SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Dept. Health & Human Services
Div. Environmental Health, 11SHS
(207) 287-2070 Fax: (207) 287-4172

PROPERTY LOCATION

City, Town, or Plantation: OTISFIELD
Street or Road: 22 HENIGER PARK RD
Subdivision, Lot #:

OWNER/APPLICANT INFORMATION

Name (last, first, MI): DOYLE-RYAN, NANCY — Owner ☐ Applicant ☒
Mailing Address of Owner/Applicant: 22 HENIGE PARK RD
OTISFIELD 04270
Daytime Tel. #: (978) 764-3876

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 _____

>> CAUTION: LPI APPROVAL REQUIRED <<

Town/City _____ Permit # _____
Date Permit Issued ___/___/___ Fee: $_____ Double Fee Charged ☐
_____ L.P.I. # _____
Local Plumbing Inspector Signature
Fee: $_____ state min fee $_____ Locally adopted fee
Copy: ☐ 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 this application and the Maine Subsurface Wastewater Disposal Rules.

Municipal Tax Map # _____ Lot # _____

CAUTION: INSPECTION REQUIRED
I have inspected the installation authoirzed above and found it to be in compliance with the Subsurface Wastewater Disposal Rules Application. _____ (1st) date approved

_____ Local Plumbing Inspector Signature _____ (2nd) date approved

PERMIT INFORMATION

TYPE OF APPLICATION

☐ 1. First Time System
☒ 2. Replacement System
Type replaced: CONCRETE
Year installed: 1986
☐ 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
ONLY 80' TO WELL FROM TANK
☐ 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

17000 ☒ SQ. FT. ☐ ACRES

SHORELAND ZONING

☐ Yes ☒ No

DISPOSAL SYSTEM TO SERVE

☒ 1. Single Family Dwelling Unit, No. of Bedrooms: 4
☐ 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 TANK

☒ 1. Concrete EXISTING
☐ a. Regular
☐ b. Low Profile
☐ 2. Plastic
☐ 3. Other: _____
CAPACITY: 1000 GAL.

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: 280 ☐ sq. ft. ☒ lin. ft.

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

DESIGN FLOW

360 gallons per day
BASED ON:
☒ 1. Table 5A (dwelling unit(s))
☐ 2. Table 5C(other facilities)
SHOW CALCULATIONS for other facilites

SOIL DATA & DESIGN CLASS

PROFILE CONDITION
3 / C
at Observation Hole # TP1
Depth 40"
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
☐ 3. Required
Specify only for engineered systems:
DOSE: _____ gallons

☐ 3. Section 5G (meter readings)
ATTACH WATER METER DATA

LATITUDE AND LONGITUDE

at center of disposal area
Lat. 44 d 03 m 57 s
Lon. 70 d 32 m 20 s
if g.p.s, state margin of error: ±10'

SITE EVALUATOR STATEMENT

I certify that on 8-19-2026 (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).

Lawrence P Mahoney Jr
Site Evaluator Signature

441
SE #

8-21-2026
Date

LAWRENCE P. MAHONEY JR
Site Evaluator Name Printed

572-3372
Telephone Number

LAWRENCE@SOILSANDSEPTICSE.COM
E-mail Address

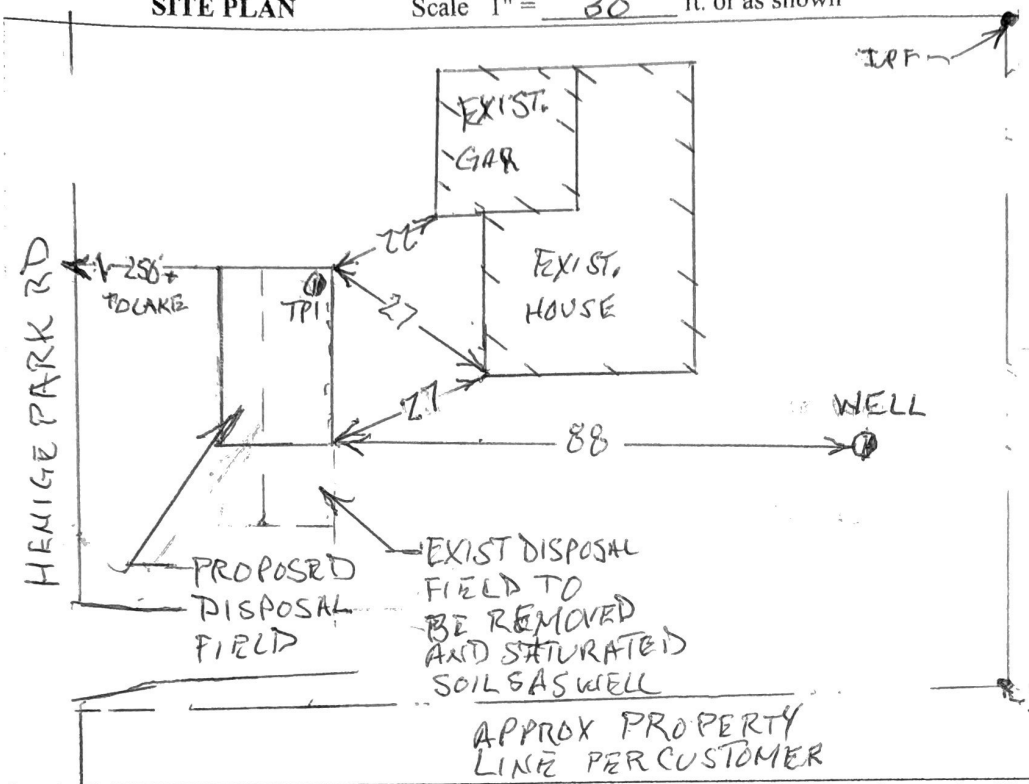
Note : Changes to or deviations from the design should be confirmed with the Site Evaluator.

