SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering
(207)289-3826

602

PROPERTY ADDRESS

Town Or Plantation	BANGOR
Street Subdivision Lot #	OUTER BROADWAY

PROPERTY OWNERS NAME

Last: NICHOLSON First: MADELINE E.

Applicant Name:	SAME
Mailing Address of Owner/Applicant (If Different)	2385 BROADWAY BANGOR ME 04401

BANGOR PERMIT # 2704 STATE COPY

Date Permit Issued: 5 16 94 $ 60 FEE ☐ If Double Fee Charged

119 Leonard Smith (for) Local Plumbing Inspector Signature L.P.I. # 0151

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.

x Madeline E. Nicholson 5/16/94
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.

Local Plumbing Inspector Signature

5/26/94
Date Approved

PERMIT INFORMATION

THIS APPLICATION IS FOR:
1. ☐ NEW SYSTEM
2. ■ REPLACEMENT SYSTEM
3. ☐ EXPANDED SYSTEM
4. ☐ EXPERIMENTAL SYSTEM

SEASONAL CONVERSION
to be completed by the LPI
5. ☐ SYSTEM COMPLIES WITH RULES
6. ☐ CONNECTED TO SANITARY SEWER
7. ☐ SYSTEM INSTALLED – P# _____
8. ☐ SYSTEM DESIGN RECORDED AND ATTACHED

IF REPLACEMENT SYSTEM:
YEAR FAILING SYSTEM INSTALLED 1970's
THE FAILING SYSTEM IS:
1. ☐ BED 3. ■ TRENCH
2. ☐ CHAMBER 4. ■ OTHER STRAIGHT PIPE

SIZE OF PROPERTY	ZONING
20,000± FT²	SHORELAND

THIS APPLICATION REQUIRES:
1. ☐ NO RULE VARIANCE
2. ☐ NEW SYSTEM VARIANCE Attach New System Variance Form
3. ■ REPLACEMENT SYSTEM VARIANCE Attach Replacement System Variance Form
   a. ■ Requiring Local Plumbing Inspector Approval
   b. ☐ Requires State and Local Plumbing Inspector Approval
4. ☐ MINIMUM LOT SIZE VARIANCE

DISPOSAL SYSTEM TO SERVE:
1. ■ SINGLE FAMILY DWELLING
2. ☐ MODULAR OR MOBILE HOME
3. ☐ MULTIPLE FAMILY DWELLING
4. ☐ OTHER _____ SPECIFY

INSTALLATION IS:
COMPLETE SYSTEM
1. ■ NON-ENGINEERED SYSTEM
2. ☐ PRIMITIVE SYSTEM (Includes Alternative Toilet)
3. ☐ ENGINEERED (+ 2000 gpd)

INDIVIDUALLY INSTALLED COMPONENTS:
4. ☐ TREATMENT TANK (ONLY)
5. ☐ HOLDING TANK _____ GAL
6. ☐ ALTERNATIVE TOILET (ONLY)
7. ☐ NON-ENGINEERED DISPOSAL AREA (ONLY)
8. ☐ ENGINEERED DISPOSAL AREA (ONLY)
9. ☐ SEPARATED LAUNDRY SYSTEM

TYPE OF WATER SUPPLY
EXISTING WELL

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

TREATMENT TANK
1. ■ SEPTIC: ■ Regular ☐ Low Profile
2. ☐ AEROBIC
SIZE: EXISTING 1000 GALS.

WATER CONSERVATION
1. ■ NONE
2. ☐ LOW VOLUME TOILET
3. ☐ SEPARATED LAUNDRY SYSTEM
4. ☐ ALTERNATIVE TOILET
SPECIFY: _____

PUMPING
1. ■ NOT REQUIRED
2. ☐ MAY BE REQUIRED (DEPENDING ON TREATMENT TANK LOCATION AND ELEVATION)
3. ☐ REQUIRED
DOSE: _____ GALS.

