2005 6017

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

City, Town, or Plantation	PORTLAND; PEAKS ISLAND
Street or Road	+/-417 ISLAND AVENUE
Subdivision, Lot #	

OWNER/APPLICANT INFORMATION

Name (last, first, MI)	N/F HAMILTON JACK (Owner)
Mailing Address of ☐ Owner ■ Applicant	THOMAS DROMGOOLE 7 WAVE AVENUE SAVIN HILL, MA 02125
Daytime Tel. #	(617) 686-9584

>> Caution: Permit Required – Attach in Space Below <<

PORTLAND PERMIT # 9531 STATE COPY

Date Permit Issued: 8/25/05

$ 160 FEE ☐ If Double Fee Charged

Local Plumbing Inspector Signature

L.P.I. # 360

Municipal Tax Map # 90 Lot # 10

Owner or Applicant Statement

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.

Signature of Owner/Applicant — Date

Caution: Inspections Required

I have inspected the installation authorized above and found it to be in compliance with the Subsurface Wastewater Disposal Rules Application.

Local Plumbing Inspector Signature — (1st) Date Approved — (2nd) Date Approved

PERMIT INFORMATION

TYPE OF APPLICATION

1 ● First Time System
2. ☐ Replacement System
Type Replaced:_____
Year Installed:_____
3. ☐ Expanded System
a. ☐ Minor Expansion
b. ☐ Major Expansion
4. ☐ Experimental System
5. ☐ Seasonal Conversion

THIS APPLICATION REQUIRES

■ No Rule Variance
☐ First Time System Variance
a. ☐ Local Plumbing Inspector Approval
b. ☐ State & Local Plumbing Inspector Approval
Replacement System Variance
a. ☐ Local Plumbing Inspector Approval
b. ☐ State & Local Plumbing Inspector Approval
☐ Minimum Lot Size Variance
☐ Seasonal Conversion Approval

DISPOSAL SYSTEM COMPONENTS

1 ■ Complete Non-Engineered System
2. ☐ Primitive System(graywater & alt toilet
3. ☐ Alternative Toilet. specify:_____
4. ☐ Non-Engineered Treatment Tank (only
5. ☐ Molding Tank_____Gallons
6. ☐ Non-Engineered Disposal Field (only)
7. ☐ Separated Laundry System
8. ☐ Complete Engineered System(2000gpd
9. ☐ Engineered Treatment Tank (only)
10. ☐ Engineered Disposal Field (only)
11. ☐ Pre-treatment, specify;
12. ☐ Miscellaneous components

SIZE OF PROPERTY

PORTION OF 1.07 ☐ sq. ft. ■ acres

DISPOSAL SYSTEM TO SERVE

■ Single Family Dwelling Unit, No. of Bedrooms: 3
☐ Multiple Family Dwelling. No of Units: _____
3. ☐ Other-_____ SPECIFY
Current Use ☐ Seasonal ☐ Year Round ■ Undeveloped

SHORELAND ZONING

☐ Yes ■ No

TYPE OF WATER SUPPLY

1. ☐ Drilled Well 2. ☐ Dug Well 3. ☐ Private
4. ■ Public 5. ☐ Other:

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

TREATMENT TANK

1. ■ Concrete
a. ■ Regular
b. ☐ Low Profile
2. ☐ Plastic
3. ☐ Other:_____
CAPACITY 1000 gallons

DISPOSAL FIELD TYPE & SIZE

1. ☐ Stone Bed 2. Stone Trench
3. ■ Proprietary Device
a. ☐ Cluster array c. ■ Linear
b. ■ Regular d. ☐ H-20 loaded
4. ☐ Other:
SIZE 960 ■ sq. ft. ☐ lin. ft.
20 ELJEN IN-DRAIN UNITS

GARBAGE DISPOSAL UNIT

1. ■ No 3. ☐ Maybe
2. ☐ Yes >> Specify one below:
a. ☐ Multi-compartment tank
b. ☐ _____tanks in series
c. ☐ Increase in tank capacity
d. ☐ Filter on tank outlet

DESIGN FLOW

270 gallons per day
BASED ON:
1. ■ Table 501.1 (dwelling unit(s))
2. ☐ Table 501.2 (other facilities)
SHOW CALCULATIONS
- for other facilities -

