

REPLACEMENT SYSTEM VARIANCE REQUEST

Town Copy #120

THE LIMITATIONS OF THE REPLACEMENT SYSTEM VARIANCE REQUEST

This form shall be attached to an application (HHE-200) for the proposed replacement system which requires a variance to the Rules. The LPI shall review the Replacement System Variance Request an HHE-200 and may approve the Request if all of the following requirements can be met, and the variance(s) requested fall within the limits of LPI's authority.

1. The proposed design meets the definition of a Replacement System as defined in the Rules (Sec. 1903)
2. There will be no change in use of the structure except as authorized for one-time exempted expansions outside the shoreland zone of major waterbodies/courses.
3. The replacement system is determined by the Site Evaluator and LPI to be the most practical method to treat and dispose of the wastewater.
4. The BOD₅ plus S.S. content of the wastewater is no greater than that of normal domestic effluent.

GENERAL INFORMATION

Town of AUGUSTA
 Permit No. 4129 Date Permit Issued 2/22/99
 Property Owner's Name: ROBERT FULTON Tel. No.: 561-272-7676
 System's Location: HAYDEN ROAD
 Property Owner's Address: 1124 VISTA DEL MAR
 (if different from above) DELRAY BEACH, FL. 33483

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. Both the Site Evaluator and the LPI have considered the site/soil restrictions and have 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.

Robert Fulton 2/8/99
 SIGNATURE OF OWNER DATE

LOCAL PLUMBING INSPECTOR

Hay R. Fults, 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 (check and complete either a or b):

a. (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. -OR-

b. find that one or more of the requested Variances exceeds my approval authority as LPI. I (recommend, do not recommend) the Department's approval of the variances. Note: If the LPI does not recommend the Department's approval, she shall state his reasons in Comments Section below as to why the proposed replacement system is not being recommended.

Comments: _____

Hay R. Fults 2/22/99
 LPI SIGNATURE DATE

Replacement System Variance Request

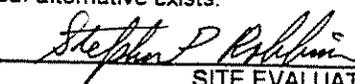
VARIANCE CATEGORY	VARIANCE REQUESTED		LIMIT OF LPI'S APPROVAL AUTHORITY		VARIANCE REQUESTED TO:	
SOILS						
Soil Profile	Ground Water Table		to 7'			
Soil Condition from HHE-200	Restrictive Layer		to 7'		13 inches	
	Bedrock		to 12'		inches	
SETBACK DISTANCES (in feet)						
	Disposal Fields		Septic Tanks		Disposal Fields	Septic Tanks
From	Less than 1000 gpd	1000 to 2000 gpd	Less Than 1000 gpd	1000 to 2000 gpd	To	To
Wells with water usage of 2000 or more gpd	300 ^a ft	300 ft	100 ^b ft	100 ^b ft		
Owner's wells	100 down to 50 ft	200 down to 100 ft	100 ^b down to 50 ft	100 down to 50 ft		
Neighbor's wells	100 ^b down to 60 ft	200 ^b down to 120 ft	100 ^b down to 50 ft	100 ^b down to 75 ft		
Water supply line	10 ft ^a	20 ft ^a	10 ft ^a	10 ft ^a		
Water course, major - for replacements only, see Table 400.4 for exempted expansions	100 down to 60 ft	200 down to 120 ft	100 down to 50 ft	100 down to 50 ft		80'
Water course, minor	50 down to 25 ft	100 down to 50 ft	50 down to 25 ft	50 down to 25 ft		
Drainage ditches	25 down to 12 ft	50 down to 25 ft	25 down to 12 ft	25 down to 12 ft		
Coastal wetlands, special freshwater wetlands, great ponds, rivers, streams (edge of fill extension)	25 ft ^d	25 ft ^d	25 ft ^d	25 ft ^d		
Slopes greater than 3:1	10 ft	18 ft	N/A	N/A		
No full basement [e.g. slab, frost wall, columns]	15 down to 7 ft	30 down to 15 ft	8 down to 5 ft	14 down to 7 ft		
Full basement [below grade foundation]	20 down to 10 ft	30 down to 15 ft	8 down to 5 ft	14 down to 7 ft		
Property lines	10 down to 5 ft	18 ft down to 9 ^c ft	10 ft down to 4 ^c ft	15 ft down to 7 ^c ft		
Burial sites or graveyards, measured from the down toe of the fill extension	25 ft	25 ft	25 ft	25 ft		

OTHER

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

Footnotes:

- a. This setback distance cannot be reduced by the LPI, but may be considered for reduction by State variance.
- b. Written Permission from the owner of a well is required when a replacement system will be located less than 100 (or 200 ft. for 1000-2000 gpd) feet and closer to that well than the system it is replacing.
- c. Sufficient distance shall be maintained to assure that the toe of the fill does not extend to the 3:1 slope or property line.
- d. Natural Resources Protection Act requires a 25 foot setback on slopes with less than 20% from the edge of disturbance and 100 feet on slopes greater than 20% except for the repair or installation of a replacement system when no practical alternative exists.



