

**SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION**

**PROPERTY ADDRESS**

Town Or Plantation: Augusta

Street: West River Road

Subdivision Lot #: Jos. Veilleux subd., lot #2

**PROPERTY OWNERS NAME**

Last: Michaud First: Laurent T.

Applicant Name: Laurent T. Michaud

Mailing Address of Owner/Applicant (If Different): 29 Monroe Street  
Augusta, Maine 04330

2-45C

AUGUSTA PERMIT # 1,399 TOWN COPY

Date Permit Issued: 8.15.88 FEE: \$40.00  Double Fee Charged

Larry R. Fuller Local Plumbing Inspector Signature L.P.I. # 1850

**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.

Laurent T. Michaud  
Signature of Owner/Applicant Date \_\_\_\_\_

**Caution: Inspection Required**

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

Larry R. Fuller Local Plumbing Inspector Signature Date Approved: Nov. 7, 1988

**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>INDIVIDUALLY INSTALLED COMPONENTS:</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> <u>n/a</u></p> <p>to be completed by the LPI</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> <u>n/a</u></p> <p>YEAR FAILING SYSTEM INSTALLED _____</p> <p>THE FAILING SYSTEM IS:</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>2.0± acres</u></p>	<p>ZONING: _____</p>	<p><b>TYPE OF WATER SUPPLY</b></p> <p>proposed drilled well</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 checked="" type="checkbox"/> NONE</p> <p>2. <input 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 checked="" type="checkbox"/> NOT REQUIRED</p> <p>2. <input type="checkbox"/> MAY BE REQUIRED (DEPENDING ON TREATMENT TANK LOCATION AND ELEVATION)</p> <p>3. <input type="checkbox"/> REQUIRED</p> <p>DOSE: _____ GALS.</p>	<p>CRITERIA USED FOR DESIGN FLOW (BEDROOMS, SEATING, EMPLOYEES, WATER RECORDS, ETC.)</p> <p><u>3-bedroom, single family dwelling</u></p> <p>sized per Table 7-1 of the SSWD Rules (10-144A CMR 241)</p> <p>(conservative design flow)</p> <p>DESIGN FLOW: <u>450 gpd</u></p>				
<p><b>SOIL CONDITIONS USED FOR DESIGN PURPOSES</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>PROFILE</th> <th>CONDITION</th> </tr> <tr> <td style="text-align: center;"><u>8</u></td> <td style="text-align: center;"><u>D</u></td> </tr> </table> <p>DEPTH TO LIMITING FACTOR: <u>10</u></p>	PROFILE	CONDITION	<u>8</u>	<u>D</u>	<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>900</u> Sq. Ft.</p> <p style="margin-left: 20px;"><input checked="" 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>	<p>_____ (GALLONS/DAY)</p>
PROFILE	CONDITION						
<u>8</u>	<u>D</u>						

