

Bureau of Environmental Health

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

SEWAGE DISPOSAL SYSTEM SPECIFICATIONS WORKSHEET

Address: _____

Subdivision: Ten Oaks Farm Lot: 6

Initial system: Application rate: 1.2 Effective area beginning depth: 3' Bottom maximum depth: 8'

1st Replacement: Application rate: 1.2 Effective area beginning depth: 3 Bottom maximum depth: 8

2nd Replacement: Application rate: 1.2 Effective area beginning depth: 2.5 Bottom maximum depth: 5 (near hole 5003)

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:

- 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. Additional spacing may be necessary for any trench using over 3.5' of effective sidewall. In those cases, the spacing formula is 2D + W up to a maximum spacing of 18'.
• 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 (spacing is measured edge to edge)
• Maximum trench length is 100'
• Maximum pipe depth is 4'

Additional requirements:

Trench bottom at 5' near #5003
Trench bottom at 3' near #6012

Approved: Hank Oswald Date: 4/3/12

6010

5004

5003

6013

6012

AP 555737

6008A

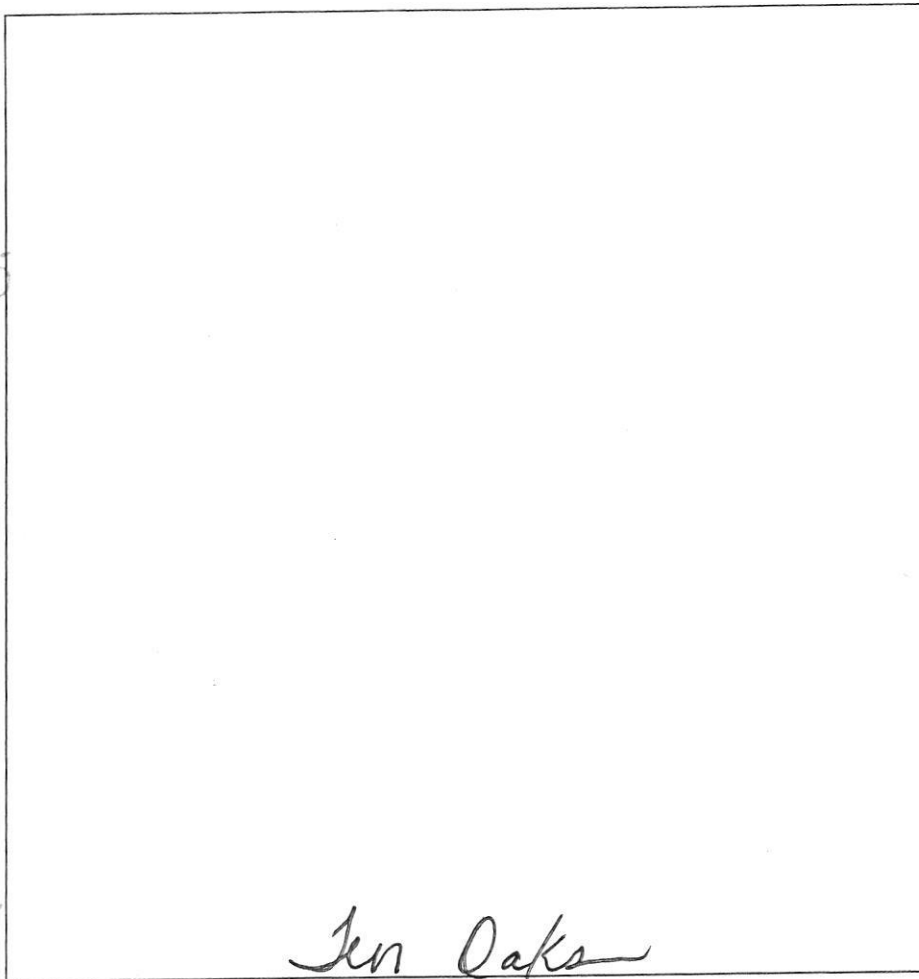
Red Brown
yellow
Sh
4.5
Red Brown
yellow
Sh
many
mud
5-10%
Ry
↓
15

6010

Red Brown
yellow
Sh
3.5
Red Brown
yellow
Sh
5-10%
Shall
many
mud
↓
14

#6009

Red Brown
yellow
Sh
3.5
Red Brown
yellow
Sh
many
mud
5-10%
Ry
↓
13.5



Ten Oaks

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H.
5-6-15	6008A	5.5/15	10:13	10:17	10:21	4	P
5-6-15	6008	4.5/14	10:15	10:19	10:22	3	P
5-6-15	6009	4.5/13.5	10:22	10:24	10:27	3	P
5-6-15	6010	4/13.0	10:29	10:30	10:31	—	P
	Repair		10:37	10:37	10:36	2	P
5-6-15	6013	4/13.5	10:40	10:42	10:43	—	P
	Repair		10:43	10:46	10:49	3in	P
5-6-15	6012	3.0/10	10:50	10:58	11:08	11min	P
	4 marginal						

