

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Department of Human Services
Division of Health Engineering, SHS
(207) 287-5672 Fax (207) 287-3165

Called 7/17 12:15

PROPERTY LOCATION

>> Caution Permit Required - Attach in Space Below <<

City, Town, or Plantation: AUGUSTA
Street or Road: 203 Middle Road
Subdivision, Lot #: _____

AUGUSTA 5121 TOWN COPY
Date Permit Issued: 7/17/03 \$ 1000 Double Fee Charged
Local Plumbing Inspector Signature: [Signature] L.P.I. # 1000

OWNER/APPLICANT INFORMATION

Name (last, first, MI): Cote Roland K. Owner Applicant
Mailing Address of Owner/Applicant: 11 Chickadee Lane
Read Field, Me. 04355
Daytime Tel. #: 685-3699 (24-3442/day)

Municipal Tax Map # 1 Lot # 15A

Owner or Applicant Statement

I state and acknowledge that the information submitted is correct to the best of my knowledge and understand that any falsification is reason for the Department and/or Local Plumbing Inspector to deny a Permit.

Caution: Inspection Required
I have inspected the installation authorized above and found it to be in compliance with the Subsurface Wastewater Disposal Rules Application.

Signature of Owner or Applicant: Roland K. Cote Date: 6/7/03

Local Plumbing Inspector Signature: [Signature] Date Approved (1st): 7/30/03
Date Approved (2nd): 8/1/03

PERMIT INFORMATION

TYPE OF APPLICATION

THIS APPLICATION REQUIRES

DISPOSAL SYSTEM COMPONENTS

- 1. First Time System
- 2. Replacement System
Type Replaced: 1980
Year Installed: Stone Bed
- 3. Expanded System
 - a. Minor Expansion
 - b. Major Expansion
- Experimental System
- Seasonal Conversion

- 1. No Rule Variance
- 2. First Time System Variance
 - a. Local Plumbing Inspector Approval
 - b. State & Local Plumbing Inspector Approval
- 3. Replacement System Variance
 - a. Local Plumbing Inspector Approval
 - b. State & Local Plumbing Inspector Approval
- 4. Minimum Lot Size Variance
- 5. Seasonal Conversion Approval

- 1. Complete Non-engineered System
- 2. Primitive System (graywater & alt. toilet)
- 3. Alternative Toilet, specify: _____
- 4. Non-engineered Treatment Tank (only)
- 5. Holding Tank, _____ gallons
- 6. Non-engineered Disposal Field (only)
- 7. Separated Laundry System
- 8. Complete Engineered System (2000 gpd or more)
- 9. Engineered Treatment Tank (only)
- 10. Engineered Disposal Field (only)
- 11. Pre-treatment, specify: _____
- 12. Miscellaneous Components

SIZE OF PROPERTY

DISPOSAL SYSTEM TO SERVE

TYPE OF WATER SUPPLY

3 sq. ft. acres

- 1. Single Family Dwelling Unit, No. of bedrooms: _____
 - 2. Multiple Family Dwelling, No. of Units: 2
 - 3. Other: _____ (specify)
- Current Use: Seasonal Year Round Undeveloped

- 1. Drilled Well 2. Dug Well 3. Private
- 4. Public 5. Other: _____

SHORELAND ZONING
 Yes No

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

TREATMENT TANK

DISPOSAL FIELD TYPE & SIZE

GARBAGE DISPOSAL UNIT

DESIGN FLOW

- 1. Concrete
 - a. Regular
 - b. Low profile
 - 2. Plastic
 - 3. Other: _____
- CAPACITY 1250 gallons

- 1. Stone Bed 2. Stone Trench
 - 3. Proprietary Device
 - a. Cluster array c. Linear
 - b. Regular load d. H-20 load
 - 4. Other: _____
- SIZE 2000 sq. ft. lin. ft.

- 1. No 2. Yes 3. Maybe
- If Yes or Maybe, specify one below:
- a. Multi-compartment Tank
 - b. _____ Tanks in Series
 - c. Increase in Tank Capacity
 - d. Filter on Tank Outlet

450 gallons per day
BASED ON:
 1. Table 501.1 (dwelling unit(s))
 2. Table 502.2 (other facilities)

SHOW CALCULATIONS - for other facilities -

SOIL DATA & DESIGN CLASS
PROFILE CONDITION DESIGN
B 1 D 1 3
at Observation Hole # 3
Depth 12 " Elevation -70 "
OF MOST LIMITING SOIL FACTOR

