

**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
Street or Road	14 Red Maple Lane
Subdivision, Lot #	Parcel 1

AUGUSTA  
Date Permitted Issued: 1/7/2000  
Local Plumbing Inspector Signature: *[Signature]*  
4717 TOWN COPY  
\$1017.00 FEE Double Fee Charged  
L.P.I. # 850

**OWNER/APPLICANT INFORMATION**

Name (last, first, MI)	Purington, Rick	<input checked="" type="checkbox"/> Owner	<input type="checkbox"/> Applicant
Mailing Address of	328 Eastern Avenue Augusta, ME 04330	<input checked="" type="checkbox"/> Owner	<input type="checkbox"/> Applicant
Daytime Tel. #	623-1021		

**Owner/Applicant Statement**  
I state 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.  
Signature of Owner/Applicant: *[Signature]* Date: 7-24-01

**Caution: Inspections Required**  
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.  
Local Plumbing Inspector Signature: *[Signature]* (1st) Date Approved: 1/27/00  
(2nd) Date Approved:

**PERMIT INFORMATION**

<b>TYPE OF APPLICATION</b> 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"/> One-time exempted b. <input type="checkbox"/> Non-exempted 4. <input type="checkbox"/> Experimental System 5. <input type="checkbox"/> Seasonal Conversion	<b>THIS APPLICATION REQUIRES</b> 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. <input type="checkbox"/> 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	<b>DISPOSAL SYSTEM COMPONENT(S)</b> 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 Treatment Tank (only) 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
<b>SIZE OF PROPERTY</b> _____ sq. ft. _____ 5 <input checked="" type="checkbox"/> acres	<b>DISPOSAL SYSTEM TO SERVE:</b> 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	<b>TYPE OF WATER SUPPLY</b> 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: _____
<b>SHORELAND ZONING</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

**DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)**

<b>TREATMENT TANK</b> 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	<b>DISPOSAL AREA TYPE/SIZE</b> 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.	<b>GARBAGE DISPOSAL UNIT</b> 1. <input type="checkbox"/> No 3. <input checked="" type="checkbox"/> Maybe 2. <input type="checkbox"/> Yes >> (specify one below): <input type="checkbox"/> Multi-compartment tank <input type="checkbox"/> Tanks in series <input type="checkbox"/> Increase in tank capacity <input type="checkbox"/> Filter on tank outlet	<b>DESIGN FLOW</b> 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--
<b>SOIL DATA &amp; DESIGN CLASS</b> PROFILE CONDITION DESIGN 3 / C / 3C at Observation Hole # TP 1 Depth: 15" Elevation: n/a OF MOST LIMITING SOIL FACTOR	<b>DISPOSAL FIELD SIZING</b> 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.	<b>PUMPING</b> 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	3. <input type="checkbox"/> Section 503.0 (meter read.) ATTACH WATER-METER DATA

**SITE EVALUATOR STATEMENT**

I Certify that on January 1, 2000 (date) I completed a site evaluation on this project and state that the data reported is accurate and 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]*  
Kane P. Coffin, an agent of Coffin Engineering & Surveying

