

Cloutier, Dominique II

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

APPLICATION FOR SUBSURFACE WASTEWATER DISPOSAL PERMIT

HHE-200

Page 1 of 2

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 Replacement System Variance With LPI Approval Dept. Review New System Variance

PROPERTY LOCATION

AUGUSTA Town, Plantation **Blair Road** Street, Road **Blair Estates** Subdivision Name **5** Lot No.

PROPERTY OWNER or APPLICANT
Dominique Cloutier II

Mailing Address **Riverside Mobile Home Park** Street **Lot 33** Tel. No. **622-4476**

Augusta Town **Maine** State **04330** Zip Code

TYPE OF STRUCTURE, DESIGN FLOW

Single Family Dwelling Number of Bedrooms **3** Design Flow **270** GPD

Design Flow based on Minimum Moderate Conservative

Reduction in Design Flow due to Water Conservation

If so, specify type (s) _____

Other Establishment. Specify _____ Type of Facility _____

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

Design Flow _____ GPD

If greater than 2000 GPD, Specify Professional Engineer _____

LOCATION PLAN OF PROPERTY

Roads, Landmarks, Distances

PROPERTY INFORMATION

Area of Property **1.64** 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 **to be drilled**

Dug Well _____ depth Well Point Spring Surface Water

SOIL PROFILE DESCRIPTION Location of Observation Holes shown on page 2

TEXTURAL DESCRIPTION EACH SOIL STRATS ENCOUNTERED	Observation Hole No. 4	
	<input checked="" type="radio"/> Test Pit <input type="radio"/> Boring	
	Organic Strata or (Existing Fill) Thickness 1"	
	1st Original Mineral Soil Strata Depth from 0 to 38 Thickness 38	
	2nd Depth from _____ to _____ Thickness _____	
	3rd Depth from _____ to _____ Thickness _____	
Depth from top of ORIGINAL MINERAL SOIL	Maximum Seasonal High Ground <input type="radio"/> None evident <input type="radio"/> Water Table Depth 32	
	Depth to Restrictive Layer <input type="radio"/> None evident	
	Depth to Bedrock <input type="radio"/> None evident <input type="radio"/> 38	
PROFILE 2 CONDITION A SLOPE 17%		

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

<p>TYPE OF SYSTEM</p> <p><input checked="" type="radio"/> Combined System</p> <p><input type="radio"/> Separated System</p> <p>If separated system, type of black waste disposal system to be used:</p> <p><input type="radio"/> Compost</p> <p><input type="radio"/> Pit Privy</p> <p><input type="radio"/> Sealed Vault Privy</p> <p><input type="radio"/> Other: _____</p> <p>Specify: _____</p> <p><input type="radio"/> Separated Laundry System</p> <p><input type="radio"/> Primitive System</p> <p><input type="radio"/> Holding Tank</p>	<p>TREATMENT TANK</p> <p><input checked="" type="radio"/> Septic Tank</p> <p><input type="radio"/> Aerobic Tank</p> <p>Size 1,000 Gals.</p> <p>DOSAGE</p> <p><input checked="" type="radio"/> Pumping is not required</p> <p><input type="radio"/> Pumping is required</p> <p>The dose should be: _____ Gals.</p> <p>Dosage chamber capacity shall be _____ gals.</p> <p><input type="radio"/> System should be vented</p>	<p>SUBSURFACE DISPOSAL AREA/TYPE</p> <p><input type="radio"/> Trench Disposal Area</p> <p>Total linear feet of trench _____ ft.</p> <p>Number of Trench lines _____ ft.</p> <p>Length of each trench line _____ ft.</p> <p>Depth of Stone _____ inches.</p> <p>Reduction on trench length due to stone depth _____ %</p> <p><input checked="" type="radio"/> Bed Disposal Area</p> <p>Total bed area 900 sq. ft.</p> <p>Number of beds 1</p> <p>Width 20 ft. Length 45 ft.</p> <p><input type="radio"/> Chamber Disposal Area</p> <p>Total chamber area _____ sq. ft.</p> <p>Number of clusters _____</p> <p>Width _____ ft. Length _____ ft.</p> <p><input type="radio"/> H-20 required</p>	<p>SYSTEM SIZE RATING</p> <p><input type="radio"/> Small <input type="radio"/> Medium <input checked="" type="radio"/> Medium Large <input type="radio"/> Large <input type="radio"/> Extra Large</p> <p>DISPOSAL AREA ELEVATION</p> <p>Depth of Upslope Fill required 10 inches.</p> <p>Depth of Downslope Fill required 50 inches.</p> <p>Reference Elevation Point established at 0" Elevation.</p> <p>Disposal Area Bottom to be established at -38" Elevation.</p> <p>Top of Distribution Lines or Top of Chambers -27" Elevation.</p> <p><input checked="" type="radio"/> Yes <input type="radio"/> 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.</p> <p><input checked="" type="radio"/> Yes <input type="radio"/> 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.</p>
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FOR USE BY SITE EVALUATOR

