R04-3-10

SUBSURFACE WASTEWATER DISPOSAL SY

CAPE ELIZABETH | PERMIT # 1736 | STATE COPY

Date Permit Issued: 5 / 12 / 95 | $ 160 FEE | ☐ If Double Fee Charged

Local Plumbing Inspector Signature: E. MacVane | L.P.I. # 357

CAPE ELIZABETH | PERMIT # 1737 | STATE COPY

Date Permit Issued: 5 / 12 / 95 | $ 130 FEE | ☐ If Double Fee Charged

Local Plumbing Inspector Signature: 297 E. MacVane | L.P.I. # 357

PROPERTY ADDRESS

Town Or Plantation: CAPE ELIZABETH

Street Subdivision Lot #: PHEASANT HILL ROAD MAP R14 LOT 3-10

PROPERTY OWNERS NAME

Last: DORAN First: ROBERT

Applicant Name:

Mailing Address of Owner/Applicant (If Different): 1 PHEASANT HILL ROAD CAPE ELIZABETH, ME. 04107

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 | Date

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 | Date Approved

PERMIT INFORMATION

THIS APPLICATION IS FOR:
1. ☒ NEW SYSTEM
2. ☐ REPLACEMENT SYSTEM
3. ☐ EXPANDED SYSTEM
4. ☐ EXPERIMENTAL SYSTEM

SEASONAL CONVERSION
to be completed by the LPI
5. ☐ SYSTEM COMPLIES WITH RULES
6. ☐ CONNECTED TO SANITARY SEWER
7. ☐ SYSTEM INSTALLED – P# _____
8. ☐ SYSTEM DESIGN RECORDED AND ATTACHED

IF REPLACEMENT SYSTEM:
YEAR FAILING SYSTEM INSTALLED N/A
THE FAILING SYSTEM IS:
1. ☐ BED 3. ☐ TRENCH
2. ☐ CHAMBER 4. ☐ OTHER: _____

SIZE OF PROPERTY: 2,500 Sq Ft. | ZONING: RESIDENTIAL A

THIS APPLICATION REQUIRES:
1. ☐ NO RULE VARIANCE
2. ☐ NEW SYSTEM VARIANCE Attach New System Variance Form
3. ☐ REPLACEMENT SYSTEM VARIANCE Attach Replacement System Variance Form
   a. ☐ Requiring Local Plumbing Inspector Approval
   b. ☐ Requires State and Local Plumbing Inspector Approval
4. ☒ MINIMUM LOT SIZE VARIANCE

DISPOSAL SYSTEM TO SERVE:
1. ☒ SINGLE FAMILY DWELLING
2. ☐ MODULAR OR MOBILE HOME
3. ☐ MULTIPLE FAMILY DWELLING
4. ☐ OTHER _____ SPECIFY

INSTALLATION IS:
COMPLETE SYSTEM
1. ☒ NON-ENGINEERED SYSTEM
2. ☐ PRIMITIVE SYSTEM (Includes Alternative Toilet)
3. ☐ ENGINEERED (+2000 gpd)

INDIVIDUALLY INSTALLED COMPONENTS:
4. ☐ TREATMENT TANK (ONLY)
5. ☐ HOLDING TANK _____ GAL
6. ☐ ALTERNATIVE TOILET (ONLY)
7. ☐ NON-ENGINEERED DISPOSAL AREA (ONLY)
8. ☐ ENGINEERED DISPOSAL AREA (ONLY)
9. ☒ SEPARATED LAUNDRY SYSTEM

TYPE OF WATER SUPPLY: PUBLIC WATER

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

TREATMENT TANK
1. ☒ SEPTIC: ☐ Regular ☒ Low Profile IF NECESSARY
2. ☐ AEROBIC
SIZE: 1000 GALS.

WATER CONSERVATION
1. ☐ NONE
2. ☒ LOW VOLUME TOILET RECOMMENDED
3. ☐ SEPARATED LAUNDRY SYSTEM
4. ☐ ALTERNATIVE TOILET
SPECIFY: _____

PUMPING
1. ☐ NOT REQUIRED
2. ☒ MAY BE REQUIRED (DEPENDING ON TREATMENT TANK LOCATION AND ELEVATION)
3. ☐ REQUIRED
DOSE: _____ GALS.

