

APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____

AP 538091

AGENCY REVIEW: _____

DATE 10-9-12

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) (on ex. lot, ex. system)
- REPAIR/ADD TO AN EXISTING SEPTIC SYSTEM
- REPLACE AN EXISTING SEPTIC SYSTEM

FILED in APPROV. FOR NEW HOUSE

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 4 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) ROBERT & JUDITH MILLER

DAYTIME PHONE 410 480 3210 JUDI CELL 443-540-3279 JUDI FAX 410 480 2480

MAILING ADDRESS 4540 RUSBY GATE ELLICOTT CITY MD 21043
STREET CITY/TOWN STATE ZIP

APPLICANT SAME AS ABOVE

DAYTIME PHONE " CELL " FAX "

MAILING ADDRESS " STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME 4405 COLLEGE AVE., ELLICOTT CITY 21043 LOT NO. _____

PROPERTY ADDRESS ↓ STREET TOWN/POST OFFICE EX. LOT

TAX MAP PAGE(S) _____ GRID _____ PARCEL(S) _____ PROPOSED LOT SIZE 3.23 AC.

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.

SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM
7178 COLUMBIA GATEWAY DRIVE COLUMBIA, MARYLAND 21046 (410) 313-2640 FAX (410) 313-2648
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH



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

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

November 13th, 2012

To: Judith Miller
Applicant

RE: Perc Test Report, [4405 College Ave; Ellicott City, MD 21043 – A#538091]

Percolation testing was conducted on the referenced property on November 8th, 2012. The purpose for conducting these percolation tests was to delineate septic reserve area for a proposed single family dwelling.

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 both satisfactory and unsatisfactory for onsite wastewater treatment and disposal. A total of 9 percolation tests were conducted. Tests 104, 105, 106, 107 and 109 were satisfactory. Tests 101-103 and 108 failed due to excessive rock and/or clay content.

The existing septic system was located at the time of testing. The septic tank and drywell must be abandoned prior to building permit approval. The existing well located inside of the house must also be abandoned by a licensed well driller.

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

Respectfully,

A handwritten signature in black ink that reads 'Heidi Scott'.

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

Enclosures (2)

Copy: File



October 19, 2012

Ms. Heidi Scott
Howard County Health Department
Well and Septic Program
7178 Columbia Gateway Drive
Columbia, MD 21046

Re: Percolation Test Application
4405 College Ave
Miller Property

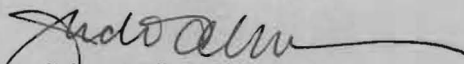
Dear Ms. Scott:

In response to your memorandum of October 16, 2012, please find attached 3 sets of the site plan with the following items addressed:

- Topography in 2' intervals have been added to the property
- Soil types have been noted
- The four corners and one central test locations have been shown
- The septic reserve area has been relocated out of the potential wet soils location

I hope this meets with your requirements. Please contact me for scheduling a date for the testing.

