

# SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services  
Division of Health Engineering  
(207)289-3826

<b>PROPERTY ADDRESS</b>	
Town Or Plantation	Augusta
Street or Vision Lot #	off Riverside Dr Lot 1
<b>PROPERTY OWNERS NAME</b>	
968-2498	
Last: Farris	First: Carl
Applicant Name:	above
Mailing Address of Owner/Applicant (if Different)	Lakeview LBR China, Maine

AUGUSTA 1789 TOWN COPY

Date Permit Issued: 12/4/89 \$ 44.00  Double Fee Charged

Local Plumbing Inspector Signature: *George R. Farris* 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.

*Carl Farris*  
Signature of Owner/Applicant

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

*George R. Farris*  
Local Plumbing Inspector Signature

Date Approved: 12-6-89

## PERMIT INFORMATION

**THIS APPLICATION IS FOR:**

- NEW SYSTEM
- REPLACEMENT SYSTEM
- EXPANDED SYSTEM
- EXPERIMENTAL SYSTEM

**THIS APPLICATION REQUIRES:**

- NO RULE VARIANCE
- NEW SYSTEM VARIANCE  
Attach New System Variance Form
- REPLACEMENT SYSTEM VARIANCE  
Attach Replacement System Variance Form
- MINIMUM LOT SIZE VARIANCE

**INSTALLATION IS:**

COMPLETE SYSTEM

- NON-ENGINEERED SYSTEM
- PRIMITIVE SYSTEM  
(Includes Alternative Toilet)
- ENGINEERED (+ 2000 gpd)

**SEASONAL CONVERSION**  
to be completed by the LPI NA

- SYSTEM COMPLIES WITH RULES
- CONNECTED TO SANITARY SEWER
- SYSTEM INSTALLED - P#
- SYSTEM DESIGN RECORDED AND ATTACHED

**DISPOSAL SYSTEM TO SERVE:**

- SINGLE FAMILY DWELLING
- MODULAR OR MOBILE HOME
- MULTIPLE FAMILY DWELLING
- OTHER \_\_\_\_\_

SPECIFY

**INDIVIDUALLY INSTALLED COMPONENTS:**

- TREATMENT TANK (ONLY)
- HOLDING TANK \_\_\_\_\_ GAL
- ALTERNATIVE TOILET (ONLY)
- NON-ENGINEERED DISPOSAL AREA (ONLY)
- ENGINEERED DISPOSAL AREA (ONLY)
- SEPARATED LAUNDRY SYSTEM

**IF REPLACEMENT SYSTEM:**

YEAR FAILING SYSTEM INSTALLED \_\_\_\_\_

THE FAILING SYSTEM IS:

- BED
- CHAMBER
- TRENCH
- OTHER: NA

SIZE OF PROPERTY \_\_\_\_\_ ZONING: Residential

**TYPE OF WATER SUPPLY**  
to drill

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

**TREATMENT TANK**

- SEPTIC:  Regular  Low Profile
- AEROBIC

SIZE: 1000 GALS.

**WATER CONSERVATION**

- NONE
- LOW VOLUME TOILET
- SEPARATED LAUNDRY SYSTEM
- ALTERNATIVE TOILET

SPECIFY: \_\_\_\_\_

**PUMPING**

- NOT REQUIRED
- MAY BE REQUIRED  
(DEPENDS ON TREATMENT TANK LOCATION AND ELEVATION)
- REQUIRED

DOSE: \_\_\_\_\_ GALS.

**CRITERIA USED FOR DESIGN FLOW (BEDROOMS, SEATING, EMPLOYEES, WATER RECORDS, ETC.)**

Table 7-1  
3-Bedroom  
minimum  
DESIGN FLOW: 270 (GALLONS/DAY)

**SOIL CONDITIONS USED FOR DESIGN PURPOSES**

PROFILE	CONDITION
2	A III

DEPTH TO LIMITING FACTOR: 24.

**SIZE RATINGS USED FOR DESIGN PURPOSES**

- SMALL
- MEDIUM
- MEDIUM-LARGE
- LARGE
- EXTRA LARGE

**DISPOSAL AREA TYPE/SIZE**

- BED 1000 Sq. Ft.
- CHAMBER \_\_\_\_\_ Sq. Ft.
- TRENCH \_\_\_\_\_ Linear Ft.
- OTHER: \_\_\_\_\_

REGULAR  H-20

**SITE EVALUATOR STATEMENT**

On 12 Oct 89 (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.

