



Replacement System Variance Request

VARIANCE CATEGORY	LIMIT OF LPI'S APPROVAL AUTHORITY						VARIANCE REQUESTED TO:	
SOILS								
Soil Profile	Ground Water Table			to 7"			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	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	300 ft	100 ft	100 ft	100 ft		
Owner's wells	100 down to 60 ft[a]	200 down to 100 ft	300 down to 150 ft	100 down to 50 ft[b]	100 down to 50 ft	100 down to 50 ft		
Neighbor's wells	100 down to 60 ft [f]	200 down to 120 ft [f]	300 down to 180 ft [f]	100 down to 50 ft [f]	100 down to 75 ft [f]	100 down to 75 ft [f]		
Water supply line	10 ft [h]	20 ft [h]	25 ft [h]	10 ft [h]	10 ft [h]	10 ft [h]		
Water course, major	100 down to 60 ft[d]	200 down to 120 ft[d]	100 down to 180 ft[d]	100 down to 50 ft[b]	100 down to 50 ft	100 down to 50 ft		
Water course, minor	50 down to 25 ft [e]	100 down to 50 ft [e]	150 down to 75 ft [e]	50 down to 25 ft [e]	50 down to 25 ft [e]	50 down to 25 ft [e]		
Drainage ditches	25 down to 12 ft	50 down to 25 ft	75 down to 35 ft	25 down to 12 ft	25 down to 12 ft	25 down to 12 ft		
Edge of fill extension -- Coastal wetlands, special freshwater wetlands, great ponds, rivers, streams	25 ft [e]	25 ft [e]	25 ft [e]	25 ft [e]	25 ft [e]	25 ft [e]		
Slopes greater than 3:1	10 ft [g]	18 ft [g]	25 ft [g]	N/A	N/A	N/A		
No full basement (e.g. slab, frost wall, columns)	15 down to 7 ft	30 down to 15 ft	40 down to 20 ft	8 down to 5 ft	14 down to 7 ft	20 down to 10 ft		
Full basement (below grade foundation)	20 down to 10 ft	30 down to 15 ft	40 down to 20 ft	8 down to 5 ft	14 down to 7 ft	20 down to 10 ft		
Property lines	10 down to 5 ft[c]	18 down to 9 ft[c]	20 down to 10 ft[c]	10 down to 4 ft[c]	15 down to 7 ft[c]	20 down to 10 ft[c]		
Burial sites or graveyards, measured from the downhill toe of the fill extension	25 ft	25 ft	25 ft	25 ft	25 ft	25 ft		

OTHER

1. STEEPEN SLOPE TO 3 TO 1 NEAR PROPERTY LINE

2. \_\_\_\_\_
3. \_\_\_\_\_

Footnotes: [a] Single-family well setbacks may be reduced as prescribed in Section 701.2  
 [b] This distance may be reduced to 25 feet, if the septic tank or holding tank is tested in the plumbing inspector's presence and shown to be watertight or of monolithic construction.  
 [c] Additional setbacks may be needed to prevent fill material extensions from encroaching on abutting property.  
 [d] Additional setbacks may be required by local Shoreland zoning.  
 [e] Natural Resources Protection Act requires a 25 foot setback on slopes of less than 20%, from the edge of soil disturbance and 100 feet on slopes greater than 20%. See Chapter 15.  
 [f] May not be any closer to neighbor's well than the existing disposal field or septic tank unless written permission is granted by the neighbor. This setback may be reduced for single family houses with Department approval. See Section 702.3.  
 [g] The fill extension shall reach the existing ground before the 3:1 slope or within 100 feet of the disposal field.  
 [h] See Section 1402.8 for special procedures when these minimum setbacks cannot be achieved.

WILLIAM P BROWN *William P Brown*  
 \_\_\_\_\_  
 SITE EVALUATOR'S SIGNATURE

9/26/2007  
 \_\_\_\_\_  
 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

Maine Dept of Health & Human Services  
 Division of Health Engineering, 10SHS  
 (207)287-5672 FAX (207)287-3165

>> CAUTION: PERMIT REQUIRED -- ATTACH IN SPACE BELOW <<

**PROPERTY LOCATION**

City, Town, or Plantation: **AUGUSTA**

Street or Road: **SHERWOOD DRIVE**

Subdivision, Lot #: \_\_\_\_\_

**OWNER/APPLICANT INFORMATION**

Name (last, first, MI): **HUNT, DAVID**  Owner  Applicant

Mailing Address of Owner/Applicant: **42 SHERWOOD DRIVE**  
**AUGUSTA, ME 04330**

