

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Dept. 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	48 Red Maple Lane		
Subdivision, Lot #	Red Maple Ridge, Parcel 3		
OWNER/APPLICANT INFORMATION			
Name (last, first, MI)	Belanger, Jeff	<input checked="" type="checkbox"/> Owner	<input type="checkbox"/> Applicant
Mailing Address of Owner/Applicant	48 Red Maple Lane Augusta, ME 04330		
Daytime Tel. #	(207) 592-1365		

AUGUSTA PERMIT #7201
 Date Permit Issued: 2/18/16 \$ 250.00 fee
 15.00 LPI # 850
Yang R. Fadden

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.

I have inspected the installation authorized above and on back of this form and found it to be in compliance with the Subsurface Wastewater Disposal Rules and local ordinances.

Jeff Belanger
 Signature of Owner/Applicant

2-22-16
 Date

Local Plumbing Inspector Signature

(1st) Date Approved

(2nd) Date Approved

PERMIT INFORMATION

TYPE OF APPLICATION		THIS APPLICATION REQUIRES		DISPOSAL SYSTEM COMPONENT(S)	
1. <input checked="" type="checkbox"/> First Time System 2. <input type="checkbox"/> Replacement System Type Replaced: _____ Year Installed: _____ 3. <input type="checkbox"/> Expanded System a. <input type="checkbox"/> Minor Expansion b. <input type="checkbox"/> Major Expansion 4. <input type="checkbox"/> Experimental System 5. <input type="checkbox"/> Seasonal Conversion		1. <input checked="" 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 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 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: outlet filter on tank 12. <input type="checkbox"/> Miscellaneous components	
SIZE OF PROPERTY		DISPOSAL SYSTEM TO SERVE:		TYPE OF WATER SUPPLY <input checked="" type="checkbox"/> Proposed	
_____ sq. ft. 6.3 <input checked="" type="checkbox"/> acres		1. <input checked="" type="checkbox"/> Single Family Dwelling Unit, No. of Bedrooms: 3 2. <input type="checkbox"/> Multiple Family Dwelling, No. of Units: _____ 3. <input type="checkbox"/> Other: _____ Specify _____		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		Current Use <input type="checkbox"/> Seasonal <input type="checkbox"/> Year Round <input checked="" type="checkbox"/> Undeveloped			
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON CROSS-SECTIONAL VIEW)

TREATMENT TANK <input checked="" type="checkbox"/> proposed		DISPOSAL AREA TYPE/SIZE		GARBAGE DISPOSAL UNIT		DESIGN FLOW	
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		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: 891 <input checked="" type="checkbox"/> sq. ft. <input type="checkbox"/> lin. ft.		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		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	
SOIL DATA & DESIGN CLASS		DISPOSAL FIELD SIZING		EFFLUENT/EJECTOR PUMP		3. <input type="checkbox"/> Section 4G (meter readings)	
PROFILE <u>3</u> / <u>D</u> CONDITION _____ at Observation Hole # <u>TP 2</u> Depth: <u>12"</u> 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 checked="" type="checkbox"/> May be required 3. <input type="checkbox"/> Required >> Specify only for engineered systems Dosé _____ Gallons		LATITUDE AND LONGITUDE at center of disposal area Lat. N <u>44</u> d <u>21</u> m <u>36.72</u> s Lon. W <u>69</u> d <u>45</u> m <u>53.74</u> s If g.p.s., state margin of error: _____	

SITE EVALUATOR COMMENTS

System-5 lines or 40' long Enviro-Septic Pipe, 2-1/4' apart; Leach field designed for 3 bedroom dwelling.