CRITERIA USED FOR DESIGN FLOW (BEDROOMS, SEATING, EMPLOYEES, WATER RECORDS, ETC.)
MINIMUM DESIGN FLOW FOR A 2 BEDROOM RESIDENTIAL DWELLING

SOIL CONDITIONS USED FOR DESIGN PURPOSES

PROFILE	CONDITION
8	D

DEPTH TO LIMITING FACTOR: 10

SIZE RATINGS USED FOR DESIGN PURPOSES
1. ☐ SMALL
2. ☐ MEDIUM
3. ☐ MEDIUM-LARGE
4. ■ LARGE
5. ☐ EXTRA LARGE

DISPOSAL AREA TYPE/SIZE
1. ☐ BED _____ Sq. Ft.
2. ■ CHAMBER *350 Sq. Ft.
   ■ REGULAR ☐ H-20
3. ☐ TRENCH _____ Linear Ft.
4. ☐ OTHER: _____

DESIGN FLOW: 180 (GALLONS/DAY)

*BIO DIFFUSERS

SITE EVALUATOR STATEMENT

On APRIL 26, 1994 (date) I conducted a site evaluation for this project and certify that the data reported is accurate. The system I proposes is in accordance with the Subsurface Wastewater Disposal Rules.

Site Evaluator Signature — #213 SE# — 4/28/94 Date

(Local Plumbing Inspector's Signature if permit is for Seasonal Conversion.) Steven Howell

