

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, Plantation	AUGUSTA		
Street or Road	329 CONY STREET-EXT.		
Subdivision, Lot #			
OWNER/APPLICANT INFORMATION			
Name (last, first, MI)	HUTCHINGS, ROSS	<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Applicant	
Mailing Address of	RR#7, BOX 2505		
<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Applicant	AUGUSTA, ME 04330		
Daytime Tel. #	622-9308	Municipal Tax Map # 10 Lot # 23+24A 24B	
Owner or Applicant Statement		Caution: Inspections Required	
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. Signature of Owner or Applicant: <u>Stephen P. Robbins</u> Date: <u>8/14/03</u>		I have inspected the installation authorized above and found it to be in compliance with the Subsurface Wastewater Disposal Rules Application. Local Plumbing Inspector Signature: <u>Gay R. Yule</u> (1st) Date Approved: <u>8/11/03</u> (2nd) Date Approved: <u>8/12/03</u>	

PERMIT INFORMATION

TYPE OF APPLICATION 1. <input checked="" type="checkbox"/> First Time System 2. <input type="checkbox"/> Replacement System Type Replaced: _____ Year Installed: _____ <input type="checkbox"/> Expanded System <input type="checkbox"/> One-time exempted <input type="checkbox"/> Non-exempted 4. <input type="checkbox"/> Experimental System 5. <input type="checkbox"/> Seasonal Conversion	THIS APPLICATION REQUIRES 1. <input type="checkbox"/> No Rule Variance 2. <input checked="" 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 4. <input type="checkbox"/> Minimum Lot Size Variance 5. <input type="checkbox"/> Seasonal Conversion Approval	DISPOSAL SYSTEM COMPONENT(S) 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 or more) 9. <input type="checkbox"/> Engineered Treatment Tank (only) 10. <input type="checkbox"/> Engineered Disposal Field (only) 11. <input checked="" type="checkbox"/> Pre-treatment, specify: <u>BI-2000</u> 12. <input type="checkbox"/> Miscellaneous components
SIZE OF PROPERTY <u>4.9</u> sq. ft. <input type="checkbox"/> <u>4.9</u> acres <input checked="" type="checkbox"/>	DISPOSAL SYSTEM TO SERVE 1. <input checked="" type="checkbox"/> Single Family Dwelling Unit, No. of Bedrooms: <u>3</u> 2. <input type="checkbox"/> Multiple Family Dwelling, No. of Units: _____ 3. <input type="checkbox"/> Other: _____ SPECIFY _____	
SHORELAND ZONING <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	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 1. <input checked="" type="checkbox"/> Concrete a. <input type="checkbox"/> Regular b. <input type="checkbox"/> Low Profile 2. <input type="checkbox"/> Plastic 3. <input type="checkbox"/> Other: _____ CAPACITY <u>1,000</u> gallons	DISPOSAL FIELD TYPE & SIZE 1. <input type="checkbox"/> Stone Bed 2. <input type="checkbox"/> Stone Trench 3. <input checked="" type="checkbox"/> Proprietary Device a. <input type="checkbox"/> Cluster array c. <input checked="" type="checkbox"/> Linear b. <input checked="" type="checkbox"/> Regular load d. <input type="checkbox"/> H-20 load 4. <input type="checkbox"/> Other: _____ SIZE <u>1500</u> sq. ft. <input type="checkbox"/> lin. ft.	GARBAGE DISPOSAL UNIT 1. <input checked="" type="checkbox"/> No 3. <input type="checkbox"/> Maybe 2. <input type="checkbox"/> Yes >> Specify one below: a. <input type="checkbox"/> Multi-compartment Tank b. <input type="checkbox"/> Tanks in Series c. <input type="checkbox"/> Increase in Tank Capacity d. <input type="checkbox"/> Filter on Tank Outlet	DESIGN FLOW <u>270</u> 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 -
SOIL DATA & DESIGN CLASS PROFILE CONDITION DESIGN <u>81D13</u> at Observation Hole # <u>1</u> Depth <u>10</u> - Elevation <u>-35</u> OF MOST LIMITING SOIL FACTOR	DISPOSAL FIELD SIZING 1. <input type="checkbox"/> Small -- 2.0 sq. ft./gpd 2. <input type="checkbox"/> Medium -- 2.6 sq. ft./gpd 3. <input type="checkbox"/> Medium-Large -- 3.3 sq. ft./gpd 4. <input checked="" type="checkbox"/> Large -- 4.1 sq. ft./gpd 5. <input type="checkbox"/> Extra Large -- 5.0 sq. ft./gpd	PUMPING 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 readings) ATTACH WATER-METER DATA

SITE EVALUATOR STATEMENT

I Certify that on 11 OCTO 1 (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).

