

# SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services  
Division of Health Engineering  
(207) 557-6672 FAX (207) 557-4172

**PROPERTY LOCATION**

Town or Plantation T5R8

Street Bowling Road

Subdivision Lot # Bowling Camps

East Branch Penobscot River

**PROPERTY OWNERS NAME**

Last BOWLING CAMPS LLC

Mailing Address of Owner MIKE STROFF

P.O. BOX 251 PATTEN, ME 04765

Daytime Tel. # (207) 528-2022

**Owner Statement**

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.

M. J. Stroff III 2 Jun 00

Signature of Owner/Applicant Date

LURE 131 PERMIT # 359 STATE COPY

Date 5/19/00 11/12/00 11/13/01

Mike Stroff 8/20/00

Local Plumbing Inspector Signature Date Approved

Municipal Tax Map # \_\_\_\_\_ Page # \_\_\_\_\_

**Caution: Inspection Required**

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 Date Approved

## PERMIT INFORMATION

**THIS APPLICATION IS FOR:**

- ☐ First Time System
- ☐ Multi-User System
- ☐ Replacement System
- ☒ Expanded System
  - ☐ One-time exempted
  - ☒ Non-exempted
- ☐ Experimental System
- ☐ Seasonal Conversion

**THIS APPLICATION REQUIRES:**

- ☐ No Rule Variance
- ☐ First Time System Variance (Municipal)
- ☒ First Time System Variance (State)
- ☐ Replacement System Variance
  - ☐ Local Plumbing Inspector approval
  - ☐ State & Local Plumbing Inspector approval
- ☐ Minimum Lot Size Variance
- ☐ Seasonal Conversion Variance

**DISPOSAL SYSTEM COMPONENT(S)**

- ☒ Non-Engineered System
- ☐ Primitive System
- ☐ Alternative Toilet
- ☐ Non-Engineered Treatment Tank
- ☐ Holding Tank \_\_\_\_\_ Gallons
- ☐ Non-Engineered Disposal Area (only)
- ☐ Separated Laundry System
- ☐ Engineered System (+2000 gpd)
- ☐ Engineered Treatment Tank (only)
- ☐ Engineered Disposal Area (only)

**SIZE OF PROPERTY**

18 AC ±

**SHORELAND ZONING**

☒ Yes ☐ No

**DISPOSAL SYSTEM TO SERVE:**

- ☐ Single Family Dwelling Unit
- ☐ Multiple Family Dwelling Unit
- ☒ Other Rental Cabins

Number of Units \_\_\_\_\_ SPECIFY

**TYPE OF WATER SUPPLY**

Gravity Feed Spring Water

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

**2 TREATMENT TANKS**

- ☒ Concrete
  - ☒ Regular
  - ☐ Low Profile
- ☐ Plastic

Each SIZE 1000 Gallons

**DISPOSAL AREA TYPE/SIZE**

- ☒ Stone Bed 1000 Sq. Ft.
- ☐ Proprietary Device \_\_\_\_\_ Sq. Ft.
  - ☐ Clustered ☐ Linear
  - ☐ Regular ☐ H-20
- ☐ Trench \_\_\_\_\_ Lin. Ft.
- ☐ Other \_\_\_\_\_

**GARBAGE DISPOSAL UNIT**

- ☒ No
- ☐ Yes
  - ☐ Multi-compartment tank
  - ☐ Tank in series
  - ☐ Increase in tank capacity
  - ☐ Filter on tank outlet

**CRITERIA USED FOR DESIGN FLOW**  
(Show Calculations)

5 Cabins @ 100 GPD each

Each cabin

Flush, Sink + Shower

only

No Food Preparation

Max. 4 single Beds

DESIGN FLOW 500 (Gallons/Day)

**PROFILE & DESIGN CLASS**

PROFILE 6 DESIGN B

DEPTH TO MOST LIMITING FACTOR \_\_\_\_\_

**DISPOSAL AREA SIZING**

- ☒ Small 2.0
- ☐ Medium 2.60
- ☐ Medium-Large 3.30
- ☐ Large 4.10
- ☐ Extra-Large 5.00

**PUMPING**

- ☐ Not required
- ☐ May be required
- ☒ Required

DOSE 100 Gallons

## SITE EVALUATOR'S STATEMENT

On 12/23/97 (date) I completed a site evaluation on this property and state that the data reported is accurate and that the proposed system is in compliance with the Subsurface Wastewater Disposal Rules.

