

**SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION**

Maine Dept Health & Human Services  
Div of Environmental Health, 11 SHS  
(207) 287-5672 Fax: (207) 287-4172

**PROPERTY LOCATION**

City, Town, Plantation: **AUGUSTA**  
 Street or Road: **11 LONE INDIAN TRAIL**  
 Subdivision, Lot #: \_\_\_\_\_  
**OWNER/APPLICANT INFORMATION**  
 Name (last, first, MI): **POWELL-MARTIN MELISSA** Owner  Applicant   
 Mailing Address of Owner/Applicant: **126 NORTHERN AVE AUGUSTA ME 04330**  
 Daytime Tel. #: **207-242-0904**

AUGUSTA PERMIT #6703 TOWN COPY 15.00  
 Date Permit Issued: **9/11/12** \$ **250.00** fee

*Mary R. Yarnall* LPI # **850**

Municipal Tax Map # **4A** Lot # **63D**

**OWNER OR APPLICANT STATEMENT**  
 I state and acknowledge that the information submitted is correct to the best of my knowledge and understand that any falsification is reason for the Department and/or Local Plumbing Inspector to deny a Permit.  
*Melissa Powell Martin* 8/30/2012  
 Signature of Owner or 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 Application.  
*Mary R. Yarnall* 9/18/12  
 Local Plumbing Inspector Signature (1st) date approved  
 (2nd) date approved

**PERMIT INFORMATION**

<p><b>TYPE OF APPLICATION</b></p> <p><input checked="" type="checkbox"/> 1. First Time System                  2. Replacement System                  Type replaced: _____                  Year installed: _____</p> <p>3. Expanded System                  a. &lt;25% Expansion                  b. &gt;25% Expansion</p> <p>4. Experimental System</p> <p>5. Seasonal Conversion</p>	<p><b>THIS APPLICATION REQUIRES</b></p> <p><input checked="" type="checkbox"/> 1. No Rule Variance                  2. First Time System Variance                  a. Local Plumbing Inspector Approval                  b. State &amp; Local Plumbing Inspector Approval</p> <p>3. Replacement System Variance                  a. Local Plumbing Inspector Approval                  b. State &amp; Local Plumbing Inspector Approval</p> <p>4. Minimum Lot Size Variance</p> <p>5. Seasonal Conversion Permit</p>	<p><b>DISPOSAL SYSTEM COMPONENTS</b></p> <p><input checked="" type="checkbox"/> 1. Complete Non-engineered System                  2. Primitive System (graywater &amp; alt. toilet)                  3. Alternative Toilet, specify: _____                  4. Non-engineered Treatment Tank (only)                  5. Holding Tank, _____ gallons                  6. Non-engineered Disposal Field (only)                  7. Separated Laundry System                  8. Complete Engineered System (2000 gpd or more)                  9. Engineered Treatment Tank (only)                  10. Engineered Disposal Field (only)                  11. Pre-treatment, specify: _____                  12. Miscellaneous Components</p>
<p><b>SIZE OF PROPERTY</b></p> <p><b>0.66 AC</b> (80 FT ACRES)</p>	<p><b>DISPOSAL SYSTEM TO SERVE</b></p> <p><input checked="" type="checkbox"/> 1. Single Family Dwelling Unit, No. of Bedrooms: <b>2</b>                  2. Multiple Family Dwelling, No. of Units: _____  <b>APT OVER GARAGE</b>                  (specify)                  Current Use Seasonal Year Round <input checked="" type="checkbox"/> Undeveloped</p>	<p><b>PROPOSED TYPE OF WATER SUPPLY</b></p> <p><input checked="" type="checkbox"/> 1. Drilled Well 2. Dug Well 3. Private                  4. Public 5. Other _____</p>
<p><b>SHORELAND ZONING</b></p> <p>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>	<p><b>DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)</b></p>	

