

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

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

PROPERTY LOCATION		>> CAUTION: PERMIT REQUIRED -- ATTACH IN SPACE BELOW <<	
City, Town, or Plantation	AUGUSTA	AUGUSTA PERMIT # 5911 TOWN COPY Date Permit Issued: <u>12-15-06</u> \$ <u>120.00</u> FEE Double Fee Charged <input type="checkbox"/> Local Plumbing Inspector Signature: <u>[Signature]</u> L.P.I. # <u>850</u>	
Street or Road	KENNEDY ROAD		
Subdivision, Lot #			
OWNER/APPLICANT INFORMATION			
Name (last, first, MI)	CROWELL, DAVID <input checked="" type="checkbox"/> Owner <input type="checkbox"/> Applicant		
Mailing Address of Owner/Applicant	NORTHCENTER FOODSERVICE P O BOX 2628 AUGUSTA, ME 04338		
Daytime Tel. #	623-8451		

OWNER OR APPLICANT STATEMENT		CAUTION: INSPECTION REQUIRED	
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.		I have inspected the installation authorized above and found it to be in compliance with the Subsurface Wastewater Disposal Rules Application	
Signature of Owner/Applicant: <u>David Crowell</u> Date: <u>12-15-06</u>		Local Plumbing Inspector Signature: _____ (1st) Date Approved: _____ _____ (2nd) Date Approved: _____	

PERMIT INFORMATION			
TYPE OF APPLICATION		DISPOSAL SYSTEM TO SERVE:	
<input type="checkbox"/> 1. First Time System <input checked="" type="checkbox"/> 2. Replacement System Type replaced <u>TRENCH</u> Year installed <u>UNKNOWN</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		<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	
SIZE OF PROPERTY		DISPOSAL SYSTEM COMPONENTS	
4 <input type="checkbox"/> sq. ft. <input checked="" type="checkbox"/> acres		<input checked="" 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 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 type="checkbox"/> 12. Miscellaneous Components	
SHORELAND ZONING		TYPE OF WATER SUPPLY	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> 1. Drilled Well <input checked="" type="checkbox"/> 2. Dug Well <input type="checkbox"/> 3. Private <input type="checkbox"/> 4. Public <input type="checkbox"/> 5. Other	

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)			
TREATMENT TANK		DISPOSAL FIELD TYPE & SIZE	
<input checked="" type="checkbox"/> 1. Concrete <input checked="" type="checkbox"/> a. Regular <input type="checkbox"/> b. Low Profile <input type="checkbox"/> 2. Plastic <input type="checkbox"/> 3. Other _____ CAPACITY <u>1000</u> GAL.		<input type="checkbox"/> 1. Stone Bed <input type="checkbox"/> 2. Stone Trench <input checked="" type="checkbox"/> 3. Proprietary Device <input type="checkbox"/> a. cluster array <input checked="" type="checkbox"/> c. Linear <input checked="" type="checkbox"/> b. regular load <input type="checkbox"/> d. H-20 load <input type="checkbox"/> 4. Other _____ SIZE <u>1248</u> <input checked="" type="checkbox"/> sq. ft. <input type="checkbox"/> lin. ft.	
SOIL DATA & DESIGN CLASS		GARBAGE DISPOSAL UNIT	
PROFILE CONDITION DESIGN <u>8</u> / <u>D</u> / <u>3</u> at Observation Hole # <u>TP-1</u> Depth <u>10</u> " of Most Limiting Soil Factor		1. <input checked="" type="checkbox"/> No 3. <input type="checkbox"/> 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	
DISPOSAL FIELD SIZING		EFFLUENT/EJECTOR PUMP	
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		1. <input type="checkbox"/> Not Required 2. <input checked="" type="checkbox"/> May Be Required 3. <input type="checkbox"/> Required >> Specify only for engineered or experimental systems DOSE _____ gallons	
		DESIGN FLOW	
		270 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- <input type="checkbox"/> 3. Section 503.0 (meter readings) ATTACH WATER METER DATA LATITUDE AND LONGITUDE at center of disposal area Lat. <u>44</u> d <u>17</u> m <u>46</u> s Long. <u>69</u> d <u>46</u> m <u>37</u> s if gps, state margin of error: <u>30</u> ft.	

