SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

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

PROPERTY ADDRESS

Town Or Plantation: Ellsworth

Street Subdivision Lot #: FIRE ROAD 103

PROPERTY OWNERS NAME

Last: MATHIS First: RALPH

Applicant Name:

Mailing Address of Owner/Applicant (If Different)

ELLSWORTH PERMIT # 1769 STATE COPY

Date Permit Issued: 5/7/91 $ 16.00 FEE ☐ If Double Fee Charged

Local Plumbing Inspector Signature L.P.I. # 955

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.

Ralph H. Mathis Jr 5/7/91

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

THIS APPLICATION IS FOR:
1. ■ NEW SYSTEM
2. ☐ REPLACEMENT SYSTEM
3. ☐ EXPANDED SYSTEM
4. ☐ EXPERIMENTAL SYSTEM

SEASONAL CONVERSION
to be completed by the LPI
5. ☐ SYSTEM COMPLIES WITH RULES
6. ☐ CONNECTED TO SANITARY SEWER
7. ☐ SYSTEM INSTALLED – P# _____
8. ☐ SYSTEM DESIGN RECORDED AND ATTACHED N/A

IF REPLACEMENT SYSTEM:
YEAR FAILING SYSTEM INSTALLED _____
THE FAILING SYSTEM IS:
1. ☐ BED 3. ☐ TRENCH
2. ☐ CHAMBER 4. ☐ OTHER N/A

SIZE OF PROPERTY: 212 X 282

ZONING: Shore Land

THIS APPLICATION REQUIRES:
1. ■ NO RULE VARIANCE
2. ☐ NEW SYSTEM VARIANCE Attach New System Variance Form
3. ☐ REPLACEMENT SYSTEM VARIANCE Attach Replacement System Variance Form
   a. ☐ Requiring Local Plumbing Inspector Approval
   b. ☐ Requires State and Local Plumbing Inspector Approval
4. ☐ MINIMUM LOT SIZE VARIANCE

DISPOSAL SYSTEM TO SERVE:
1. ■ SINGLE FAMILY DWELLING
2. ☐ MODULAR OR MOBILE HOME
3. ☐ MULTIPLE FAMILY DWELLING
4. ☐ OTHER _____ SPECIFY

INSTALLATION IS:
COMPLETE SYSTEM
1. ■ NON-ENGINEERED SYSTEM
2. ☐ PRIMITIVE SYSTEM (Includes Alternative Toilet)
3. ☐ ENGINEERED (+ 2000 gpd)

INDIVIDUALLY INSTALLED COMPONENTS:
4. ☐ TREATMENT TANK (ONLY)
5. ☐ HOLDING TANK _____ GAL
6. ☐ ALTERNATIVE TOILET (ONLY)
7. ☐ NON-ENGINEERED DISPOSAL AREA (ONLY)
8. ☐ ENGINEERED DISPOSAL AREA (ONLY)
9. ☐ SEPARATED LAUNDRY SYSTEM

TYPE OF WATER SUPPLY
PROPOSED DRILLED WELL

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

TREATMENT TANK
1. ■ SEPTIC ■ Regular ☐ Low Profile
2. ☐ AEROBIC

SIZE: 1000 GALS.

WATER CONSERVATION
1. ■ NONE
2. ☐ LOW VOLUME TOILET
3. ☐ SEPARATED LAUNDRY SYSTEM
4. ☐ ALTERNATIVE TOILET
SPECIFY: _____

PUMPING
1. ☐ NOT REQUIRED
2. ☐ MAY BE REQUIRED (DEPENDING ON TREATMENT TANK LOCATION AND ELEVATION)
3. ■ REQUIRED
DOSE: Check manufacturers Req. GALS.

CRITERIA USED FOR DESIGN FLOW (BEDROOMS, SEATING, EMPLOYEES, WATER RECORDS, ETC.)
3 Bed Room Home. Minimum

SOIL CONDITIONS USED FOR DESIGN PURPOSES

PROFILE	CONDITION
3	CA III

DEPTH TO LIMITING FACTOR: 20"

SIZE RATINGS USED FOR DESIGN PURPOSES
1. ☐ SMALL
2. ☐ MEDIUM
3. ■ MEDIUM-LARGE
4. ☐ LARGE
5. ☐ EXTRA LARGE

DISPOSAL AREA TYPE/SIZE
1. ☐ BED _____ Sq. Ft.
2. ■ CHAMBER 459 Sq. Ft.
   ☐ REGULAR ☐ H-20
3. ☐ TRENCH _____ Linear Ft.
4. ☐ OTHER _____

DESIGN FLOW: 270 GPD (GALLONS/DAY)

SITE EVALUATOR STATEMENT

On April 20, 1991 (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.

