

# SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Dept. Health & Human Services  
 Division of Health Engineering, 10 SHS  
 (207) 287-5672 Fax: (207) 287-3185

<b>PROPERTY LOCATION</b>		<b>&gt;&gt; CAUTION: PERMIT REQUIRED - ATTACH IN SPACE BELOW &lt;&lt;</b>	
City, Town, or Plantation	AUGUSTA	AUGUSTA PERMIT # 5712 TOWN COPY Date Permit Issued: 1/17/06 \$1000 Local Plumbing Inspector Signature: <i>Steve P. Robbins</i> L.P.I. # 8501 <input type="checkbox"/> Double Fee Charged	
Street or Road	102 TOWNSEND ROAD		
Subdivision, Lot #			
<b>OWNER/APPLICANT INFORMATION</b>			
Name (last, first, MI)	Vallee, Chris <input checked="" type="checkbox"/> Owner <input type="checkbox"/> Applicant		
Mailing Address of Owner/Applicant	102 TOWNSEND ROAD AUGUSTA, ME 04330		
Daytime Tel. #	242-2041	Municipal Tax Map # 78 Lot # 75 RA	

<b>OWNER OR APPLICANT STATEMENT</b> 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.	Signature of Owner or Applicant: <i>Chris Vallee</i> Date: 1/17/06	<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.	Signature of Local Plumbing Inspector: <i>Steve P. Robbins</i> Date: 1/23/06 (1st) date approved: 1/23/06 (2nd) date approved:
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PERMIT INFORMATION		
<b>TYPE OF APPLICATION</b>	<b>THIS APPLICATION REQUIRES</b>	<b>DISPOSAL SYSTEM COMPONENTS</b>
<input type="checkbox"/> 1. First Time System <input checked="" type="checkbox"/> 2. Replacement System Type replaced: <u>UNIT</u> Year installed: <u>±25 YRS</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 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 Approval <input type="checkbox"/> 3. Replacement System Variance <input 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	<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
<b>SIZE OF PROPERTY</b> ± 1.95 <input type="checkbox"/> SQ. FT. <input type="checkbox"/> ACRES	<b>DISPOSAL SYSTEM TO SERVE</b>	<b>TYPE OF WATER SUPPLY</b>
<b>SHORELAND ZONING</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<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 type="checkbox"/> Year Round <input type="checkbox"/> Undeveloped	<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

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)			
<b>TREATMENT TANK</b>	<b>DISPOSAL FIELD TYPE &amp; SIZE</b>	<b>GARBAGE DISPOSAL UNIT</b>	<b>DESIGN FLOW</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: _____ CAPACITY: <u>4000</u> GAL.	<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>800</u> sq. ft. <input type="checkbox"/> lin. ft.	<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	<u>180</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>	<b>DISPOSAL FIELD SIZING</b>	<b>EFFLUENT/EJECTOR PUMP</b>	<b>LATITUDE AND LONGITUDE</b>
PROFILE CONDITION DESIGN <u>8, C, 1, 1</u> at Observation Hole # <u>1</u> Depth <u>18"</u> of Most Limiting Soil Factor	<input type="checkbox"/> 1. Small—2.0 sq. ft. / gpd <input type="checkbox"/> 2. Medium—2.6 sq. ft. / gpd <input type="checkbox"/> 3. Medium—Large 3.3 sq. ft. / gpd <input checked="" type="checkbox"/> 4. Large—4.1 sq. ft. / gpd <input type="checkbox"/> 5. Extra Large—5.3 sq. ft. / gpd	<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 503.0 (meter readings) ATTACH WATER METER DATA at center of disposal area Lat. <u>44</u> d <u>20</u> m <u>262</u> s Lon. <u>69</u> d <u>47</u> m <u>207</u> s if g.p.s., state margin of error

**SITE EVALUATOR STATEMENT**

I certify that on 4 JAN 06 (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).