*Roger M. Heber* Site Evaluator Signature      106 SE#      130 Oct 89 Date

Page 1 of 3  
HHE-200 Rev. 11/86

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Department of Human Services  
Division of Health Engineering

Town, City, Plantation

Street, Road, Subdivision

Owners Name

Augusta

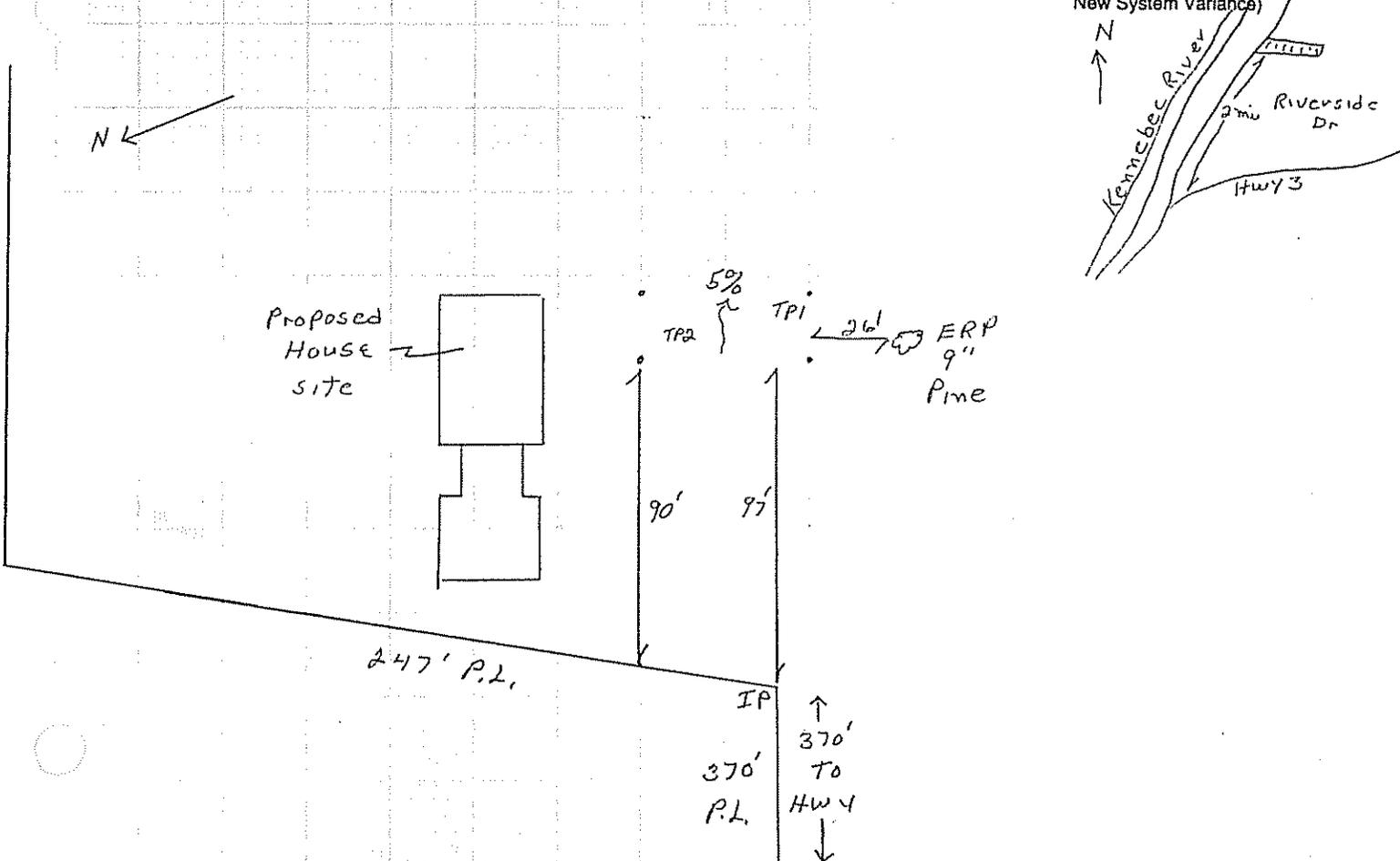
Lot 1 off Riverside Drive

Carl Ferris

## SITE PLAN

Scale 1" = 50 Ft.

