

10/19/01 New plan submitted, Top
bed installed measurements per
new plan correct, correct # of
Eljen Unit properly install. OK to
backfill (medium sand). Property owner
had new plan for my review & inspection.
Spoke with Matt Logan by phone &
reviewed new plan with onsite
installation. Top bed installed correctly.

DC

10-25-01 checked middle & lower beds
OK to close Eljen system check
V-BX & piping overlaps & coated
units properly installed
AMW

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering

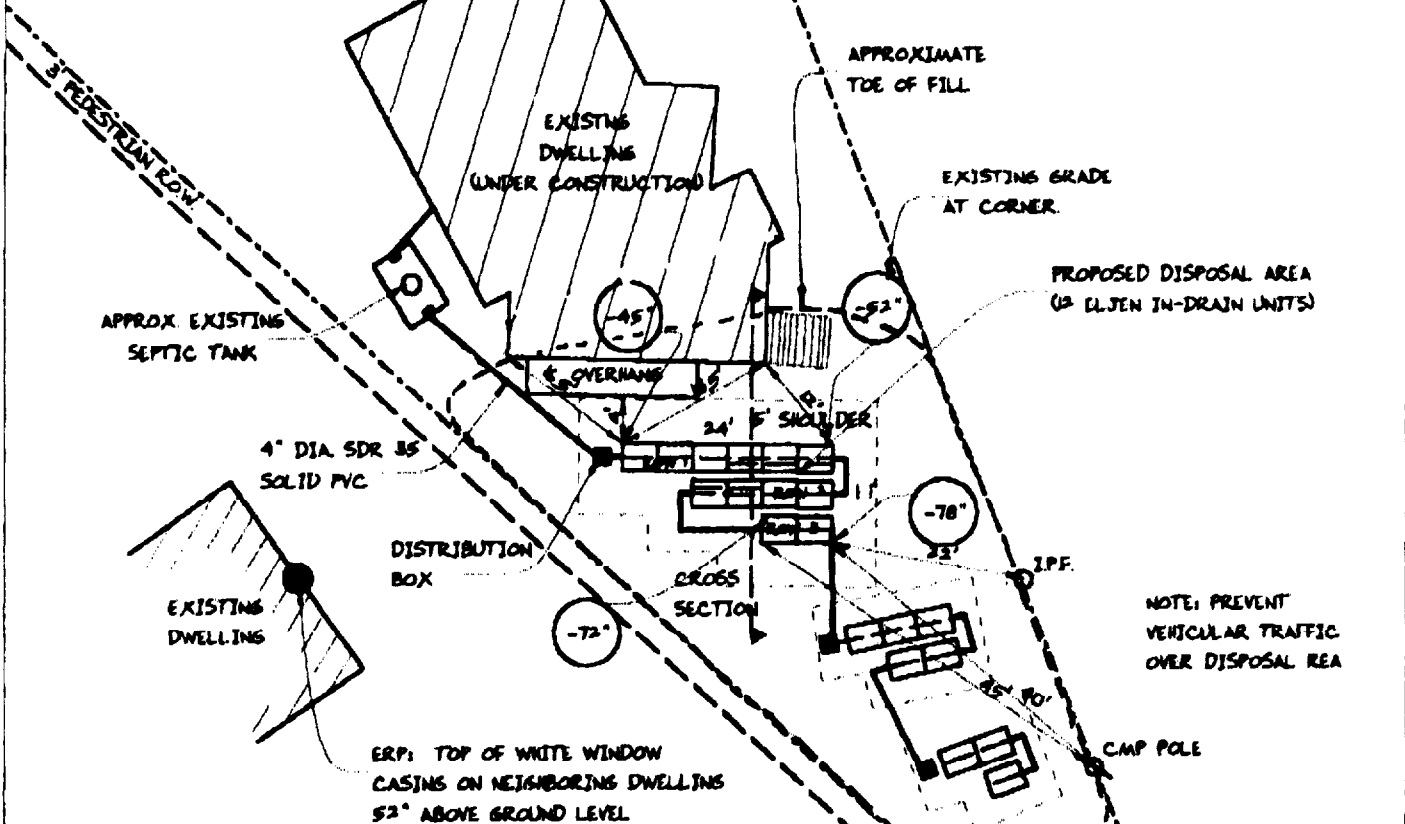
Town/City/Plantation
PORTLAND, PEAKS ISLAND

Street/Road/Subdivision
EVERGREEN AVENUE

Owner's Name
GUS FILIPOS

SUBSURFACE WASTEWATER DISPOSAL PLAN

SCALE 1" = 20' FT.



