# SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Department of Human Services
Division of Health Engineering, SHS 10
(207) 287-5672 Fax (207 287-3165

## PROPERTY LOCATION

| | |
|---|---|
| City, Town, Plantation | AUGUSTA |
| Street or Road 27 | BRANN AVE. |
| Subdivision, Lot # | |

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

AUGUSTA 5266 TOWN COPY
Date Permit Issued: 4/27/04 $ 100.00 ☐ If Double Fee FEE Charged
Local Plumbing Inspector Signature L.P.I. # 650

## OWNER/APPLICANT INFORMATION

| | |
|---|---|
| Name (last, first, MI) | Bryne, Jr. Herbert H ☒ Owner ☐ Applicant |
| Mailing Address of Owner/Applicant | 27 Brann AVE. AUGUSTA, Me. 04330 |
| Daytime Tel. # | 623-3272 |

Municipal Tax Map # 16 Lot # 37

**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.

Signature of Owner or Applicant — Date 5/24/03

**Caution: Inspection Required**

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

(1st) Date Approved

Local Plumbing Inspector Signature — (2nd) Date Approved

## PERMIT INFORMATION

### TYPE OF APPLICATION

- ☐ 1. First Time System
- ☒ 2. Replacement System
  - Type Replaced: Trench
  - Year Installed: 1949±
- ☐ 3. Expanded System
  - ☐ a. Minor Expansion
  - ☐ b. Major Expansion
- ☐ 4. Experimental System
- ☐ 5. Seasonal Conversion

### THIS APPLICATION REQUIRES

- ☒ 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

### DISPOSAL SYSTEM COMPONENTS

- ☒ 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

18,000 ☒ sq. ft. ☐ acres

### SHORELAND ZONING

☐ Yes ☒ No

### DISPOSAL SYSTEM TO SERVE

- ☒ 1. Single Family Dwelling Unit, No of bedrooms: 3
- ☐ 2. Multiple Family Dwelling, No. of Units: _____
- ☐ 3. Other: _____ (specify)

Current Use: ☐ Seasonal ☐ Year Round ☐ Undeveloped

### TYPE OF WATER SUPPLY

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

## DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3

### TREATMENT TANK

- ☒ 1. Concrete
  - ☒ a. Regular
  - ☐ b. Low profile
- ☐ 2. Plastic
- ☐ 3. Other: _____

CAPACITY 1000 gallons

### DISPOSAL FIELD TYPE & SIZE

- ☐ 1. Stone Bed ☐ 2. Stone Trench
- ☒ 3. Proprietary Device
  - ☐ a. Cluster array ☒ c. Linear
  - ☒ b. Regular load ☐ d. H-20 load
- ☐ 4. Other: _____

SIZE 1050 ☒ sq. ft. ☐ lin. ft.

### GARBAGE DISPOSAL UNIT

☒ 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

### DESIGN FLOW

270 gallons per day

BASED ON:

- ☒ 1. Table 501.1 (dwelling unit(s)
- ☐ 2. Table 502.2 (other facilities)

SHOW CALCULATIONS -- for other facilities --

☐ 3. Section 503.0 (meter readings)

ATTACH WATER-METER DATA

### SOIL DATA & DESIGN CLASS

| PROFILE | CONDITION | DESIGN |
|---|---|---|
| 3 | C | 1 |

at Observation Hole # 1+2

Depth 15" Elevation -64"

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

## SITE EVALUATOR STATEMENT

I certify that on 5/24/03 (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. Rocque | 154 | 5/24/03 |
| Site Evaluator Signature | SE # | Date |
| David P. Rocque | 622-7487 | |
| Site Evaluator Name Printed | Telephone # | |