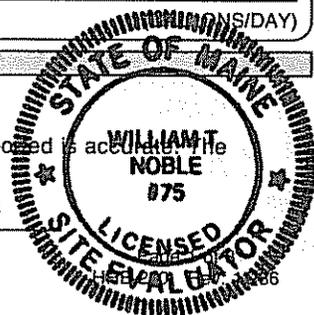
at test pit 1

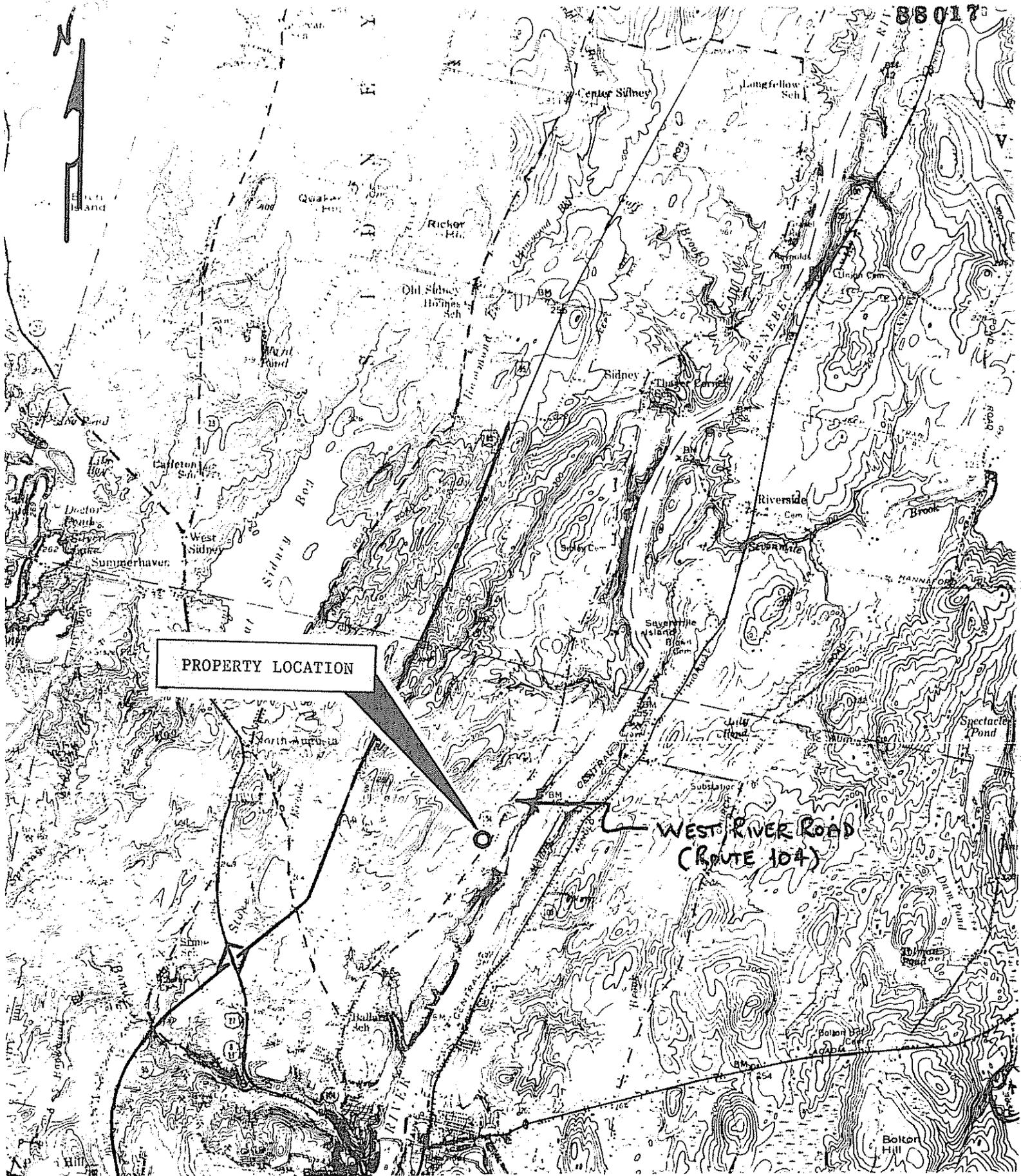
**SITE EVALUATOR STATEMENT**

On 6-18-88 (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.

