



DEPARTMENT OF HUMAN SERVICES
 DIVISION OF HEALTH ENGINEERING
 10 STATE HOUSE STATION
 AUGUSTA, MAINE
 04333-0010

ANGUS S. KING, JR.
 GOVERNOR

KEVIN W. CONCANNON
 COMMISSIONER

December 10, 1998

*Town Copy
 \$95.00*

Ronald Belanger
 RR 10 Box
 Augusta ME 04330

SUBJECT: Approval Replacement System Variance Request, Belanger property, Rt 3 - North Belfast Avenue, Augusta

Dear Mr. Belanger:

The Division has reviewed a replacement system variance request for the subject property. The state variances requested are to allow the installation of a subsurface wastewater disposal system in soils with zero inches to the ground water table and a reduced fill extension grade to 2:1 as needed. Due to the site constraints, the system is to be installed in the area of the existing system. The system designed by John Archard, SE, dated 11-22-98, is found to be in compliance with the Maine Subsurface Wastewater Disposal Rules.

We approve the variance request with the following requirements:

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 system designer is to be notified prior to making any changes.
3. The system designer is to be retained to oversee the removal of the old system and fill material and the placement of the new fill material.
4. The variance approval does not relieve the property owner from compliance with all other state and local requirements regarding the permitting, installing, and utilizing of the septic system.

Should you or others have any questions regarding this review and/or approval, please feel free to contact me at 287-5687.

Sincerely,

Linda S. Robinson

Linda S. Robinson
 Wastewater & Plumbing Control Program
 Division of Health Engineering
 e-mail: linda.robinson@state.me.us

/lsr
 cc: Gary Fuller, LPI
 John Archard, SE



PRINTED ON RECYCLED PAPER

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. DEC 1998

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. _____ Date Permit Issued _____

Property Owner's Name: RONALD BELANGER Tel. No.: 622 4253

System's Location: ROUTE 3-NORTH BELFAST AVE

Property Owner's Address: R R # 10 BOX

(if different from above) AUGUSTA, ME 04330

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.

Ronald Belanger 12-7-98
SIGNATURE OF OWNER DATE

LOCAL PLUMBING INSPECTOR

I, Gary R. Fuller, 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: _____

Gary R. Fuller 12/8/98
LPI SIGNATURE DATE

VARIANCE CATEGORY	VARIANCE REQUESTED		LIMIT OF LPI'S APPROVAL AUTHORITY		VARIANCE REQUESTED TO	
SOILS						
Soil Profile	Ground Water Table		to 7'		0 inches	
Soil Condition	Restrictive Layer		to 7'		Inches	
from HHE-200	Bedrock		to 12'		Inches	
SETBACK DISTANCES (in feet)	Disposal Fields		Septic Tanks		Disposal Fields	Septic Tanks
	Less than 1000 gpd	1000 to 2000 gpd	Less Than 1000 gpd	1000 to 2000 gpd	To	To
From						
Wells with water usage of 2000 or more gpd	300' ft	300' ft	100' ft	100' ft		
Owner's wells	100 down to 50 ft	200 down to 100 ft	100 ^D down to 50 ft	100 down to 50 ft		
Neighbor's wells	100 ^D down to 60 ft	200 ^D down to 120 ft	100 ^D down to 50 ft	100 ^D down to 75 ft		
Water supply line	10 ft ^d	20 ft ^d	10 ft ^d	10 ft ^d		
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		
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	20±'	
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	10.5'±	
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 ^c 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 *REDUCE TO 2:1 AS NEEDED*

2.

3. *(SEE ATTACHED STATEMENT)*

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.

