SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

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

PROPERTY LOCATION

City, Town, or Plantation	Cumberland
Street or Road	Feldspar Lane
Subdivision, Lot #	Mineral Springs Subdivision,Unit 24

OWNER/APPLICANT INFORMATION

Name (last, first, MI): B.R. Property, LLC — ☑ Owner ☐ Applicant

Mailing Address of Owner/Applicant	39 Nubbin Reach Yarmouth, Maine 04096
Daytime Tel. #	(207) 776-3031

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

☐ 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: _____
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 (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

40.9 +/- ☐ 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 TANK

☑ 1. Concrete
☑ a. Regular
☐ b. Low Profile
☐ 2. Plastic
☐ 3. Other: _____
CAPACITY: 1,000 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: 720 ☑ 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 facilites

SOIL DATA & DESIGN CLASS

PROFILE CONDITION
12/5 / C
at Observation Hole # TP-24
Depth 94 "
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

☑ Not Required
☐ May Be Required
☐ Required
depends on level of plumbing in building
Specify only for engineered systems:
DOSE: _____ gallons

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

LATITUDE AND LONGITUDE

at center of disposal area
Lat. N 43 d 48 m 34.13 s
Lon. W 70 d 19 m 13.16 s
if g.p.s, state margin of error: ~1 ft +/-

SITE EVALUATOR STATEMENT

I certify that on 3/13/2025 (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
Andrew Gobeil	#370	3/21/2025

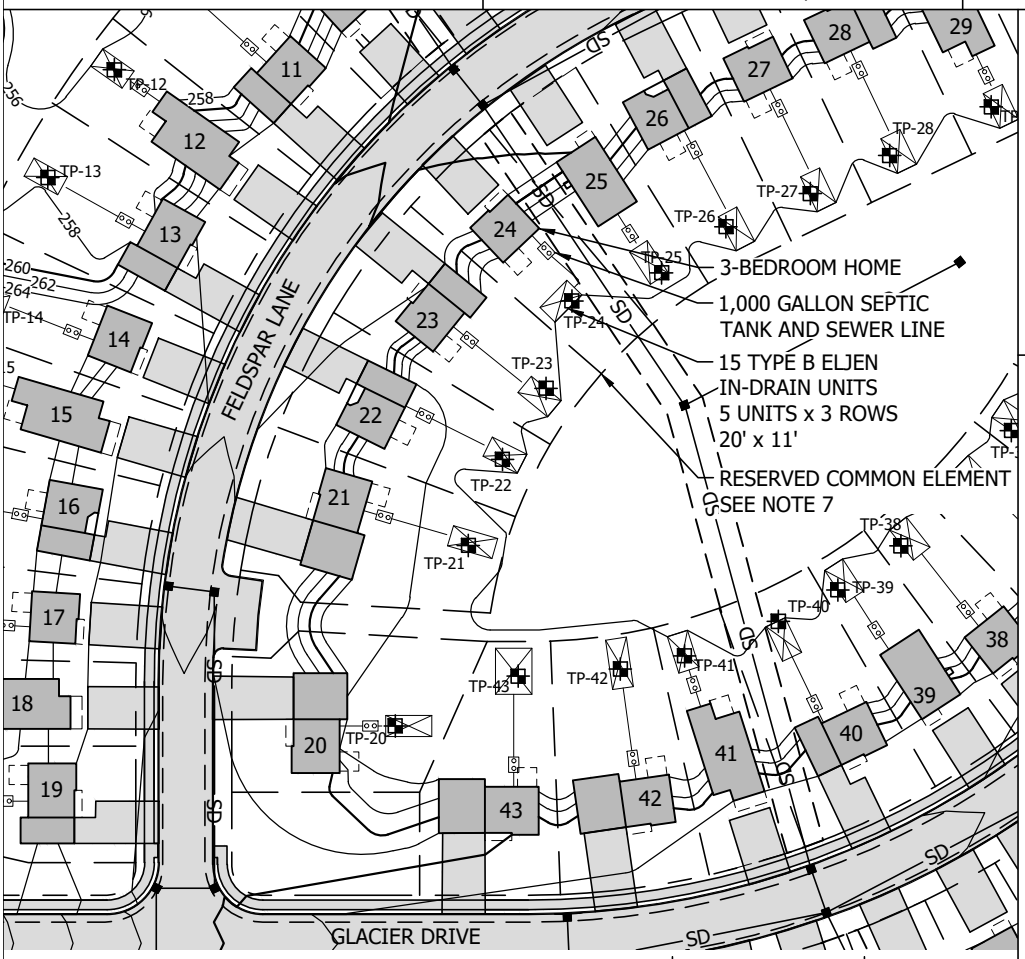
Site Evaluator Name Printed	Telephone Number	E-mail Address
Andrew Gobeil	(207) 829-5016	apg@smemaine.com

