SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Department of Human Services
Division of Health Engineering, Station 10
(207) 287-5672 FAX (207) 287-4172

PROPERTY LOCATION

City, Town, or Plantation	Topsham
Street or Road	176 Middlesex Rd.
Subdivision, Lot #	-

>> Caution: Permit Required -- Attach In Space Below <<

TOPSHAM PERMIT # 3199 STATE COPY

Date Permit Issued: 7/27/01 $ 110 ☐ If Double Fee Charged FEE

Local Plumbing Inspector Signature L.P.I. # 190

OWNER/APPLICANT INFORMATION

Name (last, first, MI)
Owner Whitewater, Barbara R. ☐
Applicant ☐

Mailing Address of ☒ Owner ☐ Applicant	176 Middlesex Rd.
	Topsham, ME 04086
Daytime Tel. #	(207) 725-4676

Municipal Tax Map # U-12 Lot # 8

Owner or Applicant 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.

Barbara Whitewater 1-27-01
Signature of Owner or 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 Application.

Local Plumbing Inspector Signature Date Approved

PERMIT INFORMATION

TYPE OF APPLICATION

1. ☐ First Time System
2. ☒ Replacement System
   Type Replaced: unknown
   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 Approval

DISPOSAL SYSTEM COMPONENT(S)

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:

SIZE OF PROPERTY

40,380 ☒ 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

TYPE OF WATER SUPPLY

1. ☐ Drilled Well 2. ☐ Dug Well 3. ☐ Private
4. ☒ Public 5. ☐ Other:

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

TREATMENT TANK

1. ☒ Concrete
   a. ☒ Regular
   b. ☐ Low Profile
2. ☐ Plastic
3. ☐ Other: _____

CAPACITY 1000 gallons

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
4. ☐ Other: 3 rows of 5 plastic chambers

SIZE 31.25' x 17' ☐ sq. ft. ☐ lin. ft.

GARBAGE DISPOSAL UNIT

1. ☒ No 2. ☐ Maybe
2. ☐ Yes >> Specify one below:
   a. ☐ Multi-compartment Tank
   b. ☐ Tanks in Series
   c. ☐ Increase in Tank Capacity
   d. ☐ Filter on Tank Outlet

DESIGN FLOW

270 gallons per day

BASED ON:

1. ☒ Table 901.1 (dwelling unit(s)
2. ☐ Table 901.2 (other facilities)

SHOW CALCULATIONS -- for other facilities --

SOIL DATA & DESIGN CLASS

PROFILE CONDITION DESIGN

5 / C / 2

at Observation Hole # TH-1

Depth 46" Elevation -46" OF MOST LIMITING SOIL FACTOR

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

PUMPING

1. ☒ Not Required
2. ☐ May Be Required
3. ☐ Required >> Specify only for engineered or experimental systems:

DOSE: gallons

3. ☐ Section 903.0 (meter readings)

ATTACH WATER-METER DATA

SITE EVALUATOR STATEMENT

I Certify that on July 10, 2001 (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).

Donald W. Newberg
Site Evaluator Signature

248
SE #

July 24 2001
Date

Donald W. Newberg
Site Evaluator Name Printed

(207) 833-6336
Telephone #

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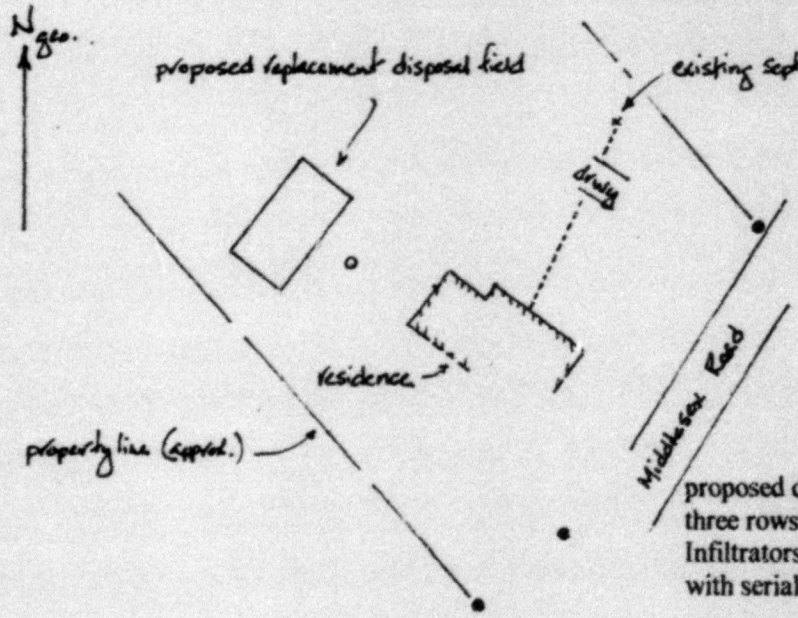
Department of Human Services
Division of Health Engineering
(207) 287-5672 FAX (207) 287-4172

