SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Dept.Health & Human Services
Div of Environmental Health , 11 SHS
(207) 287-5672 Fax: (207) 287-4172

PROPERTY LOCATION

City, Town, or Plantation	**BIDDEFORD**
Street or Road	**1 SMITHFIELD MEADOWS**
Subdivision, Lot #	

OWNER/APPLICANT INFORMATION

Name (last, first, MI): **DRAPEAU NANCY** [Owner] Applicant

Mailing Address of Owner/Applicant	**1 SMITHFIELD MEADOWS**
	BIDDEFORD. ME 04005
Daytime Tel. #	**332-9839**

OWNER OR APPLICANT STATEMENT

I state and acknowledge 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 of Owner or Applicant — Date: 8-19-24

>> CAUTION: LPI APPROVAL REQUIRED <<

Town/City _____ Permit # _____

Date Permit Issued _____ Double Fee Charged [ ]

Local Plumbing Inspr _____

Biddeford Permit # 8341 State Copy
Date 8/20/24 Fee $ 305-
LPI 1225 Sig

The Subsurface Was
Permit is issued by the Local Plumbing Inspector to authorize the owner or installer to install the disposal system in accordance with this application and the Maine Subsurface Wastewater Disposal Rules.

Municipal Tax Map # 4 Lot # 26-2

CAUTION: INSPECTION REQUIRED

I have inspected the installation authoirzed above and found it to be in compliance with the Subsurface Wastewater Disposal Rules & Application.

Local Plumbing Inspector Signature — (1st) date approved 9/3/24 — (2nd) date approved 9/4/24

PERMIT INFORMATION

TYPE OF APPLICATION

1. First Time System
2. Replacement System
   Type replaced: **UNKNOWN**
   Year installed: **UNKNOWN**
3. Expanded System
   a. <25% Expansion
   b. >25% Expansion
4. Experimental System
5. Seasonal Conversion

THIS APPLICATION REQUIRES

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 Permit

DISPOSAL SYSTEM COMPONENTS

1. Complete Non-engineered System
2. Primitive System (graywater & alt. toilet)
3. Alternative Toilet, specify: _____
4. Non-engineered Treatment Tank (only)
5. Holding Tank, _____ gallons
6. Non-engineered Disposal Field (only)
7. Separated Laundry System
8. Complete Engineered System (2000 gpd or more)
9. Engineered Treatment Tank (only)
10. Engineered Disposal Field (only)
11. Pre-treatment, specify: _____
12. Miscellaneous Components

SIZE OF PROPERTY

1.09 +/- SQ. FT. [ACRES]

SHORELAND ZONING

Yes [No]

DISPOSAL SYSTEM TO SERVE

1. Single Family Dwelling Unit, No. of Bedrooms: **3**
2. Multiple Family Dwelling, No. of Units: _____
3. Other: _____ (specify)

Current Use: Seasonal [Year Round] Undeveloped

TYPE OF WATER SUPPLY

[1. Drilled Well] 2. Dug Well 3. Private 4. Public 5. Other

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

TREATMENT TANKS

[1. Concrete]
[a. Regular]
b. Low Profile
2. Plastic
3. Other: _____

CAPACITY: **1000** GAL.

SEE NOTE ON PAGE 3

DISPOSAL FIELD TYPE & SIZE

1. Stone Bed 2. Stone Trench
[3. Proprietary Device]
a. cluster array [c. Linear]
[b. regular load] d. H-20 load
4. Other: _____

SIZE: **1008** [sq. ft.] lin. ft.