- ### DISPOSAL FIELD SIZING
- 1. Small -- 2.0 sq. ft./gpd
 - 2. Medium -- 2.6 sq. ft./gpd
 - 3. Medium-Large -- 3.3 sq. ft./gpd
 - 4. Large -- 4.1 sq. ft./gpd
 - 5. Extra-Large -- 5.0 sq. ft./gpd

EFFLUENT/EJECTOR PUMP

- 1. Not Required
 - 2. May Be Required
 - 3. Required
- Specify only for engineered systems:
DOSE: _____ gallons

1 - Three Bedroom PLUS
1 - Two Bedroom

3. Section 503.0 (meter readings)

ATTACH WATER-METER DATA

SITE EVALUATOR STATEMENT

I certify that on 6/7/03 (date) I completed a site evaluation on this property and state that the data reported are accurate and that the proposed system is in compliance with the State of Maine Subsurface Wastewater Disposal Rules (10-144A CMR 241).

David P. Kocane
Site Evaluator Signature
David P. Kocane
Site Evaluator Name Printed

154
SE #
622-7487
Telephone #

6/7/03
Date

RECEIVED
JUL 11 2003
Page 1 of 3
HHE-200 Rev. 8/01

Note: Changes to or deviations from the design should be confirmed with the Site Evaluator.

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Department of Human Services
 Division of Health Engineering, Station 1
 (207) 287-5672 FAX (207) 287-3165

