SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

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

PROPERTY LOCATION

City, Town, or Plantation	Augusta
Street or Road	869 Eastern Avenue
Subdivision, Lot #	

>> Caution: Permit Required - Attach in Space Below <<

>> CAUTION: LPI APPROVAL REQUIRED <<

Town/City Augusta Permit # 6655

Date Permit Issued 4/12/12 Fee: $250.00 15.00 Double Fee Charged [ ]

Local Plumbing Inspector Signature L.P.I. # 850

Map 15 Lot 7-13

The Internal Plumbing Fixtures and Piping shall not be installed until a Permit is issued by the Local Plumbing Inspector. The Permit shall authorize the owner or installer to install the plumbing system in accordance with this application and the Maine Internal Plumbing Rules.

CAUTION: INSPECTION REQUIRED

I have inspected the installation authorized above and found it to be in compliance with the Maine Plumbing Rules.

Local Plumbing Inspector Signature

Date Approved (Rough-In)

Date Approved (Final) 5/21/12

OWNER/APPLICANT INFORMATION

Name (last, first, MI)	Stevens, Gerald ☒ Owner ☐ Applicant
Mailing Address of Owner/Applicant	106 Eldridge Road Wells, ME 04090
Daytime Tel. #	(207) 468-0184

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 application and understand that any falsification is reason for the Department and/or Local Plumbing Inspector to deny a Permit.

Signature of Owner/Applicant Date 5/2/12

PERMIT INFORMATION

TYPE OF APPLICATION

1. ☒ First Time System
2. ☐ Replacement System

Type Replaced: _____

Year Installed: _____

3. ☐ Expanded System
   a. ☐ Minor Expansion
   b. ☐ Major Expansion
4. ☐ Experimental System
5. ☐ Seasonal Conversion

THIS APPLICATION REQUIRES

1. ☒ No Rule Variance
2. ☐ First Time System Variance
   a. ☐ Local Plumbing Inspector Approval
   b. ☐ State & Local Plumbing Inspector Approval
3. Replacement System Variance
   a. ☐ Local Plumbing Inspector approval
   b. ☐ State & Local Plumbing Inspector approval
5. ☐ Minimum Lot Size Variance
6. ☐ Seasonal Conversion Variance

DISPOSAL SYSTEM COMPONENT(S)

1. ☒ Complete non-Engineered System
2. ☐ Primitive System (graywater & alt toilet
3. ☐ Alternative Toilet, specify: _____
4. ☐ Non-Engineered Disposal Area
5. ☐ Holding Tank, _____gallons
6. ☐ Non-Engineered Disposal Field (only)
7. ☐ Separated Laundry System
8. ☐ Complete Engineered System (+2000 gpd)
9. ☐ Engineered Treatment Tank (only)
10. ☐ Engineered Disposal Field (only)
11. ☒ Pre-treatment, specify: outlet filter on tank
12. ☐ Miscellaneous components

SIZE OF PROPERTY

☐ sq. ft.
10 ☒ acres

DISPOSAL SYSTEM TO SERVE:

1. ☒ Single Family Dwelling Unit, No. of Bedrooms: 2
2. ☐ Multiple Family Dwelling, No. of Units: _____
3. ☐ Other: _____ Specify

Current Use ☐ Seasonal ☒ Year Round ☐ Undeveloped

SHORELAND ZONING

☐ Yes ☒ No

TYPE OF WATER SUPPLY

1. ☒ Drilled Well 2. ☐ Dug Well 3. ☐ Private
4. ☐ Public 5. ☐ Other: _____

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

TREATMENT TANK

1. ☒ Concrete
   ☒ Regular
   ☐ Low Profile
2. ☐ Plastic
3. ☐ Other: _____

CAPACITY: **1000** Gallons

DISPOSAL AREA TYPE/SIZE

1. ☒ Stone Bed 2. ☐ Stone Trench
3. ☐ Proprietary Device
   ☐ Cluster array ☐ Linear
   ☐ Regular load ☐ H-20 load
4. ☐ Other: _____

SIZE: 594 ☒ sq. ft. ☐ lin. ft.

