

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: Permit Required -- Attach in Space Below <<

City, Town, or Plantation: Augusta

Street or Road: 200 Leavitt Road W

Subdivision, Lot #: 1st Fast Lane

AUGUSTA
Date Permit Issued: 15/19/11

PERMIT # 6559 TOWN COPY
\$ 250.00 Double Fee
FEE Charged

Local Plumbing Inspector Signature: Mary R. Faulkner
L.P.I. # 850

OWNER/APPLICANT INFORMATION

Name (last, first, MI): Dulac, Duke Owner
Deschenes, Daniel Applicant

Mailing Address of Owner/Applicant: 308 Spring Road
Augusta, ME 04330

Daytime Tel. #: (207) 449-7546

Municipal Tax Map # 11 Lot # 73

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.

Caution: Inspections Required

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.

Signature of Owner/Applicant: Daniel Deschenes 6/29/11
Date

Local Plumbing Inspector Signature: Mary R. Faulkner
(1st) Date Approved: 9/13/11
(2nd) Date Approved: _____

PERMIT INFORMATION

TYPE OF APPLICATION 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	THIS APPLICATION REQUIRES 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	DISPOSAL SYSTEM COMPONENT(S) 1. <input checked="" type="checkbox"/> Complete non-Engineered System 2. <input type="checkbox"/> Primitive System (graywater & all 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: <u>outlet filter on tank</u> 12. <input type="checkbox"/> Miscellaneous components
SIZE OF PROPERTY _____ sq. ft. 7 <input checked="" type="checkbox"/> acres	DISPOSAL SYSTEM TO SERVE: 1. <input checked="" type="checkbox"/> Single Family Dwelling Unit, No. of Bedrooms: <u>3</u> 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	TYPE OF WATER SUPPLY 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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

TREATMENT TANK 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: <u>1000</u> Gallons	DISPOSAL AREA TYPE/SIZE 1. <input checked="" type="checkbox"/> Stone Bed 2. <input type="checkbox"/> Stone Trench 3. <input type="checkbox"/> Proprietary Device <input type="checkbox"/> Cluster array <input type="checkbox"/> Linear <input type="checkbox"/> Regular load <input type="checkbox"/> H-20 load 4. <input type="checkbox"/> Other: _____ SIZE: <u>891</u> <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 <u>270</u> gallons per day BASED ON: 1. <input checked="" type="checkbox"/> Table 501.1 (dwelling unit(s)) 2. <input type="checkbox"/> Table 501.2 (other facilities) SHOW CALCULATIONS for other facilities 3. <input type="checkbox"/> Section 503.0 (meter read.)
SOIL DATA & DESIGN CLASS PROFILE CONDITION DESIGN <u>3 / D / 3D</u> at Observation Hole # <u>TP 2</u> Depth: <u>11"</u> OF MOST LIMITING SOIL FACTOR	DISPOSAL FIELD SIZING 1. <input type="checkbox"/> Small 2.0 sq. ft./gpd. 2. <input type="checkbox"/> Medium 2.6 sq. ft./gpd. 3. <input checked="" type="checkbox"/> Medium Large 3.3 sq. ft./gpd 4. <input type="checkbox"/> Large 4.1 sq. ft./gpd. 5. <input type="checkbox"/> Extra-Large 5.0 sq. ft./gpd.	EFFLUENT/EJECTOR PUMP 1. <input type="checkbox"/> Not required 2. <input checked="" type="checkbox"/> May be required 3. <input type="checkbox"/> Required >> Specify only for engineered systems Dose _____ Gallons	LATITUDE AND LONGITUDE at center of disposal area Lat. <u>44.d 18.m 28.36 s</u> Lon. <u>69.d 42.m 47.34 s</u> If g.p.s., state margin of error: _____

SITE EVALUATOR COMMENTS

System-15' by 59' stone bed designed for future 3 bedroom dwelling.

