

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Department of Human Services
Division of Health Engineering, Station 10
(207) 287-5672 FAX (207) 287-4172

PROPERTY LOCATION		>> Caution: Permit Required – Attach in Space Below <<
City, Town, or Plantation	Augusta	
Street or Road	1107 Tasker Road	
Subdivision, Lot #		

AUGUSTA
Date Permit Issued: 7/20/2010 \$ 1625.00 If Double Fee Charged

PERMIT # 6471 TOWN COPY

Philip Doyon
Local Plumbing Inspector Signature

L.P.I. # ADA

OWNER/APPLICANT INFORMATION	
Name (last, first, MI)	Doyon, Philip <input checked="" type="checkbox"/> Owner <input type="checkbox"/> Applicant
Mailing Address of Owner/Applicant	1105 Tasker Road Augusta, ME 04330
Daytime Tel. #	(207) 441-9851

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.

Philip Doyon
Signature of Owner/Applicant

7-23-10
Date

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.

Philip Doyon
Local Plumbing Inspector Signature

(1st) Date Approved: 7/23/10
(2nd) Date Approved: 7/23/10

PERMIT INFORMATION

TYPE OF APPLICATION 1. <input type="checkbox"/> First Time System 2. <input checked="" type="checkbox"/> Replacement System Type Replaced: <u>cess pool</u> Year Installed: <u>unknown</u> 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 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 checked="" 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 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 checked="" type="checkbox"/> Miscellaneous components
SIZE OF PROPERTY <input type="checkbox"/> sq. ft. 0.2 <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 checked="" type="checkbox"/> Year Round <input 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: _____

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

TREATMENT TANK (existing) 1. <input checked="" type="checkbox"/> Concrete <input type="checkbox"/> Regular <input checked="" 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 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: <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>7 / D / 3</u> at Observation Hole # <u>TP 1</u> Depth: <u>12"</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 type="checkbox"/> May be required 3. <input checked="" type="checkbox"/> Required >> Specify only for engineered systems Dose Gallons	LATITUDE AND LONGITUDE at center of disposal area Lat. N <u>19</u> d <u>19</u> m <u>05.84</u> s Lon. W <u>69</u> d <u>39</u> m <u>56.34</u> s If g.p.s., state margin of error: 20'

SITE EVALUATOR COMMENTS

System-9 rows of 60' long Enviro-Septic Pipe, 2' pipe spacing (17' wide).

SITE EVALUATOR STATEMENT

I Certify that on May 11, 2010 (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.

<i>Kane P. Coffin</i> 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	<u>July 21, 2010</u> Date Fax (207)623-0016
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Note: Changes to or deviations from the design should be confirmed with the Site Evaluator
See back of this form for conditions of permit

Page 1
HHE-200 Rev. 4/05

75.00 Septic Tank
30.00 Pump Station
20.00 Vent Pipe
15.00 Vent Pipe
\$140.00

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 attorney's fees, court costs, CE&S's cost to collect bill. PLEASE NOTE THAT THE PERSON SIGNING THIS FORM UNDER THE NAME OF THE 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.

REPLACEMENT SYSTEM VARIANCE REQUEST

THE LIMITATIONS OF THE REPLACEMENT SYSTEM VARIANCE REQUEST

This form shall be attached to an application (HHE-200) for any replacement system which requires a variance to the Rules. The LPI shall review the Replacement System Variance Request and HHE-200 and may approve the Request if all of the following requirements are met.

1. The proposed design meets the definition of a Replacement System as defined in the Rules (Sec. 1906.0)
2. The replacement system is determined by the Site Evaluator and LPI to be the most practical method to treat and dispose of the wastewater.
3. The BOD5 plus S.S. content of the wastewater is no greater than that of normal domestic effluent.

GENERAL INFORMATION		Town of <u>Augusta</u>
Permit No. _____		Date Permit Issued _____
Property Owner's Name: <u>Phillip Doyon</u>		Tel. No.: _____
System's Location: <u>1107 Taster Road</u>		
Property Owner's Address: <u>1105 Taster Road</u>		
(if different from above) _____		

SPECIFIC INSTRUCTIONS TO THE:

LOCAL PLUMBING INSPECTOR (LPI):

If any of the variances exceed your approval authority and/or do not meet all of the requirements listed under the Limitations Section above, then you are to send this Replacement System Variance Request, along with the Application, to the Department for review and approval consideration before issuing a Permit. (See reverse side for Comments Section and your signature.)

SITE EVALUATOR:

If after completing the Application, you find that a variance for the proposed replacement system is needed, complete the Replacement Variance Request with your signature on reverse side of form.

PROPERTY OWNER:

If has been determined by the Site Evaluator that a variance to the Rules is required for the proposed replacement system. This variance request is due to physical limitations of the site and/or soil conditions. The Site Evaluator has considered the site/soil restrictions and has concluded that a replacement system in total compliance with the Rules is not possible.

PROPERTY OWNER

I understand that the proposed system requires a variance to the Rules. Should the proposed system malfunction, I release all concerned provided they have performed their duties in a reasonable and proper manner, and I will promptly notify the Local Plumbing Inspector and make any corrections required by the Rules. By signing the variance request form, I acknowledge permission for representatives of the Department to enter onto the property to perform such duties as may be necessary to evaluate the variance request.

