



Howard County
Health Department

APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

Wet Season

TEST DATE(S) _____ TEST TIME _____

AP 530952
DATE 4/2/09

AGENCY REVIEW: _____

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) SPIEGEL

DAYTIME PHONE 410-456-0665 CELL _____ FAX _____

MAILING ADDRESS 15031 Bushy Park Rd Woodbine MD 21797
STREET CITY/TOWN STATE ZIP

APPLICANT Annmarie Crafton

DAYTIME PHONE 443-745-7512 CELL 443-745-7512 FAX _____

MAILING ADDRESS 15024 Kenwood Ct. Woodbine MD 21797
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME COUNTRY SPRINGS LOT NO. 7

PROPERTY ADDRESS 15031 Bushy Park Rd. Woodbine MD 21797
STREET TOWN/POST OFFICE

AX 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.

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 _____



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

May 15, 2009

To: Mr. Arthur Crafton
Applicant

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

RE: 15031 Bushy Park Road, Percolation Test Results, A530952 (and A530967)

Dear Mr. Crafton,

Percolation testing was conducted on the referenced property on May 7, 2009. The purpose of conducting these tests was to re-establish and re-define area for a septic easement. This action is required for Health Department consideration of Building Permit Application (B09000679, for construction of an addition).

The septic easement area had previously been adjusted (without additional testing) to accommodate the house location. During installation of the septic system which currently serves the residence, a portion of the septic easement was found to have unsuitable soil properties. As a result, required distribution trench was located outside of the defined septic easement area. Prior to approval of the Building Permit Application, the septic easement area must be redefined to have at least 10,000 square feet of suitable soils.

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 GmB (Glenville silt loam, 3% to 8% slopes). Percolation Test Results indicate areas of soils' conditions that are both satisfactory and unsatisfactory for onsite wastewater disposal.

At the locations tested, the soil depth to seasonal water table was determined to be 11 feet. Locations #7 and #8 had moderately slow and moderate percolation rates, respectively. The primary limiting factor which occurred at test location #6 was very slow percolation rate throughout the soil profile.

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.

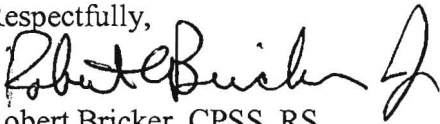
As the Health Department has installation documentation for the existing system, only the top of the gravel was exposed at location #5. The gravel at the top of the trench was clean and no odor was observed.

Area to be included in the revised septic easement is to include the current western portion of the easement, the top boundary being defined by regulated setbacks to LP tank, driveway, and structural foundation, and extending about 65 feet downhill to include the existing trench. The existing trenches are included in the revised easement. The area to be added angles from the existing trench to the (east) property line setback and then north to an approximate elevation contour common with the midway point between Failing test location #6 and Passing test location #7. The boundary of the easement would follow this contour to the setback of 20 feet from the house foundation and then join with the previously defined septic easement boundary.

The existing septic tank is located 27 feet from the foundation wall. You may submit a Request for Variance from the required setback of 20 feet from foundation to septic tank (to remain as the planned addition will extend to within 20 feet of the septic tank 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,

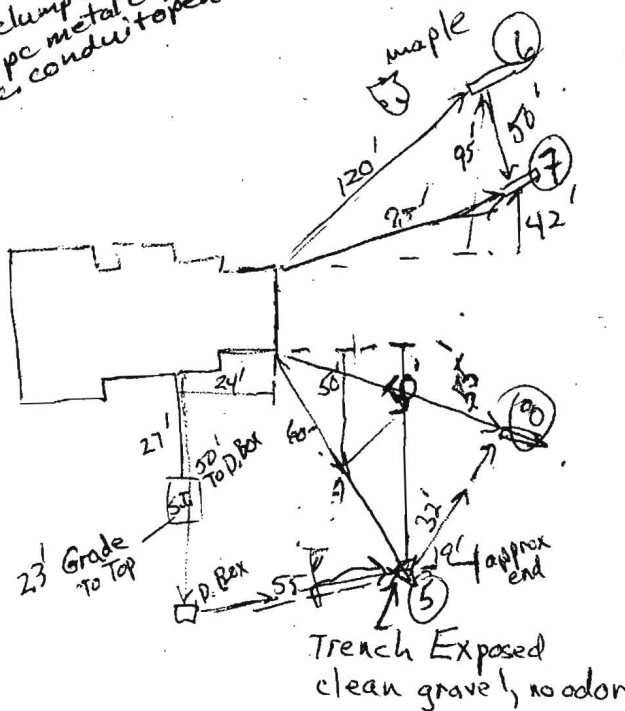
A handwritten signature in black ink, appearing to read "Robert Bricker". The signature is fluid and cursive, with a large, stylized "R" and "B".