Sincerely,


Judith A. Miller, AIA
Principal

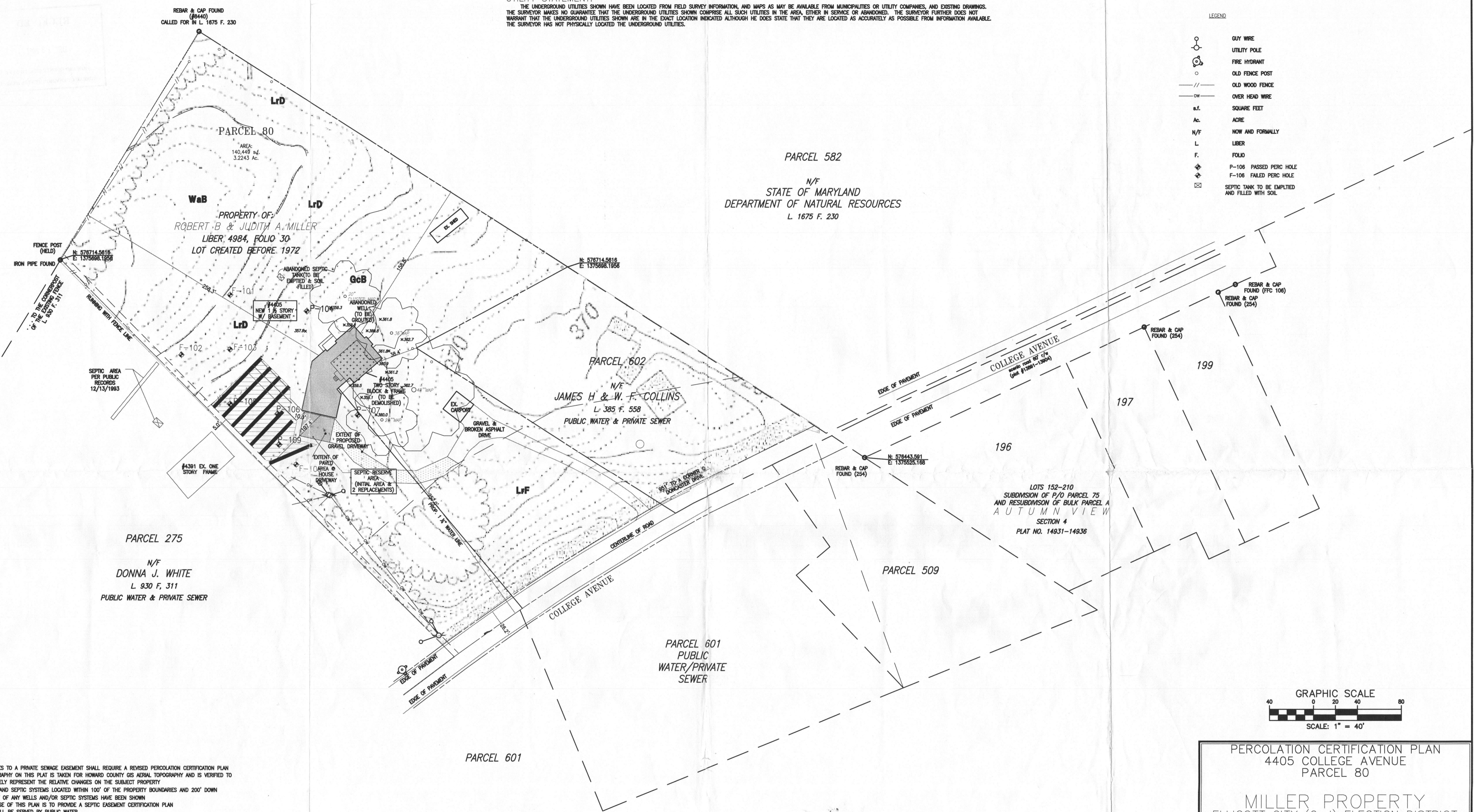
UTILITY STATEMENT:

THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION, AND MAPS AS MAY BE AVAILABLE FROM MUNICIPALITIES OR UTILITY COMPANIES, AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES STATE THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.

LEGEND

- GUY WIRE
- UTILITY POLE
- FIRE HYDRANT
- OLD FENCE POST
- OLD WOOD FENCE
- OVER HEAD WIRE
- SQUARE FEET
- ACRE
- NOW AND FORMALLY
- LIBER
- FOLIO
- P-106 PASSED PERC HOLE
- F-106 FAILED PERC HOLE
- SEPTIC TANK TO BE EMPTIED AND FILLED WITH SOIL

