

# SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services  
Division of Health Engineering  
(207)289-3826

20-4-32

**PROPERTY ADDRESS**

Town Or Plantation: KENNEBUNKPORT

Street Subdivision Lot #: MAP 20, BLOCK 4, LOT 32

ELIZABETHAN DRIVE

**PROPERTY OWNERS NAME**

Last: TONNESON First: RICHARD

Applicant Name: \_\_\_\_\_

Mailing Address of Owner/Applicant (If Different): P.O. BOX 655 A  
KENNEBUNKPORT, ME. 04046

**KENNEBUNKPORT**

Caution: Permit Required

1583 TOWN COPY

Date Permit Issued: 6-7-93

Local Plumbing Inspector Signature: Robert L Brown

FEE: \$117.50

L.P.I. # 13110

☐ Double Fee Charged

**Owner/Applicant Statement**

I certify that the information submitted is correct to the best of my knowledge and understand that any falsification is reason for the Local Plumbing Inspector to deny a Permit.

Signature of Owner/Applicant: [Signature]

Date: 5/13/93

**Caution: Inspection Required**

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

Local Plumbing Inspector Signature: Robert L Brown

Date Approved: 6-16-93

## PERMIT INFORMATION

<b>THIS APPLICATION IS FOR:</b> 1. <input type="checkbox"/> NEW SYSTEM 2. <input checked="" type="checkbox"/> REPLACEMENT SYSTEM 3. <input type="checkbox"/> EXPANDED SYSTEM 4. <input type="checkbox"/> EXPERIMENTAL SYSTEM	<b>THIS APPLICATION REQUIRES:</b> 1. NO RULE VARIANCE 2. <input type="checkbox"/> NEW SYSTEM VARIANCE Attach New System Variance Form 3. <input checked="" type="checkbox"/> REPLACEMENT SYSTEM VARIANCE Attach Replacement System Variance Form a. <input checked="" type="checkbox"/> Requiring Local Plumbing Inspector Approval b. <input type="checkbox"/> Requires State and Local Plumbing Inspector Approval 4. <input type="checkbox"/> MINIMUM LOT SIZE VARIANCE	<b>INSTALLATION IS:</b> <b>COMPLETE SYSTEM</b> 1. <input type="checkbox"/> NON-ENGINEERED SYSTEM 2. <input type="checkbox"/> PRIMITIVE SYSTEM (Includes Alternative Toilet) 3. <input type="checkbox"/> ENGINEERED (+ 2000 gpd) <b>INDIVIDUALLY INSTALLED COMPONENTS:</b> 4. <input type="checkbox"/> TREATMENT TANK (ONLY) 5. <input type="checkbox"/> HOLDING TANK _____ GAL 6. <input type="checkbox"/> ALTERNATIVE TOILET (ONLY) 7. <input checked="" type="checkbox"/> NON-ENGINEERED DISPOSAL AREA (ONLY) 8. <input type="checkbox"/> ENGINEERED DISPOSAL AREA (ONLY) 9. <input type="checkbox"/> SEPARATED LAUNDRY SYSTEM
<b>SEASONAL CONVERSION</b> to be completed by the LPI 5. <input type="checkbox"/> SYSTEM COMPLIES WITH RULES 6. <input type="checkbox"/> CONNECTED TO SANITARY SEWER 7. <input type="checkbox"/> SYSTEM INSTALLED - P# _____ 8. <input type="checkbox"/> SYSTEM DESIGN RECORDED AND ATTACHED	<b>IF REPLACEMENT SYSTEM:</b> YEAR FAILING SYSTEM INSTALLED <u>1980±</u> THE FAILING SYSTEM IS: 1. <input type="checkbox"/> BED 3. <input type="checkbox"/> TRENCH 2. <input checked="" type="checkbox"/> CHAMBER 4. <input type="checkbox"/> OTHER: _____	<b>DISPOSAL SYSTEM TO SERVE:</b> 1. <input checked="" type="checkbox"/> SINGLE FAMILY DWELLING 2. <input type="checkbox"/> MODULAR OR MOBILE HOME 3. <input type="checkbox"/> MULTIPLE FAMILY DWELLING 4. <input type="checkbox"/> OTHER _____ SPECIFY _____
<b>SIZE OF PROPERTY</b> <u>36,683 Sq. Ft.±</u>	<b>ZONING</b> _____	<b>TYPE OF WATER SUPPLY</b> <u>EXISTING WELL</u>

