



Bureau of Environmental Health
 7178 Gateway Drive Columbia, MD 21046
 (410) 313-2640 Fax (410) 313-2648
 TDD (410) 313-2323 Toll Free 1-866-313-6300
 website: www.hchealth.org

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

APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

545103

PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME HARLESS Manor Phase # 1 LOT # 9

PROPERTY ADDRESS 14049 Monticello Drive Cocksville 21723
STREET TOWN ZIP

TAX ACCOUNT # 04-357426 TAX MAP 0009 GRID 0019 PARCEL 0346 ZONING DESIGNATION _____

PROPERTY OWNER(S) Matthew + Catherine Berdini

DAYTIME PHONE 410.489.0406 CELL 240.688.4141 EMAIL berdini@verizon.net

MAILING ADDRESS 14049 ~~Monticello~~ Monticello Drive Cocksville, MD 21723
STREET CITY, STATE ZIP

APPLICANT ZACHARY S. CASTO RELATIONSHIP TO OWNER: Contractor

DAYTIME PHONE 410.968.3630 CELL 443.813.1288 EMAIL zach@jpoals.com

MAILING ADDRESS P.O. Box 607 Columbia MD 21045
STREET CITY, STATE ZIP

I HEREBY APPLY FOR THE NECESSARY TESTING/EVALUATION PRIOR TO ISSUANCE OF SEWAGE DISPOSAL SYSTEM PERMIT(S):

BUILDING:

- RESIDENTIAL WITH 4 EXISTING OR PROPOSED BEDROOMS IN THE COMPLETED STRUCTURE
- COMMERCIAL (PROVIDE DETAIL OF TYPE OF USE AND NUMBERS OF EMPLOYEES/CUSTOMERS ON ACCOMPANYING PLAN)

PROPERTY:

- SUBDIVISION: NUMBER OF LOTS INCLUDING RESIDUE: _____
- CONSTRUCT NEW OSDS ON UNDEVELOPED LOT
- REPAIR OR REPLACE FAILING OSDS
- UPGRADE EXISTING OSDS

IS THE PROPERTY WITHIN 2500 FEET OF ANY RESERVOIR?

- YES
- NO

AS APPLICANT, I UNDERSTAND THE FOLLOWING:

- THIS APPLICATION IS VALID FOR TWO(2) YEARS FROM DATE OF FEE PAYMENT AND APPROVAL IS BASED UPON HEALTH OFFICER SIGNATURE OF A PERC CERTIFICATION PLAN PRIOR TO EXPIRATION OF THIS PERMIT.
- THE APPLICATION FEE IS NON-REFUNDABLE
- THIS APPLICATION MUST BE ACCOMPANIED BY ALL APPLICABLE FEES AND A SUITABLE SITE PLAN IN ORDER TO BE PROCESSED
- THIS IS A PUBLIC DOCUMENT

I declare and affirm that to the best of my knowledge, the information contained herein is correct. I declare that I am the owner of the property or duly authorized to make this application on behalf of the owner. I agree to comply with all applicable state and county regulations.

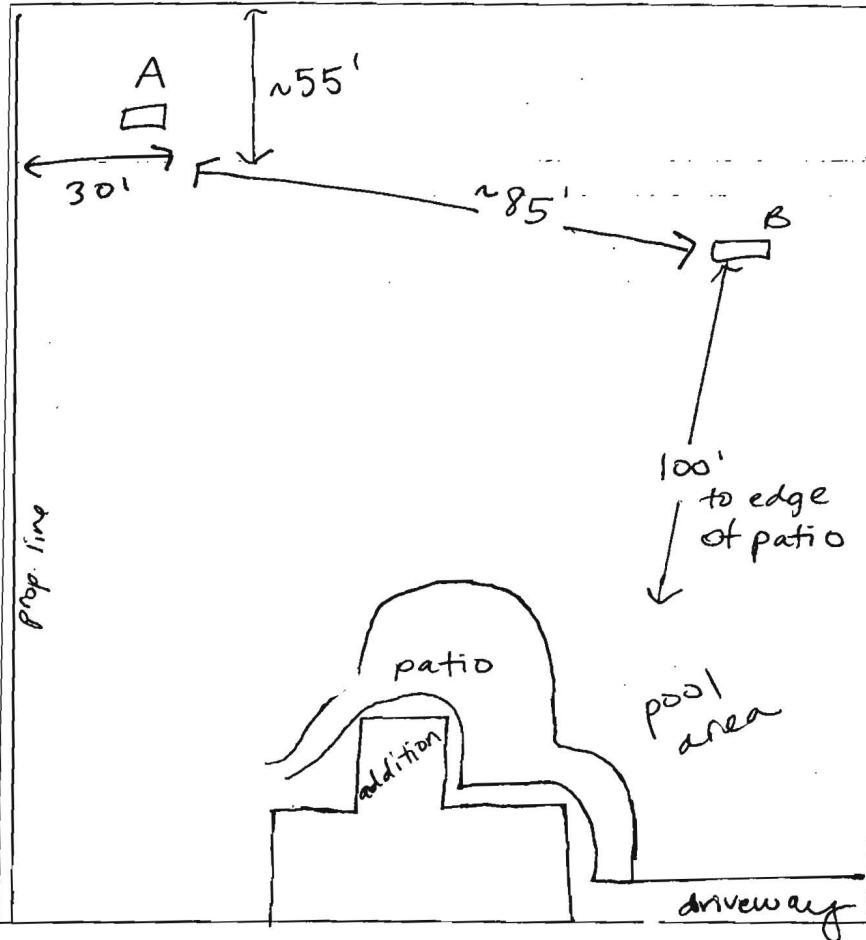
By signature of this application, I hereby grant Howard County Health Department officials the right to enter onto the property for the purpose of inspecting the property as directly related to the requested permit/service.

