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197-H-001

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SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

State Department of Human Services
Office of Waste Engineering, Building 35
601-267-4473 Fax 601-267-4473

PROPERTY LOCATION		>> Caution: Permit Required - Attach in Space Below <<	
City, Town, or Plantation	PORTLAND	PORTLAND Date Permit Issued: <u>10/10/00</u> Local Plumbing Inspector Signature: <u>[Signature]</u>	7468 TOWN COPY \$ <u>120</u> FEE Double Fee Charged L.P.I. # <u>01241</u>
Street or Road	93 HOBART ROAD		
Subdivision, Lot *			
OWNER/APPLICANT INFORMATION			
Name (last, first, MI)	BARNARD CHARLES	Owner	Applicant
Mailing Address of	93 HOBART ROAD		
	PORTLAND, ME 04102		
Daytime Tel. *	879-2685	Municipal Tax Map *	Lot *
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.	
<u>Charles K. Barnard</u> 10-9-00			
Signature of Owner/Applicant		Local Plumbing Inspector Signature	
Date		(1st) Date Approved	
		(2nd) Date Approved	

PERMIT INFORMATION

TYPE OF APPLICATION	THIS APPLICATION REQUIRES	DISPOSAL SYSTEM COMPONENT(S)
1. <input type="checkbox"/> First Time System 2. <input checked="" type="checkbox"/> Replacement System Type Replaced: _____ Year Installed: _____ 3. <input type="checkbox"/> Expanded System a. <input type="checkbox"/> One-time exempted b. <input type="checkbox"/> Non exempted 4. <input type="checkbox"/> Experimental System 5. <input type="checkbox"/> Seasonal Conversion	1. <input type="checkbox"/> No Rule Variance 2. <input type="checkbox"/> First Time System Variance a. <input type="checkbox"/> Local Plumbing Inspector Approval b. <input type="checkbox"/> State & Local Plumbing Inspector Approval 3. <input checked="" type="checkbox"/> Replacement System Variance a. <input checked="" type="checkbox"/> Local Plumbing Inspector Approval b. <input type="checkbox"/> State & Local Plumbing Inspector Approval 4. <input type="checkbox"/> Minimum Lot Size Variance 5. <input type="checkbox"/> Seasonal Conversion Approval	1. <input checked="" type="checkbox"/> Complete Non-Engineered System 2. <input type="checkbox"/> Primitive System (graywater & all toilet) 3. <input type="checkbox"/> Alternative Toilet, specify: _____ 4. <input type="checkbox"/> Non-Engineered Treatment Tank (only) 5. <input type="checkbox"/> Holding Tank _____ Gallons 6. <input type="checkbox"/> Non-Engineered Disposal Field (only) 7. <input type="checkbox"/> Separated Laundry System 8. <input type="checkbox"/> Complete Engineered System (2000 gpd- 9. <input type="checkbox"/> Engineered Treatment Tank (only) 10. <input type="checkbox"/> Engineered Disposal field (only) 11. <input type="checkbox"/> Pre-treatment, specify: _____ 12. <input type="checkbox"/> Miscellaneous components
SIZE OF PROPERTY	DISPOSAL SYSTEM TO SERVE	TYPE OF WATER SUPPLY
40,000 <input checked="" type="checkbox"/> sq. ft. <input type="checkbox"/> acres	1. <input checked="" type="checkbox"/> Single Family Dwelling, No. of Bedrooms: <u>4</u> 2. <input type="checkbox"/> Multiple Family Dwelling, No. of Units: _____ 3. <input type="checkbox"/> Other: _____ SPECIFY _____	1. <input type="checkbox"/> Drilled Well 2. <input type="checkbox"/> Dug Well 3. <input type="checkbox"/> Private 4. <input checked="" type="checkbox"/> Public 5. <input type="checkbox"/> Other: _____
SHORELAND ZONING		
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