Daytime Tel. #: **622-4734**

**AUGUSTA** PERMIT # **6067 TOWN COPY**

Date Permit Issued: **10/13/07** \$ **190.00**  # Double Fee  FEE Charged

Local Plumbing Inspector Signature: *[Signature]* L.P.I. # **1907**

Municipal Tax Map # **54** Lot # **30**

**OWNER OR APPLICANT 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 Permit.

Signature of Owner/Applicant: *David Hunt* Date: **10/1/07**

**CAUTION: INSPECTION REQUIRED**

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

Local Plumbing Inspector Signature: \_\_\_\_\_ (1st) Date Approved: \_\_\_\_\_  
 \_\_\_\_\_ (2nd) Date Approved: \_\_\_\_\_

**PERMIT INFORMATION**

**TYPE OF APPLICATION**

1. First Time System

2. Replacement System  
 Type replaced **BED**  
 Year installed **1980'S**

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

4. Minimum Lot Size Variance

5. Seasonal Conversion Permit

**DISPOSAL SYSTEM COMPONENTS**

1. Complete Non-engineered System

2. Primitive System (graywater & 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. Pretreatment, specify: \_\_\_\_\_

12. Miscellaneous Components

**SIZE OF PROPERTY**

**0.48**  sq. ft.  acres

**DISPOSAL SYSTEM TO SERVE:**

1. Single Family Dwelling Unit, No. of Bedrooms: **4**

2. Multiple Family Dwelling Unit, No. of Units: \_\_\_\_\_

3. Other \_\_\_\_\_ (specify)

Current Use  Seasonal  Year Round  Undeveloped

**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  
 a. Regular  
 b. Low Profile

2. Plastic

3. Other **EXISTING**

CAPACITY **1000** GAL.

**DISPOSAL FIELD TYPE & SIZE**

1. Stone Bed  2. Stone Trench

3. Proprietary Device  
 a. cluster array  c. Linear  
 b. regular load  d. H-20 load

4. Other \_\_\_\_\_

SIZE **1500**  sq. ft.  lin. ft.

**GARBAGE DISPOSAL UNIT**

1.  No  3.  Maybe

2.  Yes >> Specify one below:  
 a. multi-compartment tank  
 b. \_\_\_\_\_ tanks in series  
 c. increase in tank capacity  
 d. Filter on Tank Outlet

**DESIGN FLOW**

**360** gallons per day  
 BASED ON:  
 1. Table 501.1 (dwelling unit(s))  
 2. Table 501.2 (other facilities)

SHOW CALCULATIONS -for other facilities-

**SOIL DATA & DESIGN CLASS**

PROFILE CONDITION DESIGN  
**8 / C / 1**

at Observation Hole # **TP-1**  
 Depth **16** "  
 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 or experimental systems

DOSE \_\_\_\_\_ gallons

3. Section 503.0 (meter readings)  
 ATTACH WATER METER DATA

**LATITUDE AND LONGITUDE**  
 at center of disposal area  
 Lat. **44** d **22** m **00** s  
 Long. **69** d **44** m **04** s  
 if gps, state margin of error: **30 ft**

**SITE EVALUATOR'S STATEMENT**

I certify that on **9/26/07** (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).

Site Evaluator Signature: *William P Brown* SE#: **188** Date: **9/26/2007**

Site Evaluator Name Printed: **WILLIAM P BROWN** Telephone Number: **293-2110** E-mail Address: \_\_\_\_\_

Note: Changes to or deviations from the design should be confirmed with the Site Evaluator.



# SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Department of Human Services  
Division of Health Engineering, Station 10