William J. Noble Site Evaluator Signature      75 SE#      7-13-88 Date

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





PROPERTY LOCATION

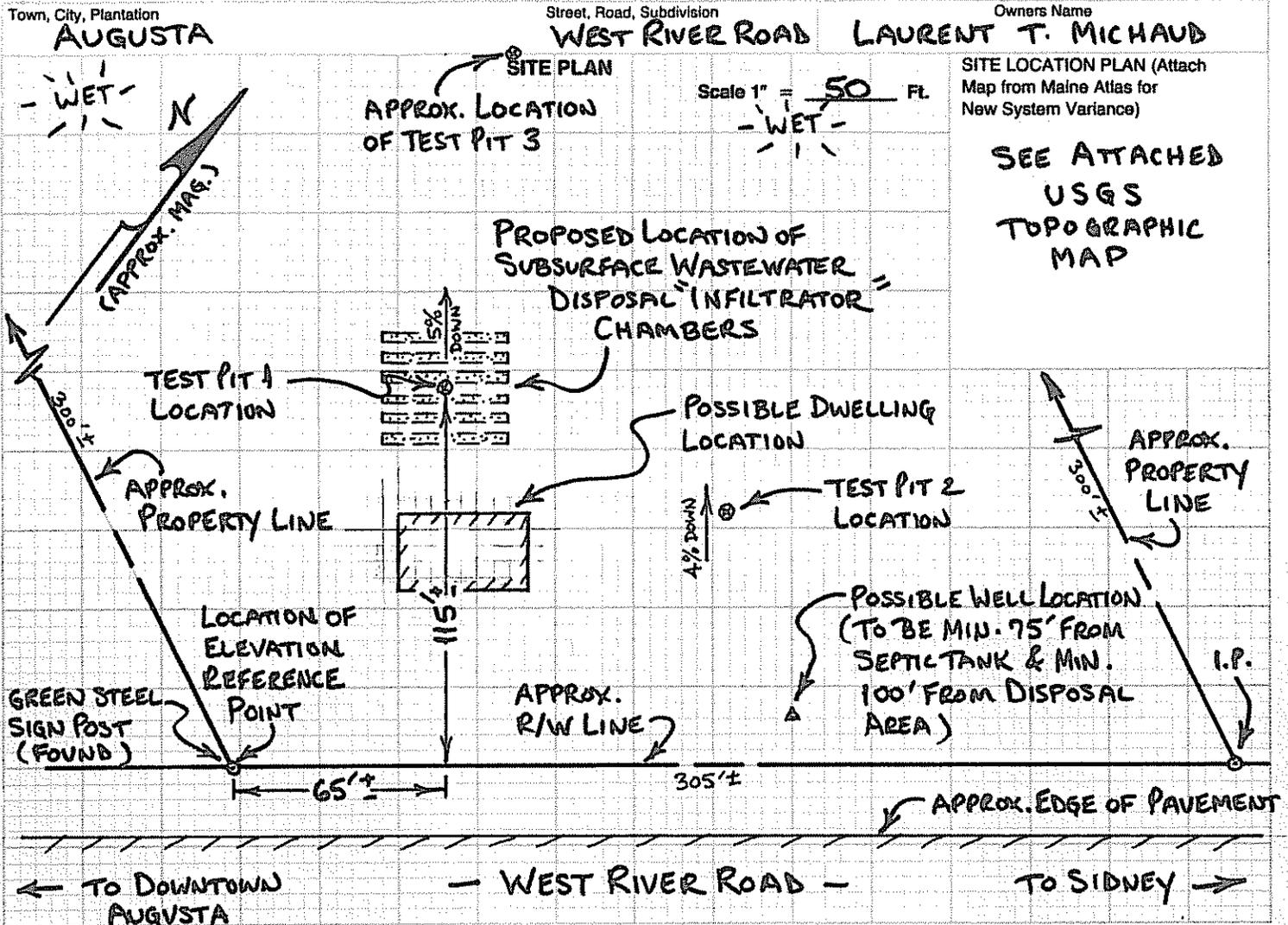
WEST RIVER ROAD  
(ROUTE 104)

AUGUSTA & VASSALBORO  
 USGS 15' Quadrangles  
 Scale: 1:62,500

LOT LOCATION  
 Laurent T. Michaud Property  
 Joseph A. Veilleux Subdivision, Lot #2  
 West River Road  
 Augusta, Maine

JOSEPH A. VEILLEUX SUBDIVISION, Lot No. 2  
 SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

