

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Depart. Health & Human Services
Div of Environmental Health, 11 SHS
(207) 287-5672 FAX (207) 287-3165

PROPERTY LOCATION

>> **Caution: LPI APPROVAL REQUIRED** <<

City, Town, or Plantation: **Augusta**
Street or Road: **119 Buck & Doe Trail**
Subdivision, Lot #: **104A/L 14**

OWNER/APPLICANT INFORMATION

Name (last, first, MI): **Dubois, Randy** Owner
Corcoran Dubois, Diana Applicant
Mailing Address of Owner/Applicant: **221 Hampstead Way
Marshfield, MA 02050**
Daytime Tel. #: **617-413-9199**

AUGUSTA PERMIT #6946

Date Permit Issued: **5/16/14**

[Signature]

TOWN COPY
\$ **150.00** fee
15.00
LPI # **880**

Owner/Applicant Statement

I state and acknowledge that the information submitted is correct to the best of my knowledge, that I have read and agree with the conditions on the back of this form, and understand that any falsification is reason for the Department and/or Local Plumbing Inspector to deny a Permit.

[Signature] **6-10-14**
Signature of Owner/Applicant Date

..... I have read and agree with the conditions on the back of this form and found it to be in compliance with the Subsurface Wastewater Disposal Rules and local ordinances.

Local Plumbing Inspector Signature **(1st)** Date Approved
(2nd) Date Approved

PERMIT INFORMATION

TYPE OF APPLICATION	THIS APPLICATION REQUIRES	DISPOSAL SYSTEM COMPONENT(S)		
1. <input type="checkbox"/> First Time System 2. <input type="checkbox"/> Replacement System Type Replaced: _____ Year Installed: _____ 3. <input checked="" type="checkbox"/> Expanded System a. <input checked="" type="checkbox"/> Minor Expansion b. <input type="checkbox"/> Major Expansion 4. <input type="checkbox"/> Experimental System 5. <input type="checkbox"/> Seasonal Conversion	1. <input type="checkbox"/> No Rule Variance 2. <input type="checkbox"/> First Time System Variance a. <input type="checkbox"/> Local Plumbing Inspector Approval b. <input type="checkbox"/> State & Local Plumbing Inspector Approval 3. Replacement System Variance a. <input checked="" type="checkbox"/> Local Plumbing Inspector approval b. <input type="checkbox"/> State & Local Plumbing Inspector approval 5. <input type="checkbox"/> Minimum Lot Size Variance 6. <input type="checkbox"/> Seasonal Conversion Variance	1. <input checked="" type="checkbox"/> Complete non-Engineered System 2. <input type="checkbox"/> Primitive System (graywater & alt toilet) 3. <input type="checkbox"/> Alternative Toilet, specify: _____ 4. <input type="checkbox"/> Non-engineered Disposal Area 5. <input type="checkbox"/> Holding Tank _____ gallons 6. <input checked="" type="checkbox"/> Non-engineered Disposal Field (only) 7. <input type="checkbox"/> Separated Laundry System 8. <input type="checkbox"/> Complete Engineered System (+2000 gpd) 9. <input type="checkbox"/> Engineered Treatment Tank (only) 10. <input type="checkbox"/> Engineered Disposal Field (only) 11. <input checked="" type="checkbox"/> Pre-treatment, specify: <u>outlet filter on tank</u> 12. <input type="checkbox"/> Miscellaneous components		
SIZE OF PROPERTY	DISPOSAL SYSTEM TO SERVE:	TYPE OF WATER SUPPLY		
_____ sq. ft. <input type="checkbox"/> _____ acres <input checked="" type="checkbox"/>	1. <input checked="" type="checkbox"/> Single Family Dwelling Unit, No. of Bedrooms: 4 2. <input type="checkbox"/> Multiple Family Dwelling, No. of Units: _____ 3. <input type="checkbox"/> Other: _____ Specify Current Use <input type="checkbox"/> Seasonal <input type="checkbox"/> Year Round <input checked="" type="checkbox"/> Undeveloped	<input type="checkbox"/> Proposed 1. <input checked="" type="checkbox"/> Drilled Well 2. <input type="checkbox"/> Dug Well 3. <input type="checkbox"/> Private 4. <input type="checkbox"/> Public 5. <input type="checkbox"/> Other: _____		
SHORELAND ZONING	DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON CROSS-SECTIONAL VIEW)			
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	TREATMENT TANK <input checked="" type="checkbox"/> existing 1. <input checked="" type="checkbox"/> Concrete <input checked="" type="checkbox"/> Regular <input type="checkbox"/> Low Profile 2. <input type="checkbox"/> Plastic 3. <input type="checkbox"/> Other: _____ CAPACITY: 1,000 Gallons	DISPOSAL AREA TYPE/SIZE 1. <input type="checkbox"/> Stone Bed 2. <input type="checkbox"/> Stone Trench 3. <input checked="" type="checkbox"/> Proprietary Device <input type="checkbox"/> Cluster array <input checked="" type="checkbox"/> Linear <input checked="" type="checkbox"/> Regular load <input type="checkbox"/> H-20 load 4. <input type="checkbox"/> Other: _____ SIZE: 1188 <input checked="" type="checkbox"/> sq. ft. <input type="checkbox"/> lin. ft.	GARBAGE DISPOSAL UNIT 1. <input checked="" type="checkbox"/> No 2. <input type="checkbox"/> Yes 3. <input type="checkbox"/> Maybe If Yes or Maybe, specify one below: <input type="checkbox"/> Multi-compartment tank <input type="checkbox"/> _____ Tanks in series <input type="checkbox"/> Increase in tank capacity <input type="checkbox"/> Filter on tank outlet	DESIGN FLOW 270 gallons per day BASED ON: <input checked="" type="checkbox"/> 1. Table 4A (dwelling unit(s)) <input type="checkbox"/> 2. Table 4C (other facilities) SHOW CALCULATIONS for other facilities 3. <input type="checkbox"/> Section 4G (meter readings)
SOIL DATA & DESIGN CLASS	DISPOSAL FIELD SIZING	EFFLUENT/EJECTOR PUMP		
PROFILE 3 / CONDITION C at Observation Hole # TP 1 Depth: 17" OF MOST LIMITING SOIL FACTOR	1. <input type="checkbox"/> Medium 2.6 sq. ft./gpd. 2. <input checked="" type="checkbox"/> Medium Large 3.3 sq. ft./gpd 3. <input type="checkbox"/> Large 4.1 sq. ft./gpd. 4. <input type="checkbox"/> Extra-Large 5.0 sq. ft./gpd.	1. <input type="checkbox"/> Not required 2. <input type="checkbox"/> May be required 3. <input checked="" type="checkbox"/> Required >> Specify only for engineered systems Dose _____ Gallons		