[Signature] 07/26/13
SIGNATURE OF APPLICANT DATE

NOT TO SCALE

AP 545103

A



- 8" brn l
- 3'4" brn sct 1fsbk
- 7.5' brn sl saporite 1fsbk
- 9' yellow brn fs l saporite
- 12.5' red brn fs l ↓
- tan ls saporite

B

- 1' brn l
- 4.5' org brn sct 1csbk 15% rx
- 6' yellow brn sl/mn deposits
- 7' red brn sl 25% rx
- 10' tan ls saporite
- 12.8" yellow/org ls

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
8/6/13	A	5'/12.5'	10:03	10:13	10:25	12	P
8/6/13	B	6'/12.8"	10:24	10:27	10:30	3	P

REMARKS _____
 SANITARIAN HS BACKHOE Hatfields OTHERS _____
 TEST HOLES USED IN SDA 2 AVG. PERC TIME 7.5' SQ. FT/BR _____
 TRENCH WIDTH 2' INLET DEPTH _____ MAX. BOT DEPTH 8' EFFECTIVE S/W 2'

#10 / 49888P
COUNTY #

#1022 Minor

SOIL PROFILE

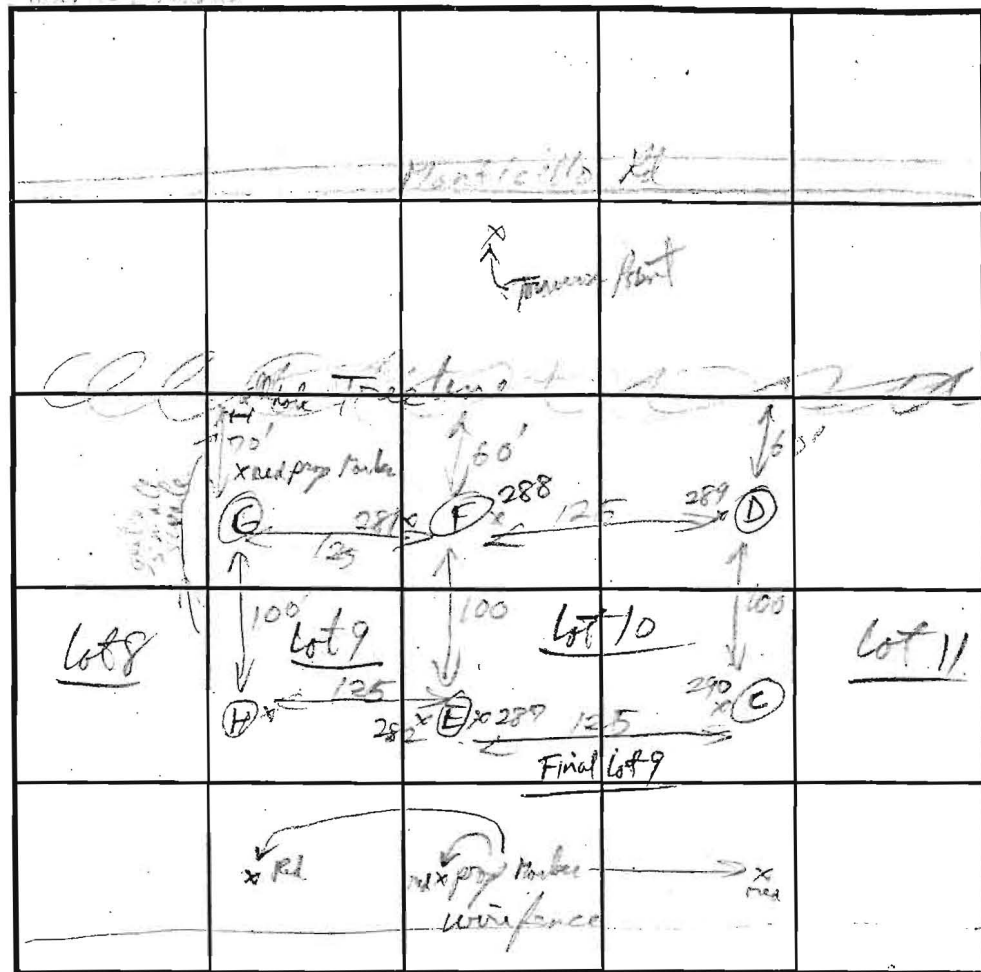
0' 28' 30" F
Typical yellow ASIL
2 1/2' 11" Pinkish and yellow ASIL
60" SL - mica lean