21 ELJEN GSF UNITS

GARBAGE DISPOSAL UNIT

[1. No] 2. Yes 3. Maybe

If Yes or Maybe, specify one below:
a. multi-compartment tank
b. ___ tanks in series
c. increase in tank capacity
[d. Filter on Tank Outlet]

ZABEL OR EQUIVALENT (REQUIRED)

DESIGN FLOW

270 gallons per day

BASED ON:
[1. Table 4A (dwelling unit(s))]
2. Table 4C(other facilities)
SHOW CALCULATIONS for other facilites

-SINGLE FAMILY DWELLING- 3 BEDROOMS @90 GALLONS PER DAY PER BEDROOM

3. Section 4G (meter readings)
ATTACH WATER METER DATA

SOIL DATA & DESIGN CLASS

PROFILE CONDITION
12 / AIII
at Observation Hole # **TP 1**
Depth **25** "
of Most Limiting Soil Factor

DISPOSAL FIELD SIZING

1. Medium---2.6 sq. ft. / gpd
[2. Medium---Large 3.3 sq. f.t / gpd]
3. Large---4.1 sq. ft. / gpd
4. Extra Large---5.0 sq. ft. / gpd

EFFLUENT/EJECTOR PUMP

1. Not Required
[2. May Be Required] ***SEE NOTE ON PAGE 3***
3. Required

Specify only for engineered systems:
DOSE: _____ gallons

LATITUDE AND LONGITUDE

at center of disposal area
Lat. **43** d **26** m **14.47** s
Lon. **70** d **24** m **32.60** s
if g.p.s. state margin of error: _____

SITE EVALUATOR STATEMENT

I certify that on **1/16/2024** (date) I completed a site evaluation on this property and state that the data reported are accurate and that the proposed system is in compliance with the State of Maine Subsurface Wastewater Disposal Rules (10-144A CMR 241).

Christopher J. Coppi — Site Evaluator Signature
403 — SE #
1/24/24 — Date

Christopher J Coppi — Site Evaluator Name Printed
207-756-3245 — Telephone Number
cjc1829@gmail.com — E-mail Address

Note : Changes to or deviations from the design should be confirmed with the Site Evaluator.

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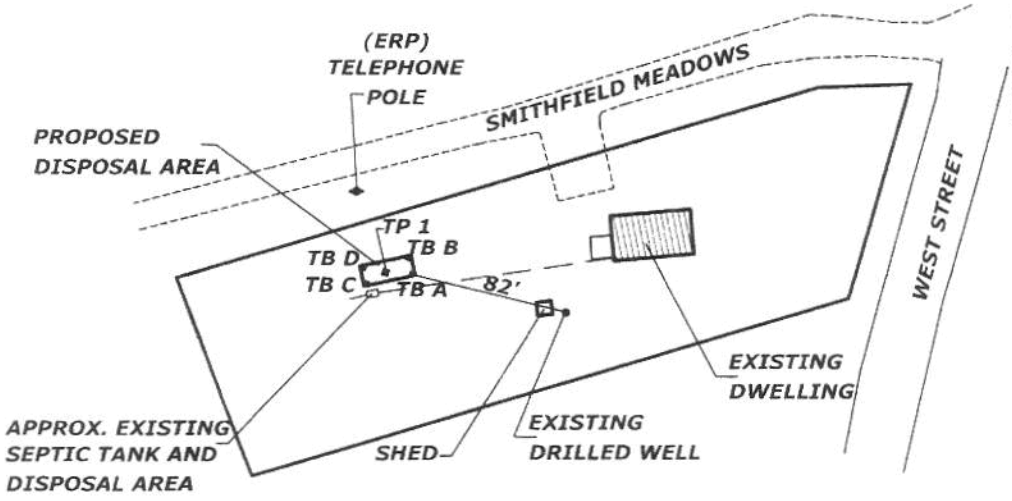
Department of Human Services
Division of Health Engineering
(207) 287-5672 Fax: (207) 287-3165

Town, City, Plantation	Street, Road, Subdivision	Owner's Name
BIDDEFORD	**1 SMITHFIELD MEADOWS**	**NANCY DRAPEAU**

