

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

PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME _____ LOT # _____

PROPERTY ADDRESS 2491 Mullinex Mill Rd Mt Airy MD 21771
STREET TOWN ZIP

TAX ACCOUNT # _____ TAX MAP _____ GRID _____ PARCEL _____ ZONING DESIGNATION _____

PROPERTY OWNER(S) Jorge Aceveno

DAYTIME PHONE 301-829-4193 CELL _____ EMAIL _____

MAILING ADDRESS 2491 Mullinex Mill Rd Mt Airy MD 21771
STREET CITY, STATE ZIP

APPLICANT Ronnie Heaps RELATIONSHIP TO OWNER: None

DAYTIME PHONE 443-277-7526 CELL _____ EMAIL _____

MAILING ADDRESS 425 Orsacht Rd Sykesville MD 21784
STREET CITY, STATE ZIP

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

BUILDING:

- RESIDENTIAL WITH 5 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.

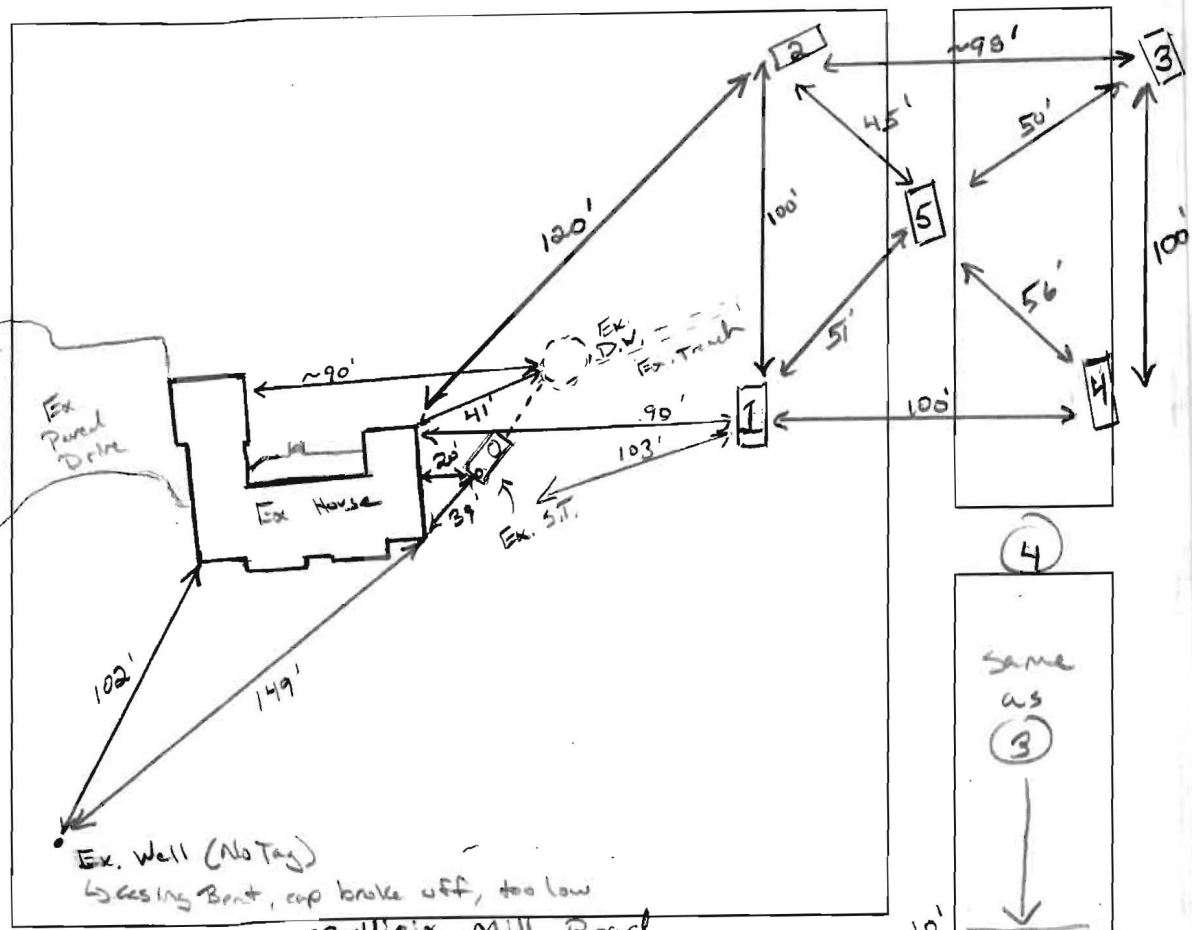
Ronnie Heaps 1/2/14
 SIGNATURE OF APPLICANT DATE