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

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

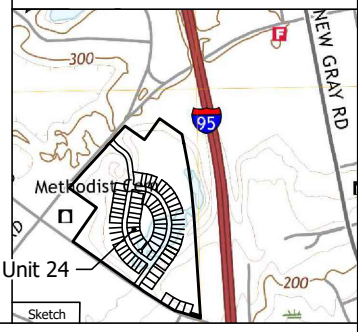
Maine Department of Human Services
Division of Health Engineering, Station 10
(207) 287-5672 Fax: (207) 287-3165

Town, City, Plantation	Street, Road, Subdivision	Owner or Applicant Name
CUMBERLAND	MINERAL SPRINGS SUBDIVISION, UNIT 24	B.R. PROPERTY, LLC



SITE PLAN Scale 1" = 100 ft. 0 50' 100'

SITE LOCATION PLAN



Notes:
1. Property lines shown are based on information provided by applicant and are approximate. This is not a professional survey. The property boundaries shown are located more than 10 feet from proposed disposal field based on information provided by applicant.
2. It is the responsibility of the contractor/excavator to confirm that there are no underground utilities (e.g., electric, gas, water) in areas proposed to be excavated.
3. Mineral Springs Subdivision is planned to be served by public water system from off-site water source.
4. Proposed disposal field meets applicable setback standards from off-site wells.
5. Proposed disposal field must be located at least 20 feet from proposed home foundation(s).
6. Proposed septic tank must be located at least 8 feet from proposed home foundation(s).
7. Property boundary setbacks do not apply to reserved common element boundaries.
8. Remove unsuitable fill soil to depth of native loose gravelly sand and replace with gravelly coarse sand beneath and within 3 feet horizontal of disposal field. For Lot 24, native gravelly sand is approximately 63 inches from the existing grade on March 13, 2025, which correlates to an elevation of 250.0 feet relative to site datum.

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

Observation Hole # TP-24 ☒ Test Pit ☐ Boring

0 " Depth of organic horizon above mineral soil

Depth below mineral soil surface (inches)

	Texture	Consistency	Color	Mottling
0	**Form Depths Modified Due to Observation Depths SHWT Established 7/19/2023 Reevaluated 3/13/2025 for New Fill Placed See Note 8**			
12	**Misc. Fill (Loam, Silt, Sand, Stones)**	**Varies**	**Varies**	
24				
36				
48				
60	**Fine to Medium Gravelly Sand (Fill)**	**Friable**	**7.5YR 4/3**	
72	**Medium to Coarse Gravelly Sand**	**Loose**	**7.5YR 7/3**	
84				**SHWT @ 94"**
96	**(Fine Sand @100")**		**(7.5YR 8/3 @100")**	
	Limit of Observation at 120"			

Soil	Classification	Slope	Limiting Factor	
12/5 Profile	**C** Condition	**1 to 2** Percent	**94"** Depth	☒ Groundwater ☐ Restrictive Layer ☐ Bedrock

Observation Hole # _____ ☐ Test Pit ☐ Boring

" Depth of organic horizon above mineral soil

Depth below mineral soil surface (inches)

	Texture	Consistency	Color	Mottling
0				
6				
12				
18				
24				
30				
36				
42				
48				

Soil	Classification	Slope	Limiting Factor	
Profile	Condition	Percent	Depth	☐ Groundwater ☐ Restrictive Layer ☐ Bedrock

Andrew Dobeck — Site Evaluator Signature

#370 — SE #

3/21/2025 — Date

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SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

