

*Corkum,
Lawrence*



STATE OF MAINE
DEPARTMENT OF HUMAN SERVICES
AUGUSTA, MAINE 04333

DAVID E. SMITH
COMMISSIONER

September 15, 1977

Lawrence Corkum
RFD 7
Bolton Hill Road
Augusta, ME 04330

Subject: Waiver to the Maine Plumbing Code, Part II,
Corkum property, Bolton Hill Road, Augusta

Dear Sir:

This will acknowledge receipt of a waiver request and a plan with soils information by William T. Noble, Site Investigator, showing the replacement sewage disposal system for the existing malfunction. It is not in compliance with the Maine Plumbing Code, Part II, because of a) smaller system than required by soil conditions, and b) reduced distance to mottling, the reasons for the waiver request.

In consideration of the plan dated September 7, 1977, and the fact that the existing system is malfunctioning, and recommendations by Mr. Noble, this office will grant the responsible Local Plumbing Inspector the right to waive certain provisions of the Maine Plumbing Code for the following disposal system under authority of Section 3.14:

The use of the existing 750 gallon septic tank to be followed by a 45'x20' disposal bed. The bottom of the bed is to be at least 18 inches above mottling. The fact that this system is smaller than required by plumbing code shall be duly recorded with the deed at the appropriate registry of deeds.

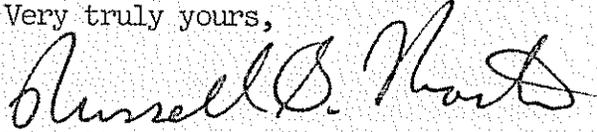
At least 23 inches and 35 inches of fill shall be applied on the uphill and downhill sides of the bed, respectively. This fill shall be of a texture similar to the original soil and will provide an 18 inch separation between the bottom of the disposal bed and the seasonal high water table and impervious layer. The fill must be extended in all directions as required by Section 8.7 of the Maine Plumbing Code, Part II.

In all other respects the installation is to comply with the Maine Plumbing Code, Part II, Private Sewage Disposal Regulations and follow the plan submitted with this proposal.

Final approval of the sewage portion is subject to permit by the Local Plumbing Inspector before the construction of this system. A completed HHE-200 Form must be submitted to him for processing. The

inspector is to be notified before covering the work, and the work is to be left uncovered until his inspection. He shall be supplied with copies of approved plans for his reference at inspection. Approval is also subject to any local ordinances and state laws.

Very truly yours,



Russell G. Martin, Sanitary Engineer
Plans and Standards Review
Division of Health Engineering

DWP/rm

cc: Richard Baker, LPI
Freeman Eugley
William T. Noble
encl.

Corkum, Lawrence

William T. Noble
Licensed Site Evaluator
35A Neal Street
Gardiner, Maine 04345

9 September 1977

Re: Replacement Sewage Disposal
System for the Lawrence Corkum
Property, Bolton Hill Road,
Augusta, Maine.

Dear Reader:

The following pages provide details concerning a proposed replacement sewage disposal bed for the subject property. The present disposal system consists of a 750 gallon concrete septic tank, followed by a small failed trench, causing a break-out of effluent on the ground surface further downslope.

A site evaluation concluded that installation of a sewage disposal bed in full conformance with the Maine Plumbing Code, Part II, would represent an unreasonable, unnecessary economic hardship to the property owner. The property owner is on a fixed income, and has limited funds available for this project.

Accordingly, permission is requested to install a reduced size disposal bed, and also a reduced fill amount, on soil normally requiring a large system.

The alternative bed size proposed is based on the following data. The facilities in the subject three bedroom dwelling consist of one toilet, one tub and shower, and two sinks (bathroom and kitchen). No garbage disposal, washing machine, or dishwasher is intended for use with this system. The dwelling is occupied by two persons. Sizing calculations are based on an estimated sewage volume of 200 gallons per day (GPD), with a loading rate of 4.6 sq. ft. of bed required per GPD.

