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	AUBURN
Street Address	1369 OLD DANVILLE RD.
Subdivision Lot #	

AUBURN PERMIT # 4769 STATE COPY

Date Permit Issued: 4/26/99 $ 129 ☐ If Double Fee Charged FEE

Local Plumbing Inspector Signature Joe LaBonte L.P.I. # 119

PROPERTY OWNER'S NAME

Last: MICHAUD	First: DONALD
Mailing Address of Owner	P.O. BOX 165 DANVILLE, ME. 04223
Daytime Tel. #	784-3789
Applicant's Name	DONALD MICHAUD

Municipal Tax Map # 2 C Block # _____ Lot # 89

Owner's 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.

Carol A. Michaud 4/15/99
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's Signature Date

PERMIT INFORMATION

TYPE OF APPLICATION

1. ☐ First Time System
2. ■ Replacement System DIRECT
   Type Replaced DISCHARGE
   Year Installed 20± YRS.
3. ☐ Expanded System
   ☐ a.) one time exempted
   ☐ b.) non exempted
4. ☐ Experimental System
5. ☐ Seasonal Conversion

TYPE OF APPLICATION

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. ■ Non-Engineered System
2. ☐ Primitive System
3. ☐ Alternative Toilet
4. ☐ Non-Engineered Treatment Tank
5. ☐ Holding Tank Gallons
6. ☐ Non-Engineered Disposal Area (only)
7. ☐ Separated Laundry System
8. ☐ Engineered System (+ 2000 gpd)
9. ☐ Engineered Treatment Tank (only)
10. ☐ Engineered Disposal Area (only)
11. ☐ Pretreatment

SIZE OF PROPERTY

3 +/- ACRES.

DISPOSAL SYSTEM TO SERVE

1. ■ Single Family Dwelling Unit
2. ☐ Multiple Family Dwelling
   Number of Units _____
3. ☐ Other _____ SPECIFY

TYPE OF WATER SUPPLY

DUG WELL (EXISTING)

SHORELAND ZONING

☐ Yes ■ No

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

TREATMENT TANK

1. ■ Concrete
2. ■ a.) Regular (or)
   ■ b.) Low Profile (as req'd.)
   ☐ Plastic
3. ☐ Other _____
   size 1000 gallons

DISPOSAL AREA TYPE / SIZE

1. ☐ Bed _____ Sq.Ft.
2. ■ Proprietary Device 1050 Sq.Ft.
   ☐ Cluster ■ Linear
   ■ Regular ☐ H-20
3. ☐ Trench 210 LINEAR FEET
4. ■ Other GEO FLOW PIPE

GARBAGE DISPOSAL UNIT

1. ■ No PER OWNER
2. ☐ Yes
   ☐ Multi-compartment tank
   ☐ Tank in series
   ☐ Increase in tank capacity
   ☐ Filter on tank outlet

CRITERIA USED FOR DESIGN FLOW

(Show Calculations)

2 BEDROOM
SINGLE FAMILY
DWELLING
2 X 90 = 180

DESIGN FLOW: 180
(Gallons/Day)

PROFILE - DESIGN CLASS

PROFILE	DESIGN
8 E	5

DEPTH TO MOST LIMITING FACTOR 6"

DISPOSAL AREA SIZING

1. ☐ Small - 2.0
2. ☐ Medium - 2.60
3. ☐ Medium-Large - 3.30
4. ■ Large - 4.10
5. ☐ Extra Large - 5.00

PUMPING

1. ☐ Not required
2. ☐ May be required
3. ■ Required

Dose 75 Gallons

SITE EVALUATOR'S STATEMENT

On 7/25/98 (date) I completed a site evaluation on this property and state that the data reported is accurate and this proposed system is in compliance with the Subsurface Wastewater Disposal System Rules.

George Bouchles
Site Evaluator Signature

338
SE #

GEORGE S. BOUCHLES
Print Name

225-5656
Telephone No.