FILL REQUIREMENTS

Depth of Fill (Shoulder) : 35" - 42"
Depth of Fill (Downslope) : 44" - 50"

CONSTRUCTION ELEVATIONS

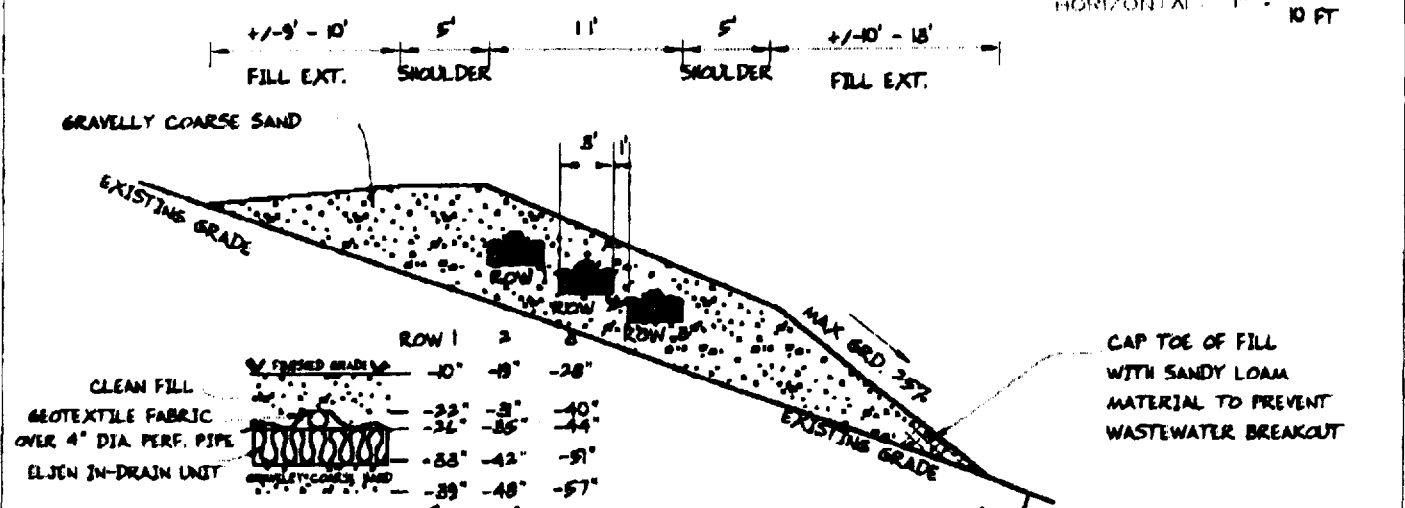
± 35" - 42" Finished Grade Elevation
± 44" - 50" Top of Distribution Pipe or Proprietary Device
Bottom of Disposal Area

ELEVATION REFERENCE POINT

Location & Description: TOP OF WHITE WINDOW CASINGS ON NEIGHBORING DWELLING
± 52" ABOVE GRADE
Reference Elevation: 00"

