SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Dept. of Health & Human Services
Division of Environmental Health, 11 SHS
(207) 287-5672 FAX (207) 287-4172

PROPERTY LOCATION

City, Town, or Plantation	ELLSWORTH
Street or Road	PATRIOT ROAD
Subdivision, Lot #	

OWNER/APPLICANT INFORMATION

Name (last, first, MI): TOZIER, DONNY ☒ Owner ☐ Applicant

Mailing Address of ☒ Owner ☐ Applicant: 10 PATRIOT ROAD, ELLSWORTH, ME. 04605

Daytime Tel. #: (207) 479-2848

>> CAUTION: LPI APPROVAL REQUIRED <<

Town/City ___ Permit # ___

ELLSWORTH PERMIT # 5925

Date Permit Is STATE ___ Charged ( )

DATE 9-10-15 FEE $ 265.00 DBL

___ DWIGHT TILTON ___ #628 ___

Local F

LORETTA ROBERTS MR #1092 ☐ 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 # 60 Lot # 5-1-1

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.

Donald Tozier — Signature of Owner or Applicant

___ Date

CAUTION: INSPECTION REQUIRED

I have inspected the installation authorized above and found it to be in compliance with Subsurface Wastewater Disposal Rules Application. 9-12-15 (1st Date Approved)

Local Plumbing Inspector Signature

9-15-15 (2nd Date Approved)

PERMIT INFORMATION

TYPE OF APPLICATION

- ☐ 1. First Time System
- ☒ 2. Replacement System

Type Replaced: BED

Year Installed: 2000±

- ☐ 3. Expanded System
  - ☐ a. < Minor Expansion
  - ☐ b. ≥ Major Expansion
- ☐ 4. Experimental System
- ☐ 5. Seasonal Conversion

SIZE OF PROPERTY

___ ☐ sq. ft.

2½ ☒ acres

SHORELAND ZONING

☐ Yes ☒ No

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 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

DISPOSAL SYSTEM COMPONENT(S)

- ☐ 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

TYPE OF WATER SUPPLY

BURIED

☒ 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, CHECK CONDITION)
  - ☒ a. Regular
  - ☐ b. Low Profile
- ☐ 2. Plastic
- ☐ 3. Other: ___

CAPACITY 1000 gallons

DISPOSAL FIELD TYPE & SIZE

- ☐ 1. Stone Bed ☐ 2. Stone Trench
- ☒ 3. Proprietary Device 15 END FEED CONCRETE CHAMBERS
  - ☐ a. Cluster Array ☒ c. Linear
  - ☒ b. Regular load ☐ d. H-20 load
- ☐ 4. Other: ___

SIZE 1350 ☒ 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

270 gallons per day

BASED ON

- ☒ 1. Table 4A (dwelling unit(s)
- ☐ 2. Table 4C (other facilities)

SHOW CALCULATIONS for other facilities

SOIL DATA & DESIGN CLASS

PROFILE CONDITION: 9 / D

at Observation Hole # 1

Depth 12 "

OF MOST LIMITING SOIL FACTOR

DISPOSAL FIELD SIZING

- ☐ 1. Medium – 2.6 sq. ft./gpd
- ☐ 2. Medium-Large – 3.3 sq. ft./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 4G (meter readings) ATTACH WATER METER DATA

LATTITUDE AND LONGITUDE at Center of Disposal Area

Lat. 44° d 35 m 07.3 s N

Lon. 68° d 26 m 07.8 s W

if g.p.s., state margin of error 30'±

SITE EVALUATOR STATEMENT

I certify that on 9-15-15 (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).

Site Evaluator Signature	SE#	Date
	319	9-10-15
WILLIAM A. LaBELLE, JR.	(207) 537 - 5900	labelleseptic@rivah.net
Site Evaluator Name Printed	Telephone Number	E-mail Address

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

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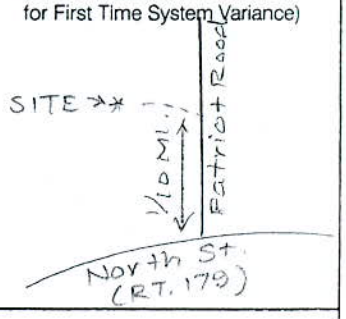
ELLSWORTH	PATRIOT ROAD	DONNY TOZIER

SITE PLAN Scale 1" = 60 Ft.

