

George 1457

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OCT 17 1988



#1457

Rollin Ives  
Commissioner

John R. McKernan, Jr.  
Governor

STATE OF MAINE  
DEPARTMENT OF HUMAN SERVICES  
AUGUSTA, MAINE 04333

7-15

October 14, 1988

David Cote  
11 Grove Street  
Augusta ME 04330

SUBJECT: Approval of New System Variance Request, prospective Cote property, Church Hill Road, Augusta

Dear Mr. Cote:

Our review of your Application for a New System Variance indicates that a new disposal system cannot be installed on your property in full compliance with the Rules. You have requested the following:

To allow a disposal system to be installed on soils that do not meet the minimum criteria. Specifically, the seasonal high groundwater table is located 11 inches below grade.

The Division approves of the application dated September 3, 1988 by David Rocque, SE.

Mr. Rocque shall be retained to establish the system location and elevation at the time of construction.

George Soucy, the Local Plumbing Inspector shall issue a permit prior to the system's installation. The system shall be constructed in compliance with the submitted application.

Yours very truly,

*Brent L. McCarthy*

Brent L. McCarthy  
Wastewater & Plumbing Control  
Division of Health Engineering

BLM/ld  
cc: George Soucy, LPI  
David Rocque, SE

Mrs Cote 289-3473 622 4682  
 called 10-15-88 10:00

# NEW SYSTEM VARIANCE REQUEST

This form shall accompany an Application for a proposed new system which requires a Variance to certain provisions of the Subsurface Wastewater Disposal Rules. A check or money order for \$20.00 payable to the Treasurer of the State shall accompany this request form. The local plumbing inspector shall not issue a Permit for the installation of a subsurface wastewater disposal system until approval has been received from the Department.

## GENERAL INFORMATION

Town of AUGUSTA

Property Owner's Name: David Cote  
 System's Location: CHURCH HILL ROAD - AUGUSTA, Me.  
 Property Owner's Address: 11 Grove Street Augusta, Maine 04330  
 (if different from above)

## VARIANCE CONDITIONS

The Department has the authority to vary the requirements of the Rules in accordance with CMR 241.16 of the Rules 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.

## SPECIFIC VARIANCE REQUESTED (To be filled in by Site Evaluator)

SECTION OF CODE

1. 11"-12" to the Seasonal High water table G.B. 3.a
2. \_\_\_\_\_
3. \_\_\_\_\_

IF VARIANCE REQUEST IS FOR SEC. 6.B.3 SUITABLE SOIL CONDITIONS, FILL IN TABLE BELOW.

## SOIL, SITE AND ENGINEERING FACTORS FOR ASSESSING NEW SYSTEM VARIANCE POTENTIAL

(SEE TABLE 16-1)

	CHARACTERISTIC	POINT ASSESSMENT
Soil Profile	<u>B</u>	<u>10</u>
Depth to Groundwater	<u>11"-12"</u>	<u>6</u>
Size of Property	<u>20 Acres</u>	<u>20</u>
Terrain	<u>KNOLL</u>	<u>5</u>
Waterbody Setback	<u>2250</u>	<u>5</u>
Water Supply	<u>Drilled well</u>	<u>3</u>
Type of Development	<u>S.F.H.</u>	<u>0</u>
Design Flow	<u>Min. Plus 33%</u>	<u>5</u>
Separation Distance	<u>MIN. Plus 100%</u>	<u>10</u>
Additional Treatment	<u>NONE</u>	<u>0</u>
<b>TOTAL POINT ASSESSMENT</b>		<b><u>64</u></b>

## LOCAL PLUMBING INSPECTOR

The local plumbing inspector shall review all New System Variance requests prior to submission to the Division of Health Engineering. The LPI shall inform the Division of Health Engineering of any factors relative to the variance request not specifically noted by the property owner or the site evaluator.

The proposed system ( does  does not) conflict with any provision controlling subsurface wastewater disposal systems in the Shoreland Zone.

CONCLUSIONS: I, George A. Sperry Jr., the undersigned, have visited the above property and find that it is not possible to conform to certain provisions of the Rules. The variance request submitted by the applicant is the best alternative for a subsurface wastewater disposal system on this property.

Therefore, I recommend the issuance of a permit for the system's installation as proposed by the application.

