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: 255 Spring Rd.

Subdivision, Lot #:

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

AUGUSTA 5127 TOWN COPY
Date Permit Issued: 7/24/03 $ 100.00 ☐ If Double Fee Charged
Local Plumbing Inspector Signature L.P.I. # 850

OWNER/APPLICANT INFORMATION

Name (last, first, MI): Trow Norman A. ☒ Owner ☐ Applicant

Mailing Address of Owner/Applicant: 273 Spring Rd. Augusta, Me. 04330

Daytime Tel. #: 622-3459

Municipal Tax Map # 12 Lot # 49A

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

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:
  - Year Installed:
- ☐ 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

1.05 ☐ 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

Proposed 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 1200 ☒ 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
B	D	3

at Observation Hole # 3

Depth 13" Elevation -73"

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 6/11/03 (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. Roque — Site Evaluator Signature
154 — SE #
6/11/03 — Date
David P. Roque — Site Evaluator Name Printed
622-7487 — Telephone #

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

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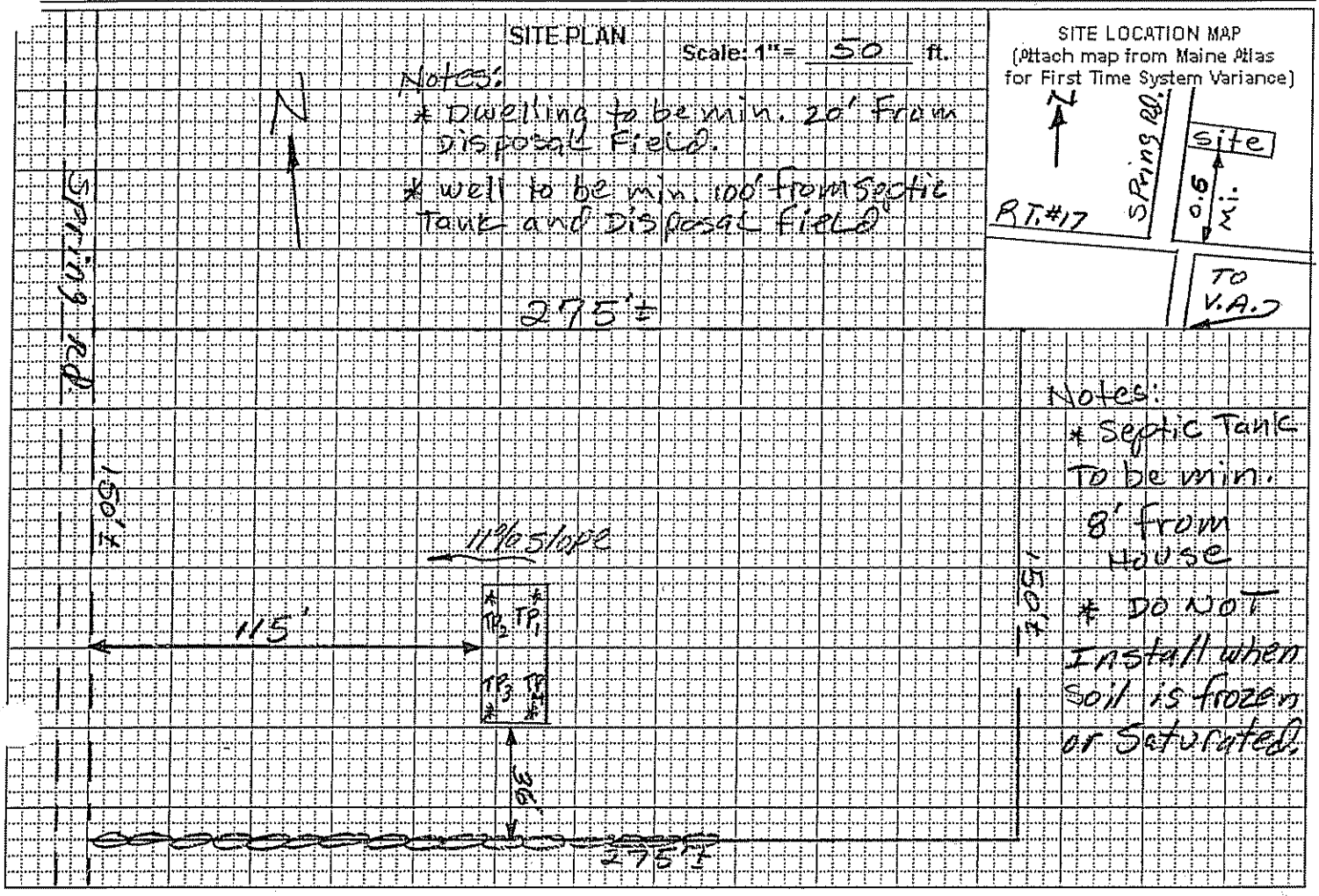
Town, City, Plantation	Street, Road, Subdivision	Owner or Applicant Name
AUGUSTA	SPRING Rd.	Norman Trow

