



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____

AP 528997

AGENCY REVIEW: _____

DATE 6-17-08

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 4 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) Linda Delivorias Mary K. Kondner

DAYTIME PHONE _____ CELL _____ FAX _____

MAILING ADDRESS 6392 Guilford Road Clarksville MD 21029
STREET CITY/TOWN STATE ZIP

APPLICANT McKee & Associates, Inc. James D. Grammer

DAYTIME PHONE 410 527-1555 CELL _____ FAX 410 527-1563

MAILING ADDRESS 5 Shawan Road, Suite 1 Cockeyville MD 21030
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME Spring Valley Farms LOT NO. 16

PROPERTY ADDRESS 6392 Guilford Road Clarksville MD 21029
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 35 GRID 19 PARCEL(S) 304 PROPOSED LOT SIZE 5.06

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.

James D. Grammer
SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM
1718 COLUMBIA GATEWAY DRIVE COLUMBIA, MARYLAND 21046 (410) 313-2640 FAX (410) 313-2648
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

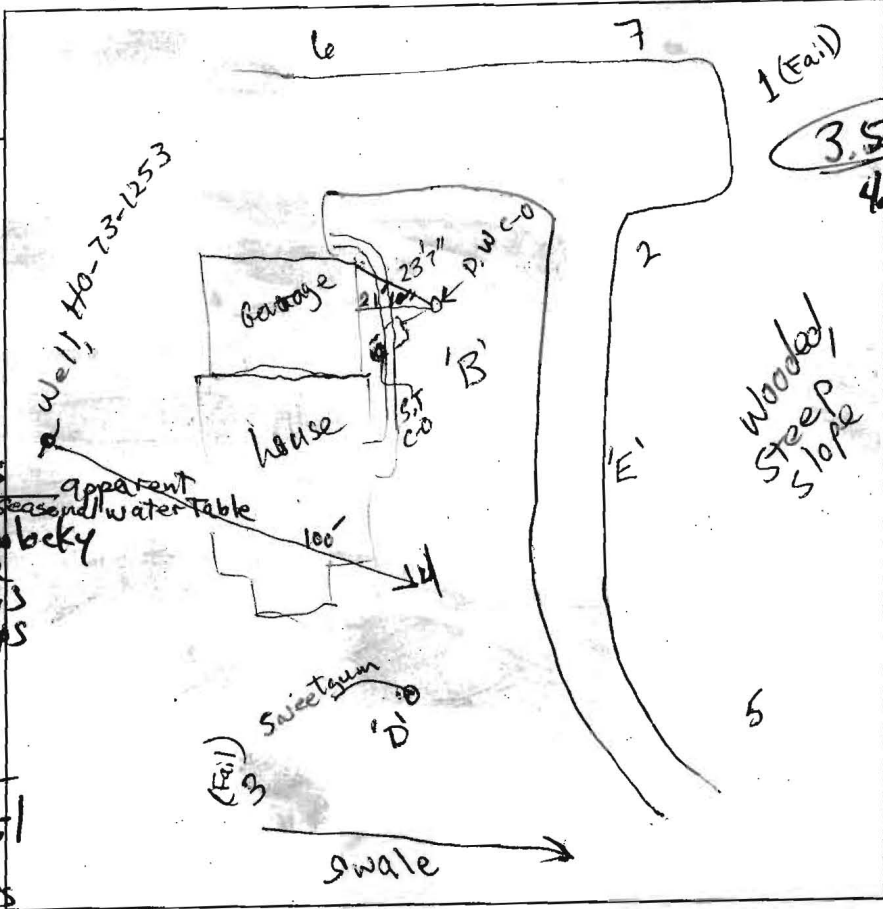
A/P

(D)
 0.5' brn sl 2 f sbk
 brn scl
 2 msbk
 (2) brn sl
 many mica
 1 f sbk to 0 m
 9' dk brn sl
 few channers
 * 11' dk brn sl - blacky
 common mica
 black coatings
 water seeps
 13'
 14.4'

