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

Permit No. 5960 Town of AUGUSTA

Date Permit Issued 2/24/07

Property Owner's Name: JOYCE ARSENAULT Tel. No.: 622-4824

System's Location: 262 CROSS HILL ROAD

Property Owner's Address:

(if different from above)

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.

Joyce Arsenault
SIGNATURE OF OWNER

06/28/06
DATE

LOCAL PLUMBING INSPECTOR

I, Gary R. Lantz, 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:

Gary R. Lantz
LPI SIGNATURE

2/24/07
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"			—	inches
Soil Condition	Restrictive Layer			to 7"			—	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	80'	N/A
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]	34'	—
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	—	—
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 6/28/06

STATE OF MAINE VAUGHN L. SMITH 926 LICENSED SITE EVALUATOR

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

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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: 262 CROSS HILL ROAD

Subdivision, Lot #:

AUGUSTA PERMIT # 5960 TOWN COPY

Date Permit Issued: 4/24/07 $ 120.00 ☐ If Double Fee Charged

Local Plumbing Inspector Signature: Gary R. Tuttle L.P.I. # 851

OWNER/APPLICANT INFORMATION

Name (last, first, MI): ARSENAULT, JOYCE ☒ Owner ☐ Applicant

Mailing Address of Owner/Applicant: 262 CROSS HILL ROAD AUGUSTA, ME 04330

Daytime Tel. #: 622-4824

Municipal Tax Map # 4 Lot # 10 LR

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: Joyce Arsenault Date: 2/19/07

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: Gary R. Tuttle (1st) date approved: 7/17/07 (2nd) date approved:

PERMIT INFORMATION

TYPE OF APPLICATION

- ☐ 1. First Time System
- ☒ 2. Replacement System
  - Type replaced: SINK DRAIN
  - 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

± 7.5 ☐ SQ. FT. ☒ ACRES

SHORELAND ZONING

☒ Yes ☐ No

DISPOSAL SYSTEM TO SERVE

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

Current Use ☒ Seasonal ☐ Year Round ☐ Undeveloped

TYPE OF WATER SUPPLY (NOT CURRENTLY USED)

SIPHON FROM POND

☐ 1. Drilled Well ☐ 2. Dug Well ☐ 3. Private

☐ 4. Public ☒ 5. Other HAND CARRIED ONLY

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

TREATMENT TANK

- ☐ 1. Concrete
  - ☐ a. Regular
  - ☐ b. Low Profile
- ☐ 2. Plastic
- ☐ 3. Other:

N/A

CAPACITY: ____ GAL.

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: INFILTRATORS

SIZE: 250 ☒ 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

75 gallons per day

BASED ON:

- ☐ 1. Table 501.1 (dwelling unit(s))
- ☒ 2. Table 501.2 (other facilities)

SHOW CALCULATIONS for other facilites

3 FIXTURES @ 25 GPD FIXTURE

- ☐ 3. Section 503.0 (meter readings)

ATTACH WATER METER DATA

SOIL DATA & DESIGN CLASS

PROFILE 3 / CONDITION C / DESIGN

at Observation Hole # 2

Depth 24"

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

LATITUDE AND LONGITUDE

at center of disposal area

Lat. 44 d 20 m 30 s

Lon. 69 d 40 m 45 s

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

SITE EVALUATOR STATEMENT

I certify that on 6/19/06 (date) I completed a site evaluation on this property and state that the data reported are accurate and that the proposed systems in compliance with the State of Maine Subsurface Wastewater Disposal Rules (10-144A CMR 241).

Site Evaluator Signature: Vaughn L. Smith

SMITH VAUGHN L. SITE EVALUATOR 226

SMITH SITE EVALUATOR

SE # 226 Date: 6/28/06

Site Evaluator Name Printed: VAUGHN L. SMITH

Telephone Number: 724-5635

E-mail Address: SOILTESTMAN@AOL.COM

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

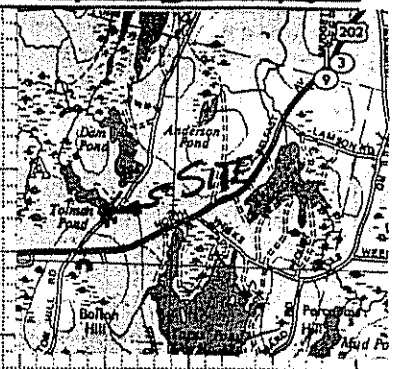
HHE-200 Rev. 4/05

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

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	262 CROSS HILL ROAD	JOYCE ARSENAULT

SITE PLAN Scale: 1" = 100 ft.