Town, City, Plantation

**AUGUSTA**

Street, Road, Subdivision

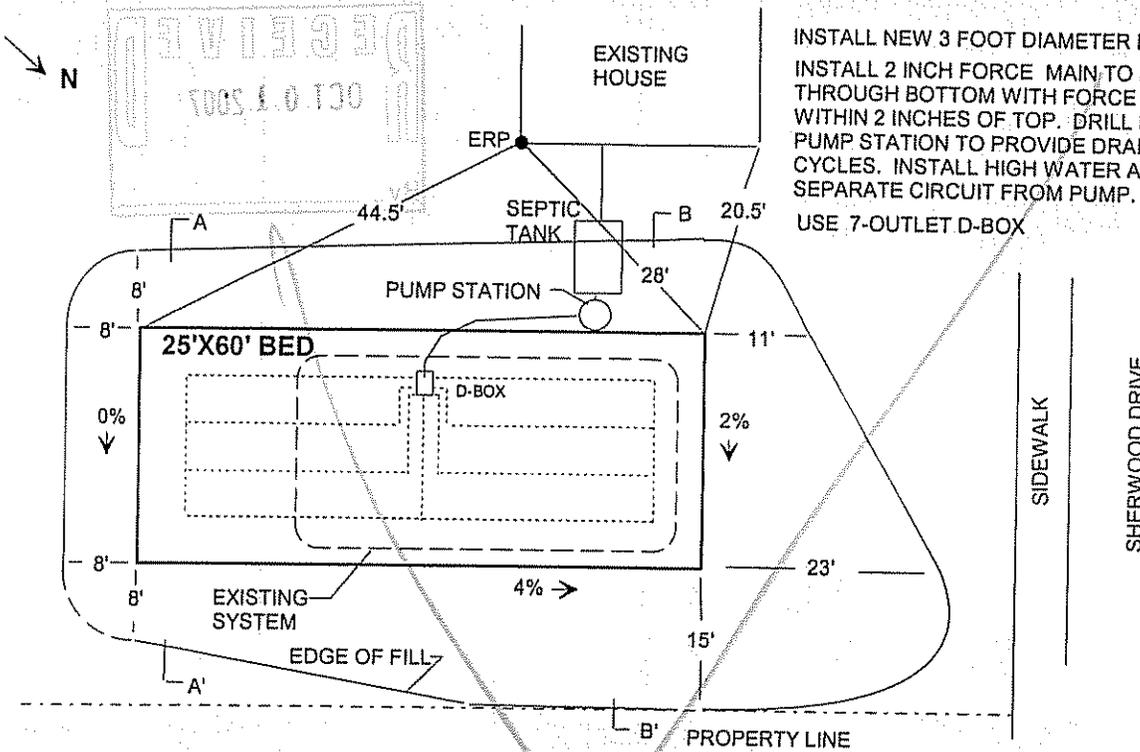
**SHERWOOD DRIVE**

Owner or Applicant Name

**DAVID HUNT**

## SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale 1" = 20' Ft.



INSTALL NEW 3 FOOT DIAMETER PUMP STATION.  
INSTALL 2 INCH FORCE MAIN TO D-BOX. ENTER D-BOX THROUGH BOTTOM WITH FORCE MAIN AND EXTEND PIPE TO WITHIN 2 INCHES OF TOP. DRILL HOLE IN FORCE MAIN INSIDE PUMP STATION TO PROVIDE DRAINBACK BETWEEN PUMP CYCLES. INSTALL HIGH WATER ALARM INSIDE HOUSE ON SEPARATE CIRCUIT FROM PUMP.  
USE 7-OUTLET D-BOX

PUMP OUT SEPTIC TANK AND DISPOSAL SYSTEM. REMOVE ENTIRE DISPOSAL SYSTEM, ALL CONTAMINATED SOIL BENEATH, AND THE FILL EXTENSION TO ORIGINAL GRADE. SCARIFY ORIGINAL SOIL AND REPLACE WITH GRAVELLY COARSE SAND TO ELEVATION OF NEW DISPOSAL SYSTEM.

STEEPEN SLOPE NEAR PROPERTY LINE TO 3:1, AS NECESSARY TO MAINTAIN FILL ON PROPERTY.  
INSTALL RISER TO GRADE OVER PUMP STATION

### BACKFILL REQUIREMENTS

Depth of Fill (Upslope) **21-22"**  
Depth of Fill (Downslope) **26-32"**  
DEPTHS AT CROSS-SECTION (shown below)

### CONSTRUCTION ELEVATIONS

Finished Grade Elevation **VARIES**  
Top of Distribution Pipe or Proprietary device **-10"**  
Bottom of Disposal Area **-21"**

