



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

500.
165
\$ 376.00

TEST DATE(S) _____ TEST TIME _____

AP 5380.5

AGENCY REVIEW: _____

DATE 9-13-12

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)
- 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) Keith Ohlinger

DAYTIME PHONE 301 460-7064 CELL _____ FAX _____

MAILING ADDRESS 2790 Florence Woodbine CITY/TOWN MD STATE 21797 ZIP

APPLICANT Cumberland + Co. Curtis Cumberland

DAYTIME PHONE 301 252-1122 CELL same FAX _____

MAILING ADDRESS 16391 A.E. Mullinix CITY/TOWN Woodbine STATE MD ZIP 21797

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

PROPERTY LOCATION SUBDIVISION/PROPERTY NAME _____ LOT NO. _____

PROPERTY ADDRESS 2790 Florence Rd STREET Woodbine MD TOWN/POST OFFICE

TAX MAP PAGE(S) 7 GRID _____ PARCEL(S) _____ PROPOSED LOT SIZE 22 A.

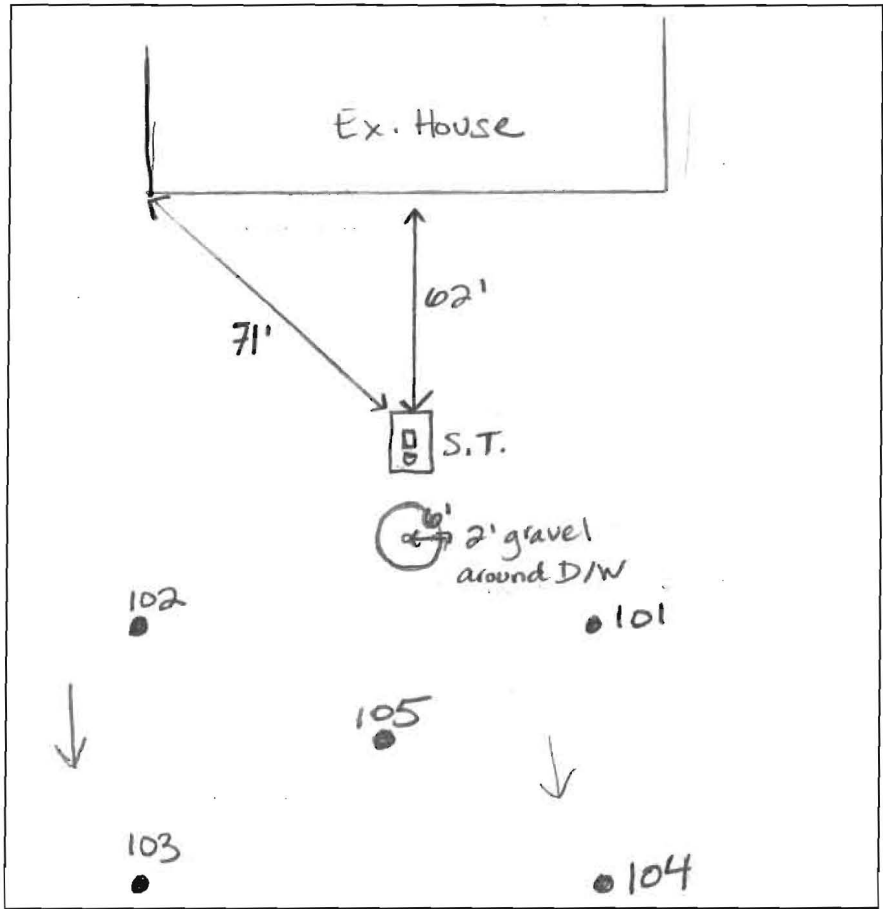
AS APPLICANT, I UNDERSTAND THE FOLLOWING: THE SYSTEM INSTALLED SUBSEQUENT TO THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS APPLICATION IS COMPLETE WHEN ALL APPLICABLE FEES AND A SUITABLE SITE PLAN HAVE BEEN RECEIVED. I ACCEPT THE RESPONSIBILITY FOR COMPLIANCE WITH ALL M.O.S.H.A. AND "MISS UTILITY" REQUIREMENTS. APPROVAL IS BASED UPON SATISFACTORY REVIEW OF A PERC CERTIFICATION PLAN.

