

APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____

Q/P 529535

AGENCY REVIEW: _____

DATE 8/19/08

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 3 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) GERALD A. & SUSAN M. O'DONNELL

DAYTIME PHONE 410-766-6800 CELL 410-365-1357 FAX 410-766-6800

MAILING ADDRESS 10085 CENTURY DR. ELLICOTT CITY MD 21042
STREET CITY/TOWN STATE ZIP

APPLICANT GERALD A. O'DONNELL JR

DAYTIME PHONE 410-766-6800 CELL 410-365-1357 FAX 410-766-6800

MAILING ADDRESS 10085 CENTURY DR ELLICOTT CITY MD 21042
STREET CITY/TOWN STATE ZIP

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

OWNER

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME _____ LOT NO. _____

PROPERTY ADDRESS 10085 CENTURY DR ELLICOTT CITY MD 21042
STREET TOWN/POST OFFICE

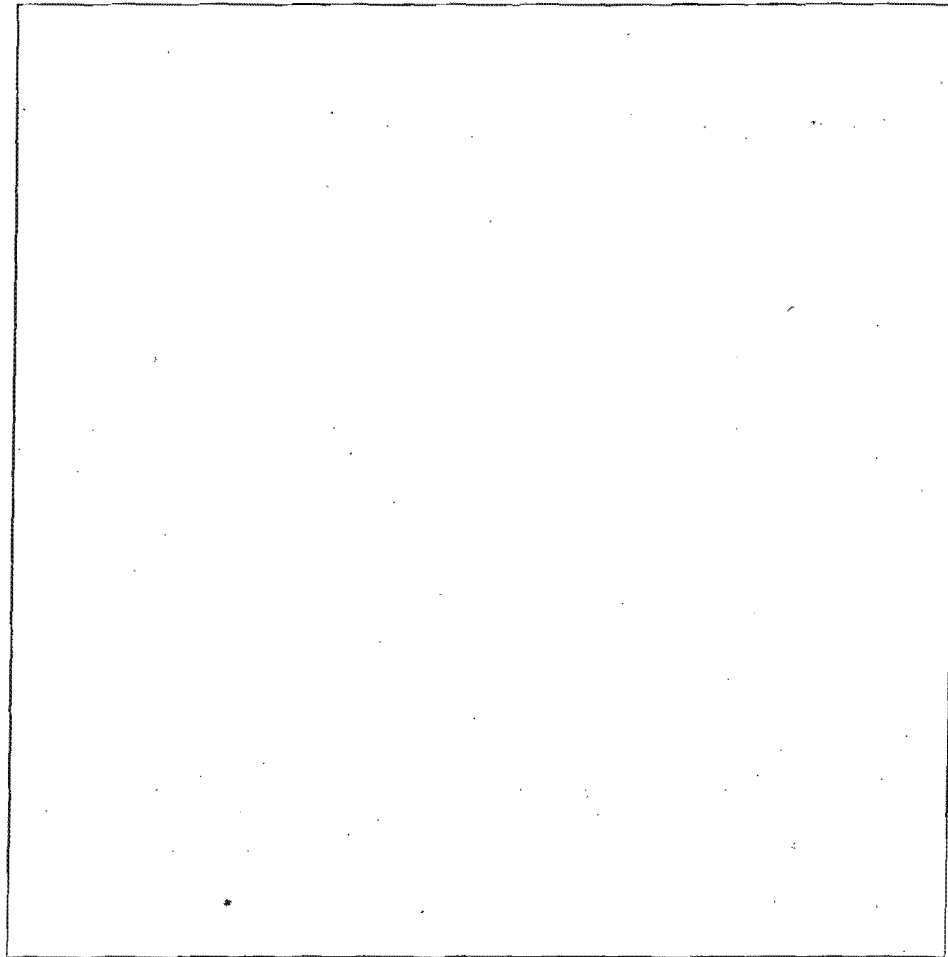
TAX MAP PAGE(S) 24 GRID 19 PARCEL(S) 1018 PROPOSED LOT SIZE 3.77 AC

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) 313-1771 FAX (410) 313-2648
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