CRITERIA USED FOR DESIGN FLOW (BEDROOMS, SEATING, EMPLOYEES, WATER RECORDS, ETC.)
SINGLE FAMILY DWELLING (4 BEDROOMS)

SOIL CONDITIONS USED FOR DESIGN PURPOSES

PROFILE	CONDITION
3	C

DEPTH TO LIMITING FACTOR: 28.

SIZE RATINGS USED FOR DESIGN PURPOSES
1. ☐ SMALL
2. ☐ MEDIUM
3. ☒ MEDIUM-LARGE
4. ☐ LARGE
5. ☐ EXTRA LARGE

DISPOSAL AREA TYPE/SIZE
1. ☐ BED _____ Sq. Ft.
2. ☒ CHAMBER 600 Sq. Ft.
   ☒ REGULAR ☐ H-20
3. ☐ TRENCH _____ Linear Ft.
4. ☐ OTHER: 24 PLASTIC

DESIGN FLOW: 360 (GALLONS/DAY)

SITE EVALUATOR STATEMENT

On NOVEMBER 20, 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.

Albert Frick — Site Evaluator Signature

16.3 — SE#

12/10/93 — Date

(Local Plumbing Inspector's Signature)

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

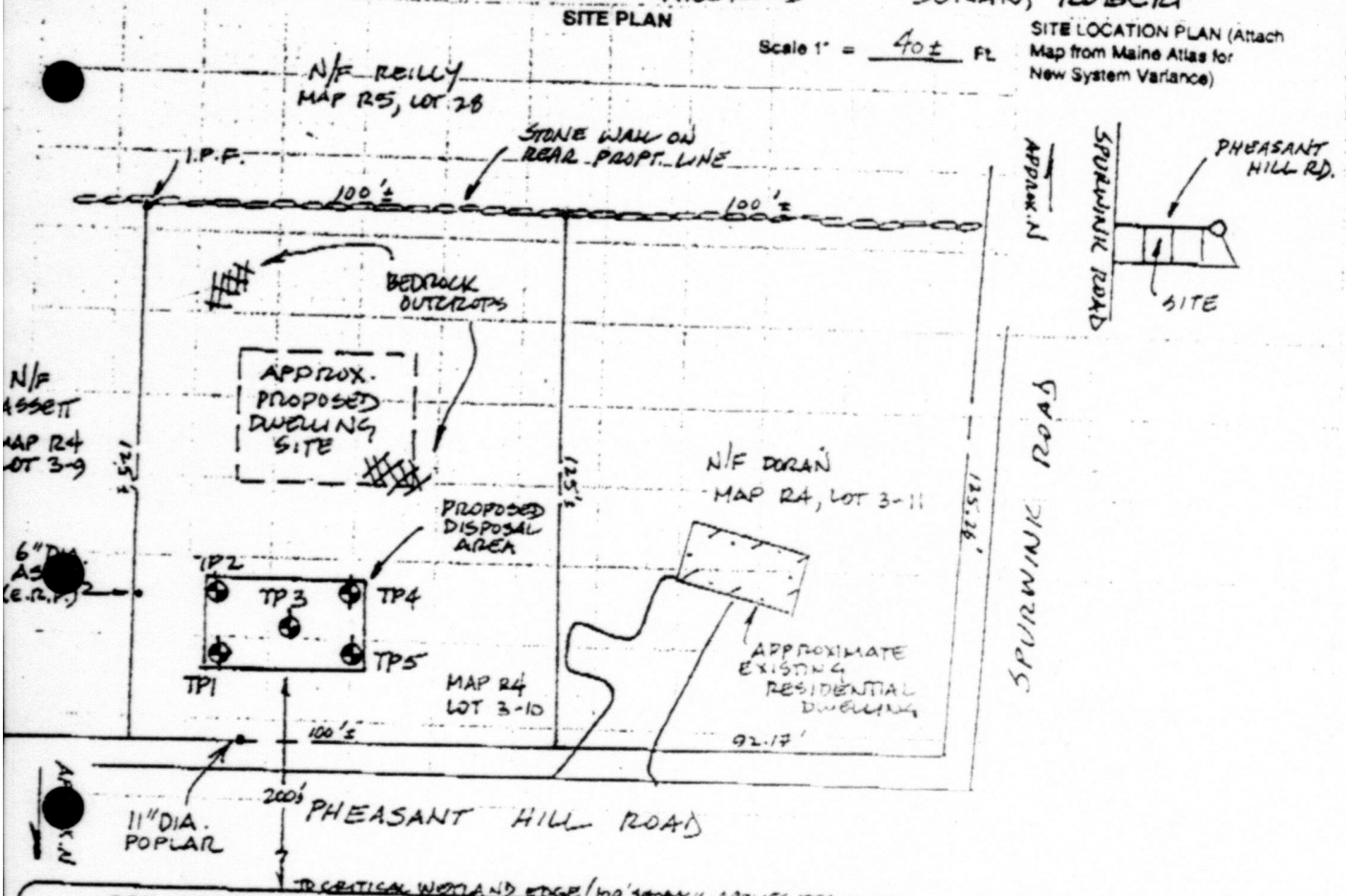
Department of Human Services
Division of Health Engineering

