Called 8/7 10:30

03012

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	10 Sunrise Circle
Subdivision, Lot #	

OWNER/APPLICANT INFORMATION

Name (last, first, MI)	Lavigne, Kenneth E. ☒ Owner ☒ Applicant
Mailing Address of Owner/Applicant	10 Sunrise Circle Augusta, Maine 04330
Daytime Tel. #	(207) 626-9326 626-4641

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

AUGUSTA Date Permit Issued: 8/7/03 5141 TOWN COPY $ 175.00 ☐ If Double Fee FEE Charged

Local Plumbing Inspector Signature L.P.I. # 850

Municipal Tax Map # 20 Lot # 5

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.

Lisa C. Lavigne 7/21/03
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.

Local Plumbing Inspector Signature (1st) Date Approved 8/14/03 (2nd) Date Approved

PERMIT INFORMATION

TYPE OF APPLICATION

- ☐ 1. First Time System
- ☒ 2. Replacement System
  - Type Replaced: trench (?)
  - Year Installed: 1975 ±
- ☐ 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

0.8 ± ☐ 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 (existing)
  - ☐ 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 750 ☒ 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

5 / B / 2

at Observation Hole # 1

Depth >48 " Elevation >-112 "

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 5-3-03 (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).

William T. Noble
Site Evaluator Signature

75
SE #

5-12-03
Date

William T. Noble
Site Evaluator Name Printed

(207) 547-3252
Telephone #

RECEIVED
JUL 21 2003
By

STATE OF MAINE WILLIAM T NOBLE #75 LICENSED SITE EVALUATOR

Page 1 of 3 - HHE-200 Rev. 10/01

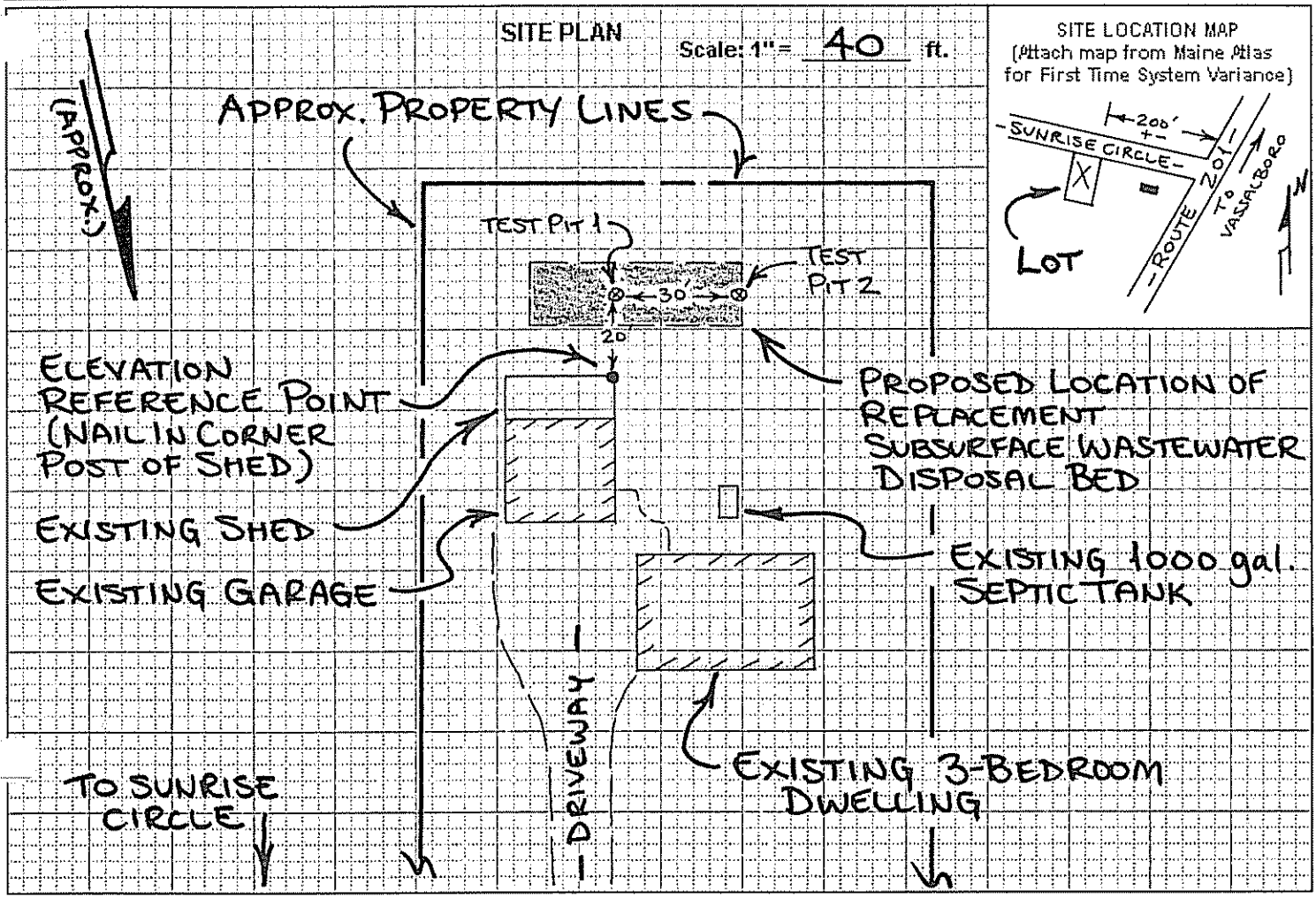
Note: Changes to or deviations from the design should be confirmed with the Site Evaluator.

