25084

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Department of Human Services
Division of Health Engineering, 11 SHS
(207) 287-2070 Fax: (207) 287-4172

PROPERTY LOCATION

City, Town, or Plantation	Bowdoinham
Street or Road	377 River Road
Subdivision, Lot #	

OWNER/APPLICANT INFORMATION

Name (last, first, MI): Wandrei, Justin — ☒ Owner ☐ Applicant

Mailing Address of Owner/Applicant	377 River Road Bowdoinham, ME 04008
Daytime Tel. #	(207) 837-8313

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

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

PERMIT INFORMATION

TYPE OF APPLICATION
- ☐ 1. First Time System
- ☐ 2. Replacement System
  - Type replaced: stone bed
  - Year installed: 1982±
- ☒ 3. Expanded System
  - ☒ a. <25% Expansion (minor)
  - ☐ b. ≥ 25% Expansion (major)
- ☐ 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
  - Effluent filter on septic tank

SIZE OF PROPERTY
3± ☐ SQ. FT. ☒ ACRES

SHORELAND ZONING
☐ Yes ☒ No

DISPOSAL SYSTEM TO SERVE
- ☒ 1. Single Family Dwelling Unit, No. of Bedrooms: 4-bdrm
- ☐ 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 (new) 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: Eljen In-Drains

SIZE: 1,344 ☒ 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 4A (dwelling unit(s))
- ☐ 2. Table 4C(other facilities)

SHOW CALCULATIONS for other facilites
4-bdrms @ 90gpd = 360gpd
- ☐ 3. Section 4G (meter readings)

ATTACH WATER METER DATA

SOIL DATA & DESIGN CLASS
PROFILE CONDITION DESIGN
3 / C

at Observation Hole # TP-1/B-2
Depth 28 "
of Most Limiting Soil Factor

DISPOSAL FIELD SIZING
- ☐ 2. Medium---2.6 sq. ft. / gpd
- ☒ 3. Medium---Large 3.3 sq. f.t / gpd
- ☐ 4. Large---4.1 sq. ft. / gpd
- ☐ 5. Extra Large---5.0 sq. ft. / gpd

EFFLUENT/EJECTOR PUMP
- ☒ 1. Not Required *See notes p.3
- ☐ 2. May Be Required
- ☐ 3. Required

Specify only for engineered systems:
DOSE: _____ gallons

LATITUDE AND LONGITUDE
at center of disposal area
Lat. 44 d 01 m 21 s
Lon. 69 d 52 m 16 s
if g.p.s, state margin of error: _____

SITE EVALUATOR STATEMENT

I certify that on 10/9/2025 (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).

Bonnie J. Cobb — 368 — 10/14/2025
Site Evaluator Signature | SE # | Date

Bonnie J. Cobb — (207) 899-8397 — b.cobb@comcast.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.

HHE-200 Rev. 02/2011

25084

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

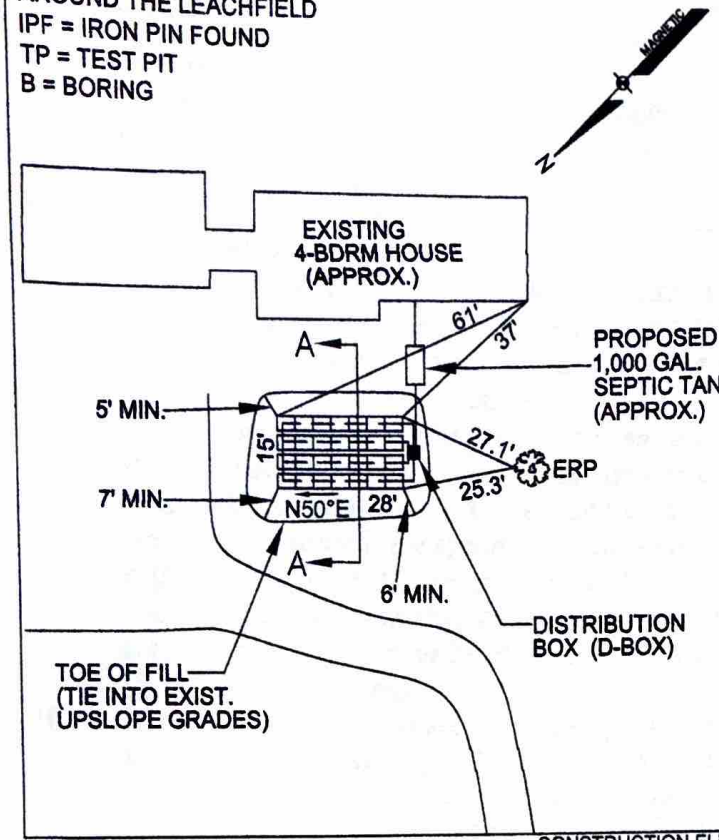
Maine Department of Human Services
Division of Health Engineering, 10 SHS
(207) 287-5672 FAX (207) 287-3165

Town, City ,Plantation	Street, Road, Subdivision	Owner or Applicant Name
Bowdoinham	377 River Road	Justin Wandrei

SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale 1" = 40 FT.

NOTE: ALLOW FOR POSITIVE DRAINAGE AROUND THE LEACHFIELD
IPF = IRON PIN FOUND
TP = TEST PIT
B = BORING



NOTE: THIS DESIGN COMPLIES WITH AND MUST BE INSTALLED IN ACCORDANCE WITH THE ELJEN DESIGN INSTALLATION MANUAL.

NOTE: 4" PERFORATED PVC PIPE IS TO BE USED OVER IN-DRAIN UNITS, CONNECTING END-PIPES ARE TO BE SOLID 4" PVC.