Town, City, Plantation: CAPE ELIZABETH
Street, Road, Subdivision: PHEASANT HILL ROAD
Owners Name: DORAN, ROBERT

SITE PLAN

Scale 1" = 40± FT.

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



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

Observation Hole TP1 ☒ Test Pit ☐ Boring

_____" Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (inches)

Texture	Consistency	Color	Mottling
SANDY LOAM		DARK BROWN	
CHANNERY SANDY LOAM	FRIABLE	DARK YELLOWISH BROWN	NONE
CHANNERY LOAMY SAND & SAND	SOMEWHAT FIRM	YELLOWISH BROWN	EVIDENT
LIMIT OF EXCAVATION			

Soil	Classification	Slope	Limiting Factor	
3 (Profile)	B (Condition)	___%	32"	☐ Ground Water ☒ Restrictive Layer ☐ Bedrock

Observation Hole TP2 ☒ Test Pit ☐ Boring

_____" Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (inches)

Texture	Consistency	Color	Mottling
SANDY LOAM			
LOAMY SAND & SAND	FRIABLE SOMEWHAT FIRM	DARK YELLOWISH BROWN & YEL. BROWN MIXED WITH OLIVE BROWN	NONE EVIDENT
LIMIT OF EXCAVATION			

Soil	Classification	Slope	Limiting Factor	
3 (Profile)	B (Condition)	___%	28"	☐ Ground Water ☒ Restrictive Layer ☐ Bedrock

Albert Frick
Site Evaluator Signature

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12/10/93

97677303 P.03
TO
DEC-09-1994 15:24 FROM

Albert Frick Associates, Inc.
Soil Scientists & Site Evaluators
95A County Road Gorham, Maine 04038
(207) 839-5563

Town, City, Plantation: CAPE ELIZABETH
Street, Road, Subdivision: PHEASANT HILL ROAD
Owners Name: DORAN, ROBERT

SOIL DESCRIPTION AND CLASSIFICATION

Observation Hole TP3 ☒ Test Pit ☐ Boring
_____" Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (inches)	Texture	Consistency	Color	Mottling
0–6	SANDY LOAM		DARK BROWN	
6–15	LOBBLY LOAMY SAND & SAND	FRIABLE	DARK YELLOWISH & YELLOWISH BROWN	
15–30				FEW, FAINT
30–50	GRAVELLY SANDY LOAM	FIRM	OLIVE	COMMON, DISTINCT
50	LIMIT OF EXCAVATION			

Soil	Classification	Slope	Limiting Factor	
3 (Profile)	C (Condition)	____ %	32	☒ Ground Water ☐ Restrictive Layer ☐ Bedrock

Observation Hole TP4 ☒ Test Pit ☐ Boring
_____" Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (inches)	Texture	Consistency	Color	Mottling
0–6	SANDY LOAM		DARK BROWN	
6–15	CHANNERY SANDY LOAM	FRIABLE	DARK YELLOWISH BROWN	
15–30				
30–50	GRAVELLY SANDY	FIRM	OLIVE	COMMON, DISTINCT
50	LIMIT OF EXCAVATION			

Soil	Classification	Slope	Limiting Factor	
3 (Profile)	C (Condition)	____ %	28	☒ Ground Water ☐ Restrictive Layer ☐ Bedrock