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

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

Town, City, Plantation	Street, Road, Subdivision	Owner or Applicant Name
AUGUSTA	10 SUNRISE CIRCLE	KENNETH E. LAVIGNE

SITE PLAN Scale: 1" = 40 ft.



SITE LOCATION MAP
(Attach map from Maine Atlas for First Time System Variance)

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

Observation Hole # 1 ☒ Test Pit ☐ Boring

½ ± " Depth of organic horizon above mineral soil

Depth below mineral soil surface (inches)	Texture	Consistency	Color	Mottling
0	STONY GRAVELLY SANDY LOAM	FRIABLE	DARK GRAYISH BROWN	
6	LOAMY FINE SAND	VERY FRIABLE	OLIVE BROWN	
12	LOAMY SAND TO SAND	LOOSE		
18				
24				
30				
36				
42				
48				

Soil Profile	Classification Condition	Slope Percent	Limiting Factor Depth	
5	B	0 ±	NONE ·	☐ Groundwater ☐ Restrictive Layer ☐ Bedrock

Observation Hole # 2 ☒ Test Pit ☐ Boring

½ ± " Depth of organic horizon above mineral soil

Depth below mineral soil surface (inches)	Texture	Consistency	Color	Mottling
0	STONY GRAVELLY SANDY LOAM	FRIABLE	DARK GRAYISH BROWN	
6	LOAMY SAND	VERY FRIABLE	OLIVE BROWN	
12	LOAMY SAND TO SAND	LOOSE		
18				
24				
30				
36				
42				
48				

Soil Profile	Classification Condition	Slope Percent	Limiting Factor Depth	
5	B	0 ±	NONE ·	☐ Groundwater ☐ Restrictive Layer ☐ Bedrock