George A. Sperry Jr. SIGNATURE OF LPI 9-19-88 DATE



# SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

**PROPERTY ADDRESS**

Town Or Plantation: Augusta

Street Subdivision Lot #: Church Hill Rd.

**PROPERTY OWNERS NAME**

Last: Cote First: David

Applicant Name: Same

Mailing Address of Owner/Applicant (If Different): 11 Grove Street Augusta, Maine 04330

**Owner/Applicant Statement**

I certify that the information submitted is correct to the best of my knowledge and understand that any falsification is reason for the Local Plumbing Inspector to deny a Permit.

[Signature] 9-3-88  
Signature of Owner/Applicant Date

AUGUSTA PERMIT # 1,457 TOWN COPY

Date Permit Issued: 9-17-88 \$ 10.00 FEE  If Double Fee Charged

[Signature] L.P.I. # 102  
Local Plumbing Inspector Signature

**Caution: Inspection Required**

100% at this time

I have inspected the installation authorized above and found it to be in compliance with the Subsurface Wastewater Disposal Rules.

[Signature] 5-14-90  
Local Plumbing Inspector Signature Date Approved

## PERMIT INFORMATION

<p><b>THIS APPLICATION IS FOR:</b></p> <p>1. <input checked="" type="checkbox"/> NEW SYSTEM</p> <p>2. <input type="checkbox"/> REPLACEMENT SYSTEM</p> <p>3. <input type="checkbox"/> EXPANDED SYSTEM</p> <p>4. <input type="checkbox"/> EXPERIMENTAL SYSTEM</p>	<p><b>THIS APPLICATION REQUIRES:</b></p> <p>1. <input type="checkbox"/> NO RULE VARIANCE</p> <p>2. <input checked="" type="checkbox"/> NEW SYSTEM VARIANCE Attach New System Variance Form</p> <p>3. <input type="checkbox"/> REPLACEMENT SYSTEM VARIANCE Attach Replacement System Variance Form</p> <p>a. <input type="checkbox"/> Requiring Local Plumbing Inspector Approval</p> <p>b. <input type="checkbox"/> Requires State and Local Plumbing Inspector Approval</p> <p>4. <input type="checkbox"/> MINIMUM LOT SIZE VARIANCE</p>	<p><b>INSTALLATION IS:</b></p> <p>COMPLETE SYSTEM</p> <p>1. <input checked="" type="checkbox"/> NON-ENGINEERED SYSTEM</p> <p>2. <input type="checkbox"/> PRIMITIVE SYSTEM (Includes Alternative Toilet)</p> <p>3. <input type="checkbox"/> ENGINEERED (+ 2000 gpd)</p> <p><b>INDIVIDUALLY INSTALLED COMPONENTS:</b></p> <p>4. <input type="checkbox"/> TREATMENT TANK (ONLY)</p> <p>5. <input type="checkbox"/> HOLDING TANK _____ GAL</p> <p>6. <input type="checkbox"/> ALTERNATIVE TOILET (ONLY)</p> <p>7. <input type="checkbox"/> NON-ENGINEERED DISPOSAL AREA (ONLY)</p> <p>8. <input type="checkbox"/> ENGINEERED DISPOSAL AREA (ONLY)</p> <p>9. <input type="checkbox"/> SEPARATED LAUNDRY SYSTEM</p>
<p><b>SEASONAL CONVERSION</b></p> <p>to be completed by the LPI <u>N/A</u></p> <p>5. <input type="checkbox"/> SYSTEM COMPLIES WITH RULES</p> <p>6. <input type="checkbox"/> CONNECTED TO SANITARY SEWER</p> <p>7. <input type="checkbox"/> SYSTEM INSTALLED - P# _____</p> <p>8. <input type="checkbox"/> SYSTEM DESIGN RECORDED AND ATTACHED</p>	<p><b>IF REPLACEMENT SYSTEM:</b></p> <p>YEAR FAILING SYSTEM INSTALLED _____</p> <p>THE FAILING SYSTEM IS: <u>N/A</u></p> <p>1. <input type="checkbox"/> BED 3. <input type="checkbox"/> TRENCH</p> <p>2. <input type="checkbox"/> CHAMBER 4. <input type="checkbox"/> OTHER: _____</p>	<p><b>DISPOSAL SYSTEM TO SERVE:</b></p> <p>1. <input checked="" type="checkbox"/> SINGLE FAMILY DWELLING</p> <p>2. <input type="checkbox"/> MODULAR OR MOBILE HOME</p> <p>3. <input type="checkbox"/> MULTIPLE FAMILY DWELLING</p> <p>4. <input type="checkbox"/> OTHER _____</p> <p style="text-align: center;">SPECIFY</p>
<p>SIZE OF PROPERTY <u>25 AC. ±</u></p> <p>ZONING <u>Rural Residential</u></p>	<p><b>TYPE OF WATER SUPPLY</b></p> <p><u>Drilled (prop.)</u></p>	