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering

Town, City, Plantation: BANGOR

Street, Road, Subdivision: OUTER BROADWAY

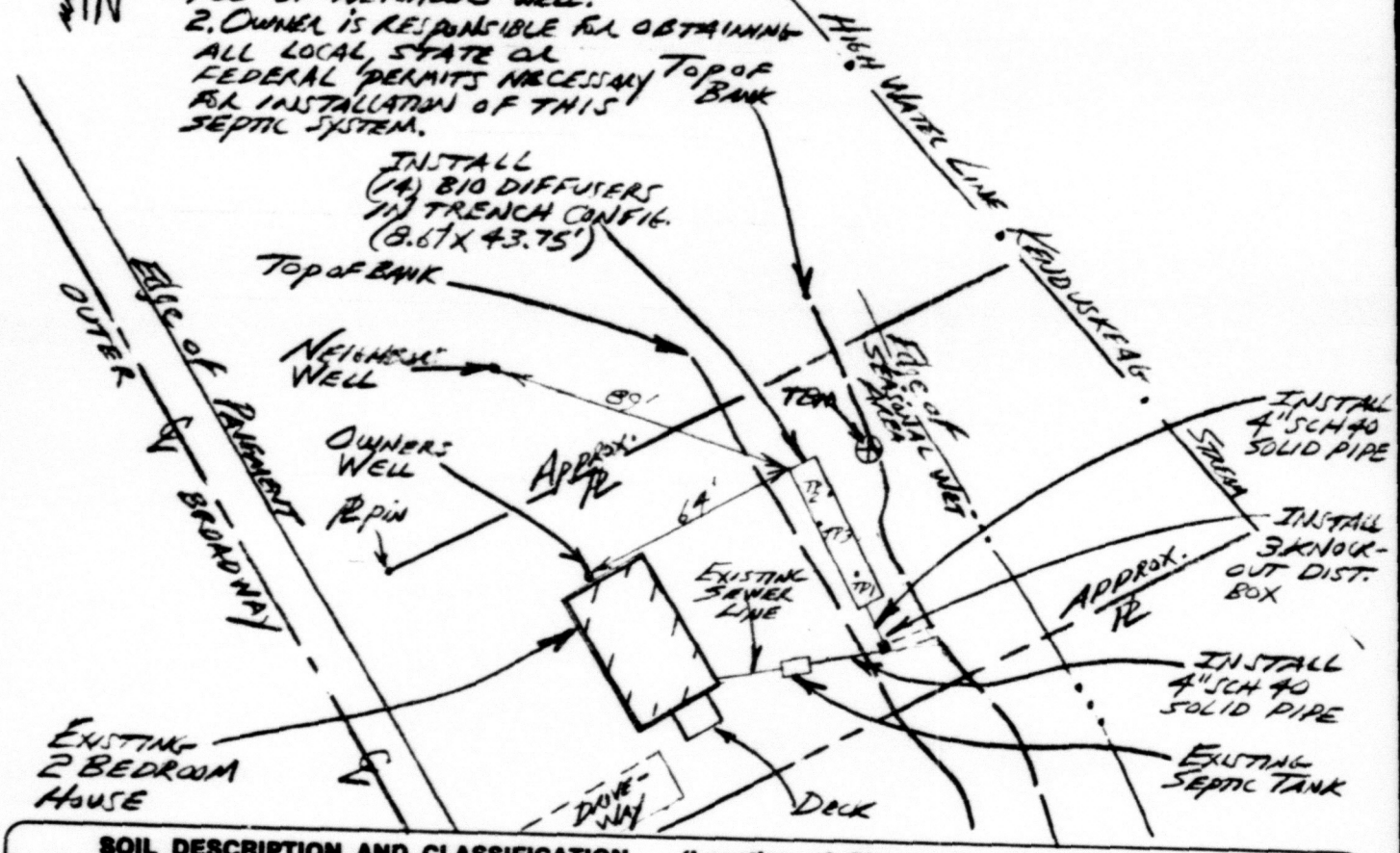
Owners Name: MADELINE E. NICHOLSON

SITE PLAN

Scale 1" = 50 Ft.

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

NOTES:
1. OWNER MUST OBTAIN WRITTEN PERMISSION FROM NEIGHBOR TO PLACE DISPOSAL SYSTEM WITHIN 100' OF NEIGHBORS WELL.
2. OWNER IS RESPONSIBLE FOR OBTAINING ALL LOCAL, STATE OR FEDERAL PERMITS NECESSARY FOR INSTALLATION OF THIS SEPTIC SYSTEM.



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

Observation Hole TP1 & 2 ☒ Test Pit ☐ Boring

1" Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (Inches)

Depth	Texture	Consistency	Color	Mottling
0–10	LOAM	FRIABLE	BROWN	NONE
10–15	SILT LOAM	FIRM	LIGHT OLIVE BROWN	COMMON DISTINCT
15–50			OLIVE BROWN	

Soil Profile	Classification Condition	Slope	Limiting Factor	
B	D	3 %	10"	☒ Ground Water ☒ Restrictive Layer ☐ Bedrock

Observation Hole TP3 ☒ Test Pit ☐ Boring

1" Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (Inches)

Depth	Texture	Consistency	Color	Mottling
0–6	GRAVELLY LOAM (OLD FILL)	FRIABLE	BROWN	NONE
6–15			OLIVE YELLOW	
15–50	SILT LOAM	FIRM	OLIVE BROWN	COMMON DISTINCT

Soil Profile	Classification Condition	Slope	Limiting Factor	
B	C	20 %	20"	☒ Ground Water ☒ Restrictive Layer ☐ Bedrock

