

# APPLICATION

PERCOLATION TESTING

A 514921  
P 514950

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 313-2840

DISTRICT \_\_\_\_\_

DATE 2/6/01

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Arnold Sowell

ADDRESS 13000 Old Frederick Rd Sykesville MD 21784-3074 ZIP  
West Friendship PHONE \_\_\_\_\_

AGENT OR PROSPECTIVE BUYER Dan Ricker - ~~Arnold Sowell~~ Cary Cumberland Viking Dev

ADDRESS 13898 Forsythe Rd Sykesville MD 21784 PHONE 410-489-0319

PROPERTY LOCATION:

SUBDIVISION Wilson Property LOT NO. \_\_\_\_\_

ROAD AND DESCRIPTION 13000 Old Fredericks Rd

40.2 Acre 20 lot subdivision TAX map listed AS Wilson Prop.

TAX MAP 9 PARCEL # 301

SIZE OF LOT 40 acre 20 1 acre lots TYPE BLDG. Single Family  
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT. Dan Ricker  
(SIGNATURE OF APPLICANT)

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

DISAPPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

HOLD PENDING FURTHER TESTS \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING \_\_\_\_\_

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

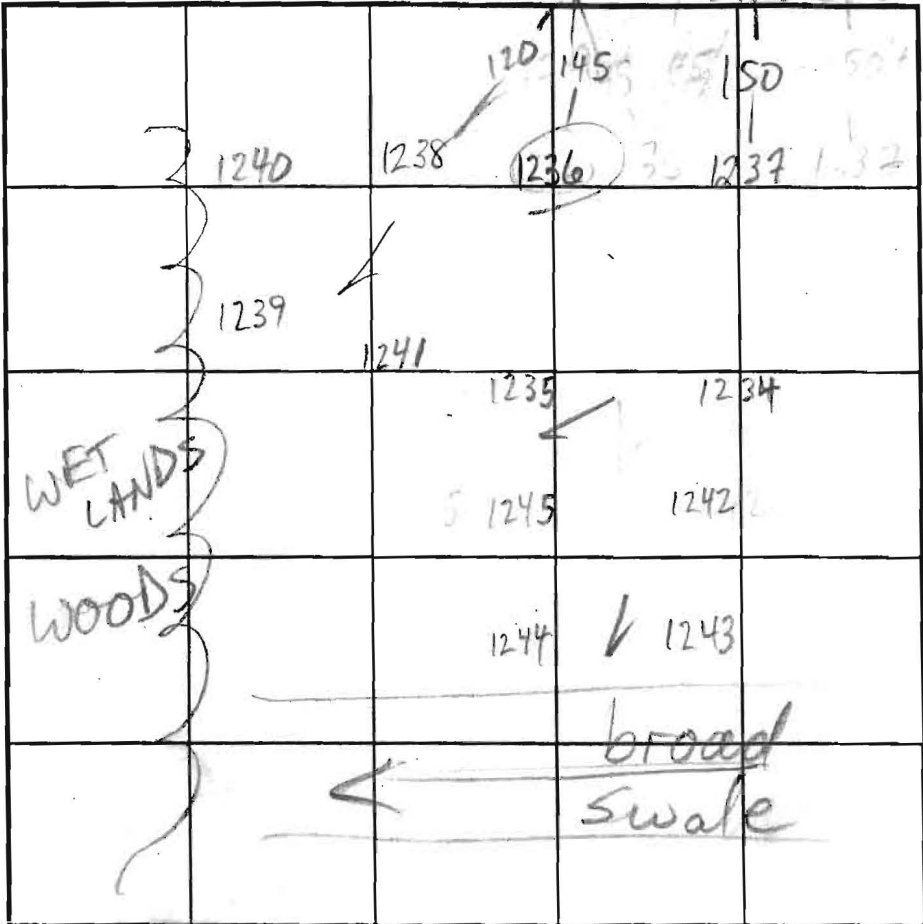
# THIS IS NOT A PERMIT

EX →  
← WELLS ADJ. SUBD.

