City of Augusta

Division of Health Engineering
Station No. 10
State House
Augusta, Maine 04333

APPLICATION FOR SUBSURFACE WASTEWATER DISPOSAL PERMIT

HHE-200

This Is NOT A Permit; This Form When Completed Must Be Presented To The Local Plumbing Inspector To Obtain A Permit

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

Variance: ● None Required ○ New System Variance ○ Replacement System Variance With: ○ LPI Approval ○ Dept. Review

PROPERTY LOCATION: Town, Plantation: AUGUSTA | Street, Road: NORTH ST | Subdivision Name | Lot No.

~~PROPERTY OWNER or~~ APPLICANT: ELMER DEGON

Mailing Address: AUGUSTA HIGHWAY GARAGE, NORTH ST (Street) — Tel. No. 622-3161

AUGUSTA (Town) - ME (State) 04330 (Zip Code)

TYPE OF STRUCTURE, DESIGN FLOW

○ Single Family Dwelling — Number of Bedrooms _____ Design Flow _____ GPD

Design Flow based on ○ Minimum ○ Moderate ○ Conservative

○ Reduction in Design Flow due to Water Conservation

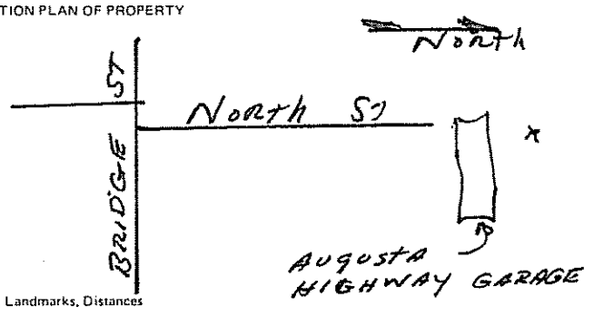
If so, specify type (s) _____

● Other Establishment. Specify GARAGE (Type of Facility)

40 EMPLOYEES (Number of Employees, Seating Capacity, Building Size, etc.)

Design Flow 566 GPD _____ If greater than 2000 GPD, Specify Professional Engineer

LOCATION PLAN OF PROPERTY



Roads, Landmarks, Distances

PROPERTY INFORMATION

Area of Property _____ ○ Sq. Ft. ○ Acres ○ Zoned ○ Not Zoned

If zoned, type of zoning _____

Property on Water Body, If so, Name of Water Body _____

Water Supply is: ● Public Utility, ○ Drilled Well _____ depth ○ Dug Well _____ depth ○ Well Point ○ Spring ○ Surface Water

SOIL PROFILE DESCRIPTION Location of Observation Holes shown on page 2

TEXTURAL DESCRIPTION OF EACH SOIL STRATA ENCOUNTERED

	Observation Hole No. ● Test Pit ○ Boring	Observation Hole No. ○ Test Pit ○ Boring	Observation Hole No. ○ Test Pit ○ Boring
Organic Strata or (Existing Fill)	Thickness ___"	Thickness ___"	Thickness ___"
1st Original Mineral Soil Strata	DARK BROWN FM & FSL; Depth from 0" to 15"; Thickness 15"	Depth from 0" to ___"; Thickness ___"	Depth from 0" to ___"; Thickness ___"
2nd	OLIVE FINE SANDY LOAM; Depth from 15" to 35"; Thickness 20"	Depth from ___" to ___"; Thickness ___"	Depth from ___" to ___"; Thickness ___"
3rd	OLIVE BROWN FINE SILTY; Depth from 35" to 60"; Thickness 25"	Depth from ___" to ___"; Thickness ___"	Depth from ___" to ___"; Thickness ___"
4th	Depth from ___" to ___"; Thickness ___"	Depth from ___" to ___"; Thickness ___"	Depth from ___" to ___"; Thickness ___"
Total Depth of Observation Hole	5 feet	___"	___"

Depth from top of ORIGINAL MINERAL SOIL

Maximum Seasonal High Ground	○ None evident; Water Table Depth 20"	○ None Evident; Water Table Depth ___"	○ None evident; Water Table Depth ___"
Depth to Restrictive Layer	○ None evident 35"	○ None evident ___"	○ None evident ___"
Depth to Bedrock	● None evident ___"	○ None evident ___"	○ None evident ___"

PROFILE	CONDITION	SLOPE
7	C	5 %
		%
		%

DISPOSAL SYSTEM PROPOSED Location of system and Details on Proposed Plan on page 2

TYPE OF SYSTEM

● Combined System
○ Separated System
If separated system, type of black waste disposal system to be used:
○ Compost
○ Pit Privy
○ Sealed Vault Privy
○ Other:
Specify: _____
○ Separated Laundry System
○ Primitive System
○ Holding Tank

TREATMENT TANK

● Septic Tank
○ Aerobic Tank
Size 1000 Gals.

