Called 12/9 8:30

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Dept. Health & Human Services
Division of Health Engineering, 10 SHS
(207) 287-5672 Fax: (207) 287-3165

PROPERTY LOCATION

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

City, Town, or Plantation	AUGUSTA
Street or Road	428 EASTERN AVENUE
Subdivision, Lot #	

AUGUSTA PERMIT # 6256 TOWN COPY

Date Permit Issued: 12/9/08 $ 120.00 FEE ☐ If Double Fee Charged

Local Plumbing Inspector Signature L.P.I. #

OWNER/APPLICANT INFORMATION

Name (last, first, MI): PEDERSEN, JOHN ☒ Owner ☐ Applicant

Mailing Address of Owner/Applicant: P.O. BOX 983 GARDINER, ME 04345

Daytime Tel. #: 557-1701

Municipal Tax Map # 56 Lot # 4

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.

Local Plumbing Inspector Signature (1st) date approved 3/27/09 (2nd) date approved

PERMIT INFORMATION

TYPE OF APPLICATION

- ☐ 1. First Time System
- ☒ 2. Replacement System
  - Type replaced: CESS POOL
  - 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 Permit

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

±0.7 ☐ 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 GAL. INSTALL

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: ELJEN IN-DRAINS

SIZE: 1344 ☒ 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 501.2 (other facilities)

SHOW CALCULATIONS for other facilities

SOIL DATA & DESIGN CLASS

PROFILE	CONDITION	DESIGN
8	D	

at Observation Hole # 2

Depth 7"

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

- ☐ 3. Section 503.0 (meter readings)

ATTACH WATER METER DATA

LATITUDE AND LONGITUDE

at center of disposal area

Lat. 44 d 17 m 25 s

Lon. 69 d 47 m 40 s

If g.p.s., state margin of error: _____

SITE EVALUATOR STATEMENT

I certify that on 10/01/08 (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).

Site Evaluator Signature — SE # 226 REVISED 10/13/08 — Date 10/06/08

VAUGHN L. SMITH — Site Evaluator Name Printed

724-5635 — Telephone Number

SOILTESTMAN@AOL.COM — E-mail Address

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

HHE-200 Rev. 4/05

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

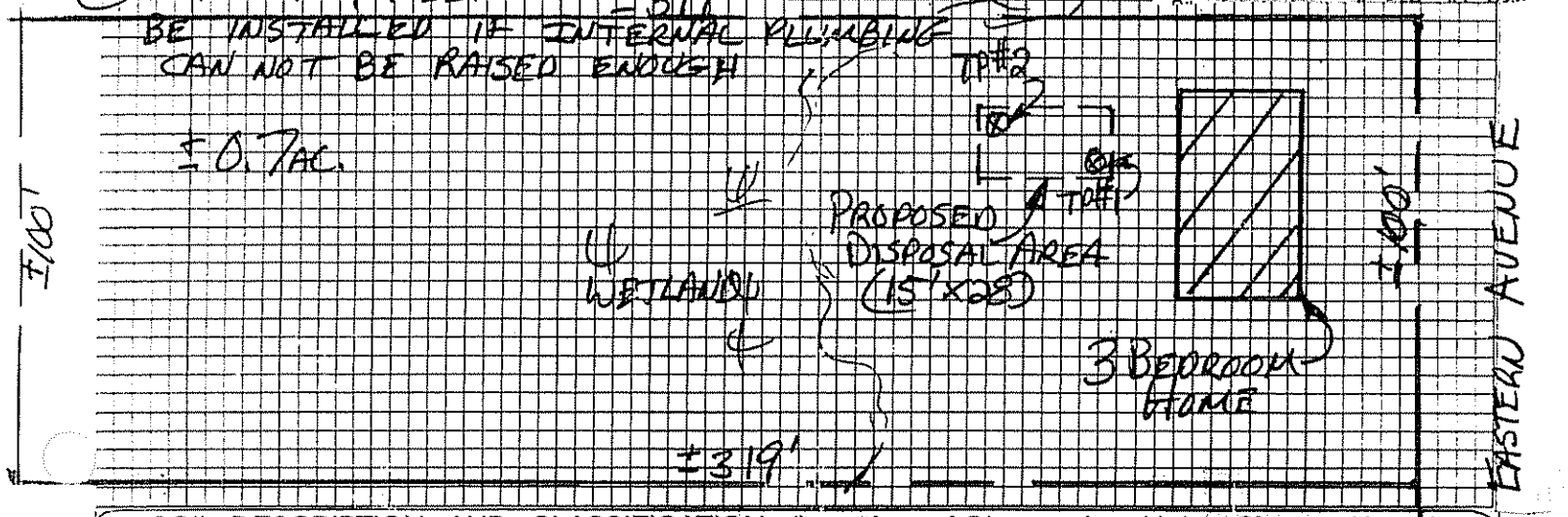
Department of Human Services
Division of Health Engineering
(207) 287-5672 FAX (207) 287-4172

