SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Dept. Health & Human Services
Division of Health Engineering, 10 SHS
(207) 287-5672 Fax: (207) 287-3165

PROPERTY LOCATION

City, Town, or Plantation	Livermore
Street or Road	River Road
Subdivision, Lot #	N/A

>> CAUTION: PERMIT REQUIRED - ATTACH IN SPACE BELOW <<

LIVERMORE PERMIT # 1172 STATE COPY

Date Permit Issued: 6/7/06 $ 100 ☐ If Double Fee Charged

Tom Hall
Local Plumbing Inspector Signature

L.P.I. # 923

OWNER/APPLICANT INFORMATION

Name (last, first, MI): Shea Mike ☒ Owner ☐ Applicant

Mailing Address of Owner/Applicant: c/o Mark Densmore; Jay, ME 04239

Daytime Tel. #: N/A

Municipal Tax Map # _____ Lot # _____

OWNER OR APPLICANT STATEMENT
I state and acknowledge 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.

Signature of Owner or Applicant — Date: 1 Sept 06

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 — (1st) date approved — (2nd) date approved

PERMIT INFORMATION

TYPE OF APPLICATION
- ☒ 1. First Time System
- ☐ 2. Replacement System
  - Type replaced: _____
  - Year installed: _____
- ☐ 3. Expanded System
  - ☐ a. Minor Expansion
  - ☐ b. Major Expansion
- ☐ 4. Experimental System
- ☐ 5. Seasonal Conversion

THIS APPLICATION REQUIRES
- ☒ 1. No Rule Variance
- ☐ 2. First Time System Variance
  - ☐ a. Local Plumbing Inspector Approval
  - ☐ b. State & Local Plumbing Inspector Approval
- ☐ 3. Replacement System Variance
  - ☐ a. Local Plumbing Inspector Approval
  - ☐ b. State & Local Plumbing Inspector Approval
- ☐ 4. Minimum Lot Size Variance
- ☐ 5. Seasonal Conversion Permit

DISPOSAL SYSTEM COMPONENTS
- ☒ 1. Complete Non-engineered System
- ☐ 2. Primitive System (graywater & alt. toilet)
- ☐ 3. Alternative Toilet, specify: _____
- ☐ 4. Non-engineered Treatment Tank (only)
- ☐ 5. Holding Tank, _____ gallons
- ☐ 6. Non-engineered Disposal Field (only)
- ☐ 7. Separated Laundry System
- ☐ 8. Complete Engineered System (2000 gpd or more)
- ☐ 9. Engineered Treatment Tank (only)
- ☐ 10. Engineered Disposal Field (only)
- ☐ 11. Pre-treatment, specify: _____
- ☐ 12. Miscellaneous Components

SIZE OF PROPERTY
2 A ± ☐ SQ. FT. ☒ ACRES

SHORELAND ZONING
☐ Yes ☒ No

DISPOSAL SYSTEM TO SERVE
- ☒ 1. Single Family Dwelling Unit, No. of Bedrooms: 3
- ☐ 2. Multiple Family Dwelling, No. of Units: ____
- ☐ 3. Other: _____ (specify)

Current Use ☐ Seasonal ☐ Year Round ☒ Undeveloped

TYPE OF WATER SUPPLY
☒ 1. Drilled Well ☐ 2. Dug Well ☐ 3. Private
☐ 4. Public ☐ 5. Other → Proposed

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

TREATMENT TANK
- ☒ 1. Concrete
  - ☒ a. Regular
  - ☐ b. Low Profile
- ☐ 2. Plastic
- ☐ 3. Other: _____
- CAPACITY: 1000 GAL.

DISPOSAL FIELD TYPE & SIZE
- ☒ 1. Stone Bed ☐ 2. Stone Trench
- ☐ 3. Proprietary Device
  - ☐ a. cluster array ☐ c. Linear
  - ☐ b. regular load ☐ d. H-20 load
- Use Other: 20' X 45'
- SIZE: 900 ☒ sq. ft. ☐ lin. ft.

GARBAGE DISPOSAL UNIT
☐ 1. No ☐ 2. Yes ☐ 3. Maybe
If Yes or Maybe, specify one below:
- ☐ a. multi-compartment tank
- ☐ b. ___ tanks in series Recommended
- ☐ c. increase in tank capacity Other
- ☒ d. Filter on Tank Outlet Filter

DESIGN FLOW
" 270 " gallons per day
BASED ON:
- ☒ 1. Table 501.1 (dwelling unit(s))
- ☐ 2. Table 501.2 (other facilities)

SHOW CALCULATIONS for other facilities
Proposed New 3 Bedroom Single Family Dwelling
- ☐ 3. Section 503.0 (meter readings)