A/P _____



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

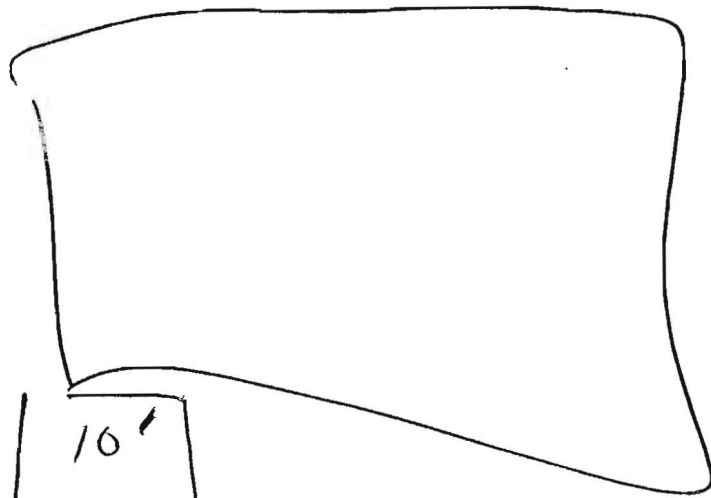
REMARKS _____

SANITARIAN _____ BACKHOE _____ OTHERS _____

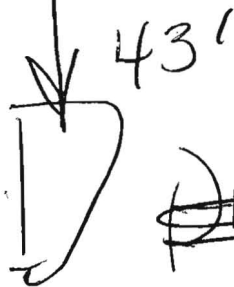
TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____

TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

Fine SL ~~2.5~~
 Silt Red
 Brown 2.5
 YR Brn
 Lt Grey Black
 Fine SL
 many Fines
 D/G Brn YR Wh
 Silt. ls. ~~1.5~~
 Gneiss
 Fine SL
 Many Fines 4.



10'

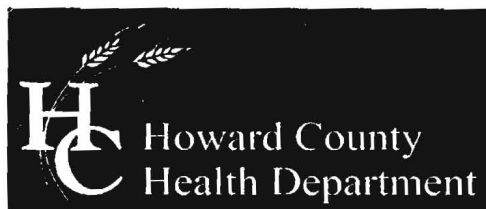


43'

Tank
~~Drywell~~



Drywell
64'



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

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

August 8, 2008


Gerald A. O'Donnell
10085 Century Drive
Ellicott City, Maryland 21042

RE: Tax Map 24, Parcel 1018
Perc Certification Plan, Building Permit # B008002206

Prior to building permit approval an approved Percolation Certification Plan is required for additions greater than 250 sq. ft. per Howard County Code 3.805. Due to the possible increase in the number of bedrooms, a septic system upgrade **may** be required. In order to proceed with an upgrade, I have enclosed an application for percolation testing which must be submitted to this office along with a Percolation Certification Plan and a \$506 fee.

Further review is contingent upon submission of a Percolation Certification Plan showing the following:

- Show the exact location of existing wells on property, neighboring wells, septic easements, septic reserve areas, and other septic system components such as septic tank, dry wells and distribution boxes.
- Show well tag numbers for existing wells.
- Send a floor plan of proposed addition and existing house.
- Show legend which includes symbols for wells, easement, passed perc holes, etc....
- A Health Officer's signature block stating, **"Approved for private water and private sewer systems."**
- General notes on perc certification plan must include the following statements:
 1. **"Any changes to a private sewage easement shall require a revised perc certification plan."**

2.  This area designates a private sewerage easement of at least 10,000 square feet as required by the Maryland State Department of the Environment for individual sewerage disposal. Improvements of any nature in this area are restricted until public sewerage is available. These easements shall become null and void upon connection to a public sewerage system. The county health officer shall have the authority to grant adjustments to the private sewerage easement. Recordation of a modified sewerage easement shall not be necessary.
3. Any changes to a private sewerage easement shall require a revised per certification plan.
4. Topography shown is field run or verified by (State the name of surveyor or engineer) on (State the date).
5. Existing well and /or sewerage easements within 100 feet of the property have been shown from the best available information.
6. The purpose of this Percolation Certification Plan is to establish a septic easement in support of a building permit application for adding a 12X18 (2) two story addition to the existing dwelling in 2008.

I hope these comments are helpful in preparing your plan. Your building permit will be placed "on hold" until all Health Dept. requirements are met. If you have any questions or correspondence, I can be reached at the above address or by telephone at (410) 313-2775.

