

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

State Department of Health
1077-200-0001 FAX 1077-200-0002

PROPERTY LOCATION		>> Caution: Permit Required - Attach in Space Below <<	
City, Town, or Plantation	CAPE ELIZABETH	CAPE ELIZABETH	PERMIT # 2580 STATE COPY
Street or Road	17 BROOK ROAD	Date Permit Issued	5.3.01 \$ 915.00 FEE Charged
Subdivisor, Lot #		Local Plumbing Inspector Signature	0.95.7
OWNER/APPLICANT INFORMATION		Read this application and the Maine Subsurface Wastewater Disposal Rules.	
Name (last, first, MI)	SIEGEL ROBERT		
Mailing Address of	P.O. BOX 6202 CAPE ELIZABETH, ME 04107		
Owner			
Applicant			
Owner or Applicant	799-8008	Municipal Tax Map	414 Lot 31A
Owner or Applicant Statement		Caution: Inspections Required	
I declare that the information submitted is correct to the best of my knowledge and understanding that any falsification is a violation of the Department of Health Local Plumbing Inspector to deny a permit.		I have inspected the installation described above and found it to be in compliance with the Subsurface Wastewater Disposal Rules Application.	
Signature of Owner/Applicant: Robert E Siegel 4/3/01		Local Plumbing Inspector Signature: [Signature] Date: [Blank]	

PERMIT INFORMATION		
TYPE OF APPLICATION	THIS APPLICATION REQUIRES	DISPOSAL SYSTEM COMPONENT(S)
1. ☐ First Time System 2. ☒ Replacement System Type Replaced: [Blank] Reason: [Blank] 3. ☐ Expanded System a. ☐ One time expansion b. ☐ Non-emptied 4. ☐ Experimental System 5. ☐ Seasonal Conversion	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. ☐ Minor Lot Size Variance 5. ☐ Seasonal Conversion Approval	1. ☐ Complete Non-Engineered System 2. ☐ Primitive System (dry, water, & light toilet) 3. ☐ Alternative Toilet, specify: [Blank] 4. ☐ Non-Engineered Treatment Tank, specify: [Blank] 5. ☐ Holding Tank, specify: [Blank] Gallons 6. ☒ Non-Engineered Disposal Field (Trench) 7. ☐ Septic Tank, specify: [Blank] 8. ☐ Complete Engineered System (2000 gpd) 9. ☐ Engineered Treatment Tank, specify: [Blank] 10. ☐ Engineered Disposal Field, specify: [Blank] 11. ☐ Alternative, specify: [Blank] 12. ☐ Miscellaneous Components
SIZE OF PROPERTY +/- 0.75 ☐ Acres ☒ Acres	DISPOSAL SYSTEM TO SERVE	TYPE OF WATER SUPPLY
SHORELAND ZONING ☐ Yes ☒ No	1. ☒ Single Family Dwelling (not for at least 3) 2. ☐ Multiple Family Dwelling (not for at least 3) 3. ☐ Other	1. ☒ Private Well 2. ☐ Dry Well 3. ☐ Public 4. ☐ Other

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)			
EXISTING TREATMENT TANK CHECK CONDITION OF TANK AND Baffles, REPLACE IF NECESSARY 1. ☒ Concrete 2. ☐ Plastic 3. ☐ Other CAPACITY: 1000 gallons	DISPOSAL FIELD TYPE & SIZE 1. ☐ Stone Bed 2. ☐ Stone Trench 3. ☒ Proprietary Device a. ☐ Filter media b. ☐ Other 4. ☐ Other SIZE: 960 sq ft 20 ELJEN IN DRAIN UNITS	GARBAGE DISPOSAL UNIT 1. ☒ No 2. ☐ Yes a. ☐ Specify unit below b. ☐ Multi-compartment tank c. ☐ Tank in series d. ☐ In-house in tank capacity e. ☐ Filter on tank outlet	DESIGN FLOW 270 gallons per day BASED ON: 1. ☒ Table 501 (dwelling unit) 2. ☐ Table 501-2 (other residential) SHOW CALCULATIONS for other buildings
SOIL DATA & DESIGN CLASS PROFILE: 2 A/D / 3 AT Observation Hole: TP 1 Depth: 16' Elevation: [Blank] OF MOST LIMITING SOIL FACTOR	DISPOSAL FIELD SIZING 1. ☐ Small (2.0 sq ft/gpd) 2. ☐ Medium (2.5 sq ft/gpd) 3. ☒ Medium Large (3.3 sq ft/gpd) 4. ☐ Large (4.1 sq ft/gpd) 5. ☐ Extra Large (5.0 sq ft/gpd)	PUMPING 1. ☐ Not required 2. ☐ May be required 3. ☒ Required (Specify only for engineered or experimental systems)	3 BEDROOMS AT 90 GALLONS PER DAY EACH

