

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Dept. Health & Human Services
Div of Environmental Health, 11 SHS
(207) 287-5672 Fax: (207) 287-4172

PROPERTY LOCATION

City, Town, or Plantation: Southwest Harbor

Street or Road: 4 Salem Town Rd.

Subdivision, Lot #: _____

OWNER/APPLICANT INFORMATION

Name (last, first, MI): Davidson Gary + Jim (Owner) (Applicant)

Mailing Address of Owner/Applicant: P.O. Box 204
Southwest Harbor, Me. 04679

Daytime Tel. #: _____

>> CAUTION: LPI APPROVAL REQUIRED <<

Town/City: SOUTHWEST HARBOR Permit # 1727

Date Permit Issued: 10/25/19 Fee: \$ 270.00 Double Fee Charged ()

John Davidson L.P.I. # 960
Local Plumbing Inspector Signature

Owner in Town or State

The Subsurface Wastewater Disposal System shall not be installed until a Permit is issued by the Local Plumbing Inspector. The Permit shall authorize the owner or installer to install the disposal system in accordance with this application and the Maine Subsurface Wastewater Disposal Rules.

Municipal Tax Map # 12 Lot # 40

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 or 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 Application.

John Davidson (1st) date approved 10/25/19
Local Plumbing Inspector Signature (2nd) date approved _____

PERMIT INFORMATION

TYPE OF APPLICATION

1. First Time System
 2. Replacement System
Type replaced: _____
Year installed: _____

3. Expanded System
a. 50% Expansion
b. >25% Expansion

4. Experimental System
 5. Seasonal Conversion

THIS APPLICATION REQUIRES

1. No Rule Variance
 2. First Time System Variance
a. Local Plumbing Inspector Approval
b. State & Local Plumbing Inspector Approval

3. Replacement System Variance
a. Local Plumbing Inspector Approval
b. State & Local Plumbing Inspector Approval

4. Minimum Lot Size Variance
 5. Seasonal Conversion Permit

DISPOSAL SYSTEM TO SERVE

1. Single Family Dwelling Unit, No. of Bedrooms: 3
 2. Multiple Family Dwelling, No. of Units: _____
 3. Other: _____ (specify)

Current Use Seasonal Year Round Undeveloped

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. Holding Tank, _____ gallons
 6. Non-engineered Disposal Field (_____)

7. Separated Laundry System
 8. Complete Engineered System (2000 gpd or more)
 9. Engineered Treatment Tank (only)
 10. Engineered Disposal Field (only)
 11. Pre-treatment, specify: _____
 12. Miscellaneous Components PUMP

SIZE OF PROPERTY

+1 SQ. FT. ACRES

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 Existing
a. Regular b. Low Profile
 2. Plastic
 3. Other: _____
CAPACITY: 1800 GAL

DISPOSAL FIELD TYPE & SIZE

1. Stone Bed ; 2. Stone Trench
 3. Proprietary Device
a. cluster array c. Linear
b. regular load d. H-20 load
 4. Other: _____
SIZE: 1152 sq. ft. lin. ft.

GARBAGE DISPOSAL UNIT

1. No 2. Yes 3. Maybe
If Yes or Maybe, specify one below:
 a. multi-compartment tank
 b. _____ tanks in series
 c. Increase in tank capacity
 d. Filter on Tank Outlet

EFFLUENT/EJECTOR PUMP

1. Not Required
 2. May Be Required
 3. Required
Specify only for engineered systems:
DOSE: _____ gallons

DESIGN FLOW

270 gallons per day
BASED ON:
 1. Table 4A (dwelling unit(s))
 2. Table 4C (other facilities)
SHOW CALCULATIONS for other facilities

3. Section 4G (meter readings)
ATTACH WATER METER DATA

SOIL DATA & DESIGN CLASS

PROFILE CONDITION: 3, C
at Observation Hole # 1
Depth 18"
of Most Limiting Soil Factor

DISPOSAL FIELD SIZING

1. Medium—2.6 sq. ft. / gpd
 2. Medium—Large 3.9 sq. ft. / gpd
 3. Large—4.1 sq. ft. / gpd
 4. Extra Large—5.0 sq. ft. / gpd

LATITUDE AND LONGITUDE

at center of disposal area
Lat: 44 d 17 m 36.9 s
Lon: 068 d 20 m 36.8 s
if g.p.s. state margin of error: ±30'

SITE EVALUATOR STATEMENT

I certify that on 8-22-19 (date) I completed a site evaluation on this property and state that the data reported are accurate and that the proposed system is in compliance with the State of Maine Subsurface Wastewater Disposal Rules (10-144A CMR 241).