Respectfully,

Dana L. Bernard

Dana L. Bernard, Environmental Sanitarian
Bureau of Environmental Health,
Well and Septic Program
Phone (410) 313-2775
Fax (410) 313-2648
E-mail: DBernard@howardcountymd.gov

DLB

Enclosures

cc: Well & Septic program file



Howard County
Health Department

7178 Columbia Gateway Drive, Columbia MD
21046

(410) 313-2640 Fax (410) 313-2648

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Website: www.hchealth.org

FAX

To:	M.A.F. & Associates, LLC 526 Woodbine, Maryland 21797	From:	Dana Bernard
Fax:	(410) 552-5546	Pages:	3
Phone:	(410) 552-5541	Date:	9/5/2008
Re:	10085 Century Drive Ellicott City, 21042	cc:	

Comments:

I have attached the results of Gerald O'Donnell's Perc information. This information will be needed to complete the Perc Certification Plan. I have also included a list of required setbacks. If you have any questions or correspondence, I can be reached at the above address or by telephone at (410) 313-2775. If needed, we can schedule a meeting to expedite this process.

Thanks,

Dana Bernard

Dana Bernard, Sanitarian
Bureau of Environmental Health
Well and Septic Program
Phone (410) 313-2775
Fax (410) 313-2648
E-mail: DBernard@howardcountymd.gov



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

August 5, 2008

RE: **Percolation Test Results**

Purpose: Establish Septic Reserved Area
Property ID: 10085 Century Drive
Ellicott City, Maryland 21738
Tax Map: 24, Parcel #1018

Dear Mr. Gerald O' Donnell:

Percolation testing was recently conducted September 4, 2008 on the above referenced property, in an effort to establish sufficient septic reserve area.

Results indicate satisfactory soil conditions for onsite wastewater disposal and adequate septic reserve area to support the proposed number of bedrooms for a single family dwelling.

A total of 5 test holes were dug. Field data collected is shown on the Percolation Test Worksheets enclosed with this letter. A functional existing septic system was discovered in front of the house with no reserve area available for repairs. A new reserve area with 2 repairs was established on the lot behind the barn foundation. Acceptable ranges for recommended inlet and trench bottom depth, and usable sidewall are indicated, and may be confirmed at the time of installation.

The next step in this process is to have your engineering consultant submit a Percolation Certification Plan. If you have any questions regarding this evaluation or requirements for the Percolation Certification Plan, please contact me at the above address or by telephone at (410) 313-2775.