88017  
 Department of Human Services  
 Division of Health Engineering



SOIL DESCRIPTION AND CLASSIFICATION (Location of Observation Holes Shown Above)			
Observation Hole <u>1</u> <input checked="" type="checkbox"/> Test Pit <input type="checkbox"/> Boring		Observation Hole <u>2</u> <input checked="" type="checkbox"/> Test Pit <input type="checkbox"/> Boring	
<u>1/2</u> " Depth of Organic Horizon Above Mineral Soil		<u>1/2</u> " Depth of Organic Horizon Above Mineral Soil	
Texture	Consistency	Color	Mottling
0			
6	LOAM	FRIABLE	DARK BROWN
10	VERY FINE SANDY LOAM	FIRM	OLIVE
15	LOAMY FINE SAND & SOME VEGET		OLIVE BROWN
20	VERY FINE SANDY LOAM & SOME SILT		DARK OLIVE
30			
40			
50			
NOTE: TEST PIT 3 REVEALED A SIMILAR SOIL PROFILE, WITH MOTTLING AT THE GROUND SURFACE, AND IS CLASSIFIED AS AN B.E. SOIL.			
Soil Profile	Classification Condition	Slope %	Limiting Factor
B	D	5	10
		Ground Water	Restrictive Layer
		<input checked="" type="checkbox"/>	<input type="checkbox"/>
		Bedrock	<input type="checkbox"/>

SOIL DESCRIPTION AND CLASSIFICATION (Location of Observation Holes Shown Above)			
Observation Hole <u>2</u> <input checked="" type="checkbox"/> Test Pit <input type="checkbox"/> Boring		Observation Hole <u>2</u> <input checked="" type="checkbox"/> Test Pit <input type="checkbox"/> Boring	
<u>1/2</u> " Depth of Organic Horizon Above Mineral Soil		<u>1/2</u> " Depth of Organic Horizon Above Mineral Soil	
Texture	Consistency	Color	Mottling
0			
6	LOAMY VERY FINE SAND	FRIABLE	OLIVE BROWN
10	VERY FINE SANDY LOAM	FIRM	MANY PROMINENT
15	LOAMY FINE SAND		PALE OLIVE
20	SAND	VERY FRIABLE	BROWNISH GRAY
30			
40	VERY FINE LOAMY SAND & VERY FINE SANDY LOAM	FIRM	OLIVE
50			
Soil Profile	Classification Condition	Slope %	Limiting Factor
B	D	4	7
		Ground Water	Restrictive Layer
		<input checked="" type="checkbox"/>	<input type="checkbox"/>
		Bedrock	<input type="checkbox"/>