SE #331  
Licensed Site Evaluator

January 4, 2000  
Date

Coffin Engineering & Surveying  
(207) 623-9475

RR 7, Box 887A  
Augusta, Maine 04330

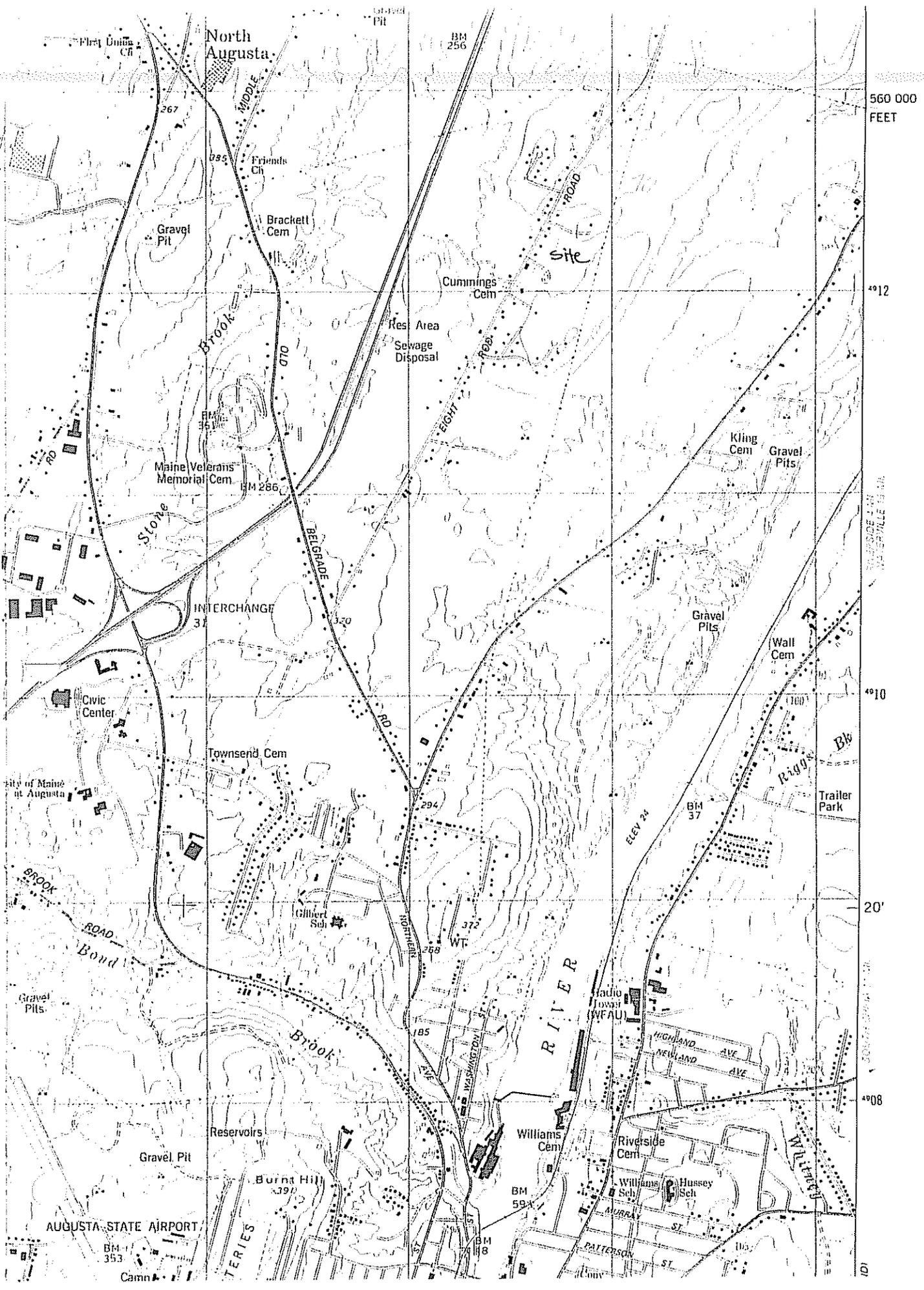
See back of this form for conditions of permit