<p><b>TREATMENT TANK</b></p> <p><input checked="" type="checkbox"/> 1. Concrete WITH FILTER                  a. Regular                  b. Low Profile  <input checked="" type="checkbox"/> 2. Plastic                  3. Other: _____                  CAPACITY: <b>1000 GAL.</b></p>	<p><b>DISPOSAL FIELD TYPE &amp; SIZE</b></p> <p>1. Stone Bed 2. Stone Trench  <input checked="" type="checkbox"/> 3. Proprietary Device                  a. cluster array <input checked="" type="checkbox"/> c. Linear  <input checked="" type="checkbox"/> b. regular load d. H-20 load                  4. Other: _____                  SIZE: _____ sq. ft. lin. ft.</p>	<p><b>GARBAGE DISPOSAL UNIT</b></p> <p><input checked="" type="checkbox"/> 1. No 2. Yes 3. Maybe                  If Yes or Maybe, specify one below:                  a. multi-compartment tank                  b. _____ tanks in series                  c. increase in tank capacity                  d. Filter on Tank Outlet</p>	<p><b>DESIGN FLOW</b></p> <p><b>180</b> 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:  <b>APT = 180 GPD</b>                  Section 4C (meter read...)                  ATTACH WATER METER DATA</p>
<p><b>SOIL DATA &amp; DESIGN CLASS PROFILE CONDITION</b></p> <p><b>2-1 C</b>                  at Observation Hole # <b>TP1</b>                  Depth <b>24" +</b>                  of Most Limiting Soil Factor</p>	<p><b>DISPOSAL FIELD SIZING</b></p> <p><input type="checkbox"/> 1. Medium--2.6 sq. ft. / gpd  <input checked="" type="checkbox"/> 2. Medium--Large 3.3 sq. ft. / gpd  <input type="checkbox"/> 3. Large--4.1 sq. ft. / gpd  <input type="checkbox"/> 4. Extra Large--5.0 sq. ft. / gpd</p>	<p><b>EFFLUENT/EJECTOR PUMP</b></p> <p>1. Not Required <b>DEPENDS ON TANK ELEVATION</b>  <input checked="" type="checkbox"/> 2. May Be Required                  3. Required                  Specify only for engineered systems:                  DOSE: _____ gallons</p>	<p><b>LATITUDE AND LONGITUDE</b>                  at center of disposal area                  Lat. <b>44</b> d <b>20</b> m <b>7.9</b> s N                  Lon. <b>69</b> d <b>38</b> m <b>49.8</b> s W                  if g.p.s. state margin of error: <b>19'</b></p>

**SITE EVALUATOR STATEMENT**

I certify that on **7-23-12** (date) I completed a site evaluation on this property and state that the data reported are accurate and that the proposed system is in compliance with the State of Maine Subsurface Wastewater Disposal Rules (10-144A-CMR 241).

*David L Studer*

**275**

**8-27-12**

SE #

Date

DAVID L STUDER, LSE 275

93 SPRAGUE ROAD

WASHINGTON ME 04574

**207-845-2352**

Telephone Number

*irenic@midcoast.com*

E-mail Address

No **207-845-2352 irenic@midcoast.com**

could be confirmed with the Site Evaluator.

**URFACE WASTEWATER DISPOSAL SYSTEM APPLICATION**

Department of Human Services  
 Division of Health Engineering  
 (207) 287-5672 Fax: (207) 287-3165

City, Plantation

Street, Road, Subdivision

Owner's Name

AUGUSTA

LONE INDIAN TRAIL

MELISSA POWELL - MARTIN

SITE PLAN

Scale 1" = \_\_\_\_\_ ft. or as shown

SITE LOCATION PLAN  
 (map from Maine Atlas  
 recommended)

SEE ATTACHED

SEE ATTACHED

**CONSTRUCTION NOTES.**

1. LARGE ROCKS (6" PLUS) TO BE REMOVED WITHIN 24" OF DISPOSAL PIPE
2. MIN. OF 6" OF MEDIUM COARSE SAND (3" MINUS LESS THAN 5% FINES) ALL AROUND PIPE

GEOFLOW OR ENVIRO-SEPTIC PIPE  
 3 ROWS OF 45' = 135' LIN FE  
 18" BETWEEN ROWS  
 SERIAL DISTRIBUTION

**SOIL DESCRIPTION AND CLASSIFICATION (Location of Observation Holes Shown Above)**

Observation Hole TP-1  Test Pit  Boring  
0-1/2" Depth of Organic Horizon Above Mineral Soil

