

2  
213  
Sub lot 7

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

**SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION**

**PROPERTY LOCATION** >> Caution: Permit Required - Attach in Space Below <<

City, Town, or Plantation: Augusta  
Street or Road: Red Maple Lane  
Subdivision, Lot #: Parcel #4

AUGUSTA 4837 TOWN-COPY  
Date Permit Issued: 3/13/02 \$ 100.00  Double Fee Charged  
Local Plumbing Inspector Signature: [Signature] L.P.I. #: [Signature]

**OWNER/APPLICANT INFORMATION**  
Name (last, first, MI): Coniff, Greg  Owner Applicant  
Mailing Address of Owner/Applicant: 15 McKenna Drive Randolph, ME 04346  
Daytime Tel. #: 582-9634

Municipal Tax Map #: 2 Lot #: 312

**Owner/Applicant Statement**  
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.  
Signature of Owner/Applicant: [Signature] Date: 3/13/02

**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.  
(1<sup>st</sup>) Date Approved: 6/13/02  
Local Plumbing Inspector Signature: \_\_\_\_\_ (2<sup>nd</sup>) 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  
5.  Minimum Lot Size Variance  
6.  Seasonal Conversion Variance

**DISPOSAL SYSTEM COMPONENT(S)**  
1.  Complete non-Engineered System  
2.  Primitive System (graywater & alt toilet)  
3.  Alternative Toilet, specify: \_\_\_\_\_  
4.  Non-Engineered Disposal Area  
5.  Holding Tank, \_\_\_\_\_ gallons  
6.  Non-Engineered Disposal Field (only)  
7.  Separated Laundry System  
8.  Complete Engineered System (+2000 gpd)  
9.  Engineered Treatment Tank (only)  
10.  Engineered Disposal Field (only)  
11.  Pre-treatment, specify: \_\_\_\_\_  
12.  Miscellaneous components

**SIZE OF PROPERTY**  
 sq. ft.  
5  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: \_\_\_\_\_

**TYPE OF WATER SUPPLY**  
1.  Drilled Well 2.  Dug Well 3.  Private  
4.  Public 5.  Other: \_\_\_\_\_

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

**TREATMENT TANK**  
1.  Concrete  
 Regular  
 Low Profile  
2.  Plastic  
3.  Other: \_\_\_\_\_  
CAPACITY: 1000 Gallons

**DISPOSAL AREA TYPE/SIZE**  
1.  Stone Bed 2.  Stone Trench  
3.  Proprietary Device  
 Cluster array  Linear  
 Regular load  H-20 load  
4.  Other: \_\_\_\_\_  
SIZE: 891  sq. ft.  lin. ft.

**GARBAGE DISPOSAL UNIT**  
1.  No 2.  Yes 3.  Maybe  
If Yes or Maybe, specify one below:  
 Multi-compartment tank  
 \_\_\_\_\_ Tanks in series  
 Increase in tank capacity  
 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-

**SOIL DATA & DESIGN CLASS**  
PROFILE CONDITION DESIGN  
2 / AIID / 2AIID  
at Observation Hole # TP-2  
Depth: 12"  
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.

**PUMPING**  
1.  Not required  
2.  May be required  
3.  Required >> Specify only for engineered or experimental systems  
Dose \_\_\_\_\_ Gallons

3.  Section 503.0 (meter read.)  
ATTACH WATER-METER DATA

**SITE EVALUATOR STATEMENT**

I Certify that on March 5, 2002 (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).

Kane A Coffin  
Kane A Coffin, an agent of Coffin Engineering & Surveying

SE #331  
Licensed Site Evaluator

March 10, 2002  
Date

Coffin Engineering & Surveying, INC.  
432 Cony Road P.O. Box 4687  
Augusta, Maine 04330-1687