Respectfully,

Dana L. Bernard

Dana L. Bernard, Sanitarian

Bureau of Environmental Health

Well and Septic Program

Phone (410) 313-2775

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DLB

Enclosure

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Dana L. Bernard

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MAF & Associates, LLC

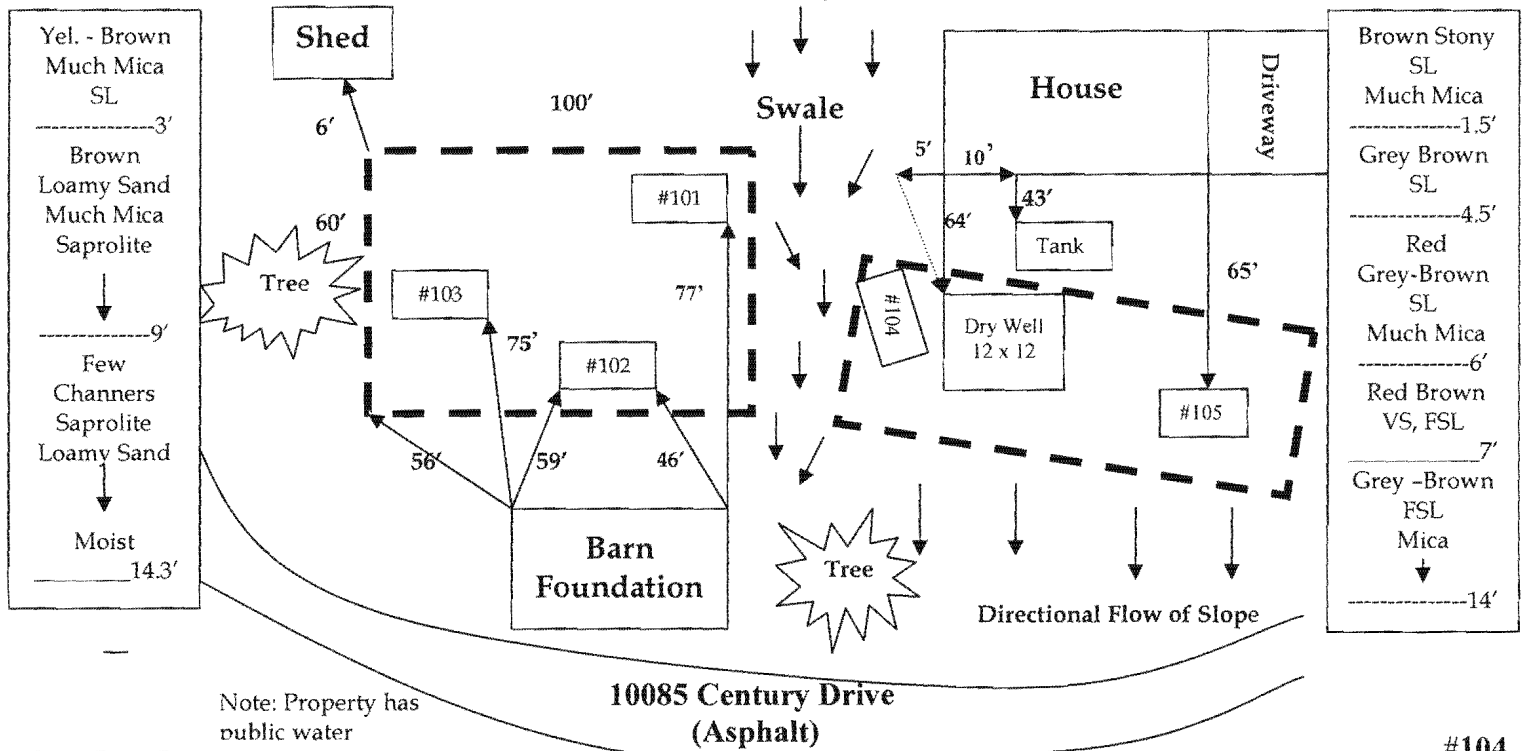
A/P# A529535

Perc Information - O'Donnell

#101

Steep-----Steep

#102



103

Red - Brown SL
Much Mica
-----2'
Red-Brown SL
-----6'
Grey-Brown SL
5% Rock
-----9'
Light-Brown Loamy Sand
10% Rock
-----14'

#105

Red - Brown Fine Silt SL
-----2.5'
Y.R, Brn Lt. Gy Black, FSL
Many Mica
-----3.5'
Red Brown SL
-----10.5'
Dk Grey Brn Yellow, White Saprolite, FSL
Mica, Gneiss
-----14'

Not to Scale

Date	Test #	Depth	Start	Break Stop 1" Drop	Break Stop 2" Drop	Time of 2nd Inch	P/F/H
9-4 2008	101	4.5' / 14'	9:41	9:44	9:50	6 min.	Pass
9-4 2008	102	5' / 14'	10:09	10:32+	> 21 Minutes Reshelf		
	102	8' / 14'	10:46	10:54:30	11:04	9.5 min.	Pass
9-4 2008	103	4' / 13.9	10:31	10:47	11:15	28 min.	Pass
9-4 2008	104	Visual Observation (14' to Drywell Center, Good to 16')					Pass
9-4 2008	105	6.3' / 14'	12:26	12:32	12:41	9 min.	Pass

#104

Brn SL, 2 fsbk
-----1'
Red-Brn. SL
Heavy, Dense
-----3'
Light Red Brown SL
-----4'
Lt Red Yellow CLS, Much Mica
-----8'
Dk. Brn LS w/white SL Inclusions
-----13.5'
Lt Gry Brn SL
Few Stones
-----Moist 16'

Remarks: Dry well is 12' x 12'; Inlet 4.5'; Depth is 12' Locate Dry well & Septic Tank on plan.

Sanitarian DB and RB Backhoe OthersTest Holes Used in SDA 5 Avg. Perc Time 13 min. SQ.FT/BR Trench Width Inlet Depth Max Bot.Depth Effective S/W

'MDE SEWAGE EASEMENT STATEMENT'

THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A REVISED EASEMENT SHALL NOT BE NECESSARY.