On **4/8/81** (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: *Lloyd Rowe* Site Evaluator License Number: **0042**

Date signed: **4/10/81**

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: *Dominique Cloutier*

Date Signed: **5-11-81**

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 _____

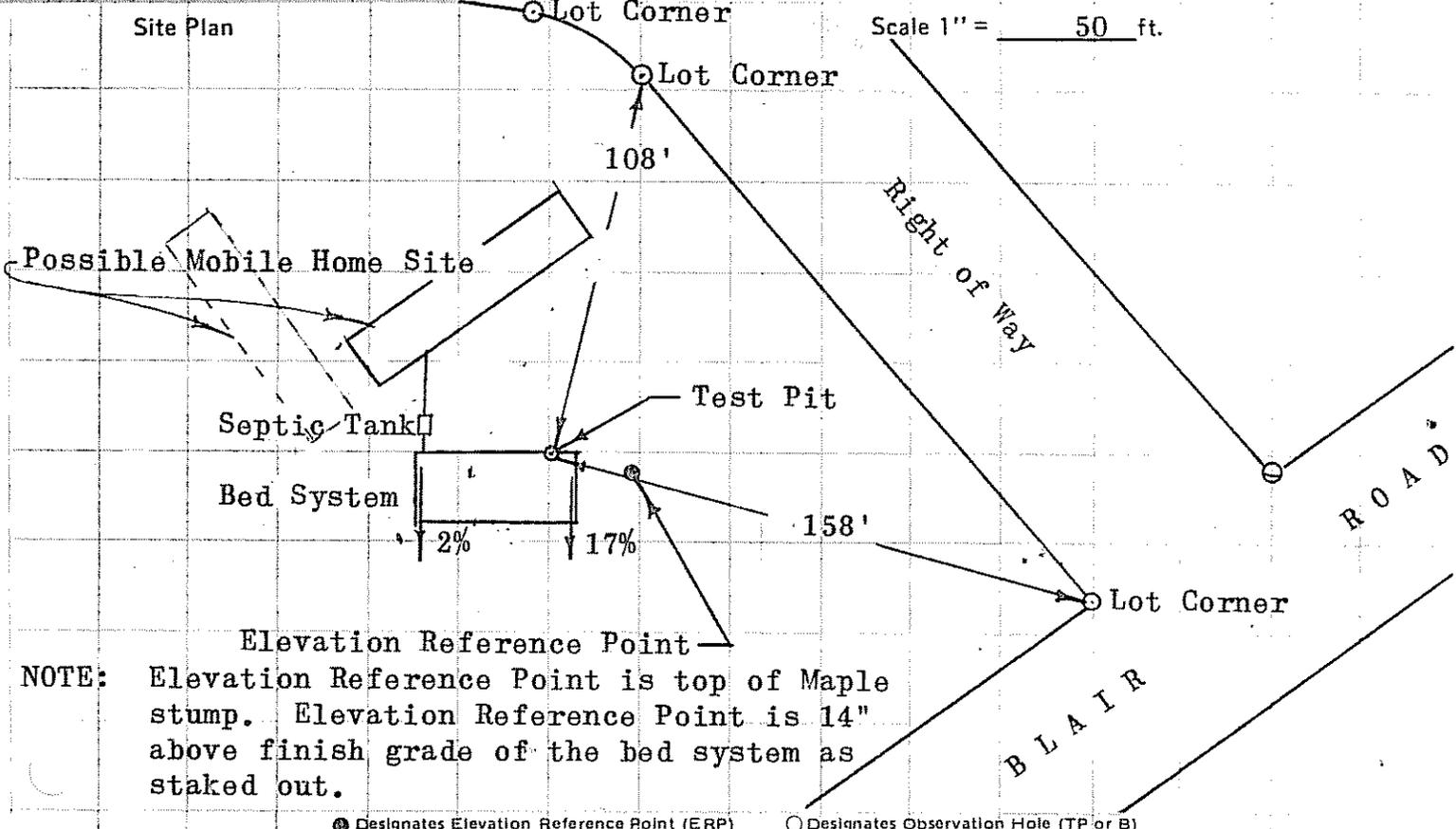
Signature of LPI: *Annie R. Bickford* PERMIT NO. **42523 E**