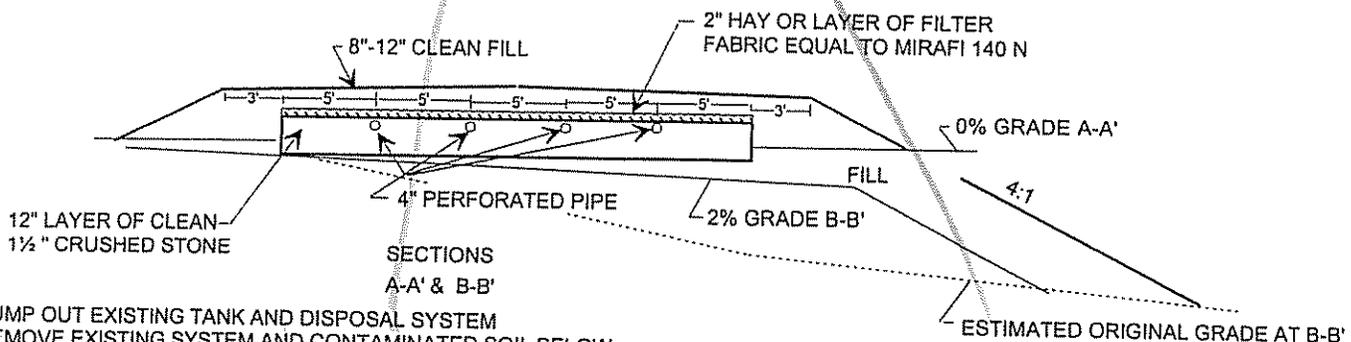
### ELEVATION REFERENCE POINT

Location and Description:  
**BOTTOM OF CORNER TRIM BOARD AT BACK CORNER OF HOUSE**  
Reference Elevation is: **00.0"**

### DISPOSAL AREA CROSS SECTION

Scale:

Vertical: 1 inch = 5 Ft.  
Horizontal: 1 inch = 10 Ft.



PUMP OUT EXISTING TANK AND DISPOSAL SYSTEM  
REMOVE EXISTING SYSTEM AND CONTAMINATED SOIL BELOW.  
MOVE FILL EXTENSION SOIL AND DISPOSE ON-SITE.  
SCARIFY ENTIRE FILL AREA  
MIX 4 INCHES OF FILL MATERIAL THOROUGHLY WITH EXISTING SOIL TO FORM TRANSITION ZONE (ACCORDING TO CHAPTER 8, PLUMBING CODE)  
ALL FILL SHALL BE GRAVELLY COARSE SAND  
CROWN FINISH GRADE FROM CENTER AT 3%  
LOAM, SEED, MULCH DISTURBED AREAS

WILLIAM P BROWN *William P Brown*  
Site Evaluator Signature

188  
SE #

9/26/2007  
Date

Page 3 of 3  
HHE-200 Rev. 10/02

WILLIAM P BROWN  
809 POND ROAD  
MT VERNON, ME 04352

October 8, 2007

Plumbing Inspector  
City of Augusta  
Augusta, ME 04330

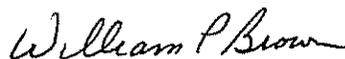
Re: David Hunt Septic System Design  
Augusta, ME

Dear LPI,

Enclosed is a revised HHE-200 form for David Hunt's house on Sherwood Drive in Augusta. The revised design is a result of discussions with the homeowner and contractor to improve the drainage in the back yard. This design is the same size as previously, however, the foot print will be 30 ft by 50 ft instead of 25 ft by 60 ft. This will allow for positive drainage away from the back yard and disposal system.

If you have any questions about this design, please contact me at 293-2110.

Sincerely,



William P Brown SE # 188

cc: David Hunt



Replacement System Variance Request

VARIANCE CATEGORY	LIMIT OF LPI'S APPROVAL AUTHORITY						VARIANCE REQUESTED TO:	
	SOILS							
Soil Profile	Ground Water Table			to 7"			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	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	300 ft	100 ft	100 ft	100 ft		
Owner's wells	100 down to 60 ft[a]	200 down to 100 ft	300 down to 150 ft	100 down to 50 ft[b]	100 down to 50 ft	100 down to 50 ft		
Neighbor's wells	100 down to 60 ft [f]	200 down to 120 ft [f]	300 down to 180 ft [f]	100 down to 50 ft [f]	100 down to 75 ft [f]	100 down to 75 ft [f]		
Water supply line	10 ft [h]	20 ft [h]	25 ft [h]	10 ft [h]	10 ft [h]	10 ft [h]		
Water course, major	100 down to 60 ft[d]	200 down to 120 ft[d]	100 down to 180 ft[d]	100 down to 50 ft[b]	100 down to 50 ft	100 down to 50 ft		
Water course, minor	50 down to 25 ft [e]	100 down to 50 ft [e]	150 down to 75 ft [e]	50 down to 25 ft [e]	50 down to 25 ft [e]	50 down to 25 ft [e]		
Drainage ditches	25 down to 12 ft	50 down to 25 ft	75 down to 35 ft	25 down to 12 ft	25 down to 12 ft	25 down to 12 ft		
Edge of fill extension -- Coastal wetlands, special freshwater wetlands, great ponds, rivers, streams	25 ft [e]	25 ft [e]	25 ft [e]	25 ft [e]	25 ft [e]	25 ft [e]		
Slopes greater than 3:1	10 ft [g]	18 ft [g]	25 ft [g]	N/A	N/A	N/A		
No full basement (e.g. slab, frost wall, columns)	15 down to 7 ft	30 down to 15 ft	40 down to 20 ft	8 down to 5 ft	14 down to 7 ft	20 down to 10 ft		
Full basement (below grade foundation)	20 down to 10 ft	30 down to 15 ft	40 down to 20 ft	8 down to 5 ft	14 down to 7 ft	20 down to 10 ft	15'	
Property lines	10 down to 5 ft[c]	18 down to 9 ft[c]	20 down to 10 ft[c]	10 down to 4 ft[c]	15 down to 7 ft[c]	20 down to 10 ft[c]		
Burial sites or graveyards, measured from the downhill toe of the fill extension	25 ft	25 ft	25 ft	25 ft	25 ft	25 ft		

