

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

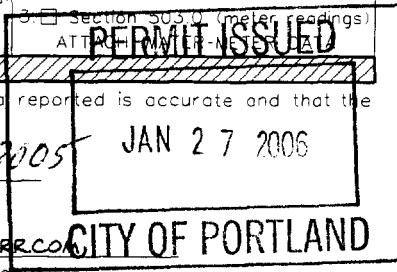
Maine Department of Human Services
Division of Health Engineering, Station 10, SHS
(207) 287-5672 FAX: (207) 287-4172

PROPERTY LOCATION		>> Caution: Permit Required - Attach In Space Below <<	
City, Town, or Plantation	PORTLAND, PEAKS ISLAND	PORTLAND PERMIT # 2717 YEAR 2005 Date Permit Issued: <u>12/27/06</u> \$ <u>1100.00</u> <input type="checkbox"/> If Double Fee Charged Local Plumbing Inspector Signature: <u>[Signature]</u> L.P.I. # <u>061810</u>	
Street or Road	85 PLEASANT AVENUE		
Subdivision, Lot *			
OWNER/APPLICANT INFORMATION			
Name (last, first, MI)	ROBERTS CHRIS		
Mailing Address of	379 ISLAND AVENUE PEAKS ISLAND, ME.		
Daytime Tel. *		Municipal Tax Map * <u>87</u> Lot * <u>SEC B LOTS 2, 3, & 8</u>	
<u>Owner or Applicant Statement</u>		<u>Caution: Inspections Required</u>	
I state and acknowledge 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 _____ (2nd) Date Approved _____	

PERMIT INFORMATION		
TYPE OF APPLICATION 1. <input type="checkbox"/> First Time System 2. <input checked="" type="checkbox"/> Replacement System Type Replaced: <u>CESSPOOL</u> Year Installed: _____ 3. <input type="checkbox"/> Expanded System a. <input type="checkbox"/> Minor Expansion b. <input type="checkbox"/> Major Expansion 4. <input type="checkbox"/> Experimental System 5. <input type="checkbox"/> Seasonal Conversion	THIS APPLICATION REQUIRES 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. 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	DISPOSAL SYSTEM COMPONENTS 1. <input checked="" type="checkbox"/> Complete Non-Engineered System 2. <input type="checkbox"/> Primitive System (graywater 8 alt 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 +/- <u>40,50</u> <input checked="" type="checkbox"/> sq. ft. <input type="checkbox"/> acres	DISPOSAL SYSTEM TO SERVE 1. <input checked="" type="checkbox"/> Single Family Dwelling Unit, No. of Bedrooms <u>3</u> 2. <input type="checkbox"/> Multiple Family Dwelling, No. of Units: _____ 3. <input type="checkbox"/> Other: _____ SPECIFY Current Use <input type="checkbox"/> Seasonal <input checked="" type="checkbox"/> Year Round <input type="checkbox"/> Undeveloped	TYPE OF WATER SUPPLY 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 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	DISPOSAL FIELD TYPE & SIZE 1. <input type="checkbox"/> Stone Bed 2. <input type="checkbox"/> 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>1008</u> <input checked="" type="checkbox"/> sq. ft. <input type="checkbox"/> lin. ft. 24 ELJEN IN-DRAIN UNITS	GARBAGE DISPOSAL UNIT 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"/> _____ tanks in series c. <input type="checkbox"/> increase in tank capacity d. <input type="checkbox"/> Filter on tank outlet	DESIGN FLOW 270 gallons per day BASED ON: 1. <input checked="" type="checkbox"/> Table 501.1 (dwelling unit(s)) 2. <input type="checkbox"/> Table 501.2 (other facilities) SHOW CALCULATIONS - for other facilities -
SOIL DATA & DESIGN CLASS PROFILE <u>3</u> CONDITION <u>A/C</u> DESIGN <u>I</u> AT Observation Hole * <u>TP 1</u> Depth <u>20</u> " OF MOST LIMITING SOIL FACTOR	DISPOSAL FIELD SIZING 1. <input type="checkbox"/> Small - 2.0 sq.ft./gpd 2. <input type="checkbox"/> Medium - 2.6 sq.ft./gpd 3. <input checked="" type="checkbox"/> Medium-Large - 3.3 sq.ft./gpd 4. <input type="checkbox"/> Large - 4.1 sq.ft./gpd 5. <input type="checkbox"/> Extra-Large - 5.0 sq.ft./gpd	PUMPING 1. <input type="checkbox"/> Not required 2. <input checked="" type="checkbox"/> May be required 3. <input type="checkbox"/> Required >> Specify only for engineered or experimental systems: DOSE: _____ Gallons	3 BEDROOMS AT 90 GALLONS PER DAY EACH

