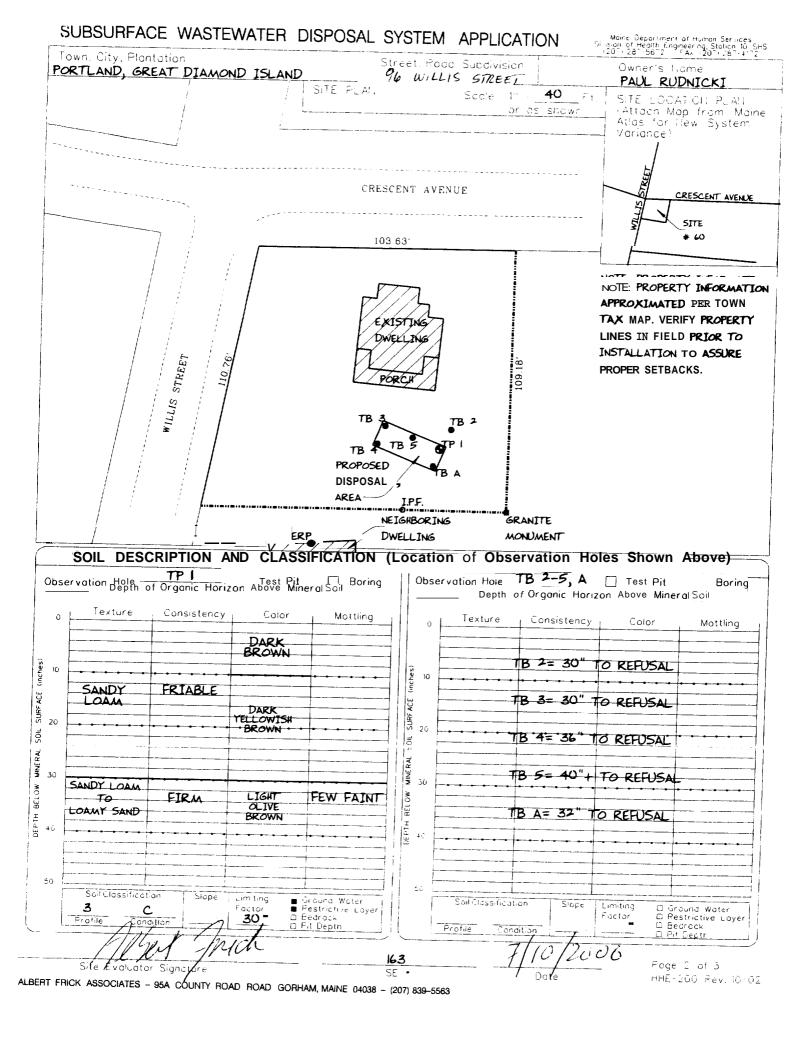
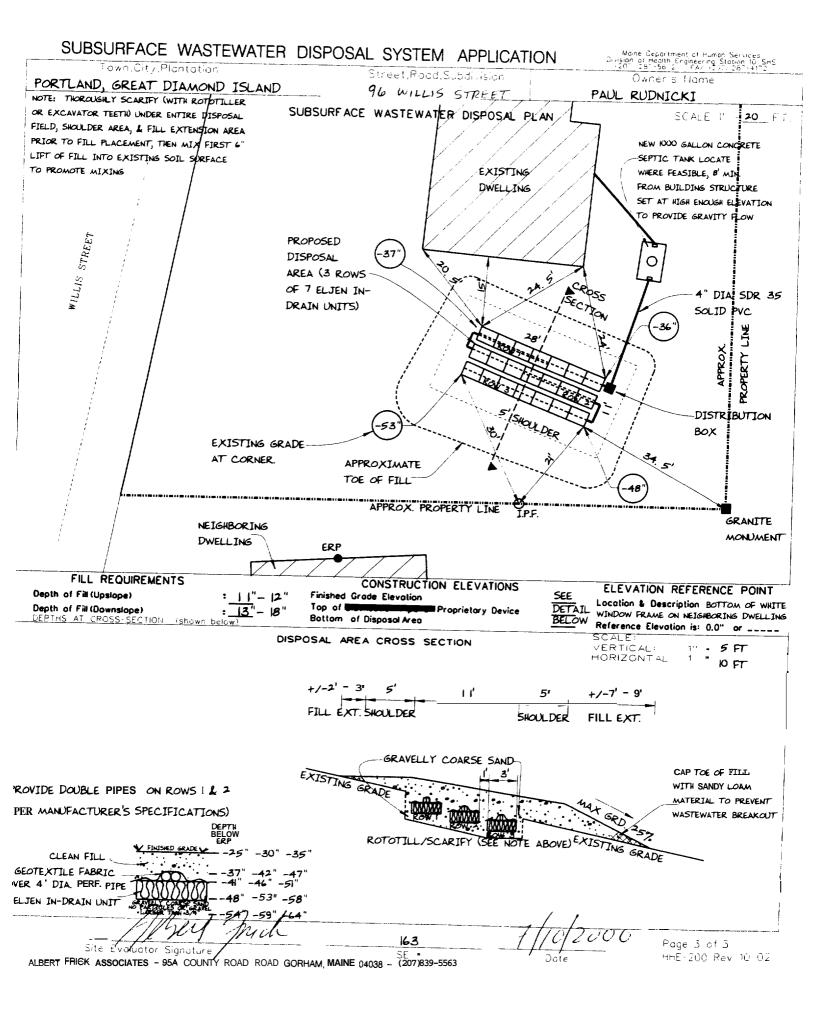
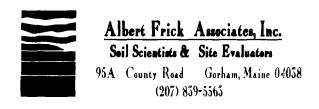
Moine Department of Human Services Division of Health Engineering, Station 10, ShS 1207-287-4172 FA-+1207-287-4172 SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION PROPERTY LOCATION Caution: Permit Required - Attach In Space Below <u>or Prantation</u> PORTLAND, GREAT DIAMOND ISLAND PORTLAND **PERMIT # 9996** TOWN COPY Street or Plad Date Permit 96 WILLIS STREET Issued: Subdivision, Lot .* OWNER APPLICANT INFORMATION Jame Hast, tast, MI 0wns RUDNICKI PAUL Mailing Address ٥1 42 DAFFODIL HILL LANE Wner Applicant ROCHESTER, NH 03868 Daytime Tel • 603-332-1472 Lot 43 40' 52" 70 12' 9" W Municipal Tal Map • 83 B Lot • 2 N Lan. Owner or Applicant Statement Caution: Inspections Required have inspected the installation authorized above and found it to be in compliance with the Subsurface Wastewater Disposal Rules Application. state and acknowledge that the information submitted is correct to the best of my knr ladge and understand that any falsification is reason for the Department and or Local Plumbing inspector to deny a permit (Ist) Date Approved Signature of Owner Applicant Cote Local Flumbing Inspector Signature 2nd) Date Approved PÉRMIT/INFORMATION TYPE OF APPLICATION THIS APPLICATION REQUIRES DISPOSAL SYSTEM COMPONENTS ☐ First Time System Ma Rule Variance 1 Complete Non-Engineered System 2. Replacement System 2. First Time System Variance 2 Primitive System(graywater & all tollet) Type Peplaced SINK DRAIN a Local Plumping inspector Approval ☐ Alternative Toilet specify _ Year installed. PRE-1974 b 🗆 State & Lacal Plumbing Inspector Approval 4 Non-Engineered Treatment Tank conf. 5. 🗌 Expanded System Pepiacement System Varian $c\,e$ 5 Holding Tank,_____Golions a 🗋 Minor Expansion a Local Plumbing Inspector Approval 6 □ Non-Engineered Disposal Field only) ©. □ Major Expansion b 🔲 State & Local Plumbing Inspector Approval ☐ Separated Laundry System 4. D Experimental System ☐ Minimum Lot Size Variance 8 Complete Engineered System(2000gpd+ Seasonal Conversion Seasonal