*William J. Noble*  
 Site Evaluator Signature

75  
 SE#

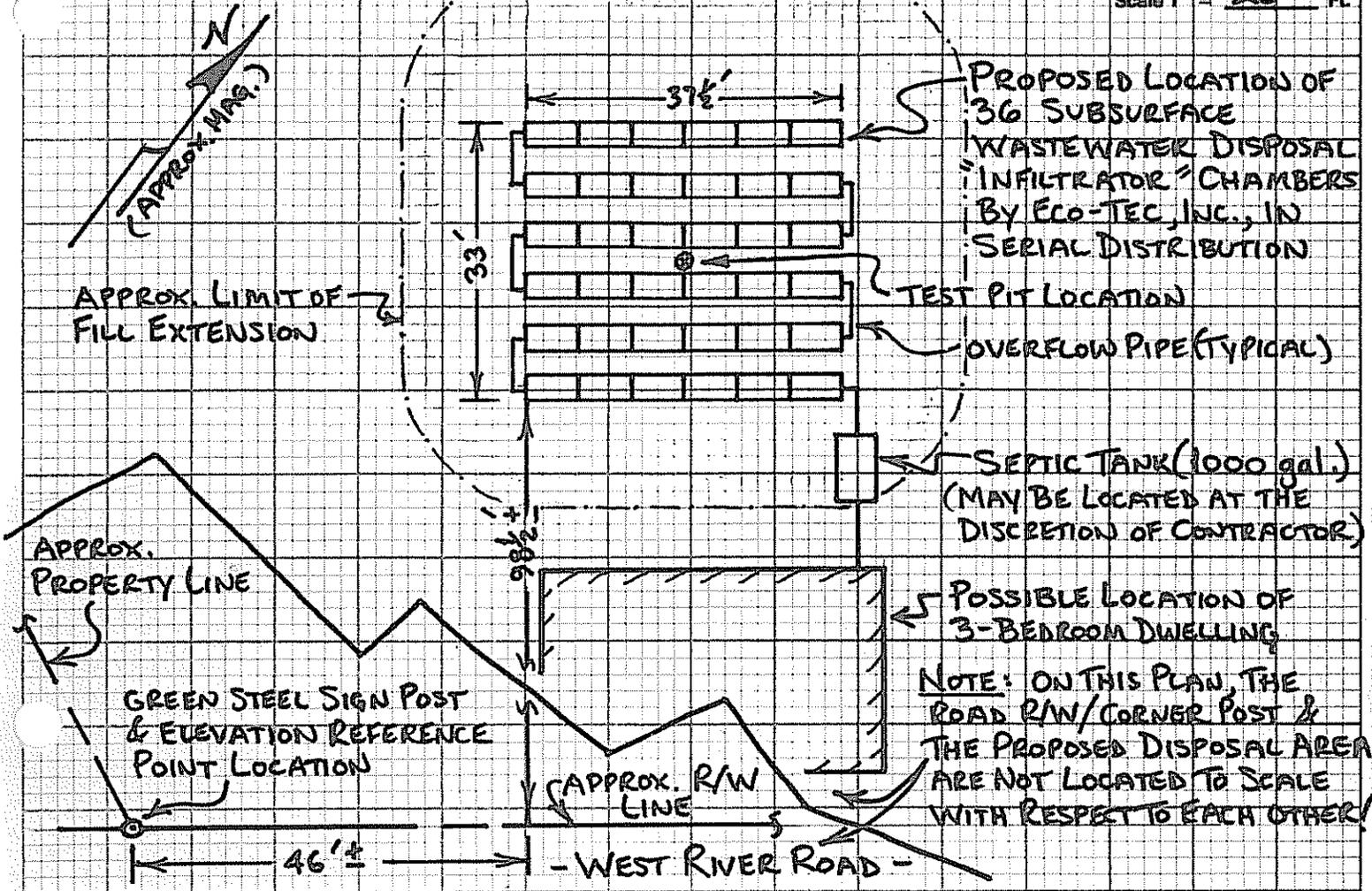
7-13-88  
 Date

# SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Town, City, Plantation: **AUGUSTA**  
Street, Road, Subdivision: **WEST RIVER ROAD**  
Owners Name: **LAURENT T. MICHAUD**

## SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale 1" = 20' FL.



NOTE: ON THIS PLAN, THE ROAD R/W/CORNER POST & THE PROPOSED DISPOSAL AREA ARE NOT LOCATED TO SCALE WITH RESPECT TO EACH OTHER!

### FILL REQUIREMENTS

Depth of Fill (Upslope) **35"**  
Depth of Fill (Downslope) **37 1/2"**  
(SEE DIAGRAM BELOW)

### CONSTRUCTION ELEVATIONS

Reference Elevation is **0.0'**  
Bottom of Disposal Area (SEE CROSS-SECTION BELOW)  
Top of Distribution Lines or Chambers **BELOW**