SITE LOCATION PLAN
(Attach map from Maine Atlas for First Time System Variance)



(SEE ATTACHED SITE PLAN)

SOIL PROFILE DESCRIPTION AND CLASSIFICATION (Location of Observation Holes Shown Above or on pg. 2A)

Observation Hole #1 ☒ Test Pit ☐ Boring

1/2 " Depth of organic horizon above mineral soil

Texture	Consistency	Color	Mottling
CLAY LOAM TO CLAY	FRIABLE / COMPACTED	OLIVE BROWN (2.5Y4/4)	N.E. / COMMON DISTINCT

DEPTH BELOW MINERAL SOIL SURFACE (inches): 10, 20, 30, 40, 50

Soil Classification: Profile	Condition	Slope	Limiting Factor: Depth	
2	D	17 %	12 "	☒ Ground Water ☐ Restrictive Layer ☐ Bedrock ☐ Pit Depth

Observation Hole _____ ☐ Test Pit ☐ Boring

" Depth of organic horizon above mineral soil

Texture	Consistency	Color	Mottling

DEPTH BELOW MINERAL SOIL SURFACE (inches): 10, 20, 30, 40, 50

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

W.C 2.4
Site Evaluator's Signature

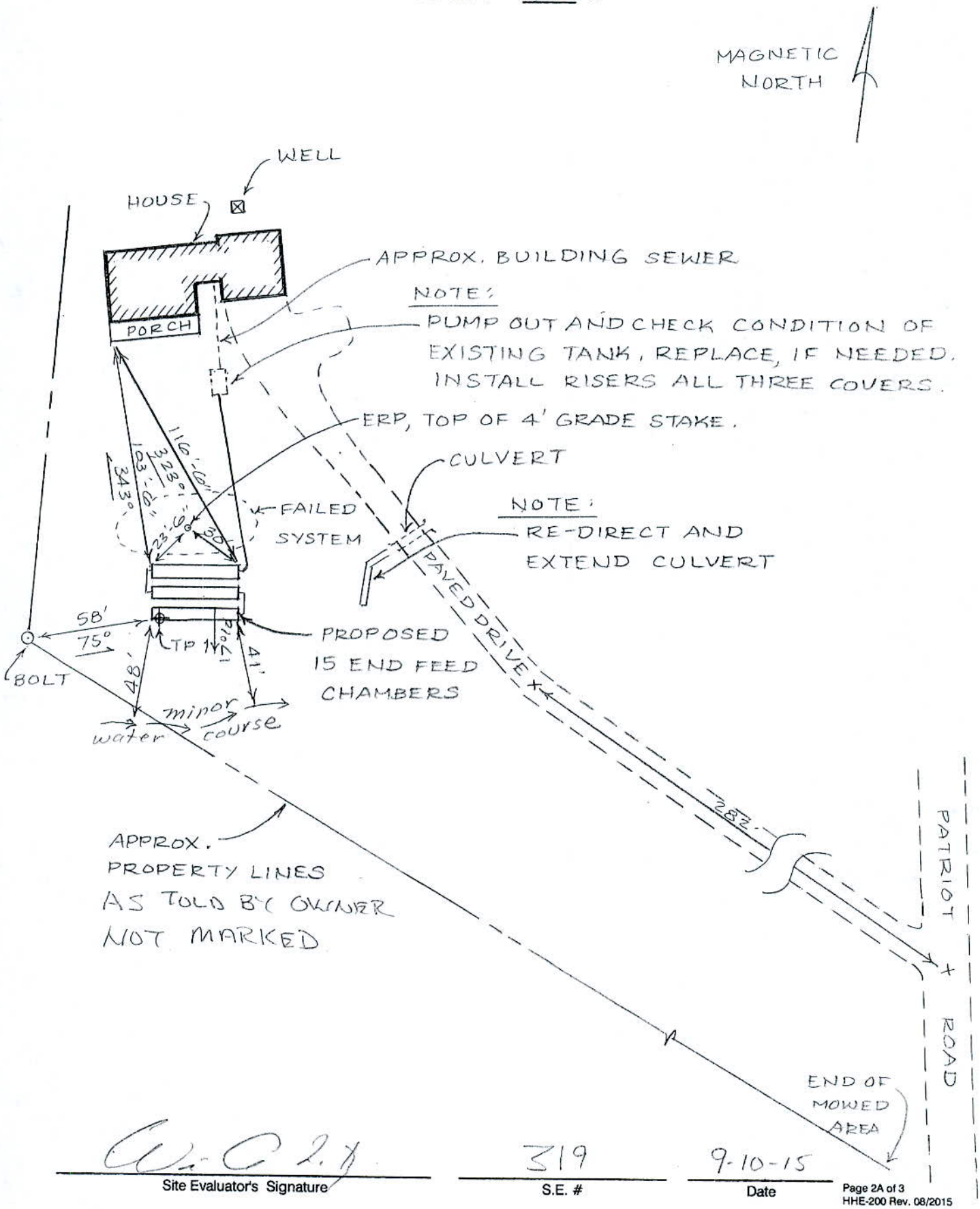
319
S. E. #

9-10-15
Date

Town, City, Plantation	Street, Road, Subdivision	Owner or Applicant Name
ELLSWORTH	PATRIOT ROAD	DONNY TOZIER

SITE PLAN:

SCALE: 1" = 60 FT.



Site Evaluator's Signature	S.E. #	Date
	319	9-10-15

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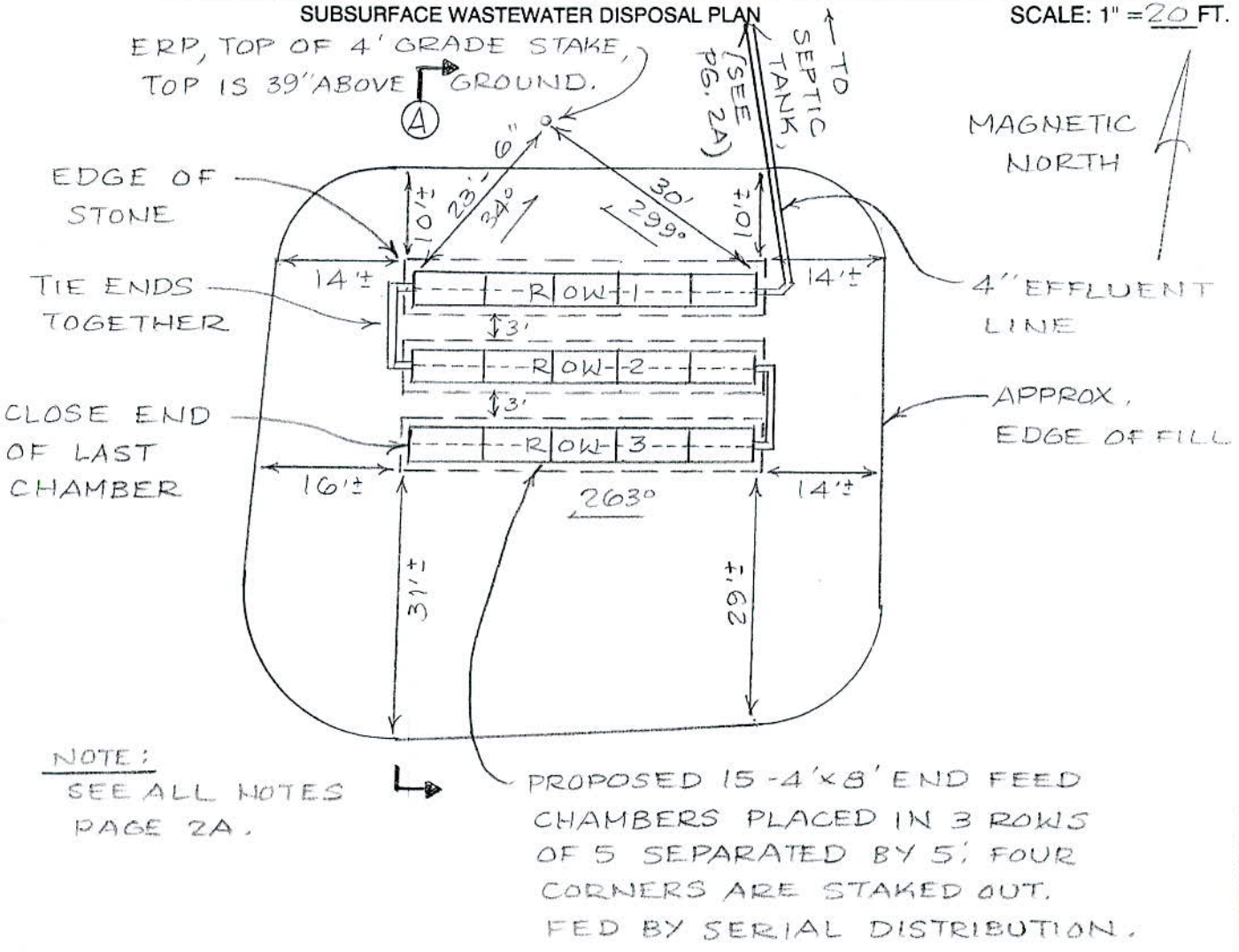
ELLSWORTH	PATRIOT ROAD	DONNY TOZIER

