



Bureau of Environmental Health

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

SEWAGE DISPOSAL SYSTEM SPECIFICATIONS WORKSHEET

Address: Clarksville Pike

Subdivision: Clarksville Crossing Lot: 2

622A 621B Initial System: Application rate: 1.2 Effective area beginning depth: 5 Bottom maximum depth: 7

621B 1st Replacement: Application rate: 1.2 Effective area beginning depth: 6 Bottom maximum depth: 8

621A 620A 2nd Replacement: Application rate: 0.8 Effective area beginning depth: 5.5 Bottom maximum depth: 7.5

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'

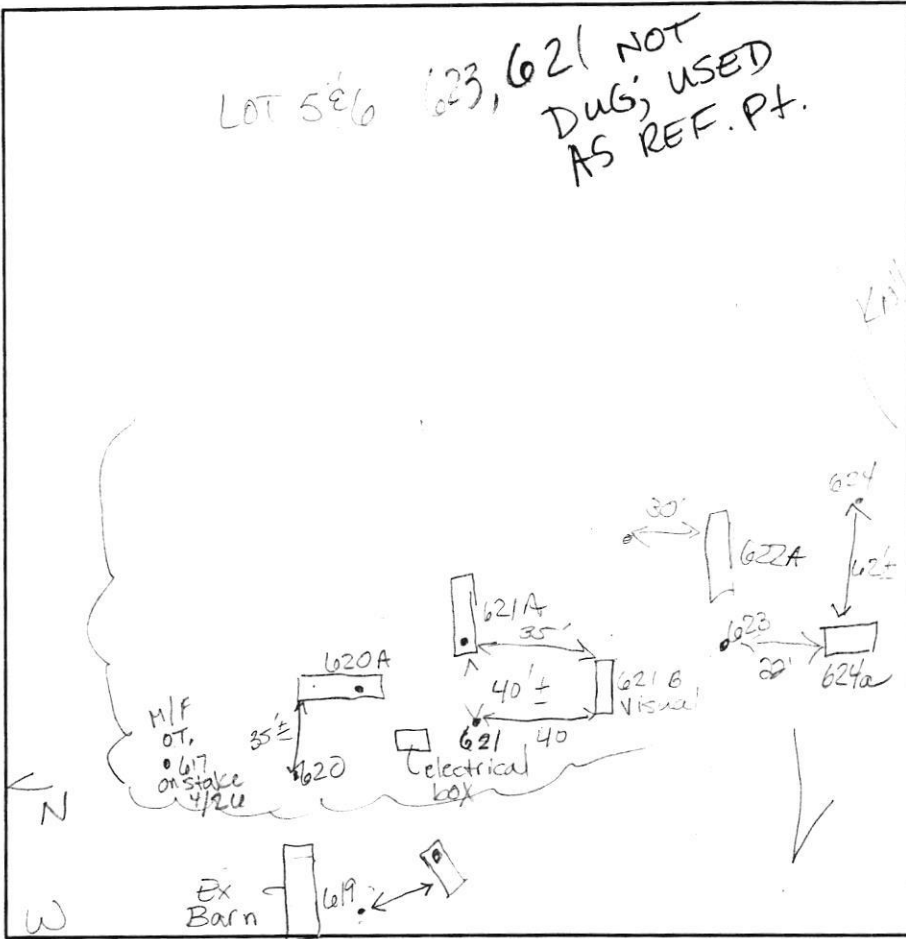
Additional requirements:

Approved: R Bricker

Date: 6/15/2008 RB

AP 520113-C

LOT 5 & 6 623, 621 NOT DUG; USED AS REF. PT.



620A
 Dense Rd
 CL Loam
 Ribbons 22"
 5 1/2'
 NOT MUCH
 Rx ~ 10%
 or less
 med fine
 grained
 sand
 tan
 ybrn
 brn
 single gr.
 texture
 tightly
 packed
 11 1/2'
 10'
 H. Bottom

621a
 Str rdbn
 Dense
 CLL
 3'
 tightly
 compacted
 micac
 strong brn
 black micac
 white micac
 med gr
 Sand -
 L Sand
 Bottom 14'

619
 Strong brn
 white
 rd brn
 black
 fine-med
 gr.
 sand
 12'

621B
 Deep org
 dense
 Clay
 6'
 14br, 4 brn
 v. wk sep.
 pebbles
 15-20%
 Appears
 as v. wk
 Flaty
 Structure
 OLD S&P
 Now p. rdbn
 layered
 med lg gr
 sand
 13 1/2'

622A
 Strong rdbn.
 SOLL
 2-3'
 4'
 5+
 SILL v. micac
 SIL
 fine
 s.l.m
 H brn
 v. micac
 NOT as
 compacted
 AS other
 surrounding
 holes (N hole)
 N Bottom 11'

624a
 Dense
 wt rd micac
 SOLL
 3'
 5'
 brn
 ybrn
 fine s.l.m
 v. micac
 v. wk holds ball
 pebbles of
 spherulite
 ~ 10-15%
 like
 622a
 H Bottom 11 1/2-12'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
4-30-04	620	5 1/2'	8:53	8:00 min-	NOT to	Second Aug repair	
	619	2' 10"	8:47	8:49	8:53	4	P
	620	7' 5"	9:27	9:34	9:47	13	P
		Poured 2 1/2 gallons @		11 1/2'		9:28-9:36 2/5 gpre OK	
	621A	6' 5"	9:32	9:38	9:43	5 min	P
	621B	Visual	SEE	SOIL	Profile		
LOT 6	622A	7' 5"	9:54	9:55	9:57	2 min	P
	624a	5 1/2'	10:03	10:05	10:10	5	P

