



Office of the Health Officer  
8930 Stanford Blvd., Columbia, MD 21045  
Main: 410-313-6300 | Fax: 410-313-6303  
TDD 410-313-2323 | Toll Free 1-866-313-6300  
[www.hchealth.org](http://www.hchealth.org)  
Facebook: [www.facebook.com/hocohealth](https://www.facebook.com/hocohealth)  
Twitter: HowardCoHealthDep

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

TO: Carl Hudgins  
NTT Associates, Inc.  
Via e-mail: [carl@nttsurveyors.com](mailto:carl@nttsurveyors.com)

FROM: Dana Bernard, REHS/RS  
Well and Septic Program  
Development Coordination Section

RE: 12120 Carroll Mill Road  
Percolation Certification Plan

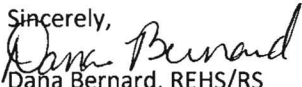
DATE: February 5, 2014

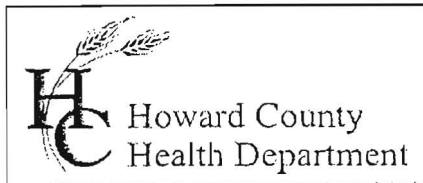
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The following comments apply to the plan prepared by NTT Associates, Inc. Applicant is advised to revise and resubmit.

- ✚ The following note must be added to the general notes: Additional percolation test holes may be required at the time of septic system installation.
- ✚ The purposed statement must include the reason why you are revising your percolation certification plan. (For example: The purpose of this plan is to reestablish the private sewage area for an addition or a pool.)
- ✚ If you are redesigning your sewage area for an addition or a pool, show your addition or pool to help move the application process a little faster during the permitting stage.

Please keep in mind if you are redesigning your septic area for an addition you will be required to use "The Best Available Technology", relocate the tank and drain field. You will also be required to upgrade your system because the existing trenches cannot accommodate additional bedrooms. If you have any questions or correspondence, I can be reached at the above address or by telephone at (410) 313-2775.

Sincerely,  
  
Dana Bernard, REHS/RS  
Environmental Specialist II  
Bureau of Environmental Health,  
Well and Septic Program  
Phone (410) 313-2775  
Fax (410) 313-2648  
E-mail: [DBernard@howardcountymd.gov](mailto:DBernard@howardcountymd.gov)



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 12120 Carroll Mill Rd  
STREET TOWN ZIP

TAX ACCOUNT # \_\_\_\_\_ TAX MAP 23 GRID \_\_\_\_\_ PARCEL 89 ZONING DESIGNATION \_\_\_\_\_

PROPERTY OWNER(S) Kevin & Hayley Becraft

DAYTIME PHONE 443-370-2588 CELL 443-370-2588 EMAIL Kcbecraft@comcast.net

MAILING ADDRESS 12120 Carroll Mill Rd Ellicott City MD 21042  
STREET CITY, STATE ZIP

APPLICANT Kevin Becraft RELATIONSHIP TO OWNER: Owner

DAYTIME PHONE 443-370-2588 CELL \_\_\_\_\_ EMAIL Kcbecraft@comcast.net

MAILING ADDRESS 12120 Carroll Mill Rd Ellicott City MD 21042  
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.

SIGNATURE OF APPLICANT

10/16/15

DATE

AP# 545167

# HOWARD COUNTY PERC TEST REPORT

Lot # \_\_\_\_\_

Hole # A

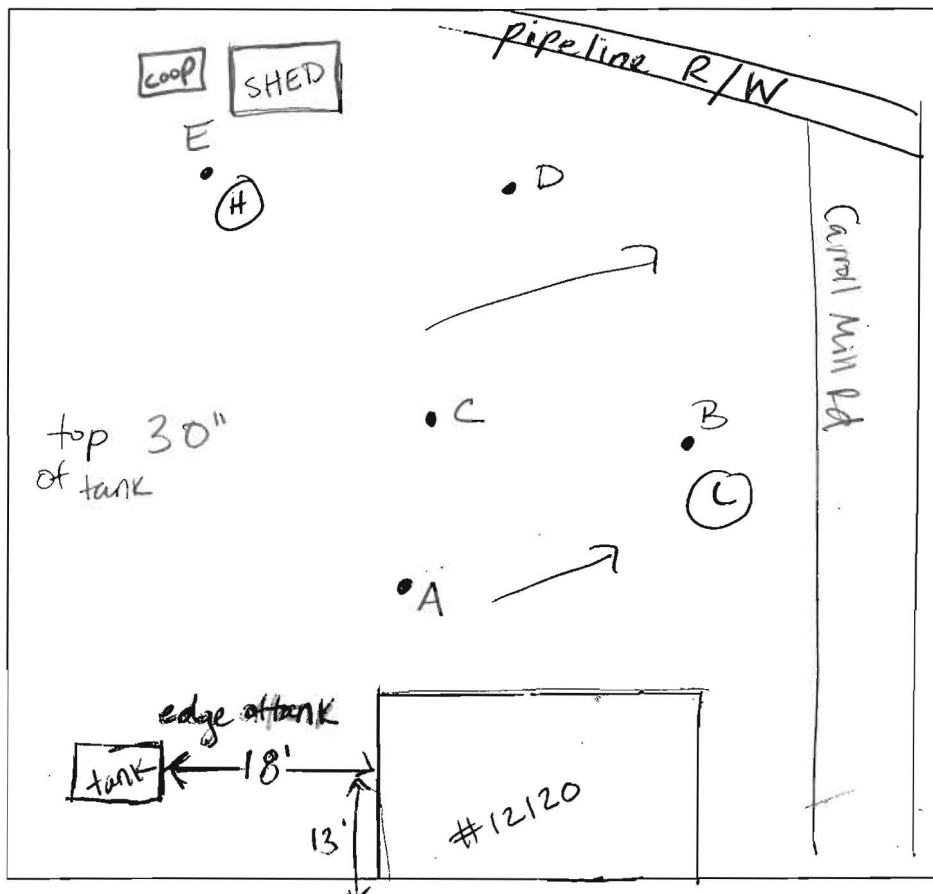
6" c1 brn  
yellow reddish  
c1 /  
fill material  
garbage to  
~ 5.5'  
6' yellow fs  
saprolite  
9' beige  
fs  
10' beige  
ls  
12'

