

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	68'	
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	20'	
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. REQUEST LPI CONCURRENCE TO REDUCE SEPARATION DISTANCE FROM 18 INCHES TO 14 INCHES TO AVOID EXCESSIVE FILL ON BACK SIDE OF HOUSE
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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

7/17/2006
 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

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

RRFS

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, Plantation	AUGUSTA	AUGUSTA PERMIT # 5839 TOWN COPY Date Permit Issued: <u>7/3/06</u> \$ <u>95.00</u> <input type="checkbox"/> Double Fee Charged Local Plumbing Inspector Signature: <u>[Signature]</u> L.P.I. # <u>500</u>	
Street or Road	48 LAMBERT AVENUE		
Subdivision, Lot #			
OWNER/APPLICANT INFORMATION			
Name (last, first, MI)	SULLIVAN, ED <input checked="" type="checkbox"/> Owner <input type="checkbox"/> Applicant		
Mailing Address of Owner/Applicant	48 LAMBERT AVENUE AUGUSTA, ME 04330		
Daytime Tel. #	623-3292	Municipal Tax Map # <u>7</u> Lot # <u>126</u>	

<p>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.</p> <p><u>[Signature]</u> <u>7/31/06</u> Signature of Owner/Applicant Date</p>	<p>CAUTION: INSPECTION REQUIRED I have inspected the installation authorized above and found it to be in compliance with the Subsurface Wastewater Disposal Rules Application</p> <p>_____ Local Plumbing Inspector Signature</p> <p>_____ (1st) Date Approved</p> <p>_____ (2nd) Date Approved</p>
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PERMIT INFORMATION		
<p>TYPE OF APPLICATION</p> <p><input type="checkbox"/> 1. First Time System</p> <p><input checked="" type="checkbox"/> 2. Replacement System Type replaced _____ Year installed _____</p> <p><input type="checkbox"/> 3. Expanded System <input type="checkbox"/> a. Minor Expansion <input type="checkbox"/> b. Major Expansion</p> <p><input type="checkbox"/> 4. Experimental System</p> <p><input type="checkbox"/> 5. Seasonal Conversion</p>	<p>THIS APPLICATION REQUIRES</p> <p><input type="checkbox"/> 1. No Rule Variance</p> <p><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</p> <p><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</p> <p><input type="checkbox"/> 4. Minimum Lot Size Variance</p> <p><input type="checkbox"/> 5. Seasonal Conversion Permit</p>	<p>DISPOSAL SYSTEM COMPONENTS</p> <p><input type="checkbox"/> 1. Complete Non-engineered System</p> <p><input type="checkbox"/> 2. Primitive System (graywater & alt. toilet)</p> <p><input type="checkbox"/> 3. Alternative Toilet, specify _____</p> <p><input type="checkbox"/> 4. Non-Engineered Treatment Tank (only)</p> <p><input type="checkbox"/> 5. Holding Tank, _____ gallons</p> <p><input checked="" type="checkbox"/> 6. Non-engineered Disposal Field (only)</p> <p><input type="checkbox"/> 7. Separated Laundry System</p> <p><input type="checkbox"/> 8. Complete Engineered System (2000 gpd or more)</p> <p><input type="checkbox"/> 9. Engineered Treatment Tank (only)</p> <p><input type="checkbox"/> 10. Engineered Disposal Field (only)</p> <p><input type="checkbox"/> 11. Pretreatment, specify: _____</p> <p><input type="checkbox"/> 12. Miscellaneous Components</p>
