

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Department of Human Services
Division of Health Engineering, 10 SHS
(207) 287-5672 Fax: (207) 287-3165

PROPERTY LOCATION

CAUTION: LPI APPROVAL REQUIRED

City, Town, or Plantation: AUGUSTA
Street or Road: 16 ROLANDS WAY
Subdivision, Lot #: M4/L 13

Tc
Dt

AUGUSTA PERMIT #7158
Date Permit Issued: 11/2/15

TOWN COPY
\$ 250.00 fee
15.00
LPI # 550

Gay R. Fuller

OWNER/APPLICANT INFORMATION

Name (last, first, MI): HUTCHINSON, RICHARD
Mailing Address of Owner/Applicant: 46 SOUTH KEYNOLDS RD. WINSLOW, ME 04901
Daytime Tel. #: 259-961-7321

Owner
 Applicant

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.
Richard Hutchinson 11/4/15
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.
Local Plumbing Inspector Signature: _____ (1st) date approved: _____
_____ (2nd) date approved: _____

PERMIT INFORMATION

TYPE OF APPLICATION <input checked="" type="checkbox"/> 1. First Time System <input type="checkbox"/> 2. Replacement System Type replaced: _____ Year installed: _____ <input type="checkbox"/> 3. Expanded System <input type="checkbox"/> a. <25% Expansion <input type="checkbox"/> b. ~ 25% Expansion <input type="checkbox"/> 4. Experimental System <input type="checkbox"/> 5. Seasonal Conversion	THIS APPLICATION REQUIRES <input checked="" 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 <input type="checkbox"/> 3. Replacement System Variance <input type="checkbox"/> a. Local Plumbing Inspector Approval <input type="checkbox"/> b. State & Local Plumbing Inspector <input type="checkbox"/> 4. Minimum Lot Size Variance <input type="checkbox"/> 5. Seasonal Conversion Permit	DISPOSAL SYSTEM COMPONENTS <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. Pre-treatment, specify: _____ <input type="checkbox"/> 12. Miscellaneous Components
SIZE OF PROPERTY <u>39</u> <input type="checkbox"/> SQ. FT. <input checked="" type="checkbox"/> ACRES	DISPOSAL SYSTEM TO SERVE <input checked="" type="checkbox"/> 1. Single Family Dwelling Unit, No. of Bedrooms: <u>2</u> <input type="checkbox"/> 2. Multiple Family Dwelling, 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	TYPE OF WATER SUPPLY <input checked="" type="checkbox"/> 1. Drilled Well <input type="checkbox"/> 2. Dug Well <input type="checkbox"/> 3. Private <input type="checkbox"/> 4. Public <input type="checkbox"/> 5. Other
SHORELAND ZONING <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

TREATMENT TANK <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	DISPOSAL FIELD TYPE & SIZE <input type="checkbox"/> 1. Stone Bed <input type="checkbox"/> 2. Stone Trench <input checked="" type="checkbox"/> 3. Proprietary Device <input checked="" type="checkbox"/> a. cluster array <input type="checkbox"/> c. Linear <input type="checkbox"/> b. regular load <input type="checkbox"/> d. 11-20 load <input type="checkbox"/> 4. Other: _____ SIZE: <u>640</u> sq. ft. <input type="checkbox"/> lin. ft.	GARBAGE DISPOSAL UNIT <input checked="" type="checkbox"/> 1. No <input type="checkbox"/> 2. Yes <input type="checkbox"/> 3. Maybe If Yes or Maybe, 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	DESIGN FLOW <u>180</u> 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 —
SOIL DATA PROFILE <u>3</u> CONDITION <u>C</u> at Observation Hole # <u>TP-1</u> Depth <u>20"</u> of Most Limiting Soil Factor <u>Groundwater</u>	DISPOSAL FIELD SIZING <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	EFFLUENT/EJECTOR PUMP <input type="checkbox"/> 1. Not Required <input checked="" type="checkbox"/> 2. May Be Required <input type="checkbox"/> 3. Required Specify only for engineered systems: DOSE: _____ gallons	<input type="checkbox"/> 3. Section 4G (meter readings) ATTACH WATER METER DATA LATITUDE AND LONGITUDE at center of disposal area Lat. <u>N44</u> d <u>21</u> m <u>11.20</u> s Lon. <u>W69</u> d <u>40</u> m <u>28.76</u> s if g.p.s. state margin of error: <u>20</u>