3 BEDROOMS AT 90 GALLONS PER DAY EACH

3. ☐ Section 503.0 (meter readings)
ATTACH WATER-METER DATA

SOIL DATA & DESIGN CLASS

PROFILE CONDITION DESIGN
3 / A/C / 1

AT Observation Hole # TP 2
Depth 15 "
OF MOST LIMITING SOIL FACTOR

DISPOSAL FIELD SIZING

1. ☐ Small - 2.0 sq.ft./gpd
2. ☐ Medium - 2.6 sq.ft./gpd
3. ■ Medium-Large - 3.3 sq.ft./gpd
4. ☐ Large - 4.1 sq.ft./gpd
5. ☐ Extra-Large - 5.0 sq.ft./gpd

PUMPING

1. ☐ Not required
2. ■ May be required
3. ☐ Required >>Specify only for engineered or experimental systems:
DOSE: Gallons

SITE EVALUATOR STATEMENT

I Certify that on 8/19/04 (date) I completed a site evaluation on this property and state that the data reported is accurate and that the proposed sytem is in compliance with the Subsurface Wastewater Disposal Rules (10-144A CMR 241).

Albert Frick — Site Evaluator Signature

163 — SE #

2/15/2005 — Date

ALBERT FRICK — Site Evaluator Name Printed

(207) 839-5563 — Telephone Number

ALBERTFRICK@WORLDNET.ATT.NET — E-mail Address

ALBERT FRICK ASSOCIATES – 95A COUNTY ROAD ROAD GORHAM, MAINE 04038 – (207) 839-5563

Note: Changes to or deviations from the design should be confirmed with the Site Evaluator

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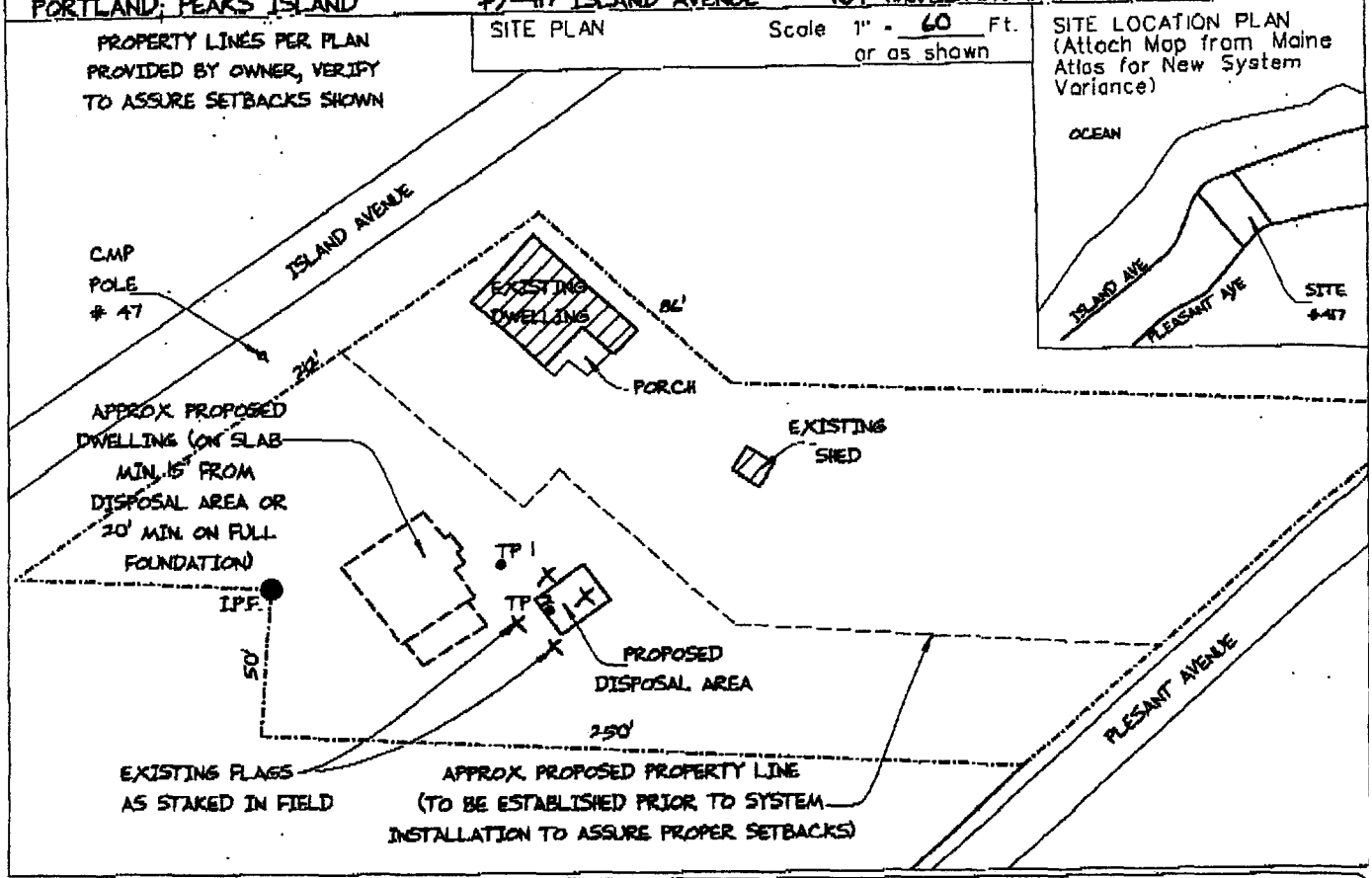
Street, Road Subdivision: +/-417 ISLAND AVENUE