(207) 623-9475 or 1-800-244-9475

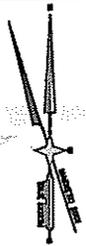
Fax (207)623-0016

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

See back of this form for conditions of permit

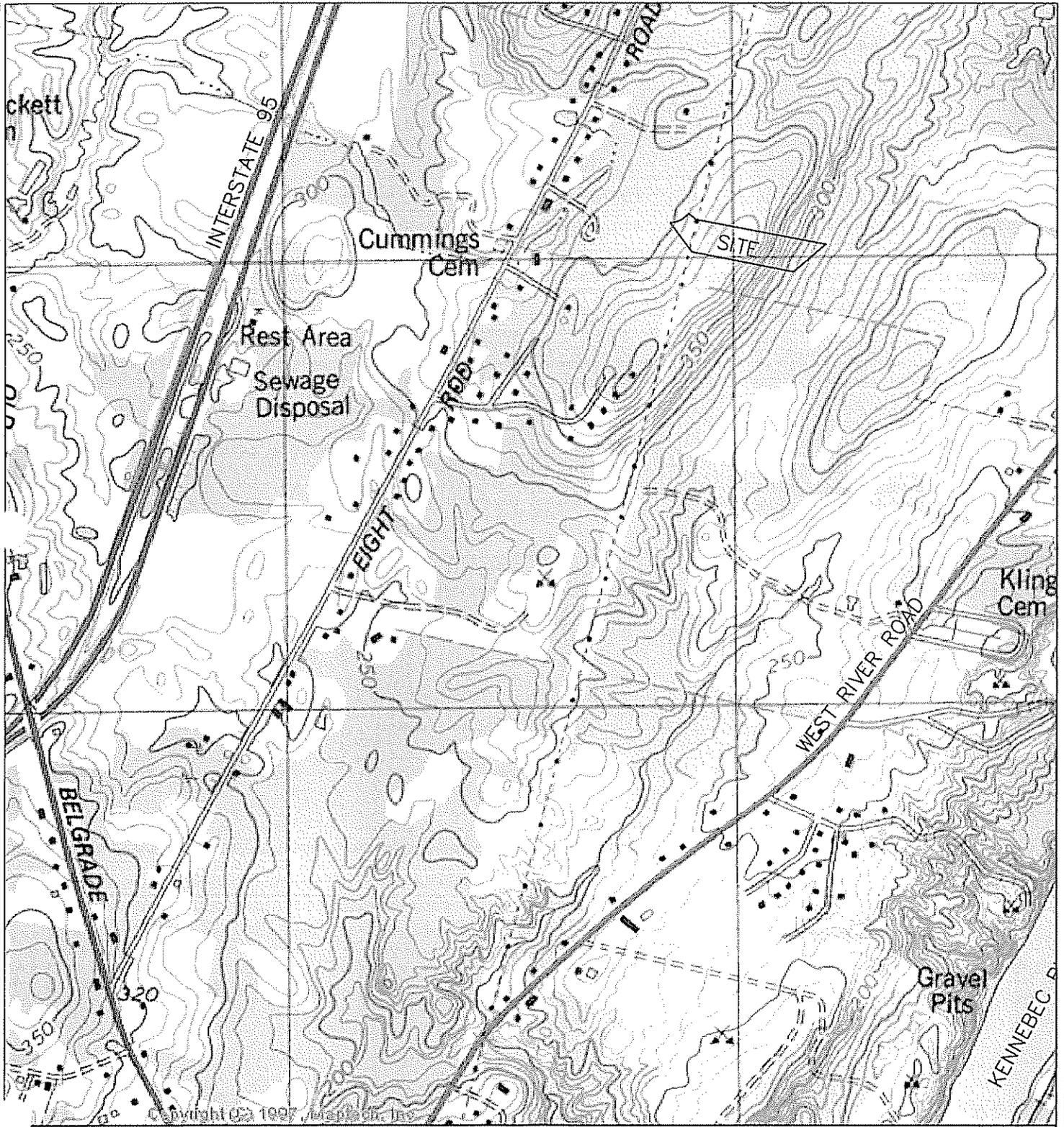
## ATTACHMENT FOR HHE-200 FORM

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 a final billing, remains unpaid for a period of 60 days, the OWNER/APPLICANT shall pay all costs of collection, including a reasonable 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 and to a limit of five years from the date of this form. Visits to the site will be for information purposes only. CE&S will not be responsible for any site inspection duties.
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 from those shown on the site plan or when other structures, additions, or appurtenances (i.e. swimming pools, garbage disposals) are considered.
5. 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.
6. The most recent revision of the Maine State Plumbing Code is hereby made a part of this HHE-200 Form and shall be consulted by the disposal system installer for further construction details, material specifications, cautions, and other related details pertinent to the installation of this disposal system.
7. This HHE-200 form is intended to represent facts pertinent to the Plumbing Code only. The owner/applicant must check local, state, and federal regulations before considering this an approvable site. All information shown on this form relating to property lines, structures, and subsurface structures (such as, but not limited to water lines, septic tanks, cess pools, cellar drains, utility lines, wells, leach fields, etc.) are noted, shown, or left off as not affecting the system based on information provided by the owner/applicant or his agent. The OWNER/APPLICANT acknowledges and understands that CE&S's submissions may represent imperfect data and may contain errors, omissions, conflicts, inconsistencies, code violations, and improper use of materials. Such deficiencies will be corrected when identified. The OWNER/APPLICANT agrees to carefully study and compare the submissions and report at once in writing to CE&S any deficiencies discovered. The OWNER/APPLICANT further agrees to require each contractor and subcontractor to likewise study the submissions and report at once any deficiencies discovered. It is the responsibility of the owner/applicant or his agent to confirm, BEFORE CONSTRUCTION BEGINS, the above and/or any other features which may affect (or be adversely affected by) the installation of this system.
8. When a gravity system is proposed, BEFORE CONSTRUCTION BEGINS, the disposal system installer and building contractor shall review the relative elevation of all points given in the this HHE-200 Form and the elevation of the existing or proposed building drain and septic tank openings for compatibility to the minimum code pitch requirements. Any questions that arise should be directed to the local plumbing inspector or designer. When a pump system is installed, provisions shall be made to keep the tank and lift station outlets above the high water table.