Hole # B

6" brn l  
org brn  
scl lfsbk  
3' brn sl  
many  
mica  
6' brn fs  
8' brn micaceous  
fs  
11'3" water

Hole # C

3.5' brn scl  
lmsbk  
6' yellow  
brn  
sl  
7' brn  
fs  
9' brn fs  
saprolite  
12' dk brn ls  
20% stones  
dry



Hole # D

8" brn l  
org brn  
scl lfsbk  
3' yellow  
brn sl  
6.5' yellow  
fs saprolite  
micaceous  
brn ls  
11' water

Hole # E

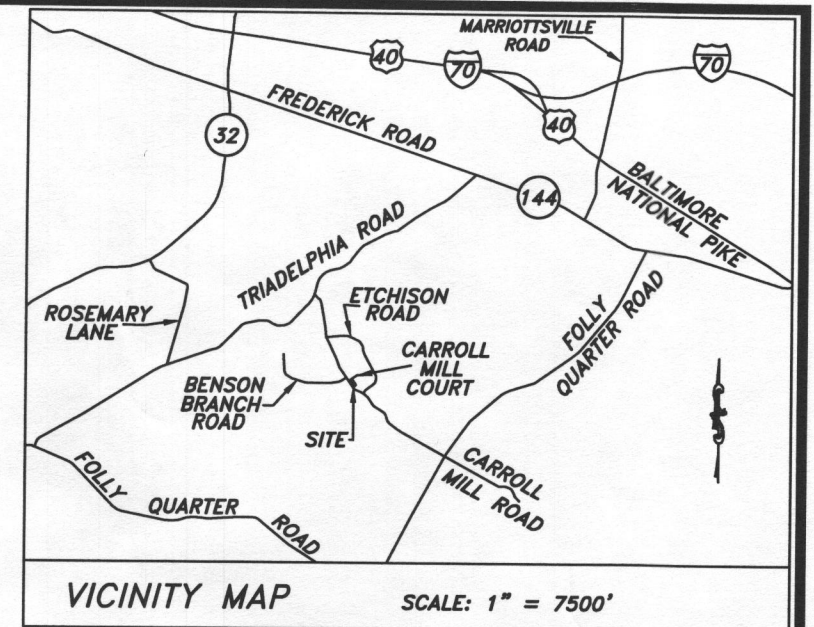
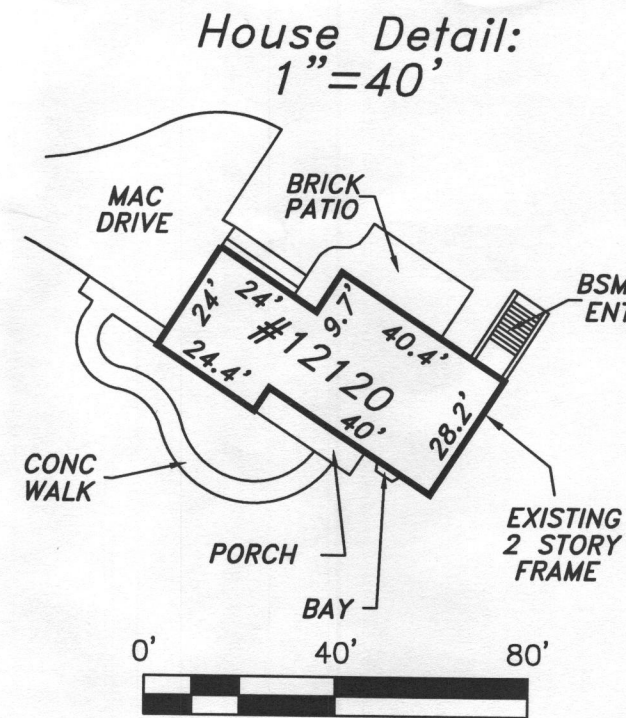
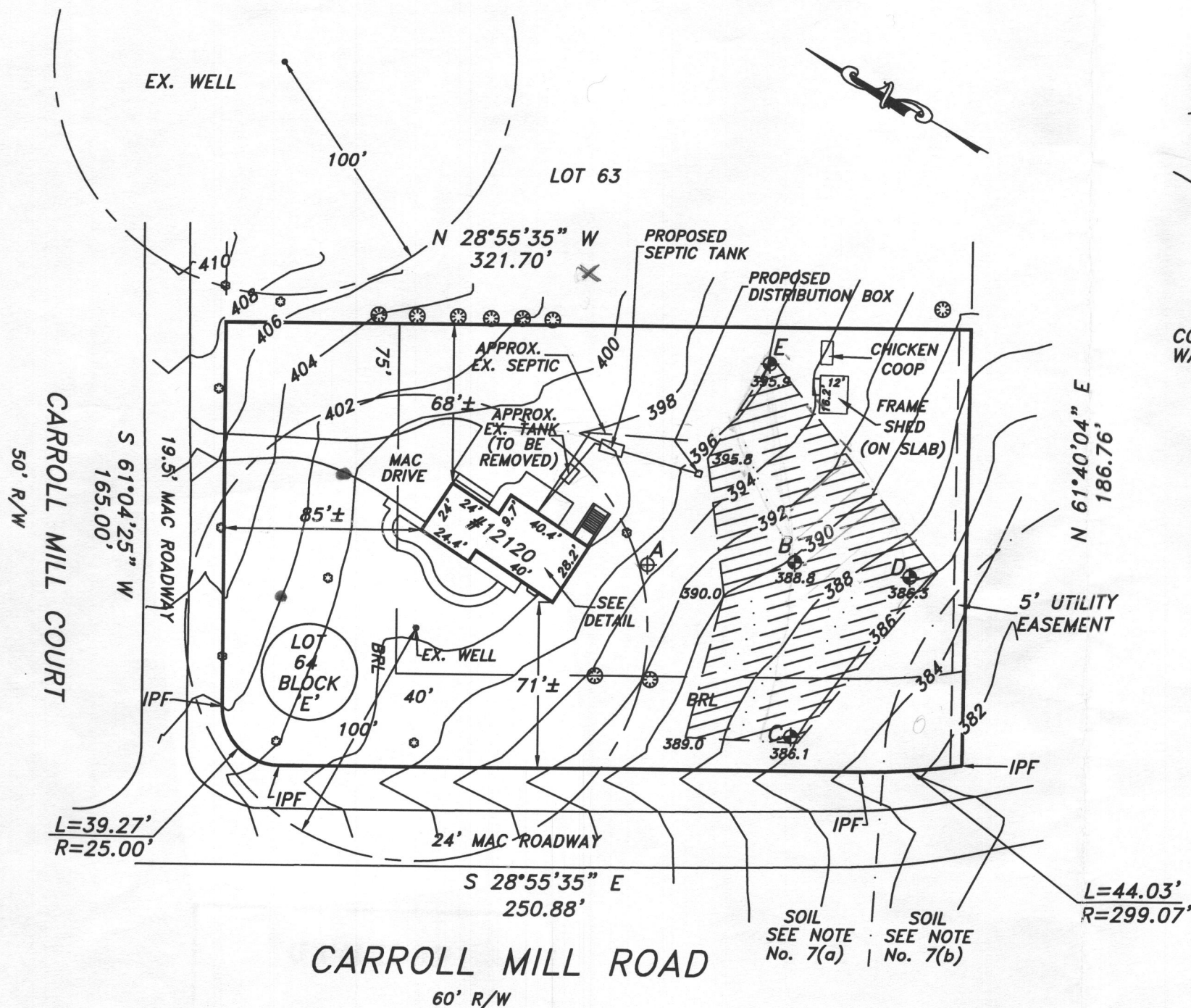
brn l  
yellow  
scl lfsbk  
4' brn sl  
6' brn fs  
micaceous  
saprolite  
10' brn micaceous  
v fs  
12'

Hole #

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
11-21-13	A	3'8" / 12'	11:07	NO movement			F
11-21-13	B	12'	VISUAL				P
11-21-13	C	12'	VISUAL				P
11-21-13	D	4'8" / 11'	11:01	11:03	11:05	2	P
11-21-13	E	4.5' / 12'	10:53	10:59	11:10	11	P

REMARKS holes dug per stakes 30" to top of tank  
 SANITARIAN HS BACKHOE Winkler  
 OTHERS homeowner SQ. FT/BR  