In the event that property ownership changes, or other conditions occur that may result in a larger volume of sewage generated per day, sufficient area is available to expand the disposal bed to the appropriate size.

Sincerely,

William T. Noble

William T. Noble

APPLICATION AND AGREEMENT

TO WAIVE CERTAIN PROVISIONS OF THE PLUMBING CODE

I, Lawrence Corkum, hereby apply to the Maine State Department of Human Services for permission authorizing the responsible Plumbing Inspector to waive certain provisions of the Plumbing Code for an installation in connection with a dwelling or building at Bolton Hill Road, Augusta.
(owner) (street) (city or town)

This may include materials, methods, dimensions or conditions not specifically approved by the Plumbing Code. Please draw a brief sketch of the property's location on the back of this form so an inspector can find it. Include landmarks, route numbers and street names.

Section of Code to be waived.	Description of specific waiver
1. Sec. 9.7 & Table 9-1	Allow installation of 20'x45' bed on 3-C type soil.
2. Sec. 4.3 & Sec. 9.7	Allow reduction in separation of disposal bed bottom from mottling, to 18 inches.
(If additional space is needed, attach a list)	

In all other respects, the installation will comply with the Code. The installation will be made in accordance with the ATTACHED PLAN. A permit is to be issued by the Plumbing Inspector if he is in agreement. The undersigned stipulates that he is the owner and occupant of the building involved and that the building is not for sale in the foreseeable future. The installation will be made by: _____, License No. _____.

If any defects or inadequacies appear, I will promptly notify the State Department of Human Services and subsequently make such corrections as the Department shall find necessary

Owner's signature Lawrence H. Corkum

NOTE: A PLAN TO SCALE Winter address _____
MUST BE ATTACHED Summer address _____
Telephone _____ Date 9-13-77

THE FOLLOWING TO BE FILLED IN BY THE PLUMBING INSPECTOR

I am (Local), (Alternate) Plumbing Inspector for the town of _____.
I have examined the plans for the installation described above and I find the building to be in my jurisdiction.

I (do), (do-not) recommend the issuance of a special permit for the installation as described above.

Signed Richard P. Baber
Date 9-13-77

Return this form to the Division of Health Engineering, Department of Human Services, Augusta, Maine. NO permit shall be issued for this waiver until the Local Plumbing Inspector receives notification from this office.

ORIGINAL To be sent to Division of Health Engineering, Augusta, Maine 04333 by the LPI

MAINE DEPARTMENT OF HUMAN SERVICES
APPLICATION FOR PRIVATE SEWAGE DISPOSAL PERMIT

This is NOT a permit; this form when completed must be presented to the Local Plumbing Inspector to obtain a permit.

Page 1 of 3

Town: **AUGUSTA** Street, Road, etc.: **BOLTON HILL ROAD** Plumbing Permit No.: **705351** Date of Plumbing Permit: **9-13-77**

Owner of property: **Lawrence Corkum, RFD 7, Bolton Hill Rd., Augusta, Me. 04330** lot size: **1+ $\frac{1}{2}$ Acres**

Name & type of establishment if other than private home: _____ gpd Is lot Zoned? No Yes Type of Zoning: Shoreland Resource Protection

Name of applicant: _____ If you plan to use a previous subdivision approval in lieu of site investigation, please submit one of the following:
 Deed restriction re. private sewage disposal
 Copy of the subdivision's soils report
 Soils report from a State Agency

Applicant's address: _____ Tel. No.: **623-1332**

Town: _____ Zip Code: **04330** Subdivision name: _____ Lot No.: _____

Applicant's signature: _____ Date: **9-13-77**

Owner's signature: *Lawrence H. Corkum* Date: **9-13-77**

This application is for: New System Expanded System Replacement System Replacement of Treatment Tank Only Disposal Area Only

The water supply for this property is: Dug well, depth _____, lining _____; Drilled well, depth **105'**, lining **steel** Spring depth _____, lining _____; Surface water Body, Course— with disinfection, without disinfection. Public Utility, name _____

SITE INVESTIGATION Show location of pits and/or borings on sketch on page 2, and refer to completed sample form and Chapter 4 of the Code, II.