COUNTY #

SOIL PROFILE

0' 1239  
orange yel  
red brn  
silt m  
3 1/2  
tan  
lt. brn  
silt m  
15-20%  
frags  
13' 9"



SOIL PROFILE

0' 1241  
red brn  
silt m  
4  
brn orange  
red silt m  
10% frags  
black  
leached  
orange silt  
@ bot 14

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

1240  
brn  
orange  
magenta  
silt m  
4  
gray  
brn  
silt m  
20%  
frags  
14

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
5/14/01	1239	4' 3"	2:38	2:44	2:44	2:54	10	
	1239	13' 9"	OK see profile					
	1240	(5)	2:41	2:42	2:42	2:44	(2)	
	1240	14	OK see profile					
5/15/01	1241	4 1/2	11:46	11:56	11:56	12:06	10	
	1241	8 1/2	2:20	2:22	2:22	2:27	7	
	1241	14	OK see profile					
	1236	(4 1/2)	11:59	12:02	12:02	12:05	(3)	
	1236	14 1/2	OK see profile					
	1237	5 / 15	12:09	12:13	12:13	12:17	4	
	1234	5 / 14	12:22	12:29	12:29	12:49	2 DEST	

1235 36  
orange brn 37  
silt m 34  
4 1/2  
tan yel  
beige  
silt m  
10% frags  
14 1/2