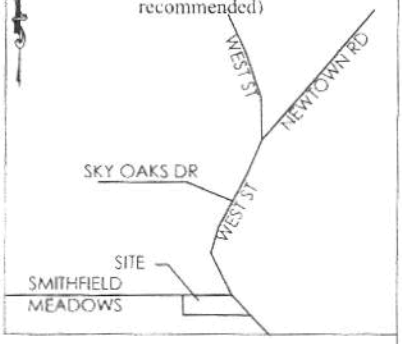
SITE PLAN

Scale 1" = **100** ft. or as shown

COPPI ENVIRONMENTAL ARE NOT SURVEYORS
PROPERTY INFORMATION APPROXIMATED PER TOWN TAX MAP AND AERIAL PHOTOGRAPH. VERIFY PROPERTY LINES TO ASSURE ACCURATE LOCATION PRIOR TO SYSTEM INSTALLATION



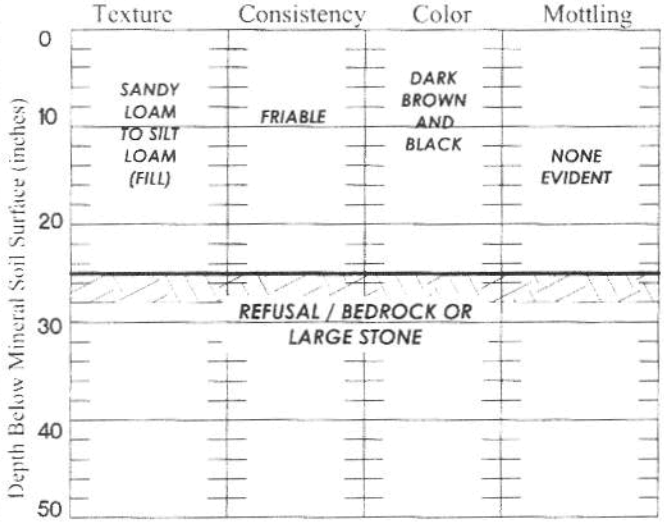
SITE LOCATION PLAN
(map from Maine Atlas recommended)



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

Observation Hole **TP 1** ■ Test Pit □ Boring

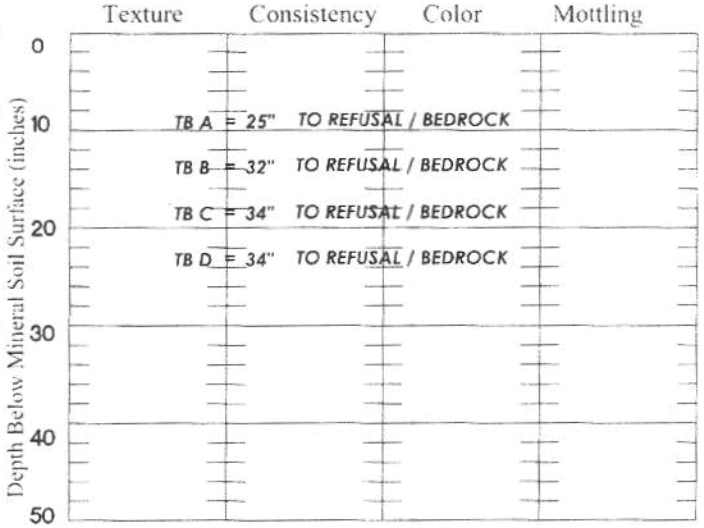
_____" Depth of Organic Horizon Above Mineral Soil



Soil Classification		Slope	Limiting Factor	
12	AIII	0-3 %	25 "	[ ] Ground Water [ ] Restrictive Layer [X] Bedrock [ ] Pit Depth
Profile	Condition			

Observation Hole **TB's** □ Test Pit ■ Boring

_____" Depth of Organic Horizon Above Mineral Soil



Soil Classification		Slope	Limiting Factor	
		%	"	[ ] Ground Water [ ] Restrictive Layer [ ] Bedrock [ ] Pit Depth
Profile	Condition			

