

# REPLACEMENT SYSTEM VARIANCE REQUEST

## THE LIMITATIONS OF THE REPLACEMENT SYSTEM VARIANCE REQUEST

This form shall be attached to an application for the proposed replacement system which does not comply with the Rules. The LPI shall review the Replacement System Variance Request and Application and may approve the Request if all of the following requirements can be met, and the variance(s) requested fall within the limits of LPI's authority.

1. The proposed design meets the definition of a Replacement System from the rules.
2. A system cannot be designed and installed in total compliance with the Rules.
3. The design flow is less than 500 GPD.
4. There will be no change in use of the structure.
5. The replacement system is determined by the Site Evaluator and LPI to be the most practical method to treat and dispose of the wastewater.

## GENERAL INFORMATION

Permit No. 1872 E Town of Augusta  
Date Permit Issued 5-21-90  
Property Owner's Name: David Weed Tel. No. 623-1245  
System's Location: Pleasant Hill Road  
Augusta STREET Maine 04330  
TOWN ZIP  
Property Owner's Address: RT. # 2 Box 1532  
(if different from above) Augusta STREET Maine 04330  
TOWN STATE ZIP

## SPECIFIC INSTRUCTIONS TO THE:

### LPI:

If any of the variances exceed your approval authority and/or do not meet all of the requirements listed under the Limitations Section above, they you are to send this Replacement System Variance Request, along with the Application, to the Department for review and approval consideration before issuing a Permit. (See reverse side for Comments Section and your signature.)

### SITE EVALUATOR:

If after completing the Application, you find that a variance for the proposed replacement system is needed, then complete the Replacement Variance Request with your signature on reverse side of form.

### PROPERTY OWNER:

It has been determined by the Site Evaluator that a variance to the Rules is required for the proposed replacement system. This variance request is due to physical limitations of the site and/or soil conditions. Both the Site Evaluator and the LPI have considered the site/soil restrictions and have concluded that a replacement system in total compliance with the Rules is not possible.

The OWNER shall sign this statement. Therefore, having read both this Replacement Variance Request and the attached Application, I understand that the proposed system is not in total compliance with the Rules and hereby release all those concerned with this Variance, provided they have performed their duties in a reasonable and proper manner.

MAY 18 1990

David Weed

PROPERTY OWNER'S SIGNATURE

5-16-90

DATE

VARIANCE CATEGORY	VARIANCE REQUESTED	LIMIT OF LPI'S APPROVAL AUTHORITY		VARIANCE REQUESTED TO:	
<b>SOILS</b>					
Soil Profile	Ground Water Table	to 6"		inches	
Soil Condition	Restrictive Layer	to 6"		12 inches	
from HHE-200	Bedrock	to 10"		inches	
<b>SETBACK DISTANCES (IN FEET)</b>	<b>FROM:</b>	<b>TREATMENT TANK</b>	<b>DISPOSAL AREA</b>	<b>TREATMENT TANK</b>	<b>DISPOSAL AREA</b>
Potable Water Supplies	1. Well: > 2000 gal/day	100 <sup>a</sup>	300 <sup>a</sup>		
	2. Well: < 2000 gal/day				
	a. Neighbor's	50 <sup>b</sup>	60 <sup>b</sup>	88*	95*
	b. Property Owner's	25'	50'	88	95
	3. Water Supply Line	See note 'a'			
Waterbodies	1. Perennial	50'	60'		
	2. Intermittent	15'	20'		
	3. Manmade drainage ditch	10'	15'		
Downhill Slope	Greater than 3:1 (33%)	5 <sup>c</sup>	10 <sup>c</sup>		
Buildings	1. With Basement	5'	10'		17'
	2. Without Basement	5'	10'		
Property Line		4'	5'		

**OTHER**

1. Fill extension Grade—to 3:1

2. \* Well is owned by Weeds, McDonalds currently share  
 3. this well but are planning to have their own Drilled.

Footnotes:

- a. This setback distance cannot be reduced by variance. See Table 6-2.
- b. Written Permission from the owner of a well is required when a replacement system will be located less than 100 feet but closer to that well than the system it is replacing.
- c. Sufficient distance shall be maintained to assure that the toe of the fill does not extend to the 3:1 slope.