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

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

Town, City, Plantation	Street, Road, Subdivision	Owner's Name
OTISFIELD	22 HENIGER PARK RD	DOYLE-RYAN NANCY

SITE PLAN Scale 1" = 30 ft. or as shown



SITE LOCATION PLAN
(map from Maine Atlas recommended)



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

Observation Hole TP1 ☒ Test Pit ☐ Boring
_____ " Depth of Organic Horizon Above Mineral Soil

Depth Below Mineral Soil Surface (inches)	Texture	Consistency	Color	Mottling
0	SAND & LOAM		REDDISH BROWN	
10				
20				
30	SAND		YELLOWISH BROWN	
40	SAND	FIRM	GRAY	
50				

Soil Classification	Slope	Limiting Factor	
3 (Profile) C (Condition)	____ %	40 "	[ ] Ground Water [X] Restrictive Layer [ ] Bedrock [ ] Pit Depth

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

Depth Below Mineral Soil Surface (inches)	Texture	Consistency	Color	Mottling
0				
10				
20				
30				
40				
50				

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

[signature] 4/11 8-21-2026
Site Evaluator Signature SE # Date

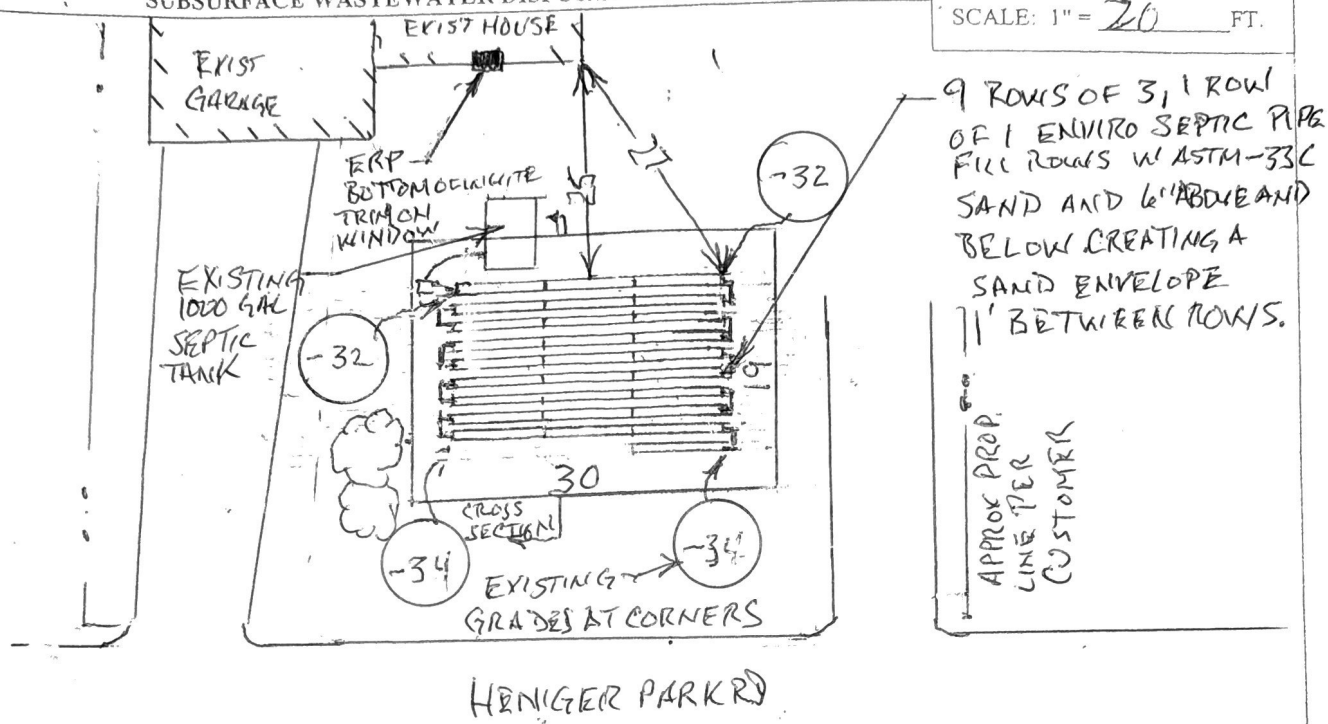
SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Dept. Health & Human Services
Division of Environmental Health
(207) 287-5672 Fax: (207) 287-3165