3' Red for brown CL
Transition layer 5' Non granular HL
4 1/2' Red for brown SL
12'

SOIL PROFILE

0'

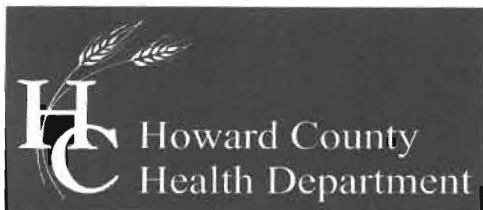
25' WETLAND BUFFER



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE. Photo 26

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
2/2/04	287/287 E	4 1/2'	11:37:00	11:46:20	11:46:20	11:52:00	11 min
		7'	11:37:30	11:39:20	11:39:20	11:42:00	3 min
	288/291 F	4'	11:47:16	11:52:16	11:52:16	12:04:00	12 min
		10'					
	289 C	3 1/2'					6 min
		1105' 7'					9 min
	296 D	4'					4 min
		10'	Hard bottom				

REMARKS _____
 TYPE OF SOIL _____
 TESTED BY R. P. Miller ALSO PRESENT _____
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 7 1/2 TRENCH WIDTH 2
 INLET DEPTH 3 MAXIMUM BOTTOM DEPTH 6 SQ. FT./BEDROOM 210



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Maura J. Rossman M.D., Health Officer

August 7, 2013

To: Zach Casto
Applicant

RE: Perc Test Report, [14049 Monticello Dr. Cooksville, MD 21723]; A#545103

Percolation testing was conducted on the referenced property on August 6, 2013. The purpose for conducting these percolation tests was to revise the existing septic reserve area to accommodate an in-ground swimming pool.

All percolation tests conducted were standard tests, measuring rate of fall for a pre-wet period followed by measurement and recordation of the time required for the water level to drop 1 inch. Soil conditions either satisfactory or unsatisfactory for onsite wastewater disposal were observed at the specified test locations. Areas that may be included in a septic reserve are represented by test locations having satisfactory soil conditions. The area of the septic reserve must be at least 10,000 square feet, though Howard County Code [3.805.A.2.X] requires that the area be large enough to accommodate an initial drainfield and two repair drainfields for the planned residence.

Soil conditions observed were satisfactory for onsite wastewater treatment and disposal. A total of two percolation tests were conducted. Both tests passed.

Field data collected are shown on Percolation Test Worksheets enclosed with this letter. Recommended Inlet and Trench Bottom depths, and Usable Sidewall all are based on observed soil properties and characteristics at respective test locations as well as the particular soils materials tested. The values for the drainfield parameters will be documented during the Percolation Certification Plan process, and then maintained in the Health Department file for the subject property.

Additional field review of well or septic system conditions may be required at any time during this process. If you have any questions regarding this evaluation or requirements for the Revised Percolation Certification Plan or Site Plan, please contact me at the above address or by calling (410) 313-6287.

Respectfully,

Heidi Scott, R.S.
Environmental Sanitarian
Well and Septic Program

Copy:
File

Johnson Pools

Zachary S. Casto

P.O. Box 667 • Columbia, MD 21045
Office (410) 956-3630 • Cell (443) 813-1288
www.JPools.com • Zach@JPools.com

"I certify that the information shown hereon is based on field work performed by me or under my direct supervision, and is correct, to the best of my knowledge and belief."

Zachary S. Casto 8/19/13
Zachary S. Casto, MHC Sales #106007 Date:

"Approved for Private Water and Private Sewerage Systems"

Wife for Maura Roseman 9/4/2013
HS 9w Date: *[Signature]*

Health Officer, Howard County Health Dept.

