

Bureau of Environmental Health
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Peter L. Beilenson, M.D., M.P.H., Health Officer

May 24, 2012

TO: John Carney, PE
jcarney@bei-civilengineering.com

FROM: Robert C. Bricker, REHS/R.S.
Bureau of Environmental Health
Well and Septic Program

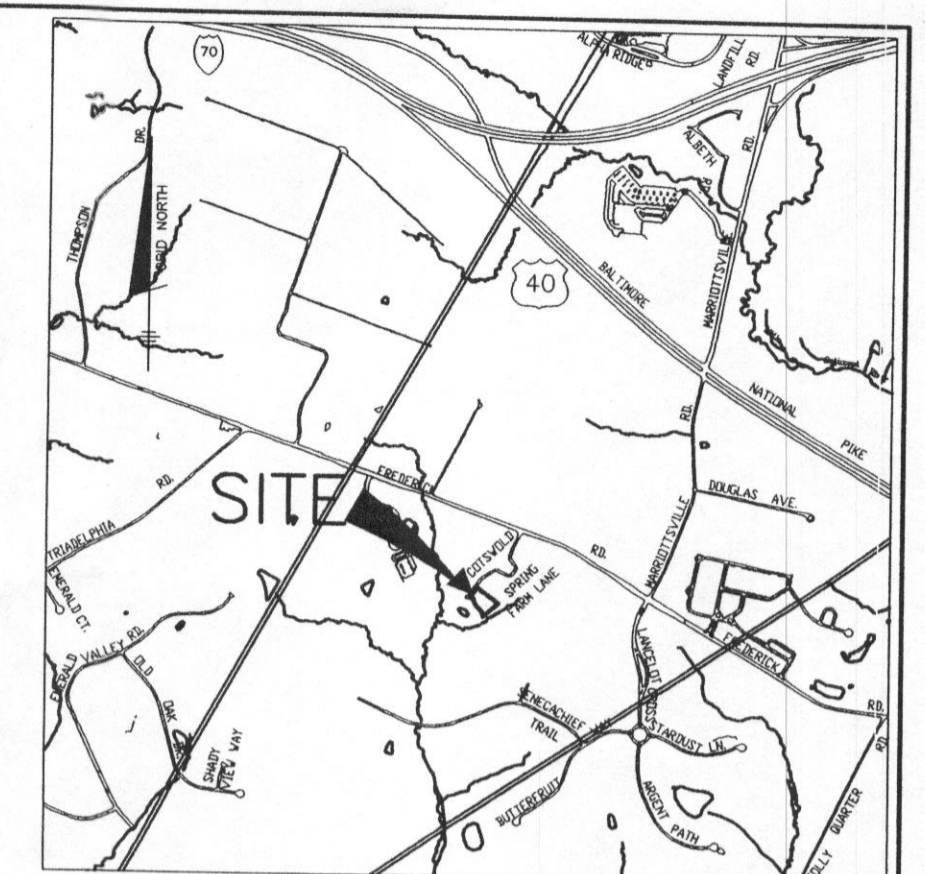
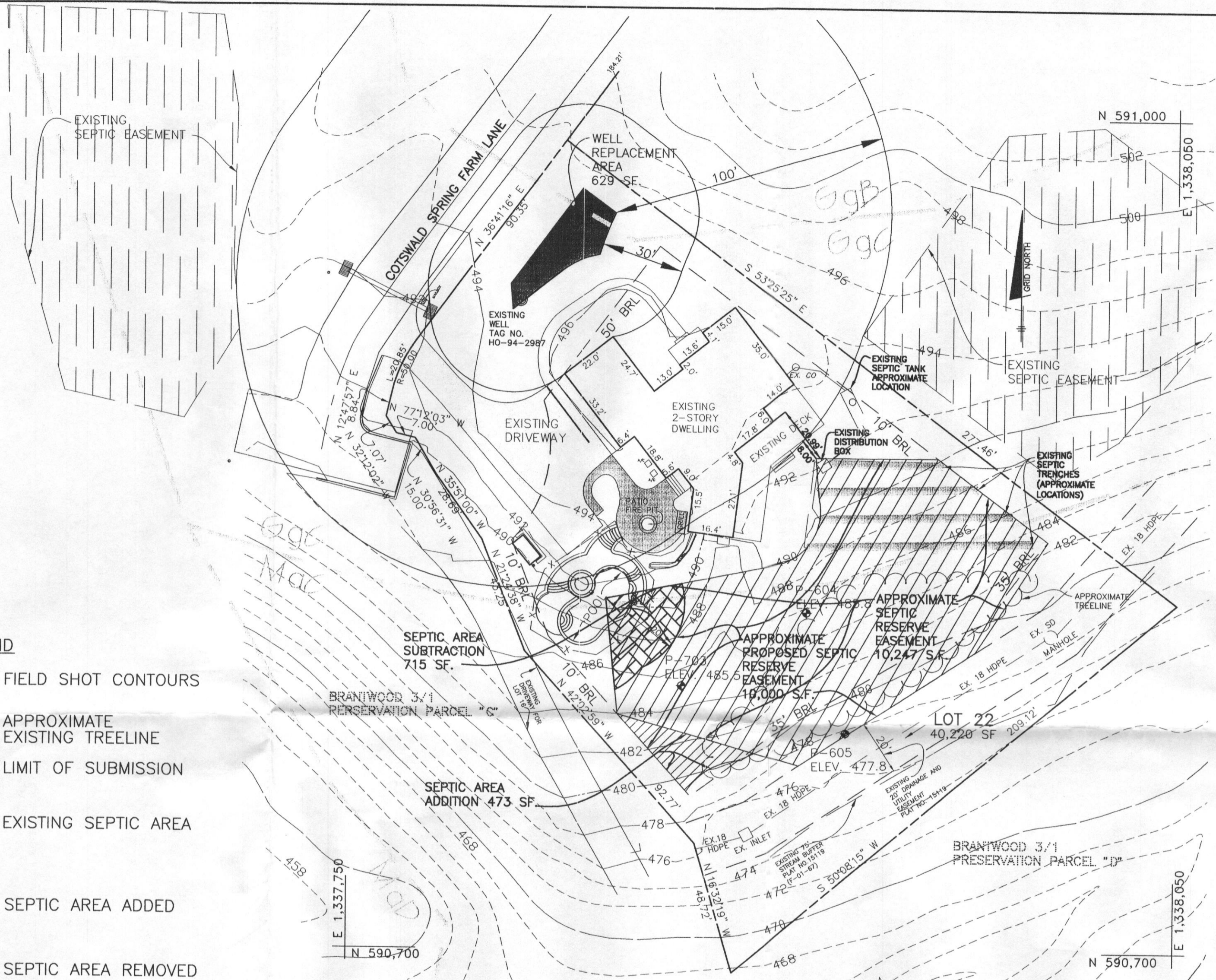
RE: Brantwood, Section 3, Area 2 Lot 22; 11351 Cotswald Spring Farm Lane_perc cert
revision comment