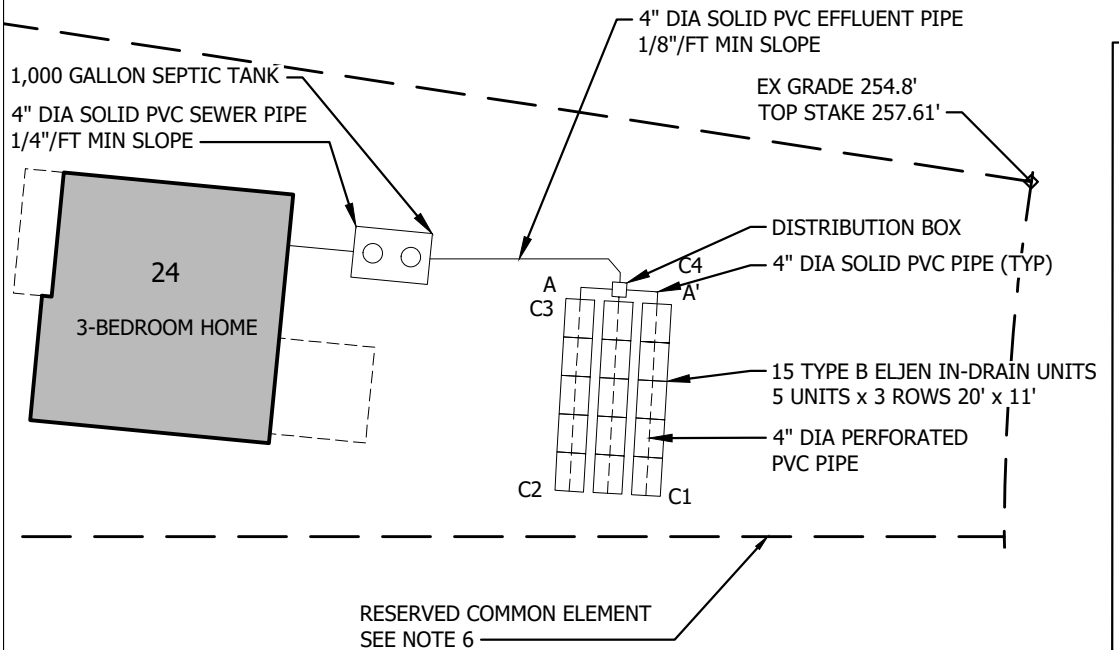
Maine Department of Human Services
Division of Health Engineering, Station 10
(207) 287-5672 Fax: (207) 287-3165

Town, City, Plantation	Street, Road, Subdivision	Owner or Applicant Name
CUMBERLAND	MINERAL SPRINGS SUBDIVISION, UNIT 24	B.R. PROPERTY, LLC

SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale: 1" = 20 ft.
0 10' 20'

CORNERS	EX GRADE	FILL
C1	255.6'	See Note 9
C2	255.8'	See Note 9
C3	255.2'	See Note 9
C4	255.4'	See Note 9



Notes:
1. Insulate distribution box.
2. All construction materials must be in accordance with State of Maine Subsurface Wastewater Disposal Rules (10-144, CMR 241).
3. Horizontal bends in sewer line must not be sharper than 45 degrees. The inside angle between adjacent sections of pipe must be no less than 135 degrees.
4. Install a minimum of one watertight riser for septic tank cover access in accordance with Maine Subsurface Wastewater Disposal Rules.
5. Consult with Site Evaluator if gravity flow is not feasible.
6. Property boundary setbacks do not apply to reserved common element boundaries.
7. All fill extensions are based on project grading plan. Proposed grading shown meets Maine Subsurface Wastewater Disposal Rules shoulder and fill extension requirements.
8. 3% crown slope not needed if the proposed grade is ≥3% in direction perpendicular to cross-section.
9. Final grade below existing filled grade.

BACKFILL REQUIREMENTS

Depth of Backfill (upslope) See Note 9
Depth of Backfill (downslope) See Note 9
DEPTHS AT CROSS-SECTION (shown below)

CONSTRUCTION ELEVATIONS

Finished Grade Elevation	(at Row 1)	254.00'
Top of Proprietary Device	(at Row 1)	252.57'
Bottom of Disposal Field	(at Row 1)	251.65'

ELEVATION REFERENCE POINT

Location & Description: Top of set stake (See above)
Reference Elevation is: NA or: 257.61'

