

REPLACEMENT SYSTEM VARIANCE REQUEST

THE LIMITATIONS OF THE REPLACEMENT SYSTEM VARIANCE REQUEST

This form must be attached to an application (HHE-200) for any replacement system which requires a variance to the Rules. The LPI shall review the Replacement System Variance Request and HHE-200 and may approve the Request, if all of the following requirements are met.

1. The proposed design meets the definition of a Replacement System as defined in the Rules (Sec. 1906.0).
2. The replacement system is determined by the Site Evaluator and LPI to be the most practical method to treat and dispose of the wastewater.
3. The BOD5 plus S.S. content of the wastewater is no greater than that of normal domestic effluent.

<u>GENERAL INFORMATION</u>	Town of <u>LAMOINE</u>
Permit No. _____	Date Permit Issued _____
Property Owner's Name: <u>STEWART WORKMAN</u>	Tel. No.: <u>(202) 667-7427</u>
System's Location: <u>DOUGLAS HIGHWAY</u>	
Property Owner's Address: <u>358 DOUGLAS HIGHWAY - LAMOINE, ME. 04605</u>	
(if different from above) _____	

SPECIFIC INSTRUCTIONS TO THE:
LOCAL PLUMBING INSPECTOR (LPI):
If any of the variances exceed your approval authority and/or do not meet all of the requirements listed under the Limitations Section above, then you are to send the Replacement System Variance Request, along with the Application, to the Department for review and approval consideration before issuing a Permit. (See reverse side or page 2 of this form for Comments Section and your signature).

SITE EVALUATOR:
If after completing the Application, you find that a variance for the proposed replacement system is needed, complete the Replacement Variance Request with your signature on reverse side of form or page 2 of this form.

PROPERTY OWNER:
It has been determined by the Site Evaluator that a variance to the Rules is required for the proposed replacement system. This variance request is due to physical limitations of the site and/or soil conditions. The Site Evaluator has considered the site/soil restrictions and has concluded that a replacement system in total compliance with Rules is not possible.

PROPERTY OWNER:
I understand that the proposed system requires a variance to the Rules. Should the proposed system malfunction, I release all concerned, provided they have performed their duties in a reasonable and proper manner; and I will promptly notify the Local Plumbing Inspector and make any corrections required by the Rules. By signing the variance request form, I acknowledge permission for representatives of the Department to enter onto the property to perform such duties, as may be necessary, to evaluate the variance request.

[Signature]
SIGNATURE OF OWNER

2/29/16
DATE

LOCAL PLUMBING INSPECTOR
I, Millard Billings, the undersigned, have visited the above property and have determined, to the best of my knowledge, that it cannot be installed in compliance with the Rules. As a result of my review of the Replacement Variance Request, the Application, and my on-site investigation, I approve, disapprove) the variance request based on my authority to grant this variance. Note: If the LPI does not give his approval, he shall list his reasons for denial in Comments Section below and return to the applicant.

Comments: _____

Millard Billings
LPI SIGNATURE

2/29/16
DATE

Town, City, Plantation LAMOINE	Street, Road, Subdivision DOUGLAS HIGHWAY	Owner's Name STEWART WORKMAN
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Replacement System Variance Request