OTHER

1. STEEPEN SLOPE TO 3 TO 1 NEAR PROPERTY LINE

2. \_\_\_\_\_

3. \_\_\_\_\_

- Footnotes: [a] Single-family well setbacks may be reduced as prescribed in Section 701.2  
 [b] This distance may be reduced to 25 feet, if the septic tank or holding tank is tested in the plumbing inspector's presence and shown to be watertight or of monolithic construction.  
 [c] Additional setbacks may be needed to prevent fill material extensions from encroaching on abutting property.  
 [d] Additional setbacks may be required by local Shoreland zoning.  
 [e] Natural Resources Protection Act requires a 25 foot setback on slopes of less than 20%, from the edge of soil disturbance and 100 feet on slopes greater than 20%. See Chapter 15.  
 [f] May not be any closer to neighbor's well than the existing disposal field or septic tank unless written permission is granted by the neighbor. This setback may be reduced for single family houses with Department approval. See Section 702.3.  
 [g] The fill extension shall reach the existing ground before the 3:1 slope or within 100 feet of the disposal field.  
 [h] See Section 1402.8 for special procedures when these minimum setbacks cannot be achieved.

WILLIAM P BROWN *William P Brown*  
 SITE EVALUATOR'S SIGNATURE

9/26/2007 REVISED 10/8/07  
 DATE

FOR USE BY THE DEPARTMENT ONLY

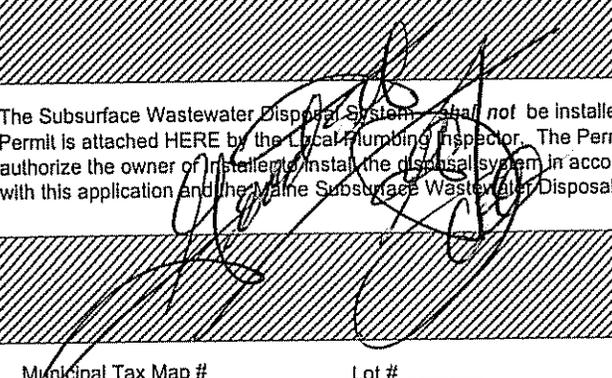
The Department has reviewed the variance(s) and ( )does ( )does not give its approval. Any additional requirements, recommendations, or reasons for the Variance denial, are given in the attached letter.

\_\_\_\_\_  
 SIGNATURE OF THE DEPARTMENT

\_\_\_\_\_  
 DATE

# SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Dept of Health & Human Services  
 Division of Health Engineering, 10SHS  
 (207)287-5672 FAX (207)287-3165

<b>PROPERTY LOCATION</b>		>> CAUTION: PERMIT REQUIRED -- ATTACH IN SPACE BELOW <<  
City, Town, Plantation	AUGUSTA	
Street or Road	SHERWOOD DRIVE	
Subdivision, Lot #		
The Subsurface Wastewater Disposal System shall not be installed until a Permit is attached HERE by the Local Plumbing Inspector. The Permit shall authorize the owner of the installation to install the disposal system in accordance with this application and the Maine Subsurface Wastewater Disposal Rules		
<b>OWNER/APPLICANT INFORMATION</b>		
Name (last, first, MI)	HUNT, DAVID <input checked="" type="checkbox"/> Owner <input type="checkbox"/> Applicant	
Mailing Address of Owner/Applicant	42 SHERWOOD DRIVE AUGUSTA, ME 04330	
Daytime Tel. #	622-4734	Municipal Tax Map # _____ Lot # _____

<b>OWNER OR APPLICANT STATEMENT</b> 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. Signature of Owner/Applicant: <u>David Hunt</u> Date: <u>10/19/07</u>	<b>CAUTION: INSPECTION REQUIRED</b> I have inspected the installation authorized above and found it to be in compliance with the Subsurface Wastewater Disposal Rules Application Local Plumbing Inspector Signature: <u>[Signature]</u> (1st) Date Approved: <u>12/16/07</u> (2nd) Date Approved: _____
--	---