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

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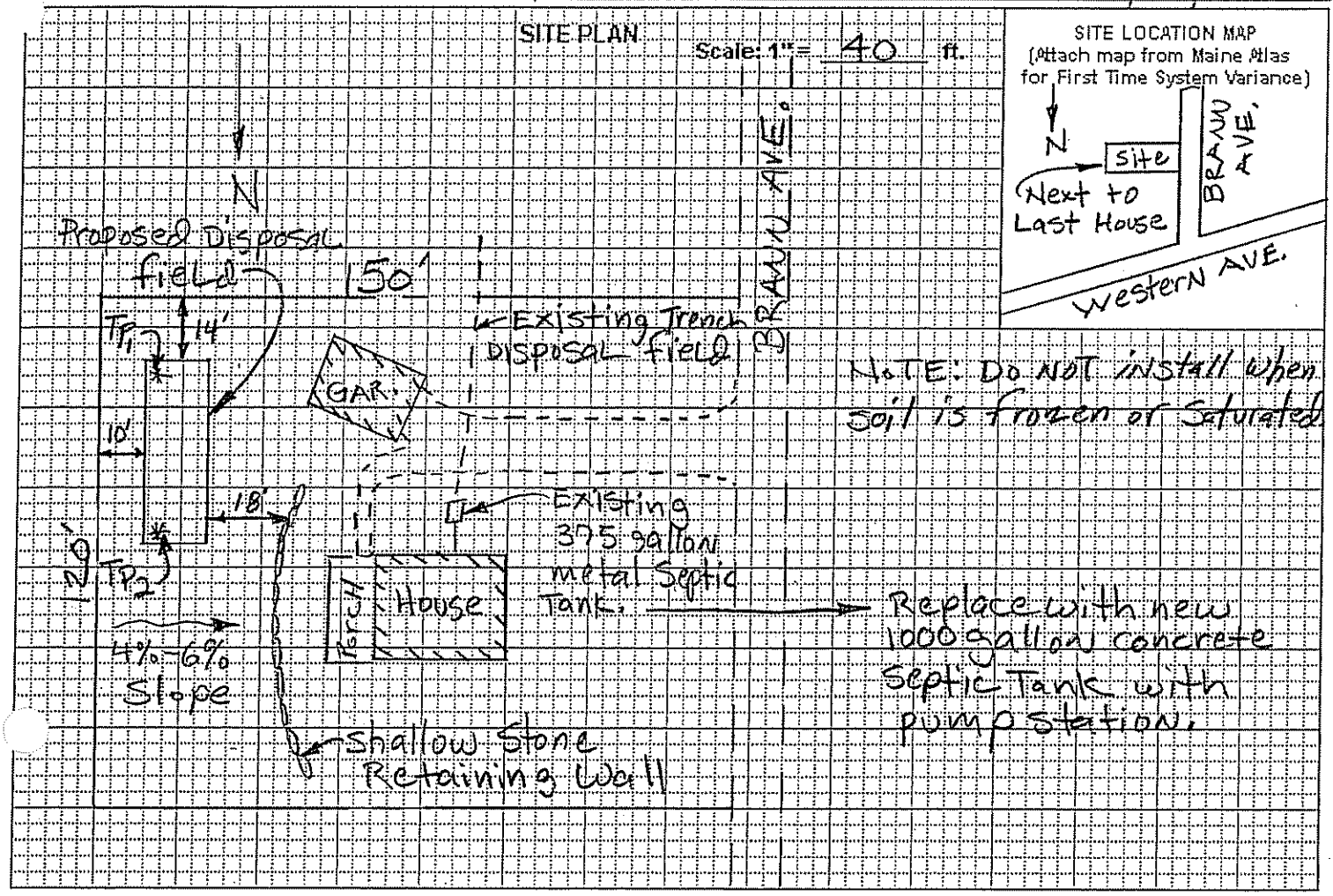
| AUGUSTA | BRANN AVE. | Herbert Bryne, Jr. |

SITE PLAN Scale: 1" = 40 ft.




## SOIL PROFILE DESCRIPTION AND CLASSIFICATION (Location of Observation Holes Shown Above)

Observation Hole # TP1 ☒ Test Pit ☐ Boring

SOD " Depth of organic horizon above mineral soil

| Depth below mineral soil surface (inches) | Texture | Consistency | Color | Mottling |
|---|---|---|---|---|
| 0–6 | gravelly Sandy Loam | Friable | Dark Brown | NONE |
| 6–18 | | | Dark yellow Brown | observed |
| 18–48 | | Firm | olive Brown | common distinct |

| Soil Profile | Classification Condition | Slope Percent | Limiting Factor Depth | |
|---|---|---|---|---|
| 3 | C | 4 | 15 | ☒ Groundwater ☒ Restrictive Layer ☐ Bedrock |

Observation Hole # TP2 ☒ Test Pit ☐ Boring

SOD " Depth of organic horizon above mineral soil

| Depth below mineral soil surface (inches) | Texture | Consistency | Color | Mottling |
|---|---|---|---|---|
| 0–6 | gravelly Sandy Loam | Friable | Dark Brn | None |
| 6–18 | | | Dark yellow Brown | observed |
| 18–48 | | Firm | olive Brown | common distinct |

| Soil Profile | Classification Condition | Slope Percent | Limiting Factor Depth | |
|---|---|---|---|---|
| 3 | C | 6 | 16 | ☒ Groundwater ☒ Restrictive Layer ☐ Bedrock |