Site Evaluator Signature: Stephen P. Robbins SE # 301 Date: 18 FEB 08
 STEPHEN P. ROBBINS
 BOX 271
 EAST BANGOR, ME 04923 Telephone # 377-6707

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

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

Town, City, Plantation
AUGUSTA

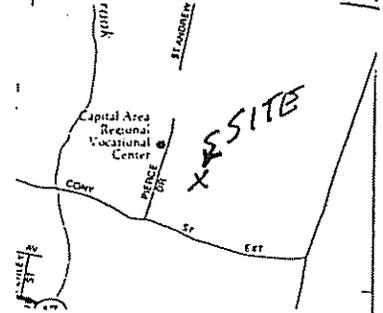
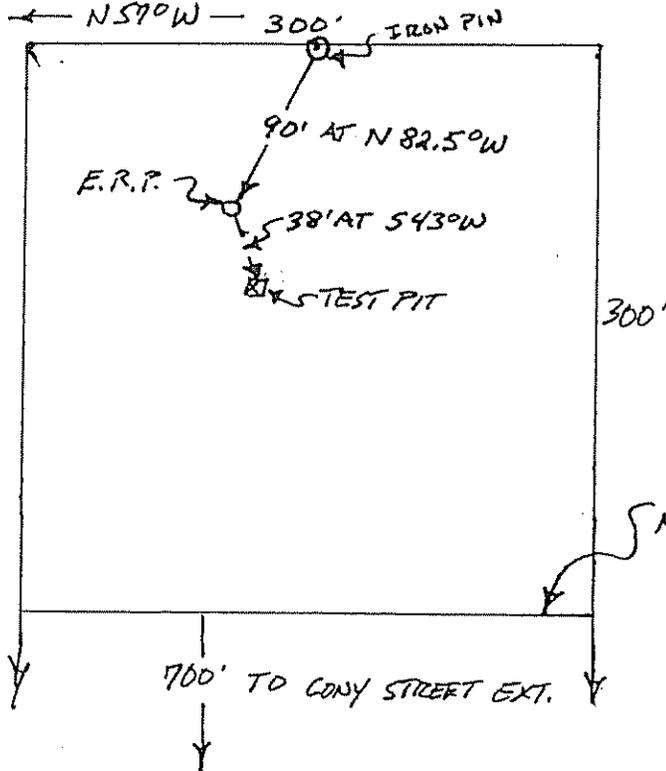
Street, Road Subdivision
CONY STREET EXT.

Owner's Name
ROSS HUTCHINGS

SITE PLAN

Scale 1" = 100 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
1 " Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (inches)	Texture	Consistency	Color	Mottling
0	SILT LOAM	FRIABLE	LIGHT BROWN	
10			DRIVE	COMMON
20	SILT	FIRM	DRIVE GRAY	
30				
40				
50				

Soil Classification S D	Slope 12 %	Limiting Factor 10 "	<input checked="" type="checkbox"/> Ground Water <input type="checkbox"/> Restrictive Layer <input type="checkbox"/> Bedrock <input type="checkbox"/> Pit Depth
Profile Condition			

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 Classification	Slope	Limiting Factor	<input type="checkbox"/> Ground Water <input type="checkbox"/> Restrictive Layer <input type="checkbox"/> Bedrock <input type="checkbox"/> Pit Depth
Profile Condition	%	"	

Steph P. Rubin
Site Evaluator Signature

301
SE

18 FEB 02
Date

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Town, City, Plantation

AUGUSTA

Street, Road, Subdivision

CONY STREET EXT.