VARIANCE CATEGORY							VARIANCE REQUESTED TO:	
SOILS							---	
Soil Profile	Ground Water Table						--- inches	
Soil Condition	Restrictive Layer						--- inches	
from HHE-200	Bedrock						--- inches	
SETBACK DISTANCES (In feet)	Disposals Fields			Septic Tanks			Disposal Fields	Septic Tanks
From	Less than 1000 gpd	1000 to 2000 gpd	Over 2000 gpd	Less than 1000 gpd	1000 to 2000 gpd	Over 2000 gpd	To	To
Wells with water usage of 2000 or more gpd or public water system wells	300 ft	300 ft	300 ft	150 ft	150 ft	150 ft	---	---
Private Potable Water Supply	100 ft. (a)	200 ft.	300 ft.	50 ft.	100 ft.	100 ft.	---	---
Water supply line	10 ft	20 ft	25 ft (g)	10 ft	10 ft	10 ft (g)	---	---
Water course, major	100 ft (c)	200 ft (c)	300 ft (c)	100 ft	100 ft	100 ft	---	---
Water course, minor	50 ft (d)	100 ft (d)	150 ft (d)	50 ft (d)	50 ft (d)	50 ft (d)	---	---
Drainage ditches	25 ft	50 ft	75 ft	25 ft	25 ft	25 ft	---	12'
Edge of fill extension - Coastal wetlands, special freshwater wetlands, great ponds, rivers, streams	25 ft (d)	25 ft (d)	25 ft (d)	25 ft (d)	25 ft (d)	25 ft (d)	---	---
Slopes grater than 3:1	10 ft (f)	18 ft (f)	25 ft (f)	N/A	N/A	N/A	---	---
No full basement (e.g. slab, frost wall, columns)	15 ft	30 ft	40 ft	8 ft	14 ft	20 ft	---	---
Full basement (below grade foundation)	20 ft	30 ft	40 ft	8.5 ft	14 ft	20 ft	---	---
Property lines	10 ft (b)	18 ft (b)	20 ft (b)	10 ft (b)	15 ft (b)	20 ft (b)	---	---
Burial sites or graveyards, measured from the down toe of the fill extension	25 ft	25 ft	25 ft	25 ft	25 ft	25 ft	---	---

OTHER

1. ~~Fill extension Grade to 3:1~~ _____
2. _____
3. _____

Footnotes: (a.) Private Potable water Supply setbacks may be reduced as prescribed in Chapter 7.
 (b.) Additional setbacks may be needed to prevent fill material extentions from encroaching onto abutting property.
 (c.) Additional setbacks may be required by local Shoreland zoning.
 (d.) Natural Resource Protection Act requires a 25 feet setback, on slopes of less than 20%, from the edge of soil disturbance and 100 feet on slopes greater than 20%. See Chapter 15.
 (e.) May not be any closer to a private potable water supply than the existing disposal field or septic tank. This setback may be reduced for single family houses with Department approval. See Section 702.3.
 (f.) The fill extension shall reach the existing ground before the 3:1 slope or within 100 feet of the disposal field.
 (g.) See Section 1402.8 for special procedures, when these minimum setbacks cannot be achieved.

 #319
 SITE EVALUATOR'S SIGNATURE

6-5-10
 DATE

FOR USE BY THE DEPARTMENT ONLY

The Department has reviewed the variance(s) and (does does not) give its approval. Any additional requirements, recommendations, or reasons for the Variance denial, are given in the attached letter.

 SIGNATURE OF THE DEPARTMENT

 DATE

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Dept. of Health & Human Services
 Division of Environmental Health, SHS 11
 (207) 287-5338 FAX (207) 287-3165

PROPERTY LOCATION

City, Town, or Plantation: LAMOINE

Street or Road: DOUGLAS HIGHWAY

Subdivision, Lot #:

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

TOWN OF LAMOINE

OWNER/APPLICANT INFORMATION

Name (last, first, MI): WORKMAN, STEWART Owner Applicant

Mailing Address of: 358 DOUGLAS HIGHWAY
LAMOINE, ME. 04605

Daytime Tel. #: (207) 667-7427

Th Pe au wit

1788 PERMIT # STATE TOWN COPY

Town Date 2-29-16 FEE \$ 285.00 Dbl Fee

LPI M. Maud Bellamy L.P.I. # 820

stalled until a The Permit shall in accordance isposal Rules.