Phillip Doyon
SIGNATURE OF OWNER

7-23-10
DATE

LOCAL PLUMBING INSPECTOR

I, George A. Saurer, the undersigned, have visited the above property and have determined to the best of my knowledge that it cannot be installed in compliance with the Rules. As a result of my review of the Replacement Variance Request, the Application, and my on-site investigation, I (approve, disapprove) the variance request based on my authority to grant this variance. Note: If the LPI does not give his approval, he shall list his reasons for denial in **Comments** Section below and return to the applicant.

Comments:

The request exceeds my authority in that the well is not installed and not meet code and now has been reduced below the prevailing condition which requires a State approval.

George A. Saurer
LPI SIGNATURE

7/23/2010
DATE

HHE-204 Rev 08/05

* See Chapter 7 Disposal system setbacks
 subsection 702.4 Additional setbacks between Replacement
 Disposal systems and a private Potable Water Supply which may be
 Authorized by the Department.

Replacement System Variance Request

VARIANCE CATEGORY							VARIANCE REQUESTED TO:	
SOILS								
Soil Profile	Ground Water Table					12"		inches
Soil Condition	Restrictive Layer							inches
from HHE-200	Bedrock							inches
SETBACK DISTANCES (in feet)	Disposal Fields			Septic Tanks			Disposal Fields	Septic Tanks
	From	Less than 1000 gpd	1000 to 2000 gpd	Over 2000 gpd	Less than 1000 gpd	1000 to 2000 gpd	Over 2000 gpd	To
Wells with water usage of 2000 or more gpd or public water supply wells	300 ft	300 ft [a]	300 ft [a]	150 ft [a]	150 ft [a]	150 ft [a]		
Private Potable Water Supply	100 ft (a)	200 ft	300 ft	50 ft	100 ft	100 ft	75' & 89'	80'
Water supply line	10 ft [a]	20 ft	25 ft [g]	10 ft	10 ft	10 ft [g]		
Water course, major	100 ft (c)	200 ft (c)	300 ft (c)	100 ft	100 ft	100ft		
Water course, minor	50 ft (d)	100 ft (d)	150 ft (d)	50 ft (d)	50 ft (d)	50 ft (d)		
Drainage ditches	25 ft	50 ft	75 ft	25 ft	25 ft	25 ft		
Edge of fill extension – Coastal wetlands, special freshwater wetlands, great ponds, rivers, streams	25 ft [d]	25 ft [d]	25 ft [d]	25 ft [d]	25 ft [d]	25 ft [d]		
Slopes greater than 3:1	10 ft	18 ft	25 ft	N/A	N/A	N/A		
No full basement [e.g. slab, frost wall, columns]	15 ft	30 ft	40 ft	8 ft	14 ft	20 ft	7'	
Full basement [below grade foundation]	20 ft	30 ft	40 ft	8 ft	14 ft	20 ft		
Property lines	10 ft [b]	18 ft [b]]	20 ft [b]	10 ft [b]	15 ft [b]	20 ft [b]	Inside row	
Burial sites or graveyards, measured from the down toe of the fill extension	25 ft	25 ft	25 ft	25 ft	25 ft	25 ft		

OTHER

1. Fill extension Grade - to 3:1
2. _____
3. _____

Footnotes: (a.) Private Potable water supply setbacks may be reduced as prescribed in Chapter 7.
 (b.) Additional setbacks may be needed to prevent fill material extensions from encroaching onto abutting property.
 (c.) Additional setbacks may be required by local Shoreland Zoning.
 (d.) Natural Resources Protection Act requires a 25 foot setback on slopes with less than 20% from the edge of soil disturbance and 100 feet on slopes greater than 20%. See Chapter 15.
 (e.) May not be closer to a private potable water supply than the existing disposal field or septic tank. This setback may be reduced for single family homes with Department Approval. See Section 702.3.
 (f.) The fill extension shall reach the existing ground before the 3:1 slope or within 100 feet of the disposal field.
 (g.) See Section 1402.8 for special procedures when these minimum setbacks cannot be achieved.