SITE EVALUATOR STATEMENT	
I certify that on 4/13/2001 I completed a site evaluation on this property and state that the data reported is accurate and that the proposed system is in compliance with the Subsurface Wastewater Disposal Rules (10-111A-CMR 210).	
Signature: Albert Frick	Date: 4/24/2001
Site Evaluator Signature	Date

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Department of Human Services
Division of Health Engineering

Town, City, Plantation
CAPE ELIZABETH

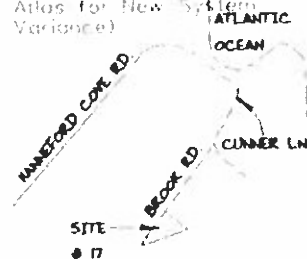
Street, Road Subdivision
17 BROOK ROAD

Owner's Name
ROBERT SIEGEL

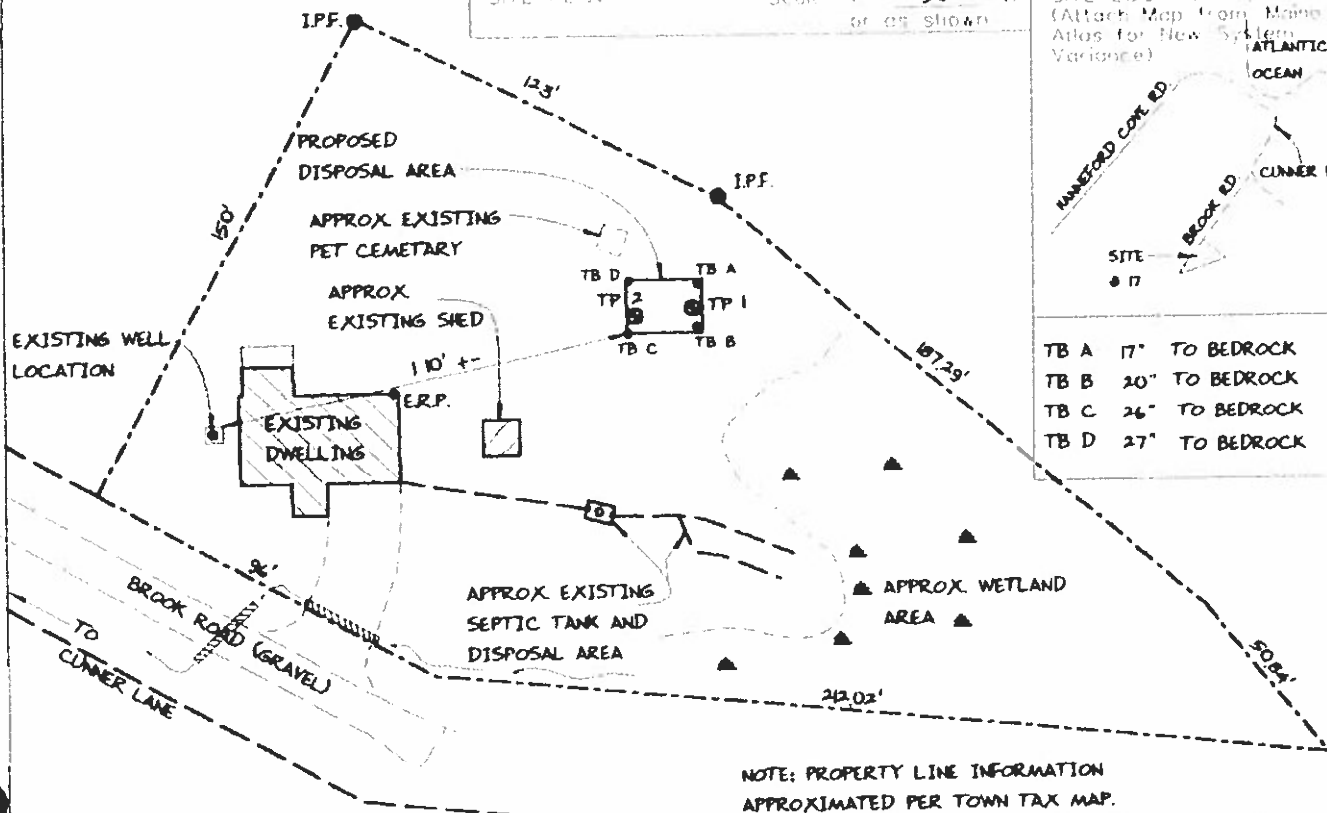
SITE PLAN

Scale 1" = 50' Ft.
or as shown

SITE LOCATION PLAN
(Attach Map from Maine
Atlas for New System
Variation)



TB A 17" TO BEDROCK
TB B 20" TO BEDROCK
TB C 26" TO BEDROCK
TB D 27" TO BEDROCK



NOTE: PROPERTY LINE INFORMATION
APPROXIMATED PER TOWN TAX MAP.

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

Observation Hole **TP 1** ☒ Test Pit ☐ Boring
Depth of Organic Horizon Above Mineral Soil

Texture	Consistency	Color	Mottling
SANDY LOAM	FRIABLE	DARK BROWN	
		YELLOW BROWN	△ △ △ FREE WATER
