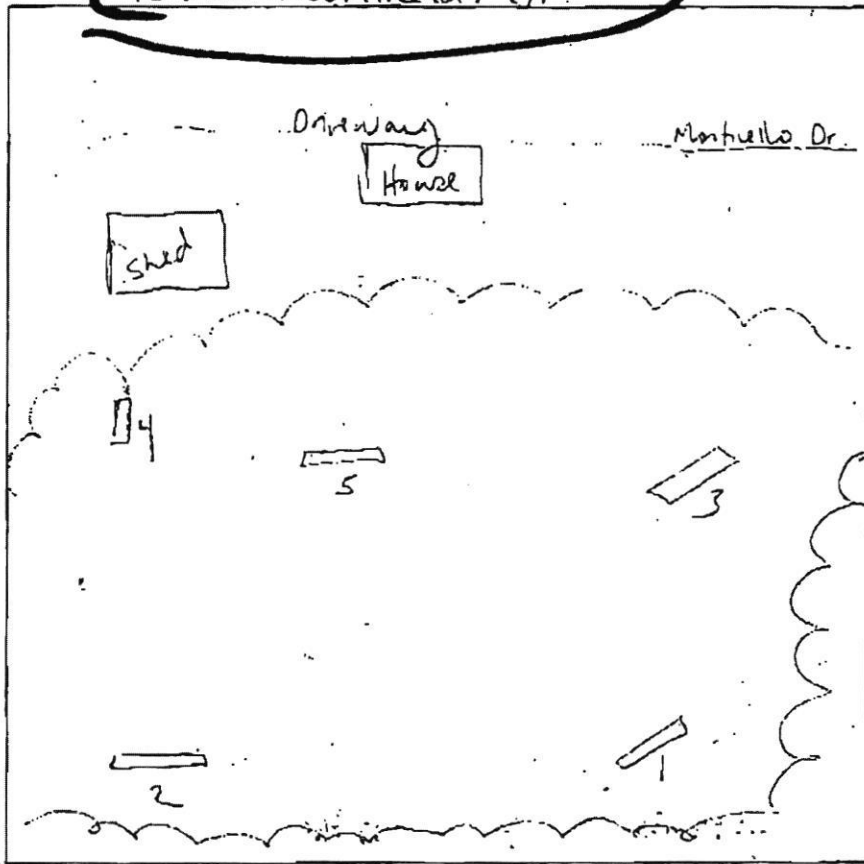


13950 Montzella Dr.



6" brown L  
pink brown  
hsil (sicl)  
cw bk  
25% gravel  
3' pink brown  
sil bk / sg  
cw  
25% gravel  
11'

8" brown L  
yellow brown  
sicl sbk  
cw  
trace rock  
~34" yellow brown  
sil sbk  
cw sg  
trace rock  
13'

4" brown L  
pink brown  
sicl sbk  
cw trace rock  
3 1/2" pink brown  
sil sg  
cw bk (slk)  
trace rock  
13'

AP  
3

46" brown L  
red brown  
sicl sbk  
cw  
25% gravel  
pink brown  
sil  
cw sbk  
25% gravel (gravel)

12' 24' 35" 11'  
5  
brown L  
pink brown  
sicl  
cw sbk  
25% gravel  
pink brown  
sil  
cw sbk (bk)

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	PFM
	1	4' / 11'	8:54	8:55	8:57	2	P
	2	4'5" / 13'	9:00	9:03	9:08	5	P
	3	4'5" / 12'	8:32	8:38	8:50	12	P
	4	5' / 13'	9:09	9:11	9:13	2	P
	Middle 5	11'					VP

REMARKS Holes dug per plan  
 SANITARIAN CF BACKHOE Jeff Allen OTHERS Chuck Sharp  
 TEST HOLES USED IN SDA \_\_\_\_\_ AVG. PERC TIME 5.2 SQ. FT/BR \_\_\_\_\_  
 TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE SW \_\_\_\_\_

## Oswald, Hank

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**From:** Oswald, Hank  
**Sent:** Wednesday, September 29, 2021 2:48 PM  
**To:** 'roshanj@aol.com'  
**Subject:** OSDS Plan\_13980 Monticello Drive\_Sharp Lot 1

Hi Roshann:

The OSDS Plan for 13980 Monticello Drive has been reviewed with the following comments:

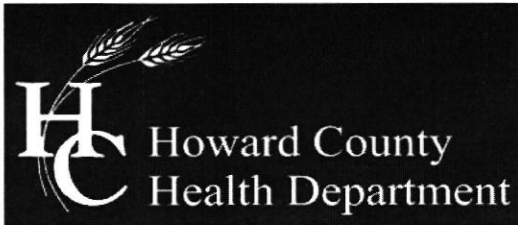
- 1.) The proposed swale is within 50 feet of the well box (The setback is 100 feet if it's a wet swale).
- 2.) The well box is within 10 feet of the driveway.
- 3.) Perc test hole P4 is labeled P8.

Should you have any questions, please don't hesitate to ask.