SITE EVALUATOR STATEMENT

I Certify that on May 4, 2011 (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
Augusta, Maine 04330-1687

SE #331
Licensed Site Evaluator
(207) 623-9475 or 1-800-244-9475

May 6, 2011
Date
Fax (207)623-0016

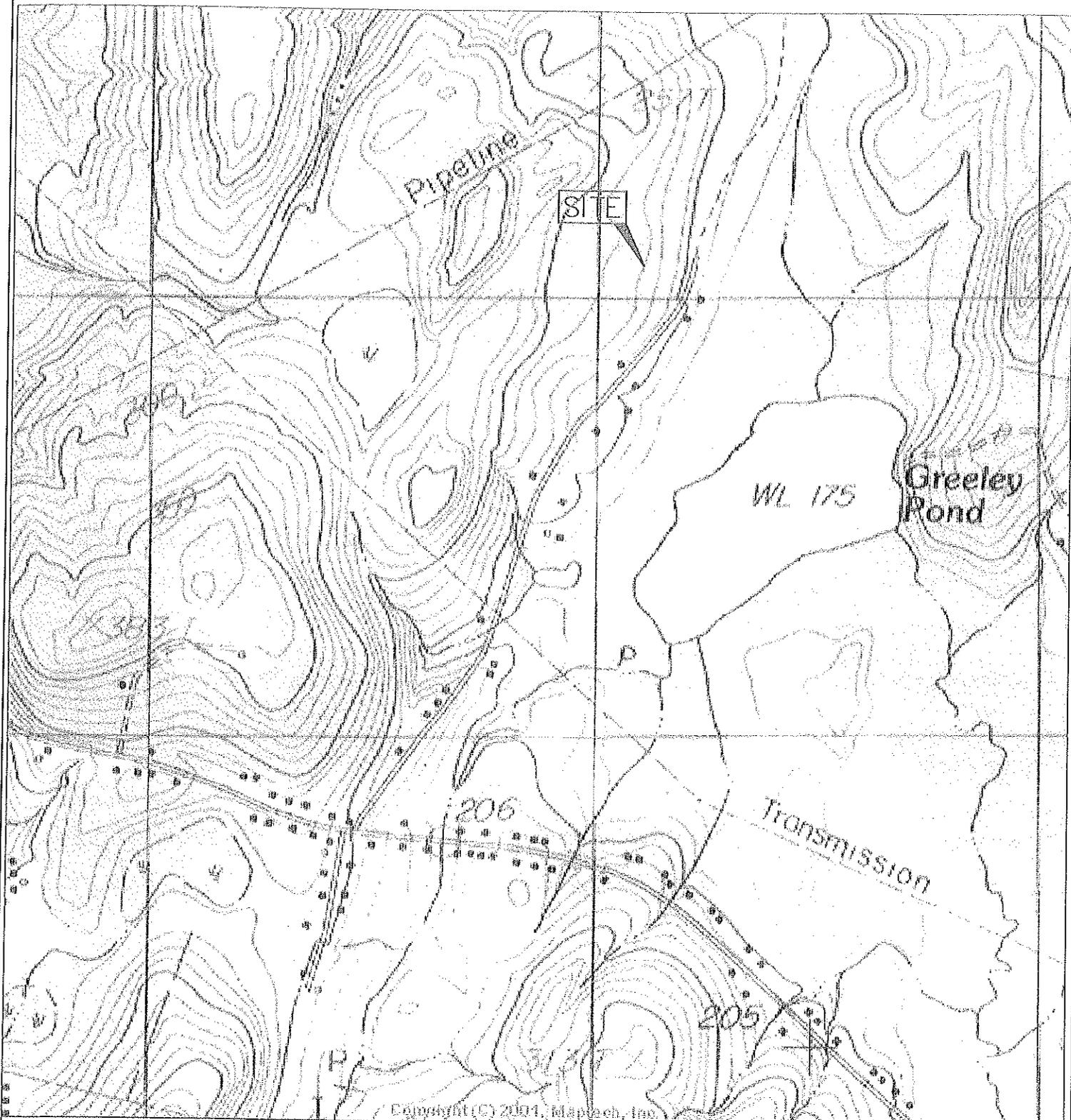
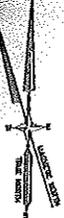
Note: Changes to or deviations from the design should be confirmed with the Site Evaluator
See back of this form for conditions of permit

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.