ATTACH WATER METER DATA

SOIL DATA & DESIGN CLASS
PROFILE CONDITION DESIGN
3 / C / A
at Observation Hole # 1 & 2
Depth 40"-60"
of Most Limiting Soil Factor 24"

DISPOSAL FIELD SIZING
- ☐ 1. Small—2.0 sq. ft. / gpd
- ☐ 2. Medium—2.6 sq. ft. / gpd
- ☒ 3. Medium—Large 3.3 sq. ft. / gpd
- ☐ 4. Large—4.1 sq. ft. / gpd
- ☐ 5. Extra Large—5.0 sq. ft. / gpd

EFFLUENT/EJECTOR PUMP
- ☒ Not Required
- ☐ 2. May Be Required
- ☐ 3. Required

Specify only for engineered systems:
DOSE: _____ gallons

LATITUDE AND LONGITUDE
at center of disposal area
Lat. 44 d 24 m 911 s
Lon. 070 d 10 m 782 s
If g.p.s, state margin of error: 26'

SITE EVALUATOR STATEMENT

I certify that on 3/25/04 & 6/28/06 (date) I completed a site evaluation on this property and state that the data reported are accurate and that the proposed system is in compliance with the State of Maine Subsurface Wastewater Disposal Rules (10-144A CMR 241).

Site Evaluator Signature	SE #	Date
Steve Hamilton	173	6/28/06

Site Evaluator Name Printed	Telephone Number	E-mail Address
Steve Hamilton	207-897-6962	N/A

Note: Changes to or deviations from the design should be confirmed with the Site Evaluator.

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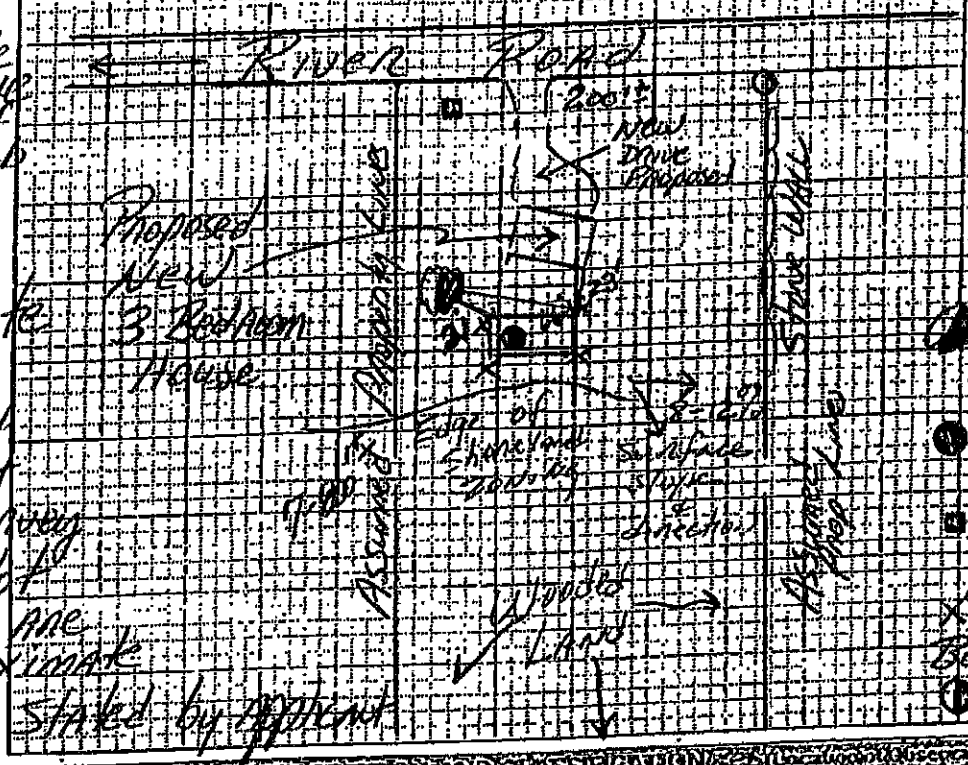
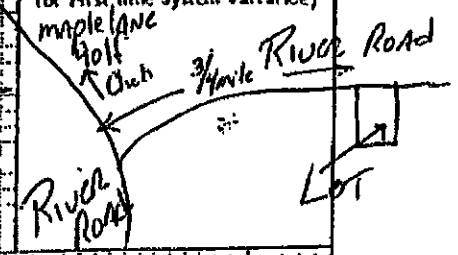
Town, City, Plantation	Street, Road, Subdivision	Owner or Applicant Name
Livermore	River Road	Mike Shea

SITE PLAN Scale: 1" = 100' ft.