Signature: *Stephen P. Robbins*      S.E.# 301      Date: 4 JAN 06  
 Site Evaluator Signature      377-6707      narrowspd@aol.com  
 Stephen P. Robbins

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

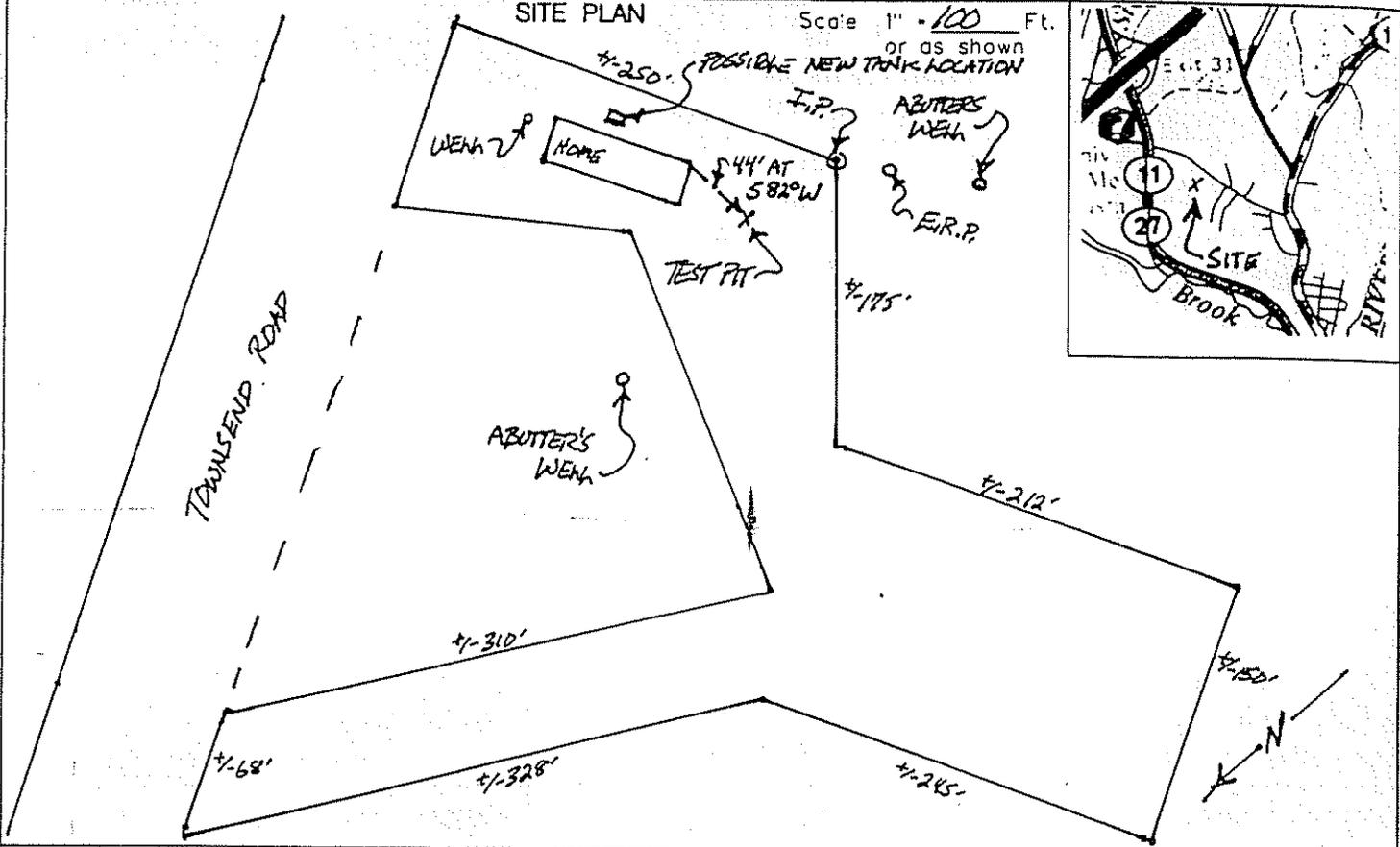
# SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