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

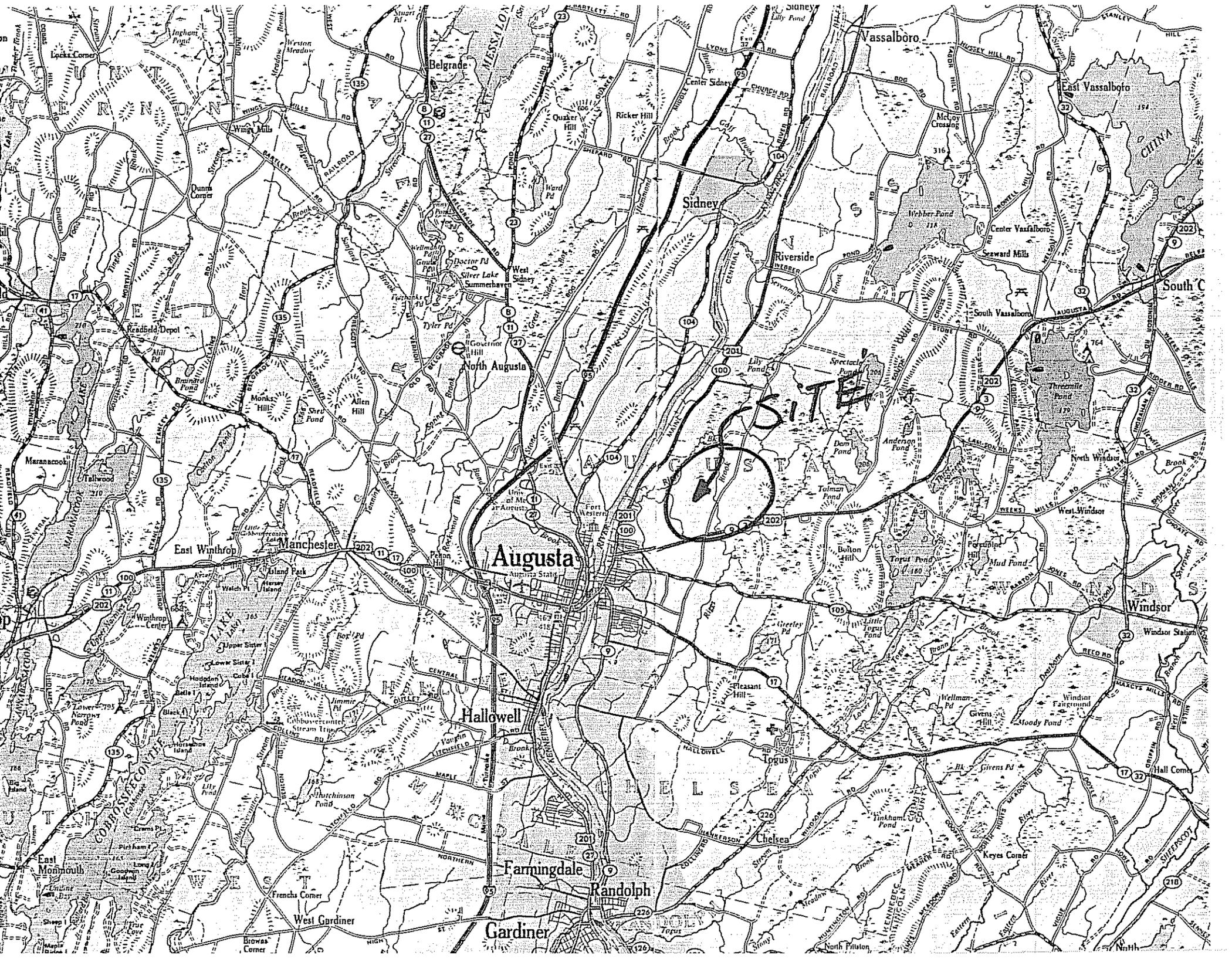
<p><b>TREATMENT TANK</b></p> <p>1. <input checked="" type="checkbox"/> SEPTIC: <input checked="" type="checkbox"/> Regular <input type="checkbox"/> Low Profile</p> <p>2. <input type="checkbox"/> AEROBIC</p> <p>SIZE: <u>1000</u> GALS.</p>	<p><b>WATER CONSERVATION</b></p> <p>1. <input type="checkbox"/> NONE</p> <p>2. <input checked="" type="checkbox"/> LOW VOLUME TOILET</p> <p>3. <input type="checkbox"/> SEPARATED LAUNDRY SYSTEM</p> <p>4. <input type="checkbox"/> ALTERNATIVE TOILET</p> <p>SPECIFY: _____</p>	<p><b>PUMPING</b></p> <p>1. <input type="checkbox"/> NOT REQUIRED</p> <p>2. <input checked="" type="checkbox"/> MAY BE REQUIRED (DEPENDING ON TREATMENT TANK LOCATION AND ELEVATION)</p> <p>3. <input type="checkbox"/> REQUIRED</p> <p>DOSE: <u>50-75</u> GALS.</p>	<p>CRITERIA USED FOR DESIGN FLOW (BEDROOMS, SEATING, EMPLOYEES, WATER RECORDS, ETC.)