AP 546228

①
 8" OM Topsoil mSBK
 Rd/Br CL
 Friable, mSBK
 CW,
 3-4' Li Br/Rd/Y
 FSL, Friable
 Platy mixed w/ loam
 10% shale
 Supralite
 7' Br/Rd SL
 Dry,
 15% supralite
 15% Rock
 Hard Bottom
 11' 8"

②
 10" OM Topsoil wk 2SBK
 Br/Y L,
 mSBK, Dry
 Friable, CW
 roots
 4' Light Br/Y FSL
 wk Platy.
 5% supralite
 Friable, Dry
 roots
 5% shale
 8' V/B Br/Y SL
 wk Platy,
 10% supralite
 15% Rock
 Hard Bottom
 12' 6"

③
 3' Light Br/Y L,
 mSBK
 Friable, roots
 Dry
 3' Rd/Br FSL
 15% wk supralite
 Friable, common
 Platy.
 10% silt
 channels
 smooth
 Boundary
 10' 15%-20%
 supralite
 Hard Bottom



④
 Same as ③
 10'
 FSL, Br/Y
 Dry, Platy
 15% supralite
 25% shale
 Hard Bottom
 13'

⑤
 3' Br/Rd/Y L
 wk 2SBK,
 Friable, many roots
 Dry
 3' Light Rd/Br
 FSL, Dry
 10% supralite
 Friable
 wk platy
 wavy boundary
 12' 25% shale
 Hard Bottom

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
1/15/14	1	4'4" / 11'8" V	12:06	12:12	12:17	7	(P)
	2	4'6" / 12'6" V	12:45	12:52	1:04	12	(P)
	3	3'7" / 10'	12:57	1:00	1:05	5	(P)
	4	3'6" / 13' V	1:13	1:18	1:25	7	(P)
	5	3'5" / 12' V	1:32	1:35	1:41	6	(P)
		limits do bedrock (Bottom ~ 6' max)					

REMARKS Area parcel for repair + 2BR upgrade per homeowner.
 SANITARIAN K. Wolf BACKHOE R. Heaps OTHERS Homeowner
 TEST HOLES USED IN SDA 5 AVG. PERC TIME 7.4mp/ SQ. FT/BR 300ft²
 TRENCH WIDTH 2 INLET DEPTH 3 MAX. BOT DEPTH 6-7' EFFECTIVE S/W 4'

* Future system (First downhill with SRA) will be shallower. ex. 3'-5'




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Facebook: www.facebook.com/hocohealth
Twitter: HowardCoHealthDep

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

MEMORANDUM

Sent via email to keith.heindel@verizon.net on 5/30/2014


TO: A.L.S. Inc
Attn: Keith Heindel

FROM: Kevin M. Wolf, R.E.H.S./R.S., LEHS 
HCHD, Well & Septic Program
Groundwater Mgmt. Sec.

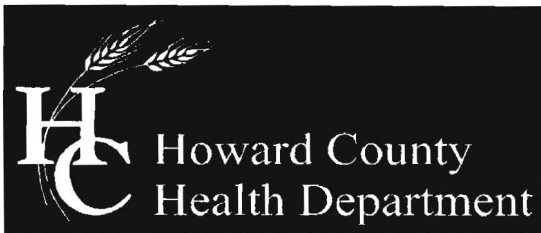
DATE: May 29, 2014

RE: **Percolation Certification Plan Comments – 2491 Mullinix Mill Road**
Acevedo Property

The following comments need to be addressed on the Percolation Certification Plan.
Please revise and resubmit for review:

1. Perc test hole spot elevations need to be shown on the plan for perc test 1-5. ✓
2. Label all “existing septic features as noted w/ appropriate date (i.e. “Existing septic tank abandoned on 4/21/14”, “Existing drywell abandoned 4/21/14”, “Existing trench abandoned 4/21/14”, etc...) ✓
3. Adjust shape of Septic Reserve Area (SRA) as shown on attached sheet. Include existing passed perc holes. ✓ 
4. Add location of newly installed septic system including location of BAT unit and label components as such. See attached as-built... ✓
5. Label in legend the perc test holes as ‘passed’ percolation test and Existing ‘passed’ percolation test dated 7/9/1970. ✓

KMW
Cc: File



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

January 17, 2014

Jorge Acevedo
2491 Mullinix Mill Road
Mount Airy, MD 21771

RE: **Percolation Test Results - 546228**
2491 Mullinix Mill Road

Dear Mr. Acevedo:

Percolation testing conducted January 15th, 2014, on the above referenced property indicated satisfactory soil conditions. Copies of the test results are enclosed.