## ATTACHMENT FOR HHE-200 FORM

1. The OWNER/APPLICANT, by signing the front of this form, agrees to provide payment for services rendered as quoted and billed by COFFIN ENGINEERING & SURVEYING (CE&S). Payment on all billings are due within 30 days of billing date, otherwise a late charge of 1.5% per month (18% per year), simple interest, will be added to the total amount. In the event that any portion, or all of the final billing, remains unpaid for a period of 60 days, the OWNER/APPLICANT shall pay all costs of collection, including actual attorney's fees, court costs, CE&S's cost to collect bill. PLEASE NOTE THAT THE PERSON SIGNING THIS FORM UNDER OWNER/APPLICANT IS RESPONSIBLE FOR PAYMENT OF SERVICES AND SHOULD CONTACT CE&S IF HE/SHE HAS NOT RECEIVED A BILL.
2. All construction shall conform with Title 22 MRSA, §42, 10-144A CMR 241 "Maine-Subsurface Waste Water Disposal Rules," and all other pertinent sections. The OWNER/APPLICANT is responsible for the contractor installing the proposed septic system correctly and for obtaining all necessary permits. The OWNER/APPLICANT shall carefully examine all documents submitted by CE&S and promptly notify CE&S upon becoming aware of any defects. The OWNER/APPLICANT agrees to limit the liability of the site evaluator and/or CE&S to the amount of the total fee paid to CE&S.
3. This disposal system form shall not be transferable and becomes invalid if the authorized work has not commenced within two years after the issue date of the disposal system.
4. The OWNER/APPLICANT shall accurately describe the intended uses (present and future) for the system to the site evaluator. By signing the front of this form, the OWNER/APPLICANT agrees that the uses shown on said form is what was described to the site evaluator. Any change from the intended use described on this form requires a new design. Applicability of design must be reevaluated when location of structures are substantially different than those shown on the site plan or when other structures, additions, or appurtenances (i.e. swimming pools, garbage disposals) are considered. Property lines shown are as provided by the owner, or his agent and no guarantee of accuracy is implied. Actual property lines must be confirmed by a boundary survey.

## INSTALLATION REQUIREMENTS

1. SETBACKS (under 1000 gpd) - Keep tank and leach fields 100 feet from wells, 50 feet from minor water courses, 100 feet from major water courses, and 10 feet from property lines, unless noted elsewhere on the forms. Septic tanks shall be a minimum of 8 feet from buildings and leach fields shall be 20 feet from buildings with basements and 15 feet from buildings with no full basement.
2. DRAINAGE - water runoff and drainage from basements, footings, or roofs shall not drain into the septic system and shall be diverted away from the disposal field.
3. DISCHARGE - hot tubs shall not discharge into any disposal system utilized for any other waste water, but may be discharged into a separate laundry disposal field. No paint, paint thinner, commercial grease and oil, darkroom chemicals, etc. shall be disposed of in the disposal field.
4. CONDITIONS - excavations shall not be carried out when the soil moisture content is above the plastic limit. Disposal fields should not be installed in frozen ground or when the ambient air temperature is below freezing.
5. SITE PREPARATION - prior to placing backfill material, the vegetation shall be cut and removed. In areas adjacent to water bodies or wetland, erosion and sediment control measures shall be employed. The area under the disposal field and backfill extensions shall be plowed or disked to produce a thoroughly roughened surface to a depth of 6 to 8 inches. Surface water shall be diverted away from the disposal field.
6. EXCAVATION - the bottom of the each disposal field shall be installed at the elevation specified on this form. Avoid compaction of both sidewalls and bottom area. Make sure heavy equipment is not driven over the exposed bottom of the disposal field. If any portion of the bottom or sidewalls becomes smeared or compacted, that portion must be scarified to reopen soil pores.
7. BACKFILLING - At least 4 inches of cover material, suitable for establishment of a good vegetative cover shall be placed over the entire filled area including the fill material extensions. Backfill material shall be a minimum of 8 inches in thickness and consist of a coarse sand to a gravelly coarse sand. Final grading shall be completed so that surface water will not collect over the disposal field. Immediately after completion of final grading, the fill material surface shall be stabilized by mulching and seeding to establish a good vegetative cover to prevent erosion. Grass, clover, trefoil, vetch, perennial wild flowers, or other herbaceous perennials may be utilized for disposal field surfaces. Woody shrubs or trees are unacceptable on disposal field surfaces.
8. SEPTIC TANK - The septic tank must be installed level and all joints, inspection covers, etc. must be water tight (the same is necessary for a pump tank if the system requires one). The outlet invert elevation should be equal to or higher than the finish grade of the septic field to avoid flooding of the tank and solids entering the field. Install a Zabel Industries, Inc. filter or equivalent on the outlet end of the septic tank when possible. Provide low profile septic tank when determined as necessary in the field. Septic tanks should be pumped out and checked every three years or more often to prolong the life of the waste water system.
9. FREEZING - Protect tanks, force mains, pump stations, D-boxes, etc. from freezing by either adequate ground cover or insulating.
10. The LPI shall inform the owner and designer of any local ordinance exceeding the Rules (Chapter 241) prior to issuing a permit, so that the application may be properly amended to conform to such ordinances.



