

updated file
6910

LPI

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Dept. Health & Human Services
Div of Environmental Health, 11 SHS
(207) 287-5672 Fax: (207) 287-4172

PROPERTY LOCATION

City, Town, or Plantation: **AUGUSTA**
Street or Road: **415 EASTERN AVE**
Subdivision, Lot #:

>> CAUTION: LPI APPROVAL REQUIRED <<

Town/City: **AUGUSTA** Permit # _____
Date Permit Issued: **1/1** Fee: \$ _____ Double Fee Charged []
Local Plumbing Inspector Signature _____ L.P.I. # _____
 Owner Town State

OWNER/APPLICANT INFORMATION

Name (last, first, MI): **BROCHU RAYMOND** Owner Applicant
Mailing Address of Owner/Applicant: **6 ARROWHEAD DR # 114**
Daytime Tel. #: **207-512-8200**

The Subsurface Wastewater Disposal System shall not be installed until a Permit is issued by the Local Plumbing Inspector. The Permit shall authorize the owner or installer to install the disposal system in accordance with this application and the Maine Subsurface Wastewater Disposal Rules.
Municipal Tax Map # _____ Lot # _____

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: *Raymond Brochu* Date: **5-14-14**

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: *Nancy R. Furber* (1st) date approved: **7/18/14**
(2nd) date approved: _____

PERMIT INFORMATION

TYPE OF APPLICATION
 1. First Time System
 2. Replacement System
Type replaced: **PIPE & STONE**
Year installed: **1970's**
 3. Expanded System
a. <25% Expansion
b. ≥25% 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
2 ac ± SQ. FT. ACRES

DISPOSAL SYSTEM TO SERVE
 1. Single Family Dwelling Unit, No. of Bedrooms: **3**
 2. Multiple Family Dwelling, No. of Units: _____
 3. Other: _____ (specify)

TYPE OF WATER SUPPLY
 1. Drilled Well 2. Dug Well 3. Private

SHORELAND ZONING
 Yes No

Current Use Seasonal Year Round Undeveloped

4. Public 5. Other

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

TREATMENT TANK
 1. Concrete **EXISTING TANK TO BE REPLACED**
a. Regular **3'**
b. Low Profile
 2. Plastic
 3. Other: _____
CAPACITY: **1000** 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: **ENVIRO-SAPTIC**
SIZE: **605** 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 4A (dwelling unit(s))
 2. Table 4C (other facilities)
SHOW CALCULATIONS for other facilities
5 Row 55' LONG
 3. Section 4.5 (meter readings)
ATTACH WATER METER DATA

SOIL DATA & DESIGN CLASS
PROFILE CONDITION: **9.1 D**
at Observation Hole # **TP-2**
Depth **9"**
of Most Limiting Soil Factor

DISPOSAL FIELD SIZING
 1. Medium---2.6 sq. ft. / gpd
 2. Medium---Large 3.3 sq. ft. / gpd
 3. Large---4.1 sq. ft. / gpd
 4. Extra Large---5.0 sq. ft. / gpd

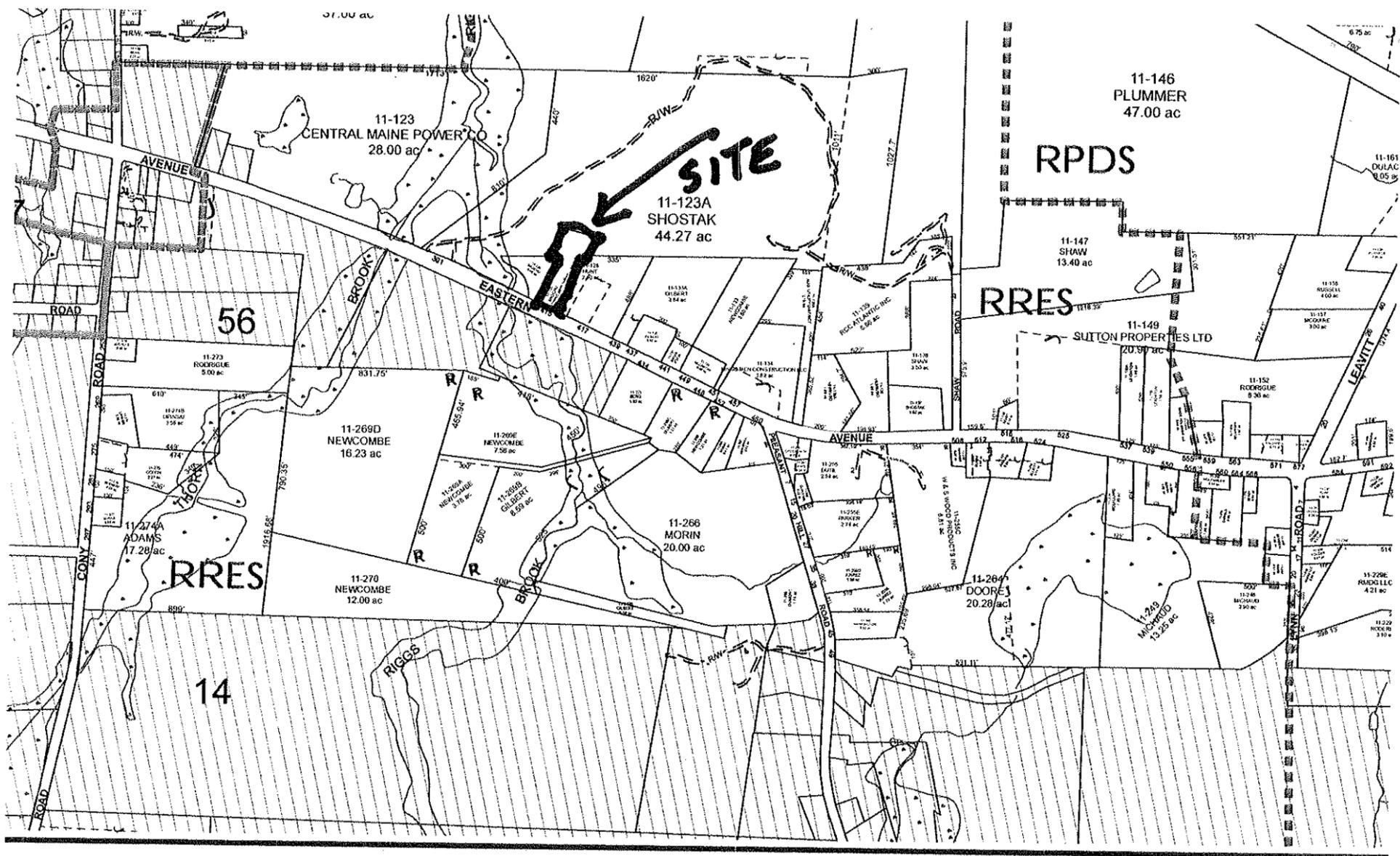
EFFLUENT/EJECTOR PUMP
 1. Not Required
 2. May Be Required
 3. Required
Specify only for engineered systems:
DOSE: _____ gallons