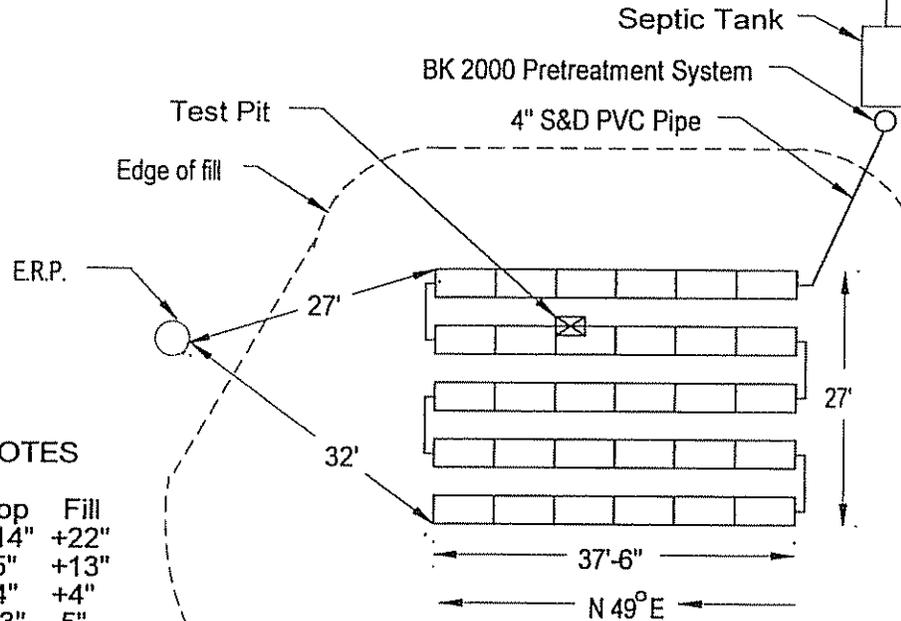
Owner's Name

ROSS HUTCHINGS

SUBSURFACE WASTEWATER DISPOSAL PLAN

SCALE 1" = *20* FT

4" sch. 40 PVC to proposed home



ELEVATION NOTES Chambers

Row	Bottom	Top	Fill
#1	-1"	+14"	+22"
#2	-10"	+5"	+13"
#3	-19"	-4"	+4"
#4	-28"	-13"	-5"
#5	-37"	-22"	-14"

FILL REQUIREMENTS

Depth of Fill (Upslope)

38"

Depth of Fill (Downslope)

38"

CONSTRUCTION ELEVATIONS

Finished Grade Elevation

Top of Distribution Pipe or Proprietary Device

Bottom of Disposal Area

NOTES ABOVE

ELEVATION REFERENCE POINT

Location & Description *NAIL IN 14"*

PINE 44" FROM GROUND

Reference Elevation *0*

DISPOSAL AREA CROSS SECTION

SCALE:

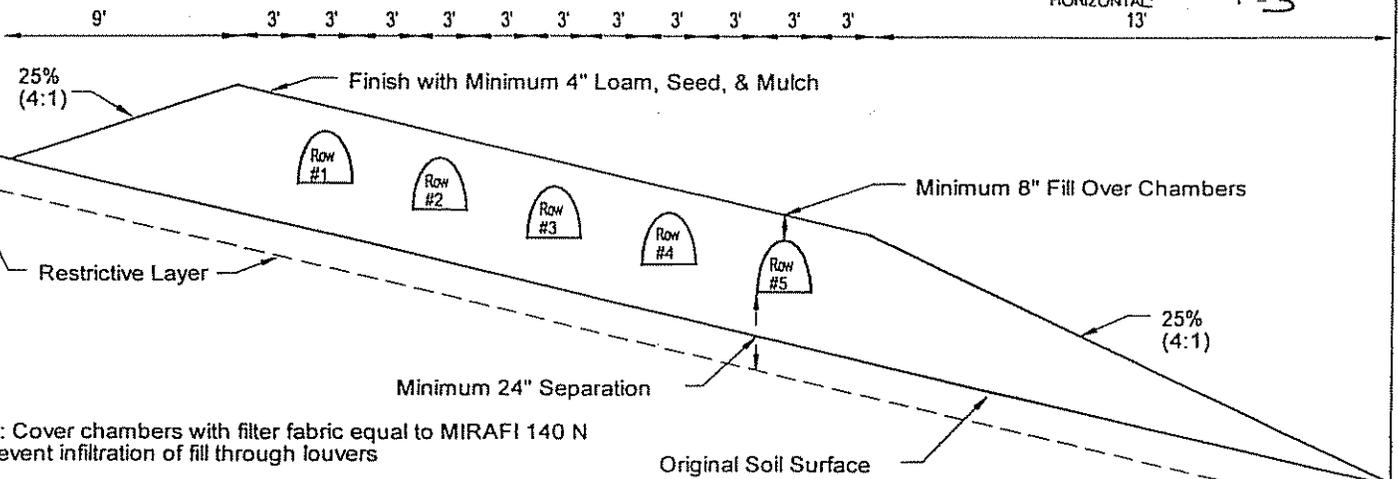
VERTICAL:

