

SUBSURFACE WASTEWATER DISPOSAL SYSTEM

>> CAUTION: LPI APPROVAL REQUIRED <<

PROPERTY LOCATION

Town or Plantation: **BOWDOINHAM**

Street Subdivision Lot #: **13 SCHOOL STREET**

PROPERTY OWNERS NAME

Last: **TOWN OF BOWDOINHAM** First:

Applicant's Name

Mailing Address of Owner: **13 SCHOOL STREET BOWDOINHAM, ME 04008**

Daytime Tel. #: **666-5631**

Town/City: Bowdoinham Permit #: 2075

Date Permit Issued: 05/12/2014 Fee \$ 0 Double Fee Charged ()

Nice Beard L.P.I. # 1085

Local Plumbing Inspector Signature

Owner Town State

The Subsurface Wastewater Disposal System shall not be installed until a Permit is issued by the Local Plumbing Inspector. The Permit shall authorize the owner or installer to install the disposal system in accordance with the application and the Maine Subsurface Wastewater Disposal Rules.

Municipal Tax Map # U1 Lot # 10

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.

[Signature] 5/12/14

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 Application

[Signature] [Date]

Local Plumbing Inspector Signature Date Approved

PERMIT INFORMATION

TYPE OF APPLICATION:

- First Time System
- Replacement System
Type Replaced UNKNOWN
Year Installed 1960'S
- Expanded System
 - a. one-time exempted
 - b. non-exempted
- Experimental System
- Seasonal Conversion

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 Variance

DISPOSAL SYSTEM COMPONENT(S):

- Non-Engineered System
- Primitive System (graywater & aft. 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

SIZE OF PROPERTY

+1/2 ACRE

DISPOSAL SYSTEM TO SERVE:

- Single Family Dwelling Unit
- Multiple Family Dwelling Unit
Number of Units _____
- OTHER **TOWN HALL & TOWN OFFICE**

SHORELAND ZONING

Yes No

TYPE OF WATER SUPPLY

TOWN WATER

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

TREATMENT TANK

- Concrete
 - a. Regular
 - b. Low Profile (IF NEEDED)
- Plastic
- Other _____

SIZE: 1000 Gallons

DISPOSAL AREA TYPE/SIZE

- Bed _____ Sq. Ft.
- Proprietary Device 1920 Sq. Ft.
 - Clustered 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 RECOMMENDED

CRITERIA USED FOR DESIGN FLOW
(Show Calculations)

150 PERSON HALL @2 GPD/PERSON = 300 GPD +

6 TOWN OFFICE EMPLOYEES @16 GPD = 90 GPD +

LIBRARY + MEETING ROOM @ 80 GPD(ASSUMED)

300 + 90 + 80 = 470

DESIGN FLOW: 470
(Gallons/Day)

PROFILE & DESIGN CLASS

PROFILE: LIKE 8 DESIGN: D

DEPTH TO MOST IN FILL LIMITING FACTOR: 32

DISPOSAL AREA SIZING

- Small - 2.00
- Medium - 2.60
- Medium-Large - 3.30
- Large - 4.10
- Extra-Large - 5.00

PUMPING

- Not Required
- May Be Required
- Required

DOSE _____ Gallons

SITE EVALUATOR'S STATEMENT

On 3 / 6 / 99 (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.

Richard A. Green
Site Evaluator Signature
RICHARD A. GREEN
Print Name

195
SE#
725-4078
Telephone

3/7/99
Date

Department of Human Services
SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Division of Health Engineering