Christopher T. Coppi — 403 — 1/24/24

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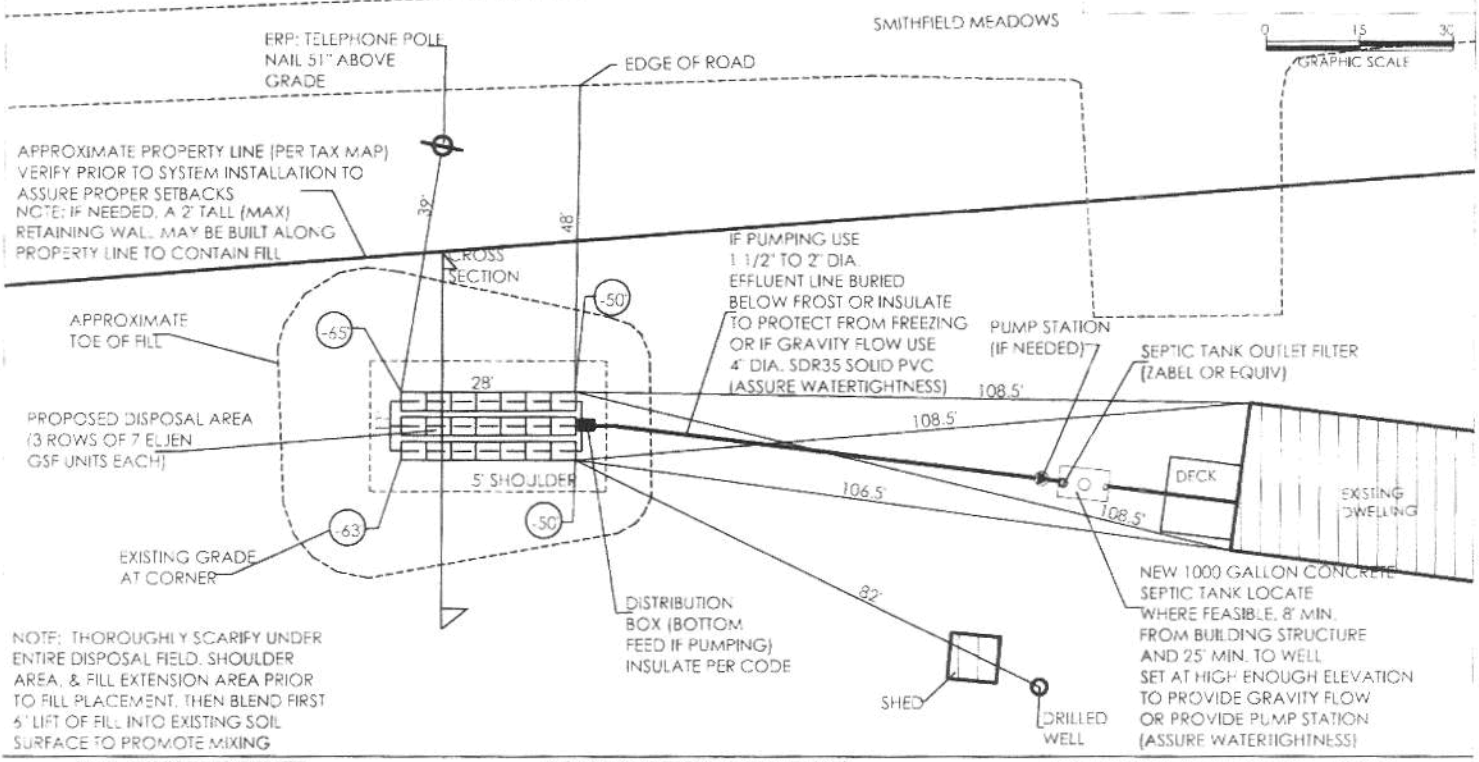
BIDDEFORD	**1 SMITHFIELD MEADOWS**	**NANCY DRAPEAU**