 SITE EVALUATOR'S SIGNATURE

11 NOV 98

 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

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

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

PROPERTY LOCATION		AUGUSTA 4129 TOWN GOVD Date Permit Issued: <u>11/22/99</u> \$ <u>120</u> FEE <input type="checkbox"/> Double Fee Charged L.P.I. # <u>850</u> Local Plumbing Inspector Signature: <u>[Signature]</u>
Town or Subdivision	<u>AUGUSTA</u>	
Street Subdivision Lot	<u>HAYDEN ROAD</u>	
PROPERTY OWNER'S NAME		
Last: <u>FULTON</u>	First: <u>ROBERT</u>	
Applicant's Name	<u>SAME</u>	
Mailing Address of Owner	<u>1124 VISTA DEE MAR DELRAY BEACH, FL 33483</u>	
Daytime Tel. *	<u>561-272-7676</u>	Municipal Tax Map * <u>73</u> Lot * <u>20</u>

<p style="text-align: center;">Owner Statement</p> <p>I state 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.</p> <p style="text-align: right;">Signature of Owner/Applicant: <u>[Signature]</u> Date: <u>2/8/99</u></p>	<p style="text-align: center;">Caution: Inspection Required</p> <p>I have inspected the installation authorized above and found it to be in compliance with the Subsurface Wastewater Disposal Rules Application.</p> <p style="text-align: right;">Local Plumbing Inspector Signature: <u>[Signature]</u> Date Approved: <u>2/22/99</u></p>
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PERMIT INFORMATION

<p>TYPE OF APPLICATION:</p> <ol style="list-style-type: none"> <input type="checkbox"/> First Time System <input checked="" type="checkbox"/> Replacement System Type Replaced <u>UNK</u> Year Installed <u>UNK + 25 YRS</u> <input type="checkbox"/> Expanded System <input type="checkbox"/> a. one time exempted <input type="checkbox"/> b. non exempted <input type="checkbox"/> Experimental System <input type="checkbox"/> Seasonal Conversion 	<p>THIS APPLICATION REQUIRES:</p> <ol style="list-style-type: none"> <input type="checkbox"/> No Rule Variance <input type="checkbox"/> First Time System Variance <input type="checkbox"/> a. Local Plumbing Inspector approval <input type="checkbox"/> b. State & Local Plumbing Inspector approval <input checked="" type="checkbox"/> Replacement System Variance <input checked="" type="checkbox"/> a. Local Plumbing Inspector approval <input type="checkbox"/> b. State & Local Plumbing Inspector approval <input type="checkbox"/> Minimum Lot Size Variance <input type="checkbox"/> Seasonal Conversion Approval 	<p>DISPOSAL SYSTEM COMPONENT(S)</p> <ol style="list-style-type: none"> <input checked="" type="checkbox"/> Non-Engineered System <input type="checkbox"/> Primitive System (graywater & alt toilet) <input type="checkbox"/> Alternative Toilet _____ <input type="checkbox"/> Non-Engineered Treatment Tank <input type="checkbox"/> Holding Tank _____ Gallons <input type="checkbox"/> Non-Engineered Disposal Area (only) <input type="checkbox"/> Separated Laundry System <input type="checkbox"/> Engineered System (+2000 gpd) <input type="checkbox"/> Engineered Treatment Tank (only) <input type="checkbox"/> Engineered Disposal Area (only) <input type="checkbox"/> Pretreatment
<p>SIZE OF PROPERTY</p> <p><u>1/2 AC.</u></p>	<p>DISPOSAL SYSTEM TO SERVE:</p> <ol style="list-style-type: none"> <input checked="" type="checkbox"/> Single Family Dwelling Unit <input type="checkbox"/> Multiple Family Dwelling: Number of Units _____ <input type="checkbox"/> Other _____ 	<p>TYPE OF WATER SUPPLY</p> <p><u>LAKE</u></p>
<p>SHORELAND ZONING</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>		

