REPLACEMENT SYSTEM VARIANCE REQUEST

Town Copy

THE LIMITATIONS OF THE REPLACEMENT SYSTEM VARIANCE REQUEST

This form shall be attached to an application (HHE-200) for the proposed replacement system which requires a variance to the Rules. The LPI shall review the Replacement System Variance Request on HHE-200 and may approve the Request if all of the following requirements can be met, and the variance(s) requested fall within the limits of LPI's authority.

1. The proposed design meets the definition of a Replacement System as defined in the Rules (Sec. 1903)
2. There will be no change in use of the structure except as authorized for one-time exempted expansions outside the shoreland zone of major waterbodies/courses.
3. The replacement system is determined by the Site Evaluator and LPI to be the most practical method to treat and dispose of the wastewater.
4. The BOD_5 plus S.S. content of the wastewater is no greater than that of normal domestic effluent.

GENERAL INFORMATION

Town of AUGUSTA

Permit No. 4729

Date Permit Issued 8/20/01

Property Owner's Name: RICHARD & NANCY BILODEAU Tel. No.: 377-6883

System's Location: LEAVITT RD, AUGUSTA

Property Owner's Address: 810 STURTEVANT HILL ROAD

(If different from above) WINTHROP, ME 04364

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 this Replacement System Variance Request, along with the Application, to the Department for review and approval consideration before issuing a Permit. (See reverse side 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.

PROPERTY OWNER:

If 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. Both the Site Evaluator and the LPI have considered the site/soil restrictions and have concluded that a replacement system in total compliance with the 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.

X Richard D. Bilodeau — SIGNATURE OF OWNER

Aug 17 / 01 — DATE

LOCAL PLUMBING INSPECTOR

I, Mary R. Luther, 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 (check and complete either a or b):

☐ a. (☐ 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. —OR—

☐ b. find that one or more of the requested Variances exceeds my approval authority as LPI. I (☐ recommend, ☐ do not recommend) the Department's approval of the variances. Note: If the LPI does not recommend the Department's approval, she shall state his reasons in Comments Section below as to why the proposed replacement system is not being recommended.

Comments:

Mary R. Luther — LPI SIGNATURE

8/20/01 — DATE

Replacement System Variance Request

VARIANCE CATEGORY	VARIANCE REQUESTED		LIMIT OF LPI'S APPROVAL AUTHORITY		VARIANCE REQUESTED TO:	
SOILS						
Soil Profile	Ground Water Table		to 7"		8 inches	
Soil Condition	Restrictive Layer		to 7"		11 inches	
from HHE-200	Bedrock		to 12"		inches	
BETBACK DISTANCES (in feet)	Disposal Fields		Septic Tanks		Disposal Fields	Septic Tanks
From	Less than 1000 gpd	1000 to 2000 gpd	Less Than 1000 gpd	1000 to 2000 gpd	To	To
Wells with water usage of 2000 or more gpd	300[a] ft	300[a] ft	100[a] ft	100[a] ft		
Owner's wells	100 down to 50 ft	200 down to 100 ft	100[b] down to 50 ft	100 down to 50 ft		
Neighbor's wells	100[b] down to 60 ft	200[b] down to 120 ft	100[b] down to 50 ft	100[b] down to 75 ft		
Water supply line	10 ft[a]	20 ft[a]	10 ft[a]	10 ft[a]		
Water course, major - for replacements only, see Table 400.4 for exempted expansions	100 down to 60 ft	200 down to 120 ft	100 down to 50 ft	100 down to 50 ft		
Water course, minor	50 down to 25 ft	100 down to 50 ft	50 down to 25 ft	50 down to 25 ft		
Drainage ditches	25 down to 12 ft	50 down to 25 ft	25 down to 12 ft	25 down to 12 ft		
Coastal wetlands, special freshwater wetlands, great ponds, rivers, streams (edge of fill extension)	25 ft[d]	25 ft[d]	25 ft[d]	25 ft[d]		
Slopes greater than 3:1	10 ft	18 ft	N/A	N/A		
No full basement [e.g. slab, frost wall, columns]	15 down to 7 ft	30 down to 15 ft	8 down to 5 ft	14 down to 7 ft		
Full basement [below grade foundation]	20 down to 10 ft	30 down to 15 ft	8 down to 5 ft	14 down to 7 ft		
Property lines	10 down to 5[c] ft	18 ft down to 9[c] ft	10 ft down to 4[c] ft	15 ft down to 7[c] ft		
Burial sites or graveyards, measured from the down toe of the fill extension	25 ft	25 ft	25 ft	25 ft		