7-28-1998
Date

USE ONLY COPIES STAMPED WITH SITE EVALUATOR'S SEAL IN BLUE INK FOR CONSTRUCTION AND PERMITS

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering

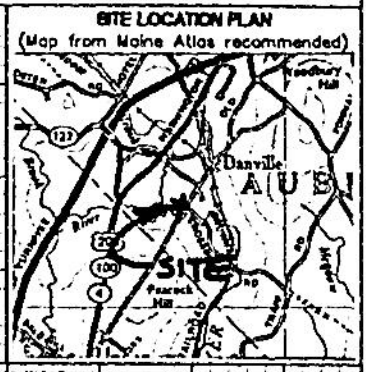
Town, City, Plantation	Street, Road, Subdivision Lot No.	Owner's Name
AUBURN	1369 OLD DANVILLE RD.	DONALD MICHAUD

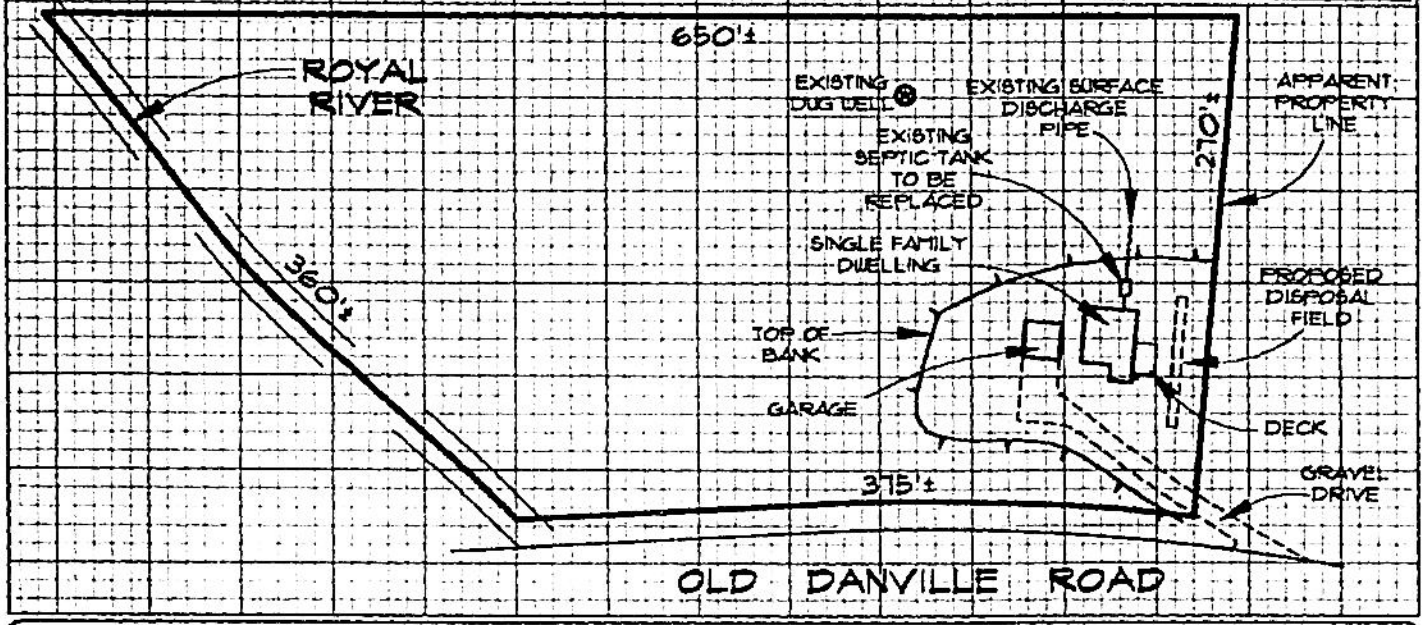
SITE PLAN

Scale 1" = 100 Ft.

NOTE: PROPERTY LINES SHOWN SHALL BE VERIFIED BY OWNER/INSTALLER PRIOR TO CONSTRUCTION OF SYSTEM. ANY DISCREPANCY FROM THAT SHOWN SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE DESIGN SITE EVALUATOR PRIOR TO BEGINNING ANY WORK.