PARCEL 582
N/F
STATE OF MARYLAND
DEPARTMENT OF NATURAL RESOURCES
L. 1675 F. 230

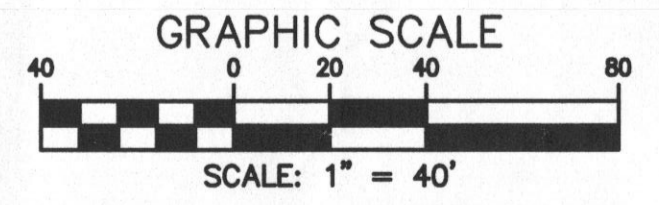


PARCEL 275
N/F
DONNA J. WHITE
L. 930 F. 311
PUBLIC WATER & PRIVATE SEWER

PARCEL 602
N/F
JAMES H & W. F. COLLINS
L. 385 F. 558
PUBLIC WATER & PRIVATE SEWER

PARCEL 601
PUBLIC WATER/PRIVATE SEWER

LOTS 152-210
SUBDIVISION OF P/O PARCEL 75
AND RESUBDIVISION OF BULK PARCEL A
AUTUMN VIEW
SECTION 4
PLAT NO. 14931-14936



- NOTES:
1. ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN
 2. THE TOPOGRAPHY ON THIS PLAT IS TAKEN FOR HOWARD COUNTY GIS AERIAL TOPOGRAPHY AND IS VERIFIED TO ACCURATELY REPRESENT THE RELATIVE CHANGES ON THE SUBJECT PROPERTY
 3. 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
 4. THE PURPOSE OF THIS PLAN IS TO PROVIDE A SEPTIC EASEMENT CERTIFICATION PLAN
 5. THIS LOT WILL BE SERVED BY PUBLIC WATER.
 6. THE SEPTIC AREA WILL ACCOMMODATE A MAXIMUM OF 4 BEDROOMS.

THIS AREA DESIGNATES A PRIVATE SEWAGE AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. FOR LOTS CREATED PRIOR TO 1972 IT PROVIDES AT LEAST ENOUGH AREA TO ACCOMMODATE AN INITIAL AND TWO REPLACEMENT SYSTEMS AS REQUIRED BY THE HOWARD COUNTY HEALTH DEPARTMENT. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THIS AREA SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE AREA. RECORDATION OF A MODIFIED SEWAGE AREA SHALL NOT BE NECESSARY.

- SYSTEM #1 - 3-3"x42" TRENCHES
- SYSTEM #2 - 2-3"x62" TRENCHES
- SYSTEM #3 - 2-3"x62" TRENCHES

HEALTH OFFICER SIGNATURE BLOCK:
APPROVED FOR PUBLIC WATER AND PRIVATE SEWAGE SYSTEMS
Madison for Maureen Roseman 12/19/2012
HEALTH OFFICER, HOWARD COUNTY HEALTH DEPARTMENT TO GW DATE 12/19/2012

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.
Michael Mills 12-12-2012
DATE

PERCOLATION CERTIFICATION PLAN
4405 COLLEGE AVENUE
PARCEL 80

MILLER PROPERTY
ELLCOTT CITY (2nd) ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

CPJ Charles P. Johnson & Associates, Inc.
Civil and Environmental Engineers • Planners • Landscape Architects • Surveyors
1751 Elton Rd., Ste. 300 Silver Spring, MD 20903 301.434.7000 Fax: 301.434.9394
www.cpjia.com • Silver Spring, MD • Gaithersburg, MD • Frederick, MD • Fairfax, VA