GARBAGE DISPOSAL UNIT

1. ☒ No 2. ☐ Yes 3. ☐ Maybe

If Yes or Maybe, specify one below:

☐ Multi-compartment tank
☐ ____Tanks in series
☐ Increase in tank capacity
☐ Filter on tank outlet

DESIGN FLOW

180 gallons per day BASED ON:

1. ☒ Table 501.1 (dwelling unit(s)
2. ☐ Table 501.2 (other facilities)

SHOW CALCULATIONS for other facilities

3. ☐ Section 503.0 (meter read.)

SOIL DATA & DESIGN CLASS

PROFILE CONDITION DESIGN

3 / D / 3D

at Observation Hole # TP 1

Depth: 13"

OF MOST LIMITING SOIL FACTOR

DISPOSAL FIELD SIZING

1. ☐ Small 2.0 sq. ft./gpd.
2. ☐ Medium 2.6 sq. ft./gpd.
3. ☒ Medium Large 3.3 sq. ft/gpd
4. ☐ Large 4.1 sq. ft./gpd.
5. ☐ Extra-Large 5.0 sq. ft./gpd.

EFFLUENT/EJECTOR PUMP

1. ☐ Not required
2. ☒ May be required
3. ☐ Required >> Specify only for engineered systems

Dose _____ Gallons

LATITUDE AND LONGITUDE

at center of disposal area

Lat. N 044 d 17 m 11.25 s

Lon. W 069 d 41 m 48.36 s

If g.p.s., state margin of error: _____

SITE EVALUATOR COMMENTS

System-15' by 40' stone bed for proposed 2 bedroom dwelling

SITE EVALUATOR STATEMENT

I Certify that on April 6, 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.

Kane P. Coffin, an agent of E.S. Coffin Engineering & Surveying, Inc.

SE #331 Licensed Site Evaluator

April 8, 2008 Date

E.S. Coffin Engineering & Surveying, Inc.
432 Cony Road P.O. Box 4687
Augusta, Maine 04330-1687