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

<p>TREATMENT TANK</p> <ol style="list-style-type: none"> <input checked="" type="checkbox"/> Concrete <input checked="" type="checkbox"/> a. Regular <input type="checkbox"/> b. Low Profile <input type="checkbox"/> Plastic <input type="checkbox"/> Other _____ <p>SIZE <u>1,000</u> Gallons</p>	<p>DISPOSAL AREA TYPE / SIZE</p> <ol style="list-style-type: none"> <input type="checkbox"/> Bed _____ Sq. Ft. <input checked="" type="checkbox"/> Proprietary Device <u>1200</u> Sq. Ft. <input type="checkbox"/> Cluster <input checked="" type="checkbox"/> Linear <input checked="" type="checkbox"/> Regular <input type="checkbox"/> H-20 <input type="checkbox"/> Trench <input type="checkbox"/> Other _____ 	<p>GARBAGE DISPOSAL UNIT</p> <ol style="list-style-type: none"> <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Multi-compartment tank <input type="checkbox"/> Tank in series <input type="checkbox"/> Increase in tank capacity <input type="checkbox"/> Filter on tank outlet 	<p>CRITERIA USED FOR DESIGN FLOW (Show Calculations)</p> <p style="text-align: center; font-size: 1.2em;"><u>3 BDRMS</u></p>		
<p>PROFILE & DESIGN CLASS</p> <table style="width: 100%;"> <tr> <td style="width: 50%;">PROFILE <u>8</u></td> <td style="width: 50%;">DESIGN <u>D</u></td> </tr> </table> <p>DEPTH TO MOST LIMITING FACTOR <u>13"</u></p>	PROFILE <u>8</u>	DESIGN <u>D</u>	<p>DISPOSAL AREA SIZING</p> <ol style="list-style-type: none"> <input type="checkbox"/> Small - 2.00 <input type="checkbox"/> Medium - 2.60 <input type="checkbox"/> Medium-Large - 3.30 <input checked="" type="checkbox"/> Large - 4.10 <input type="checkbox"/> Extra-Large - 5.20 	<p>PUMPING</p> <ol style="list-style-type: none"> <input type="checkbox"/> Not required <input type="checkbox"/> May be required <input checked="" type="checkbox"/> Required <p>DOSE <u>50</u> Gallons</p>	<p>DESIGN FLOW: <u>270</u> (Gallons/Day)</p>
PROFILE <u>8</u>	DESIGN <u>D</u>				

SITE EVALUATOR'S STATEMENT

On 11/2/98 (date) I completed a site evaluation on this property and state that the data reported is accurate and that the proposed system is in compliance with the Subsurface Wastewater Disposal Rules.

Site Evaluator Signature: <u>[Signature]</u> Site Evaluator Name Printed: <u>STEPHEN P ROBBINS</u>	SE * <u>301</u> Telephone: <u>377-6707</u>	Date: <u>11 NOV 98</u>
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HHE-200 Rev. 7/97

Replacement System Variance Request

VARIANCE CATEGORY	VARIANCE REQUESTED		LIMIT OF LPI'S APPROVAL AUTHORITY		VARIANCE REQUESTED TO:	
SOILS						
Soil Profile	Ground Water Table		to 7'			
Soil Condition	Restrictive Layer		to 7'		13 inches	
from HHE-200	Bedrock		to 12'		inches	
SETBACK DISTANCES (in feet)	Disposal Fields		Septic Tanks		Disposal Fields	Septic Tanks
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Stephen P. Robinson