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: [Signature] Date: 2/29/16

Caution: Inspection Required

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

Municipal Tax Map # 9 Lot # 14

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

PERMIT INFORMATION

TYPE OF APPLICATION

1. First Time System

2. Replacement System
 Type Replaced: TRENCH

Year Installed: 1970's

3. Expanded System

a. Minor Expansion

b. Major Expansion

4. Experimental System

5. Seasonal Conversion

SIZE OF PROPERTY

25± sq. ft. acres

SHORELAND ZONING

Yes No

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: 2

2. Multiple Family Dwelling, No. of Units: _____

3. Other: (SPECIFY) _____

Current Use: Seasonal Year Round Undeveloped

DISPOSAL SYSTEM COMPONENT(S)

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 (only)

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

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: W/LET STATION

CAPACITY 1000 gallons

SOIL DATA & DESIGN CLASS PROFILE CONDITION DESIGN

1 I, D, II, 1 3

at Observation Hole # 1

Depth 12" Elevation _____

OF MOST LIMITING SOIL FACTOR

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 800 sq. ft. sq. ft. lin. ft.

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

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

180 gallons per day

BASED ON

1. Table 501.1 (dwelling unit(s))

2. Table 502.2 (other facilities)

SHOW CALCULATIONS for other facilities

3. Section 503.0 (meter readings)

ATTACH WATER-METER DATA

LATITUDE AND LONGITUDE at Center of Disposal Area

Lat. 44° 30' 51" N

Lon. 68° 21' 44" W

if GPS, state margin of error 30'

SITE EVALUATOR STATEMENT

I certify that on 5-22-10 (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)

Site Evaluator Signature: [Signature] SE#: 319 Date: 6-5-10

WILLIAM A. LaBELLE, JR. (207) 537-5900 labelleseptic@rivah.net

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

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Dept. of Health & Human Services
Division of Environmental Health
(207) 287-5338 FAX (207) 287-3165

Town, City, Plantation
LAMOINE

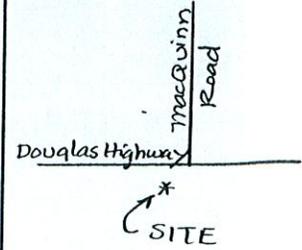
Street, Road, Subdivision
DOUGLAS HIGHWAY

Owner or Applicant Name
STEWART WORKMAN

SITE PLAN

Scale 1" = 40 Ft.

SITE LOCATION PLAN
(Attach map from Maine Atlas
for First Time System Variance)



(SEE ATTACHED SITE PLAN)

SOIL PROFILE DESCRIPTION AND CLASSIFICATION (Location of Observation Holes Shown Above or on pg. 2A)

Observation Hole #1 Test Pit Boring

1/2 " Depth of organic horizon above mineral soil

Texture	Consistency	Color	Mottling
SANDY LOAM TO LOAM	FRIABLE	DARK OLIVE BROWN	N.E.
		OLIVE TO PALE BROWN	COMMON DISTINCT

Soil Profile 1 Classification D, II Slope 3 % Limiting Factor 12 " Depth

Ground Water
 Restrictive Layer
 Bedrock
 Pit Depth

Observation Hole #2 Test Pit Boring

1/2 " Depth of organic horizon above mineral soil

Texture	Consistency	Color	Mottling
SANDY LOAM TO LOAMY SAND	FRIABLE FIRM IN PLACE	BLACK YELLOW BROWN	N.E.
		PALE OLIVE	COMMON DISTINCT

