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

MAIN DEPARTMENT OF HEALTH AND WELFARE APPLICATION FOR PRIVATE SEWAGE DISPOSAL PERMIT	(For systems disposing of less than 2000 gallons per day)	This is NOT a permit; this form when completed must be presented to the Local Plumbing Inspector to obtain a permit.	Page 1 of 2

Town	Street, Road, etc. / If on water body, give name	Permit No.	Date
Augusta	N.Belfast Ave.	21609M	4-19-77

Owner of property: LaPointe Bros. Co. Inc.
Owner's address: RfD. # 7, Augusta, Maine
Size of lot: 5+ ○ Sq. feet ○ Acres
Name & type of establishment if other than private home:
Is lot Zoned? ○ Yes ⊗ No
Type of Zoning: ○ Residential ○ Commercial ○ Resource Protection
Name of applicant Owner's agent:
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 Street, Box, etc.:
Tel. No. 622-5025
Town:
zip code:
Subdivision name:
Lot No.:
Applicant's signature: Date:
Owner's signature: *[signature]* Date 4-19-77

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 ______, lining ______; 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.

	Soil Profile No.	Soil Profile No.	Soil Profile No.	Soil Profile No.	Soil Profile No.
	☐ Pit ☒ Boring	☐ Pit ☐ Boring	☐ Pit ☐ Boring	☐ Pit ☐ Boring	☐ Pit ☐ Boring
Thickness and Description of each strata encountered: Organic strata Inches	——				
1st strata Inches	60" Silty to clean gravel fill				
2nd strata Inches					
3rd strata Inches					
Total Depth of observation hole Inches	60"				
Depth from surface of ground to: Max. Ground water table—mottling Inches	⊗ None Evident	○ None Evident	○ None Evident	○ None Evident	○ None Evident
Impervious layer, clay, etc. Inches	⊗ None Evident	○ None Evident	○ None Evident	○ None Evident	○ None Evident
Bedrock Inches	⊗ None Evident	○ None Evident	○ None Evident	○ None Evident	○ None Evident
Type of Bedrock					
Surface slope %	0-2 %				
Soil Group & Condition per Table 9-1 of the Code, II	Fill				

On 4/6/1977 (date), a site investigation for this project was completed. I supervised 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 and Registration/Certification Number: *[signature]*
Date signed:
○ Soil Scientist ⊗ Geologist ○ Soil Engineer ○ Other, must show current letter of certification to LPI

PRIVATE SEWAGE DISPOSAL SYSTEM PROPOSED

Show location of system and details on sketches on page 2, and refer to completed sample form

SYSTEM:
⊗ COMBINED SYSTEM
○ SEPARATED SYSTEM — If separated system—type of human waste disposal system to be used:
○ Sealed Vault Privy
○ Open Pit Privy
○ Compost Toilet
○ Incinerator Toilet
○ Chemical Toilet
○ Other, describe
See Chapter 9 of the Code, II.

TREATMENT TANK:
⊗ Septic Tank
○ Concrete
○ Fiberglas
○ Metal
Manufacturer—
Size in gallons 1000
○ Aerobic Tank
Manufacturer—
Model No.
Size in gallons

SUBSURFACE ABSORPTION AREA

Type:
○ Trench System: Total trench length
○ Bed System Length ______ Width ______
⊗ Chamber System Number 2
○ Type A ○ Single File
⊗ Type F ⊗ Cluster
○ Mound System Length ______ Width ______ at base
○ Special System Length ______ Width ______
○ Non-discharge System Bed-Length ______ Width ______ Holding Tank Size ______ Gal. Manufacturer ______
○ Alarm device provided, type

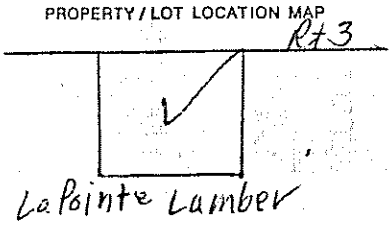
SIZE: ○ Very Small ⊗ Small ○ Medium ○ Medium Large ○ Large ○ Extra Large

SITE MODIFICATION
Fill is—○ required, ⊗ not required
Fill will be ______ inches deep

DETAILS
○ A Distribution Box is required
Pumping is—○ required, ⊗ is not required.
The Dose will be ______ gallons

DISTANCES
⊗ Yes ○ 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.
⊗ Yes ○ 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.

PROPERTY / LOT LOCATION MAP



Location—roads, landmarks

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 ______
⊘ without condition.
Signed LPI *Richard C. Baker* Date 4-19-77

HHE - 200 5/75

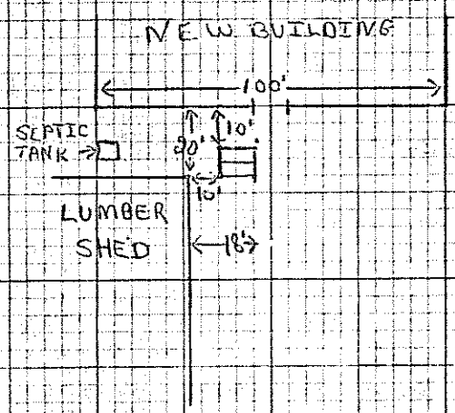
APPLICATION FOR PRIVATE SEWAGE DISPOSAL PERMIT

(For systems disposing of less than 2000 gallons per day)

Town	Street, Road, etc. If on water body, give name	Owner of property
Augusta	N. Belfast Ave.	LaPointe Bros. Co. Inc.