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

<b>EXISTING TREATMENT TANK</b> 1. <input type="checkbox"/> SEPTIC: <input type="checkbox"/> Regular <input type="checkbox"/> Low Profile 2. <input type="checkbox"/> AEROBIC CHECK CONDITION, REPLACE IF NECESSARY SIZE: _____ GALS.	<b>WATER CONSERVATION</b> 1. <input checked="" type="checkbox"/> NONE 2. <input type="checkbox"/> LOW VOLUME TOILET 3. <input type="checkbox"/> SEPARATED LAUNDRY SYSTEM 4. <input type="checkbox"/> ALTERNATIVE TOILET SPECIFY: _____	<b>PUMPING</b> 1. <input checked="" type="checkbox"/> NOT REQUIRED 2. <input type="checkbox"/> MAY BE REQUIRED (DEPENDENT ON TREATMENT TANK LOCATION AND ELEVATION) 3. <input type="checkbox"/> REQUIRED DOSE: _____ GALS.	<b>CRITERIA USED FOR DESIGN FLOW (BEDROOMS, SEATING, EMPLOYEES, WATER RECORDS, ETC.)</b> <u>SINGLE FAMILY DWELLING (3 BEDROOM)</u> DESIGN FLOW: <u>270</u> (GALLONS/DAY)
<b>SOIL CONDITIONS USED FOR DESIGN PURPOSES</b> PROFILE: <u>FILLED LAND OVER 2</u> CONDITION: <u>A</u> DEPTH TO LIMITING FACTOR: _____	<b>SIZE RATINGS USED FOR DESIGN PURPOSES</b> 1. <input type="checkbox"/> SMALL 2. <input type="checkbox"/> MEDIUM 3. <input checked="" type="checkbox"/> MEDIUM-LARGE 4. <input type="checkbox"/> LARGE 5. <input type="checkbox"/> EXTRA LARGE	<b>DISPOSAL AREA TYPE/SIZE</b> 1. <input type="checkbox"/> BED _____ Sq. Ft. 2. <input checked="" type="checkbox"/> CHAMBER <u>512</u> Sq. Ft. <input checked="" type="checkbox"/> REGULAR <input type="checkbox"/> H-20 3. <input type="checkbox"/> TRENCH _____ Linear Ft. 4. <input type="checkbox"/> OTHER: <u>16 CHAMBERS</u>	

## SITE EVALUATOR STATEMENT

On APRIL 27, 1993 (date) I conducted a site evaluation for this project and certify that the data reported is accurate. The system I propose is in accordance with the Subsurface Wastewater Disposal Rules.

Site Evaluator Signature: Albert Frisch SE# 163 Date: 5/7/93

(Local Plumbing Inspector's Signature if permit is for Seasonal Conversion.)

Page 1 of 3  
HHE-200 Rev. 11/86



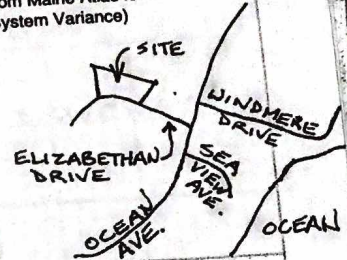
# WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services  
Division of Health Engineering

Plantation  
NEBUNK PORT  
ELIZABETHAN DRIVE  
SITE PLAN

Scale 1" = 50 ± Ft.

Owners Name  
TONNESON, RICHARD  
SITE LOCATION PLAN (Attach  
Map from Maine Atlas for  
New System Variance)



## SOIL DESCRIPTION AND CLASSIFICATION

Observation Hole TP1 ☒ Test Pit ☐ Boring

" Depth of Organic Horizon Above Mineral Soil

Texture	Consistency	Color	Mottling
0		DARK	
SANDY		BROWN	
LOAM			
6			
		MIXED	▲ ▲ ▲
10		GRAYISH	EFFLUENT
SAND (FILL)	CHAMBER		
15		OLIVE	
20		BROWN	
30			
40			
50			
LIMIT OF EXCAVATION			
Soil	Classification	Slope	Limiting Factor
Profile	Condition	%	
			<input type="checkbox"/> Ground Water <input type="checkbox"/> Restrictive Layer <input type="checkbox"/> Bedrock

## (Location of Observation Holes Shown Above)

Observation Hole TP2 ☒ Test Pit ☐ Boring

" Depth of Organic Horizon Above Mineral Soil

Texture	Consistency	Color	Mottling
0		DARK	
		BROWN	
6			
FINE		DARK	NONE
10		REDDISH	
SANDY	FRIABLE	BROWN	EVIDENT
15			
LOAM		YELLOWISH	
20		BROWN	
30			
40			
50			
REFUSAL (BEDROCK OR LARGE STONE)			
Soil	Classification	Slope	Limiting Factor
Profile	Condition	%	
			<input type="checkbox"/> Ground Water <input type="checkbox"/> Restrictive Layer <input type="checkbox"/> Bedrock

*Albert Frick*  
Site Evaluator Signature

163  
SE#

5/7/93  
Date



# ACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services  
Division of Health Engineering  
Owners Name

Street, Road, Subdivision

Antiation

NEBUNKPORT

ELIZABETHAN DRIVE

TONNESON, RICHARD

Scale 1" = 20' Ft.

