

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

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

PROPERTY LOCATION		>> CAUTION: LPI APPROVAL REQUIRED <<	
City, Town, Plantation	AUGUSTA	To	
Street or Road	482 CHURCH HILL ROAD	Date	
Subdivision, Lot #	M7/L28A		
OWNER/APPLICANT INFORMATION		AUGUSTA PERMIT #6860 TOWN COPY	
Name (last, first, MI)	TURNER, JANICE <input type="checkbox"/> Owner <input checked="" type="checkbox"/> Applicant	Date Permit Issued:	10/10/13 \$ 250.00 fee
Mailing Address of Owner/Applicant	494 CHURCH HILL ROAD	<i>Janice M. Turner</i>	
	AUGUSTA, ME 04330	LPI # 850	
Daytime Tel. #	207/621-2387		
		Municipal Tax Map #	Lot #

<p>OWNER OR APPLICANT STATEMENT</p> <p>I state 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.</p> <p><i>Janice M. Turner</i> Signature of Owner/Applicant</p> <p style="text-align: right;">10/10/13 Date</p>	<p style="text-align: center;">CAUTION: INSPECTION REQUIRED</p> <p>I have inspected the installation authorized above and found it to be in compliance with the Subsurface Wastewater Disposal Rules Application.</p> <p style="text-align: center;"><i>Janice M. Turner</i> Local Plumbing Inspector Signature</p> <p style="text-align: right;">10/25/13 (1st) Date Approved 10/25/13 (2nd) Date Approved</p>
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PERMIT INFORMATION		
<p>TYPE OF APPLICATION</p> <p><input type="checkbox"/> 1. First Time System</p> <p><input checked="" type="checkbox"/> 2. Replacement System</p> <p>Type replaced <u>TRENCH</u></p> <p>Year installed <u>UNKNOWN</u></p> <p><input type="checkbox"/> 3. Expanded System</p> <p><input type="checkbox"/> a. <25% Expansion</p> <p><input type="checkbox"/> b. >25% Expansion</p> <p><input type="checkbox"/> 4. Experimental System</p> <p><input type="checkbox"/> 5. Seasonal Conversion</p>	<p>THIS APPLICATION REQUIRES</p> <p><input checked="" type="checkbox"/> 1. No Rule Variance</p> <p><input type="checkbox"/> 2. First Time System Variance</p> <p><input type="checkbox"/> a. Local Plumbing Inspector approval</p> <p><input type="checkbox"/> b. State & Local Plumbing Inspector approval</p> <p><input type="checkbox"/> 3. Replacement System Variance</p> <p><input type="checkbox"/> a. Local Plumbing Inspector approval</p> <p><input type="checkbox"/> b. State & Local Plumbing Inspector approval</p> <p><input type="checkbox"/> 4. Minimum Lot Size Variance</p> <p><input type="checkbox"/> 5. Seasonal Conversion Permit</p>	<p>DISPOSAL SYSTEM COMPONENTS</p> <p><input checked="" type="checkbox"/> 1. Complete Non-engineered System</p> <p><input type="checkbox"/> 2. Primitive System (graywater & alt. toilet)</p> <p><input type="checkbox"/> 3. Alternative Toilet, specify _____</p> <p><input type="checkbox"/> 4. Non-Engineered Treatment Tank (only)</p> <p><input type="checkbox"/> 5. Holding Tank, _____ gallons</p> <p><input type="checkbox"/> 6. Non-engineered Disposal Field (only)</p> <p><input type="checkbox"/> 7. Separated Laundry System</p> <p><input type="checkbox"/> 8. Complete Engineered System (2000 gpd or more)</p> <p><input type="checkbox"/> 9. Engineered Treatment Tank (only)</p> <p><input type="checkbox"/> 10. Engineered Disposal Field (only)</p> <p><input type="checkbox"/> 11. Pretreatment, specify: _____</p> <p><input type="checkbox"/> 12. Miscellaneous Components</p>
<p>SIZE OF PROPERTY</p> <p>7.9 <input type="checkbox"/> SQ. FT. <input checked="" type="checkbox"/> ACRES</p>	<p>DISPOSAL SYSTEM TO SERVE:</p> <p><input checked="" type="checkbox"/> 1. Single Family Dwelling Unit, No. of Bedrooms: <u>3</u></p> <p><input type="checkbox"/> 2. Multiple Family Dwelling Unit, No. of Units: _____</p> <p><input type="checkbox"/> 3. Other _____ (specify)</p> <p>Current Use <input type="checkbox"/> Seasonal <input checked="" type="checkbox"/> Year Round <input type="checkbox"/> Undeveloped</p>	<p>TYPE OF WATER SUPPLY</p> <p><input checked="" type="checkbox"/> 1. Drilled Well <input type="checkbox"/> 2. Dug Well <input type="checkbox"/> 3. Private</p> <p><input type="checkbox"/> 4. Public <input type="checkbox"/> 5. Other</p>
<p>SHORELAND ZONING</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>		