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



### SOIL DESCRIPTION AND CLASSIFICATION

(Location of Observation Holes Shown Above)

Observation Hole 1  Test Pit  Boring  
" Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (Inches)	Texture	Consistency	Color	Mottling
0			D. Br	
6			Dark	
10	Sandy	friable	Yellow Brown	
15	Loam		L. Br	
20			Brown	
30				
40				
50				

Soil Profile <u>2</u>	Classification <u>AIII</u> Condition	Slope <u>5%</u>	Limiting Factor <u>27"</u>	<input type="checkbox"/> Ground Water <input type="checkbox"/> Restrictive Layer <input checked="" type="checkbox"/> Bedrock
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Observation Hole 2  Test Pit  Boring  
" Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (Inches)	Texture	Consistency	Color	Mottling
0			D. Br	
6				
10	Sandy	friable	Red Br	
15	Loam		Brown	
20				
30				
40				
50				

Soil Profile <u>2</u>	Classification <u>AIII</u> Condition	Slope <u>5%</u>	Limiting Factor <u>24"</u>	<input type="checkbox"/> Ground Water <input type="checkbox"/> Restrictive Layer <input checked="" type="checkbox"/> Bedrock
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Roger Heber  
Site Evaluator Signature

106  
SE#

130 Oct 89  
Date

# SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services  
Division of Health Engineering

Town, City, Plantation

Street, Road, Subdivision

Owners Name

Augusta

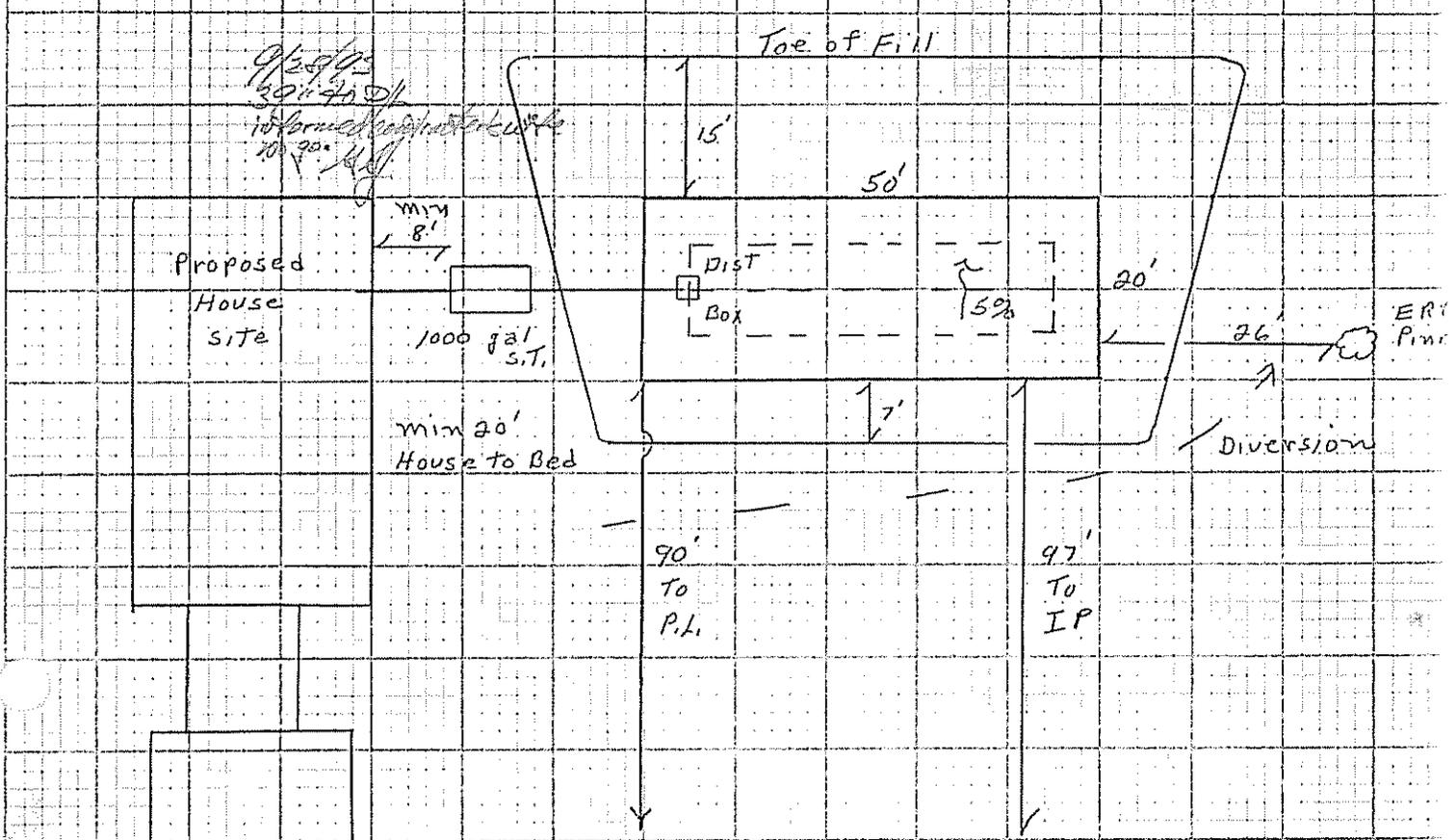
Lot 1 off Riverside Drive

Carl Farris

## SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale 1" = 20 Ft.

To location may vary depending on House location



### FILL REQUIREMENTS

Depth of Fill (Upslope)  
Depth of Fill (Downslope)

24"  
36"

### CONSTRUCTION ELEVATIONS

Reference Elevation is  
Bottom of Disposal Area  
Top of Distribution Lines or Chambers

00  
-48"  
-37"

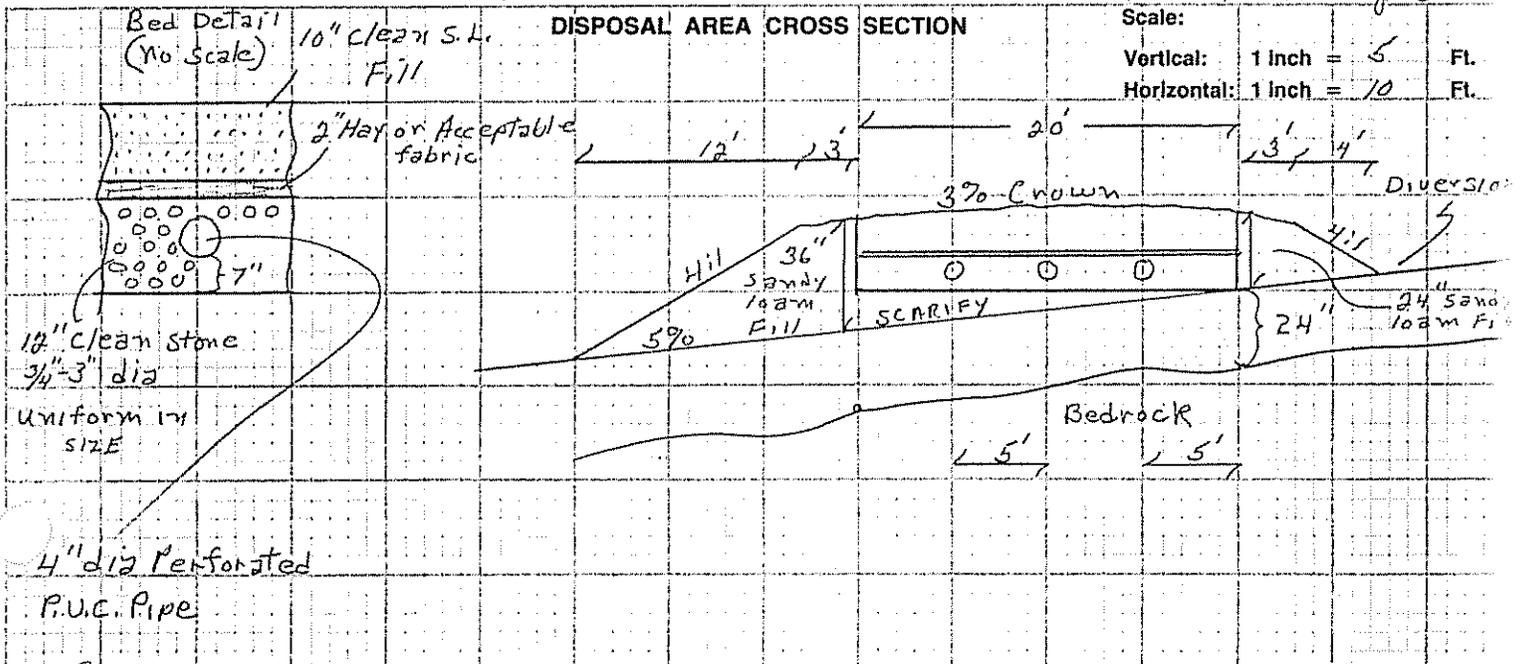
### ELEVATION REFERENCE POINT LOCATION & DESCRIPTION