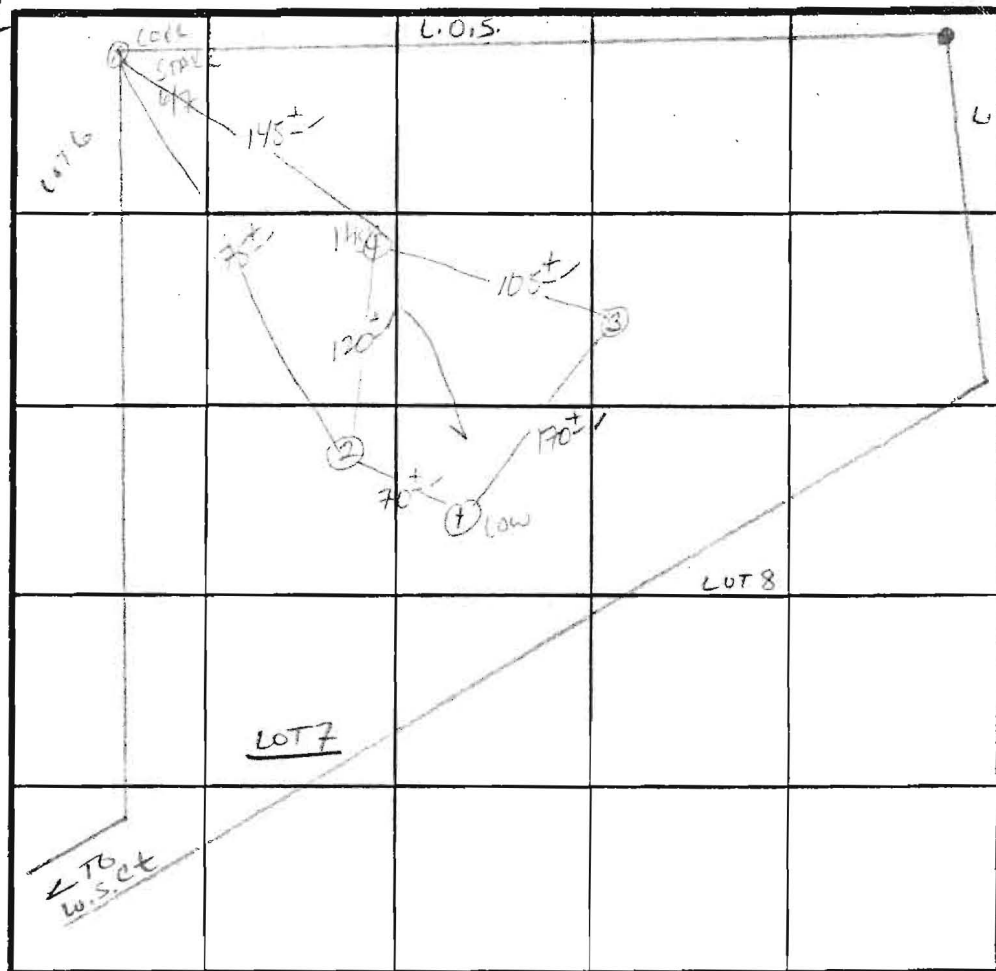
REMARKS likely faster below - OK

TYPE OF SOIL \_\_\_\_\_  
TESTED BY M. Rifkin DUE TO DROUGHT CONDITIONS, APPROVABLE HOLES MUST HAVE 8 FEET FROM OBSERVED GROUNDWATER TO BOTTOM OF PROPOSED SEPTIC SYSTEM  
TRENCH DESIGN DATA: AVERAGE INLET DEPTH \_\_\_\_\_ MA \_\_\_\_\_  
M. Johnson  
D. Ricker, C. Cumberland  
INCH WIDTH \_\_\_\_\_  
ROOM \_\_\_\_\_

# Lot 7 Willow Highlands

①-④  
SOIL PROFILE

