recpt 290

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Dept Health & Human Services Division of Health Engineering, 10 SHS (207) 287-5672 Fax: (207) 287-3165

PROPERTY LOCATION

City, Town, or Plantation: **Readfield**
Street or Road: **Gay Road**
Subdivision, Lot #: 110-002

>>CAUTION: PERMIT REQUIRED - ATTACH IN SPACE BELOW<<

Town/City: Readfield Permit # ~~EES~~ 2592
Date Permit Issued 7/16/21 Fee $ 265 Double Fee Charged [ ]
L. P. I. # 688
Local Plumbing Inspector Signature
Fee: $ 62.50 State min fee: $ 187.00 Locally adopted fee Dep 15
Copy: [X] Owner [ ] ... [ ] State

OWNER/APPLICANT INFORMATION

Name (last, first, MI): **Cushing, John-David** [✓] Owner [ ] Applicant
Mailing Address of Applicant: **P.O. Box 171**, **Readfield, ME 04355**
Daytime Tel.# 242-8075

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 # 110 Lot # 002

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: 7-16-2021

CAUTION: INSPECTION REQUIRED

I have inspected the installation authorized above and found it to be in compliance with the Subsurface Wastewater Disposal Rules Application. 7/3/21 (1st) date approved

Local Plumbing Inspector Signature — 8/13/21 (2nd) date approved

PERMIT INFORMATION

TYPE OF APPLICATION

[✓] 1. First Time System
[ ] 2. Replacement System
Type replaced:
Year installed:
[ ] 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 9graywater & 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

2.63 [ ] SQ.FT. [✓] ACRES

SHORELAND ZONING

[ ] Yes [✓] No

DISPOSAL SYSTEM TO SERVE

[✓] 1. Single Family Dwelling Unit, No.of Bdrms: **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 **Proposed**

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

TREATMENT TANK

[✓] 1. Concrete
[✓] a. Regular
[ ] b. Low Profile
[ ] 2. Plastic
[ ] 3. Other:
CAPACITY: **1,000**

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: **900** [✓] 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
[ ] 3. Section 4G (meter readings)
ATTACH WATER METER DATA

SOIL DATA & DESIGN CLASS

PROFILE **3** | CONDITION **C** | DESIGN
at Observation Hole #
Depth **20"**
of Most Limiting Soil Factor

DISPOSAL FIELD SIZING

[ ] 1. Medium—2.6 sq. st. / 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

LATITUDE AND LONGITUDE

at center of disposal area
Lat. **44 d** **24 m** **319 s**
Lon. **69 d** **54 m** **218 s**
if g.p.s., state margin or error:

SITE EVALUATOR STATEMENT

I certify that on 11-Jun-21 (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 — **S.E. # 301** — **6/16/2021**

