SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering
(207)289-3826

PROPERTY ADDRESS

Town Or Plantation: PORTLAND 86-A-6

Street Subdivision Lot #: PEAKS ISLAND SEASHORE AVENUE

PROPERTY OWNERS NAME

Last: MALICHIO First: LINDA & JOE

Applicant Name: WHITTEN ARCHITECTS WILL WINKELMAN

Mailing Address of Owner/Applicant (If Different): P.O. BOX 404 PORTLAND, ME. 04112

PORTLAND PERMIT # 4516 STATE COPY

Date Permit Issued: 6/25/92 $ 160.00 FEE ☐ If Double Fee Charged

Local Plumbing Inspector Signature

L.P.I. # 01241

Chief Plumbing Inspector

Owner/Applicant Statement

I certify that the information submitted is correct to the best of my knowledge and understand that any falsification is reason for the Local Plumbing Inspector to deny a Permit.

Signature of Owner/Applicant _____ Date _____

Caution: Inspection Required

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

Local Plumbing Inspector Signature _____ Date Approved _____

PERMIT INFORMATION

THIS APPLICATION IS FOR:
1. ☒ NEW SYSTEM
2. ☐ REPLACEMENT SYSTEM
3. ☐ EXPANDED SYSTEM
4. ☐ EXPERIMENTAL SYSTEM

SEASONAL CONVERSION
to be completed by the LPI
5. ☐ SYSTEM COMPLIES WITH RULES
6. ☐ CONNECTED TO SANITARY SEWER
7. ☐ SYSTEM INSTALLED – P# _____
8. ☐ SYSTEM DESIGN RECORDED AND ATTACHED

IF REPLACEMENT SYSTEM:
YEAR FAILING SYSTEM INSTALLED _____
THE FAILING SYSTEM IS:
1. ☐ BED 3. ☐ TRENCH
2. ☐ CHAMBER 4. ☐ OTHER: _____

SIZE OF PROPERTY: 20,000 ☐' ± **ZONING:**

THIS APPLICATION REQUIRES:
1. ☐ NO RULE VARIANCE
2. ☐ NEW SYSTEM VARIANCE Attach New System Variance Form
3. ☐ REPLACEMENT SYSTEM VARIANCE Attach Replacement System Variance Form
   a. ☐ Requiring Local Plumbing Inspector Approval
   b. ☐ Requires State and Local Plumbing Inspector Approval
4. ☐ MINIMUM LOT SIZE VARIANCE

DISPOSAL SYSTEM TO SERVE:
1. ☐ SINGLE FAMILY DWELLING
2. ☐ MODULAR OR MOBILE HOME
3. ☐ MULTIPLE FAMILY DWELLING
4. ☐ OTHER _____ SPECIFY

INSTALLATION IS:
COMPLETE SYSTEM
1. ☒ NON-ENGINEERED SYSTEM
2. ☐ PRIMITIVE SYSTEM (Includes Alternative Toilet)
3. ☐ ENGINEERED (+2000 gpd)

INDIVIDUALLY INSTALLED COMPONENTS:
4. ☐ TREATMENT TANK (ONLY)
5. ☐ HOLDING TANK _____ GAL
6. ☐ ALTERNATIVE TOILET (ONLY)
7. ☐ NON-ENGINEERED DISPOSAL AREA (ONLY)
8. ☐ ENGINEERED DISPOSAL AREA (ONLY)
9. ☐ SEPARATED LAUNDRY SYSTEM

TYPE OF WATER SUPPLY: PROPOSED WELL

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

TREATMENT TANK
1. ☒ SEPTIC: ☒ Regular ☐ Low Profile
2. ☐ AEROBIC

SIZE: _____ GALS.

