



JOHN ELIAS BALDACCI
GOVERNOR

STATE OF MAINE
DEPARTMENT OF HUMAN SERVICES
DIVISION OF HEALTH ENGINEERING
11 STATE HOUSE STATION
OFFICE: 161 CAPITOL STREET
AUGUSTA, MAINE
04333-0011

September 11, 2003

Town Copy

Permit # 5161

John Hackett
590 Boothby Road
Livermore ME 04253

Subject: Approval, Replacement System Variance Request, Hackett property, South Woodard Road, Augusta

Dear Mr. Hackett:

The Division has reviewed a Replacement System Variance Request for the subject property. The proposal is to install a replacement septic system to serve an existing two-bedroom single-family dwelling. The state variance requested is to allow the installation of the system with a reduction in the setback distance from a major watercourse to the disposal field of 47 feet. Other variances required are setback distance reductions from the disposal field to the owner's well of 61 feet and a structure without a full basement of 14 feet plus a fill extension grade to 3:1 at the steep embankment. The system design, prepared by William Brown, SE, dated September 5, 2003, is found to be in compliance with the Maine Subsurface Wastewater Disposal Rules.

We approve the requested variance with the following requirements:

1. A permit for system installation shall be obtained from the Local Plumbing Inspector in advance of the start of system construction.
2. The system shall be installed in accordance with the submitted and approved system design. Should alterations be required at the time of system installation, the system designer must be notified prior to making any changes.
3. The variance approval is based only on the rules administered by this department. The approval of the variance request does not relieve the property owner from compliance with all other state and local requirements pertaining to the installation, use, and operation of the wastewater disposal system.

By accepting this approval and the associated plumbing permit, the owner agrees to comply fully with the conditions of approval and the Subsurface Wastewater Disposal Rules.

Because installation and owner maintenance has a significant effect on the working order of onsite sewage disposal systems, including their components, the Division makes no representation or guarantee as to the efficiency and/or operation of the system.

Should you or others have any questions regarding this review and/or approval, please feel free to contact me at 287-5687.

Sincerely,

Linda Robinson

Linda Robinson, Environmental Specialist II
Wastewater and Plumbing Control Program
Division of Health Engineering
E-mail: linda.robinson@maine.gov



PRINTED ON RECYCLED PAPER

/lsr
xc: George Soucy Jr., LPI
William Brown, SE

PHONE: (207) 287-5338

TTY: 207-287-2070

FAX: (207) 287-4172

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First main block of text, appearing as a list or series of entries.

Second main block of text, continuing the list or entries.

Third main block of text, continuing the list or entries.

Fourth main block of text, continuing the list or entries.

Fifth main block of text, continuing the list or entries.

Sixth main block of text, continuing the list or entries.

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Replacement System Variance Request

VARIANCE CATEGORY	LIMIT OF LPI'S APPROVAL AUTHORITY						VARIANCE REQUESTED TO:	
SOILS								
Soil Profile	Ground Water Table			to 7"			inches	
Soil Condition	Restrictive Layer			to 7"			inches	
from HHE-200	Bedrock			to 12"			inches	
SETBACK DISTANCES (in feet)	Disposal Fields (total design flow)			Septic Tanks (total design flow)			Disposal Fields	Septic Tanks
	from	Less than 1000 gpd	1000 to 2000 gpd	Over 2000 gpd	Less than 1000 gpd	1000 to 2000 gpd	Over 2000 gpd	To
Wells with water usage of 2000 or more gpd or public water supply wells	300 ft	300 ft	300 ft	100 ft	100 ft	100 ft		
Owner's wells	100 down to 60 ft [a]	200 down to 100 ft	300 down to 150 ft	100 down to 50 ft [b]	100 down to 50 ft	100 down to 50 ft	61'	
Neighbor's wells	100 down to 60 ft [f]	200 down to 120 ft [f]	300 down to 180 ft [f]	100 down to 50 ft [f]	100 down to 75 ft [f]	100 down to 75 ft [f]		
Water supply line	10 ft [h]	20 ft [h]	25 ft [h]	10 ft [h]	10 ft [h]	10 ft [h]		
Water course, major - for replacements only, see Table 400.4 for major expansions	100 down to 60 ft [d]	200 down to 120 ft [d]	100 down to 180 ft [d]	100 down to 50 ft [b]	100 down to 50 ft	100 down to 50 ft	47'	
Water course, minor	50 down to 25 ft [e]	100 down to 50 ft [e]	150 down to 75 ft [e]	50 down to 25 ft [e]	50 down to 25 ft [e]	50 down to 25 ft [e]		
Drainage ditches	25 down to 12 ft	50 down to 25 ft	75 down to 35 ft	25 down to 12 ft	25 down to 12 ft	25 down to 12 ft		
Edge of fill extension -- Coastal wetlands, special freshwater wetlands, great ponds, rivers, streams	25 ft [e]	25 ft [e]	25 ft [e]	25 ft [e]	25 ft [e]	25 ft [e]		
Slopes greater than 3:1	10 ft [g]	18 ft [g]	25 ft [g]	N/A	N/A	N/A		
No full basement (e.g. slab, frost wall, columns)	15 down to 7 ft	30 down to 15 ft	40 down to 20 ft	8 down to 5 ft	14 down to 7 ft	20 down to 10 ft	14'	
Full basement (below grade foundation)	20 down to 10 ft	30 down to 15 ft	40 down to 20 ft	8 down to 5 ft	14 down to 7 ft	20 down to 10 ft		
Property lines	10 down to 5 ft [c]	18 down to 9 ft [c]	20 down to 10 ft [c]	10 down to 4 ft [c]	15 down to 7 ft [c]	20 down to 10 ft [c]		
Burial sites or graveyards, measured from the downhill toe of the fill extension	25 ft	25 ft	25 ft	25 ft	25 ft	25 ft		

