

Bureau of Environmental Health

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Maura J. Rossman, M.D., Health Officer

SEWAGE DISPOSAL SYSTEM SPECIFICATIONS WORKSHEET

Address: 5528 Jacks Landing Way

Subdivision: Jacks Landings Lot: 2

Table with 4 columns: System Type, Application rate, Effective area beginning depth, Bottom maximum depth. Rows include Initial system, 1st Replacement, and 2nd Replacement.

Design Flow = 150 gallons per day per bedroom

Design flow ÷ application rate = square footage of drainfield required

Linear length of trench required = drainfield square footage x sidewall reduction percentage ÷ trench width

Sidewall reduction credit formula:

(W + 2) / (W + 1 + 2D) x 100 = Percent of length of standard trench where W=trench width and D= depth between effective area beginning depth and trench bottom.

Standard design requirements:

- Trenches must be located to provide room for 3 systems in the disposal area
All trenches must be equal length unless low pressure dosed
All trenches must be on contour
Minimum trench spacing: 10' for all trenches utilizing sidewall reduction credit.
Minimum trench spacing for trenches with no sidewall credit (bottom area only) is 6' for a 2' wide trench and 9' for a 3' wide trench
Maximum trench length is 100'
Maximum pipe depth is 4'

Additional requirements:

BAT unit req'd



Approved: [Signature] Date: 2/8/18

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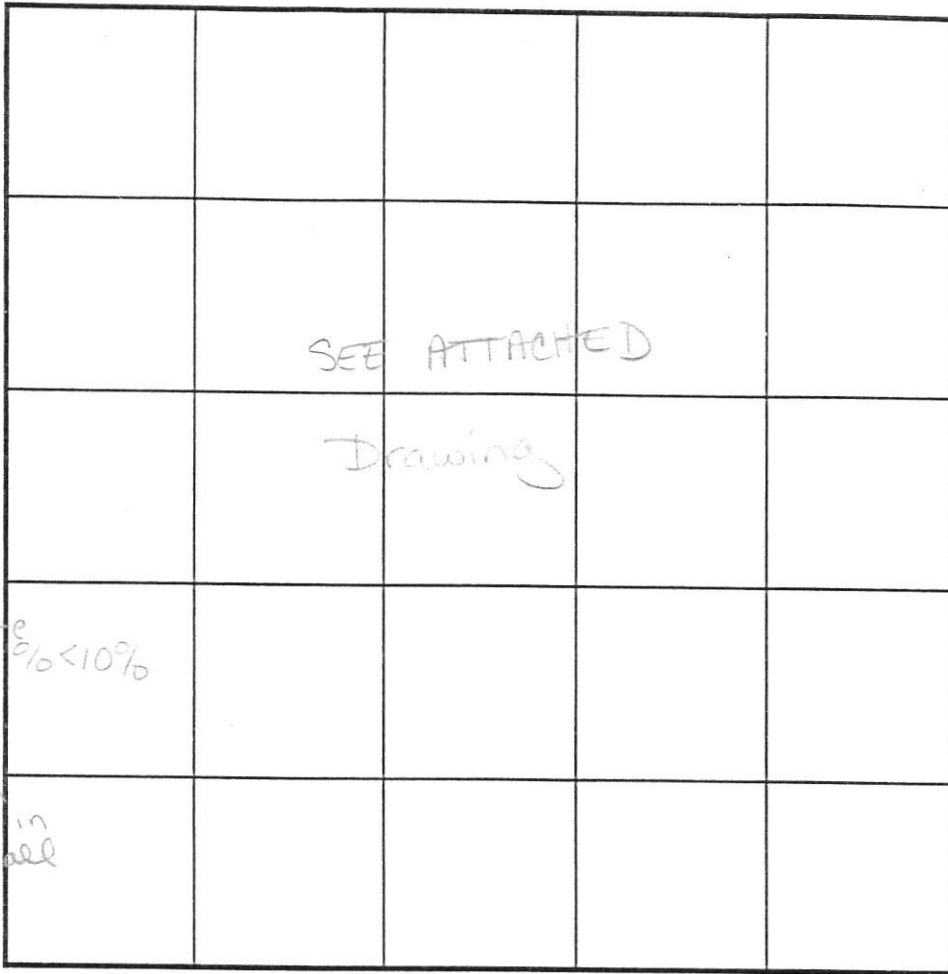
COUNTY #

SOIL PROFILE

(25)
 Tan Lm
 1'
 Brn tan micaceous Lm S
 2'
 Qtz frags 10-15%
 4'
 Lm S
 Lateral Mn concretions on fr. surface - cherty
 11'
 Bottom 14'

(26) / (30)
 Wk rd ybrn fine medium sand
 Rx
 Bottom 14'