Conversion Approval 9 Engineered Treatment Tank (only) 10 Engineered Disposal Field conty SIZE OF PROPERTY DISPOSAL SYSTEM TO SERVE 11 Pre-treatment, specify sq ft. 12 \square Miscellaneous components ■ Single Family Dwelling Unit, No of Bedrooms <u>3</u> 12.637 □ ocres 2. Multiple Family Dwelling, No of Units -TYPE OF WATER SUPPLY 3. 🗆 Other ___ SHORELAND ZONING 1 □ Drilled Well 2 □ Dug Well 3 □ Private SPECIFY 5. 10 Other SEASONAL 4. Public Yes □ No Current Use 🖶 Seasonai 🗌 Year Round 🖺 Undeveloped DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)///// TREATMENT TANK DISPOSAL FIELD TYPE & SIZE GARBAGE DISPOSAL UNIT DESIGN FLOW □ Concrete 1. ☐ Stone Bed 2 Stone Trench 270 gallons per day Ho 3. 🗌 Maybe a. Regular BASED ON: 3 ■ Proprietary Device 2. ☐ Yes >> Specify one below-1. Table 501.1 (dwelling unit(s)) b. Low Profile a 🗌 Multi-compartment tank a.□Cluster array c.■Linear ■ Plastic 2. Toble 501.2 (other facilities) b. Regular a □H-20 logged b \square ____tanks in series SHOW CALCULATIONS 3. [] Other: 4. 🔲 Otner C. Increase in tank capacity CAPACITY_IOOO - for other facilities -SIZE KOOS ■ sq. ft. □lin. ft. aallans d. Filter on tank autlet 21 ELJEN IN-DRAIN UNITS SOIL DATA & DESIGN CLASS 3 BEDROOMS AT DISPOSAL FIELD SIZING EFFLUENT/EJECTOR PUMP 90 GALLONS PER PROFILE CONDITION DESIGN ☐ Small - 20 saltt igpd DAY EACH= 270 GPD ■ Hot required 3 C 1 2. □ Medium - 2.6 sq.ft. gpd ☐ May be required AT Observation Hale . TP I 3. Medium Large + 3.5 sq ft. gpd 3. Pequired >> Specify only for engineered or experimental systems. Depth 30 □ Lorge 4.1 sq./t gpd 3. Section 503 C eadinas □ E-tra-Large 5.0 sq tt gpd MOST LIMITING SOIL FACTOR DOSE ATTACH WATE Galions SITE EVALUATOR STATEMENT ict or 6 recompleted a site e aluation on this propert, and state that the Øth the ∮ubsurface Wastewater JisposarPules 0-144A CMF 240 AFACMAINERR CON (207) 839-5563 Site Evaluator Name Printed Telephone Number ALBERT FRICK ASSOCIATES - 95A COUNTY ROAD ROAD GORHAM, MAINE 04038 - (207) 839-5563 Telephone Humber E-mail Address Note: Changes to ar deviations from the design should be confirmed with the Site Evaluator