Kane P. Coffin

SITE EVALUATOR'S SIGNATURE

July 21, 2010
DATE

FOR USE BY THE DEPARTMENT ONLY

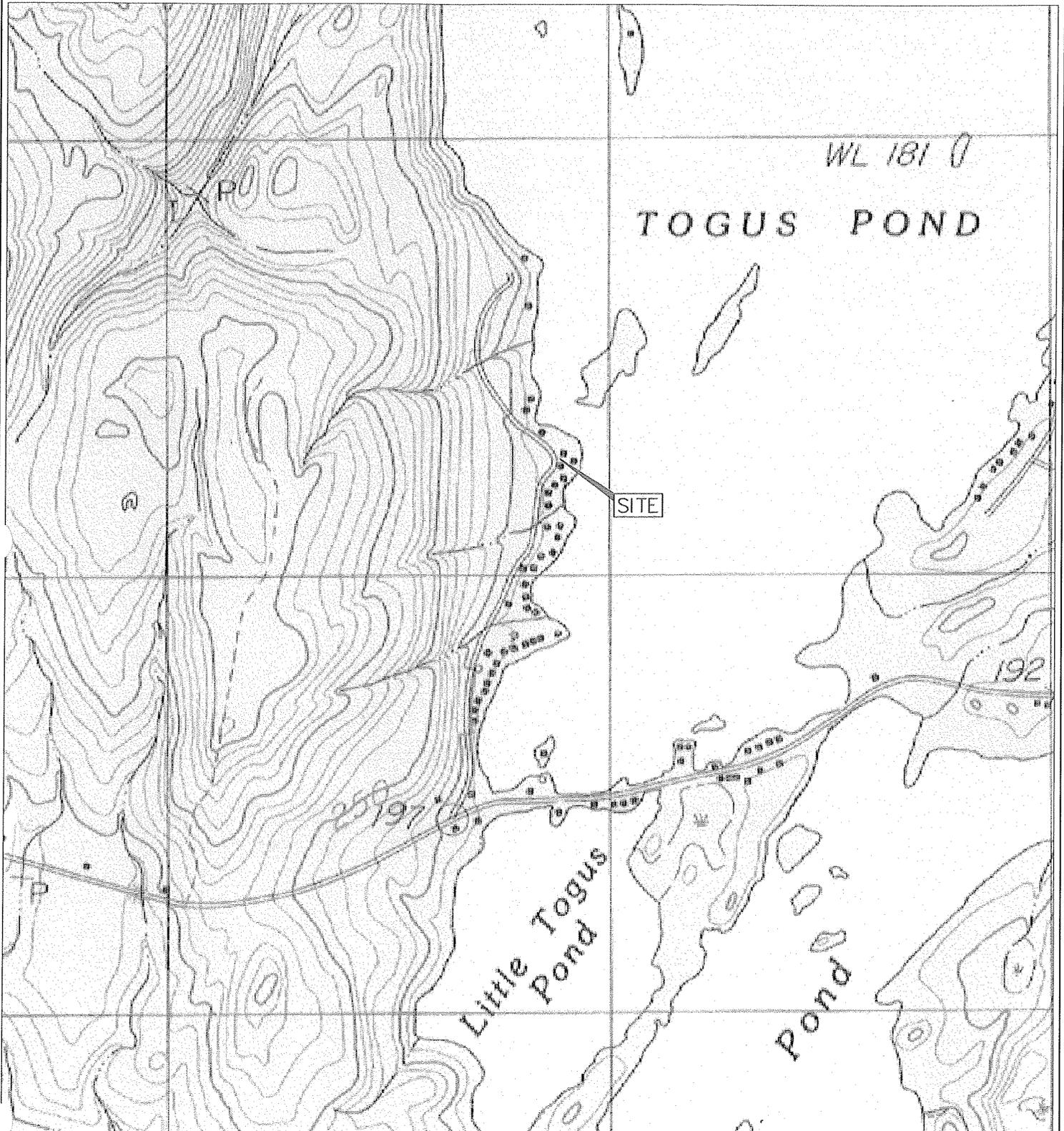
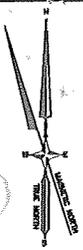
The Department has reviewed the variance(s) and does, does not, give its approval. Any additional requirements, recommendations, or reasons for the Variance denial, are given in the attached letter.

SIGNATURE OF THE DEPARTMENT

DATE

SITE LOCATION MAP

SCALE 1" = 1000'



HHE-200

ENGINEERING
E.S. COFFIN
 SURVEYING
 O 2009
 E.S. COFFIN ENGINEERING & SURVEYING, INC.
 432 Cory Road, P.O. Box 4887, Augusta, Maine 04330
 Ph: (207) 625-9475 Fax: (207) 623-0016 1-877-158-9244-9475

CLIENT/PROJECT:

**Philip Doyon
 SEPTIC SYSTEM DESIGN**

SHEET TITLE:

SITE LOCATION MAP

LOCATION: 1107 Tasker Road

SCALE: AS SHOWN

TOWN: AUGUSTA

COUNTY: KENNEBEC STATE: MAINE

DATE: JULY 21, 2010

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

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

Town, City, Plantation
 Augusta

Street, Road, Subdivision
 1107 Tasker Road

Owner's Name
 Philip Doyon

SITE PLAN

Scale: 1" = ___ feet

TEXTURE TERMS

Sand
 Loamy sand
 Sandy loam
 Loam
 Silt loam
 Silty clay loam
 Silty clay
 Bedrock

TEXTURE

ABUNDANCE
 Very-36-60%
 Extremely-61-90%

MODIFIER TERMS

VF-very fine
 F-fine
 M-medium
 C-course

ROCK
 Gravely-0.1-3"
 Cobbly-3-10"
 Stony-+10"

MOTTLING

CONTRAST
 Faint
 Distinct
 Prominent

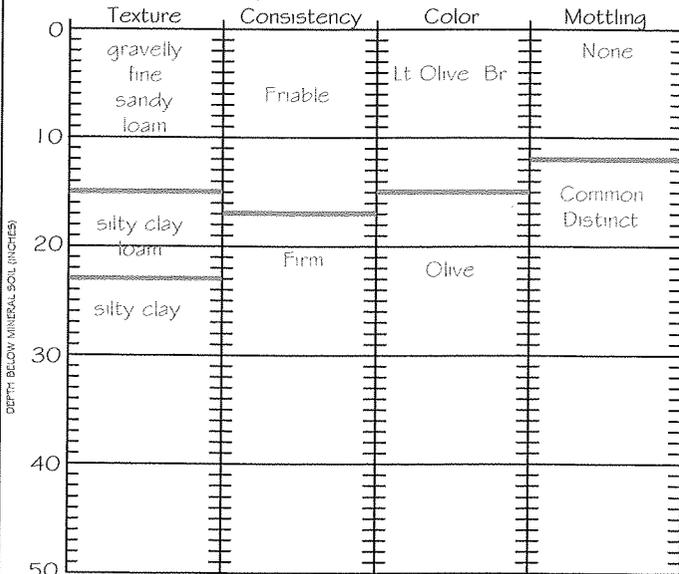
ABUNDANCE
 None
 Few-<2%
 Common-2-20%
 Many->20%