David P. Roegue  
 SITE EVALUATOR'S SIGNATURE

4/28/90  
 DATE

**LPI STATEMENT**

I, John Pucciarelli, LPI for the Town of Augusta have conducted an on-site inspection for the proposed replacement system and have determined to the best of my knowledge, that it cannot be installed in total compliance with the Rules, applicable Municipal Wastewater Disposal Ordinances, or the Local Shoreland Zoning Ordinance. As a result of my review of the Replacement System Variance Request, the Application, and my on-site investigation, I (check and complete either a or b):

- a. ( approve,  disapprove) the variance request based on my authority to grant this variance. Note: If the LPI does not give his approval, he shall list his reasons for denial in **Comments** Section below and return to the applicant.
- OR—
- b. find that one or more of the requested Variances exceeds my approval authority as LPI. I ( recommend  do not recommend) the Department's approval of the variances. Note: If the LPI does not recommend the Department's approval, he shall state his reasons in **Comments** Section below as to why the proposed replacement system is not being recommended.

Comments: \_\_\_\_\_

John Pucciarelli  
 LPI'S SIGNATURE

5-21-90  
 DATE

**FOR USE BY THE DEPARTMENT ONLY**

The Department has reviewed the variance(s) and ( does  does not) give its approval. Any additional requirements, recommendations, or reasons for the Variance denial, are given in the attached letter.

\_\_\_\_\_  
 SIGNATURE OF THE DEPARTMENT

\_\_\_\_\_  
 DATE

# 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 Subdivision Lot #	Pleasant Hill Rd.
<b>PROPERTY OWNERS NAME</b>	
Last: <u>Wood</u>	First: <u>David</u>
Applicant Name: <u>Same</u>	
Mailing Address of Owner/Applicant (If Different) <u>RT. #2 Box 1532 Augusta, Me. 04330</u>	

AUGUSTA      Caution: Permit Rec-1872      TOWN COPY

The Subsurface Wastewater Disposal System shall not be installed until approved by the Local Plumbing Inspector.

Date Permit Issued: 15, 21, 90      \$ 14.00       Double Fee Charged

John D. Fucci      L.P.I. # 1963

Local Plumbing Inspector Signature

**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.

David Wood      4-27-90  
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.

Mark R. Fuller      6-28-90  
Local Plumbing Inspector Signature      Date Approved

## 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
  - Requiring Local Plumbing Inspector Approval
  - Requires State and Local Plumbing Inspector Approval
- 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

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

**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 1945

THE FAILING SYSTEM IS:

- BED
- CHAMBER
- TRENCH
- OTHER: Cesspool

**DISPOSAL SYSTEM TO SERVE:**

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

**TYPE OF WATER SUPPLY**

Drilled Well

SIZE OF PROPERTY 15,000 sq. ft.      ZONING Rural

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

**TREATMENT TANK**

- SEPTIC:  Regular       Low Profile  
may be necessary
- AEROBIC

SIZE: 1000 GALS.

**WATER CONSERVATION**

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

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

**PUMPING**

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

DOSE: 30-45 GALS.

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

Three bedroom Home - minimum Design Flow

DESIGN FLOW: 270  
(GALLONS/DAY)

**SOIL CONDITIONS USED FOR DESIGN PURPOSES**

PROFILE	CONDITION
<u>8</u>	<u>C</u>

DEPTH TO LIMITING FACTOR: 12

**SIZE RATINGS USED FOR DESIGN PURPOSES**

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

**DISPOSAL AREA TYPE/SIZE**

- BED \_\_\_\_\_ Sq. Ft.
- CHAMBER 525 Sq. Ft.  
 REGULAR     H-20
- TRENCH \_\_\_\_\_ Linear Ft.
- OTHER: \_\_\_\_\_

## SITE EVALUATOR STATEMENT

On 4/28/90 (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.