BEDROCK			

Soil Classification: **2** Profile **A/D** Condition
Slope: **16°** Limiting Factor
☐ Ground Water ☐ Restrictive Layer ☐ Bedrock ☐ Pit Depth

Observation Hole **TP 2** ☒ Test Pit ☐ Boring
Depth of Organic Horizon Above Mineral Soil

Texture	Consistency	Color	Mottling
SANDY LOAM	FRIABLE	DARK BROWN	
		YELLOW BROWN	△ △ △ FREE WATER
BEDROCK			

Soil Classification: **2** Profile **A/D** Condition
Slope: **20°** Limiting Factor
☐ Ground Water ☐ Restrictive Layer ☐ Bedrock ☐ Pit Depth

Albert Frick
Site Evaluator Signature

163
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4/24/2001
Date

Page 2 of 3
HLE-200 Rev 7/97

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Department of Human Services
Division of Health Engineering

Town, City, Plantation
CAPE ELIZABETH

Street, Road, Subdivision
17 BROOK ROAD

Owner's Name
ROBERT SIEGEL

SCALE 1" = 20' FT

NOTE:

ASSURE WATERTIGHTNESS IN SEPTIC TANK
AND PUMP STATION TO PREVENT
GROUNDWATER INFILTRATION

SUBSURFACE WASTEWATER DISPOSAL PLAN

EXISTING GRADE
AT CORNER

APPROX EXISTING
PET CEMETARY

PROPOSED DISPOSAL AREA
(4 ROWS OF 5 ELJEN
IN-DRAIN UNITS EACH)