(24)
 org brn 1m
 12-14'
 Strong brn micaceous med grained sand saprolite ~10% with lateral Mn concretions
 Bottom 14'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE

(31)
 Dense Rd S. Lm
 4 1/2'
 brn, lbrn fine sand with some white decom. Rock
 7 1/2' Rock pocket small
 Platy Soil Struct begins
 mini boulders + nodules ~30% overall
 Rx Frags
 13'
 (20) / (21)
 red-brn silt 1m
 3'
 yellow-red fine sandy 1m NO ROCK
 13'

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		MIN TIME		
			START	STOP	START	STOP			
1-14-03	(25)	6' M / 14' V	10:58	11:01	11:01	11:05	4	OK	
	(24)	5' M / 14' V	11:06 ⁵⁰	11:07 ²⁶	11:07 ²⁶	11:08 ¹⁰	1 min	Marginal	
	(27)	Compost TO 12' deep below natural grade							(F)
1/16/03	(26)	14' V	(VISUAL OK)		SEE SOIL PRF)		NA	OK	
	(31)	4 1/2' S / 13' V	11:20 ¹⁶	11:21 ⁴⁶		11:23 ³²	> 1 1/2	OK	
	(30)	SEE Soil Profile							OK
1/16/03	(21)	5' 4" T / 13' V	2:00 pm	2:04 pm	2:04 pm	2:10 pm	6 min	OK	
	(20)	4' 9" T / 14' 2" V	2:14 pm	2:16 pm	2:16 pm	2:22 pm	6 min	OK	

REMARKS _____
 TYPE OF SOIL Manor / Glenclg
 TESTED BY KN, SRK ALSO PRESENT Mr. Coleson + Brentie
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____
 INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____

517922

COUNTY #

← North

Soil Profile

5

SOIL PROFILE

(29)
Strong brn
hvy Lm
Cobbles 15%
5 1/2'
tightly
packed,
V. micaceous
lmy Sand
(Fine)
Cherty
frags
5-10%
Bottom 15'

(28)
tightly
packed
loam
w/ massive
structure
Qtz + Gneiss
frags 25-35%
9'

stony
a few
mini boulders
≤ 10%
V. micaceous
Lm S
Bottom 13'

(32)
org brn
tightly
packed
loam
micaceous
+ brn org
S Lm
white
clayey
Lm S
pocket
10'
Str brn
md grade
SAND
massive structure
Bottom



SOIL PROFILE

(33)
Strong
brn, org
brn
densely
packed
S Lm
Cobbles ~ 10%
0
5-7 1/2'
fine
Lm S
- 57
- 56
Trace
- 55
Rx
- 54
- 53
Bottom 15'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		MIN TIME		
			START	STOP	START	STOP			
1-14-03	(29)	5 1/2' S / 15' V	9:29:30	9:34:50		9:42:50	8 min	OK	
1	(28)	5 1/2' S / 13' V	9:38:44	9:41:21		9:49	8 min	OK	
	post-hole digger size	DUG INTO Rx 1" upper 7' perc	10:16:03	10:20:34		10:22:57	~ 2 1/2	OK	
	(32)	4 1/2' S / 14' V	9:47	9:55		10:11	16 min	OK	
	(33)	4 1/2' S / 15' V	10:01:28	10:06:11		10:12	6 min	OK	
	(23)	4' S / 14' V	10:28:35	10:31:20		10:34	~ 3 1/2	OK	
	(22)	Visual	See Soil Profile						OK
		Overall	micaceous, Rx frags < 10%						
			with v. fr. saprolite						
		* Natural Grate well preserved.							

REMARKS: Some Holes not dug as staked due to road or berm

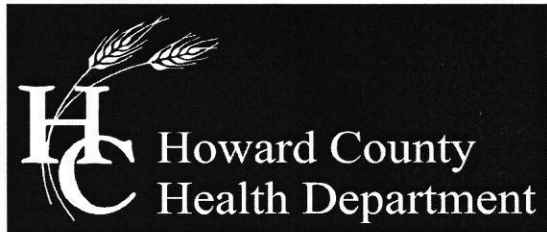
TYPE OF SOIL: ISSUES, SEE PAGE 2 OF SERIAL SURV. Note for additional

TESTED BY: KN percolation data. ALSO PRESENT: Mr. Anderson + Justin Brendle

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____

DATE/TIME



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Maura J. Rossman, M.D., Health Officer

MEMORANDUM

TO: Michael Barlow, MWD 355
Barlow Well Drilling

FROM: Ryan Rappaport, LEHS 
Well & Septic Program

RE: VOC Testing required of all wells at Jack's Landing Lots 1-8 & Parcel A

DATE: October 20, 2014

As per the approved and signed Percolation Certification Plan dated February 6, 2014, general note #13: VOC Testing will be required on all wells prior to health signature of final plat. See special condition on each well permit for specific requirements.