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

Enclosure: field data sheet and site sketch

Copy: Greg and Tracey Spiegel, owners
File

HO-88-1386
 in clump of grass
 1-pc metal cap tight
 elec. conduit open



①
 ⑥ dk brn to brn
 loam few mica
 1.5' yel brn clay
 to bouldery cl
 at 3'
 5.5' brn vchsl
 little moisture
 7' red & tan
 chsl saprolite
 moist at 0.5'
 11' Hard Bottom Digging
 Red & Tan sl
 brittle, dense

⑦
 ⑧ dk brn loam
 2' gr to ssbk
 few mica
 1.5' yel-brn
 3.5' yel-brn
 by cl

⑤.5' red & tan chsl
 saprolite
 moisture increases
 11' red & tan
 & yellowing black
 moist
 12.5' red & tan
 & grey & black
 moist, weighty

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
5/7/09	8	6.5' / 11'	11:41	11:48	11:59	11	P
5/7/09	7	6.3' / 11'	12:04	12:15	12:38	18	P
5/7/09	6	6.5' / 11'	12:25	12:39	1:12	33 ⁺	F
5/7/09	6	6.2' / 11'	1:05	1:25	—	20 ⁺ 1st inch	F
reding same 8' hole							

REMARKS * Nov. 1988 perc describe ok to 13'; 3"-4" precip. last 5 days (5/2-5/6)
 moisture & weighty by 11' feet (5/7)
 sandy loam texture but more dense RB

SANITARIAN RB BACKHOE OTHERS

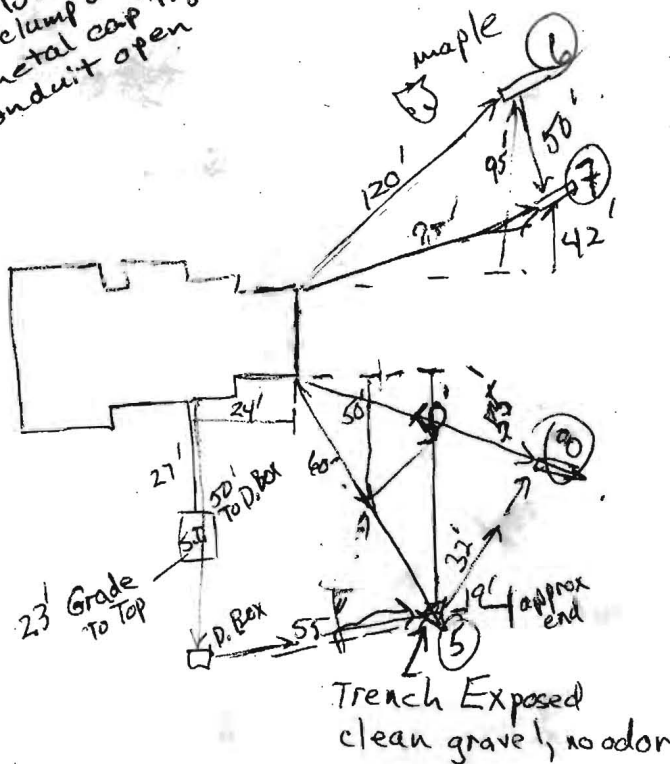
TEST HOLES USED IN SDA AVG. PERC TIME SQ. FT/BR

TRENCH WIDTH INLET DEPTH MAX. BOT DEPTH EFFECTIVE SW

①
 ⑥ dk brn to brn
 1.5' loam few mica
 yel brn clay
 to bouldery cl
 at 3' →
 5.5' brn vchsl
 little moisture
 7' red & tan
 chsl saprolite
 moist at 0.5'
 11' Hard Bottom
 Red & Tan sl
 brittle, dense

