

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

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

PROPERTY LOCATION

Town or Plantation MARIAVILLE
Street Subdivision Lot • ORRIN ROAD

MARIAVILLE

237

TOWN COPY

Date Permit Issued: 08/31/98\$ 1,010.00☐ If Double Fee ChargedL.P.I. # 0.0.6.1

PROPERTY OWNER'S NAME

Last: BROWN First: JULIE AApplicant's Name JOHN CONNELLMailing Address of Owner P.O. BOX 5031
SANTAFE, NEW MEXICO 87502Daytime Tel. • (505) 474-4986

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

Julie Brown August 17, 1998
Signature of Owner/Applicant DateMunicipal Tax Map • R7 Lot • 018

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:

- ☒ First Time System
- ☐ Replacement System
Type Replaced _____
Year Installed _____
- ☐ Expanded System
☐ a. one time exempted
☐ b. non exempted
- ☐ Experimental System
- ☐ Seasonal Conversion

SIZE OF PROPERTY

5+ ACRES

SHORELAND ZONING

☐ Yes ☒ No

THIS APPLICATION REQUIRES:

- ☒ No Rule Variance
- ☐ First Time System Variance
☐ a. Local Plumbing Inspector approval
☐ b. State & Local Plumbing Inspector approval
- ☐ Replacement System Variance
☐ a. Local Plumbing Inspector approval
☐ b. State & Local Plumbing Inspector approval
- ☐ Minimum Lot Size Variance
- ☐ Seasonal Conversion Approval

DISPOSAL SYSTEM TO SERVE:

- ☒ Single Family Dwelling Unit
- ☐ Multiple Family Dwelling: Number of Units _____
- ☐ Other _____

DISPOSAL SYSTEM COMPONENT(S)

- ☒ Non-Engineered System
- ☐ Primitive System (graywater & alt toilet)
- ☐ 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)
- ☐ Pretreatment

TYPE OF WATER SUPPLY

PROPOSED DRILLED WELL

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

TREATMENT TANK

- ☒ Concrete
☐ a. Regular
☐ b. Low Profile
 - ☐ Plastic
 - ☐ Other _____
- SIZE 1000 Gallons

DISPOSAL AREA TYPE / SIZE

- ☒ Bed 1100 Sq. Ft.
- ☐ Proprietary Device _____ Sq. Ft.
☐ Cluster ☐ Linear
☐ Regular ☐ H-20
- ☐ Trench
- ☐ 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)THREE BEDROOM SINGLE FAMILY DWELLING
90 GPD/BDRM X 3 BDRM

PROFILE & DESIGN CLASS

PROFILE DESIGN

8 CDEPTH TO MOST LIMITING FACTOR 18"

DISPOSAL AREA SIZING

- ☐ Small - 2.00
- ☐ Medium - 2.60
- ☐ Medium-Large - 3.30
- ☒ Large - 4.10
- ☐ Extra-Large - 5.20

PUMPING

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

DOSE _____ Gallons

MINIMUMDESIGN FLOW: 270
(Gallons/Day)

SITE EVALUATOR'S STATEMENT

On 8/1/98 (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.Teresa L. Davis
Site Evaluator Signature203
SE •8-7-98
DateTERESA L. DAVIS
Site Evaluator Name Printed

Telephone

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Initial

ML

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MARIAYVILLE

Street, Road, Subdivision
ORRIN ROAD

Owners Name
JULIE BROWN

SITE PLAN

Scale 1" = 50 Ft.

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

RT. 151
LOT
GATE
ORRIN ROAD

APPROXIMATE PROPOSED HOUSE LOCATION

1000 GALLON SEPTIC TANK

ELEVATION REFERENCE POINT (E.R.P.)

MAPLE TREE

HEMLOCK TREE

T.P. 1

T.P. 2

PROPOSED LEACHFIELD (20' x 55')

10% SLOPE

DRIVEWAY

NOTES: NO PROPERTY LINES LIE WITHIN AREA SHOWN
WELL MUST BE LOCATED AT LEAST 100' FROM SEPTIC TANK AND LEACHFIELD

NORTH (MAGNETIC)

SOIL DESCRIPTION AND CLASSIFICATION

Observation Hole T.P. 1 ☒ Test Pit ☐ Boring

_____ " Depth of Organic Horizon Above Mineral Soil

A	Texture	Consistency	Color	Mottling
0	SILT	FRIABLE	BLACK	
6	LOAM		REDDISH BROWN	
10				
15				
20	SILT	FIRM	OLIVE GRAY	COMMON MEDIUM DISTINCT
25				
30				
35				
40				
45				
50				