Soil Profile 3 Classification C Slope 3 % Limiting Factor 16 " Depth

Ground Water
 Restrictive Layer
 Bedrock
 Pit Depth

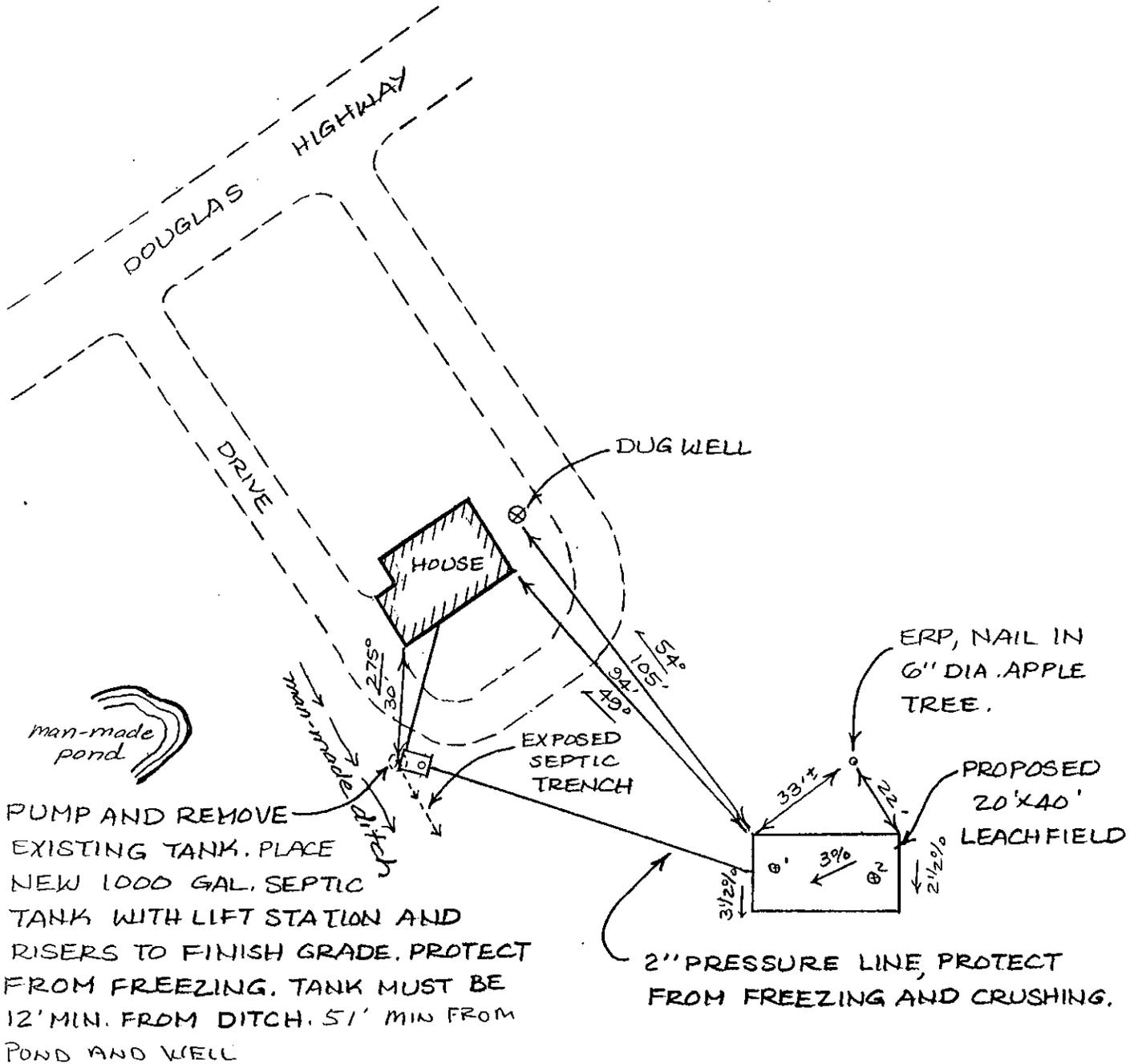
W. A. 207
Site Evaluator's Signature

319
S. E. #

6-5-10
Date

SITE PLAN:

SCALE: 1" = 40 FT.



PUMP AND REMOVE EXISTING TANK. PLACE NEW 1000 GAL. SEPTIC TANK WITH LIFT STATION AND RISERS TO FINISH GRADE. PROTECT FROM FREEZING. TANK MUST BE 12' MIN. FROM DITCH. 51' MIN FROM POND AND WELL

2" PRESSURE LINE, PROTECT FROM FREEZING AND CRUSHING.