OTHER

1. **STEEPEN SLOPE TO 3:1 TO AVOID FILL OVER STEEP ENBANKMENT**

2. _____
 3. _____

Footnotes: [a] Single-family well setbacks may be reduced as prescribed in Section 701.2
 [b] This distance may be reduced to 25 feet, if the septic tank or holding tank is tested in the plumbing inspector's presence and shown to be watertight or of monolithic construction. N/A
 [c] Additional setbacks may be needed to prevent fill material extensions from encroaching on abutting property.
 [d] Additional setbacks may be required by local Shoreland zoning.
 [e] Natural Resources Protection Act requires a 25 foot setback on slopes of less than 20%, from the edge of soil disturbance and 100 feet on slopes greater than 20%. See Chapter 15.
 [f] May not be any closer to neighbor's well than the existing disposal field or septic tank unless written permission is granted by the neighbor. This setback may be reduced for single family houses with Department approval. See Section 702.3.
 [g] The fill extension shall reach the existing ground before the 3:1 slope or within 100 feet of the disposal field.
 [h] See Section 1402.10 for special procedures when these minimum setbacks cannot be achieved.

WILLIAM P BROWN *William P Brown*
 SITE EVALUATOR'S SIGNATURE

9/5/2003
 DATE

FOR USE BY THE DEPARTMENT ONLY

The Department has reviewed the variance(s) and ~~it does~~ ~~does not~~ give its approval. Any additional requirements, recommendations, or reasons for the Variance denial, are given in the attached letter.

Linda Robinson
 SIGNATURE OF THE DEPARTMENT

9/10/03
 DATE

1. The first part of the document discusses the general principles of the law of contract. It covers the formation of a contract, the elements of a contract, and the remedies available for breach of contract. The text is written in a clear and concise style, suitable for a legal textbook or a law student's guide.

2. The second part of the document deals with the specific rules governing the law of contract. It covers the rules of offer and acceptance, the rules of consideration, and the rules of privity of contract. The text is written in a clear and concise style, suitable for a legal textbook or a law student's guide.

3. The third part of the document discusses the remedies available for breach of contract. It covers the rules of damages, specific performance, and injunction. The text is written in a clear and concise style, suitable for a legal textbook or a law student's guide.

4. The fourth part of the document deals with the law of contract in relation to other areas of law. It covers the law of contract in relation to tort, property, and equity. The text is written in a clear and concise style, suitable for a legal textbook or a law student's guide.

5. The fifth part of the document discusses the law of contract in relation to the law of agency. It covers the rules of agency, the rules of authority, and the rules of liability. The text is written in a clear and concise style, suitable for a legal textbook or a law student's guide.

6. The sixth part of the document deals with the law of contract in relation to the law of insurance. It covers the rules of insurance, the rules of policy, and the rules of liability. The text is written in a clear and concise style, suitable for a legal textbook or a law student's guide.

7. The seventh part of the document discusses the law of contract in relation to the law of banking. It covers the rules of banking, the rules of deposit, and the rules of liability. The text is written in a clear and concise style, suitable for a legal textbook or a law student's guide.

8. The eighth part of the document deals with the law of contract in relation to the law of shipping. It covers the rules of shipping, the rules of charterparty, and the rules of liability. The text is written in a clear and concise style, suitable for a legal textbook or a law student's guide.

9. The ninth part of the document discusses the law of contract in relation to the law of carriage of goods. It covers the rules of carriage, the rules of bill of lading, and the rules of liability. The text is written in a clear and concise style, suitable for a legal textbook or a law student's guide.