John R. Whitney  
Site Evaluator Signature  
John R. Whitney  
Print Name

239  
SE #  
207-794-8622  
Telephone

5/22/00  
12/28/97  
Date



# SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Town, City or Plantation

Street, Road or Subdivision

Name of Owner

75R8

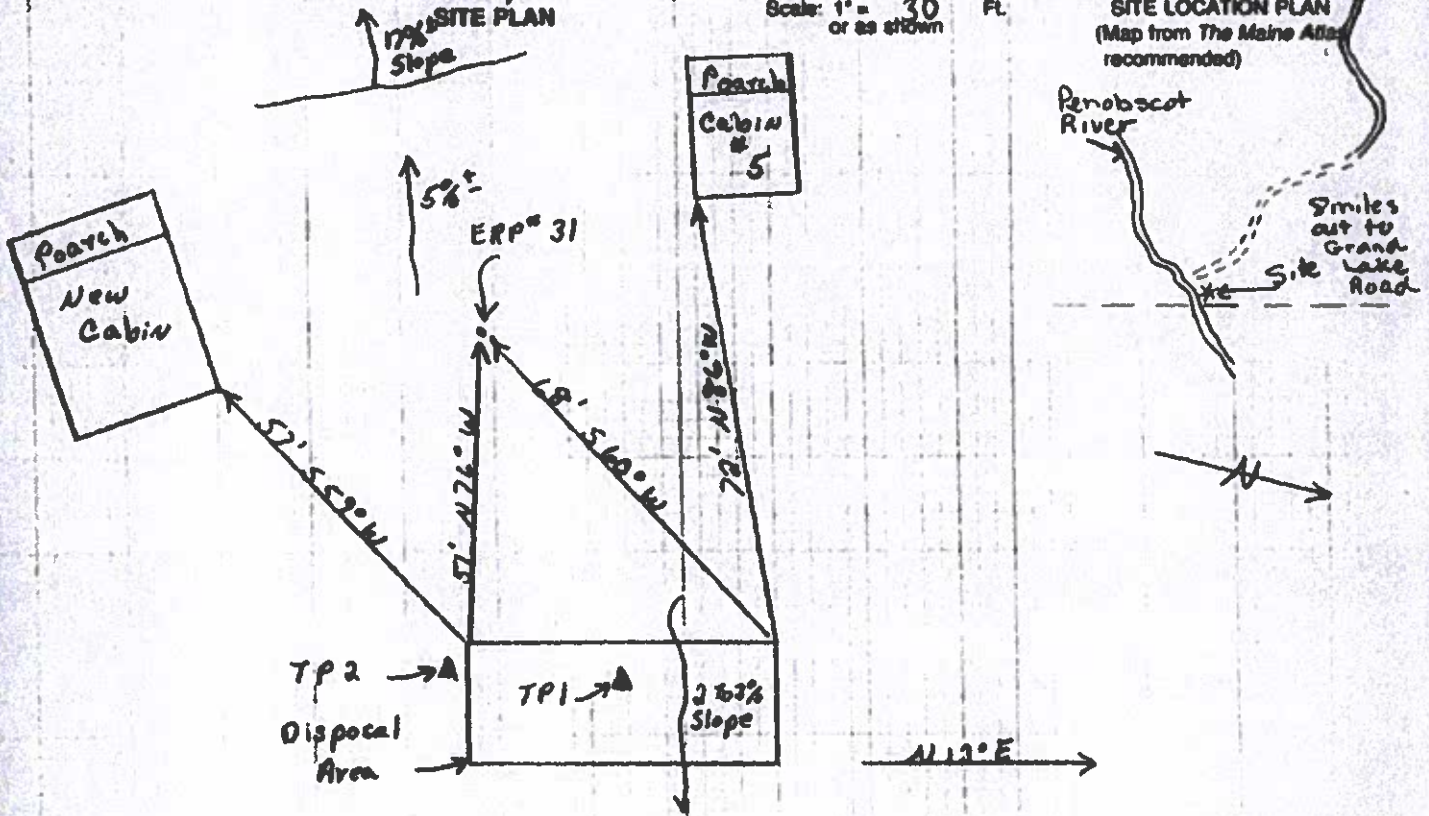
Bowlin Camps

Bowlin Road

Scale: 1" = 30  
or as shown

MIKE STROFF

SITE LOCATION PLAN  
(Map from The Maine Atlas  
recommended)



SEE ATTACHED PLOT MAP

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

Observation Hole TP 1 ☒ Test Pit ☐ Boring

0" Depth of Organic Horizon Above Mineral Soil