TEST RESULTS WILL BE MAILED TO APPLICANT. Curtis Cumberland 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

102 101
103 105 104

AP 538065



101
2' red brn scl lfsbk
4' yellow brn sl
8' yellow brn fsl Saponite
9' red brn v fsl Saponite
15% brv
red brn

104
10" bm l
3.5' red brn scl lfsbk
6' yellow brn sl Saponite
8.5' yellow brn fsl
yellow brn chv fsl
15% shale

ch fsl / shale
12' 102
2' red brn scl lmsbk
4' yellow sl
6' yellow fsl Saponite
10% rx

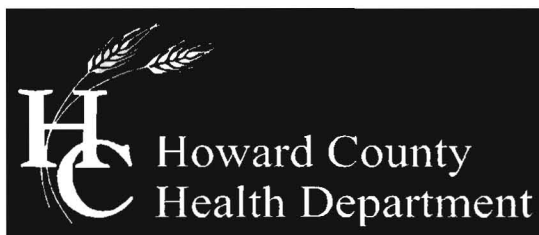
105
1' brn lsbk
4' red brn scl
yellow brn sl Saponite
7' yellow brn sl
20% shale
7' yellow brn fsl Saponite / shale
11.5'

pink/red fsl / shale
12' 103
2.5' red brn scl 2 fsl
4' yellow brn sl
7' yellow brn fsl
12' 20% shale

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H.
9-26-12	101	4' / 12'	9:55	9:57	10:00	3	P
	102	4.5' / 12'	10:11	10:14	10:18	4	P
	103	4' 7" / 12'	10:38	10:50	11:20	20	P
	104	4.5' / 12'	11:06	11:12	11:19	7	P
	105	11.5'	VISUAL				P

REMARKS holes dug per states except 105
 SANITARIAN HS BACKHOE Curtis OTHERS Keith (owner)
 TEST HOLES USED IN SDA 5 AVG. PERC TIME 8.5 SQ. FT/BR
 TRENCH WIDTH 3 INLET DEPTH 3 MAX. BOT DEPTH 6' EFFECTIVE SW 2-3'

Ex. tank: 10' 6" length
 5' 5" width
 1'-1.5' depth
 Ex. Drywell: 8' depth 26" lid depth
 42" liquid level
 12' diameter



Bureau of Environmental Health

7178 Columbia Gateway Drive, Columbia, MD 21046-2147

Main: 410-313-2640 | Fax: 410-313-2648

TDD 410-313-2323 | Toll Free 1-866-313-6300

www.hchealth.org

Facebook: www.facebook.com/hocohealth

Twitter: HowardCoHealthDep

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

October 2nd, 2012

To: Curtis Cumberland

RE: Percolation Test Report, 2790 Florence Road; A#538065

Percolation testing was conducted at the referenced property on September 26, 2012. The purpose for conducting these percolation tests was to delineate septic reserve area for a proposed addition to include an additional bedroom.

All percolation tests conducted were standard tests, measuring rate of fall for a pre-wet period followed by measurement and recodation 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 residence.

Soil conditions observed were satisfactory for onsite wastewater treatment and disposal. A total of five percolation tests were conducted.

The existing septic system was exposed and documented at the time of testing. It consists of an approx. 1,500 gallon septic tank and a drywell. The septic tank capacity must be upgraded to at minimum of 2,000 gallons. A new 2,000 gallon tank or an additional tank in series with the existing tank may be installed. The drywell must be pumped and collapsed. New trenches and the new septic tank must be installed prior to building permit approval. The existing well location is satisfactory.