## SUBSURFACE WASTEWATER DISPOSAL PLAN

EXISTING

DWELLING

(WINDOW)  
E.R.P.

GARAGE

DRIVEWAY

EXISTING 1000 GAL.  
SEPTIC TANK  
(NOTE: INVERT OF OUTLET  
IS 62" BELOW E.R.P.)

NOTE: CHECK CONDITION OF TANK  
AND BAFFLES, REPLACE  
IF NECESSARY.

TOP OF EXISTING CHAMBERS  
IS 72" BELOW E.R.P.

PROPOSED DISPOSAL AREA  
(2 ROWS OF 8 CHAMBERS EACH)

INTERMITTENT  
PONDED AREA

NOTE: REMOVE FILL MATERIAL TO  
2' BELOW AND AROUND  
EXISTING DISPOSAL AREA  
AND REPLACE WITH CLEAN  
LOAMY SAND FILL PRIOR  
TO INSTALLATION OF SYSTEM.

APPROX. PROPT. LINE

ELIZABETHAN DRIVE

### FILL REQUIREMENTS

Depth of Fill (Upslope)  
Depth of Fill (Downslope)

0-2"  
1-5"

### CONSTRUCTION ELEVATIONS

Reference Elevation is  
Bottom of Disposal Area  
Top of Distribution Lines or [Chambers]

00  
-83"  
-64"

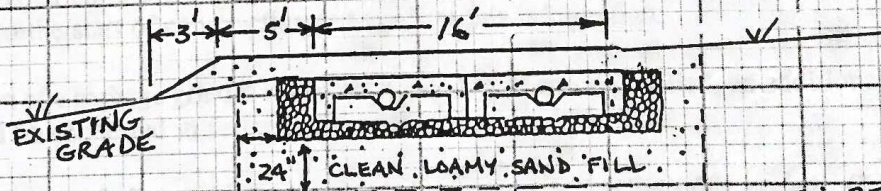
### ELEVATION REFERENCE POINT LOCATION & DESCRIPTION

BOTTOM OF GRAY WINDOW TRIM  
ON FRONT OF MAIN HOUSE.

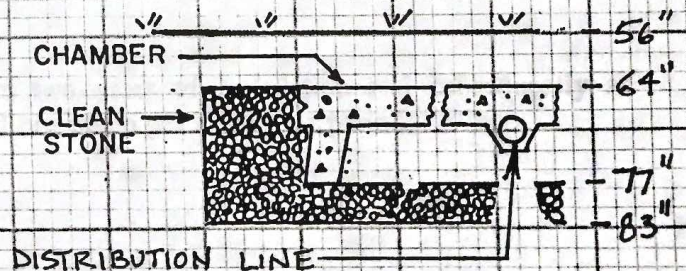
### DISPOSAL AREA CROSS SECTION

Scale:

Vertical: 1 inch = 5' Ft.  
Horizontal: 1 inch = 10' Ft.



ELEV. BELOW E.R.P.:



CHAMBER DETAIL (no scale)

Albert Frick  
Site Evaluator Signature

163  
SE#

5/7/93  
Date





**Albert Frick Associates, Inc.**

**Soil Scientists & Site Evaluators**

95A County Road  
(207) 839-5563

Gorham, Maine 04038  
FAX (207) 839-5564

Albert Frick SS, SE  
James Logan SS, SE  
Matthew Logan SE

KENNEBUNKPORT  
TOWN

ELIZABETHAN DRIVE  
LOCATION

RICHARD TONNESON  
APPLICANT'S NAME

1) The most recent revision of the State of Maine, Subsurface Wastewater Disposal Rules, is hereby made a part of this application and shall be consulted by the owner/applicant and the system installer for further construction details and material specifications. The contractor or subcontractor should contact Albert Frick Associates, 839-5563, if there are any questions concerning materials, procedures or designs. The contractor installing the system is responsible for knowledge of the State of Maine, Subsurface Wastewater Disposal Rules as it pertains to permits, inspection requirements, building drains and sewers, treatment tanks, wastewater application details and construction details sections (3,4,8,9,10 and 11D).