Town, City, Plantation: AUGUSTA | Street/Road Subdivision: 428 EASTERN AVENUE | Owner's Name: JOHN PEDERSEN

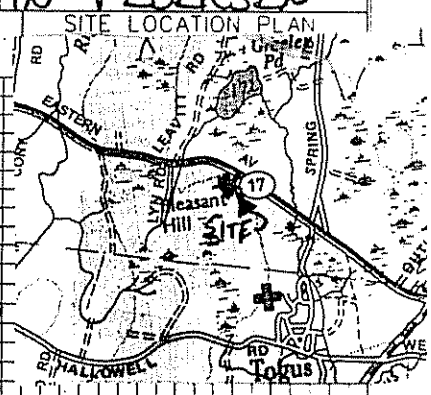
SITE PLAN

Scale 1" = 40 Ft. or as shown

NOTES
1. PROPERTY INFORMATION SHOWN PER OWNER IS APPROXIMATE
2. ALL TIES, ELEVATIONS + PROPERTY LINES SHALL BE CONFIRMED PRIOR TO CONSTRUCTION
3. ALL FILL SHALL REMAIN ON THIS PROPERTY, USE BEST PRACTICES TO CONTROL EROSION
4. A PUMP MAY NEED TO BE INSTALLED IF INTERNAL PLUMBING CAN NOT BE RAISED ENOUGH



SITE LOCATION PLAN



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

Observation Hole #1 ☒ Test Pit ☐ Boring
1" Depth of Organic Horizon Above Mineral Soil

Depth below mineral soil surface (inches)	Texture	Consistency	Color	Mottling
0–10		FRIABLE	OLIVE BROWN	NONE
10–20	SILT		OLIVE	FEW
20–30	LOAM	FIRM		DISTINCT
30–40				
40–50				

Soil Classification: Profile	Condition	Slope	Limiting Factor	
8	D	6 %	7"	☒ Ground Water ☒ Restrictive Layer ☐ Bedrock ☐ Pit Depth

Observation Hole #2 ☒ Test Pit ☐ Boring
1" Depth of Organic Horizon Above Mineral Soil

Depth below mineral soil surface (inches)	Texture	Consistency	Color	Mottling
0–10		FRIABLE	OLIVE BROWN	NONE
10–20	SILT	FIRM	OLIVE	COMMON DISTINCT
20–30	LOAM			
30–40				
40–50				

Soil Classification: Profile	Condition	Slope	Limiting Factor	
8	D	3 %	7"	☒ Ground Water ☒ Restrictive Layer ☐ Bedrock ☐ Pit Depth