Stephen P. Robbins 377-6707 narrowspd@aol.com

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

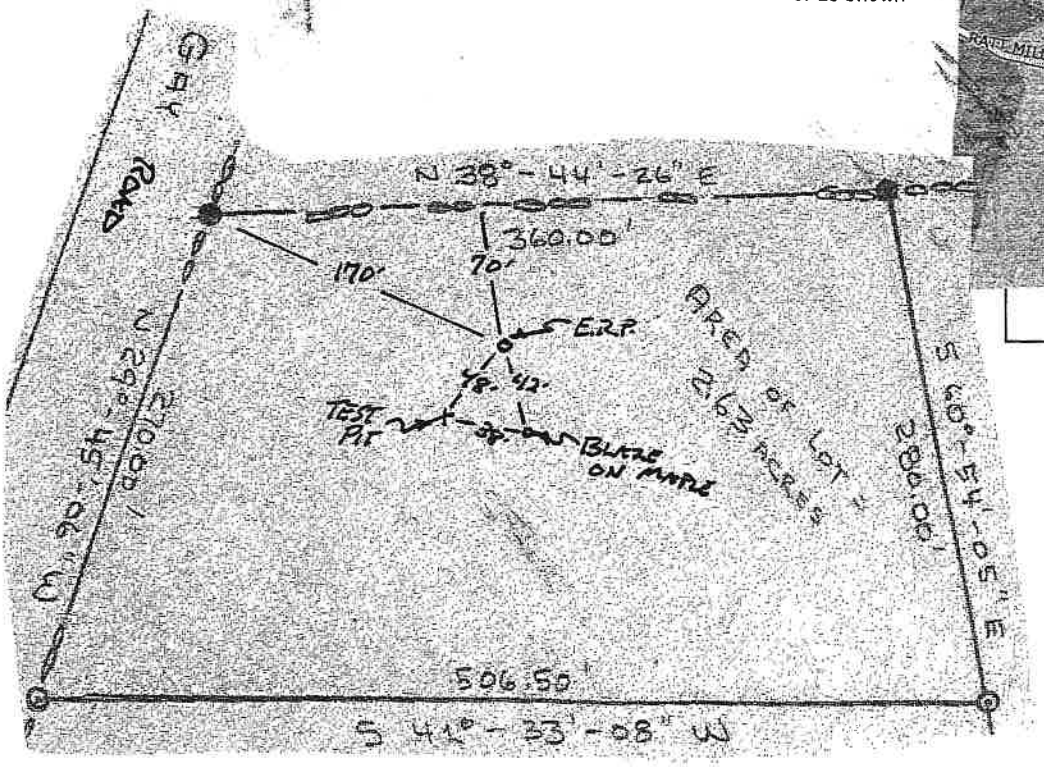
HHE-200 Rev. 11/13

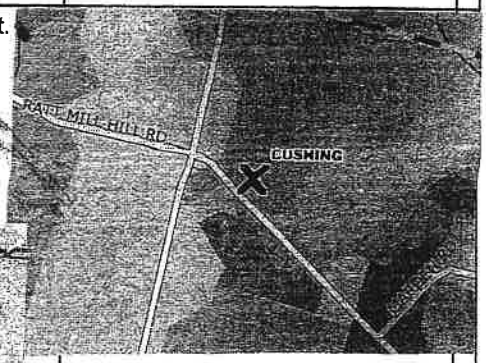
Street, Road, or Subdivision

Readfield | **Gay Road** | Owner's Name: **Cushing, John-David**

SITE PLAN

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





SOIL DESCRIPTION AND CLASSIFICATION (LOCATION OF OBSERVATION HOLES SHOWN ABOVE)

Observation Hole **#1** ☑ Test Pit ☐ Boring

1 " Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (inches)

	Texture	Consistency	Color	Mottling
0–10	Sandy loam	Friable	Red brown	
20–50	Loamy sand	Firm	Olive gray	Common

Soil Classification: Profile **3** / Condition **C**

Slope: **11%**

Limiting Factor: **20"**

☑ Ground Water ☐ 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
0–50				

Soil Classification: Profile _____ / Condition _____

Slope _____ Limiting _____

☐ Ground Water ☐ Restrictive Layer ☐ Bedrock ☐ Pit Depth

Stephen P. Robbins — Site Evaluator Signature — S.R.