SITE EVALUATOR COMMENTS

System-Add 4 high capacity infiltrators to existing 2 rows for an additional bedroom. Used soil data from previous HHE 200 Form, dated August 3, 1989

SITE EVALUATOR STATEMENT

I Certify that on May 15, 2014 (date) I completed a site evaluation on this project and state that the data reported is accurate and that the proposed system is in compliance with the State of Maine Subsurface Wastewater Disposal Rules (10-144A CMR 241) as interpreted by me.

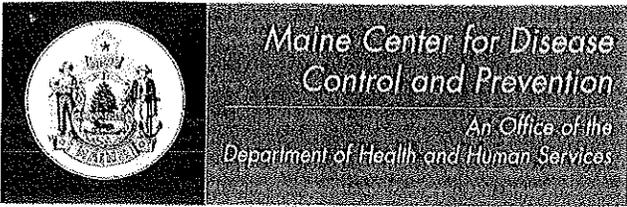
Kane P. Coffin
Kane P. Coffin, an agent of E.S. Coffin Engineering & Surveying, Inc.
E.S. Coffin Engineering & Surveying, Inc.
432 Cony Road P.O. Box 4687

SE #331
Licensed Site Evaluator
(207) 623-9475 or 1-800-244-9475
Augusta, Maine 04330-1687

June 9, 2014
Date
kcoffin@coffineng.com

ATTACHMENT FOR HHE-200 FORM

1. The OWNER/APPLICANT, by signing the front of this form, agrees to provide payment for services rendered as quoted and billed by COFFIN ENGINEERING & SURVEYING (CE&S). Payment on all billings are due within 30 days of billing date, otherwise a late charge of 1.5% per month (18% per year), simple interest, will be added to the total amount. In the event that any portion, or all of the final billing, remains unpaid for a period of 60 days, the OWNER/APPLICANT shall pay all costs of collection, including actual attorney's fees, court costs, CE&S's cost to collect bill. PLEASE NOTE THAT THE PERSON SIGNING THIS FORM UNDER OWNER/APPLICANT IS RESPONSIBLE FOR PAYMENT OF SERVICES AND SHOULD CONTACT CE&S IF HE/SHE HAS NOT RECEIVED A BILL.
2. All construction shall conform with Title 22 MRSA, §42, 10-144A CMR 241 "Maine-Subsurface Waste Water Disposal Rules," and all other pertinent sections. The OWNER/APPLICANT is responsible for the contractor installing the proposed septic system correctly and for obtaining all necessary permits. The OWNER/APPLICANT shall carefully examine all documents submitted by CE&S and promptly notify CE&S upon becoming aware of any defects. The OWNER/APPLICANT agrees to limit the liability of the site evaluator and/or CE&S to the amount of the total fee paid to CE&S and to a limit of five years from the date of this form. Visits to the site will be for information purposes only. CE&S will not be responsible for any site inspection duties.
3. This disposal system form shall not be transferable and becomes invalid if the authorized work has not commenced within two years after the issue date of the disposal system.
4. The OWNER/APPLICANT shall accurately describe the intended uses (present and future) for the system to the site evaluator. By signing the front of this form, the OWNER/APPLICANT agrees that the uses shown on said form is what was described to the site evaluator. Any change from the intended use described on this form requires a new design. Applicability of design must be reevaluated when location of structures are substantially different from those shown on the site plan or when other structures, additions, or appurtenances (i.e. swimming pools, garbage disposals) are considered.
5. The LPI shall inform the owner and designer of any local ordinance exceeding the Rules (Chapter 241) prior to issuing a permit, so that the application may be properly amended to conform to such ordinances.
6. The most recent revision of the Maine State Plumbing Code is hereby made a part of this HHE-200 Form and shall be consulted by the disposal system installer for further construction details, material specifications, cautions, and other related details pertinent to the installation of this disposal system.
7. This HHE-200 form is intended to represent facts pertinent to the Plumbing Code only. The owner/applicant must check local, state, and federal regulations before considering this an approvable site. All information shown on this form relating to property lines, structures, and subsurface structures (such as, but not limited to water lines, septic tanks, cess pools, cellar drains, utility lines, wells, leach fields, etc.) are noted, shown, or left off as not affecting the system based on information provided by the owner/applicant or his agent. The OWNER/APPLICANT acknowledges and understands that CE&S's submissions may represent imperfect data and may contain errors, omissions, conflicts, inconsistencies, code violations, and improper use of materials. Such deficiencies will be corrected when identified. The OWNER/APPLICANT agrees to carefully study and compare the submissions and report at once in writing to CE&S any deficiencies discovered. The OWNER/APPLICANT further agrees to require each contractor and/or subcontractor to likewise study the submissions and report at once any deficiencies discovered. It is the responsibility of the owner/applicant or his agent to confirm, BEFORE CONSTRUCTION BEGINS, the above and/or any other features which may affect (or be adversely affected by) the installation of this system.
8. When a gravity system is proposed, BEFORE CONSTRUCTION BEGINS, the disposal system installer and building contractor shall review the relative elevation of all points given in the this HHE-200 Form and the elevation of the existing or proposed building drain and septic tank openings for compatibility to the minimum code pitch requirements. Any questions that arise should be directed to the local plumbing inspector or designer. When a pump system is installed, provisions shall be made to keep the tank and lift station outlets above the high water table.
9. The Septic System Owner's Manual written by the designer is made a part of this HHE-200 Form and shall be consulted by the owner/applicant and disposal system installer for other facts pertinent to the installation and operation of this disposal system.
10. The OWNER/APPLICANT bears the responsibility to show the location of property lines, subsurface structures (such as, but not limited to water lines, septic tanks, cess pools, cellar drains, utility lines), and wells to the Site Evaluator. Actual property lines must be confirmed by a boundary survey. By signing the front of this form, the OWNER/APPLICANT agrees that the property lines and wells on the accompanying plan(s) are shown correctly and any discrepancy found in the future is the responsibility of the OWNER/APPLICANT.
11. The actual water flow or number of bedrooms shall not exceed the design criteria indicated on this HHE-200 Form without a re-evaluation of the system.
12. CE&S is not responsible for the actions of others, who affect the ultimate cost of the PROJECT; by vandalism, marker removal, changes in scope of work, approval agencies, redesign of septic system, etc. (OWNER/APPLICANT to be notified of any cost increase).
13. The laws of Maine will apply concerning the interpretation and performance of this AGREEMENT. If an item in this AGREEMENT is found to be in violation of any prevailing laws, it will not void the entire AGREEMENT. This AGREEMENT is superior and over-rides any Standard Subcontract Agreement signed by the parties involved in this AGREEMENT for this PROJECT when referenced in said Standard Subcontract Agreement.
14. CE&S is responsible for the actions of its' employees only. Insurance is provided for: vehicles, general liability, errors and omissions, and workman's comp. All other entities on the site are responsible for their own safety, work product, actions, conduct, etc.
15. CE&S is not responsible for any actual, alleged, or threatened, pollutant damage in regard to the services performed. Pollutants are defined as any environmentally threatening contaminants commonly regulated in this state.
16. In the event that the OWNER/APPLICANT hires subcontractors, workers, orders material, etc., and governs, directly or indirectly, the overall operation on the work site; then the OWNER/APPLICANT is deemed to be acting as his own general contractor, having the greater responsibility for the work site.
17. Other than the procedure of collections described above in (1), should the parties of this AGREEMENT have differences involving either the work site, or the PROJECT, that cannot be resolved between them; then the procedures of Alternate Dispute Resolution will be the only method of resolving those differences.