PORTLAND, GREAT DIAMOND ISLAND

96 WILLIS STREET PAUL RUDNICKI

TOWN LOCATION

APPLICANT'S NAME

- 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.
- 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 andor federal law 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 or Code Enforcement Officer 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. Well locations on abutting properties but not readily visible above grade should be confirmed by the owner/applicant prior to system installation to assure minimum setbacks.
- 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 shall 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 units) and controlled or hazardous substances shall not be disposed of in this system. Additives such as yeast or enzymes are discouraged, since they have not been proven to extend system life.
- 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. All septic tank, pump stations and additional treatment tanks shall be installed to prevent ground water and surface water infiltration,

PORTLAND, GREAT DIAMOND ISLAND	96 WILLIS	STREET PAUL RUDNICKI
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- 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.
- 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, by sealing/grouting all seams and connections, and by placement of a riser and lid at or above grade. 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.
- 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 that 8 inches and compact before placing more fill (this ensures that voids and loose pockets are eliminated to minimize the chance of leakage or differential setting). Do not use wheeled equipment on the scarified soil area until after 12 inches of fill is in place. Keep equipment off proprietary devices. Divert the surface water away from the disposal area by ditching or shallow landscape swales.
- 11) Unless noted otherwise, fill shall be gravelly coarse sand, which contains no more that 5% fines (silt and clay).
- 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. Alternatively, bark or permanent landscape mulch may be used to cover system, Woody trees or shrubs are not permitted on the disposal area or fill extensions.



Fill Estimation Worksheet

Albert Frick Associates Inc. 95A County Road Gorham, Me 04038 839-5563 FAX - 839-5564

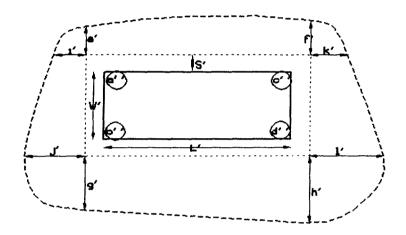
E-Mail - Albertfrick@worldnet.att.net

Town: Portland (Great Dia. Isl.)

Project ownerlapplicant: Paul Rudnicki

96 WILLIS STREET Portland (Great Dia. Isl.) Address:

This worksheet is being provided as a complimentary tool to assist in estimating the approximate amount of fill required to construct the proposed system. This worksheet does not substitute for a personal visit to the site for your own estimate. These calculations are intended to serve as a check to your work. Site features beyond the model (terrain) can vary to effect model projections.



Length (L)	28 feet
Width (W)	11 feet
Shoulder (S)	<u>5</u> feet
Depth of fill:	
upper left (a)	12 inches
upper right (c)	11 inches
lower left (b)	18 inches
lower right (d)	<u>13</u> inches
Fill Extension:	
left up (e)	3 feet
right up (9	2 feet
left down (g)	9 feet
right down (h)	Z feet
upper left (i)	<u>3</u> feet
lower left (j)	<u>9</u> feet
upper right (k)	2 feet
ower right (I)	Z feet
Cost of fill per yard	d= \$

Body	34 cubic yards
Fill Down	8 cubic yards
Fill Up	2 cubic yards
Fill left	3 cubic yards
Fill right	2 cubic yards
Fill upleft	1 cubic yards
Fill upright	1 cubic yards
Fill dwnleft	2 cubic yards
Fill dwnright	1 cubic yards

SubTotal=	54 cubic yards
Shrinkage %=	15 %
Total Backfill	62 cubic yards

Adjusted cost of Total Backfill=