SITE EVALUATOR'S SIGNATURE

11 NOV 98
DATE

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SIGNATURE OF THE DEPARTMENT

DATE

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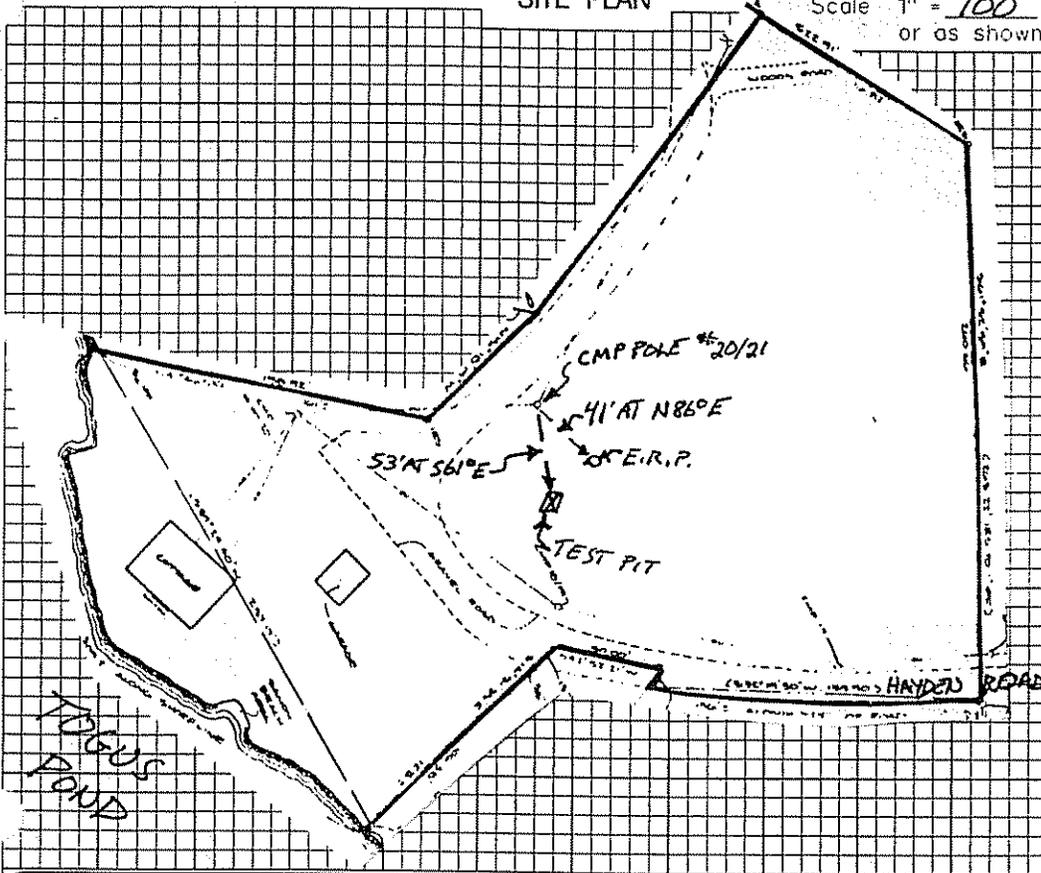
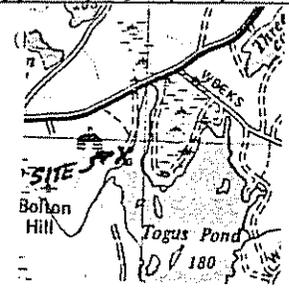
Town, City, Plantation
AUGUSTA

Street, Road Subdivision
HAYDEN ROAD

Owner's Name
ROBERT FULTON

SITE PLAN

Scale 1" = 100 Ft.
or as shown



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

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

DEPTH BELOW MINERAL SOIL SURFACE (inches)	Texture	Consistency	Color	Mottling
0	SILT LOAM	FRIABLE	BROWN	
10			YELLOW BROWN	
20		SOME WHAT FIRN	OHIVE	FEW
30				
40				
50				

Soil Classification: Profile **8** Condition **D** Slope **6** % Limiting Factor **13** "

Ground Water
 Restrictive Layer
 Bedrock
 Pit Depth

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

DEPTH BELOW MINERAL SOIL SURFACE (inches)	Texture	Consistency	Color	Mottling
0				
10				
20				
30				
40				
50				

Soil Classification: Profile _____ Condition _____ Slope _____ % Limiting Factor _____ "