0'	AP.
12"	1/2" - 1/4" clay 5-10% clay 15-20% clay
41"	4" - 1/2" clay 1/2" - 1/4" clay - 1/2" sand 20-30% clay FRAG.



7' Pipe 10' M.N.  
180°/16R  
Inlet 4.5  
Bottom 9.0

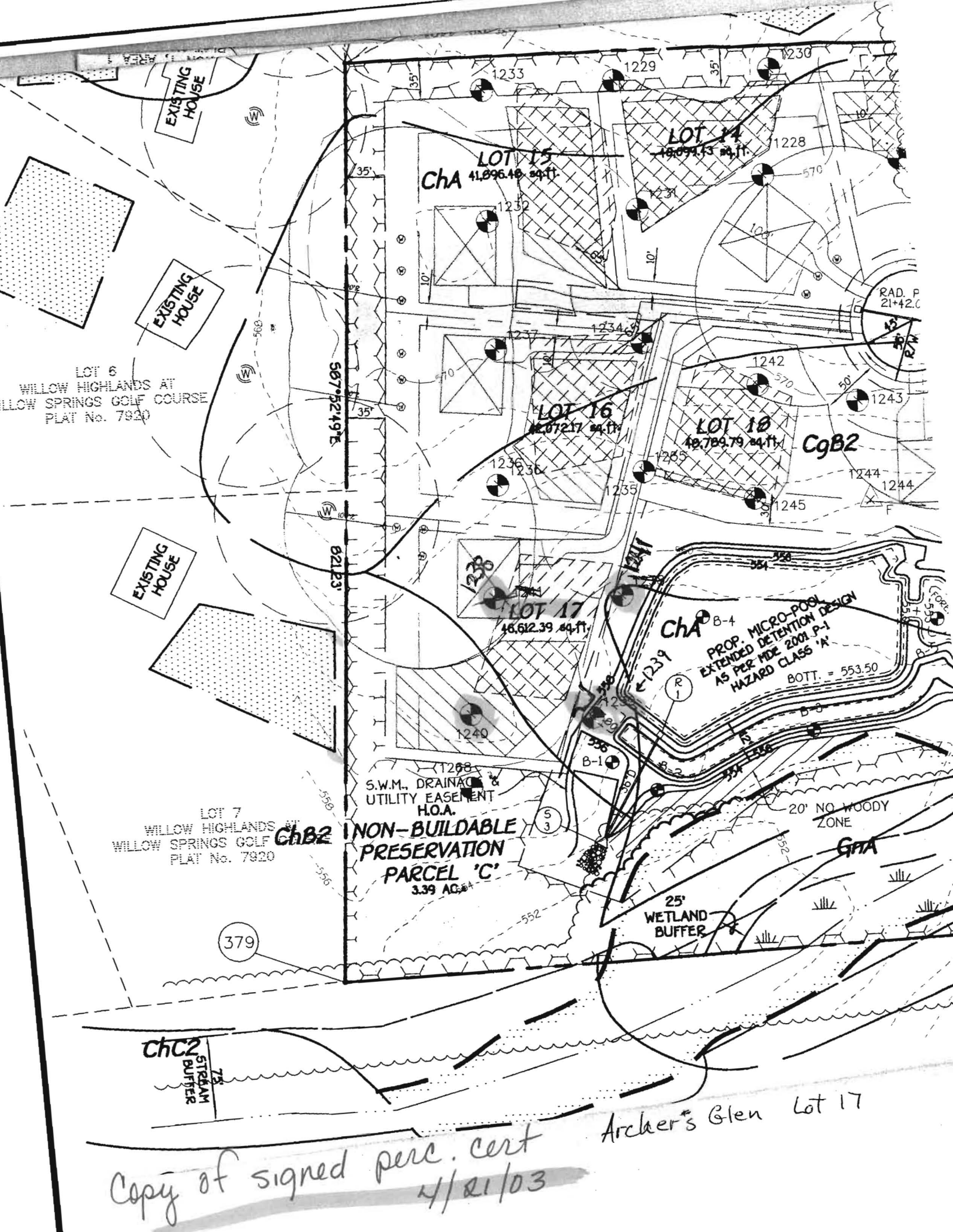
INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4/14/82	1S	4" 15"	10:16	10:25	10:25	10:42	17 min
	2V	12.5"					
	3S	4" 12.5"	10:17	10:23	10:23	10:38	15 min
	4S	4" 8"	10:22	10:25	10:25	10:35	5 min (3 min)
	4V	13"					