560 000  
FEET

40°12

40°10

20'

40°08

101

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

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

Town, City, Plantation

Street, Road Subdivision

Owner's Name

Augusta

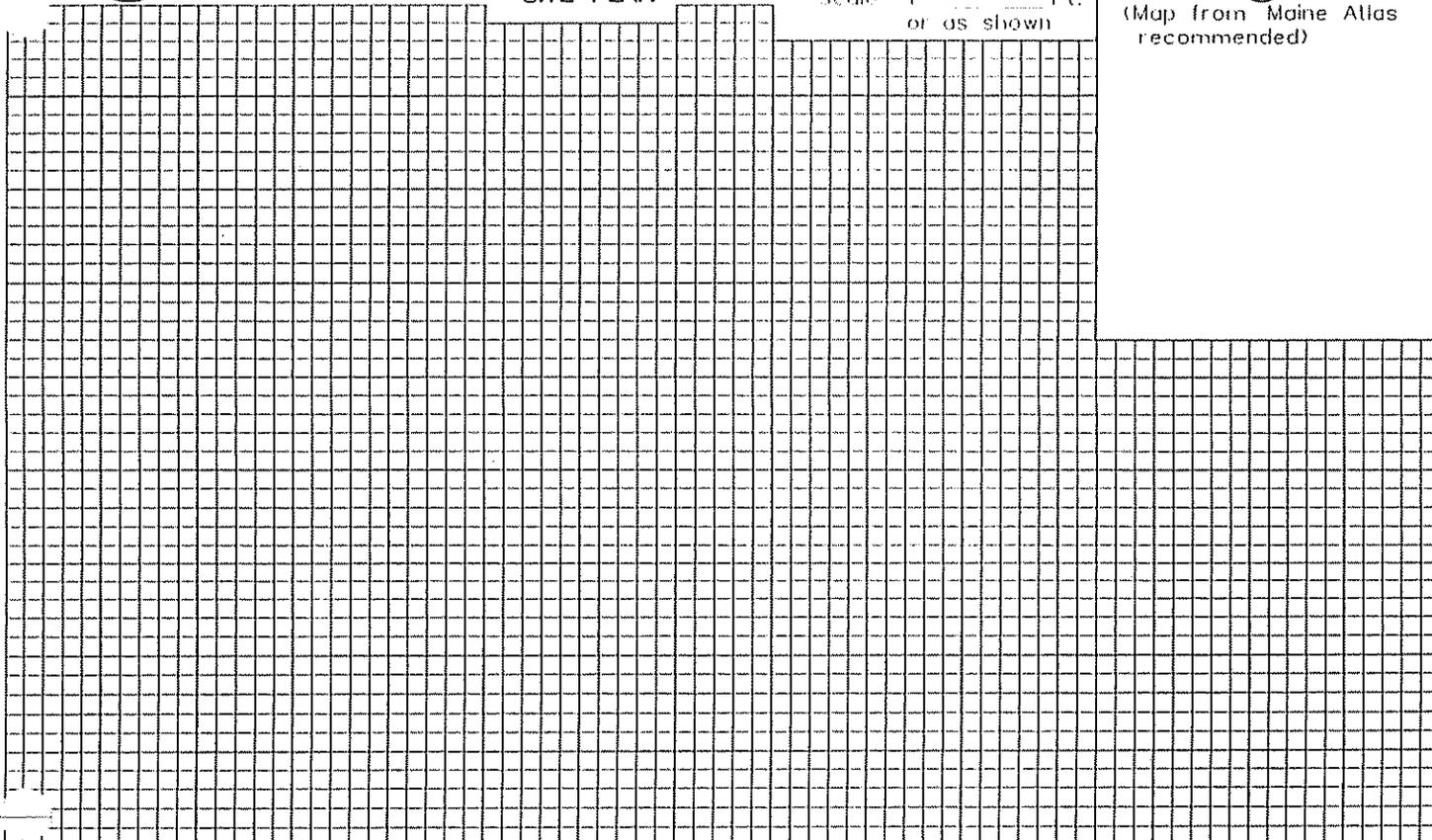
Red Maple Lane

Rick Burlington

SITE PLAN

Scale 1" = \_\_\_\_\_ Ft.  
or as shown

SITE LOCATION PLAN  
(Map from Maine Atlas recommended)



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

Observation Hole \_\_\_\_\_  Test Pit  Boring  
\_\_\_\_\_ " 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	Sandy loam		dk brown	none
5			grey	
10		friable	dk yel br.	
15			yel br.	
20	fine sandy loam		light olive brown	faint distinct
30		firm		
40				
50				

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

Soil Classification: 3 Profile, C Condition, Slope 1 %  
Limiting Factor: 15 "  
 Ground Water  
 Restrictive Layer  
 Bedrock  
 Pit Depth