CONSISTENCE

TERMS
 Loose
 Friable
 Firm
 Very Firm
 Cemented

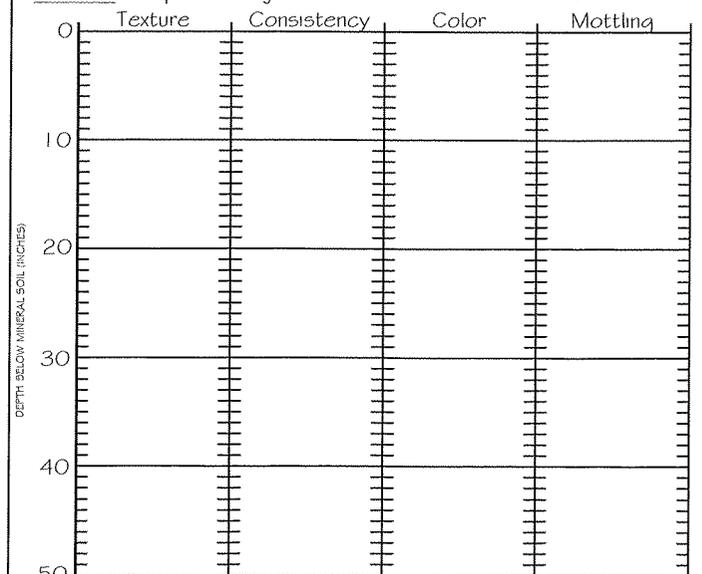
SOIL DESCRIPTION AND CLASSIFICATION

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



Soil Classification <u>7 D</u> Profile Condition	Slope <u>7</u> %	Limiting Factor <u>12</u> "	<input checked="" type="checkbox"/> Ground Water <input type="checkbox"/> Restrictive Layer <input type="checkbox"/> Bedrock <input type="checkbox"/> Pit Depth
--	---------------------	--------------------------------	--

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



Soil Classification _____ Profile Condition	Slope _____%	Limiting Factor _____"	<input 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: 07/21/10

HHE-200

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

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

Town, City, Plantation
Augusta

Street, Road, Subdivision
1107 Tasker Road

Owner's Name
Philip Doyon

ELEVATION REFERENCE POINT:

DESCRIPTION: ELEVATION: 00"

Horizontal 50d spike
 in 16" Maple Tree
 (26" above ground)

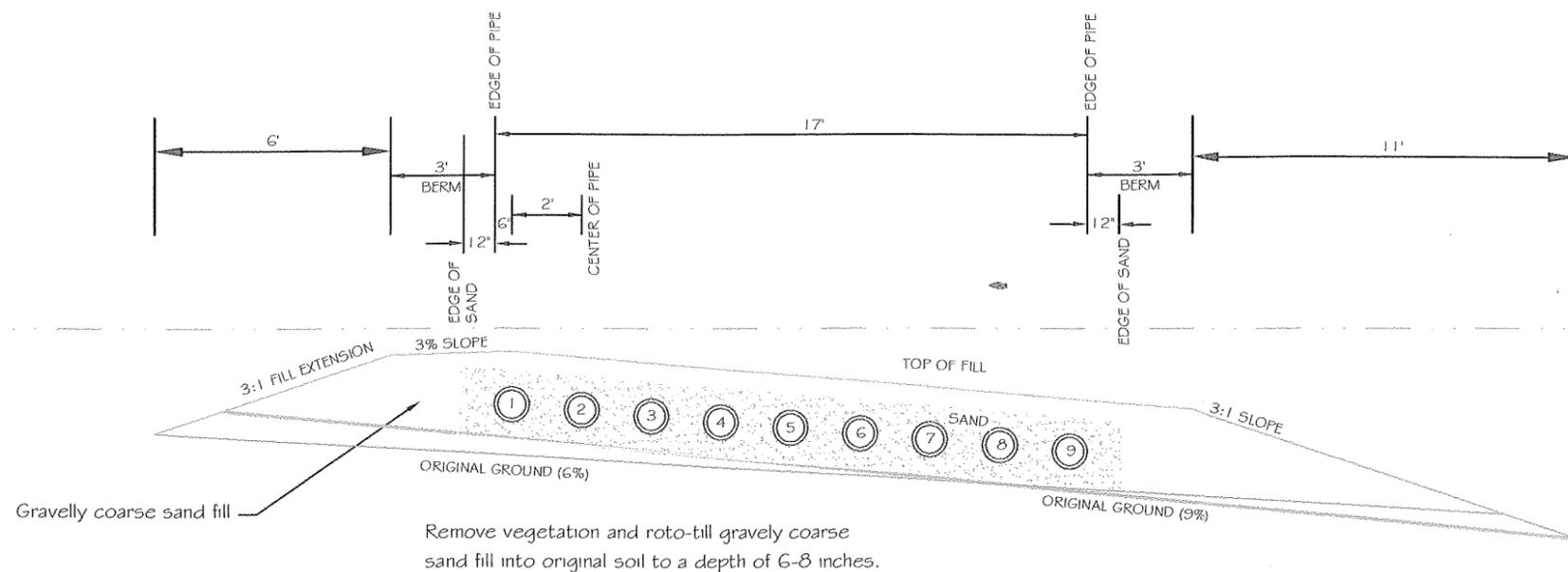
DISPOSAL AREA CROSS SECTION

SCALE:

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

INSTALL 9 LINES OF ENVIRO-SEPTIC
 PIPE (20' LONG), 2' CENTER-TO-CENTER

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.



