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STATE OF MAINE
DEPARTMENT OF HUMAN SERVICES
AUGUSTA, MAINE 04333

Allen, Guy
map 15/

DAVID E. SMITH
COMMISSIONER

January 17, 1979

Mr. Guy Allen
RFD 1
Gardiner, Maine 04345

Subject: On-site soil investigation Guy Allen property, Lots 4 and 5,
Mud Mill Road, Augusta, Maine

Dear Mr. Allen:

This letter is to document an on-site investigation to the subject property on January 10, 1979 by Albert Frick, S.E. of this office. The visit was requested by you to review the soil conditions as reported on the applications for subsurface wastewater disposal permits (HHE-200 forms). Others present during the site investigation were Kenneth Sparks, S.E. and yourself.

A soil evaluation was conducted on both lots 4 and 5 by Kenneth Sparks on April 7, 1978 and the reports were written and signed on August 1, 1978. The soil conditions reported, in accordance with Table 9-1 of the Plumbing Code, for both lots 4 and 5 were "5B" with no seasonal high groundwater table evident and no impervious layer identified. Farmers Home Administration allegedly requested that you have another soil evaluation performed on the lots due to special site considerations with respect to the proposed house locations. Consequently, another soil evaluation was performed by Kenneth Sparks on the same lots on October 10, 1978. The test pits were placed in different locations than the previous observation pits. The soil conditions reported were 3C with an impervious layer recognized at 27 inches below the mineral soil surface and no seasonal high groundwater table was identified within the soil profile. Med-large sized bed systems were proposed for both lots by Mr. Sparks.

The soil profile, in the October 10, 1978 observation pit of Mr. Sparks, on lot 4 was classified by Albert Frick of this office as 3D. The soil was reported to be a sandy loam glacial till with an impervious layer in the substratum at 27 inches below the mineral soil surface. The seasonal high groundwater table, as identified by mottling, was recognized at a depth ranging from 12 to 20 inches throughout the observation pit. The test pit was located in a drainage swale, and a large portion of the bed proposed by Kenneth Sparks would be located in poorly drained soil. An acceptable site, with soil classified as 3C and mottling at a depth of 15 inches or greater, was located higher up on the knoll toward the front of the lot (nearer Mud Mill Road).

The soil profile observed by Albert Frick on lot #5, in the October 10, 1978 observation pit of Mr. Sparks was classified as 3D. The soil conditions

January 17, 1979

were described as sandy loam glacial till with an impervious layer at a soil depth of 28 inches and the seasonal high groundwater table at a depth ranging from 14 to 17 inches throughout the observation pit. The test pit was located on the edge of an isolated knoll of glacial till which lies on poorly drained marine sediments. A large portion of the bed location proposed by Mr. Sparks, on the HHE-200 form dated October 10, 1978, would be in poorly drained soils which would not meet the limiting soil criteria according to Section 4.4 and Table 9-1 of the Plumbing Code. This department could not justify approval of a subsurface sewage disposal system on lot #5 unless a sufficient area of suitable soil could be delineated which could accept a subsurface sewage disposal system for new construction in compliance with the code.

If there are any questions, or considerations for additional discussion, please do not hesitate to call.

Sincerely,



Albert Frick, S.E.
Wastewater & Plumbing Control Program
Division of Health Engineering

AF/mo

cc: Richard Baker, LPI
Fred Jagels, Farmers Home Administration
Kenneth Sparks, S.E.

This Application Is For: New System Conversion Permit Replacement Of Entire System Disposal Area Only
 Expanded System Experimental System

An Application For Subsurface Wastewater Disposal Permit This Is NOT A Permit; This Form When Completed Must Be Presented To The Local Plumbing Inspector To Obtain A Permit

Town **Augusta** Street, Road, Etc. **Mud Mills Road** Plumbing Permit No. _____ Date Of Plumbing Permit _____
 If On Water Body, Give Name

Owner Of Property **Guy Allen** Tel.No. **582-5476** Name Of Applicant Owner's Agent **Same** Tel. No. **Same**

Street **R.F.D. # 1** Street _____

Town **Gardiner** State **Maine** Zip Code **04345** Town _____ State _____ Zip Code _____