PURPOSE NOTE:

THE PURPOSE OF THIS PERCOLATION CERTIFICATION PLAN IS TO ESTABLISH A SEPTIC EASEMENT IN SUPPORT OF A BUILDING PERMIT APPLICATION FOR ADDING A 12'X18' (2) TWO STORY ADDITION TO THE EXISTING DWELLING IN 2008.

TOPOGRAPHY NOTE:

THE TOPOGRAPHY SHOWN ON THIS PLAN WAS TAKEN FROM EXISTING APPROVED DRAWING ON FILE WITH THE HOWARD COUNTY BUREAU OF ENVIRONMENTAL HEALTH.

NOTE:

THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT.

BOUNDARY AND LOCATION NOTE:

THE LOT BOUNDARY IS TAKEN FROM A LOCATION SURVEY SUBMITTED TO THE HEALTH DEPARTMENT ON 3/23/71. THE HOUSE AND SEPTIC AREA LOCATION ARE TAKEN FROM THE PREVIOUSLY APPROVED SITE DEVELOPMENT PLAN.

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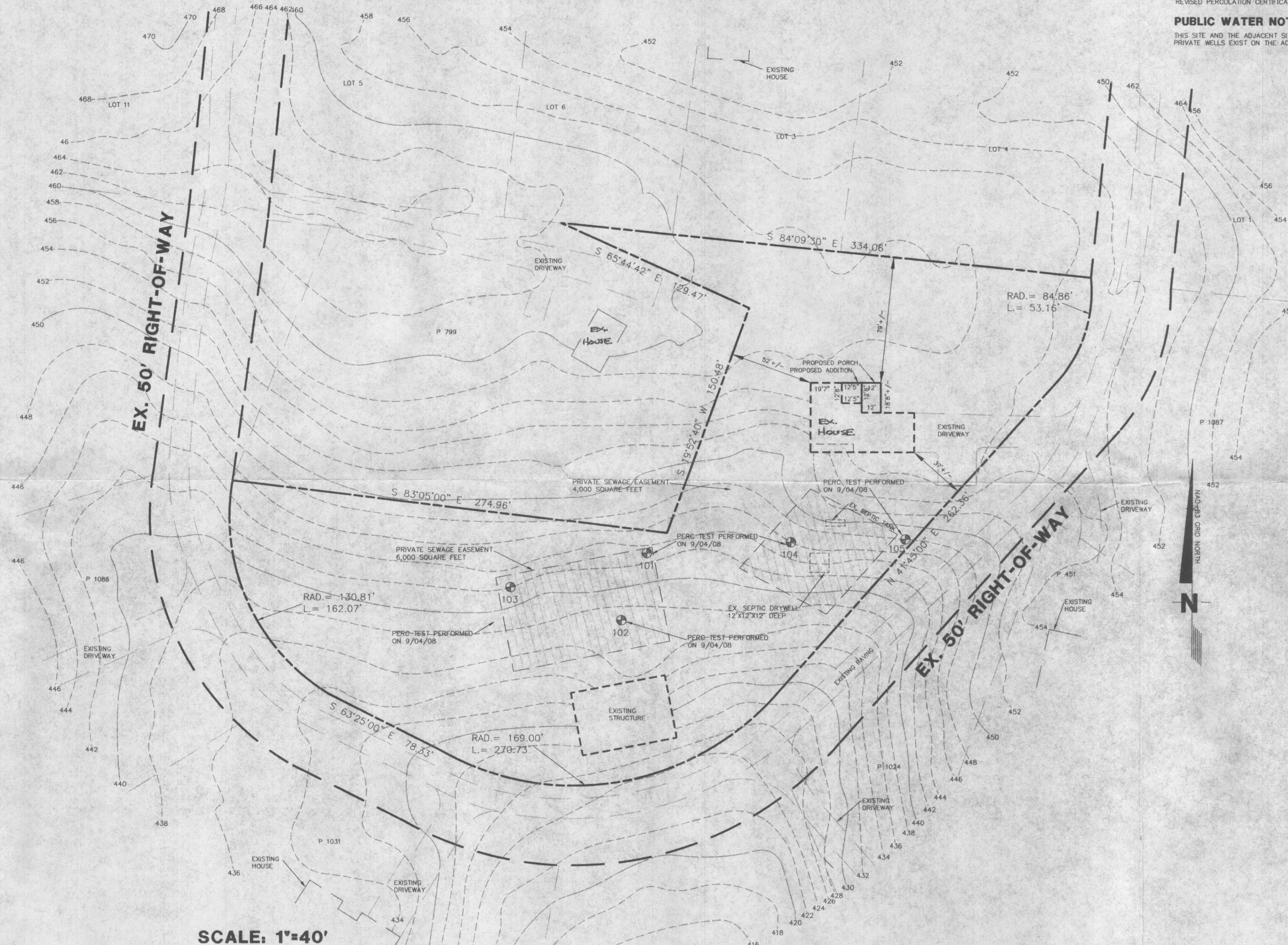
PUBLIC WATER NOTE:

THIS SITE AND THE ADJACENT SITE ALL HAVE PUBLIC WATER. NO PRIVATE WELLS EXIST ON THE ADJACENT PROPERTIES.



VICINITY MAP

SCALE: 1" = 2,000'
ADC MAP: 11, GRID: G12
Copyright ADC The Map People
Permitted Use Number 20711191



SCALE: 1"=40'

LEGEND

- 20 Existing Grade
- 20 Proposed Grade
- LOD Limit of Disturbance
- RSF Reinforced Silt Fence
- Stabilized Construction Entrance
- Temporary Stockpile Area
- PRIVATE SEPTIC EASEMENT

4 PASSING PERCOLATION TEST HOLE LOCATION

"Approval for public water and private sewerage systems"

Brian P. Bilek 10/3/2008
Health Officer Date

**M.A.F. &
ASSOCIATES, LLC**

526 HOODS MILL ROAD
WOODBINE MD. 21797
PHONE: 410-552-5541
FAX: 410-552-5546



SHEET 1 of 1

PERC CERTIFICATION PLAN

Gerald A. & Marie G. O'Donnell
Parcel 1018
Single Family Addition

2nd DISTRICT ANNE ARUNDEL COUNTY, MARYLAND
SCALE: AS SHOWN SEPTEMBER, 2008
TAX MAP 24 BLOCK 19 PARCEL 1018
BUILDING PERMIT NO.: B008002206
ZIPCODE: 21042

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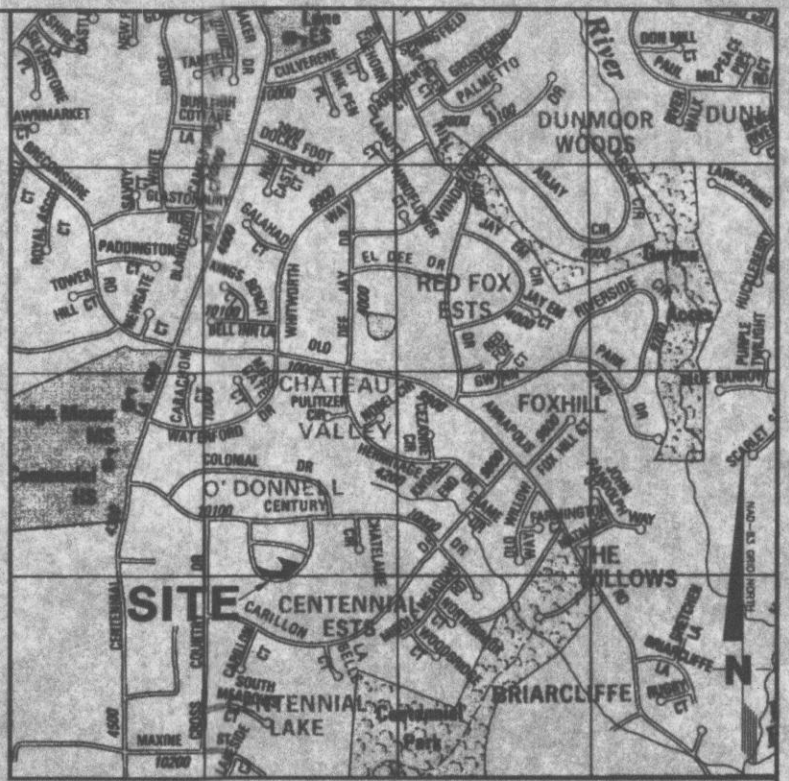
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