Nail + Red flag in 9" Pine  
Notched - 49" above grd

### DISPOSAL AREA CROSS SECTION

Scale:

Vertical: 1 inch = 5 Ft.  
Horizontal: 1 inch = 10 Ft.



Arge Ullmer  
Site Evaluator Signature

106  
SE#

130 Oct 89  
Date

ADDITIONAL INFORMATION ABOUT YOUR SEPTIC SYSTEM

1. YOU SHOULD HAVE YOUR SEPTIC TANK PUMPED OUT AND CHECKED EVERY TWO YEARS OF MORE OFTEN TO PROLONG THE LIFE OF YOUR SYSTEM.

2. IF YOU PLAN TO INSTALL A GARBAGE DISPOSAL IN YOUR HOME YOU SHOULD HAVE THE NEXT AVAILABLE SIZE SEPTIC TANK INSTALLED. An alternative to this is the installation of a Zabel Industries Inc. Multi-purpose Filter, Model #A100 or equivalent on the outlet end of the septic tank.

3. Water softeners should drain to a separate grey water disposal system.

4. Your septic tank must be installed level and all joints, inspection covers etc. must be water tight. The same is necessary for a pump tank if your system requires one.

5. The outlet invert elevation should be equal to or higher than the finish grade of the septic field to avoid flooding of the tank and solids entering the field.

6. Your system is designed to handle laundry waste water provided a separated laundry system is not indicated on Page 1 of your HHE-200 form and the total daily design flow shown on Page 1 is not exceeded. If a low water toilet is required it must use less than 1.5 gallons per flush.

EXCERPTS FROM MAINE PLUMBING CODE

1. The vegetation in the proposed disposal area and fill extensions shall be removed and the ground surface scarified to minimize glazing of the original soil.

2. The bottom of the disposal area and distribution line shall be level with a maximum grade tolerance of 1 inch per 100 feet.

3. Fill shall be free of foreign material, placed in 8 inch lifts and compacted as placed. Fill shall be sandy loam or coarser and specified on application.

4. The finish grade of the backfill over the disposal area shall be crowned from the center of the disposal area at a 3% slope and extend 3 ft. beyond the edge of the disposal area. At that point the fill shall be sloped at a uniform grade of no greater than 25% to the original ground.

5. The land adjacent to the disposal area shall be graded to prevent both the accumulation of surface water on the disposal area, and the flow of surface water across the disposal area.

6. The finished disposal area and fill extensions shall be seeded to prevent erosion. (a) Grass, clover, trefoil, vetch, perennial wildflowers, or other herbaceous perennials may be utilized for disposal area surfaces. Woody shrubs are unacceptable. (b) Woody shrubs in conjunction with a hardy perennial ground cover may be used on fill extensions only.

5 DECEMBER 1993

Roger J. Weber  
RR 1 Box 2740  
Weeks Mills, Me. 04361

To Whom It May Concern:

On 4 December 1993 I inspected Lot 1 of a 3 lot subdivision owned by Carl Farris. This land is off Riverside Drive. I originally evaluated this lot on 12 October 89 and drew plans up 13 October 89.

The point in question, as explained to me, was whether the disposal bed met the depth measurements as outlined on the system application for Lot 1.

I took 3 measurements with a hand held level and wooden rule. The measurements were taken at each end of the disposal bed and one in the middle. The results, from ERP to the top of the distribution lines, were 37 inches at the end nearest the house to 37.5 inches at the far end. These measurements are compatible with the figure on the application, that figure being 37 inches.

Conclusion: The measurements in the field are compatible with the figure on Lot 1 application.