William Y. Noble — Site Evaluator Signature

75 — SE #

5-12-03 — Date

03012

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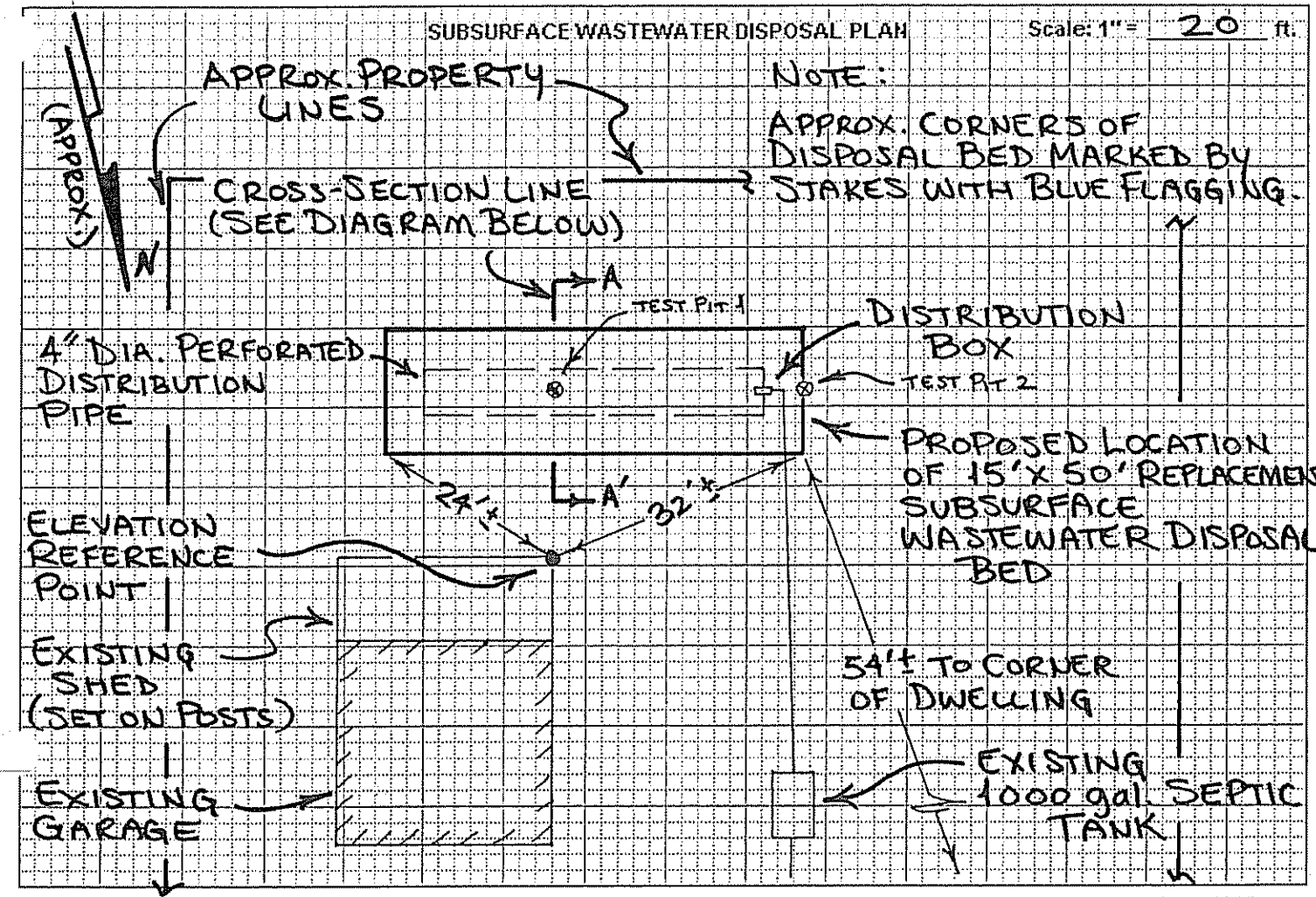
Division of Health Engineering, Station 10
(207) 287-5672 FAX (207) 287-3165

Town, City, Plantation	Street, Road, Subdivision	Owner or Applicant Name
AUGUSTA	10 SUNRISE CIRCLE	KENNETH E. LAVIGNE

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



BACKFILL REQUIREMENTS

Depth of Backfill (upslope) 0 "
Depth of Backfill (downslope) 0 "
DEPTHS AT CROSS-SECTION (shown below)

CONSTRUCTION ELEVATIONS

Finished Grade Elevation -60"
Top of Distribution Pipe or Proprietary Device -29"
Bottom of Disposal Field -90"