Robert G. Vile Jr. Site Evaluator Signature
Robert G. Vile Jr. Site Evaluator Name (Printed)

204 SE # 8-22-19 Date
234-2451 Telephone Number robertvilesoilconsultant@ E-mail Address gmail.com

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering
(207) 287-3872 FAX (207) 287-4172

Town, City, Plantation

Southwest Harbor

Street, Road Subdivision

4 Salem Town Rd.

Owner's Name

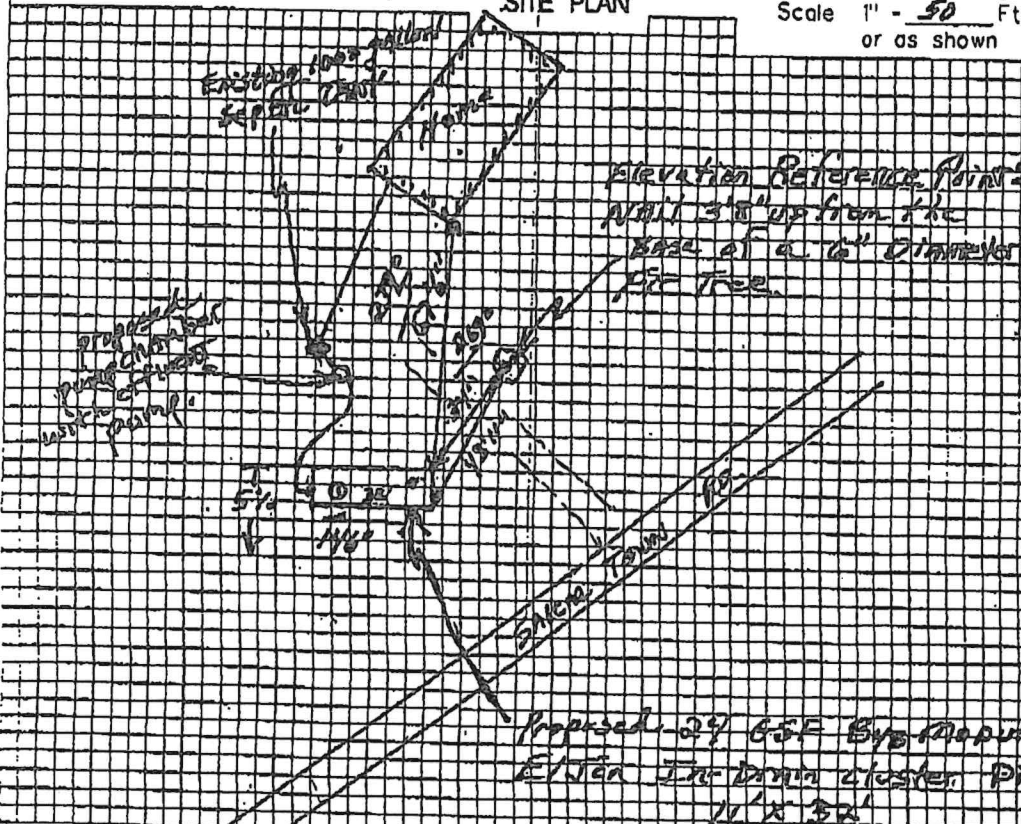
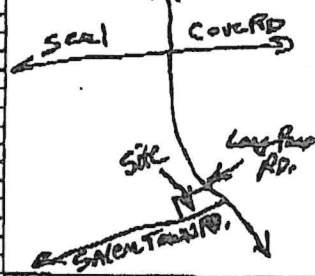
Kary + Jim Davidson

SITE PLAN

Scale 1" = 50 Ft.
or as shown

SITE LOCATION PLAN

(Map from Maine Atlas recommended)



SOIL DESCRIPTION AND CLASSIFICATION

(Location of Observation Holes Shown Above)

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

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

Texture	Consistency	Color	Mottling
gravelly		DRY Yellowish Brown	
SANDY Loam	Friable	Strong Brown	None
		Yellowish Brown	Common Faint
Fine SANDY Loam	Firm	Light Olive Brown	Common Distinct

Texture	Consistency	Color	Mottling
<p>NOTE: ALL PERMITS AND OR NOTIFICATIONS REQUIRED PRIOR TO CONSTRUCTION ARE THE RESPONSIBILITY OF THE OWNER.</p>			

Soil Classification: **3 C**
 Profile: **3** Condition: **C**
 Slope: **5** %
 Limiting Factor: **18**"
 Ground Water
 Restrictive Layer
 Bedrock
 Pit Depth

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Robert G. Giddis
Site Evaluator Signature

204
SE

8-22-19
Date

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Department of Human Services
Division of Health Engineering
(207) 287-5672 FAX (207) 287-6172

