

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

A5462160

PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME Heritage Heights, Section One/Block D/Cary Ho Prop. LOT# 12

PROPERTY ADDRESS 6118 Tulane Drive Clarksville 21029
STREET TOWN ZIP

TAX ACCOUNT # 05-359856 TAX MAP 0034 GRID 0012 PARCEL 0123 ZONING DESIGNATION R-12

PROPERTY OWNER(S) Cary Ho * Michelle H. Ho

DAYTIME PHONE 410-807-2444 CELL 410-807-2444 EMAIL caryho@gmail.com

MAILING ADDRESS 12408 Pretoria Drive, Silver Spring, Md. 20904
STREET CITY, STATE ZIP

APPLICANT Douglas C. Myers RELATIONSHIP TO OWNER: General Contractor

DAYTIME PHONE 443-438-0860 CELL 443-438-0860 EMAIL douglascmyers@gmail.com

MAILING ADDRESS 800 Scarlett Drive Towson, Md. 21286
STREET CITY, STATE ZIP

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

BUILDING:

- RESIDENTIAL WITH _____ 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.

Douglas C. Myers

SIGNATURE OF APPLICANT

2/14/2014

DATE

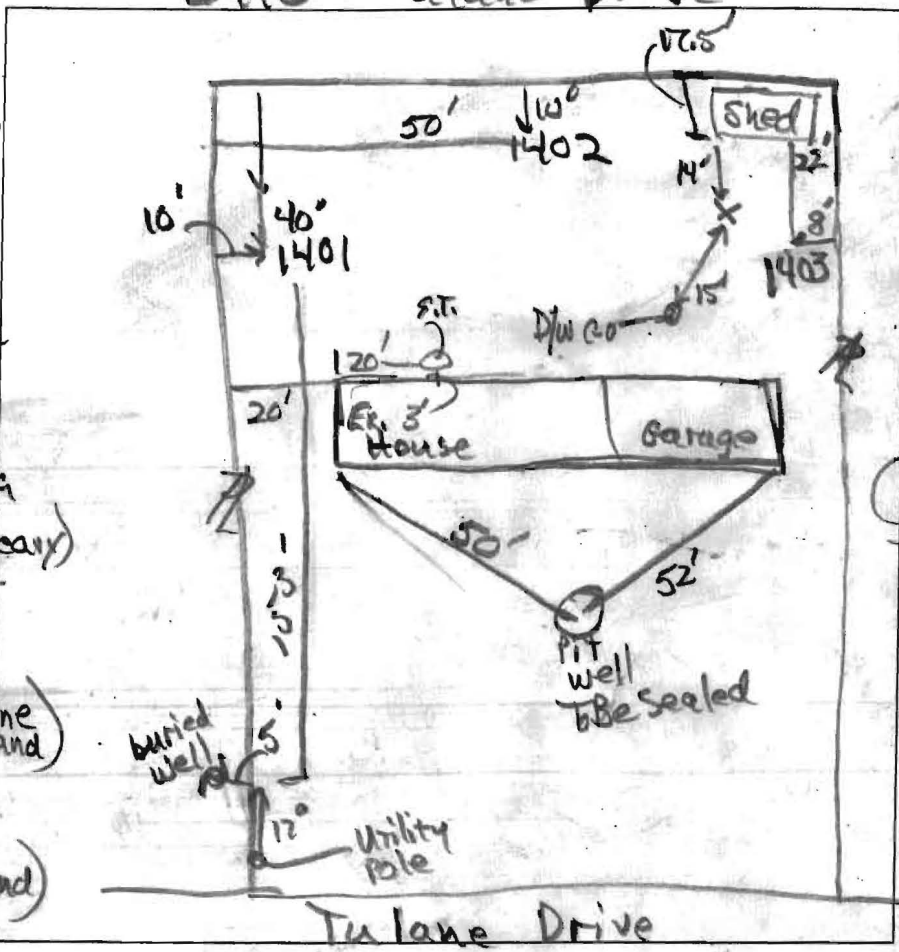
*6118 Tulane Drive

A/P

1402

1401

- 0.8' dk. grey-brn L, 3fg
- brn cl
- 2msbk
- 1.7' yel-red l
- 1 imp l → 1 blk clay skins
- 2.7' yel-red cl
- Øm, com mica
- 3.5' yel-red sl (heavy) many mica
- 5.5' brn fs, Øm many mica
- f3d (yellow fine sand)
- 11' brn fs, Øm many mica
- f3d (yellow sand)
- 14.8'