(E)
 0.4' dk brn sl
 H brn vst sl
 35% channers
 & stores

(B) better
 3' yel-brn
 & lt. grey
 ch sl
 8' lt. brn grey
 ch sl
 15% channers
 (gneiss saprolite)

11' H. grey ls
 25% WC gneiss
 medium to fine platy
 12.8'



(B)
 0.7' dk brn sl
 red-brn scl
 2 msbk
 3.5'
 4.5' lt. brn sl
 0 m
 lt. brn sl
 lt. grey ls
 saprolite
 8' dk grey brn
 ls saprolite
 12.5' dk grey brn
 sl saprolite
 14.5' (gneiss)

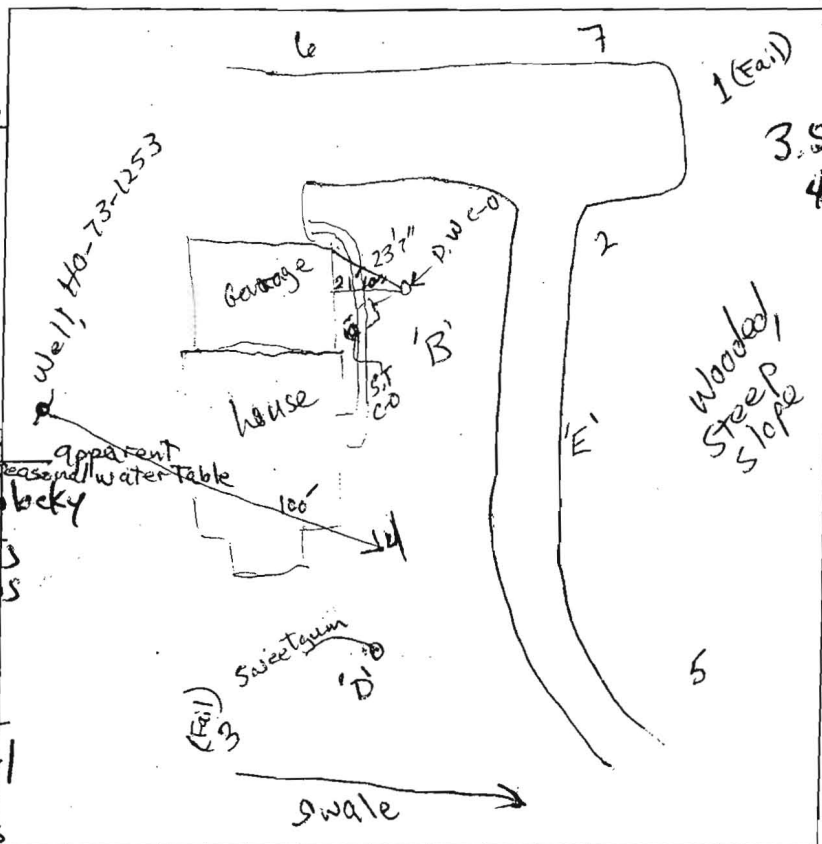
DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
7/9/08	B	5.5' / 11.5'	0	1.3	3.6	2.3	P
7/9/08	D	6' / 14.4'	0	1.5	4.5	3	P
7/9/08	E	12.8'	Visual, sidewall OK			3' to 8'	P

REMARKS: 2 Repairs fit east of driveway with 2' to 2.5' sidewall
 SANITARIAN RB BACKHOE Mark OTHERS Randy, Pat Hagan
 TEST HOLES USED IN SDA B & D AVG. PERC TIME SQ. FT/BR
 TRENCH WIDTH 2 or 3 INLET DEPTH MAX. BOT DEPTH EFFECTIVE SW 2.5

Did Not perc or dig 'A', 'C', or 'F'

A/P

(D)
 0.5' brnsl 2 fsk
 2' brnscl
 2msbk
 brnscl
 many mica
 1 fsk to 8m
 9' dk brnscl
 few channers
 11' dk brnscl - blocky
 common mica
 black coatings
 13' water seeps
 14.4'