HORIZONTAL:

13'

1" = *5*

1" = *5*



Note: Cover chambers with filter fabric equal to MIRAFI 140 N to prevent infiltration of fill through louvers

Steph P. Ruben
Site Evaluator Signature

301

SE •

18 FEB 02

Date

Page 3 of *4*

HHE-200 Rev. 7/97

Town Address Owner

AUGUSTA

CONY STREET EXT.

ROSS HUTCHINGS

ATTACHMENT TO HHE-200

notes:

1. Construction to conform with "State of Maine Subsurface Wastewater Disposal Rules".
2. Property lines shown are as provided by owner, agent, or municipality. No guarantee of accuracy is implied. Actual property lines must be confirmed by survey.
3. Remove organic material and scarify/rototill/furrow area under drainfield and fill extensions.
4. Unless otherwise specified, all fill will be coarse sand to a gravely coarse sand. See Sec. 804.0 in the Maine State Plumbing Code for further clarification of fill requirements. In 8" lifts, compacted as placed. First lift to be thoroughly mixed with original soil.
5. Septic tanks and pump stations shall be installed watertight to prevent infiltration of ground and surface water.
6. Force mains, pump stations, and or gravity piping subject to freezing shall be adequately insulated.
7. Unless otherwise specified, **septic tank** to be located by contractor; at minimum; 8' to proposed or existing home and or buildings, 10' to property line & water supply line, 100' to all wells and shoreline. Owners well setback can be reduced to 75' if tested for water-tightness in presence of L.P.I. .
8. A septic tank outlet filter is recommended.
9. If replacement system with new tank, existing tank or cesspool to be filled with soil or removed. If existing tank is to be utilized, tank is to be thoroughly inspected for condition.
10. Unless otherwise specified, this plan does not allow the placement of pumps between the wastewater source and the septic tank.
11. Unless otherwise specified, disposal area to existing or proposed buildings setback is 20'.
12. Water from gutters, driveways, walks, and other surface water to be diverted away from system.
13. Loam, seed and mulch all disturbed areas to prevent erosion and facilitate runoff.
14. Unless otherwise specified, keep traffic heavier than lawn tractor away from all components of system.
15. Keep sanitary napkins, cigarette butts, coffee grounds, paper towels, grease, and nonbiodegradables out of system.
16. Many times it is impossible to locate water supplies. Property owner assumes responsibility of proper setback to any unknown water supplies.
17. Discharge from water treatment equipment and residential floor drains is not considered wastewater and must not be plumbed into septic system. This flow should be diverted into a separate drywell (Disposal area that does not require design or permit).
18. Plumbing fixtures must be strictly maintained to insure excess water does not enter septic system. Excess water can lead to premature clogging and total failure of disposal area.
19. Venting of disposal area is not required, but can facilitate biological action in disposal area.
20. Pumped systems will be equipped with audible high water alarm, wired to separate circuit as pump.
21. Take 3 copies of the plan to your local plumbing inspector for required permit.

22. BREAK UP + ROTOTILL SOIL

Stephen P. Robbins

S.E.#301

Date 18 FEB 02

Page 4 of 4

S.P.R.



STATE OF MAINE
 DEPARTMENT OF HUMAN SERVICES
 DIVISION OF HEALTH ENGINEERING
 11 STATE HOUSE STATION
 AUGUSTA, MAINE
 04333-0011

JOHN ELIAS BALDACCI
 GOVERNOR

May 7, 2003

*TDW copy
 1/20/03*

Ross Hutchings
 RR 7 Box 2505
 Augusta ME 04330

Subject: Approval, First Time System Variance Request, Hutchings property, Off Cony Street Extension, Augusta

Dear Mr. Hutchings:

The Division has reviewed a First Time System Variance Request for the subject property. The proposal is to install a subsurface wastewater disposal system to serve a three-bedroom single-family dwelling. The state variance requested is to allow the installation of the system in soils with 10 inches to the ground water table. The system design, prepared by Stephen Robbins, SE, dated February 18, 2002, includes an increase in disposal area, an increase in vertical separation and additional treatment measures to achieve the required First Time System Variance Total Point Assessment. The design is otherwise found to be in compliance with the Maine Subsurface Wastewater Disposal Rules.