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

Town, City, Plantation  
**AUGUSTA**

Street, Road Subdivision  
**102 TOWNSEND ROAD**

Owner's Name  
**PAUL BRETON**



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

Observation Hole #1  Test Pit  Boring  
" Depth of Organic Horizon Above Mineral Soil \_\_\_\_\_

	Texture	Consistency	Color	Mottling
0	SILT LOAM	FRIABLE	BROWN	
10			YELLOW BROWN	
20	SILT		OLIVE YELLOW	FEW
30		FIRM	OLIVE	
40				
50				

Soil Classification <b>S</b> Profile	Soil Classification <b>C</b> Condition	Slope <b>6</b> %	Limiting Factor <b>18"</b>	<input checked="" type="checkbox"/> Ground Water <input type="checkbox"/> Restrictive Layer <input type="checkbox"/> Bedrock <input type="checkbox"/> Pit Depth
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Observation Hole \_\_\_\_\_  Test Pit  Boring  
" Depth of Organic Horizon Above Mineral Soil \_\_\_\_\_

	Texture	Consistency	Color	Mottling
0				
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Soil Classification Profile	Soil Classification Condition	Slope %	Limiting Factor "	<input type="checkbox"/> Ground Water <input type="checkbox"/> Restrictive Layer <input type="checkbox"/> Bedrock <input type="checkbox"/> Pit Depth
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*Site Evaluator Signature*  
Site Evaluator Signature

**301**  
SE

**4 JAN 06**  
Date

# SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

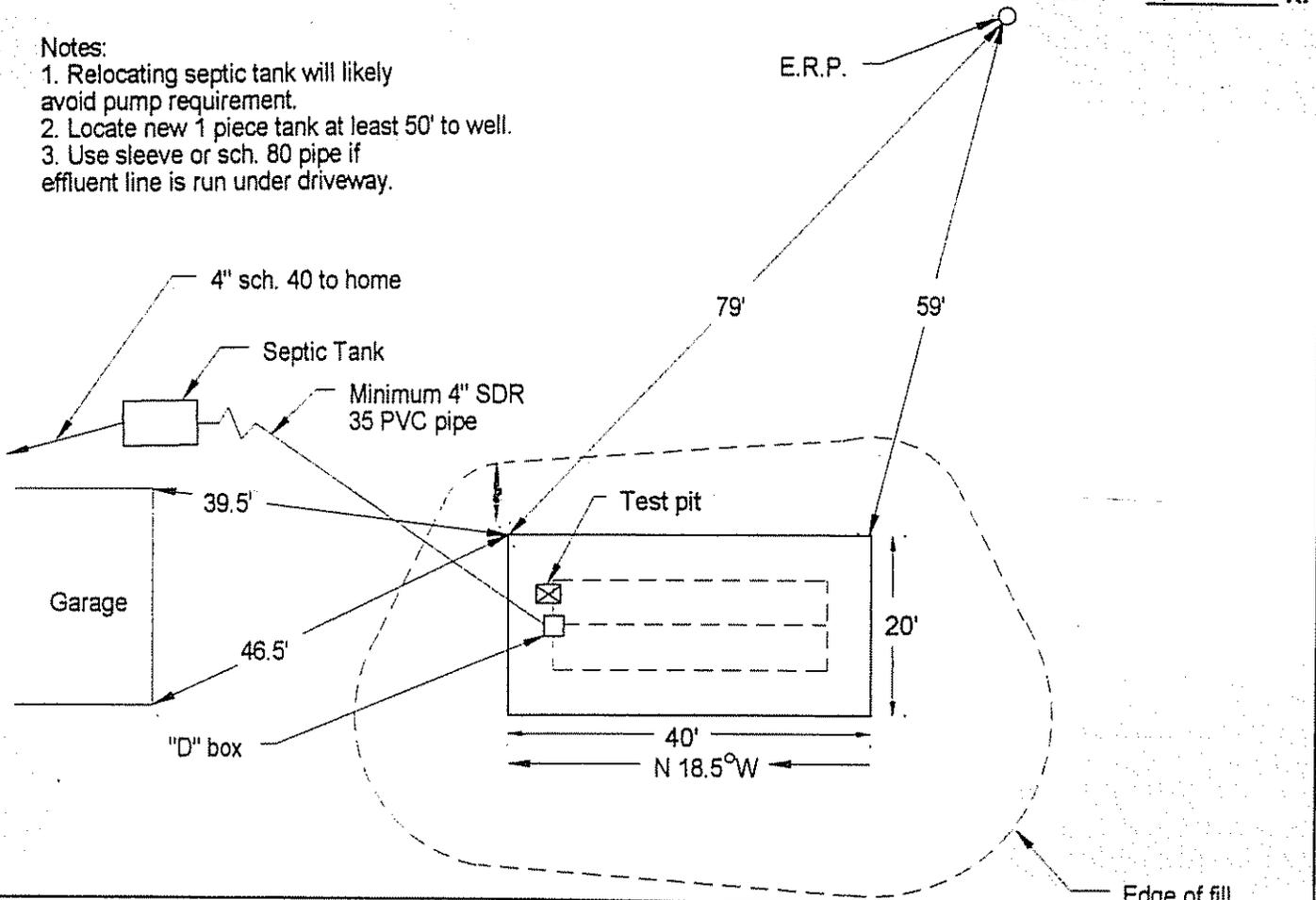
Maine Department of Human Services  
Division of Health Engineering, Station 10  
(207) 287-5672 FAX (207) 287-4172