SCALE: 1" = 40'-0"

Notes:

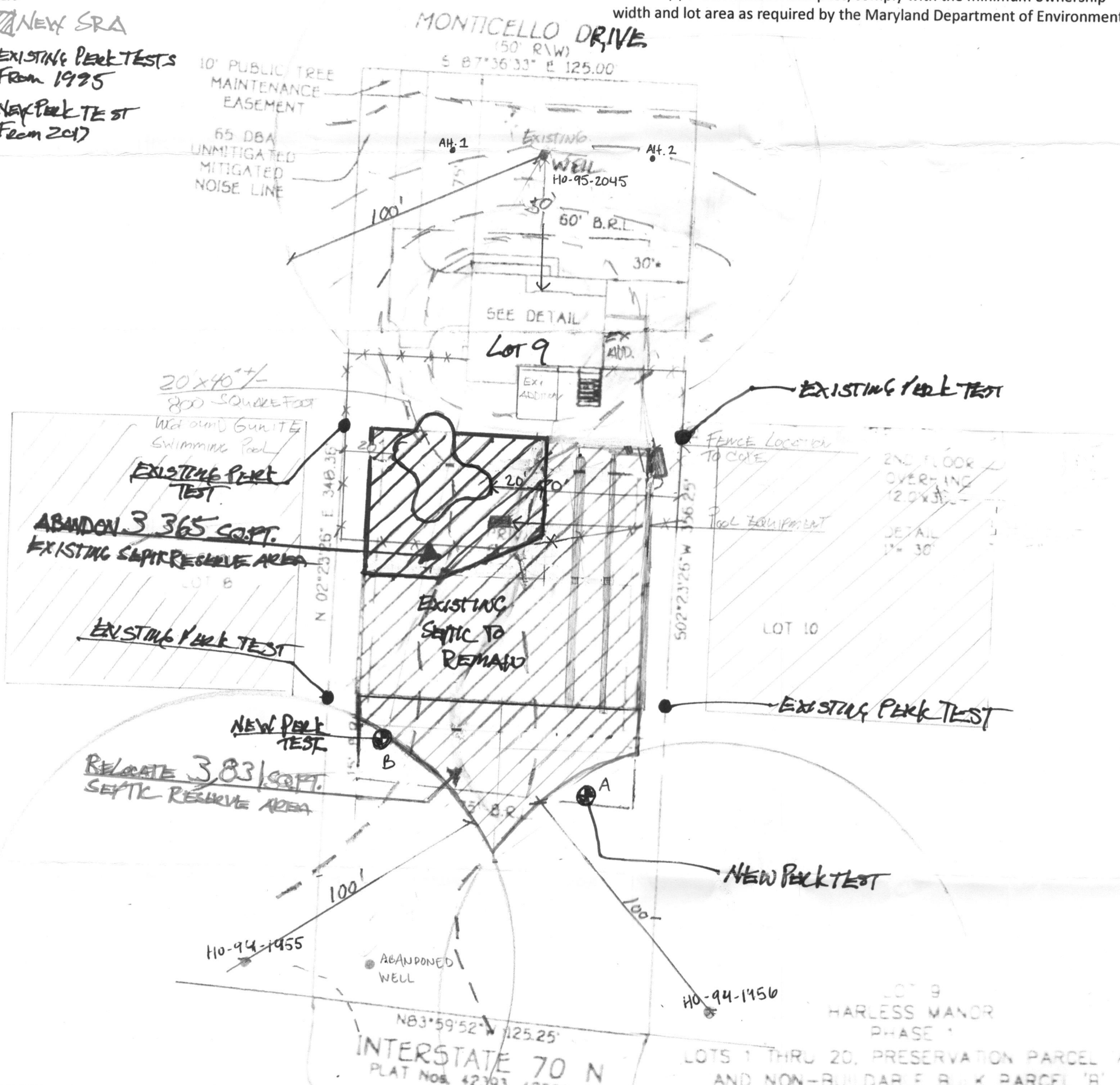
- *Any changes to a private sewage easement shall require a revised percolation certification plan.
- *The Topography of this plat is taken from Howard County GIS and is verified to accurately represent the relative changes on the subjective property
- *All wells and septic systems located within 100' of the property boundaries and 200' down gradient of any wells and/or septic systems have been shown.

Certification of compliance with MDE ownership width and lot area requirements for lots created after 1985:

*The lot(s) shown hereon complies/comply with the minimum ownership width and lot area as required by the Maryland Department of Environment

LEGEND

- ABANDONED SRA
- NEW SRA
- EXISTING PERK TESTS FROM 1995
- NEW PERK TEST FROM 2017



"This area designates a private sewage disposal area of at least 10,000 sq.ft. as required by the Maryland Department of 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 authority to grant adjustments to the private sewage easement Recordation or a revised sewage easement shall not be necessary.

LOT 9
HARLESS MANOR
PHASE 1
LOTS 1 THRU 20, PRESERVATION PARCEL A
AND NON-BUILDABLE BULK PARCEL 'B'
4th ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
PLAT REF. 12025