9. The Septic System Owner's Manual written by the designer is made a part of this HHE-200 Form and shall be consulted by the owner/applicant and disposal system installer for other facts pertinent to the installation and operation of this disposal system.
10. The OWNER/APPLICANT bears the responsibility to show the location of property lines, subsurface structures (such as, but not limited to water lines, septic tanks, cess pools, cellar drains, utility lines), and wells to the Site Evaluator. Actual property lines must be confirmed by a boundary survey. By signing the front of this form, the OWNER/APPLICANT agrees that the property lines and wells on the accompanying plan(s) are shown correctly and any discrepancy found in the future is the responsibility of the OWNER/APPLICANT.
11. The actual water flow or number of bedrooms shall not exceed the design criteria indicated on this HHE-200 Form without a re-evaluation of the system.
12. CE&S is not responsible for the actions of others, who affect the ultimate cost of the PROJECT; by vandalism, marker removal, changes in scope of work, approval agencies, redesign of septic system, etc. (OWNER/APPLICANT to be notified of any cost increase).
13. The laws of Maine will apply concerning the interpretation and performance of this AGREEMENT. If an item in this AGREEMENT is found to be in violation of any prevailing laws, it will not void the entire AGREEMENT. This AGREEMENT is superior and over-rides any Standard Subcontract Agreement signed by the parties involved in this AGREEMENT for this PROJECT when referenced in said Standard Subcontract Agreement.
14. CE&S is responsible for the actions of its' employees only. Insurance is provided for: vehicles, general liability, errors and omissions, and workman's comp. All other entities on the site are responsible for their own safety, work product, actions, conduct, etc.
15. CE&S is not responsible for any actual, alleged, or threatened, pollutant damage in regard to the services performed. Pollutants are defined as any environmentally threatening contaminants commonly regulated in this state.
16. In the event that the OWNER/APPLICANT hires subcontractors, workers, orders material, etc., and governs, directly or indirectly, the overall operation on the work site; then the OWNER/APPLICANT is deemed to be acting as his own general contractor, having the greater responsibility for the work site.
17. Other than the procedure of collections described above in (1), should the parties of this AGREEMENT have differences involving either the work site, or the PROJECT, that cannot be resolved between them; then the procedures of Alternate Dispute Resolution will be the only method of resolving those differences.