SITE PLAN Scale: 1" = 50 ft.

Notes:
* Dwelling to be min. 20' From Disposal Field.
* well to be min. 100' from Septic Tank and Disposal Field



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

Observation Hole # TP 1+2 ☒ Test Pit ☐ Boring

SOD " Depth of organic horizon above mineral soil

Depth below mineral soil surface (inches)	Texture	Consistency	Color	Mottling
0–6	Loam		Dark Brown	None observed
6–18		Friable	Dark yellow Brown	
18–24	Silt Loam		olive gray	Few Distinct
24–48	& very fine Sandy Loam	Firm		

Soil Profile	Classification Condition	Slope Percent	Limiting Factor Depth	
B	C	11	18-20	☒ Groundwater ☒ Restrictive Layer ☐ Bedrock

Observation Hole # TP 3+4 ☒ Test Pit ☐ Boring

SOD " Depth of organic horizon above mineral soil

Depth below mineral soil surface (inches)	Texture	Consistency	Color	Mottling
0–6	Loam	Friable	Dark Brown	None observed
6–12			Dark yellow Brown	
12–18	Silt Loam	Firm	olive gray	Few Distinct
18–24	& very fine Sandy Loam			

Soil Profile	Classification Condition	Slope Percent	Limiting Factor Depth	
B	D	10	13-15	☒ Groundwater ☒ Restrictive Layer ☐ Bedrock