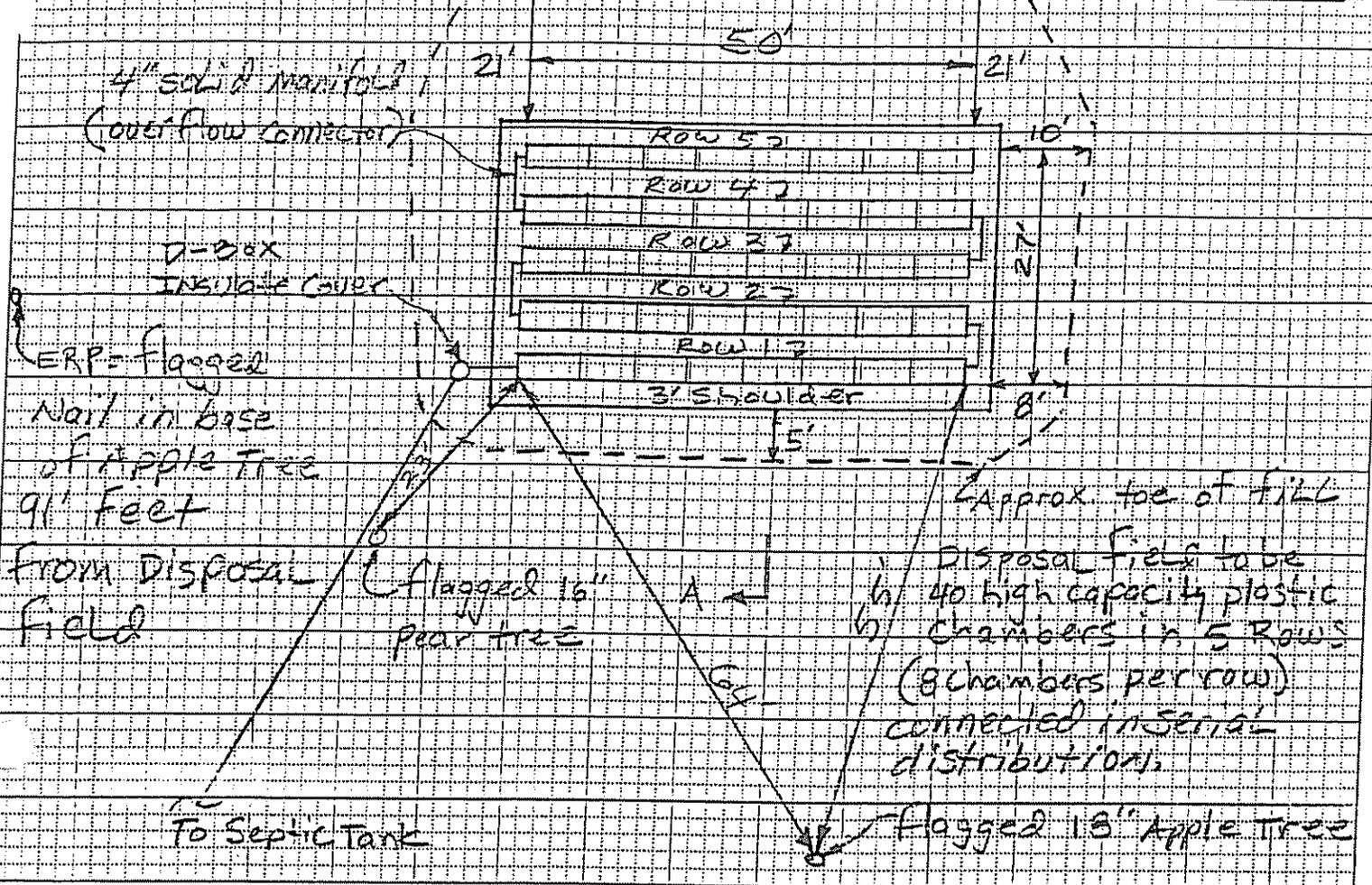
Town, City, Plantation
AUGUSTA

Street, Road, Subdivision
MIDDLE ROAD

Owner or Applicant Name
ROLAND COTE

SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale: 1" = 20 ft.



Disposal field to be
 in 40 high capacity plastic
 chambers in 5 rows
 (8 chambers per row)
 connected in serial
 distribution.

BACKFILL REQUIREMENTS

Depth of Backfill (upslope) 24"
 Depth of Backfill (downslope) 26"
 DEPTHS AT CROSS-SECTION (shown below)

CONSTRUCTION ELEVATIONS

Finished Grade Elevation see below"
 Top of Distribution Pipe or Proprietary Device _____"
 Bottom of Disposal Field _____"

ELEVATION REFERENCE POINT

Location & Description: Flagged nail at base of Apple tree
 Reference Elevation is: 0.0" or _____"

BASED ON 16" CHAMBERS DISPOSAL FIELD CROSS-SECTION

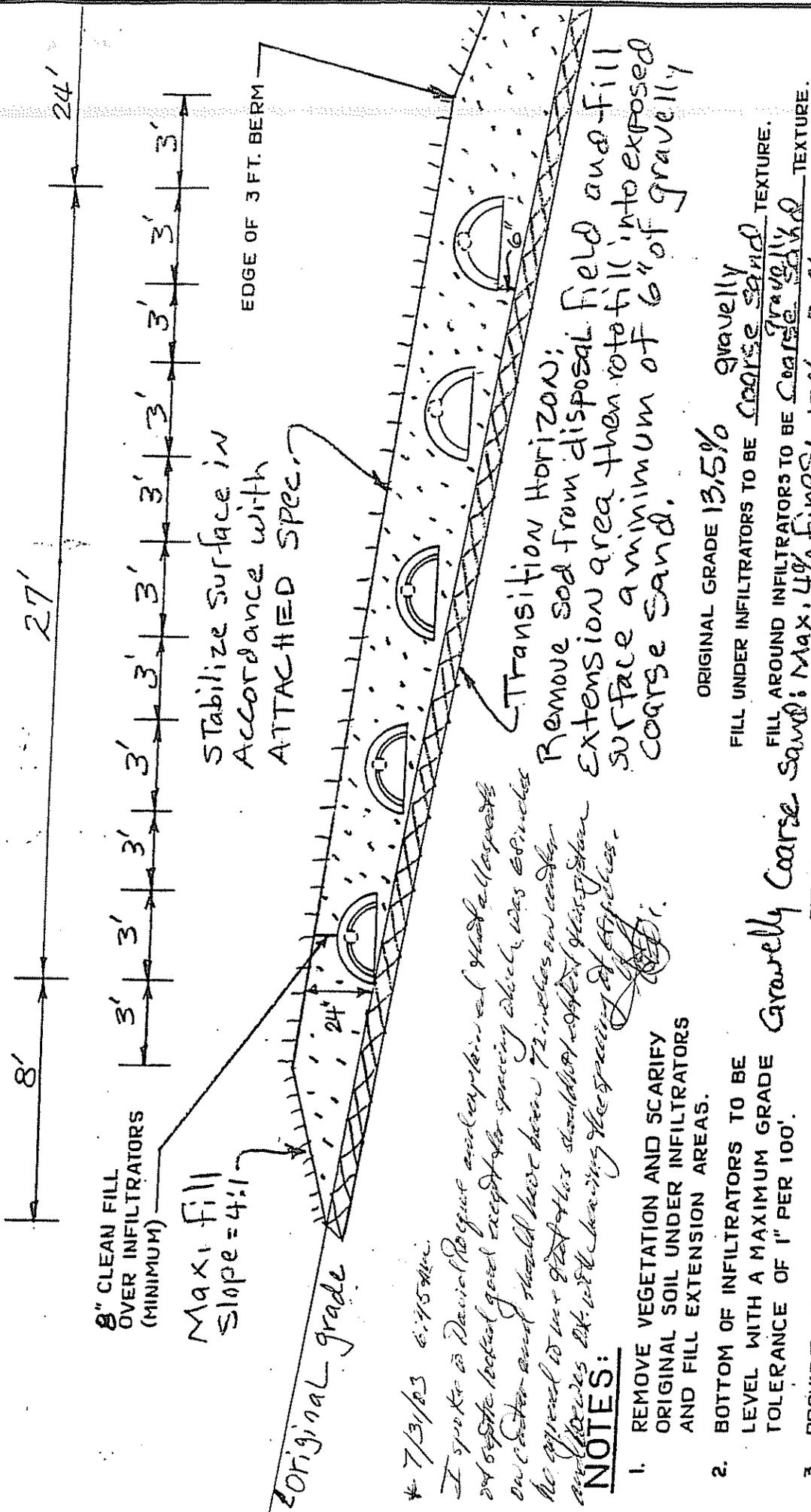
| Row # | BOTTOM Trench | Top Chambers | Finished Grade | Scales: |
|-------|---------------|--------------|----------------|--|
| | | | | Vertical: 1" = 1 ft. Horizontal: 1" = 1 ft. |
| 1 | -14" | +2" | +10" | |
| 2 | -22" | -6" | +2" | |
| 3 | -30" | -14" | -6" | |
| 4 | -39" | -22" | -14" | |
| 5 | -48" | -30" | -22" | |