DOSAGE

● Pumping is not required
○ Pumping is required
The dose should be: _____ Gals.
Dosage chamber capacity shall be _____ gals.

○ System should be vented

SUBSURFACE DISPOSAL AREA/TYPE

○ Trench Disposal Area
Total linear feet of trench _____ ft.
Number of Trench lines _____ ft.
Length of each trench line _____ ft.
Depth of Stone _____ inches.
Reduction on trench length due to stone depth _____ %

● Bed Disposal Area
Total bed area 2000 sq. ft.
Number of beds 1
Width 20 ft. Length 100 ft.

○ Chamber Disposal Area
Total chamber area _____ sq. ft.
Number of clusters _____
Width _____ ft. Length _____ ft.
○ H-20 required

SYSTEM SIZE RATING

○ Small ○ Medium ● Medium Large ○ Large ○ Extra Large

DISPOSAL AREA ELEVATION

Depth of Upslope Fill required 16 inches.
Depth of Downslope Fill required 28 inches.
Reference Elevation Point established at 100.0' Elevation.
Disposal Area Bottom to be established at 94.75' Elevation.
Top of Distribution Lines or Top of Chambers 95.5' Elevation.

● Yes ○ No: The proposed subsurface disposal 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 disposal 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 USE BY SITE EVALUATOR

On 3-13-81 (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 above type and size of subsurface wastewater disposal system. I also recommend the proposed disposal system layout and location shown on page 2.

Signature of Site Evaluator: Gerald C Poulin — Date signed 3-13-81 — Site Evaluator License Number 79

FOR USE BY OWNER/APPLICANT

I certify that all the information submitted to be true and correct to the best of my knowledge. I understand that any falsification of this application is reason to deny a permit to install a disposal system and that the permit is valid for a six (6) month period from the date of permit issuance. I also understand that no guarantee is intended or implied by reason of any advice or approval given.

Signature of Owner/Applicant: [illegible] City of Augusta Public Works — Date Signed 3/14/81

FOR USE BY LPI: ☑ This Application is approved. If conditions, specify:
○ This Application is Denied due to: ○ System is not in accordance with Rules. ○ Application is incomplete. ○ Application is unclear. ○ Development is in violation of other Regulations. Specify _____

Signature of LPI: Richard G. Baker — Date 3-16-81

PERMIT NO. _____ E

Date Issued / /8

APPLICATION FOR SUBSURFACE WASTEWATER DISPOSAL PERMIT

PROPERTY LOCATION			
AUGUSTA Town, Plantation	NORTH ST Street, Road	Subdivision Name	Lot No.