⑦ & ⑧ dk brn loam
 2' gr to 2' sbk
 few mica
 1.5' yel-brn c
 3.5' yel-brn
 by cl
 5.5' red & tan chsl
 saprolite
 moisture increases
 11' red & tan
 & yellow w/ black
 12.5' red & tan
 * grey & black
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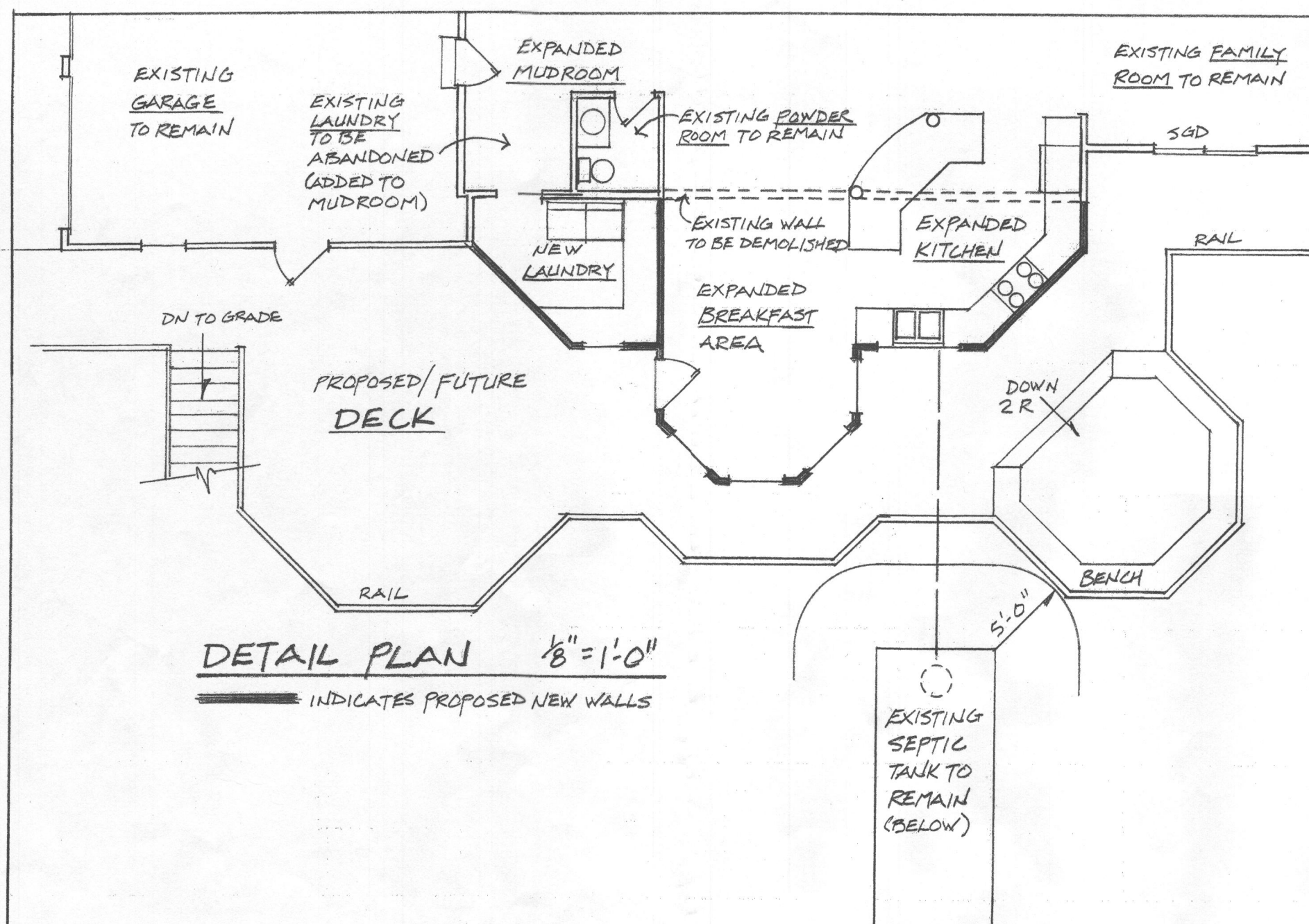
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TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____



NOTES

THE PURPOSE OF THIS PERCOLATION CERTIFICATION REVISION IS TO ADJUST THE SEPTIC RESERVE AREA ON THE SUBJECT PROPERTY TO INCLUDE ONLY SUITABLE AREA, AND IS IN RESPONSE TO A BUILDING PERMIT APPLICATION (B09000679) FOR EXTENSION OF THE KITCHEN AND TO INCLUDE A BREAKFAST NOOK.

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

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 AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A REVISED SEWAGE EASEMENT SHALL NOT BE NECESSARY.

ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN.

ALL REASONABLE EFFORTS WERE USED TO LOCATE AND SHOW ALL EXISTING WELLS, SEPTIC SYSTEMS AND SEWAGE DISPOSAL EASEMENTS WITHIN 100 FEET OF SUBJECT PROPERTY BOUNDARIES.

TOPOGRAPHY IS AS PRESENTED ON ORIGINAL SITE PLAN (ENGINEER UNKNOWN, AUGUST 10, 1995) AND IS VERIFIED TO ACCURATELY REPRESENT THE RELATIVE ELEVATION CHANGES ON AND NEAR THE SUBJECT PROPERTY.