Further review of the property is contingent upon submission of a percolation certification plan required under *Sec 3.805 of the Howard County Code*. Please refer to our website for further understanding Percolation Certification requirements www.hchealth.org

During the percolation testing, our findings concluded a glenelg/occoquan soil series in the existing part of the septic area and below where the tests were performed in. Soils were of a fine, sandy loam, saprolite material in the upper layers and lower layers. The underlying element consists of soft saprolite with a low to moderate content of shale. Depths to bedrock varied at 10' to 12' respectively. Silt and clay content was low. Soil percolation rates were fairly consistent with an average of 7-8 minutes per inch. These percolation test holes will delineate the future septic reserve area of about 10,000sq ft. These areas will be shown accordingly on the approved percolation certification plan. Your application rate was determined to be 0.8 gpd/sq. ft. These results will be used to determine your new and future system repair area.

Our findings for your current system were also located in the field. You have a mid-seam, one compartment concrete septic tank with a riser on the outlet and a drywell with connecting trench for your subsoil absorption system. This system was excavated near the tank and at the drywell/trench area. We concluded that the system was in fact holding water which serves the purpose of a failing system. The

current drywell/trench will need to be pumped out and collapsed/abandoned. A new septic system will be installed in the recently defined septic reserve area on your property per Howard County Code.

Your current well on the property is in substandard conditions which could possibly pose a public human and environmental health threat. The metal casing appeared to be bent at the top, the one-piece cap was broken off the well, and the casing was not 8" above grade. This documentation was concluded during my site evaluation at the above aforementioned date. You will need to contact a Licensed Plumber or Licensed well driller to fix these conditions and bring the well up to current standards.

In closing, the findings here today will be intuitive of a percolation certification plan that will support your proposed additions.

If you have any questions regarding this matter, please contact me at the above address or by calling (410) 313-4261.

Sincerely,

A handwritten signature in black ink, appearing to read "Kevin M. Wolf". The signature is fluid and cursive, written over a horizontal line.

Kevin M. Wolf, R.E.H.S./R.S.
Well & Septic Program

Cc: file

A.L.S. Inc.
 194 E. Main Street
 Westminster, MD 21157
 (410) 857-0822
 FAX (410) 857-0580

LETTER OF TRANSMITTAL

TO: Ho.Co.Health Dept.-Bureau of Enviro. Health
#8930 Stanford Blvd.
Columbia, Md 21045

DATE: 5-14-2014	JOB NO: #05-14-22
ATTENTION: Mr. Kevin M. Wolf	
RE: Percolation Certification Plan	
#2491 Mullinix Mill Road	

WE ARE SENDING YOU: ATTACHED UNDER SEPARATE COVER VIA THE FOLLOWING ITEMS:

- SHOP DRAWINGS PRINTS PLANS SAMPLES SPECIFICATIONS
 COPY OF LETTER CHANGE ORDER MISC.

COPIES	DATE	NO.	DESCRIPTION
3	5-14-14	3	Prints of Percolation Certification Plan for Lot 2, Section 1
			"GREVE SUBDIVISION" - #2491 Mullinix Mill Road- Acevedo Property.

THESE ARE TRANSMITTED AS CHECKED BELOW:

- | | | | |
|------------------------|--------------------------|----------|----------------------------------|
| <u>FOR APPROVAL</u> | APPROVED AS SUBMITTED | RESUBMIT | COPIES FOR APPROVAL |
| FOR YOUR USE | APPROVED AS NOTED | SUBMIT | COPIES FOR DISTRIBUTION |
| AS REQUESTED | RETURNED FOR CORRECTIONS | RETURN | CORRECTED PRINTS |
| FOR REVIEW AND COMMENT | MISC. | | |
| FOR BIDS DUE | | | PRINTS RETURNED AFTER LOAN TO US |

REMARKS: Mr. Wolf - if there are any questions or comments, please call.