WATER CONSERVATION
1. ☐ NONE
2. ☒ LOW VOLUME TOILET RECOMMENDED
3. ☐ SEPARATED LAUNDRY SYSTEM
4. ☐ ALTERNATIVE TOILET

SPECIFY: _____

PUMPING
1. ☐ NOT REQUIRED
2. ☒ MAY BE REQUIRED (DEPENDING ON TREATMENT TANK LOCATION AND ELEVATION)
3. ☐ REQUIRED

DOSE: _____ GALS.

CRITERIA USED FOR DESIGN FLOW (BEDROOMS, SEATING, EMPLOYEES, WATER RECORDS, ETC.)
SINGLE FAMILY DWELLING (4 BEDROOM)

SOIL CONDITIONS USED FOR DESIGN PURPOSES

PROFILE	CONDITION
2	A

DEPTH TO LIMITING FACTOR: 18"-19"

SIZE RATINGS USED FOR DESIGN PURPOSES
1. ☐ SMALL
2. ☐ MEDIUM
3. ☒ MEDIUM-LARGE
4. ☐ LARGE
5. ☐ EXTRA LARGE

DISPOSAL AREA TYPE/SIZE
1. ☐ BED _____ Sq. Ft.
2. ☒ CHAMBER 600 Sq. Ft.
   ☒ REGULAR ☐ H-20
3. ☐ TRENCH _____ Linear Ft.
4. ☐ OTHER: _____
24 PLASTIC CHAMBERS

DESIGN FLOW: 360 (GALLONS/DAY)

SITE EVALUATOR STATEMENT

On MAY 22, 1992 (date) I conducted a site evaluation for this project and certify that the data reported is accurate. The system I propose is in accordance with the Subsurface Wastewater Disposal Rules.

Albert Frick — Site Evaluator Signature

163 — SE#

6/12/92 — Date

(Local Plumbing Inspector's Signature if permit is for Seasonal Conversion.)

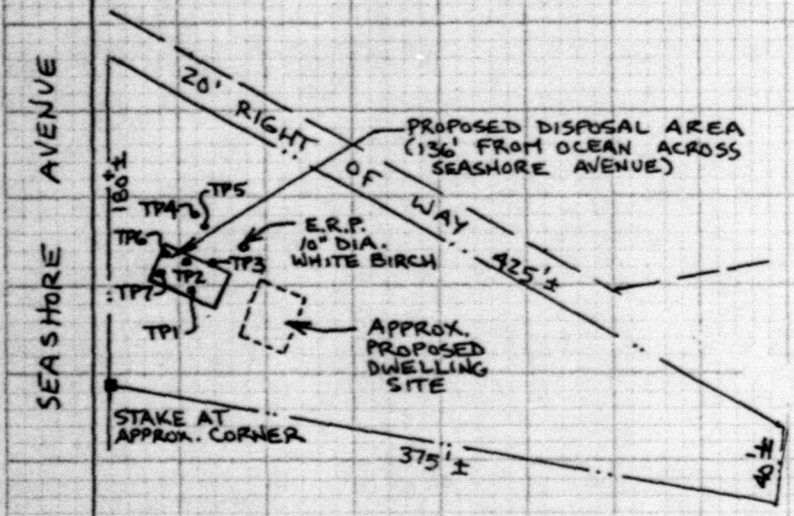
SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering

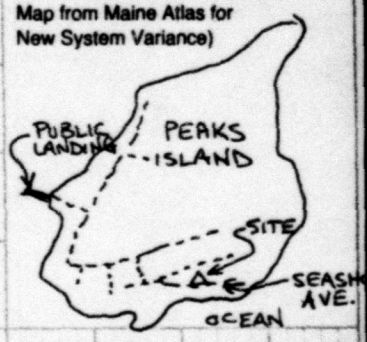
Town, City, Plantation: PORTLAND | Street, Road, Subdivision: PEAKS ISLAND, SEASHORE AVE. | Owners Name: MALICHID, LINDA & JOE

SITE PLAN

Scale 1" = 100 Ft.