<p>SIZE OF PROPERTY</p> <p>0.71 <input type="checkbox"/> sq. ft. <input checked="" type="checkbox"/> acres</p>	<p>DISPOSAL SYSTEM TO SERVE:</p> <p><input checked="" type="checkbox"/> 1. Single Family Dwelling Unit, No. of Bedrooms: <u>3</u></p> <p><input type="checkbox"/> 2. Multiple Family Dwelling Unit, No. of Units: _____</p> <p><input type="checkbox"/> 3. Other _____ (specify)</p> <p>Current Use <input type="checkbox"/> Seasonal <input checked="" type="checkbox"/> Year Round <input type="checkbox"/> Undeveloped</p>	<p>TYPE OF WATER SUPPLY</p> <p><input checked="" type="checkbox"/> 1. Drilled Well <input type="checkbox"/> 2. Dug Well <input type="checkbox"/> 3. Private</p> <p><input type="checkbox"/> 4. Public <input type="checkbox"/> 5. Other</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> <p><input checked="" type="checkbox"/> 1. Concrete <input checked="" type="checkbox"/> a. Regular <input type="checkbox"/> b. Low Profile</p> <p><input type="checkbox"/> 2. Plastic</p> <p><input type="checkbox"/> 3. Other <u>EXISTING</u></p> <p>CAPACITY <u>1000</u> GAL.</p>	<p>DISPOSAL FIELD TYPE & SIZE</p> <p><input checked="" type="checkbox"/> 1. Stone Bed <input type="checkbox"/> 2. Stone Trench</p> <p><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</p> <p><input type="checkbox"/> 4. Other _____</p> <p>SIZE <u>1050</u> <input checked="" type="checkbox"/> sq. ft. <input type="checkbox"/> lin. ft.</p>	<p>GARBAGE DISPOSAL UNIT</p> <p>1. <input checked="" type="checkbox"/> No <input type="checkbox"/> 3. Maybe</p> <p>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</p>	<p>DESIGN FLOW</p> <p><u>270</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)</p> <p>SHOW CALCULATIONS -for other facilities-</p>
<p>SOIL DATA & DESIGN CLASS</p> <p>PROFILE <u>3</u> / CONDITION <u>D</u> / DESIGN <u>3</u></p> <p>at Observation Hole # <u>TP-1</u> Depth <u>14</u> " of Most Limiting Soil Factor</p>	<p>DISPOSAL FIELD SIZING</p> <p>1. <input type="checkbox"/> Small - 2.0 sq. ft./gpd</p> <p>2. <input type="checkbox"/> Medium - 2.6 sq. ft./gpd</p> <p>3. <input checked="" type="checkbox"/> Medium-Large - 3.3 sq. ft./gpd</p> <p>4. <input type="checkbox"/> Large - 4.1 sq. ft./gpd</p> <p>5. <input type="checkbox"/> Extra-Large - 5.0 sq. ft./gpd</p>	<p>EFFLUENT/EJECTOR PUMP</p> <p>1. <input checked="" type="checkbox"/> Not Required</p> <p>2. <input type="checkbox"/> May Be Required</p> <p>3. <input type="checkbox"/> Required >> Specify only for engineered or experimental systems</p> <p>DOSE _____ gallons</p>	<p><input type="checkbox"/> 3. Section 503.0 (meter readings) ATTACH WATER METER DATA</p> <p>LATITUDE AND LONGITUDE at center of disposal area Lat. <u>44</u> d <u>20</u> m <u>2</u> s Long. <u>69</u> d <u>41</u> m <u>43</u> s If gps, state margin of error: _____</p>