SEE ATTACHED SITE PLAN

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

Observation Hole # 1 ☒ Test Pit ☐ Boring

2 " Depth of organic horizon above mineral soil

Depth below mineral soil surface (inches)	Texture	Consistency	Color	Mottling
0				
6	COBBLY	FRIABLE	YELLOWISH	NONE
12			BROWN	
18	SANDY			
24	LOAM	////		////
30				
36		FIRM	PALE	FEW
42			OLIVE	FAINT
48				

Soil Profile	Classification Condition	Slope Percent	Limiting Factor Depth	
3	C	5	24	☒ Groundwater ☒ Restrictive Layer ☐ Bedrock

Observation Hole # 2 ☒ Test Pit ☐ Boring

2 " Depth of organic horizon above mineral soil

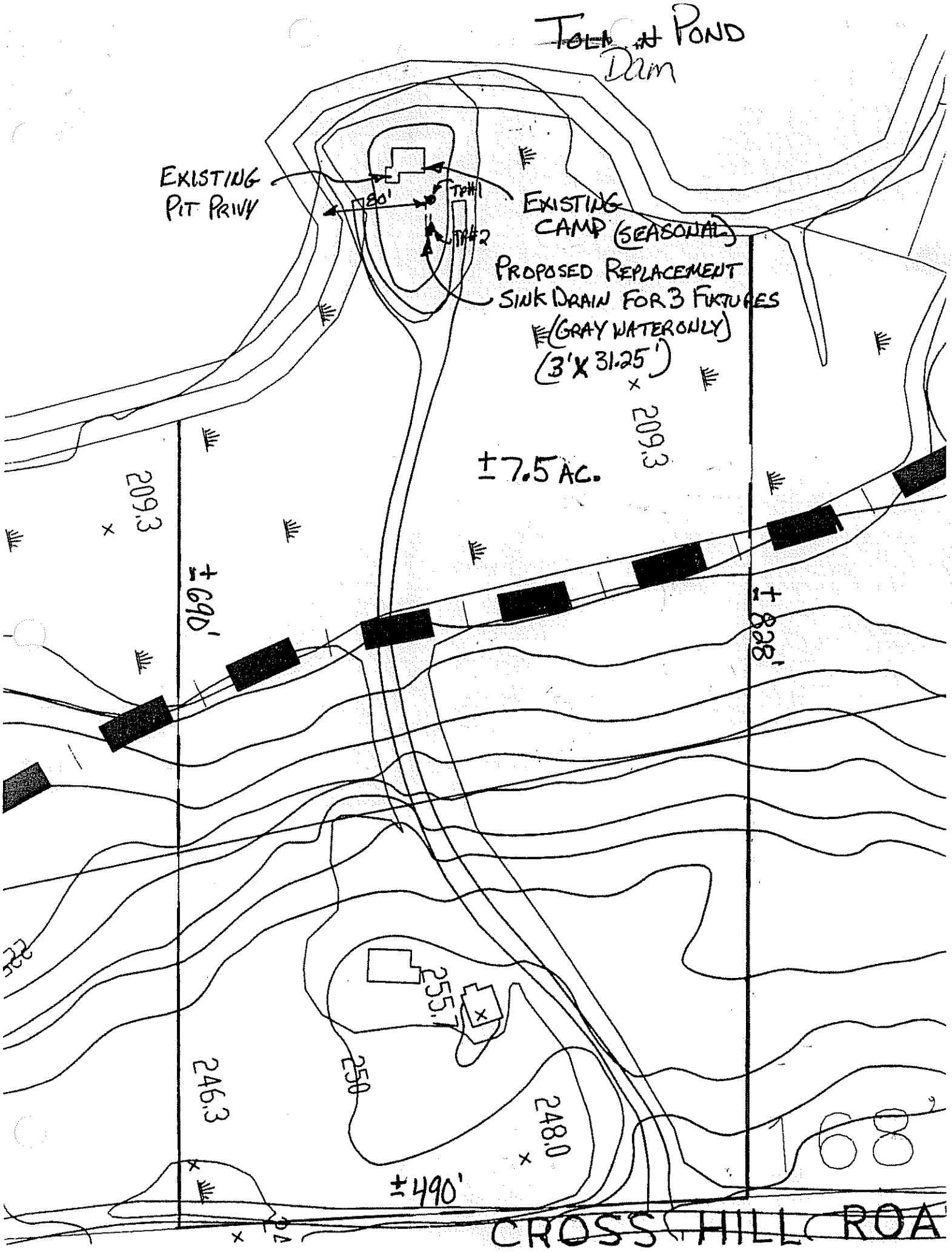
Depth below mineral soil surface (inches)	Texture	Consistency	Color	Mottling
0				
6	COBBLY	FRIABLE	YELLOWISH	NONE
12			BROWN	
18				
24	SANDY			
30		////		////
36	LOAM	FIRM	PALE	FEW
42			OLIVE	FAINT
48				