ERP: BOTTOM OF BROWN SIDING
27" ABOVE GROUND LEVEL

EXISTING
DWELLING

APPROX
EXISTING
SHED

APPROX EXISTING
SEPTIC TANK

PROPOSED PUMP
STATION

CROSS
SECTION

DISTRIBUTION
BOX

APPROX PROPERTY LINE

APPROXIMATE
TOE OF FILL

1 1/2" TO 2" DIA
EFFLUENT LINE BURIED
BELOW FROST OR INSULATED
TO PROTECT FROM FREEZING

FILL REQUIREMENTS

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

± 33" - 44" Finished Grade Elevation
± 42" - 47" (Top of Distribution Pipe) or Proprietary Device
Bottom of Disposal Area (ELJEN IN-DRAIN UNIT)

CONSTRUCTION ELEVATIONS

-03"
-15"
-26"

ELEVATION REFERENCE POINT

Location & Description BOTTOM OF
BROWN SIDING, 27" ABOVE GRADE
Reference Elevation 00"

SCALE
VERTICAL 1" = 5 FT
HORIZONTAL 1" = 10 FT

DISPOSAL AREA CROSS SECTION

+/- 8' - 15' 5' 15' 5' +/- 10'
FILL EXT SHOULDER SHOULDER FILL EXT

GRAVELLY COARSE SAND

3' 1'

MAX GRD. 257'

CAP TOE OF FILL
WITH SANDY LOAM
MATERIAL TO PREVENT
WASTEWATER BREAKOUT

EXISTING GRADE (SCARIFY / ROTOTILL)

CLEAN FILL
GEOTEXTILE FABRIC
OVER 4" DIA PERF. PIPE
ELJEN IN-DRAIN UNIT

DEPTH
BELOW
ERP
-03"
-15"
-19"
-26"
-34"

Albert Frick
Site Evaluator Signature

163
SF

4/24/2001
Date

Page 3 of 3
H&E (200) Rev. 7/97



Albert Frick Associates, Inc.

Soil Scientists & Site Evaluators

95A County Road Corham, Maine 01038

(207) 839-5563

CAPE ELIZABETH
TOWN

17 BROOK ROAD
LOCATION

ROBERT SIEGEL
APPLICANT'S NAME

1) The Plumbing and Subsurface Wastewater Disposal Rules adopted by the State of Maine, Department of Human Services pursuant to 22 M.R.S.A. § 42 (the "Rules") are incorporated herein by reference and made a part of this application and shall be consulted by the owner/applicant, the system installer and/or building contractor for further construction details and material specifications. The system installer should contact **Albert Frick Associates, Inc. 839-5563**, if there are any questions concerning materials, procedures or designs. The system installer and/or building contractor installing the system shall be solely responsible for compliance with the Rules and with all state and municipal laws and ordinances pertaining to the permitting, inspection and construction of subsurface wastewater disposal systems.

2) This application is intended to represent facts pertinent to the Rules only. It shall be the responsibility of the owner/applicant, system installer and/or building contractor to determine compliance with and to obtain permits under all applicable local, state and/or federal laws and regulations (including, without limitation, Natural Resources Protection Act, wetland regulations, zoning ordinances, subdivision regulations, Site Location of Development Act and minimum lot size laws) before installing this system or considering the property on which the system is to be installed a "buildable" lot. It is recommended that a wetland scientist be consulted regarding wetland regulations.

Prior to the commencement of construction/installation, the local plumbing inspector shall inform the owner/applicant and Albert Frick Associates, Inc. of any local ordinances which are more restrictive than the Rules in order that the design may be amended. All designs are subject to review by local, state and/or federal authorities. Albert Frick Associates, Inc.'s liability shall be limited to revisions required by regulatory agencies pursuant to laws or regulations in effect at the time of preparation of this application.

3) All information shown on this application relating to property lines, well locations, subsurface structures and underground facilities (such as, utility lines, drains, septic systems, water lines, etc.) are based solely upon information provided by the owner/applicant and has been relied upon by Albert Frick Associates, Inc. in preparing this application. The owner/applicant shall review this application prior to the start of construction and confirm this information.

4) Installation of a garbage (grinder) disposal is not recommended. If one is installed, an additional 1000 gallon septic tank or a septic tank filter 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/or chlorine (such as from water treatment) and controlled or hazardous substances shall not be disposed of in this system.