John Holdsworth Site Evaluator Signature

261 SE#

5/9/91 Date

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

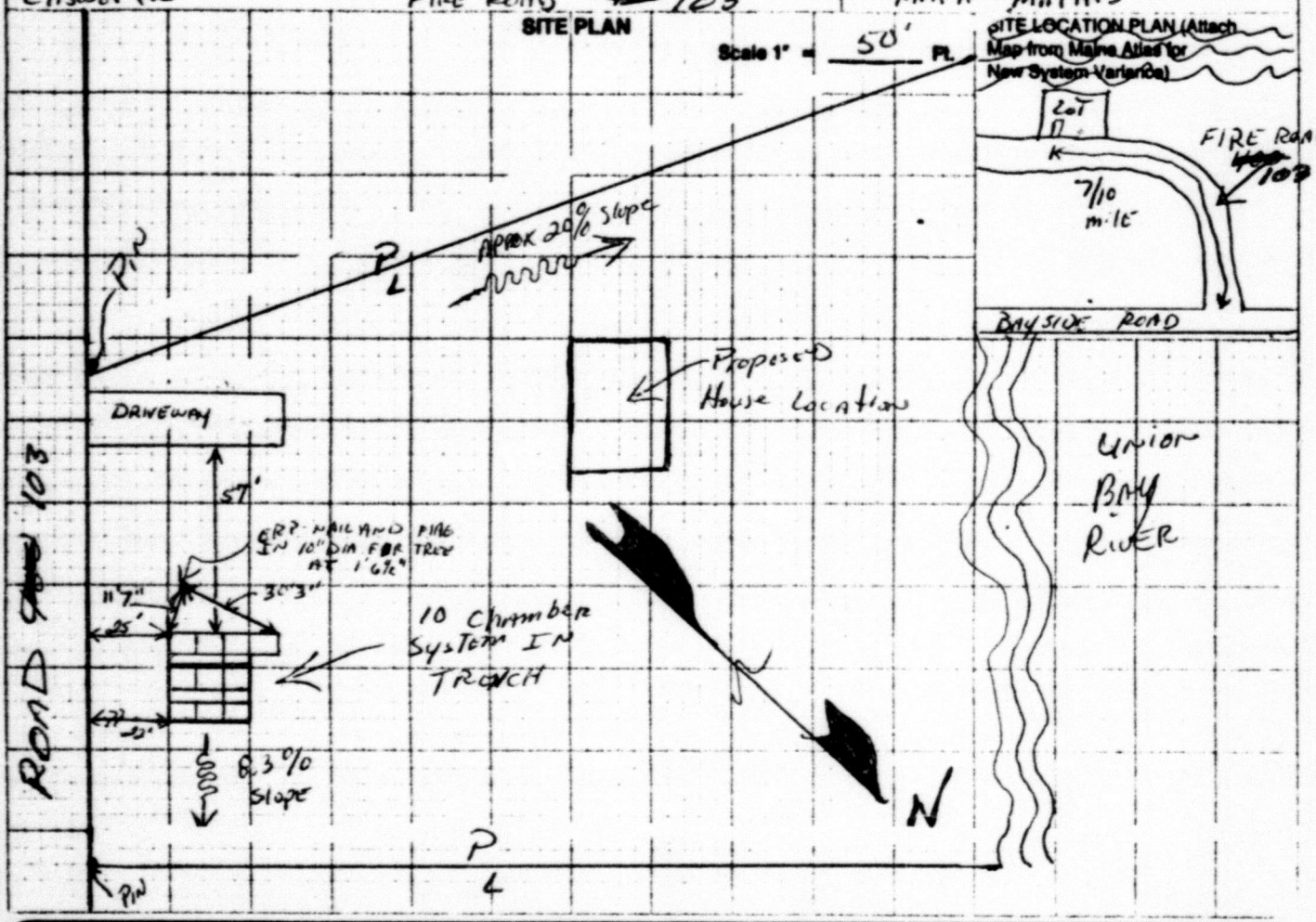
SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering

Town, City, Plantation: Ellsworth | Street, Road, Subdivision: FIRE ROAD ~~103~~ | Owners Name: RALPH MATHIS

SITE PLAN

Scale 1" = 50' PL



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

Observation Hole TP#1 ☒ Test Pit ☐ Boring

1" * Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (Inches)	Texture	Consistency	Color	Mottling
0	LOAM	FRIABLE	BROWN	NONE PRESENT
8			GRAY ALBIC	
10	SANDY LOAM		RED BROWN	
15		FIRM		
20			YELLOW BROWN	
30				
40				
50				