10. The tenth part of the document deals with the law of contract in relation to the law of sale of goods. It covers the rules of sale, the rules of contract, and the rules of liability. The text is written in a clear and concise style, suitable for a legal textbook or a law student's guide.

REPLACEMENT SYSTEM VARIANCE REQUEST

THE LIMITATIONS OF THE REPLACEMENT SYSTEM VARIANCE REQUEST

This form shall be attached to an application (HHE-200) for the proposed replacement system which requires a variance to the Rules. The LPI shall review the Replacement System Variance Request and HHE-200 and may approve the Request if all of the following requirements can be met, and the variance(s) requested fall within the limits of the LPI's authority.

1. The proposed design meets the definition of a Replacement System as defined in the Rules (Sec. 2006)
2. There will be no change in use of the structure except as authorized for one-time exempted expansions outside the shoreland zone of major waterbodies/courses.
3. The replacement system is determined by the Site Evaluator and LPI to be the most practical method to treat and dispose of the wastewater.
4. The BOD₅ plus S. S. content of the wastewater is no greater than that of normal domestic effluent.

GENERAL INFORMATION		Town of <u>AUGUSTA</u>
Permit No. _____		Date Permit Issued _____
Property Owner's Name: <u>JOHN HACKETT & Penny Hughes</u>		Tel. No.: _____
System's Location: <u>39 SOUTH WOODARD ROAD AUGUSTA</u>		
Property Owner's Address: <u>590 BOOTHBY ROAD / Off Roberts Rd</u>		
(If different from above) <u>LIVERMORE, ME 04253 Topsham, ME</u>		

SPECIFIC INSTRUCTIONS TO THE LOCAL PLUMBING INSPECTOR (LPI):

If any of the variances exceed your approval authority and/or do not meet all the requirements listed under the Limitations Section above, then you are to send this Replacement System Variance Request, along with the Application, to the Department for review and approval consideration before issuing a Permit. (See reverse side for Comments Section and your signature.)

SITE EVALUATOR:

If after completing the Application, you find that a variance for the proposed replacement system is needed, complete the Replacement System Variance Request with your signature on reverse side of form.

PROPERTY OWNER:

It has been determined by the Site Evaluator that a variance to the Rules is required for the proposed replacement system. This variance request is due to physical limitations of the site and/or soil conditions. Both the Site Evaluator and the LPI have considered the site/soil restrictions and have concluded that a replacement system in total compliance with the Rules is not possible.

PROPERTY OWNER:

I understand that the proposed system requires a variance to the Rules. Should the proposed system malfunction, I release all concerned provided they have performed their duties in a reasonable and proper manner, and I will promptly notify the Local Plumbing Inspector and make any corrections required by the Rules. By signing the variance request form, I acknowledge permission for representatives of the Department to enter onto the property to perform such duties as may be necessary to evaluate the variance request.

Penny Hughes
SIGNATURE OF OWNER

9/9/03

DATE

LOCAL PLUMBING INSPECTOR:

I, _____, the undersigned, have visited the above property and have determined to the best of my knowledge that it cannot be installed in compliance with the Rules. As a result of my review of the Replacement Variance Request, the Application, and my on-site investigation, I (check and complete either a or b):

a. (Approve/Do not approve) the variance request based on my authority to grant this variance. Note: If the LPI does not give his approval, he shall list his reasons for denial in Comments Section below and return to the Applicant. —OR—

b. find that one or more of the requested Variances exceeds my approval authority as LPI. I recommend do not recommend the Department's approval of the variances. Note: If the LPI does not recommend the Department's approval he/she shall state his/her reasons in Comments Section below as to why the proposed replacement system is not being recommended.

Comments _____

LPI SIGNATURE

DATE

Replacement System Variance Request

VARIANCE CATEGORY	LIMIT OF LPI'S APPROVAL AUTHORITY						VARIANCE REQUESTED TO:	
SOILS								
Soil Profile	Ground Water Table			to 7"			Inches	
Soil Condition	Restrictive Layer			to 7"			Inches	
from HHE-200	Bedrock			to 12"			Inches	
SETBACK DISTANCES (In feet)	Disposal Fields (total design flow)			Septic Tanks (total design flow)			Disposal Fields	Septic Tanks
from	Less than 1000 gpd	1000 to 2000 gpd	Over 2000 gpd	Less than 1000 gpd	1000 to 2000 gpd	Over 2000 gpd	To	To
Wells with water usage of 2000 or more gpd or public water supply wells	300 ft	300 ft	300 ft	100 ft	100 ft	100 ft		
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Water supply line	10 ft [h]	20 ft [h]	25 ft [h]	10 ft [h]	10 ft [h]	10 ft [h]		
Water course, major - for replacements only, see Table 400.4 for major expansion	100 down to 60 ft [d]	200 down to 120 ft [d]	100 down to 180 ft [d]	100 down to 50 ft [b]	100 down to 50 ft	100 down to 50 ft	47'	
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Drainage ditches	25 down to 12 ft	50 down to 25 ft	75 down to 35 ft	25 down to 12 ft	25 down to 12 ft	25 down to 12 ft		
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Slopes greater than 3:1	10 ft [g]	18 ft [g]	25 ft [g]	N/A	N/A	N/A		
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Burial sites or graveyards, measured from the downhill toe of the fill extension	25 ft	25 ft	25 ft	25 ft	25 ft	25 ft		