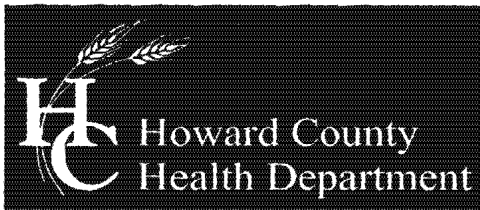
(B)
 0.7' dk brnscl
 red-brnscl
 2msbk
 3.5'
 4.5' lt. brnscl
 8m
 lt. brnscl
 lt. grey ls
 saprolite
 8' dk grey brn
 1s saprolite
 2.5' dk grey brn
 14.5' sl saprolite
 (gneiss)

(E)
 0.5' dk brnscl
 lt. brn vstsl
 35% channers
 & stones
 3' yel-brn
 & lt. grey
 chsl
 8' lt. brn grey
 chsl
 15% channers
 (gneiss saprolite)
 11' lt. grey ls
 25% WC gneiss
 medium fine platy
 12.8'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
7/9/08	B	5.5/14.5'	0	1.3	3.6	2.3	P
7/9/08	D	6"/14.4'	0	1.5	4.5	3	P
7/9/08	E	12.8'	Visual,	sidewall OK		3' to 8'	P

REMARKS: 2 Repairs fit east of driveway with 2' to 2.5' sidewall
 SANITARIAN RB BACKHOE Mark OTHERS Randy, Pat Hagan, Jim Grammer
 TEST HOLES USED IN SDA B & D AVG. PERC TIME SQ. FT/BR
 TRENCH WIDTH 20 3/8" INLET DEPTH 3.5 MAX. BOT DEPTH 5.5 EFFECTIVE SAW 2.0 RB

Did Not perc 'A', 'C', or 'F'
 or dig



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

July 9, 2008

Linda Delivorias and Mary Kondner
6392 Guilford Road
Clarksville, MD 21029

RE: PERCOLATION TEST RESULTS, 6392 Guilford Road, A-528997

Dears Linda and Mary,


The results of percolation testing conducted on the subject property on this date, July 9, 2008, are satisfactory for onsite wastewater disposal. The purpose of conducting the percolation tests is to define and plat a septic easement in compliance with Howard County Code, and in support of a building permit application for a residential addition. Field data collected are shown on the worksheet 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. When the Percolation Certification Plan is approved, the values for these drainfield parameters will be established and maintained in the Health Department file for the subject property.

The proposed septic easement is contiguous, has a moderately rapid percolation rate, and is large enough to accommodate the existing system and 2 repair drainfields. Percolation test locations #4 (6/25/75), and 'B' and 'D' (7/9/08) all have satisfactory profiles and percolation times, and are within the proposed easement. Test locations #2, #6 and #7 (6/25/75), and 'E' (7/9/08), have satisfactory soil properties, indicating that soils appropriate for onsite wastewater disposal extend at least under the area occupied by the upper gravel driveway and turn-around.

The septic tank cleanout and dry well cleanout were visually observed. A scum layer in the septic tank appears to be about 6 inches beneath the bottom of the cover. The dry well solution level is at about 5.5 feet beneath the top of the (6-inch tile) cleanout, or about 6.5 feet below the soil surface. The installation permit prescribes an Inlet at 2 feet and bottom at 10 feet. The 2 trenches should have Inlets at 2 feet and bottoms at 8 feet. Test 'B' location is slightly downhill, though in proximity, of the existing trenches. A satisfactory profile to 14.5 feet deep is described at 'B', thus providing justification of a soil buffer greater than 4 feet to seasonal water table beneath the existing dry well and trenches.

Approval of Building Permit Application B08000960 is contingent upon Health Officer approval of a Percolation Certification Plan that meets Howard County requirements. If you have any questions regarding the site evaluation or requirements for the Percolation Certification Plan, please contact me at the above address or by calling (410) 313-2691.

