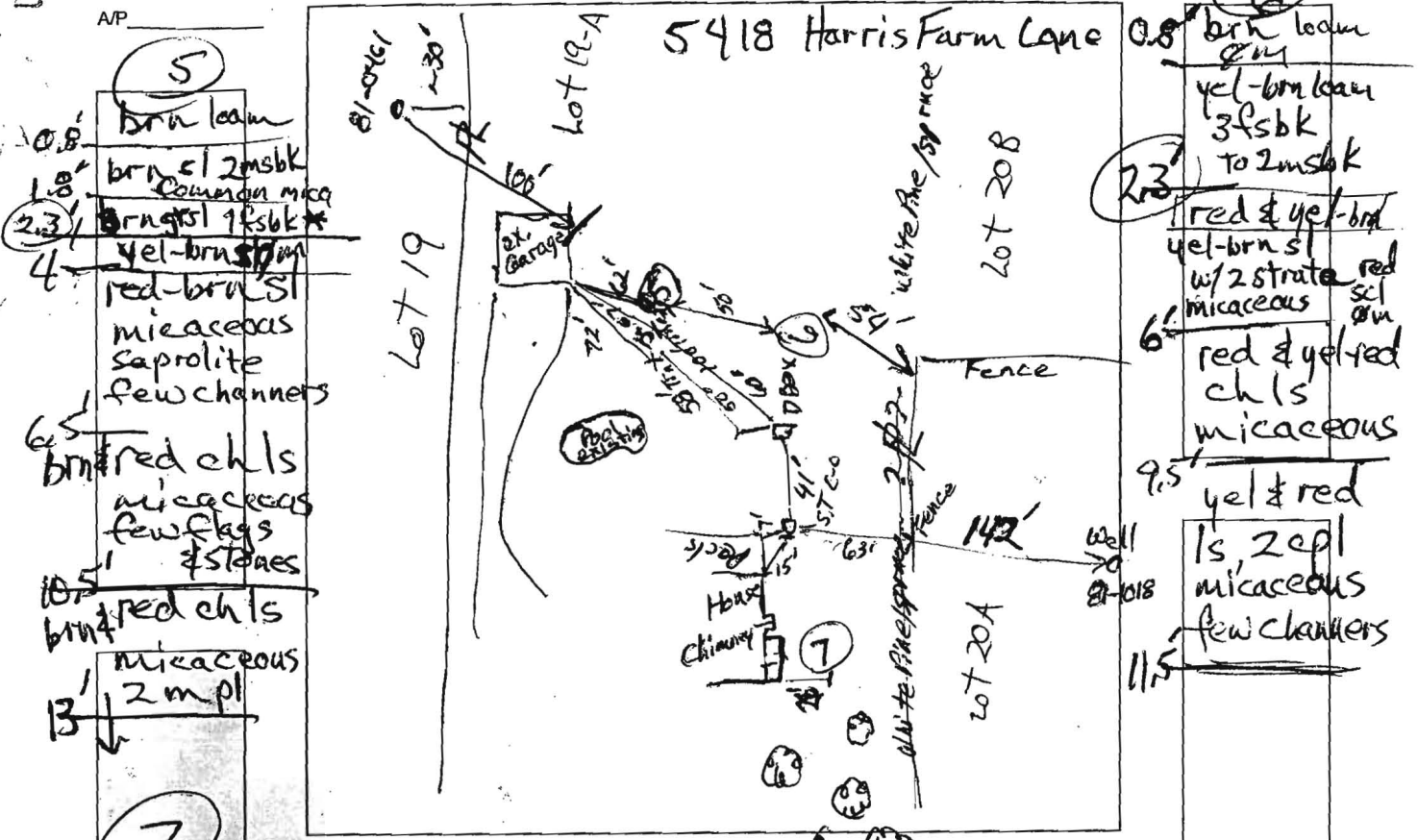


AP

5418 Harris Farm Lane



5  
10.8' brn loam  
1.8' brn sl 2msbk  
Common mica  
2.3' brn sl 1fsbk  
4' yel-brn sl  
red-brn sl  
micaceous  
saprolite  
few channers  
6.5' brn red chls  
micaceous  
few frags  
& stones  
10.5' brn red chls  
micaceous  
2 m pl  
13' ↓

