# 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 | HOLDEN |
| Street or Road | COTTAGE SHORE RD. |
| Subdivision, Lot # | |

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

HOLDEN PERMIT # 1789 TOWN COPY

Date Permit Issued: 6/30/06 $ 100.00 ☐ If Double Fee Charged

Local Plumbing Inspector Signature L.P.I. # 127

## OWNER/APPLICANT INFORMATION

Name (last, first, MI): YOUNG LARRY ☒ Owner ☐ Applicant

Mailing Address of Owner/Applicant: 11 BREWSTER ST, BANGOR ME 04401

Daytime Tel. #: 478-1064 942-2718

Municipal Tax Map # 15 Lot # 14

**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: 6-30-06

**CAUTION: INSPECTION REQUIRED**

I have inspected the installation authorized above and found it to be in compliance with the Subsurface Wastewater Disposal Rules Application.

Local Plumbing Inspector Signature — (1st) date approved: 9/26/06 — (2nd) date approved

## PERMIT INFORMATION

**TYPE OF APPLICATION**

- ☒ 1. First Time System
- ☐ 2. Replacement System
  - Type replaced: _____
  - Year installed: _____
- ☐ 3. Expanded System
  - ☐ a. Minor Expansion
  - ☐ b. Major 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**

0.72A ☐ SQ. FT. ☒ ACRES

**SHORELAND ZONING**

☒ Yes ☐ No

**DISPOSAL SYSTEM TO SERVE**

- ☒ 1. Single Family Dwelling Unit, No. of Bedrooms: ____
- ☐ 2. Multiple Family Dwelling, No. of Units: ____
- ☐ 3. Other: _____ (specify)

Current Use ☐ Seasonal ☐ Year Round ☒ Undeveloped

**TYPE OF WATER SUPPLY**

PROPOSED

☒ 1. Drilled Well ☐ 2. Dug Well ☐ 3. Private ☐ 4. Public ☐ 5. Other OR FORCE LAKE WATER

## DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

**TREATMENT TANK**

- ☒ 1. Concrete
  - ☒ a. Regular TOP SEAM
  - ☐ b. Low Profile
- ☐ 2. Plastic WITH OUTLET FILTER
- ☐ 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: 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**

180 gallons per day

BASED ON:

- ☒ 1. Table 501.1 (dwelling unit(s))
- ☐ 2. Table 501.2 (other facilities)

SHOW CALCULATIONS for other facilites

2 BEDROOM HOME

- ☐ 3. Section 503.0 (meter readings)

ATTACH WATER METER DATA

**SOIL DATA & DESIGN CLASS**

| PROFILE | CONDITION | DESIGN |
|---|---|---|
| 3 | C/A | 1 |

at Observation Hole # TB1

Depth 36" of Most Limiting Soil Factor

**DISPOSAL FIELD SIZING**

- ☐ 1. Small—2.0 sq. ft. / gpd
- ☐ 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
- ☒ 2. May Be Required
- ☐ 3. Required

Specify only for engineered systems:

DOSE: _____ gallons

**LATITUDE AND LONGITUDE**

at center of disposal area

Lat. 44 d 42 m 41.3 s

Lon. 68 d 43 m 06.3 s

If g.p.s, state margin of error: UNKNOWN

## SITE EVALUATOR STATEMENT

I certify that on 5-4-06 (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 # 189 — Date 5-17-06