OTHER

1. Fill extension Grade - to 3:1 O.K.
2.
3.

Footnotes:

a. This setback distance cannot be reduced by the LPI, but may be considered for reduction by State variance.
b. Written Permission from the owner of a well is required when a replacement system will be located less than 100 (or 200 ft. for 1000-2000 gpd) feet and closer to that well than the system it is replacing.
c. Sufficient distance shall be maintained to assure that the toe of the fill does not extend to the 3:1 slope or property line.
d. Natural Resources Protection Act requires a 25 foot setback on slopes with less than 20% from the edge of disturbance and 100 feet on slopes greater than 20% except for the repair or installation of a replacement system when no practical alternative exists.

John Blochlin — SITE EVALUATOR'S SIGNATURE

8/14/01 — 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 Department of Human Services
Division of Health Engineering, Station 10
(207) 287-5672 FAX (207) 287-4172

PROPERTY LOCATION

City, Town, Plantation: AUGUSTA

Street or Road: LEAVITT ROAD

Subdivision, Lot #:

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

AUGUSTA 4729 TOWN COPY

Date Permit Issued: 8/20/01 $ 100.00 ☐ If Double Fee Charged FEE

Local Plumbing Inspector Signature L.P.I. # 1850

OWNER/APPLICANT INFORMATION

Name (last, first, MI): BILODEAU, RICHARD & NANCY (Owner) Applicant

Mailing Address of ☒ Owner ☐ Applicant: 810 STURTEVANT HILL RD, WINTHROP, ME. 04364

Daytime Tel. #: 377-6883

Municipal Tax Map # 11 Lot # 179

Owner or Applicant Statement

I state 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.

Nancy Bilodeau 8-17-01

Signature of Owner or 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. 8/31/01 GRF

(1st) Date Approved

Local Plumbing Inspector Signature (2nd) Date Approved

PERMIT INFORMATION

TYPE OF APPLICATION

1. ☒ First Time System
2. ☒ Replacement System
   Type Replaced: S.T. & TRENCH
   Year Installed: 1960's
   ☐ Expanded System
   a. ☐ One-time exempted
   b. ☐ Non-exempted
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 Approval

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

SIZE OF PROPERTY

1.15 ☐ sq. ft. ☒ acres

SHORELAND ZONING

☐ Yes ☒ No

DISPOSAL SYSTEM TO SERVE

1. ☒ Single Family Dwelling Unit, No. of Bedrooms: 2
2. ☐ Multiple Family Dwelling, No. of Units:
3. ☐ Other: _____ SPECIFY

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 load d. ☐ H-20 load
4. ☐ Other:

SIZE 900 ☐ sq. ft. ☐ lin. ft.

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

200 gallons per day

BASED ON:

1. ☒ Table 501.1 (dwelling unit(s)
2. ☐ Table 501.2 (other facilities)

SHOW CALCULATIONS – for other facilities –

3. ☐ Section 503.0 (meter readings)

ATTACH WATER-METER DATA

SOIL DATA & DESIGN CLASS

PROFILE	CONDITION	DESIGN
8	D	3

at Observation Hole # 1

Depth 8" Elevation _____

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: 60-80 gallons

SITE EVALUATOR STATEMENT

I certify that on 8/14/01 (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).