 TEST HOLES USED IN SDA 5 AVG PERC TIME 6.5  
 TRENCH WIDTH 3' INLET DEPTH 3'-4'  
 MAX BOT DEPTH 6' EFFECTIVE SDW 1.5'-2'





### GENERAL NOTES:

- THIS AREA DESIGNATES A PRIVATE SEWAGE DISPOSAL AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED. THIS SEWAGE DISPOSAL AREA 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 DISPOSAL AREA.
- SUBJECT LOT WAS CREATED IN 1968.
- EXISTING SEPTIC SYSTEM WAS APPROXIMATELY LOCATED FROM HEALTH DEPARTMENT DRAWINGS ONLY.
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- SOIL TYPE BOUNDARY LINE SCALED FROM MAP OBTAINED FROM HOWARD COUNTY WEBSITE, USDA WEBSITE WAS UNAVAILABLE AT THE TIME THIS DRAWING WAS PERPARED.
  - GLADSTONE, BANNERTOWN, MANOR
  - CODORUS, HATBORO
- EXISTING FIRST FLOOR: 401.3'  
BASEMENT: 392.2'  
GARAGE SLAB: 400.0'
- THE ELEVATIONS AND CONTOURS SHOWN HEREON ARE THE RESULT OF A FIELD RUN TOPOGRAPHIC SURVEY, AND ARE SHOWN IN THE NAVD 1988 DATUM, BASED UPON BENCHMARK No. 22FM2.