Thanks !
 Al Stroud

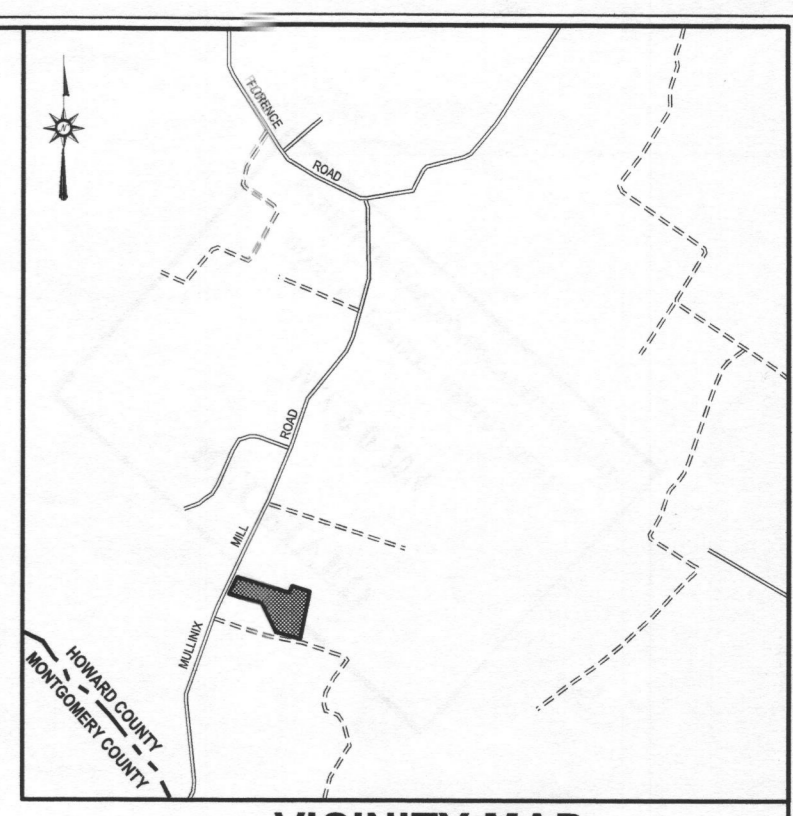
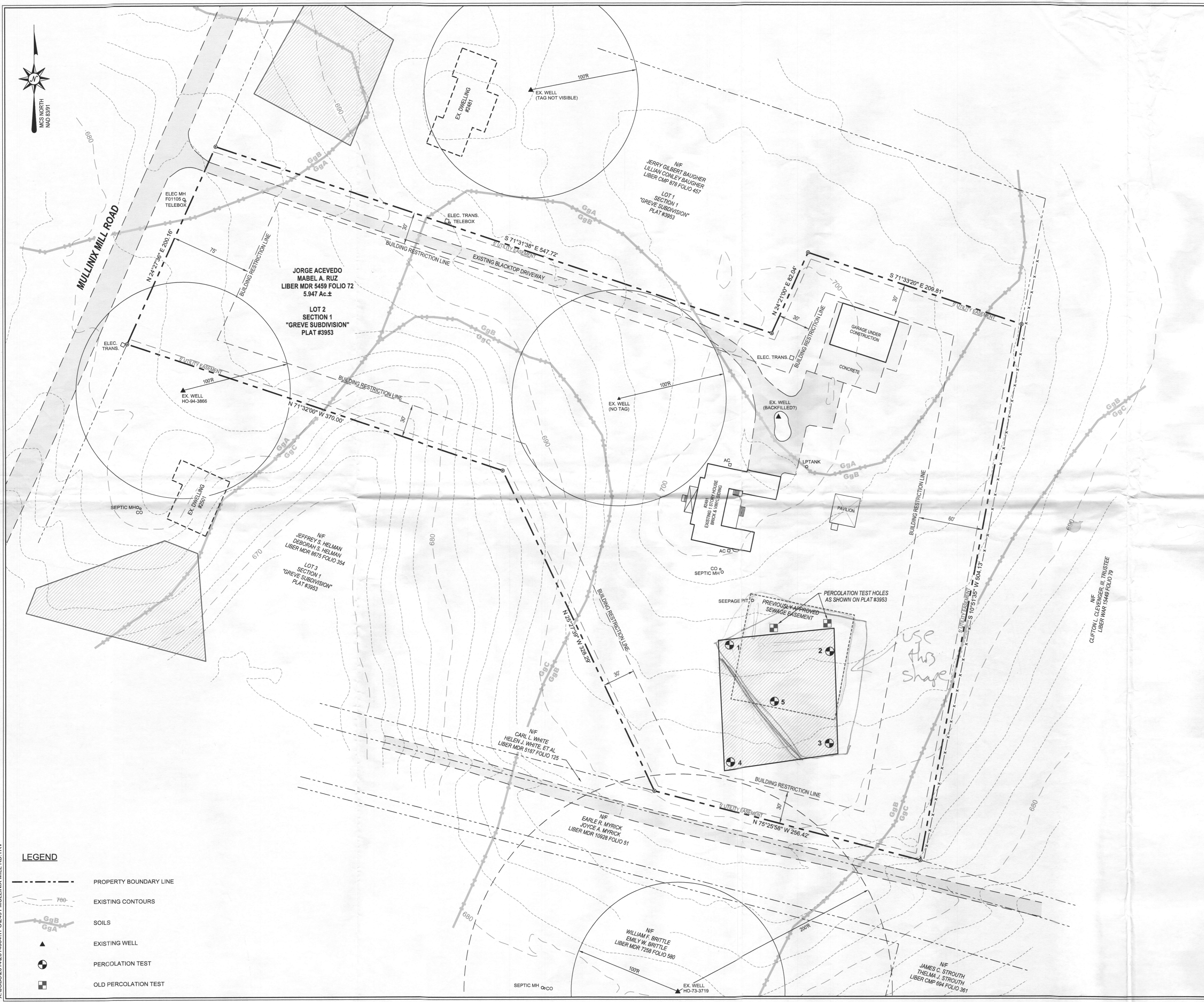
COPY TO: FILE