Date: **5-11-81** Date Issued: **5/11/81**

PROPERTY LOCATION AUGUSTA	Blair Road	Blair Estates	5
Town, Plantation	Street, Road	Subdivision Name	Lot No.
PROPERTY OWNER or APPLICANT Dominique Cloutier II	DISPOSAL AREA ELEVATION		Reference Elevation Point established at <u>0"</u> Elevation.
	Depth of Upslope Fill required <u>10</u> inches.	Disposal Area Bottom to be established at <u>-38"</u> Elevation.	Top of Distribution Lines or Top of Chambers <u>-27"</u> Elevation.
	Depth of Downslope Fill required <u>50</u> inches.		

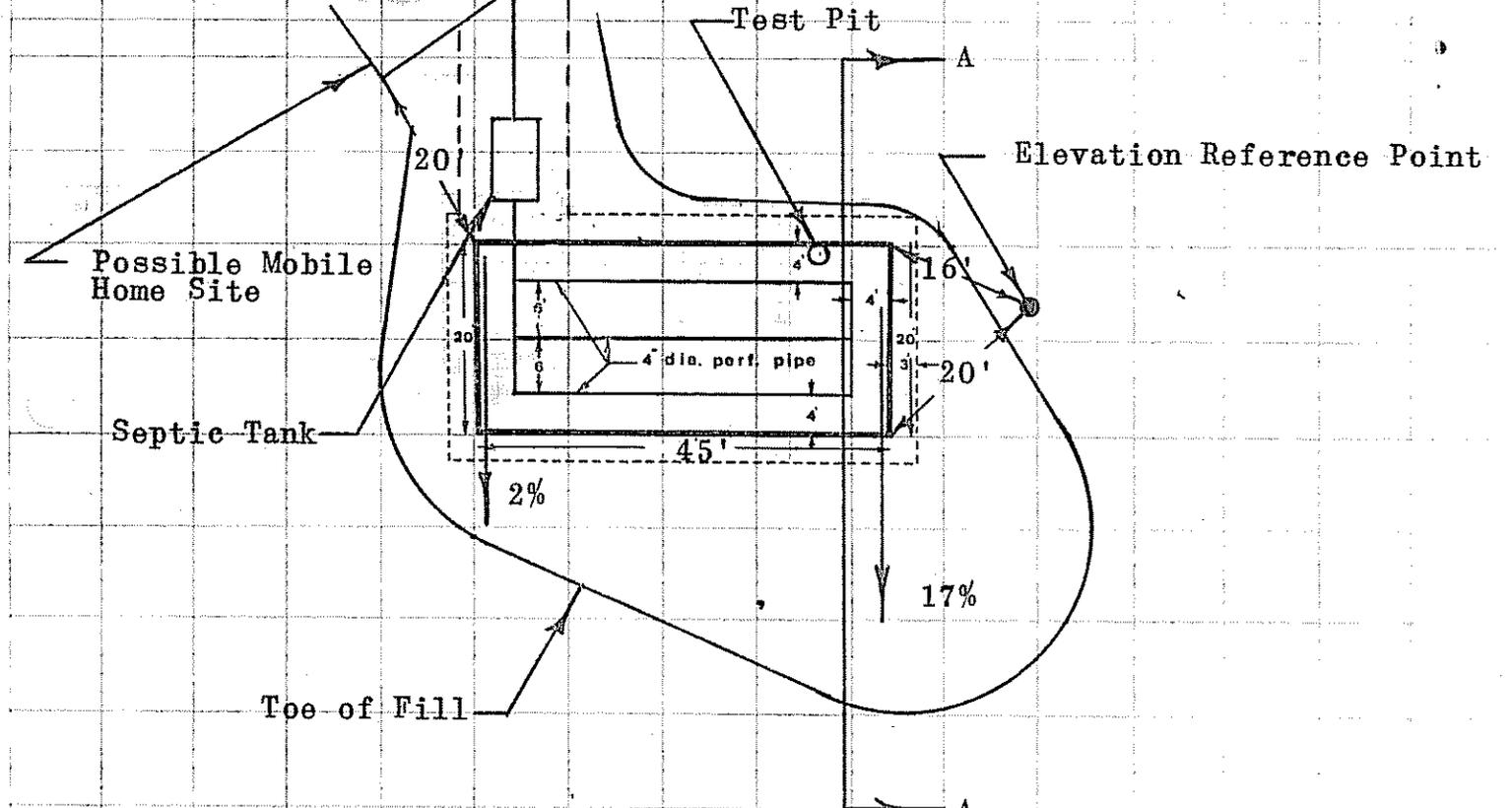
Site Plan

Scale 1" = 50 ft.