# SITE LOCATION MAP

SCALE 1" = 1000'



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HHE-200



50 D LINDEN ST.  
AUGUSTA, ME  
04330-1227  
1-800-244-4476

DESIGNER: **GREG CONIFF**  
PROJECT: **SEPTIC DESIGN**

LOCATION: **RED MAPLE LANE**

TOWN: **AUGUSTA** COUNTY: **KENNEBEC** STATE: **MAINE**

DATE: **MARCH 10, 2002**

SCALE: **AS SHOWN**

TITLE: **SITE LOCATION MAP**



UNITED STATES GEOLOGICAL SURVEY WASHINGTON, D. C.	Geological Survey Topographic Map	1:50,000
Scale 1:50,000 Vertical Datum: Mean Sea Level	Horizontal Datum: NAD 83	Sheet 1 of 1

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

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

Town, City, Plantation

Augusta

Street, Road, Subdivision

Red Maple Lane

Owner's Name

Greg Coniff

SITE PLAN

Scale: 1" = \_\_\_ feet

TEXTURE

TEXTURE TERMS

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

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

MODIFIER TERMS

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

MOTTLING

CONTRAST  
 Faint  
 Distinct  
 Prominent

ABUNDANCE  
 None  
 Few-1-20%  
 Common-2-20%  
 Many->20%

CONSISTENCE

TERMS  
 Loose  
 Friable  
 Firm  
 Very Firm  
 Cemented

SOIL DESCRIPTION AND CLASSIFICATION

Observation Hole TPI  Test Pit  Boring  
3/4" Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL (INCHES)	Texture	Consistency	Color	Mottling
0	fine sandy loam	friable	dk br. dk yel. brown	none
10			yellow brown	
20			light olive brown	common distinct
30	BED ROCK			
40				
50				

Soil Classification B2 A11C Slope 8%  
 Profile Condition 8 Limiting Factor 15"  
 Ground Water  
 Restrictive Layer  
 Bedrock  
 Pit Depth

Observation Hole T22  Test Pit  Boring  
3/4" Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL (INCHES)	Texture	Consistency	Color	Mottling
0	fine sandy loam	friable	dark yel. br. yel. br.	none
10			H. olive br.	common
20	very fine sandy loam		olive	distinct
30	BED ROCK			
40				
50				

Soil Classification Z A11D Slope 8%  
 Profile Condition 8 Limiting Factor 12"  
 Ground Water  
 Restrictive Layer  
 Bedrock  
 Pit Depth

Site Evaluator's Signature James P. Coniff SE # 331

Date: 3/10/02

HHE-200



**SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION**

Department of Human Services  
Division of Health Engineering

Town, City, Plantation

Street, Road, Subdivision

**Augusta**

**Red Maple Lane**

Owner's Name

**Greg Coniff**

**FILL REQUIREMENTS**  
Depth of Fill (Upslope) 25--28"  
Depth of Fill (Downslope) 48--55"

**CONSTRUCTION ELEVATIONS**

Reference Elevation is 00"  
Bottom of Disposal Area -15"  
Top of distribution lines -04"