[Signature]
SITE EVALUATOR'S SIGNATURE

11-22-98
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]
SIGNATURE OF THE DEPARTMENT

12-10-98
DATE

REPLACEMENT SYSTEM VARIANCE REQUEST

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 _____	<u>AUGUSTA</u>
Permit No. <u>4086</u>		Date Permit Issued <u>12/14/98</u>	
Property Owner's Name: _____	<u>RONALD BELANGER</u>	Tel. No.: _____	<u>622-4253</u>
System's Location: _____	<u>ROUTE 3-NORTH BELFAST AVE</u>		
Property Owner's Address: _____	<u>R R # 10 BOX</u>		
(if different from above) _____	<u>AUGUSTA, ME 04330</u>		

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 it 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.

Ronald Belanger
SIGNATURE OF OWNER

12-7-98
DATE

LOCAL PLUMBING INSPECTOR

I, _____, 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: _____

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"		0 Inches	
Soil Condition	Restrictive Layer		to 7"		Inches	
from HHE-200	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 ^a ft	100 ^a ft	100 ^a 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 ^d down to 60 ft	200 ^d down to 120 ft	100 ^b down to 50 ft	100 ^b down to 75 ft		
Water supply line	10 ft ^d	20 ft ^d	10 ft ^d	10 ft ^d		
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		
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	20±'	
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	10.5±'	
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 ^c 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 *REDUCE TO 2:1 AS NEEDED*
2. _____
3. *(SEE ATTACHED STATEMENT)*

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.

[Signature]

 SITE EVALUATOR'S SIGNATURE

11-22-98

 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

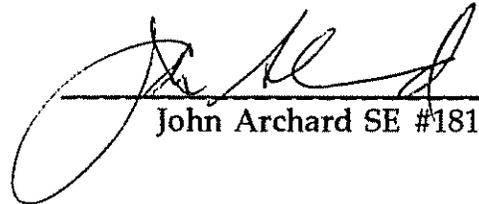
 DATE

**SITE EVALUATOR STATEMENT
BELANGER REPLACEMENT VARIANCE REQUEST-11/22/98**

The subject site is an existing developed residence on a 9 E soil. The area of the existing trench system is the only practical area to place the replacement disposal area. Other potential areas are upslope and less than 100 feet from an existing dug well used by the owner and the abutter.

The the design calls for removal of the existing disposal area and existing gravel fill that is mixed with a large amount of site and clay. After removal of the trench and fill new fill meeting the requirement of Section 1203 of the Rules is to be placed to the bottom of disposal area elevation and the new disposal area built on the new fill.

Because there is limited space it is necessary to reduce fill slopes in some areas to less than 3:1. It is this evaluators opinion that this is the most practical alternative available to replace the existing malfunction.



John Archard SE #181

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

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

PROPERTY LOCATION	
Town or Plantation	AUGUSTA
St. Subdivision Lot #	ROUTE 3-NORTH BELFAST AVE.
PROPERTY OWNER'S NAME	
Last:	BELANGER
First:	RONALD
Applicant's Name	
Mailing Address of Owner	R R # 10 BOX AUGUSTA, ME 04330
Daytime Tel. #	622+4253

AUGUSTA

4086 TOWN COPY

Date Permit Issued: 12-14-98 \$ 95.00 FEE If Double Fee Charged

Ronald Belanger
Local Plumbing Inspector Signature

L.P.I. # 850

Owner Statement

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 permits.

Ronald Belanger
Signature of Owner/Applicant

12-1-98
Date

Caution: Inspection Required

I have inspected the installation authorized above and found it to be in compliance with the Subsurface Wastewater Disposal Rules and Application