Texture	Consistency	Color	Mottling
Gravelly Loam	friable	10YR 3/4	
Loamy Gravel		10YR 3/4	
Gravel			None
Gravel	Loose	2.5Y 3/3	

DEPTH BELOW MINERAL SOIL SURFACE (inches)

Soil Profile 6 Class B Slope 2-3% Limiting Factor ---

☐ Ground Water  
☐ Restrictive Layer  
☐ Bedrock

Observation Hole TP 2 ☒ Test Pit ☐ Boring

0" Depth of Organic Horizon Above Mineral Soil

Texture	Consistency	Color	Mottling
Gravelly Loam	friable	10YR 3/4	
Loamy Gravel		10YR 3/4	
Gravel			None
Gravel	Loose	2.5Y 3/3	

DEPTH BELOW MINERAL SOIL SURFACE (inches)

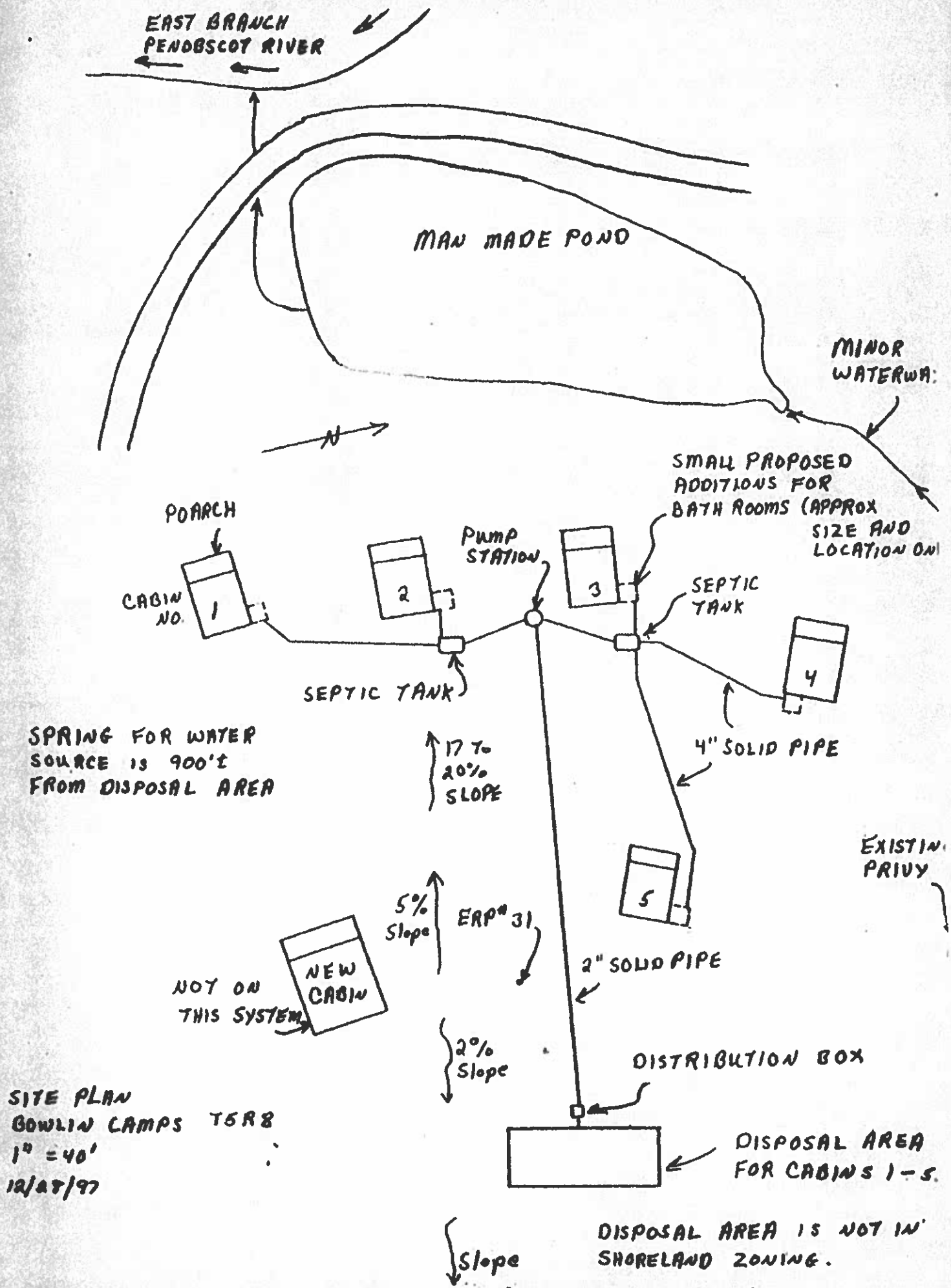
Soil Profile 6 Class B Slope 2-3% Limiting Factor ---