David P. Beque      154      4/28/90  
Site Evaluator Signature      SE#      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

**AUGUSTA**

Street, Road, Subdivision

**Pleasant Hill Road David WEED**

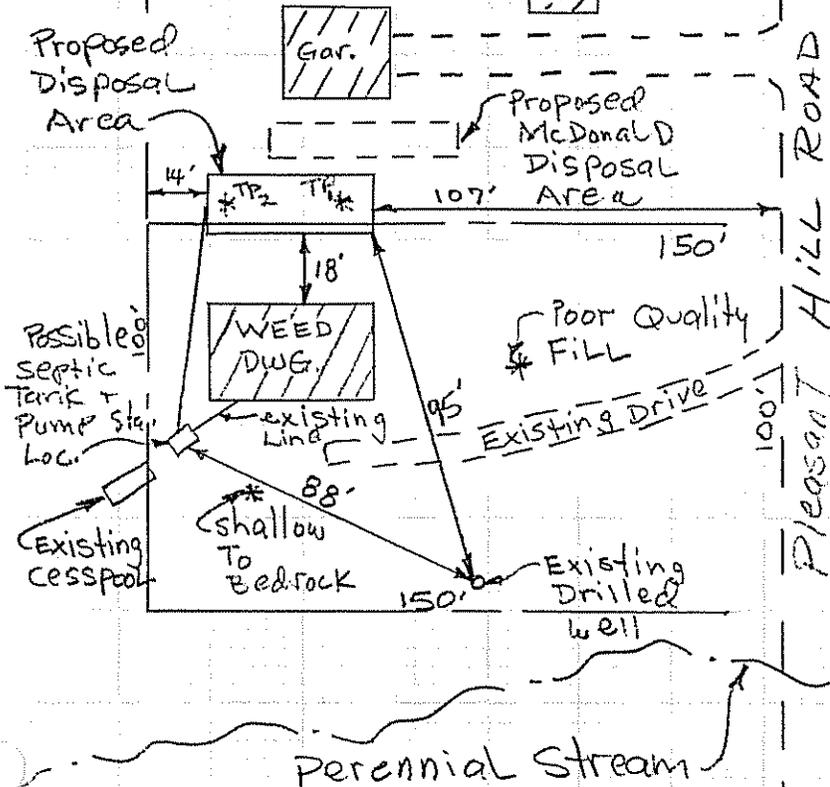
Owners Name

**WEED**

## SITE PLAN

Scale 1" = 50 Ft.

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



Note: New Septic Tank to be Min. 8' from Dwelling

Existing Drilled well is presently used by both McDonalds and Weeds.

\* owner to get easement from Charles McDonald for placement of Disposal Area over property line.

## SOIL DESCRIPTION AND CLASSIFICATION

(Location of Observation Holes Shown Above)

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

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

DEPTH BELOW MINERAL SOIL SURFACE (Inches)	Texture	Consistency	Color	Mottling
0	Loam	Friable	Brown	
6				NONE
10	Silt Loam		L. Brown	
15	Silt Loam	Firm	Olive Brown	Few
20	Sandy Loam		Brown	Faint
30	Lenses			

DEPTH BELOW MINERAL SOIL SURFACE (Inches)	Texture	Consistency	Color	Mottling
0	Loam	Friable	Brown	
6				NONE
10	V.F. Sandy Loam		Olive Brown	
15				
20	Sandy Loam	Firm	Olive Brown	Common
30	TILL			Faint
40				Between
50				Red faces

Soil Profile B Classification C Slope 1 % Limiting Factor 12  Ground Water  Restrictive Layer  Bedrock

Soil Profile 3 Classification C Slope 1 % Limiting Factor 18  Ground Water  Restrictive Layer  Bedrock