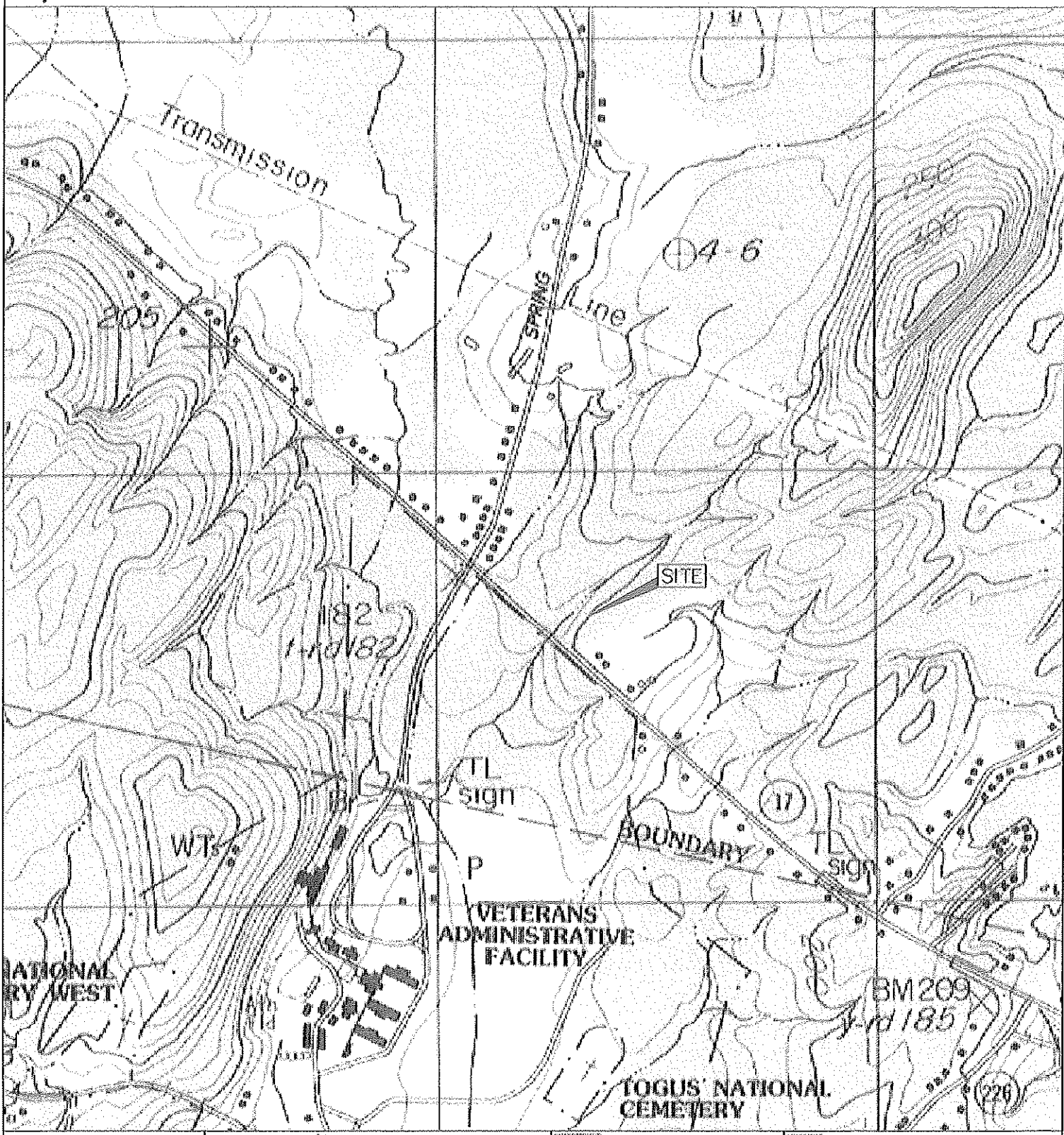
(207) 623-9475 or 1-800-244-9475

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

SITE LOCATION MAP

SCALE 1" = 1000'



HHE-200

E.S. COFFIN ENGINEERING SURVEYING

E.S. COFFIN ENGINEERING & SURVEYING, INC.

432 Cony Road P.O. Box 4587 Augusta, Maine 04330
Ph. (207) 623-9375 Fax (207) 623-0016 Toll Free 1-800-244-9478

CLIENT/PROJECT: **GERALD STEVENS**
SEPTIC SYSTEM DESIGN

LOCATION: EASTERN AVENUE

TOWN: AUGUSTA COUNTY: KENNEBEC STATE: MAINE

SHEET TITLE: **SITE LOCATION MAP**

SCALE: AS SHOWN

DATE: APRIL 08, 2010

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

Town, City, Plantation	Street, Road, Subdivision	Owner's Name
Augusta	Eastern Avenue	Gerald Stevens

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

Depth (inches)	Texture	Consistency	Color	Mottling
0	fine sandy loam	Friable	Dk Brown	None
			Lt Olive Br	
			Dk Yel Brown	
10			Lt Olive Br	
	very fine sandy loam		Olive Br	Common Distinct
20		Firm	Olive	
30				
40				
50				

Soil Classification	Slope	Limiting Factor	
3 Profile / D Condition	5 %	13 "	■ Ground Water ☐ Restrictive Layer ☐ Bedrock ☐ Pit Depth

Observation Hole TP 2 ■ Test Pit ☐ Boring

2 " Depth of Organic Horizon Above Mineral Soil

Depth (inches)	Texture	Consistency	Color	Mottling
0	fine sandy loam	Friable	Dk Brown	None
			Dk Yel Brown	
10			Yel Brown	
			Lt Olive Br	
20			Olive	
	very fine sandy loam	Firm		Common Distinct
30				
40				
50				