David P. Gougeon
 Site Evaluator Signature

154
 SE #

7/6/03
 Date

INFILTRATOR CROSS SECTION 13-14%



7/31/03 6:45 am
 I spoke to David Racque and explained that all aspects of the bid had been explained and that the spacing which was 60 inches on center and should have been 72 inches on center. He agreed to use that but he should not expect that the spacing and the notes at all with bearing the spacing of 60 inches.

NOTES:

1. REMOVE VEGETATION AND SCARIFY ORIGINAL SOIL UNDER INFILTRATORS AND FILL EXTENSION AREAS.
2. BOTTOM OF INFILTRATORS TO BE LEVEL WITH A MAXIMUM GRADE TOLERANCE OF 1" PER 100'.
3. PROVIDE FOR SURFACE DRAINAGE AWAY FROM INFILTRATOR AREA.
4. FINISHED GRADE SHALL BE SEEDED AND MULCHED TO PREVENT EROSION.

| | | | | | |
|------------------------------------|---------------------------|-------------------------|------|------------------|-------|
| SITE EVALUATOR: David P. Racque | | NUMBER OF INFILTRATORS: | 40 | PERCENT SLOPE: | 13.5% |
| OWNER: Roland Cote | | ELEVATIONS: | | | |
| LOCATION: Augusta | | REFERENCE PT. | 0 | BOTTOM TRENCH #1 | -14" |
| MIDDLE ROAD | | BOTTOM TRENCH #2 | -22" | BOTTOM TRENCH #3 | -30" |
| DATE: 6/7/03 | SCALE: 1 INCH = 5 FEET | BOTTOM TRENCH #1 | | | |



Pat Jackson Inc. / Tri-City

Septic Tank Cleaning Service

Inspection Number: 2003 - 3614 - 209

----- Septic System Inspection -----

Date Ordered: 05/27/2003
By Whom: Earl Kenney
Requesting Agency
Date Completed: 05/30/2003

Telephone: 623-1123

Name/Own: Roland Cote
Site Address: 202 Middle Road
*
AUGUSTA, ME 04330

Billing Name: Shawn & Kathleen LaFrance
Billing Address: 2 Marc Drive 1-B-3
PLYMOUTH, MA 02360

Phone Number

Phone Number:

Picture Numbers: 252-5219 to 252-5234

Inspection conducted by: James Cushing

Section A: Preliminary Information

- 1. Estimated age of dwelling: 100 yrs +
- 2. Estimated age of sewage disposal system currently in use: early to mid 1970's
- 3. Most recent number of people occupying dwelling: 6
- 4. Is dwelling currently being occupied: Yes
- 5. If dwelling is presently unoccupied, for how long has it been vacant:

NOTE 5A: If vacancy is greater than one week or the system has only been minimally used, only estimations and opinions may be given as to the functional operations and performance of the system when put into use.