SUBSURFACE WASTEWATER DISPOSAL PLAN

SCALE: 1" = 20 FT.



NOTE: SEE ALL NOTES PAGE 2A.

PROPOSED 15-4'x8' END FEED CHAMBERS PLACED IN 3 ROWS OF 5 SEPARATED BY 5', FOUR CORNERS ARE STAKED OUT. FED BY SERIAL DISTRIBUTION.

FILL REQUIREMENTS		CONSTRUCTION ELEVATIONS	SYSTEM:	PRIVY:	ELEVATION REFERENCE POINT
Depth of Backfill (Upslope)	33"	Finished Grade Elevation	(See		Location & Description 39" ABOVE GROUND TOP OF 4' GRADE STAKE.
Depth of Backfill (Downslope)	35'-37"	Top of Distribution Pipe or Proprietary Device	attached	N/A	
Depths @ cross-section shown below or on X-sec. detail.		Bottom of Disposal Field	X Sec.)		Reference Elevation is: 0"

DISPOSAL AREA CROSS SECTION (SEE ATTACHED CROSS SECTION)

NOTES:

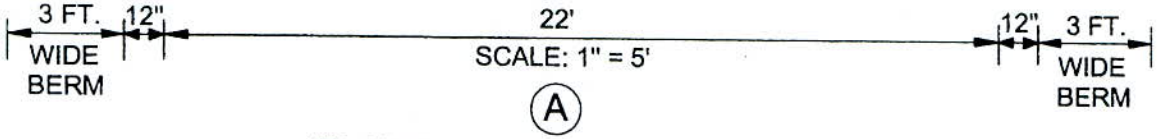
~~1. Tank(s) must be 8' minimum from building.~~

2. Grade surrounding area to divert surface water away from system.
3. All work done adjacent to wetlands and water bodies must be done in compliance with section 11-m of the Subsurface Wastewater Disposal Rules. Erosion and sediment control measures must be in accordance with the March 2003 edition of the Maine DEP Handbook "Maine Erosion and Sediment Control BMPS" (DEPWO588).
4. Install septic tank(s) risers 18" in diameter "minimum" to within 6" of finished grade on inlet, cleanout and outlet covers; (recommend extending risers to finish grade).

Site Evaluator's Signature	S.E. #	Date
W. C 2.1	319	9-10-15

DISPOSAL AREA CROSS SECTION
SLOPE 17 %

NOTE: GRADE UPSLOPE TO DIVERT SURFACE WATER AWAY FROM SYSTEM.