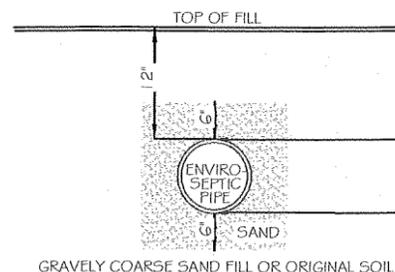
E.R.P. EL=00"

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

- ### DISPOSAL FIELD CONSTRUCTION TECHNIQUES
1. VEGETATION SHALL BE CUT AND REMOVED FROM THE AREA WHERE BACKFILL MATERIAL IS TO BE PLACED.
 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.
 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 AND LINES MAY BE RELOCATED TO A MORE FEASIBLE LOCATION AS LONG AS SETBACKS AND INTENT OF DESIGN IS 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.

ELEVATIONS:

ROW 1	ROW 2	ROW 3	ROW 4	ROW 5	ROW 6	ROW 7	ROW 8	ROW 9
-08"	-10"	-12"	-14"	-16"	-18"	-20"	-22"	-24"
-20"	-22"	-24"	-26"	-28"	-30"	-32"	-34"	-36"
-32"	-34"	-36"	-38"	-40"	-42"	-44"	-46"	-48"



DETAIL (no scale)

FILL REQUIREMENTS
 Depth of Fill (Upslope) 30-36"
 Depth of Fill (Downslope) 30-31"

CONSTRUCTION ELEVATIONS
 Finished Grade Elevation 00
 Top of Distribution Pipe or Proprietary Device 00
 Bottom of Disposal Area 00

SHEET TITLE: CROSS-SECTIONAL VIEW
SCALE: 1" = 5'
DATE: JULY 21, 2010

PROJECT: PHILIP DOYON
LOCATION: 1107 TASKER ROAD
TOWN: AUGUSTA
COUNTY: KENNEBEC
STATE: MAINE

GEORGE BIRD
 PO BOX 467
 AUGUSTA, ME
 04302-0467
 1-800-444-9475

SEN LINDEN STREET
 PO BOX 181
 CAMDEN, ME
 04845-0181
 1-800-852-4366

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 COFFIN ENGINEERING & SURVEYING, INC.
 © 2010