LATITUDE AND LONGITUDE
at center of disposal area
Lat. **44** d **18** m **1.2** s **N**
Lon. **69** d **44** m **3.85** s **W**
if g.p.s, state margin of error: **GOOGLE**

SITE EVALUATOR STATEMENT

I certify that on **4-11-14** (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: *David Studer* SE # **275** Date: **5-11-14**
David Studer, LSE 275
93 Sprague Road
Washington, ME 04574
207-845-2352
irenic@midcoast.com
Telephone Number: **845-2352** E-mail Address: **irenic@midcoast.com**



D. Studer 275
5-11-14

SITE LOCATION

RAY BROCHU
415 EASTERN AVE
AUGUSTA

SHOSTAK

MAP II
LOT 125

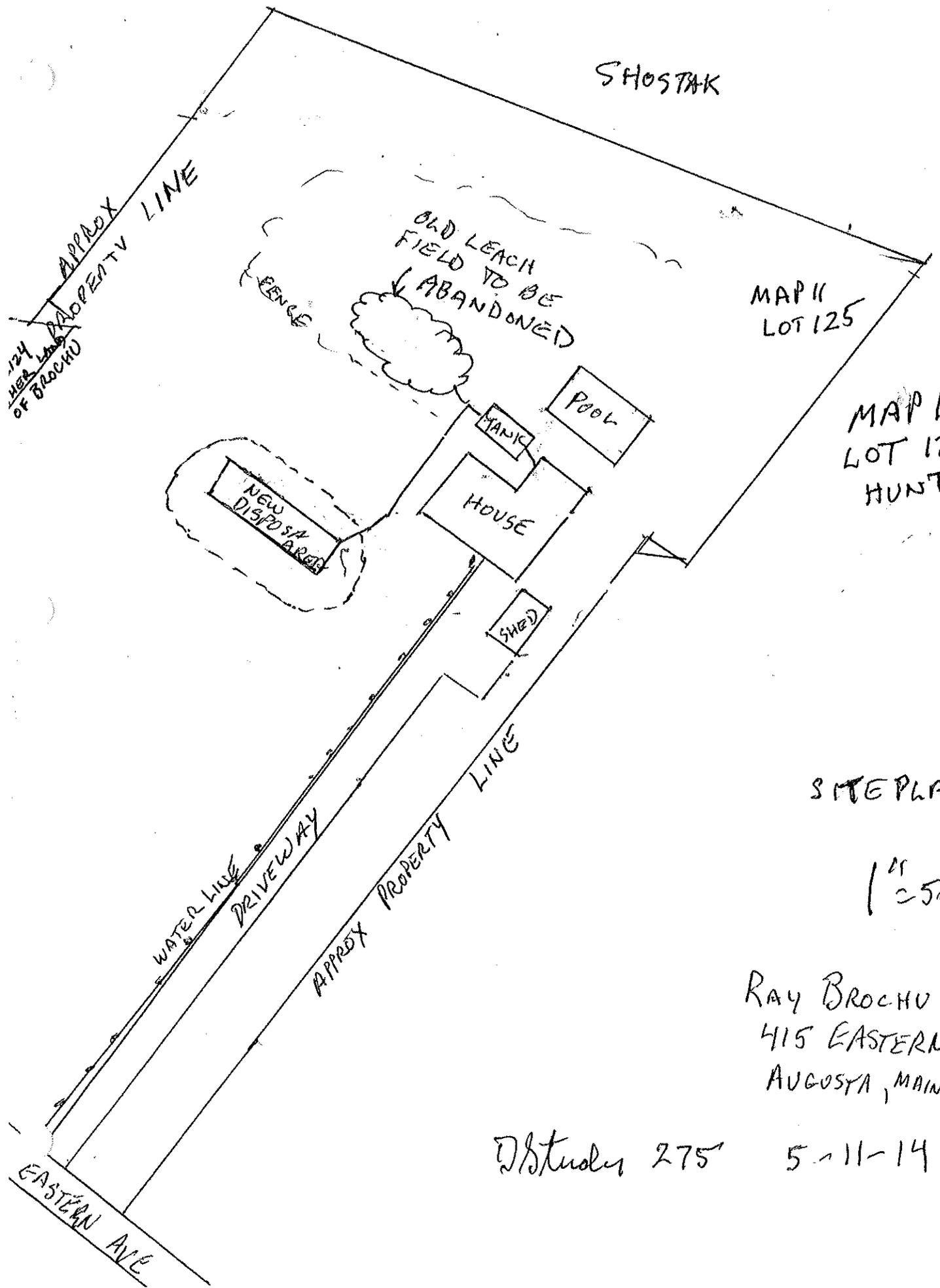
MAP II
LOT 128
HUNT

SITE PLAN

1" = 50'

RAY BROCHU
415 EASTERN AVE
AUGUSTA, MAINE

D. Studer 275 5-11-14



~~124~~
~~124~~
APPROX
PROPERTY LINE
of BROCHU

EASTERN AVE

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Health & Human Services
 Division of Environmental Health
 (207) 287-5672 Fax: (207) 287-3165

Town, City, Plantation

Street, Road, Subdivision

Owner's Name

AUGUSTA 415 EASTERN AVE

RAY BROCHU

SUBSURFACE WASTEWATER DISPOSAL PLAN

SCALE: 1" = 20 FT.