Town, City, Plantation: Topsham | Street, Road Subdivision: 176 Middlesex Rd. | Owner's Name: Whitewater, Barbara Russell

SITE PLAN

Scale 1" = 50 Ft. or as shown



SITE LOCATION PLAN



proposed disposal field, 31.25' x 17', consists of three rows (or trenches), each with 5 "high capacity" Infiltrators; effluent flow by gravity to disposal field with serial distribution as shown on page 3

new 1000 gal. septic tank is to be set approximately 20' from the residence and 10' from the driveway; details of tank orientation and piping are purposely not specified...and are to be determined by the installer

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

Observation Hole TH-1 ☐ Test Pit ☒ Boring

1 " Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (inches)

	Texture	Consistency	Color	Mottling
0–10	loamy med. sand	loose to somewhat friable	10YR 3/4 dk. yel. br.	
10–20	same ...		10YR 4/6 dk. yel. br	(more)
20–30	to medium to coarse sand	loose	10YR 5/8 yel. br.	
30–40			10YR 6/6 lt. yel. br.	
40–50			(bottom of hole at 46")	

Soil Classification	Slope	Limiting Factor	
S (Profile) / C (Condition)	8-11 %	46"	☐ Ground Water ☐ Restrictive Layer ☐ Bedrock ☒ Pit Depth

Observation Hole _____ ☐ Test Pit ☐ Boring

_____ " Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (inches)

	Texture	Consistency	Color	Mottling
0–50				

Soil Classification	Slope	Limiting Factor	
Profile / Condition	%	"	☐ Ground Water ☐ Restrictive Layer ☐ Bedrock ☐ Pit Depth

Site Evaluator Signature | 268 SE # | July 24, 2001 Date

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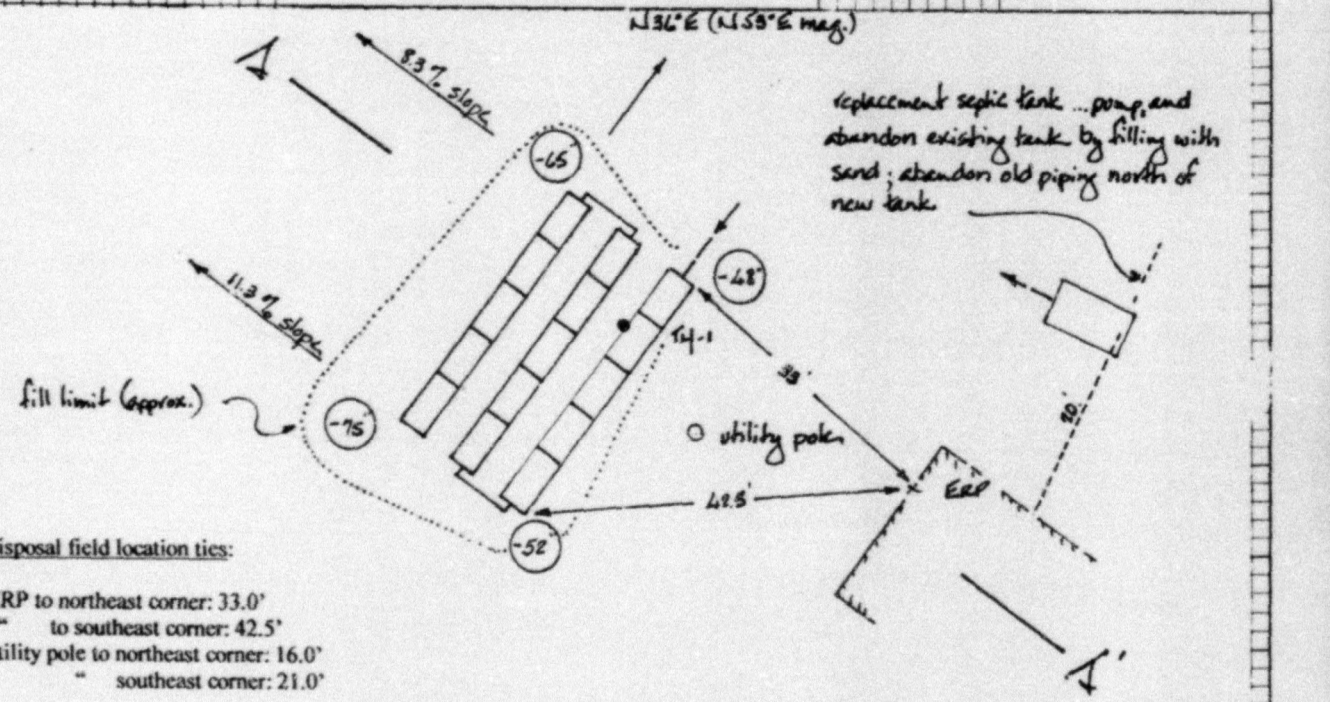
Town, City, Plantation	Street, Road, Subdivision	Owner's Name
Topsham	176 Middlesex Rd.	Whitewater, Barbara Russell