SITE EVALUATOR STATEMENT		
I certify that on <u>10/12/05</u> (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).		
Site Evaluator Signature: <u>Albert Frick</u> ALBERT FRICK Site Evaluator Name Printed ALBERT FRICK ASSOCIATES - 95A COUNTY ROAD ROAD GORHAM, MAINE 04038 - (207) 839-5563	SF * <u>63</u> Telephone Number (207) 639-5563	Date: <u>12/12/2005</u> E-mail Address: <u>AFAC@MAINEERR.COM</u>



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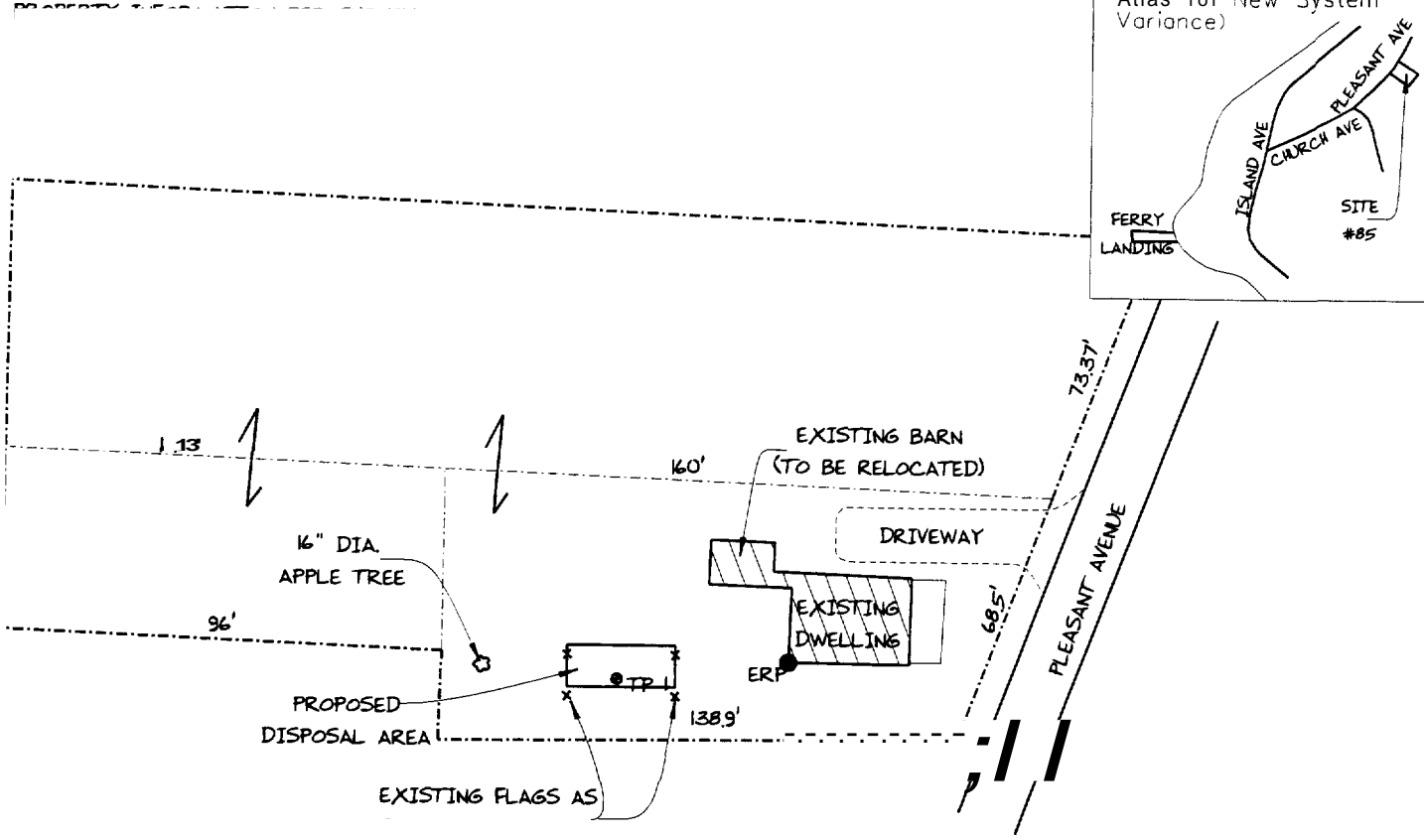
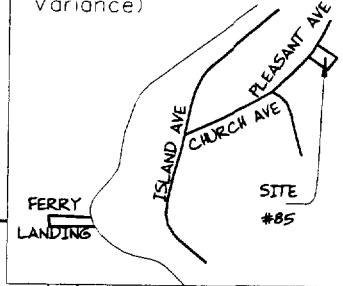
Maine Department of Human Services
 Division of Health Engineering, Station 10 SHS
 (207) 287-5672 FAX (207) 287-4172