John Brochu — Site Evaluator Signature

194 — SE #

8/15/01 — Date

JOHN BROCHU 623-0690

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering
(207) 287-5672 FAX (207) 287-4172

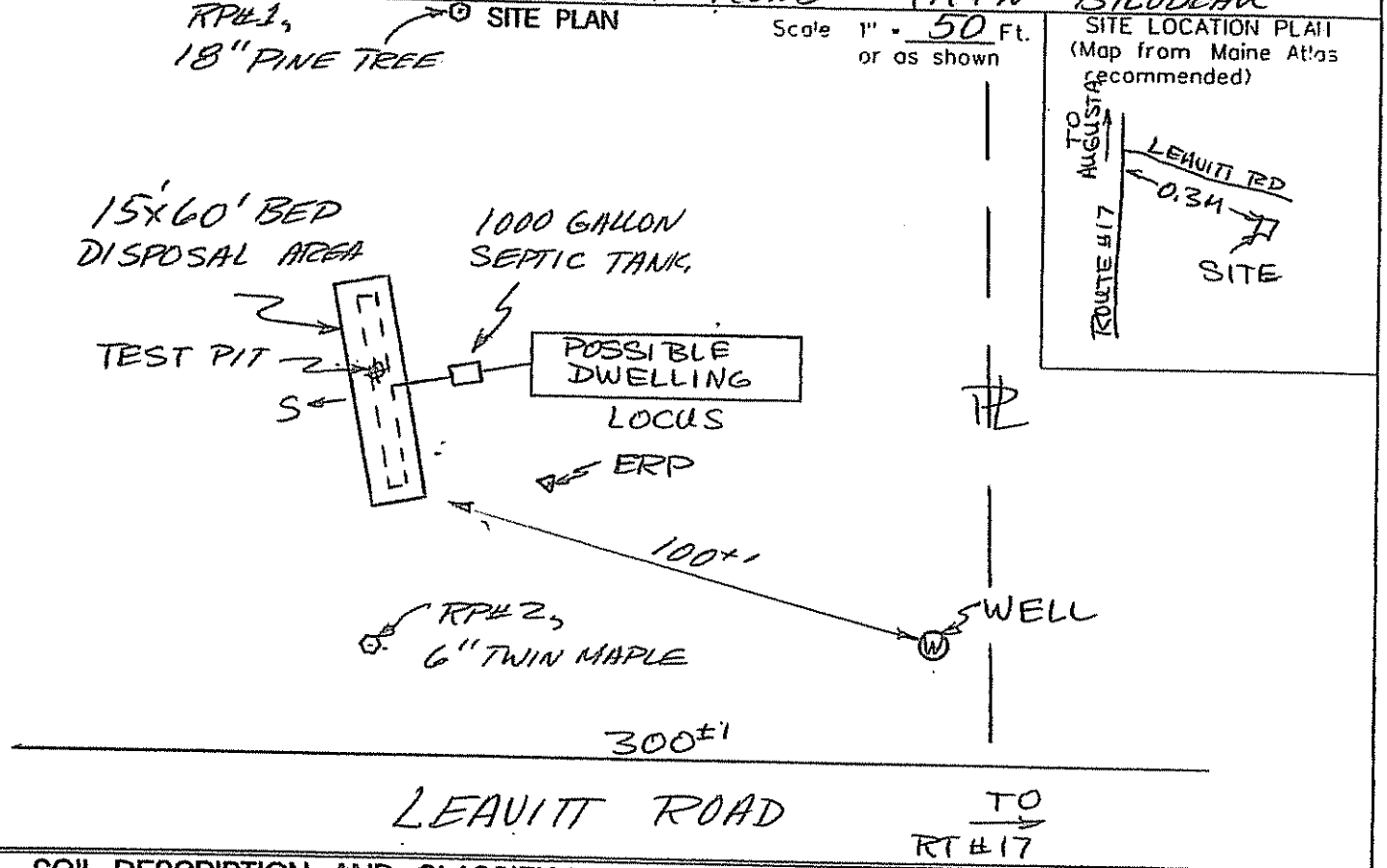
Town, City, Plantation: AUGUSTA

Street, Road, Subdivision: LEAVITT ROAD

Owner's Name: R&N BILODEAU

SITE PLAN

Scale 1" = 50 Ft. or as shown



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

Observation Hole #1 ☒ Test Pit ☐ Boring

1" Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (inches)