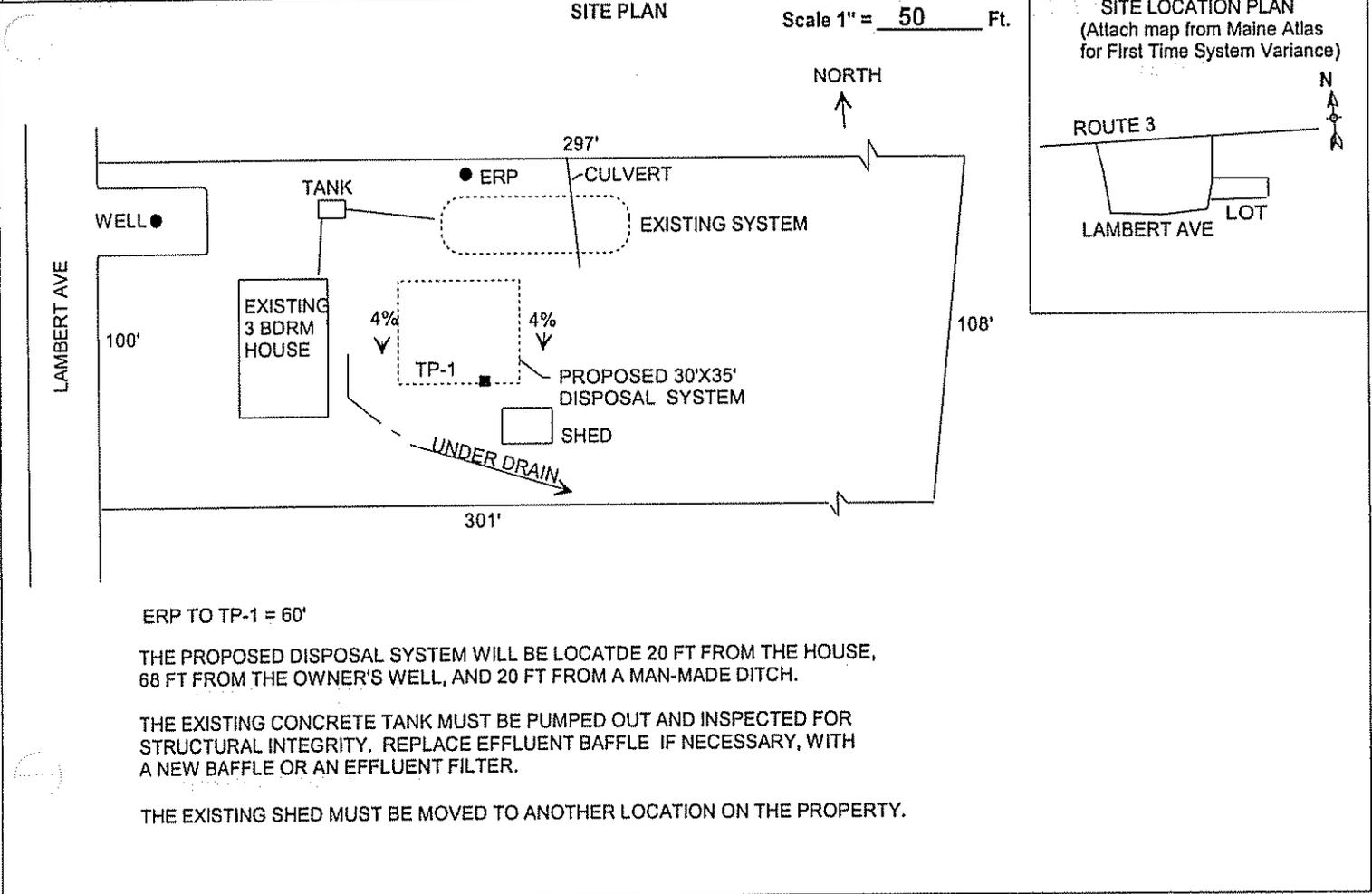
SITE EVALUATOR'S STATEMENT		
I certify that on <u>7/17/06</u> (date) I completed a site evaluation on this property and state that the data reported are accurate and that the proposed system is in compliance with the State of Maine Subsurface Wastewater Disposal Rules (10-144A CMR 241).		
<u>[Signature]</u> Site Evaluator Signature	<u>188</u> SE#	<u>7/17/2006</u> Date
<u>WILLIAM P BROWN</u> Site Evaluator Name Printed	<u>293-2110</u> Telephone Number	_____ 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
(207) 287-5672 FAX 207 287-4165

Town, City, Plantation AUGUSTA	Street, Road, Subdivision 48 LAMBERT AVENUE	Owner or Applicant Name ED SULLIVAN
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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		ORANGE BROWN	COMMON	
20		FIRM	OLIVE BROWN	
30				
40				