- 0.8' dk grey-brn L, 3fg
- 1.7' yel-red cl
- 2.6' 2msbk com mica
- 3.5' yel-red fscl clay skins many mica
- 5' yel-red L Øm many mica
- 6' red & yel fsl Øm many mica
- 12' brn fs, Øm many mica
- f3d (yellow sand)
- 14.5' grey-brn fs Øm, f3d (whitesand)

1403

- 0.7' dk. grey-brn L, 3fg
- brn L, 2fsbk
- 8-10% gravel
- 1.5' yel-red csl
- 2fsbk
- com. coarse mica (moscovite)
- 10%-12% gravel (quartzite)
- 3.5' red-yel sl com coarse mica
- 5% gravel
- 6' yel & brn fsl
- Øm many mica
- 8' grey-brn f3 pale yellow fs, Øm many mica
- 2' many mica

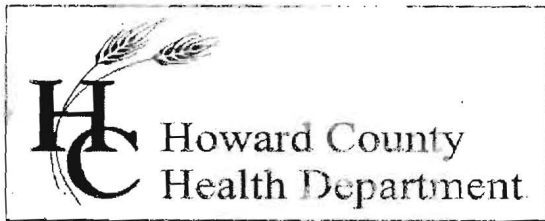
DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
3/20/14	1401	6.5' 14.8'	10:08	10:13	10:25	12	P
3/20/14	1402	6.5' 14.5'	10:42	10:46	10:56	10	P
3/20/14	1403	14.2'	Visual			sidewall 3.5'-10'	P

REMARKS: X Trench exposed at 4' depth; gravel at top is clean

SANITARIAN: R Bricker BACKHOE: Bill Ingram OTHERS: John Ingram #2, Doug Myer #11

TEST HOLES USED IN SDA: 1401/1402 & 1403 AVG. PERC TIME: 187.5 SQ. FT/HR

TRENCH WIDTH: 2 INLET DEPTH: 4 MAX. BOT DEPTH: 10 EFFECTIVE SW: 5



Bureau of Environmental Health

8930 Stanford Blvd., Columbia, MD 21045

Main: 410-313-1771 | Fax: 410-313-2648

TDD 410-313-2323 | Toll Free 1-866-313-6300

www.hchealth.org

Facebook: www.facebook.com/hocohealth

Twitter: @HowardCoHealthDep

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

March 31, 2014

To: Douglas C. Myers, Applicant
douglascmyers@gmail.com

RE: Percolation Test Report; 6118 Tulane Drive

Percolation tests were conducted at 6118 Tulane Drive (Tax Map 34, Parcel 123) on March 20, 2014. Three test locations, '1401', '1402' and '1403', were dug and observed. Tests were conducted at accessible locations beyond the setbacks to surrounding wells and avoiding components of the existing septic system.

All three test locations 'PASS', having soils that are satisfactory for wastewater treatment and disposal in conventional trenches. Locations of percolation tests that 'PASS' are used to define the sewage disposal area (SDA) proposed on the Percolation Certification Plan. The percolation test results and suitable area for wastewater discharge are certified by the Approving Authority's signature of the Percolation Certification Plan. The percolation test data, sent to you on March 20, is attached to this report.

The soil profile for test location '1401' is the location nearest to the existing trench, and may be used to 'prove' the four-foot soil buffer required beneath the existing trench.