PROJ. NO. 2010-104

Site Evaluator's Signature

Kane P. Coffin

SE # 331

Date: 07/21/10

HHE-200

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

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

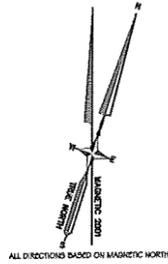
Town, City, Plantation
Augusta

Street, Road, Subdivision
1107 Tasker Road

Owner's Name
Philip Doyon

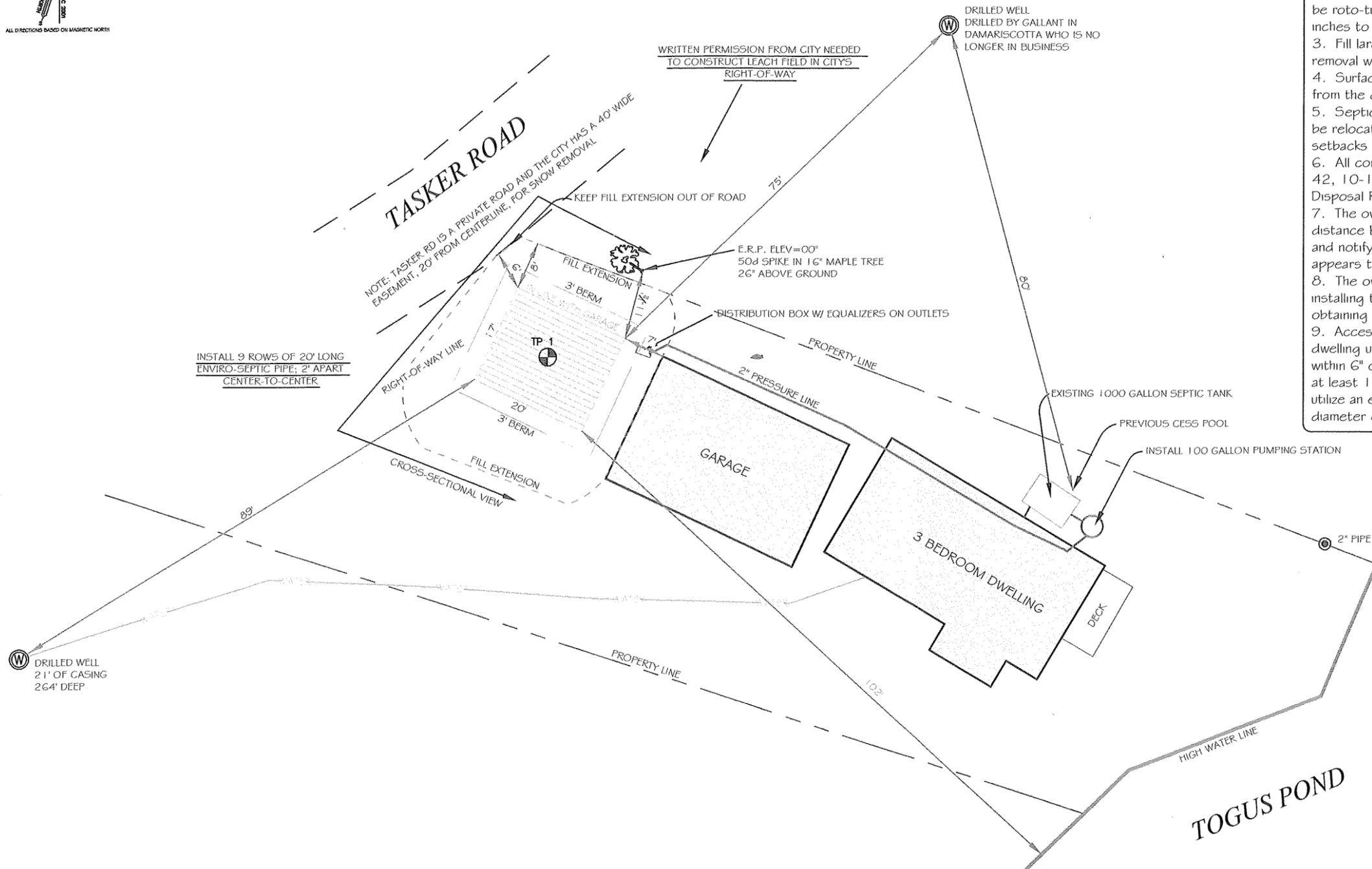
SUBSURFACE WASTEWATER DISPOSAL PLAN

SCALE: 1" = 20'



DISPOSAL FIELD CONSTRUCTION TECHNIQUES

1. Vegetation shall be cut and removed from the area where backfill material is to be placed.
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.
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 accommodated 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.



ELEVATION REFERENCE POINT

ELEVATION: 00'

DESCRIPTION:
 50d spike in 1 1/2" Maple Tree
 (26" above ground)

SHEET TITLE: PLAN VIEW

SCALE: 1" = 20'

DATE: JULY 21, 2010

PROJECT: PHILIP DOYON

LOCATION: 1107 TASKER ROAD

TOWN: AUGUSTA COUNTY: KENNEBEC STATE: MAINE



PROJ. NO. 2010-104

Site Evaluator's Signature

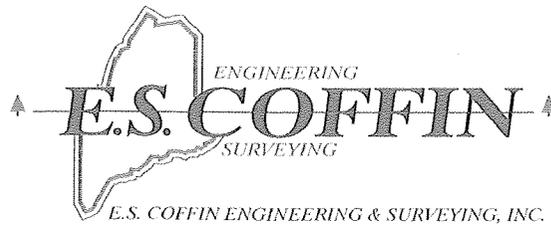
Kane P. Coffin

SE # 331

Date: 07/21/10

HHE-200

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



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

July 21, 2010

Project No. 2010-104

ADDENDUM TO THE HHE-200 FORM

Philip Doyon
1107 Tasker Road
Augusta, Maine

Dated: July 21, 2010

The proposed leach field (9 rows of 20 feet long Enviro-Septic Pipe, spaced 2 feet apart) is within the 40-foot wide snow plow easement the City of Augusta has along Tasker Road. The site chosen for the leachfield is in the best and only location for the site limitations on this parcel.

City Council approval needed:

Please submit a request to the City Council, in reference to Philip Doyon's replacement septic system, for obtaining approval to impact the 40-foot wide snow plow easement (20 feet from the centerline of the existing travel way) for the installation, operation, and maintenance of a leach field as shown on the attached subsurface wastewater disposal plan. We acknowledge the city will not be liable for damages caused to the leach field from snow plowing.