Roger J. Weber

623 8411 (work early)  
ext 5409

968-2498 Lake View Lumber

Carl Farris

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Department of Human Services  
Division of Health Engineering  
(207)289-3826

PROPERTY ADDRESS	
Town Or Plantation	Augusta
Street Division Lot #	off Riverside Dr Lot 1
PROPERTY OWNERS NAME	
968-2498	
Last: Farris	First: Carl
Applicant Name:	above
Mailing Address of Owner/Applicant (if Different)	Lakeview LBR China, Maine

**Caution: Permit Required**

The Subsurface Wastewater Disposal System shall not be installed until a Permit is attached here by the Local Plumbing Inspector. The Permit shall authorize the owner or installer to install the disposal system in accordance with this application and the Maine Subsurface Wastewater Disposal Rules.

**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 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.

\_\_\_\_\_  
Local Plumbing Inspector Signature

\_\_\_\_\_  
Date Approved

## PERMIT INFORMATION

<p><b>THIS APPLICATION IS FOR:</b></p> <ol style="list-style-type: none"> <li><input checked="" type="checkbox"/> NEW SYSTEM</li> <li><input type="checkbox"/> REPLACEMENT SYSTEM</li> <li><input type="checkbox"/> EXPANDED SYSTEM</li> <li><input type="checkbox"/> EXPERIMENTAL SYSTEM</li> </ol> <p><b>SEASONAL CONVERSION</b> to be completed by the LPI <u>NA</u></p> <ol style="list-style-type: none"> <li><input type="checkbox"/> SYSTEM COMPLIES WITH RULES</li> <li><input type="checkbox"/> CONNECTED TO SANITARY SEWER</li> <li><input type="checkbox"/> SYSTEM INSTALLED - P# <u>NA</u></li> <li><input type="checkbox"/> SYSTEM DESIGN RECORDED AND ATTACHED</li> </ol>	<p><b>THIS APPLICATION REQUIRES:</b></p> <ol style="list-style-type: none"> <li><input checked="" type="checkbox"/> NO RULE VARIANCE</li> <li><input type="checkbox"/> NEW SYSTEM VARIANCE Attach New System Variance Form</li> <li><input type="checkbox"/> REPLACEMENT SYSTEM VARIANCE Attach Replacement System Variance Form</li> <li><input type="checkbox"/> MINIMUM LOT SIZE VARIANCE</li> </ol>	<p><b>INSTALLATION IS:</b></p> <p>COMPLETE SYSTEM</p> <ol style="list-style-type: none"> <li><input checked="" type="checkbox"/> NON-ENGINEERED SYSTEM</li> <li><input type="checkbox"/> PRIMITIVE SYSTEM (Includes Alternative Toilet)</li> <li><input type="checkbox"/> ENGINEERED (+ 2000 gpd)</li> </ol> <p>INDIVIDUALLY INSTALLED COMPONENTS:</p> <ol style="list-style-type: none"> <li><input type="checkbox"/> TREATMENT TANK (ONLY)</li> <li><input type="checkbox"/> HOLDING TANK _____ GAL</li> <li><input type="checkbox"/> ALTERNATIVE TOILET (ONLY)</li> <li><input type="checkbox"/> NON-ENGINEERED DISPOSAL AREA (ONLY)</li> <li><input type="checkbox"/> ENGINEERED DISPOSAL AREA (ONLY)</li> <li><input type="checkbox"/> SEPARATED LAUNDRY SYSTEM</li> </ol>
<p><b>IF REPLACEMENT SYSTEM:</b></p> <p>YEAR FAILING SYSTEM INSTALLED _____</p> <p>THE FAILING SYSTEM IS:</p> <ol style="list-style-type: none"> <li><input type="checkbox"/> BED</li> <li><input type="checkbox"/> CHAMBER</li> <li><input type="checkbox"/> TRENCH</li> <li><input type="checkbox"/> OTHER: <u>NA</u></li> </ol>	<p><b>DISPOSAL SYSTEM TO SERVE:</b></p> <ol style="list-style-type: none"> <li><input checked="" type="checkbox"/> SINGLE FAMILY DWELLING</li> <li><input type="checkbox"/> MODULAR OR MOBILE HOME</li> <li><input type="checkbox"/> MULTIPLE FAMILY DWELLING</li> <li><input type="checkbox"/> OTHER _____</li> </ol> <p style="text-align: center;">SPECIFY</p>	<p><b>TYPE OF WATER SUPPLY</b></p> <p><u>to drill</u></p>
<p>SIZE OF PROPERTY _____</p> <p>ZONING <u>Residential</u></p>		