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>Randy Dubois & Diann Corcoran</u>	Tel. No.: <u>617-413-9199</u>	
System's Location: <u>119 Buck & Doe Trail, Augusta, ME</u>		
Property Owner's Address: <u>Randy Dubois, 221 Hampstead Way, Marshfield, MA</u>	Zip Code <u>02050</u>	
e-mail address: <u>rdubois@marshfield.us</u>		

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 slope of 3:1</u>	<u>Section 8-D-c</u>
2. <u>Well setback from 97' to 87-1/2' to leach field expansion from neighbors well and 90' to well on site</u>	<u>Table 8A</u>
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.

The variance request is being submitted because the only way for the minor expansion to work is to add 2 infiltrators to each row which results in a slight increase towards the neighbor's well.

I, Kane P. Coffin, 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.

Kane P. Coffin

SIGNATURE OF SITE EVALUATOR

June 9, 2014
DATE

PROPERTY OWNER

I, James Ready Dubois, 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.

James Ready Dubois

 SIGNATURE OF OWNER
 AGENT FOR THE OWNER

6/10/14
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. Fulk, 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.

Gary R. Fulk
LPI Signature

6/18/14
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.)

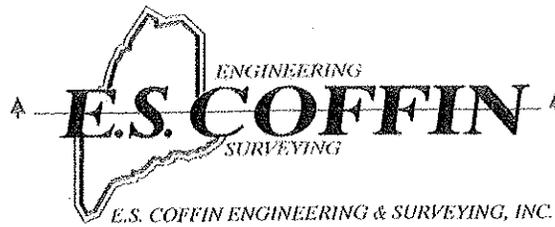
2. Variances for other than soil conditions or soil conditions beyond the limit of the LPI's authority are to be submitted to the Department for review. (See Section 7.B.3 for Department Review.) The LPI's signature is required on these variance requests prior to sending them to the Department.

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		
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

432 Cony Road
P.O. Box 4687
Augusta, ME 04330



(207) 623-9475
Fax (207) 623-0016
1-800-244-9475

June 9, 2014

Project No. 2012-97

HHE-200 FORM COVER LETTER

For the Randy Dubois's septic design, dated June 9, 2014

Existing

The property is currently owned by Randy Dubois and Diann Corcoran at 119 Buck & Doe Trail in Augusta, Maine. There is a three bedroom dwelling with an approved septic system (HHE-200 Form), dated August 3, 1989, by William W. Rideout. A copy is attached to this HHE-200 Form. The soil classification is Profile 3 and Condition C with a limiting factor of 17-inches to ground water.

There are two rows of 10 high capacity infiltrators in each row for a total of 20 high capacity infiltrators.

Proposed septic system

The owners propose an additional bedroom for a total of 4 bedrooms. The current Subsurface Wastewater Disposal System Code only requires 24 high capacity infiltrators for 4 bedrooms on Profile 3 soil.

Two high capacity infiltrators will be added to the end of each row at the same elevation of the existing rows. The original Elevation Reference Pont has been recovered and shown on the site plan.

The soil description and classification was determined from the original HHE-200 Form, dated August 3, 1989, because the original leach field area has been disturbed and is covered with sandy fill.