David P. Rogue — Site Evaluator Signature
154 — SE #
6/11/03 — Date

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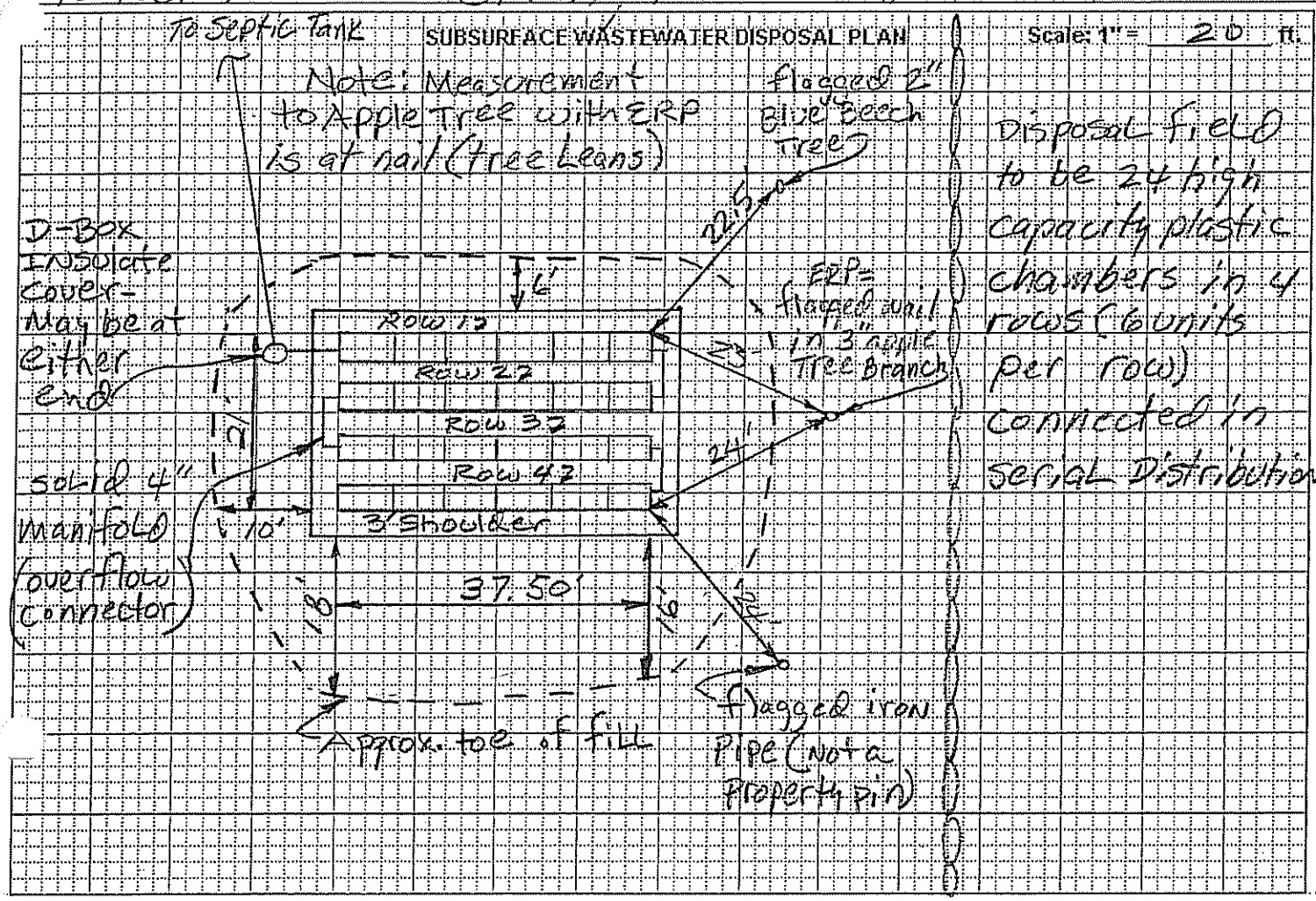
AUGUSTA	Spring Rd.	Norman Trow

SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale: 1" = 20 ft.



BACKFILL REQUIREMENTS		CONSTRUCTION ELEVATIONS		ELEVATION REFERENCE POINT
Depth of Backfill (upslope)	28 "	Finished Grade Elevation	See below "	Location & Description: flagged nail in Apple tree 54.5" above g.l.
Depth of Backfill (downslope)	28-30"	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