SUBSURFACE WASTEWATER DISPOSAL PLAN

SCALE 1" = 20 FT



disposal field location ties:

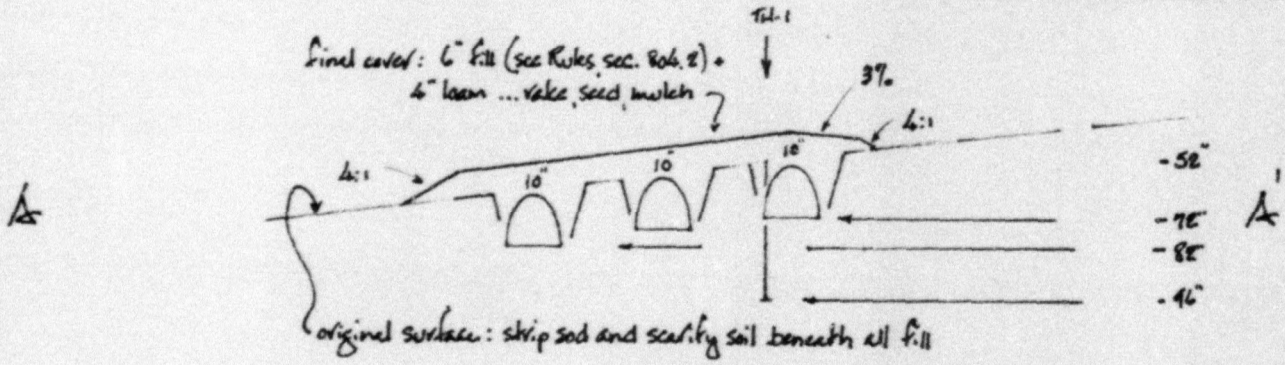
ERP to northeast corner: 33.0'
" to southeast corner: 42.5'
utility pole to northeast corner: 16.0'
" southeast corner: 21.0'

numbers at corners of bed represent the elevation of the existing surface relative to the ERP

FILL REQUIREMENTS		CONSTRUCTION ELEVATIONS		ELEVATION REFERENCE POINT
Depth of Fill (Upslope)	0" - 6"	Finished Grade Elevation	-44", -51", -56"	Location & Description flagged roofing nail in window framing, 32" above grade
Depth of Fill (Downslope)	9" - 44"	Top of Distribution Pipe or Proprietary Device	-56", -61", -66"	
		Bottom of Disposal Area (of trenches) :	-92", -97", -88"	Reference Elevation 0"

DISPOSAL AREA CROSS SECTION

SCALE:
VERTICAL: 1" = 5'
HORIZONTAL: 1" = 10'



Site Evaluator Signature

SE #

July 24, 2001
Date