SITE EVALUATOR STATEMENT

I certify that on 9/12/15 (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)

Paul A. Beers
Site Evaluator Signature SE # 56 Date 09/14/15
Site Evaluator Name Printed Telephone Number (207) 582-7400 Email Address dcaucar@mcn.com

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Division of Health Engineering, Station 10
(207) 287-5672 Fax: (207) 287-3165

Town, City, Plantation
AUGUSTA

Street, Road, Subdivision
16 ROLANDS WAY

Owner or Applicant Name
RICHARD HUTCHINSON

SITE PLAN Scale 1" = 60 ft.

SITE LOCATION PLAN

SEE ATTACHED



SEE ATTACHED SITE PLAN

NOTES:

- This is not a survey. All property lines, building locations and site features have been approximately located, unless otherwise shown.
- Septic tank and disposal field must be located at least 8' and 20' from a full foundation.

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

Observation Hole # 1B-1 Test Pit Boring

Observation Hole # _____ Test Pit Boring

_____ " Depth of organic horizon above mineral soil

_____ " Depth of organic horizon above mineral soil

Depth below mineral soil surface (inches)	Texture	Consistency	Color	Mottling
0	Fine Sandy Loam	Friable	Dark Brown	
6				
12	Fine Sandy Loam	Friable	Reddish Brown	
18				
24				
30	Fine Sandy Loam	Firm	Gray	Few & Faint
36				
42	Limit of Excavation at 36 inches			
48				

Soil Profile	Classification	Slope	Limiting Factor	<input checked="" type="checkbox"/> Groundwater
<u>3</u>	<u>C</u>	<u>8</u>	<u>20"</u>	<input type="checkbox"/> Restrictive Layer
	Condition	Percent	Depth	<input type="checkbox"/> Bedrock