Sincerely,

Kane P. Coffin

SURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

PROPERTY ADDRESS
 Town Or Plantation: Augusta
 Street: Buck and Doe Trail
 Subdivision Lot #: _____
PROPERTY OWNER'S NAME
 Last: Nasta First: William
 Applicant Name: William Nasta
 Mailing Address of Owner/Applicant (if Different): 24 Veranda Avenue, Wilmington MA 01887

This permit is a conditional permit for 1224 12-2-87 which was amended 1/11/88

CAUTION: PERMIT REQUIRED
 The Subsurface Wastewater Disposal System shall not be installed until a Permit is attached here 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.

[Signatures]

OWNER/APPLICANT STATEMENT
 I certify that the information submitted is correct to the best of my knowledge and understand that any falsification is reason for the Local Plumbing Inspector to deny a Permit.

Signature of Owner/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.

Local Plumbing Inspector Signature _____ Date Approved _____

PERMIT INFORMATION

THIS APPLICATION IS FOR:
 1. NEW SYSTEM
 2. REPLACEMENT SYSTEM
 3. EXPANDED SYSTEM
 4. EXPERIMENTAL SYSTEM

SEASONAL CONVERSION
 to be completed by the LPI
 5. SYSTEM COMPLIES WITH RULES
 6. CONNECTED TO SANITARY SEWER
 7. SYSTEM INSTALLED - P# _____
 8. SYSTEM DESIGN RECORDED AND ATTACHED

THIS APPLICATION REQUIRES:
 1. NO RULE VARIANCE
 2. NEW SYSTEM VARIANCE
 Attach New System Variance Form
 3. REPLACEMENT SYSTEM VARIANCE
 Attach Replacement System Variance Form
 a. Requires Local Plumbing Inspector Approval
 b. Requires State and Local Plumbing Inspector Approval
 4. MINIMUM LOT SIZE VARIANCE

INSTALLATION IS:
 COMPLETE SYSTEM
 1. NON-ENGINEERED SYSTEM
 2. PRIMITIVE SYSTEM
 (Includes Alternative Toilet)
 3. ENGINEERED (+ 2000 gpd)
 INDIVIDUALLY INSTALLED COMPONENTS
 4. TREATMENT TANK (ONLY)
 5. HOLDING TANK _____ GAL.
 6. ALTERNATIVE TOILET (ONLY)
 7. NON-ENGINEERED DISPOSAL AREA (ONLY)
 8. ENGINEERED DISPOSAL AREA (ONLY)
 9. SEPARATED LAUNDRY SYSTEM

IF REPLACEMENT SYSTEM:
 YEAR FAILING SYSTEM INSTALLED _____
 THE FAILING SYSTEM IS
 1. BED 3. TRENCH
 2. CHAMBER 4. OTHER _____

DISPOSAL SYSTEM TO SERVE:
 1. SINGLE FAMILY DWELLING
 2. MODULAR OR MOBILE HOME
 3. MULTIPLE FAMILY DWELLING
 4. OTHER _____ SPECIFY _____

TYPE OF WATER SUPPLY
 Drilled well

SIZE OF PROPERTY: 30,000'+- ZONING: Residential

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

TREATMENT TANK
 1. SEPTIC: Regular Low Profile
 2. AEROBIC
 SIZE: 1000 GALS.

WATER CONSERVATION
 1. NONE
 2. LOW VOLUME TOILET
 3. SEPARATED LAUNDRY SYSTEM
 4. ALTERNATIVE TOILET
 SPECIFY _____

PUMPING
 1. NOT REQUIRED
 2. MAY BE REQUIRED (DEPENDING ON TREATMENT TANK LOCATION & ELEVATION)
 3. REQUIRED
 DOSE: 67 GALS.

CRITERIA USED FOR DESIGN FLOW (BEDROOMS, SEATING EMPLOYEES, WATER RECORDS, ETC.)
 3 bedrooms

SOIL CONDITIONS USED FOR DESIGN PURPOSES
 PROFILE: 3 CONDITION: C
 DEPTH TO LIMITING FACTOR: 17 "

SIZE RATINGS USED FOR DESIGN PURPOSES
 1. SMALL
 2. MEDIUM
 3. MEDIUM-LARGE
 4. LARGE
 5. EXTRA-LARGE

DISPOSAL AREA TYPE/SIZE
 1. BED _____ Sq. Ft.
 2. CHAMBER 500 Sq. Ft. REGULAR H-20
 3. TRENCH _____ Linear Ft.
 4. OTHER: _____

DESIGN FLOW: 282 (GALLONS/DAY)

SITE EVALUATOR STATEMENT

On 11/17/86 (date) I conducted a site evaluation for this project and certify that the data reported is accurate. The system I propose is in accordance with the Subsurface Wastewater Disposal Rules.

William W. Ridd
 Site Evaluator Signature

51
 SE#

Approved for use as HNE 200 by Division of Health Engineering 9/87
 Rev. 8/3/89 Date
 Page 1 of 3

SOIL SURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

08039102

City, Plantation
Augusta

Street, Road, Subdivision

Buck and Doe Trail

Owner's Name

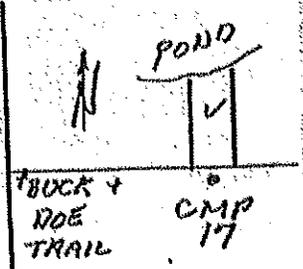
Nasta, William

SITE PLAN

Scale: 1" = _____ Ft.
or as shown

SITE LOCATION PLAN
(Attach Map from Maine Atlas for New System Variance)

WEEKS MILLS RD



SEE P. -A

SOIL DESCRIPTION AND CLASSIFICATION

(Location of Observation Notes Shown Above)

Observation Hole 1 Test Pit Boring
17 " Depth of Organic Horizon Above Mineral Soil

Inches	Texture	Consistency	Color	Mottling
0				
6	S.L.	FRIBLE	B	
10				
15				
20				
30	G.T.	FIRM	G.B.	
40				
50				