Soil Classification	Slope	Limiting Factor	
3 Profile / C Condition	7 %	15 "	■ Ground Water ☐ Restrictive Layer ☐ Bedrock ☐ Pit Depth

Site Evaluator's Signature Karen P. Coffin SE # 331 Date: 04/08/10 HHE-200

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Department of Human Services
Division of Health Engineering

Town, City, Plantation	Street, Road, Subdivision	Owner's Name
Augusta	**Eastern Avenue**	**Gerald Stevens**

FILL REQUIREMENTS

Depth of Fill (Upslope)	27–30"
Depth of Fill (Downslope)	34–42"

CONSTRUCTION ELEVATIONS

Reference Elevation is	00"
Bottom of Disposal Area	–29"
Top of distribution lines	–18"

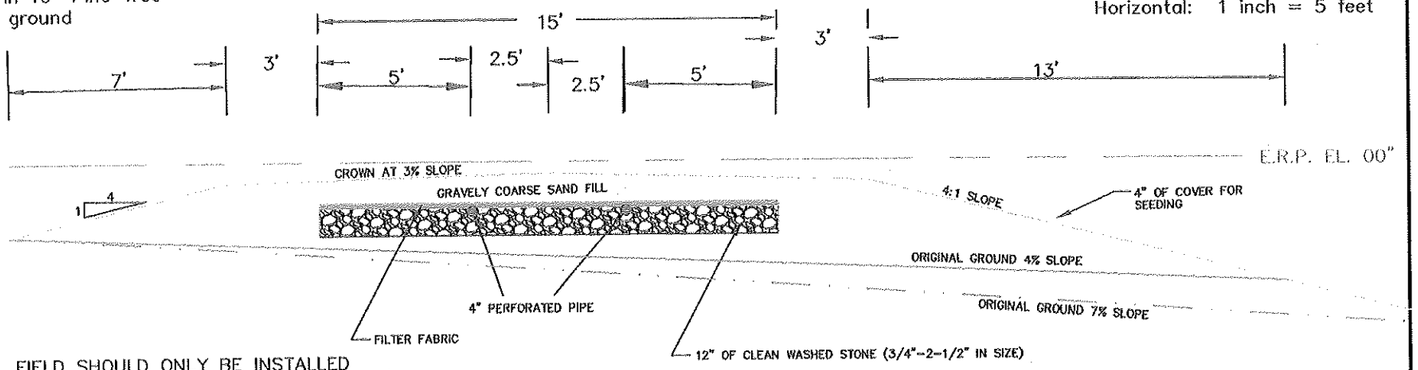
ELEV. REF. PT:

50d Spike in 16" Pine Tree
36" above ground

DISPOSAL AREA CROSS SECTION

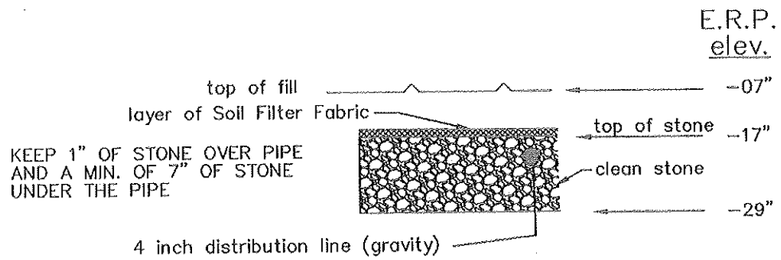
SCALE:

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



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 GRAVELY COARSE SAND INTO ORIGINAL GROUND TO A DEPTH OF 6–8 INCHES.



