8-15-07

Eastern Highlands Health District
4 South Eagleville Road • Mansfield, CT 06268 • Tel: (860) 429-3325 • Fax: (860) 429-3321 • www.ehhd.org

Town: Mansfield

INVESTIGATION FOR SEWAGE DISPOSAL SYSTEM

Owner: UniStar Properties
Location: Stafford Road
Date: 8/13/07
Soil Tests Observed By G. Havens

PERCOLATION TESTS

Hole # ____ Pit # ____	Hole # ____ Pit ____	Test Pit 3
Presoak ____ hours	Presoak ____ hours	Ledge 19
Depth ____ Mark ____	Depth ____ Mark ____	Mottling —
		Depth 14 —
		Seepage —
		Roots 19
		Depth / Observation
		0-5 TS
		5-19 yl/br brown FSL
Rate min/in	Rate min/in	

Test Pit 4	Depth 42
Ledge —	Seepage —
Mottling —	Roots 31
Depth	Observation
0-4	TS
4-13	yl/w-brown fsl
13-42	yl/w sandy till w/ boulders & fsm
Machine refusal 42	

Test Pit 5	Depth 41
Ledge 41	Seepage —
Mottling —	Roots 25
Depth	Observation
0-5	TS
5-25	yl/w brown FSL
25-41	yl/w brn FSL w/ gravel

8-15-01

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PERCOLATION TESTS

Hole # ____ Pit # ____	Hole # ____ Pit ____	Test Pit 6
Presoak ____ hours	Presoak ____ hours	Ledge 58
Depth ____ Mark ____	Depth ____ Mark ____	Mottling –
		Depth 58
		Seepage ____
		Roots 39
		Depth / Observation
		0-7 TS
		7-26 Yellow Brn FSL
		26-58 Grey med sand w/ gravel
Rate min/in	Rate min/in	

Test Pit 7	Depth 44	Test Pit 9	Depth 90
Ledge 44	Seepage –	Ledge –	Seepage –
Mottling –	Roots 30	Mottling –	Roots 30
Depth / Observation		Depth / Observation	
0-9 TS		0-4 TS	
9-34 FSL gravel		4-23 Yellow brown FSL w/ gravel	
34-44 Grey SL		23-90 Grey f sand w/ gravel	

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PERCOLATION TESTS

Hole # / Pit #	Hole # / Pit	Test Pit 8 / Depth 9
Presoak ____ hours	Presoak ____ hours	Ledge 9 / Seepage –
Depth ____ Mark ____	Depth ____ Mark ____	Mottling – / Roots 9
		Depth / Observation
		0-9 TS
Rate min/in	Rate min/in	

Test Pit 1 / Depth 12	Test Pit 2 / Depth 32
Ledge 12 / Seepage –	Ledge 32 / Seepage –
Mottling – / Roots 12	Mottling – / Roots 25
Depth / Observation	Depth / Observation
0-7 TS	0-5 TS
7-12 Brown FSL	5-32 Brown FSL

Property Location _____ Date _____

LOCATION DRAWING

Special Conditions		Conclusions	
System design larger than 2,000 g.p.d.	_____	Suitable for sewage disposal	_____
Water supply watershed	_____		
Possible seasonal high groundwater	_____	Unsuitable for sewage disposal	_____
Watercourse, marsh or pond	_____		
Possible seasonal flooding	_____	Additional investigation required	_____
Limited suitable area	_____		
Excessive slope (over 25%)	_____	Retest during wet season	_____
Marginal soil (less than 5 ft)	_____		
Shallow ledge (less than 5 ft)	_____	Monitor groundwater thru wet season	_____
Underlying tight soil (less than 4 ft)	_____		
Other	_____	Engineer's plan required	_____

Testing For: New Lot / System Repair / B100a / Other _____

Design recommendations

_____

_____

_____

_____

_____

_____

_____

_____

_____

Investigated by: _____ Title: _____

Others Present: _____ Date _____

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PERCOLATION TESTS

Hole # / Pit #	Hole # / Pit	Test Pit 10
Presoak ____ hours	Presoak ____ hours	Ledge —
Depth ____ Mark ____	Depth ____ Mark ____	Mottling —
		Depth 80
		Seepage —
		Roots 48
Rate ____ min/in	Rate ____ min/in	

Depth	Observation
0 - 4	TS
4 - 9	Dk yl/br brn fsc gravel
4 - 24	yl/br brn fsc
24 - 80	gray f sand w/ gravel
	mot 2" depth

Test Pit 11	Test Pit 12
Ledge 78	Ledge
Mottling —	Mottling 30
Depth 78	Depth 69
Seepage —	Seepage —
Roots 51	Roots 51

Depth	Observation	Depth	Observation
0 - 2	TS	0 - 1	
2 - 30	yl/br brown fsl	1 - 30	brown fsl
30 - 78	Gray sandy till w/ gravel	30 - 54	gray vf sandy loam from mottled
		54 - 69	Gray sand + rocks
			2" depth on top
			machine refusal @ 69

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PERCOLATION TESTS

Hole # ____ Pit # ____	Hole # ____ Pit ____	Test Pit 13
Presoak ____ hours	Presoak ____ hours	Depth 64
Depth ____ Mark ____	Depth ____ Mark ____	Ledge —
		Seepage —
		Mottling —
		Roots 22
Rate min/in	Rate min/in	Depth / Observation
		0-1 TS
		1-22 VFSL y/w brown gravel
		22-64 Grey sand till w/ gravel, cobbles
		Machine refusal at 64