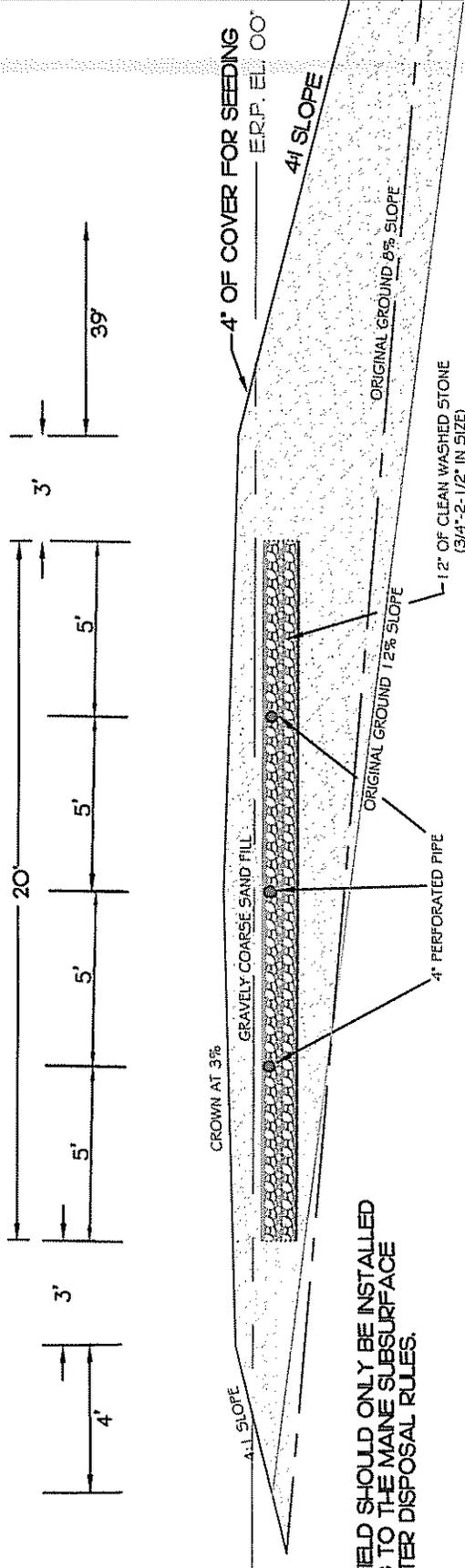
**ELEV. REF. PT:**

50d Spike in 5" White Birch Tree  
26" above ground

**DISPOSAL AREA CROSS SECTION**

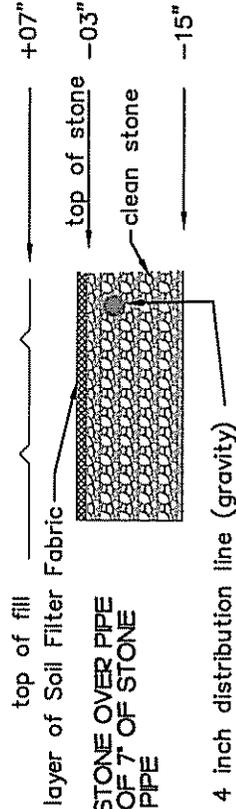
**SCALE:**

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



DISPOSAL FIELD SHOULD ONLY BE INSTALLED  
ACCORDING TO THE MAINE SUBSURFACE  
WASTE WATER DISPOSAL RULES.

E.R.P.  
elev.



REMOVE VEGETATION AND ROTO-TILL GRAVELLY COARSE  
SAND FILL INTO ORIGINAL SOIL TO A DEPTH OF 6-8 INCHES.