☐ Ground Water  
☐ Restrictive Layer  
☐ Bedrock

John R. Whitney  
Site Evaluator Signature

239  
SE

5/22/00 J.R.W.  
12/28/02  
Date





# SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Town, City or Plantation

Street, Road or Subdivision

Name of Owner

75 R9

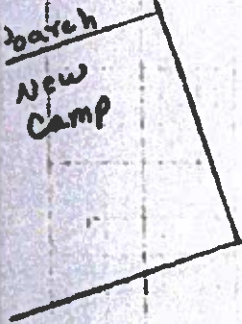
Bowlin Camps

Bowlin Road

Mike STROFF

## SUBSURFACE WASTEWATER DISPOSAL PLAN

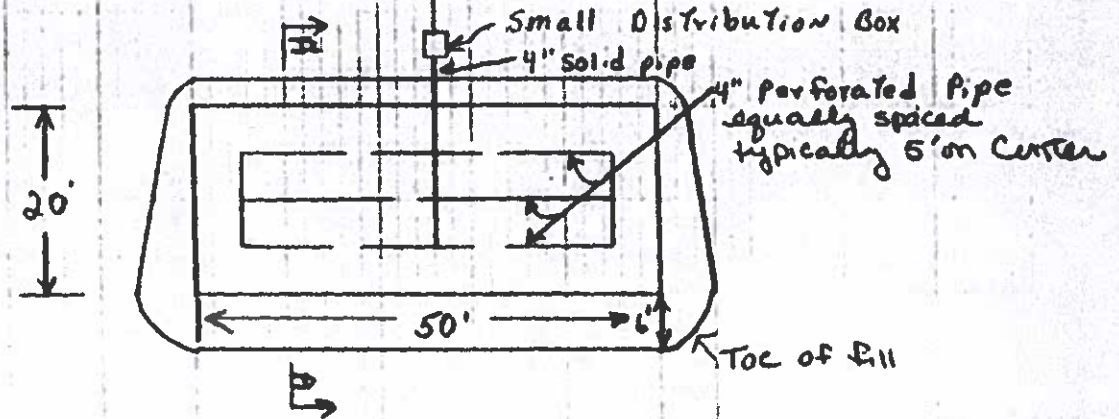
Scale: 1" = 20' FL



ERP#31 is on 24" White Pine Tree.