REMARKS Holes DIFF FROM PLAN

TYPE OF SOIL CHETOP

TESTED BY S. Alw ALSO PRESENT D. K. [unclear]



EXISTING HOUSE

EXISTING HOUSE

EXISTING HOUSE

LOT 6  
WILLOW HIGHLANDS AT  
WILLOW SPRINGS GOLF COURSE  
PLAT No. 7820

LOT 7  
WILLOW HIGHLANDS AT  
WILLOW SPRINGS GOLF COURSE  
PLAT No. 7820

ChA LOT 15  
41,896.48 sq. ft.

LOT 14  
18,094.43 sq. ft.

LOT 16  
12,072.17 sq. ft.

LOT 18  
19,789.79 sq. ft.

LOT 17  
16,612.39 sq. ft.

S.W.M., DRAINAGE &  
UTILITY EASEMENT  
H.O.A.

ChB2 NON-BUILDABLE  
PRESERVATION  
PARCEL 'C'  
3.39 AC.±

ChA<sup>B-4</sup>  
PROP. MICRO-POU  
EXTENDED DETENTION DESIGN  
AS PER MDE 2001 P-1  
HAZARD CLASS 'A'  
BOTT. = 553.50

25' WETLAND  
BUFFER

20' NO WOODY  
ZONE

ChC2  
STREAM  
BUFFER  
7.5'

Copy of signed perc. cert  
4/21/03

Archer's Glen Lot 17



(378)

P-02-05 SIGNED 9/4/02

EAM HOUSE

HEATHERWOOD SECTION 1, AREA 1 Plat No. 4401

10'W.x34'L PROP. RAIN GARDEN

10'W.x62'L PROP. RAIN GARDEN

10'W.x46'L PROP. RAIN GARDEN

10'W.x20'L PROP. RAIN GARDEN

10'W.x22'L PROP. RAIN GARDEN

LOT 15 50,677 sq.ft.

LOT 14 49,399 sq.ft.

LOT 13 44,393 sq.ft.

LOT 12 43,151 sq.ft.

LOT 11 46,726 sq.ft.

LOT 16 48,734 sq.ft.

LOT 18 47,647 sq.ft.

LOT 19 49,026 sq.ft.

LOT 17 51,189 sq.ft.

LOT 20 46,052 sq.ft.