David P. Rocque — Site Evaluator Signature

154 — SE #

5/24/03 — Date

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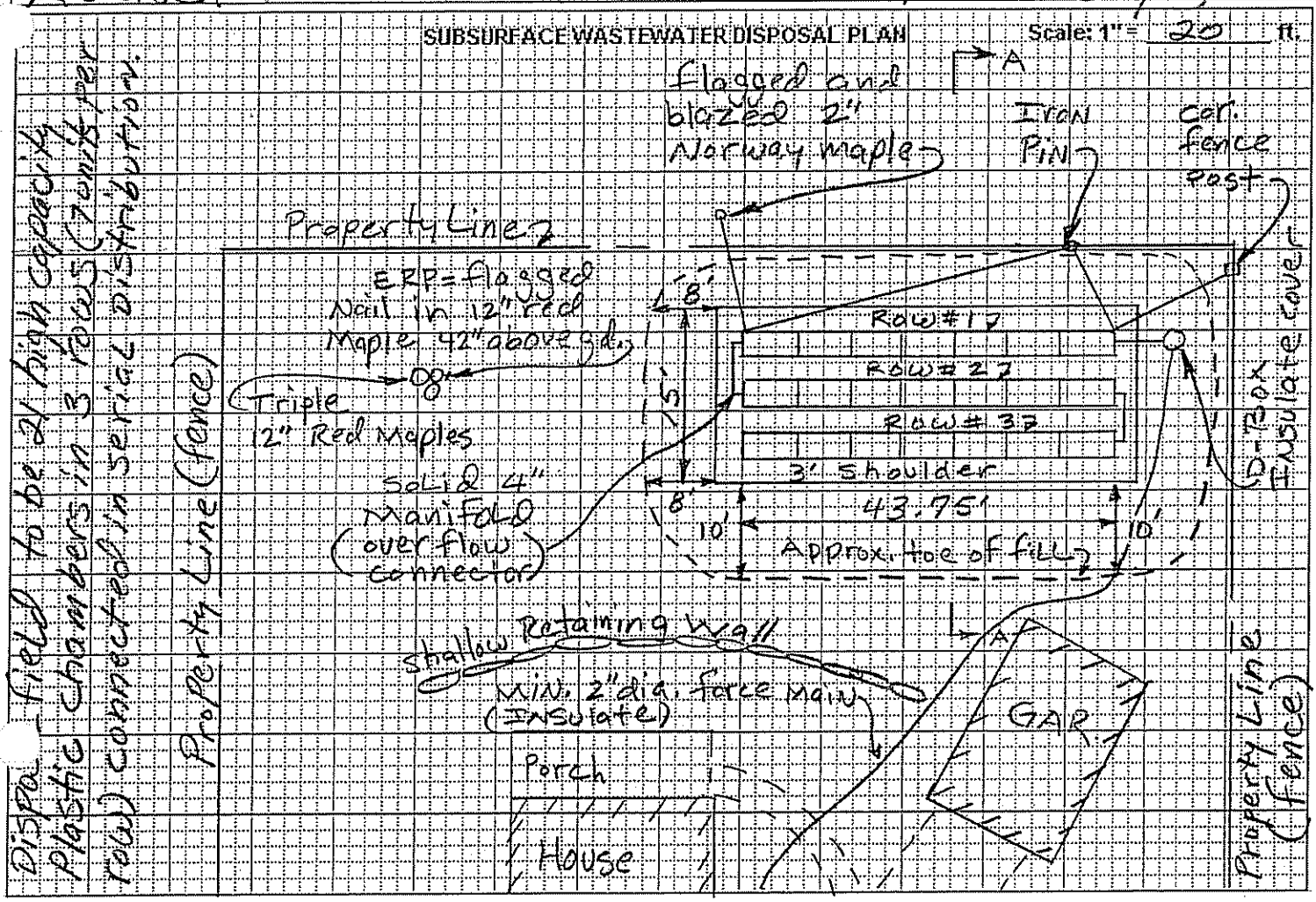
SUBSURFACE WASTEWATER DISPOSAL PLAN — Scale: 1" = 20 ft.




| BACKFILL REQUIREMENTS | | CONSTRUCTION ELEVATIONS | | ELEVATION REFERENCE POINT |
|---|---|---|---|---|
| Depth of Backfill (upslope) | 24" | Finished Grade Elevation | See below" | Location & Description: flagged nail in 12" Red Maple 42" above gd. |
| Depth of Backfill (downslope) | 24-30" | Top of Distribution Pipe or Proprietary Device | " | |
| DEPTHS AT CROSS-SECTION (shown below) | | Bottom of Disposal Field | " | Reference Elevation is: "0.0" or: |

DISPOSAL FIELD CROSS-SECTION — Scales: Vertical: 1" = ft. Horizontal: 1" = ft.