2" SOLID PIPE

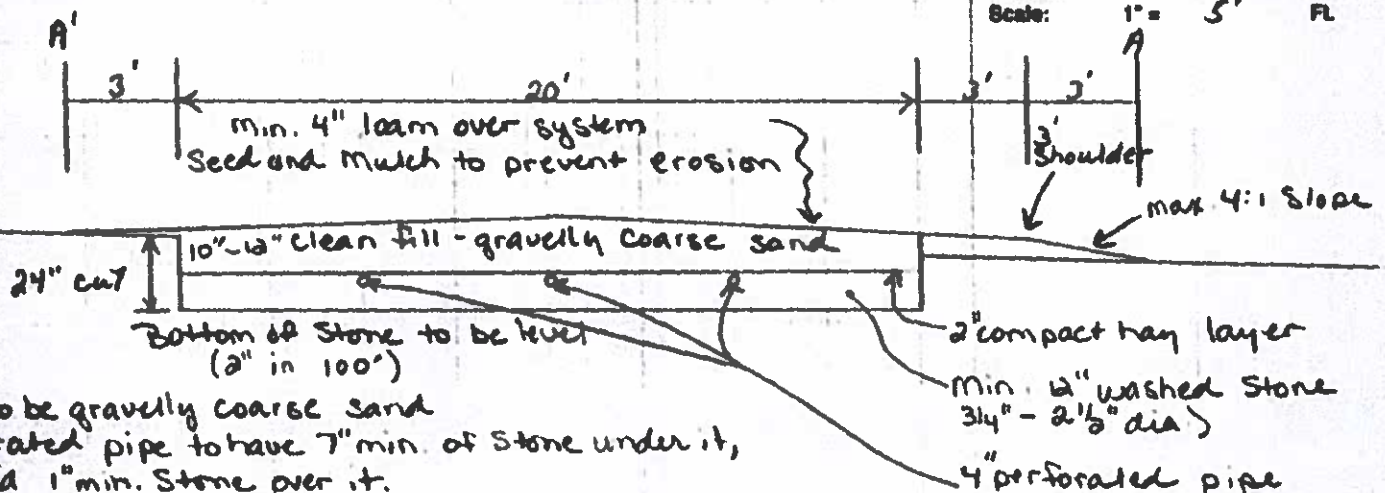
PROTECT ALL PIPES FROM FREEZING.



FILL REQUIREMENTS	CONSTRUCTION ELEVATIONS	ELEVATION REFERENCE POINT
Depth of Fill (Upslope) <u>0</u>	Finished Grade Elevation <u>-44"</u>	Location & Description <u>Nail in Tag #31</u>
Depth of Fill (Downslope) <u>7</u>	Top of Distribution Pipe or Proprietary Device <u>-52"</u>	<u>Nail is 40" above ground level</u>
	Bottom of Disposal Area <u>-62"</u>	Reference & Elevation <u>0"</u>

### DISPOSAL AREA CROSS SECTION

Scale:  
Vertical: 1" = 5' FL  
Scale: 1" = 5' FL



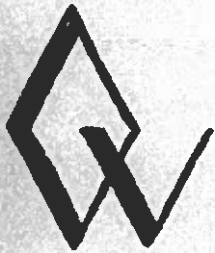
Fill to be gravelly coarse sand  
Perforated pipe to have 7" min. of Stone under it,  
and 1" min. Stone over it.

Area under stone and fill extensions to be scarified

John R. Whitney  
Site Evaluator Signature

239  
SE

5/22/00 J.R.W.  
12/28/97  
Date



**JOHN R. WHITNEY**

R.R. 3, BOX 431E  
LINCOLN, ME 04457  
207-794-8627

Registered  
Soil Scientist #348

Licensed  
Soil Site Evaluator #239

Mike Stross  
PO Box 251  
Patten, Maine 04765

Re: Bowlin Camps LLC

5-13-00

Dear Mr. Stross,

I have reviewed the HHE-200 Form completed on 12-28-97 for Bowlin Camps in T5R8. The size design and location of disposal field meets present code (6-1-99). The septic tank will have to be of monolithic construction or tested for water tightness in the presence of the local Plumbing Inspector. Local Plumbing Inspector should verify E.R.P. location.