THE PURPOSE OF THIS PLAN IS TO REESTABLISH THE PRIVATE SEWAGE EASEMENT.

HOWARD COUNTY, MARYLAND  
HEALTH DEPARTMENT

APPROVED FOR PRIVATE WATER AND  
PRIVATE SEWERAGE SYSTEMS.

HEALTH OFFICER

### OWNER/DEVELOPER

KEVIN C. & HAYLEY J. BECRAFT  
12120 CARROLL MILL ROAD  
ELLICOTT CITY, MARYLAND 21042  
PHONE: 443-370-2588

The purpose of this drawing is to locate, describe, and represent the positions of buildings and substantial improvements affecting the property shown hereon, being known as:  
LOT 64, BLOCK 'E', SECTION No. 3, on the plat entitled "WOODMARK"  
recorded among the land records of Howard County, Maryland in Plat 15, Plat 40

Subject property is shown in Zone C on the FIRM Map of Howard County, Maryland on Community Panel Number 240044 0022 B, Effective 12/4/86

This is to certify that I either personally prepared or was in responsible charge over the preparation of this drawing and the surveying work reflected in it, all set forth in Regulation .12 of Chapter 09.13.06 of the Code of Maryland Annotated Regulations.



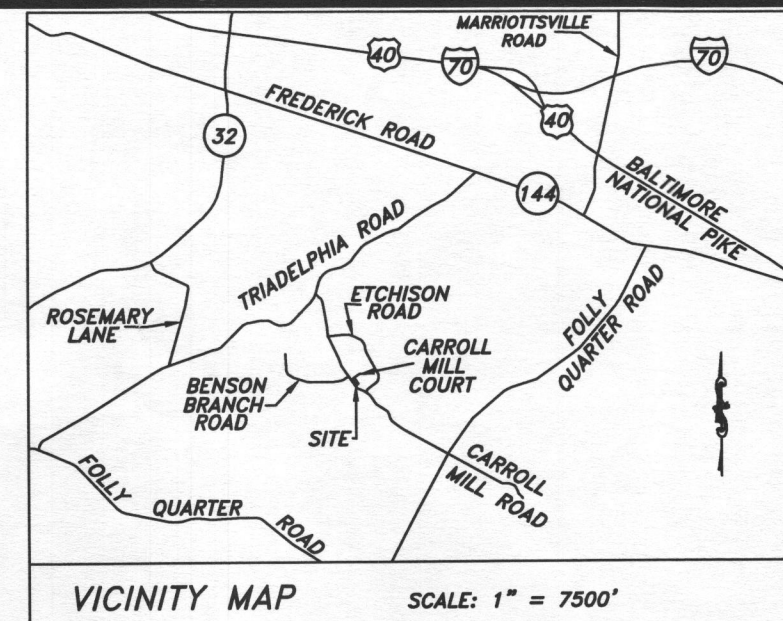
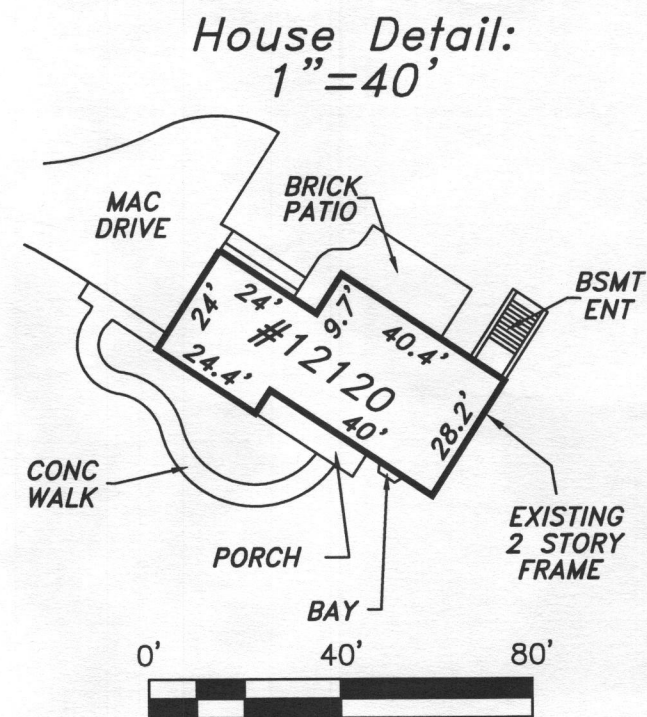
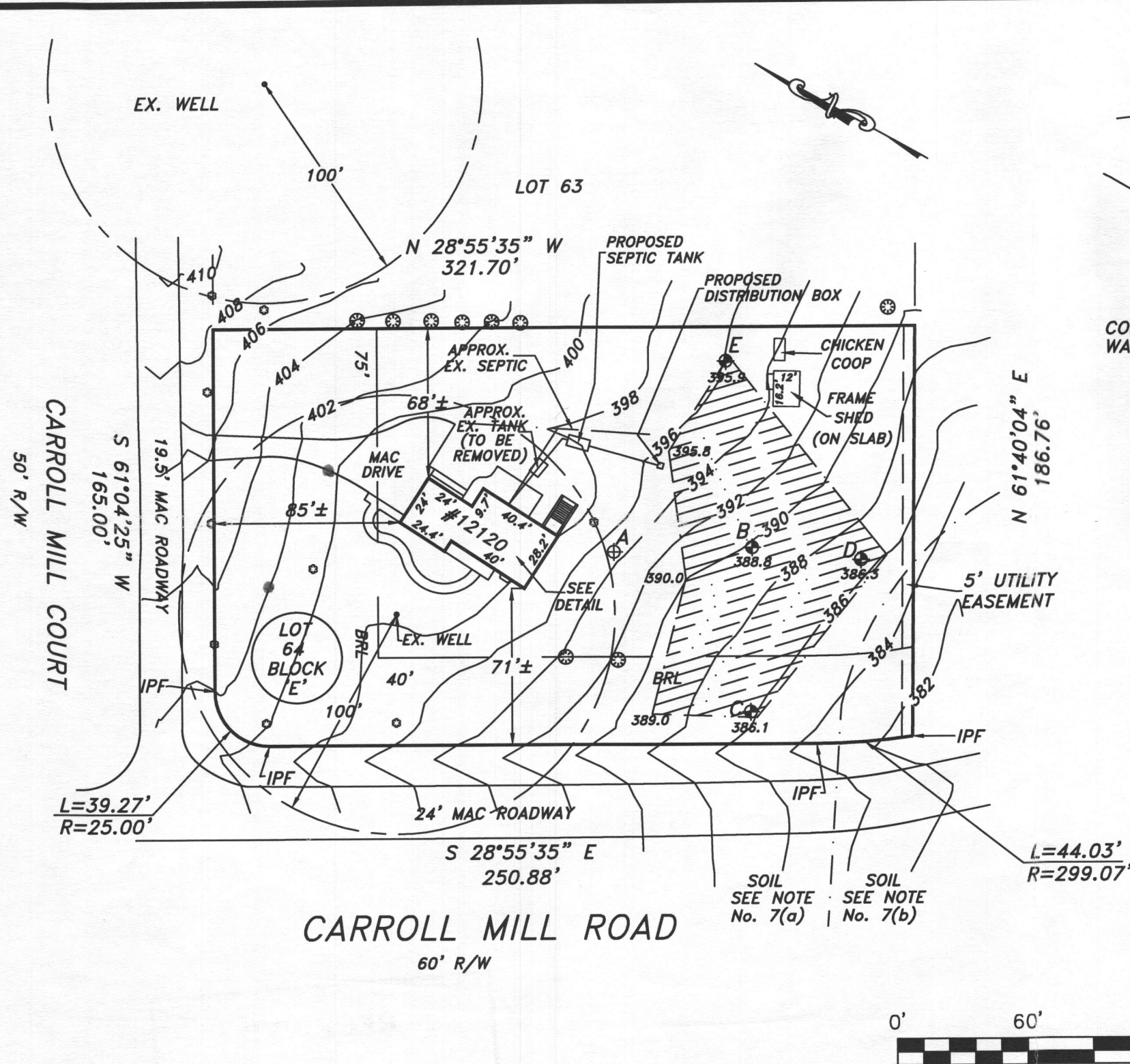
### PERCOLATION CERTIFICATION PLAN

12120 CARROLL MILL ROAD  
TAX MAP 23, PARCEL 89  
3rd ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

NTT Associates, Inc.  
16205 Old Frederick Rd.  
Mt. Airy, Maryland 21771  
Phone: (410) 442-2031  
Fax: (410) 442-1315  
www.nttsurveyors.com

Scale: 1" = 60'  
Date: 1/2/2014  
Field By: DR/JCH/SCK  
Drawn By: DR/JCH/SCK  
File No.: BECRAFT