SITE LOCATION PLAN
(Map from Maine Atlas recommended)





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

Observation Hole No. TB NO.1 ☐ Test Pit ■ Boring

0" Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (inches)

	Texture	Consistency	Color	Mottling
0–6	FINE SANDY LOAM	FRIABLE	BROWN	
6–12	SILTY	FIRM	LIGHT OLIVE	
12–20	LOAM	TO	BROWN	
20–30	TO SILTY	VERY	TO GRAY	
30–40	CLAY	FIRM		
40–50				

Soil Classification	Slope	Limiting Factor	
BE (Profile) 5 (Condition)	1 %	6 "	■ Ground Water ☐ Restrictive Layer ☐ Bedrock ☐ Pit Depth

Observation Hole No. _____ ☐ 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 — 338 SE # — 7-28-1998 Date

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering

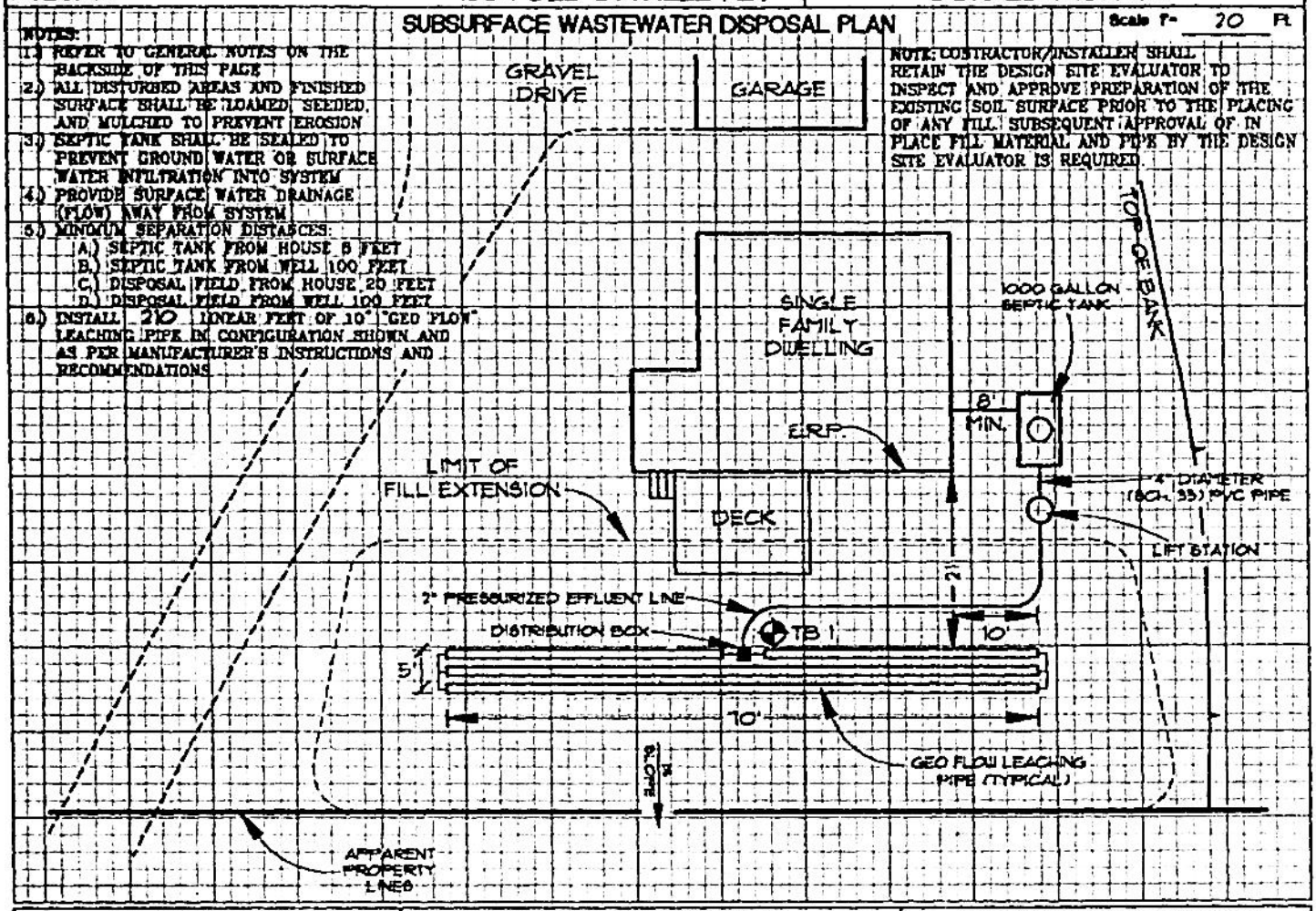
Town, City, Plantation	Street, Road, Subdivision Lot No.	Owner's Name
AUBURN	1369 OLD DAVILLE RD.	DONALD MICHAUD

SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale 1" = 20 Ft.