Town, City, Plantation	Street, Road, Subdivision	Owner's Name
OTIS FIELD	22 HENIGER PARK RD	DOYLE-RYAN NANCY

SUBSURFACE WASTEWATER DISPOSAL PLAN

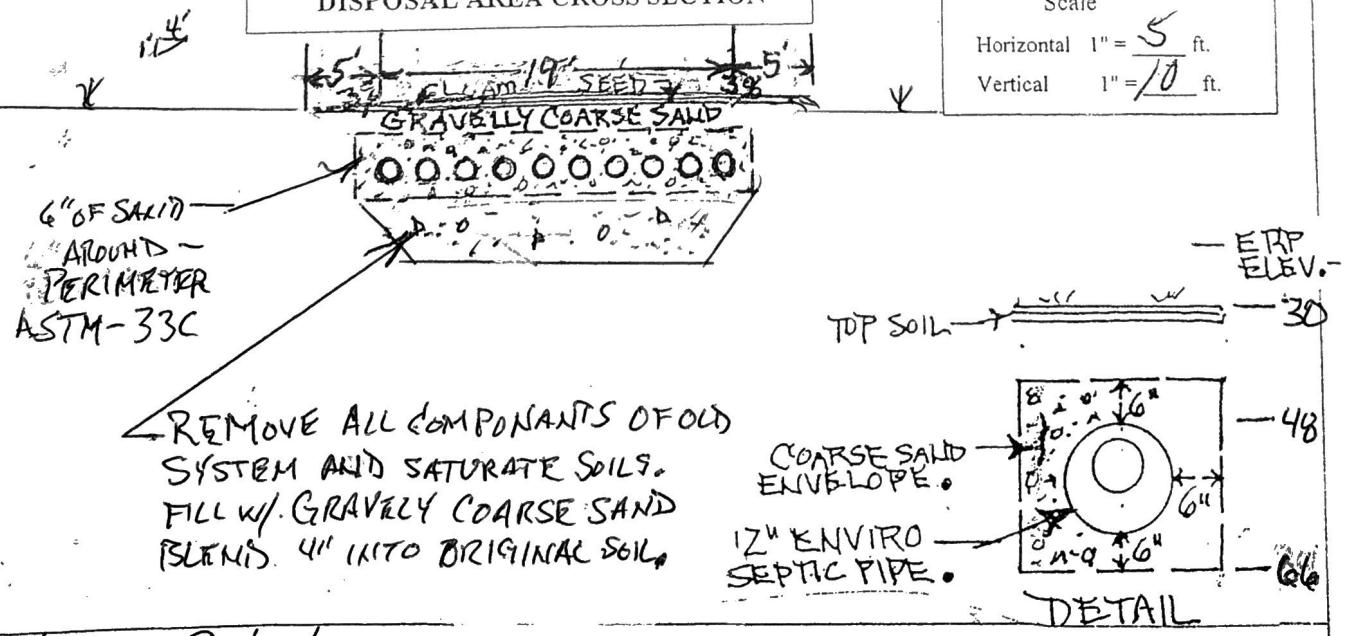
SCALE: 1" = 20 FT.



FILL REQUIREMENTS		CONSTRUCTION ELEVATIONS		ELEVATION REFERENCE POINT
Depth of Fill (Upslope)	00"	Finished Grade Elevation	-30	Location & Description: BOTTOM OF WHITE TRIM OF WINDOW
Depth of Fill (Downslope)	2"	Top of Distribution Pipe or (Proprietary Device)	-48	Reference Elevation: AT 00"
		Bottom of Disposal Area (6" SAND BASE)	-66	

DISPOSAL AREA CROSS SECTION

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



Lawrence P. McGuigle 441 8-21-2026

Site Evaluator Signature Sp. # Date

SUBSURFACE WASTEWATER DISPOSAL SYSTEM VARIANCE REQUEST: HHE-204

Maine CDC: Drinking Water Program,
Attn: SSWW Unit
286 Water Street, 3rd Floor
Augusta, ME 04330

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.