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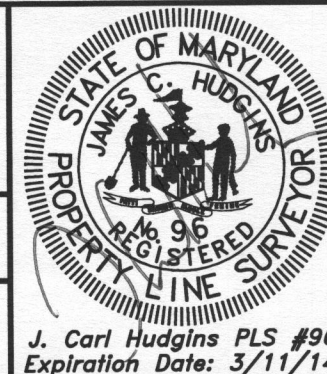
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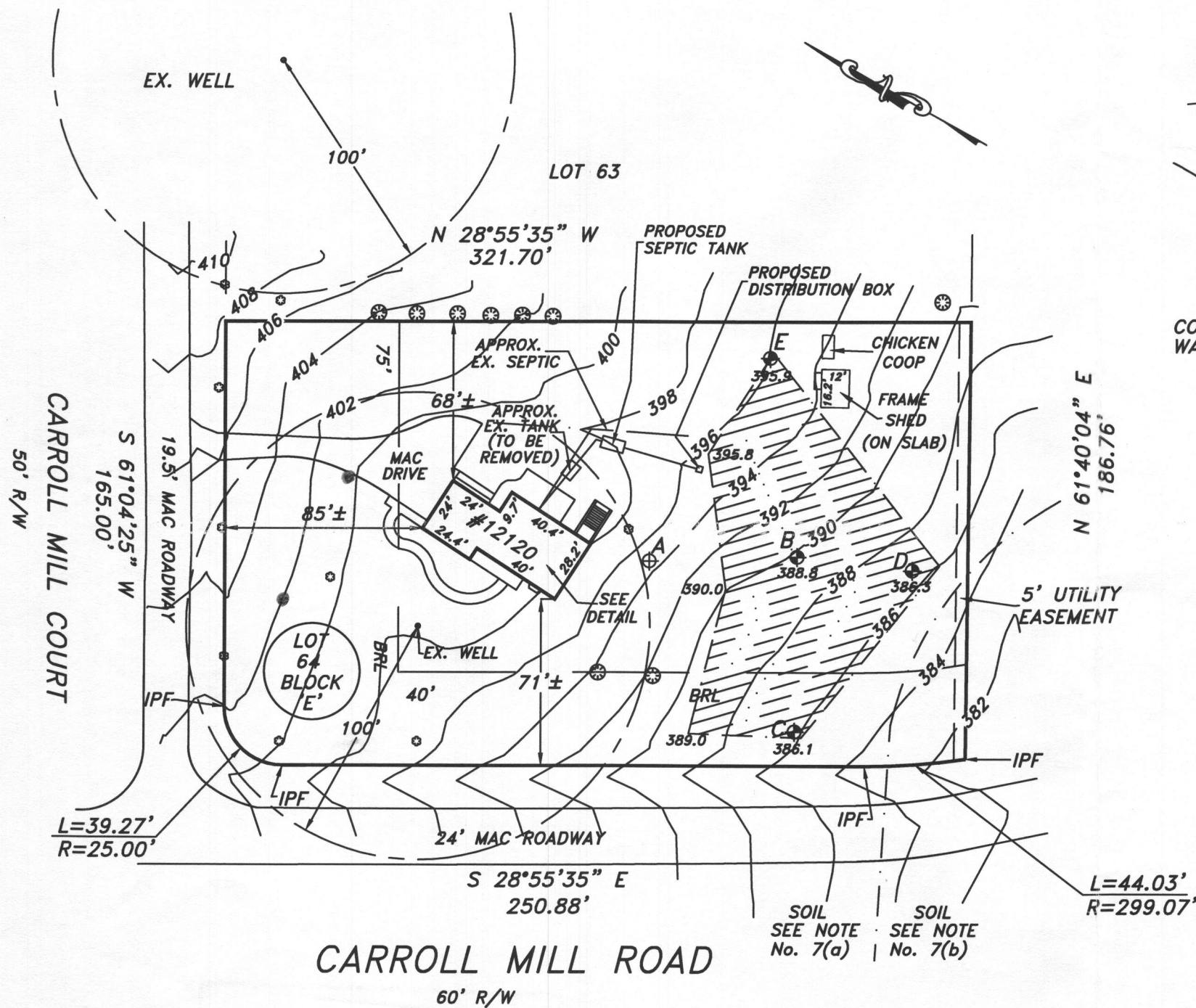
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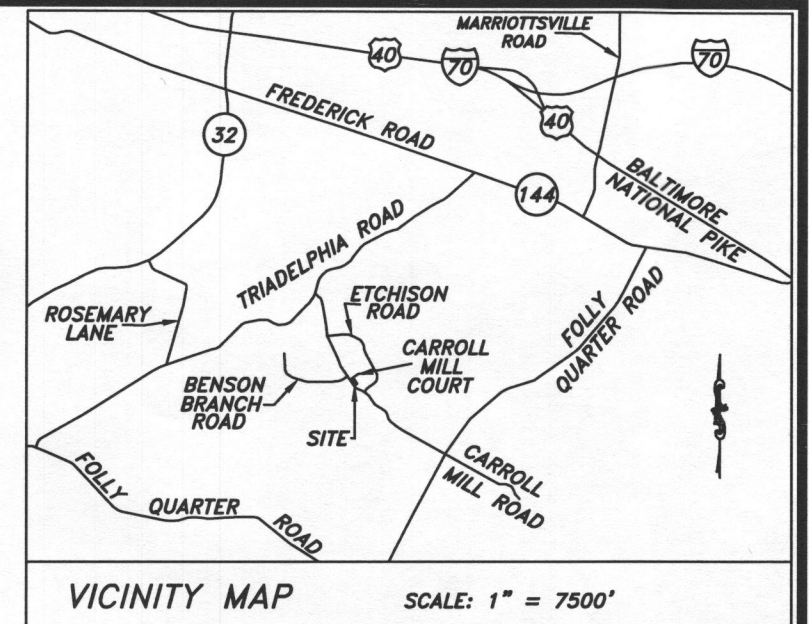
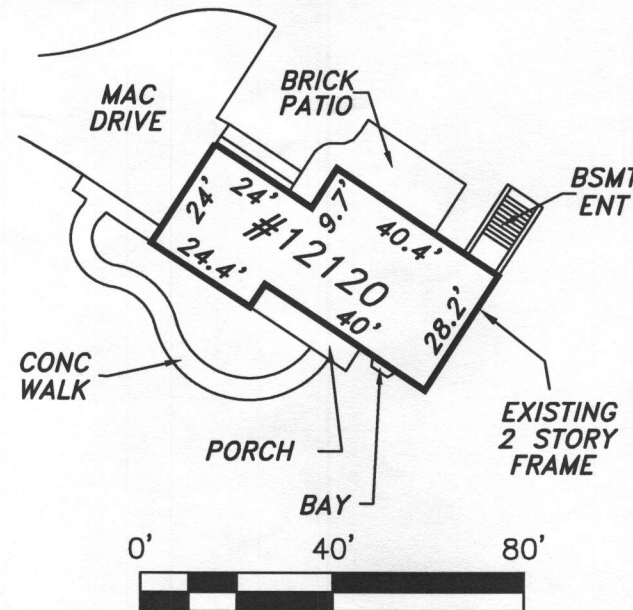
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Scale: 1" = 60'  
Date: 1/2/2014  
Field By: DR/JCH/SCK  
Drawn By: DR/JCH/SCK  
File No.: BECRAFT