AD = 11'
 AB = 55'

LINE FROM TANK

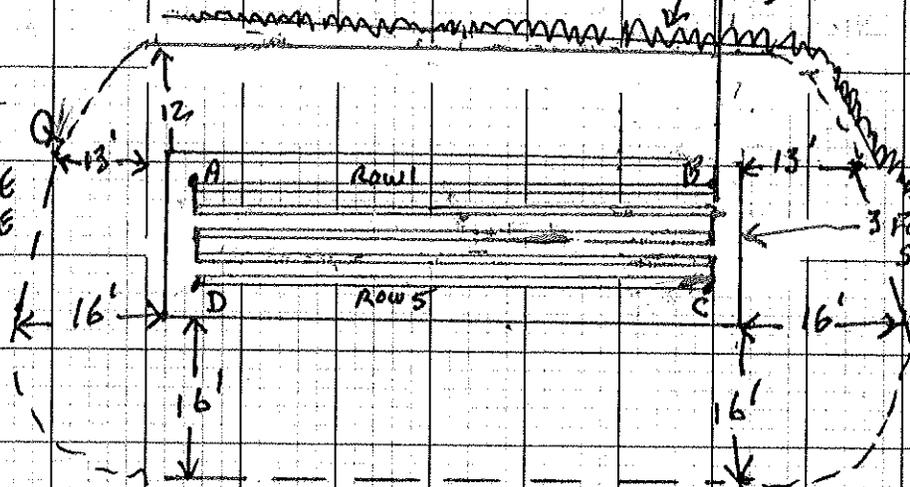
DRAINAGE SWALE

DT = FLAGGED SPRUCE

TA = 29.5
 TB = 81.0
 TC = 84.25
 TD = 37.5

ERP = E
 NAIL 34" ABOVE GRADE

EA = 68'
 BB = 13.75'
 EC = 20.5
 ED = 69.5



SERIAL DISTRIBUTION 5 ROWS 55' LONG
 18" BETWEEN ROWS

ORIGINAL ELEVATIONS
 A + B = -40"
 C + D = -64

FILL REQUIREMENTS

CONSTRUCTION ELEVATIONS

ELEVATION REFERENCE POINT

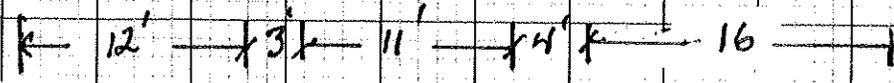
Depth of Fill (Upslope) 39" Finished Grade Elevation
 Depth of Fill (Downslope) 48" Top of Distribution Pipe or Proprietary Device
 Bottom of Disposal Area SEE BELOW

Location & Description: NAIL IN TREE 34" ABOVE GRADE
 Reference Elevation: 0"

DISPOSAL AREA CROSS SECTION

Scale

Horizontal 1" = 10 ft.
 Vertical 1" = 5 ft.



PIPE ELEVATIONS

Row	TOP	BOTTOM
1	-20"	-32"
2	-22"	-34"
3	-24"	-36"
4	-26"	-38"
5	-28"	-40"

3:1 SCOPE
 FILL IS MED COARSE SAND, 1" MINUS LESS THAN 5% FINES

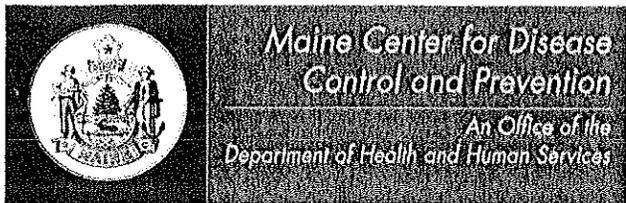
D. Studer
 Site Evaluator Signature

275
 SE #

5-11-14
 Date

Additional information about your system and HHE-200 Form

1. You should have your septic tank pumped out every 3 years to prolong the life of the system.
2. Water softners should drain to a separate graywater disposal system.
3. Your septic system must be installed on correct elevations and all joints, etc must be watertight. This applies to the pump tanks if your system requires pumping. Distribution boxes shall have "Equalizers" installed on the outlets., if more than one outlet port is used. If pumping, use at least an 8 port D-box.
4. Low volume toilets and water conservation measures are recommended, even if your design does not require them.
5. All construction shall conform to State of Maine Subsurface Waste Disposal Rules, Chapter 241.
6. Fill shall be loamy medium sharp sand with sufficient fines for compaction. See Rules for backfill specifications. Fill shall be placed in 8-10 lifts. The top 4 inches of cover shall be loam or sandy loam, to assure a good catch of grass.
7. All wells shall be at least 100 feet from leaching field unless a variance is granted or the well is cased to appropriate depth. See rules.
8. Property lines are as provided by the owner. No accuracy is implied. Actual lines must be confirmed by a survey.
9. Installation of tanks shall have a Zabel Model A-1800 or equal on outlet. Install a low profile tank when it is determined to be necessary by field conditions.
10. Force mains, pump stations, and/or gravity piping subject to freezing shall be adequately insulated.
11. Systems shall be provided with adequate erosion control until vegetated cover is established.
12. Remove all vegetation and organic material under the leach field and extensions--
Caution--Avoid compaction of original soil under the leaching field and extensions during construction.
13. The design flow should not be exceeded in any day. Do not install garbage grinders or disposals with this design.
14. The LPI shall inform the owner and designer of any local ordinances or requirements exceeding the rules, prior to issuing the permit, so that the application may be properly amended.
15. GeoFlow pipe and Enviro-Septic pipe are considered equal in the rules. Pipe should be installed according to mfg. Installation instructions.



Department of Health and Human Services
Maine Center for Disease Control and Prevention
286 Water Street
11 State House Station
Augusta, Maine 04333-0011
Tel: (207) 287-5672
Fax: (207) 287-4172; TTY: 1-800-606-0215

SUBSURFACE WASTEWATER DISPOSAL SYSTEM VARIANCE REQUEST

This form must accompany an application (HHE-200 Form) for any subsurface wastewater disposal system which requires a variance to provisions of the Subsurface Wastewater Disposal Rules. The Local Plumbing Inspector must not issue a permit for the installation of a subsurface wastewater disposal system requiring a variance from the Department of Health and Human Services until approval has been received from the Department.