301 — SE #

6/16/21 — Date

HHE-200 Rev 7/97

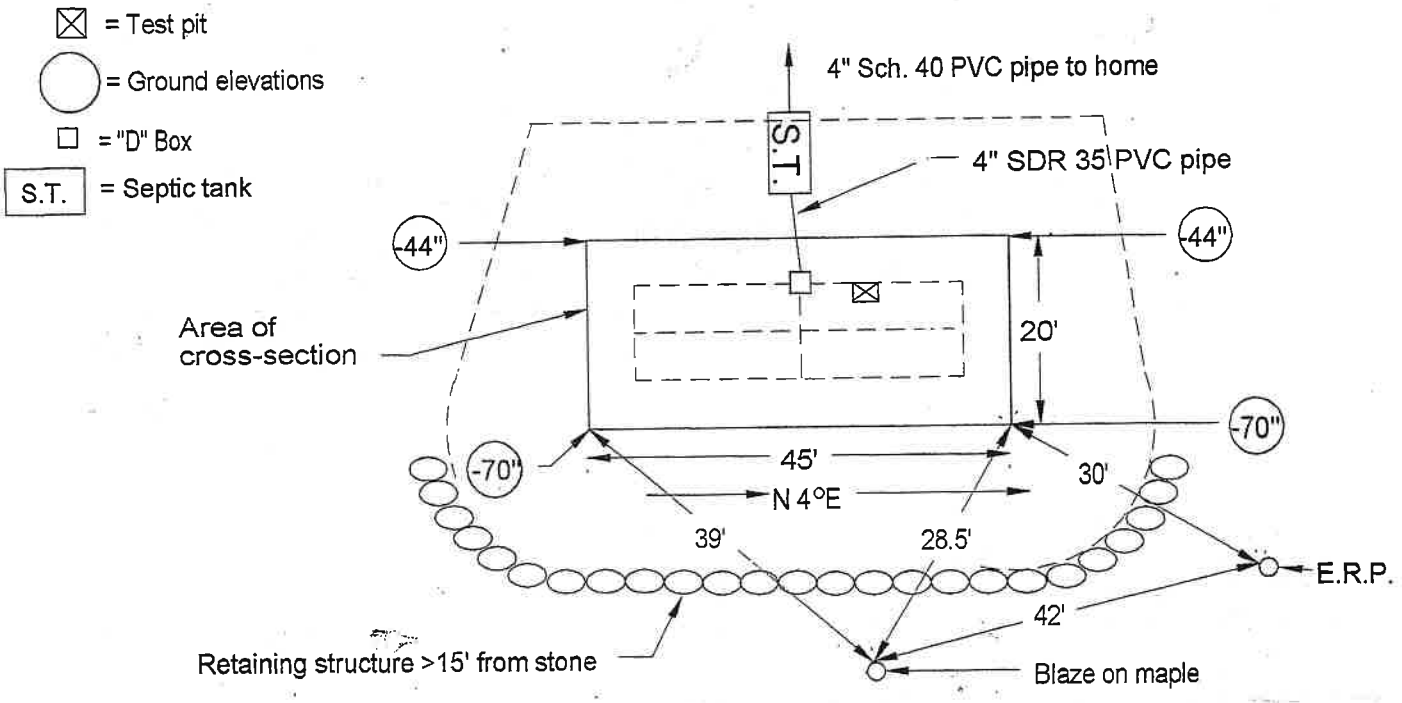
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Readfield	**Gay Road**	**Cushing, John-David**

SUBSURFACE WASTEWATER DISPOSAL PLAN

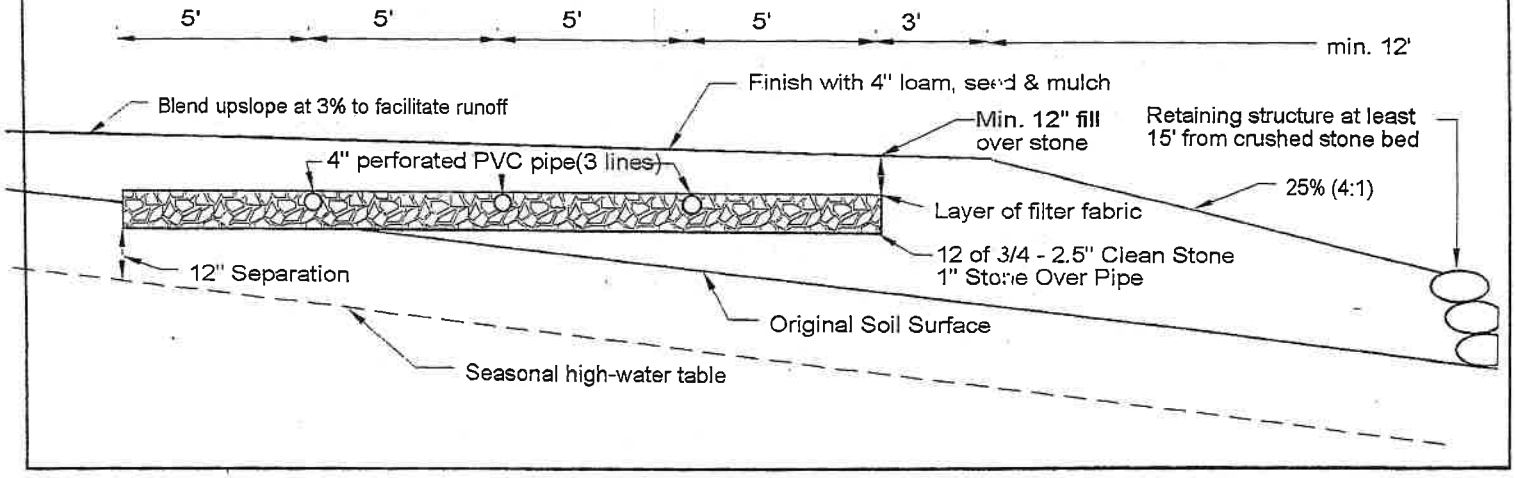
Scale: 1"= **20** ft.