**INSTALL 20' BY 42' STONE BED**

**STONE BED DETAIL (no scale)**

Site Evaluator's Signature *Greg F. Coniff*

SE # 331

Date: 03/10/02

HHE-200



**SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION**

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

Town, City, Plantation

Street, Road, Subdivision

Owner's Name

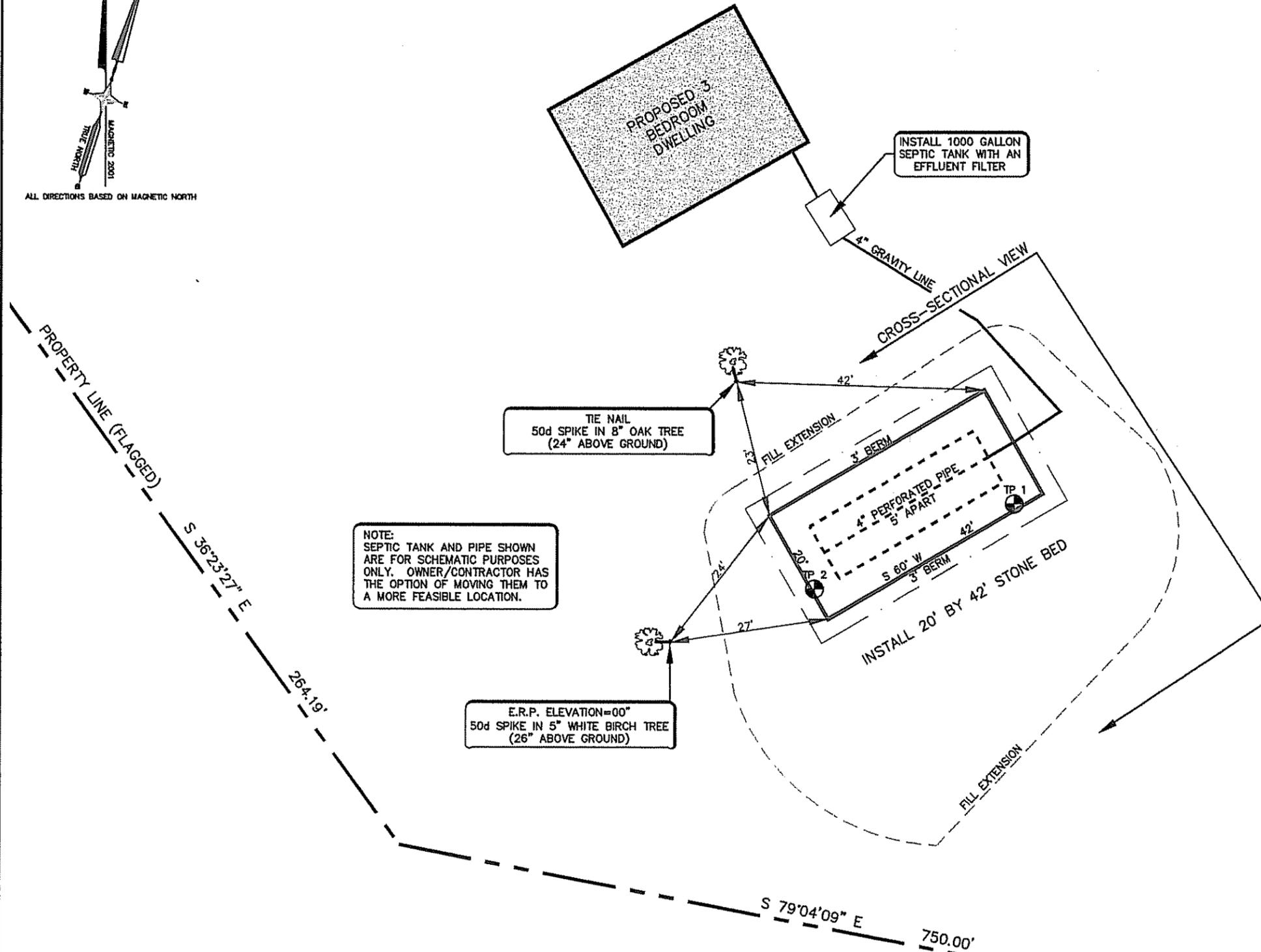
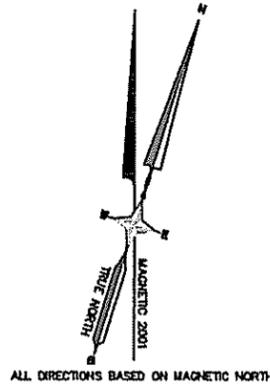
**Augusta**

**Red Maple Lane**

**Greg Coniff**

**SUBSURFACE WASTEWATER DISPOSAL PLAN**

SCALE: 1" = 20'



ELEVATION REFERENCE POINT	ELEVATION: 00'
	DESCRIPTION: 50d nail in 5" White Birch Tree (26" above ground)
SHEET TITLE:	PLAN VIEW
	SCALE: 1" = 20'
PROJECT:	GREG CONIFF
LOCATION:	RED MAPLE LANE
TOWN:	AUGUSTA
COUNTY:	KENNEBEC STATE MAINE
DATE:	MARCH 10, 2002
PROJECT ADDRESS:	580 UNION STREET AUGUSTA, ME 04301-1827 TEL: 1-800-214-9455 FAX: 1-800-255-4305
ENGINEERING & SURVEYING	<b>CONIFF</b> ENGINEERING & SURVEYING, LLC © 2002
PROJ. NO.	2002-088

Site Evaluator's Signature

*Greg P. Coniff*

SE # 331

Date: 03/10/02

HHE-200