Based on 16" high plastic chambers

| Row # | Bottom Trench | Top Chambers | Finished grade |
|---|---|---|---|
| 1 | -49" | -33" | -25" |
| 2 | -52" | -36" | -28" |
| 3 | -55" | -39" | -31" |

David P. Roque — Site Evaluator Signature
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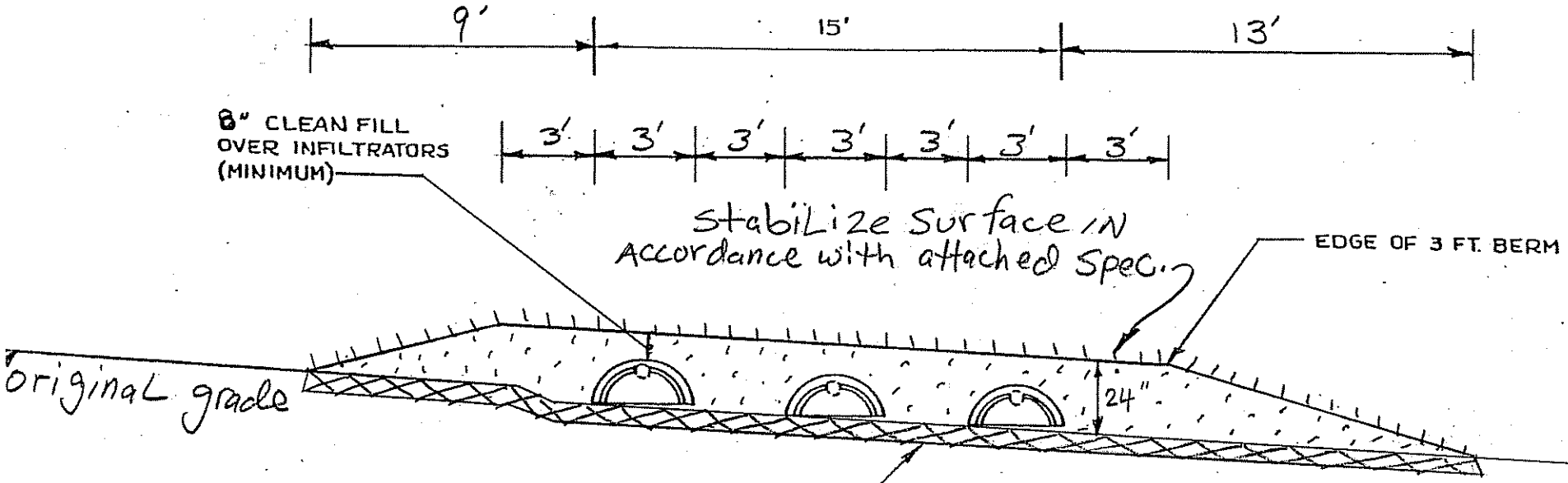
# INFILTRATOR CROSS SECTION 5-6%




Transition Horizon: Remove sod from beneath disposal field and fill extension area then mix a minimum of 6" of gravelly coarse sand fill by rototilling into soil before bringing to grade with gravelly coarse sand fill.

## 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.

ORIGINAL GRADE 4%-6%

FILL UNDER INFILTRATORS TO BE gravelly coarse sand TEXTURE.

FILL AROUND INFILTRATORS TO BE gravelly coarse sand TEXTURE.

Gravelly Coarse Sand: No more than 4% fines, 15%-30% gravel

| | | |
|---|---|---|
| SITE EVALUATOR: David P. Rocque | | |
| OWNER: Herbert Brune, Jr. | NUMBER OF INFILTRATORS: 21 | PERCENT SLOPE: 4%-6% |
| LOCATION: AUGUSTA Brann Ave. | ELEVATIONS: REFERENCE PT. 0 | BOTTOM TRENCH #1 -49" |
| DATE: 5/24/03 / SCALE: 1 INCH = 5 FEET | BOTTOM TRENCH #2 -52" | BOTTOM TRENCH #3 -55" |