6  
0.8' brn loam  
yel-brn loam  
3fsbk  
to 2msbk  
2.3' red & yel-brn  
yel-brn sl  
w/ 2 strata  
micaceous  
6' red & yel-red  
chls  
micaceous  
9.5' yel & red  
ls, 2cpl  
micaceous  
few channers  
11.5' ↓

7

dk brn fs  
0.2' brn sl 2 m pl  
common mica  
0.6' brn fs  
brn scl  
brn fs 2msbk  
5.0' wavy boundary  
red & yel brn  
sl, few channers  
micaceous  
8' red chls  
3 m pl  
micaceous  
few channers  
11.5' red & yellow  
fs, 3 m pl  
few channers  
12' micaceous  
↓

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
8/7/2009	5	13'	Visual	good	2.6'	10 13'	P
8/7/2009	6	4' / 11.5'	0	1.3	3.5	2.2	P
8/7/2009	7	5.4' / 12'	0	5.4	14.24	9	P

REMARKS #5 is profile for existing system; #7 load rate 1.2 below 5.5'

SANITARIAN RB BACKHOE Curtis Cumberland OTHERS Tracey Daffey

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

TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE SW \_\_\_\_\_



Bureau of Environmental Health  
7178 Columbia Gateway Drive, Columbia, MD 21046-2147  
(410) 313-2640 Fax (410) 313-2648  
TDD (410) 313-2323 Toll Free 1-866-313-6300  
website: www.hchealth.org

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Peter L. Beilenson, M.D., M.P.H., Health Officer

August 18, 2009

To: Mr. Tracey Duffy, owner

From: Robert Bricker, CPSS, RS  
Environmental Sanitarian  
Well and Septic Program

RE: 5418 Harris Farm Lane, Percolation Test Results, A531858

Dear Mr. Duffy,

Percolation testing was conducted on the referenced property on August 7, 2009. The purpose of conducting these tests was to re-establish and re-define area for a 10,000 sq. ft. septic reserve. This action is required for Health Department consideration of Building Permit Application (B09001273, an addition expanding the existing garage).

The subdivision (Weintraub, or Talbots Last Shift) originally was designed so that only a 100-foot setback was required between any well and any septic system. Thereby the septic reserve originally defined on Lot 19A (the subject property) was only 100-feet distant and directly up-gradient of the neighbors well (HO-81-0461, Lot 19). Current Howard County Code requires that 200 feet of separation between septic system distribution trenches or reserve area and any existing or proposed well located downgrade. Testing was conducted in order to re-define the septic reserve so that the existing 100-foot and 58-foot distribution trenches will remain and will be the component of the re-defined septic area nearest to the neighboring well.

Each trench was exposed and the gravel observed to below the respective pipe inverts (4 feet). Both excavations revealed clean gravel, and both were without odor. Test location #5 was dug nearby for a profile description proving a 4-foot soil buffer below the 9-foot deep trenches. Test location #5 has micaceous, sandy loam and loamy sand subsoils extending deeper than 13 feet.

To add area locations # 6 and #7 were dug, tested for percolation rate and the soil profiles described. Both soil profiles and percolation rates were satisfactory. Therefore a septic reserve may be defined upgrade of the existing drainfield and extending toward the front of the property to a line approximately 120 feet from the existing well (HO-81-0675) on the subject property.


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. The soils tested are within soil map units GgB (Glenelg loam, 3% to 8% slopes). Percolation Test Results indicate areas of soils' conditions that are satisfactory for onsite wastewater disposal.

Field data collected are shown on the Percolation Test Results Worksheets enclosed with this letter. Recommended Inlet and Trench Bottom depths, and Usable Sidewall are all based on observed soil properties and characteristics at respective test locations as well as the particular soils materials tested.

