

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

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

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

PROPERTY LOCATION

City, Town, or Plantation: AUGUSTA

Street or Road: 405 SOUTH BELFAST AVE

Subdivision, Lot #:

AUGUSTA Date Permit Issued: 11/12/09 PERMIT # 6380 TOWN COPY 805.00

\$ 725.00 FEE Charged Double Fee

L.P.I. # SPV

OWNER/APPLICANT INFORMATION

Name (last, first, MI): HANSON, CONNIE Owner Applicant

Mailing Address of Owner/Applicant: 61 MONARCH DR. AUGUSTA, ME 04330

Daytime Tel. #: (207) 623-0082

Local Plumbing Inspector Signature: [Signature]

Municipal Tax Map # 11 Lot # 35

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.

Signature of Owner or Applicant: [Signature] Date: 11/10/09

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: [Signature] (1st) date approved: 11/20/09

(2nd) date approved: 12/4/09

PERMIT INFORMATION

TYPE OF APPLICATION

1. First Time System

2. Replacement System
 Type replaced: OLD TRENCH
 Year installed: < 1974

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. Pre-treatment, specify: _____

12. Miscellaneous Components

SIZE OF PROPERTY

3⁺ SQ. FT. ACRES

DISPOSAL SYSTEM TO SERVE

1. Single Family Dwelling Unit, No. of Bedrooms: 2

2. Multiple Family Dwelling, No. of Units: _____

3. Other: _____ (specify)

TYPE OF WATER SUPPLY

1. Drilled Well 2. Dug Well 3. Private

4. Public 5. Other

SHORELAND ZONING

Yes No

Current Use Seasonal Year Round Undeveloped

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

TREATMENT TANK

1. Concrete
 a. Regular
 b. Low Profile

2. Plastic

3. Other: _____

CAPACITY: 4000 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: 900 sq. ft. sq. ft. lin. ft.

GARBAGE DISPOSAL UNIT

1. No 2. Yes 3. Maybe

If Yes or Maybe, specify one below:

a. multi-compartment tank

b. _____ tanks in series

c. increase in tank capacity

d. Filter on Tank Outlet

DESIGN FLOW

180 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: 91 E 1 S

at Observation Hole # TP-1

Depth: 7 ft

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 systems:

DOSE: _____ gallons

3. Section 503.0 (meter readings)

ATTACH WATER METER DATA

LATITUDE AND LONGITUDE

at center of disposal area

Lat. 44 d 19 m 02.8 s

Lon. 69 d 43 m 37.8 s

if g.p.s., state margin of error: 8'

SITE EVALUATOR STATEMENT

I certify that on 10-26-09 (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: [Signature] SE #: 257 Date: 10-27-09

Site Evaluator Name Printed: STEPHEN A. DOWN Telephone Number: 685-3637 E-mail Address: sadown@prexar.com