PROP. MICRO-POOL EXTENDED DETENTION DESIGN AS PER MDE 2001 P-1 HAZARD CLASS 'A' BOTT. = 553.50

DRAINAGE, UTILITY & ACCESS EASEMENT F.C.E. No. 4 0.72 AC. (TO BE PLANTED)

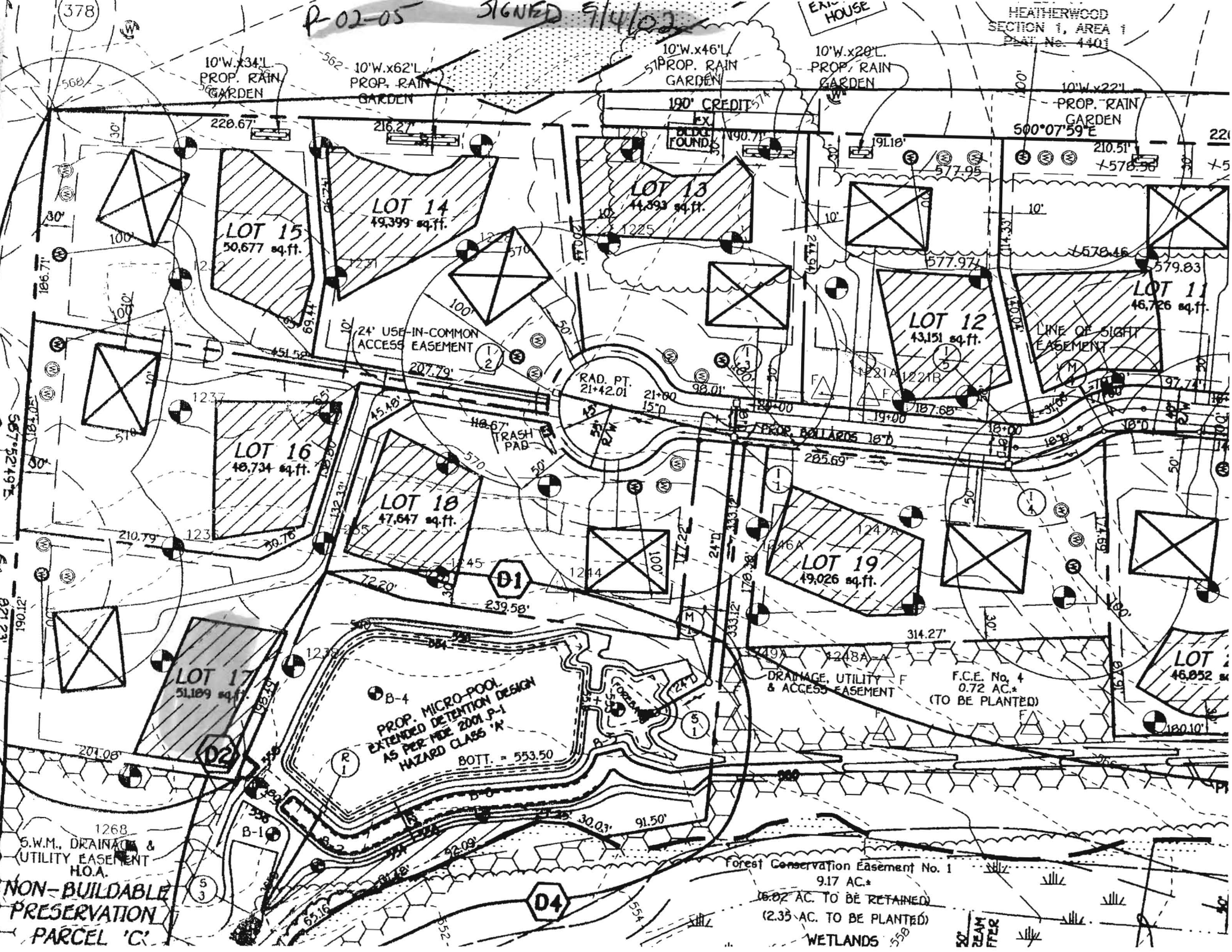
1268 S.W.M., DRAINAGE & UTILITY EASEMENT H.O.A.