SOIL DESCRIPTION AND CLASSIFICATION

Observation Hole TP5 ☒ Test Pit ☐ Boring
_____" Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (inches)	Texture	Consistency	Color	Mottling
0–6	SANDY LOAM		DARK BROWN	
6–15	CHANNERY SANDY LOAM & LOAMY SAND	FRIABLE	DARK YELLOWISH BROWN	
15–30				
30–50	GRAVELLY SANDY LOAM	SOMEWHAT FIRM	OLIVE BROWN	FEW, FAINT
50	LIMIT OF EXCAVATION			

Soil	Classification	Slope	Limiting Factor	
3 (Profile)	C (Condition)	____ %	32	☒ Ground Water ☐ 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

Soil	Classification	Slope	Limiting Factor	
(Profile)	(Condition)	____ %		☐ Ground Water ☐ Restrictive Layer ☐ Bedrock

Albert Frick — Site Evaluator
163
12/10/93

12-09-1994 15:35 FROM 9767730 P.04
TO

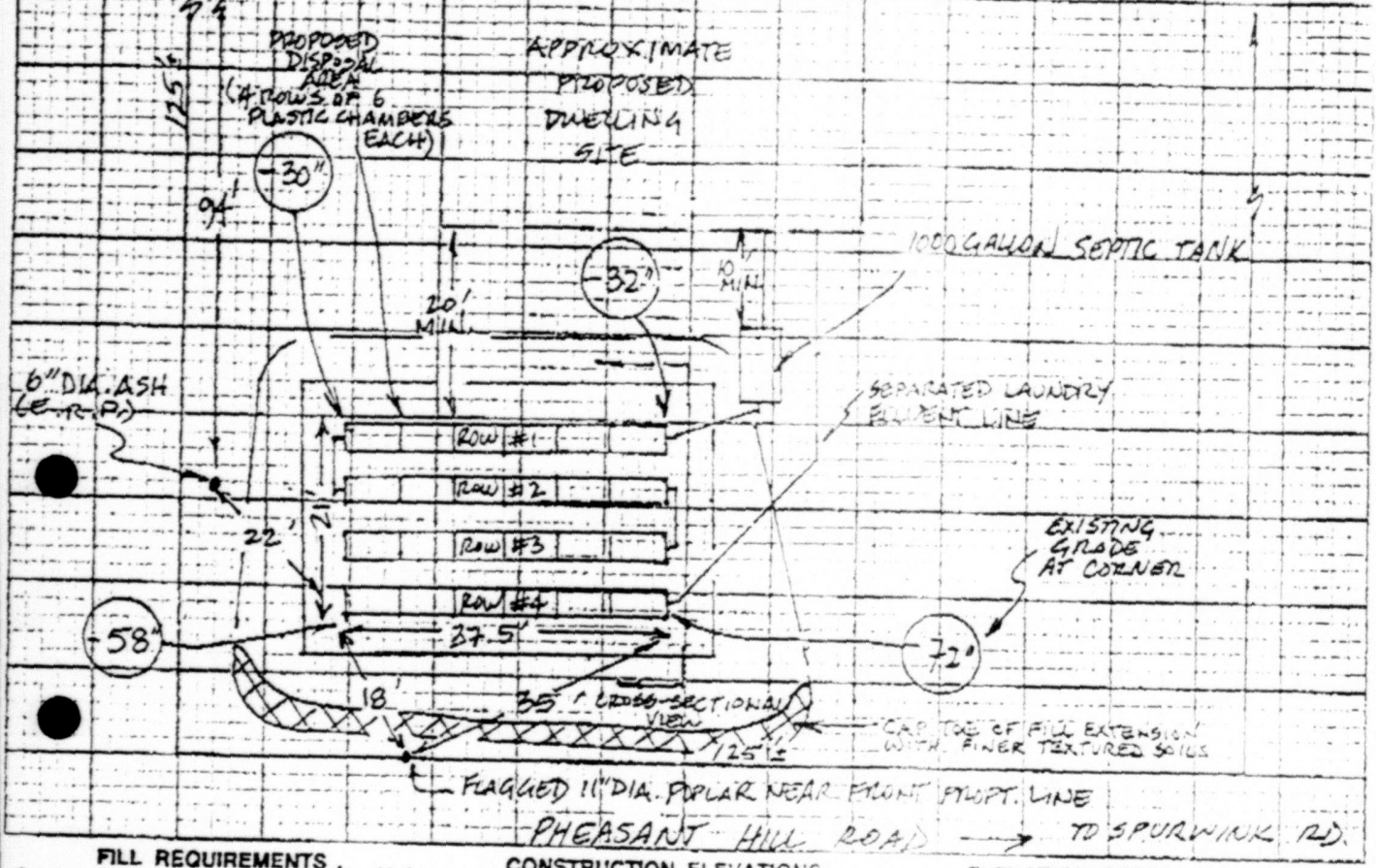
SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering

Town, City, Plantation: CAPE ELIZABETH
Street, Road, Subdivision: PHEASANT HILL RD. LOT 3-10 MAP 24
Owners Name: DORAN, ROBERT

SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale 1" = 20 Ft.



FILL REQUIREMENTS

Depth of Fill (Upslope): 10-12"
Depth of Fill (Downslope): 14-28"

CONSTRUCTION ELEVATIONS

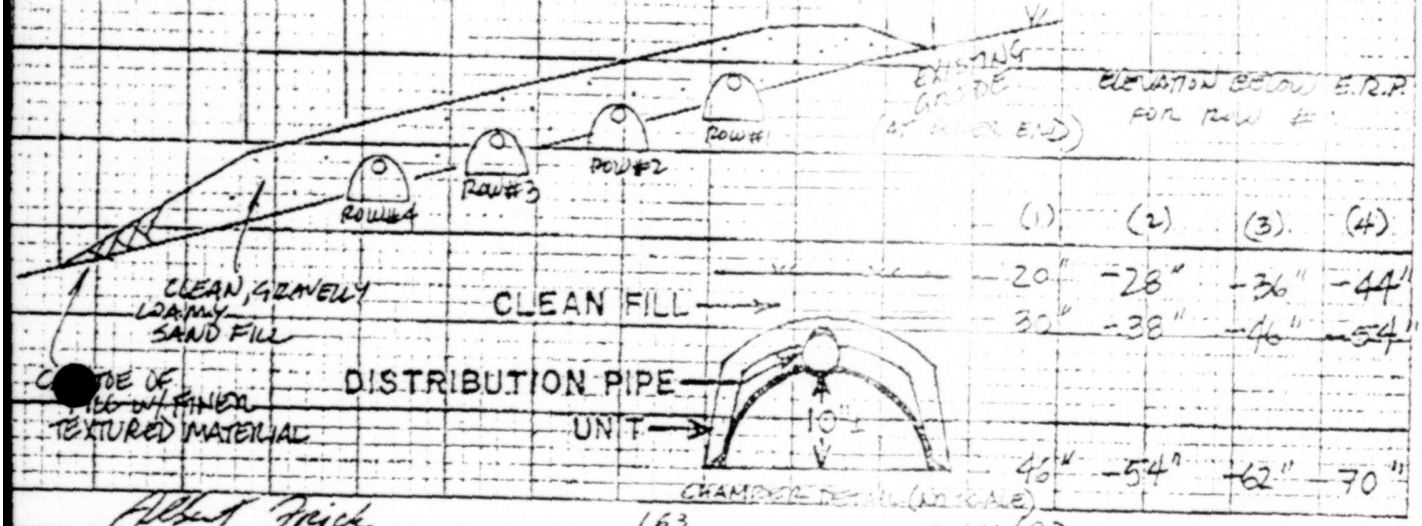
Reference Elevation is
Bottom of Disposal Area
Top of Distribution Lines or Chambers

ELEVATION REFERENCE POINT LOCATION & DESCRIPTION

NAIL IN 6" DIA. ASH NEAR SIDE PROPT. LINE, 17" ABOVE BA

DISPOSAL AREA CROSS SECTION

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



(1)	(2)	(3)	(4)
20"	-28"	-36"	-44"
30"	-38"	-46"	-54"
46"	-54"	-62"	-70"

Albert Frick
163
12/10/93

Albert Frick Associates, Inc.
Soil Scientists & Site Evaluators
95A County Road Cornham, Maine 04038
(207) 839-5563 FAX (207) 839-5564

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

CAPE ELIZABETH — PHEASANT HILL RD. MAP 12 LOT 3-10 — ROBERT DORAN
TOWN — LOCATION — 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 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.

MAR-09-1994 15:37 FROM TO 97677303 P.06