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

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

Town, City, Plantation
AUGUSTA

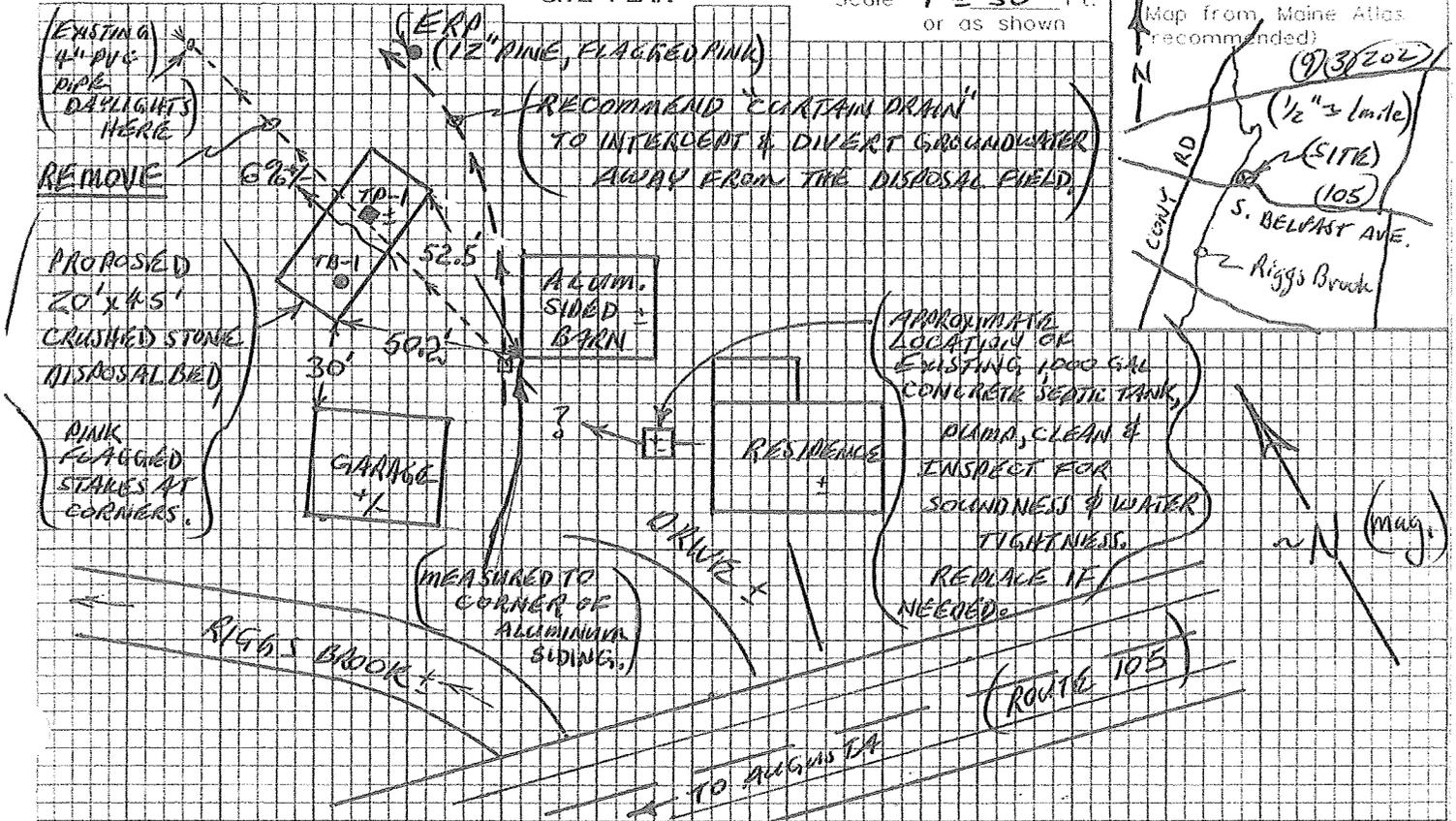
Street, Road Subdivision
406 SOUTH BELFAST AVE

Owner's Name
CONNIE HANSON

SITE PLAN

Scale 1" = 50' Ft.
or as shown

SITE LOCATION PLAN
Map from Maine Atlas
(recommended)



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

Observation Hole TA-1 Test Pit 24" Boring 36"
1" Depth of Organic Horizon Above Mineral Soil

Observation Hole TB-1 Test Pit Boring
" Depth of Organic Horizon Above Mineral Soil
(COMPARABLE TO TA-1)

Texture	Consistency	Color	Mottling
SILTY CLAY LOAM	FRIABLE	MEDIUM BROWN	COMMON FAINT
SILTY CLAY	MOD. FIRM	GRAY BROWN	
SILTY CLAY TO CLAY	FIRM TO VERY FIRM	LIGHT GRAY TO GRAY	
(TOTAL HOLE DEPTH)			

NOTE:

PROVIDE 100 FT. MINIMUM DISTANCE BETWEEN WELLS AND THE DISPOSAL SYSTEM; 50 FT. MIN. DIST. OWNERS WELL TO SEPTIC TANK IF TANK IS OF MONOLITHIC CONSTRUCTION.

THE CURTAIN DRAIN SHOULD CONSIST OF CRUSHED STONE OR OPEN-GRADED MINUS 3" GRAVEL, WRAPPED IN FILTER FABRIC (MARIFL 140N OR COMPARABLE) WITH A PERFORATED (MIN. 4" DIA.) PIPE NEAR THE BOTTOM. 30-INCH MINIMUM TRENCH DEPTH DRAINING TO A POSITIVE GRAVITY OUTLET.

