

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Department of Human Services
 Division of Health Engineering, Station 10, SHS
 (207) 287-5872 FAX (207) 287-4172

Town, City, Plantation
PORTLAND

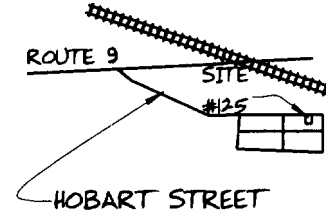
Street, Road Subdivision
125 HOBART STREET

Owner's Name
ANN WISSLEY

SITE PLAN

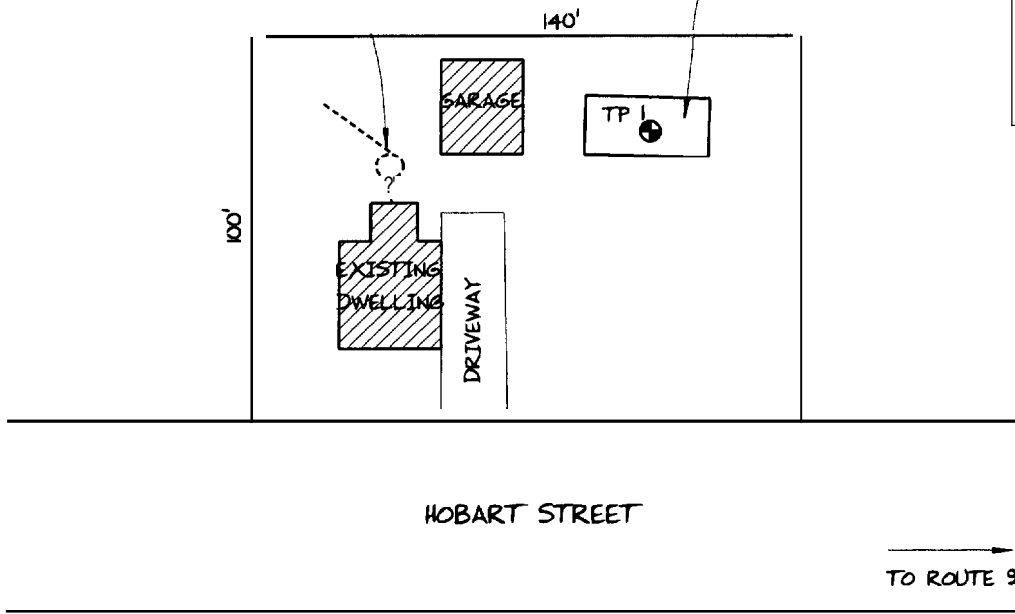
Scale 1' = 50 Ft
 or as shown

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



APPROXIMATE EXISTING DISPOSAL AREA

PROPOSED DISPOSAL AREA



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

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

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

0	Texture	Consistency	Color	Mottling
0-10	VERY FINE SANDY LOAM	FRIABLE	DARK BROWN	
10-20			PALE YELLOW BROWN	FEW, FAINT
20-30	VERY FINE SANDY LOAM & SILTS	FIRM	OLIVE BROWN	COMMON, DISTINCT
30-40				
40-50				

0	Texture	Consistency	Color	Mottling
0-10				
10-20				
20-30				
30-40				
40-50				

Soil Classification: 8 Profile, D Condition
 Slope: %
 Limiting Factor: 13 -
 Ground Water
 Restrictive Layer
 Bedrock
 Pit Depth

Soil Classification: Profile, Condition
 Slope: %
 Limiting Factor: -
 Ground Water
 Restrictive Layer
 Bedrock
 Pit Depth

Albert Frick
 Site Evaluator Signature

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 (207) 287-5672 FAX (207) 287-4172