SUBSURFACE WASTEWATER DISPOSAL PLAN

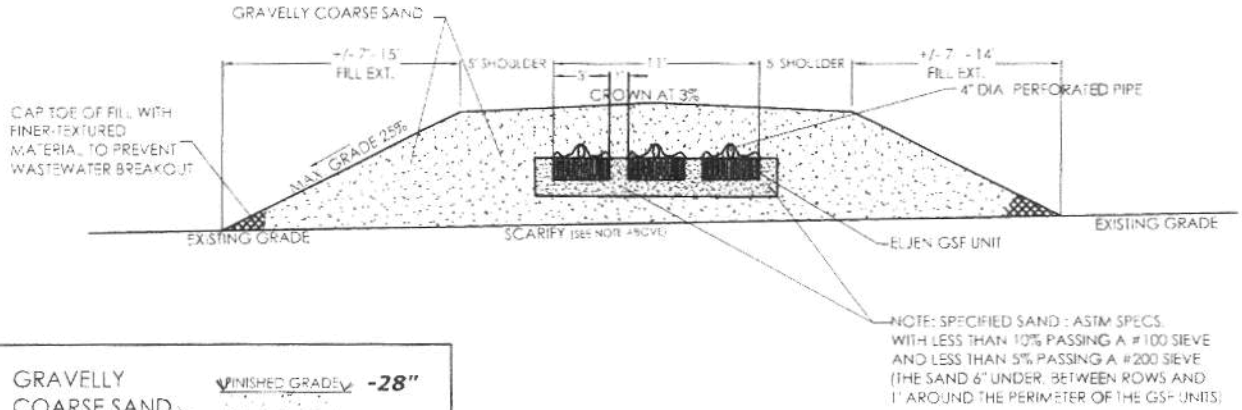
SCALE: 1" = **30** FT.

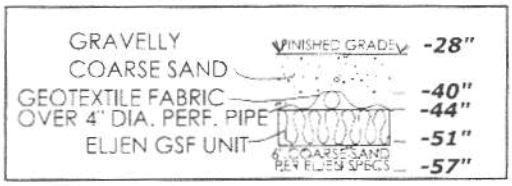


FILL REQUIREMENTS		CONSTRUCTION ELEVATIONS		ELEVATION REFERENCE POINT
Depth of Fill (Upslope)	**22"- 35"**	Finished Grade Elevation	**SEE DETAIL BELOW**	Location & Description: **TELEPHONE POLE, NAIL 51" ABOVE GRADE**
Depth of Fill (Downslope)	**22"- 37"**	Top of Distribution Pipe or Proprietary Device		Reference Elevation: **00"**
		Bottom of Disposal Area		

DISPOSAL AREA CROSS SECTION

Scale
Horizontal 1" = **10** ft.
Vertical 1" = **5** ft.





Christopher J. Coppi — 403 — 1/24/24

Site Evaluator/Signature

BRAD KIMBALL 207-229-7354

Maine Center for Disease Control and Prevention
An Office of the Department of Health and Human Services

Department of Health and Human Services
Maine Center for Disease Control and Prevention
286 Water Street
11 State House Station
Augusta, Maine 04333-0011
Tel: (207) 287-5672
Fax: (207) 287-4172; TTY: 1-800-606-0215

SUBSURFACE WASTEWATER DISPOSAL SYSTEM VARIANCE REQUEST

This form must accompany an application (HHE-200 Form) for any subsurface wastewater disposal system which requires a variance to provisions of the Subsurface Wastewater Disposal Rules. The Local Plumbing Inspector must not issue a permit for the installation of a subsurface wastewater disposal system requiring a variance from the Department of Health and Human Services until approval has been received from the Department.

GENERAL INFORMATION Town of Biddeford

Property Owner's Name: Nancy Drapeau Tel. No.: 332-9839

System's Location: 1 Smithfield Meadows

Property Owner's Address: 1 Smithfield Meadows, Biddeford, ME Zip Code 04005

e-mail address:

The subsurface wastewater disposal system design for the subject property requires a ■ replacement system variance ☐ first time system variance to the Subsurface Wastewater Disposal Rules. This variance requires ■ local approval ☐ local and state approval.