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

SIGNATURE *[Signature]*

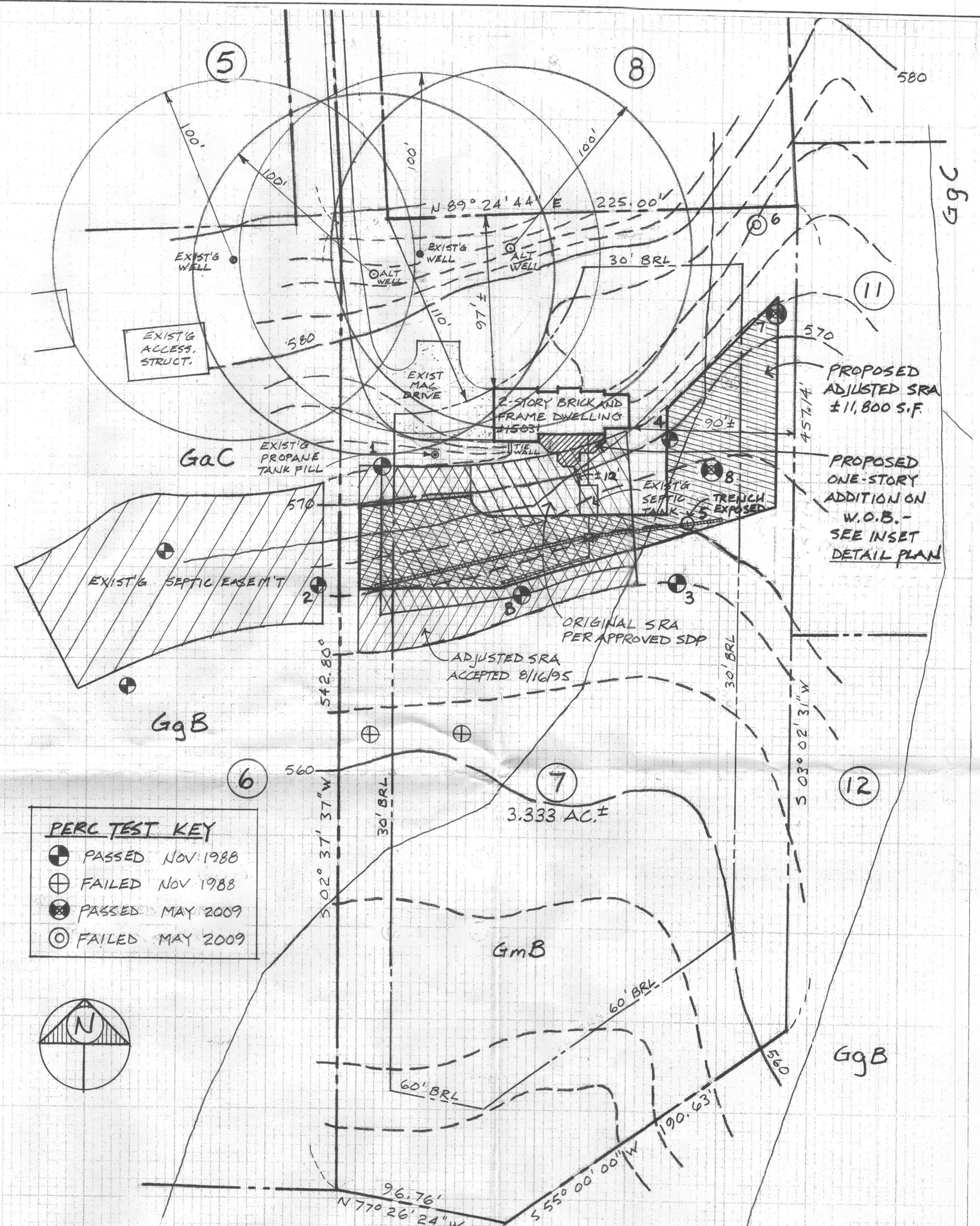
DATE 06/24/09

OWNERS: GREG AND TRACI SPIEGEL
15031 BUSHY PARK ROAD
WOODBINE, MD 21797

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.