APPLICABLE PARTS OF CODE SECTION 807: CURTAIN DRAINS (ATTACHED) SHOULD BE OBSERVED.

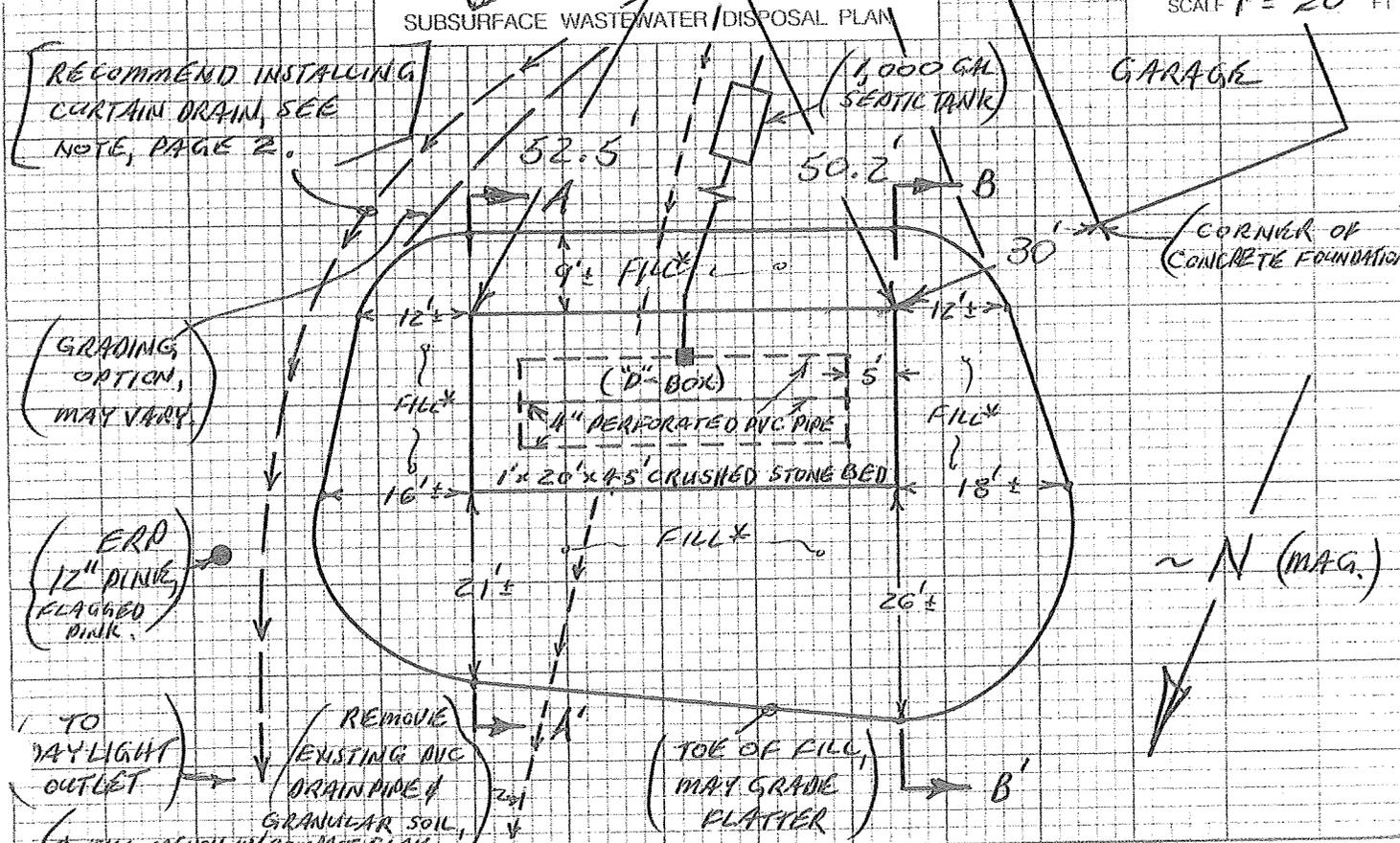
Soil Classification 9 E	Slope 6-8%	Limiting Factor 7"	<input checked="" type="checkbox"/> Ground Water <input type="checkbox"/> Restrictive Layer <input type="checkbox"/> Bedrock <input type="checkbox"/> Pit Depth
Profile	Condition		