</p> <p><u>Three bedroom Home - minimum design Flow Plus 39%</u></p> <p>DESIGN FLOW: <u>375</u> (GALLONS/DAY)</p>
<p><b>SOIL CONDITIONS USED FOR DESIGN PURPOSES</b></p> <p>PROFILE <u>B</u> CONDITION <u>D</u></p> <p>DEPTH TO LIMITING FACTOR: <u>11-12.</u></p>	<p><b>SIZE RATINGS USED FOR DESIGN PURPOSES</b></p> <p>1. <input type="checkbox"/> SMALL</p> <p>2. <input type="checkbox"/> MEDIUM</p> <p>3. <input type="checkbox"/> MEDIUM-LARGE</p> <p>4. <input checked="" type="checkbox"/> LARGE</p> <p>5. <input type="checkbox"/> EXTRA LARGE</p>	<p><b>DISPOSAL AREA TYPE/SIZE</b></p> <p>1. <input type="checkbox"/> BED _____ Sq. Ft.</p> <p>2. <input checked="" type="checkbox"/> CHAMBER <u>750</u> Sq. Ft.</p> <p><input type="checkbox"/> REGULAR <input type="checkbox"/> H-20</p> <p>3. <input type="checkbox"/> TRENCH _____ Linear Ft.</p> <p>4. <input type="checkbox"/> OTHER: _____</p>	