SITE EVALUATOR'S STATEMENT		
I certify that on <u>12/7/06</u> (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: <u>William P Brown</u> Site Evaluator Name Printed: WILLIAM P BROWN	SE#: <u>188</u> Telephone Number: <u>293-2110</u>	Date: <u>12/7/2006</u> E-mail Address: _____

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

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Maine Department of Human Services
Division of Health Engineering, Station 10
(207) 287-5672 FAX 207 287-4165

Town, City, Plantation
AUGUSTA

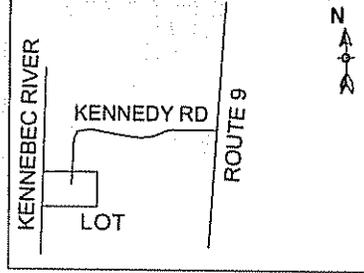
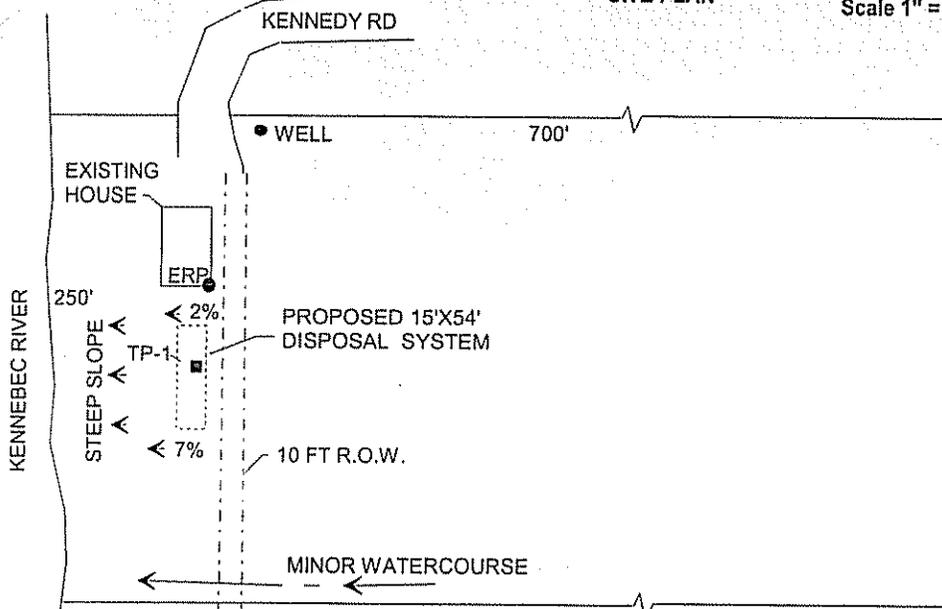
Street, Road, Subdivision
KENNEDY ROAD

Owner or Applicant Name
DAVID CROWELL

SITE PLAN

Scale 1" = 100 Ft.

SITE LOCATION PLAN
(Attach map from Maine Atlas
for First Time System Variance)



OTHER LOCATIONS ON THE PROPERTY FOR THE DISPOSAL SYSTEM APPEAR TO HAVE SLOPES IN EXCESS OF 20%.

ERP TO TP-1 = 24'

PROPOSED SYSTEM WILL BE 15 FEET FROM THE HOUSE, 75 FT FROM THE OWNER'S DUG WELL, AND APPROXIMATELY 65 FT FROM THE RIVER.

THE NEW ONE-PIECE SEPTIC TANK WILL BE LOCATED AT LEAST 8 FT FROM HOUSE, 70 FT FROM THE RIVER, AND 65 FT FROM THE DUG WELL.

A COMBINATION SEPTIC TANK / LIFT STATION WILL LIKELY BE NEEDED TO SERVE THE EXISTING HOUSE. IF THE EXISTING HOUSE IS RAISED OR RE-LOCATED, IT WILL BE POSSIBLE TO AVOID THE PUMP STATION.