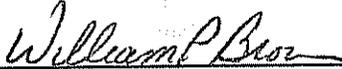
OTHER

1. STEEPEN SLOPE TO 3:1 TO AVOID FILL OVER STEEP ENBANKMENT

2.

3.

- Footnotes: [a] Single-family well setbacks may be reduced as prescribed in Section 701.2
 [b] This distance may be reduced to 25 feet, if the septic tank or holding tank is tested in the plumbing inspector's presence and shown to be watertight or of monolithic construction.
 [c] Additional setbacks may be needed to prevent fill material extensions from encroaching on abutting property.
 [d] Additional setbacks may be required by local Shoreland zoning.
 [e] Natural Resources Protection Act requires a 25 foot setback on slopes of less than 20%, from the edge of soil disturbance and 100 feet on slopes greater than 20%. See Chapter 15.
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 [g] The fill extension shall reach the existing ground before the 3:1 slope or within 100 feet of the disposal field.
 [h] See Section 1402.10 for special procedures when these minimum setbacks cannot be achieved.

WILLIAM P BROWN 
 SITE EVALUATOR'S SIGNATURE

9/5/2003
 DATE

FOR USE BY THE DEPARTMENT ONLY

The Department has reviewed the variance(s) and () does () does not give its approval. Any additional requirements, recommendations, or reasons for the Variance denial, are given in the attached letter.

 SIGNATURE OF THE DEPARTMENT

 DATE

Maine Department of Human Services
 Division of Health Engineering, 10345
 (207)287-8872 FAX (207)287-3165

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

>> CAUTION: PERMIT REQUIRED - ATTACH IN SPACE BELOW <<

City, Town, or Plantation: **AUGUSTA**

Street or Road: **37 SOUTH WOODARD ROAD**

Subdivision, Lot #: _____

Name (last, first, MI): **PANNEY HUGHES** Owner Applicant
HACKETT, JOHN

Mailing Address of Owner/Applicant: **590 BOOTHBY ROAD
 TOPSHAM ME
 LIVERMORE, ME 04253**

Daytime Tel. #: _____

AUGUSTA 5161 TOWN COPY

Date Permit Issued: **9/17/03**

Local Plumbing Inspector Signature: *[Signature]*

L.P.I. # **ADA**

Municipal Tax Map # **67** Lot # **13**

OWNER OR APPLICANT STATEMENT
 I state 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/Applicant: *[Signature]* Date: **9-03**

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

Local Plumbing Inspector Signature: _____ Date: _____

TYPE OF APPLICATION <input type="checkbox"/> 1. First Time System <input checked="" type="checkbox"/> 2. Replacement System Type replaced TRENCH Year installed 1972 <input type="checkbox"/> 3. Expanded System <input type="checkbox"/> a. Minor Expansion <input type="checkbox"/> b. Major Expansion <input type="checkbox"/> 4. Experimental System <input type="checkbox"/> 5. Seasonal Conversion	THIS APPLICATION REQUIRES <input type="checkbox"/> 1. No Rule Variance <input type="checkbox"/> 2. First Time System Variance <input type="checkbox"/> a. Local Plumbing Inspector approval <input type="checkbox"/> b. State & Local Plumbing Inspector approval <input checked="" type="checkbox"/> 3. Replacement System Variance <input type="checkbox"/> a. Local Plumbing Inspector approval <input type="checkbox"/> b. State & Local Plumbing Inspector approval <input type="checkbox"/> 4. Minimum Lot Size Variance <input type="checkbox"/> 5. Seasonal Conversion Permit	DISPOSAL SYSTEM COMPONENTS <input type="checkbox"/> 1. Complete Non-engineered System <input type="checkbox"/> 2. Primitive System (graywater & alt. toilet) <input type="checkbox"/> 3. Alternative Toilet, specify _____ <input type="checkbox"/> 4. Non-Engineered Treatment Tank (only) <input type="checkbox"/> 5. Holding Tank, _____ gallons <input checked="" type="checkbox"/> 6. Non-engineered Disposal Field (only) <input type="checkbox"/> 7. Separated Laundry System <input type="checkbox"/> 8. Complete Engineered System (2000 gpd or more) <input type="checkbox"/> 9. Engineered Treatment Tank (only) <input type="checkbox"/> 10. Engineered Disposal Field (only) <input type="checkbox"/> 11. Pretreatment, specify: _____ <input checked="" type="checkbox"/> 12. Miscellaneous Components
SIZE OF PROPERTY 0.25 <input type="checkbox"/> sq. ft. <input checked="" type="checkbox"/> acres	DISPOSAL SYSTEM TO SERVE: <input checked="" type="checkbox"/> 1. Single Family Dwelling Unit, No. of Bedrooms: 2 <input type="checkbox"/> 2. Multiple Family Dwelling Unit, No. of Units: _____ <input type="checkbox"/> 3. Other _____ (specify) Current Use <input type="checkbox"/> Seasonal <input checked="" type="checkbox"/> Year Round <input type="checkbox"/> Undeveloped	TYPE OF WATER SUPPLY <input checked="" type="checkbox"/> 1. Drilled Well <input type="checkbox"/> 2. Dug Well <input type="checkbox"/> 3. Private <input type="checkbox"/> 4. Public <input type="checkbox"/> 5. Other