Respectfully submitted,

Kane P. Coffin

Kane P. Coffin, SE 331

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

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

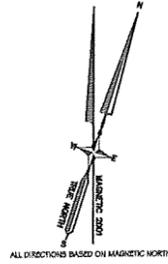
Town, City, Plantation
Augusta

Street, Road, Subdivision
1107 Tasker Road

Owner's Name
Philip Doyon

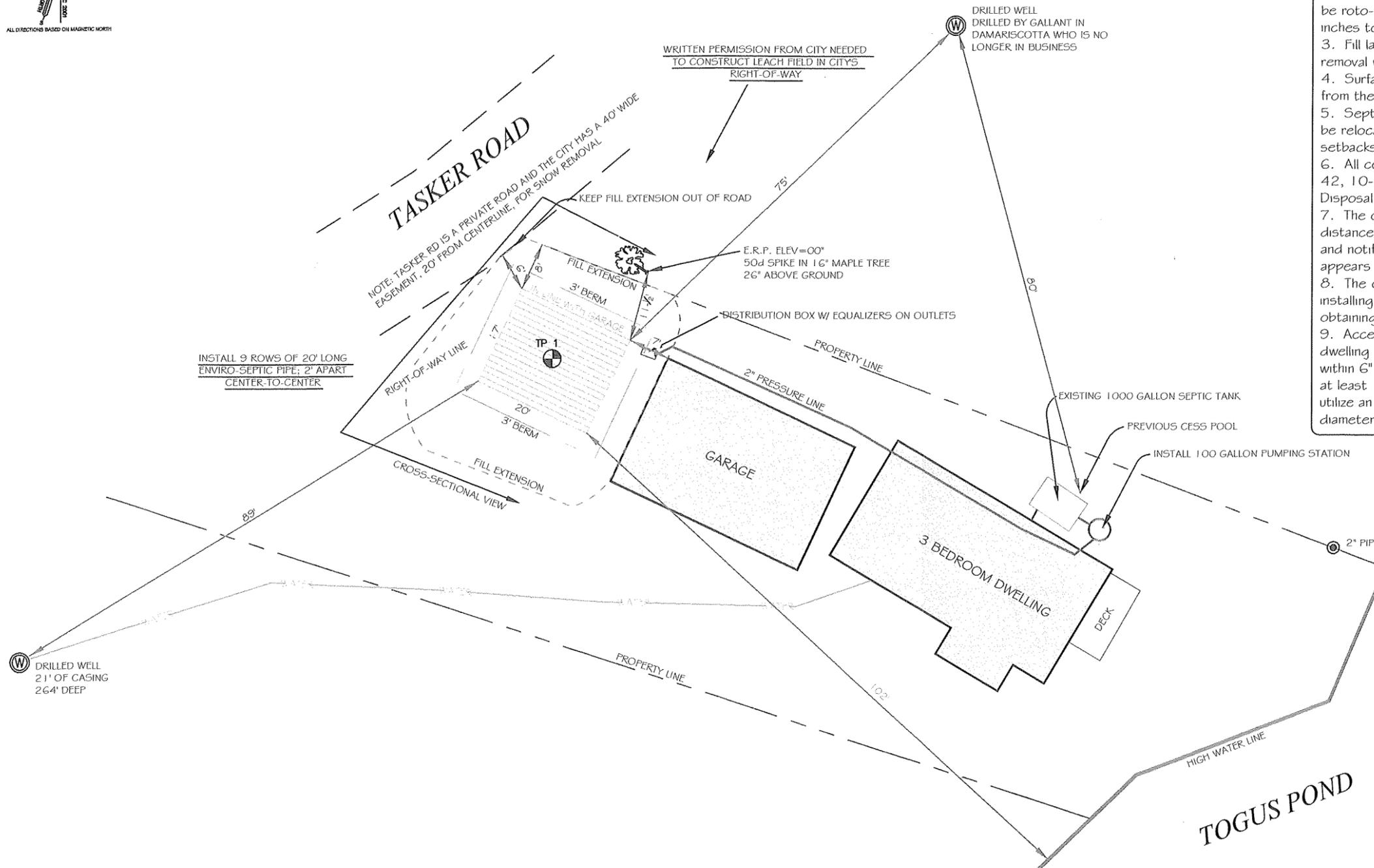
SUBSURFACE WASTEWATER DISPOSAL PLAN

SCALE: 1" = 20'



DISPOSAL FIELD CONSTRUCTION TECHNIQUES

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ELEVATION REFERENCE POINT
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 50d spike in 1 1/2" Maple Tree
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 ELEVATION: 00'

SHEET TITLE: PLAN VIEW
 SCALE: 1" = 20'
 DATE: JULY 21, 2010

PROJECT: PHILIP DOYON
 LOCATION: 1107 TASKER ROAD
 TOWN: AUGUSTA COUNTY: KENNEBEC STATE: MAINE



Site Evaluator's Signature

Kane P. Coffin

SE # 331

Date: 07/21/10

PROJ. NO. 2010-104
 HHE-200



THE CITY OF AUGUSTA

ROGER J. KATZ, MAYOR

CITY COUNCIL

MICHAEL G. BYRON
EDWARD S. COFFIN
DAREK M. GRANT
CECIL E. MUNSON

MARK S. O'BRIEN
PATRICK E. PARADIS
DAVID M. ROLLINS
WILLIAM R. STOKES

WILLIAM R. BRIDGEO
CITY MANAGER

July 21, 2010

Philip Doyon
1107 Tasker Road
Augusta, Maine 04330

RE: Letter of No Objection giving Philip Doyon authorization for the construction, operation, replacement, and maintenance of a replacement septic system at 1107 Tasker Road, Tax Map 66, Lot 2 here in Augusta, Maine.

Dear Mr. Doyon:

We have reviewed a letter of Addendum to the HHE-200 Form prepared for you by Kane P. Coffin, SE 331 for the replacement of your septic system at 1107 Tasker Road.

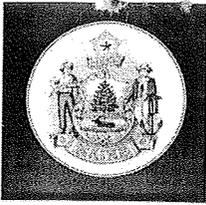
We have also reviewed the current Maine Subsurface Waste Water Disposal Rules, 10-144 CMR 241, subsection 400.7 Location of the System: (2) Public property:

In review of your request as submitted :

The City has no objection with the construction, operation, replacement, and maintenance of the system as submitted .

Sincerely,

Ralph St. Pierre
Acting City Manager



Maine Center for Disease
Control and Prevention

An Office of the
Department of Health and Human Services

John E. Baldacci, Governor

Brenda M. Harvey, Commissioner

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) 287-3165
TTY: 1-800-606-0215

July 28, 2010

George Soucy
City of Augusta
16 Cony Street
Augusta, Maine 04330

Subject: Approval, Replacement System Variance Request, Doyon Property, 1107 Tasker Road, Augusta, Maine, 04330. Mailing Address Of: Philip Doyon, 1105 Tasker Road, Augusta, Maine, 04330.

George:

We have completed our review of an HHE-200 Form dated 07-21-10 for the property at 1107 Tasker Road, Augusta, Maine.