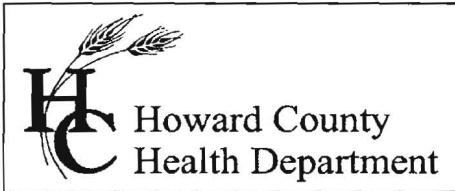
The existing septic tank is located 15 feet from the foundation wall. Additional septic tank capacity will not be required. As there is not an increase of wastewater volume, no additional trench length will be required.

If you have any questions regarding this evaluation or requirements for the Percolation Certification Plan, please contact me at the above address or by calling (410) 313-2691.

Respectfully,

  
Robert Bricker, CPSS, RS  
Well and Septic Program  
Development Coordination Section

Copy: File



Bureau of Environmental Health  
7178 Columbia Gateway Drive, Columbia, MD 21046-2147  
(410) 313-2640 Fax (410) 313-2648  
TDD (410) 313-2323 Toll Free 1-866-313-6300  
website: [www.hchealth.org](http://www.hchealth.org)

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Peter L. Beilenson, M.D., M.P.H., Health Officer

August 20, 2009

Tracey Duffy  
5418 Harris Farm Lane  
Clarksville, Maryland 21029

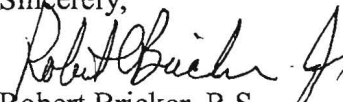
RE: Variance request  
5418 Harris Farm Lane  
Weintraub Subd., Lot 19A  
Clarksville, MD 21029


Dear Mr. Duffy,

The Health Department submitted a variance request on your behalf for the potential improvement of your property at 5418 Harris Farm Lane (the subject property). The Maryland Department of the Environment (MDE) has accepted our recommendation to approve the variance request. This approval will allow for defining septic reserve area (re: septic easement) that is greater than 200 feet, but upgradient of, your neighbor's (5424 Harris Farm Lane, Lot 19) well (HO-81-0461). The existing distribution trenches may remain, and area upgrade of the septic trenches and more than 200 feet from the specified well may be designated as suitable for septic reserve. Consideration of the soil conditions and percolation test results, and hydrogeologic conditions such as assumed groundwater flow patterns, landscape position, and type of well construction, were some of the factors used in making our recommendation for approval.

If you have any questions regarding this letter, you may contact me at the above address or by calling (410) 313-1771.