TREATMENT TANK <input checked="" type="checkbox"/> 1. Concrete <input type="checkbox"/> a. Regular <input type="checkbox"/> b. Low Profile (IF NEEDED) <input type="checkbox"/> 2. Plastic <input type="checkbox"/> 3. Other EXISTING CAPACITY 750 GAL.	DISPOSAL FIELD TYPE & SIZE <input type="checkbox"/> 1. Stone Bed <input type="checkbox"/> 2. Stone Trench <input checked="" type="checkbox"/> 3. Proprietary Device <input type="checkbox"/> a. cluster array <input checked="" type="checkbox"/> c. linear <input checked="" type="checkbox"/> b. regular load <input type="checkbox"/> d. H-20 load <input type="checkbox"/> 4. Other _____ SIZE 616 sq. ft. <input type="checkbox"/> ln. ft.	GARBAGE DISPOSAL UNIT 1. <input checked="" type="checkbox"/> No <input type="checkbox"/> 3. <input type="checkbox"/> Maybe 2. <input type="checkbox"/> Yes >> Specify one below: <input type="checkbox"/> a. multi-compartment tank <input type="checkbox"/> b. tanks in series <input type="checkbox"/> c. increase in tank capacity <input type="checkbox"/> d. Filter on Tank Outlet	DESIGN FLOW 180 gallons per day BASED ON: <input checked="" type="checkbox"/> 1. Table 601.1 (dwelling unit(s)) <input type="checkbox"/> 2. Table 601.2 (other facilities) SHOW CALCULATIONS -for other facilities-
SOIL DATA & DESIGN CLASS PROFILE CONDITION DESIGN 2 / A-III / 1 at Observation Hole # TP-1 Depth 16 of Most Limiting Soil Factor	DISPOSAL FIELD SIZING 1. <input type="checkbox"/> Small - 2.0 sq. ft./gpd 2. <input type="checkbox"/> Medium - 2.6 sq. ft./gpd 3. <input checked="" type="checkbox"/> Medium-Large - 3.3 sq. ft./gpd 4. <input type="checkbox"/> Large - 4.1 sq. ft./gpd 5. <input type="checkbox"/> Extra-Large - 5.0 sq. ft./gpd	EFFLUENT/EJECTOR PUMP 1. <input type="checkbox"/> Not Required 2. <input type="checkbox"/> May Be Required 3. <input checked="" type="checkbox"/> Required >> Specify only for engineered or experimental systems DOSE _____ gallons	<input type="checkbox"/> 3. Section 503.0 (meter readings) ATTACH WATER METER DATA

I certify that on **9/4/03** (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).

Signature: *[Signature]* Date: **9/5/2003**

Site Evaluator Name Printed: **WILLIAM P BROWN** Telephone Number: **293-2110** E-mail Address: _____

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Department of Human Services
 Division of Health Engineering, Station 10
 (207) 287-5672 FAX 207 287-4165