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

Texture	Consistency	Color	Mottling
LOAM		DK. BN	NONE
ROCKY GRAVELLY SANDY LOAM	FRIABLE ROOTS TO 18"	DK. YELLOW BN	OBSERVED
↓ ↓ ↓ ↓			
LIMIT OF INVESTIGATION			

Texture	Consistency	Color	Mottling

Soil Classification <u>2C</u>	Slope <u>8-10%</u>	Limiting Factor <u>24"</u>	<input type="checkbox"/> Ground Water <input type="checkbox"/> Resistive Layer <input type="checkbox"/> Bedrock <input checked="" type="checkbox"/> Pit Depth
Profile Condition			

Soil Classification	Slope _____%	Limiting Factor _____"	<input type="checkbox"/> Ground Water <input type="checkbox"/> Resistive Layer <input type="checkbox"/> Bedrock <input type="checkbox"/> Pit Depth
Profile Condition			

*D. Studer*

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Site Evaluator Signature

SE #

Date

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 Division of Health Engineering  
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Town, City, Plantation

Street, Road, Subdivision

Owner's Name

AUGUSTA

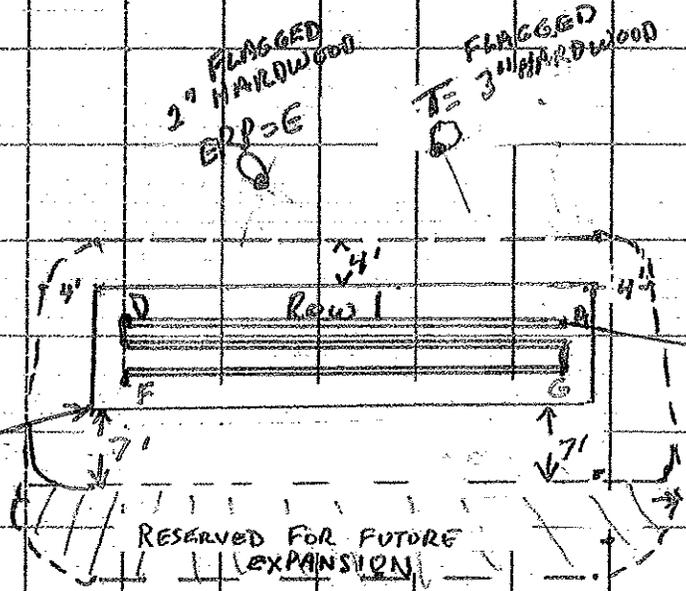
LONE INDIAN TRAIL

MELISSA POWELL-MARTIN

**SUBSURFACE WASTEWATER DISPOSAL PLAN**

SCALE: 1" = 20' FT.

TA = 21.25'  
 TD = 37.75'  
 EA = 34.5'  
 ED = 19.5'  
 ET = 20'  
 DF = 6'