Soil Classification	Slope	Limiting Factor	<input type="checkbox"/> Ground Water <input type="checkbox"/> Restrictive Layer <input type="checkbox"/> Bedrock <input type="checkbox"/> Pit Depth
Profile	Condition		

Stephen A. Down 257
Site Evaluator Signature (207) 685-3637 SE "

10-27-09
Date

Town/City/Plantation: **AUGUSTA** Street/Block/Subdivision: **405 SOUTH BELFAST AVE** Owner's Name: **CONNIE HANSON**

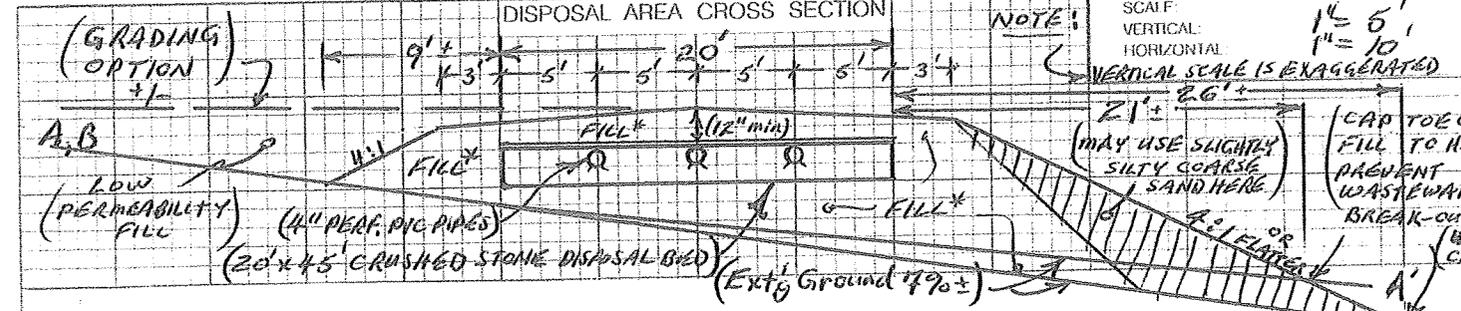


FILL REQUIREMENTS

(AT EDGE OF STONE BED) ~ 25" - 29"

Depth of Fill (Upslope) ~ 40" - 46"

Depth of Fill (Downslope)



CONSTRUCTION TO COMPLY WITH 'THE CODE', 144 CMR 241.
 REMOVE VEGETATION, ORGANICS & PREPARE SURFACE BELOW FILL AREA PER SECT. 801 OF "THE CODE".
 PLACE FILTER FABRIC OR 2" COMPRESSED HAY ON 12" LAYER OF 3/4" TO 1-1/2" CLEAN CRUSHED STONE.
 * FILL: COARSE SAND TO GRAVELY COARSE SAND PER SECTION 804.2 OF "THE CODE".
 GRADING LIMITS MAY VARY TO PROVIDE COVER FOR THE EFFLUENT LINE & REDUCE A MOUND APPEARANCE.
 MAINTAIN A MINIMUM 3% GRADE OVER THE CRUSHED STONE BED, EXTENDING 3 FT. BEYOND EACH EDGE.
 PROVIDE FOR DRAINAGE AND SURFACE RUNOFF AWAY FROM THE DISPOSAL AREA. INSTALL CURTAIN DRAIN.
 LOAM (4" MINIMUM), SEED AND MULCH ALL DISTURBED AREAS.

QUESTIONS OR CONCERNS? PLEASE CALL SITE EVALUATOR PRIOR TO CONSTRUCTION.

Stephen A. Down 257 10-27-09 Page 3 of 3
 Site Evaluator's Signature (201) 685-3637 Date

807.4 Setback cross-slope: A minimum setback distance of 15 feet shall be maintained between a curtain drain and the ends of a disposal field and constructed so that the curtain drain is located to prevent any under drain of the disposal field.