ELEVATION REFERENCE POINT

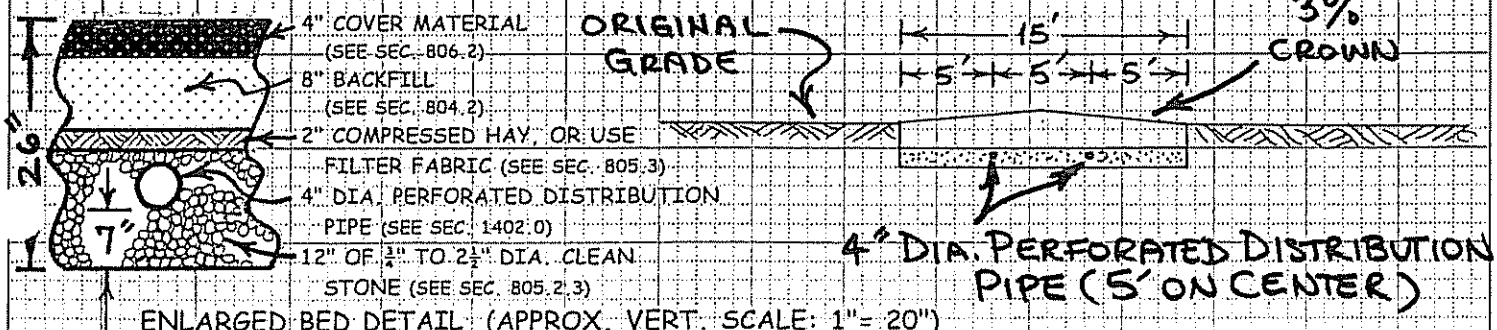
Location & Description: NAIL WITH ORANGE FLAGGING IN CORNER POST OF SHED
Reference Elevation is: 0.0" or: _____

NOTES:

1. FILL & BACKFILL EXTENSIONS TO BE COARSE SAND TO GRAVELLY COARSE SAND WITH 4 TO 8 % FINES, PER SEC. 804.2 OF THE RULES.
2. GRADE LAND AROUND DISPOSAL FIELD TO DIVERT ANY WATER AWAY FROM THE DISPOSAL AREA.
3. REMOVE ORGANIC LAYER & RAKE OR HARROW THE SOIL SURFACE BEFORE INSTALLING BACKFILL.
4. BACKFILL DEPTHS MAY VARY FROM THOSE SHOWN DUE TO IRREGULARITIES IN SOIL SURFACE.
5. DEPTH OF ☐ CUT ☐ FILL TO BE ____ INCHES AT UPHILL SIDE OF DISPOSAL FIELD OR ROWS.
6. MULCH & SEED FINAL GRADE PER SEC. 806.4 OF THE SSWD RULES (10-144A CMR 241).

DISPOSAL FIELD CROSS-SECTION A-A'

Scales: Vertical: 1" = 10 ft. Horizontal: 1" = 10 ft.



ENLARGED BED DETAIL (APPROX. VERT. SCALE: 1" = 20")

William Y. Noble — Site Evaluator Signature
75 — SE #
5-12-03 — Date

William T. Noble
Soil & Site Evaluations
2111 West River Road
Sidney, Maine 04330
Tel. (207) 547-3252

Licensed Site Evaluator
Certified Soil Scientist
Certified Geologist

18 September 2003
Job No. 03012

Jon Canty Construction
189 Indiana Road
West Gardiner, Maine 04345

Re: Amendment to Subsurface Wastewater Disposal System Design Plans (HHE-200 Form), Lavigne Property, Sunrise Circle, Augusta.

Dear Mr. Canty,

On 9-17-03, at your request, I examined a test pit excavated within the footprint of a proposed replacement subsurface wastewater disposal field for the subject property, as shown in disposal system design plans prepared by me, dated 5-12-03.

The purpose of this investigation was to determine whether the disposal field as designed could be lowered to avoid pumping wastewater from the existing septic tank to the disposal field.

No limiting factors *(e.g. seasonal high water table, restrictive layer, or bedrock)* were observed in the sandy soil to a depth of approximately 6 feet below original grade. Therefore, construction elevations for the distribution pipe and stone can be lowered as much as 12" from that specified in the disposal system design plans. Revised elevations (in inches) are as follows:

- Finished grade elevation: **-60 "**
- Top of distribution pipe: **-91 "**
- Bottom of disposal field: **-102 "**

This letter should be attached to all copies of the 5-12-03 disposal system design plans, so that a complete record is maintained regarding the design and construction of this replacement subsurface wastewater disposal field.

If you have any questions or require additional assistance, please don't hesitate to contact me.

Sincerely,

William T. Noble

William T. Noble, S.E. 75

pc: G. Soucy, LPI, City of Augusta
K. Lavigne