Thickness and Description of each soil strata encountered	Soil Profile No. 1	Soil Profile No. 1. (con't)	Soil Profile No. 2	Soil Profile No. .	Soil Profile No.
	<input checked="" type="checkbox"/> Pit <input type="checkbox"/> Boring	<input checked="" type="checkbox"/> Pit <input type="checkbox"/> Boring	<input checked="" type="checkbox"/> Pit <input type="checkbox"/> Boring	<input type="checkbox"/> Pit <input type="checkbox"/> Boring	<input type="checkbox"/> Pit <input type="checkbox"/> Boring
Organic strata	Grass 2-0	4th strata Olive v fsl 21-28	Organic strata Grass 1-0	Organic strata	Organic strata
1st strata	Brown loam 0-8	5th strata Olive gray 28-36 g fsl	1st strata Brown loam 0-9	1st strata	1st strata
2nd strata	Orange brown v fsl (glacial till) 8-14		2nd strata Yellow brown v fsl 9-20	2nd strata	2nd strata
3rd strata	Yellow brown v fsl 14-21		3rd strata Olive gray g fsl-fragipan (glacial till) 20-31	3rd strata	3rd strata
Total Depth of observation hole Inches	36		31		
Max. Ground water table—mottling	26 Inches		18 Inches		
Impervious layer, clay, etc.	28 Inches		20 Inches		
Bedrock	<input checked="" type="checkbox"/> None Evident		<input checked="" type="checkbox"/> None Evident		
Surface slope	4 %		5 %		
Soil Group & Condition per Table 9-1 of the Code, II	3-C		3-C		

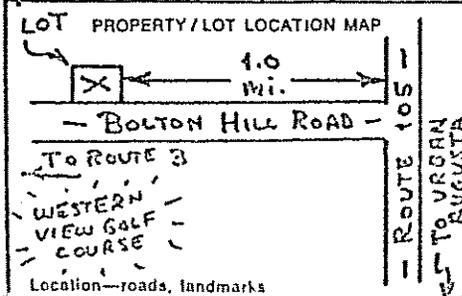
On **9-3-77** (date), a site investigation for this project was completed. I conducted this soil evaluation and certify that the results indicated above best represent the soil conditions found. I recommend the following type and size of private sewage disposal system. I also recommend the proposed private sewage disposal system layout and location shown on page 2.

Signature: *William J. Asible* Health Engineering License No. **75**

Date signed: **SEP 7 - 1977**

PRIVATE SEWAGE DISPOSAL SYSTEM PROPOSED Show location of system and details on sketches on page 2, and refer to completed sample form