Owner's Name: N/F HAMILTON (FOR THOMAS DROMGOOLE)

SITE PLAN Scale 1" = 60 Ft. or as shown



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

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 (inches)	Texture	Consistency	Color	Mottling
0			DARK	
	FINE SANDY LOAM	FRIABLE	BROWN	
10			YELLOW BROWN	
20			LIGHT OLIVE BROWN	FEW, FAINT
30	LOAMY FINE SAND	FIRM	OLIVE BROWN	COMMON, DISTINCT
40		LIMIT OF EXCAVATION		
50				

Soil Classification		Slope	Limiting Factor	
3	C	%	16 -	■ Ground Water ☐ Restrictive Layer ☐ Bedrock ☐ Pit Depth
Profile	Condition			

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

DEPTH BELOW MINERAL SOIL SURFACE (inches)	Texture	Consistency	Color	Mottling
0			DARK	
	SANDY LOAM		BROWN	
10	LOAMY SAND	FRIABLE	YELLOWISH BROWN	
20			LIGHT OLIVE BROWN	FEW FAINT
30		FIRM	OLIVE BROWN	COMMON DISTINCT
40		REFUSAL (BEDROCK OR LARGE STONE)		
50				

Soil Classification		Slope	Limiting Factor	
3	A/C	%	15 -	■ Ground Water ☐ Restrictive Layer ☐ Bedrock ☐ Pit Depth
Profile	Condition			