- 6. Type of water source: Drilled Well
- 7. Is the dwelling occupied only on a seasonal basis: No
If yes, at what frequency :

- 8. When was the treatment tank last pumped: 2002
What is the typical pumping frequency: 2 yrs

NOTE 8A: If the sewage disposal system has not been serviced within the past two years then the treatment tank may need to be pumped through the main central manhole.

Pump the tank if you know that the following conditions exist:

- a. The tank has an unplugged hole and or possible structural damage
- b. You do not have enough background information (ie service records) to evaluate the present condition of the tank.

Exception

If the system is overloaded, DO NOT PUMP until the root cause of the condition is remedied. Pumping the system would not allow an objective inspection if a second opinion is sought.

After you pump a tank, keep detailed records on file that include:

- Was treatment tank or absorption system overloaded?**
- Did the absorption system flow effluent back into the treatment tank?**

- 9. Has the washing machine water been disconnected from the sewage disposal system: No

Section B: Treatment Tank

| | | | |
|--------------|-----|---------------|----------------------|
| Septic Tank: | Yes | Est Capacity: | 1000 gallon concrete |
| Pump Tank: | No | Est Capacity: | |
| Grease Trap: | No | Est Capacity: | |
| Other Tank: | No | Est Capacity: | |

Section C: Condition of Treatment Tank

- 1. When the tank was last pumped, were these components inspected at that time No
- 2. Top/Cover - Sat
- 2a Inlet Cover - 12"x16" Sat
- 2b Outlet Cover - 6"x9" Sat
- 3. Inlet Baffle - Sat
- 4. Outlet Baffle - Sat
- 5. Liquid Level - Sat
- 6. Thickness of Scum 2" inches Sat
- 7. Depth of Sludge 9" inches Sat
- 8. Elec./Mech. Operations of Pumps N/A
- 9. Line between Treatment Tank and Absorption System. Sat

*Satisfactory is based on opinions, on condition, operation, and/or whether the component would be judged adequate by current standards

Section C Comments (See Appendix 1)

Section D: Absorption System

| | |
|----------------------|----------------------------------|
| Est Cesspool: | Est Capacity: |
| Est Seepage Bed: xxx | Est Absorption Area: 20'x30' + . |
| Est Trench System: | Est Absorption Area: |
| Chambers: | Est Absorption Area: |
| Other (Specify): | |

Section E: Condition of Absorption System

- | | |
|---|-----|
| 1. Was treatment tank pumped? | No |
| -Was tank pumping recommended? | Yes |
| -Was liquid level at the invert of the outlet pipe in the treatment tank? | Yes |
| 2. Evidence of Current Failure? | Yes |
| 3. Indications of previous failures: | No |
| **if yes, please comment** | |
| 4. Is seepage visible on the lawn? | Yes |
| Is lush vegetation present? | No |
| 5. Does effluent discharge on the ground or into a body of water? | No |

Section E Comments (See Appendix 2)

Section F: Checklist Summary

- | | |
|---|-----|
| 1. Is the treatment tank currently satisfactory, and in good working condition? | Yes |
| 2. Is the absorption system currently satisfactory* and in good working condition? | No |
| 3. Is a pump necessary to transport effluent from the treatment tank to a soil absorption system? | N/A |
| If yes, is pump operation satisfactory? | N/A |
| 4. Is a pump necessary to transport sewage from the home to the tank? | N/A |
| If yes, is pump operation satisfactory? | N/A |

*Satisfactory is based on opinions, on condition, operation, and/or whether the component would be judged adequate by current standards

Section G: Company Disclaimer

All statements are the opinions of Pat Jackson Inc.

1. In order to do a thorough inspection of a septic system, Pat Jackson Inc. must physically dig up covers on septic tanks and inspection holes. These will be conducted with the least disruption of property as reasonably possible.
2. Based upon our opinions and observations and our considerable experience in on site wastewater technology, we submit this Septic System Inspection Checklist based on the present condition of the on-site sewage disposal system. Our company has not been retained to warrant, guarantee, or certify the proper functioning of the system for any period of time in the future. Because of the numerous factors (usage, soil characteristics, previous failures, ground water, etc.) which may affect the proper operation of a septic system as well as the inability of our company to supervise or monitor the use or maintenance of the system, this report shall not be construed as a warranty by our company that the system will function properly for any particular perspective buyer. Pat Jackson Inc. disclaims any warranty, either expressed or implied, arising from the inspection of the septic system or this checklist. We are also not ascertaining the impact the system is having on the ground water.
3. During winter months with extreme weather conditions (snow & frost) Pat Jackson Inc can only make estimated based on the inspectors best judgments and opinions. Pat Jackson Inc. will return if retained to re-inspect the system during the summer months when snow and frost are gone to verify estimation and opinions.
4. Pat Jackson Inc. recommends second opinions and will supply names of other companies doing inspections if called.