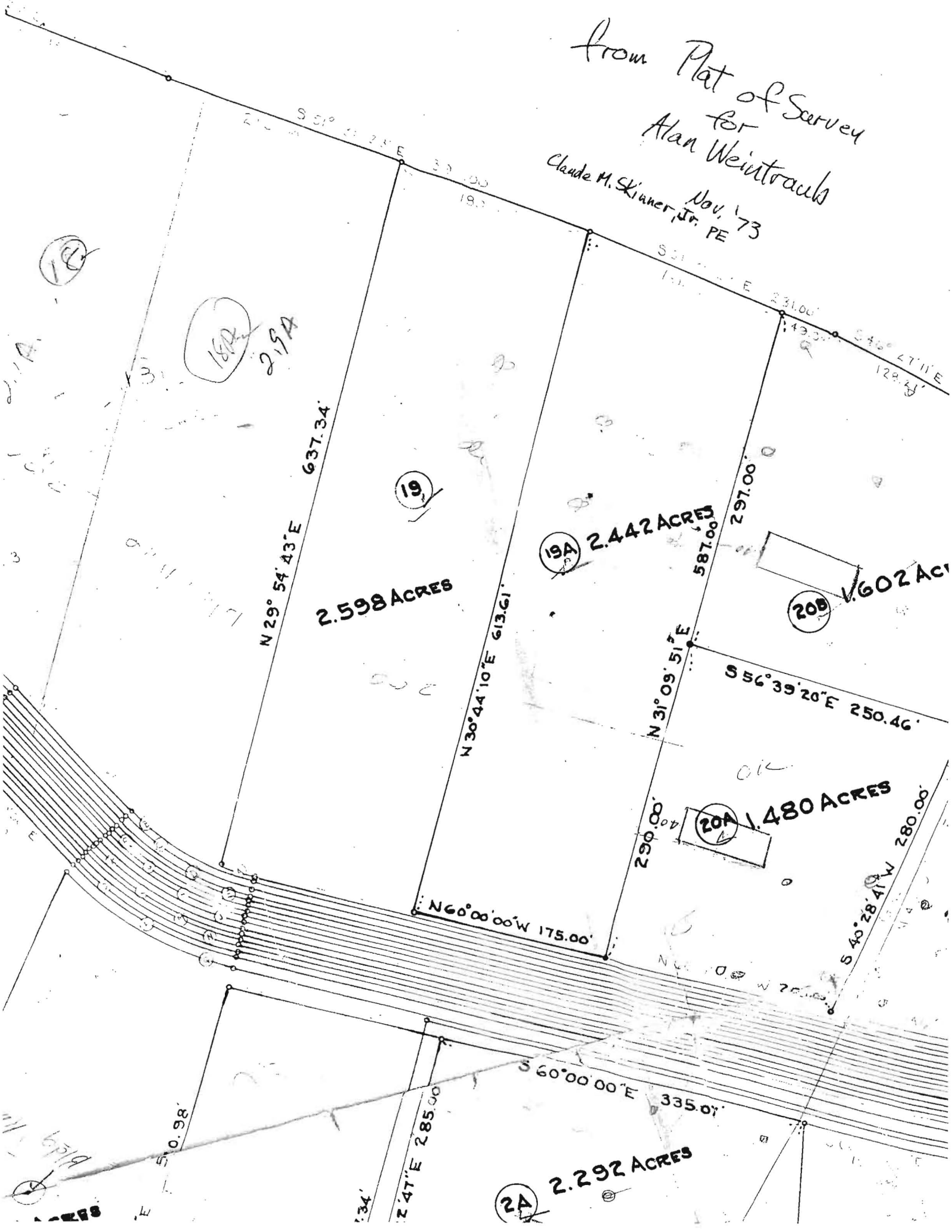
Sincerely,

  
Robert Bricker, R.S.  
Well and Septic Program

  
Maryland Department of the Environment

from Plat of Survey  
for  
Alan Weintroub

Claude M. Skinner, Jr. PE  
Nov, '73





# APPLICATION

## FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) \_\_\_\_\_ TEST TIME \_\_\_\_\_ A/P \_\_\_\_\_

AGENCY REVIEW: \_\_\_\_\_ DATE \_\_\_\_\_

DO NOT WRITE ABOVE THIS LINE

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

CHECK AS NEEDED:

- CONSTRUCT NEW SEPTIC SYSTEM(S)
- REPAIR/ADD TO AN EXISTING SEPTIC SYSTEM
- REPLACE AN EXISTING SEPTIC SYSTEM

CHECK AS NEEDED:

- NEW STRUCTURE(S)
- ADDITION TO AN EXISTING STRUCTURE
- REPLACE AN EXISTING STRUCTURE

CHECK ONE:

- CREATE NEW LOT(S)
- BUILD ON AN EXISTING LOT IN A SUBDIVISION
- BUILD ON AN EXISTING PARCEL OF RECORD

IS THE PROPERTY WITHIN 2500' OF ANY RESERVOIR?

- YES
- NO

THE TYPE OF STRUCTURE IS:

- RESIDENTIAL WITH \_\_\_\_\_ PROPOSED BEDROOMS IN THE COMPLETED STRUCTURE (NOTE **UNKNOWN** IF APPROPRIATE)
- COMMERCIAL (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/CUSTOMERS ON ACCOMPANYING PLAN)
- INSTITUTIONAL/GOVERNMENT (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/USERS ON ACCOMPANYING PLAN)

PROPERTY OWNER(S) Tracey Kevin Duffy

DAYTIME PHONE 301-252-1092 CELL 301-252-1092 FAX 301-854-3497

MAILING ADDRESS 5418 Harris Farm Lane Clarksville MD 21029  
STREET CITY/TOWN STATE ZIP