SIGNED: AL

IF ENCLOSURES ARE NOT AS NOTED, KINDLY NOTIFY US AT ONCE

- Perc test Holes Elevations needed.
- Label All "Existing" septic features
- Label old Perc test holes "Perc
approved Perc holes approved 7/9/1970"
- Change shape of SRA as shown
include existing passing Perc
holes
- Add Location of new BAT
report system including formulas.
Use Nominal Distances
to house (not to scale).

RECEIVED



VICINITY MAP
SCALE: 1" = 2,000'

GENERAL NOTES:

- CURRENT TITLE REFERENCE: OWNERS: JORGE ACEVEDO & MABEL A. RUZ DEED REFERENCE: LIBER MDR 5459 FOLIO 72 DATE: APRIL 30, 2001
- THE PROPERTY OUTLINE SHOWN HEREON IS FROM A BOUNDARY SURVEY PERFORMED BY A.L.S., INC. AND IS BASED ON THE MARYLAND COORDINATE SYSTEM, NAD 83/91.
- THE SOILS DATA SHOWN HEREON IS TAKEN FROM NRCS WEBSOIL SURVEY, VERSION 10 DEC. 10, 2013.
- ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
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George A. Stroud III
 GEORGE A. STROUD, III
 PROPERTY LINE SURVEYOR NO. 256
 DATE: 5/14/14

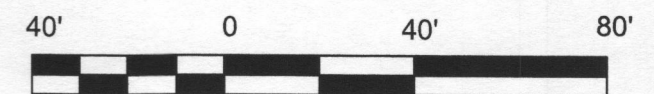
APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS

HEALTH OFFICER _____ DATE _____
 HOWARD COUNTY HEALTH DEPARTMENT

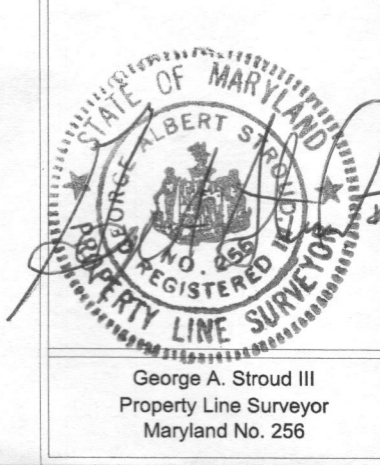
PERCOLATION CERTIFICATION PLAN
LOT 2, SECTION 1
"GREVE SUBDIVISION"
#2491 MULLINIX MILL ROAD

4TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 TAX MAP: 12, GRID: 11, PARCEL: 70