TREATMENT TANK	DISPOSAL FIELD TYPE & SIZE	GARBAGE DISPOSAL UNIT	DESIGN FLOW
1. <input checked="" type="checkbox"/> Concrete a. <input checked="" type="checkbox"/> Regular b. <input type="checkbox"/> Low Profile 2. <input type="checkbox"/> Plastic 3. <input type="checkbox"/> Other: _____ CAPACITY <u>1000</u> gallons	1. <input type="checkbox"/> Stone Bed 2. Stone Trench 3. <input checked="" type="checkbox"/> Proprietary Device a. <input type="checkbox"/> Cluster array c. <input checked="" type="checkbox"/> Linear b. <input checked="" type="checkbox"/> Regular d. <input type="checkbox"/> H-20 loaded 4. <input type="checkbox"/> Other: _____ SIZE <u>2000</u> <input checked="" type="checkbox"/> sq. ft. <input type="checkbox"/> lin. ft. <u>40 PLASTIC CHAMBERS</u>	1. <input checked="" type="checkbox"/> No 3. <input type="checkbox"/> Maybe 2. <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 checked="" type="checkbox"/> Filter on tank outlet (RECOMMENDED)	360 gallons per day BASED ON: 1. <input checked="" type="checkbox"/> Table 501.1 (dwelling units) 2. <input type="checkbox"/> Table 501.2 (other facilities) SHOW CALCULATIONS - for other facilities - <u>4 BEDROOMS AT 90 GALLONS PER DAY EACH = 360</u>
SOIL DATA & DESIGN CLASS	DISPOSAL FIELD SIZING	PUMPING	
PROFILE <u>9</u> / CONDITION <u>D</u> / DESIGN <u>3</u> AT Observation Hole - <u>TP 1</u> Depth <u>9</u> " Elevation <u>-39</u> " OF MOST LIMITING SOIL FACTOR	1. <input type="checkbox"/> Small - 2.0 sq.ft./gpd 2. <input type="checkbox"/> Medium - 2.6 sq.ft./gpd 3. <input type="checkbox"/> Medium-Large - 3.3 sq.ft./gpd 4. <input type="checkbox"/> Large - 4.1 sq.ft./gpd 5. <input checked="" type="checkbox"/> Extra-Large - 5.0 sq.ft./gpd	1. <input type="checkbox"/> Not required 2. <input type="checkbox"/> May be required 3. <input checked="" type="checkbox"/> Required >> Specify only for engineered or experimental systems: DOSE: _____ Gallons	

SITE EVALUATOR STATEMENT

I certify that on 8/15/00 (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 163 9/5/2000
 Site Evaluator Signature SE * Date

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering

Town, City, Plantation: **PORTLAND** Street, Road Subdivision: **93 HOBART ROAD** Owner's Name: **CHARLES BARNARD**

NOTE: SITE PLAN PER BRUCE BOWEN PLAN

SITE PLAN Scale: 1" = 60' +/- Ft. or as shown

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

NOTE: VERIFY REAR PROPERTY LINE PRIOR TO INSTALLATION OF DISPOSAL AREA TO ASSURE PROPER SETBACKS

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	SILT		DARK	
	LOAM		BROWN	
10		FRIABLE		FEW, DISTINCT
	VERY FINE		OLIVE	
	SANDY LOAM		BROWN	COMMON, DISTINCT
20	& SILT	FIRM		
24	LIMIT OF EXCAVATION			
30				
40				
50				

Soil Classification: **9 D** (Profile Condition)
Slope: **X**
Limiting Factor: **9**
 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	SILT		DARK	
	LOAM		BROWN	
10		FRIABLE		FEW, DISTINCT
	VERY FINE		OLIVE	
	SANDY LOAM		BROWN	COMMON, DISTINCT
20	& SILT	FIRM		
24	LIMIT OF EXCAVATION			
30				
40				
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Albert Frick
Site Evaluator Signature

163
SE

9/5/2000
Date

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering

Town, City, Plantation

Street, Road, Subdivision

Owner's Name

PORTLAND

93 HOBART ROAD

CHARLES BARNARD

NOTE: THOROUGHLY ROTOTILL ENTIRE SODDED AREA UNDER DISPOSAL FIELD & FILL EXTENSIONS PRIOR TO FILL PLACEMENT, THEN FILL FIRST 6" LIFT OF FILL INTO EXISTING SOIL SURFACE TO PROMOTE MIXING

REMOVE ALL PORTIONS OF UNCONTROLLED FILL TO A MINIMUM DEPTH OF 2' UNDERNEATH AND 5' ALONGSIDE DISPOSAL AREA AND REPLACE WITH CLEAN GRAVELLY COARSE SAND FILL