With exception of the existing trench, the existing septic system (i.e. the septic tank and dry well) will be replaced and abandoned. The replacement system will consist of a BAT unit and trenches adequate to receive the estimated discharge from the proposed expanded residence. The replacement septic system may be installed after the Percolation Certification Plan is signed by the Approving Authority and all permitting requirements are fulfilled.

If you have any questions regarding this evaluation or requirements for a Percolation Certification Plan or BAT Site Plan, please contact me by email or by calling (410) 313-2691.

Respectfully,

Robert Bricker, CPSS, REHS/RS, L.E.H.S.

Environmental Sanitarian II

Well and Septic Program

Copy: file

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. THE EXISTING WELL ON THE SUBJECT PROPERTY (NO TAG) HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN. THIS WELL WILL BE SEALED PRIOR TO HEALTH DEPARTMENT APPROVAL OF A BUILDING PERMIT TO RENOVATE OR REPLACE THE EXISTING RESIDENCE.
3. TOPOGRAPHY ON THIS PLAT IS FROM HOWARD COUNTY TOPOGRAPHY (2008) AND IS VERIFIED TO ACCURATELY REPRESENT THE RELATIVE ELEVATION CHANGES ON AND NEAR THE SUBJECT PROPERTY.
4. THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT.
5. ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.



6. THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT 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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10. THE ENTIRE PROPERTY IS WITHIN THE GbB SOIL MAP UNIT

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.

(SIGNATURE)

(DATE)

**APPROVED FOR PUBLIC WATER AND PRIVATE SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT**

(SIGNATURE)

(DATE)

TITLE: (FOR EXAMPLE): PERCOLATION CERTIFICATION PLAN, "6118 TULANE ROAD"

Bricker, Robert

From: Bricker, Robert
Sent: Wednesday, April 30, 2014 11:30 AM
To: 'steven.krieg@maryland.gov'
Cc: Williams, Jeffrey
Subject: 6118 Tulane Drive
Attachments: 6118 Tulane Drive_proposed SDA.pdf; 6118 Tulane Drive-perc tests_3-20-14.pdf

Steve,

Attached PDF shows a proposed SDA with upgrade to BAT unit (for building permit expanding residence. There is very limited area to work with and the Heritage Heights subdivision near Clarksville had originally been approved with minimal setback (100-feet) for well-to-septic system components. A trench is to be added with the existing trench for the initial system, therefore LPD implementation would be very challenging. The existing dry well and septic tank are to be abandoned. There is adequate area for a replacement system near the north boundary of the property. A cleanout was observed in the yard to the north. An accurate location of the system there is unknown.

