN & INSTALLATION MANUAL FOR THE ENVIRO-SEPTIC LEACHING SYSTEM PRESBY ENVIRONMENTAL, INC. 1-800-473-5298

INSTALL 6" OF MEDIUM TO COARSE SAND WITH AN EFFECTIVE PARTICLE SIZE OF 0.25 TO 2.0 MM, WITH NO GREATER THAN 5% PASSING A #200 SIEVE AND NO PARTICLES LARGER THAN 3/4" AROUND THE PIPE.

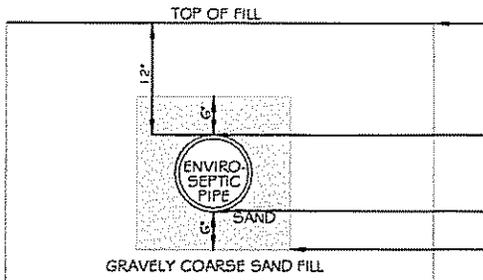
Remove vegetation and roto-till gravelly coarse sand fill into original ground to a depth of 6-8 inches

INSTALL 5 LINES OF ENVIRO-SEPTIC PIPE (36' LONG), 2' APART CENTER-TO-CENTER.

ELEVATIONS FROM E.R.P.

	ROW 1	ROW 2	ROW 3	ROW 4	ROW 5
TOP OF FILL	-22"	-22"	-22"	-23"	-23"
ENVIRO-SEPTIC PIPE	-34"	-34"	-34"	-35"	-35"
SAND	-46"	-46"	-46"	-47"	-47"
GRAVELLY COARSE SAND FILL	-52"	-52"	-52"	-53"	-53"

- DISPOSAL FIELD CONSTRUCTION TECHNIQUES**
1. VEGETATION SHALL BE CUT AND REMOVED FROM THE AREA WHERE BACKFILL MATERIAL IS TO BE PLACED.
 2. THE AREA UNDER THE DISPOSAL FIELD AND BACKFILL EXTENSIONS SHALL BE ROTO-TILLED WITH GRAVELLY COARSE SAND FILL TO A DEPTH OF 6-8 INCHES TO FORM A TRANSITIONAL HORIZON.
 3. FILL LARGE HOLES THAT ARE LEFT AS A RESULT OF STUMP OR STONE REMOVAL WITH GRAVELLY COARSE SAND FILL.
 4. SURFACE WATER (FROM ROOFS OR UPLAND) MUST BE DIVERTED AWAY FROM THE DISPOSAL FIELD.
 5. SEPTIC TANK AND LINES MAY BE RELOCATED TO A MORE FEASIBLE LOCATION AS LONG AS SETBACKS AND INTENT OF DESIGN IS MET.
 6. ALL CONSTRUCTION SHALL CONFORM WITH TITLE 22-MRSA, SECTION 42, 10-144A-CMR 241 MAINE SUBSURFACE WASTE WATER DISPOSAL RULES AND OTHER PERTINENT SECTIONS.
 7. THE OWNER/CONTRACTOR SHALL CAREFULLY OBSERVE THE VERTICAL DISTANCE BETWEEN THE E.R.P. AND THE BOTTOM OF THE LEACH FIELD AND NOTIFY THE SITE EVALUATOR PROMPTLY IF SEPARATION DISTANCE APPEARS TO BE AT ODDS WITH THE ORIGINAL GROUND.
 8. THE OWNER/APPLICANT IS RESPONSIBLE FOR THE CONTRACTOR INSTALLING THE PROPOSED SEPTIC SYSTEM CORRECTLY AND FOR OBTAINING ALL NECESSARY PERMITS.



DETAIL (no scale)

Site Evaluator's Signature

SE # 331

Date: 05/20/04

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