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.

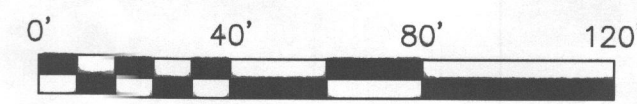
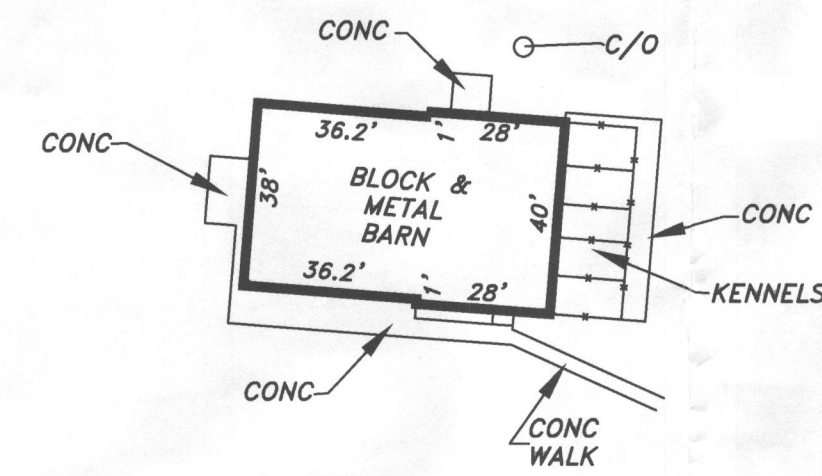
Additional field review of well or septic system conditions may be required at any time during this process. If you have any questions regarding this evaluation or requirements for the Percolation Certification Plan or Site Plan, please contact me at the above address or by calling (410) 313-6287.

Respectfully,

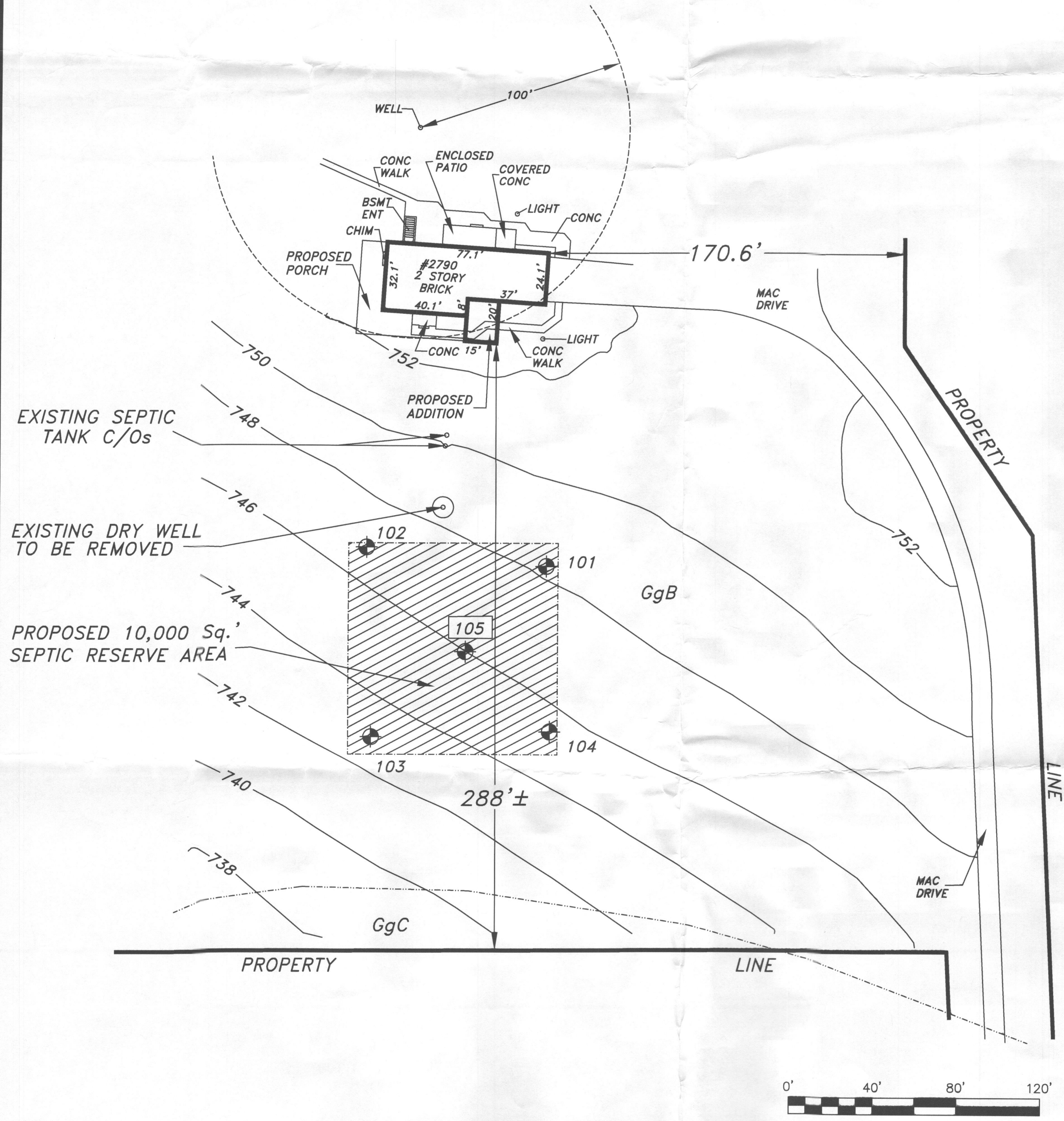
Heidi Scott, R.S.
Well and Septic Program

