



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: 1901 Old Annapolis Road

Subdivision: Sartorio Property Lot: 5

Initial system: Application rate: 1.2 Effective area beginning depth: 4 Bottom maximum depth: 8

1st Replacement: Application rate: 1.2 Effective area beginning depth: 4 Bottom maximum depth: 8

2nd Replacement: Application rate: 1.2 Effective area beginning depth: 4 Bottom maximum depth: 8

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'

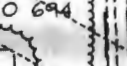
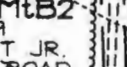
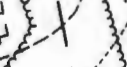
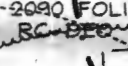
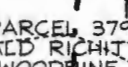
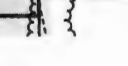
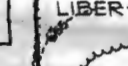
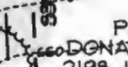
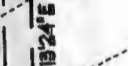
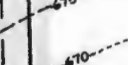
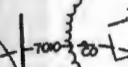
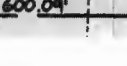
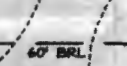
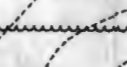
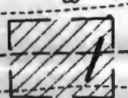
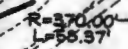
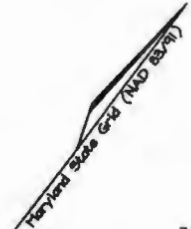
Additional requirements:

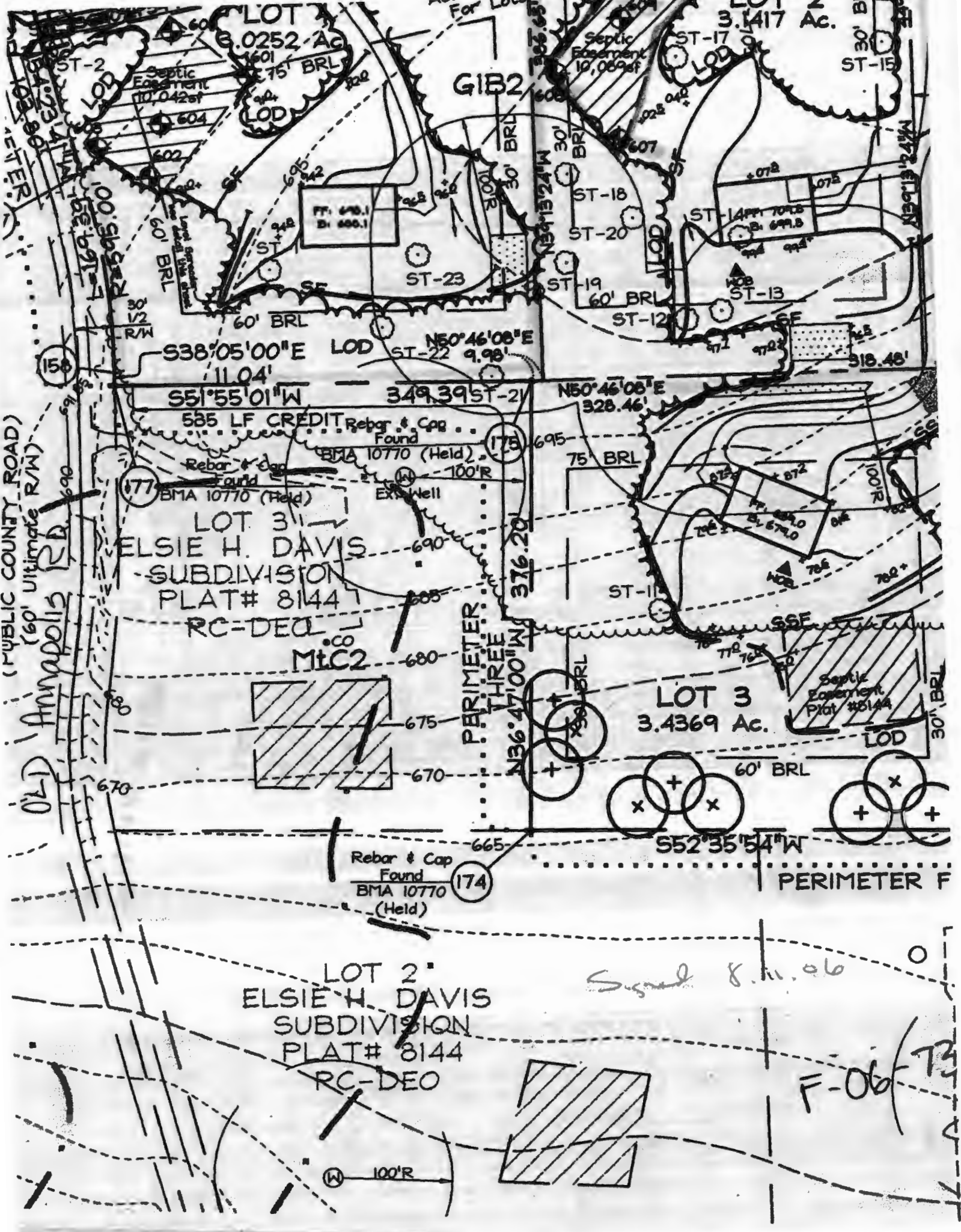
Approved: Hank Oswald Date: 1/2/19

Perc Cent signed 1/2/05

SOILS LEGEND		
SYMBOL	NAME / DESCRIPTION	SOIL GROUP
GIB2	Glenns loam, 8 to 8 percent slopes, moderately eroded	B
MtB2	Fr. Aky cherty loam, 8 to 8 percent slopes, moderately eroded	A

— = proposed
— =





LOT 2
3.0252 Ac.
75' BRL
LOD

LOT 2
3.1417 Ac.
30' BR

GIB2

OLD Annapolis Rd.
(60' ultimate R/W)
PUBLIC COUNTY ROAD

LOT 3
ELSIE H. DAVIS
SUBDIVISION
PLAT# 8144
RC-DEO
MTC2

LOT 3
3.4369 Ac.
LOD

LOT 2
ELSIE H. DAVIS
SUBDIVISION
PLAT# 8144
RC-DEO

158

177

175

174

100'R

S38°05'00"E LOD 11.04'

S51°55'01"W 349.39'

ST-21

N50°46'08"E 328.46'

PERIMETER THREE
N36°47'00"W 376.20'

S52°35'54"W

PERIMETER F

Rebar & Cap Found
BMA 10770 (Held)