House Detail:  
1"=40'



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J. Carl Hudgins PLS #96  
Expiration Date: 3/11/14

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Scale: 1"= 60'

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Field By: DR/JCH/SCK

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File No.: BECRAFT

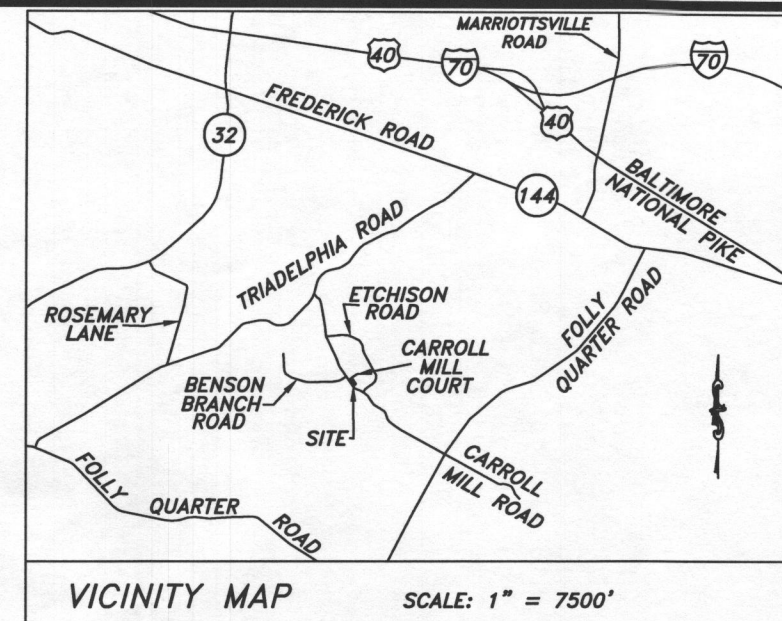
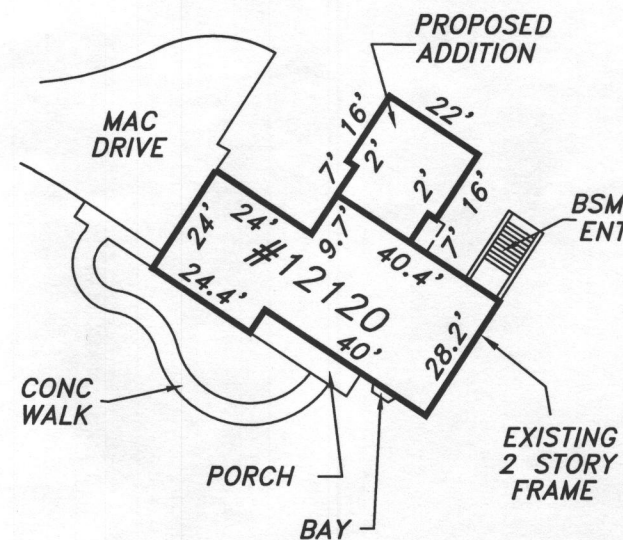
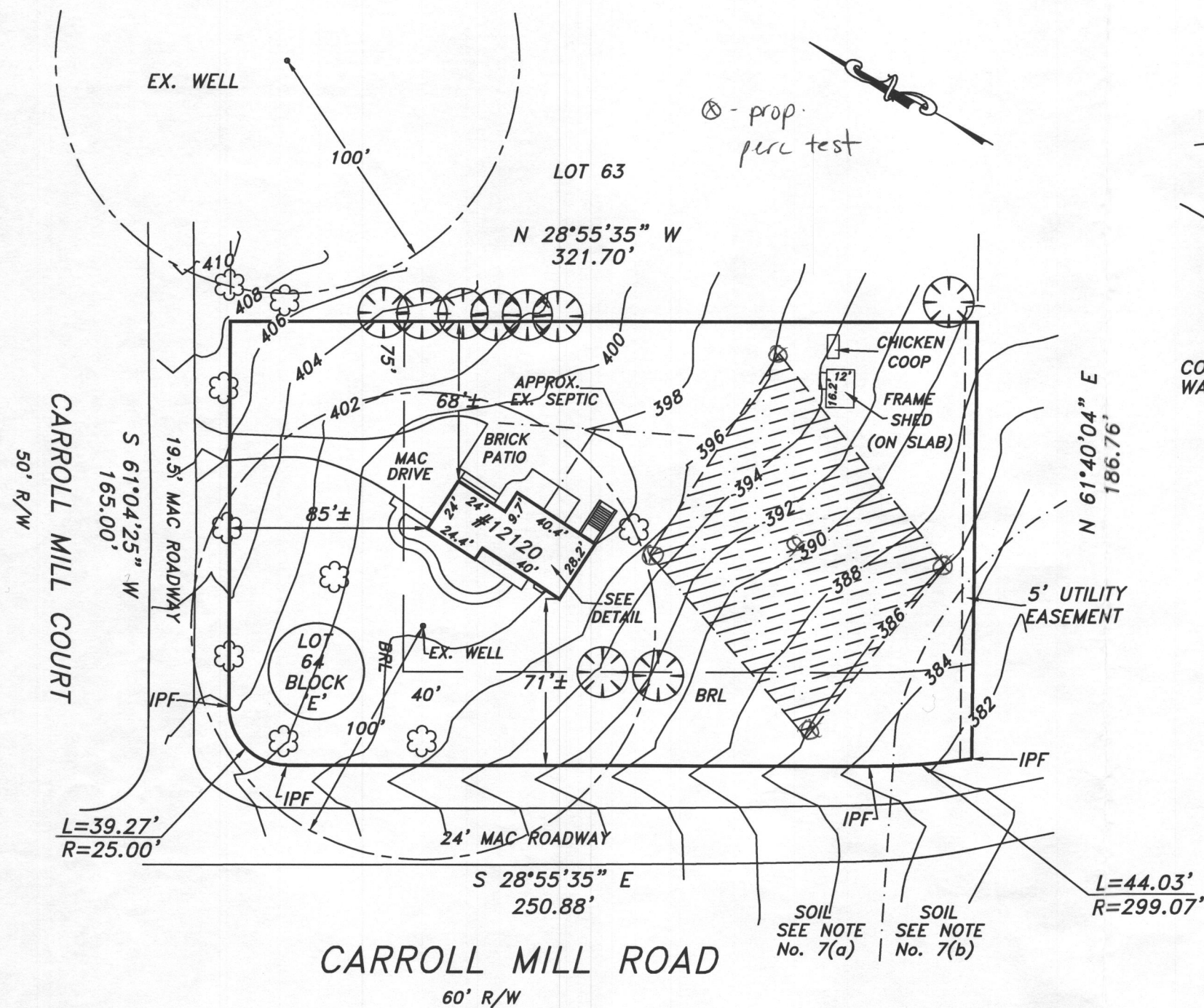












