Howard County Health Department

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

# SEWAGE DISPOSAL SYSTEM SPECIFICATIONS WORKSHEET

Revised

Address: 2911 Maple Leaf Way

Subdivision: Maple View Lot: 1

| | | | | | |
|---|---|---|---|---|---|
| **Initial system:** | **Application rate:** 1.2 | **Effective area beginning depth:** 4 | **Bottom maximum depth:** 6 |
| **1st Replacement:** | **Application rate:** 0.8 | **Effective area beginning depth:** 4 | **Bottom maximum depth:** 8 |
| **2nd Replacement:** | **Application rate:** 0.8 | **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:

$$\frac{W + 2}{W + 1 + 2D} \times 100 =$$

Percent of length of standard trench where W=trench width and D= depth between effective area beginning depth and trench bottom.

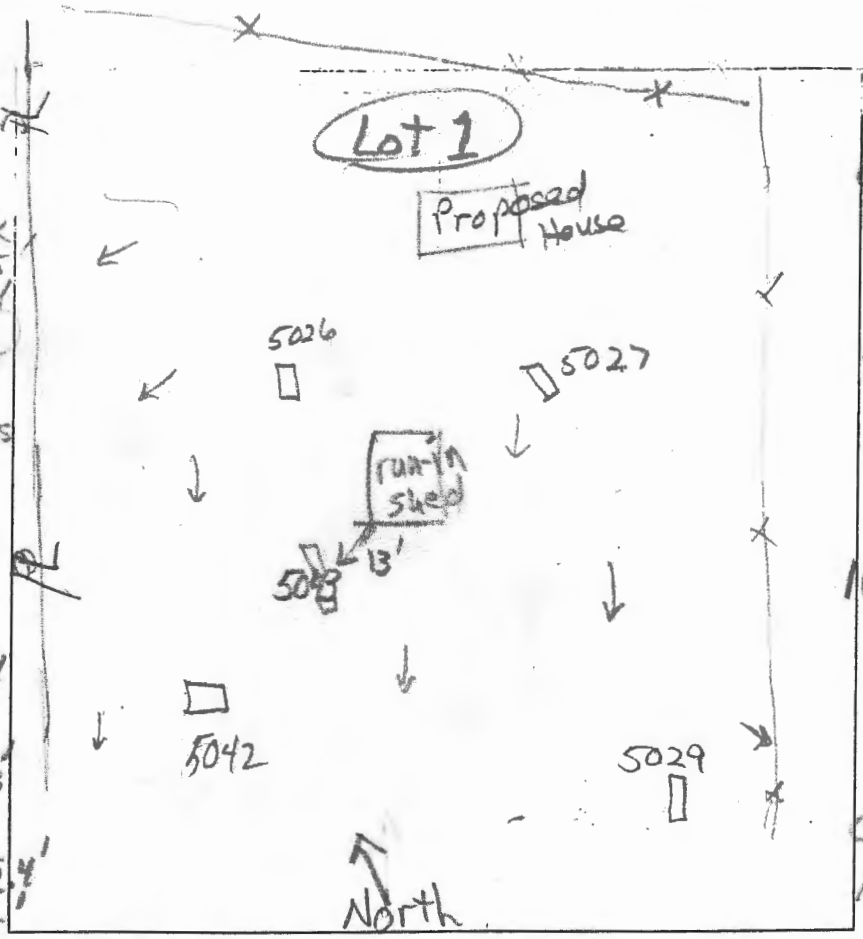
Standard design requirements:

- 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
- Tank and trenches must be placed as shallow as possible while maintaining 2% fall in pipe from house and at least 18" cover over trenches. If 2% fall from house is not possible, the minimum allowable fall is 1%.
- 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: 2/6/2019

JW 6/14/2018




5029

dk brn L
brn L, 3 msbk
yel-red L
yel-red fsl
yel-red sl few boulders
yel-red sts l
red ls micaceous
2.5
3'
4'
8'
10'
12'

5027

dk brn L
brn gr L, 2 msbk to 1 msbk
brn fsl Øm, dense, micaceous
brn & tan ls many mica
red ls micaceous few brn
red & yel ls many mica
0.3'
2.4'
3.5'
8'
10'
12'

5026

dk brn L
brn L, 2 msbk
brn L, 1 msbk
brn & yel-red L, Øm dense
yel-red fsl Øm, dense, c.
yel-red & tan ls many mica
micaceous red ls
yel-red & brn-yel ls many mica
2'
3.7'
4.1'
7'
11.1'
13'

5042

dk brn L to brn L, 2 msbk
yel-red cl 2 fcbk to 1 fsbk
yel-brn & yel-red L, Øm dense
yel-red & yel-brn fsl, Øm, dense
yel-red & lt. grey-brn ls micaceous
0.8'
3'
4.2'
5'
10'
brn chls, 2 mpl micaceous
12'