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

DISPOSAL AREA CROSS SECTION



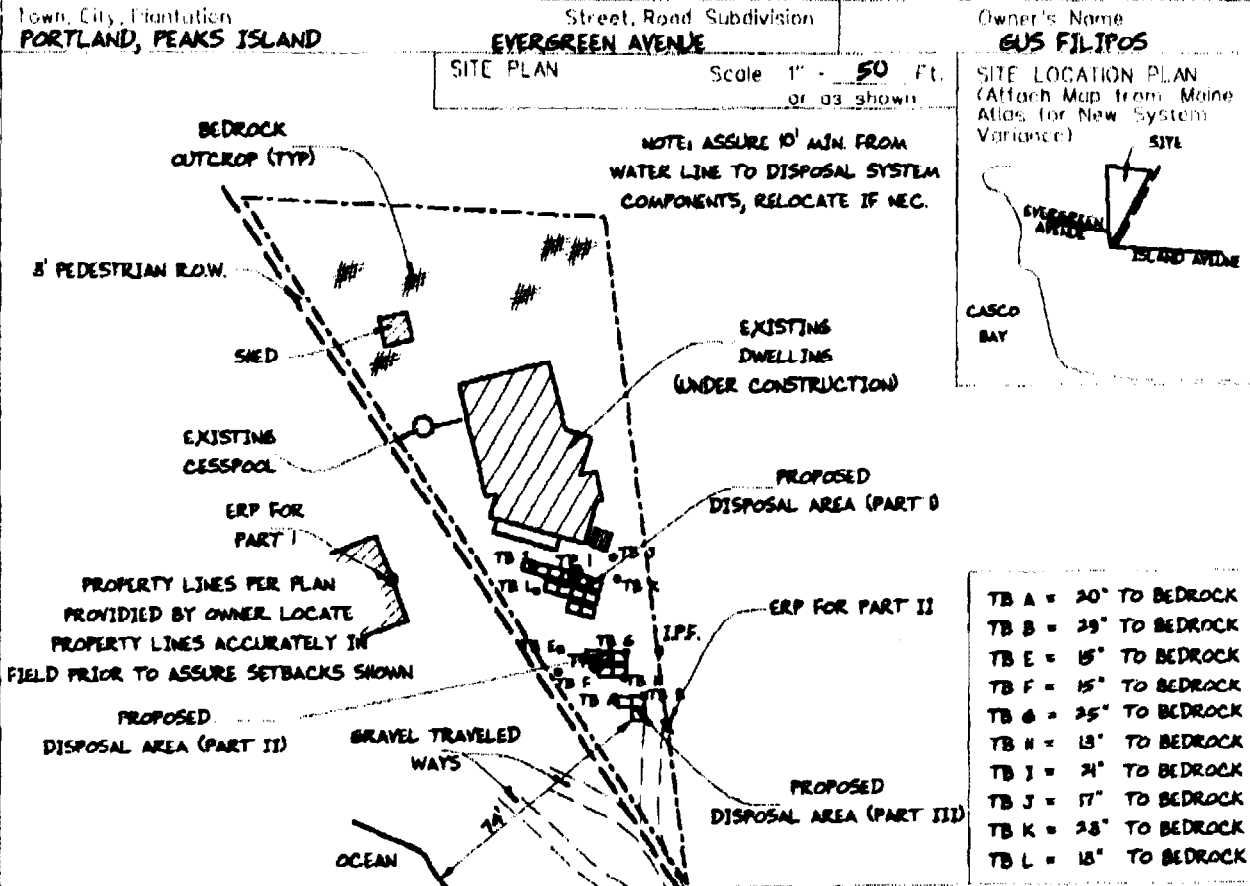
Albert Frick
The Engineer's Signature

K.S.
SE

10/5/2001
Date

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering



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

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

DEPTH BELOW MINERAL SOIL SURFACE (feet)	Texture	Consistency	Color	Mottling
0			DARK BROWN	
0-10	SANDY LOAM	FRIABLE	DARK BROWN	
10-15			YELLOWISH BROWN	
15-20			BEDROCK	
20-60				

Soil Classification: **2** Profile, **NC** Condition
 Slope: **7**
 Limiting Factor: **15**

Ground Water
 Restrictive Layer
 Bedrock
 Pit Depth

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

DEPTH BELOW MINERAL SOIL SURFACE (feet)	Texture	Consistency	Color	Mottling
0			DARK BROWN	
0-10	GRAVELLY SANDY LOAM	FRIABLE	DARK BROWN	
10-15			YELLOWISH BROWN	
15-20			BEDROCK	
20-50				

Soil Classification: **2** Profile, **A** Condition
 Slope: **7**
 Limiting Factor: **19**

Ground Water
 Restrictive Layer
 Bedrock
 Pit Depth

Albert Frick
 Evaluator Signature

63
 SE

10/5/2001
 Date



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

Portland Peaks Is.
 TOWN

Evergreen Ave.
 LOCATION

WHITTEN ARCHITECTS
 (Filipos)
 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.