Soil Profile	Classification Condition	Slope Percent	Limiting Factor Depth	
3	C	6	24	☒ Groundwater ☒ Restrictive Layer ☐ Bedrock

STATE OF MAINE VAUGHN SMITH 226 SE # 226 LICENSED SITE EVALUATOR

Vaughn L. Smith
Site Evaluator Signature

6/28/06
Date


Toll in Pond
Dam
EXISTING
PIT PRIVY
80'
TP#1
TP#2
EXISTING
CAMP (SEASONAL)
PROPOSED REPLACEMENT
SINK DRAIN FOR 3 FIXTURES
(GRAY WATER ONLY)
(3' X 31.25')
209.3
±7.5 AC.
209.3
±690'
±828'
255.7
250
248.0
246.3
±490'
168
CROSS HILL ROA

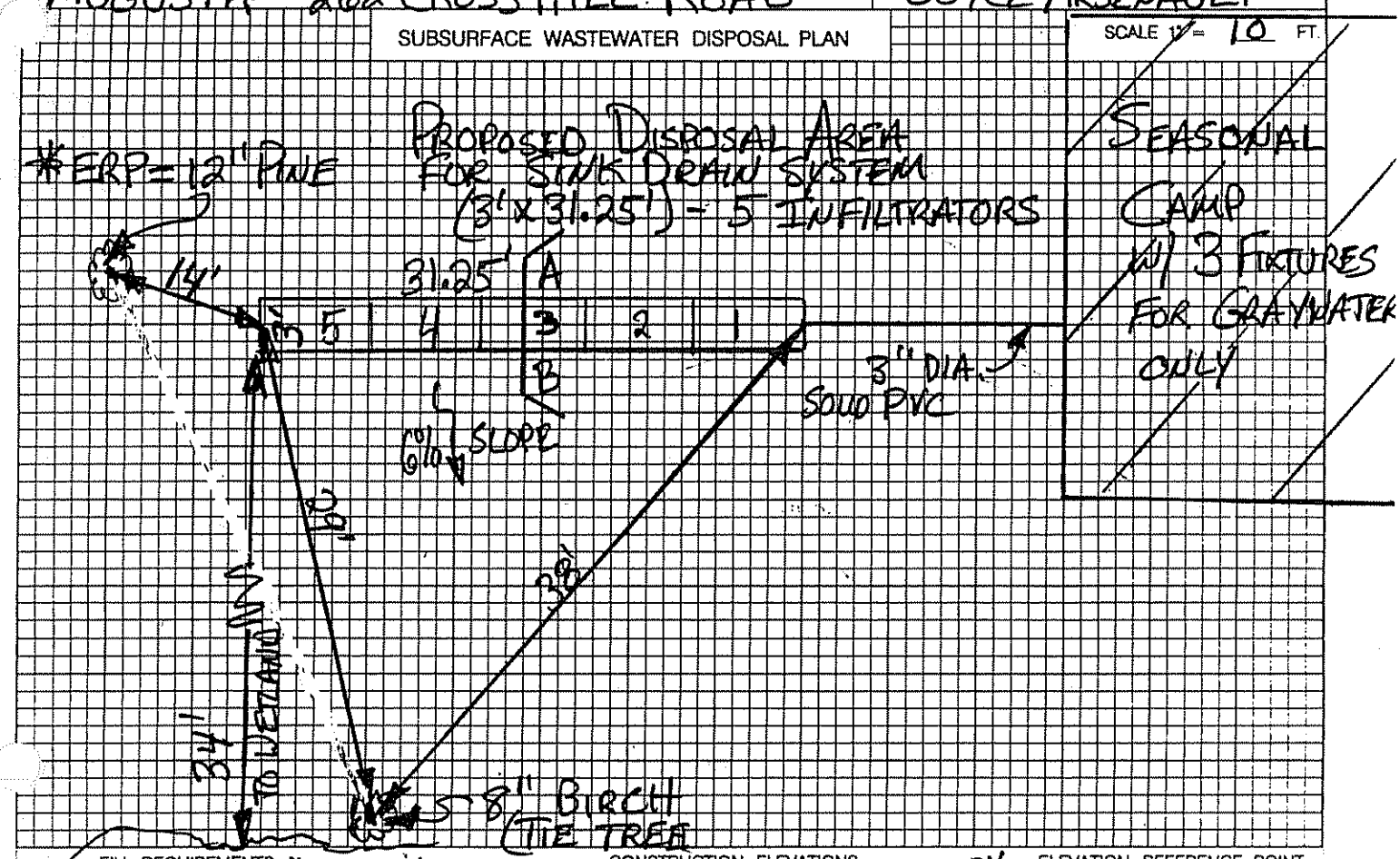
SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