Soil Classification S Slope 11/17 % Limiting Factor 17 Ground Water
 Profile Condition C Restr. Layer Bedrock

Observation Hole _____ Test Pit Boring
 " Depth of Organic Horizon Above Mineral Soil

Inches	Texture	Consistency	Color	Mottling
0				
6				
10				
15				
20				
30				
40				
50				

Soil Classification _____ Slope _____ % Limiting Factor _____ Ground Water
 Profile Condition _____ Restr. Layer Bedrock

William W. Red
Site Evaluator Signature

51
SE#

Rev. 8/3/89
Date

Approved for use as
MHE 200 by Division of
Health Engineering 9/87

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering

Town, City Installation

Street, Road, Subdivision

Owners Name

SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale 1" = 10 Ft.
or as shown

PROVIDE DRAINAGE

2" PUMP
LINE
FROM
TANK

62.5

R-1

2.8'

3.2'

3.8'

R-2

5 PERIMETER FILL

SOLID
4" PVC
PIPES TO
CONNECT
ROWS 4:1

4:1

EXTEND FILL ON 4:1 SLOPE

B

FILL REQUIREMENTS

Depth of Fill (Upslope)

18"

Depth of Fill (Downslope)

24"

CONSTRUCTION ELEVATIONS

Reference Elevation is Row 1 only

0

Bottom of Disposal Area All rows

-62"

Top of Distribution Lines or Chambers

-47"

ELEVATION REFERENCE POINT LOCATION & DESCRIPTION

NAIL TO 16" OAK

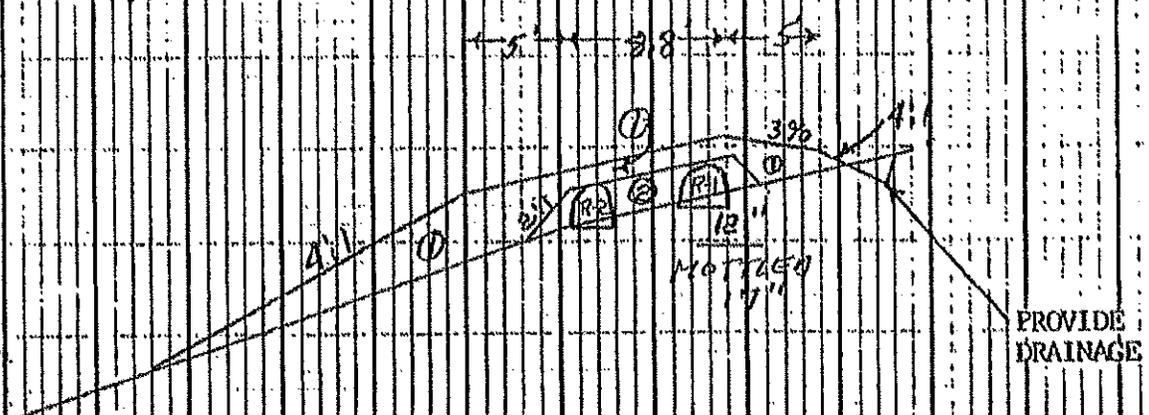
DISPOSAL AREA CROSS SECTION

Scale:

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

1; loamy sand fill, loamed and seeded, (8" cover over units) (Extend to 4:1 slope)
2; Sandy gravel fill under between and out to 2:1 slope.
R-1 through R-2; 2 rows, 10 infiltrators each row.