ATTACHMENT TO SUBSURFACE WASTEWATER DISPOSAL APPLICATION

(WHITEN ARCHITECTS)

Portland, Peaks Is. Evergreen Ave. Filippos
 TOWN LOCATION APPLICANT'S NAME

- 6) The septic tank should be pumped within two years of installation and subsequently as recommended by the pump service, but in no event should the septic tank be pumped less often than once every three years.
- 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 minimum setbacks between a well and septic system serving a single family residence is 100-300 feet, unless the local municipality has a more stringent requirement. A well installed by an abutter within the minimum setback distances prior to the issuance of a permit for the proposed disposal system may void this design.
- 9) When a gravity system is proposed: **BEFORE CONSTRUCTION/INSTALLATION 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 slope requirements. In gravity systems, the invert of the septic tank 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 coarse sand which contains no more than 5% fines (silt and clay).
- 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
 254 County Road - Gosport, Maine 00904
 (207) 539-5564

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION		Main Department of Public Health 6011 Bldg. 2011 Portland, ME 04103
PROPERTY LOCATION		>> Caution: Permit Required - Attach in Space Below <<
City, Town, or Plantation	PORTLAND, PEAKS ISLAND	
Street or Road	EVERGREEN AVENUE	
Subdivision, Lot #		
OWNER/APPLICANT INFORMATION		
Name (Last, First, MI)	GUS	Owner
Mailing Address of		
<input type="checkbox"/> Owner <input type="checkbox"/> Applicant		
Daytime Tel #		
Municipal Tax Map # 22		Lot # F-15, 25
Owner or Applicant Statement		Caution: Inspections Required
I state 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.		I have inspected the installation authorized above and found it to be in compliance with the Subsurface Wastewater Disposal Rules Application.
Signature of Owner/Applicant	Date	Local Plumbing Inspector Signature
		Date

PERMIT INFORMATION

<p>TYPE OF APPLICATION</p> <ol style="list-style-type: none"> <input type="checkbox"/> First Time System <input checked="" type="checkbox"/> Replacement System Type Replaced: _____ Year Installed: _____ <input type="checkbox"/> Expanded System a. <input type="checkbox"/> One-time exempted b. <input type="checkbox"/> Non-exempted <input type="checkbox"/> Experimental System <input type="checkbox"/> Seasonal Conversion <p>SIZE OF PROPERTY</p> <p><input type="checkbox"/> sq. ft. <input type="checkbox"/> acres</p> <p>SHORELAND ZONING</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>	<p>THIS APPLICATION REQUIRES</p> <ol style="list-style-type: none"> <input type="checkbox"/> No Rule Variance <input type="checkbox"/> First Time System Variance a. <input type="checkbox"/> Local Plumbing Inspector Approval b. <input type="checkbox"/> State & Local Plumbing Inspector Approval <input type="checkbox"/> Replacement System Variance a. <input checked="" type="checkbox"/> Local Plumbing Inspector Approval b. <input type="checkbox"/> State & Local Plumbing Inspector Approval <input type="checkbox"/> Minimum Lot Size Variance <input type="checkbox"/> Seasonal Conversion Approval <p>DISPOSAL SYSTEM TO SERVE</p> <ol style="list-style-type: none"> <input checked="" type="checkbox"/> Single Family Dwelling Unit, No. of Bedrooms: <u>3</u> <input type="checkbox"/> Multiple Family Dwelling, No. of Units: _____ <input type="checkbox"/> Other: _____ SPECIFY 	<p>DISPOSAL SYSTEM COMPONENT(S)</p> <ol style="list-style-type: none"> <input checked="" type="checkbox"/> Complete Non-Engineered System <input type="checkbox"/> Primitive System (graywater & all toilet) <input type="checkbox"/> Alternative Toilet, specify: _____ <input type="checkbox"/> Non-Engineered Treatment Tank (only) <input type="checkbox"/> Holding Tank, _____ Gallons <input type="checkbox"/> Non-Engineered Disposal Field (only) <input type="checkbox"/> Separated Laundry System <input type="checkbox"/> Complete Engineered System (2000 gpd) <input type="checkbox"/> Engineered Treatment Tank (only) <input type="checkbox"/> Engineered Disposal Field (only) <input type="checkbox"/> Pre-treatment, specify: _____ <input type="checkbox"/> Miscellaneous components <p>TYPE OF WATER SUPPLY</p> <ol style="list-style-type: none"> <input type="checkbox"/> Drilled Well <input type="checkbox"/> Dig Well <input type="checkbox"/> Private <input checked="" type="checkbox"/> Public <input type="checkbox"/> Other: _____
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DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