SITE EVALUATOR STATEMENT

I Certify that on January 12, 2016 (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

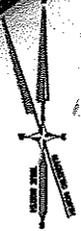
SE #331

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

February 8, 2016

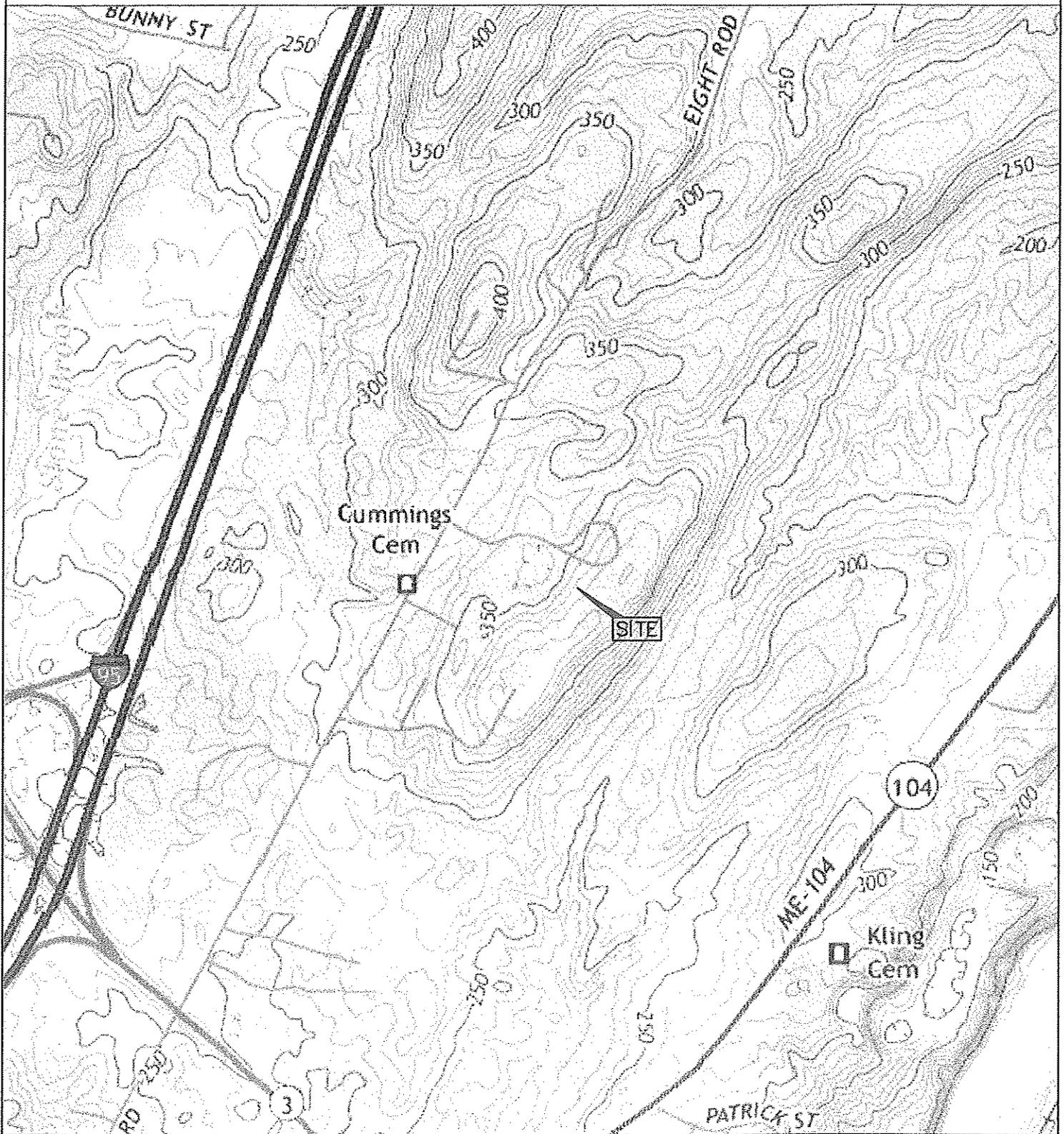
Date
 kcoffin@coffineng.com

Note: Changes to or deviations from the design should be confirmed with the Site Evaluator
 See back of this form for conditions of permit



SITE LOCATION MAP

SCALE 1" = 1000'



HHE-200



 REGISTERED PROFESSIONAL SURVEYOR

 R.A. COFFIN ENGINEERING & SURVEYING, INC.