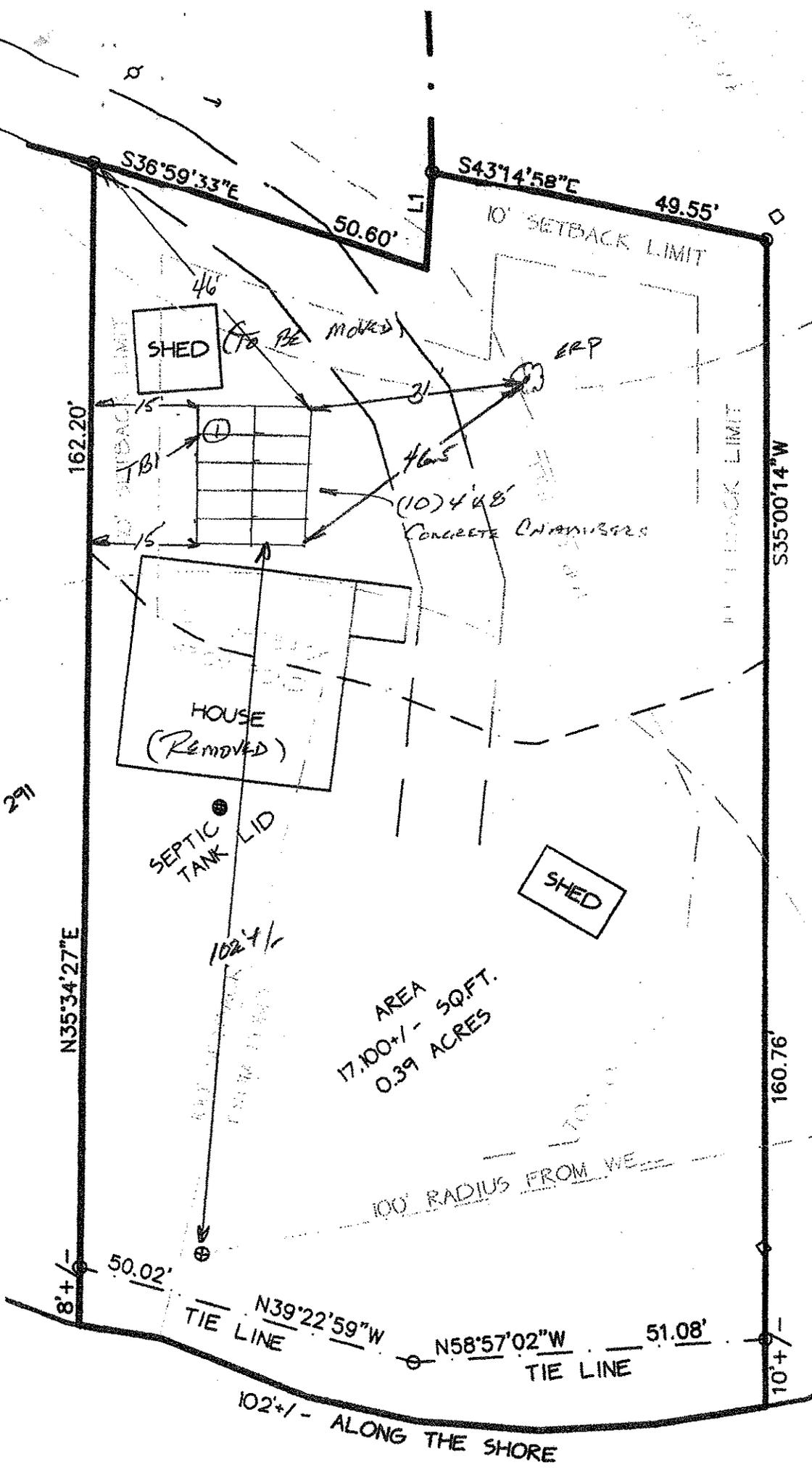
Depth below mineral soil surface (inches)	Texture	Consistency	Color	Mottling
0				
6				
12				
18				
24				
30				
36				
42				
48				