Depth	Texture	Consistency	Color	Mottling
0	FINE SANDY LOAM	FRIABLE	BROWN YELLOW BROWN	NONE
10		S.W. FRIABLE	LGT. OLIVE BROWN	COMMON
20	SILT LOAM	FIRM	OLIVE	DISTINCT
30			GRAY	
40				
50				

Soil Classification		Slope	Limiting Factor	
B	D	3 %	8"	☒ Ground Water ☐ Restrictive Layer ☐ Bedrock ☐ Pit Depth
Profile	Condition			

Observation Hole _____ ☐ Test Pit ☐ Boring

_____" Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (inches)

Depth	Texture	Consistency	Color	Mottling
0				
10				
20				
30				
40				
50				

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

John Brochu
Site Evaluator Signature

194
SE #

8/15/01
Date

HHE-200 Rev. 7/97

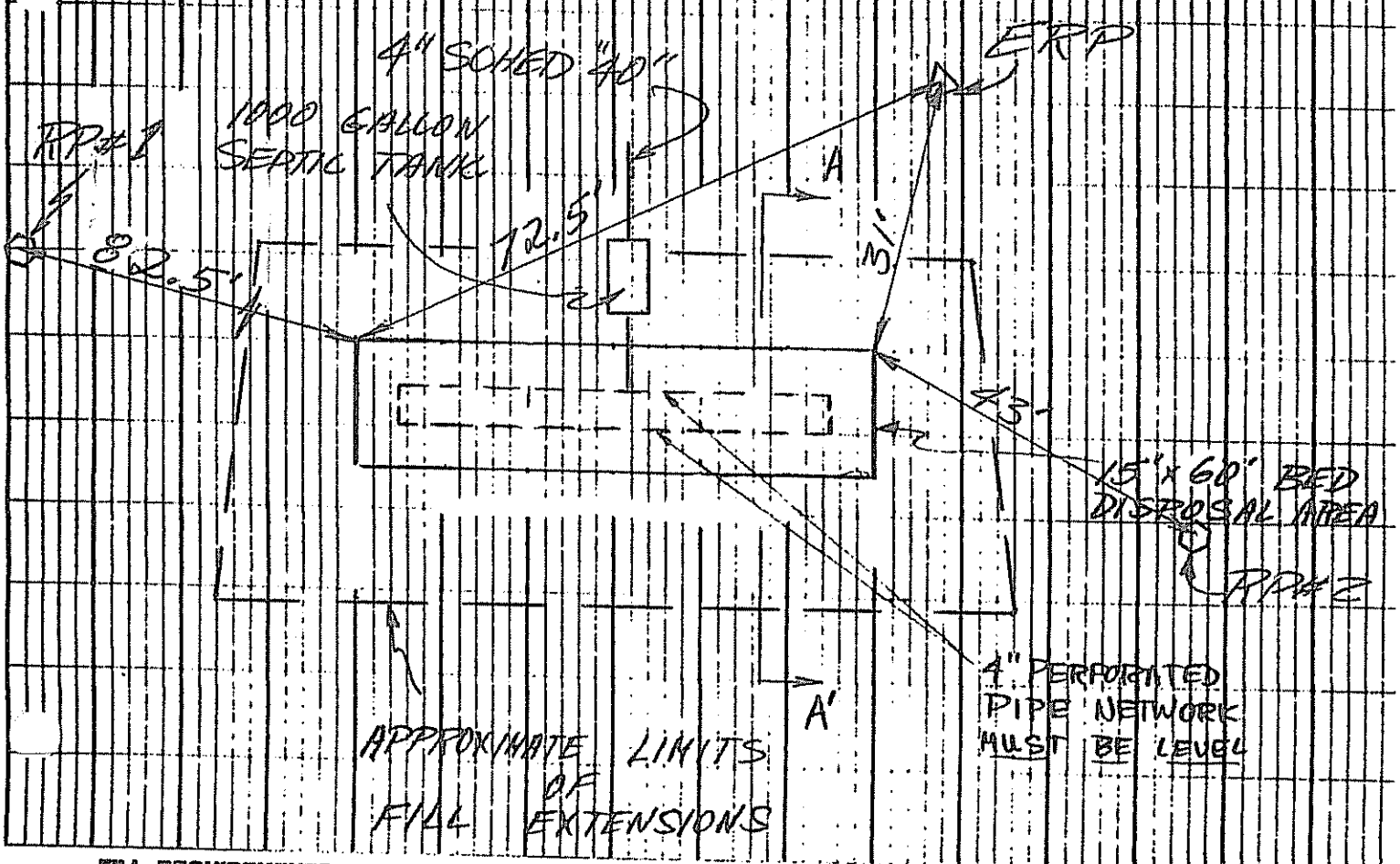
SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering

Town, City, Plantation: AUGUSTA
Street, Road, Subdivision: LEAVITT ROAD
Owners Name: R. & N. BILODEAU

SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale 1" = 20 Ft.



FILL REQUIREMENTS

Depth of Fill (Upslope) 34.
Depth of Fill (Downslope) 40.

CONSTRUCTION ELEVATIONS

Reference Elevation is ASSUMED 0.0"
Bottom of Disposal Area -50"
Top of Distribution Lines or Chambers -39"

ELEVATION REFERENCE POINT LOCATION & DESCRIPTION

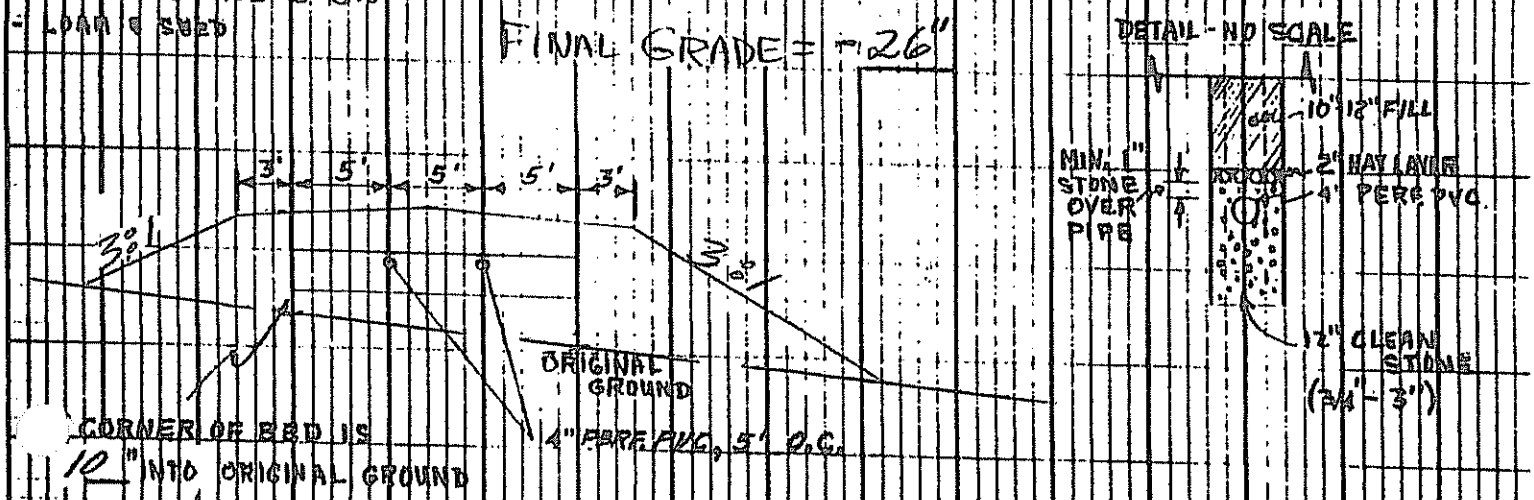
NAIL 41" ABOVE GROUND ON APPLE TREE.

DISPOSAL AREA CROSS SECTION

A-A

- SCARIFY SURFACE BEFORE PLACING FILL
- FILL GRAVELLY SAND
- SLOPE SURFACE @ 3%
- LOAM & SEED

Scale:
Vertical: 1 inch = 5 Ft.
Horizontal: 1 inch = 10 Ft.



John Brochu 194 [illegible]