BACKFILL REQUIREMENTS		CONSTRUCTION ELEVATIONS		ELEVATION REFERENCE POINT	
Depth of Backfill (upslope)	**16** "	Finished Grade Elevation	**-28** "	Location & Description:	**Nail in**
Depth of Backfill (downslope)	**42** "	Top of Distribution Pipe or Proprietary Device	**-41** "	**20" ash, 72" above ground**	
DEPTHS AT CROSS-SECTION (shown below)		Bottom of Disposal Field	**-52** "	Reference Elevation is : 0.0" or:	

DISPOSAL FIELD CROSS-SECTION

Scales:
Vertical: 1"= **5** ft.
Horizontal: 1"= **5** ft.



Town **Readfield** Address **Gay Road** Owner **Cushing, John-David**

ATTACHMENT TO HHE-200

Caution: Before starting, contractor must insure fill depth amounts match with elevations given. Contact designer immediately with any discrepancies.

Notes:

1. Construction to conform to "State of Maine Subsurface Wastewater Disposal Rules".
2. Property lines shown are as provided by owner, agent, or municipality. No guarantee of accuracy is implied. Actual property lines must be confirmed by survey.
3. Remove organic material and **roto-till** area under drain-field and fill extensions.
4. Unless otherwise specified, all fill will be coarse sand to a gravelly coarse sand. See Sec. 804.0 in the State of Maine Subsurface Waste-water Disposal Rules for further clarification of fill requirements. In 8" lifts, compacted as placed. First lift to be thoroughly mixed with original soil, to form a transition horizon.
5. Septic tanks and pump stations shall be installed water-tight to prevent infiltration of ground and surface water.
6. Force mains, pump stations, and or gravity piping subject to freezing shall be adequately insulated.
7. Unless otherwise specified, septic tank to be located by contractor; at minimum; 8' to proposed or existing home and or buildings, 10' to property line & water supply line, 50' to all wells, 100' and shoreline. Water-body setback can be reduced to 50' with monolithic (1 piece) tank.
8. A septic tank outlet filter is recommended.
9. If replacement system with new tank, existing tank or cesspool to be filled with soil or removed. If existing tank is to be utilized, thoroughly inspect & replace outlet baffle with plastic filter.
10. Unless otherwise specified, this plan does not allow the placement of pumps between the waste-water source and the septic tank.
11. Unless otherwise specified, disposal area to existing or proposed buildings setback is 20'.
12. Water from gutters, driveways, walks, and other surface water to be diverted away from system.
13. Loam, seed and mulch all disturbed areas to prevent erosion and facilitate runnoff.
14. Unless otherwise specified, keep traffic heavier than lawn tractor away from all components of system.
15. Keep sanitary napkins, cigarette butts, coffee grounds, paper towels, grease, and nonbiodegradables out of system.
16. Many times it is impossible to locate water supplies. Property owner assumes responsibility of proper setback to any unknown water supplies.
17. Discharge from water treatment equipment and residential foundation/floor drains is not considered waste-water and must not be plumbed into septic system. This flow should be diverted into a separate drywell (disposal area that does not require design or permit). A floor drain used for anything other than fresh-water disposal does require design and permit.
18. Plumbing fixtures must be strictly maintained to insure excess water does not enter septic system. Excess water can lead to premature clogging and total failure of disposal area.
19. Venting of disposal area is not required, but can facilitate biological action in disposal area.
20. Pumped systems will be equipped with audible high water alarm, wired to separate circuit as pump.
21. If a BK2000 Waste-Water Management system or any other Norweco products are included in this design, or SoilAir or other GeoMatrix products are included in this design; the designer may have a financial interest in the sale of these products. Owner is encouraged to research comparable products and make final choice. If owner chooses a competitors product, design will be revised to note said change at no charge.
22. Take 3 copies of the plan to your local plumbing inspector for required permit.
23. Install tank with top of outlet pipe no lower than **-35"** to avoid pumping.

Stephen P. Robbins **SE # 301** Date: **6/16/21**

S.P.