STONE BED (no scale)

INSTALL 15' BY 40' STONE BED

Site Evaluator's Signature Karen P. Coffin SE # **331** Date: **04/08/10** **HHE–200**

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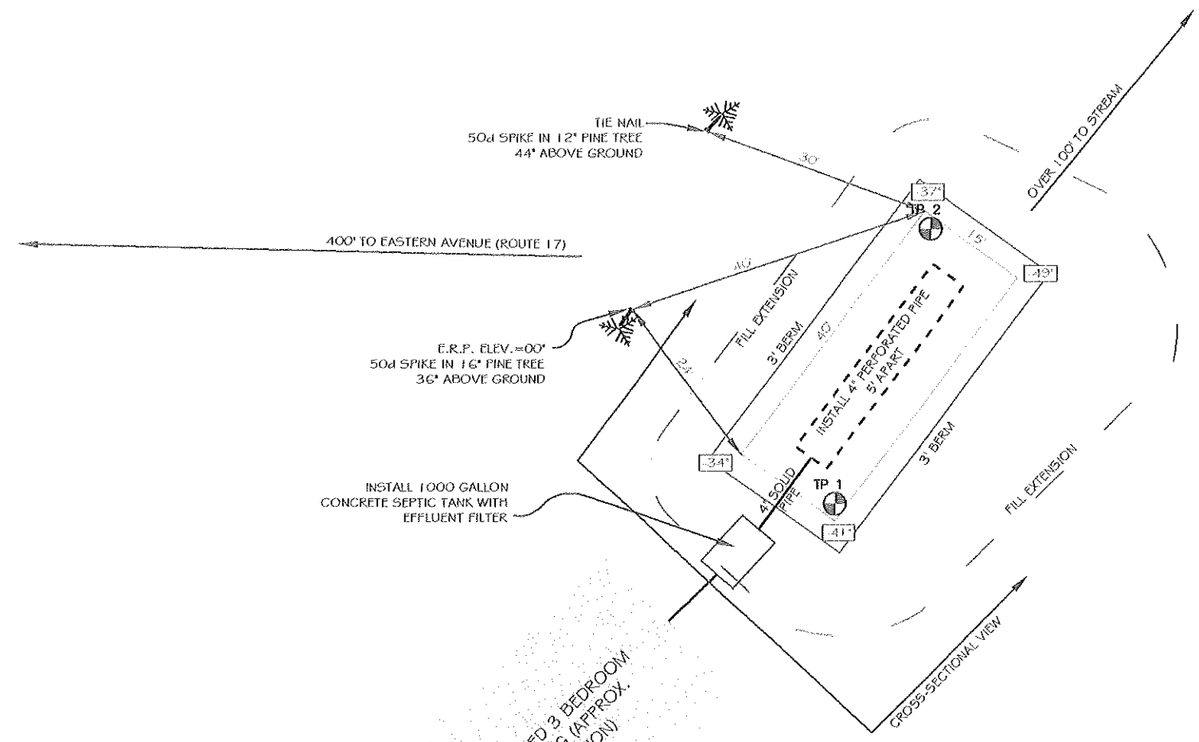
SUBSURFACE WASTEWATER DISPOSAL PLAN

SCALE: 1" = 20'

ALL DIRECTIONS BASED ON MAGNETIC NORTH



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
DESCRIPTION: 50d Spike in 16" Pine Tree (36" above ground)
ELEVATION: 00"

SHEET TITLE: PLAN VIEW
PROJECT: GERALD STEVENS
LOCATION: EASTERN AVENUE
TOWN: AUGUSTA COUNTY: KENNEBEC STATE: MAINE
SCALE: 1" = 20'
DATE: APRIL 8, 2010

E.S. COFFIN ENGINEERING & SURVEYING, INC.
432 Civic Road P.O. Box 4567 Augusta, Maine 04330
Ph. (207) 623-8475 Fax (207) 623-8916 Toll Free 1-800-244-8475

PROJ. NO. 2010-068

HHE-200

Site Evaluator's Signature Kane P. Coffin SE # 331 Date: 04/08/10