APPLICANT Tracey K. Duffy

DAYTIME PHONE \_\_\_\_\_ CELL \_\_\_\_\_ FAX \_\_\_\_\_

MAILING ADDRESS same  
STREET CITY/TOWN STATE ZIP

APPLICANT'S ROLE: DEVELOPER BUILDER BUYER RELATIVE/FRIEND REALTOR CONSULTANT

PROPERTY LOCATION  
SUBDIVISION/PROPERTY NAME Alan Weintraub LOT NO. 19A

PROPERTY ADDRESS 5418 Harris Farm Lane Clarksville, MD 21029  
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) \_\_\_\_\_ GRID \_\_\_\_\_ PARCEL(S) \_\_\_\_\_ PROPOSED LOT SIZE \_\_\_\_\_

AS APPLICANT, I UNDERSTAND THE FOLLOWING: THE SYSTEM INSTALLED SUBSEQUENT TO THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS APPLICATION IS COMPLETE WHEN ALL APPLICABLE FEES AND A SUITABLE SITE PLAN HAVE BEEN RECEIVED. I ACCEPT THE RESPONSIBILITY FOR COMPLIANCE WITH ALL M.O.S.H.A. AND 'MISS UTILITY' REQUIREMENTS. APPROVAL IS BASED UPON SATISFACTORY REVIEW OF A PERC CERTIFICATION PLAN.

TEST RESULTS WILL BE MAILED TO APPLICANT. Tracey K. Duffy  
SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM  
7178 COLUMBIA GATEWAY DRIVE COLUMBIA, MARYLAND 21046 (410) 313-1771 FAX (410) 313-2648  
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

A/P \_\_\_\_\_

Empty rectangular box for notes or data.

Large empty rectangular box for drawing or detailed notes.

Empty rectangular box for notes or data.

Empty rectangular box for notes or data.

Empty rectangular box for notes or data.

Empty rectangular box for notes or data.

Empty rectangular box for notes or data.