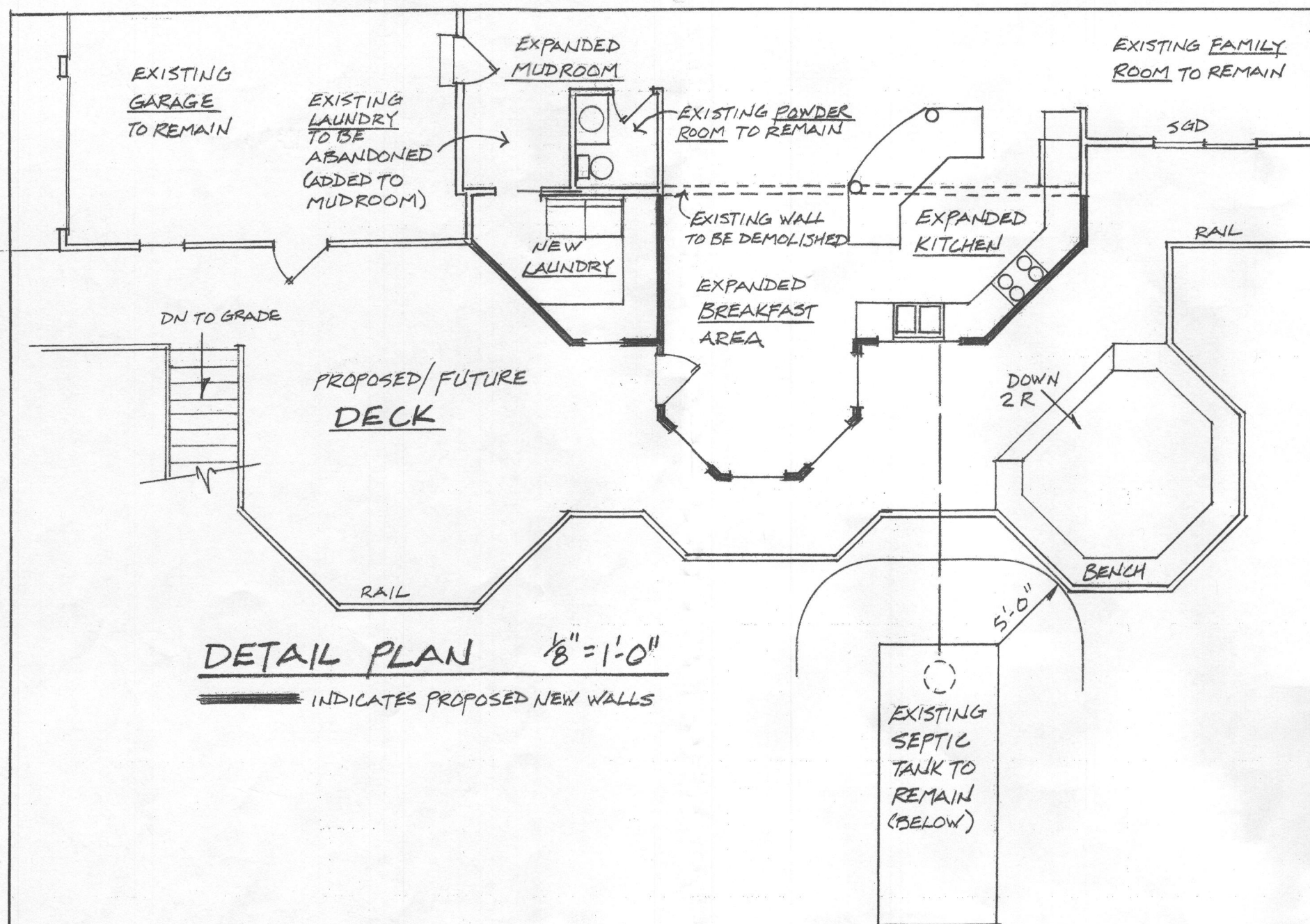
SIGNATURE *[Signature]*
DEPARTMENT OF ENVIRONMENTAL HEALTH

DATE 6/30/09



WOODBINE, HOWARD COUNTY, MD 21797
LOT #7 "COUNTRY SPRINGS" LOTS 1-42
(A RESUBDIVISION OF LOTS 3&4, RIPPEON PROPERTY)
ZONING: R FLOOD ZONE: C ELECTION DIST: A
TAX MAP 14 PARCEL 12 PLAT #9648

BASED ON: A LOCATION SURVEY BY HICKS ENGINEERING ASSOCIATES, INC. DATED 5/7/07
AN APPROVED SUBDIVISION PLAT BY FISHER, COLLINS & CARTER INC. DATED 10/09/90
SEPTIC, SOILS, PERCOLATION & TOPOGRAPHIC INFORMATION PROVIDED BY HOWARD COUNTY, MD



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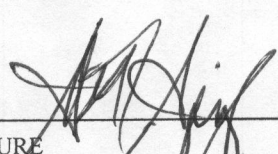
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 15031 BUSHY PARK ROAD
 WOODBINE, MD 21797

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.

SIGNATURE  DATE 6/30/09
 DEPARTMENT OF ENVIRONMENTAL HEALTH MB