Town, City, Plantation <b>AUGUSTA</b>	Street, Road, Subdivision <b>102 TOWNSEND ROAD</b>	Owner or Applicant Name <b>PAUL BRETON</b>
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## SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale: 1" = 20 ft.

- Notes:
1. Relocating septic tank will likely avoid pump requirement.
  2. Locate new 1 piece tank at least 50' to well.
  3. Use sleeve or sch. 80 pipe if effluent line is run under driveway.



### BACKFILL REQUIREMENTS

Depth of Backfill (upslope) 18-29"  
 Depth of Backfill (downslope) 32-41"  
 DEPTHS AT CROSS-SECTION (shown below)

### CONSTRUCTION ELEVATIONS

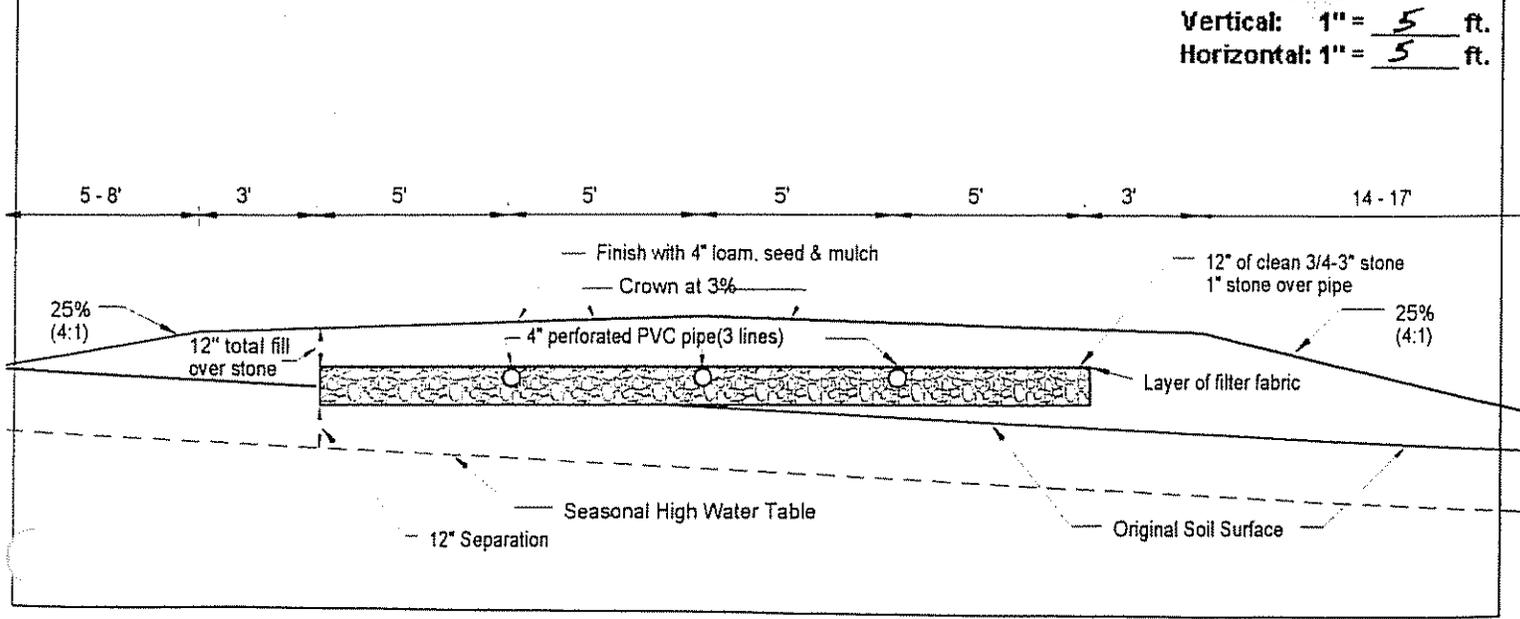
Finished Grade Elevation -35"  
 Top of Distribution Pipe or Proprietary Device -48"  
 Bottom of Disposal Field -59"

### ELEVATION REFERENCE POINT

Location & Description: NAIL IN CMP PILE  
#162/162, 60" FROM GROUND  
 Reference Elevation is: 0.0" or \_\_\_\_\_

## DISPOSAL FIELD CROSS-SECTION

Scales:  
 Vertical: 1" = 5 ft.  
 Horizontal: 1" = 5 ft.



*Steph P. [Signature]*

S.E. #301

4 JAN 06

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AUGUSTA

102 TOWNSEND ROAD  
ATTACHMENT TO HHE-200

PAUL BRETON

**Caution: Before starting, contractor must insure fill depth amounts match with elevations given. Contact designer immediately with any discrepancies.**

Notes:

1. Construction to conform to "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 scarify/roto-till/furrow area under drain-field and fill extensions.