Town, City, Plantation

AUGUSTA

Street, Road, Subdivision

SOUTH WOODARD ROAD

Owner or Applicant Name

JOHN HACKETT

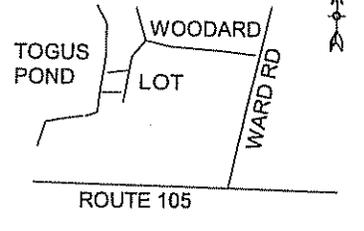
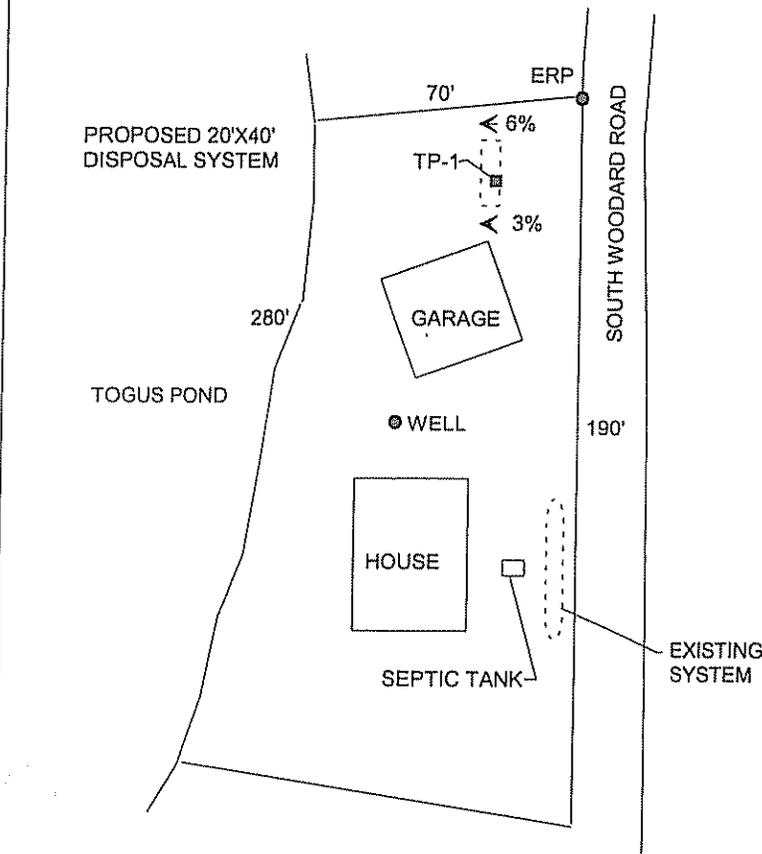
Perry Hughes

SITE PLAN

Scale 1" = 50 Ft.

SITE LOCATION PLAN

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



ERP TO TP-1 = 37'

PROPOSED SEPTIC SYSTEM TO BE 47 FEET FROM LAKE AND 61 FEET FROM WELL

SOIL PROFILE DESCRIPTION AND CLASSIFICATION

(Location of Observation Holes Shown Above)

Observation Hole # TP-1 Test Pit Boring
1 " Depth of organic horizon above mineral soil

Observation Hole # _____ Test Pit Boring
 _____ " Depth of organic horizon above mineral soil

DEPTH BELOW MINERAL SOIL SURFACE (Inches)	Texture	Consistency	Color	Mottling	
0	SANDY LOAM	FRIABLE	MEDIUM BROWN	NONE	
10			ORANGE BROWN		
15			YELLOW BRN		
20	REFUSAL				
30					
40					
50					
Soil Profile <u>2</u>		Classification <u>A-III</u>	Slope <u>3-6 %</u>	Limiting Factor <u>16</u> " Depth	<input type="checkbox"/> Groundwater <input type="checkbox"/> Restrictive Layer <input checked="" type="checkbox"/> Bedrock