 411 Gray Road, P.O. Box 4687 Augusta, Maine 04330

 Ph. (207) 623-9478 Fax (207) 623-9416 Toll Free 1-800-244-9415

CLIENT/PROJECT: **Jeff Belanger**
SEPTIC SYSTEM DESIGN

LOCATION: 48 RED MAPLE LANE
 TOWN: AUGUSTA COUNTY: KENNEBEC STATE: MAINE

SHEET TITLE: **SITE LOCATION MAP**

SCALE: AS SHOWN
 DATE: FEBRUARY 8, 2016

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering

Town, City, Plantation
Augusta

Street, Road, Subdivision
48 Red Maple Lane

Owner's Name
Jeff Belanger

FILL REQUIREMENTS
Depth of Fill (Upslope) 30-33"
Depth of Fill (Downslope) 30-40"

CONSTRUCTION ELEVATIONS
Reference Elevation Is 00"
Bottom of Disposal Area n/a
Top of Pipe n/a

ELEV. REF. PT:

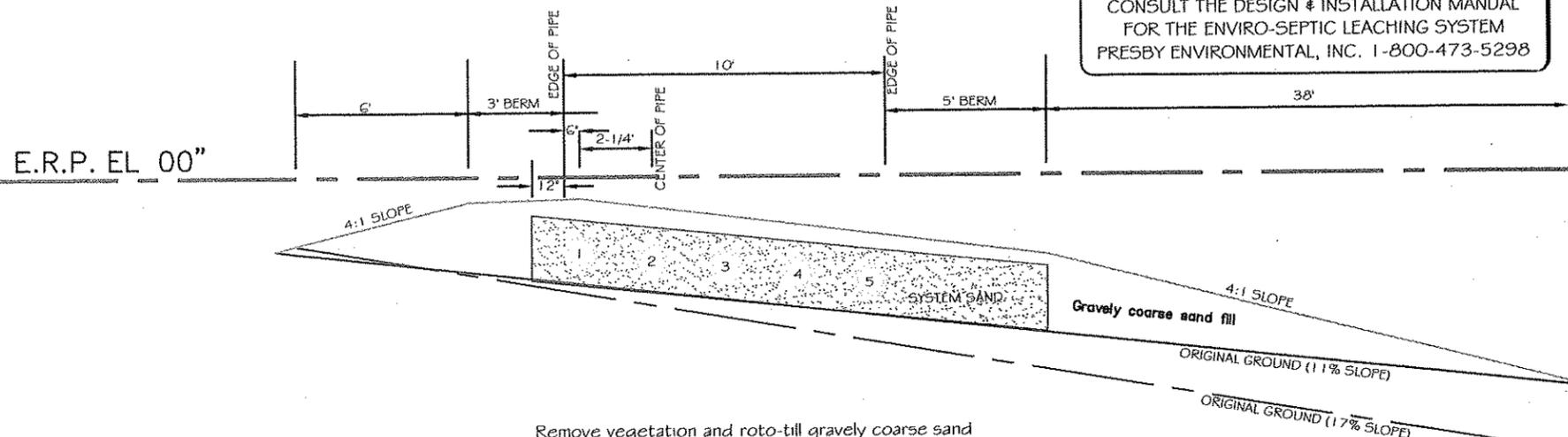
hor. screw in 3" Oak Tree
58" above ground

SCALE:

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

DISPOSAL AREA CROSS SECTION

CONSULT THE DESIGN & INSTALLATION MANUAL
FOR THE ENVIRO-SEPTIC LEACHING SYSTEM
PRESBY ENVIRONMENTAL, INC. 1-800-473-5298



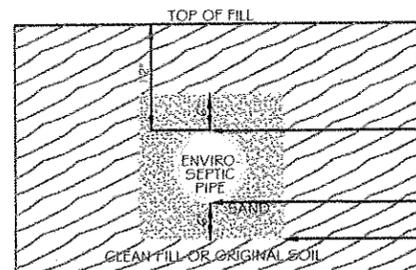
INSTALL 5 LINES OF ENVIRO-SEPTIC PIPE (40' LONG),
2-1/4' APART CENTER- TO-CENTER.