Site Evaluator Signature: [signature] | SE #: 226 | Date: 10/06/08

REVISED 10/15/08

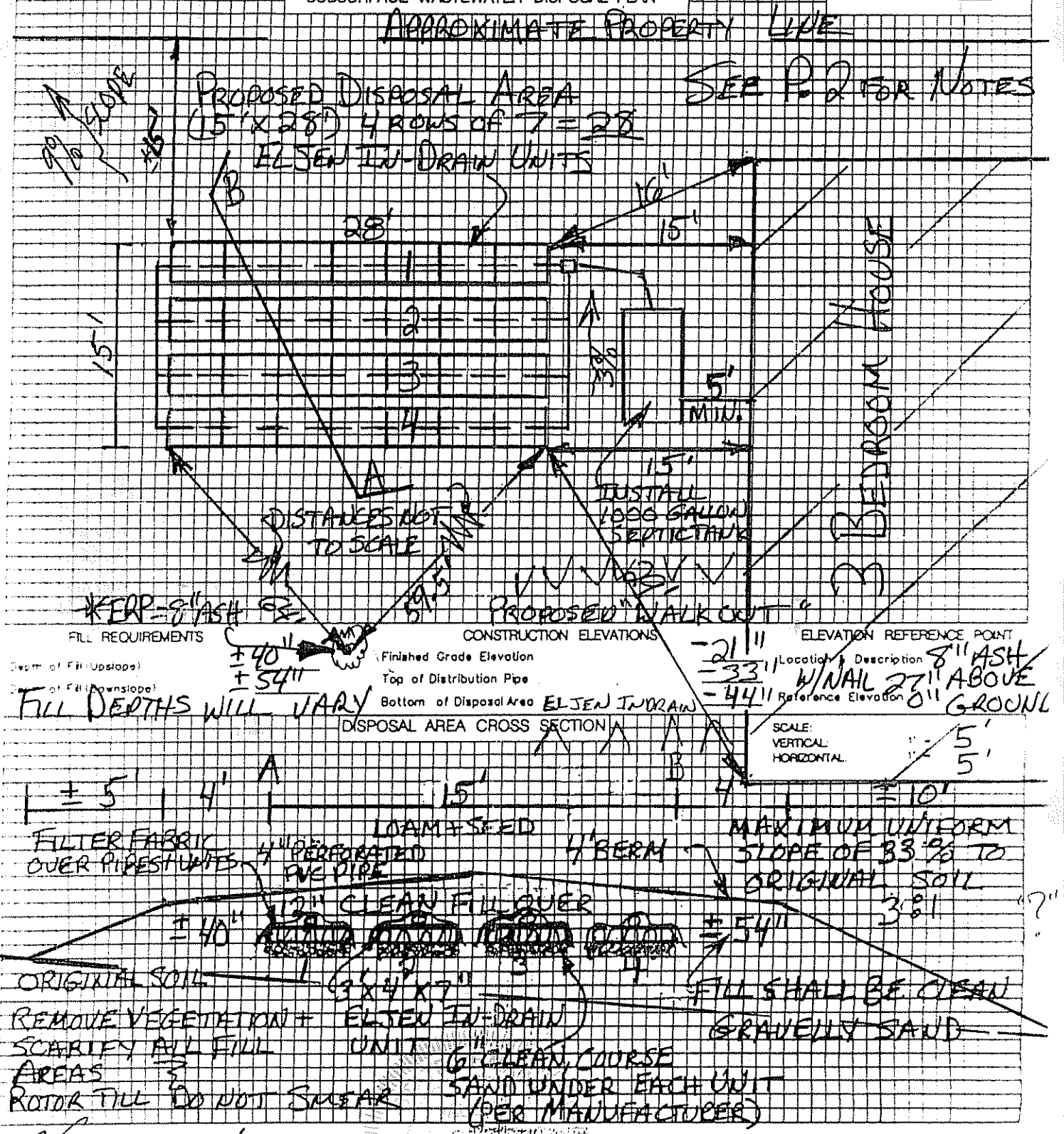
SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering
(207) 287-5672 FAX (207) 287-4172

Town, City, Plantation: AUGUSTA
Street, Road, Subdivision: 428 EASTERN AVENUE
Owner's Name: JOHN PEDERSEN

SUBSURFACE WASTEWATER DISPOSAL PLAN

SCALE 1" = 10 FT



Site Evaluator Signature: [signature]
SE: 226
Date: 10/15/08

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 an 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 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 AUGUSTA

Permit No. #62370 Date Permit Issued 12/4/00

Property Owner's Name: JOHN PEDERSEN Tel. No.: 557-1701

System's Location: 428 EASTERN AVENUE

Property Owner's Address: P.O. BOX 983

(if different from above) GARDINER, ME 04345

SPECIFIC INSTRUCTIONS TO THE:

LOCAL PLUMBING INSPECTOR (LPI):

If any of the variances exceed your approval authority and/or do not meet all of 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 Variance Request with your signature on reverse side of form.

PROPERTY OWNER:

If 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.

SIGNATURE OF OWNER DATE

LOCAL PLUMBING INSPECTOR

I, George N. Lucas Jr., 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, ☐disapprove) 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, the reasons shall be stated in Comments Section below as to why the proposed replacement system is not being recommended.