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)			
<p>TREATMENT TANK</p> <p><input checked="" type="checkbox"/> 1. Concrete</p> <p><input type="checkbox"/> a. Regular</p> <p><input type="checkbox"/> b. Low Profile</p> <p><input type="checkbox"/> 2. Plastic</p> <p><input type="checkbox"/> 3. Other _____</p> <p>CAPACITY <u>1000</u> GAL.</p>	<p>DISPOSAL FIELD TYPE & SIZE</p> <p><input type="checkbox"/> 1. Stone Bed <input type="checkbox"/> 2. Stone Trench</p> <p><input checked="" type="checkbox"/> 3. Proprietary Device</p> <p><input type="checkbox"/> a. cluster array <input checked="" type="checkbox"/> c. Linear</p> <p><input checked="" type="checkbox"/> b. regular load <input type="checkbox"/> d. H-20 load</p> <p><input type="checkbox"/> 4. Other _____</p> <p>SIZE <u>900</u> <input checked="" type="checkbox"/> sq. ft. <input type="checkbox"/> lin. ft.</p>	<p>GARBAGE DISPOSAL UNIT</p> <p><input checked="" type="checkbox"/> 1. No <input type="checkbox"/> 2. Yes <input type="checkbox"/> 3. Maybe</p> <p>If Yes or Maybe, specify one below:</p> <p><input type="checkbox"/> a. multi-compartment tank</p> <p><input type="checkbox"/> b. _____ tanks in series</p> <p><input type="checkbox"/> c. increase in tank capacity</p> <p><input type="checkbox"/> d. Filter on Tank Outlet</p>	<p>DESIGN FLOW</p> <p><u>270</u> gallons per day</p> <p>BASED ON:</p> <p><input checked="" type="checkbox"/> 1. Table 4A (dwelling unit(s))</p> <p><input type="checkbox"/> 2. Table 4C (other facilities)</p> <p>SHOW CALCULATIONS for other facilities</p>
<p>SOIL DATA & DESIGN CLASS</p> <p>PROFILE CONDITION</p> <p><u>3 / A-III</u></p> <p>at Observation Hole # <u>TP-1</u></p> <p>Depth <u>15</u>"</p> <p>of Most Limiting Soil Factor</p>	<p>DISPOSAL FIELD SIZING</p> <p><input type="checkbox"/> 1. Medium - 2.6 sq. ft./gpd</p> <p><input checked="" type="checkbox"/> 2. Medium-Large - 3.3 sq. ft./gpd</p> <p><input type="checkbox"/> 3. Large - 4.1 sq. ft./gpd</p> <p><input type="checkbox"/> 4. Extra-Large - 5.0 sq. ft./gpd</p>	<p>EFFLUENT/EJECTOR PUMP</p> <p><input checked="" type="checkbox"/> 1. Not Required</p> <p><input type="checkbox"/> 2. May Be Required</p> <p><input type="checkbox"/> 3. Required</p> <p>Specify only for engineered systems</p> <p>DOSE _____ gallons</p>	<p><input type="checkbox"/> 3. Section 4G (meter readings)</p> <p>ATTACH WATER METER DATA</p> <p>LATITUDE AND LONGITUDE at center of disposal area</p> <p>Lat. <u>44</u> d <u>20</u> m <u>54</u> s</p> <p>Lon. <u>69</u> d <u>43</u> m <u>16</u> s</p> <p>if gps, state margin of error: <u>30</u> ft</p>