Bottom Elev.	
R-1	62"
R-2	68"
R-3	
R-4	
R-5	
R-6	



GRUB SURFACE/REMOVE ORGANICS

PROVIDE DRAINAGE

B

A

[Signature]
Site Evaluator Signature

51

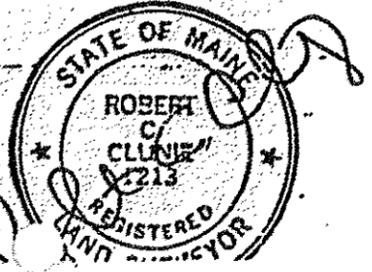
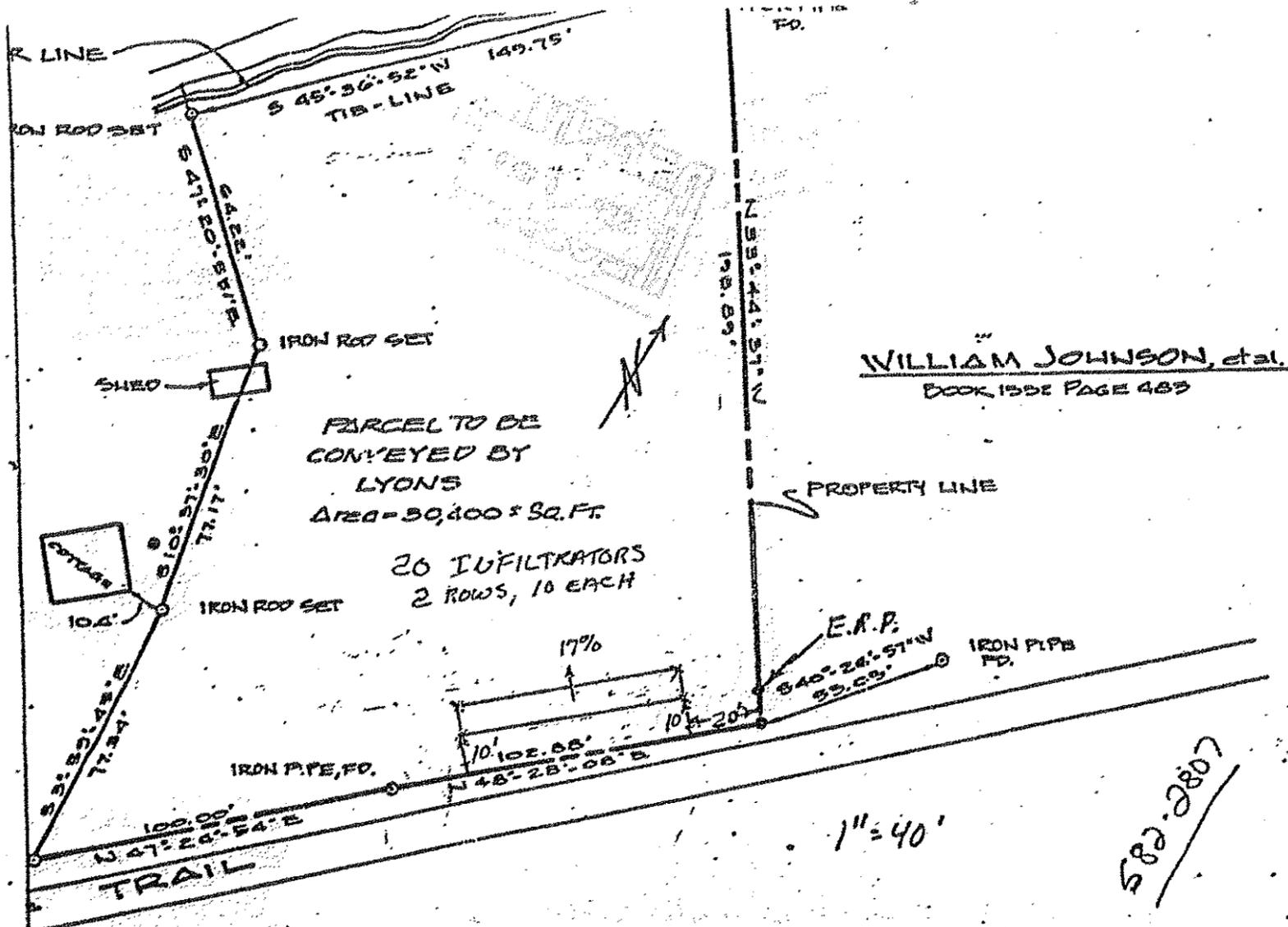
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REVISED 8/3/89

Date

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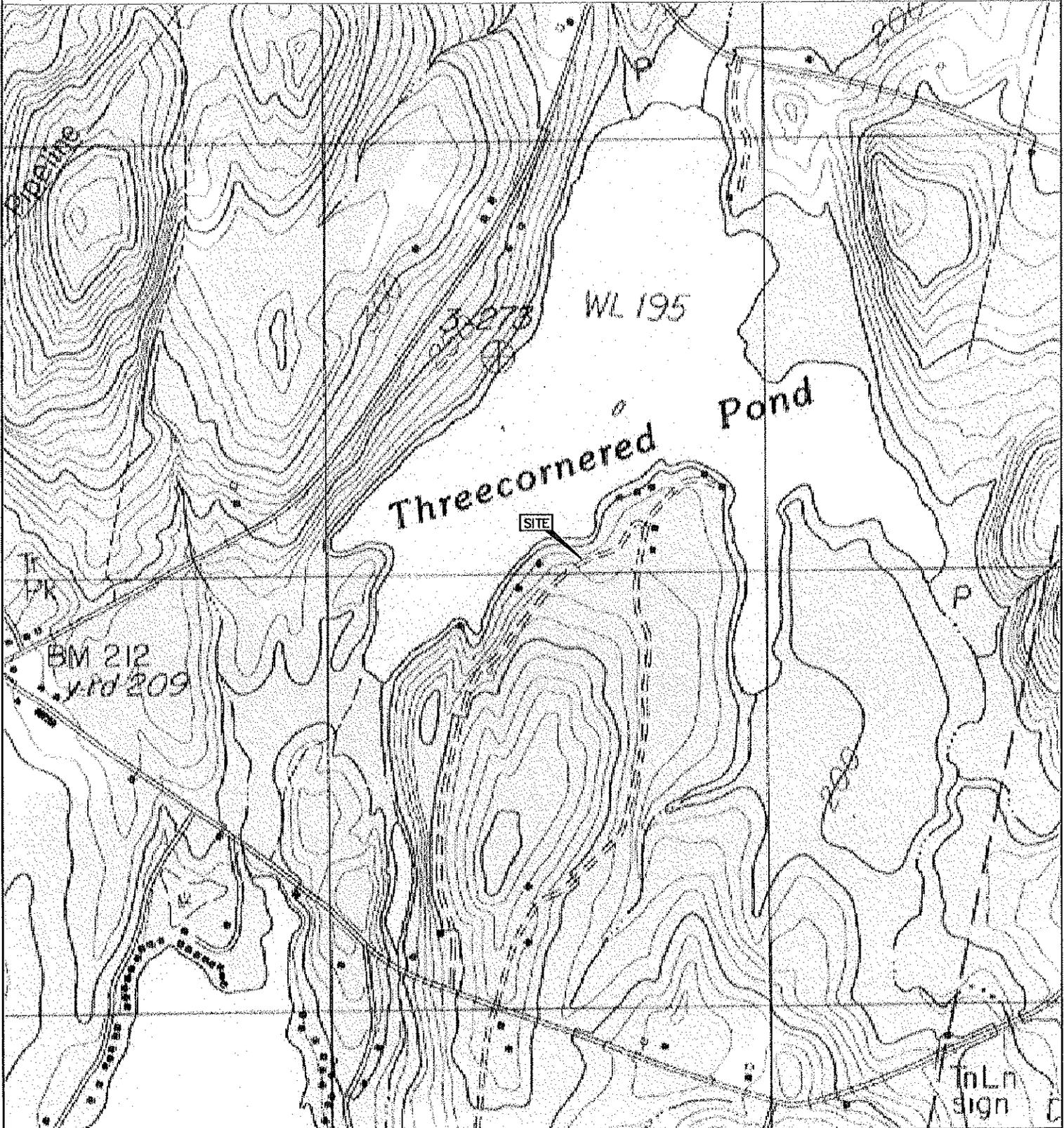