Soil	Classification	Slope	Limiting Factor	
3 (Profile)	C till (Condition)	8.3 %	20"	☐ Ground Water ☒ Restrictive Layer ☐ Bedrock

Observation Hole _____ ☐ Test Pit ☐ Boring

_____ * Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (Inches)	Texture	Consistency	Color	Mottling
0				
8				
10				
15				
20				
30				
40				
50				

Soil	Classification	Slope	Limiting Factor	
(Profile)	(Condition)	%		☐ Ground Water ☐ Restrictive Layer ☐ Bedrock

John Haldeman
Site Evaluator Signature

251
SE#

5/9/91
Date

HHE-200 Rev. 1/84

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering

Town, City, Plantation: Ellsworth

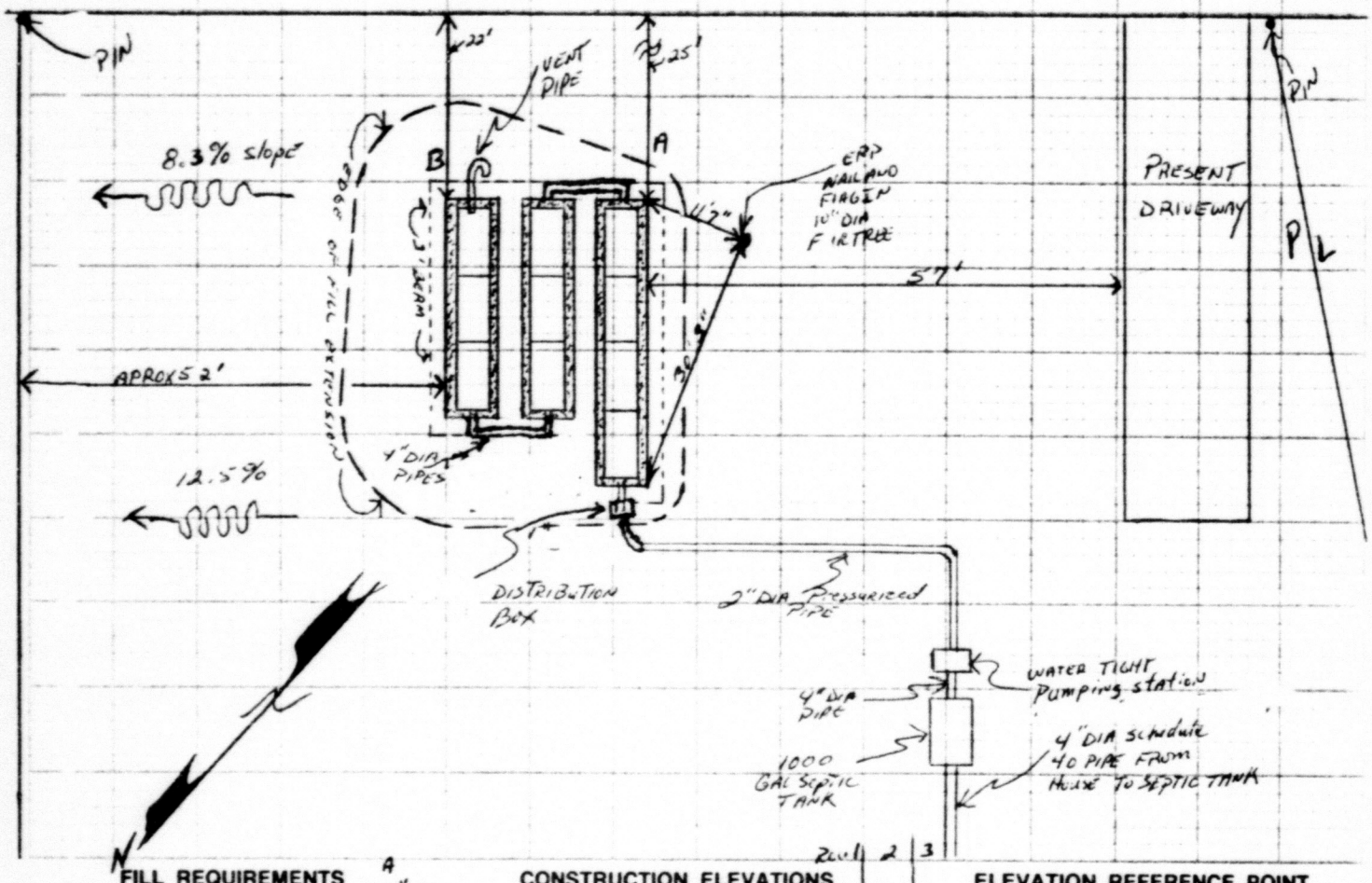
Street, Road, Subdivision: FIRE ROAD ~~106~~ 103

Owners Name: RALPH MATHIS

SUBSURFACE WASTEWATER DISPOSAL PLAN

FIRE ROAD ~~106~~ 103

Scale 1" = 20' Ft.