### ELEVATION REFERENCE POINT LOCATION & DESCRIPTION

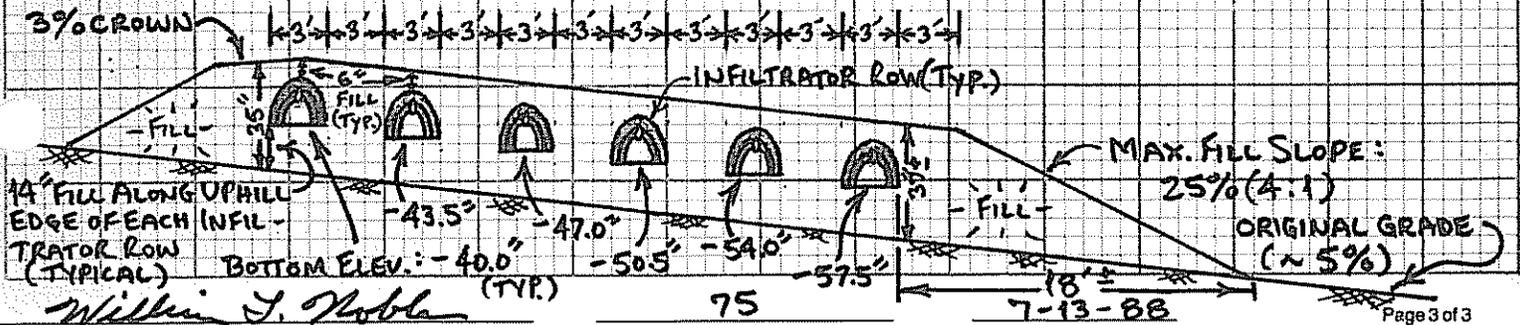
ERP IS THE 6<sup>TH</sup> KNOCKOUT SPUR IN BACK SIDE OF SIGNPOST 43" ABOVE GROUND LEVEL AT BASE OF POST.

### NOTES:

1. INSTALL INFILTRATORS AS DIRECTED BY Eco-TEC, INC.
2. BACKFILL & PERIMETER FILL TO BE SANDY LOAM IN TEXTURE.
3. GRADE LAND AROUND INFILTRATORS TO DIVERT ANY WATER FROM THE AREA.
4. REMOVE ANY ORGANIC LAYER & SCARIFY THE SOIL SURFACE BEFORE INSTALLING FILL.
5. REQUIRED FILL DEPTHS MAY VARY FROM THOSE SHOWN DUE TO IRREGULARITIES IN THE SOIL SURFACE.
6. BOTTOM OF INFILTRATORS TO BE LEVEL WITH MAX. GRADE TOLERANCE OF 1" PER 100'.
7. LOCATE TEST PIT 1 ON THE LOT & POSITION INFILTRATORS OVER PIT AS SHOWN IN ABOVE PLAN.
8. FINISH GRADE TO BE VEGETATED PER SECTION 11.D.6 OF THE SSWD RULES.
9. MIN. 14" OF FILL TO BE INSTALLED BELOW UPHILL EDGE OF EACH INFILTRATOR ROW.

### DISPOSAL AREA CROSS SECTION

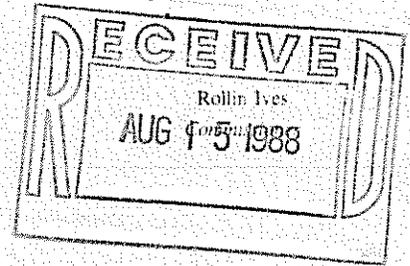
Scale:  
Vertical: 1 inch = 5' FL.  
Horizontal: 1 inch = 10' FL.



John R. McKernan, Jr.  
Governor



STATE OF MAINE  
DEPARTMENT OF HUMAN SERVICES  
AUGUSTA, MAINE 04333



August 12, 1988

Laurent T. Michaud  
29 Monroe Street  
Augusta ME 04330

SUBJECT: Approval of New System Variance Request, Michaud property, West River Road, Augusta

Dear Mr. Michaud:

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 10 inches below grade.

The Division approves of the application dated July 13, 1988 by William Noble, SE.