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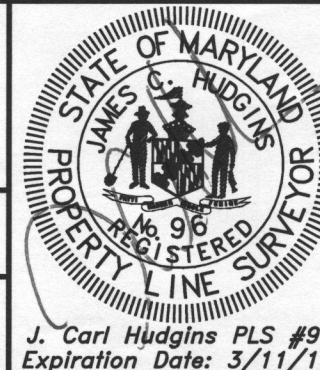
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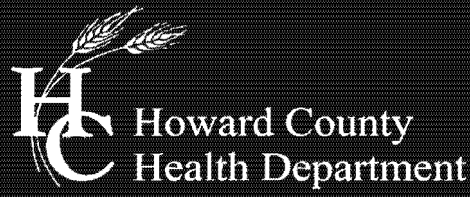
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Date: 9/23/2013

Field By: DR/JCH/SCK

Drawn By: DR/JCH/SCK

File No.: BECRAFT



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., Health Officer

December 2, 2013

To: Kevin Becraft  
Applicant

RE: Percolation Test Report, [12120 Carroll Mill Rd Ellicott City MD 21042]; A#545167

Percolation testing was conducted on the referenced property on November 21st, 2013. The purpose for conducting these percolation tests was to delineate septic reserve area for a proposed addition.

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 accommodate an initial system and one replacement system.

Soil conditions observed were unsatisfactory and satisfactory for onsite wastewater treatment and disposal. Fill material was observed in test location 'A' and had a failing rate. Tests B, C & D were determined to be satisfactory and had passing perc rates. The area of test A should not be included within the new septic reserve area.

The existing septic tank and trenches were also located at the time of testing. The septic tank and trenches must be relocated to accommodate the required setback from the proposed sunroom.

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 of well or septic system conditions 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,

Heidi Scott, L.E.H.S.  
Well and Septic Program

Copy: James C. Hudgins; NTT Associates, Inc.