Owner's Signature _____ Date _____ Applicants Signature _____ Date _____

Size Of Lot Sq. Feet Acres **1.00** Is Lot Zoned? Yes No Type Of Zoning _____ Subdivision Name **Mud Mills Road** Lot No. **4**

The Water Supply For This Property Is: Dug Well, depth _____; Drilled Well, depth **TBD**; Spring, depth _____; Surface water Body Course— with disinfection, without disinfection. Public Utility, name _____

SITE INVESTIGATION Show Location Of Pits on Site Plan on Page 2

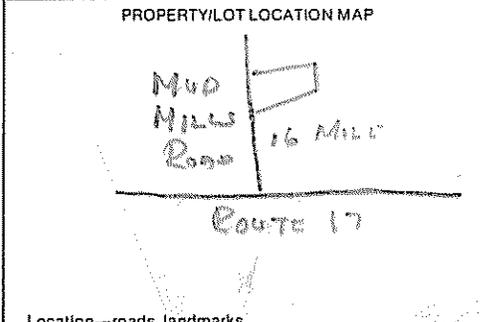
Thickness and description of each soil site	Soil Profile No.	Soil Profile No.	Soil Profile No.	Soil Profile No.
	<input checked="" type="checkbox"/> Pit <input type="checkbox"/> Boring	<input type="checkbox"/> Pit <input type="checkbox"/> Boring	<input type="checkbox"/> Pit <input type="checkbox"/> Boring	<input type="checkbox"/> Pit <input type="checkbox"/> Boring
	Organic Strata 0	Organic Strata	Organic Strata	Organic Strata
1st Strata	Light brown sandy loam Inches 14	1st Strata	1st Strata	1st Strata
2nd Strata	Medium Sand, rocky Inches 44	2nd Strata	2nd Strata	2nd Strata
3rd Strata		3rd Strata	3rd Strata	3rd Strata
4th Strata		4th Strata	4th Strata	4th Strata
Depth from bottom of organic horizon to:	Total Depth of Observation Hole Inches 58"	Total Depth of Observation Hole Inches	Total Depth of Observation Hole Inches	Total Depth of Observation Hole Inches
	Max. Seasonal Water Table Mottling <input checked="" type="radio"/> None Evident	Max. Seasonal Water Table Mottling <input type="radio"/> None Evident	Max. Seasonal Water Table Mottling <input type="radio"/> None Evident	Max. Seasonal Water Table Mottling <input type="radio"/> None Evident
	Impervious Layer Clay, Etc. <input checked="" type="radio"/> None Evident	Impervious Layer Clay, Etc. <input type="radio"/> None Evident	Impervious Layer Clay, Etc. <input type="radio"/> None Evident	Impervious Layer Clay, Etc. <input type="radio"/> None Evident
	Bedrock <input checked="" type="radio"/> None Evident	Bedrock <input type="radio"/> None Evident	Bedrock <input type="radio"/> None Evident	Bedrock <input type="radio"/> None Evident
Surface Slope 0.8 %	Surface Slope %	Surface Slope %	Surface Slope %	
Soil Group 5 Soil Condition B	Soil Group Soil Condition	Soil Group Soil Condition	Soil Group Soil Condition	
Per Table 9-1 Code II	Per Table 9-1 Code II	Per Table 9-1 Code II	Per Table 9-1 Code II	

On **4/7/78** (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 *Fremont Sparks* Site Evaluator License Number **158**
 Date Signed **4/8/78 Revised**

DISPOSAL SYSTEM PROPOSED Show Location of System and Details on Disposal Plan on Page 2