GENERAL INFORMATION		Town of <u>AUGUSTA</u>
Property Owner's Name:	<u>RAY BROCHU</u>	Tel. No.: <u>207-512-8650-8200</u>
System's Location:	<u>415 EASTERN AVE</u>	
Property Owner's Address:	<u>6 ARROWHEAD DR #114 VASSALBORO, ME</u> Zip Code <u>04989</u>	
e-mail address:	_____	

The subsurface wastewater disposal system design for the subject property requires a replacement system variance first time system variance to the Subsurface Wastewater Disposal Rules. This variance requires local approval local and state approval.

SPECIFIC VARIANCE REQUESTED (To be filled in by Site Evaluator. Use additional sheets if needed.)	SECTION OF RULE
1. <u>FILL EXTENSION ON 3:1 SLOPE</u>	<u>8D1.c</u>
2. _____	_____
3. _____	_____

SITE EVALUATOR

When a property is found to be unsuitable for subsurface wastewater disposal by a licensed Site Evaluator, the Evaluator shall so inform the property owner. If the property owner, after exploring all other alternatives, wishes to request a variance to the Rules, and the Evaluator in his professional opinion feels the variance request is justified and the site limitations can be overcome, he shall document the soil and site conditions on the Application. The Evaluator shall list the specific variances necessary plus describe below the proposed system design and function. The Evaluator shall further describe how the specific site limitations are to be overcome, and provide any other support documentation as required prior to consideration by the Department. Attach a separate sheet if necessary.

I, DAVID STUDER, S.E., certify that a variance to the Rules is necessary since a system cannot be installed which will completely satisfy all the Rule requirements. In my judgment, the proposed system design on the attached Application is the best alternative available; enhances the potential of the site for subsurface wastewater disposal; and that the system should function properly.

D Studer SIGNATURE OF SITE EVALUATOR 5-11-14 DATE

PROPERTY OWNER

I, RAY BROCHU, am the owner agent for the owner of the subject property. I understand that the installation on the Application is not in total compliance with 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.

Raymond J Brochu SIGNATURE OF OWNER 5-14-14 DATE
 AGENT FOR THE OWNER

LOCAL PLUMBING INSPECTOR - Approval at local level

The local plumbing inspector shall review all variance requests prior to rendering a decision.

I, _____, the undersigned, have visited the above property and find that the variance request submitted by the applicant does not conform with certain provisions of the wastewater disposal rules. The variance request submitted by the applicant is the best alternative for a subsurface wastewater disposal system on this property. The proposed system (does does not) conflict with any provisions controlling subsurface wastewater disposal in the shoreland zone. Therefore, I (do do not) approve the requested variance. I (will will not) issue a permit for the system's installation as proposed by the application.

LPI Signature

Date

LOCAL PLUMBING INSPECTOR - Referral to the Department

The local plumbing inspector shall review all variance requests prior to forwarding to the Division of Environmental Health.

I, _____, the undersigned, have visited the above property and find that the variance request submitted by the applicant does not conform with certain provisions of the wastewater disposal rules. The variance request submitted by the applicant is the best alternative for a subsurface wastewater disposal system on this property. The proposed system (does does not) conflict with any provisions controlling subsurface wastewater disposal in the shoreland zone. Therefore, I (do do not) recommend the issuance of a permit for the system's installation as proposed by the application.

LPI Signature

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

Notes: 1. Variances for soil conditions may be approved at the local level as long as the total point assessment is at least the minimum allowed. (See Section 7.B.4 of the Subsurface Wastewater Disposal Rules for Municipal Review.)

2. Variances for other than soil conditions or soil conditions beyond the limit of the LPI's authority are to be submitted to the Department for review. (See Section 7.B.3 for Department Review.) The LPI's signature is required on these variance requests prior to sending them to the Department.

SOIL, SITE AND ENGINEERING FACTORS FOR FIRST TIME SYSTEM VARIANCE ASSESSMENT WITH LIMITING SOIL DRAINAGE CONDITIONS (SEE TABLES 7C THROUGH 7M).

	CHARACTERISTIC	POINT ASSESSMENT
Soil Profile		
Depth to Groundwater/Restrictive Layer		
Terrain		
Size of Property		
Waterbody Setback	NA	
Water Supply		
Type of Development		
Disposal Area Adjustment		
Vertical Separation Distance		
Additional Treatment		
TOTAL POINT ASSESSMENT:		

Minimum Points (Check One): Outside Shoreland Zone-50 Inside Shoreland Zone-65 Subdivision-65

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Dept. Health & Human Services
Div of Environmental Health, 11 SHS
(207) 287-6072 Fax: (207) 287-4172

PROPERTY LOCATION

City, Town, or Plantation: AUGUSTA

Street or Road: 415 EASTERN AVE

Subdivision, Lot #: 111-125

OWNER/APPLICANT INFORMATION

Name (last, first, MI): BROCHU RAYMOND Owner Applicant

Mailing Address of Owner/Applicant: 6 ARROWSHEAD DR # 114

Daytime Tel. #: 207-512-8200

>> CAUTION: LPI APPROVAL REQUIRED <<

AUGUSTA PERMIT #6910 TOWN COPY
Date Permit Issued: 4-22-14 \$ 250.00 fee
X 15.00 LPI # 150

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.