4. Unless otherwise specified, all fill will be coarse sand to a gravelly coarse sand. See Sec. 804.0 in the Maine State Plumbing Code for further clarification of fill requirements. In 8" lifts, compacted as placed. First lift to be thoroughly mixed with original soil, to form a transition horizon.
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; at minimum; 8' to proposed or existing home and or buildings, 10' to property line & water supply line, 100' to all wells and shoreline. Owner's well & shoreline setback can be reduced to 50' if a 1 piece water-tight tank is used.
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. Many times it is impossible to locate water supplies. Property owner assumes responsibility of proper setback to any unknown water supplies.
17. Discharge from water treatment equipment and residential foundation/floor drains 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). A floor drain used for anything other than fresh-water disposal does require design and permit.
18. 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.
19. Venting of disposal area is not required, but can facilitate biological action in disposal area.
20. Pumped systems will be equipped with audible high water alarm, wired to separate circuit as pump.
21. If a BK2000 Waste-Water Management system or any other Norweco products are included in this design, the designer has a financial interest in the sale of these products. Owner is encouraged to research comparable products and make final choice. If owner chooses a competitors product, design will be revised to note said change at no charge.
22. Take 3 copies of the plan to your local plumbing inspector for required permit.

Stephen P. Robbins

S.E. #301

Date 4 JAN 06

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