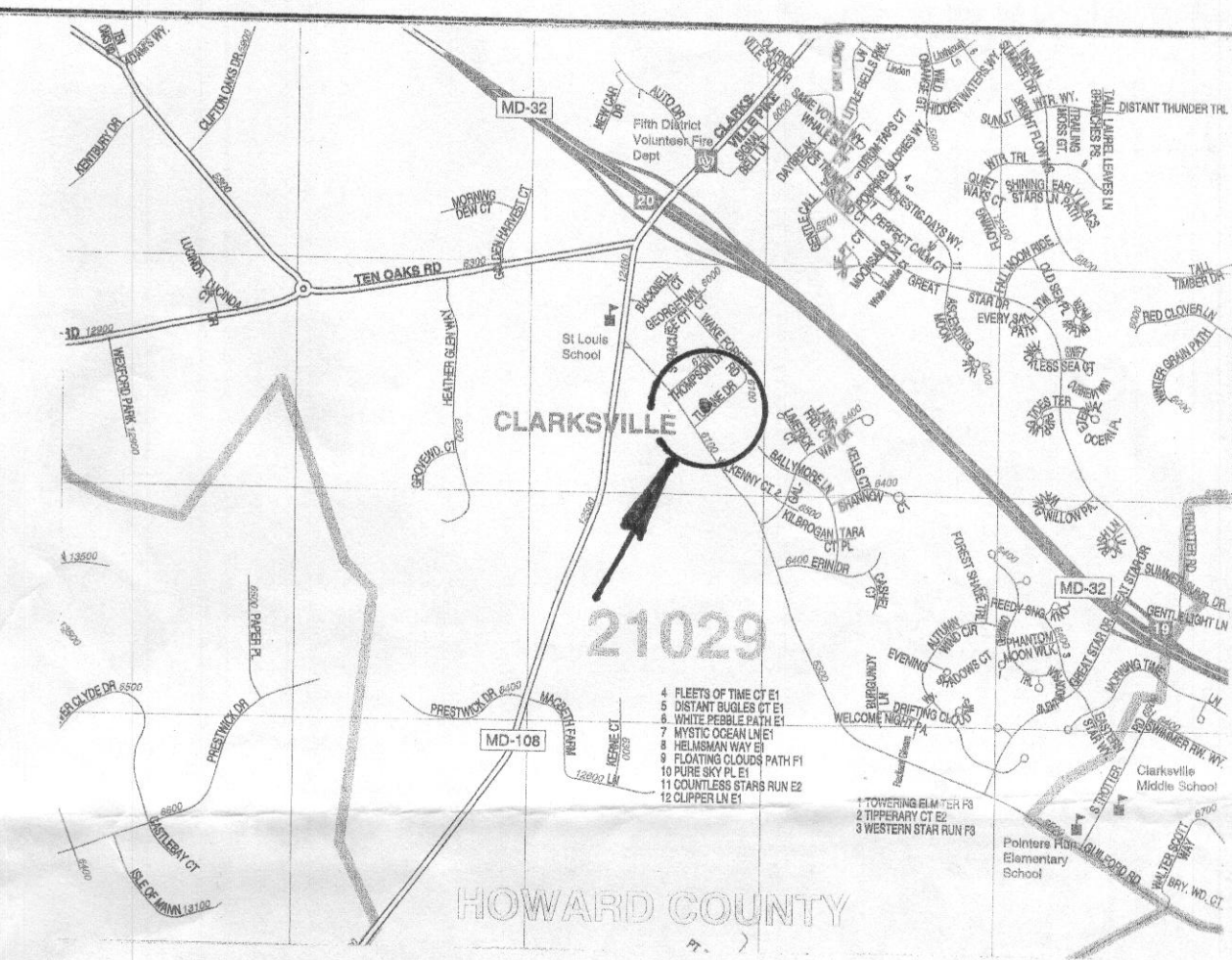
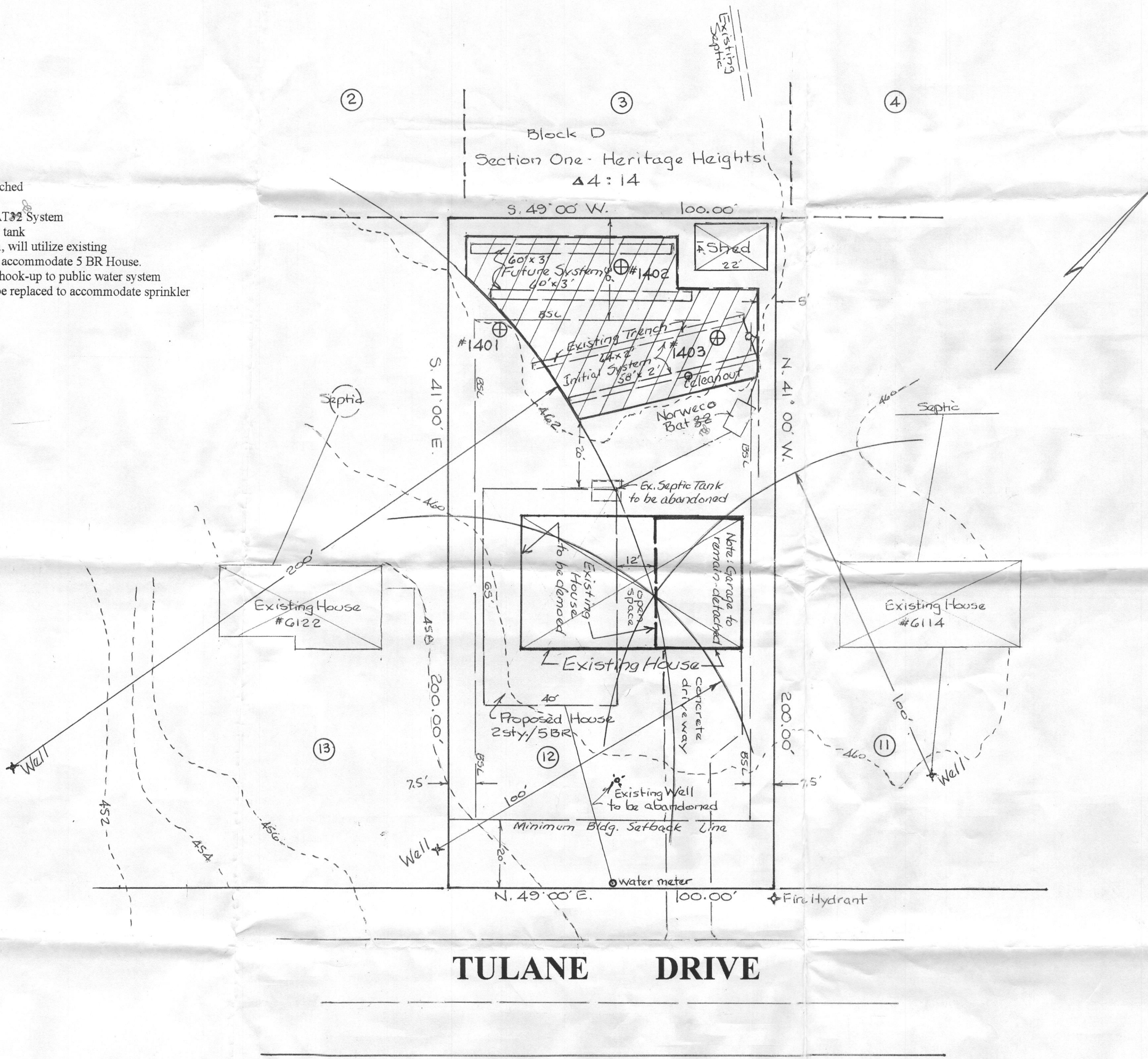
The property owner for 6118 is connecting to public water and sealing the existing well. We are recommending the SDA be approved as proposed, and without conditions other than the BAT unit be included in the septic system upgrade and the well on the subject property be sealed.