Map 6 Lot 68A
Local Plumbing Inspector Signature

Date Approved

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>Trench</u> Year Installed <u>19 60's</u> <input type="checkbox"/> Expanded System <ul style="list-style-type: none"> <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 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 <ul style="list-style-type: none"> <input type="checkbox"/> A. Local Plumbing Inspector Approval <input checked="" type="checkbox"/> B. State & Local Plumbing Inspector Approval <input type="checkbox"/> Minimum Lot Size Variance <input type="checkbox"/> Seasonal Conversion Approval 	<p>DISPOSAL SYSTEM COMPONENTS</p> <ol style="list-style-type: none"> <input 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 checked="" 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 style="text-align: center;">18,000+/- SQ. FT.</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 Unit <p>Units _____</p> <ol style="list-style-type: none"> <input type="checkbox"/> Other _____ 	<p>TYPE OF WATER SUPPLY</p> <p style="text-align: center;">EXISTING DUG WELL</p>
<p>SHORELAND ZONING</p> <p><input type="checkbox"/> Yes <input checked="" 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 <ul style="list-style-type: none"> <input checked="" type="checkbox"/> A. Regular <input type="checkbox"/> B. Low Profile (see Note) <input type="checkbox"/> Plastic <input type="checkbox"/> Other _____ <p>size <u>Existing 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>1254</u> sq. Ft. <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Cluster <input 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 <ul style="list-style-type: none"> <input type="checkbox"/> Multi-compartment Tank <input type="checkbox"/> Tank In Series <input type="checkbox"/> Increase Tank Capacity <input type="checkbox"/> Filter On Tank Outlet 	<p>CRITERIA USED FOR DESIGN FLOW (Show Calculations)</p> <p style="text-align: center;">3 BEDROOM</p>				
<p>PROFILE & DESIGN CLASS</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%;">PROFILE</th> <th style="width: 50%;">DESIGN</th> </tr> <tr> <td style="text-align: center;">9</td> <td style="text-align: center;">E</td> </tr> </table> <p>DEPTH TO MOST LIMITING FACTOR <u>0</u></p>	PROFILE	DESIGN	9	E	<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 type="checkbox"/> Large - 4.10 <input checked="" 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>75</u> Gallons</p>	<p>DESIGN FLOW: <u>270 GPD</u> (Gallons / Day)</p>
PROFILE	DESIGN						
9	E						

SITE EVALUATOR'S STATEMENT

On 11/21/98 (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

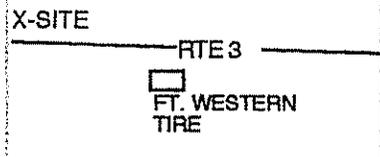
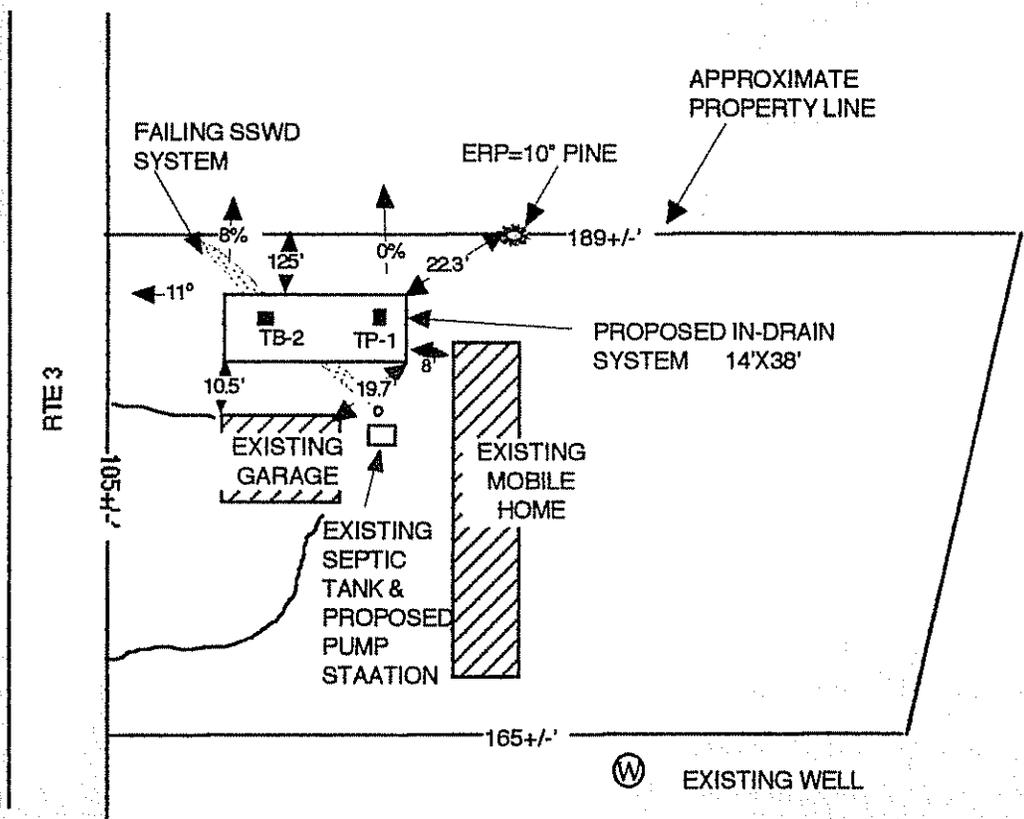
<p><i>John Archard</i> Site Evaluator's Signature</p> <p>John Archard Site Evaluator's Name Printed</p>	<p>181 SE #</p> <p>(207) 293-2674 Telephone</p>	<p>11/22/98 Date</p>
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SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Town, City, Plantation **AUGUSTA** Street, Road, Subdivision **ROUTE 3-NORTH BELFAST AVE.** Name of Owner **BELANGER**