W. C. 2013
Site Evaluator's Signature

319
S.E. #

6-5-10
Date

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Dept. of Health & Human Services
Division of Environmental Health
(207) 287-5338 FAX (207) 287-3185

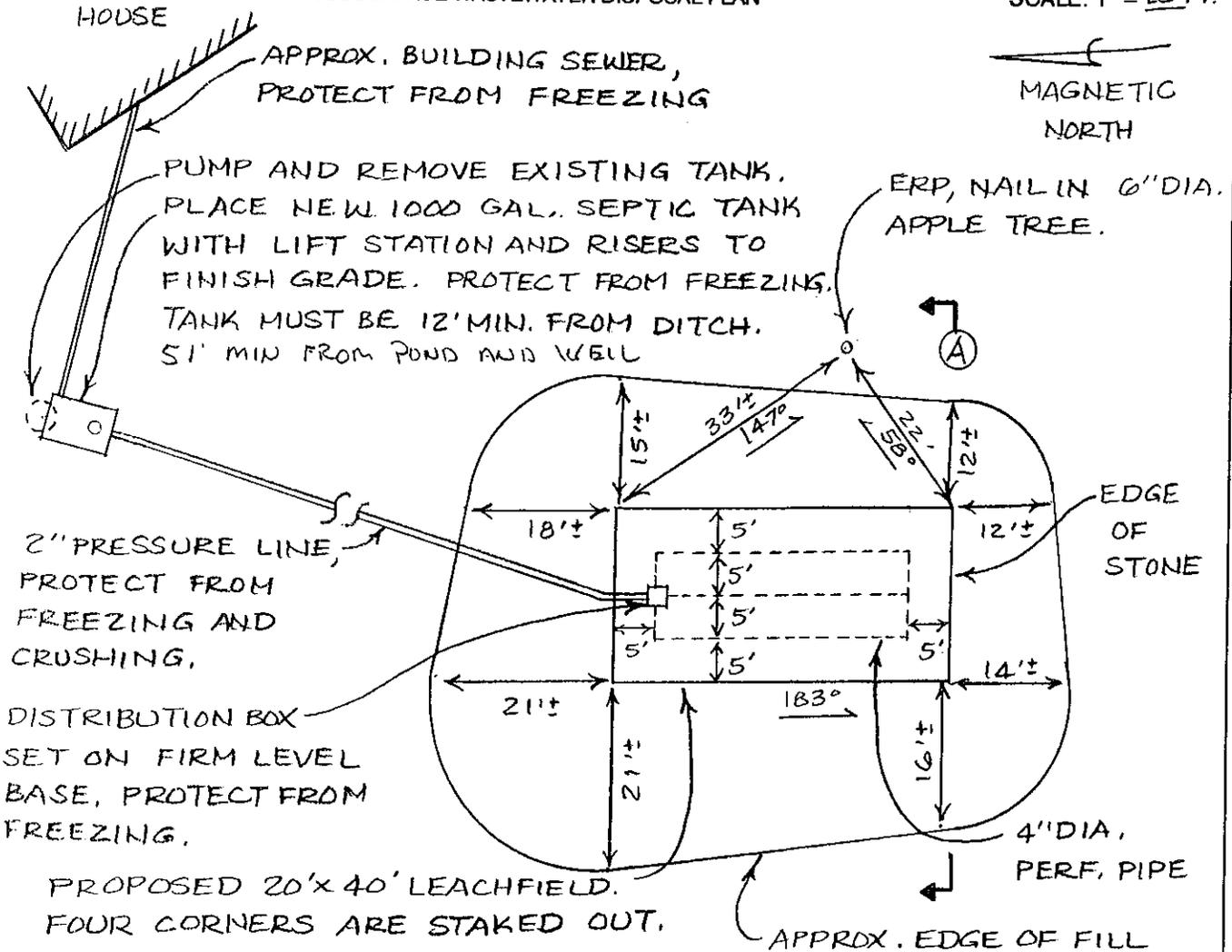
Town, City, Plantation
LAMOINE

Street, Road, Subdivision
DOUGLAS HIGHWAY

Owner or Applicant Name
STEWART WORKMAN

SUBSURFACE WASTEWATER DISPOSAL PLAN

SCALE: 1" = 20 FT.