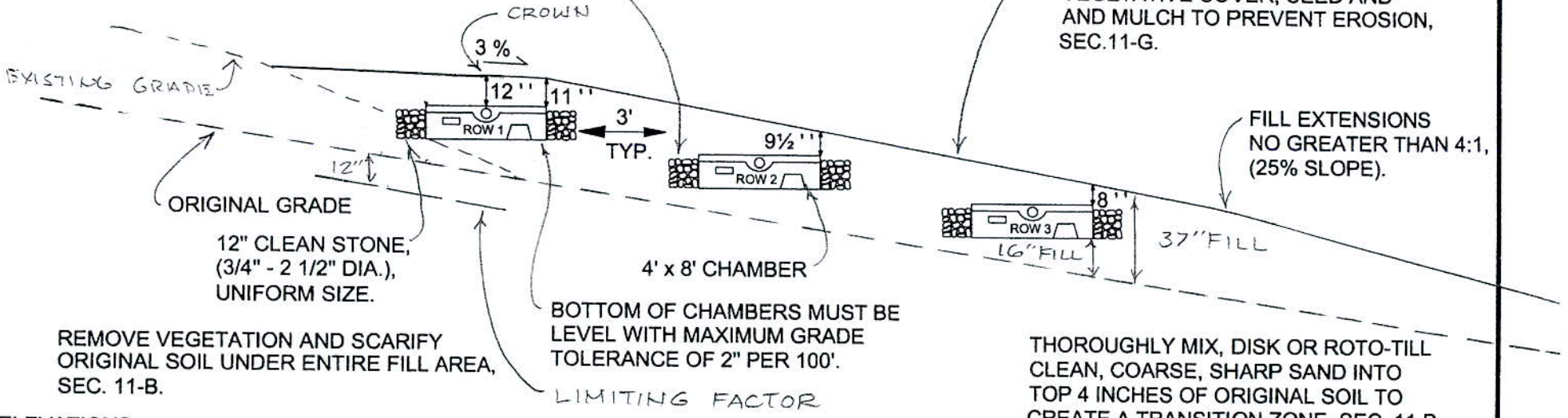


(A)

FILL MATERIAL SHALL BE 8"-12" THICK OVER CHAMBERS AND SHALL BE GRAVELLY COARSE SAND TO THE STANDARDS IN SEC. 11-E IN THE SUBSURFACE RULES.

2 '' COMPRESSED HAY (OR FILTER FABRIC) SEC. 11-F RECOMMENDED OVER STONE AND CHAMBERS

TOP 4" OF FILL TO BE A GOOD LOAM SOIL MIX TO ESTABLISH A GOOD VEGETATIVE COVER; SEED AND AND MULCH TO PREVENT EROSION, SEC.11-G.



ELEVATIONS:

		ROW 1	ROW 2	ROW 3
ELEV. REF. PT. (ERP):	0"			
FINISHED GRADE:		-31"	(-51½" MIN.)	(-71" MIN.)
TOP OF CHAMBERS:		-43"	-61"	-79"
BOTTOM OF CHAMBERS:		-56"	-74"	-92"

NOTE:
SYSTEM MUST BE INSTALLED ACCORDING TO THE RULES AND PRACTICES SET FORTH IN THE MOST CURRENT VERSION OF THE STATE OF MAINE SUBSURFACE WASTEWATER DISPOSAL RULES. INSTALLATION CONTRATOR MUST BE FAMILIAR WITH SAID RULES AND CONSTRUCT SYSTEM IN FULL COMPLIANCE WITH SECTION 11 OF SAID RULES.

OWNER: DONNY TOZIER

LOCATION: ELLSWORTH

W. C 2.4

WILLIAM A. LaBELLE, JR.

319

S.E.#

9-10-15

DATE

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 ELLSWORTH

Property Owner's Name: DONNY TOZIER Tel. No.: (207) 479-2848

System's Location: 10 PATRIOT ROAD

Property Owner's Address: 10 PATRIOT ROAD - ELLSWORTH, ME. Zip Code 04605

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. SETBACK REDUCTION: SYSTEM TO MINOR WATER COURSE 40' — TABLE 8-A
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.

VARIANCE REQUESTS MINIMIZED,

I, WILLIAM A. LABELLE, JR. #319, 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.

W. A. Labelle Jr. #319 — SIGNATURE OF SITE EVALUATOR

9-10-15 — DATE

PROPERTY OWNER

I, Donald Tozier, 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.

Donald Tozier — ☑ SIGNATURE OF OWNER ☐ AGENT FOR THE OWNER

9/10/15 — DATE

ELLSWORTH PATRIOT ROAD DONNY TOZIER

LOCAL PLUMBING INSPECTOR - Approval at local level

The local plumbing inspector shall review all variance requests prior to rendering a decision.
I, LORETTA ROBERTS, 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.

Roberts — LPI Signature

9-10-15 — Date

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