Robert Bricker, REHS/R.S., L.E.H.S.

Douglas C. Myers, LLC
 Land Consultant & Site Improvement
 800 Scarlett Drive
 Towson, Md., 21286
 443-438-0860
 douglascmyers@gmail.com

Note:

1. The house will be demolished
2. The garage will remain as detached
3. The topo is field run
4. Installation of NORWECO BAT32 System
5. Abandonment of well & septic tank
6. Proposed septic- Initial System, will utilize existing trench and additional trench to accommodate 5 BR House.
7. The well to be abandoned and hook-up to public water system
8. The existing water meter will be replaced to accommodate sprinkler system.



VICINITY MAP
 Scale 1"=2000'
 ADC Map 31/D2

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Douglas C. Myers
 Douglas C. Myers (DATE)
 (SIGNATURE)

APPROVED FOR PUBLIC WATER AND PRIVATE SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT

Maura Rossman 5/13/2014
 (SIGNATURE) (DATE) *mga*

Lot 12, Block D
 Section One- Heritage Heights
 Plat Book 4:14
 Tax Map 34, Grid 12, Parcel 123
 Deed Reference: 15469 / 005

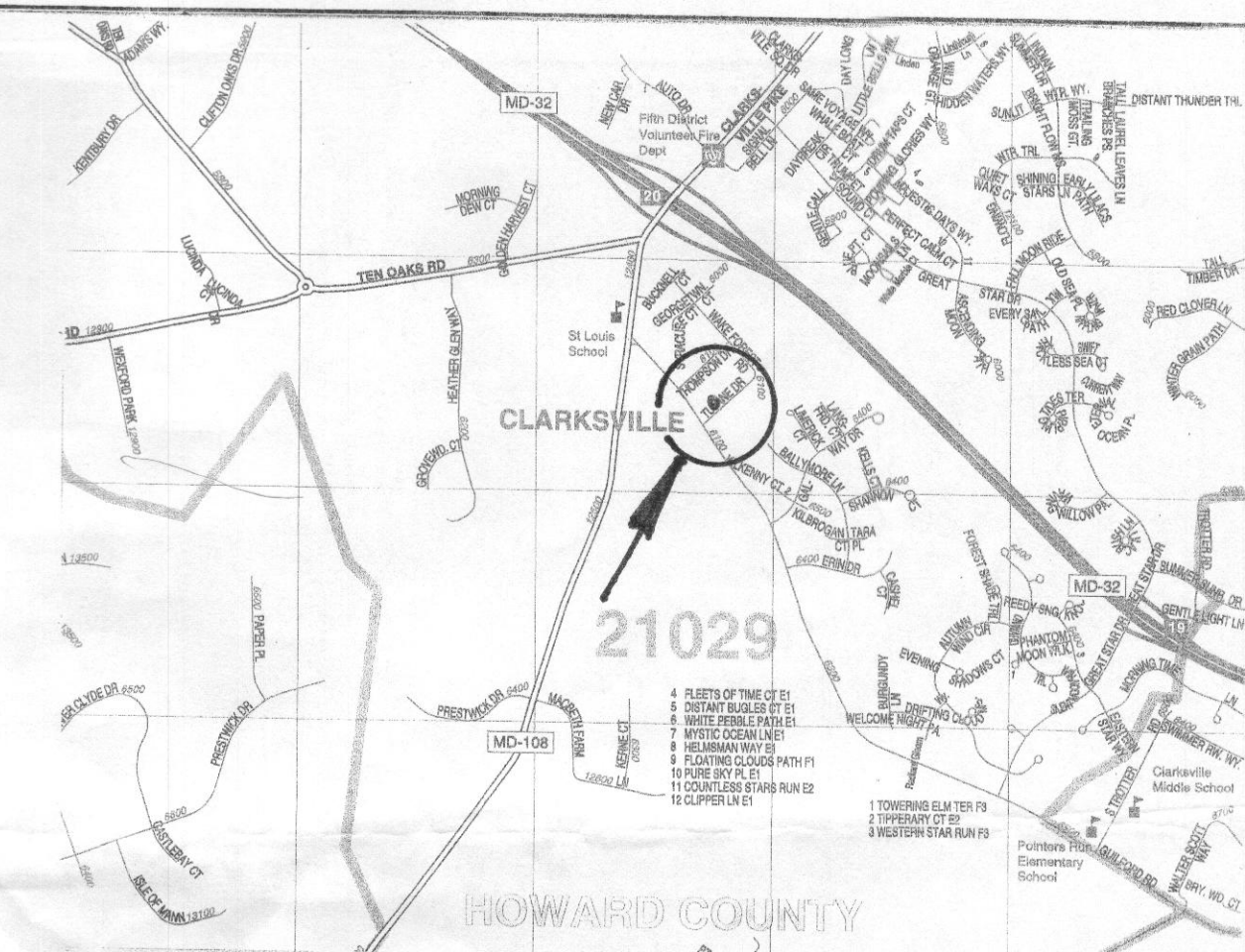
Percolation Certification Plan
6118 TULANE DRIVE

CLARKSVILLE, MD. 21029
 April 14, 2014 Scale 1"= 20'