SURVEY FOR
WILLIAM C. LYONS, SR.
 THREE CORNER POND • AUGUSTA
 KENNEBEC COUNTY • MAINE



SITE LOCATION MAP

SCALE 1" = 1000'



HHE-200

ENGINEERING
E.S. COFFIN
 SURVEYING

E.S. COFFIN ENGINEERING & SURVEYING, INC.
 411 Coy Road P.O. Box 4487 Augusta, Maine 04310
 Ph. (207) 633-5473 Fax (207) 633-8516 Toll Free 1-800-246-9475

CLIENT/PROJECT:	Randy Dubois SEPTIC SYSTEM DESIGN	DRAWING TITLE:	SITE LOCATION MAP
LOCATION:	119 RUCK & DOE TRAIL	SCALE:	AS SHOWN
TOWN:	AUGUSTA	COUNTY:	KENNEBEC
STATE:	MAINE	DATE:	JUNE 9, 2014

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering

Town, City, Plantation

Street, Road, Subdivision

Owner's Name

Augusta

119 Buck & Doe Trail

Randy Dubois *Randy Dubois*

FILL REQUIREMENTS

Depth of Fill (Upslope)
Depth of Fill (Downslope)

CONSTRUCTION ELEVATIONS

Reference Elevation is 00"
Bottom of Disposal Area n/a
Top of Chambers n/a

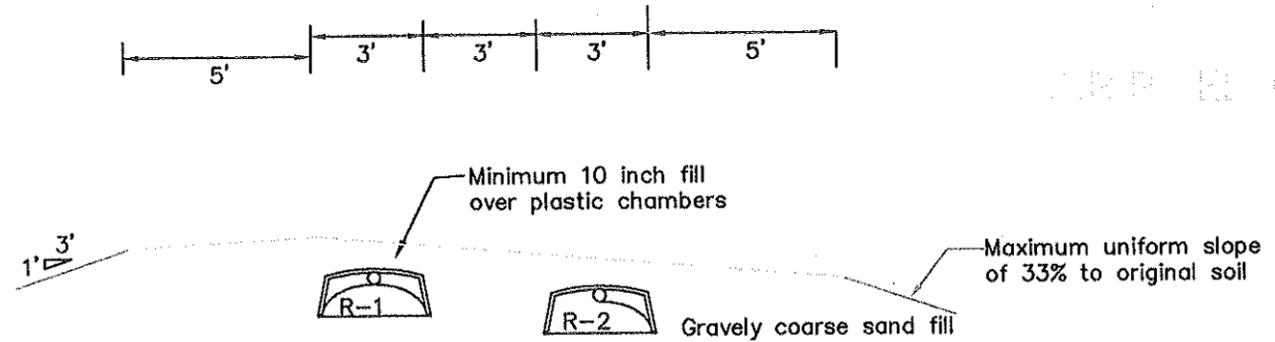
ELEV. REF. PT:

Horizontal 50d nail in 22" Oak Tree
63" above ground

SCALE:

Vertical: 1 inch = 5 feet
Horizontal: 1 inch = 5 feet

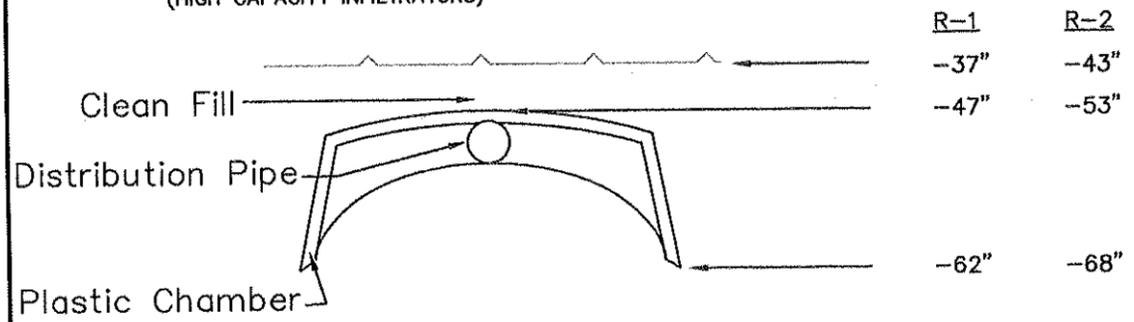
DISPOSAL AREA CROSS SECTION



Remove vegetation and scarify original soil under fill
The soil should be broken up to a depth of 6-8 inches.

INSTALL 2 PLASTIC CHAMBERS FOR EACH ROW
(HIGH CAPACITY INFILTRATORS)

Elevations for:



DETAIL (no scale)

Site Evaluator's Signature *Kane P. Coffin*

SE # 331

Date: 06/9/14

HHE-200

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Dept. of Health & Human Services
Division of Environmental Health

(207) 287-5338
(207) 287-3165 (fax)