807.5 Free-flowing outlets: Free-flowing outlets shall be provided down-slope of the curtain drain extensions. Outlets shall meet the following requirements:

807.5.1 Discharge point: Outlets may empty into a drainage swale discharging to a surface water body, a groundwater recharge basin, or a gravel bed;

807.5.2 Outlet design: Outlets shall be designed, installed, located, and maintained in a manner that does not cause soil erosion, surface flooding, or damage to adjacent properties, does not create a public nuisance, and does not violate any applicable Federal, State, or local laws or regulations; and

807.6 Rodent control: Adequate measures shall be taken to protect each outlet from the entry of rodents or other small animals.

807.7 Fill requirements: Fill material over the curtain drain discharge pipes shall be of earth of a texture that is similar to or coarser than that found at the site and free of large stones, stumps, broken masonry, or other waste construction material.

SECTION 807.0 CURTAIN DRAINS

807.1 Requirements: Curtain drains, when required, shall be up-slope of the disposal field, approximately perpendicular to the flow of ground water, intercepting and diverting groundwater away from the disposal field.

807.2 Setbacks: The minimum distance between the disposal field and a curtain drain shall be as follows;

807.3 Setback up-slope: A minimum setback distance of 10 feet shall be maintained between a curtain drain and the up-slope edge of a disposal field. The curtain drain shall be located beyond the toe of the uphill fill extension if the uphill extension is greater than 10 feet and constructed so that the curtain drain is located to prevent any under drain of the disposal field.

(10 CMR 241)

REPLACEMENT SYSTEM VARIANCE REQUEST

THE LIMITATIONS OF THE REPLACEMENT SYSTEM VARIANCE REQUEST

This form must be attached to an application (HHE-200) for any replacement system which requires a variance to the Rules. The LPI shall review the Replacement System Variance Request and HHE-200 and may approve the Request if all of the following requirements are met.

1. The proposed design meets the definition of a Replacement System as defined in the Rules (Sec. 1906.0)
2. The replacement system is determined by the Site Evaluator to be the most practical method to treat and dispose of the wastewater.
3. The BOD5 plus S.S. content of the wastewater is no greater than that of normal domestic effluent.

GENERAL INFORMATION		Town of <u>AUGUSTA</u>
Permit No. <u>6350</u>	Date Permit Issued <u>11/12/09</u>	
Property Owner's Name: <u>CONNIE HANSON</u>	Tel. No.: <u>623-0082</u>	
System's Location: <u>405 SOUTH BELFAST AVE, AUGUSTA, ME 04330</u>		
Property Owner's Address: <u>61 MONARCH DR., AUGUSTA, ME 04330</u>		
(if different from above)		

SPECIFIC INSTRUCTIONS TO THE:

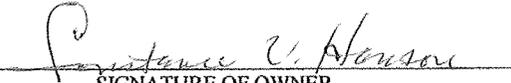
LOCAL PLUMBING INSPECTOR (LPI):
If any of the variances exceed your approval authority and/or do not meet all of the requirements listed under the Limitations Section above, then you are to send this Replacement System Variance Request, along with the Application, to the Department for review and approval consideration before issuing a Permit. (See reverse side for Comments Section and your signature.)

SITE EVALUATOR:
If after completing the Application, you find that a variance for the proposed replacement system is needed, complete the Replacement Variance Request with your signature on reverse side of form.

PROPERTY OWNER:
If has been determined by the Site Evaluator that a variance to the Rules is required for the proposed replacement system. This variance request is due to physical limitations of the site and/or soil conditions. The Site Evaluator has considered the site/soil restrictions and has concluded that a replacement system in total compliance with the Rules is not possible.

PROPERTY OWNER

I understand that the proposed system requires a variance to the Rules. Should the proposed system malfunction, I release all concerned provided they have performed their duties in a reasonable and proper manner, and I will promptly notify the Local Plumbing Inspector and make any corrections required by the Rules. By signing the variance request form, I acknowledge permission for representatives of the Department to enter onto the property to perform such duties as may be necessary to evaluate the variance request.