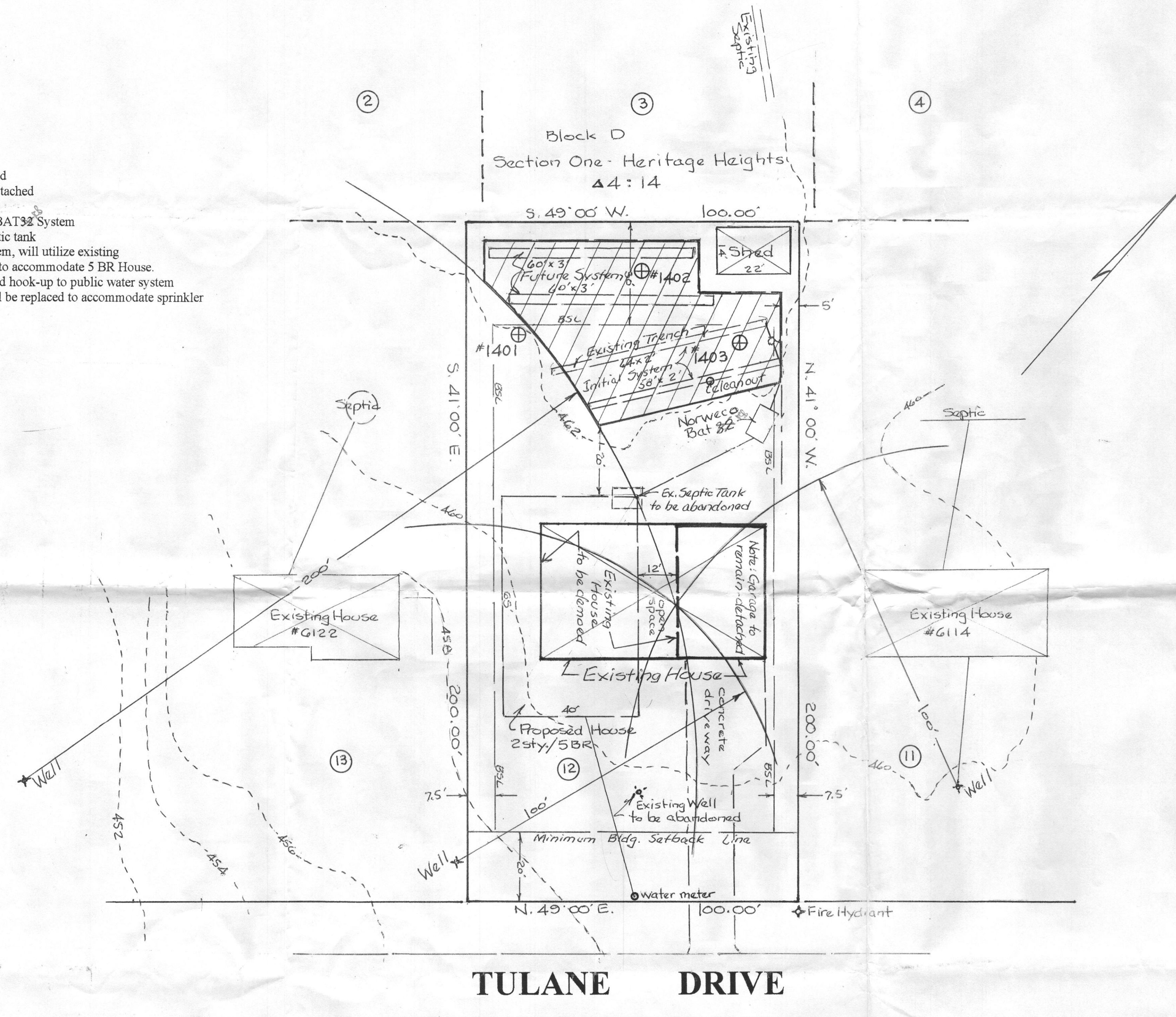
Owners: Cary Ho & Michelle A. Ho
 12408 Pretoria Drive
 Silver Spring, Md., 20904

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Douglas C. Myers
 Douglas C. Myers (DATE)

APPROVED FOR PUBLIC WATER AND PRIVATE SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
BR/Jan for Maureen Rogman 5/13/2014
 (SIGNATURE) (DATE)

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