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



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

Observation Hole TP1 ☒ Test Pit ☐ Boring

_____" Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (Inches)

Texture	Consistency	Color	Mottling
SANDY LOAM	FRIABLE	DARK BROWN 10YR 3/3	
BEDROCK			

Soil Profile	Classification Condition	Slope	Limiting Factor	
2	A	____ %	17"	☐ Ground Water ☐ Restrictive Layer ☒ Bedrock

Observation Hole TP2 ☒ Test Pit ☐ Boring

_____" Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (Inches)

Texture	Consistency	Color	Mottling
COBBLY SANDY LOAM	FRIABLE	DARK BROWN	
BEDROCK			

Soil Profile	Classification Condition	Slope	Limiting Factor	
2	A	____ %	22"	☐ Ground Water ☐ Restrictive Layer ☒ Bedrock

Albert Frick
Site Evaluator Signature

163
SE#

6/12/92
Date

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

Town, City, Plantation	Street, Road, Subdivision	Owners Name
PORTLAND PEAKS ISLAND	SEASHORE AVENUE	MALICHIO, LINDA & JOE

SOIL DESCRIPTION AND CLASSIFICATION

Observation Hole TP3 ☒ Test Pit ☐ Boring

" Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (Inches)

Texture	Consistency	Color	Mottling
SANDY LOAM	FRIABLE	DARK BROWN / STRONG BROWN	
BEDROCK			

Soil Profile	Classification Condition	Slope	Limiting Factor	
2	A	____ %	20	☐ Ground Water ☐ Restrictive Layer ☒ Bedrock

Observation Hole TP4 ☒ Test Pit ☐ Boring

" Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (Inches)

Texture	Consistency	Color	Mottling
SANDY LOAM			
BEDROCK			

Soil Profile	Classification Condition	Slope	Limiting Factor	
2	A	____ %	10	☐ Ground Water ☐ Restrictive Layer ☒ Bedrock

SOIL DESCRIPTION AND CLASSIFICATION

Observation Hole TP5 ☒ Test Pit ☐ Boring

" Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (Inches)

Texture	Consistency	Color	Mottling
BEDROCK			

Soil Profile	Classification Condition	Slope	Limiting Factor	
2	A	____ %	10	☐ Ground Water ☐ Restrictive Layer ☒ Bedrock

Observation Hole TP6 ☒ Test Pit ☐ Boring

" Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (Inches)

Texture	Consistency	Color	Mottling
SANDY LOAM	FRIABLE	DARK BROWN / STRONG BROWN	
BEDROCK			

Soil Profile	Classification Condition	Slope	Limiting Factor	
2	A	____ %	18"-19"	☐ Ground Water ☐ Restrictive Layer ☒ Bedrock

Albert Frick — Site Evaluator
163 — SE#
6/12/92 — Date

Albert Frick Associates, Inc.
Soil Scientists & Site Evaluators
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(207) 839-5563

Town, City, Plantation	Street, Road, Subdivision	Owners Name
PORTLAND	PEAKS ISLAND, SEASHORE AVENUE	MALICHIO, LINDA & JOE

SOIL DESCRIPTION AND CLASSIFICATION

Observation Hole TP7 ☒ Test Pit ☐ Boring

_____" Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (Inches)

	Texture	Consistency	Color	Mottling
0–6	SANDY LOAM	FRIABLE	DARK BROWN	
6–10				
10–15				
15–20				
20–30	BEDROCK			
30–40				
40–50				

Soil	Classification	Slope	Limiting Factor	
2 (Profile)	A (Condition)	_____ %	24"	☐ Ground Water ☐ Restrictive Layer ☒ Bedrock

Observation Hole _____ ☐ Test Pit ☐ Boring

_____" Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (Inches)

	Texture	Consistency	Color	Mottling
0–50				

Soil	Classification	Slope	Limiting Factor	
(Profile)	(Condition)	_____ %	_____	☐ Ground Water ☐ Restrictive Layer ☐ Bedrock