Soil
8
Profile

Classification
C
Condition

Slope
8 %

Limiting Factor
18

☒ Ground Water
☐ Restrictive Layer
☐ Bedrock

SOIL DESCRIPTION AND CLASSIFICATION

Observation Hole T.P. 2 ☒ Test Pit ☐ Boring

_____ " Depth of Organic Horizon Above Mineral Soil

A	Texture	Consistency	Color	Mottling
0	SILT	FRIABLE	DARK BROWN	
6	LOAM		ALBIC GRAY	
10			REDDISH BROWN	
15			YELLOWISH BROWN	
20	SILT	FIRM	OLIVE GRAY	COMMON MEDIUM DISTINCT
25				
30				
35				
40				
45				
50				

Soil
8
Profile

Classification
C
Condition

Slope
10 %

Limiting Factor
18

☒ Ground Water
☐ Restrictive Layer
☐ Bedrock

Theresa L Davis
Site Evaluator Signature

203
SE#

8-7-98
Date

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- Initial

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JULIE BROWN

SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale 1" = 20 Ft.

BUILDING SEWER - MIN. LENGTH 8' FT.

1000 GALLON SEPTIC TANK

EFFLUENT LINE

DISTRIBUTION BOX IS RECOMMENDED NOT REQUIRED. IF USED MUST BE SET LEVEL ON FIRM BASE AND INSULATED AGAINST FREEZING

E.R.P.

20' WIDE BY 55' LONG LEACHFIELD. FOUR CORNERS ARE STAKED OUT.

4" DIA. PERF. PIPE PLACED 5' ON CENTER

3' BERM AND FILL EXTENSION - USE SANDY LOAM TO LOAMY SAND

INSTALL 3' WIDE BERM AROUND PERIMETER OF LEACHFIELD BEFORE DROPPING OFF FILL EXTENSION AT 4:1 SLOPE.

APPROXIMATE EDGE OF FILL EXTENSION

NORTH (MAGNETIC)

FILL REQUIREMENTS

Depth of Fill (Upslope)

18-28"

Depth of Fill (Downslope)

38-51"

CONSTRUCTION ELEVATIONS

Reference Elevation is

0"

Bottom of Disposal Area

-60"

Top of Distribution Lines

-49"

ELEVATION REFERENCE POINT

LOCATION & DESCRIPTION

NAIL IS 34" UP IN A 10" DIA. SUGAR MAPLE TREE LOCATED 8' AT 80° FROM N.E. CORNER OF LEACHFIELD

Scale:

Vertical: 1 inch = 5 Ft.

Horizontal: 1 inch = 10 Ft.

DIVERT SURFACE WATER AWAY FROM LEACHFIELD.

DISPOSAL AREA AND FILL EXTENSION MUST BE SEED TO PREVENT EROSION. LOAM AND MULCH ENTIRE AREA.

DISPOSAL AREA CROSS SECTION (ACROSS A-B ABOVE)

CLEAN, SANDY LOAM TO LOAMY SAND FILL 8-12" THICK OVER HAY OR FILTER FABRIC

NO GREATER THAN 25% SLOPE (4:1) ON FILL EXTENSION BEYOND 3' BERM.

CROWN LEACHFIELD AND 3' BERM WITH 3% SLOPE

2" COMPRESSED HAY OR FILTER FABRIC PLACED OVER STONE

3' BERM AND FILL EXTENSION - USE SANDY LOAM TO LOAMY SAND

4" DIA. PERF. PIPE PLACED 1" BELOW TOP OF STONE

ORIGINAL GROUND LEVEL

BOTTOM OF LEACHFIELD (5 FT. BELOW E.R.P.) MUST BE LEVEL WITH A MAXIMUM GRADE TOLERANCE OF 1" PER 100'

SCARIFY ORIGINAL GROUND SURFACE UNDER LEACHFIELD AND FILL EXTENSION.

MINIMUM DEPTH OF 12" OF CLEAN, UNIFORM SIZED STONE 3/4" TO 2 1/2" IN DIA. SHALL BE USED ON THE BOTTOM OF THE LEACHFIELD.

(A MINIMUM 41 CUBIC YARDS OF STONE REQUIRED FOR THIS LEACHFIELD.)

Site Evaluator Signature

203

SE#

8/7/98

Date

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MLD