Remove vegetation and roto-till gravely coarse sand
fill into original ground to a depth of 6-8 inches to
create a transitional zone

ELEVATIONS

ROW 1	ROW 2	ROW 3	ROW 4	ROW 5
-10"	-13"	-15"	-18"	-21"
-22"	-25"	-27"	-30"	-33"
-34"	-37"	-39"	-42"	-45"
-40"	-43"	-46"	-48"	-51"

INSTALL 6" OF MEDIUM TO COARSE
SAND WITH AN EFFECTIVE PARTICLE
SIZE OF 0.25 TO 2.0 MM, WITH NO
GREATER THAN 5% PASSING A #200
SIEVE AND NO PARTICLES LARGER
THAN 3/4" AROUND THE PIPE.



DETAIL (no scale)

Site Evaluator's Signature

Karen P. Coffin

SE # 331

Date: 02/08/16

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

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

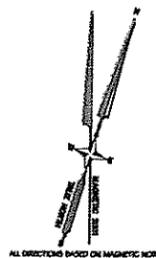
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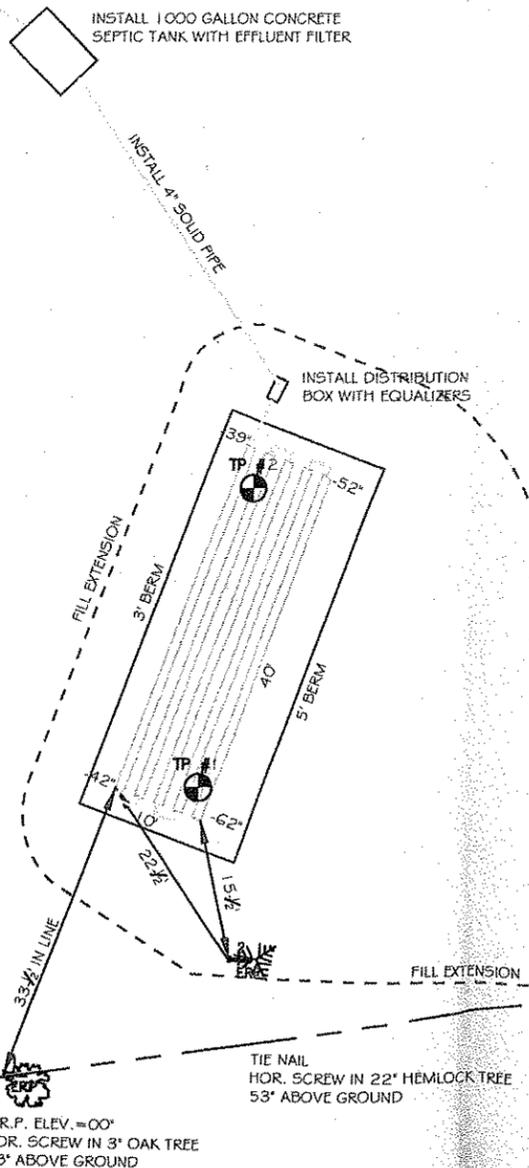
Owner's Name
Jeff Belanger

SUBSURFACE WASTEWATER DISPOSAL PLAN

SCALE: 1" = 20'



APPROX. LOCATION OF
3 BEDROOM DWELLING



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 42.10-1.44A-CMR 24.1 "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

DESCRIPTION:
Hor. screw in 3" Oak Tree
(58' above ground)

ELEVATION: 00'

PLAN VIEW

JEFF BELANGER



Site Evaluator's Signature

Kane P. Coffin

SE # 331

Date: 02/08/16

HHE-200