Soil Classification: \_\_\_\_\_ Profile, \_\_\_\_\_ Condition, Slope \_\_\_\_\_ %  
Limiting Factor: \_\_\_\_\_ "  
 Ground Water  
 Restrictive Layer  
 Bedrock  
 Pit Depth

*Kane P. Coffin*  
Site Evaluator Signature

331  
SE

1/4/00  
Date



SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services  
Division of Health Engineering

Town, City, Plantation  
AUGUSTA

Street, Road, Subdivision  
RED MAPLE LANE

Owner's Name  
RICK PURINGTON

SUBSURFACE WASTEWATER DISPOSAL & SITE PLAN

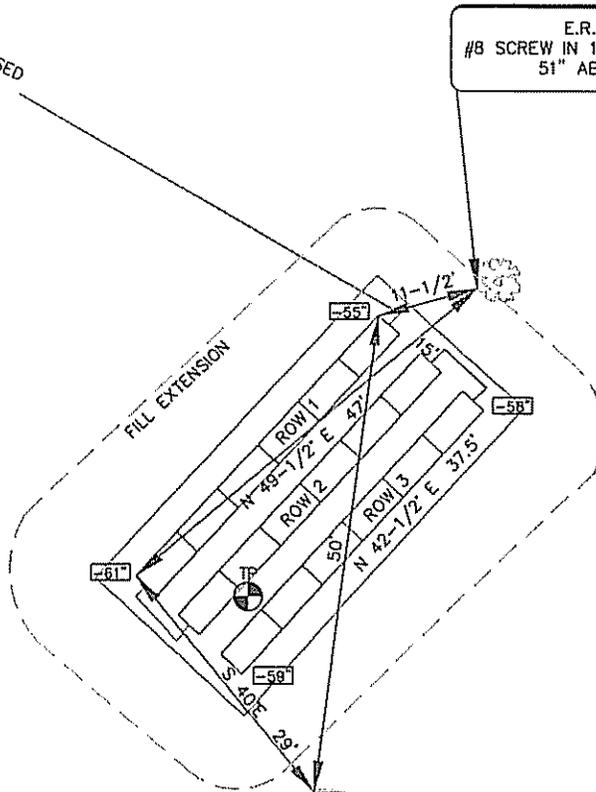
Scale: 1" = 20 feet



TO PROPOSED  
3 BEDROOM  
HOUSE

E.R.P. EL=00"  
#8 SCREW IN 11" WHITE BIRCH TREE  
51" ABOVE GROUND

INSTALL 3 ROWS OF 6 (18)  
PLASTIC CHAMBERS (STANDARD  
BIO-DIFFUSERS OR HIGH-  
CAPACITY INFILTRATORS)



TIE NAIL  
#8 SCREW (WITHOUT HEAD)  
IN 9" OAK TREE  
50" ABOVE GROUND

Site Evaluator's Signature

*James P. Coffin*

SE # 331

Date: 1/04/00

HHE-200

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Town, City, Plantation  
**AUGUSTA**