SPECIFIC VARIANCE REQUESTED (To be filled in by Site Evaluator. Use additional sheets if needed.) **SECTION OF RULE**

1. See Sheet Attached — 9
2. —
3. —

SITE EVALUATOR

When a property is found to be unsuitable for subsurface wastewater disposal by a licensed Site Evaluator, the Evaluator shall so inform the property owner. If the property owner, after exploring all other alternatives, wishes to request a variance to the Rules, and the Evaluator in his professional opinion feels the variance request is justified and the site limitations can be overcome, he shall document the soil and site conditions on the Application. The Evaluator shall list the specific variances necessary plus describe below the proposed system design and function. The Evaluator shall further describe how the specific site limitations are to be overcome, and provide any other support documentation as required prior to consideration by the Department. Attach a separate sheet if necessary.

I, Christopher Coppi, S.E., certify that a variance to the Rules is necessary since a system cannot be installed which will completely satisfy all the Rule requirements. In my judgment, the proposed system design on the attached Application is the best alternative available; enhances the potential of the site for subsurface wastewater disposal; and that the system should function properly.

Christopher J. Coppi — SIGNATURE OF SITE EVALUATOR

12/4/24 — DATE

PROPERTY OWNER

I, _____, am the ☐ owner ☐ agent for the owner of the subject property. I understand that the installation on the Application is not in total compliance with 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.

† Brady Kimball — ☐ SIGNATURE OF OWNER ☑ AGENT FOR THE OWNER

† 8-19-24 — DATE

LOCAL PLUMBING INSPECTOR - Approval at local level

The local plumbing inspector shall review all variance requests prior to rendering a decision.
I, Meghan Fenton, the undersigned, have visited the above property and find that the variance request submitted by the applicant does not conform with certain provisions of the wastewater disposal rules. The variance request submitted by the applicant is the best alternative for a subsurface wastewater disposal system on this property. The proposed system (does ✓ does not) conflict with any provisions controlling subsurface wastewater disposal in the shoreland zone. Therefore, I (✓ do do not) approve the requested variance. I (✓ will will not) issue a permit for the system's installation as proposed by the application.

LPI Signature — Date: 8/20/24

LOCAL PLUMBING INSPECTOR - Referral to the Department

The local plumbing inspector shall review all variance requests prior to forwarding to the Division of Environmental Health.
I, _____, the undersigned, have visited the above property and find that the variance request submitted by the applicant does not conform with certain provisions of the wastewater disposal rules. The variance request submitted by the applicant is the best alternative for a subsurface wastewater disposal system on this property. The proposed system (does does not) conflict with any provisions controlling subsurface wastewater disposal in the shoreland zone. Therefore, I (do do not) recommend the issuance of a permit for the system's installation as proposed by the application.

LPI Signature — 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

Notes: 1. Variances for soil conditions may be approved at the local level as long as the total point assessment is at least the minimum allowed. (See Section 7.B.4 of the Subsurface Wastewater Disposal Rules for Municipal Review.)

2. Variances for other than soil conditions or soil conditions beyond the limit of the LPI's authority are to be submitted to the Department for review. (See Section 7.B.3 for Department Review.) The LPI's signature is required on these variance requests prior to sending them to the Department.

SOIL, SITE AND ENGINEERING FACTORS FOR FIRST TIME SYSTEM VARIANCE ASSESSMENT WITH LIMITING SOIL DRAINAGE CONDITIONS (SEE TABLES 7C THROUGH 7M).

	CHARACTERISTIC	POINT ASSESSMENT
Soil Profile		
Depth to Groundwater/Restrictive Layer		
Terrain		
Size of Property		
Waterbody Setback		
Water Supply		
Type of Development		
Disposal Area Adjustment		
Vertical Separation Distance		
Additional Treatment		
	TOTAL POINT ASSESSMENT:	

Minimum Points (Check One): ☐ Outside Shoreland Zone-50 ☐ Inside Shoreland Zone-65 ☐ Subdivision-65

Address: 1 Smithfield Meadows, Biddeford Property Owner's Name: Nancy Drapeau

DISPOSAL SYSTEM VARIANCE REQUEST ATTACHMENT
Table 9A
Setback Distances for Replacement System, Limits of LPI Authority