Mike J Gramlich — 207-843-6395 — POB 284 Holden, ME 04429

Site Evaluator Name Printed — Telephone Number — Address

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

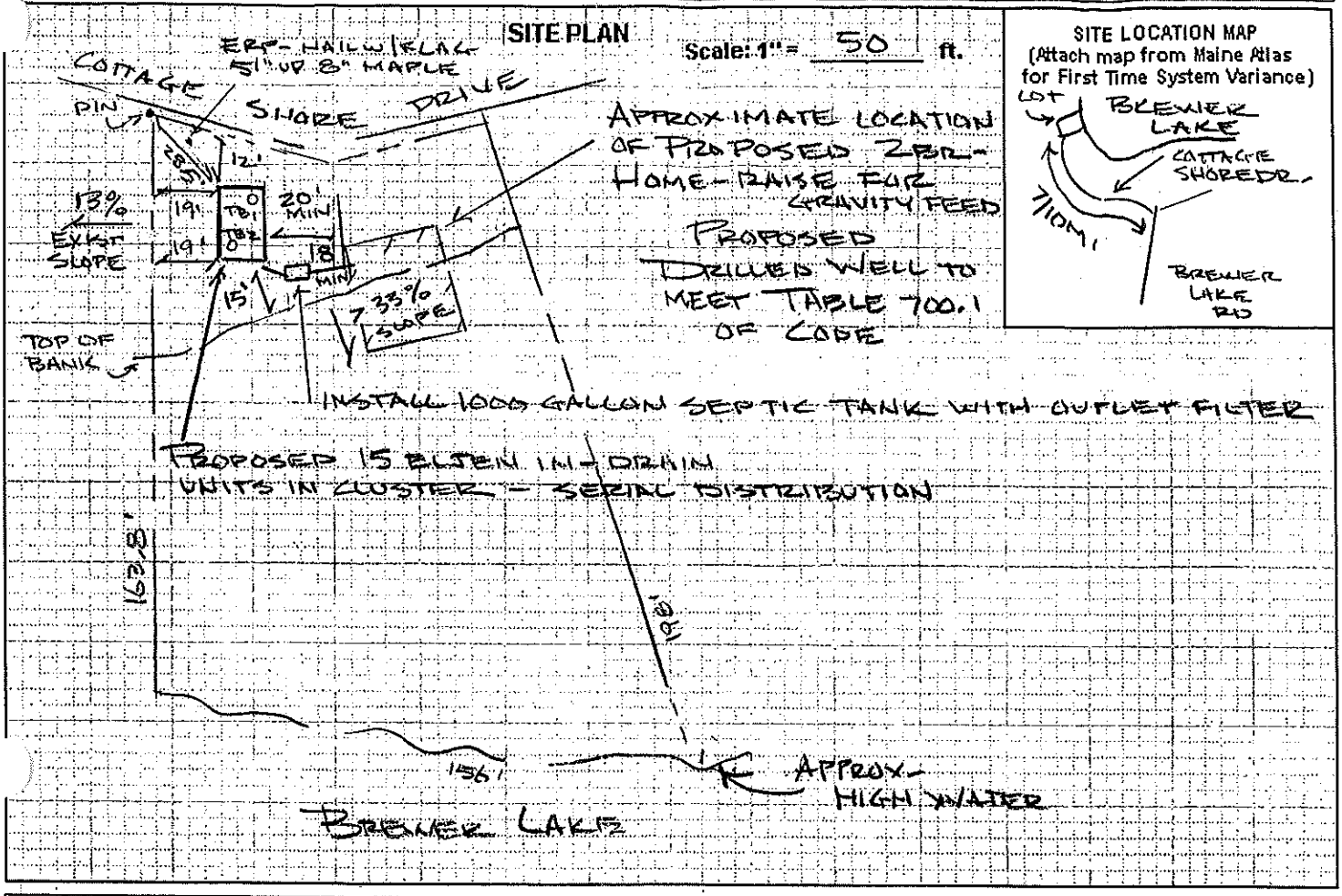
# SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Department of Human Services
Division of Health Engineering, Station 10
(207) 287-5672 FAX (207) 287-4172

| Town, City, Plantation | Street, Road, Subdivision | Owner or Applicant Name |
|---|---|---|
| HOLDEN | COTTAGE SHORE DRIVE | LARRY YOUNG |

## SITE PLAN

Scale: 1" = 50 ft.