SOIL DESCRIPTION AND CLASSIFICATION

Observation Hole _____ ☐ Test Pit ☐ Boring

_____" Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (Inches)

	Texture	Consistency	Color	Mottling
0–50				

Soil	Classification	Slope	Limiting Factor	
(Profile)	(Condition)	_____ %	_____	☐ Ground Water ☐ Restrictive Layer ☐ Bedrock

Observation Hole _____ ☐ Test Pit ☐ Boring

_____" Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (Inches)

	Texture	Consistency	Color	Mottling
0–50				

Soil	Classification	Slope	Limiting Factor	
(Profile)	(Condition)	_____ %	_____	☐ Ground Water ☐ Restrictive Layer ☐ Bedrock

Albert Frick — Site Evaluator

163 — SE#

6/12/92 — Date

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering

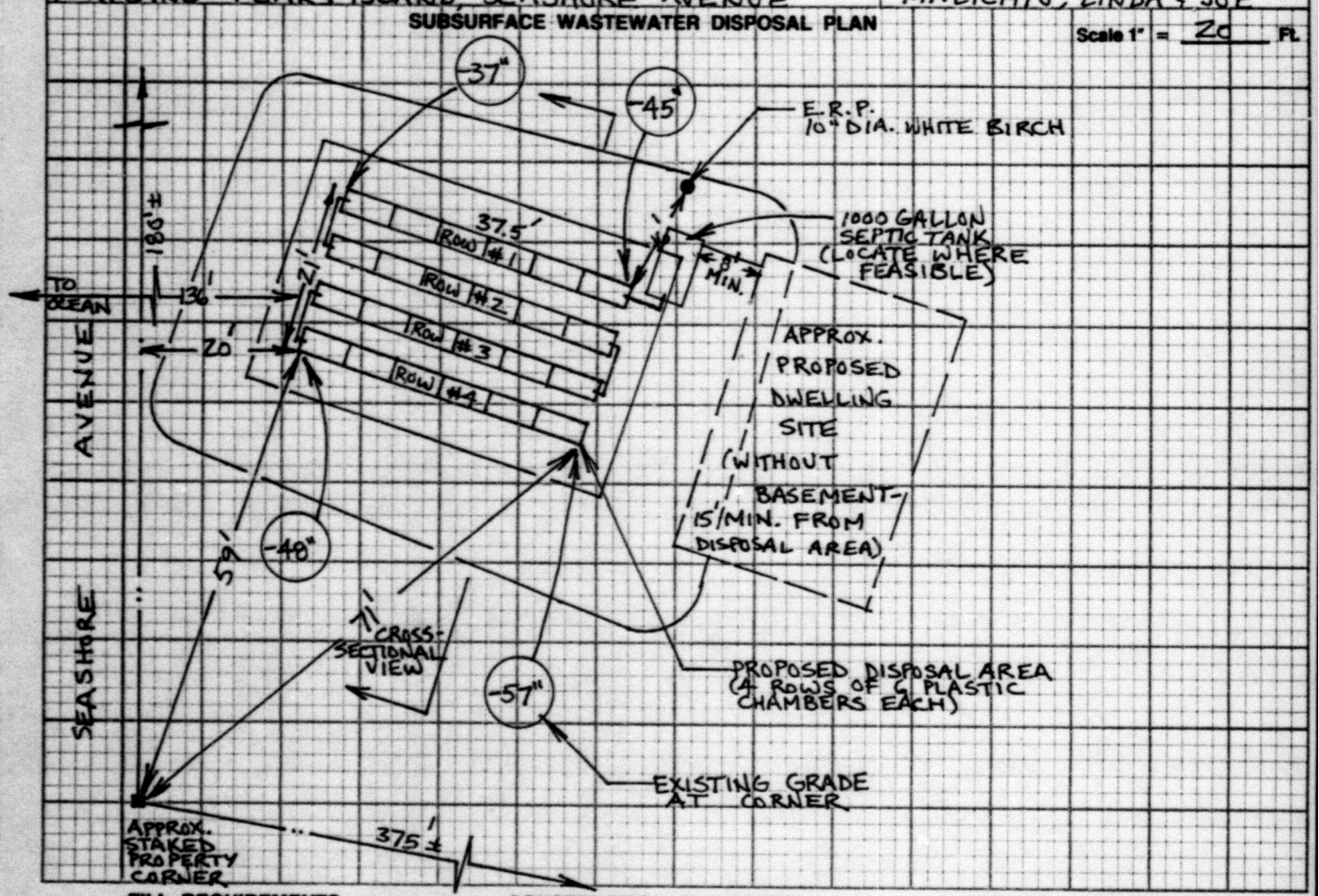
Town, City, Plantation: PORTLAND

Street, Road, Subdivision: PEAKS ISLAND, SEASHORE AVENUE

Owners Name: MALICHIO, LINDA & JOE

SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale 1" = 20 Ft.



FILL REQUIREMENTS

Depth of Fill (Upslope): 31"-39"

Depth of Fill (Downslope): 33"-42"

CONSTRUCTION ELEVATIONS

Reference Elevation is

Bottom of Disposal Area

Top of Distribution Lines or Chambers

00 SEE DETAIL BELOW

ELEVATION REFERENCE POINT LOCATION & DESCRIPTION

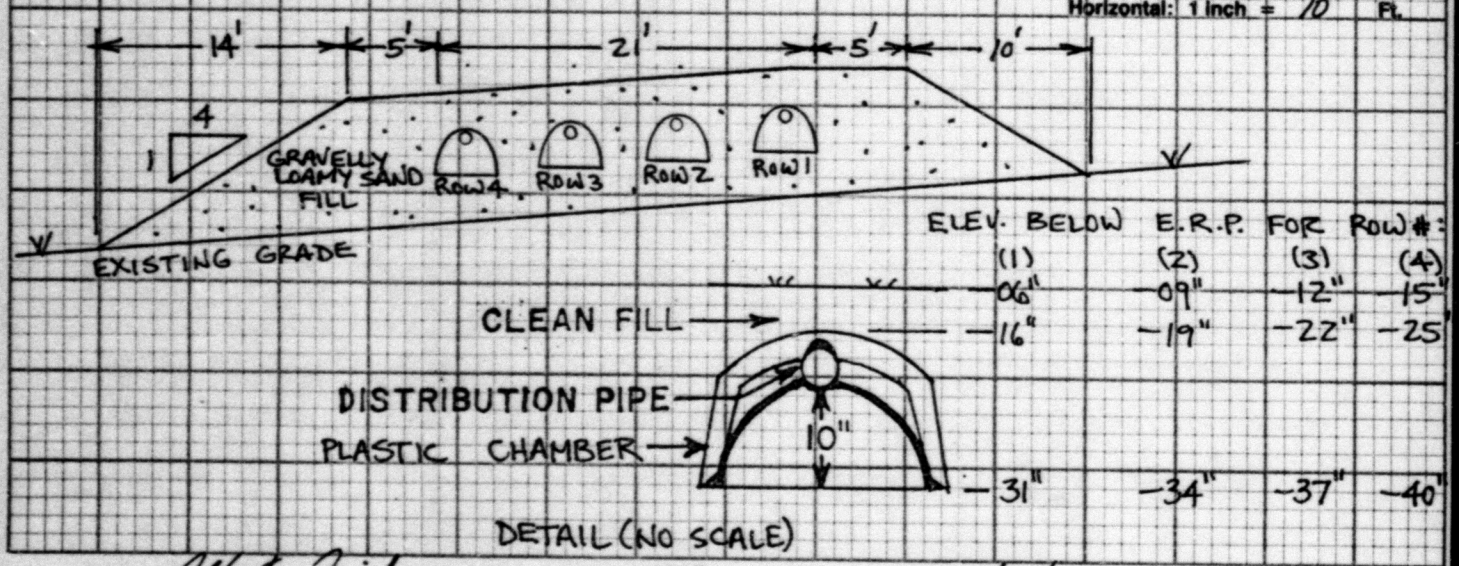
NAIL IN 10" DIA. WHITE BIRCH 44" ABOVE BASE OF TREE.