## SITE EVALUATOR STATEMENT

On 9/3/88 (date) I conducted a site evaluation for this project and certify that the data reported is accurate. The system I propose is in accordance with the Subsurface Wastewater Disposal Rules.

David P. Roquie 154 9/3/88  
Site Evaluator Signature SE# Date

(Local Plumbing Inspector's Signature if permit is for Seasonal Conversion.)



# SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services  
Division of Health Engineering

Town, City, Plantation

Street, Road, Subdivision

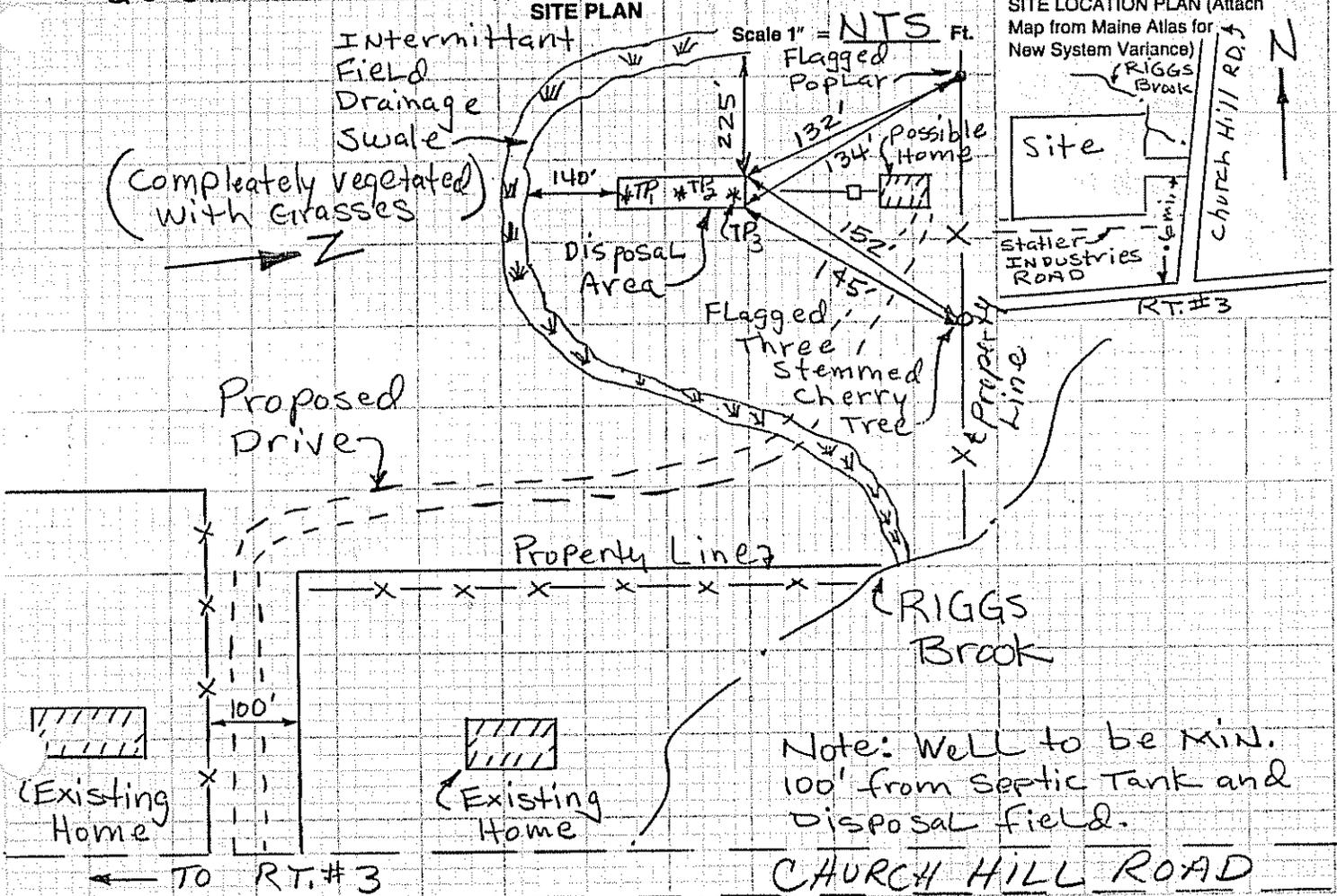
Owners Name

AUGUSTA

CHURCH HILL RD. DAVID COTE

## SITE PLAN

SITE LOCATION PLAN (Attach Map from Maine Atlas for New System Variance)



### SOIL DESCRIPTION AND CLASSIFICATION

(Location of Observation Holes Shown Above)

Observation Hole TP<sub>1</sub>  Test Pit  Boring  
2" SOD " Depth of Organic Horizon Above Mineral Soil

Observation Hole TP<sub>2</sub>  Test Pit  Boring  
2" SOD " Depth of Organic Horizon Above Mineral Soil

Texture	Consistency	Color	Mottling
0		Dark	
6	Friable	Brown	NONE
10		Y. BROWN	Few Faint
15	Very Firm		Common
20			Dist.
30			
40			
50			

Texture	Consistency	Color	Mottling
0		Dark	
6	Friable	Brown	NONE
10		Y. BROWN	Few Faint
15	V. Firm		Common
20			Dist.
30			
40			
50			

TP<sub>3</sub> is similar with water table at 12"

Soil Profile <u>8</u>	Classification <u>D</u>	Slope <u>1</u> %	Limiting Factor <u>11</u>	<input checked="" type="checkbox"/> Ground Water
	Condition			<input type="checkbox"/> Restrictive Layer
				<input type="checkbox"/> Bedrock