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

Gary Fuller, 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/lđ

cc: Gary Fuller, LPI  
William Noble, SE

# 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: Laurent T. Michaud

System's Location: West River Road  
street

Property Owner's Address 29 Monroe Street  
street

Augusta town Maine state 04330 zip

**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 variance request has received written endorsement from the elected municipal officers.
- 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 Seasonal Conversion, Shoreland Zoning or Resource Protection.
- 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. Minimum site suitability conditions on depth to water table 6.B.3
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	Profile 8	10
DEPTH TO GROUNDWATER	10"	3
SIZE OF PROPERTY	2 acres	4
TERRAIN	upland	5
WATERBODY SETBACK	250'	5
WATER SUPPLY	drilled well	3
TYPE OF DEVELOPMENT	sing.fam.dwell.	0
DESIGN FLOW	min. + 66%	10
SEPARATION DISTANCE	min. + 100%	10
ADDITIONAL TREATMENT	none	0
<b>TOTAL POINT ASSESSMENT</b>		<b>50</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 indicate the municipality's position in regards to the variance request. The LPI shall also inform the Division of Health Engineering of any facts 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 Municipal or Shoreland Zoning ordinances, and has been shown to the Code Enforcement Officer.

CONCLUSIONS: I, Nancy R. Fuller, 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 on the application.

Nancy R. Fuller August 15, 1988  
Signature of L.P.I. Date



STATEMENTS, JUSTIFICATIONS and RESPONSIBILITIES

PROPERTY OWNER: The property owner shall provide accurate information to the Site Evaluator, the LPI, and the Department and elaborate below the reasons for requesting the variance(s).

(Attach additional sheets, if needed)

I, Jausent + Michaud, am the  owner  prospective owner of the subject property. I understand that the installation illustrated on the Application is not in total compliance with the Rules. I have indicated my reasons for requesting the variance(s). 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 Department of Human Services and make any corrections the Department finds necessary. By signing this 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.

Jausent + Michaud  
 Signature of Owner  
 Signature of Prospective Purchaser

7/20/88  
Date

HAS REVIEW FEE BEEN ENCLOSED

SITE EVALUATOR:

When an undeveloped property is found to be unsuitable for subsurface wastewater disposal 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 requirements of the Rules, and the Evaluator in his professional opinion feels the variance request is justified and that 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.

variance to the Subsurface Wastewater Disposal Rules is being requested because the soil conditions at the property do not meet the minimum required depth to the seasonal water table. The seasonal water table depth at the area selected for a subsurface wastewater disposal system is 10" in an 8-D soil. Back portions of the lot exhibit a higher water table, at or near the ground surface. A variance to Section 6.B.3 is felt to be justified in that to overcome site limitations, the proposed system has been designed at a conservative wastewater flow rating (min.+66%) to provide for more absorptive area of soil for wastewater, and the separation distance from the disposal area bottom to the water table has been increased 100% from that normally required by the Rules. The underlying very fine sandy loam with some silt has a moderate to slow permeability that will promote wastewater renovation and help to minimize any potential deep groundwater contamination or off-site adverse effects on water quality, provided the system is properly constructed and maintained.

(Attach additional sheets, if needed)

I, William T. Noble, 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 judgement, I certify that 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.

William T. Noble  
Signature of Site Evaluator

7-13-88  
Date

MUNICIPAL OFFICER(s): (Selectman, Councilman, Alderman, Mayor, Town Manager)

We the undersigned Officer(s) are aware that the applicant is applying to the Division of Health Engineering for a variance to the Subsurface Wastewater Disposal Rules as indicated in the application and that the proposed system does not meet the requirements of the Rules. The proposed variance request  does  does not comply with all Town Zoning requirements and the Municipality  does  does not endorse the variance request. If endorsed, the Town accepts the responsibility for any required enforcement of the Rules should the system malfunction.

Romas A. Comas Councilman 7/23/88  
Municipal Officer's Signature Officer Title Date

Alden J. Ingraham Councilman 7/21/88  
Municipal Officer's Signature Officer Title Date

William D. Bunnell Councilman 7/22/88  
Municipal Officer's Signature Officer Title Date