DISPOSAL AREA CROSS SECTION

Scale:

Vertical: 1 inch = 5 Ft.

Horizontal: 1 inch = 10 Ft.



DETAIL (NO SCALE)

Albert Frick
Site Evaluator Signature

163
SE#

6/12/92
Date

Albert Frick Associates, Inc.
Soil Scientists & Site Evaluators
95A County Road Gorham, Maine 04038
(207) 839-5563 FAX (207) 839-5564

Albert Frick SS, SE
James Logan SS, SE
Matthew Logan SE

PORTLAND — PEAKS ISLAND, SEASHORE AVENUE — MALICHIO, LINDA & JOE
TOWN — LOCATION — APPLICANT'S NAME

1) The most recent revision of the State of Maine, Subsurface Wastewater Disposal Rules, is hereby made a part of this application and shall be consulted by the owner/applicant and the system installer for further construction details and material specifications. The contractor or subcontractor should contact **Albert Frick Associates**, 839-5563, if there are any questions concerning materials, procedures or designs. The contractor installing the system is responsible for knowledge of the State of Maine, Subsurface Wastewater Disposal Rules as it pertains to permits, inspection requirements, building drains and sewers, treatment tanks, wastewater application details and construction details sections (3,4,8,9,10 and 11D).

2) This application is intended to represent facts pertinent to the State of Maine, Subsurface Disposal Rules only. **It shall be the responsibility of the owner or applicant to determine compliance with and obtain permits under all local, state and federal land-use regulations (i.e., DEP Natural Resources Protection Act, wetland regulations, zoning ordinances, subdivision regulations, etc.) before installing this system or considering this a buildable lot.** A wetland scientist may be consulted regarding wetland regulations or you may contact the Army Corp of Engineering at 623-8367 or DEP at 289-2111.

The LPI shall inform the owner and designer of any local ordinances exceeding the State of Maine, Subsurface Wastewater Disposal Rules in order that the design may be amended. All designs are subject to review by local, State or federal authority. Designer's liability shall be limited to revisions required by regulatory agencies.

3) All information shown on this form relating to property lines, well locations, and subsurface structures (utility lines, drains, septic systems, water lines, etc.) are shown or left off as not affecting the proposed system based on information provided by the owner or applicant. The owner shall review this application prior to the start of construction and confirm this information.

4) Installation of a garbage grinder is not recommended. If one is installed, an additional 1000 gallon septic tank 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 chlorine (i.e. from water treatment, and controlled or hazardous substances) shall not be disposed of in this system.

6) The septic tank should be pumped within two years of installation and subsequently as recommended by the pump service but not to exceed one pump per three year period.

ATTACHMENT TO SUBSURFACE WASTEWATER DISPOSAL APPLICATION

PORTLAND	PEAKS ISLAND, SEASHORE AVENUE	MALICHIO LINDA & JOE
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.) ÷ # of days in period.

8) The general setback between a well and septic system serving a single family residence is 100 feet, unless the local community has a more stringent requirement. A well installed by an abutter within 100 feet of the proposed or within the required setback before the permit for the disposal system is issued may void this design.