SOIL PROFILE DESCRIPTION AND CLASSIFICATION

Observation Hole # TP-1 Test Pit Boring
0" Depth of organic horizon above mineral soil

DEPTH BELOW MINERAL SOIL SURFACE (Inches)	Texture	Consistency	Color	Mottling
0	SANDY LOAM	FRIABLE	MEDIUM BROWN	NONE
10	SILT LOAM	FIRM	YELLOW BROWN OLIVE BROWN	COMMON
20				
30				
40				
50				
Soil Classification: <u>8</u> <u>D</u>		Slope: <u>2-7</u> %	Limiting Factor: <u>10</u> "	<input checked="" type="checkbox"/> Groundwater <input type="checkbox"/> Restrictive Layer <input type="checkbox"/> Bedrock
Profile Condition		Percent	Depth	

(Location of Observation Holes Shown Above)

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		Slope	Limiting Factor	<input type="checkbox"/> Groundwater <input type="checkbox"/> Restrictive Layer <input type="checkbox"/> Bedrock
Profile Condition		Percent	Depth	

WILLIAM P BROWN *William P Brown*
Site Evaluator Signature

188
SE #

12/7/2006
Date

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SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Town, City, Plantation
AUGUSTA

Street, Road, Subdivision
KENNEDY ROAD

Division of Health Engineering
Department of Human Services
Owners Name
DAVID CROWELL

SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale 1" = 20 Ft.

INSTALL 18 INCH DEEP OPEN DITCH OR CURTAIN DRAIN ON EDGE OF R.O.W.

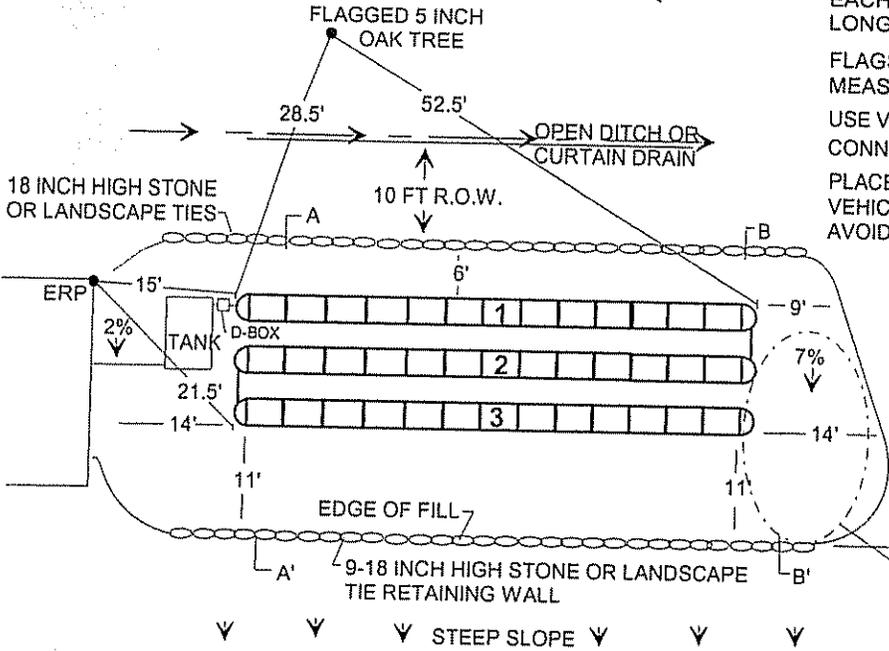
NORTH
←

USE 3 ROWS OF INFILTRATORS WITH 13 UNITS IN EACH ROW. EACH ROW IS 3 FEET APART. USE 4 FOOT LONG "QUICK 4" INFILTRATORS OR EQUIVALENT.

FLAGS MARK THE CORNERS OF THE SYSTEM WHICH MEASURES APPROX. 15 FT X 54 FT WITH ENDCAPS.

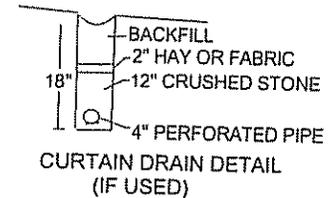
USE VERY COARSE GRAVEL NEAR INFILTRATORS CONNECT ENDS OF ROWS IN SERIAL DISTRIBUTION PLACE STONE OR LANDSCAPE TIES AS SHOWN TO KEEP VEHICLE TRAFFIC OFF DISPOSAL SYSTEM AND TO AVOID FILLING OVER STEEP EMBANKMENT.