*David P. Roque*  
Site Evaluator Signature

154  
SE#

4/28/90  
Date

# SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services  
Division of Health Engineering

Town, City, Plantation

Street, Road, Subdivision

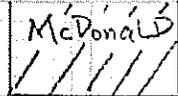
Owners Name

AUGUSTA

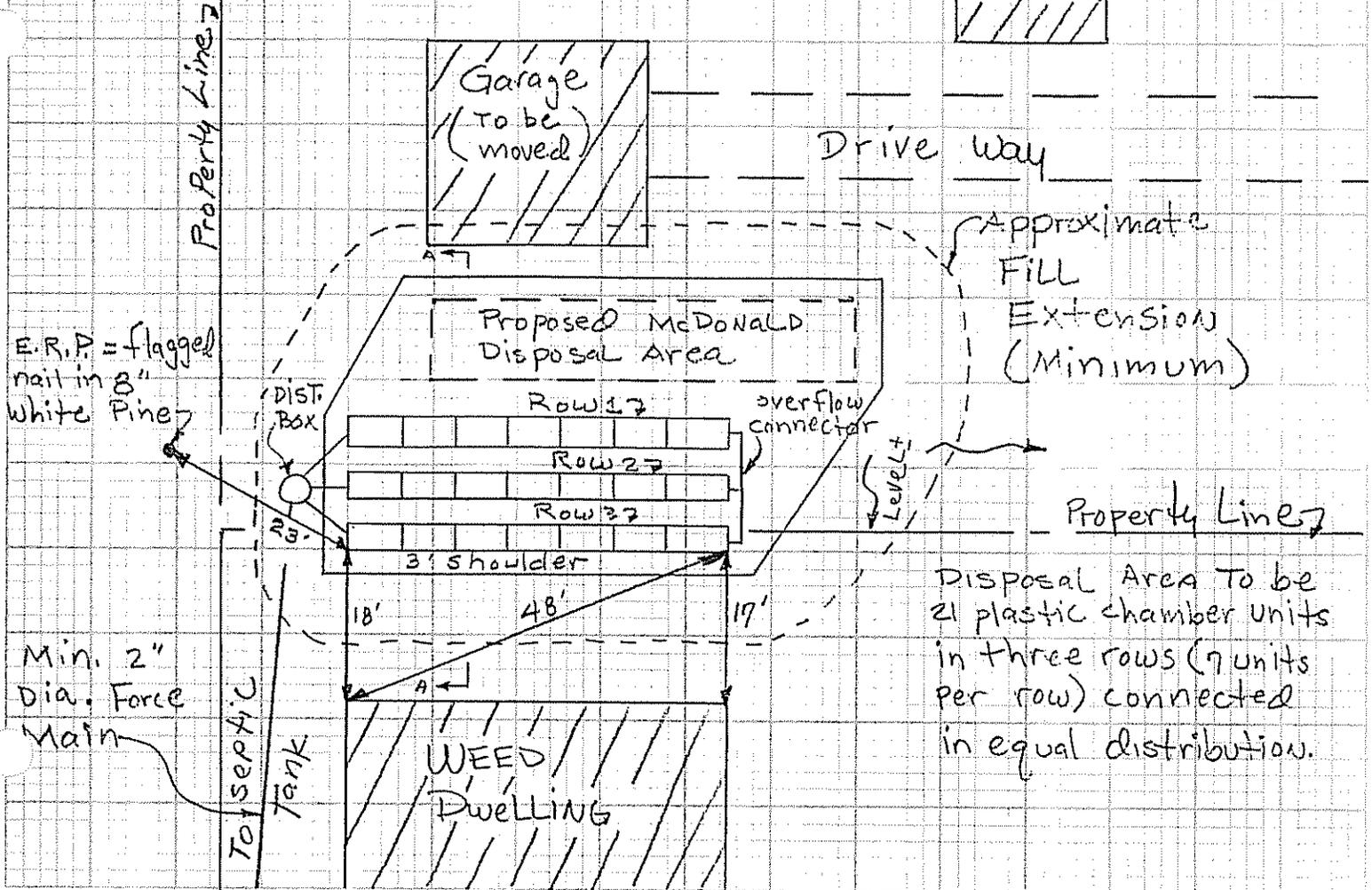
Pleasant Hill Road

David Weed

## SUBSURFACE WASTEWATER DISPOSAL PLAN



Scale 1" = 20 Ft.