Soil Profile <u>3</u>	Classification <u>D</u>	Slope <u>4</u> %	Limiting Factor <u>14</u> " Depth	<input checked="" type="checkbox"/> Groundwater <input type="checkbox"/> Restrictive Layer <input type="checkbox"/> Bedrock
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(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 Profile _____	Classification _____	Slope _____ %	Limiting Factor _____ " Depth	<input type="checkbox"/> Groundwater <input type="checkbox"/> Restrictive Layer <input type="checkbox"/> Bedrock
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WILLIAM P BROWN *William P Brown*
Site Evaluator Signature

188
SE #

7/17/2006
Date

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

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

Town, City, Plantation
AUGUSTA

Street, Road, Subdivision
48 LAMBERT AVENUE

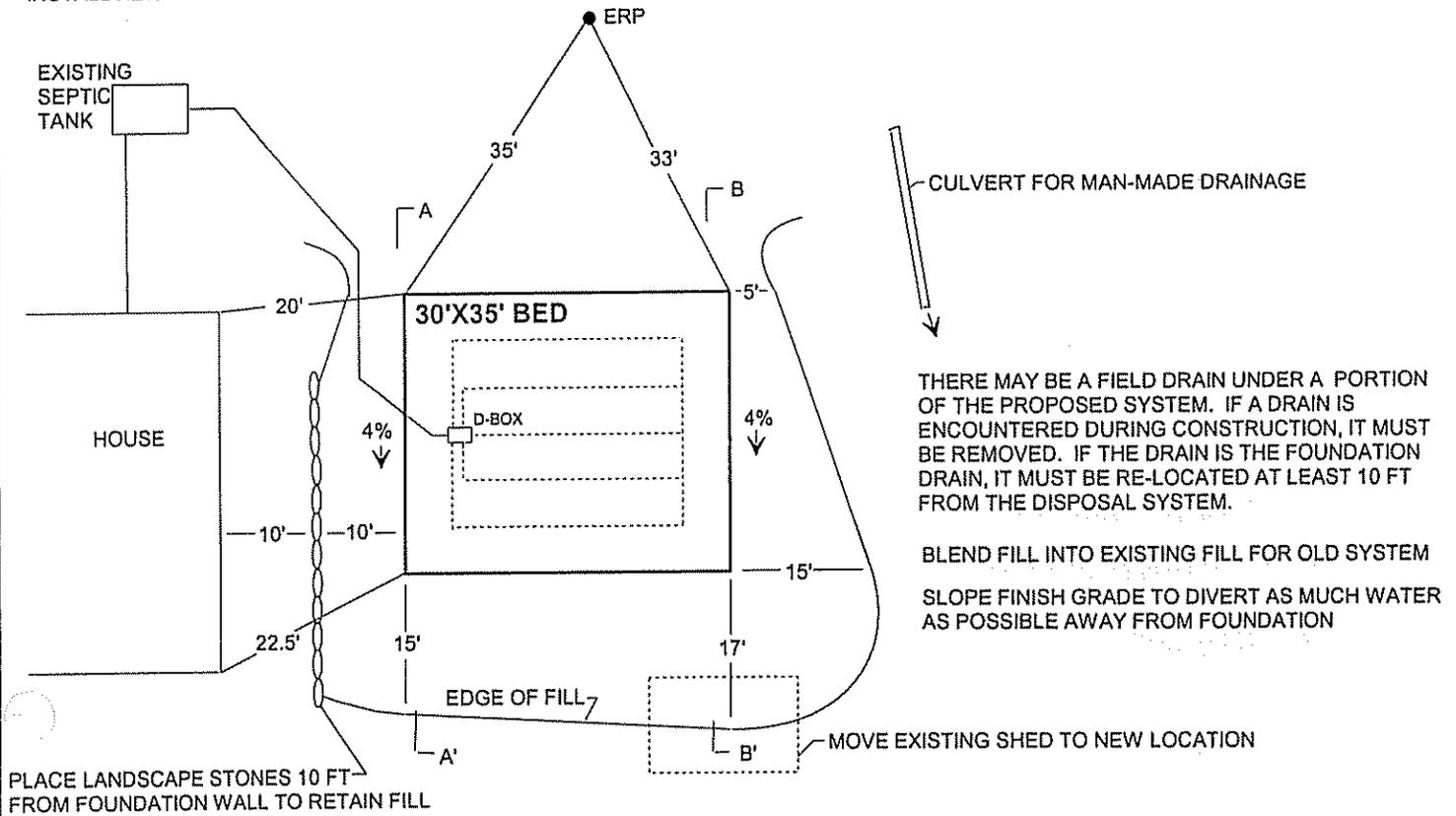
Owner or Applicant Name
ED SULLIVAN

SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale 1" = 20' Ft.

JUMP OUT AND INSPECT SEPTIC TANK FOR STRUCTURAL INTEGRITY. REPLACE EFFLUENT BAFFLE, IF NECESSARY, WITH NEW BAFFLE OR AN EFFLUENT FILTER.