We approve the requested variance with the following requirements:

1. A permit for system installation shall be obtained from the Local Plumbing Inspector in advance of the start of system construction.
2. The system shall be installed in accordance with the submitted and approved system design. Should alterations be required at the time of system installation, the system designer must be notified prior to making any changes.
3. The variance approval is based only on the rules administered by this department. The approval of the variance request does not relieve the property owner from compliance with all other state and local requirements pertaining to the installation, use, and operation of the wastewater disposal system.

By accepting this approval and the associated plumbing permit, the owner agrees to comply fully with the conditions of approval and the Subsurface Wastewater Disposal Rules.

Because installation and owner maintenance has a significant effect on the working order of onsite sewage disposal systems, including their components, the Division makes no representation or guarantee as to the efficiency and/or operation of the system.

Should you or others have any questions regarding this review and/or approval, please feel free to contact me at 287-5687.

Sincerely,

Linda S. Robinson

Linda S. Robinson, Environmental Specialist II
 Wastewater & Plumbing Control Program
 Division of Health Engineering
 E-mail: linda.robinson@maine.gov

/lsr
 cc: Gary Fuller, LPI
 Stephen Robbins, SE



PRINTED ON RECYCLED PAPER

FIRST TIME SYSTEM VARIANCE REQUEST

This form shall accompany an Application (HHE-200) for a proposed first time system which requires a Variance to provisions of the Subsurface Wastewater Disposal Rules.
 The local plumbing inspector shall not issue a permit for the installation of a first time subsurface wastewater disposal system requiring a variance from the Department of Human Services until approval has been received from them.

GENERAL INFORMATION	
Permit No. <u>5074</u>	Town of <u>AUGUSTA</u>
Property Owner's Name: <u>ROSS HUTCHINGS</u>	Date Permit Issued <u>5-7-03</u>
System's Location: <u>OFF CORY STREET EXTENSION</u>	Tel. No.: <u>471-4932</u>
Property Owner's Address: <u>RR #7 BOX 2505, AUGUSTA, ME 04330</u>	
(if different from above) _____	

VARIANCE CONDITIONS

The Department has the authority to vary the requirements of the Rules in accordance with Section 105.2 of the Rules CMR 241 if all the following criteria are satisfied:

- a. The variance request has the approval of the LPI.
- b. The Municipal Officials have indicated that the variance does not conflict with any local wastewater disposal ordinances.
- c. The variance request demonstrates that there is no practical alternative for wastewater disposal, such as access to public sewer or the potential for an easement.
- d. The proposed system does not conflict with any provision controlling subsurface wastewater disposal in the Shoreland Zone.
- e. The site offers potential for a system which will dispose of the wastewater with minimal threat to public health, safety, or welfare.
- f. The property owner has indicated an awareness of the variance and any limitations or added costs the proposed system may require.

SOIL, SITE AND ENGINEERING FACTORS FOR NEW SYSTEM VARIANCE ASSESSMENT (SEE TABLES 1900.1-1900.11)

Soil Profile	CHARACTERISTIC	POINT ASSESSMENT
Depth to Groundwater/Restrictive Layer	8 10"	10 3
Terrain	SIDE SLOPE	3
Size of Property	+2AC > 50'	2
Waterbody Setback	> 250'	5
Water Supply	DRILLED	3
Type of Development	RESIDENTIAL	0
Disposal Area Adjustment	+33%	5
Vertical Separation Adjustment	+12"	10
Additional Treatment	BK2000	10
TOTAL POINT ASSESSMENT (Sec. 1904.5)		51

Minimum Points (Check one): Outside Shoreland-50 Inside Shoreland-65 Subdivision-65

SPECIFIC VARIANCE REQUESTED (To be filled in by Site Evaluator)	SECTION OF RULE
1. <u>10" TO LIMITING FACTOR</u>	<u>TABLE 600.2</u>
2. _____	_____
3. _____	_____