Owner's Name
CHRIS ROBERTS

SITE FLAN

Scale 1" = 50 Ft
 or as shown

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



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

0	Texture	Consistency	Color	Mottling
	SANDY		DARK	
	LOAM		BROWN	
10	LOAMY SAND	FRIBLE	DARK YELLOW BROWN	
20	LOAMY SAND			COMMON, DISTINCT
30	SAND	FIRM		& SATURATED
40	REFUSAL			
50				

Soil Classification Profile S Condition A/C
 Slope _____ Limiting Factor 20
 Ground Water Restrictive Layer
 Bedrock
 Pit Depth

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

0	Texture	Consistency	Color	Mottling
0				
10				
20				
30				
40				
50				

Soil Classification Profile _____ Condition _____
 Slope _____ % Limiting Factor _____
 Ground Water Restrictive Layer
 Bedrock
 Pit Depth

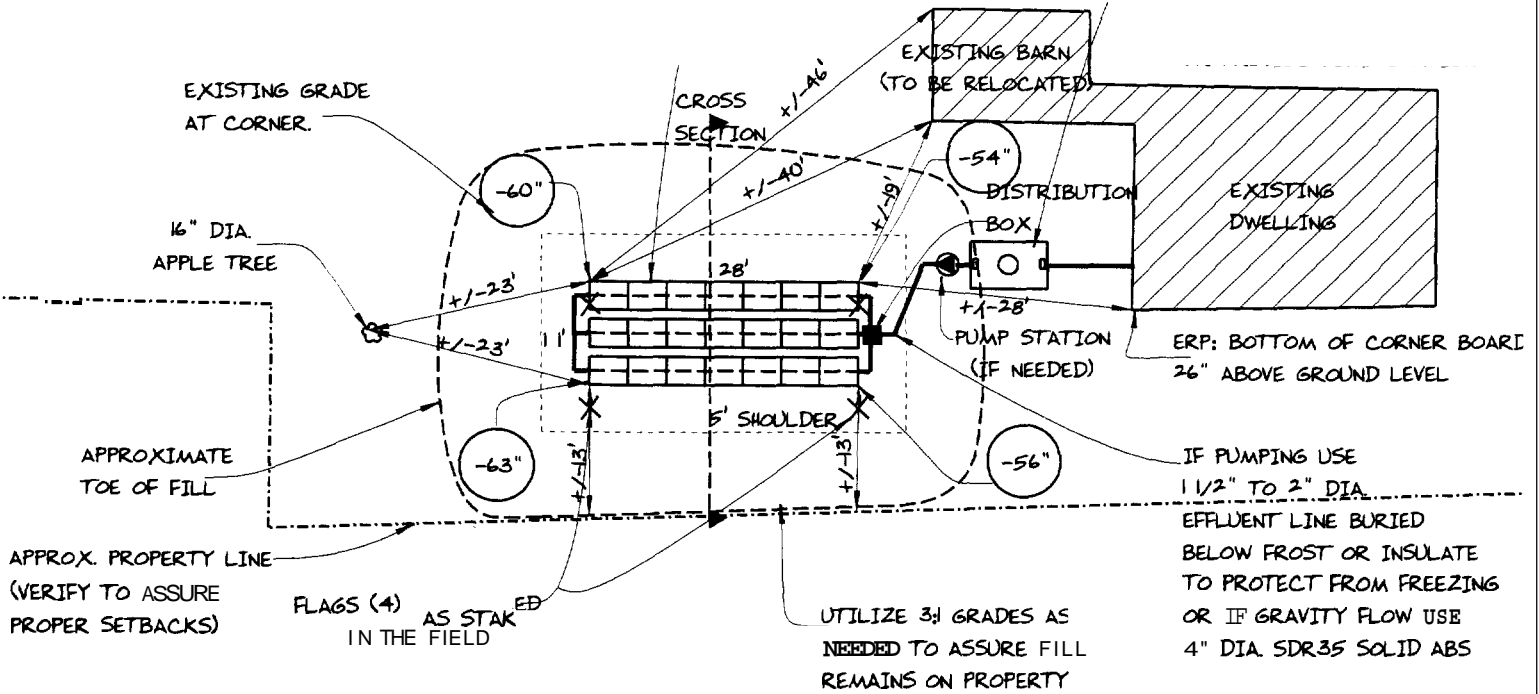
Albert Frick

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12/12/2005

1000

OF



FILL REQUIREMENTS

Depth of Fill (Upslope) : -24" - 27"

Depth of Fill (Downslope) : -23" - 30"

DEPTHS AT CROSS-SECTION (shown below)

CONSTRUCTION ELEVATIONS

Finished Grade Elevation

Top of Distribution Pipe or Proprietary Device

Bottom of Disposal Area

SEE DETAIL BELOW

ELEVATION REFERENCE POINT

Location & Description: BOTTOM OF CORNER TRIM BOARD, 26" ABOVE GRADE