The following corrections, deletions or additions are required for further consideration of the proposed development.

- 1) Neither 'Replacement well' location meets code requirement; Replacement Well #1 is within 15 feet of the public R-O-W, and Replacement Well # 2 is within 10 feet of the property line. Also there is not 50-foot spacing between the discrete well locations. I suggest utilizing a wellbox that meets setback requirements to septic reserves and septic tanks, the house, the public R-O-W, and the property line. The area of the wellbox will not be 1500 sq.ft..
- 2) In the LEGEND;
 - a. Correct the symbol for 'Proposed Septic Area' so that the lines are oriented in the same relative direction as the lines on the drawing.
 - b. Add an entry for 'Septic Area Removed', with the symbol shown on the drawing.
 - c. Add an entry for wellbox, if you choose to implement such an area.

If you have any questions concerning the above issues, you may contact me by email or by phone, 410-313-2691.

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ADC MAP 4814 GRID E-4
VICINITY MAP
 SCALE: 1" = 2000'

GENERAL NOTES

- 1.) THE LOT SHOWN HEREON IS BASED ON RECORDED PLAT NO. 15119 AND COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- 2.) THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF AT LEAST 10,000 S.F. 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 SEWER IS AVAILABLE. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWER SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT PLAT SHALL NOT BE REQUIRED.
- 3.) THE EXISTING SEPTIC TRENCHES SHOWN WERE TAKEN FROM THE HEALTH DEPARTMENT SEPTIC PERMIT RECORDS. LOCATIONS ARE APPROXIMATE.
- 4.) TOPOGRAPHY SHOWN IS A COMBINATION OF HOWARD COUNTY GIS AND FIELD SHOT TOPOGRAPHY. THE FIELD SHOT TOPOGRAPHY WAS DONE BY BENCHMARK ENGINEERING INC. ON APRIL 26, 2012 AND IS LIMITED TO THE VICINITY OF THE PROPOSED POOL AREA AND THE LOCATION OF THE EXISTING HOUSE.
- 5.) TO THE BEST OF OUR KNOWLEDGE ANY EXISTING WELLS OR SEPTIC SYSTEMS WITHIN 100' OF THIS PROJECT'S BOUNDARY ARE SHOWN.
- 6.) EXISTING PERCOLATION HOLES SHOWN WERE TAKEN FROM THE APPROVED PLOT PLAN USED TO BUILD THE HOUSE AND THEREFORE ARE APPROXIMATE.
- 7.) THE PURPOSE OF THIS REVISED PERCOLATION PLAN IS TO SHOW THE REPLACEMENT WELLS, SWIMMING POOL AND THE RELOCATION OF 473 SF. OF SEPTIC EASEMENT AREA TO ALLOW FOR THE POOL CONSTRUCTION.
- 8.) THE EXISTING WELL, TAG NO. HO-94-2987, HAS BEEN FIELD LOCATED BY BENCHMARK ENGINEERING INC. ON APRIL 26, 2012 AND IS ACCURATELY SHOWN.
- 9.) ANY REVISION TO THE WELLS OR SEPTIC RESERVE AREA WILL REQUIRE A REVISED PERCOLATION PLAN.

LEGEND

- FIELD SHOT CONTOURS
- APPROXIMATE EXISTING TREELINE
- LIMIT OF SUBMISSION
- EXISTING SEPTIC AREA
- SEPTIC AREA ADDED
- SEPTIC AREA REMOVED
- WELL BOX
- EXISTING STRUCTURE
- EXISTING PASSED TEST LOCATION
- SOILS DELINEATION

PLAN
 SCALE: 1" = 30'

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 KNOWLEDGE AND BELIEF.
John M. Carney 5/29/12
 JOHN M. CARNEY FOR BENCHMARK ENGINEERING INC.
 PLAN PREPARER

SOILS CHART - SCIL SURVEY HOWARD COUNTY, MARYLAND				
SYMBOL	HYDRIC	HYDROLOGIC GROUP	ALTERNATE GROUP	NAME
GgB		B		GLENELG LOAM, 3 TO 8 PERCENT SLOPES
GgC		B		GLENELG LOAM, 8 TO 15 PERCENT SLOPES
MaC		B		MANOR LOAM, 8 TO 15 PERCENT SLOPES
MaD		B		MANOR LOAM, 15 TO 25 PERCENT SLOPES

BENCHMARK
 ENGINEERS ▲ LAND SURVEYORS ▲ PLANNERS
ENGINEERING, INC.

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 ELLICOTT CITY, MARYLAND 21043
 phone: 410-465-6105 ▲ fax: 410-465-6644
 www.bei-civilengineering.com

OWNER: DARREN BUCHWALD 11351 COTSWOLD SPRING FARM LANE ELLICOTT CITY, MARYLAND 21042	PROJECT: BRANTWOOD SECTION 3 AREA 2 LOT 22 BUCHWALD RESIDENCE 11351 COTSWOLD SPRING FARM LANE
LOCATION: TAX MAP: 16 PARCELS: 45 & 205 GRID: 21 ZONED: RC ELECTION DISTRICT NO. 3 HOWARD COUNTY, MARYLAND	TITLE: REVISED PERCOLATION CERTIFICATION PLAN
DESIGN: JMC DRAFT: EDD CHECK: JMC	DATE: MAY, 2012 PROJECT NO. 2486 SCALE: AS SHOWN SHEET 1 OF 1

APPROVED FOR PRIVATE WATER AND SEWERAGE SYSTEM
 HOWARD COUNTY HEALTH DEPARTMENT

Brandon Peter Brileuson 6/5/2012
 HOWARD COUNTY HEALTH OFFICER DATE
RB