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H

REMARKS \_\_\_\_\_

SANITARIAN \_\_\_\_\_ BACKHOE \_\_\_\_\_ OTHERS \_\_\_\_\_

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

TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE SW \_\_\_\_\_



# HOWARD COUNTY HEALTH DEPARTMENT

31858

DATE  
7/29/07

AS

Received From

Tracy Duffy

PHONE # 301.252.1092

For perc app -

5418 Harris Farm Lane

CASH

CHECK

NO. w

29117

five hundred and one -

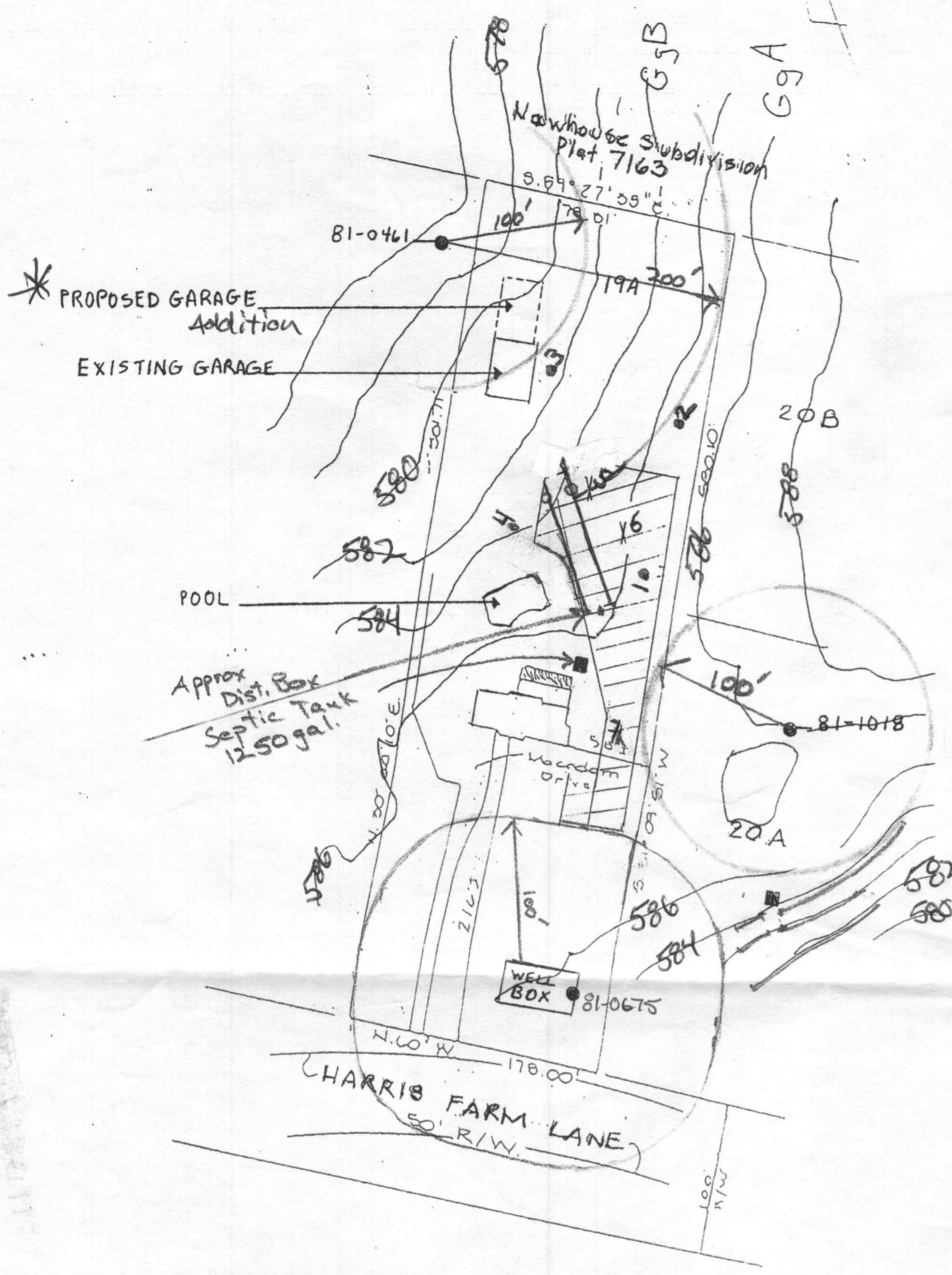
Dollars

\$

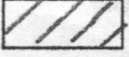
506<sup>00</sup>

Received By

Uthmaniyah



**NOTES**

1. ALL EXISTING WELLS ON THE SUBJECT PROPERTY AND WITHIN 100 FEET OF SUBJECT PROPERTY BOUNDARIES ARE REPRESENTED TO THE BEST OF MY KNOWLEDGE AND BELIEF.
  2. TOPOGRAPHY ON THIS PLAT IS FROM HOWARD COUNTY GIS (2006) AND IS VERIFIED TO ACCURATELY REPRESENT THE RELATIVE ELEVATION CHANGES ON AND NEAR THE SUBJECT PROPERTY.
  3. THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT.
  4. ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
-  Approx. 12,147 Sq. Ft.
5. THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT 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 EASEMENT ARE RESTRICTED. THIS EASEMENT 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 OF A REVISED SEWAGE EASEMENT SHALL NOT BE NECESSARY.
  6. ALL IMPROVEMENTS SHALL REMAIN.
  7. THE PURPOSE FOR THIS PERCOLATION CERTIFICATION PLAN IS TO ADJUST AND CONFIRM THE BOUNDARIES OF THE EXISTING SEPTIC EASEMENT IN SUPPORT OF A BUILDING PERMIT APPLICATION FOR A GARAGE ADDITION.

I CERTIFY THAT THE INFORMATION SHOWN HEREON IS BASED ON WORK PERFORMED IN MY PRESENCE OR BY MY DIRECTION, AND IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Tracey K. Duffy 08-16-09  
 (SIGNATURE) (DATE)

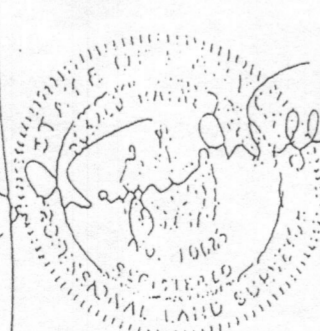
APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.