FILL REQUIREMENTS	CONSTRUCTION ELEVATIONS	SYSTEM	PRIVY	ELEVATION REFERENCE POINT
Depth of Backfill (Upslope) <u>30"-40"</u>	Finished Grade Elevation	<u>-36"</u>		Location & Description <u>NAIL 35"</u>
Depth of Backfill (Downslope) <u>36"-48"</u>	Top of Distribution Pipe or Proprietary Device	<u>-49"</u>	<u>N/A</u>	<u>ABOVE GROUND IN 6" DIA.</u>
Depths @ cross-section shown below or on X-sec. detail.	Bottom of Disposal Field	<u>-60"</u>		<u>APPLE TREE.</u> Reference Elevation is: <u>0"</u>

DISPOSAL AREA CROSS SECTION (SEE ATTACHED CROSS SECTION)

NOTE:

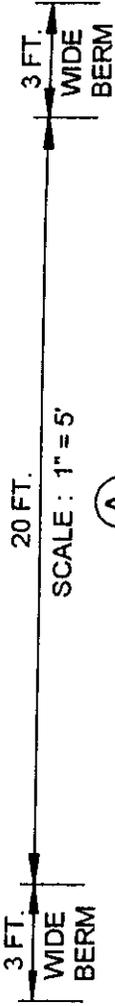
GRADE SURROUNDING AREA TO DIVERT
SURFACE WATER AWAY FROM SYSTEM.

W.C. 2c73
Site Evaluator's Signature

319
S.E. #

6-5-10
Date

DISPOSAL BED CROSS SECTION



(A)

FILL MATERIAL SHALL BE 8"-12" THICK OVER STONE AND SHALL BE GRAVELLY COARSE SAND TO THE STANDARDS IN SEC. 804.0 IN THE SUBSURFACE RULES.

TOP 4" OF FILL TO BE A GOOD LOAM SOIL MIX TO ESTABLISH A GOOD VEGETATIVE COVER; SEED AND MULCH TO PREVENT EROSION. FILL EXTENSIONS NO GREATER THAN 4:1, (25% SLOPE).

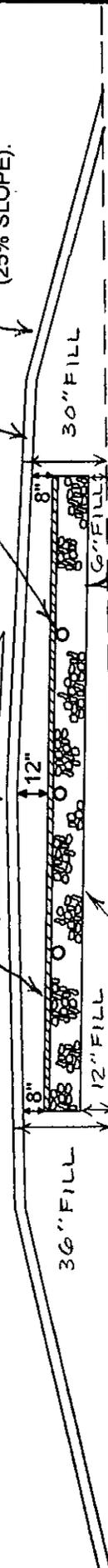
CROWN FINISH GRADE FROM CENTER AT 3% SLOPE

2" COMPRESSED HAY (OR FILTER FABRIC) SEC. 805.3 RECOMMENDED OVER STONE.

4" PERF. PIPE, TYPICAL

3%

3%



REMOVE VEGETATION AND SCARIFY ORIGINAL SOIL UNDER ENTIRE FILL AREA.

BOTTOM OF STONE MUST BE LEVEL WITH MAXIMUM GRADE TOLERANCE OF 2" PER 100'.

THOROUGHLY MIX, DISK OR ROTO-TILL CLEAN, COARSE, SHARP SAND INTO TOP 4 INCHES OF ORIGINAL SOIL TO CREATE A TRANSITION ZONE.

ELEVATIONS:

ELEV. REF. PT. (ERP):	0"
FINISHED GRADE:	-36"
TOP OF DISTRIBUTION PIPE:	-49"
BOTTOM OF STONE:	-60"

SYSTEM MUST BE INSTALLED ACCORDING TO THE RULES AND PRACTICES SET FORTH IN THE SUBSURFACE WASTEWATER RULES, IN EFFECT AT THIS TIME.

OWNER: STEWART WORKMAN
 LOCATION: LAMOINE

S.E.# 319
 DATE 6-5-10

William A. Labelle, Jr.
 WILLIAM A. LABELLE, JR.