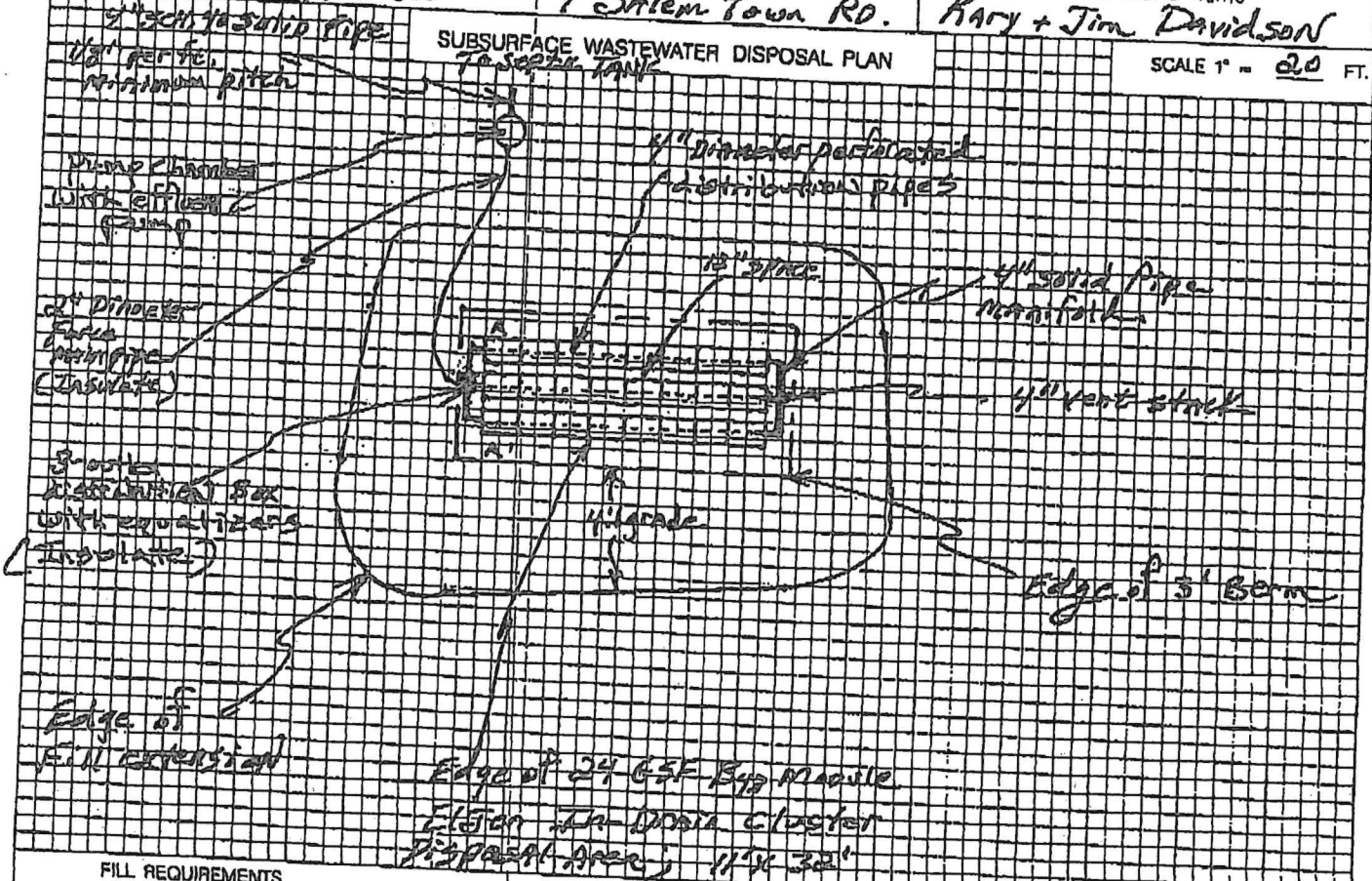
Town, City, Plantation
Southwest Harbor

Street, Road, Subdivision
1/2 Salem Town Rd.

Owner's Name
Kary + Jim Davidson

SUBSURFACE WASTEWATER DISPOSAL PLAN

SCALE 1" = 20 FT.