Ground Water
 Restrictive Layer
 Bedrock
 Pit Depth

Stephen P. Palmer
Site Evaluator Signature

301
SE

11 NOV 98
Date

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

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

Town, City, Plantation
AUGUSTA

Street, Road, Subdivision
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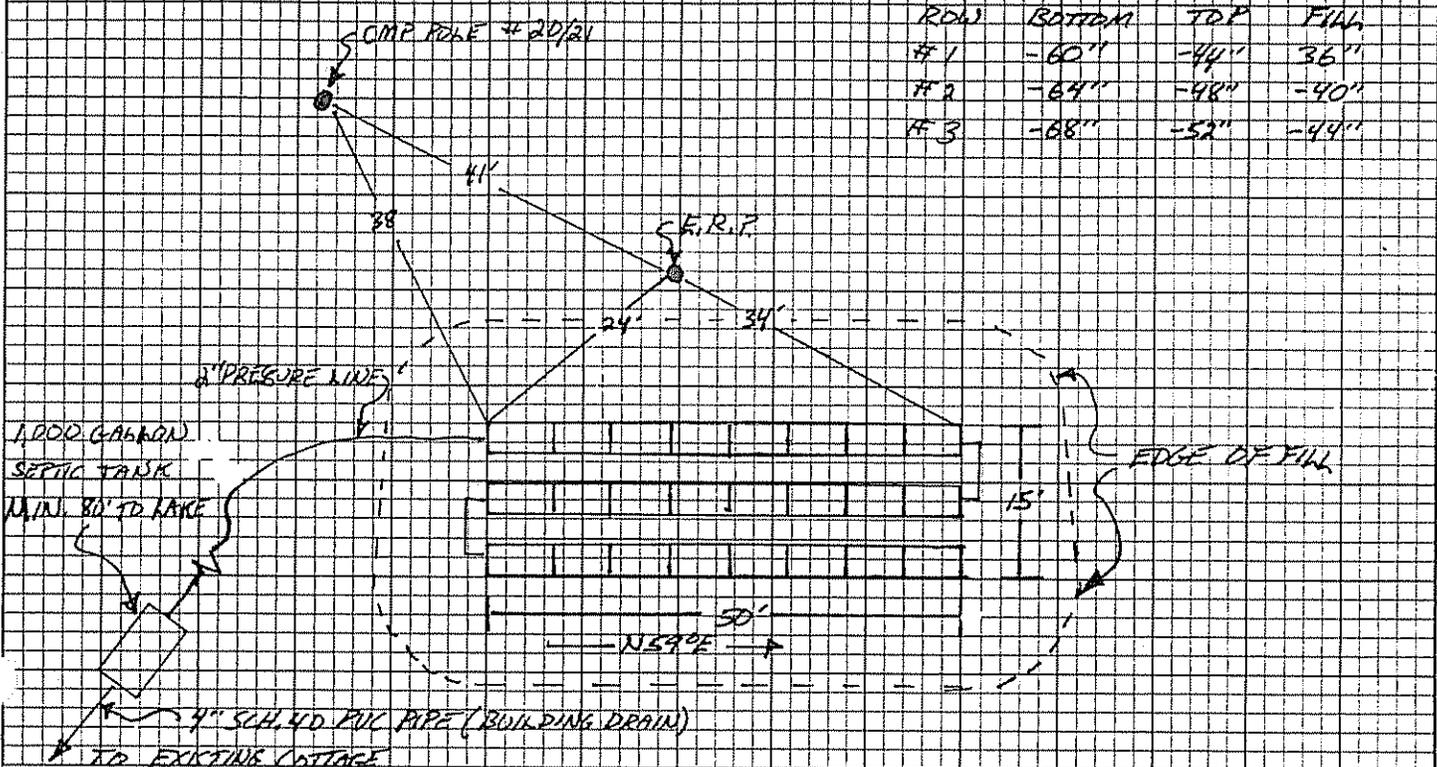
Owner's Name
ROBERT FULTON

SUBSURFACE WASTEWATER DISPOSAL PLAN

SCALE 1" = 20 FT.

ELEVATION NOTES CHAMBERS

ROW	BOTTOM	TOP	FILL
#1	-60"	-44"	36"
#2	-64"	-48"	40"
#3	-68"	-52"	44"



