

Bureau of Environmental Health

8930 Stanford Boulevard, Columbia, MD 21045

Main: 410-313-2640 | Fax: 410-313-2648

TDD 410-313-2323 | Toll Free 1-866-313-6300

www.hchealth.org

Facebook: www.facebook.com/hocohealth

Twitter: HowardCoHealthDep

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

SEWAGE DISPOSAL SYSTEM SPECIFICATIONS WORKSHEET

Address: 17549 Hardy Road

Subdivision: William and Susan Dodd Property Lot: 1

Handwritten notes: 38, 35, B, 34, 34, 33, 37. Initial system: Application rate: 0.8 Effective area beginning depth: 5.5 Bottom maximum depth: 8.0. 1st Replacement: Application rate: 0.8 Effective area beginning depth: 4.5 Bottom maximum depth: 7.0. 2nd Replacement: Application rate: 0.8 Effective area beginning depth: 4.5 Bottom maximum depth: 7.0.

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'

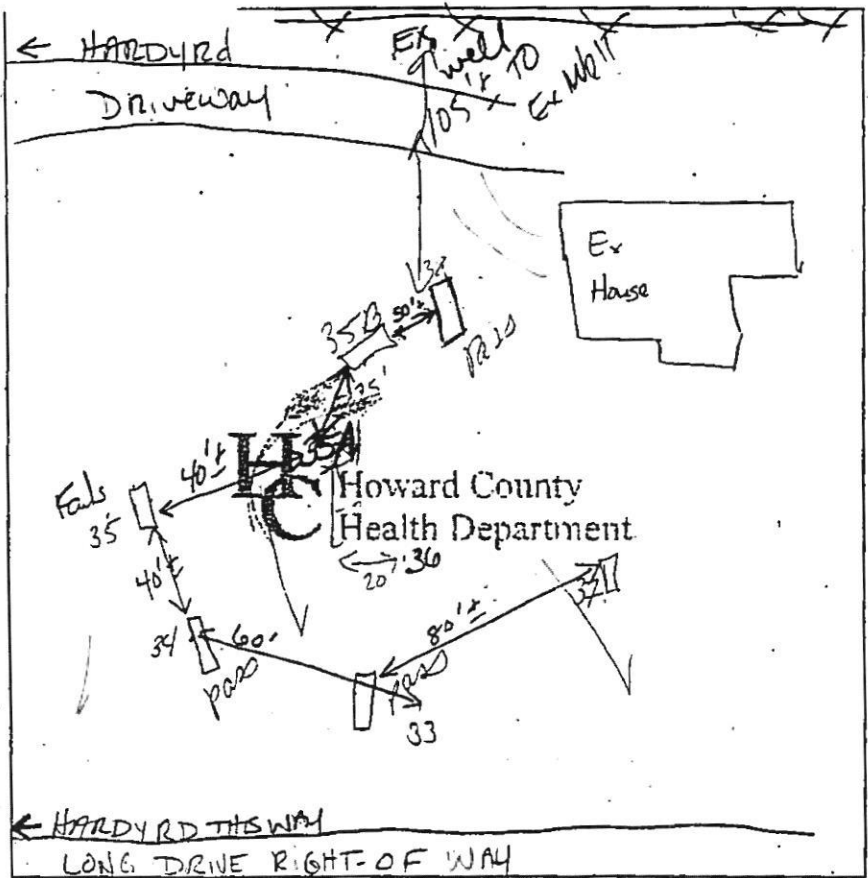
Additional requirements:

Approved: [Signature] Date: _____

33
 Str brn, org brn
 w/ L Sb K,
 gr, w/ some
 CLAYSKINS
 3'
 TRANS. ZONE
 Str y v.f. LS
 4'
 Str y. Loam/
 SL loam
 loose
 chert
 frags/saprolite
 ~10%
 w/ platy
 15% SL loam
 Bottom
 12'

34
 Str org,
 Str y
 Loam, pocket
 of S.L. or y.S.L.
 12'
 w/ y brn
 Loam
 pockets of
 white S.L.
 (S-ngr)
 11'
 chert frags
 Bottom
 15-20%

35
 Str brn
 silt
 2 1/2-3'
 chert frags
 2 1/2-3'
 gritty
 LS
 4'
 Str y silt
 white
 silt
 chert frags
 30%
 6'



35A
 Str brn
 w/ L. s. L.
 3'
 5'
 6'
 Str silt
 chert
 frags
 ~35%
 10' 10"

38/36
 Str brn
 w/ L. s. L.
 chert 10%
 2 1/2-3'
 y brn,
 brn
 L-SL-
 LS
 Rx ~10%
 c.w.
 E 1 pl
 Bottom
 12'

35B
 Str y brn
 CL
 2'
 Str rd brn
 CL
 3'
 TRANSITION
 TO SCL
 5 1/2'
 Str rd
 gritty
 Loam
 chert
 frags 2-3mm
 to 20mm
 pockets str y
 silt

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H
7/13/05	33	4 1/2'	12:08	12:12	12:19	7	P
	34	4' M	12:03	12:07	12:15	7	P
	35	Excessure Rx	Bottom @ 8'				F
	35A	5 gal ons @ 10' 10"	12:21	12:24	3 min		F
	38	5 1/2'	12:54	12:58	1:04	6	P
	35B	5 1/2'	12:54	12:58	1:03	8	P
	36	See Hole # 38	Visual				P
	37	8' Sgall	TESTED IN Rx 1:08	1:14	Trench inlet 2' bottom @ 4'		MP

REMARKS 35A, 35B Not per plan
 SANITARIAN Karoo BACKHOE _____ OTHERS Mr. Dodd
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ.-FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