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




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

Observation Hole # TB1&2 ☐ Test Pit ☐ Boring

2" Depth of organic horizon above mineral soil

| Depth below mineral soil surface (inches) | Texture | Consistency | Color | Mottling |
|---|---|---|---|---|
| 0 | ROCKY | | BROWN | |
| 6 | FINE | | | |
| 12 | SANDY | | | NONE |
| 18 | LOAM | FRIABLE | YELLOW | |
| 24 | | | BROWN | |
| 30 | | FIRM | | |
| 36 | | | OLIVE | |
| 42 | | REFUSAL | | |
| 48 | | | | |

| Soil | Classification | Slope | Limiting Factor | |
|---|---|---|---|---|
| 3 Profile | C/A Condition | 13 Percent | 36 Depth | ☐ Groundwater ☐ Restrictive Layer ■ Bedrock ASSUMED |

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 |

Site Evaluator Signature: Mike J Gramlich

189
SE #

5-17-06
Date

Mike J Gramlich POB 284 Holden ME 04429 207 843-6395

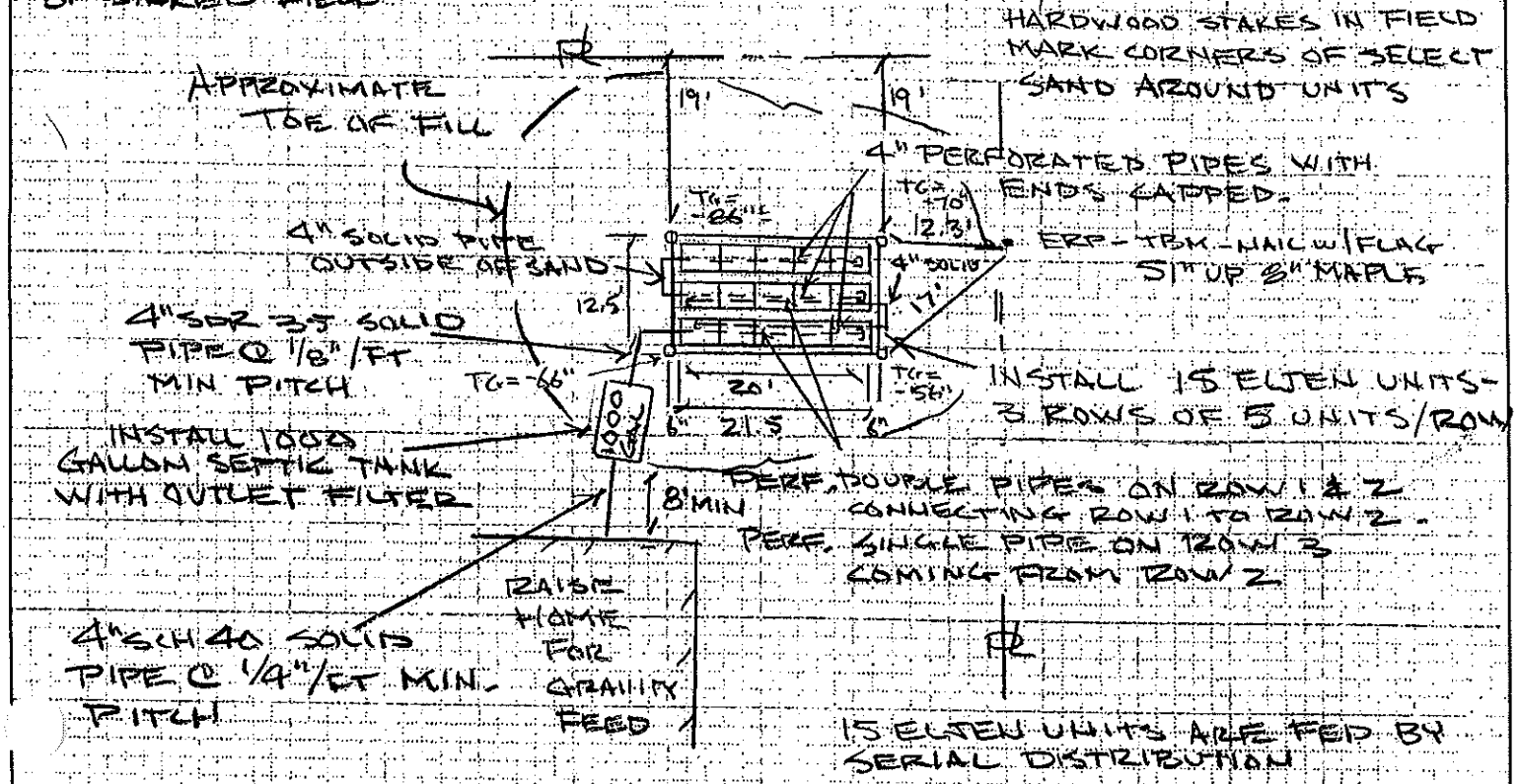
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| HOLDEN | COTTAGE SHORE DR. | LARRY YOUNG |

## SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale: 1" = 20 ft.

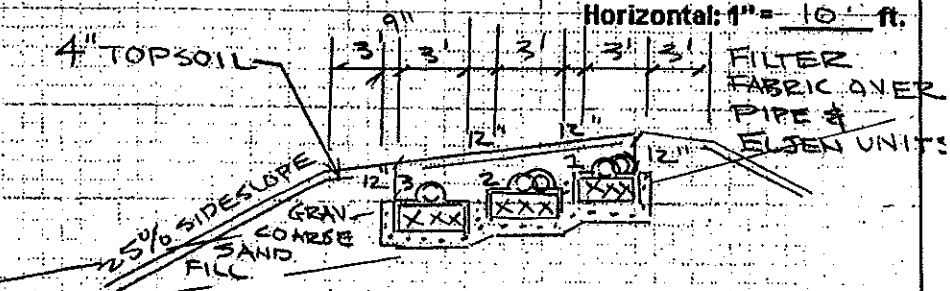



**Contractor to obtain newest Eljen installation manual prior to construction. 1-800-897-4072**
**Eljen units sit upon 6 inches of select sand and 9 inches of select sand around perimeter and 12 inches between rows.**

| BACKFILL REQUIREMENTS | | CONSTRUCTION ELEVATIONS | | ELEVATION REFERENCE POINT |
|---|---|---|---|---|
| Depth of Backfill (upslope) | 13" | Finished Grade Elevation | SEE " | Location & Description: TBM ERP - N/F 51" UP 8" MAPLE |
| Depth of Backfill (downslope) | 28" | Top of Distribution Pipe or Proprietary Device | SCH. " | |
| DEPTHS AT CROSS-SECTION (shown below) | | Bottom of Disposal Field | BELOW" | Reference Elevation is: 0.0" or: 0" |

## DISPOSAL FIELD CROSS-SECTION

Scales:
Vertical: 1" = 5' ft.
Horizontal: 1" = 10' ft.




**Note:**

1.) Scarify original surface under Disposal Field and fill extension
2.) Place gravelly coarse sand fill in 8 " lifts incorporate into underlying original soil.
3.) Disposal Field to be level with a maximum grade tolerance of 2"/100 ft.
4.) Lime, fertilize, seed & mulch, top and sides of bed and all disturbed areas to prevent erosion.
5.) See Chapter 8 of code for additional requirements.
6.) Bottom of disposal field to be below elevation of TBM (ERP) SEE SCHEDULE FOR ELEVATIONS →

| ELEVATION SCHEDULE | ROW 3 | ROW 2 | ROW 1 |
|---|---|---|---|
| FINISH GRADE | -57" | -50" | -43" |
| TOP OF ELJEN | -68 | -62 | -55" |
| BOTTOM OF SAND | -82 | -75 | -68" |

Mike J Gramlich POB 284 Holden ME 207-843-6395

Mike J Gramlich — SE #189 — 5-17-06

Site Evaluator Signature — SE # — Date