OWNERS:
 JORGE ACEVEDO
 MABEL A. RUZ
 2491 MULLINIX MILL ROAD
 MOUNT AIRY, MD 21771
 PHONE: 240-876-5316



License Renewal: 07/20/14

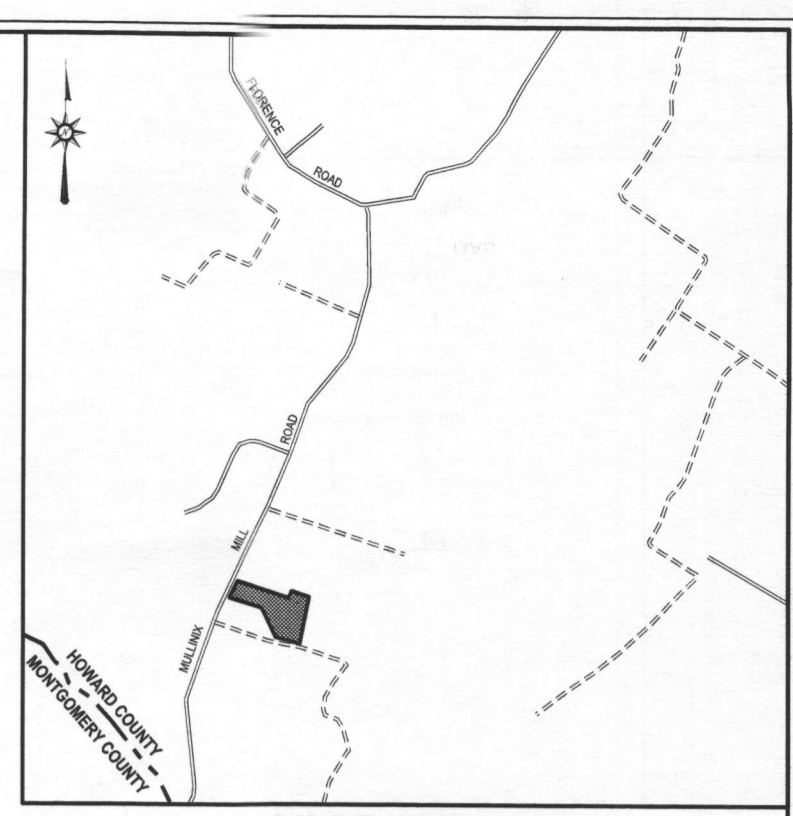
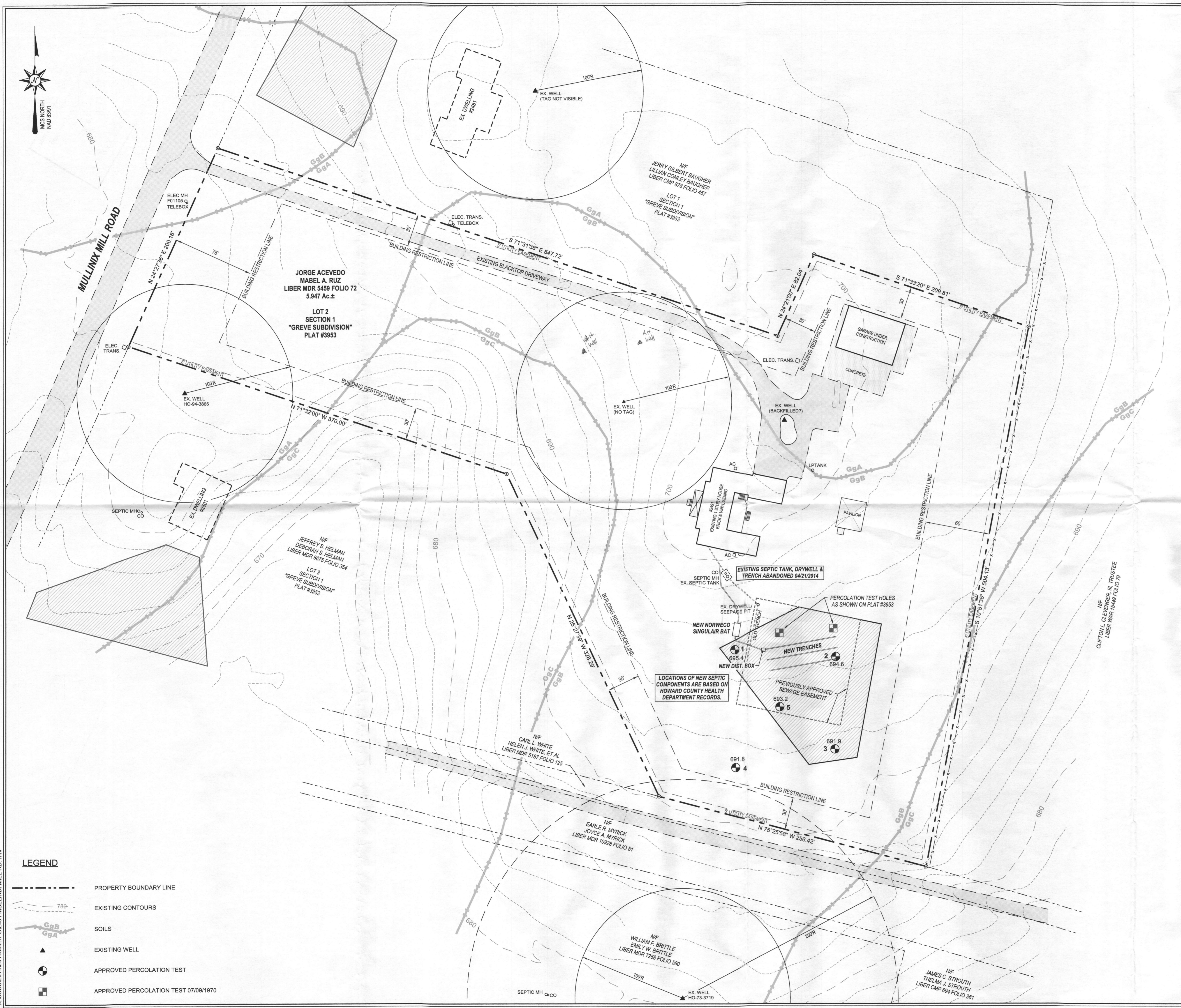