SITE PLAN Scale 1" = 40' Ft. or as shown

SITE LOCATION PLAN
(Map from *The Maine Atlas* recommended)



- NOTES:**
1. Remove all of the existing system and existing fill and replace with specified fill.
 2. Existing tank **MUST** be pumped, baffles inspected and repaired if needed prior to connection to the new disposal area or the tank shall be replaced if not repairable.
 3. Tank to be tested for watertightness.

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

Observation Hole TP-1 Test Pit Boring

N/A " Depth of Organic Horizon above Mineral Soil

DEPTH BELOW MINERAL SURFACE (inches)	Texture	Consistency	Color	Mottling
0	GRAVELLY FILL	FRIABLE	BROWN	NONE EVIDENT
6				
10	SILTY CLAY LOAM	FIRM	GRAY	FREE WATER MANY
15				
20	SILTY CLAY			DISTINCT
25				
30				
35				
40				
45				
50				

Soil Classification: **9 E** Slope: **0 %** Limiting Factor: **0(12 - FILL)**

Profile: **9 E** Condition: **0 %**

Ground Water Restrictive Layer
 Bedrock Pit Depth

Observation Hole TB-2 Test Pit Boring

N/A " Depth of Organic Horizon above Mineral Soil

DEPTH BELOW MINERAL SURFACE (inches)	Texture	Consistency	Color	Mottling
0	GRAVELLY FILL	FRIABLE	BROWN	NONE EVIDENT
6				
10	SILTY CLAY LOAM	FIRM	GRAY	FREE WATER MANY
15				
20	SILTY CLAY			DISTINCT
25				
30				
35				
40				
45				
50				