SYSTEM: <input checked="" type="radio"/> Combined System <input type="radio"/> Separated System If separated system—type of human waste disposal system to be used: <input type="radio"/> Sealed Vault Privy <input type="radio"/> Open Pit Privy <input type="radio"/> Compost Toilet <input type="radio"/> Chemical Toilet <input type="radio"/> Incinerator Toilet	TREATMENT TANK <input type="radio"/> Aerobic Tank <input checked="" type="radio"/> Septic Tank <input checked="" type="radio"/> Concrete <input type="radio"/> Fiberglass <input type="radio"/> Metal Size in Gallons 1,000 Gal. Number of Bedrooms 3	SUBSURFACE ABSORPTION AREA/TYPE <input checked="" type="radio"/> Bed System No. of Beds 1 Length 34 ft Width 20 ft <input type="radio"/> Chamber System Number _____ <input type="radio"/> Type A <input type="radio"/> Single File <input type="radio"/> Type B <input type="radio"/> Cluster <input type="radio"/> Special System Length _____ ft Width _____ ft <input type="radio"/> Laundry System Type A _____ Type B _____ No. of Chambers: _____	SIZE <input type="radio"/> Small <input checked="" type="radio"/> Medium <input type="radio"/> Med.-Large <input type="radio"/> Large <input type="radio"/> Extra-Large Design Flow 264 GPD	SITE MODIFICATION Fill will be: _____ in. uphill _____ in. downhill
				DETAILS <input type="radio"/> A Distribution Box is required No Pumping is— <input type="radio"/> required <input checked="" type="radio"/> is not required The dose will be _____ Gallons
DISTANCES <input checked="" type="radio"/> Yes <input type="radio"/> 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="radio"/> Yes <input type="radio"/> 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.				



WAIVER State Variance Required Replacement Variance Required None Required

FOR THE USE OF LPI ONLY

Denial: Application is denied for the 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 4.1

Site Investigation indicates site is unsuitable for disposal system. Unsuitable for system proposed.

System Proposed does not conform to Code _____

Site Investigation indicates site modifications are necessary.

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

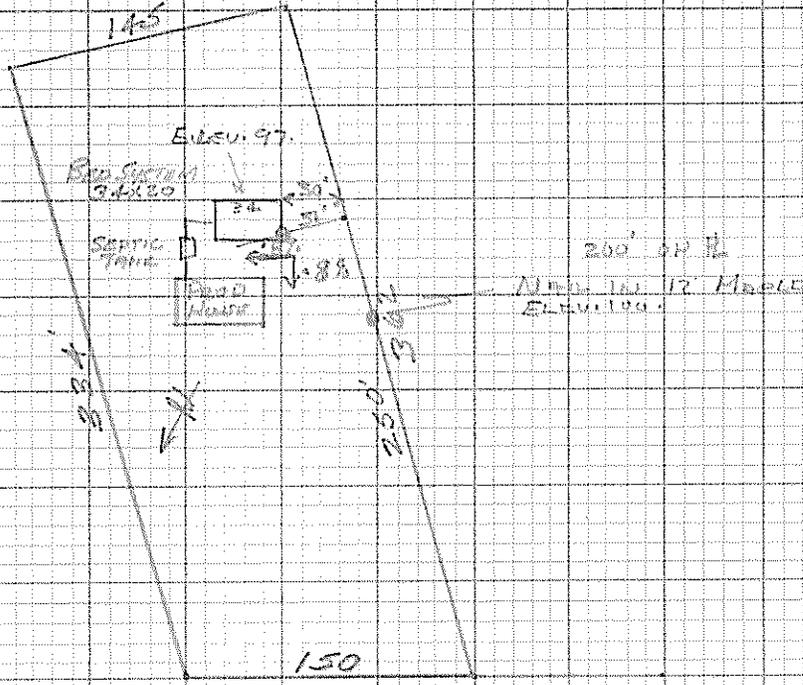
Signed LPI _____ Date _____ HHE-200 1/78

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

Town Augusta Street, Road, etc. Maple Road Owner of Property Guy Brown
If on waterbody, give name

Site Plan

Scale 1" = 100 ft.