SITE EVALUATOR'S STATEMENT		
I certify that on <u>9/30/13</u> (date) I completed a site evaluation on this property and state that the data reported are accurate and the proposed system is in compliance with the State of Maine Subsurface Wastewater Disposal Rules (10-144A CMR 241).		
<i>William P Brown</i> Site Evaluator Signature	188 SE#	9/30/2013 Date
WILLIAM P BROWN Site Evaluator Name Printed	293-2110 Telephone Number	E-mail Address

BSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Department of Human Services
Division of Health Engineering, Station 10
(207) 287-5672 FAX 207 287-4165

City, Plantation
AUGUSTA

Street, Road, Subdivision
482 CHURCH HILL ROAD

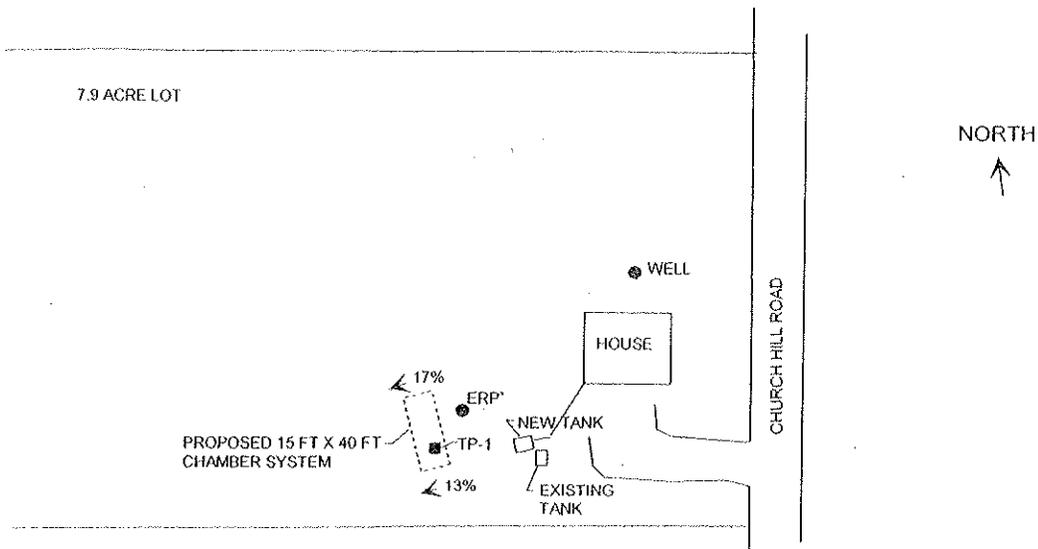
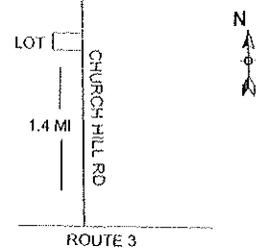
Owner or Applicant Name
JANICE TURNER

SITE PLAN

Scale 1" = 100 Ft.

SITE LOCATION PLAN

(Attach map from Maine Atlas for First Time System Variance)



ERP TO TP-1 = 25'

THE PROPOSAL IS TO PUMP OUT THE EXISTING SEPTIC TANK AND BACKFILL IN-PLACE. A NEW 1000 GALLON SEPTIC TANK WILL BE INSTALLED NEXT TO THE EXISTING TANK. LEDGE MAY BE PRESENT AND A LOW-BOY TANK MAY BE NEEDED.

A 15 FT X40 FT PLASTIC BIODIFFUSOR CHAMBER SYSTEM (OR INFILTRATOR)) WILL BE INSTALLED AS SHOWN. THE PIPE FROM THE HOUSE WILL BE DIVERTED TO THE NEW TANK. RISERS TO WITHIN 6 INCHES OF GRADE WILL BE INSTALLED ON THE SEPTIC TANK OPENINGS.

THE PROPOSED SYSTEM IS OVER 100 FEET FROM THE OWNER'S DRILLED WELL.