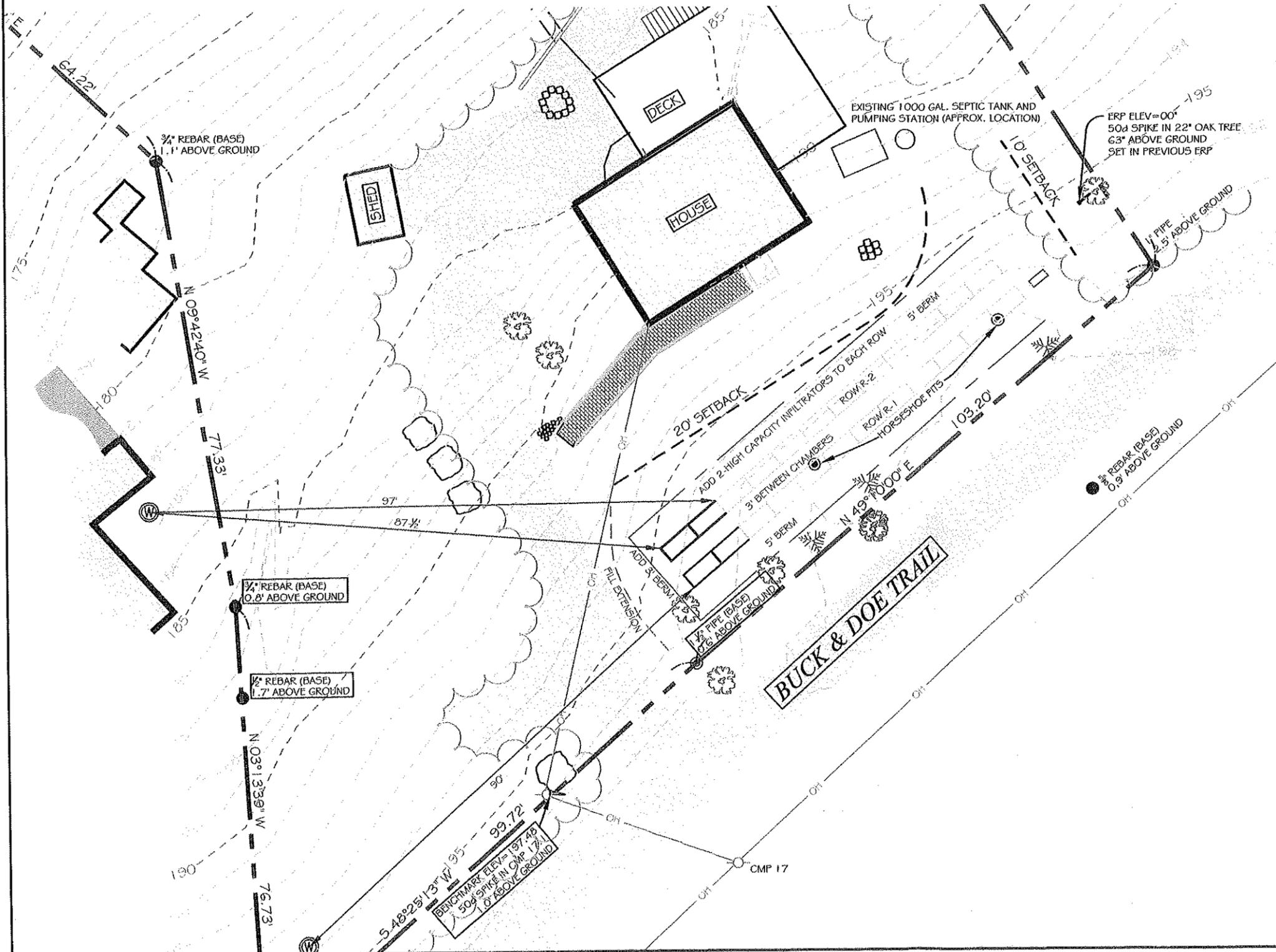
Town, City, Plantation
Augusta

Street, Road, Subdivision
119 Buck & Doe Trail

Owner's Name
Randy DuBois *Randy DuBois*

SUBSURFACE WASTEWATER DISPOSAL PLAN

SCALE: 1" = 20'



DISPOSAL FIELD CONSTRUCTION TECHNIQUES

1. Vegetation shall be cut and removed from the area where backfill material is to be placed. Organic duff and old fill material from under the disposal area and fill extension should be removed.
2. The area under the disposal field and backfill extensions shall be roto-tilled with gravely coarse sand fill to a depth of 6-8 inches to form a Transitional Horizon. Do not use wheeled equipment on the scarified soil surface until after 12 inches of fill is in place.
3. Fill large holes that are left as a result of stump or stone removal with gravely coarse sand fill.
4. Surface water (from roofs or upland) must be diverted away from the disposal field.
5. Septic tank(s), grease trap, pumping station, and lines may be relocated to accommodate site conditions as long as setbacks and intent of design are met.
6. All construction shall conform with Title 22 MRSA, Section 42, 10-144A-CMR 241 "Maine Subsurface Waste Water Disposal Rules" and other pertinent sections.
7. The owner/contractor shall carefully observe the vertical distance between the E.R.P. and the bottom of the leach field and notify the Site Evaluator promptly if separation distance appears to be at odds with the original ground.
8. The owner/applicant is responsible for the contractor installing the proposed septic system correctly and for obtaining all necessary permits.
9. Access openings for septic tanks serving single-family dwelling units may be buried, although water tight risers to within 6" of finish grade are required. The riser opening must be at least 18" in diameter over the tank cover. Outlet baffles that utilize an effluent filter must have a riser of at least 18" in diameter extended to finish grade.
10. Installation of a garbage (grinder) disposal is not recommended. If one is installed, an additional 1000 gallon septic tank or a septic tank filter should be connected in series to the proposed septic tank.
11. The septic tank should be pumped at least once every three years.
12. The general minimum setback between a well and septic system serving a single family residence is 100-300 feet, unless the local municipality has a more stringent requirement. A well installed by an abutter within the minimum setback distances prior to the issuance of a permit for the proposed disposal system may void this design.

ELEVATION REFERENCE POINT	ELEVATION: 00'
	DESCRIPTION: 50d spike in 22" Oak Tree (63" above ground)

SHEET TITLE:	PLAN VIEW
	SCALE: 1" = 20'

PROJECT:	RANDY DUBOIS
LOCATION:	119 BUCK & DOE TRAIL
TOWN:	AUGUSTA
COUNTY:	KENNEBEC
STATE:	MAINE
DATE:	JUNE 9, 2014

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PROJ. NO. 2012-097

Site Evaluator's Signature

SE # 331

Date: 06/09/14

HHE-200