Albert Frick
Site Evaluator Signature

K63
SE #

2/15/2005
Date

ALBERT FRICK ASSOCIATES - 95A COUNTY ROAD ROAD GORHAM, MAINE 04038 - (207) 839-5563

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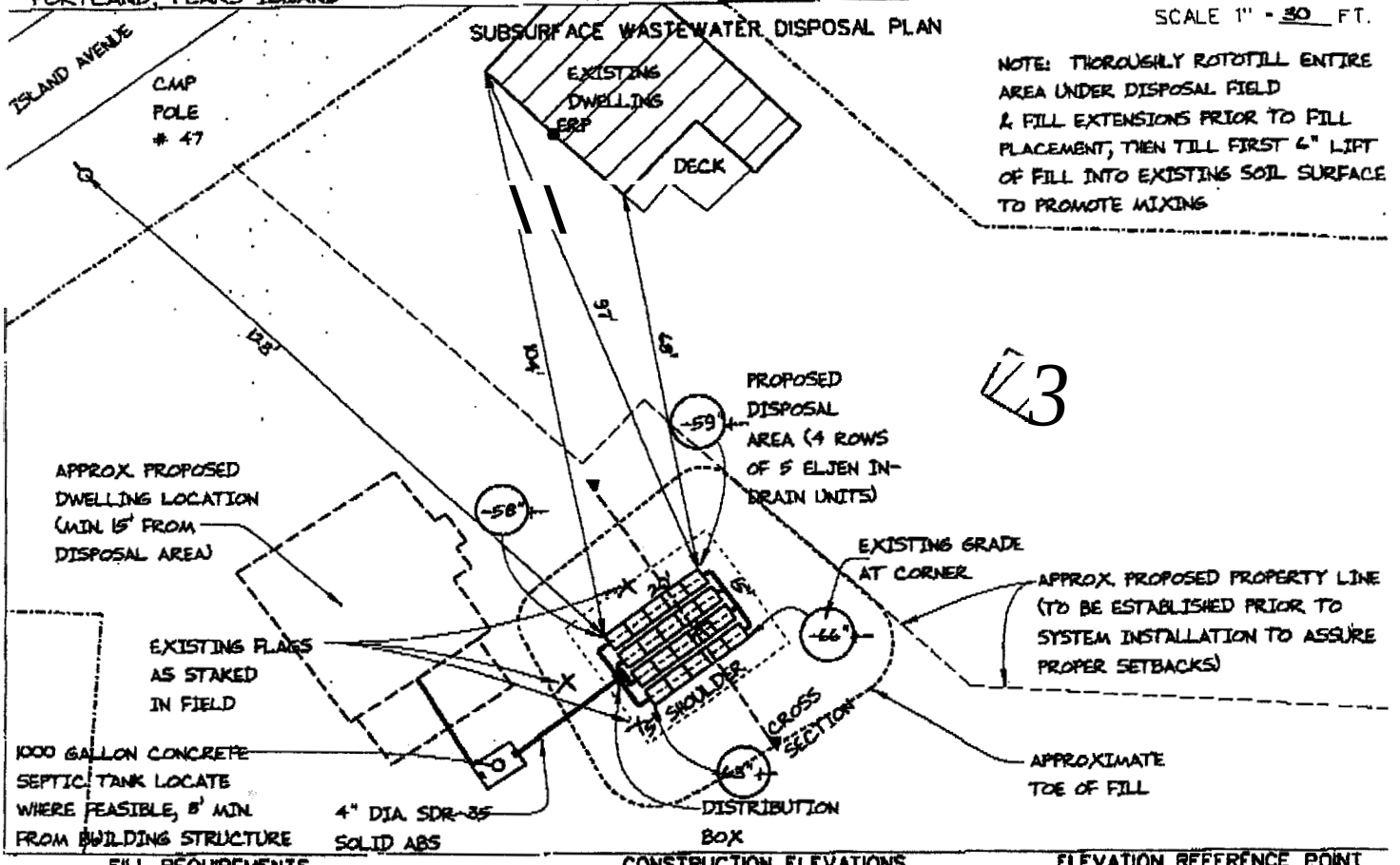
Owner's Name: N/F HAMILTON (FOR THOMAS DROMGOOLE)

SUBSURFACE WASTEWATER DISPOSAL PLAN

SCALE 1" = 30 FT.

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



L3

FILL REQUIREMENTS

Depth of Fill (Upslope): 27" - 28" +-
Depth of Fill (Downslope): 32" - 35" +-
DEPTHS AT CROSS-SECTION (shown below)

CONSTRUCTION ELEVATIONS

Finished Grade Elevation
Top of [redacted] Proprietary Device
Bottom of Disposal Area