Cc:
Owner

BARN DETAIL
SCALE: 1"=40'



HOUSE DETAIL
SCALE: 1"=40'



This is to certify that I have surveyed the property shown hereon, being known as # 2790 FLORENCE ROAD as described in a deed and recorded among the land records of Howard County, Maryland in Liber 14058, folio 452 for the purpose of locating or setting the corners thereof.

Subject property is shown in Zone C on the FIRM Map of Howard County, Maryland on Community Panel Number 240044 0007 B, effective 4/2/1997 PANEL NOT PRINTED

OWNER/DEVELOPER
KEITH OHLINGER
2790 FLORENCE ROAD
WOODBINE, MD 21797
(301) 460-7004



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

PERCOLATION CERTIFICATION PLAN
2790 FLORENCE ROAD
TAX MAP 7, PARCEL 354
4th 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"= 100'
Date: 9/27/2012
Field By: SCK
Drawn By: SCK
Drawing # 71213HRS(d)

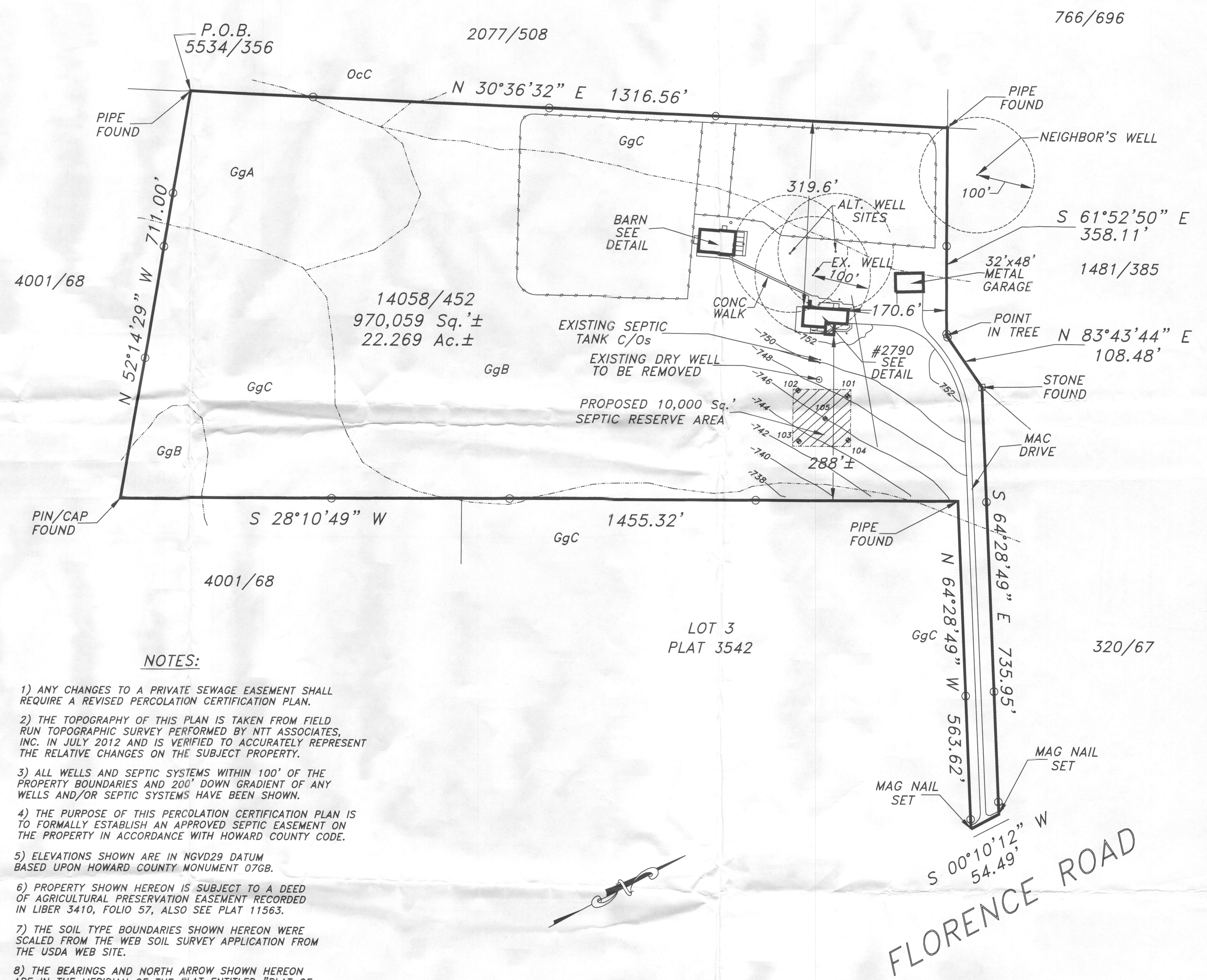
- NOTES:**
- 1) ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
 - 2) THE TOPOGRAPHY OF THIS PLAN IS TAKEN FROM FIELD RUN TOPOGRAPHIC SURVEY PERFORMED BY NTT ASSOCIATES, INC. IN JULY 2012 AND IS VERIFIED TO ACCURATELY REPRESENT THE RELATIVE CHANGES ON THE SUBJECT PROPERTY.