- 5. Maine Subsurface Disposal Rules require the washing machine to be connected to the septic tank or put into an approved gray water system.
- 6. Pat Jackson Inc finds and located septic systems on the ground and does not determine property lines or location of systems in relation to property lines. If this is needed a licensed land surveyor should be retained for this purpose.
- 7. This report shall remain the sole property of Pat Jackson, Inc. Pat Jackson, Inc. reserves the right to distribute this report at it's sole discretion.

Thank you for allowing us the opportunity to be of service.
If you have any additional questions please do not hesitate to call.

INSPECTING COMPANY:

**Pat Jackson Inc.
32 Stony Brook Road
Augusta Maine 04330
Office: (207) 623-3223
Fax: (207) 495-2731**

I have studied the information contained herein and assert that my assessment is honest, thorough, and to the best of my ability true and correct.

This inspection meets HUD requirements in Handbook 4150, Rev-1, Page 12-42 to 12-45, Section 12-16.

Signature: Copy for Contractor

Date: 7/30/30

**James Cushing
Septic Systems
Inspector
Pat Jackson, Inc**

PSMA#: 123

Appendix 1 - 202 Middle Road Septic Inspection

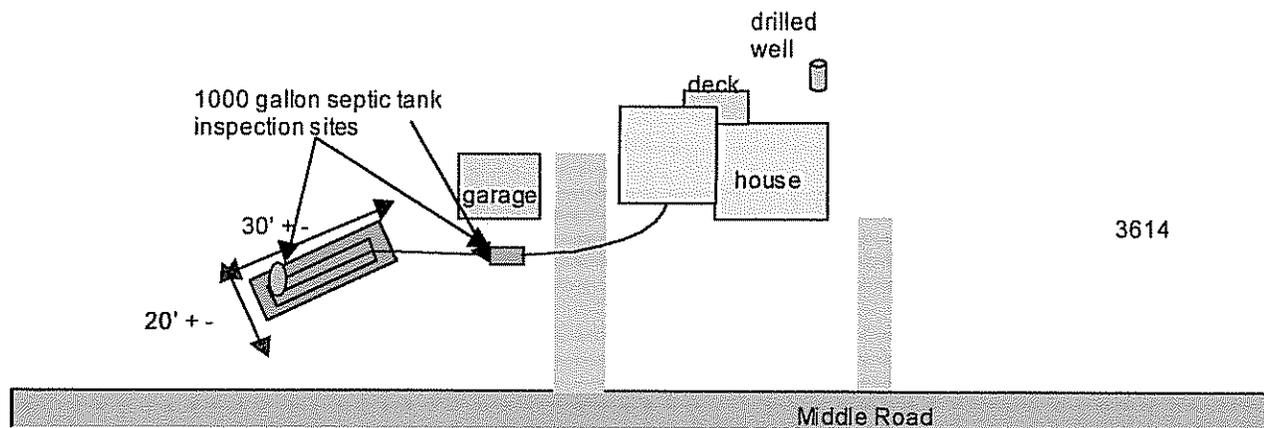
On the day of the inspection a 1000 gallon concrete septic tank was located beside the garage and the outlet cover was exposed and removed for the inspection. In my opinion, this septic tank appears to be in satisfactory condition and is adequate for a 4 bedroom home by todays standards. I recommend pumping the septic tank. Estimated cost if done by Pat Jackson Inc.

Pumping.....\$155.00

Digging.....\$20.00 on up

Appendix 2 - 202 Middle Road Septic Inspection

On the day of the inspection the absorption area located is a bed type which was constructed of course gravel and pipe approximately 20'x30' +/- . An inspection site was dug beside one of the distribution pipes for the inspection and the gravel was found to be dry. When we checked the holes in the pipe they were found plugged. One of the holes was unplugged and effluent filled the inspection site and ran across the lawn. This system was not installed level. In my opinion, this system is unsatisfactory and I recommend a replacement system be designed and installed.



252-5219 to 252-3234

Earle Kenny
202 Middle Rd
Augusta
Pat Jackson Inc.
Septic System Inspections

2 FAMILY
Sprague
Curtis
WEDNESDAY