NOTE: DISTRIBUTION BOX IS TO BE OVERSIZED IF SYSTEM IS PUMPED.

NOTE: PROPERTY LINE TO BE VERIFIED PRIOR TO CONSTRUCTION.

NOTE: THIS SYSTEM IS NOT DESIGNED FOR BACKWASH FROM A WATER TREATMENT SYSTEM.

NOTE: CONTRACTOR TO LOCATE SEPTIC TANK AS HIGH AS POSSIBLE TO MAINTAIN GRAVITY FLOW TO THE DISPOSAL FIELD IF POSSIBLE.

NOTE: CONTRACTOR TO CONTACT SITE EVALUATOR IF GRAVITY FLOW FROM EXISTING HOME CANNOT BE ACHIEVED W/GIVEN CONSTRUCTION ELEVATIONS.

PROPOSED DISPOSAL FIELD

4 ROWS OF 7 ELJEN IN-DRAINS IN CLUSTER ARRAY. (TOTAL 28 UNITS) 15' X 28'

NOTE: ALL MATERIALS AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE MAINE SUBSURFACE WASTEWATER DISPOSAL RULES DATED 9/23, AS AMENDED AND SUPPLEMENTED BY THE ATTACHED GENERAL NOTES WHICH BECOME A PART OF THIS DESIGN.

BACKFILL REQUIREMENTS (above existing)

Depth of Fill (Upslope): 0"+
Depth of Fill (Downslope): varies 6"-8"

CONSTRUCTION ELEVATIONS

Finished Grade Elevation
Top of Eljen In-Drain: -64"
Bottom of Eljen In-Drain
Bottom of Eljen Specified Sand

Top of Pipe: -48" Min. / -60" / -71" / -77"

ELEVATION REFERENCE POINT

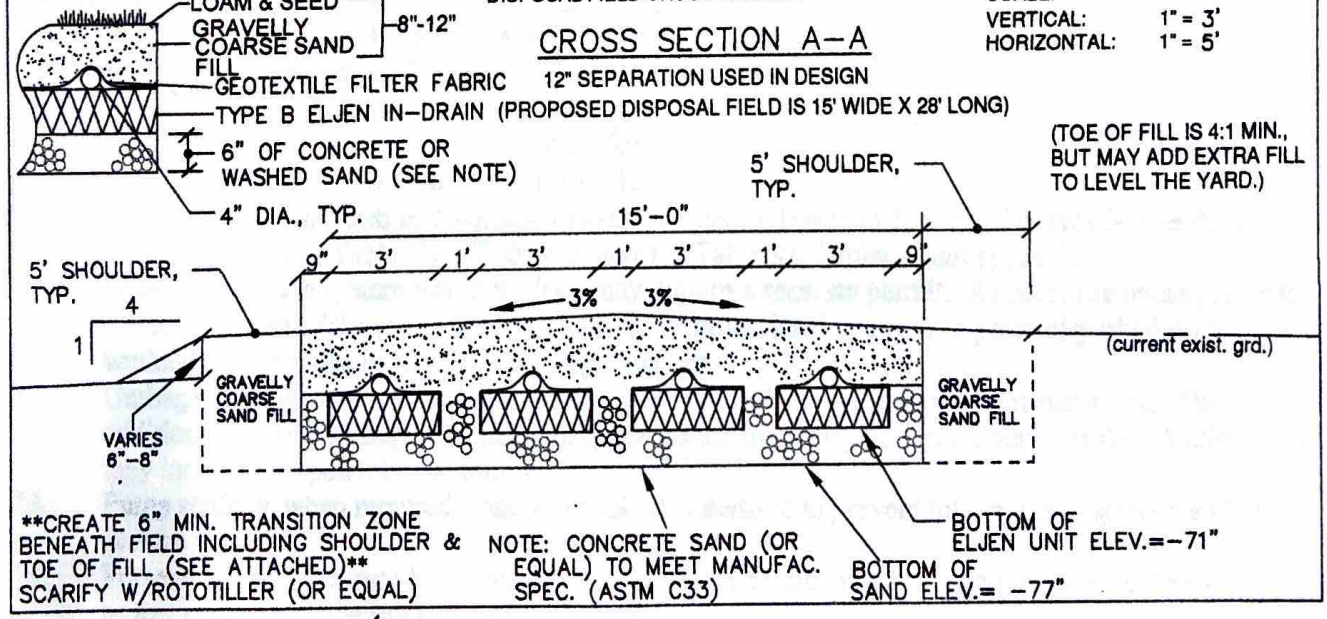
Location & Description: Nail up 27" in a 20" dia. Maple tree.
Reference Elevation: 0"

DISPOSAL FIELD CROSS SECTION

CROSS SECTION A–A

12" SEPARATION USED IN DESIGN

SCALE:
VERTICAL: 1" = 3'
HORIZONTAL: 1" = 5'



(TOE OF FILL IS 4:1 MIN., BUT MAY ADD EXTRA FILL TO LEVEL THE YARD.)

CREATE 6" MIN. TRANSITION ZONE BENEATH FIELD INCLUDING SHOULDER & TOE OF FILL (SEE ATTACHED) SCARIFY W/ROTOTILLER (OR EQUAL)

NOTE: CONCRETE SAND (OR EQUAL) TO MEET MANUFAC. SPEC. (ASTM C33)

BOTTOM OF ELJEN UNIT ELEV.=-71"

BOTTOM OF SAND ELEV.= -77"

Site Evaluator Signature | 368 SE # | 10/14/2025 Date