 - 3) ALL WELLS AND SEPTIC SYSTEMS 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 PERCOLATION CERTIFICATION PLAN IS TO FORMALLY ESTABLISH AN APPROVED SEPTIC EASEMENT ON THE PROPERTY IN ACCORDANCE WITH HOWARD COUNTY CODE.
 - 5) ELEVATIONS SHOWN ARE IN NGVD29 DATUM BASED UPON HOWARD COUNTY MONUMENT 07GB.
 - 6) PROPERTY SHOWN HEREON IS SUBJECT TO A DEED OF AGRICULTURAL PRESERVATION EASEMENT RECORDED IN LIBER 3410, FOLIO 57, ALSO SEE PLAT 11563.
 - 7) THE SOIL TYPE BOUNDARIES SHOWN HEREON WERE SCALED FROM THE WEB SOIL SURVEY APPLICATION FROM THE USDA WEB SITE.
 - 8) THE BEARINGS AND NORTH ARROW SHOWN HEREON ARE IN THE MERIDIAN OF THE PLAT ENTITLED "PLAT OF EASEMENT PROPERTY OF LEON A. BREAUULT, JR. AND BETTY BREAUULT" RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND AS PLAT NUMBER 11563.
 - 9) ⚡ DENOTES PASSED PERCOLATION TEST HOLE
 - 10) THE PROPOSED ADDITION WILL ADD ONE BEDROOM, FOR A TOTAL OF FIVE BEDROOMS IN THE HOUSE.
 - 11) FUTURE USE OF THE EXISTING BARN COULD NECESSITATE REVIEW OF EXISTING FLOOR DRAINS AND DISCHARGE.