Soil Classification: **9 E** Slope: **0 %** Limiting Factor: **0(12 - FILL)**

Profile: **9 E** Condition: **0 %**

Ground Water Restrictive Layer
 Bedrock Pit Depth

John A. [Signature]
Site Evaluator Signature

181
SE#

11/22/98
Date

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Town, City, Plantation

AUGUSTA

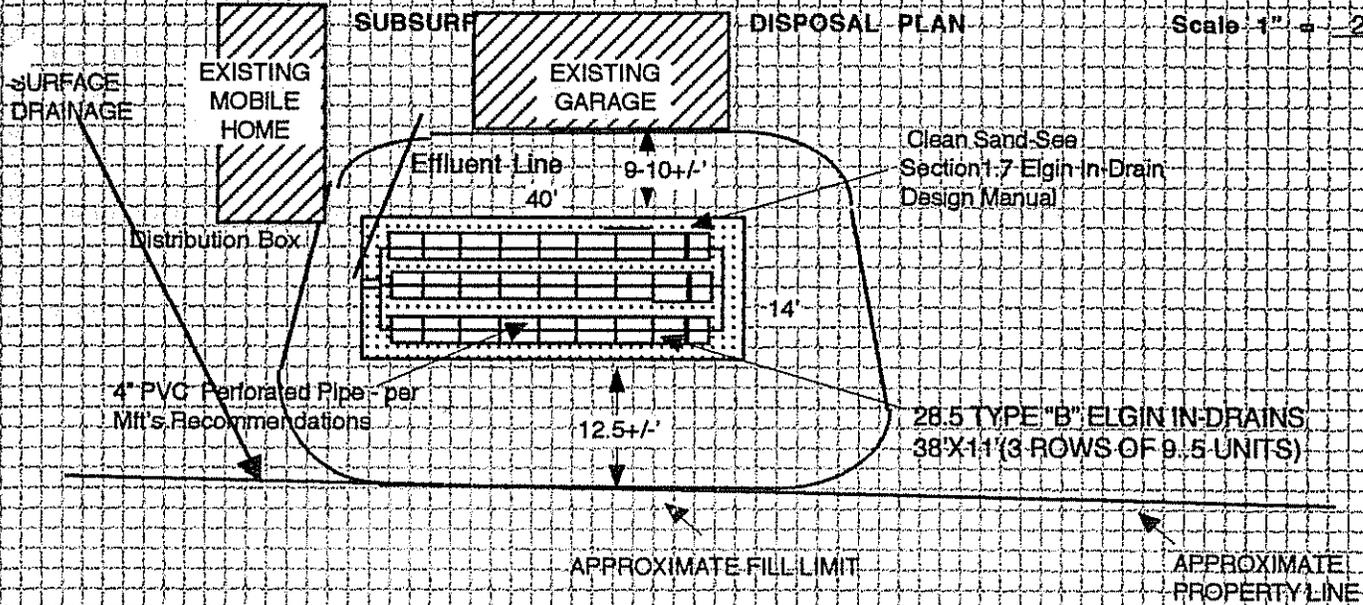
Street, Road, Subdivision

ROUTE 3-NORTH BELFAST AVE.

Owner's Name

BELANGER

Scale 1" = 20' Ft.



NOTES:

1. Install In-Drains per Manufacturer's recommendations
2. Distribution box to be fitted with "flow equalizer's"
3. Install "Zabel" or equal filter on tank outlet.
4. All fill to remain on owners property, reduce fill slope as needed.

FILL REQUIREMENTS

Depth of Fill (Upslope) 18 TO 29"
 Depth of Fill (Downslope) 27 TO 29"

CONSTRUCTION ELEVATIONS

Finished Grade Elevation -14"
 Top of Distribution Pipe or Proprietary Device -25"
 Bottom of Disposal Area -38"