SITE LOCATION MAP
(Attach map from Maine Atlas for First Time System Variance)



"Legend"
- ● = Reference Elevation Point
- ● = Test Pits 1 & 2
- ■ = Possible Well Location
- x = Flags set to show Bed corners
- ◐ = Found Iron Pin

*Note This sketch is not a survey. The lot lines are approximate and stated by applicant

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

Observation Hole # 1 & 2 ☒ Test Pits ☐ Boring

1" Depth of organic horizon above mineral soil

Depth below mineral soil surface (inches)	Texture	Consistency	Color	Mottling
0	fine sandy loam		Brown	
6	sandy loam		yell/brn	
12				
18	loamy sand soils	Friable	olive brn	
24				
30	Imp fragipan	to firm + restrictive	olive + gray	many + distinct
36				
42	Angular glacial till possible Bedrock	Rounded over		
48				

Soil Profile	Classification Condition	Slope Percent	Limiting Factor Depth
3	C/A	8-12	24

☒ Groundwater ☐ 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
6	The Reference Elevation Point is a nail set in a 5" inch flagged Pine Tree. The disposal area to the bottom will be 84" inches below the nail set in the Ref Elev. Point. The nail measures 48" inches up from the soil surface.			
12				
18				
24				
30				
36				
42				
48				

Soil Profile	Classification Condition	Slope Percent	Limiting Factor Depth

☐ Groundwater ☐ Restrictive Layer ☐ Bedrock

Steve Hamilton — Site Evaluator Signature
173 — SE #
6/28/06 — Date

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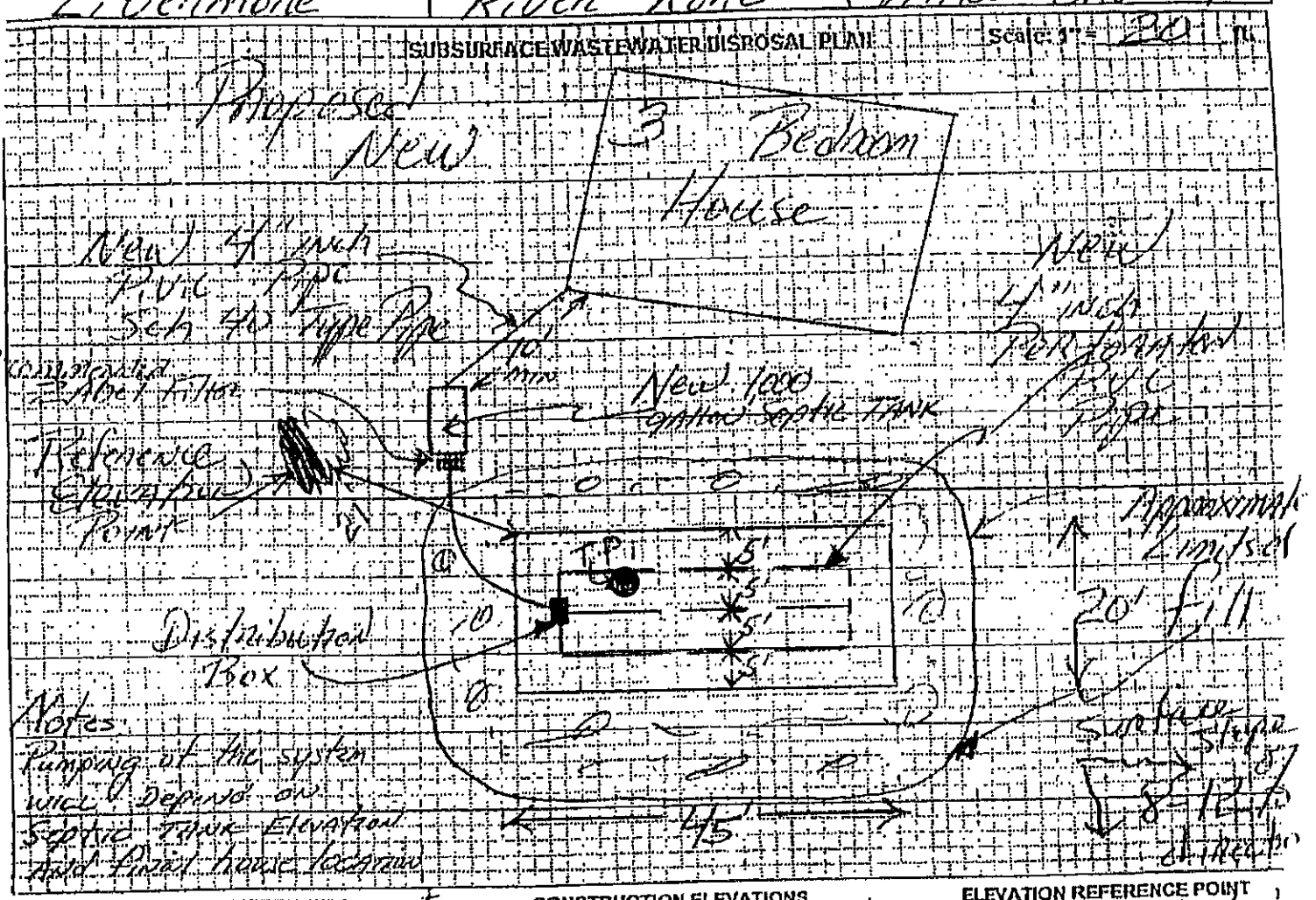
Livermore	River Road	Mike Shea

SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale: 1" = 20 ft.