Raymond J Brochu 4-21-14
Signature of Owner or Applicant Date

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

Local Plumbing Inspector Signature (2nd) date approved

PERMIT INFORMATION

<p>TYPE OF APPLICATION</p> <p><input type="checkbox"/> 1. First Time System</p> <p><input checked="" type="checkbox"/> 2. Replacement System Type replaced: <u>PIPE + STONE</u> Year installed: <u>1970's</u></p> <p><input type="checkbox"/> 3. Expanded System <input type="checkbox"/> a. <25% Expansion <input type="checkbox"/> b. >25% Expansion</p> <p><input type="checkbox"/> 4. Experimental System</p> <p><input type="checkbox"/> 5. Seasonal Conversion</p>	<p>THIS APPLICATION REQUIRES</p> <p><input type="checkbox"/> 1. No Rule Variance</p> <p><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</p> <p><input checked="" type="checkbox"/> 3. Replacement System Variance <input checked="" type="checkbox"/> a. Local Plumbing Inspector Approval <input type="checkbox"/> b. State & Local Plumbing Inspector Approval</p> <p><input type="checkbox"/> 4. Minimum Lot Size Variance</p> <p><input type="checkbox"/> 5. Seasonal Conversion Permit</p>	<p>DISPOSAL SYSTEM COMPONENTS</p> <p><input checked="" type="checkbox"/> 1. Complete Non-engineered System</p> <p><input type="checkbox"/> 2. Primitive System (graywater & alt. toilet)</p> <p><input type="checkbox"/> 3. Alternative Toilet, specify: _____</p> <p><input type="checkbox"/> 4. Non-engineered Treatment Tank (only)</p> <p><input type="checkbox"/> 5. Holding Tank _____ gallons</p> <p><input type="checkbox"/> 6. Non-engineered Disposal Field (only)</p> <p><input type="checkbox"/> 7. Separated Laundry System</p> <p><input type="checkbox"/> 8. Complete Engineered System (2000 gpd or more)</p> <p><input type="checkbox"/> 9. Engineered Treatment Tank (only)</p> <p><input type="checkbox"/> 10. Engineered Disposal Field (only)</p> <p><input type="checkbox"/> 11. Pre-treatment, specify: _____</p> <p><input type="checkbox"/> 12. Miscellaneous Components</p>
<p>SIZE OF PROPERTY</p> <p><u>2 AC ±</u> <input type="checkbox"/> SQ. FT. <input type="checkbox"/> ACRES</p>	<p>DISPOSAL SYSTEM TO SERVE</p> <p><input checked="" type="checkbox"/> 1. Single Family Dwelling Unit, No. of Bedrooms: <u>3</u></p> <p><input type="checkbox"/> 2. Multiple Family Dwelling, No. of Units: _____</p> <p><input type="checkbox"/> 3. Other: _____ (specify)</p> <p>Current Use <input type="checkbox"/> Seasonal <input checked="" type="checkbox"/> Year Round <input type="checkbox"/> Undeveloped</p>	<p>TYPE OF WATER SUPPLY</p> <p><input type="checkbox"/> 1. Drilled Well <input type="checkbox"/> 2. Dug Well <input type="checkbox"/> 3. Private</p> <p><input checked="" type="checkbox"/> 4. Public <input type="checkbox"/> 5. Other</p>
<p>SHORELAND ZONING</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>		

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

<p>TREATMENT TANK</p> <p><input checked="" type="checkbox"/> 1. Concrete <u>EXISTING TANK TO BE REPLACED</u></p> <p><input type="checkbox"/> 2. Regular</p> <p><input type="checkbox"/> 3. Other: _____</p> <p>CAPACITY: <u>1000</u> GAL.</p>	<p>DISPOSAL FIELD TYPE & SIZE</p> <p><input type="checkbox"/> 1. Stone Bed <input type="checkbox"/> 2. Stone Trench</p> <p><input checked="" type="checkbox"/> 3. Proprietary Device <input type="checkbox"/> a. cluster array <input checked="" type="checkbox"/> c. Linear <input type="checkbox"/> b. regular load <input type="checkbox"/> d. H-20 load</p> <p><input type="checkbox"/> 4. Other: <u>ENVIRO-GAPTIC</u></p> <p>SIZE: <u>6070 S</u> sq. ft. <input type="checkbox"/> ln. ft.</p>	<p>GARBAGE DISPOSAL UNIT</p> <p><input type="checkbox"/> 1. No <input type="checkbox"/> 2. Yes <input type="checkbox"/> 3. Maybe</p> <p>If Yes or Maybe, specify one below:</p> <p><input type="checkbox"/> a. multi-compartment tank</p> <p><input type="checkbox"/> b. _____ tanks in series</p> <p><input type="checkbox"/> c. increase in tank capacity</p> <p><input type="checkbox"/> d. Filter on Tank Outlet</p>	<p>DESIGN FLOW</p> <p><u>270</u> gallons per day</p> <p>BASED ON:</p> <p><input checked="" type="checkbox"/> 1. Table 4A (dwelling unit(s))</p> <p><input type="checkbox"/> 2. Table 4C (other facilities)</p> <p>SHOW CALCULATIONS for other facilities</p> <p><u>3 flows of 9 1/2 IN DRAINS</u></p> <p>3. Section 4B (meter readings)</p> <p>ATTACH WATER METER DATA</p>
<p>SOIL DATA & DESIGN CLASS</p> <p>PROFILE CONDITION: <u>9.1 D</u></p> <p>a) Observation Hole # <u>TP-2</u></p> <p>Depth <u>9</u>"</p> <p>of Most Limiting Soil Factor</p>	<p>DISPOSAL FIELD SIZING</p> <p><input type="checkbox"/> 1. Medium---2.6 sq. ft. / gpd</p> <p><input type="checkbox"/> 2. Medium---Large 3.3 sq. ft. / gpd</p> <p><input type="checkbox"/> 3. Large---4.1 sq. ft. / gpd</p> <p><input checked="" type="checkbox"/> 4. Extra Large---5.0 sq. ft. / gpd</p>	<p>EFFLUENT/EJECTOR PUMP</p> <p><input checked="" type="checkbox"/> 1. Not Required</p> <p><input type="checkbox"/> 2. May Be Required</p> <p><input type="checkbox"/> 3. Required</p> <p>Specify only for engineered systems:</p> <p>DOSE: _____ gallons</p>	<p>LATITUDE AND LONGITUDE</p> <p>at center of disposal area</p> <p>Lat. <u>44</u> d <u>18</u> m <u>4.2</u> s N</p> <p>Lon. <u>69</u> d <u>41</u> m <u>3.85</u> s W</p> <p>if g.p.s, state margin of error: <u>GOOGLE</u></p>

SITE EVALUATOR STATEMENT

I certify that on 4-11-14 (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).