B. Wilson for Peter B. Selouson 8/31/2009  
 (SIGNATURE) rb (DATE)

**PERCOLATION CERTIFICATION PLAN REVISION**

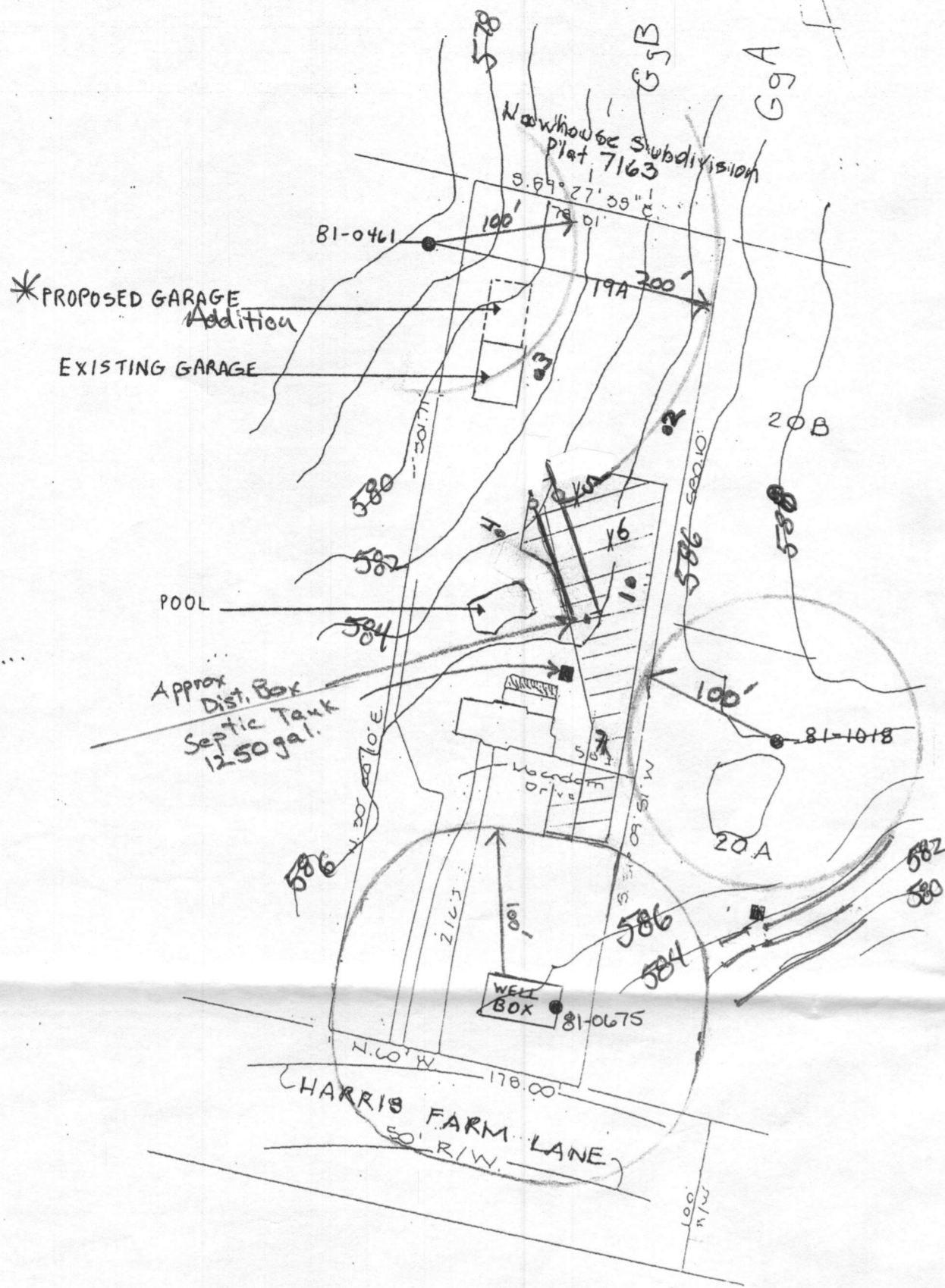
**5418 HARRIS FARM LANE**  
**TAX MAP 28, PARCEL 285, LOT 19-A**