### FILL REQUIREMENTS

Depth of Fill (Upslope) 24"-26"

Depth of Fill (Downslope) 24"-26"

### CONSTRUCTION ELEVATIONS

Reference Elevation is 0

Bottom of Disposal Area -55"

Top of Distribution Lines or Chambers -40"

### ELEVATION REFERENCE POINT LOCATION & DESCRIPTION

flagged nail in 8" white Pine Tree

### DISPOSAL AREA CROSS SECTION

Scale:

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

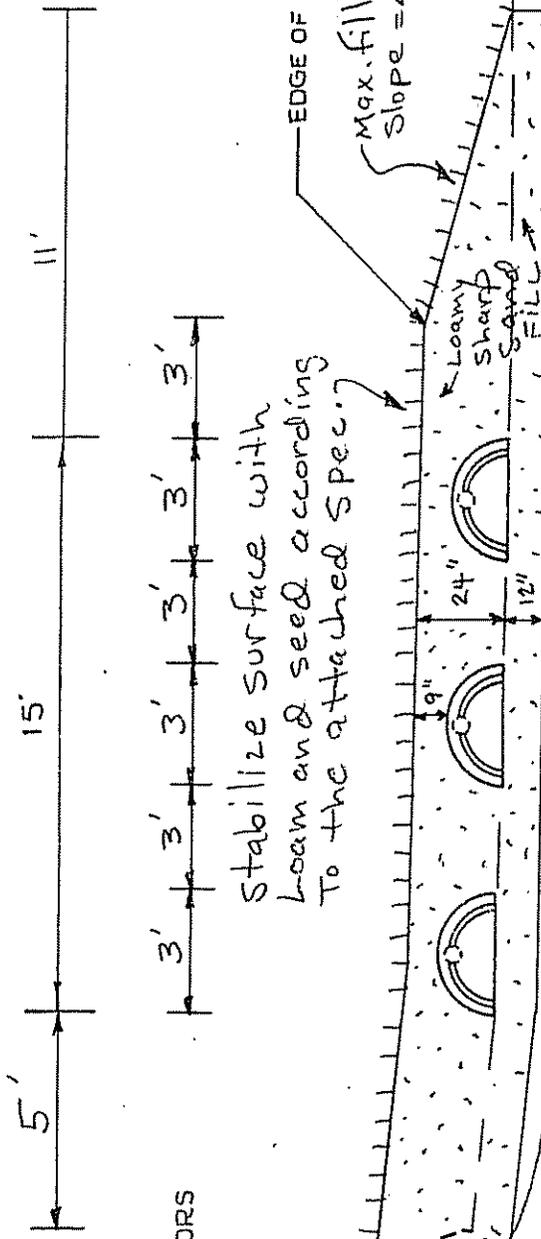
See Next Page

David P. Roque  
Site Evaluator Signature

154  
SE#

4/28/90  
Date

# INFILTRATOR CROSS-SECTION 1-2%



9" CLEAN FILL OVER INFILTRATORS (MINIMUM)

Stabilize surface with loam and seed according to the attached spec.

weed Pwelling

EDGE OF 3 FT. BERM  
Max. fill extension Slope = 4:1 or 25%

original GRADE

Loamy Sharp Sand FILL

Charles E. McDonald  
DISPOSAL AREA  
(Proposed)

Remove 30D and Minimum of 12" of soil from beneath Disposal Area and fill extensions. Scarify original soil then bring to grade with loamy sharp sand fill.

## NOTES:

1. REMOVE VEGETATION AND SCARIFY ORIGINAL SOIL UNDER INFILTRATORS AND FILL EXTENSION AREAS.
2. BOTTOM OF INFILTRATORS TO BE LEVEL WITH A MAXIMUM GRADE TOLERANCE OF 1" PER 100'.
3. PROVIDE FOR SURFACE DRAINAGE AWAY FROM INFILTRATOR AREA.
4. FINISHED GRADE SHALL BE SEEDED AND MULCHED TO PREVENT EROSION.

ORIGINAL GRADE 1%

FILL UNDER INFILTRATORS TO BE Loamy Sharp Sand TEXTURE.

FILL AROUND INFILTRATORS TO BE Loamy Sharp Sand TEXTURE.