Site Evaluator Signature

#213
SE#

4/28/84
Date

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering

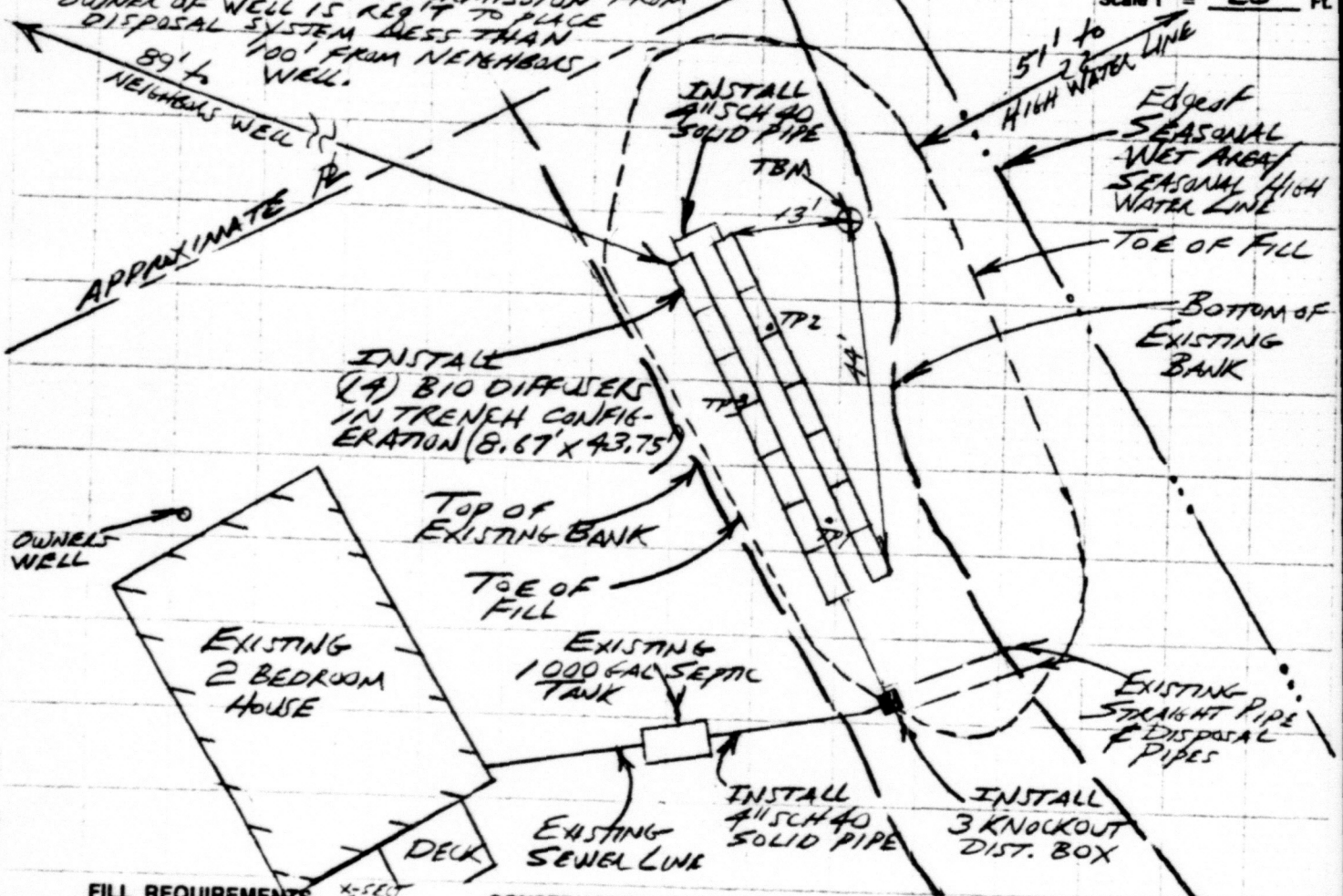
Town, City, Plantation: BANGOR

Street, Road, Subdivision: OUTER BROADWAY

Owners Name: MADELINE E. NICHOLSON

SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale 1" = 20 Ft.



FILL REQUIREMENTS

	X-SECT A	X-SECT B
Depth of Fill (Upslope)	12	24"
Depth of Fill (Downslope)	26	45"

CONSTRUCTION ELEVATIONS

Reference Elevation is	100.00'
Bottom of Disposal Area	100.00'
Top of Distribution Lines or Chambers	101.25'

ELEVATION REFERENCE POINT LOCATION & DESCRIPTION

TBM: NAIL & FLAGGING 24" ABOVE GROUND IN THE BASE OF A 14" DIAM. ASH TREE.