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

James C. Peers
Site Evaluator Signature

56
SE #

09/14/15
Date



N/F
 EDGAR MORTON
 MARTHA MORTON
 BOOK 2985 PAGE 59

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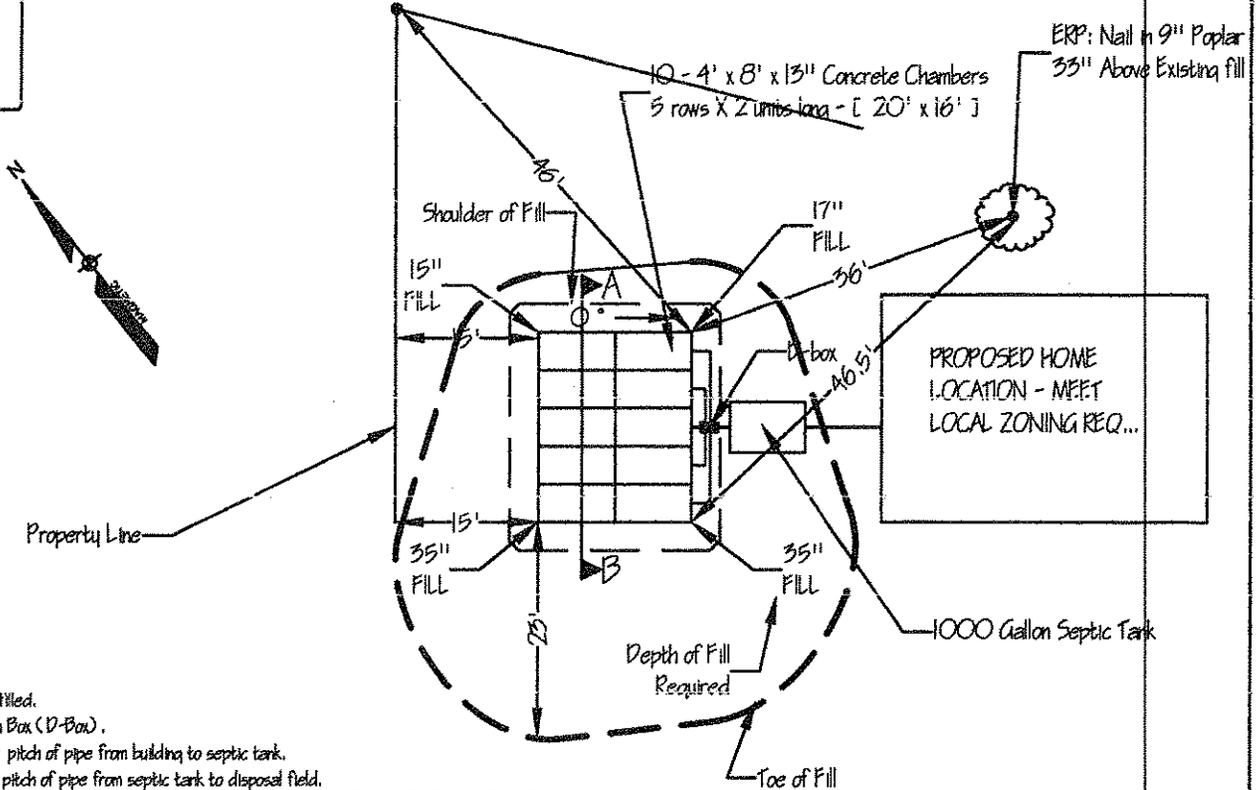
Street, Road, Subdivision
16 ROLANDS WAY

Owner or Applicant Name
RICHARD HUTCHINSON

SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale: 1" = 20' ft

Existing Grade Elevations
 -36" -38"
 -56" -56"
 FELD CORPERS



NOTES:

1. Scarify all ground to be filled.
2. Insulate the Distribution Box (D-Box).
3. Min. 1/4" / Ft (2%) pitch of pipe from building to septic tank.
4. Min. 1/8" / Ft (1%) pitch of pipe from septic tank to disposal field.

BACKFILL REQUIREMENTS

Depth of Backfill (upslope) 15" to 17"
 Depth of Backfill (downslope) 35"

CONSTRUCTION ELEVATIONS

Finished Grade Elevation (at Row 1) -21"
 Top of Proprietary Device (at Row 1) -33"
 Bottom of Disposal Field (at Row 1) -46"