Respectfully,

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

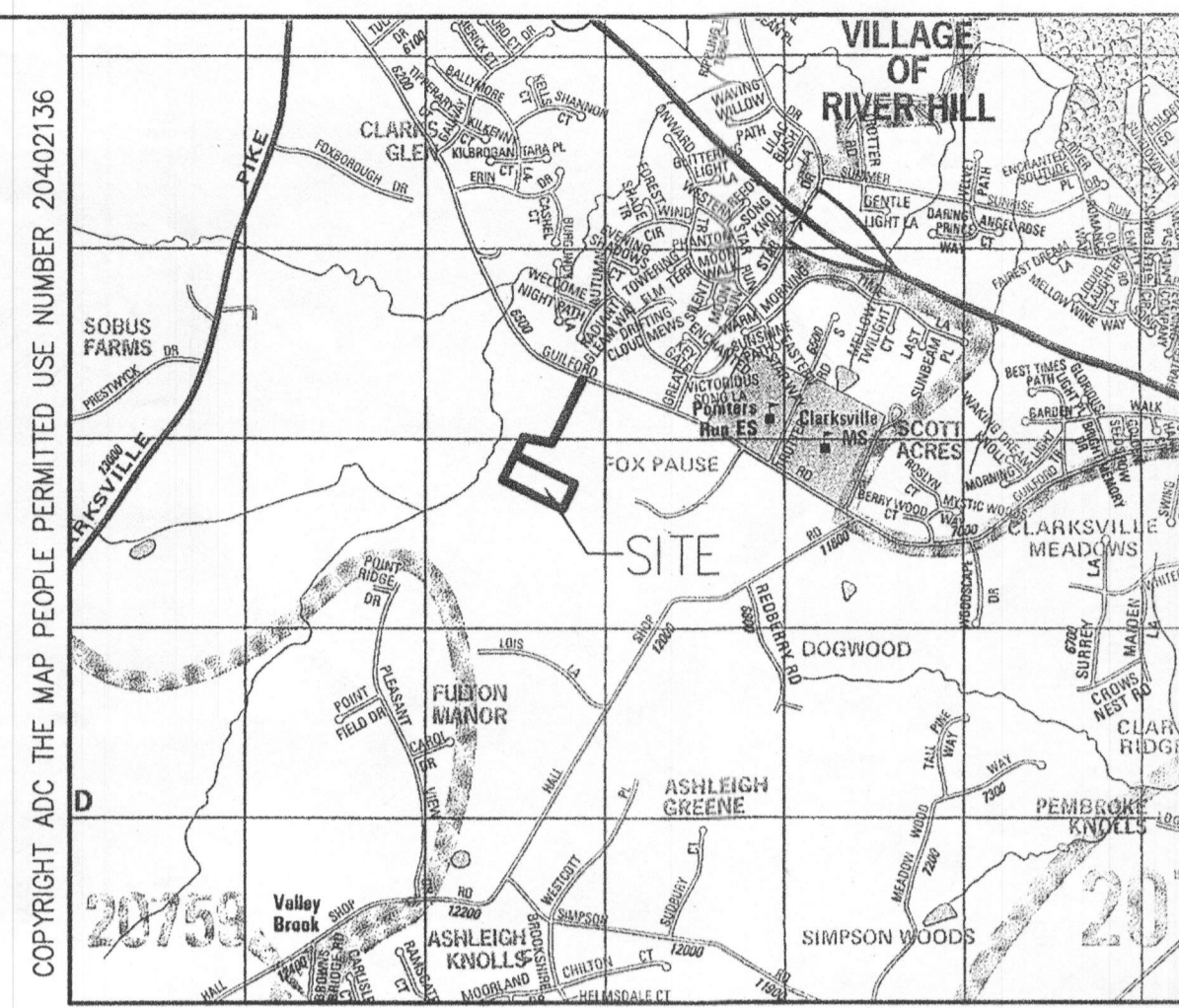
Enclosure: Field Worksheet
Copy: Jim Grammer, McKee and Associates, Inc.
File