SITE LOCATION MAP

SCALE 1" = 1000'



HHE-200

ENGINEERING
E.S. COFFIN
SURVEYING
INCORPORATED
1923
E.S. COFFIN ENGINEERING & SURVEYING, INC.
452 Cony Road, P.O. Box 4887, Augusta, Maine 04300
Ph. (207) 625-9275 Fax (207) 625-8016 Toll Free 1-800-241-9175

DESIGNED BY
Daniel Deschenes
SEPTIC SYSTEM DESIGN

SHEET 01/02
SITE LOCATION MAP

LOCATION: 200 LEAVITT ROAD
TOWN: AUGUSTA COUNTY: KENNEBEC STATE: MAINE

SCALE: AS SHOWN
DATE: MAY 6, 2011

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Dept. Health & Human Services (207) 287-5672
 Division of Environmental Health (207) 287-3165 (FAX)

Town, City, Plantation
 Augusta

Street, Road, Subdivision
 200 Leavitt Road

Owner's Name
 Daniel Deschenes

SITE PLAN

Scale: 1" = ___ feet

TEXTURE TERMS
 Sand
 Loamy sand
 Sandy loam
 Loam
 Silty loam
 Silty clay loam
 Silty clay
 Bedrock

TEXTURE

ABUNDANCE
 Very-36-60%
 Extremely-61-80%

MODIFIER TERMS

VF-very fine
 F-fine
 M-medium
 C-course
ROCK
 Gravelly-0.1-3"
 Cobblely-3-10"
 Stony-+10"

MOTTLING

CONTRAST
 Faint
 Distinct
 Prominent

ABUNDANCE
 None
 Few-<2%
 Common-2-20%
 Many->20%

CONSISTENCE

TERMS
 Loose
 Friable
 Firm
 Very Firm
 Cemented

SOIL DESCRIPTION AND CLASSIFICATION

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

Texture	Consistency	Color	Mottling
stony fine sandy loam	Friable	Dk Brown	None
		Dk Yel Br	
	Firm	Yellow Br	Common Distinct
		Lt Olive Br	
gravely very fine sandy loam		Olive	

Soil Classification 3 D Profile Condition	Slope 5 %	Limiting Factor 13 "	<input checked="" type="checkbox"/> Ground Water <input type="checkbox"/> Restrictive Layer <input type="checkbox"/> Bedrock <input type="checkbox"/> Pit Depth
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Observation Hole TP 2 Test Pit Boring
 2" Depth of Organic Horizon Above Mineral Soil

Texture	Consistency	Color	Mottling
stony fine sandy loam	Friable	Dk Brown	None
		Yel Brown	
	Firm	Lt Olive Br	Common Distinct
		Olive	

Soil Classification 3 D Profile Condition	Slope 7 %	Limiting Factor 11 "	<input checked="" type="checkbox"/> Ground Water <input type="checkbox"/> Restrictive Layer <input type="checkbox"/> Bedrock <input type="checkbox"/> Pit Depth
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Site Evaluator's Signature *Kane P. Coffin*

SE # 331

Date: 05/06/11

HHE-200

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering

Town, City, Plantation

Street, Road, Subdivision

Owner's Name

Augusta

200 Leavitt Road

Daniel Deschenes

FILL REQUIREMENTS

Depth of Fill (Upslope) 35-35"
Depth of Fill (Downslope) 46-49"

CONSTRUCTION ELEVATIONS

Reference Elevation is 00"
Bottom of Disposal Area -45"
Top of distribution lines -34"