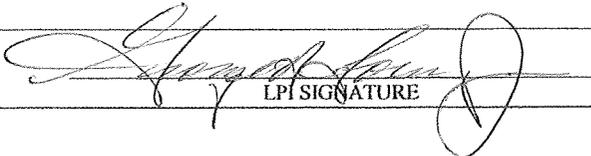

 SIGNATURE OF OWNER

11/10/09
 DATE

LOCAL PLUMBING INSPECTOR

I, George A. Soucy Jr., the undersigned, have visited the above property and have determined to the best of my knowledge that it cannot be installed in compliance with the Rules. As a result of my review of the Replacement Variance Request, the Application, and my on-site investigation, I (approve, disapprove) the variance request based on my authority to grant this variance. Note: If the LPI does not give his approval, he shall list his reasons for denial in Comments Section below and return to the applicant.

Comments: _____


 LPI SIGNATURE

11/12/09
 DATE

HHE-204 Rev 08/05

FORMS

Replacement System Variance Request

VARIANCE CATEGORY							VARIANCE REQUESTED TO:	
SOILS								
Soil Profile			Ground Water Table			"		7 inches
Soil Condition			Restrictive Layer			"		inches
from HHE-200			Bedrock			"		inches
SETBACK DISTANCES (in feet)			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	Disposal Fields To	Septic Tanks To
Weills with water usage of 2000 or more gpd or public water system wells	300 ft	300 ft	300 ft	150 ft	150 ft	150 ft		
Private Potable Water Supply	100 ft [a] to 60	200 ft to 100	300 ft to 150	50 ft	100 ft to 50	100 ft to 50		
Water supply line	10 ft	20 ft	25 ft [g]	10 ft	10 ft	10 ft [g]		
Water course, major	100 ft [c] Down to 50	200 ft [c] to 120	300 ft [c] to 180	100 ft to 50	100 ft to 75	100 ft to 75	(78')	
Water course, minor	50 ft [d] to 25	100 ft [d] to 50	150 ft [d] to 75	50 ft [d] to 25	50 ft [d] to 25	50 ft [d] to 25		
Drainage ditches	25 ft to 12	50 ft to 25	75 ft to 35	25 ft to 12	25 ft to 12	25 ft to 12		
Edge of fill extension -- Coastal wetlands, special freshwater wetlands, great ponds, rivers, streams	25 ft [d]	25 ft [d]	25 ft [d]	25 ft [d]	25 ft [d]	25 ft [d]		
Slopes greater than 3:1	10 ft [f]	18 ft [f]	25 ft [f]	N/A	N/A	N/A		
No full basement [e.g. slab, frost wall, columns]	15 ft	30 ft	40 ft	8 ft	14 ft	20 ft		
Full basement [below grade foundation]	20 ft	30 ft	40 ft	8.5 ft	14 ft	20 ft		
Property lines	10 ft [b]	18 ft [b]	20 ft [b]	10 ft [b]	15 ft [b]	20 ft [b]		
Burial sites or graveyards, measured from the down toe of the fill extension	25 ft	25 ft	25 ft	25 ft	25 ft	25 ft		
OTHER								
1. Fill extension Grade - to 3:1								
2.								
3.								

Footnotes: [a.] Private Potable water Supply setbacks may be reduced as prescribed in Chapter 7
 [b.] Additional setbacks may be needed to prevent fill material extensions from encroaching onto abutting property.
 [c.] Additional setbacks may be required by local Shoreland zoning.
 [d.] Natural Resource Protection Act requires a 25 feet setback, on slopes of less than 20%, from the edge of soil disturbance and 100 feet on slopes greater than 20%. See Chapter 15.
 [e.] May not be any closer to a private potable water supply than the existing disposal field or septic tank . This setback may be reduced for single family houses with Department approval. See Section 702.3.
 [f.] The fill extension shall reach the existing ground before the 3:1 slope or within 100 feet of the disposal field.
 [g.] See Section 1402.8 for special procedures when these minimum setbacks cannot be achieved.

Stephen A. Poon
 SITE EVALUATOR'S SIGNATURE

10-27-09
 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.

N/A
 SIGNATURE OF THE DEPARTMENT

DATE