APT OVER GARAGE

GEOFLOW OR ENVIRO-SEPTIC PIPE  
 18" BETWEEN ROWS  
 3 ROWS OF 45 FEET SERIAL DISTRIBUTION

ORIGINAL ELEVATIONS  
 A+D = -47"  
 F+G = -54

**FILL REQUIREMENTS**

**CONSTRUCTION ELEVATIONS**

**ELEVATION REFERENCE POINT**

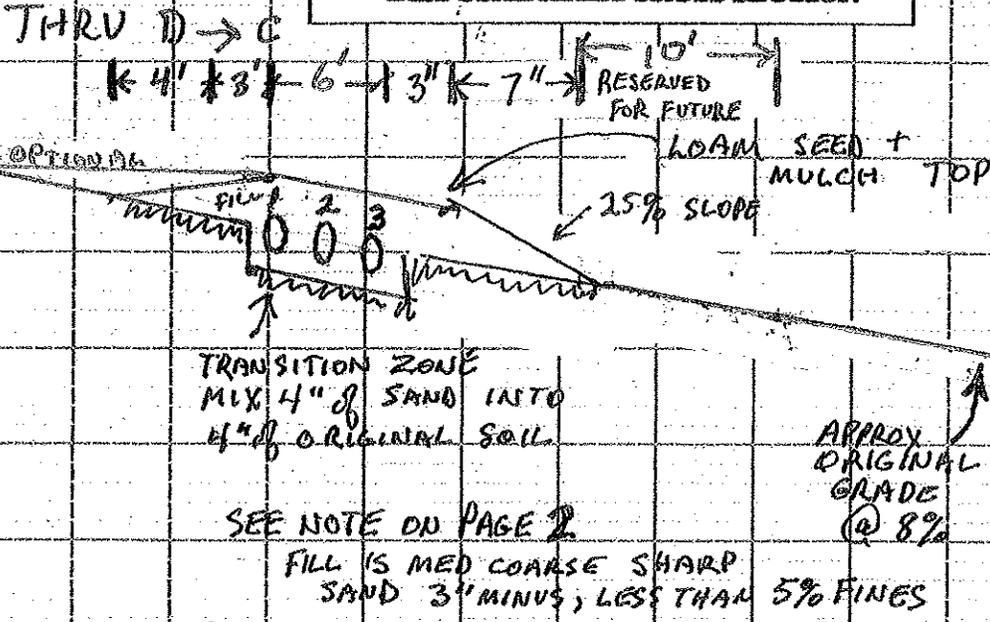
Depth of Fill (Upslope) 12"  
 Depth of Fill (Downslope) 12"-14"

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

Location & Description: NAIL IN 2" HARDWOOD 47" ABOVE "D" OR "D"  
 Reference Elevation:

SEE BELOW

**DISPOSAL AREA CROSS SECTION**



Scale		
Horizontal	1" = 10'	
Vertical	1" = 5'	
PIPE ELEVATIONS		
Row	TOP	BOTTOM
1	-47"	-59"
2	-50"	-62"
3	-53"	-65"