<b>PERMIT INFORMATION</b>		
<b>TYPE OF APPLICATION</b> <input type="checkbox"/> 1. First Time System <input checked="" type="checkbox"/> 2. Replacement System Type replaced <u>BED</u> Year installed <u>1980'S</u> <input type="checkbox"/> 3. Expanded System <input type="checkbox"/> a. Minor Expansion <input type="checkbox"/> b. Major Expansion <input type="checkbox"/> 4. Experimental System <input type="checkbox"/> 5. Seasonal Conversion	<b>THIS APPLICATION REQUIRES</b> <input type="checkbox"/> 1. No Rule Variance <input type="checkbox"/> 2. 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"/> 3. Replacement System Variance <input checked="" type="checkbox"/> a. Local Plumbing Inspector approval <input type="checkbox"/> b. State & Local Plumbing Inspector approval <input type="checkbox"/> 4. Minimum Lot Size Variance <input type="checkbox"/> 5. Seasonal Conversion Permit	<b>DISPOSAL SYSTEM COMPONENTS</b> <input type="checkbox"/> 1. Complete Non-engineered System <input type="checkbox"/> 2. Primitive System (graywater & alt. toilet) <input type="checkbox"/> 3. Alternative Toilet, specify _____ <input type="checkbox"/> 4. Non-Engineered Treatment Tank (only) <input type="checkbox"/> 5. Holding Tank, _____ gallons <input checked="" type="checkbox"/> 6. Non-engineered Disposal Field (only) <input type="checkbox"/> 7. Separated Laundry System <input type="checkbox"/> 8. Complete Engineered System (2000 gpd or more) <input type="checkbox"/> 9. Engineered Treatment Tank (only) <input type="checkbox"/> 10. Engineered Disposal Field (only) <input type="checkbox"/> 11. Pretreatment, specify: _____ <input checked="" type="checkbox"/> 12. Miscellaneous Components
<b>SIZE OF PROPERTY</b> 0.48 <input type="checkbox"/> sq. ft. <input checked="" type="checkbox"/> acres	<b>DISPOSAL SYSTEM TO SERVE:</b> <input checked="" type="checkbox"/> 1. Single Family Dwelling Unit, No. of Bedrooms: <u>4</u> <input type="checkbox"/> 2. Multiple Family Dwelling Unit, No. of Units: _____ <input type="checkbox"/> 3. Other _____ (specify) Current Use <input type="checkbox"/> Seasonal <input checked="" type="checkbox"/> Year Round <input type="checkbox"/> Undeveloped	<b>TYPE OF WATER SUPPLY</b> <input type="checkbox"/> 1. Drilled Well <input type="checkbox"/> 2. Dug Well <input type="checkbox"/> 3. Private <input checked="" type="checkbox"/> 4. Public <input type="checkbox"/> 5. Other
<b>SHORELAND ZONING</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)	

<b>TREATMENT TANK</b> <input checked="" type="checkbox"/> 1. Concrete <input type="checkbox"/> a. Regular <input type="checkbox"/> b. Low Profile <input type="checkbox"/> 2. Plastic <input type="checkbox"/> 3. Other <u>EXISTING</u> CAPACITY <u>1000</u> GAL.	<b>DISPOSAL FIELD TYPE &amp; SIZE</b> <input checked="" type="checkbox"/> 1. Stone Bed <input type="checkbox"/> 2. Stone Trench <input type="checkbox"/> 3. Proprietary Device <input type="checkbox"/> a. cluster array <input type="checkbox"/> c. Linear <input type="checkbox"/> b. regular load <input type="checkbox"/> d. H-20 load <input type="checkbox"/> 4. Other _____ SIZE <u>1500</u> <input checked="" type="checkbox"/> sq. ft. <input type="checkbox"/> lin. ft.	<b>GARBAGE DISPOSAL UNIT</b> 1. <input checked="" type="checkbox"/> No <input type="checkbox"/> 3. Maybe 2. <input type="checkbox"/> Yes >> Specify one below: <input type="checkbox"/> a. multi-compartment tank <input type="checkbox"/> b. _____ tanks in series <input type="checkbox"/> c. increase in tank capacity <input type="checkbox"/> d. Filter on Tank Outlet	<b>DESIGN FLOW</b> <u>360</u> gallons per day BASED ON: <input checked="" type="checkbox"/> 1. Table 501.1 (dwelling unit(s)) <input type="checkbox"/> 2. Table 501.2 (other facilities) SHOW CALCULATIONS -for other facilities-
<b>SOIL DATA &amp; DESIGN CLASS</b> PROFILE <u>8</u> / CONDITION <u>C</u> / DESIGN <u>1</u> at Observation Hole # <u>TP-1</u> Depth <u>16</u> " of Most Limiting Soil Factor	<b>DISPOSAL FIELD SIZING</b> 1. <input type="checkbox"/> Small - 2.0 sq. ft./gpd 2. <input type="checkbox"/> Medium - 2.6 sq. ft./gpd 3. <input type="checkbox"/> Medium-Large - 3.3 sq. ft./gpd 4. <input checked="" type="checkbox"/> Large - 4.1 sq. ft./gpd 5. <input type="checkbox"/> Extra-Large - 5.0 sq. ft./gpd	<b>EFFLUENT/EJECTOR PUMP</b> 1. <input type="checkbox"/> Not Required 2. <input type="checkbox"/> May Be Required 3. <input checked="" type="checkbox"/> Required >> Specify only for engineered or experimental systems DOSE _____ gallons	<input type="checkbox"/> 3. Section 503.0 (meter readings) ATTACH WATER METER DATA <b>LATITUDE AND LONGITUDE</b> at center of disposal area Lat. <u>44</u> d <u>22</u> m <u>00</u> s Long. <u>69</u> d <u>44</u> m <u>04</u> s if gps, state margin of error: <u>30</u> ft.