ELEVATION REFERENCE POINT

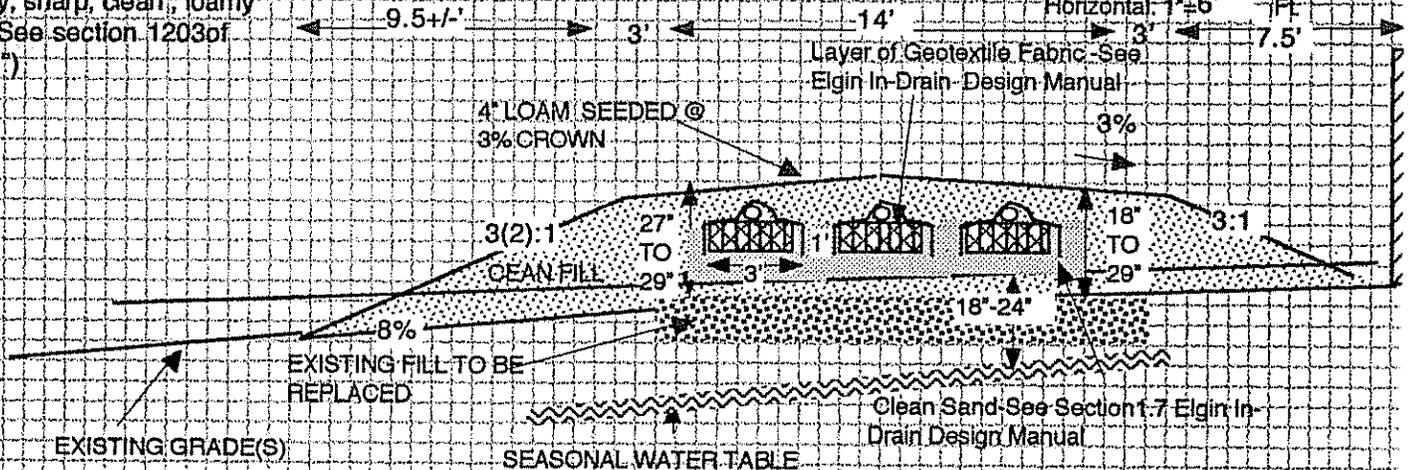
Location & Description NAIL IN 10" PINE
 TREE 21' ABOVE GROUND
 Reference Elevation 00"

DISPOSAL AREA CROSS SECTION

Scale:

Vertical 1" = 4' Ft
 Horizontal 1" = 6' Ft

Note: All fill to be coarse, gravelly, sharp, clean, loamy sand. (See section 1203 of "Rules")



[Handwritten Signature]
 Site Evaluator Signature

181
 SE#

11/22/98
 Date

GENERAL NOTES

1. Site evaluations conform to the criteria of the "State of Maine Subsurface Waste Water Disposal Rules-144A CMR 241" latest revision. Other environmental concerns are not evaluated and may require additional professional opinions. the delineation of wetlands, when required, is to be performed by competent consultants experienced in such practice and may affect the suitability of particular sites.
2. All construction to conform to the specifications in the "State of Maine Subsurface Waste Water Disposal Rules-144A CMR 241" latest revision.
3. Wells & structures must maintain setbacks from the disposal system as allowed or required in Chapter 4 "State of Maine Subsurface Waste Water Disposal Rules-144A CMR 241" latest revision.
4. Property lines as shown are as provided by owner/owner's agent no guarantee of accuracy is implied. Actual property lines must be confirmed by survey.
5. A septic tank filter is required when installing a mechanical garbage disposal or solids handling grinder pump or when otherwise specified.
6. Septic tanks and pump stations, when required, shall be installed watertight to prevent the infiltration of ground or surface water. Pumps shall be sized for actual installed T.D.H.. For uninterrupted service during repair duplex pumps are recommended.
7. Force mains and pressure lines shall be flushed of foreign material and pumps checked for proper on/off cycle before being put in service.
8. Applicability of the design must be reevaluated when the location of structures are substantially different than shown on the site plan, or when other appurtenances (ie: swimming pools) are added.
9. Systems put into service prior to establishing proper cover shall be provided with adequate erosion controls.
10. Provide low profile tanks when determined as needed in the field. All tanks may be field located and meet the setback requirements of Chapt. 4 "State of Maine Subsurface Waste Water Disposal Rules-144A CMR 241" latest revision.
11. All components subject to freezing must be adequately insulated.
12. The LPI shall inform the owner and designer of any local ordinances exceeding the "State of Maine Subsurface Waste Water Disposal Rules-144A CMR 241" prior to issuing a permit so that necessary amendments can be made to the design.
13. Systems must be maintained as outlined in "Septic Systems-How They Work & How to Keep Them Working"-MDEP
14. All designs are subject to Local, State, or Federal review. Designers liability shall be limited to required revisions. In no case shall liability exceed designers fee.

The owner/applicants signature on page one acknowledges their understanding of the "General Notes"