SOIL PROFILE DESCRIPTION AND CLASSIFICATION

Observation Hole # TP-1 Test Pit Boring

1 " Depth of organic horizon above mineral soil

DEPTH BELOW MINERAL SOIL SURFACE (inches)	Texture	Consistency	Color	Mottling
0			BROWN	
10	SANDY LOAM	FRIABLE	YELLOWISH BROWN	NONE
20		FIRM	OLIVE BROWN	COMMON
30	REFUSAL			
40				
50				

Soil Profile	Classification Condition	Slope Percent	Limiting Factor Depth	<input checked="" type="checkbox"/> Groundwater <input type="checkbox"/> Restrictive Layer <input type="checkbox"/> Bedrock
3	A-III	13-17%	15"	

(Location of Observation Holes Shown Above)

Observation Hole # _____ Test Pit Boring

_____ " Depth of organic horizon above mineral soil

DEPTH BELOW MINERAL SOIL SURFACE (inches)	Texture	Consistency	Color	Mottling
0				
10				
20				
30				
40				
50				

Soil Profile	Classification Condition	Slope Percent	Limiting Factor Depth	<input type="checkbox"/> Groundwater <input type="checkbox"/> Restrictive Layer <input type="checkbox"/> Bedrock

WILLIAM P BROWN *William P Brown*
Site Evaluator Signature

188
SE #

9/30/2013
Date

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Division of Health Engineering, Station 10

town, City, Plantation
AUGUSTA

Street, Road, Subdivision
482 CHURCH HILL ROAD

Owner or Applicant Name
JANICE TURNER

SUBSURFACE WASTEWATER DISPOSAL PLAN

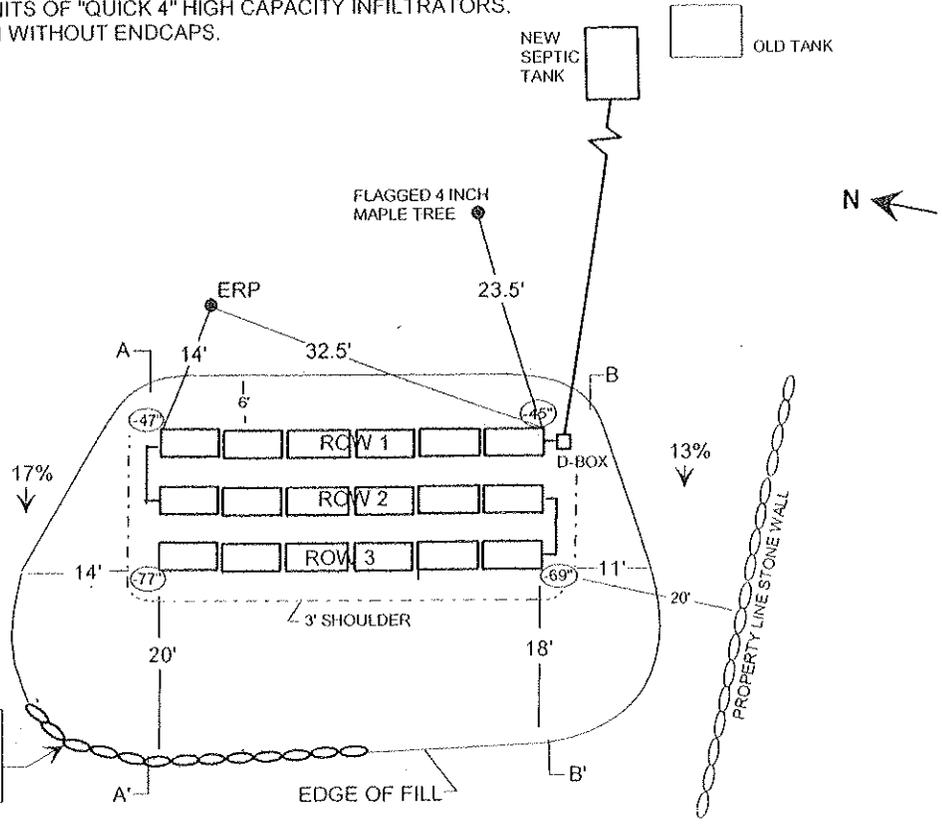
Scale 1" = 20' Ft.