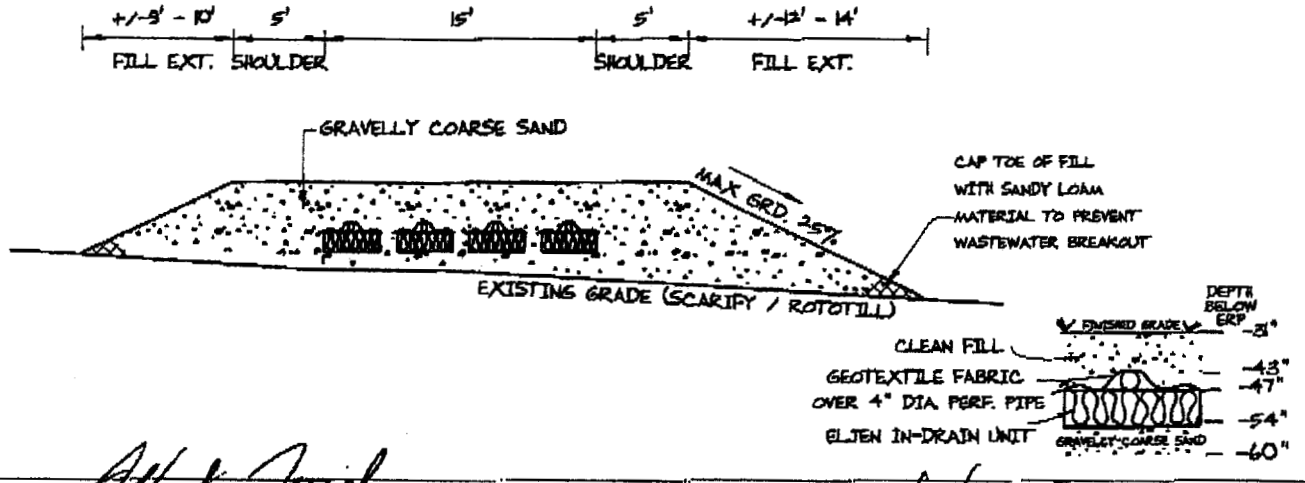
SEE DETAIL BELOW

ELEVATION REFERENCE POINT

Location & Description: BOTTOM OF WHITE SCREEN WINDOW, 40" ABOVE BOTTOM OF SIDING
Reference Elevation is: 0.0" or ------

DISPOSAL AREA CROSS SECTION

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



Albert Frick
Site Evaluator Signature

163
SE #

2/15/2005
Date

ALBERT FRICK ASSOCIATES - 95A COUNTY ROAD, ROAD, GORHAM, MAINE 04099 - (207) 839-5563

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

PORTLAND; PEAKS ISLAND +/-417 ISLAND AVENUE N/F HAMILTON (FOR THOMAS DROMGOOLE)
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 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.

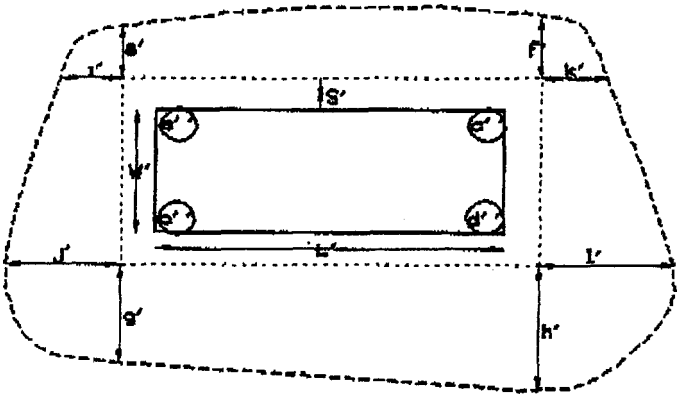
6) The septic tank should be pumped within two years of installation and subsequently as recommended by the pump service, but in no event should the septic tank be pumped less often than every three years. All septic tank, pump stations and additional treatment tanks shall be installed to prevent ground water and surface water infiltration.

Fill Estimation Worksheet

Albert Frick Associates Inc.
95A County Road
Gorham. Me 04038
839-5663 FAX - 839-5564
E-Mail - Albertfrick@worldnet.att.net

Town': Portland (Peaks Isl.)
Project owner/applicant: Thomas Dromgoole
Address: 417+- Island Ave,
Peaks Island

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 modd (terrain) can vary to effect model projections.



Length (L)	20 feet
Width (W)	LS feet
Shoulder (S)	5 feet
Depth of fill:	
upper left (a)	27 inches
upper right (c)	28 inches
lower left (b)	32 inches
lower right (d)	35 inches
Fill Extension:	
left up (e)	8 feet
right up (f)	10 feet
left down (g)	12 feet
right down (h)	14 feet
upper left (i)	9 feet
lower left (j)	12 feet
upper right (k)	LO feet
lower right (l)	14 feet

Cost of fill per yard= $ 0.00

Body	71 cubic yards
Fill Down	21 cubic yards
Fill Up	13 cubic yards
Fill left	12 cubic yards
Fill right	15 cubic yards
Fill upleft	2 cubic yards
Fill upright	3 cubic yards
Fill dwnleft	4 cubic yards
Fill dwnright	6 cubic yards

SubTotal=	147 cubic yards
Shrinkage %=	15 %
Total Backfill	169 cubic yards

Adjusted cast of Total Backfill= $ -