Street, Road, Subdivision  
**RED MAPLE LANE**

Owner's Name  
**RICK PURINGTON**

**FILL REQUIREMENTS**

Depth of Fill (Upslope) 22-28"  
Depth of Fill (Downslope) 23-24"

**CONSTRUCTION ELEVATIONS**

Reference Elevation is 00"  
Bottom of Disposal Area n/a  
Top of Chambers n/a

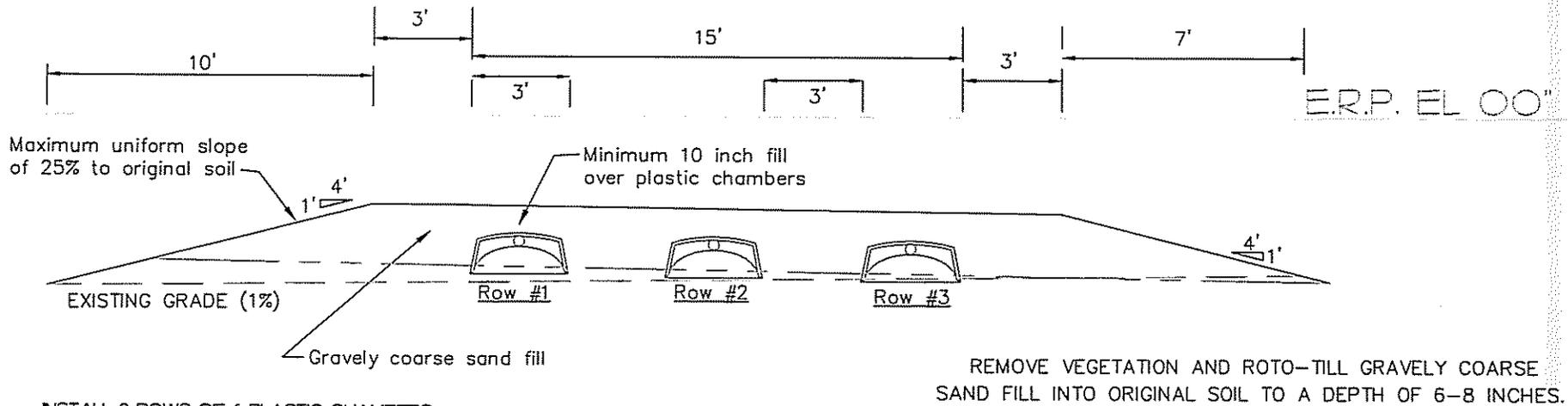
**ELEV. REF. PT:**

50d nail in 18" Maple  
7" above ground (South side)

**SCALE:**

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

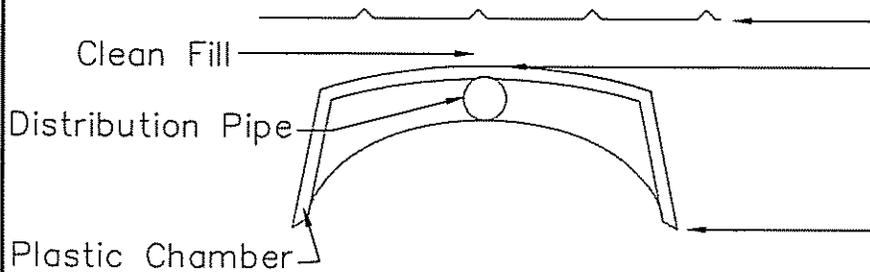
**DISPOSAL AREA CROSS SECTION**



INSTALL 3 ROWS OF 6 PLASTIC CHAMBERS  
(STAND. BIODIFFUSERS OR HIGH CAP. INFILTRATORS)

Elevations for:

Row #1	Row #2	Row #3
-33"	-34"	-35"
-43"	-44"	-45"
-58"	-59"	-60"



**DETAIL (no scale)**

Site Evaluator's Signature *James P. Coffey* SE # 331

Date: 1/04/00

**HHE-200**