SYSTEM: <input checked="" type="checkbox"/> COMBINED SYSTEM <input type="checkbox"/> SEPARATED SYSTEM If separated system—type of human waste disposal system to be used: <input type="checkbox"/> Sealed Vault Privy <input type="checkbox"/> Open Pit Privy <input type="checkbox"/> Compost Toilet <input type="checkbox"/> Incinerator Toilet <input type="checkbox"/> Chemical Toilet <input type="checkbox"/> Other, describe _____ See Chapter 9 of the Code, II.	TREATMENT TANK: <input checked="" type="checkbox"/> Septic Tank <input checked="" type="checkbox"/> Concrete <input type="checkbox"/> Fiberglass <input type="checkbox"/> Metal Size in gallons 750 (existing) <input type="checkbox"/> Aerobic Tank Manufacturer— Model No. Size in gallons	SUBSURFACE ABSORPTION AREA		SITE MODIFICATION Fill will be: 23 in. uphill; 35$\frac{1}{2}$ in. downhill
		Type <input type="checkbox"/> Trench System: Total trench length _____ <input checked="" type="checkbox"/> Bed System Length 45' Width 20' <input type="checkbox"/> Chamber System Number _____ <input type="checkbox"/> Type A <input type="checkbox"/> Single File <input type="checkbox"/> Type B <input type="checkbox"/> Cluster <input type="checkbox"/> Mound System Length _____ Width _____ at base <input type="checkbox"/> Special System Length _____ Width _____	SIZE <input type="checkbox"/> Very Small <input type="checkbox"/> Small <input type="checkbox"/> Medium <input type="checkbox"/> Medium Large <input type="checkbox"/> Large <input type="checkbox"/> Extra Large	DETAILS <input checked="" type="checkbox"/> A Distribution Box is required Pumping is— <input type="checkbox"/> required, <input checked="" type="checkbox"/> is not required. The Dose will be _____ gallons
		WAIVER <input checked="" type="checkbox"/> Required <input type="checkbox"/> Not Required		DISTANCES <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No: The proposed subsurface absorption area will be located at least 100 feet from any and all wells; springs; surface water bodies and courses (lake, pond, ocean, brook, stream, river); swamps; marshes; and bogs. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No: The proposed subsurface absorption area will be located at least 300 feet from any and all wells and springs producing 2000 gallons or more of water per day and any public water supplies.



FOR THE USE OF LPI ONLY

Denial: Application is denied for following reasons; portions of the Code II are cited. Form is incomplete (_____ pg.) as to General Info, Site Investigation, System Proposed, Site Plan, Disposal System Plan, Cross-Section, Statement. See Section 2.3.

Site Investigation indicates site is totally unsuitable for disposal system; Sections 4.5 and 9.5, Table 9-1 Group 9 and 10. Unsuitable for system proposed; Sections 4.3, 4.6, 9.5, Table 9-1.

System Proposed does not conform to Code; See Sections 9.

Site Investigation indicates site modifications are necessary; See Sections 4.3, 4.4, 4.6, 8.7.