2) This application is intended to represent facts pertinent to the State of Maine, Subsurface Disposal Rules only. It shall be the responsibility of the owner or applicant to determine compliance with and obtain permits under all local, state and federal land-use regulations (i.e., DEP Natural Resources Protection Act, wetland regulations, zoning ordinances, subdivision regulations, etc.) before installing this system or considering this a buildable lot. A wetland scientist may be consulted regarding wetland regulations or you may contact the Army Corp of Engineering at 623-8367 or DEP at 289-2111.

The LPI shall inform the owner and designer of any local ordinances exceeding the State of Maine, Subsurface Wastewater Disposal Rules in order that the design may be amended. All designs are subject to review by local, State or federal authority. Designer's liability shall be limited to revisions required by regulatory agencies.

3) All information shown on this form relating to property lines, well locations, and subsurface structures (utility lines, drains, septic systems, water lines, etc.) are shown or left off as not affecting the proposed system based on information provided by the owner or applicant. The owner shall review this application prior to the start of construction and confirm this information.

4) Installation of a garbage grinder is not recommended. If one is installed, an additional 1000 gallon septic tank should be connected in series to the proposed septic tank.

5) The system user shall avoid introducing kitchen grease or fats into this system. Chemicals such as septic tank cleaners and chlorine (i.e. from water treatment, and controlled or hazardous substances) shall not be disposed of in this system.

6) The septic tank should be pumped within two years of installation and subsequently as recommended by the pump service but not to exceed one pump per three year period.



ATTACHMENT TO SUBSURFACE WASTEWATER DISPOSAL APPLICATION

KENNEBUNKPORT  
TOWN

ELIZABETHAN DRIVE  
LOCATION

RICHARD TONNESON  
APPLICANT'S NAME

- 7) The actual water flow or number of bedrooms shall not exceed the design criteria indicated on this application without a re-evaluation of the system as proposed. If the system is supplied by public water or a private service with a water meter, the water consumption per period should be divided by the number of days to calculate the average daily water consumption (water usage (cu.ft.) x 7.48 cu.ft.(gallons per cu.ft.) ÷ # of days in period.
- 8) The general setback between a well and septic system serving a single family residence is 100 feet, unless the local community has a more stringent requirement. A well installed by an abutter within 100 feet of the proposed or within the required setback before the permit for the disposal system is issued may void this design.
- 9) When a gravity system is proposed: **BEFORE CONSTRUCTION BEGINS**, the system installer or building contractor shall review the elevations of all points given in this application and the elevation of the existing and/or proposed building drain and septic tank inverts for compatibility to minimum Code slope requirements. In gravity systems, the invert of the septic tank(s) outlet(s) shall be at least 4 inches above the invert of the distribution box outlet at the disposal area. When an effluent pump is required, provisions shall be made to make certain that surface ground water does not enter the septic tank or pump station. An alarm device warning of a pump failure shall be installed. Also, when pumping is required to a chamber system, install a "T" connection in the distribution box and place 3 inches of stone or a splash plate in the first chamber. Insulate gravity pipes, pump lines and the distribution box as necessary to prevent freezing.
- 10) On all systems, remove the vegetation, organic duff and old fill material from under the disposal area and any fill extension. On sites where the proposed system is to be installed in natural soil, scarify the bottom and sides of the excavated disposal area with a rake. Do not use wheeled equipment on the scarified soil surface. For systems installed in fill, scarify the native soil by roto-tilling to a depth of at least 8 inches over the entire disposal and fill extension area to prevent glazing and to promote fill bonding. Place fill in loose layers no deeper than 8 inches and compact thoroughly before placing more fill (this ensures that voids and loose pockets are eliminated to minimize the chance of leakage). Do not use wheeled equipment on the scarified soil area until after 12 inches of fill is in place. Keep equipment off the chambers. Divert the surface water away from the disposal area by ditching or shallow swales.
- 11) Unless noted otherwise, fill shall be gravelly loamy sand which contains no more than 15% fines (silt and clay). Clay content shall be less than 5%.
- 12) Do not install systems on loamy, silty, or clayey soils during wet periods since soil smearing/glazing may seal off the soil interface.
- 13) Seed all filled and disturbed surfaces with perennial grass seed, then mulch with hay or equivalent material to prevent erosion.



Albert Frick Associates, Inc.  
Soil Scientists & Site Evaluators



# REPLACEMENT SYSTEM VARIANCE REQUEST

## THE LIMITATIONS OF THE REPLACEMENT SYSTEM VARIANCE REQUEST

This form shall be attached to an application for the proposed replacement system which does not comply with the Rules. The LPI shall review the Replacement System Variance Request and Application and may approve the Request if all of the following requirements can be met, and the variance(s) requested fall within the limits of LPI's authority.