ELEVATION REFERENCE POINT

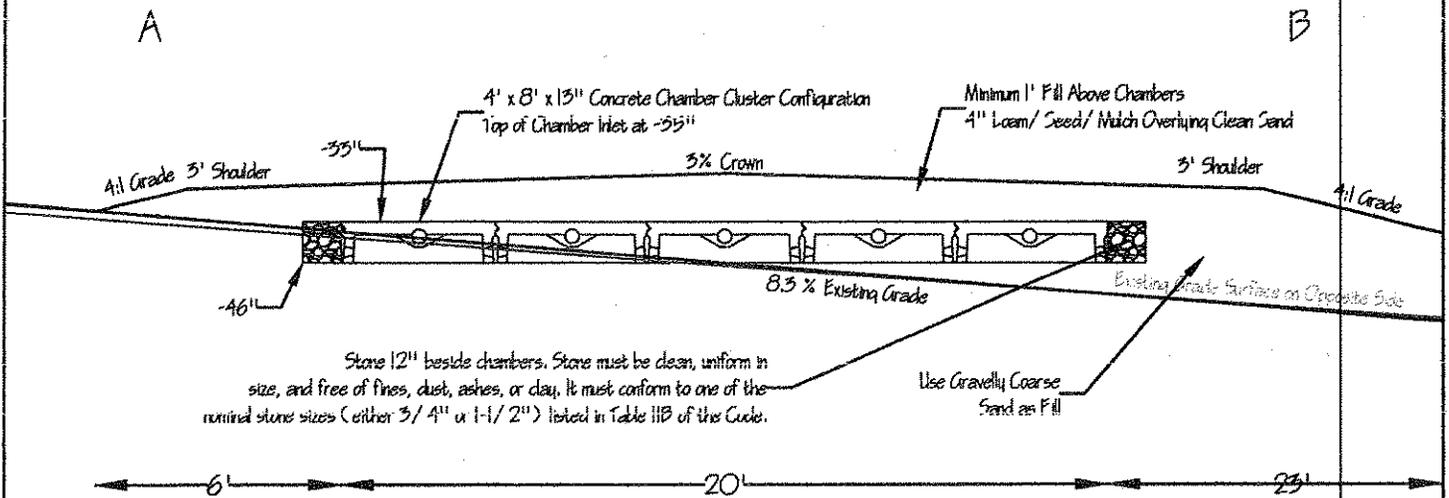
Location & Description: Nail in 9" Poplar
33" Above Existing fill
 Reference Elevation is 0.0" or: _____

NOTE: SCARIFY ALL GROUND SURFACE TO BE FILLED. USE GRAVELLY COARSE SAND WITHIN 5' OF CONCRETE CHAMBERS. REMAINING FILL: LOAMY SAND (no clay)

DISPOSAL FIELD CROSS SECTION

APPROXIMATE ABOVE GRADE FILL REQUIRED
 31.4 cubic yards of LOAM
 100.4 cubic yards of SAND
 Compaction: +20% Loam & +15% Sand
 Volume of chambers not considered

Scales:
 Vertical: 1" = 5'
 Horizontal: 1" = 5'



Paul C. Peers
 Site Evaluator Signature

56
 SE #

09/14/15
 Date

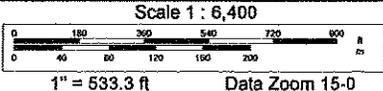
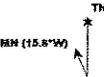
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Paul A. Beers LSE, CSS
26 Fairview Street
Gardiner, ME. 04345
207-582-7400

TOWN: Augusta LOCATION: 16 Roland's Way APPLICANT'S NAME: Richard Hutchinson

1) The Plumbing and Subsurface Wastewater Disposal Rules adopted by the State of Maine, Department of Human Services pursuant to 22 M.R.S.A. § 42 (the "Rules") are Incorporated herein by reference and made a part of this application and shall be consulted by the owner/applicant, the system Installer and/or building contractor for further construction details and material specifications. The system installer should contact Paul A. Beers 582-7400, if there are any questions concerning materials, procedures or designs. The system Installer and/or building contractor installing the system shall be solely responsible for compliance with the Rules and with all state and municipal laws and ordinances pertaining to the permitting, inspection and construction of subsurface wastewater disposal systems. **Paul A. Beers does not have a financial interest in any proprietary product that may be specified as part of the attached design.**

2) This application is intended to represent facts pertinent to the Rules only. It shall be the responsibility of the owner/applicant, system installer and/or building contractor to determine compliance with and to obtain permits under all applicable local, state and/or federal laws and regulations (including, without limitation, Natural Resources Protection Act, Vernal Pools, wetland regulations, zoning ordinances, subdivision regulations, Site Location of Development Act and minimum lot size laws) before installing this system or considering the property on which the system is to be installed a "Buildable" lot. It is recommended that a wetland scientist be consulted regarding wetland and vernal pool regulations.