Miscellaneous _____ See Section _____

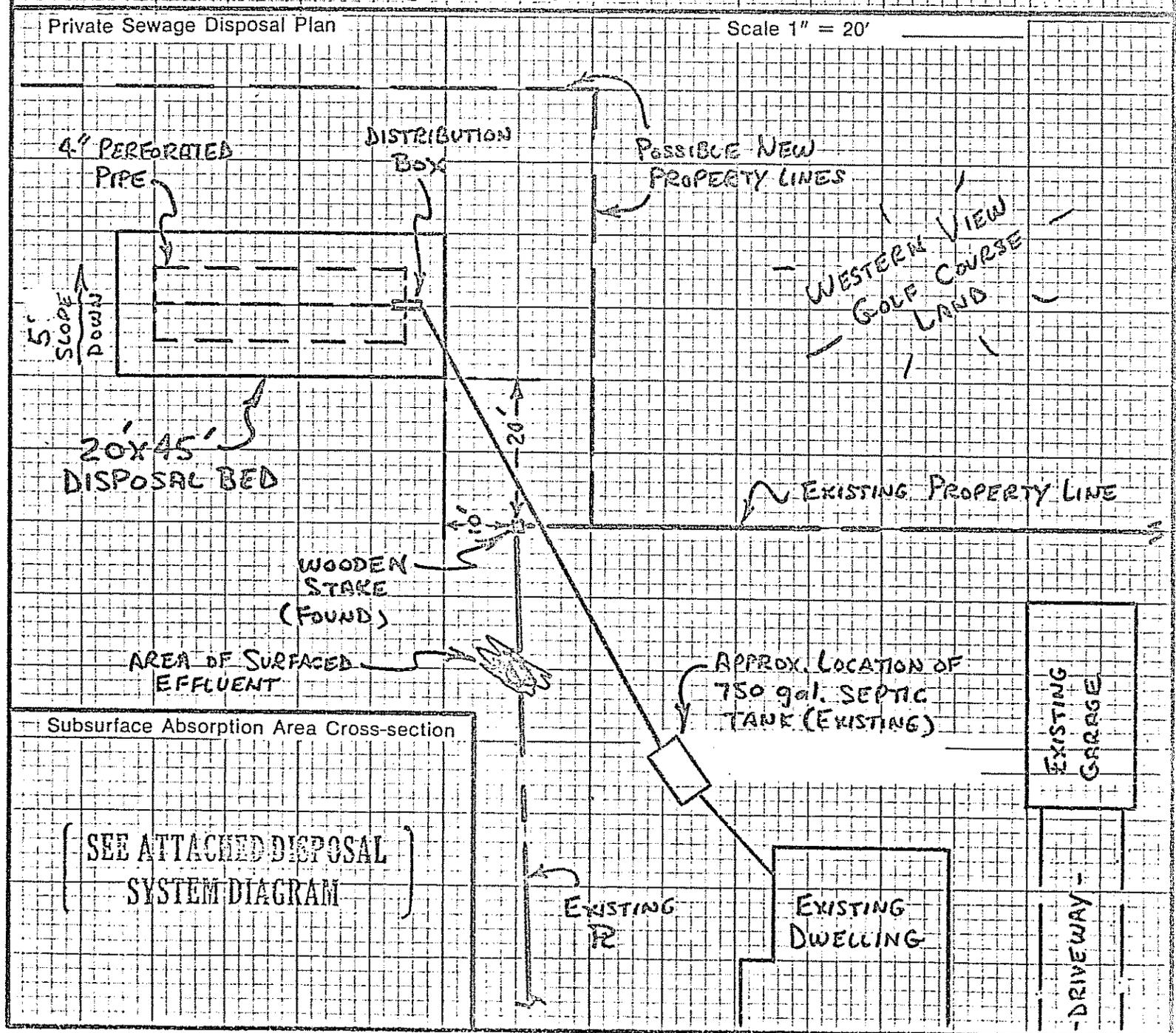
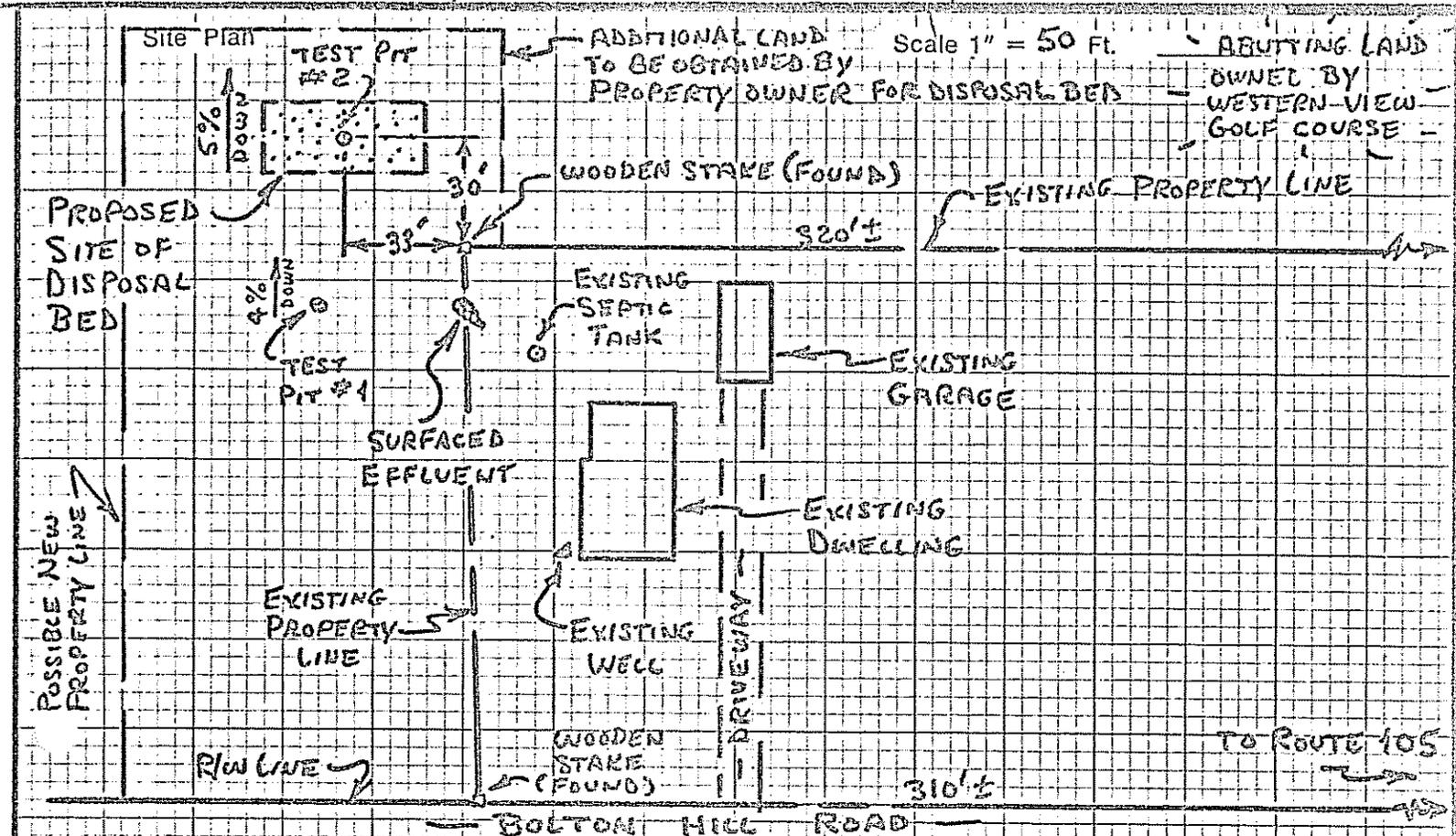
Acceptance: Application for permit is approved with condition specified, comply with Section **3.2.1.3.1**
 without condition.