NOTES:
1.) REFER TO GENERAL NOTES ON THE BACKSIDE OF THIS PAGE
2.) ALL DISTURBED AREAS AND FINISHED SURFACE SHALL BE LOAMED, SEEDED, AND MULCHED TO PREVENT EROSION
3.) SEPTIC TANK SHALL BE SEALED TO PREVENT GROUND WATER OR SURFACE WATER INFILTRATION INTO SYSTEM
4.) PROVIDE SURFACE WATER DRAINAGE (FLOW) AWAY FROM SYSTEM
5.) MINIMUM SEPARATION DISTANCES:
   A.) SEPTIC TANK FROM HOUSE 5 FEET
   B.) SEPTIC TANK FROM WELL 100 FEET
   C.) DISPOSAL FIELD FROM HOUSE 20 FEET
   D.) DISPOSAL FIELD FROM WELL 100 FEET
6.) INSTALL 210 LINEAR FEET OF 10" "GEO FLOW" LEACHING PIPE IN CONFIGURATION SHOWN AND AS PER MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS

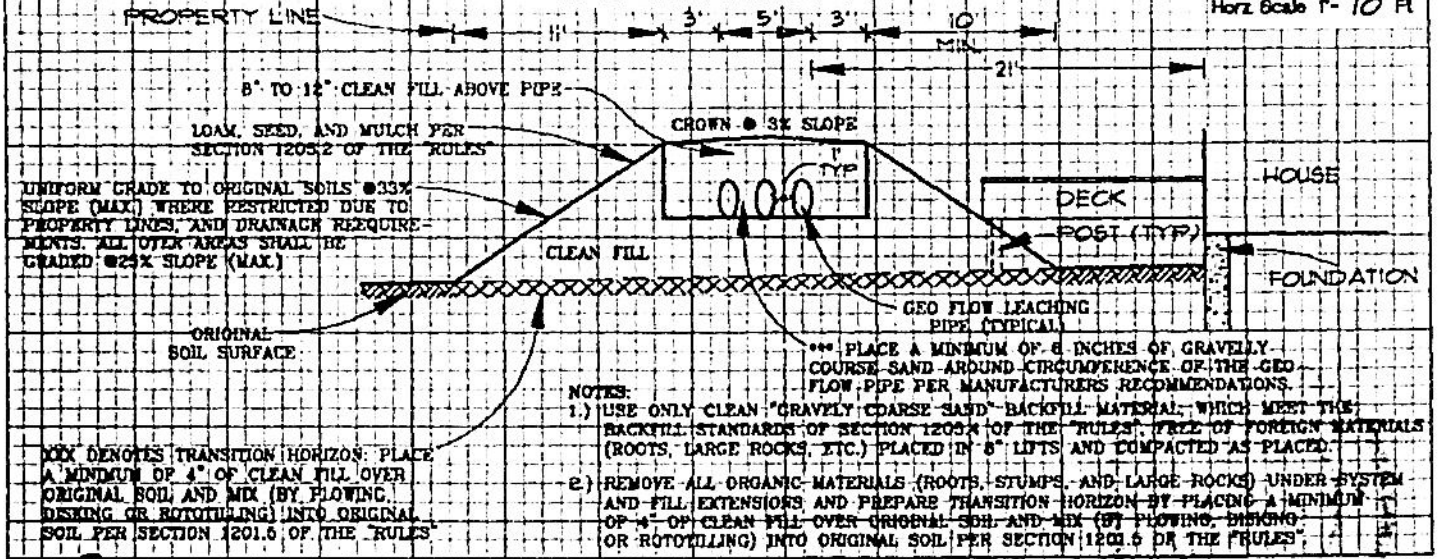
NOTE: CONTRACTOR/INSTALLER SHALL RETAIN THE DESIGN SITE EVALUATOR TO INSPECT AND APPROVE PREPARATION OF THE EXISTING SOIL SURFACE PRIOR TO THE PLACING OF ANY FILL. SUBSEQUENT APPROVAL OF IN PLACE FILL MATERIAL AND PIPE BY THE DESIGN SITE EVALUATOR IS REQUIRED.