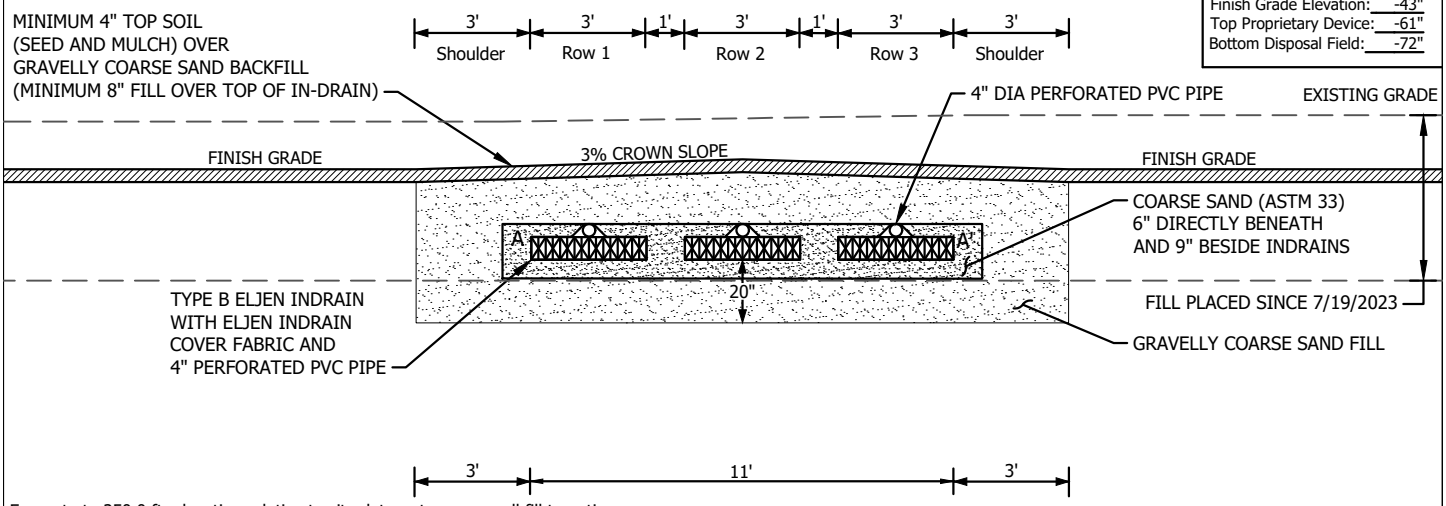
NOTE: SCARIFY ALL GROUND TO BE FILLED.
PLEASE SEE ATTACHED SHEET FOR NOTES REQUIRED BY ELJEN IN-DRAIN MANUFACTURER TO ACCOMPANY THIS DESIGN PLAN.

DISPOSAL FIELD CROSS SECTION

Row	Bottom	Top
Rows 1-3	251.65'	252.57'

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

Conversion of Elevations to inches relative to E.R.P.
Finish Grade Elevation: -43"
Top Proprietary Device: -61"
Bottom Disposal Field: -72"



Excavate to 250.0 ft, elevation relative to site datum, to remove all fill to native soil beneath and minimum 3 feet horizontal to perimeter of disposal field.

Andrew Gobeil	#370	3/21/2025
Site Evaluator Signature	SE #	Date

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9.0 Required Notes on Design Plans

1. This system (is / is not) designed for the use of a garbage disposal.
2. This system is not designed for backwash from a water softener.
3. On raised systems, the organic loam layer must be removed from trench or bed and slope extension areas prior to fill placement. A bucket with teeth is best used for this construction step as buckets without teeth can compact and smear the underlying soil.
4. Scarify subsoil prior to fill placement.
5. Backfill material shall meet Section ~~11~~ 12(E) Table ~~11~~ 12A of the Maine Rules. All backfill material shall be clean bank run sand, free of topsoil or humus and dredging directly beneath the EDA.
6. The 6" underneath and 9" surrounding the GSF modules shall be installed using a medium to coarse washed sand with an effective size of 0.25 to 2.0 mm, no greater than 10% passing a #100 sieve and no greater than 5% passing a #200 sieve, and no particles larger than .375", or materials meeting the ASTM C33 specification with less than 10% passing a #100 sieve and less than 5% passing a #200 sieve. Washed concrete sand easily meets the above specification and is a reliable choice. Suitability of bank run sand must be verified.
7. Fill (cover material) and Backfill material (fill added below and around the GSF Specified Sand envelope) shall be bank run sand with less than 4 to 8% passing a #200 sieve and clay less than 2% and no stones larger than 3" in any dimension to a minimum depth of 12" over the GSF modules with the last 4" to 6" of cover being clean loam.
8. Any system which is more than 18" below finish grade as measured from the top of the modules shall be vented.
9. This design complies with and must be installed in accordance with the Eljen Design and Installation Manual.