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

Town, City, Plantation	Street, Road, Subdivision	Owner's Name
AUGUSTA	262 CROSS HILL ROAD	JOYCE ARSENAULT

SUBSURFACE WASTEWATER DISPOSAL PLAN

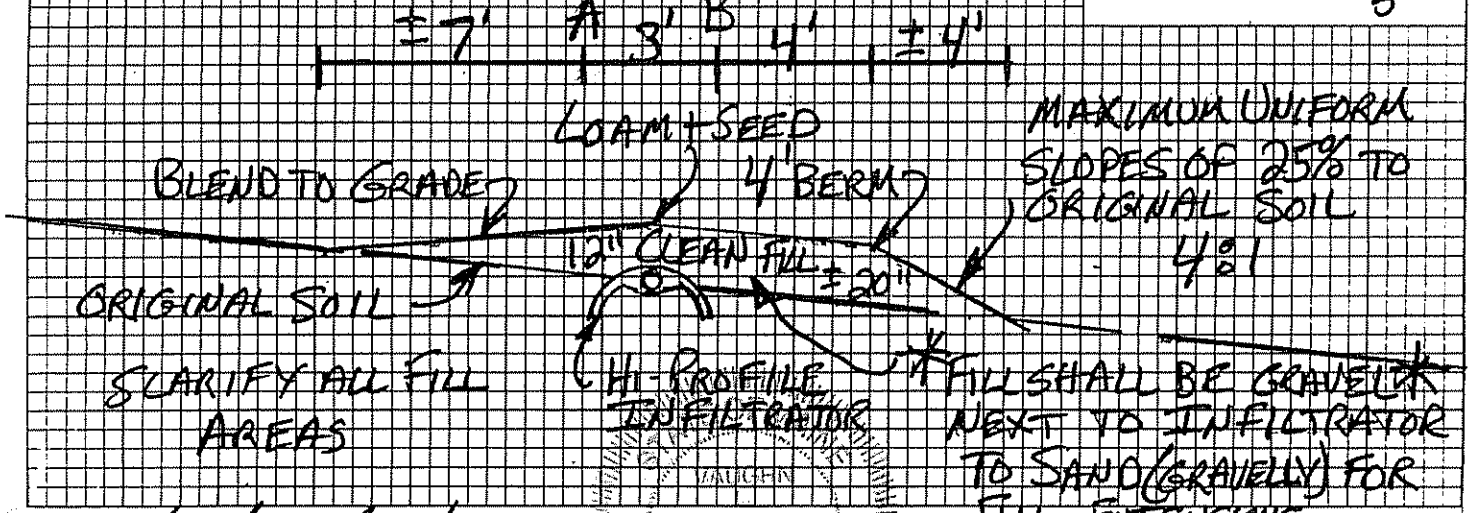
SCALE 1" = 10 FT.



FILL REQUIREMENTS		CONSTRUCTION ELEVATIONS		ELEVATION REFERENCE POINT
Depth of Fill (Upslope)	18"	Finished Grade Elevation	-38"	Location & Description 12" PINE W/NAIL 39" ABOVE GROUND
Depth of Fill (Downslope)	20"	Top of Distribution Pipe or Proprietary Device	-50"	
		Bottom of Disposal Area	-66"	Reference Elevation 0"

DISPOSAL AREA CROSS SECTION

SCALE:
VERTICAL: 1" = 5'
HORIZONTAL: 1" = 5'



Vaughn L. Smith
Site Evaluator Signature

VAUGHN L. SMITH 226 LICENSED SITE EVALUATOR

6/28/06
Date