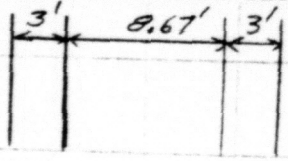
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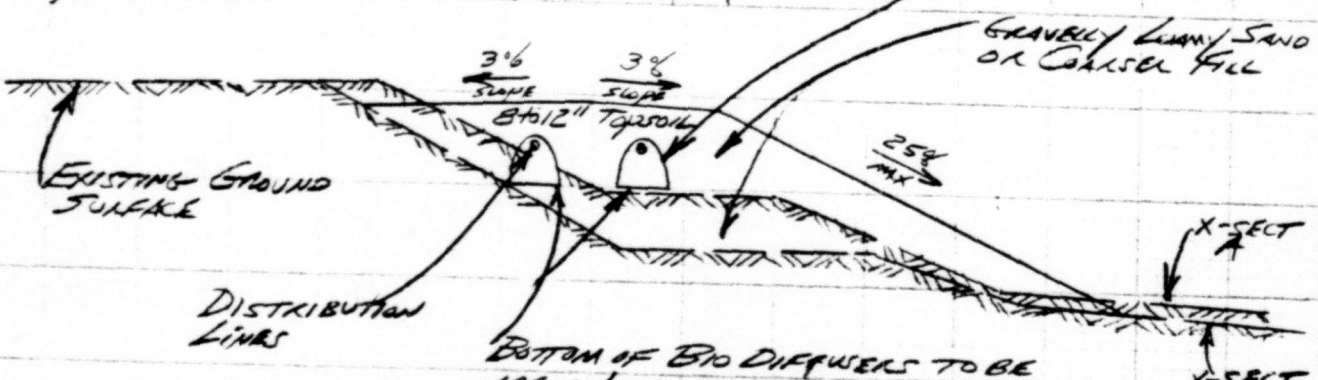
Vertical: 1 inch = 5 Ft.

Horizontal: 1 inch = 10 Ft.

NOTES:
1. LIME, FERTILIZE, SEED & MULCH ALL DISTURBED AREAS.
2. BOTTOM OF BIO DIFFUSERS TO BE LEVEL WITH A MAXIMUM GRADE TOLERANCE OF 1" IN 100'.
3. SCARIFY ORIGINAL GROUND UNDER DISPOSAL FIELD.

DISPOSAL AREA CROSS SECTION





BOTTOM OF BIO DIFFUSERS TO BE 100.00' OR SAME ELEV. AS TBM. TOP OF BIO DIFFUSERS TO BE 101.25' OR 15" ABOVE TBM ELEV.

Site Evaluator Signature

#213
SE#

4/29/94
Date

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

Town of BANGOR

Permit No. _____ E

Date Permit Issued _____ (MONTH/DAY/YEAR)

Property Owner's Name: MADELINE E. NICHOLSON Tel. No. _____

System's Location: 2385 BROADWAY (STREET)

BANGOR (TOWN) Maine 04401 (ZIP)

Property Owner's Address: SAME (STREET)
(if different from above)

(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.

Madeline E. Nicholson (PROPERTY OWNER'S SIGNATURE) 5/16/94 (DATE)

VARIANCE CATEGORY	VARIANCE REQUESTED	LIMIT OF LPI'S APPROVAL AUTHORITY		VARIANCE REQUESTED TO:	
SOILS					
Soil Profile	Ground Water Table	to 6"		10	inches
Soil Condition	Restrictive Layer	to 6"		10	inches
from HHE-200	Bedrock	to 10"		NA	inches
SETBACK DISTANCES (IN FEET)	FROM:	TREATMENT TANK	DISPOSAL AREA	TREATMENT TANK	DISPOSAL AREA
Potable Water Supplies	1. Well: > 2000 gal/day	100[a]	300[a]	NA	NA
	2. Well: < 2000 gal/day				
	a. Neighbor's	50'[b]	60'[b]	NA	89'
	b. Property Owner's	25'	50'	59'	64'
	3. Water Supply Line	See note 'a'		NA	NA
Waterbodies	1. Perennial	50'	60'	NA	76'
	2. Intermittent	15'	20'	NA	29'
	3. Manmade drainage ditch	10'	15'	NA	NA
Downhill Slope	Greater than 3:1 (33%)	5'[c]	10'[c]	NA	NA
Buildings	1. With Basement	5'	10'	NA	NA
	2. Without Basement	5'	10'	NA	NA
Property Line		4'	5'	NA	NA

OTHER

1. Fill extension Grade—to 3:1
2.
3.

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.

[signature] #213
SITE EVALUATOR'S SIGNATURE

4/28/94
DATE

LPI STATEMENT

I, LEONARD F. SMITH, LPI for the Town of BANGOR 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:

[signature]
LPI'S SIGNATURE

5/16/94
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