1. The proposed design meets the definition of a Replacement System from the rules.
2. A system cannot be designed and installed in total compliance with the Rules.
3. The design flow is less than 500 GPD.
4. There will be no change in use of the structure.
5. The replacement system is determined by the Site Evaluator and LPI to be the most practical method to treat and dispose of the wastewater.

## GENERAL INFORMATION

Permit No. \_\_\_\_\_ E Date Permit Issued \_\_\_\_\_ MONTH/DAY/YEAR  
Property Owner's Name: RICHARD TONNISON Tel. No. \_\_\_\_\_  
System's Location: ELIZABETHAN DRIVE STREET  
KENNERBUNK PORT Maine 04046 ZIP  
TOWN  
Property Owner's Address: P.O. BOX 655A STREET  
(if different from above) KENNERBUNK PORT ME. 04046 ZIP  
TOWN STATE

## SPECIFIC INSTRUCTIONS TO THE:

### LPI:

If any of the variances exceed your approval authority and/or do not meet all of the requirements listed under the Limitations Section above, they you are to send this Replacement System Variance Request, along with the Application, to the Department for review and approval consideration before issuing a Permit. (See reverse side for Comments Section and your signature.)

### SITE EVALUATOR:

If after completing the Application, you find that a variance for the proposed replacement system is needed, then complete the Replacement Variance Request with your signature on reverse side of form.

### PROPERTY OWNER:

It has been determined by the Site Evaluator that a variance to the Rules is required for the proposed replacement system. This variance request is due to physical limitations of the site and/or soil conditions. Both the Site Evaluator and the LPI have considered the site/soil restrictions and have concluded that a replacement system in total compliance with the Rules is not possible.

The OWNER shall sign this statement. Therefore, having read both this Replacement Variance Request and the attached Application, I understand that the proposed system is not in total compliance with the Rules and hereby release all those concerned with this Variance, provided they have performed their duties in a reasonable and proper manner.

RAH  
PROPERTY OWNER'S SIGNATURE

5/13/97  
DATE



CATEGORY	VARIANCE REQUESTED	LIMIT OF LPI'S APPROVAL AUTHORITY		VARIANCE REQUESTED TO:	
		TREATMENT TANK	DISPOSAL AREA	TREATMENT TANK	DISPOSAL AREA
Ground Water Table	Ground Water Table				
	Restrictive Layer		to 6"		inches
	Bedrock		to 6"		inches
	FROM:		to 10"		inches
Potable Water Supplies	1. Well: > 2000 gal/day	100'	300'		
	2. Well: < 2000 gal/day				
	a. Neighbor's	50'	60'		
	b. Property Owner's	25'	50'		85'±
	3. Water Supply Line	See note 'a'			
Waterbodies	1. Perennial	50'	60'		
	2. Intermittent	15'	20'		
	3. Manmade drainage ditch	10'	15'		
Downhill Slope	Greater than 3:1 (33%)	5'	10'		
Buildings	1. With Basement	5'	10'		
	2. Without Basement	5'	10'		
Property Line		4'	5'		

#### OTHER

1. Fill extension Grade—to 3:1

2.

3.

#### Footnotes:

- This setback distance cannot be reduced by variance. See Table 6-2.
- Written Permission from the owner of a well is required when a replacement system will be located less than 100 feet but closer to that well than the system it is replacing.
- Sufficient distance shall be maintained to assure that the toe of the fill does not extend to the 3:1 slope.

SITE EVALUATOR'S SIGNATURE

DATE

#### LPI STATEMENT

I, Robert L. Brown, LPI for the Town of Kennebunkport, Me have conducted an on-site inspection for the proposed replacement system and have determined to the best of my knowledge, that it cannot be installed in total compliance with the Rules, applicable Municipal Wastewater Disposal Ordinances, or the Local Shoreland Zoning Ordinance. As a result of my review of the Replacement System Variance Request, the Application, and my on-site investigation, I (check and complete either a or b):

☐ a. ( ☐ approve, ☐ disapprove ) the variance request based on my authority to grant this variance. Note: If the LPI does not give his approval, he shall list his reasons for denial in Comments Section below and return to the applicant.

—OR—

- ☐ b. find that one or more of the requested Variances exceeds my approval authority as LPI. I ( ☐ recommend ☐ do not recommend ) the Department's approval of the variances. Note: If the LPI does not recommend the Department's approval, he shall state his reasons in Comments Section below as to why the proposed replacement system is not being recommended.

Comments:

Recommend Water be tested annually  
for The Next 2 years  
Robert L Brown  
 LPI'S SIGNATURE

6-7-93  
 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