~~PROPERTY OWNER or~~ APPLICANT: ELMER DEGON

DISPOSAL AREA ELEVATION
Depth of Upslope Fill required 16 inches.
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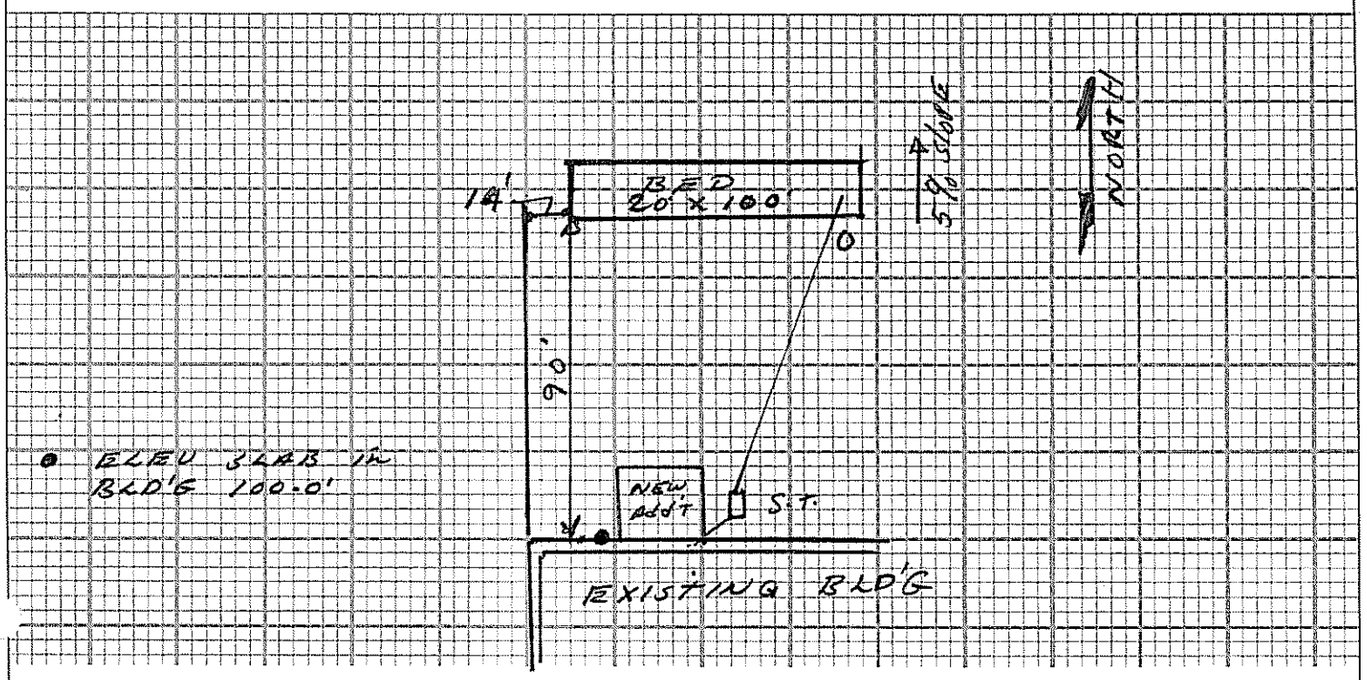
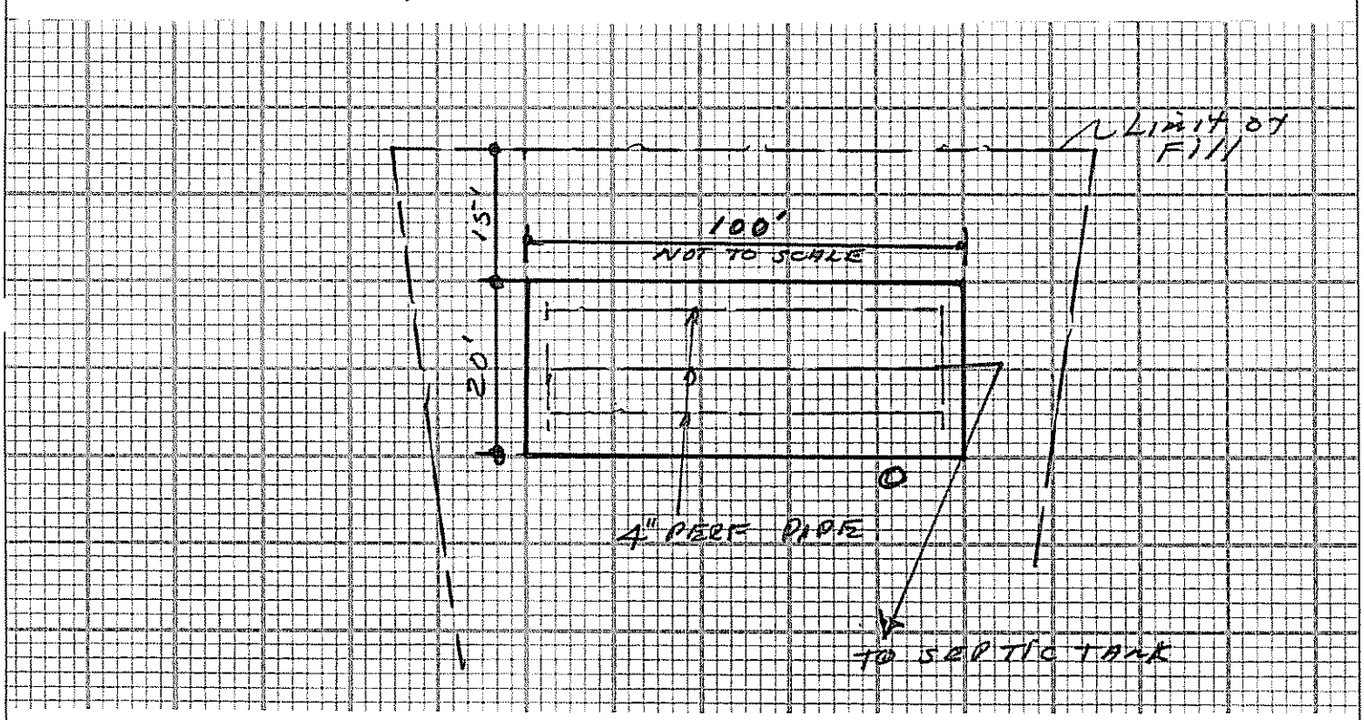
Disposal Area Bottom to be established at 94.75 Elevation.
Top of Distribution Lines or Top of Chambers 95.5 Elevation.