LOCATION SURVEY PLAT  
 SUBJECT PROPERTY NOT LOCATED IN A FLOOD PLAIN AREA UNLESS OTHERWISE NOTED

CERTIFICATION	SEAL	SCALE 1"=100'	DATE
This is to certify that I have surveyed the property known as: <u>5418 Harris Farm Lane</u>		LAND DESIGN ENGINEERING INC. 8835 Columbia 100 Parkway Unit N Columbia, MD 21045 (410) 715-1070 (301) 596-3424 (410) 715-0681 (Fax)	

DRAWN BY: NAME/DATE  
Tracey K. Duffy August 16th 2009  
 OWNER/DEVELOPER:  
Tracey K. Duffy August 16th 2009

- LEGEND**
- — WELL
  - ⋈ — 5-7 PERC site — Pass 8/7/09
  - — 1-4 ORIGINAL PERC SITES 11/5/75 — Pass
  - — Trench exposed
  - — SEPTIC TANK
  - ▨ — SEPTIC EASEMENT



well

**NOTES**

1. ALL EXISTING WELLS ON THE SUBJECT PROPERTY AND WITHIN 100 FEET OF SUBJECT PROPERTY BOUNDARIES ARE REPRESENTED TO THE BEST OF MY KNOWLEDGE AND BELIEF.
  2. TOPOGRAPHY ON THIS PLAT IS FROM HOWARD COUNTY GIS (2006) AND IS VERIFIED TO ACCURATELY REPRESENT THE RELATIVE ELEVATION CHANGES ON AND NEAR THE SUBJECT PROPERTY.
  3. THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT.
  4. ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
- Approx. 12,147 sq. ft.
5. THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT 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 EASEMENT ARE RESTRICTED. THIS EASEMENT 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 OF A REVISED SEWAGE EASEMENT SHALL NOT BE NECESSARY.
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I CERTIFY THAT THE INFORMATION SHOWN HEREON IS BASED ON WORK PERFORMED IN MY PRESENCE OR BY MY DIRECTION, AND IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

*Tracey K. Duffy*

08-16-09

(SIGNATURE)

(DATE)

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.

*B. Neff for Peter Beilenson*

8/31/2009

(SIGNATURE)

(DATE)

**PERCOLATION CERTIFICATION PLAN REVISION**

**5418 HARRIS FARM LANE**

**TAX MAP 28, PARCEL 285, LOT 19-A**

LOCATION SURVEY PLAT  
SUBJECT PROPERTY NOT LOCATED IN A FLOOD PLAIN AREA UNLESS OTHERWISE NOTED

CERTIFICATION	SEAL	SCALE 1"=100' DATE 8/16/09
This is to certify that I have surveyed the property known as: <u>5418 Harris Farm Lane</u>		LAND DESIGN ENGINEERING, INC. 8835 Columbia 100 Parkway Unit N Columbia, MD 21045 (410) 715-1070 (301) 596-3424 (410) 715-0681 (FAX)
For the purpose of locating the improvements thereon, and the improvements are located as shown.		

DRAWN BY: NAME/DATE

*Tracey K. Duffy August 16th 2009*

OWNER/DEVELOPER:

*Tracey K. Duffy August 16th 2009*

- LEGEND
- — WELL
  - ✕ — 5-7 PERC Sites - Pass
  - — 1-4 ORIGINAL PERC SITES
  - — Trench exposed
  - — SEPTIC TANK
  - ▨ — SEPTIC EASEMENT
- 8/17/09  
11/5/75 - Pass