Thanks,

Hank

Hank Oswald, L.E.H.S.  
Howard County Health Department  
Well and Septic Program  
410.313.1786  
hoswald@howardcountymd.gov



Bureau of Environmental Health

8930 Stanford Boulevard, Columbia, MD 21045

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Twitter: HowardCoHealthDep

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

SEWAGE DISPOSAL SYSTEM SPECIFICATIONS WORKSHEET

Address: 13980 Monticello Drive

Subdivision: Charles E Denise Sharp Lot: 1

Initial system: Application rate: 1.2 Effective area beginning depth: 3.5 Bottom maximum depth: 8'
1st Replacement: Application rate: 1.2 Effective area beginning depth: 3.5 Bottom maximum depth: 7'
2nd Replacement: Application rate: 0.8 Effective area beginning depth: 4.5 Bottom maximum depth: 7'

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: 8/31/21

**SOILS LEGEND**

SOIL	NAME	CLASS
Ba	Basal silt loam	B
ChA	Cherty silt loam, 0 to 3 percent slopes	B
ChB	Cherty silt loam, 3 to 8 percent slopes, moderately eroded	B
ChC	Cherty silt loam, 8 to 15 percent slopes, moderately eroded	B
CuB	Cross silt loam, local alluvium, 3 to 8 percent slopes	B
GnB	Gleddy loam, 3 to 8 percent slopes, moderately eroded	B
GnC	Gleddy loam, 8 to 15 percent slopes, moderately eroded	B
GnD	Gleddy loam, 8 to 15 percent slopes, severely eroded	B
GnA	Gleddy silt loam, 0 to 3 percent slopes	C
GnB	Gleddy silt loam, 3 to 8 percent slopes, moderately eroded	C
HnB	Heavy loam, 3 to 8 percent slopes, moderately eroded	B
HnC	Heavy loam, 8 to 15 percent slopes, moderately eroded	B
HnD	Heavy loam, 15 to 25 percent slopes, moderately eroded	B
HnE	Heavy loam, 25 to 45 percent slopes	B

Hydric soils and/or carbonic hydric inclusions  
 May contain hydric inclusions  
 Generally only within 100-foot floodplain areas

**LEGEND**

- EXISTING 2' CONTOURS
- EXISTING 10' CONTOURS
- EXISTING TREE LINE
- SOIL LINES AND TYPES
- DENOTES PROPOSED WELL
- DENOTES FAILED PERC
- DENOTES PASSED PERC
- DENOTES PROPOSED HOUSE
- DENOTES 25% AND GREATER SLOPE
- DENOTES 100' BY 7' ALTERNATE WELL SITE



- GENERAL NOTES:**
- THIS AREA DESIGNATES A PRIVATE SEWERAGE BASINMENT OF 15,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE BASINMENTS SHALL BECOME WELL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICE SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWERAGE BASINMENT. RECORDATION OF A MODIFIED SEWERAGE BASINMENT SHALL NOT BE NECESSARY.
  - ADJUSTMENTS TO SEPTIC BASINMENT AREA IS NOT PERMITTED WITHOUT ADDITIONAL TESTING.
  - THE LOT SHOWN HEREON COMPLES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
  - EXISTING WELLS AND/OR SEWERAGE BASINMENTS WITHIN 100 FEET OF THE PROPERTY HAVE BEEN SHOWN FROM THE BEST AVAILABLE INFORMATION.
  - ALL HOUSE SITES SHOWN COMPLY WITH MINIMUM BUILDING RESTRICTION REGULATIONS.
  - ALL WELLS SHALL BE DRILLED PRIOR TO FINAL PLAT RECORDATION. IT IS THE DEVELOPER'S RESPONSIBILITY TO SCHEDULE THE WELL DRILLING PRIOR TO FINAL PLAT SUBMISSION. IT WILL NOT BE CONSIDERED "GOVERNMENT DELAY" IF THE WELL DRILLING HELD-UP THE HEALTH DEPARTMENT SIGNATURE OF THE RECORD PLAT.
  - TOPOGRAPHY SHOWN IS FROM HOWARD COUNTY GIS TOPOGRAPHY AT 5' CONTOUR INTERVAL INTERPOLATED FOR 2' CONTOUR INTERVAL.
  - BOUNDARY OUTLINE BASED ON FIELD BOUNDARY SURVEY BY FISHER, COLLINS AND CARTER, INC. ON SEPTEMBER, 2003.
  - DEED REFERENCE LIBER 730 FOLIO 509.

PERC CERTIFICATION PLAT  
 I certify that the information hereon are based on field locations done under my direct supervision and to the best of my professional knowledge and belief.  
 Signature of Professional Land Surveyor: Terrell A. Fisher, Professional Land Surveyor No. 10892  
 Date: 8/1/05

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS,  
 HOWARD COUNTY HEALTH DEPARTMENT.  
 Signature of County Health Officer: [Signature]  
 COUNTY HEALTH OFFICER  
 Date: 8/1/05

PERC CERTIFICATION PLAT  
 PROPERTY OF  
**Charles And Denise Sharp**  
 LOT 1 AND BUILDBLE PRESERVATION PARCEL 'A'  
 (MONTICELLO DRIVE)

TAX MAP #9 ZONED: RC-DEO PARCELS: 327  
 THIRD ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
 SCALE: 1" = 100' DATE: JULY 29, 2005