Town, City, Plantation

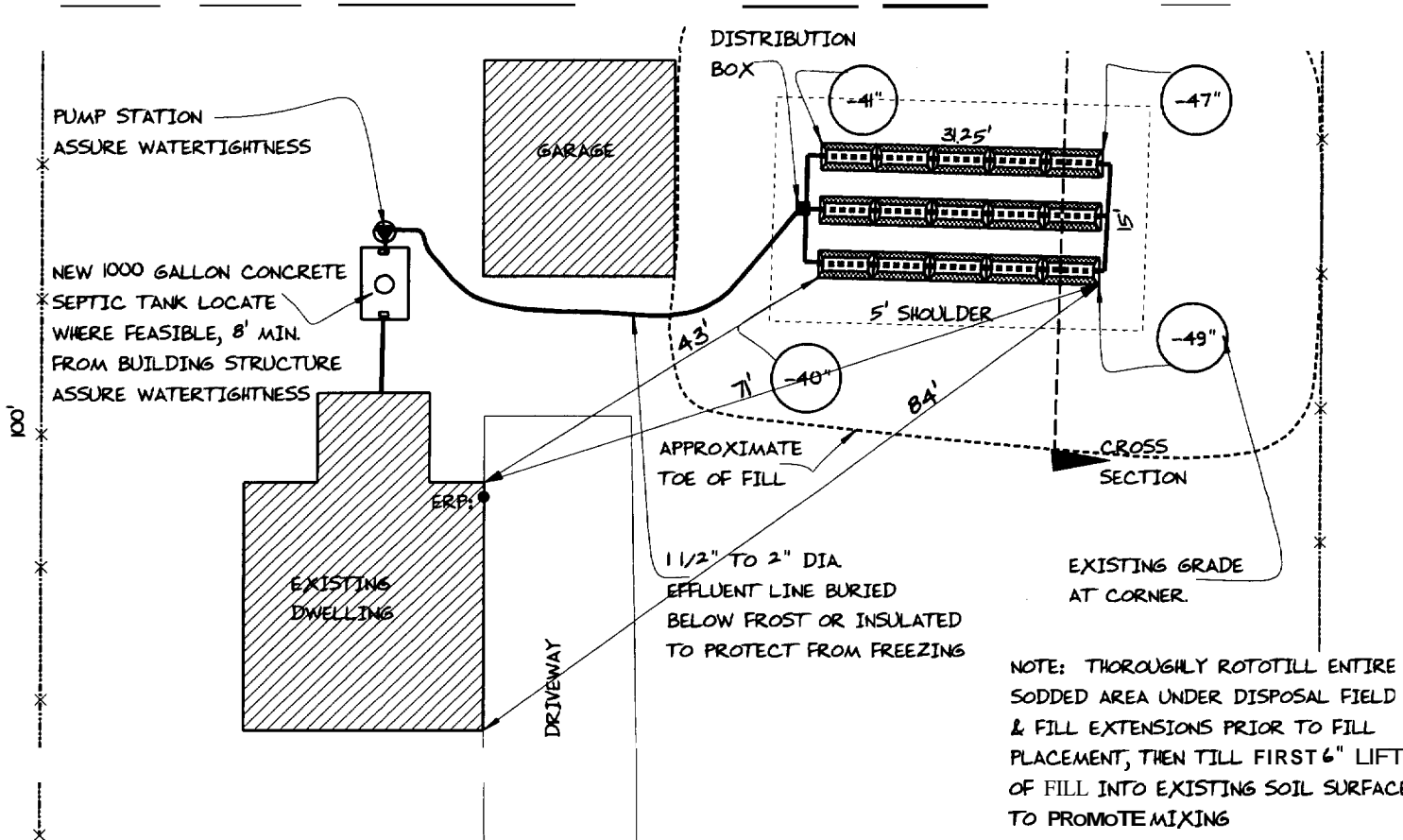
Street, Road, Subdivision

Owner's Name

PORTLAND

125 HOBART STREET

ANN WISSLEY



FILL REQUIREMENTS

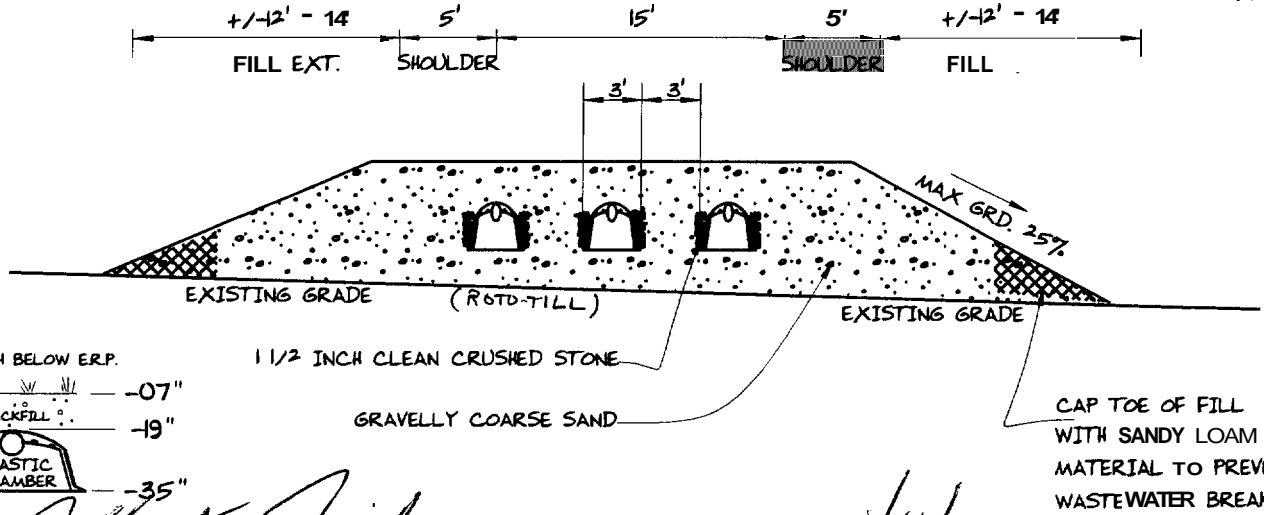
Depth of Fill (Upslope) = 34" - 40"
 Depth of Fill (Downslope) = 33" - 42"
 DEPTHS AT CROSS-SECTION (shown below)

CONSTRUCTION ELEVATIONS

34" - 40" Finished Grade Elevation
 33" - 42" Top of Distribution Pipe or Proprietary Device
 Bottom of Disposal Area

ELEVATION REFERENCE POINT
 Location & Description: BOTTOM OF SIDING 33" ABOVE
 Reference Elevation is: 0.0 or -----
 SCALE:
 VERTICAL: 1" = 5 FT
 HORIZONTAL: 1" = 10 FT

DISPOSAL AREA CROSS SECTION



Albert Frick
 Site Evaluator Signature

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11/10/2003
 Date

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 HHE-200 Rev. 10/02



Albert Frick Associates, Inc.

Soil Scientists & Site Evaluators

95A County Road Gorham, Maine 04098
(207) 899-5563

PORTLAND

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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 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

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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 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.) divided by the # 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 requirement. 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 of 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



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