Site Plan

Scale 1" = [illegible] Ft. or 1" = 50'



Private Sewage Disposal Plan

See Attatched literature

Scale 1" = 20' or

Subsurface Absorption Area Cross-section

Scale: Vertical — 1" = 5' or

Horizontal — 1" = 20' or

HHE - 200 5/75

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.

Signature Required

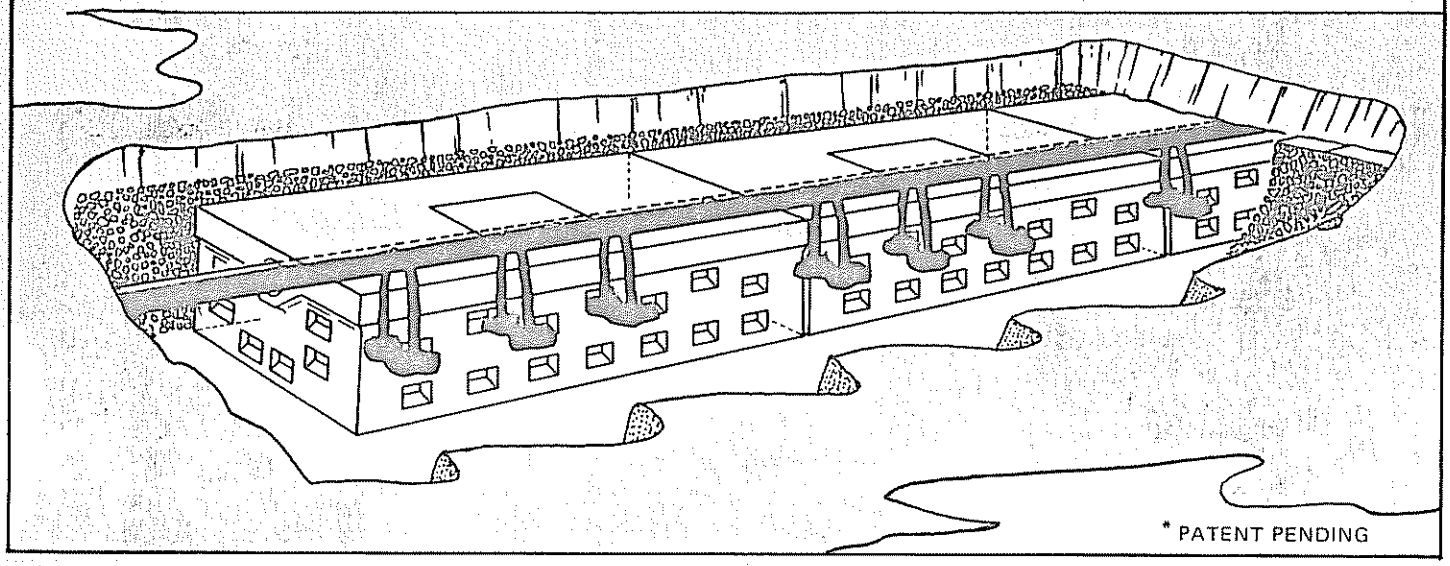
Date: 4-19-77

Applicant:

Owner: Raymond Lapointe

Superior's FLOWDIFFUSOR™

LEACHING CHAMBERS*



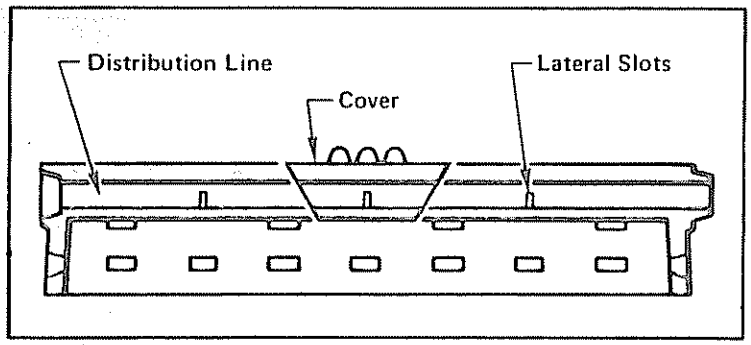
* PATENT PENDING

The Superior FLOWDIFFUSOR leaching chamber is a monolithically precast concrete open bottomed rectangular structure adapted to rest squarely on a prepared absorption bed and thusly enclose within its top, side and end walls a volume of free air space above the absorption bed. The liquid volume of each unit is 278 Gals.