THIS DESIGN SHOWS THE PLACEMENT OF A ONE-PIECE COMBINATION SEPTIC TANK / LIFT STATION FOR THE EXISTING HOUSE. IF THE HOUSE LOCATION CHANGES, THE SEPTIC TANK SHOULD BE PLACED 8 FEET FROM THE NEW HOUSE FOUNDATION. A LIFT STATION WILL NOT BE NEEDED. THE PIPE FROM THE TANK TO THE D-BOX MUST BE SLEEVED UNDER THE R.O.W.



THIS AREA CONTAINS ORGANIC DEBRIS THAT MUST BE REMOVED AND REPLACED WITH GRAVELLY COARSE SAND

MAINTAIN FILL ABOVE STEEP SLOPE WITH STONE WALL OR LANDSCAPE TIES



FILL REQUIREMENTS

Depth of Fill (Upslope) **32-38"**
Depth of Fill (Downslope) **34-35"**
DEPTHS AT CROSS-SECTION (shwon below)

CONSTRUCTION ELEVATIONS

Finished Grade Elevation
Top of distribution Lines or Chambers
Bottom of Disposal Area

**VARIES
SEE
BELOW**

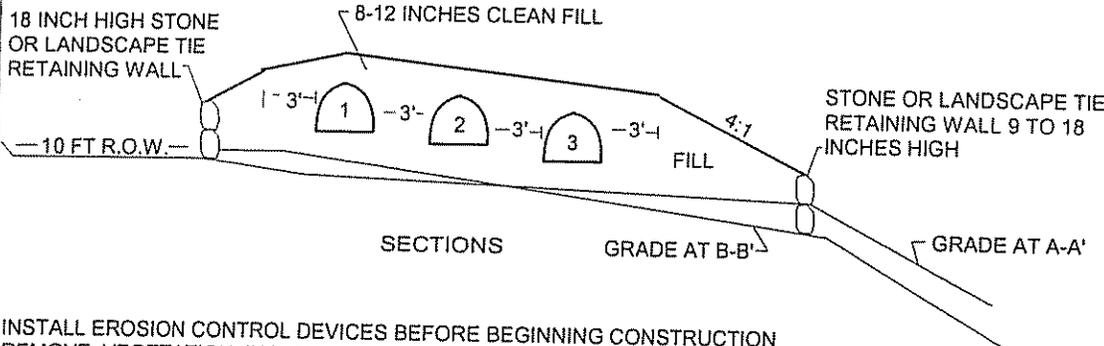
ELEVATION REFERENCE POINT

Location and Description:
BOTTOM OF CORNER TRIM BOARD AT SOUTEAST CORNER OF HOUSE
Reference Elevation is: **00"**

DISPOSAL AREA CROSS SECTION

Scale:

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



ROW	BOTTOM OF CHAMBER	TOP OF CHAMBER
1	+04"	+20"
2	00"	+16"
3	-04"	+12"

USE HIGH CAPACITY CHAMBERS THAT ARE 16 INCHES HIGH

INSTALL EROSION CONTROL DEVICES BEFORE BEGINNING CONSTRUCTION
REMOVE VEGETATION IN DISPOSAL AREA
SCARIFY ENTIRE FILL AREA
MIX 4 INCHES OF FILL MATERIAL THOROUGHLY WITH EXISTING SOIL TO FORM A TRANSITION ZONE (ACCORDING TO CHAPTER 8, MAINE PLUMBING CODE)
INSTALL ALL CHAMBERS PER MANUFACTURER'S RECOMMENDATIONS
USE VERY COARSE GRAVEL AROUND INFILTRATORS
ALL OTHER FILL SHALL BE GRAVELLY COARSE SAND
SLOPE FINISH GRADE ALL ONE WAY
LOAM, SEED, MULCH

WILLIAM P BROWN
Site Evaluator Signature

William P Brown

188
SE #

12/7/2006
Date

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Replacement System Variance Request

VARIANCE CATEGORY	LIMIT OF LPI'S APPROVAL AUTHORITY						VARIANCE REQUESTED TO:	
SOILS								
Soil Profile	8	Ground Water Table			to 7"		10 inches	
Soil Condition	D	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	75'	
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	65'	70'
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. STONE OR LANDSCAPE RETAINING WALLS TO BE USED TO MAINTAIN FILL ABOVE A STEEP EMBANKMENT AND TO KEEP VEHICLE TRAFFIC OFF DISPOSAL SYSTEM
- 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

12/7/2006

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