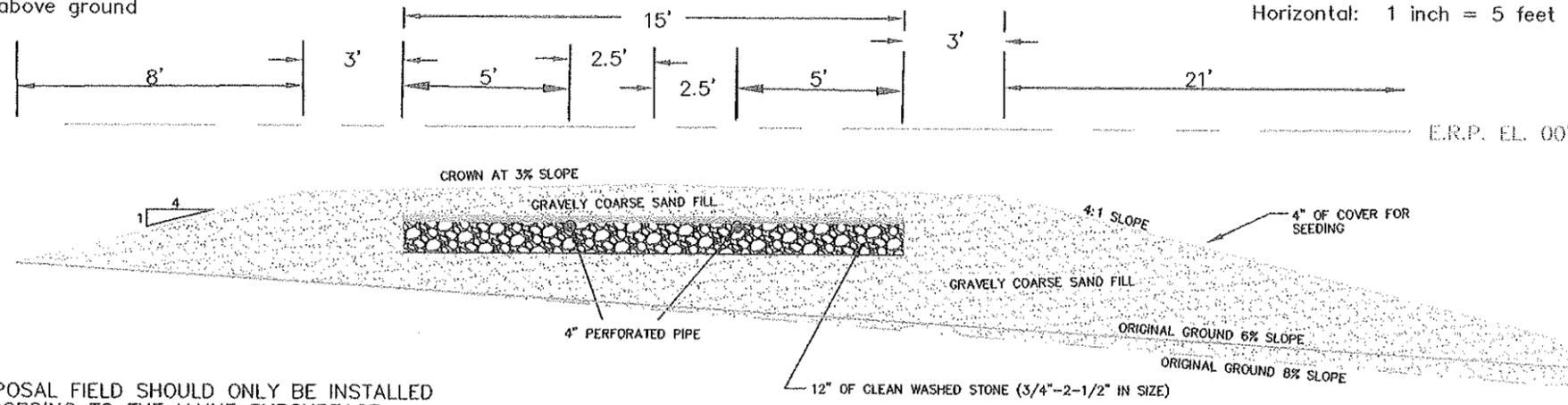
ELEV. REF. PT:

50d Spike in 4" Pine Tree
49" above ground

DISPOSAL AREA CROSS SECTION

SCALE:

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

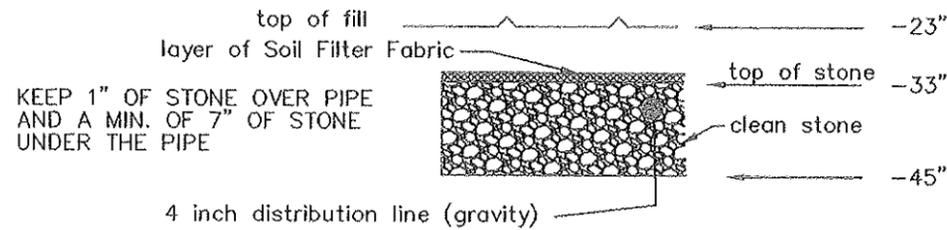


E.R.P. EL. 00"

DISPOSAL FIELD SHOULD ONLY BE INSTALLED
ACCORDING TO THE MAINE SUBSURFACE
WASTE WATER DISPOSAL RULES 144A CMR 241
UNDER TITLE 22 MRSA 42.

REMOVE VEGETATION AND ROTO-TILL GRAVELLY COARSE
SAND INTO ORIGINAL GROUND TO A DEPTH OF 6-8 INCHES.

E.R.P.
elev.



STONE BED (no scale)

INSTALL 15' BY 59' STONE BED

Site Evaluator's Signature *Kane P. Coffin*

SE # 331

Date: 05/06/11

HHE-200

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

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

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

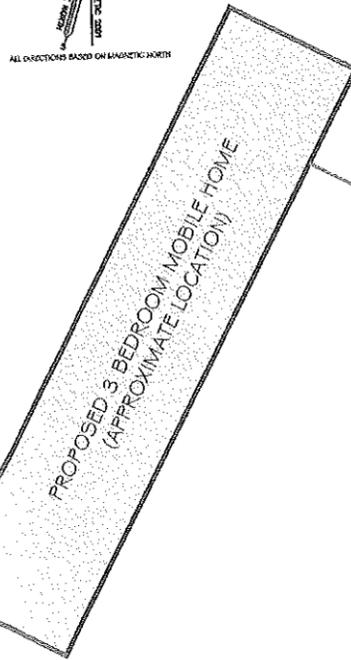
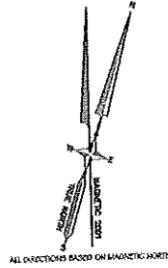
Town, City, Plantation
Augusta