D. Studer 275 SE # 4-11-14 Date

David Studer, LSE 275
93 Sprague Road
Washington, ME 04574
207-845-2352
irenic@midcoast.com

845-2352 Telephone Number irenic@midcoast.com E-mail Address

It to be confirmed with the Site Evaluator.

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
 Division of Health Engineering
 (207) 287-5672 Fax: (207) 287-3165

Town, City, Plantation

Street, Road, Subdivision

Owner's Name

AUGUSTA

415 EASTERN AVE

RAY BROCHU

SITE PLAN

Scale 1" = _____ ft. or as shown

SITE LOCATION PLAN
 (map from Maine Atlas
 recommended)

SEE ATTACHED

SEE ATTACHED

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

Observation Hole TP-1+2 Test Pit Boring
 " 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	LOAM	FRIABLE	DK BN	NONE
10	SILT LOAM	FIRM	GRAY	COMPLETE
20				
30				
40				
50				

Depth Below Mineral Soil Surface (inches)	Texture	Consistency	Color	Mottling
0				
10				
20				
30				
40				
50				

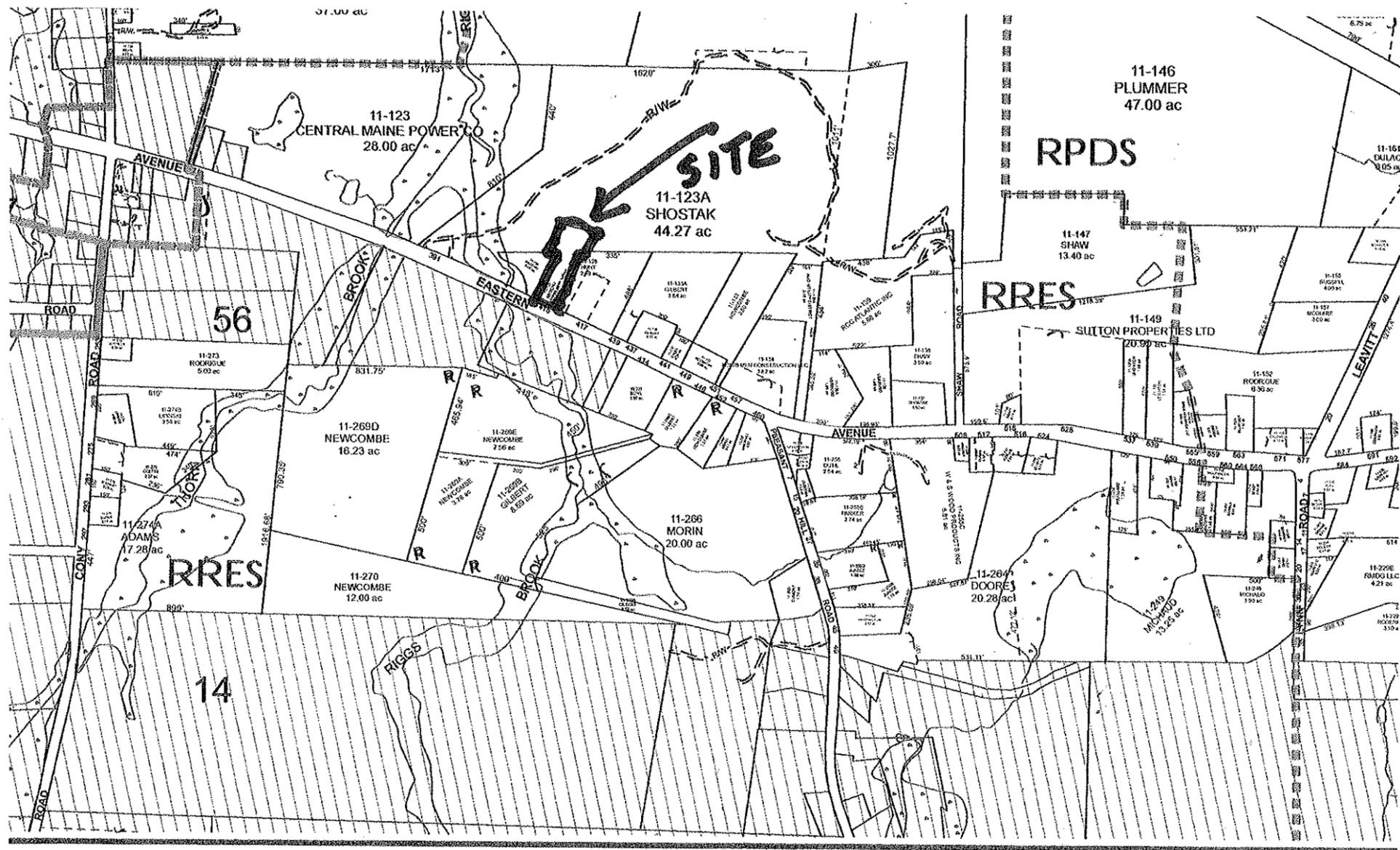
Soil Classification 9 D Profile Condition	Slope 14%	Limiting Factor 9"	<input type="checkbox"/> Ground Water <input checked="" type="checkbox"/> Restrictive Layer <input type="checkbox"/> Bedrock <input type="checkbox"/> Pit Depth
--	---------------------	------------------------------	--

Soil Classification 9 D Profile Condition	Slope 14%	Limiting Factor 9"	<input type="checkbox"/> Ground Water <input checked="" type="checkbox"/> Restrictive Layer <input type="checkbox"/> Bedrock <input type="checkbox"/> Pit Depth
--	---------------------	------------------------------	--

D. J. Anderson
 Site Evaluator Signature

275
 SE #

4-11-14
 Date



D. Studer 275
4-11-14

SITE LOCATION

RAY BROCHO
415 EASTERN AVE
AUGUSTA

TOWN, CITY PLANTATION
AUGUSTA

STREET, ROAD, SUBDIVISION
415 EASTERN AVE

OWNERS NAME
RAY BROCHU

SCALE:
VERT: 1"=5'
HORIZ: 1"=5'

NOTES:

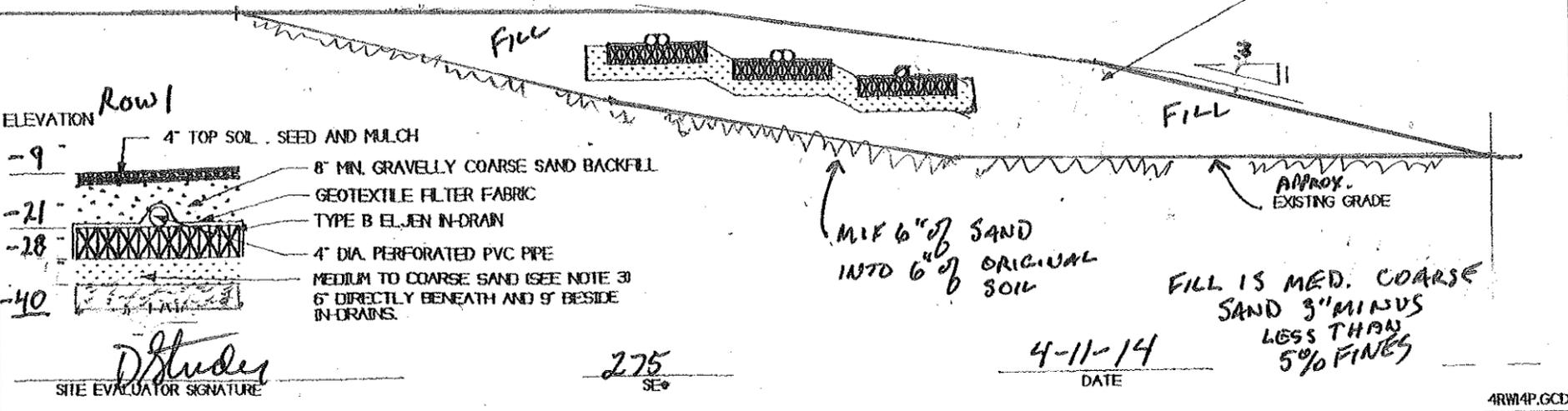
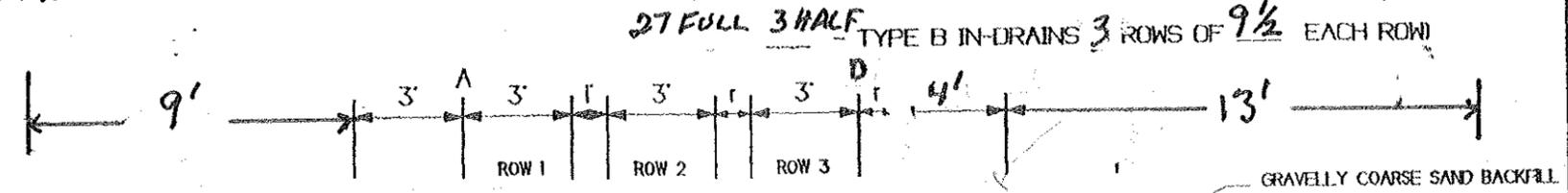
1. FILL REQUIREMENTS VARY GREATLY BECAUSE OF BED LOCATION. CONTRACTOR SHALL FIELD CHECK ALL SLOPES BEFORE DETERMINING ACTUAL FILL REQUIREMENTS.
2. NOTES ON PAGE OF ARE HEREBY MADE PART OF THIS HFE-2000 FORM.
3. THE FIRST 6" DIRECTLY BENEATH THE IN-DRAINS SHALL BE MEDIUM TO COARSE TEXTURED SAND, WITH AN EFFECTIVE SIZE OF 0.25 TO 2.0 MM, NO GREATER THAN 5% PASSING A #200 SIEVE, AND NO PARTICLES LARGER THAN 3/4 INCH. OR MATERIALS MEETING THE ASTM C-33 SPECIFICATION. CONCRETE OR WASHED SAND IS A RELIABLE CHOICE. SUITABILITY OF BANK RUN SAND OR SITE DISPOSAL AREA SOIL MUST BE VERIFIED.
4. ROTO-TILL ORIGINAL SURFACE THOROUGHLY IN ALL AREAS OF THE SYSTEM INCLUDING FILL EXTENSIONS BEFORE PLACING FILL. REMOVE ALL ORGANIC LAYER IN AREA OF SYSTEM.
5. ROWS SHOULD BE LEVEL WITH A TOLERANCE OF 1/100 FT.
6. SECTION SHOWN IS BASED ON AN AVERAGE EXISTING GROUND SLOPE OF 10-14%

FILL REQUIREMENTS AT SECTION:
 DEPTH OF FILL (UPSLOPE) 30"
 DEPTH OF FILL (DOWNSLOPE) 40"

CONSTRUCTION ELEVATIONS:

E.R.P. REFERENCE ELEVATION IS 0'