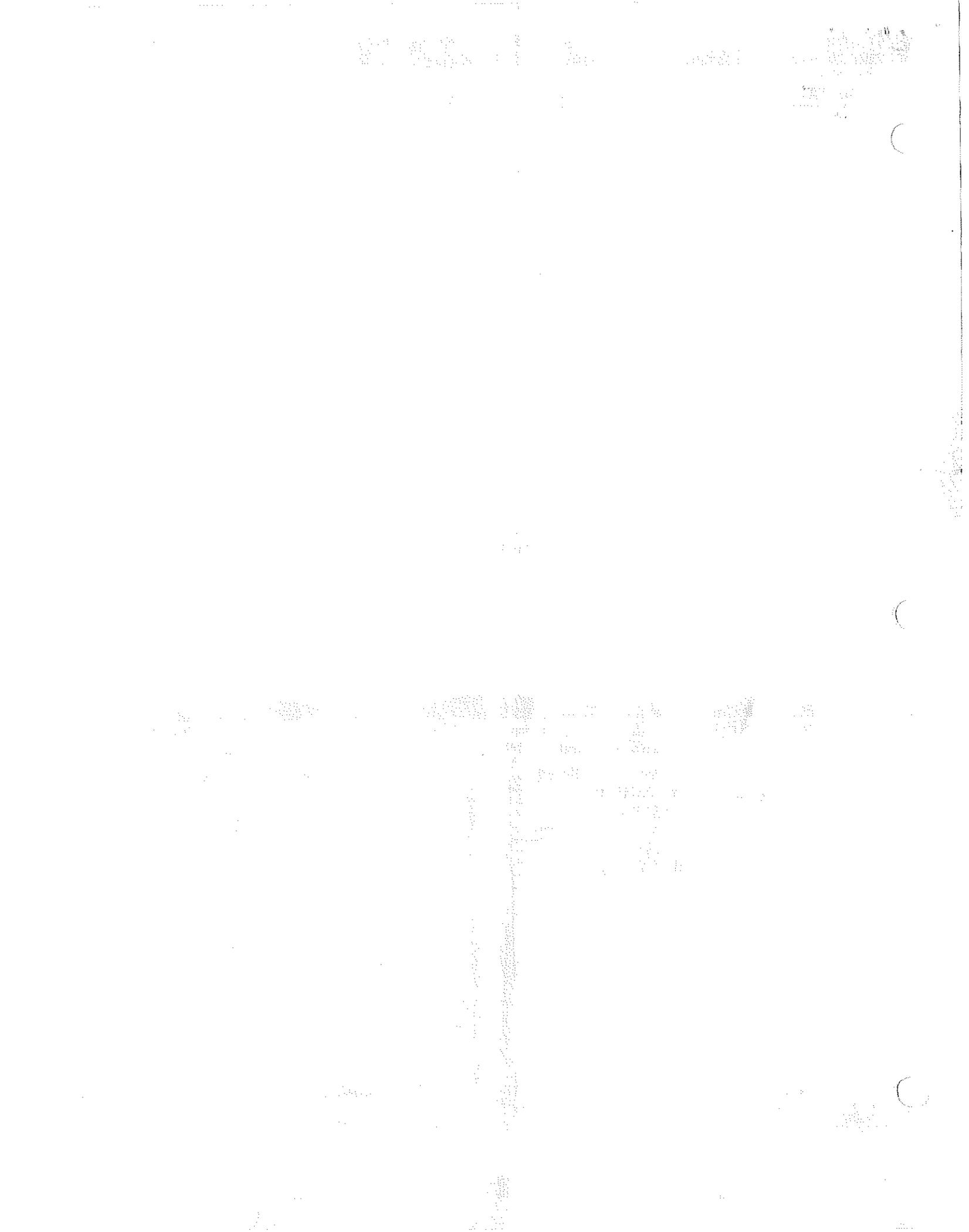
DEPTH BELOW MINERAL SOIL SURFACE (Inches)	Texture	Consistency	Color	Mottling	
0					
10					
20					
30					
40					
50					
Soil Profile _____		Classification _____	Slope _____ %	Limiting Factor _____ " Depth	<input type="checkbox"/> Groundwater <input type="checkbox"/> Restrictive Layer <input type="checkbox"/> Bedrock