A. L. S. Inc.
 SURVEYORS & LAND PLANNERS
 104 EAST MAIN STREET
 WESTMINSTER, MARYLAND 21157
 410-871-0622

DRAWING NAME: PERC CERT PLAN
 SCALE: 1" = 40' DATE: 05/07/14 DRAWN BY: KAH
 JOB: 05-14-22 CHECK BY: GAS SHEET: 1/1

- LEGEND**
- PROPERTY BOUNDARY LINE
 - - - - - EXISTING CONTOURS
 - GgB GgA SOILS
 - ▲ EXISTING WELL
 - PERCOLATION TEST
 - OLD PERCOLATION TEST

X:\JOBS\2014\20140641\PC2491.MULLINIX MILL RD.TRY



VICINITY MAP
SCALE: 1" = 2,000'

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George A. Stroud III 6/2/14
 GEORGE A. STROUD III / DATE
 PROPERTY LINE SURVEYOR NO. 256

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS

Richard M. Roseman 6/2/2014
 HEALTH OFFICER / DATE
 HOWARD COUNTY HEALTH DEPARTMENT

**PERCOLATION CERTIFICATION PLAN
 LOT 2, SECTION 1
 "GREVE SUBDIVISION"
 #2491 MULLINIX MILL ROAD**

4TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
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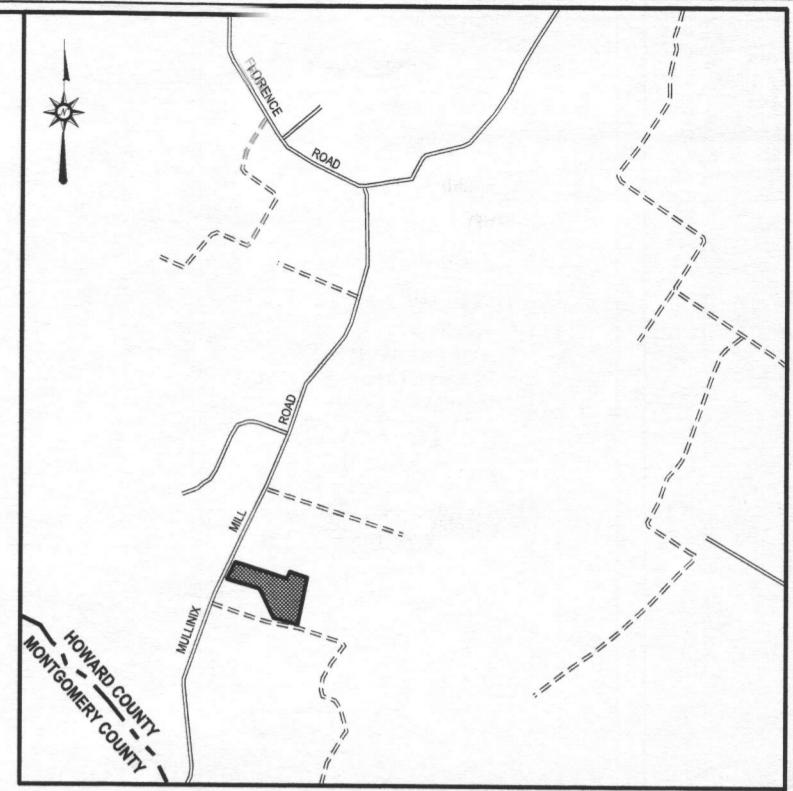
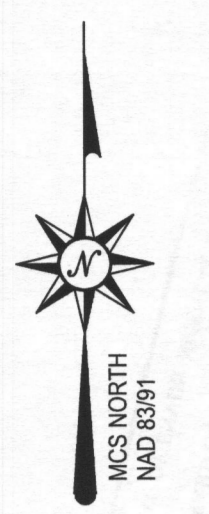
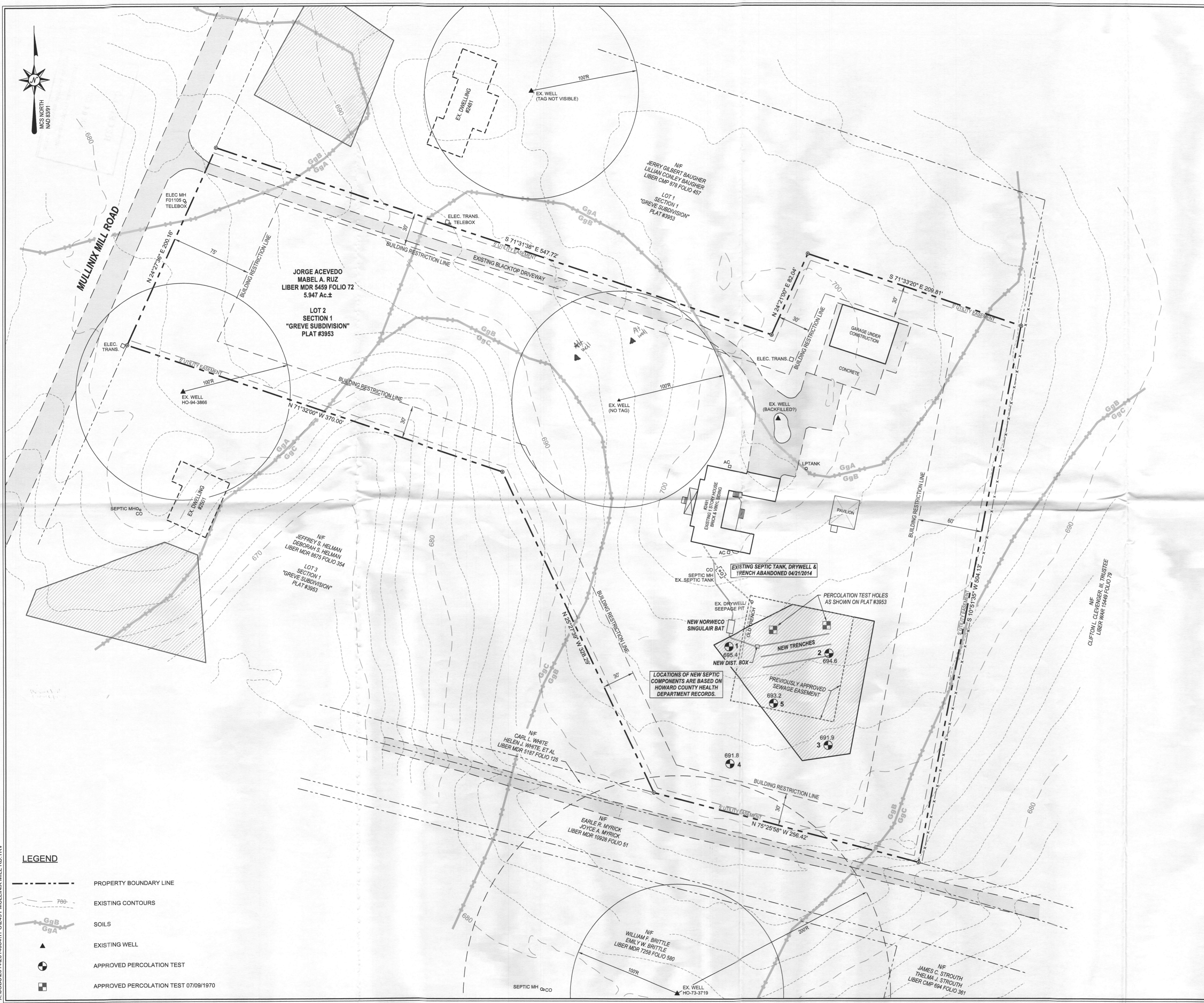