FILL REQUIREMENTS

Depth of Fill (Upslope) **18" A**
Depth of Fill (Downslope) **23"-27" A'**

CONSTRUCTION ELEVATIONS

Finished Grade Elevation = **45"**
Top of Distribution Pipe = **56"**
Bottom of Disposal Area = **67"**

ELEVATION REFERENCE POINT

Location & Description **Nail 44"**
up in 6" Fir Tree.
Reference Elevation = **0"**

DISPOSAL AREA CROSS SECTION

SCALE:
VERTICAL: 1" = 1'
HORIZONTAL: 1" = 1'

(SEE ATTACHED CROSS SECTION)
A ————— A'

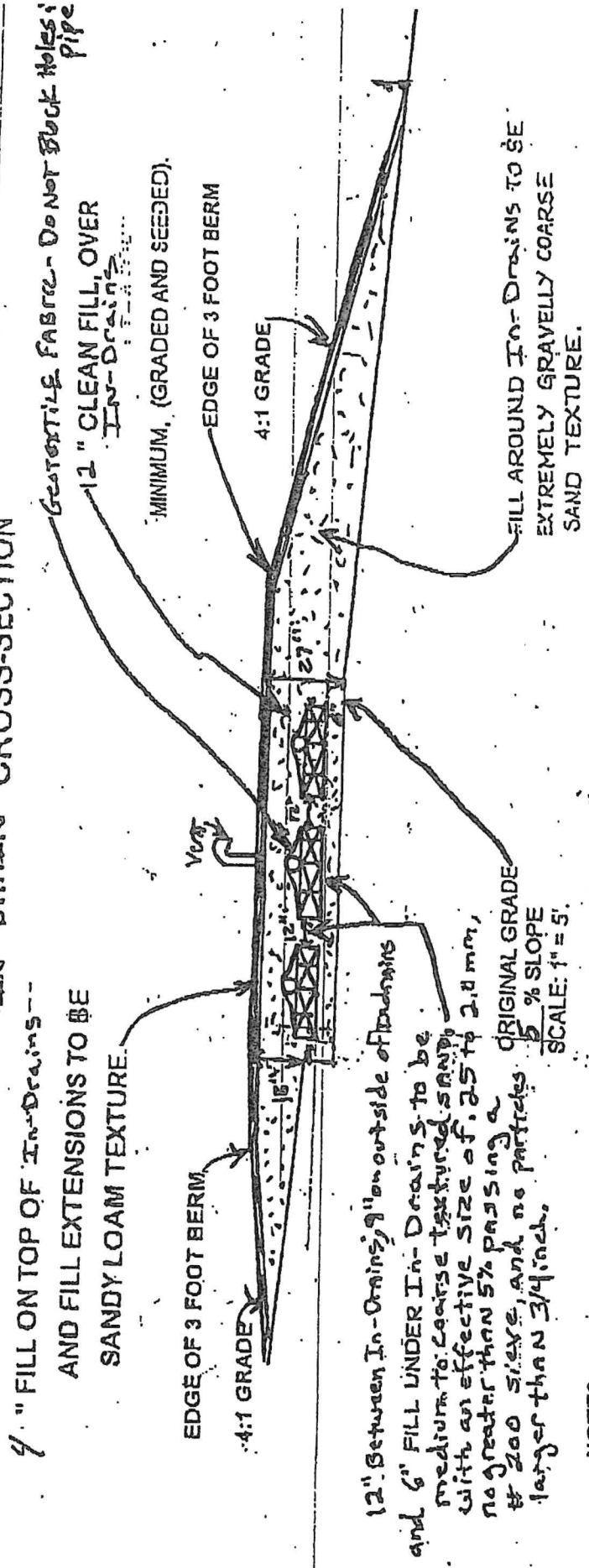
Robert [Signature]
Site Evaluator Signature

204
SE

8-22-19
Date

A ← 11' → A'

IN- DRAIN CROSS-SECTION



NOTES:

1. REMOVE VEGETATION AND SCARIFY ORIGINAL SOIL UNDER IN-Drains AND FILL EXTENSIONS.
2. BOTTOM OF In-Drains TO BE LEVEL WITH A MAXIMUM GRADE TOLERANCE OF 1" PER 100'.
3. PROVIDE FOR SURFACE DRAINAGE AWAY FROM In-Drain AREA.
4. FINISHED GRADE SHALL BE SEEDED AND MULCHED TO PREVENT EROSION.
5. MIX FILL TO BE USED UNDER In-Drains WITH TOP 4" OF ORIGINAL SOIL and Fill Extensions.

OWNER: *Boyer Jim Davidson*
 LOCATION: *1/2 Section 10, Co. 5, T11R.*
 NUMBER OF In-Drains: 24
 ELEVATIONS:
 ELEVATION REFERENCE POINT: 0"
 BOTTOM OF IN-Drains: -67"
 Top of Distribution Pipes: -56"
 Finished Grade: -45"
 SITE EVALUATOR: *Robert G. Vile Jr.*
 ROBERT G. VILE JR. # 204
 DATE: 8-22-17