The variance requested which is not within the LPI's authority is from a potable water supply to the disposal field of 75 feet and to another potable water supply to the disposal field of 89 feet in which both setbacks are closer than the existing disposal field.

The variances requested that is within the LPI's authority is from the septic tank to the potable water supply of 80 feet, from the disposal field to the no full basement of 7 feet and from the disposal field to the property line of 6 feet.

We approve the setback distances to both potable water supplies. The potable water supply which has a setback distance of 75 feet is located up hill from the disposal system and the potable water supply with a setback distance of 89 feet is not located directly in line with the down slope of the disposal field and also has an existing compacted driveway between the disposal field and that potable water supply.

A letter of no objection has been issued by the City of Augusta concerning the encroachment of the fill extension into the right of way for Tasker Road.

The variance request has been submitted because topography and existing development limit the potential of the system location and the system design prepared by Kane Coffin, SE# 331 is otherwise found to be in compliance with the Maine Subsurface Wastewater Disposal Rules.

1. A permit for system installation is to be obtained from the Local Plumbing Inspector in advance of the start of system construction.
2. The system is to be installed in accordance with the submitted and approved system design. Should alterations to the design be required at the time of construction, the site evaluator is to be notified prior to making any changes.

3. The contractor is to scarify the soils under the fill extensions to create a transitional zone more compatible with the disposal field area.

By accepting this approval and the associated plumbing permit, the owner agrees to comply fully with the conditions of approval and the Subsurface Wastewater Rules.

Because installation and owner maintenance has a significant effect on the working order of onsite sewage disposal systems, including their components, the Division makes no representation or guarantee as to the efficiency and/or operation of the system.

Should you or others have any questions, please feel free to contact me at 592-7376.

Sincerely,



Brent Lawson, State Plumbing Inspector
Subsurface Wastewater Program
Division of Environmental Health
e-mail: brent.lawson@maine.gov

/BML

xc: File
Philip Doyon, Owner
Kane Coffin, SE

Replacement System Variance Request

VARIANCE CATEGORY							VARIANCE REQUESTED TO.	
SOILS								
Soil Profile	Ground Water Table						12"	inches
Soil Condition	Restrictive Layer							inches
from HHE-200	Bedrock							inches
SETBACK DISTANCES (in feet)	Disposal Fields			Septic Tanks			Disposal Fields	Septic Tanks
From	Less than 1000 gpd	1000 to 2000 gpd	Over 2000 gpd	Less than 1000 gpd	1000 to 2000 gpd	Over 2000 gpd	To	To
Wells with water usage of 2000 or more gpd or public water supply wells	300 ft	300 ft [a]	300 ft [a]	150 ft [a]	150 ft [a]	150 ft [a]		
Private Potable Water Supply	100 ft (a)	200 ft	300 ft	50 ft	100 ft	100 ft	75' & 89'	80'
Water supply line	10 ft [a]	20 ft	25 ft [g]	10 ft	10 ft	10 ft [g]		
Water course, major	100 ft (c)	200 ft (c)	300 ft (c)	100 ft	100 ft	100ft		
Water course, minor	50 ft (d)	100 ft (d)	150 ft (d)	50 ft (d)	50 ft (d)	50 ft (d)		
Drainage ditches	25 ft	50 ft	75 ft	25 ft	25 ft	25 ft		
Edge of fill extension – Coastal wetlands, special freshwater wetlands, great ponds, rivers, streams	25 ft [d]	25 ft [d]	25 ft [d]	25 ft [d]	25 ft [d]	25 ft [d]		
Slopes greater than 3:1	10 ft	18 ft	25 ft	N/A	N/A	N/A		
No full basement [e.g. slab, frost wall, columns]	15 ft	30 ft	40 ft	8 ft	14 ft	20 ft	7'	
Full basement [below grade foundation]	20 ft	30 ft	40 ft	8 ft	14 ft	20 ft		
Property lines	10 ft [b]	18 ft [b]]	20 ft [b]	10 ft [b]	15 ft [b]	20 ft [b]	Inside row	
Burial sites or graveyards, measured from the down toe of the fill extension	25 ft	25 ft	25 ft	25 ft	25 ft	25 ft		

OTHER

1. Fill extension Grade - to 3:1

2. _____

3. _____

- Footnotes: (a.) Private Potable water supply setbacks may be reduced as prescribed in Chapter 7.
 (b.) Additional setbacks may be needed to prevent fill material extensions from encroaching onto abutting property.
 (c.) Additional setbacks may be required by local Shoreland Zoning.
 (d.) Natural Resources Protection Act requires a 25 foot setback on slopes with less than 20% from the edge of soil disturbance and 100 feet on slopes greater than 20%. See Chapter 15.
 (e.) May not be closer to a private potable water supply than the existing disposal field or septic tank. This setback may be reduced for single family homes with Department Approval. See Section 702.3.
 (f.) The fill extension shall reach the existing ground before the 3:1 slope or within 100 feet of the disposal field.
 (g.) See Section 1402.8 for special procedures when these minimum setbacks cannot be achieved.

Kane P. Coffin

SITE EVALUATOR'S SIGNATURE

July 21, 2010
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.

Brian Hanson
SIGNATURE OF THE DEPARTMENT

7/28/10
DATE

3 1 84

\$125.00 Plumb
Permit.
Field \$75.00
Pump & Draw \$30.00 Subsurface,
Variance 20.00
\$125.00
+

\$15.00 Treasurer of
State.

\$140.00