If E.R.P. is missing, a site visit will be required to establish new one.

If you have any questions, or need further assistance, please give me a call 794-8627.

Sincerely,

John Whitney



ANGUS S. KING, JR.  
GOVERNOR

STATE OF MAINE  
DEPARTMENT OF HUMAN SERVICES  
DIVISION OF HEALTH ENGINEERING  
10 STATE HOUSE STATION  
AUGUSTA, MAINE  
04333-0010

KEVIN W. CONCANNON  
COMMISSIONER

June 9, 2000

Mike Stroff  
PO Box 251  
Patten ME 04765

**SUBJECT:** Approval, First Time System Variance Request, Bowlin Camps, T5 R8

Dear Mr. Stroff:

The Division has reviewed a first time system variance request and septic system design for the subject property. You are requesting approval to operate 5 cabins with a total of 20 single beds (4 beds/cabin). The state variance required is to allow a reduction in design flow from 50 gallons per bed to 25 gallons per bed due to the seasonal nature of the camp and no food preparation in the camps. The system design prepared by John Whitney, SE, dated 12-28-97 revised 5-22-00, is 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 the installation of the system is to be obtained from the Local Plumbing Inspector in advance of the start of construction.
2. The system must be installed in accordance with the submitted and approved system design. Should alterations to the design be required at the time of construction, the system designer must be notified before making any changes.
3. The variance approval is based only on the rules administered by this department. The approval does not relieve the property owner from compliance with all other state and local requirements for permitting, installing or utilizing the septic 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, nor the water quality of the well.

We will notify the Eating & Lodging Program of our acceptance of the system design. You may contact them at 287-5671 for further information regarding requirements for obtaining an operating license.

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

Sincerely,

*Linda S. Robinson*

Linda S. Robinson  
Wastewater & Plumbing Control Program  
Division of Health Engineering  
E-mail: linda.robinson@state.me.us

/lsr

cc: Robert Peterson, E&L  
Donald McAllister, District Sanitarian  
John Whitney, SE  
Claude Rounds, LPI





### GENERAL INFORMATION

### VARIANCE CONDITIONS

- The variance request has the approval of the LPI.
- The Municipal Officials have indicated that the variance does not conflict with any local wastewater disposal ordinances.
- 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.
- The proposed system does not conflict with any provision controlling subsurface wastewater disposal in the Shoreland Zone.
- The site offers potential for a system which will dispose of the wastewater with minimal threat to public health, safety, or welfare.
- The property owner has indicated an awareness of the variance and any limitations or added costs the proposed system may require.

(SEE TABLES 2000.1-2000.10)

	CHARACTERISTIC	POINT ASSESSMENT
Soil Profile		
Depth to Groundwater/Restrictive Layer		
Terrain		
Size of Property		
Waterbody Setback		
Water Supply		
Type of Development		
Disposal Area Adjustment		
Vertical Separation Adjustment		
Additional Treatment		
<b>TOTAL POINT ASSESSMENT (Sec. 2003.6)</b>		

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

## SECTION OF RULE

TABLE 501.2

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)

I, John R. Whitman #239, 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.

SIGNATURE OF SITE EVALUATOR Mr. R. Whitman #239 5/13/00  
DATE

# First Time System Variance Request

## PROPERTY OWNER

I, M. J. Struff III 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.

M. J. Struff III  
☒ SIGNATURE OF OWNER  
☐ AGENT FOR THE OWNER

2 June 00  
DATE

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

We, the Municipal Officer(s) of \_\_\_\_\_ 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 FOR THE MUNICIPALITY

\_\_\_\_\_  
TITLE

\_\_\_\_\_  
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, CLAUDE E. ROUNDS, 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.

Claude E. Rounds  
LPI Signature

5/25/00  
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.

Linda S. Robinson  
SIGNATURE OF THE DEPARTMENT

6/9/00  
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.