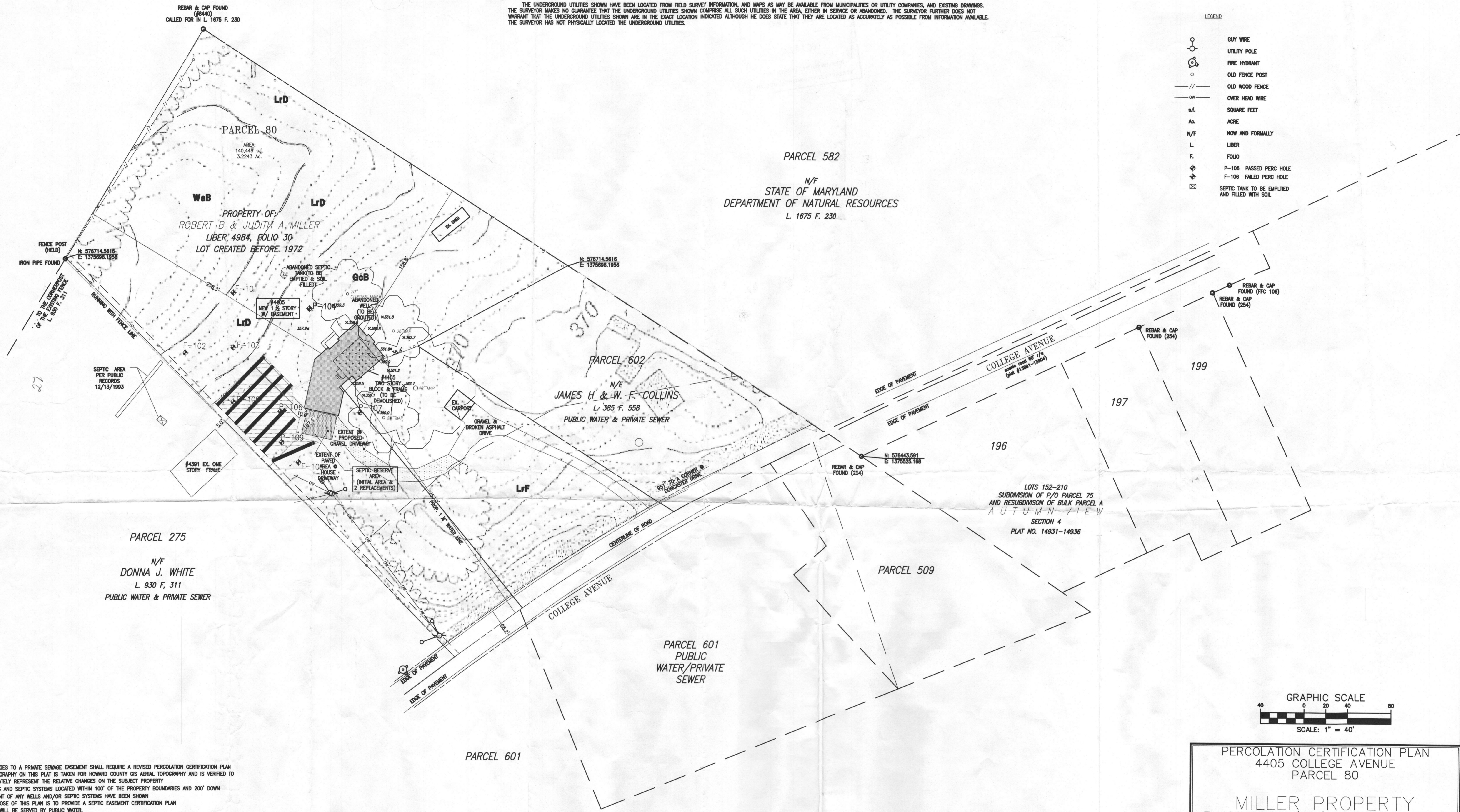
CLIENT : JUDI MILLER		PRELIMINARY PLAN NO: SITE PLAN NO:	
PRINCIPAL ARCHITECTURE BY DESIGN, INC. 3005 CHEVROLET DRIVE, SUITE 5 ELLCOTT CITY, MD 211402	DESIGN JAM DRAFT JAM	SHEET 1	OF 1
COPYRIGHT: LATEST DATE HEREON CHARLES P. JOHNSON & ASSOCIATES, INC. ALL RIGHTS RESERVED. UNAUTHORIZED USE OR REPRODUCTION IS PROHIBITED.	DATE 11/26/2012 SCALE 1" = 40'	FILE NO : 42-144-060	

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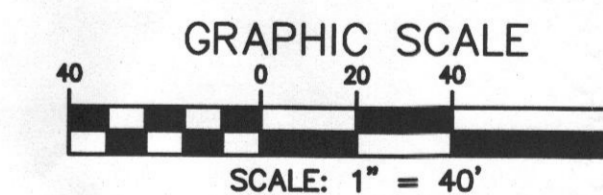
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HEALTH OFFICER SIGNATURE BLOCK:

"APPROVED FOR PUBLIC WATER AND PRIVATE SEWAGE SYSTEMS"
William for M... [Signature] 12/13/2012
 HEALTH OFFICER, HOWARD COUNTY HEALTH DEPARTMENT DATE 12/13/2012

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[Signature] 12-12-2012
 DATE



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DESIGN	JAM	SHEET	OF
DRAFT	JAM	1	1
DATE	11/26/2012	FILE NO :	
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