**SITE EVALUATOR'S STATEMENT**

I certify that on 9/26/07 (date) I completed a site evaluation on this property and state that the data reported are accurate and the proposed system is in compliance with the State of Maine Subsurface Wastewater Disposal Rules (10-144A CMR 241).

<u>William P. Brown</u> Site Evaluator Signature	188 SE#	9/26/2007 REVISED 10/8/07 Date
WILLIAM P BROWN Site Evaluator Name Printed	293-2110 Telephone Number	_____ E-mail Address



# SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Department of Human Services  
Division of Health Engineering, Station 10

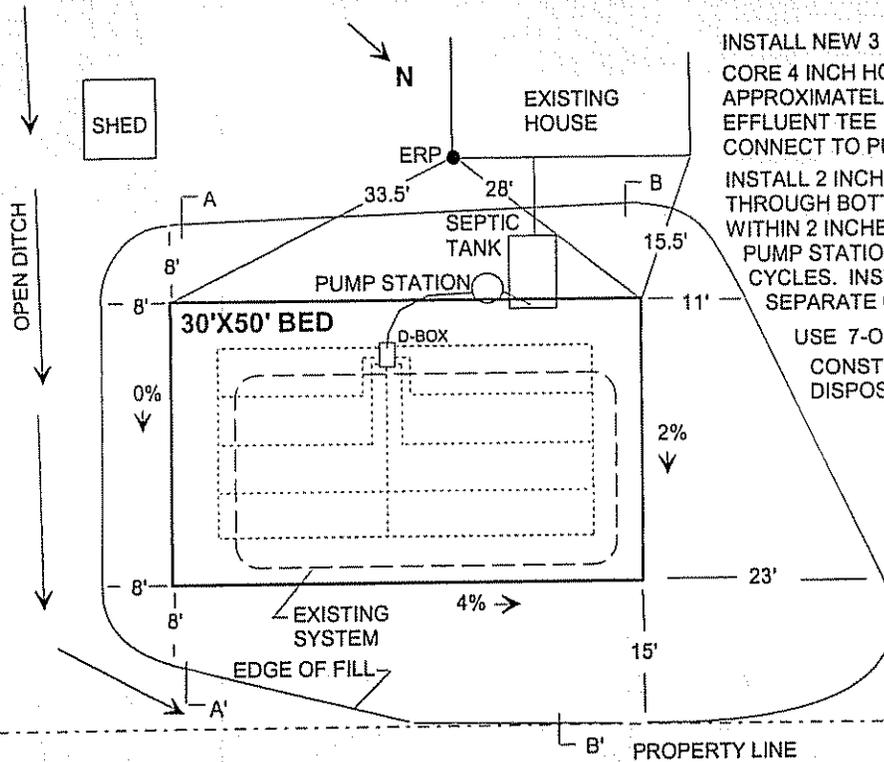
Town, City, Plantation  
**AUGUSTA**

Street, Road, Subdivision  
**SHERWOOD DRIVE**

Owner or Applicant Name  
**DAVID HUNT**

## SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale 1" = 20' Ft.



INSTALL NEW 3 FOOT DIAMETER PUMP STATION.  
CORE 4 INCH HOLE IN SIDE OF EXISTING SEPTIC TANK, APPROXIMATELY 11 INCHES BELOW TOP. INSERT 4 INCH PVC EFFLUENT TEE UNDER EFFLUENT CLEANOUT COVER. CONNECT TO PUMP STATION. PLUG EXISTING OUTLET.  
INSTALL 2 INCH FORCE MAIN TO D-BOX. ENTER D-BOX THROUGH BOTTOM WITH FORCE MAIN AND EXTEND PIPE TO WITHIN 2 INCHES OF TOP. DRILL HOLE IN FORCE MAIN INSIDE PUMP STATION TO PROVIDE DRAINBACK BETWEEN PUMP CYCLES. INSTALL HIGH WATER ALARM INSIDE HOUSE ON SEPARATE CIRCUIT FROM PUMP.  
USE 7-OUTLET D-BOX  
CONSTRUCT OPEN DITCH AT LEAST 10 FT FROM DISPOSAL SYSTEM TO DIVERT SURFACE WATER