BACKFILL REQUIREMENTS

Depth of Backfill (upslope) 12-15" t
Depth of Backfill (downslope) 15-40" t
DEPTHS AT CROSS-SECTION (shown below)

CONSTRUCTION ELEVATIONS

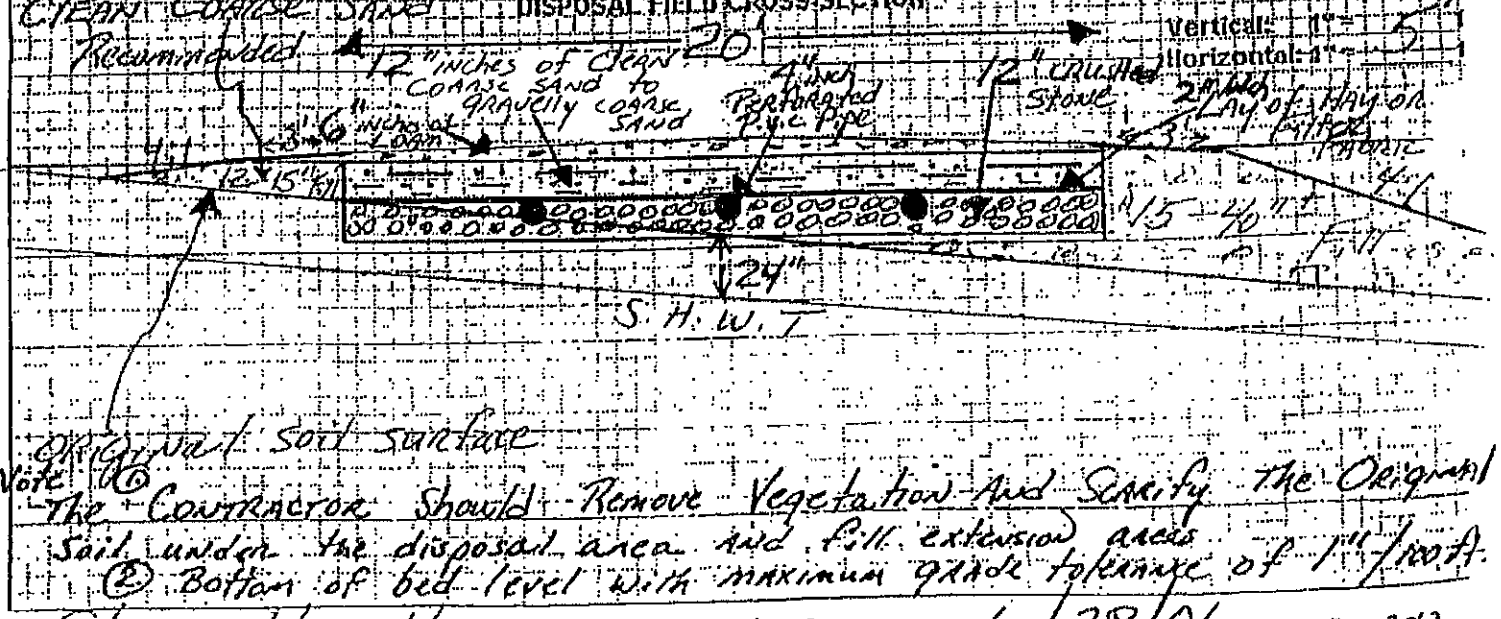
Finished Grade Elevation — 56"
Top of Distribution Pipe or Proprietary Device — 72"
Bottom of Disposal Field — 84"

ELEVATION REFERENCE POINT

Location & Description: Nail set in 5" Pine Tree. Near Rear of House
Reference Elevation is: 0.0" or: 0"

DISPOSAL FIELD CROSS-SECTION

Scales: Vertical: 1" = 5' Horizontal: 1" = 5'



Note: ① The Contractor Should Remove Vegetation And Scarify The Original Soil Under The disposal area And Fill extension areas To a Depth of 1" to 2".
② Bottom of bed level With maximum grade tolerance of 1" /100 ft.

Steve Hamilton — Site Evaluator Signature
173 — SE #
6/28/06 — Date