Test Pit 12	Test Pit 22
Depth 68	Depth 60
Ledge —	Seepage —
Seepage —	Roots 36
Mottling —	Mottling —
Roots 34	Depth / Observation
Depth / Observation	-2-0 Duff
0-5 TS	0-2 TS
5-28 Y/W brown FSL	2-5 Dk Brown FSL
28- Grey sand till w/ gravel, cobbles	5-11 Brown FSL
Machine refusal at 68	11-28 Yellow brown FSL
	28-60 Grey sand till gravel, cobbles

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PERCOLATION TESTS

Hole # / Pit #	Hole # / Pit	Test Pit 15 / Depth 60
Presoak ____ hours	Presoak ____ hours	Ledge 60 / Seepage ____
Depth ____ Mark ____	Depth ____ Mark ____	Mottling ____ / Roots 38
		Depth / Observation
		4 – 0 Duff
		0 – 1 TS
		1 – 11 Brown FSL
		11 – 60 sand/gravel/cobbles + stones well graded
Rate min/in	Rate min/in	

Test Pit 16	Depth 50	Test Pit 17	Depth 64
Ledge Poss 45"	Seepage ____	Ledge ____	Seepage —
Mottling ____	Roots 21	Mottling ____	Roots 32
Depth	Observation	Depth	Observation
-2 – 0 Duff		0 – 3 TS	
0 – 3 TS		3 – 10 Brown FSL	
3 – 6 Dk Brown FSL		10 – 64 Well graded sand → stones	
6 – 22 Yellow brown vfsl		Boulder? at 37"	
22 – 50 well graded sand, gravel → stones → boulders			

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PERCOLATION TESTS

Hole # / Pit # / Presoak hours / Depth / Mark	Hole # / Pit / Presoak hours / Depth / Mark	Test Pit 10 / Ledge — / Mottling 30 / Depth 68 / Seepage — / Roots 33
		Depth / Observation
		0-5 TS
		5-10 Red brown ~~med~~ fine sand loam w/ gravel
		10-30 Red brn med sand & gravel
		30-68 grey vf s/loam mottled
		boulders throughout
Rate min/in	Rate min/in	

Test Pit 19 / Ledge 48 / Mottling 56 / Depth 60 / Seepage — / Roots 36	Test Pit 28 / Ledge 12.5 / Mottling — / Depth 36 / Seepage / Roots
Depth / Observation	Depth / Observation
0-5 TS	0-4 TS
5-30 Brown FSL	4-36 Brown FSL
30-60 Red Sandy fill ~~red~~ FIRM	INTERLOCKED BOULDERS

8-15-07

429 1367
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Soil Tests Observed By: G. Havens

PERCOLATION TESTS

Hole # / Pit #	Hole # / Pit	Test Pit 21 / Depth 40
Presoak ____ hours	Presoak ____ hours	Ledge 28 / Seepage —
Depth ____ Mark ____	Depth ____ Mark ____	Mottling — / Roots 18"
		Depth / Observation
		0-5 TS
		5-40 Brown FSL
Rate ____ min/in	Rate ____ min/in	

Test Pit 20A	Depth 55	Test Pit ____	Depth ____
Ledge —	Seepage —	Ledge ____	Seepage ____
Mottling —	Roots 33	Mottling ____	Roots ____
Depth	Observation	Depth	Observation
0-3 TS			
3-19 Brown FSL			
19-55 Brown med sand / gravel			
INTERLOCKED BOULDERS			

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INVESTIGATION FOR SEWAGE DISPOSAL SYSTEM

Owner: Unistar Properties
Location: CORNER OF BROWNS ROAD AND STAFFORD ROAD

Date: 8/11/08
Soil Tests Observed By: Jeffrey Catlett

Test Pit 23 — Depth 67" — Ledge — — Seepage — — Mottling — — Roots 30"

Depth	Observation
0-4"	TOPSOIL
4-31"	BROWN FINE SANDY LOAM
31-67"	GRAY SANDY TILL

Test Pit 24 — Depth 74" — Ledge — — Seepage — — Mottling — — Roots 30"

Depth	Observation
0-4"	TOPSOIL
4-32"	BROWN FINE SANDY LOAM
32-74"	GRAY SANDY TILL

Test Pit 25 — Depth 65" — Ledge — — Seepage — — Mottling — — Roots 33"

Depth	Observation
0-4"	TOPSOIL
4-33"	BROWN FINE SANDY LOAM
33-65"	GRAY SANDY TILL

Test Pit 26 — Depth 64" — Ledge — — Seepage — — Mottling — — Roots 30"

Depth	Observation
0-6"	TOPSOIL
6-32"	BROWN FINE SANDY LOAM
32-64"	GRAY FINE SAND

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Date: 8/11/08
Soil Tests Observed By: Jeffrey Catlett

Test Pit 27	Depth 68"
Ledge –	Seepage –
Mottling –	Roots 29"
Depth	Observation
0-5"	TOPSOIL
5-32"	LIGHT BROWN FINE SANDY LOAM
32-68"	GRAY SAND AND GRAVEL

Test Pit 28	Depth 65"
Ledge –	Seepage –
Mottling –	Roots 20"
Depth	Observation
0-3"	TOPSOIL
3-21"	BROWN FINE SANDY LOAM
21-65"	MODERATELY COMPACT GRAY SANDY TILL

Test Pit 29	Depth 60"
Ledge –	Seepage –
Mottling –	Roots 25"
Depth	Observation
0-4"	TOPSOIL
4-25"	BROWN FINE SANDY LOAM
25-60"	GRAY SANDY TILL

Test Pit 30	Depth 63"
Ledge –	Seepage –
Mottling –	Roots 24"
Depth	Observation
0-5"	TOPSOIL
5-26"	BROWN FINE SANDY LOAM
26-63"	GRAY SANDY TILL