PUMP OUT SEPTIC TANK AND DISPOSAL SYSTEM. REMOVE ENTIRE DISPOSAL SYSTEM, ALL CONTAMINATED SOIL BENEATH, AND THE FILL EXTENSION TO ORIGINAL GRADE. SCARIFY ORIGINAL SOIL AND REPLACE WITH GRAVELLY COARSE SAND TO ELEVATION OF NEW DISPOSAL SYSTEM.

STEEPEN SLOPE NEAR PROPERTY LINE TO 3:1, AS NECESSARY TO MAINTAIN FILL ON PROPERTY.  
INSTALL RISER TO GRADE OVER PUMP STATION AND SEPTIC TANK CLEANOUT

### BACKFILL REQUIREMENTS

Depth of Fill (Upslope) **21-22"**  
Depth of Fill (Downslope) **24-30"**  
DEPTHS AT CROSS-SECTION (shown below)

### CONSTRUCTION ELEVATIONS

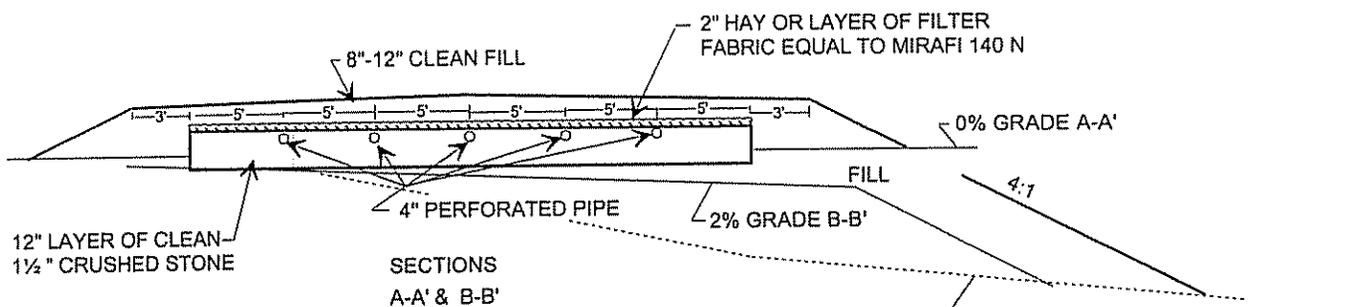
Finished Grade Elevation **VARIES**  
Top of Distribution Pipe or Proprietary device **-12"**  
Bottom of Disposal Area **-23"**

ELEVATION REFERENCE POINT  
Location and Description:  
**BOTTOM OF CORNER TRIM BOARD AT BACK CORNER OF HOUSE**  
Reference Elevation is: 00.0"

### DISPOSAL AREA CROSS SECTION

Scale:

Vertical: 1 inch = 5 Ft.  
Horizontal: 1 inch = 10 Ft.



PUMP OUT EXISTING TANK AND DISPOSAL SYSTEM  
REMOVE EXISTING SYSTEM AND CONTAMINATED SOIL BELOW.  
REMOVE FILL EXTENSION SOIL AND DISPOSE ON-SITE.  
SCARIFY ENTIRE FILL AREA  
MIX 4 INCHES OF FILL MATERIAL THOROUGHLY WITH EXISTING SOIL TO FORM A TRANSITION ZONE (ACCORDING TO CHAPTER 8, PLUMBING CODE)  
ALL FILL SHALL BE GRAVELLY COARSE SAND  
CROWN FINISH GRADE FROM CENTER AT 3%  
LOAM, SEED, MULCH DISTURBED AREAS

WILLIAM P BROWN  
Site Evaluator Signature

*William P Brown*

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9/26/2007 REVISED 10/8/07  
Date

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