PUMP OUT EXISTING SEPTIC TANK AND BACKFILL IN PLACE. INSTALL NEW 1000 GALLON SEPTIC TANK NEAR EXISTING TANK. DIRECT FLOW TO NEW TANK. PLACE RISERS OVER ALL SEPTIC TANK OPENINGS TO WITHIN 6 INCHES OF GRADE. INSTALL SDR 35 PIPE TO NEW D-BOX.

INSTALL 3 ROWS OF 16 INCH HIGH "HIGH CAPACITY" BIODIFUSOR PLASTIC CHAMBERS WITH 6 UNITS IN EACH ROW, OR 3 ROWS OF 10 UNITS OF "QUICK 4" HIGH CAPACITY INFILTRATORS. FLAG THE OUTSIDE EDGE OF THE SYSTEM WITHOUT ENDCAPS. EACH ROW IS 3 FEET APART. CONNECT THE ROWS IN SERIAL DISTRIBUTION.

USE EXTREMELY COARSE GRAVEL AROUND AND UNDER PLASTIC CHAMBERS.

SLOPE FINISH GRADE AS SHOWN



CONSTRUCT 18 INCH HIGH STONE WALL, 20 FEET FROM DISPOSAL SYSTEM IN THIS AREA. GRADE TO TOP OF STONE WALL.

BACKFILL REQUIREMENTS

Depth of Fill (Upslope) **21-23"**
Depth of Fill (Downslope) **25-33"**
DEPTHS AT CROSS-SECTION (shown below)

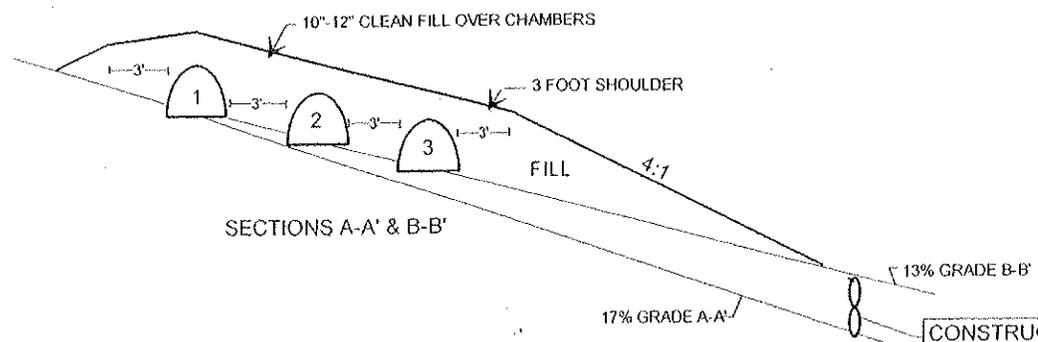
CONSTRUCTION ELEVATIONS

Finished Grade Elevation **VARIES**
Top of Distribution Pipe or Proprietary device **SEE BELOW**
Bottom of Disposal Area

ELEVATION REFERENCE POINT

Location and Description:
FLAGGED NAIL IN 12 INCH DIAMETER PINE TREE, 2 FEET ABOVE GROUND
Reference Elevation is: **00.0'**

DISPOSAL AREA CROSS SECTION



Scale:
Vertical: 1 inch = 5 Ft.
Horizontal: 1 inch = 10 Ft.

ROW	BOTTOM OF CHAMBER	TOP OF CHAMBER
1	-48"	-32"
2	-58"	-42"
3	-68"	-52"

USE 16 INCH "HIGH CAPACITY" CHAMBERS

CONSTRUCT 18 INCH HIGH STONE WALL, 20 FEET FROM DISPOSAL SYSTEM, IN AREA SHOWN ABOVE. GRADE TO TOP OF STONE WALL

REMOVE STUMPS AND VEGETATION FROM THE DISPOSAL AREA.
SCARIFY ENTIRE FILL AREA.
MIX 4 INCHES OF FILL MATERIAL THOROUGHLY WITH EXISTING SOIL TO FORM A TRANSITION ZONE (ACCORDING TO SECTION 11, PLUMBING CODE)
ALL FILL SHALL BE GRAVELLY COARSE SAND
SLOPE FINISH GRADE AS SHOWN
LOAM, SEED, MULCH DISTURBED AREAS

WILLIAM P BROWN *William P Brown*
Site Evaluator Signature

188
SE #

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Date