5043

dk grey-brn L
brn L, 2 msbk
yel-brn L, 1 msbk
brn L, Øm common mica.
brn sl many mica
red & brn chls. micaceous
brn fils channers micaceous
0.3'
1.8'
2.5'
4'
6.6'
10.1'
12'

| DATE | TEST # | DEPTH | START | BREAK 1" DROP | STOP 2" DROP | TIME OF 2ND INCH | P/F/H |
|---|---|---|---|---|---|---|---|
| 7/16/12 | 5029 | 12' | Visual | | Sidewall 0.8 gpd | 4' to 8' / 1 cf 2 | P |
| 7/16/12 | 5042 | 12' | Visual | | Sidewall 1.2 gpd | 5'-8' / 1 cf 2 | P |
| 7/16/12 | 5027 | 6.5' / 10' | 1:53 | 1:57 | 2:03 | 6 | P |
| 7/16/12 | 5026 | 5.8' / 13' | 2:14 | 2:17 | 2:21 | 4 | P |
| 7/16/12 | 5043 | 9.8' / 10.1' | 2:36 | 2:39 | 2:48 | 9 | P |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

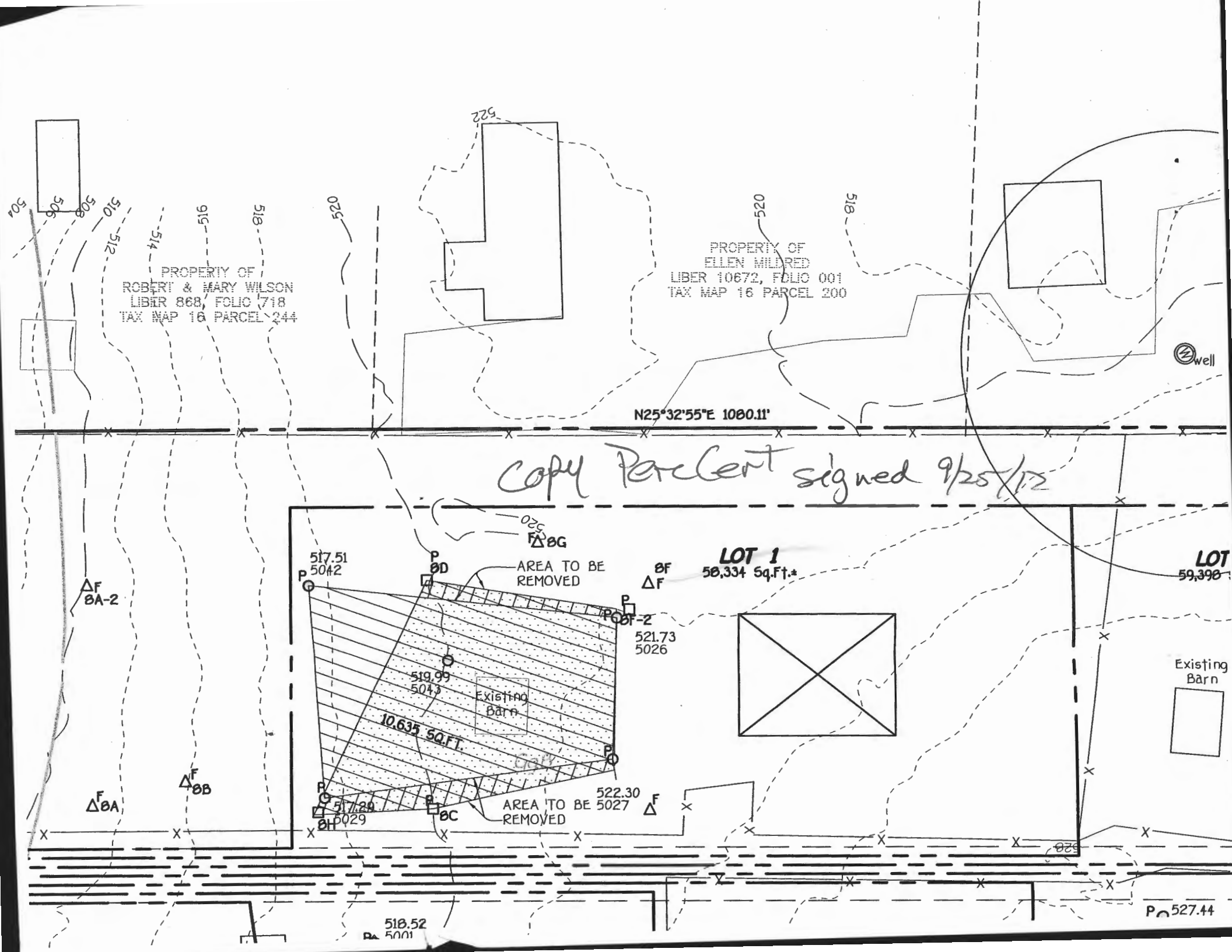
REMARKS reshape formerly approved septic reserve (no data found)

SANITARIAN RB BACKHOE J. & L. Allen OTHERS Tony Fertitta

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

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

* public water


PROPERTY OF
ROBERT & MARY WILSON
LIBER 868, FOLIO 718
TAX MAP 16 PARCEL 244
PROPERTY OF
ELLEN MILDRED
LIBER 10672, FOLIO 001
TAX MAP 16 PARCEL 200
N25°32'55"E 1080.11'
Well
Copy Parcert signed 9/25/12
LOT 1
50,334 Sq.Ft.±
LOT
59,398
AREA TO BE REMOVED
AREA TO BE REMOVED
10,635 SQ.FT.
Existing Barn
Existing Barn
517.51
5042
519.99
5043
521.73
5026
522.30
5027
517.29
5029
518.52
5001
527.44
BA
BA-2
BB
BC
BD
BF
BF-2
BG
BH