Site Plan — Scale 1" = 50 ft.

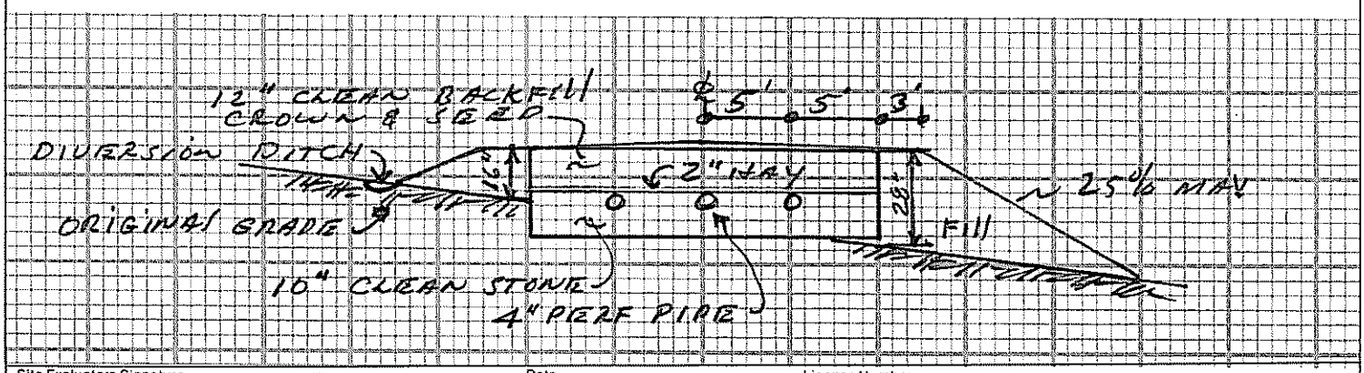


● Designates Elevation Reference Point (ERP)
○ Designates Observation Hole (TP or B)

Subsurface Wastewater Disposal Plan — Scale 1" = 20' or _____



Subsurface Wastewater Disposal Area Cross-section — Scale: Vertical: 1" = 10' Horizontal: 1" = 4'



Site Evaluators Signature	Date	License Number
Gerald C Poulin	3-13-80	79

City of Augusta Highway Garage
North St.

Date	Meter Readings
1-6-81	5500 c.f.
10-6-80	5400 c.f.
7-7-80	5900 c.f.
4-7-80	5900 c.f.
1-7-80	5800 c.f.
	28,500 c.f.

$$Q_{AVE,1980} = 5700 \text{ c.f./QTR.}$$

Observation

1. Garage houses approximatly 40 men
2. Some of water metered was used to wash vehicles and did not enter disposal system

Design Criteria

1. Ingnore water used to wash vehicles
2. Allow for 20% growth
3. Soil requires 3.3 ft^2/GPD

$$Q_{DESIGN} = \left[\frac{(5700 \text{ c.f./QTR.})(7.45 \text{ gal/c.f.})}{90 \text{ days/QTR.}}\right][1.20]$$

$$= 566.2 \text{ GPD}$$

$$\text{Septic Tank Size} = (566.2 \text{ GPD})(1.5 \text{ gal/GPD}) = 849.3$$

$\therefore$ Use 1000 gal tank

$$\text{Bed Size} = (3.3 \text{ ft}^2/\text{gpd})(566.2 \text{ GPD}) = 1868 \text{ ft}^2$$

$\therefore$ Use 20' x 100' bed
$A = 2000 \text{ ft}^2$