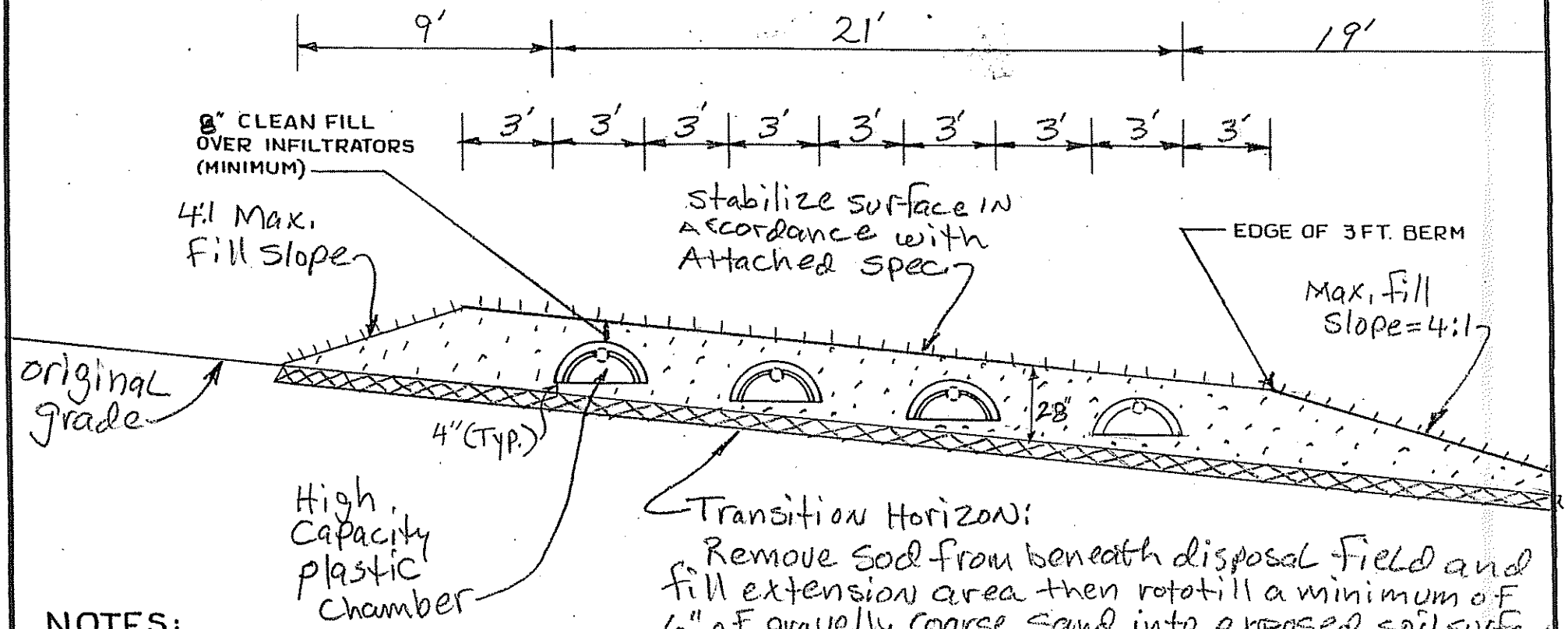
Based on 16" high chambers

Scales: Vertical: 1" = ft. Horizontal: 1" = ft.

Row #	Bottom Trench	Top Chambers	Finished Grade
1	-34"	-18"	-10"
2	-41"	-25"	-17"
3	-48"	-32"	-24"
4	-55"	-39"	-31"

David P. Pague — Site Evaluator Signature
154 — SE #
6/11/03 — Date

INFILTRATOR CROSS SECTION 9-10%



Transition Horizon:
Remove sod from beneath disposal field and fill extension area then rototill a minimum of 6" of gravelly coarse sand into exposed soil surface 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 10-11%

FILL UNDER INFILTRATORS TO BE gravelly Coarse Sand TEXTURE.

FILL AROUND INFILTRATORS TO BE gravelly Coarse Sand TEXTURE.

Gravelly Coarse Sand: Max. 4% fines; 15% - 30% gravel.

SITE EVALUATOR: David P. Rocque		
OWNER: Norman Trow	NUMBER OF INFILTRATORS: 24	PERCENT SLOPE: 10%-11%
LOCATION: AUGUSTA Spring Road	ELEVATIONS: REFERENCE PT. 0"	BOTTOM TRENCH #1 -34"
DATE: 6/11/03 / SCALE: 1 INCH = 5 FEET	BOTTOM TRENCH #2 -41"	BOTTOM TRENCH #3 -48"
	BOTTOM Trench #4 -55"	