THIS AREA DESIGNATES A PRIVATE SEWAGE DISPOSAL AREA OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED. THE SEWAGE DISPOSAL AREA 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 SEWAGE EASEMENT SHALL NOT BE NECESSARY.

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.

"APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS"

B. Nelson for Maureen Roseman 11/8/2012
HEALTH OFFICER, HOWARD COUNTY HEALTH DEPARTMENT
DATE



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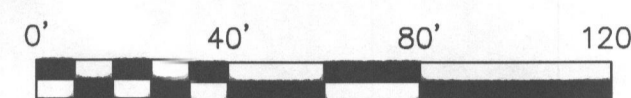
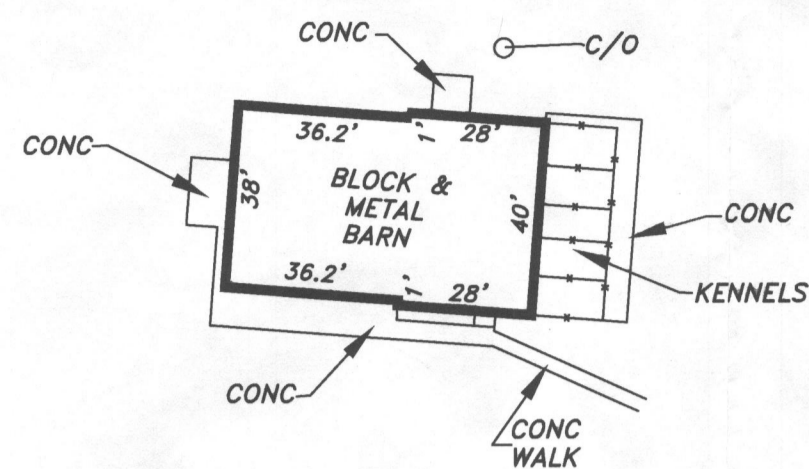
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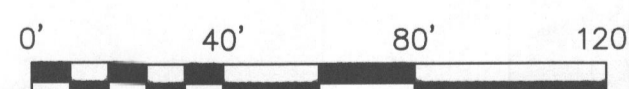
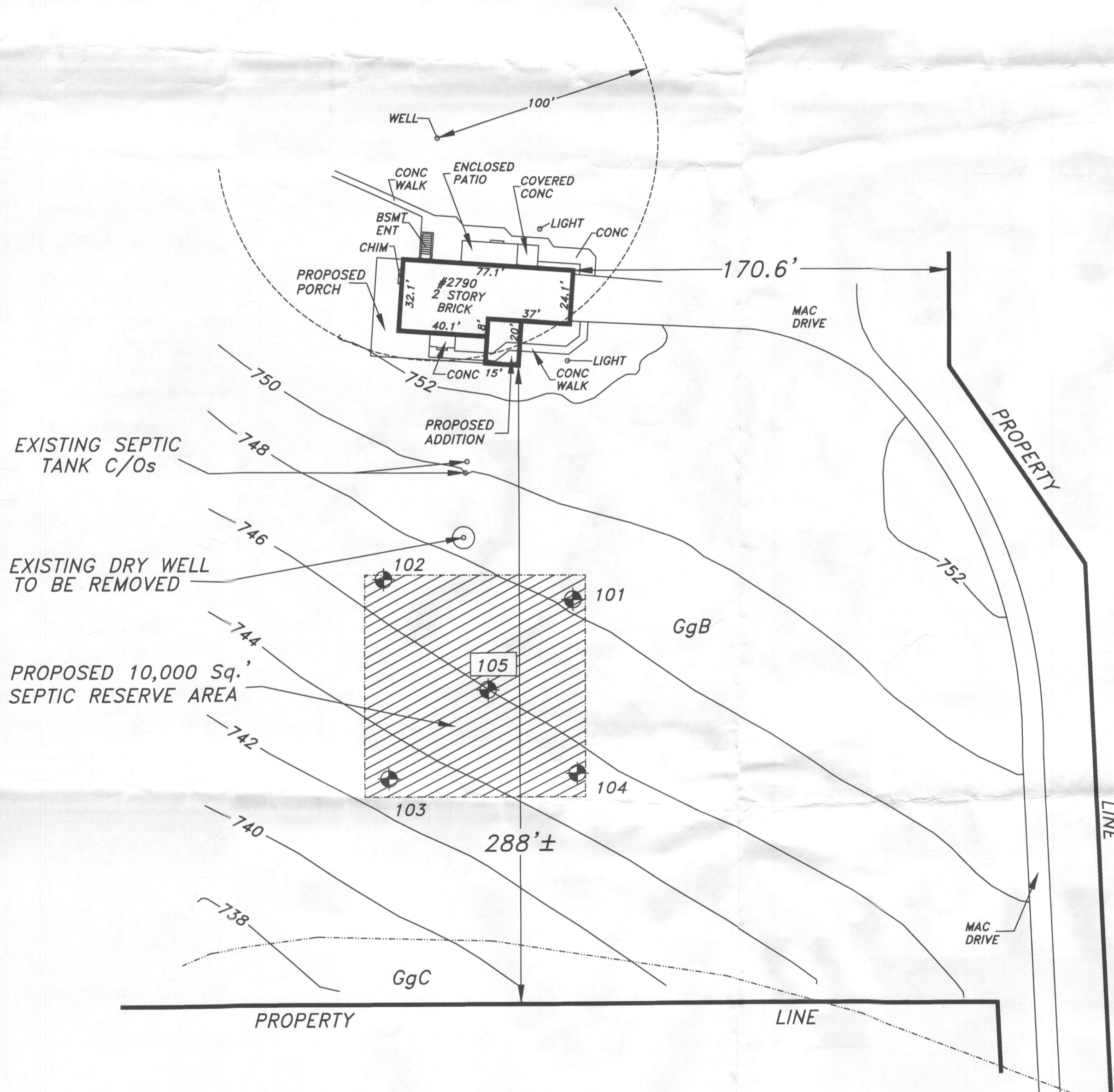
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BARN DETAIL
SCALE: 1"=40'