WILLIAM P BROWN *William P Brown*
 Site Evaluator Signature

188
 SE #

9/5/2003
 Date

Page 2 of 3
 HHE-200 Rev. 10/02



SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Town, City, Plantation

Street, Road, Subdivision

Department of Human Services
Division of Health Engineering

Owners Name

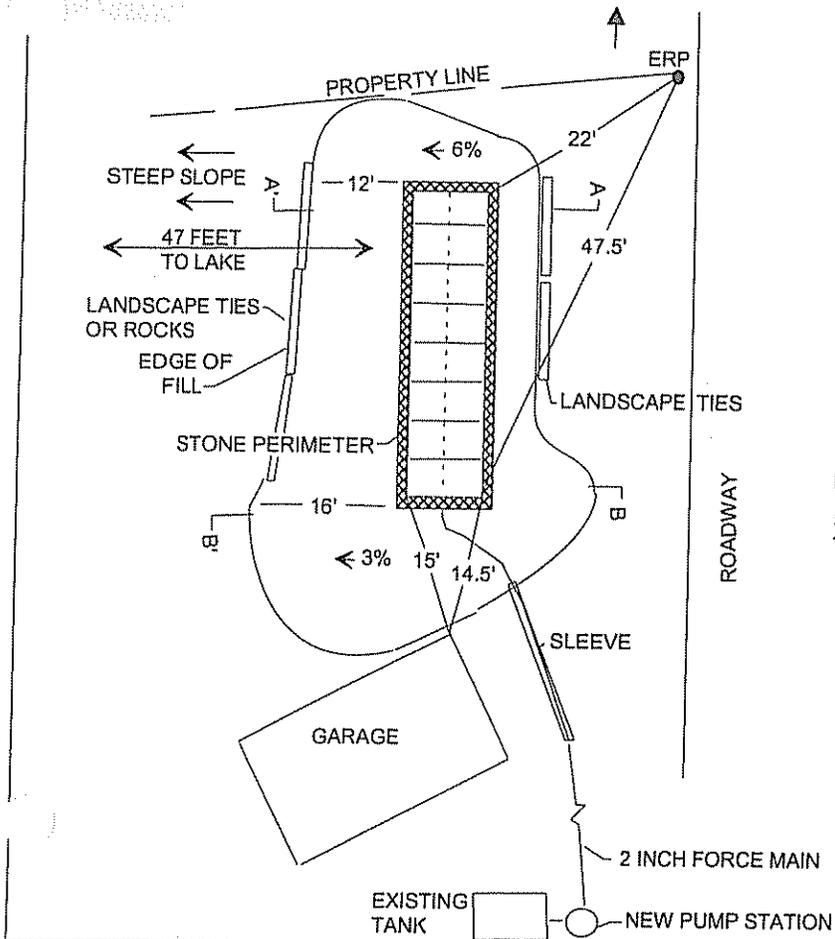
AUGUSTA

SOUTH WOODARD ROAD

JOHN HACKETT / Penny Hugl

SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale 1" = 20' Ft.



USE 8- 4' X 8' CONCRETE CHAMBERS WITH SIDE ENTRY DISTRIBUTION PIPING OR 4 - 8'X8' CONCRETE CHAMBERS

EXTEND ONE FOOT WIDE PERIMETER OF CRUSHED STONE AROUND THE CHAMBERS

MEASUREMENTS ARE TO EDGE OF CONCRETE CHAMBERS FOR LAYOUT PURPOSES. MEASUREMENTS FOR SETBACKS ARE FROM OUTSIDE EDGE OF STONE PERIMETER

EXISTING 750 GALLON SEPTIC TANK TO BE LEFT INTACT
INSTALL NEW 3 FOOT DIAMETER PUMP STATION NEAR TANK.

SLEEVE FORCE MAIN INSIDE SCHEDULE 40 PVC UNDER DRIVEWAY. PROTECT FORCE MAIN FROM FREEZING

USE LANDSCAPE TIES OR ROCKS TO PREVENT VEHICLES FROM DRIVING ON SEPTIC SYSTEM

STEEPEN SLOPE TO 3:1 AND USE LANDSCAPE TIES OR ROCKS TO AVOID FILL OVER STEEP ENBANKMENT

Use erosion control measures

FILL REQUIREMENTS

Depth of Fill (Upslope) **32-35"**
 Depth of Fill (Downslope) **38"**
 DEPTHS AT CROSS-SECTION (shown below)

CONSTRUCTION ELEVATIONS

Finish Grade Elevation **VARIES**
 Top of distribution Lines or Chambers **-51"**
 Bottom of Disposal Area **-64"**

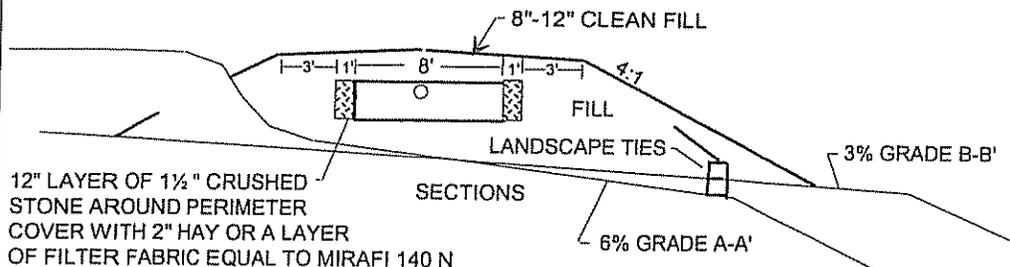
ELEVATION REFERENCE POINT

Location and Description:
FLAGGED NAIL IN POWER POLE, 2 FEET ABOVE GROUND
 Reference Elevation is: **00"**

DISPOSAL AREA CROSS SECTION

Scale:

Vertical: 1 Inch = 5 Ft.
 Horizontal: 1 Inch = 10 Ft.



REMOVE VEGETATION AND ORGANIC LAYER IN DISPOSAL AREA
 SCARIFY ENTIRE FILL AREA
 MIX 4 INCHES OF FILL MATERIAL THOROUGHLY WITH EXISTING SOIL TO FORM A TRANSITION ZONE (ACCORDING TO CHAPTER 8, PLUMBING CODE)
 FILL SHALL BE GRAVELLY COARSE SAND
 PLACE 12 INCH PERIMETER OF CRUSHED STONE AROUND ENTIRE SYSTEM
 INSTALL ALL CHAMBERS PER MANUFACTURER'S INSTRUCTIONS
 SLOPE FINISH GRADE ALL ONE-WAY (AS SHOWN)
 LOAM, SEED, MULCH

COVER TOP SEAMS BETWEEN CONCRETE CHAMBERS WITH HAY OR FABRIC

WILLIAM P BROWN
 Site Evaluator Signature

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 SE #

9/5/2003
 Date

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