THIS FORM MUST BE SUBMITTED WITH THE HHE-200

GENERAL INFORMATION

Town/City/Plantation	OTTISFIELD	System's Address	22 HENIGER PARK RD
Owner's Name	DOYLE-RYAN NANCY	Phone	(978) 764-3816
Email			
Property Owner's Address	NANCYRYAN 01845@GMAIL.COM	State	
Zip Code			

The subsurface wastewater disposal system design for the subject property requires:

☐ First Time System Variance ☐ Replacement System Variance **With...** ☐ Local Approval ☐ Local & State Approval

SPECIFIC VARIANCE REQUESTED (To be filled in by Site Evaluator) **SEE PAGE THREE**

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 their professional opinion feels the variance request is justified and the site limitations can be overcome, they 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.

DUE SITE LIMITATIONS W/ PRE EXISTING WELL AND GREATEST DISTANCE BETWEEN THE WELL AND FIELD IS (66'). WITH THIS BEING A REPLACEMENT SYSTEM LPI HAS THE AUTHORITY TO APPROVE THIS VARIENCE.

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

Lawrence P Mahoney Jr — *Signature of Site Evaluator*

8-21-2026 — Date

PROPERTY OWNER

I, _____ (Printed Name), 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.

Signature of: ☐ Owner or ☐ Agent for Owner — Date

APPROVAL AT LOCAL LEVEL (ONLY)

The Local Plumbing Inspector shall review all variance requests prior to rendering a decision.

I, _____ (Printed Name), 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 subsurface 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 request variance.

I (☐ will / ☐ will not) issue a permit for the system's installation as proposed by the application.

Signature of LPI	Date

APPROVAL REQUIRING REFERRAL TO THE DEPARTMENT

FOR LPI USE ONLY:

The local plumbing inspector shall review all variance requests prior to forwarding to the Division of Environmental Health

I, _____ (Printed Name), 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 subsurface 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 request variance.

I (☐ will / ☐ will not) issue a permit for the system's installation as proposed by the application.

Signature of LPI	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 Department	Date

NOTES:

1. Variances for soil conditions may be approved at the local level if the total point assessment is at least the minimum allowed. (See Section 14(E)) in the Subsurface Wastewater Disposal Rules for LPI Authority.)
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 14(F)) The LPI's signature is <u>required</u> 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 14A- 14K).		
	CHARACTERISTIC	**POINT ASSESSMENT**
Soil Profile		
Depth to Ground Water		
Terrain		
Size of Property		
Waterbody Setback		
Water Supply		
Type of Development		
Disposable Area Adjustment		
Vertical Separation Distance		
Additional Treatment		
	TOTAL POINT ASSESSMENT:	

Soils (From HHE-200)	Soil Profile	3	Soil Condition	C	Limiting Factors	Ground Water Table		Restrictive Layer	40"	Bedrock	

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 1,000 gpd	1,000 to 1,999 gpd	2,000 gpd and over	Less than 1,000 gpd	1,000 to 1,999 gpd	Over 2,000 gpd	To:	To:
Wells with water usage of 2,000 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	88	80
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. slabs, 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 10 ft	30 down to 15 ft	40 down to 20 ft	8 down to 5 ft	14 down to 7 ft	20 down 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 graveyard boundaries, measures from the down toe of the fill extension	25 ft	25 ft	25 ft	25ft	25 ft	25 ft		
Stormwater infiltration systems	100 down to 60 ft	200 down to 120 ft	300 down to 180 ft	100 down to 50 ft	100 down to 50 ft	100 down to 50 ft		
Wet-ponds, retention ponds, and detention basis (excavated below grade); Soil filters under-drained swales, under-drained outlets, and similar structures	50 down to 25 ft [d]	100 down to 50 ft [d]	150 down 75 ft [d]	50 down to 25 ft [d]	50 down to 25 ft [d]	50 down to 25 ft [d]		
Stormwater detention basins (basin bottom at, or above, pre-development grade)	25 down to 12 ft	50 down to 25 ft [d]	75 down to 35 ft [d]	25 down to 12 ft	25 down to 12 ft	25 down to 12 ft		

Additional Notes:

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 this rule pertaining to work adjacent to or within wetlands and water bodies (for more details, see Section 13).
[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.
[e] The above table comes from Table 9A for replacement systems. First-time systems may use this form but should refer to Section 8.