Signed LPI: *Richard P. Robb* Date: **9-13-77** RHE-200 1/77

APPLICATION FOR PRIVATE SEWAGE DISPOSAL PERMIT
(For systems disposing of less than 2000 gallons per day)

77015

Town AUGUSTA	Street, Road, etc. BOLTON HILL RD. If on water body, give name	Owner of property LAWRENCE CORKUM
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• SEWAGE DISPOSAL BED DETAILS •

For: LAWRENCE CORKUM

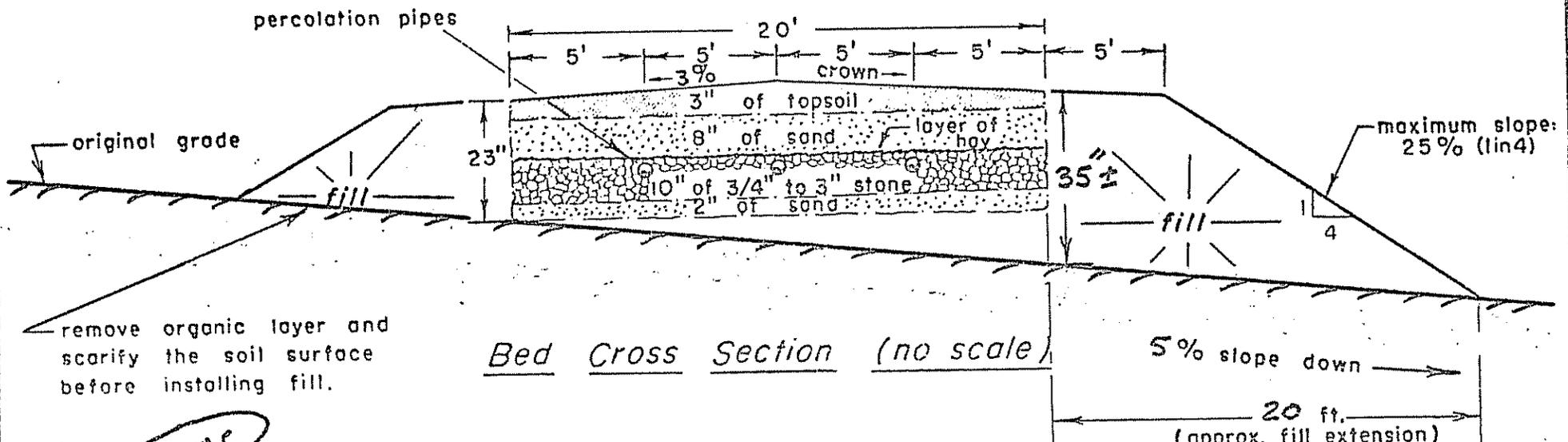
William D. Noble

Job No.

82015

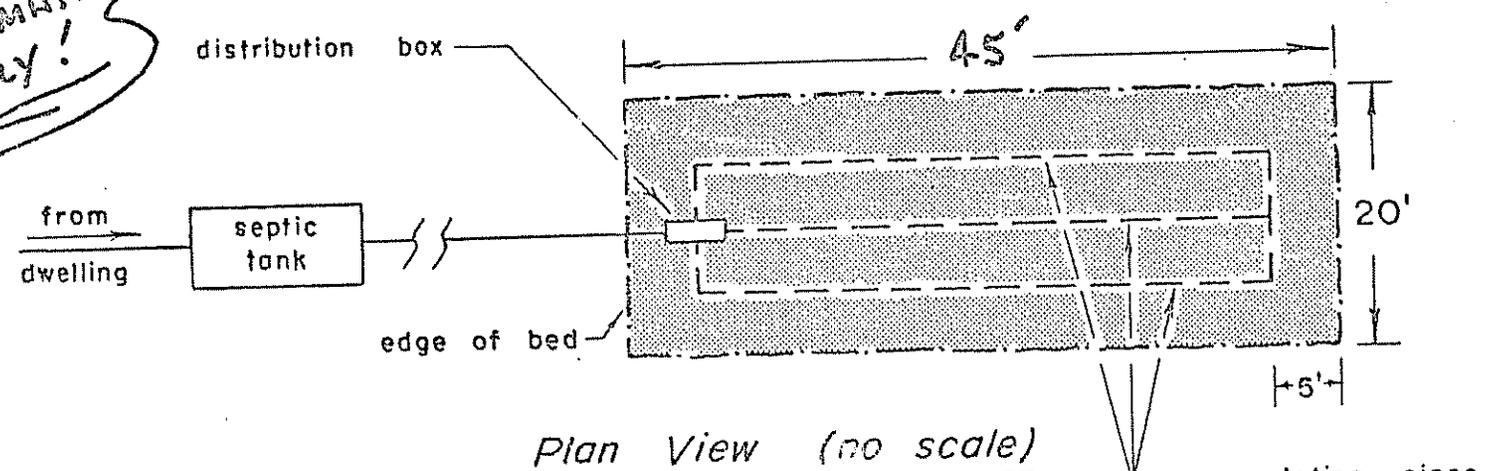
By: WTN

Date: SEP 9 - 1977



SCHEMATIC ONLY!

remove organic layer and scarify the soil surface before installing fill.



*** NOTES:**

- 1.) 23 inches of fill is required at uphill side of bed.
- 2.) Texture of fill shall be similar to original soil.
- 3.) Refer to Sections 8.7 and 9.7 of the Maine State Plumbing Code, Part II for further details regarding installation procedures.