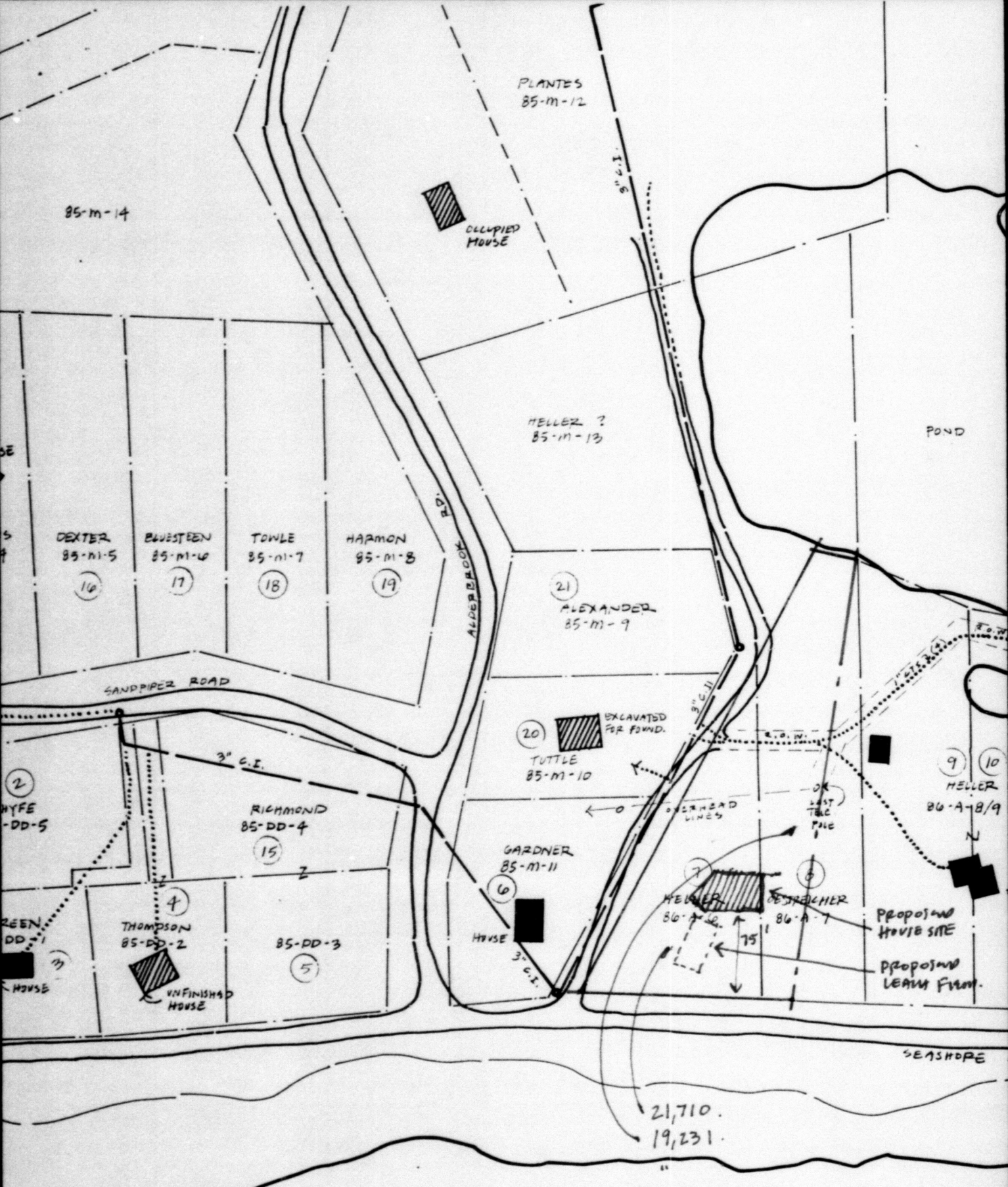
9) When a gravity system is proposed: **BEFORE CONSTRUCTION BEGINS,** the system installer or building contractor shall review the elevations of all points given in this application and the elevation of the existing and/or proposed building drain and septic tank inverts for compatibility to minimum Code slope requirements. 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 to 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 loamy sand which contains no more than 15% fines (silt and clay). Clay content shall be less than 5%.

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.



MAILING ADRESS:
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SOUTH SALEM, N.Y. 10590-9356

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