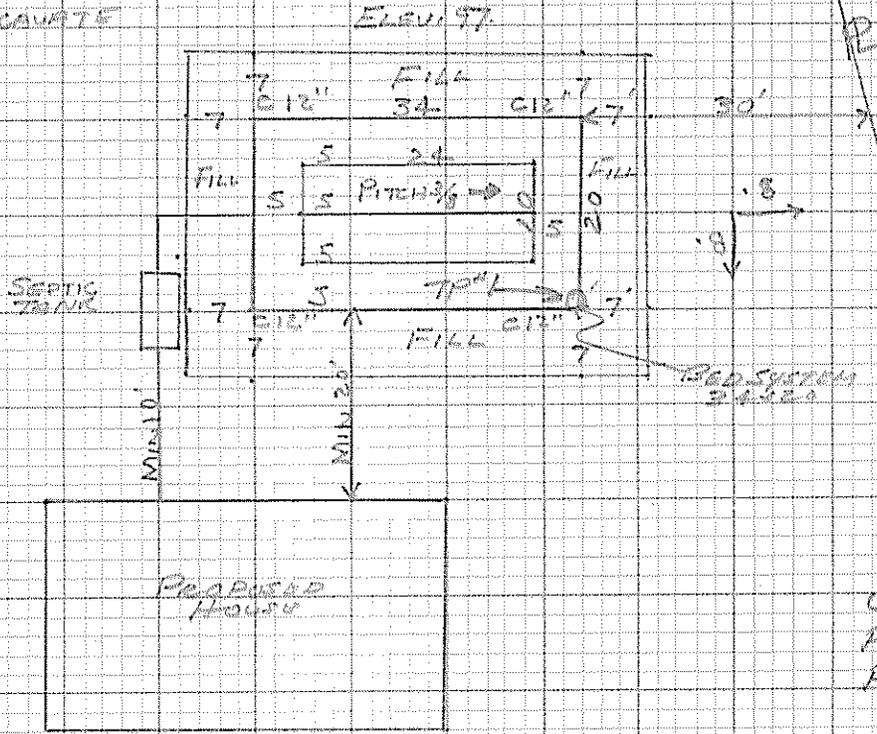


● Designates Elevation Reference Point ○ Designates Test Pit

Private Sewage Disposal Plan

Scale 1" = 20' or _____

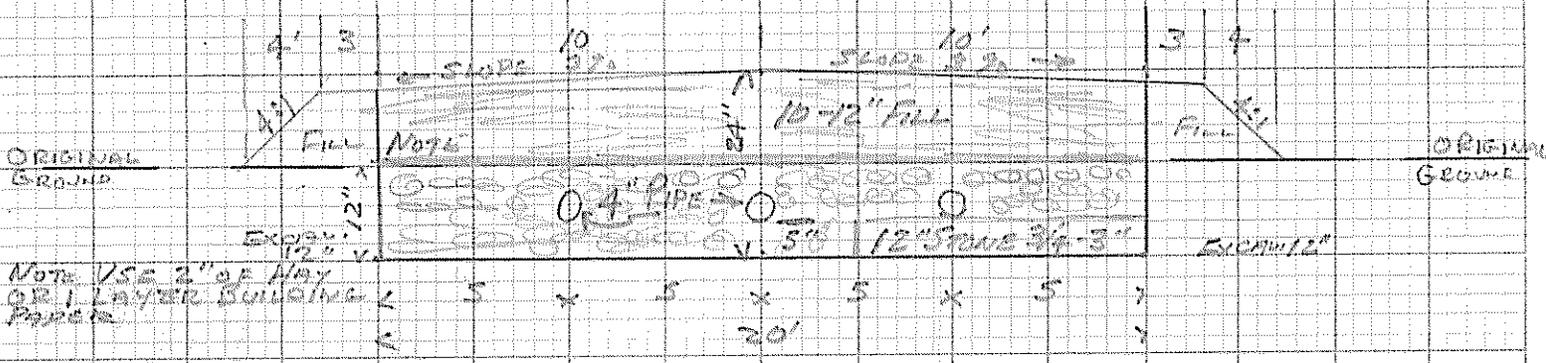
C = CUT OR EXCAVATE



USE 4" PVC
Pipes 5' O.C.
Pitch 3/8" in 24 FT.

Subsurface Absorption Area Cross-section

Scale: Vertical—1" = 5' or 2
Horizontal—1" = 20' or 5



Site Evaluators Signature Samuel Spivey Date 9/1/78 License Number 158

Signature Required

Statement: (no permit may be issued unless signed)
I certify that all the information submitted to be true and correct; and I understand that issuance of a permit is based upon the information and plans submitted by the applicant. I also understand that any falsification of this application is reason to deny a permit to install a private sewage disposal system and that the permit is valid for a six (6) month period from the date of permit issuance. I understand that no guarantee is intended or implied by reason of any advice or approval given by the Administrative Authority or its agent.

Date: _____
Applicant: _____
Owner: _____