FILL REQUIREMENTS		CONSTRUCTION ELEVATIONS		ELEVATION REFERENCE POINT	
Depth of Fill (Upslope)	42"	Finished Grade Elevation	-8"	Location & Description	BOTTOM OF TRIM BOARD AT WINDOW SILL
Depth of Fill (Downslope)	44"	Top of Distribution Pipe or Proprietary Device	-20"	Reference Elevation	0"
(Fill Depth May Vary Due To Uneven Ground Slope)		Bottom of Disposal Area	-32"		

DISPOSAL AREA CROSS SECTION

Vert Scale 1" = 5 Ft.
Horz Scale 1" = 10 Ft.



NOTES:
1.) USE ONLY CLEAN "GRAVELY COARSE SAND" BACKFILL MATERIAL WHICH MEET THE BACKFILL STANDARDS OF SECTION 1205.4 OF THE "RULES", FREE OF FOREIGN MATERIALS (ROOTS, LARGE ROCKS, ETC.) PLACED IN 8" LIFTS AND COMPACTED AS PLACED.
2.) REMOVE ALL ORGANIC MATERIALS (ROOTS, STUMPS, AND LARGE ROCKS) UNDER SYSTEM AND FILL EXTENSIONS AND PREPARE TRANSITION HORIZON BY PLACING A MINIMUM OF 4" OF CLEAN FILL OVER ORIGINAL SOIL AND MIX (BY PLOWING, DISKING OR ROTOTILLING) INTO ORIGINAL SOIL PER SECTION 1201.6 OF THE "RULES".

Site Evaluator Signature	338	7-28-1998	Page 3 of 3
	SE #	Date	HHE-200 Rev. 9/97 (COMPUTER GENERATED)

STATE OF MAINE
DEPARTMENT OF HUMAN SERVICES
DIVISION OF HEALTH ENGINEERING
10 STATE HOUSE STATION
AUGUSTA, MAINE
04333-0010

ANGUS S. KING JR.
GOVERNOR

KEVIN W. CONCANNON
COMMISSIONER

April 22, 1999

Donald Michaud
PO Box 165
Danville ME 04223

Subject: Approval Replacement System Variance Request, Michaud property, Old Danville Road, Auburn

Dear Mr. Michaud:

The Division has reviewed a Replacement System Variance Request for the subject property. The state variance request is to allow the installation of a subsurface wastewater disposal system in soils with six inches to the groundwater table and six inches to the restrictive layer. Also requested is three foot shoulders rather than five foot and one foot separation between the pipes rather than two feet. The system design prepared by George Bouchles, SE, dated 7-28-98, is found to be in compliance with the Maine Subsurface Wastewater Disposal Rules.

We approve the requested variance(s) with the following requirements:

1. A permit for system installation is to be obtained from the Local Plumbing Inspector in advance of the start of system construction.

2. The system is to be installed in accordance with the submitted and approved system design. Should alterations be required at the time of system installation, the system designer must be notified prior to making any changes.

3. The variance approval is based only on the rules administered by this department. The approval of the variance request does not relieve the property owner from compliance with all other state and local requirements pertaining to the installation, use, and operation of the wastewater disposal system.

Should you or others have any questions regarding this review and/or approval, please feel free to contact me at 287-5687.

Sincerely,

Linda S. Robinson

Linda S. Robinson
Wastewater & Plumbing Control Program
Division of Health Engineering
e-mail: linda.robinson@state.me.us

/lsr
cc: Joseph D'Amour, LPI
George Bouchles, SE

REPLACEMENT SYSTEM VARIANCE REQUEST

THE LIMITATIONS OF THE REPLACEMENT SYSTEM VARIANCE REQUEST

This form shall be attached to an application (HHE-200) for the proposed replacement system which requires a variance to the Rules. The LPI shall review the Replacement System Variance Request an HHE-200 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 as defined in the Rules (Sec. 1903)
2. There will be no change in use of the structure except as authorized for one-time exempted expansions outside the shoreland zone of major waterbodies/courses.
3. The replacement system is determined by the Site Evaluator and LPI to be the most practical method to treat and dispose of the wastewater.
4. The BOD_5 plus S.S. content of the wastewater is no greater than that of normal domestic effluent.

GENERAL INFORMATION

Town of TURNER

Permit No. 4769

Date Permit Issued 4/26/99

Property Owner's Name: DONALD MICHAUD Tel. No.: 784-3789

System's Location: 1369 OLD DANVILLE Rd. AUBURN, ME.

Property Owner's Address: P.O. Box 165

(if different from above) DANVILLE, ME 04223

SPECIFIC INSTRUCTIONS TO THE:

LOCAL PLUMBING INSPECTOR (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, then 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, complete the Replacement Variance Request with your signature on reverse side of form.