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

<p><b>TREATMENT TANK</b></p> <ol style="list-style-type: none"> <li><input checked="" type="checkbox"/> SEPTIC: <input type="checkbox"/> Regular <input checked="" type="checkbox"/> Low Profile</li> <li><input type="checkbox"/> AEROBIC</li> </ol> <p>SIZE: <u>1000</u> GALS.</p>	<p><b>WATER CONSERVATION</b></p> <ol style="list-style-type: none"> <li><input checked="" type="checkbox"/> NONE</li> <li><input type="checkbox"/> LOW VOLUME TOILET</li> <li><input type="checkbox"/> SEPARATED LAUNDRY SYSTEM</li> <li><input type="checkbox"/> ALTERNATIVE TOILET</li> </ol> <p>SPECIFY: _____</p>	<p><b>PUMPING</b></p> <ol style="list-style-type: none"> <li><input type="checkbox"/> NOT REQUIRED</li> <li><input checked="" type="checkbox"/> MAY BE REQUIRED (DEPENDING ON TREATMENT TANK LOCATION AND ELEVATION)</li> <li><input type="checkbox"/> REQUIRED</li> </ol> <p>DOSE: _____ GALS.</p>	<p>CRITERIA USED FOR DESIGN FLOW (BEDROOMS, SEATING, EMPLOYEES, WATER RECORDS, ETC.)</p> <p><u>Table 7-1</u></p> <p><u>3-Bedroom</u></p> <p><u>Minimum</u></p> <p>DESIGN FLOW: <u>270</u> (GALLONS/DAY)</p>				
<p><b>SOIL CONDITIONS USED FOR DESIGN PURPOSES</b></p> <table style="width: 100%;"> <tr> <th>PROFILE</th> <th>CONDITION</th> </tr> <tr> <td><u>2</u></td> <td><u>AIII</u></td> </tr> </table> <p>DEPTH TO LIMITING FACTOR: <u>24</u></p>	PROFILE	CONDITION		<u>2</u>	<u>AIII</u>	<p><b>SIZE RATINGS USED FOR DESIGN PURPOSES</b></p> <ol style="list-style-type: none"> <li><input type="checkbox"/> SMALL</li> <li><input type="checkbox"/> MEDIUM</li> <li><input checked="" type="checkbox"/> MEDIUM-LARGE</li> <li><input type="checkbox"/> LARGE</li> <li><input type="checkbox"/> EXTRA LARGE</li> </ol>	<p><b>DISPOSAL AREA TYPE/SIZE</b></p> <ol style="list-style-type: none"> <li><input checked="" type="checkbox"/> BED <u>1000</u> Sq. Ft.</li> <li><input type="checkbox"/> CHAMBER _____ Sq. Ft.</li> <li><input type="checkbox"/> TRENCH _____ Linear Ft.</li> <li><input type="checkbox"/> OTHER: _____</li> </ol>
PROFILE	CONDITION						
<u>2</u>	<u>AIII</u>						

**SITE EVALUATOR STATEMENT**

On 12 Oct 89 (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.