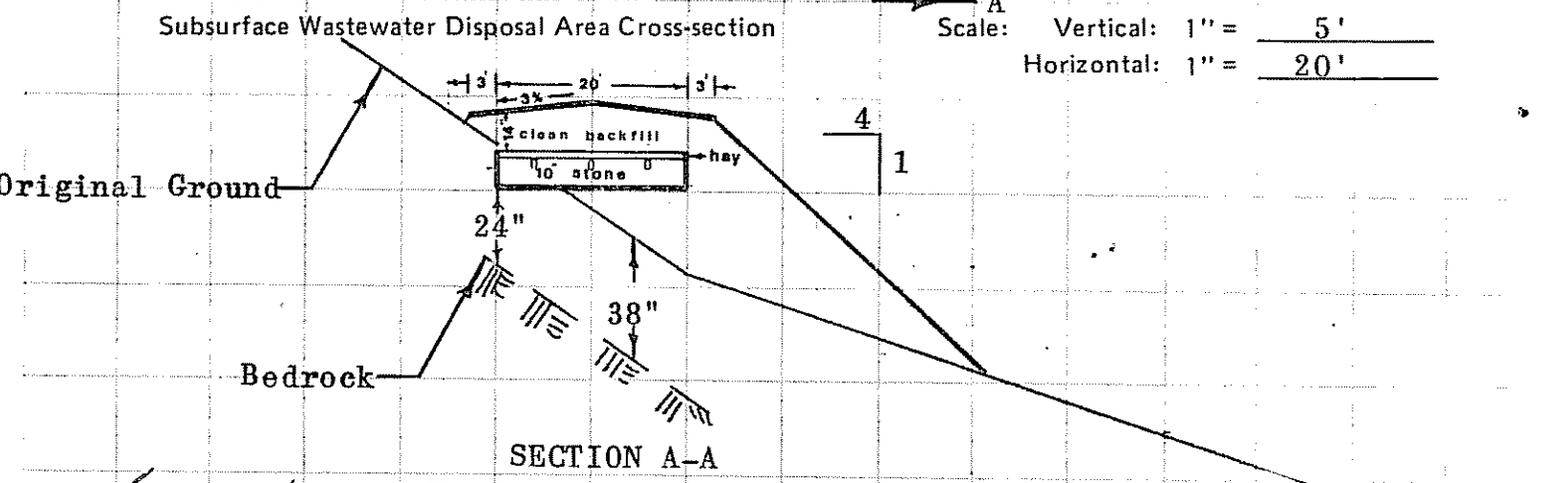
Subsurface Wastewater Disposal Plan

Scale 1" = 20' or _____



Subsurface Wastewater Disposal Area Cross-section

Scale: Vertical: 1" = 5'
Horizontal: 1" = 20'



Site Evaluator's Signature
Lloyd C. Rowe

Date
4/10/81

License Number
0042

Rowe & Ellis

18 SILVER STREET - WATERVILLE, MAINE 04901

(207)873-5808

April 10, 1981

Mr. Dominique Cloutier II
Riverside Mobile Home Park Lot 33
Augusta, Maine 04330

Dear Mr. Cloutier;

The enclosed papers are not a plumbing permit. Construction of the sewage system should not be started until after the permit is issued by the local plumbing inspector. Additional fees may be levied by the plumbing inspector for violations.

Occasionally, for various reasons, the original design is not approved by the inspector or by the Health Engineering division of the Department of Human Services. If construction has already started, it is very expensive to change the system to something that will meet approval of the permitting authorities.

Occasionally there may be an error or omission from the HHE 200 form. Should this happen, or, if you have questions about the report, contact me at your earliest convenience for clarification or corrections. There is no additional charge for short consultations

Property lines shown on the maps are only apparent lines and are subject to all the problems and interpretations of any property line. We do not accept responsibility for errors in the apparent lines shown on these maps unless specifically asked to determine the correct lot lines. Costs for this service can be considerable under some circumstances.