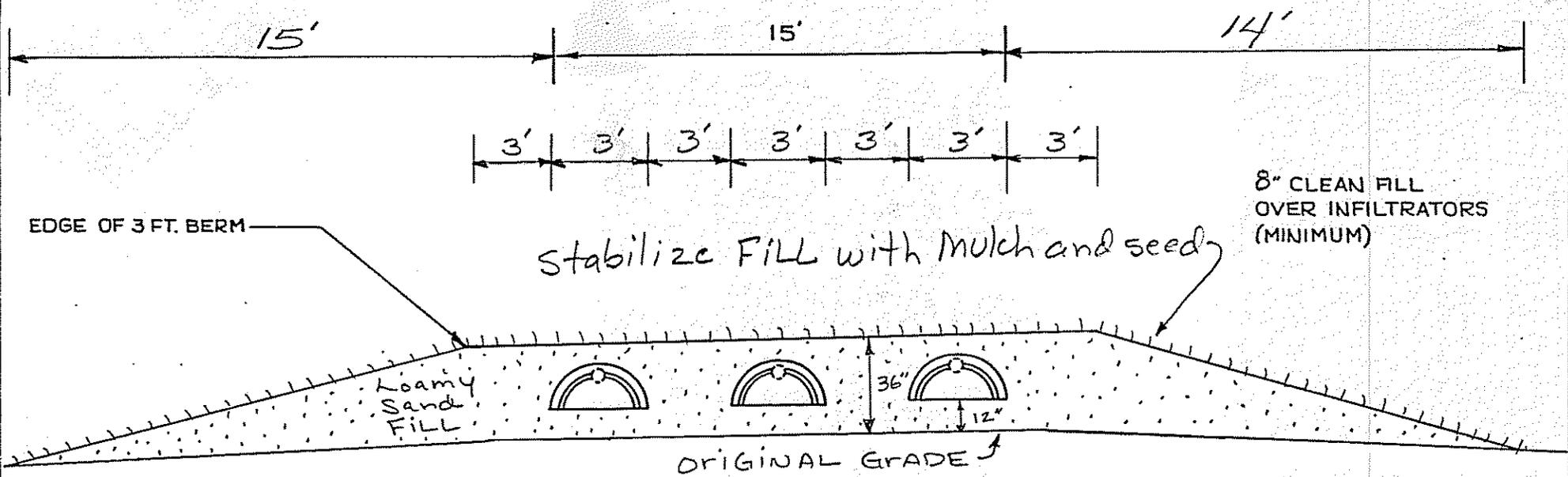
Soil Profile <u>8</u>	Classification <u>D</u>	Slope <u>1</u> %	Limiting Factor <u>12</u>	<input checked="" type="checkbox"/> Ground Water
	Condition			<input type="checkbox"/> Restrictive Layer
				<input type="checkbox"/> Bedrock

David P. Roogue 154  
Site Evaluator Signature SE#

9/3/88  
Date



# INFILTRATOR CROSS-SECTION 1-2%



REMOVE SOD From beneath disposal Area and entire FILL extensions prior to installation. Rototill or Scarify original soil then place Loamy Sharp sand before installing disposal Area. Do Not use sod For Any disposal Area FILL!!

## NOTES:

1. REMOVE VEGETATION AND SCARIFY ORIGINAL SOIL UNDER INFILTRATORS AND FILL EXTENSION AREAS.
2. BOTTOM OF INFILTRATORS TO BE LEVEL WITH A MAXIMUM GRADE TOLERANCE OF 1" PER 100'.
3. PROVIDE FOR SURFACE DRAINAGE AWAY FROM INFILTRATOR AREA.
4. FINISHED GRADE SHALL BE SEEDED AND MULCHED TO PREVENT EROSION.

ORIGINAL GRADE  
 FILL UNDER INFILTRATORS TO BE Loamy Sharp Sand TEXTURE.  
 FILL AROUND INFILTRATORS TO BE Loamy Sharp Sand TEXTURE.

SITE EVALUATOR: <b>DAVID P. ROCQUE</b>		
OWNER: <b>DAVID COTE</b>	NUMBER OF INFILTRATORS: <b>30</b>	PERCENT SLOPE: <b>1% - 2%</b>
LOCATION: <b>Church hill Rd. AUGUSTA</b>		ELEVATIONS: REFERENCE PT. <b>0</b> BOTTOM TRENCH#1 <b>-38"</b>
DATE: <b>9/3/88</b>	SCALE: <b>1 INCH = 5 FEET</b>	BOTTOM TRENCH#2 <b>-38"</b> BOTTOM TRENCH#3 <b>-38"</b>