FILL REQUIREMENTS

Depth of Fill (Upslope)	11"
Depth of Fill (Downslope)	17"

CONSTRUCTION ELEVATIONS

A	11"	Reference Elevation is
	17"	Bottom of Disposal Area
B		Top of Distribution Lines or Chambers

Level	2	3
-0-	-0-	-0-
-4 1/2	5 7/8	70"
-3 1/2	4 7/8	57"

ELEVATION REFERENCE POINT LOCATION & DESCRIPTION

ERP- NAIL AND FLAGGIN 10" DIA FIR TREE AT 1'6 1/2"

DISPOSAL AREA CROSS SECTION

Scale:

Vertical: 1 inch = Ft.

Horizontal: 1 inch = Ft.

" "

PLEASE SEE ATTACHED COPY

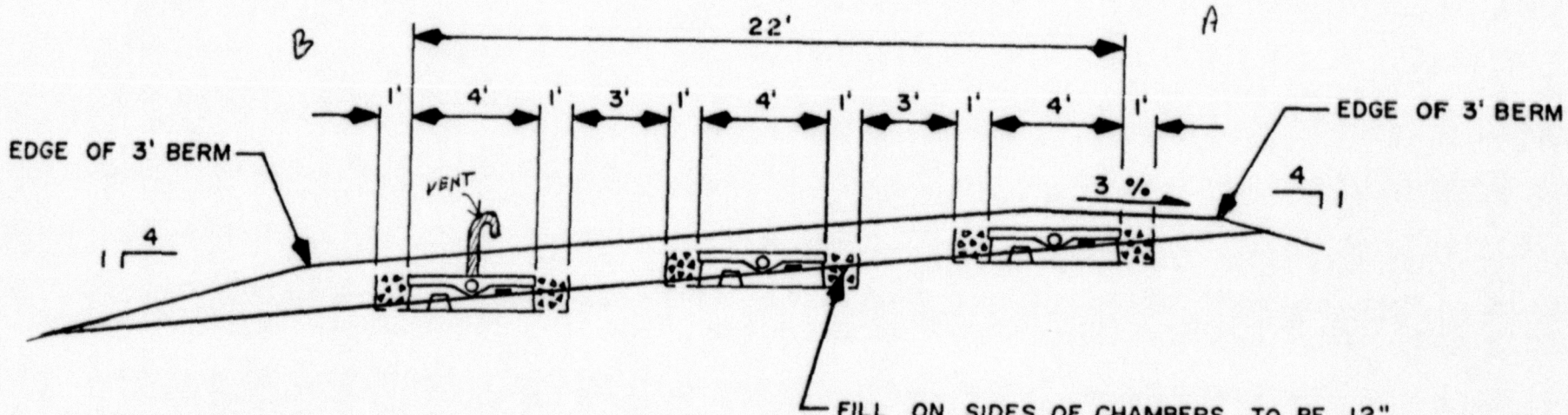
John Holbrook — Site Evaluator Signature

284 — SE#

5/9/91 — Date

HHE-200 Rev 1 84

CHAMBER CROSS SECTION 8 - 9 %



FILL ON SIDES OF CHAMBERS TO BE 12" OF CRUSHED STONE.

FILL AROUND CHAMBERS TO BE SANDY LOAM TO LOAMY SAND TEXTURE.

FILL UNDER CHAMBERS TO BE SANDY LOAM TO LOAMY SAND. TEXTURE.

Notes:

1. Remove vegetation and scarify original soil under chambers and fill extension areas.
2. Bottom of chambers to be level with a Maximum grade tolerance of 1" per 100'.
3. Provide for surface drainage away from chamber area
4. Fininhed grade shall be seeded and mulched to prevent erosion.
5. A minimum of 6" of clean fill over the chambers is required.

OWNER: RALPH MATHIS	NO. OF CHAMBERS: 10	PERCENT SLOPE: 8.3%
LOCATION: FIRE ROAD ~~103~~ 103, Ellsworth, ME. 04605	ELEVATIONS	
DATE: 5/9/91	SCALE: 1" = 5'	REF. POINT: -0-
SITE EVALUATOR: John H Ellsworth		BOTTOM TRENCH (1): -45½
		BOTTOM TRENCH (2): -59¾
		BOTTOM TRENCH (3): -70"