TRANSITION ZONE  
 MIX 4" OF SAND INTO  
 4" OF ORIGINAL SOIL

SEE NOTE ON PAGE 2

FILL IS MED COARSE SHARP SAND 3" MINUS, LESS THAN 5% FINES

APPROX ORIGINAL GRADE @ 8%

3" DROP BETWEEN ROWS

*D. D. D.*

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Site Evaluator Signature

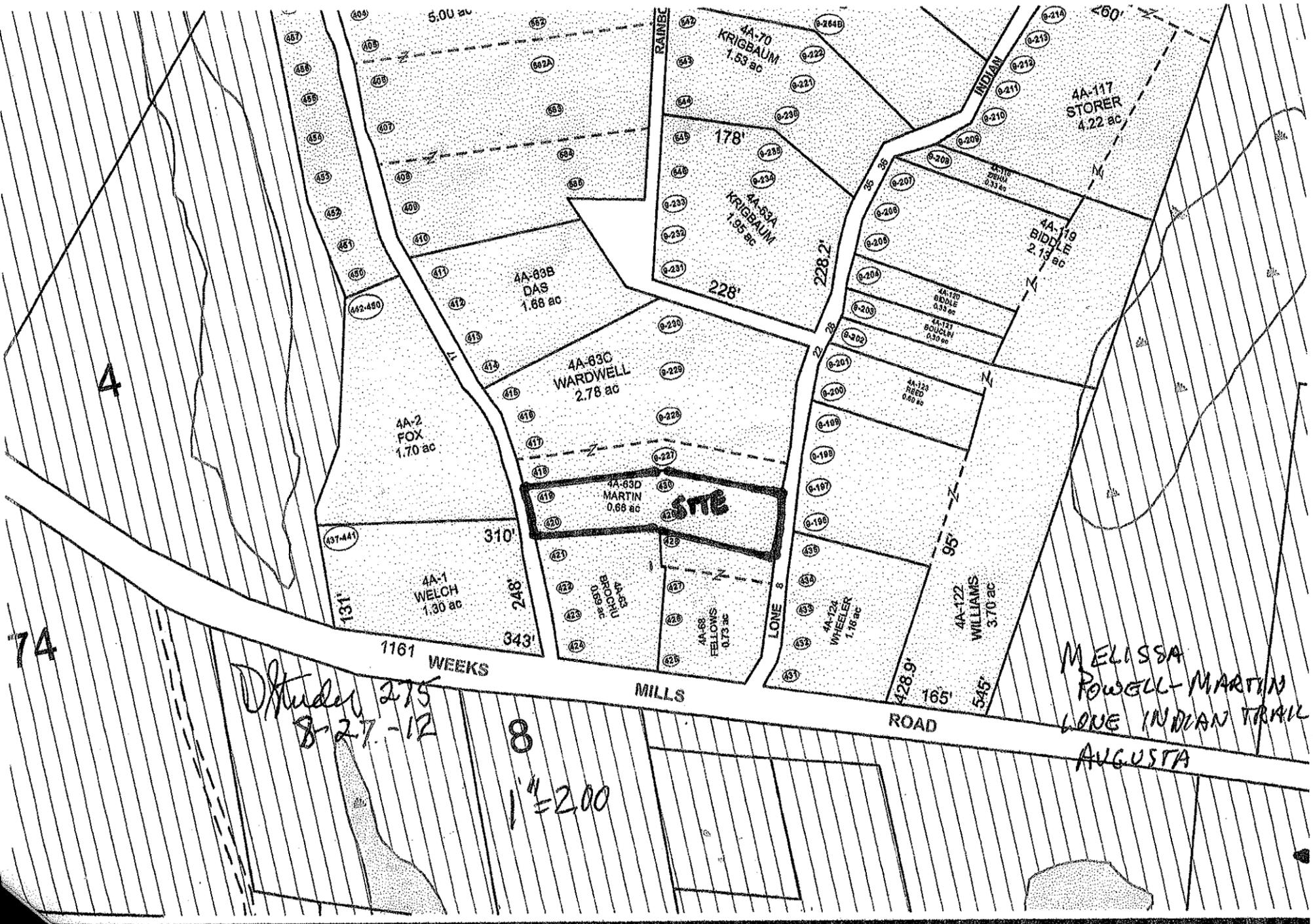
SE #

Date

## Additional information about your system and HHE-200 Form

1. You should have your septic tank pumped out every 3 years to prolong the life of the system.
2. Water softeners should drain to a separate graywater disposal system.
3. Your septic system must be installed on correct elevations and all joints, etc must be watertight. This applies to the pump tanks if your system requires pumping. Distribution boxes shall have "Equalizers" installed on the outlets, if more than one port is used
4. Low volume toilets and water conservation measures are recommended, even if your design does not require them.
5. All construction shall conform to State of Maine Subsurface Waste Disposal Rules, Chapter 241.
6. Fill shall be loamy medium sharp sand with sufficient fines for compaction. See Rules for backfill specifications. Fill shall be placed in 8-10 lifts. The top 4 inches of cover shall be loam or sandy loam, to assure a good catch of grass.
7. All wells shall be at least 100 feet from leaching field unless a variance is granted or the well is cased to appropriate depth. See rules.
8. Property lines are as provided by the owner. No accuracy is implied. Actual lines must be confirmed by a survey.
9. Installation of tanks shall have a Zabel Model A-1800 or equal on outlet. Install a low profile tank when it is determined to be necessary by field conditions.
10. Force mains, pump stations, and/or gravity piping subject to freezing shall be adequately insulated.
11. Systems shall be provided with adequate erosion control until vegetated cover is established.
12. Remove all vegetation and organic material under the leach field and extensions--  
Caution--Avoid compaction of original soil under the leaching field and extensions during construction. *INCLUDING AREA RESERVED FOR FUTURE EXPANSION.*
13. The design flow should not be exceeded in any day. Do not install garbage grinders or disposals with this design.
14. The LPI shall inform the owner and designer of any local ordinances or requirements exceeding the rules, prior to issuing the permit, so that the application may be properly amended.
15. GeoFlow pipe and Enviro-Septic pipe are considered equal in the rules. Pipe should be installed with mfg. Installation instructions.

16. NO ROCKS 6" PLUS TO BE WITHIN 24" OF PIPE.



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 8-27-12

8  
 1" = 200'

MELISSA  
 POWELL-MARTIN  
 LONE INDIAN TRAIL  
 AUGUSTA

**SITE LOCATION PLAN**