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 WESTMINSTER, MARYLAND 21157
 410-887-8822

DRAWING NAME: PERC CERT PLAN
 SCALE: 1" = 40' DATE: 05/07/14 DRAWN BY: KAH
 JOB: 05-14-22 CHECK BY: GAS SHEET: 1/1
 Revision: 05/30/14, address HCHD comments, KAH

George A. Stroud III
 Property Line Surveyor
 Maryland No. 256

- LEGEND**
- PROPERTY BOUNDARY LINE
 - EXISTING CONTOURS
 - SOILS
 - EXISTING WELL
 - APPROVED PERCOLATION TEST
 - APPROVED PERCOLATION TEST 07/09/1970



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 PROPERTY LINE SURVEYOR NO. 256
 DATE: 6/2/14

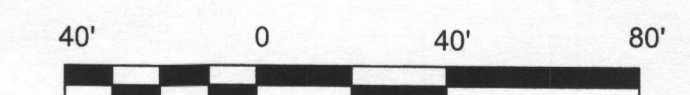
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Brian B. Munn
 HEALTH OFFICER
 HOWARD COUNTY HEALTH DEPARTMENT
 DATE: 6/2/2014

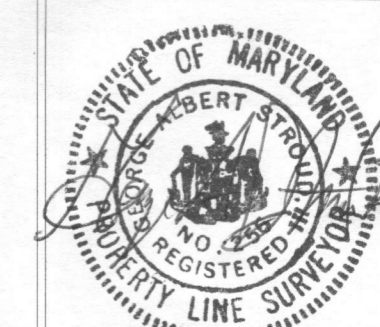
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X:\JOBS\2014\201406\11\PC2491 - MULLINIX MILL RD TRV