ROW	1	2	3
FINISH GRADE	-9	-15	-22
TOP OF IN DRAIN	-21	-27	-34
BOTTOM OF IN-DRAINS	-28	-34	-41



4RW14P.GCD

Additional information about your system and HHE-200 Form

1. You should have your septic tank pumped out every 3 years to prolong the life of the system.
2. Water softeners should drain to a separate graywater disposal system.
3. Your septic system must be installed on correct elevations and all joints, etc. must be water tight. This applies to the pump tanks if your system requires pumping.
4. Distribution boxes shall have "Equalizers" installed on the outlets if using more than one outlet port. If pumping use, an 8 or 9 port D-box. Also if pumping, it is recommended to feed the D-Box from the bottom.
5. Low volume toilets and water conservation measures are recommended, even if your design does not require them.
6. All construction shall conform to State of Maine Subsurface Waste Disposal Rules, Chapter 241.
7. Fill shall be loamy medium sharp sand with sufficient fines for compaction. See Rules for backfill specifications. Fill shall be placed in 8-10 lifts. The top 4 inches of cover shall be loam or sandy loam, to assure a good catch of grass.
8. All wells shall be at least 100 feet from leaching field unless a variance is granted or the well is cased to appropriate depth. See rules.
9. Property lines are as provided by the owner. No accuracy is implied. Actual lines must be confirmed by a survey.
10. Installation of tanks shall have a Zabel Model A-1800 or equal on outlet. Install a low profile tank when it is determined to be necessary by field conditions.
11. Force mains, pump stations, and/or gravity piping subject to freezing shall be adequately insulated.
12. Systems shall be provided with adequate erosion control until vegetated cover is established.
13. Remove all vegetation and organic material under the leach field and extensions--
Caution--Avoid compaction of original soil under the leaching field and extensions during construction.
14. The design flow should not be exceeded in any day. Do not install garbage grinders or disposals with this design.
15. The LPI shall inform the owner and designer of any local ordinances or requirements exceeding the rules, prior to issuing the permit, so that the application may be properly amended.
16. Risers to be installed (according to Rules) on tank covers to grade over filter cover & pump station cover, and 6 inches of grade otherwise.
17. Eljen Indrains (GSF units) are to be installed according Mfg. Installation instructions and specifications. Installation and technical assistance are available from the distributor, Construction Consultants, Inc, 483 Roosevelt Trail, Windom, ME 04062 207- 894-7141 or www.indrain.com.



SUBSURFACE WASTEWATER DISPOSAL SYSTEM VARIANCE REQUEST

This form must accompany an application (HHE-200 Form) for any subsurface wastewater disposal system which requires a variance to provisions of the Subsurface Wastewater Disposal Rules. The Local Plumbing Inspector must not issue a permit for the installation of a subsurface wastewater disposal system requiring a variance from the Department of Health and Human Services until approval has been received from the Department.

GENERAL INFORMATION		Town of <u>AUGUSTA</u>
Property Owner's Name:	<u>RAY BROCHU</u>	Tel. No.: <u>207-512-8650</u>
System's Location:	<u>415 EASTERN AVE</u>	
Property Owner's Address:	<u>6 ARROWHEAD DR #114 VASSALBORO, ME</u> Zip Code <u>04989</u>	
e-mail address:	_____	

The subsurface wastewater disposal system design for the subject property requires a replacement system variance first time system variance to the Subsurface Wastewater Disposal Rules. This variance requires local approval local and state approval.

SPECIFIC VARIANCE REQUESTED (To be filled in by Site Evaluator. Use additional sheets if needed.)	SECTION OF RULE
1. <u>FILL EXTENSION ON 3:1 SLOPE</u>	<u>8D L.C</u>
2. _____	_____
3. _____	_____

SITE EVALUATOR

When a property is found to be unsuitable for subsurface wastewater disposal by a licensed Site Evaluator, the Evaluator shall so inform the property owner. If the property owner, after exploring all other alternatives, wishes to request a variance to the Rules, and the Evaluator in his professional opinion feels the variance request is justified and the site limitations can be overcome, he shall document the soil and site conditions on the Application. The Evaluator shall list the specific variances necessary plus describe below the proposed system design and function. The Evaluator shall further describe how the specific site limitations are to be overcome, and provide any other support documentation as required prior to consideration by the Department. Attach a separate sheet if necessary.

I, DAVID STUDER, S.E., certify that a variance to the Rules is necessary since a system cannot be installed which will completely satisfy all the Rule requirements. In my judgment, the proposed system design on the attached Application is the best alternative available; enhances the potential of the site for subsurface wastewater disposal; and that the system should function properly.

David Studer SIGNATURE OF SITE EVALUATOR 4-11-14 DATE

PROPERTY OWNER

I, RAY BROCHU, am the owner agent for the owner of the subject property. I understand that the installation on the Application is not in total compliance with 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.

Raymond J. Brochu SIGNATURE OF OWNER
 AGENT FOR THE OWNER

4-21-14 DATE

LOCAL PLUMBING INSPECTOR - Approval at local level

The local plumbing inspector shall review all variance requests prior to rendering a decision.

I, Gary R. Fritter, the undersigned, have visited the above property and find that the variance request submitted by the applicant does not conform with certain provisions of the wastewater disposal rules. The variance request submitted by the applicant is the best alternative for a subsurface wastewater disposal system on this property. The proposed system (does does not) conflict with any provisions controlling subsurface wastewater disposal in the shoreland zone. Therefore, I (do do not) approve the requested variance. I (will will not) issue a permit for the system's installation as proposed by the application.

LPI Signature

Date

3/5/12

LOCAL PLUMBING INSPECTOR - Referral to the Department

The local plumbing inspector shall review all variance requests prior to forwarding to the Division of Environmental Health.

I, _____, the undersigned, have visited the above property and find that the variance request submitted by the applicant does not conform with certain provisions of the wastewater disposal rules. The variance request submitted by the applicant is the best alternative for a subsurface wastewater disposal system on this property. The proposed system (does does not) conflict with any provisions controlling subsurface wastewater disposal in the shoreland zone. Therefore, I (do do not) recommend the issuance of a permit for the system's installation as proposed by the application.

LPI Signature

Date

NA

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

NA

Notes: 1. Variances for soil conditions may be approved at the local level as long as the total point assessment is at least the minimum allowed. (See Section 7.B.4 of the Subsurface Wastewater Disposal Rules for Municipal Review.)

2. Variances for other than soil conditions or soil conditions beyond the limit of the LPI's authority are to be submitted to the Department for review. (See Section 7.B.3 for Department Review.) The LPI's signature is required on these variance requests prior to sending them to the Department.

SOIL, SITE AND ENGINEERING FACTORS FOR FIRST TIME SYSTEM VARIANCE ASSESSMENT WITH LIMITING SOIL DRAINAGE CONDITIONS (SEE TABLES 7C THROUGH 7M).

	CHARACTERISTIC	POINT ASSESSMENT
Soil Profile		
Depth to Groundwater/Restrictive Layer		
Terrain		
Size of Property		
Waterbody Setback		
Water Supply		
Type of Development		
Disposal Area Adjustment		
Vertical Separation Distance		
Additional Treatment		
TOTAL POINT ASSESSMENT:		

NA

Minimum Points (Check One): Outside Shoreland Zone-50 Inside Shoreland Zone-65 Subdivision-65