INSTALL NEW SDR 35 PIPE FROM TANK TO D-BOX



BACKFILL REQUIREMENTS

Depth of Fill (Upslope) **24"**
Depth of Fill (Downslope) **34-37"**
DEPTHS AT CROSS-SECTION (shown below)

CONSTRUCTION ELEVATIONS

Finished Grade Elevation **VARIES**
Top of Distribution Pipe or Proprietary device **-44"**
Bottom of Disposal Area **-55"**

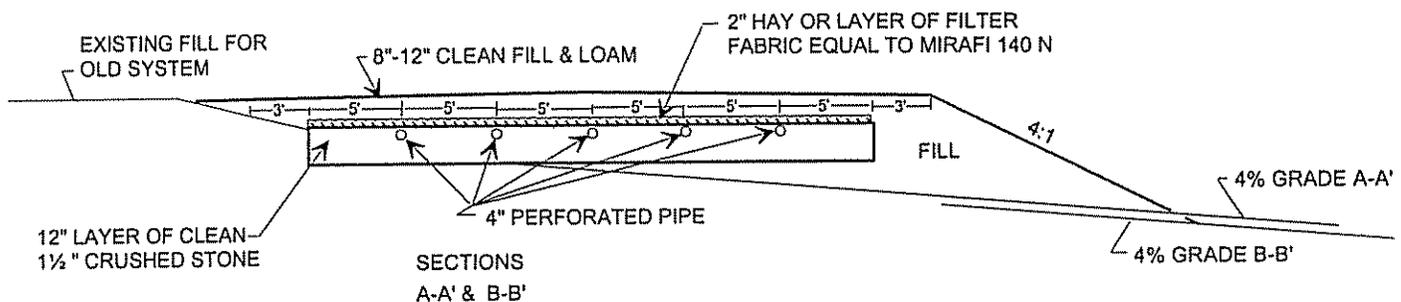
ELEVATION REFERENCE POINT

Location and Description:
FLAGGED NAIL IN 5 INCH MAPLE TREE, 3 FEET ABOVE GROUND
Reference Elevation is: **00.0"**

DISPOSAL AREA CROSS SECTION

Scale:

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



REMOVE VEGETATION IN DISPOSAL AREA
SCARIFY ENTIRE FILL AREA
MIX 4 INCHES OF FILL MATERIAL THOROUGHLY WITH EXISTING SOIL TO FORM TRANSITION ZONE (ACCORDING TO CHAPTER 8, PLUMBING CODE)
FILL SHALL BE GRAVELLY COARSE SAND
CROWN FINISH GRADE FROM CENTER AT 3% AND BLEND INTO EXISTING LAWN AREA
LOAM, SEED, MULCH DISTURBED AREAS

WILLIAM P BROWN
Site Evaluator Signature

William P Brown

188
SE #

7/17/2006
Date

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