George Miller  
Site Evaluator Signature

106  
SE#

13 Oct 89  
Date

Page 1 of 3  
HHE-200 Rev. 11/86

(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

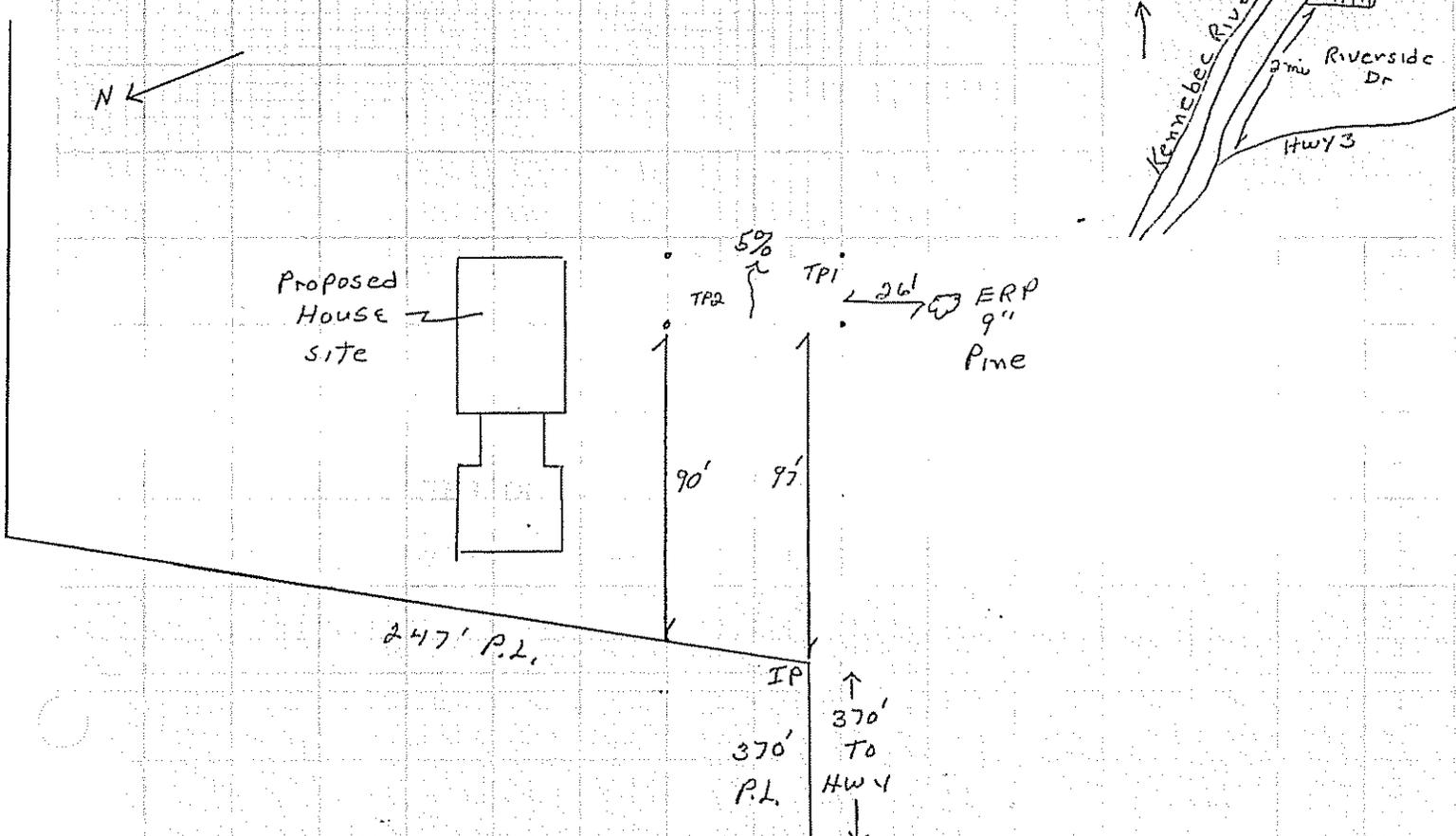
Lot 1 off Riverside Drive

Carl Ferris

## SITE PLAN

Scale 1" = 50 Ft.

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



### SOIL DESCRIPTION AND CLASSIFICATION

(Location of Observation Holes Shown Above)

Observation Hole 1  Test Pit  Boring  
" Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (Inches)	Texture	Consistency	Color	Mottling
0			D. Br	
6			Dark yellow	
10	Sandy Loam	friable	Brown	
15			L. Br	
20			Brown	
30			Bedrock	
40				
50				

Soil Profile 2 Classification AIII Slope 5 % Limiting Factor 27

Ground Water  
 Restrictive Layer  
 Bedrock

Observation Hole 2  Test Pit  Boring  
" Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (Inches)	Texture	Consistency	Color	Mottling
0			D. Br	
6			Dark yellow	
10	Sandy Loam	friable	Red Br	
15			Brown	
20				
30			Bedrock	
40				
50				

Soil Profile 2 Classification AIII Slope 5 % Limiting Factor 24

Ground Water  
 Restrictive Layer  
 Bedrock

*Roger M. Scher*  
Site Evaluator Signature

106  
SE#

130 Oct 89  
Date