NON-BUILDABLE PRESERVATION PARCEL 'C'

Forest Conservation Easement No. 1 9.17 AC. 16.02 AC. TO BE RETAINED (2.33 AC. TO BE PLANTED)

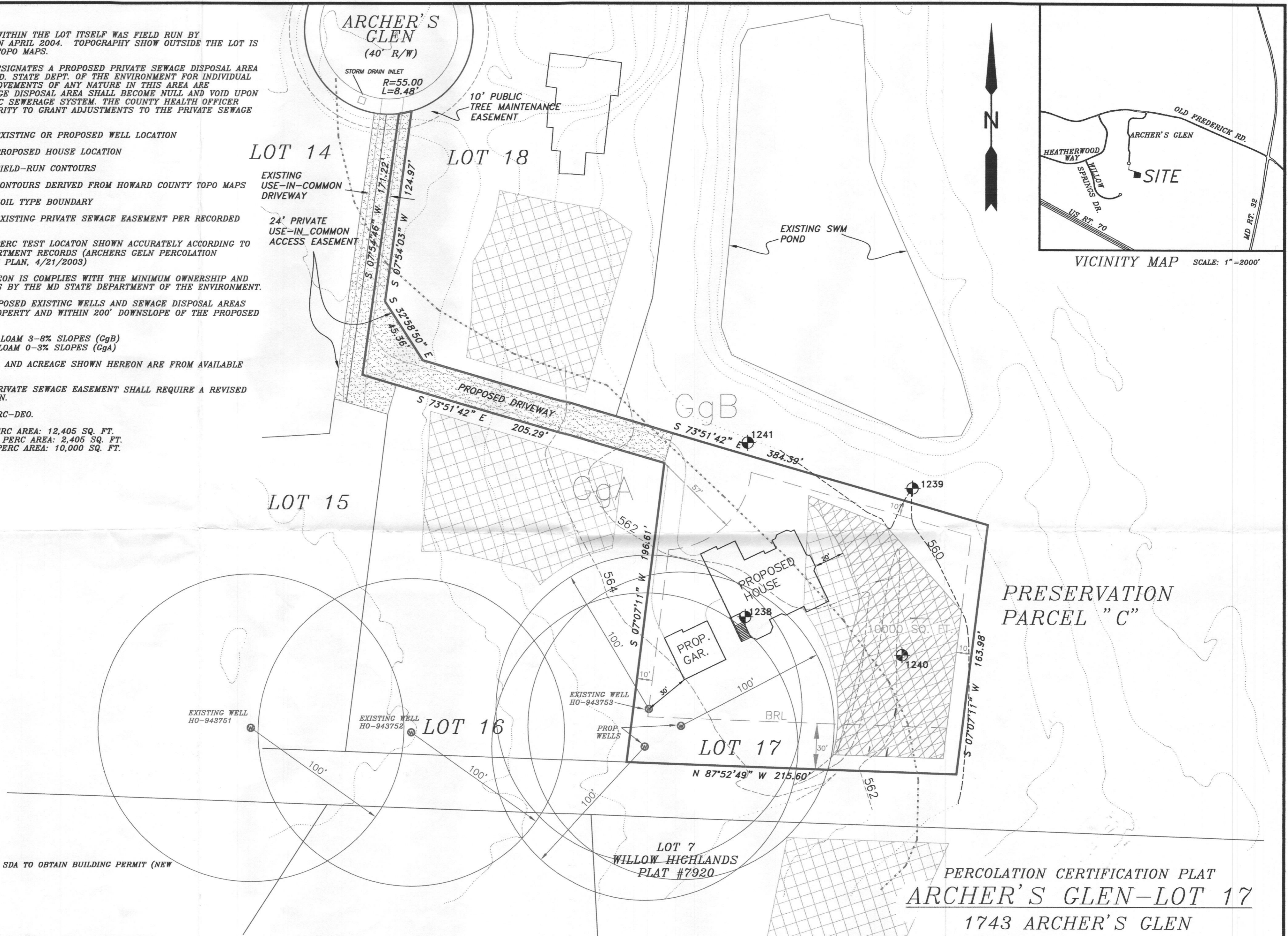
WETLANDS

50' ZEAM FILTER



**NOTES:**

1. TOPOGRAPHY SHOWN WITHIN THE LOT ITSELF WAS FIELD RUN BY SHANABERGER & LANE IN APRIL 2004. TOPOGRAPHY SHOWN OUTSIDE THE LOT IS FROM HOWARD COUNTY TOPO MAPS.
2. THIS AREA DESIGNATES A PROPOSED PRIVATE SEWAGE DISPOSAL AREA AS REQUIRED BY THE MD. STATE DEPT. OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED. THIS SEWAGE DISPOSAL AREA SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE DISPOSAL AREA.
3. DESIGNATES EXISTING OR PROPOSED WELL LOCATION  
 DESIGNATES PROPOSED HOUSE LOCATION  
 DESIGNATES FIELD-RUN CONTOURS  
 DESIGNATES CONTOURS DERIVED FROM HOWARD COUNTY TOPO MAPS  
 DESIGNATES SOIL TYPE BOUNDARY  
 DESIGNATES EXISTING PRIVATE SEWAGE EASEMENT PER RECORDED PLATS.  
 DESIGNATES PERC TEST LOCATON SHOWN ACCURATELY ACCORDING TO HEALTH DEPARTMENT RECORDS (ARCHERS GLEN PERCOLATION CERTIFICATION PLAN, 4/21/2003)
4. THE LOT SHOWN HEREON IS COMPLIES WITH THE MINIMUM OWNERSHIP AND LOT AREA REQUIREMENTS BY THE MD STATE DEPARTMENT OF THE ENVIRONMENT.
5. ALL VISIBLE AND PROPOSED EXISTING WELLS AND SEWAGE DISPOSAL AREAS WITHIN 100' OF THE PROPERTY AND WITHIN 200' DOWNSLOPE OF THE PROPOSED SDA HAVE BEEN SHOWN.
6. SOIL TYPES: GLENELG LOAM 3-8% SLOPES (GgB)  
 GLENELG LOAM 0-3% SLOPES (GgA)
7. BEARINGS, DISTANCES, AND ACREAGE SHOWN HEREON ARE FROM AVAILABLE PLAT OF RECORD.
8. ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN.
9. PROPERTY IS ZONED RC-DEO.
10. AREA IN ORIGINAL PERC AREA: 12,405 SQ. FT.  
 AREA REMOVED FROM PERC AREA: 2,405 SQ. FT.  
 AREA REMAINING IN PERC AREA: 10,000 SQ. FT.



PRESERVATION PARCEL "C"

**PURPOSE:** ADJUST SDA TO OBTAIN BUILDING PERMIT (NEW HOUSE)

**OWNER:**  
 CARDAN LLC  
 815 WINDRIVER DR.  
 SYKESVILLE, MD. 21784

**SHANABERGER & LANE**  
 8726 TOWN & COUNTRY BLVD.  
 SUITE 201  
 ELLICOTT CITY, MD. 21043  
 PHONE: 410-461-9563  
 FAX: 410-461-9693  
 EMAIL: HOME@SHANLANE.COM

**PERC CERTIFICATION**  
 I HEREBY CERTIFY THAT THE INFORMATION SHOWN HEREON REFLECTS FIELD WORK DONE BY ME OR UNDER MY DIRECT SUPERVISION AND IS CORRECT TO THE BEST OF MY PROFESSIONAL KNOWLEDGE AND BELIEF.  
  
 G. SCOTT SHANABERGER  
 PROFESSIONAL LAND SURVEYOR #10849  
 DATE 12/23/09

**APPROVED:** FOR PRIVATE WATER AND SEWERAGE SYSTEMS  
  
 B. Nelson  
 COUNTY HEALTH OFFICER  
 DATE 12/23/09

PERCOLATION CERTIFICATION PLAT  
**ARCHER'S GLEN-LOT 17**  
 1743 ARCHER'S GLEN  
 SYKESVILLE, MD. 21784  
 PLAT #16456  
 DEED REF: 8031/429  
 TAX MAP 9 GRID 22 PARCEL 301 LOT 17  
 3RD ELECTION DIST. HOWARD COUNTY, MD.  
 SCALE: 1"=40' DECEMBER 2, 2009