Town, City, Plantation

Street, Road, Subdivision

Owners Name

BOWDOINHAM

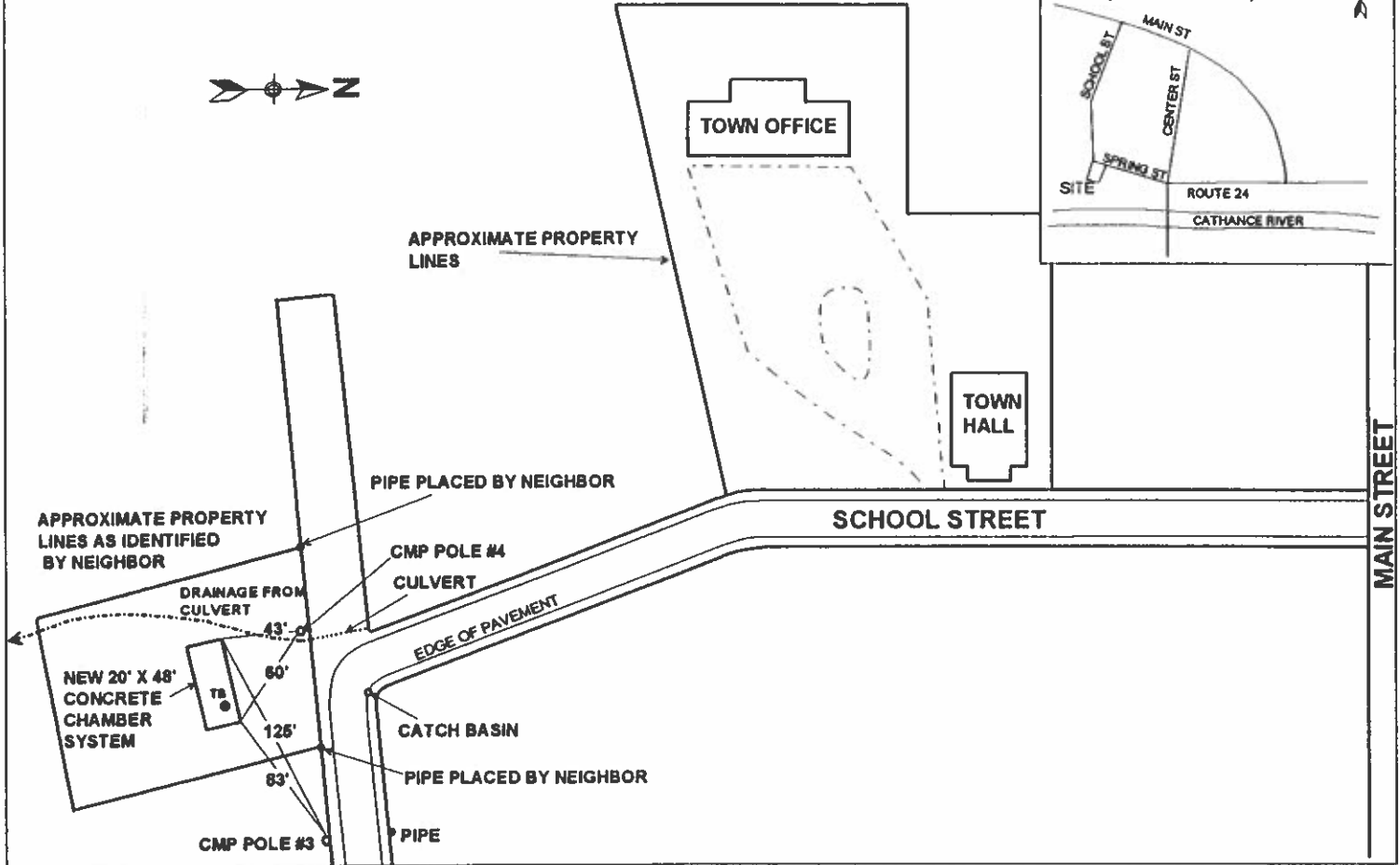
SCHOOL STREET

TOWN OF BOWDOINHAM

SITE PLAN

Scale 1" = 100 Ft.

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



SOIL DESCRIPTION AND CLASSIFICATION

(Location of Observation Holes Shown Above)

Observation Hole **TB** Test Pit Boring
 " Depth of Organic Horizon Above Mineral Soil

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

DEPTH BELOW MINERAL SOIL SURFACE (inches)	Texture	Consistency	Color	Mottling
0				
6		FRIABLE	BROWN	
10	SANDY AND SILTY MIXED FILL			
15				
20				
30				
40	SILT LOAM FILL	SOMEWHAT FIRM	OLIVE BROWN	COMMON
50				

DEPTH BELOW MINERAL SOIL SURFACE (inches)	Texture	Consistency	Color	Mottling
0				
6				
10				
15				
20				
30				
40				
50				

DESIGNED AS **8** Soil Profile **D** Classification Condition
 Slope **8** %
 Limiting Factor **32** " IN FILL
 Ground Water
 Restrictive Layer
 Bedrock

Soil Profile Classification Slope % Limiting Factor " Ground Water Restrictive Layer Bedrock

Richard A. Sun
 Site Evaluator Signature

195 SE #

3/12/99 Date

REPLACEMENT SYSTEM VARIANCE REQUEST

COPY

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 and 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 the 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 BOD5 plus S. S. content of the wastewater is no greater than that of normal domestic effluent.

GENERAL INFORMATION
Town of BOWDOINHAM
Permit No.
Date Permit Issued
Property Owner's Name: TOWN OF BOWDOINHAM Tel. No.: 666-5531
System's Location: 13 SCHOOL STREET, BOWDOINHAM, ME 04008
Property Owner's Address:
(if different from above)

SPECIFIC INSTRUCTIONS TO THE:
LOCAL PLUMBING INSPECTOR (LPI):
If any of the variances exceed your approval authority and/or do not meet all 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.
SITE EVALUATOR:
If after completing the Application, you find that a variance for the proposed replacement system is needed, complete the Replacement System 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.

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.
Signature of Owner: [Signature]
Date: 5/12/14

LOCAL PLUMBING INSPECTOR:
I, Nicole Buard, 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.
a. [X] approve, [] disapprove the variance request based on my authority to grant this variance.
b. find that one or more of the requested Variances exceeds my approval authority as LPI.
Comments:
LPI Signature: Nicole Buard
Date: 5/12/14

COPY

Replacement System Variance Request

VARIANCE CATEGORY	VARIANCE REQUESTED		LIMIT OF LPI'S APPROVAL AUTHORITY		VARIANCE REQUESTED TO:	
SOILS						
Soil Profile 8	Ground Water Table		to 7"		Inches	
Soil Condition D	Restrictive Layer		to 7"		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	12'	12'
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	10 ft down to 7 ^c ft		
Burial sites or graveyards, measured from the downhill toe of the fill extension	25 ft	25 ft	25 ft	25 ft		

OTHER

1. Fill extension Grade - to 3:1 -WHERE NEEDED TO KEEP FILL ON PROPERTY

2.

3.

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.

Richard G. Green

 SITE EVALUATOR'S SIGNATURE

3/15/99

 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