VARIANCE CATEGORY	LIMIT OF LPI'S APPROVAL AUTHORITY						VARIANCE REQUESTED TO:	
SOILS								
Soil Profile	Ground Water Table							inches
Soil Condition	Restrictive Layer							inches
from HHE-200	Bedrock							inches
Site Features vs. disposal system components of various sizes	**Disposal Fields (total design flow)**			**Septic Tanks and Holding Tanks (total design flow)**			**Disposal Fields**	**Septic Tanks**
	Less than 1000 gpd	**1000 to 2000 gpd**	**Over 2000 gpd**	**Less than 1000 gpd**	**1000 to 2000 gpd**	**Over 2000 gpd**	**To**	**To**
Wells with water usage of 2000 or more gpd or public water supply wells	300 ft	300 ft	300 ft	150 ft	150 ft	150 ft		
Potable Supply Well	100 down to 60 ft	200 down to 100 ft	300 down to 150 ft	50 down to 25 ft [a]	100 down to 50 ft [a]	100 down to 50 ft	82'	25' min
Water supply line	10 ft	20 ft	25 ft	10 ft	10 ft	10 ft		
Water course, major [c]	100 down to 50 ft	200 down to 120 ft	300 down to 180 ft	100 down to 25 ft [a]	100 down to 50 ft	100 down to 50 ft		
Water course, minor [c]	50 down to 25 ft	100 down to 50 ft	150 down to 75 ft	50 down to 25 ft	50 down to 25 ft	50 down to 25 ft		
Drainage ditches	25 down to 12 ft	50 down to 25 ft	75 down to 35 ft	25 down to 12 ft	25 down to 12 ft	25 down to 12 ft		
Slopes greater than 3:1	10 ft	18 ft	25 ft	N/A	N/A	N/A		
No full basement [e.g. slab, columns, posts]	15 down to 7 ft	30 down to 15 ft	40 down to 20 ft	8 down to 5 ft	14 down to 7 ft	20 down to 10 ft		
Full basement [below grade foundation, frost wall]	20 down to 10 ft	30 down to 15 ft	40 down to 20 ft	8 down to 5 ft	14 down to 7 ft	20 down to 10 ft		
Property lines	10 down to 5 ft [b]	18 down to 9 ft [b]	20 down to 10 ft [b]	10 down to 4 ft [b]	15 down to 7 ft [b]	20 down to 10 ft [b]		
Burial sites or graveyards boundaries, measured from the down toe of the fill extension	25 ft	25 ft	25 ft	25 ft	25 ft	25 ft		
Stormwater infiltration systems	100 down to 60 feet	200 down to 120 feet	300 down to 180 feet	100 down to 50 feet	100 down to 50 feet	100 down to 50 feet		
Wetponds, retention ponds, and detention basins (excavated below grade); Soil filters underdrained swales, underdrained outlets, and similar structures	50 down to 25 feet [d]	100 down to 50 feet [d]	150 down to 75 feet [d]	50 down to 25 feet [d]	50 down to 25 feet [d]	50 down to 25 feet [d]		
Stormwater detention basins (basin bottom at, or above, predevelopment grade)	25 down to 12 feet	50 down to 25 feet [d]	75 down to 35 feet [d]	25 down to 12 feet	25 down to 12 feet	25 down to 12 feet		

OTHER

1.

2.

3.

Notes:

[a] This distance may be reduced to 25 feet, if the septic or holding tank is tested in the LPI's presence and shown to be watertight pursuant to water tightness standards found in Section 7(H)(8) or of monolithic construction.

[b] Additional setbacks may be needed to prevent fill material extensions from encroaching onto abutting property.

[c] All ground disturbance or clearing of woody vegetation necessary for the installation of a subsurface wastewater disposal system that occurs within 100 feet of the normal high water mark of a major or minor water body/course must comply with these Rules pertaining to work adjacent to or within wetlands and water bodies (for more details, see Section 12).

[d] The reduced setback distance may be further reduced down to 12 feet if the stormwater structure has an impervious liner and the fill extensions do not encroach onto the stormwater structure.