FILL REQUIREMENTS

Depth of Fill (Upslope)	<u>30</u>
Depth of Fill (Downslope)	<u>30</u>

CONSTRUCTION ELEVATIONS

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

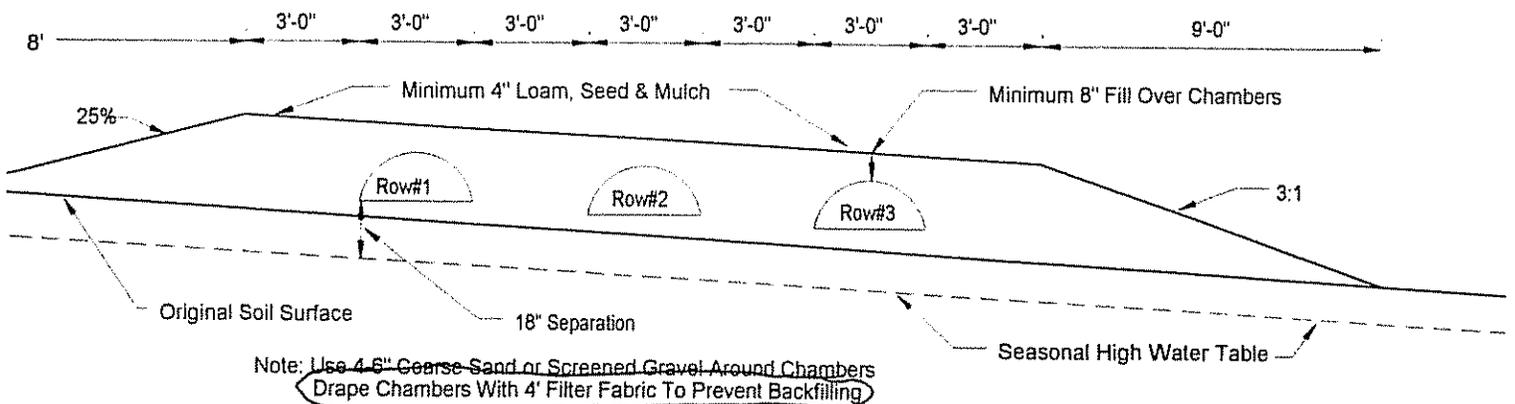
NOTES ABOVE

ELEVATION REFERENCE POINT

Location & Description NAIL IN 12" OAK, 26" FROM GROUND
Reference Elevation 0

DISPOSAL AREA CROSS SECTION

SCALE:
VERTICAL: 1" = 5'
HORIZONTAL: 1" = 5'



Note: Use 4-6" Coarse Sand or Screened Gravel Around Chambers
Drape Chambers With 4' Filter Fabric To Prevent Backfilling

Stephen P. Paffin
Site Evaluator Signature

301
SE

11 NOV 98
Date

Town

AUGUSTA

Address

HAYDEN ROAD

Owner

ROBERT FULTON

ATTACHMENT TO HHE-200

notes:

1. Construction to conform with "State of Maine Subsurface Wastewater Disposal Rules".
2. Property lines shown are as provided by owner, agent, or municipality. No guarantee of accuracy is implied. Actual property lines must be confirmed by survey.
3. Remove organic material and ~~sewage~~ rototill area under drainfield and fill extensions.
4. Unless otherwise specified, all fill will be gravelly and loamy sand with sufficient fines for adequate compaction. In 8" lifts, compacted as placed. First lift to be thoroughly mixed with original soil.
5. Septic tanks and pump stations shall be installed watertight to prevent infiltration of ground and surface water.
6. Force mains, pump stations, and or gravity piping subject to freezing shall be adequately insulated.
7. Unless otherwise specified, septic tank to be located by contractor; a minimum 8' to proposed or existing home and or buildings, 10' to property line & water supply line, 100' to all wells and shoreline. Well setback can be reduced to 75' if tested for watertightness in presence of L.P.I. .
8. A septic tank outlet filter is recommended.
9. If replacement system with new tank, existing tank or cesspool to be filled with soil or removed. If existing tank is to be utilized, tank is to be thoroughly inspected for condition.
10. Unless otherwise specified, this plan does not allow the placement of pumps between the wastewater source and the septic tank.
11. Unless otherwise specified, disposal area to existing or proposed buildings setback is 20'.
12. Water from gutters, driveways, walks, and other surface water to be diverted away from system.
13. Loam, seed and mulch all disturbed areas to prevent erosion and facilitate runoff.
14. Unless otherwise specified, keep traffic heavier than lawn tractor away from all components of system.
15. Keep sanitary napkins, cigarette butts, coffee grounds, paper towels, grease, and nonbiodegradables out of system.
16. Unless otherwise specified, proposed wells shall be located a minimum 100' from disposal system, including tank. Tank distance may be reduced to 75 feet if the septic or holding tank is tested in the plumbing inspector's presence and shown to be water tight.
17. Many times it is impossible to locate water supplies. Property owner assumes responsibility of proper setback to any unknown water supplies.
18. Discharge from water treatment equipment is not considered wastewater and must not be plumbed into septic system. This flow should be diverted into a separate drywell (Disposal area that does not require design or permit).
19. Plumbing fixtures must be strictly maintained to insure excess water does not enter septic system. Excess water can lead to premature clogging and total failure of disposal area.
20. Venting of this disposal area is not required or recommended.
21. Pumped systems will be equipped with audible high water alarm, wired to separate circuit as pump.
22. Take 3 copies of the plan to your local plumbing inspector for required permit.

Stephen P. Robbins

S.P.R.

S.E.#301

Date 11 NOV 98

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