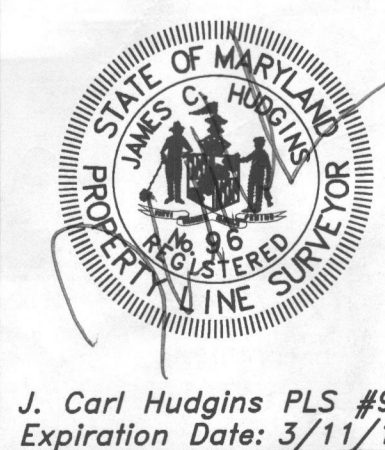
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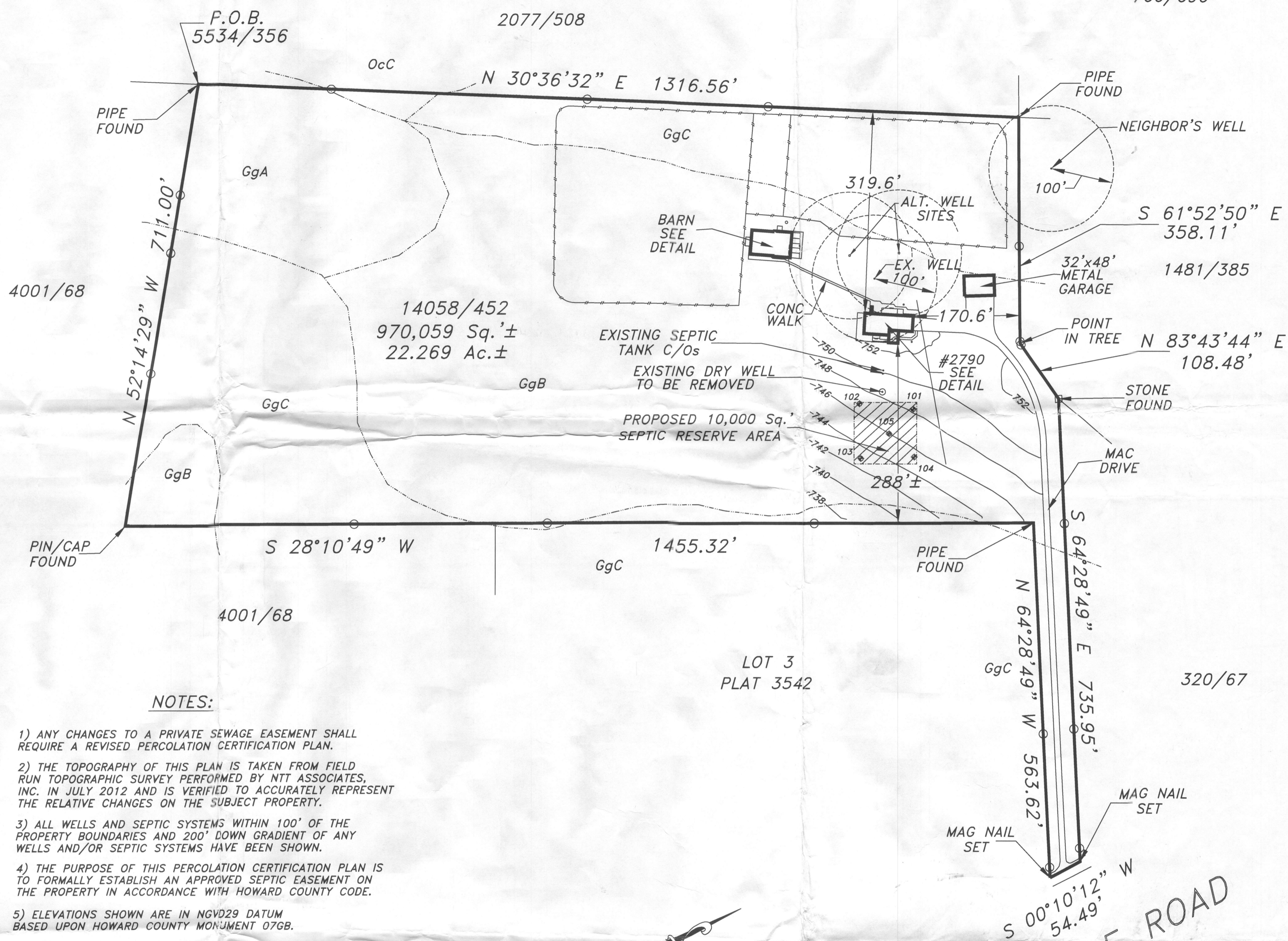
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766/696



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