Prior to the commencement of construction/installation, the local plumbing inspector shall inform the owner/applicant and Paul A. Beers of any local ordinances, which are more restrictive than the Rules in order that the design may be amended. All designs are subject to review by local, state and/or federal authorities. Paul A. Beers's liability shall be limited to revisions required by regulatory agencies pursuant to laws or regulations In effect at the time of preparation of this application.

3). All information shown on this application relating to property lines, well locations, subsurface structures and underground facilities (such as, utility lines, drains, septic systems, water lines, etc.) are based solely upon information provided by the owner/applicant and has been relied upon by Paul A. Beers in preparing this application. The owner/applicant shall review this application prior to the start of construction and confirm this information.

4). Installation of a garbage (grinder) disposal is not recommended. If one is installed, an additional 1000 gallon septic tank or a septic tank filter should be connected in series to the proposed septic tank.

5). The system user shall avoid introducing kitchen grease or fats into this system. Chemicals such as septic tank cleaners and/or chlorine (such as from water treatment) and controlled or hazardous substances shall not be disposed of in this system.

- 6) The septic tank should be pumped within two years of installation and subsequently as recommended by the pump service, but in no event should the septic tank be pumped less often than once every three years.
- 7) The actual water flow or number of bedrooms shall not exceed the design criteria indicated on this application without a re-evaluation of the system as proposed. If the system is supplied by public water or a private service with a water meter, the water consumption per period should be divided by the number of days to calculate the average daily water consumption (water usage (cu.ft.) x 7.48. (gallons per cu. ft.) .
- 8) The general minimum setback between a well and septic system serving a single family residence is 100-300 feet, unless the local municipality has a more stringent requirement. A well installed by an abutter within the minimum setback distances prior to the issuance of a permit for the proposed disposal system may void this design.
- 9) When a gravity system is proposed: **BEFORE CONSTRUCTION/INSTALLATION BEGINS**, the system installer or building contractor shall review the elevations of all points given in this application and the elevation of the existing and/or proposed building drain and septic tank inverts for compatibility to minimum slope requirements. In gravity systems, the invert of the septic tank(s) outlet(s) shall be at least 4 inches above the invert of the distribution box outlet at the disposal area (see pg 3 of HHE200). When an effluent pump is required, provisions shall be made to make certain that surface ground water does not enter the septic tank or pump station. An alarm device warning of a pump failure shall be installed. Insulate gravity pipes, pump lines and the distribution box as necessary to prevent freezing. Install risers to within 6" of grade on tank cleanout and to grade on tanks with effluent filter.
- 10) On all systems, remove the vegetation; organic duff and old fill material from under the disposal area and any fill extension. On sites where the proposed system is to be installed in natural soil, scarify the bottom and sides of the excavated disposal area with a rake. Do not use wheeled equipment on the scarified soil surface. For systems installed in fill, scarify the native soil by roto-tilling to a depth of at least 8 inches over the entire disposal and fill extension area to prevent glazing and to promote fill bonding. Place fill in loose layers no deeper than 8 inches and compact thoroughly before placing more fill (this ensures that voids and loose pockets are eliminated to minimize the chance of leakage). Do not use wheeled equipment on the scarified soil area until after 12 inches of fill is in place. Keep equipment off plastic chambers, leaching pipe or In-drains. Divert the surface water away from the disposal area by ditching or shallow swales.
- 11). Unless noted otherwise, fill shall be gravelly coarse sand, which contains no more than 5 % fines (silt and clay).
- 12). Do not install systems on loamy, silty, or clayey soils during wet periods since soil smearing/glazing will seal off the soil interface.
- 13). Seed all filled and disturbed surfaces with perennial grass seed, then mulch with hay or equivalent material to prevent erosion.