Comments:

LPI SIGNATURE 12/8/00 DATE

HHE-204 Rev 6/00

Replacement System Variance Request

VARIANCE CATEGORY	LIMIT OF LPI'S APPROVAL AUTHORITY						VARIANCE REQUESTED TO:	
SOILS								
Soil Profile	Ground Water Table			to 7"			5" inches	
Soil Condition	Restrictive Layer			to 7"			5" inches	
from HHE-200	Bedrock			to 12"			— inches	
SETBACK DISTANCES (In feet)	Disposal Fields			Septic Tanks			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 [a]	300 ft [a]	300 ft [a]	100 ft [a]	100 ft [a]	100 ft [a]	—	—
Owner's wells	100 down to 60 ft	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	—	—
Neighbor's wells	100 down to 60 ft [b]	200 down to 120 ft [b]	300 down to 180 ft [b]	100 down to 50 ft [b]	100 down to 75 ft [b]	100 down to 75 ft [b]	—	—
Water supply line	10 ft [a]	20 ft [a]	25 ft [a]	10 ft [a]	10 ft [a]	10 ft [a]	—	—
Water course, major - for replacements only, see Table 400.4 for major expansions	100 down to 60 ft	200 down to 120 ft	300 down to 180 ft	100 down to 50 ft	100 down to 50 ft	100 down to 50 ft	—	—
Water course, minor	50 down to 25 ft	100 down to 50 ft	150 down to 75 ft	50 down to 25 ft	50 down to 25 ft	50 down to 25 ft	—	—
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 [d]	25 ft [d]	25 ft [d]	25 ft [d]	25 ft [d]	25 ft [d]	25'	—
Slopes greater than 3:1	10 ft	18 ft	25 ft	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	—	—
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	15'	5'
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 down toe of the fill extension	25 ft	25 ft	25 ft	25 ft	25 ft	25 ft	—	—

OTHER

1. Fill extension Grade - to 3:1

2.

3.

Footnotes: a. This setback distance cannot be reduced by the LPI, but may be considered for reduction by State variance.

b. 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.

c. Sufficient distance shall be maintained to assure that the toe of the fill does not extend to the 3:1 slope or property line.

d. Natural Resources Protection Act requires a 25 foot setback on slopes with less than 20% from the edge of disturbance and 100 feet on slopes greater than 20% except for the repair or installation of a replacement system when no practical alternative exists.

SITE EVALUATOR'S SIGNATURE — DATE 10/06/08 REVISED 10/15/08

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

Page 2, HHE-204 Rev 6/00

FORMS

Doc # 2008031958
Book 9923 Page 0049

SUBSURFACE WASTEWATER DISPOSAL SYSTEM VARIANCE DEED COVENANT

To Property Owner: Complete and record this form with your County Registry of Deeds. Afterward, submit a copy of the recorded covenant to the Local Plumbing Inspector and the Department of Human Services, Division of Health Engineering, State House Station #10, Augusta, Maine 04333-0010.

To County Registrar: Please cross reference by book and page number:
Book 6148, Page 120.

Address of Property with Disposal System: 428 Eastern Avenue.
(Incl. Municipal Book & Page No.) Book 9870 Page 311 Augusta, Maine

Stipulations of Covenant: This covenant is to allow the placement of a fill extention
* associated with the replacement septic system design drawn by Vaughn L.Smith on October 15, 2008 for 428 Eastern Avenue. The extention is allowed a maximum extention onto my property of twenty-feet by the length of the septic bed as designed. This covenant does not provide any other permissions.

The Department of Human Services and/or the Town of Augusta has approved a Variance to the Maine Subsurface Waste Water Disposal Rules, 10-144A CMR 241, for the installation of a subsurface waste water disposal system subject to the implementation of the above conditions.

Signature [signature] Date 12/4/08

Signature \ Date \

***

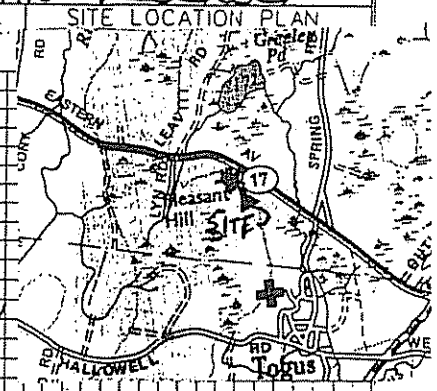
UBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering
(207) 287-5672 FAX (207) 287-4172