#6010
Red Brown
yellow
Sh
3
Red Brown
yellow
FSH
many
mud
↓
13

#6013
Red Brown
Sh
many
mud
3
Red Brown
yellow
FSH
many
mud
H₂O in
the bottom
13.5

#6012
Red Brown
yellow
Sh
2.5
Red Brown
yellow
FSH
mgn deposits
H₂O in
the bottom
@ 7'
↓
10

REMARKS _____
 SANITARIAN Beards BACKHOE _____ OTHERS _____
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

A/P# 555739

HOWARD COUNTY PERC TEST REPORT

Lot # _____

Hole # 08

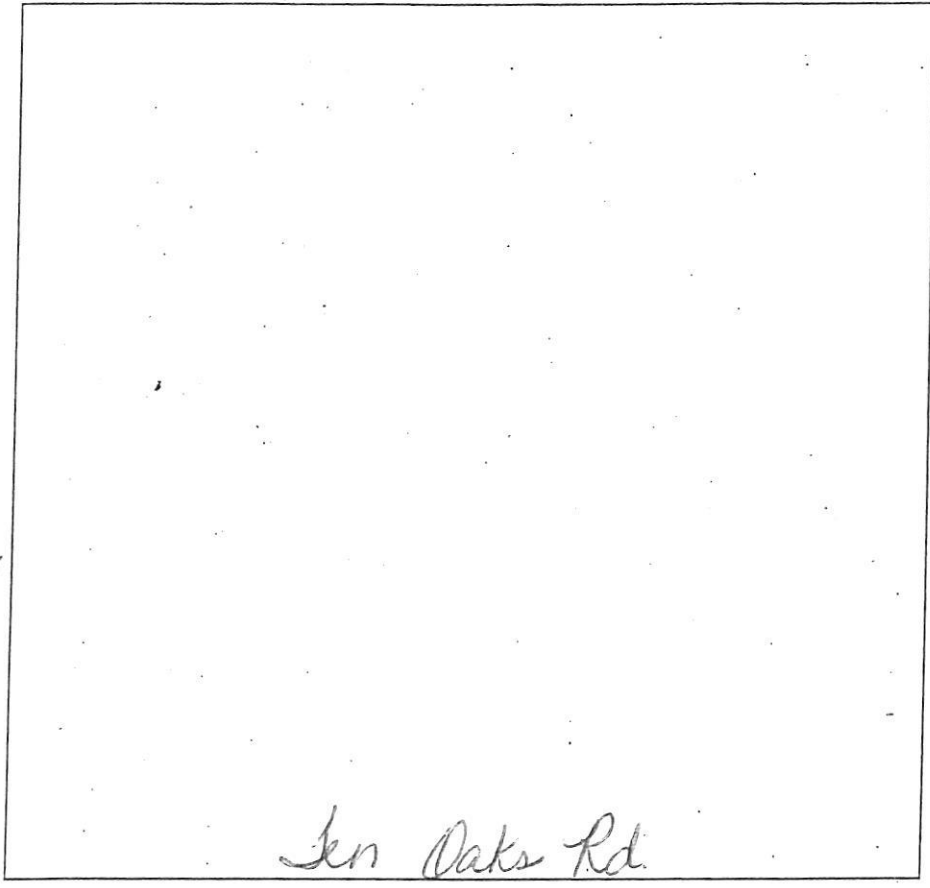
Red Brown
yellow
Sh
many
micr
↓
5'

Hole # 05

Red Brown
yellow
Sh
↓
H2O in
the Bottom
↓

Hole # 02

Red Brown
yellow
Sh
H2O
in
Bottom
↓
6'



Hole # 01

Red Brown
yellow
Sh
many
micr
52'
4.5'
Red Brown
yellow
Sh
H2O @
5'
NO Buffer 5'

Hole # 03

Red Brown
Sh
2.5'
Red Brown
yellow
Sh
many
micr
H2O @
marginal
9'

Hole # 04

Red Brown
yellow
Sh
3'
Red Brown
yellow
Sh
many
micr
H2O @ 14'
Bottom
15'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
4-16-15	08	5'	_____	_____	_____	→ NO	F
4-16-15	05	"	_____	_____	_____	→ Buffer	F
4-16-15	02	6'	_____	_____	_____	→ NO Buffer	F
4-14-15	03	4.5'	10:37	10:39	10:42	3 hrs	F
4-16-15	04	4.5'	10:46	10:48	10:51	3 min	F

REMARKS _____

SANITARIAN D. Bernard BACKHOE 11

OTHERS _____ SQ. FT/BR _____

TEST HOLES USED IN SDA _____ AVG PERC TIME _____

TRENCH WIDTH _____ INLET DEPTH _____

MAX BOT DEPTH _____ EFFECTIVE SDW _____