SITE EVALUATOR: <i>David P. Rocque</i>		NUMBER OF INFILTRATORS:	21	PERCENT SLOPE:	1%
OWNER: <i>David weed</i>	ELEVATIONS:				
LOCATION: <i>Augusta Pleasant Hill Road</i>	REFERENCE PT.:	0	BOTTOM TRENCH #1:	55"	
DATE: <i>4/20/90</i>	SCALE:	1 INCH = 5 FEET	BOTTOM TRENCH #2:	55"	BOTTOM TRENCH #3: 55"

QUITCLAIM DEED  
With Covenant

**Know all Men by these Presents,**

**009151**

**That**

CHARLES E. MCDONALD of Augusta, County of Kennebec,

and State of Maine

in consideration of One Dollar and other valuable considerations

paid by David A. Weed and Susan M. Weed both of Augusta, County of Kennebec  
and State of Maine

whose mailing address is Route 2, Box 1532, Augusta, Maine

the receipt whereof I do hereby acknowledge, do hereby remise, release, bargain,  
sell and convey, and forever quitclaim unto the said David A. Weed and Susan M. Weed

their heirs and assigns forever,

SEE ATTACHED SCHEDULE "A"

To have and to hold the same, together with all the privileges and appurtenances thereunto belonging, to the said David A. Weed and Susan M. Weed

their heirs and assigns forever.

And I do covenant with the said Grantee, their heirs and assigns, that I shall and will warrant and defend the premises to the said Grantee, their heirs and assigns forever, against the lawful claims and demands of all persons claiming by, through, or under me

In Witness Whereof, I, the said Charles E. McDonald

XXXX

~~Signature~~

joining in this deed as Grantor, and relinquishing and conveying all rights by descent and all other rights in the above described premises, have hereunto set my hand and seal this 17th day of the month of MAY, A.D. 1990.

Signed, Sealed and Delivered in presence of

Jerry A. Korman

x Charles E. McDonald  
Charles E. McDonald

State of Maine, County of Kennebec ss. MAY 17, 1990.  
Then personally appeared the above named Charles E. McDonald

and acknowledged the foregoing instrument to be his free act and deed.

Before me,



Russell E. Hall  
Notary Public  
Attorney at Law

Printed Name RUSSELL E. HALL

## SCHEDULE "A"

An easement to allow the creation of, and existence of and use of a septic system, leach bed and distribution tank occupying an area the dimensions of which are approximately 60' X 15'. The location of the easement is that portion of the premises of the Grantor referenced below, which runs along the boundary separating the premises of the Grantor and Grantees, beginning at the pin marking the southwest corner of the premises of the Grantor, and running along said boundary in a general easterly direction for a distance of 60', then running in a general northerly direction at a 90° angle for a distance of 15', then running in a general westerly direction at a 90° angle for a distance of 60', then running in a general southerly direction at a 90° angle to the point of beginning.

The Grantor may continue to use and occupy the premises encumbered by the easement, as long as such use and occupation does not interfere with the Grantees' beneficial use of the premises as set forth herein.

All costs associated with the installation of the septic system, leach bed and distribution tank shall be borne by the Grantees. All costs for maintaining the septic system, leach bed and distribution tank shall also be borne by the Grantees. Grantees have the right of ingress to and egress from the areas subject to this easement, for the purpose of installing, inspecting, repairing, maintaining, replacing, and removing the septic system, leach bed and distribution tank. The Grantees covenant and agree to restore the burdened premise to their original condition after installation, maintenance, or repair work.

The premises burdened by the above-described easement were conveyed to the Grantor herein by deed dated August 28, 1987 and recorded in the Kennebec County Registry of Deeds in Book 3222, Page 080. See also an abstract of divorce decree dated October 26, 1989 and recorded in said Registry at Book 3639, Page 322. The premises benefited by the above-described easement are those premises described in a deed, dated August 2, 1974 and recorded in said Registry at Book 1754, Page 7.

This easement shall run with the land, and shall inure to the benefit of the Grantees herein as owners of abutting premises, and to their heirs and assigns.

RECEIVED KENNEBEC SS.

1990 MAY 18 AM 9:00

CLERK: *Loraine Rose Wilson*  
REGISTER OF DEEDS