...n, City, Plantation	Street/Road Subdivision	Owner's Name
UGUSTA	428 EASTERN AVENUE	JOHN PEDERSEN

SITE PLAN — Scale 1" = 40 Ft. or as shown

SITE LOCATION PLAN



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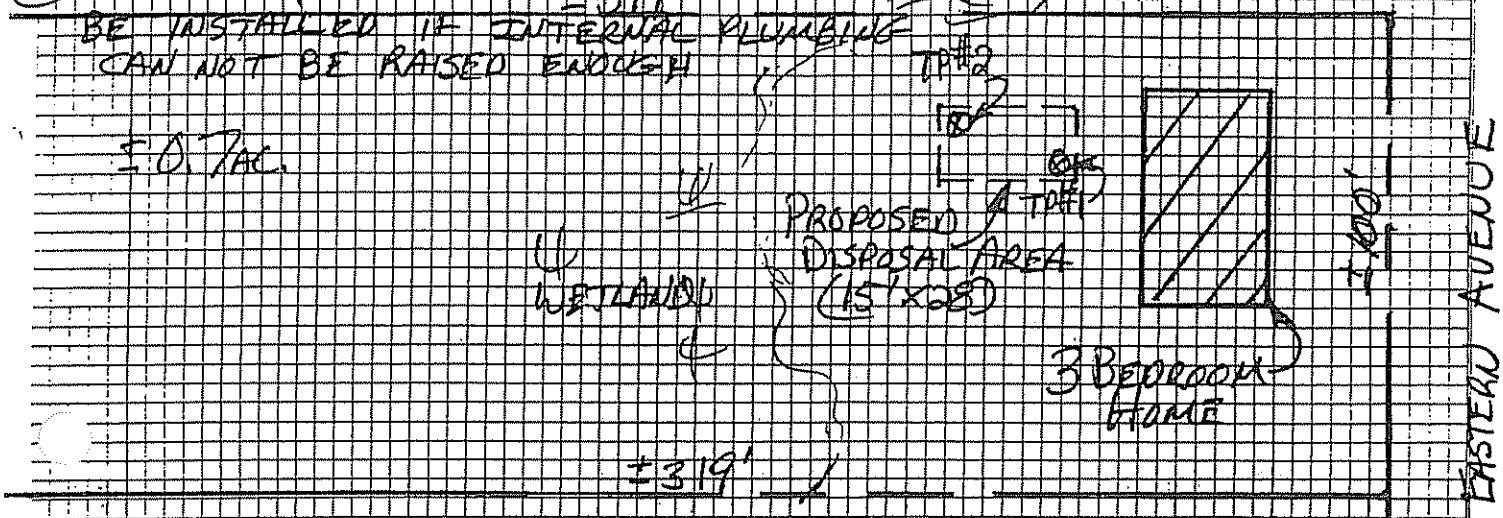

SOIL DESCRIPTION AND CLASSIFICATION (Location of Observation Holes Shown Above)

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1" Depth of Organic Horizon Above Mineral Soil

Depth below mineral soil surface (inches)	Texture	Consistency	Color	Mottling
0–10		FRIABLE	OLIVE BROWN	NONE
10–20	SILT		OLIVE	FEW
20–30	LOAM	FIRM		DISTINCT
30–40				
40–50				

Soil Classification	Slope	Limiting Factor	
8 (Profile) D (Condition)	6 %	7"	☒ Ground Water ☒ Restrictive Layer ☐ Bedrock ☐ Pit Depth

Observation Hole #2 ☒ Test Pit ☐ Boring
1" Depth of Organic Horizon Above Mineral Soil

Depth below mineral soil surface (inches)	Texture	Consistency	Color	Mottling
0–10		FRIABLE	OLIVE BROWN	NONE
10–20	SILT	FIRM	OLIVE	COMMON DISTINCT
20–30	LOAM			
30–40				
40–50				

Soil Classification	Slope	Limiting Factor	
8 (Profile) D (Condition)	3 %	7"	☒ Ground Water ☒ Restrictive Layer ☐ Bedrock ☐ Pit Depth

Received Kennebec SS.
12/04/2008 1:39PM
Pages 2 Attest:
BEVERLY BUSTIN-HATHEWAY
REGISTER OF DEEDS

Site Evaluator Signature: [signature] SE 226 Date: 10/06/08

REVISED 10/15/08 (VW)

Doc # 20080031958
Book 9923 Page 0050