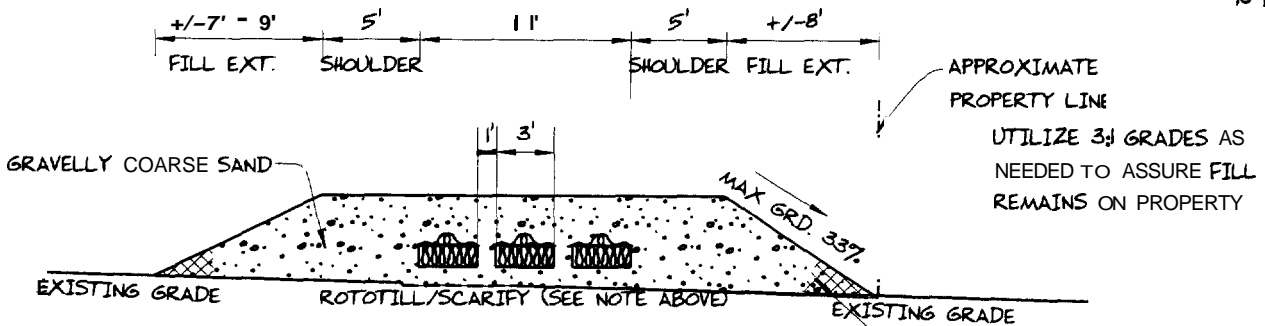
Reference Elevation is: 0.0' or -----

SCALE

VERTICAL 1 = 5 FT

HORIZONTAL 1 = 10 FT

DISPOSAL AREA CROSS SECTION



CLEAN FILL -33"

GEOTEXTILE FABRIC -45"

OVER 4" DIA PERF. PIPE -49"

ELJEN IN-DRAIN UNIT -56"

GRAVELLY COARSE SAND -62"

CAP TOE OF FILL WITH SANDY LOAM MATERIAL TO PREVENT

Albert Frick
Site Evaluator Signature

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SE *

12/12/2005
12/13/2005
Date



Albert Frick Associates, Inc.

Soil Scientists & Site Evaluators

95A County Road Gorham, Maine 04058

(207) 839-5563

PORTLAND, PEAKS ISLAND

85 PLEASANT AVENUE

CHRIS ROBERTS

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 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 aseptic 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, PEAKS IKAND	85 PLEASANT AVENUE	CHRIS ROBERTS
TOWN	LOCATION	APPLICANT'S NAME

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, 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.

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 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 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. 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.



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