BMA 10770 (Held)
Rebar & Cap Found

535 LF CREDIT

BMA 10770 (Held)
Rebar & Cap Found

Ex. Well

Septic Easement
Plat #8144

Septic Easement
10,069sf

Septic Easement
10,069sf

FF: 698.1
B: 680.1

FF: 704.8
B: 699.8

FF: 694.0
B: 679.0

ST-18

ST-20

ST-19

ST-12

ST-14

ST-17

ST-15

ST-23

ST-22

ST-11

ST-16

ST-10

60' BRL

30' BRL

30' BRL

60' BRL

60' BRL

60' BRL

60' BRL

60' BRL

60' BRL

60' BRL

60' BRL

60' BRL

60' BRL

60' BRL

60' BRL

60' BRL

60' BRL

60' BRL

30' V2 R/W

30' V2 R/W

30' V2 R/W

30' V2 R/W

30' V2 R/W

30' V2 R/W

30' V2 R/W

30' V2 R/W

30' V2 R/W

30' V2 R/W

30' V2 R/W

30' V2 R/W

30' V2 R/W

30' V2 R/W

30' V2 R/W

30' V2 R/W

30' V2 R/W

30' V2 R/W

30' V2 R/W

30' V2 R/W

30' V2 R/W

30' V2 R/W

30' V2 R/W

30' V2 R/W

30' V2 R/W

30' V2 R/W

30' V2 R/W

30' V2 R/W

30' V2 R/W

30' V2 R/W

Signal 8.11.06

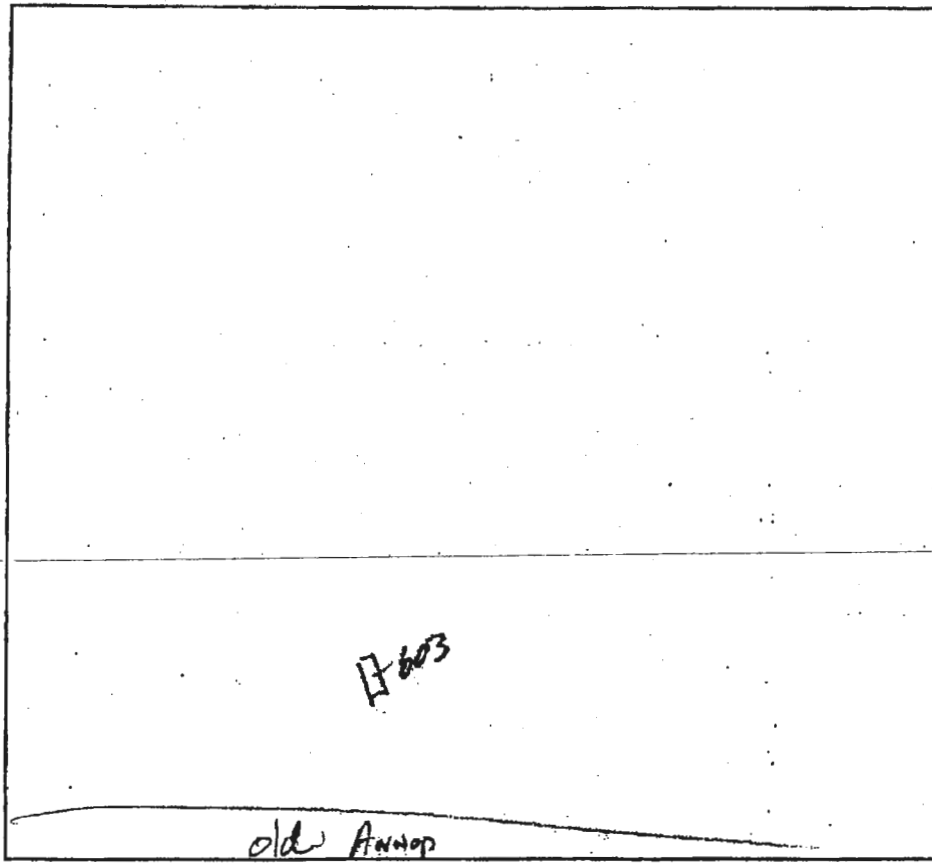
F-06-73

A/P 603
 Brown
 L
 Pink/Brown
 Sil
 Yellow/Brown
 Sil w/
 10%
 Saprolite

602
 Brown
 L
 Red/Orange
 Brown
 Sil w/
 10%
 SAP
 Yellow/Brown
 Sil
 15-20%
 Sap

600
 Brown
 L
 Yellow/Brown
 Sil
 w/ 10%
 Saprolite

601
 Brown
 L
 Yellow/Brown
 Red
 Sil w/
 15%
 Saprolite



DATE	TEST #	DEPTH	START	BREAK 1' DROP	STOP 2' DROP	TIME OF 2nd INCH	P/F/H
12/14/04	603	4' / 13'	8:50	8:52	8:55	3min	P
	600	3 1/2' / 13'	8:57	9:00	9:04	4	P
	604	- / 13'	-	-	-	ok	P
	602	4 1/2' / 12 1/2'	9:05	9:08	9:11	3min	P
	601	4 1/2' / 10'	9:13	9:15	9:19	4min	P

604
 Brown
 L
 Yellow/Brown
 Sil
 w/ 20%
 Saprolite

REMARKS _____

SANITARIAN KJB BACKHOE Justin OTHERS Chuck, Tim, Zuck

TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____

TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE S/W _____