<p>EXISTING TREATMENT TANK</p> <ol style="list-style-type: none"> <input checked="" type="checkbox"/> Concrete a. <input checked="" type="checkbox"/> Regular b. <input type="checkbox"/> Low Profile <input type="checkbox"/> Plastic <input type="checkbox"/> Other <p>CAPACITY: <u>1000</u> gallons</p>	<p>DISPOSAL FIELD TYPE & SIZE</p> <ol style="list-style-type: none"> <input type="checkbox"/> Stone Bed <input type="checkbox"/> Stone Trench <input checked="" type="checkbox"/> Proprietary Device a. <input type="checkbox"/> Cluster array c. <input type="checkbox"/> linear b. <input checked="" type="checkbox"/> Regular d. <input type="checkbox"/> H-20 loaded <input type="checkbox"/> Other <p>SIZE: <u>360</u> sq. ft. <input type="checkbox"/> lin. ft.</p> <p>20 ELJEN IN-DRAIN UNITS</p>	<p>GARBAGE DISPOSAL UNIT</p> <ol style="list-style-type: none"> <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes >> Specify one below: a. <input type="checkbox"/> Multi-compartment tank b. <input type="checkbox"/> Tank in series c. <input type="checkbox"/> Increase in tank capacity d. <input type="checkbox"/> Filter on tank outlet <input type="checkbox"/> Maybe 	<p>DESIGN FLOW</p> <p><u>270</u> gallons per day BASED ON:</p> <ol style="list-style-type: none"> <input checked="" type="checkbox"/> Table 501.1 (dwelling units) <input type="checkbox"/> Table 501.2 (other facilities) <p>SHOW CALCULATIONS for other facilities</p> <p>3 BEDROOMS AT 90 GALLONS PER DAY EACH</p> <p><input type="checkbox"/> Section 503.0 (meter readings) ATTACH WATER METER DATA</p>
<p>SOIL DATA & DESIGN CLASS</p> <p>PROFILE: <u>2</u> / <u>A/C</u> / <u>1</u></p> <p>DESIGN: <u>1</u></p> <p>AT Observation Hole: <u>TB H/L</u></p> <p>Depth: <u>13</u> Elevation: <u>45</u></p> <p>OF MOST LIMITING SOIL FACTOR</p>	<p>DISPOSAL FIELD SIZING</p> <ol style="list-style-type: none"> <input type="checkbox"/> Small - 2.0 sq.ft./gpd <input checked="" type="checkbox"/> Medium - 2.6 sq.ft./gpd <input type="checkbox"/> Medium Large - 3.3 sq.ft./gpd <input type="checkbox"/> Large - 4.1 sq.ft./gpd <input type="checkbox"/> Extra Large - 5.0 sq.ft./gpd 	<p>PUMPING</p> <ol style="list-style-type: none"> <input type="checkbox"/> Not required <input checked="" type="checkbox"/> May be required <input type="checkbox"/> Required >> Specify only for engineered or experimental systems: <p>DOSE: _____ Gallons</p>	

SITE EVALUATOR STATEMENT

I certify that on 10/2/2001 (date) 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 (10-144A-CMR 241).

Albert Frick
Site Evaluator Signature

KS
SC

10/5/2001
Date