NEW 1000 GALLON SEPTIC TANK LOCATE WHERE FEASIBLE 8' MIN FROM DWELLINGS

SUBSURFACE WASTEWATER DISPOSAL PLAN

SCALE: 1" = 30' FT

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

EXISTING GRADE AT CORNER

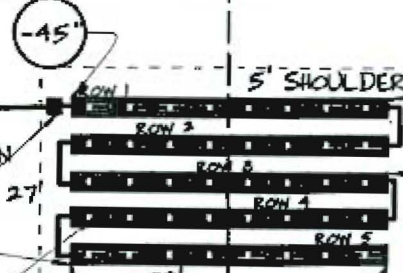
CROSS SECTION

PROPERTY LINE (FENCED) AS SHOWN CUT BY DRAIN VERIFY PRIOR TO INSTALLATION

PUMP STATION

DISTRIBUTION BOX

5' SHOULDER



EXISTING DWELLING

PROPOSED DISPOSAL AREA (5 ROWS OF 8 PLASTIC CHAMBERS)

ERP: 27" DIA WILLOW

APPROXIMATE TOE OF FILL

FILL REQUIREMENTS

Depth of Fill (Upllope) = 37" - 43"
Depth of Fill (Downslope) = 44" - 51"

CONSTRUCTION ELEVATIONS

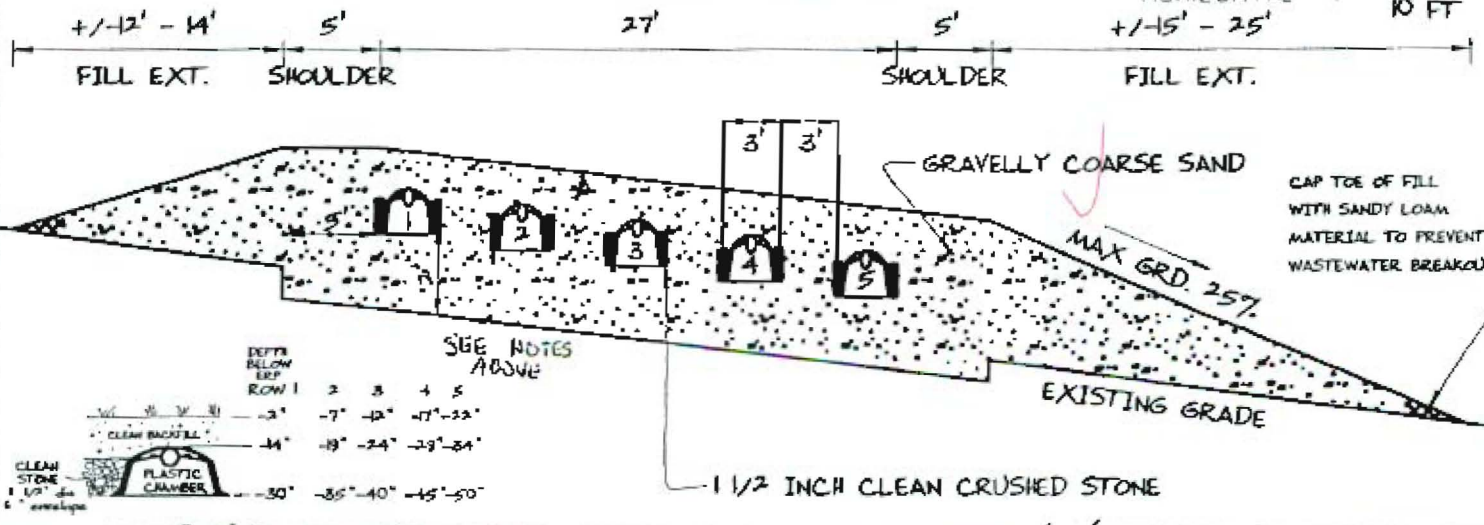
Finished Grade Elevation
Top of Distribution Pipe or Proprietary Device
Bottom of Disposal Area

ELEVATION REFERENCE POINT

SEE Location & Description NAIL 96' ABOVE
DETAIL BASE OF 27" DIA WILLOW
BELOW Reference Elevation 00"

DISPOSAL AREA CROSS SECTION

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

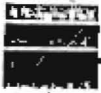


CAP TOE OF FILL WITH SANDY LOAM MATERIAL TO PREVENT WASTEWATER BREAKOUT

Albert Frick
Site Evaluator Signature

163
SE

9/5/2000
Date



Portland
TOWN

93 Hobart Road
LOCATION

Charles Barnard
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.