SITE EVALUATOR

When a property is found to be unsuitable for subsurface wastewater disposal for a First Time System Variance by a Licensed Site Evaluator, the Evaluator shall so inform the property owner. If the property owner, after exploring all other alternatives, wishes to request a Variance to the Rules, and the Evaluator in his professional opinion feels the variance request is justified and the site limitations can be overcome, he shall document the soil and site conditions on the Application. The Evaluator shall list the specific variances necessary plus describe below the proposed system design and function. The Evaluator shall further describe how the specific site limitations are to be overcome, and provide any other support documentation as required prior to consideration by the Department.
 (Use Additional Sheets, if needed)

System is located just off crest of knoll with 24" separation, 33% increase in disposal area size, and advanced pretreatment with BK2000. Design modifications with +50' property line setbacks will easily overcome minor site limitations.

I, STEPHEN P ROBBINS, S.E., certify that a variance to the Rules is necessary since a system cannot be installed which will completely satisfy all the Rule requirements. In my judgment, the proposed system design on the attached Application is the best alternative available; enhances the potential of the site for subsurface wastewater disposal; and that the system should function properly.

Stephen P Robbins
 SIGNATURE OF SITE EVALUATOR

18 FEB 02
 DATE

First Time System Variance Request

PROPERTY OWNER

I, MARCIE A. SANDERS, am the owner agent for the owner of the subject property. I understand that the installation on the Application is not in total compliance with the Rules. Should the proposed system malfunction, I release all concerned provided they have performed their duties in a reasonable and proper manner, and I will promptly notify the Local Plumbing Inspector and make any corrections required by the Rules. By signing the variance request form, I acknowledge permission for representatives of the Department to enter onto the property to perform such duties as may be necessary to evaluate the variance request.

Marcie Sanders
 SIGNATURE OF OWNER
 AGENT FOR THE OWNER

5/2/03
 DATE

MUNICIPAL OFFICER(S) (Selectman, Councilman, Alderman, Mayor, Town Manager)

We, the Municipal Officer(s) of City of Augusta have reviewed this application and are aware that the applicant is applying for a First Time System Variance to the Subsurface Wastewater Disposal Rules because the proposed system does not meet all requirements of the rules. The proposed variance request does does not comply with all Municipal Ordinances relating to subsurface wastewater disposal.

[Signature]
 SIGNATURE FOR THE MUNICIPALITY

City Manager
 TITLE

5/5/03
 DATE

LOCAL PLUMBING INSPECTOR - Approval at local level

The local plumbing inspector shall review all First Time System Variance requests prior to rendering a decision. I, _____, the undersigned, have visited the above property and find that the variance request submitted by the applicant does not conform with certain provisions of the wastewater disposal rules. The variance request submitted by the applicant is the best alternative for a subsurface wastewater disposal system on this property. The proposed system does does not conflict with any provisions controlling subsurface wastewater disposal in the shoreland zone. Therefore, I do do not approve the requested variance. I will will not issue a permit for the system's installation as proposed by the application.

 LPI Signature

 Date

LOCAL PLUMBING INSPECTOR - Referral to the Department

The local plumbing inspector shall review all First Time System Variance requests prior to forwarding to the Division of Health Engineering. I, GARY R. FULTON, the undersigned, have visited the above property and find that the variance request submitted by the applicant does not conform with certain provisions of the wastewater disposal rules. The variance request submitted by the applicant is the best alternative for a subsurface wastewater disposal system on this property. The proposed system does does not conflict with any provisions controlling subsurface wastewater disposal in the shoreland zone. Therefore, I do do not recommend the issuance of a permit for the system's installation as proposed by the application.

[Signature]
 LPI Signature

5/2/03
 Date

FOR USE BY THE DEPARTMENT ONLY

The Department has reviewed the variance(s) and does does not give its approval. Any additional requirements, recommendations, or reasons for the Variance denial, are given in the attached letter.

 SIGNATURE OF THE DEPARTMENT

 DATE

- Note: 1. Variances for soil conditions may be approved at the local level as long as the total point assessment is at least the minimum allowed. (See Section 1902.0 for Municipal Review.)
 2. Variances for other than soil conditions or soil conditions beyond the limit of the LPI's authority are to be submitted to the Department for review. (See Section 1901.0 for Department Review.) The LPI's signature is required on these variance requests prior to sending them to the Department.