This test and papers are good as long as your plumbing inspector will issue a permit based on them. The Maine Plumbing Code does change nearly every year, but there is no general ruling on validity of tests performed before the changes were made.

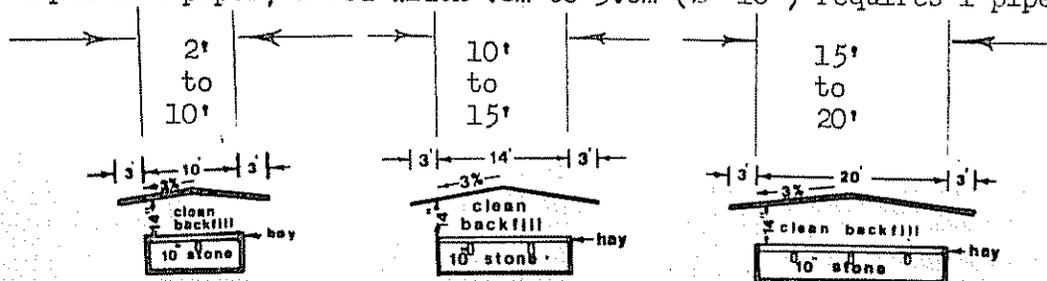
Most tests performed since 1974 are still acceptable if the person who did the test is now a site evaluator.

Longevity of the system is unpredictable. Factors affecting longevity are:

Quality of Construction

1. The vegetation shall be removed from the ground surface under the disposal and fill area.
2. Surface areas under the bed and fill extension should be scarified or tilled to minimize soil glazing of the original soil.
3. Wastewater from a treatment tank or distribution box shall be discharged to the bed by means of:

- A. GRAVITY - a watertight pipe at least 10 cm (4") in diameter with a pitch of at least 5 mm per meter (1/16" per foot).
 - B. PRESSURE - a watertight pipe at least 3.8 cm (1 1/2") in diameter. A watertight pipe of at least 5.1 cm (2") shall be installed if pumping solids.
- 4. The distribution lines shall consist of perforated pipe, wooden vee plank or agricultural tile meeting the requirements of the Maine Plumbing Code.
 - 5. The distribution system shall be designed to equally distribute wastewater in the disposal area. Distribution lines shall be equally spaced in the disposal area. The lines shall be no farther than 1.5 meters (5') from the sidewall and a maximum of 2 meters (6.5') apart. A bed width 4.6m to 6m (15'-20') requires 3 pipes; a bed width 3.0m to 4.6m (10'-15') requires 2 pipes; a bed width .6m to 3.0m (2'-10') requires 1 pipe.



- 6. A distribution box may be used to distribute equal volumes of wastewater into separate beds or beds may be connected in series in accordance with the Maine Plumbing Code.
- 7. The bottom of the stone and the distribution lines shall be level.
- 8. At least 25 cm (10") of clean stone or similar durable and insoluble material of uniform size, 1.9 cm to 7.5 cm (3/4"-3") shall be used in the bottom of the disposal area. The distribution system shall be installed totally within the stone.
- 9. The stone shall be completely covered with at least 5 cm (2") layer of compressed hay or straw to prevent sifting of backfill material into the stone. One layer of Dupont "Typar" (4 oz.) or 5 cm (2") of fiberglass insulation may be used in lieu of hay or straw.
- 10. 20 cm to 30 cm (8"-12") of clean backfill shall be carefully placed over the hay or straw.
- 11. Clean fill is to be placed in 20 centimeter (8") layers and then thoroughly compacted as it is placed.
- 12. The surface of fill shall extend from the disposal area a distance of 1 meter (3') at a 3 percent slope, then sloped on a uniform grade no greater than 25% (4:1) to meet the original ground.
- 13. The fill between beds shall be compacted to minimize the chance of seepage.
- 14. The perimeter of the disposal area and fill extension shall be graded and diversion ditches installed to divert ground and surface waters when necessary.

15. The disposal area and fill shall be stabilized to prevent erosion.

Use and Maintenance of the System

1. This system is designed for 270 gallons per day of domestic sewage. Under those conditions, the septic tank should be cleaned every 2 to 5 years.

New systems should last between 10 and 25 years if they are properly designed, constructed and maintained. However, this design and document does not give a guarantee for longevity of the system. There are so many other variables that contribute to the longevity of a system, that any problems must be resolved with the owner, contractor, plumbing inspector, designer, and possibly the Division of Health Engineering, Department of Human Services, State of Maine.