Street, Road, Subdivision
200 Leavitt Road

Owner's Name
Daniel Deschenes

SUBSURFACE WASTEWATER DISPOSAL PLAN

SCALE: 1" = 20'

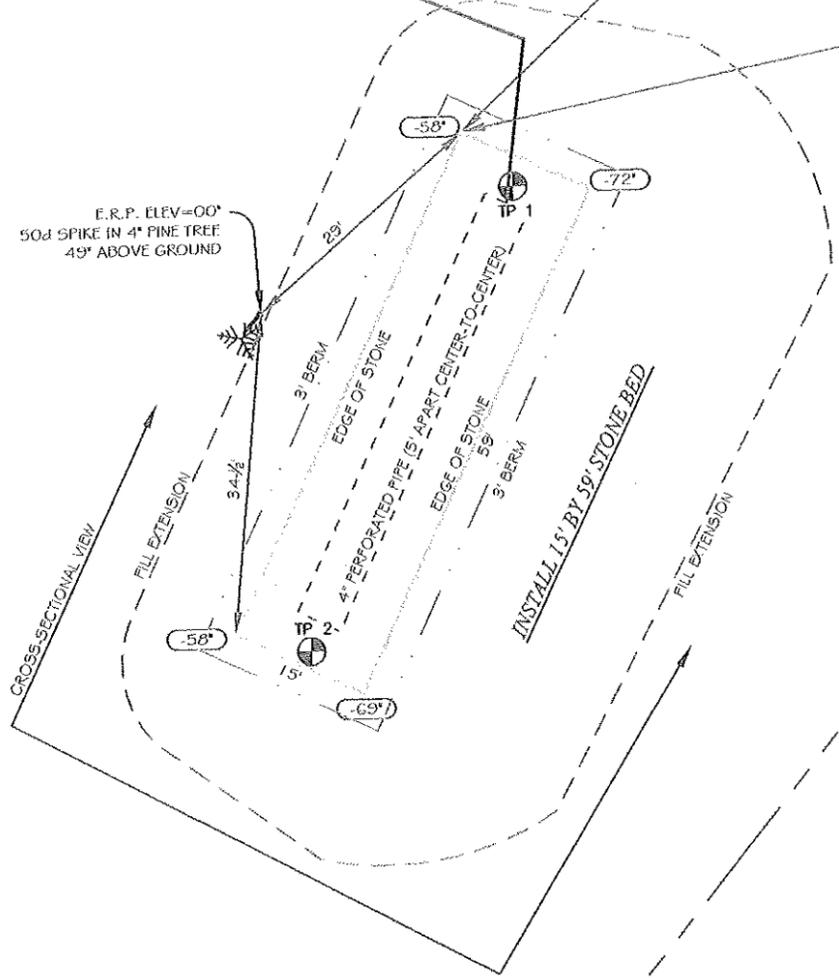


1000 GALLON CONCRETE SEPTIC TANK WITH EFFLUENT FILTER

4" SOLID PIPE

E.R.P. ELEV = 00'
50d SPIKE IN 4" PINE TREE
49" ABOVE GROUND

CROSS-SECTIONAL VIEW



112 1/2'

PROPERTY LINE

SE # 331

7/8" REBAR (CAPPED GIROUX) RIGHT-OF-WAY

7/8" REBAR (CAPPED GIROUX) BOULDER

- 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	DESCRIPTION:	ELEVATION: 00'
	50d spike in 4" Pine Tree (49" above ground)	
SHEET TITLE	PLAN VIEW	SCALE: 1" = 20'
	DATE: MAY 6, 2011	
PROJECT:	DANIEL DESCHENES	LOCATION: 200 LEAVITT ROAD
		TOWN: AUGUSTA COUNTY: KENNEBEC STATE: MAINE
PROJ. NO. 2011-072	HHE-200	

Site Evaluator's Signature

Kane P. Coffin

Date: 05/06/11