PROPERTY OWNER:

If 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.

PROPERTY OWNER

I understand that the proposed system requires a variance to the Rules. Should the proposed system malfunction, I release all concerned provided they have performed their duties in a reasonable and proper manner, and I will promptly notify the Local Plumbing Inspector and make any corrections required by the Rules. By signing the variance request form, I acknowledge permission for representatives of the Department to enter onto the property to perform such duties as may be necessary to evaluate the variance request.

Donald A. Michaud — SIGNATURE OF OWNER

4/15/1999 — DATE

LOCAL PLUMBING INSPECTOR

I, Joseph D'Amour, the undersigned, have visited the above property and have determined to the best of my knowledge that it cannot be installed in compliance with the Rules. As a result of my review of the Replacement 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, she shall state his reasons in Comments Section below as to why the proposed replacement system is not being recommended.

Comments: _____

Joseph D'Amour — LPI SIGNATURE

4/15/99 — DATE

HHE-204 Rev 3/97

Replacement System Variance Request

VARIANCE CATEGORY	VARIANCE REQUESTED		LIMIT OF LPI'S APPROVAL AUTHORITY		VARIANCE REQUESTED TO:	
SOILS						
Soil Profile	Ground Water Table		to 7"		6"	inches
Soil Condition	Restrictive Layer		to 7"		6"	inches
from HHE-200	Bedrock		to 12"		—	inches
SETBACK DISTANCES (in feet)	Disposal Fields		Septic Tanks		Disposal Fields	Septic Tanks
From	Less than 1000 gpd	1000 to 2000 gpd	Less Than 1000 gpd	1000 to 2000 gpd	To	To
Wells with water usage of 2000 or more gpd	300[a] ft	300[a] ft	100[a] ft	100[a] ft	—	—
Owner's wells	100 down to 50 ft	200 down to 100 ft	100[b] down to 50 ft	100 down to 50 ft	—	—
Neighbor's wells	100[b] down to 60 ft	200[b] down to 120 ft	100[b] down to 50 ft	100[b] down to 75 ft	—	—
Water supply line	10 ft[a]	20 ft[a]	10 ft[a]	10 ft[a]	—	—
Water course, major - for replacements only, see Table 400.4 for exempted expansions	100 down to 60 ft	200 down to 120 ft	100 down to 50 ft	100 down to 50 ft	—	—
Water course, minor	50 down to 25 ft	100 down to 50 ft	50 down to 25 ft	50 down to 25 ft	—	—
Drainage ditches	25 down to 12 ft	50 down to 25 ft	25 down to 12 ft	25 down to 12 ft	—	—
Coastal wetlands, special freshwater wetlands, great ponds, rivers, streams (edge of fill extension)	25 ft[d]	25 ft[d]	25 ft[d]	25 ft[d]	—	—
Slopes greater than 3:1	10 ft	18 ft	N/A	N/A	—	—
No full basement [e.g. slab, frost wall, columns]	15 down to 7 ft	30 down to 15 ft	8 down to 5 ft	14 down to 7 ft	—	—
Full basement [below grade foundation]	20 down to 10 ft	30 down to 15 ft	8 down to 5 ft	14 down to 7 ft	—	—
Property lines	10 down to 5[c] ft	18 ft down to 9[c] ft	10 ft down to 4[c] ft	15 ft. down to 7[c] ft	—	—
Burial sites or graveyards, measured from the down toe of the fill extension	25 ft	25 ft	25 ft	25 ft	—	—

OTHER

1. Fill extension Grade - to 3:1
2. 1' SEPERATION BETWEEN PIPES
3. 3' SHOULDERS

Footnotes:

a. This setback distance cannot be reduced by the LPI, but may be considered for reduction by State variance.
b. Written Permission from the owner of a well is required when a replacement system will be located less than 100 (or 200 ft. for 1000-2000 gpd) feet and 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 or property line.
d. Natural Resources Protection Act requires a 25 foot setback on slopes with less than 20% from the edge of disturbance and 100 feet on slopes greater than 20% except for the repair or installation of a replacement system when no practical alternative exists.

Cesar Bawks — SITE EVALUATOR'S SIGNATURE
7-28-98 — 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.

Linda S. Robinson — SIGNATURE OF THE DEPARTMENT
4/22/99 — DATE