REMARKS Holes dug off stake & re-named Measured from Stakes done by surveyor
 SANITARIAN Race BACKHOE Ketterman OTHERS Mr Brown
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

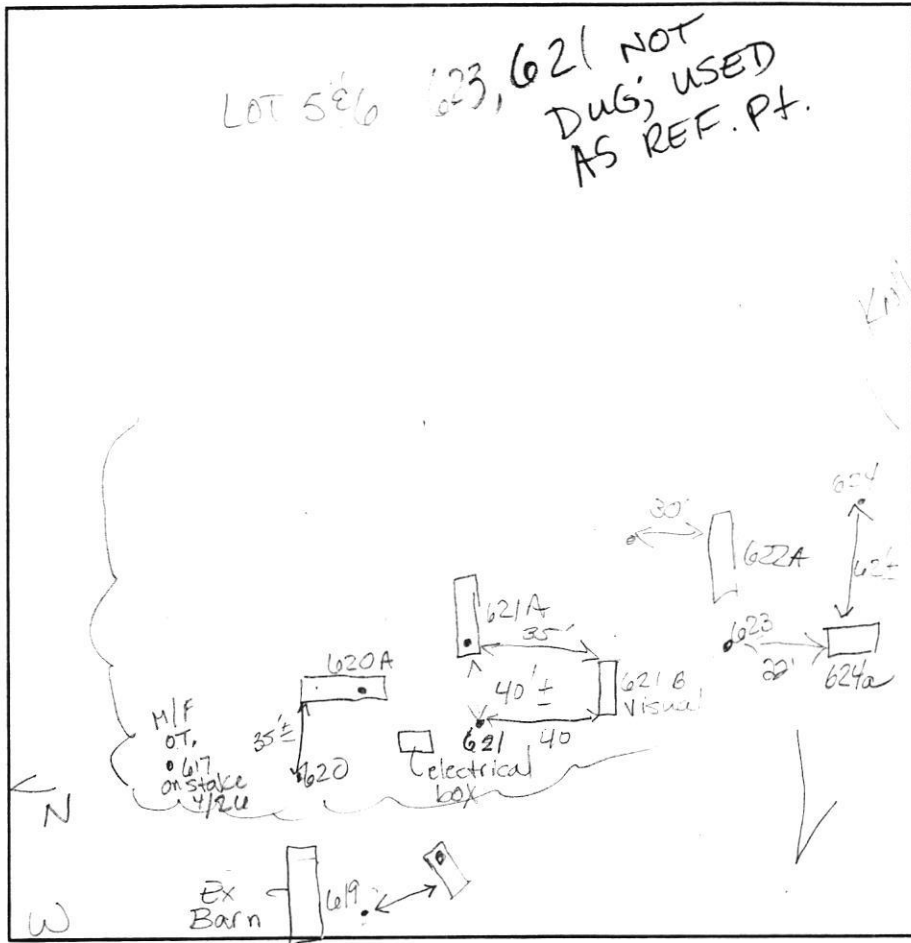
DUG HOLES ADJ. OFF Field-located stakes
 619 & 620
 Lots 3 & 4
 622 & 624

AP 520113-B

620A
 Dense rd
 CL Loam
 Ribbons 22"
 5 1/2'
 NOT MUCH
 Rx ~ 10%
 or less
 med fine
 grained
 sand
 tan
 y brn
 brn
 Single gr.
 texture
 tightly
 packed
 11 1/2'
 10'
 H. Bottom

621a
 Str rd brn
 Dense
 CLL
 3'
 tightly
 compacted
 micac
 Strong brn
 black micac
 white micac
 Med gr
 Sand -
 LSand
 Bottom 14'

619
 Strong brn
 white
 rd brn
 black
 fine-med
 gr.
 sand
 Start at
 10' 1/2'
 12'



621B
 Deep org
 dense
 clay
 6'
 11 br, y brn
 v. wk sap.
 pebbles
 15-20%
 Appears
 as v. wk
 Flaty
 structure
 OLD S&P
 Now probably
 layered;
 med lg gr
 sand 13 1/2'

622A
 Strong rd brn.
 SOLL
 23
 4
 5+
 SiCLL v. micac
 SiL
 fine
 S.L.M
 H brn
 v. micac
 NOT as
 compacted
 AS other
 surrounding
 holes (N holes)
 H. Bottom 11'

624a
 Dense
 WE rd micac
 SOLL
 3'
 5'
 brn
 y brn
 fine S.L.M
 v. micac
 v. wk holds ball
 pebbles of
 Sappelite
 ~ 10-15%
 1/3 left
 H. Bottom 11 1/2-12'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
4-30-04	620	5 1/2'	8:33	80 min -	NOT to	Second peg repair	
	619	2' 10 1/2"	8:47	8:49	8:53	4	P
	620	@ 7' S	9:27	9:34	9:47	13	P
		Poured 2 1/2 gallons @	11 1/2'			9:28-9:36 1/3 left 2/5 spore OK	
	621A	6' S	9:32	9:38	9:43	5 min	P
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REMARKS Holes dug off stake & re-named Stakes done by Surveyor Measured from
 SANITARIAN Race BACKHOE Kittaman OTHERS MR BROWN - Staked correctly

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

DUG HOLES ADJ. OFF Field-located stakes

619 & 620
 Lots 3 & 4
 622A & 624a
 at 4:45