The side and end walls of each chamber are provided with rows of inwardly bevelled openings above the absorption bed level to allow air movement, and after row levels are reached, allow fluid to spill over and out from one chamber to another. The openings are designed to preclude entry of stone and soil to the chamber interior and to allow air movement between chambers prolonging system life.

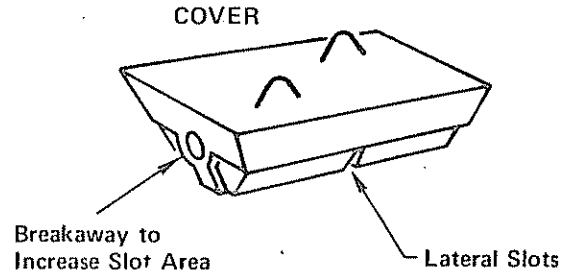
Each chamber is supported by the entire perimeteral edge area of the side and end walls reducing any tendency to shift, fracture or be dislocated.

Each chamber is steel reinforced for a load capacity of 400 P.S.F. capable of withstanding H-20 wheel loading.



SECTIONAL VIEW

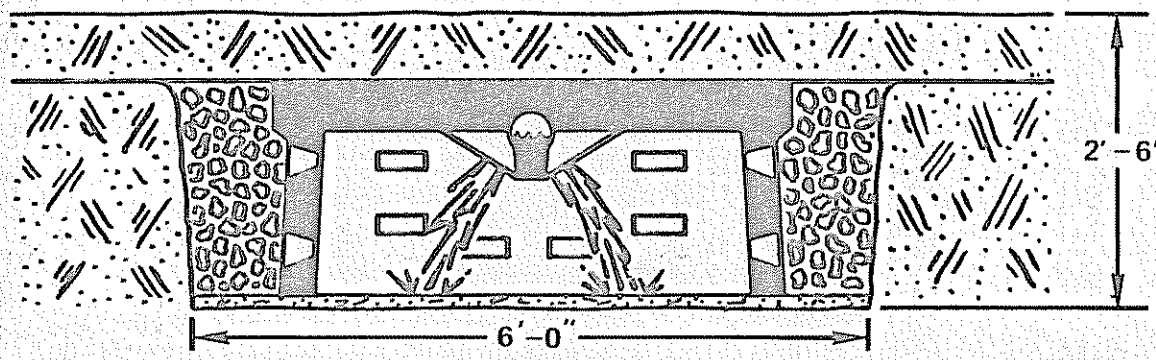
Within the ribbed ceiling top wall, which includes a removable inspection cover, a distribution line is formed extending end to end. The ceiling of the top wall is provided with slots at given intervals through lateral facing wall sections of the flow distribution line designed to meter flow into each chamber.



The inspection cover forming part of the top wall and a section of the distribution line includes centrally located slots affording flow between the distribution line and chamber. The end facing sides of the inspection cover are formed so that thin sections may be broken away to provide additional flow when desired. The inspection covers are removable to faciliate cleaning and renewal of the bed.

SUPERIOR CONCRETE CO., INC. • AUBURN, MAINE 04210
PHONE 207 784-9144

CROSS SECTION OF TYPICAL INSTALLATION IN TRENCHES



Installation of the Superior FLOWDIFFUSOR leaching chamber is familiar. A trench is dug 6 feet wide and approximately 2½ feet deep. Preferably to faciliate cleaning, 2 inches of sand deposited in the trench bed. The chambers are then placed into the trench and interconnected. One foot of gravel stone is placed between chamber side walls and trench walls to the top surface of the chamber and covered with salt hay or tar paper. Grading with soil completes the job.

HIGHLIGHTS

- Effluent carried to ends of trench assuring fair distribution to each chamber.
- Cascading effluent is oxygenated and absorption bed is aerated; this serves to inhibit slime formation and therefor clogging of the porous bed.
- The absence of stone in the chamber means that the exposed absorption surface area as compared to the conventional stone trench is greater by three times; thus for a given area the chamber is less prone to clog and is useable longer before slime accumulation clogs the bed. Beyond this and further increasing life is the action of aeration.
- When the bed becomes clogged, the slime layer, usually no more than an inch, may be removed by way of the cover opening.
- Side to side configuration are achieved with top wall edges abbutting.
- Greater capacity is also realized because of greater volume for effluent which may accumulate in each compartment to the levels of side perforations and overflow for absorption into the lateral walls of the trenches, and adjacent compartments.
- Storage of fluid in each compartment serves to arrest movement of fluids to the lowest level of a bed. This is of particular advantage in view of the fact that it is usually impossible to maintain bed surface levels. This feature, together with slotted flow through the distribution lines to carry effluent to the entire system yet allowing portions of the flow to fall into each compartment for absorption, provides even distribution of effluent.
- Side wall drainage openings angled to keep out gravel and dirt.
- Adjustable slots in cover to differentially control flow in serial chambers according to grade.

ITEM
NO. 165