SOIL LEGEND

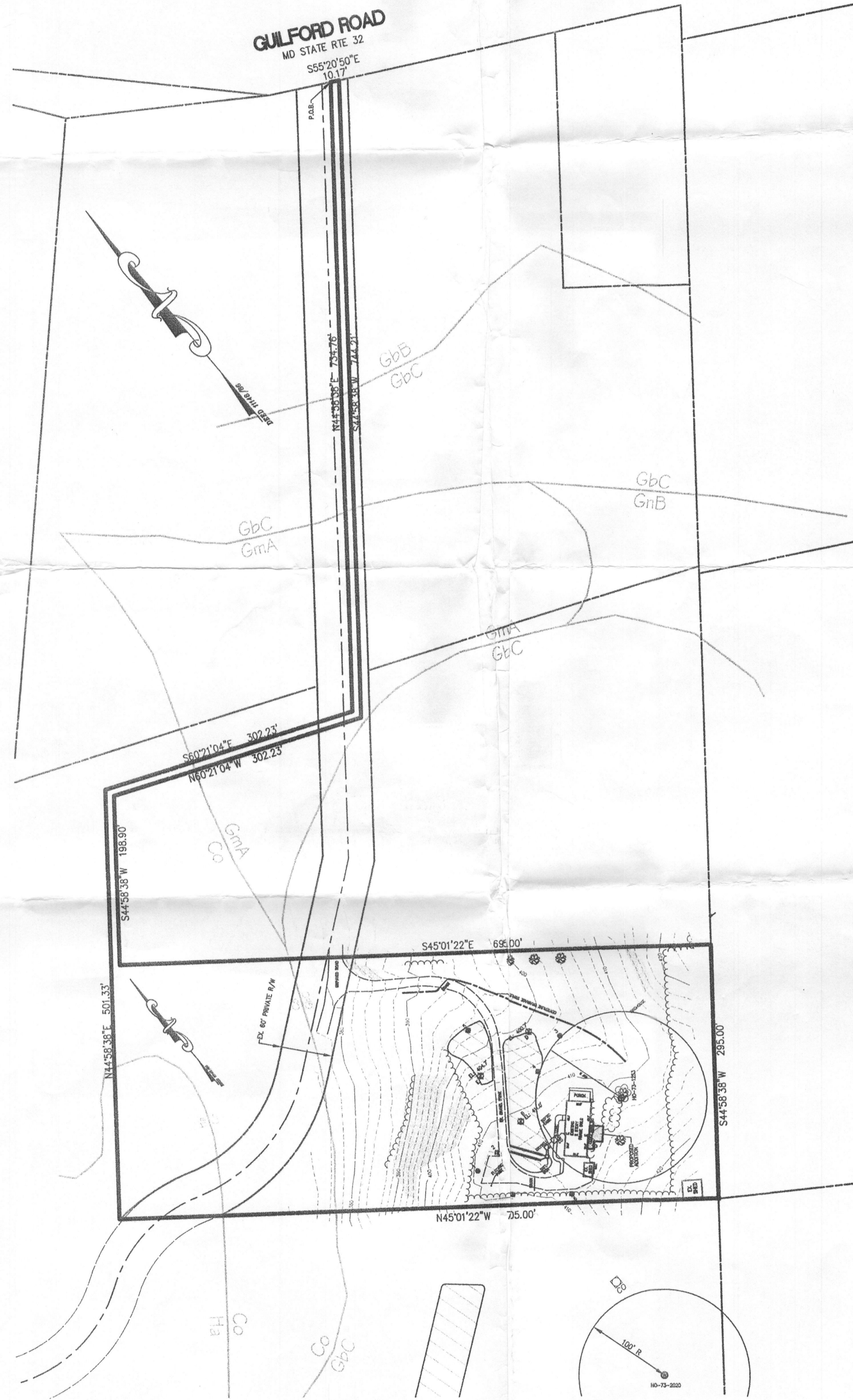
MAP SYMBOL	SOIL SERIES
Co	CODORUS & HATBORO SILT LOAMS
GbB	GLADSTONE LOAM
GbC	GLADSTONE LOAM
GmA	GLENVILLE SILT LOAM
GnB	GLENVILLE-BAILE SILT LOAM
Ha	HATBORO-CODORUS SILT LOAMS

NOTES

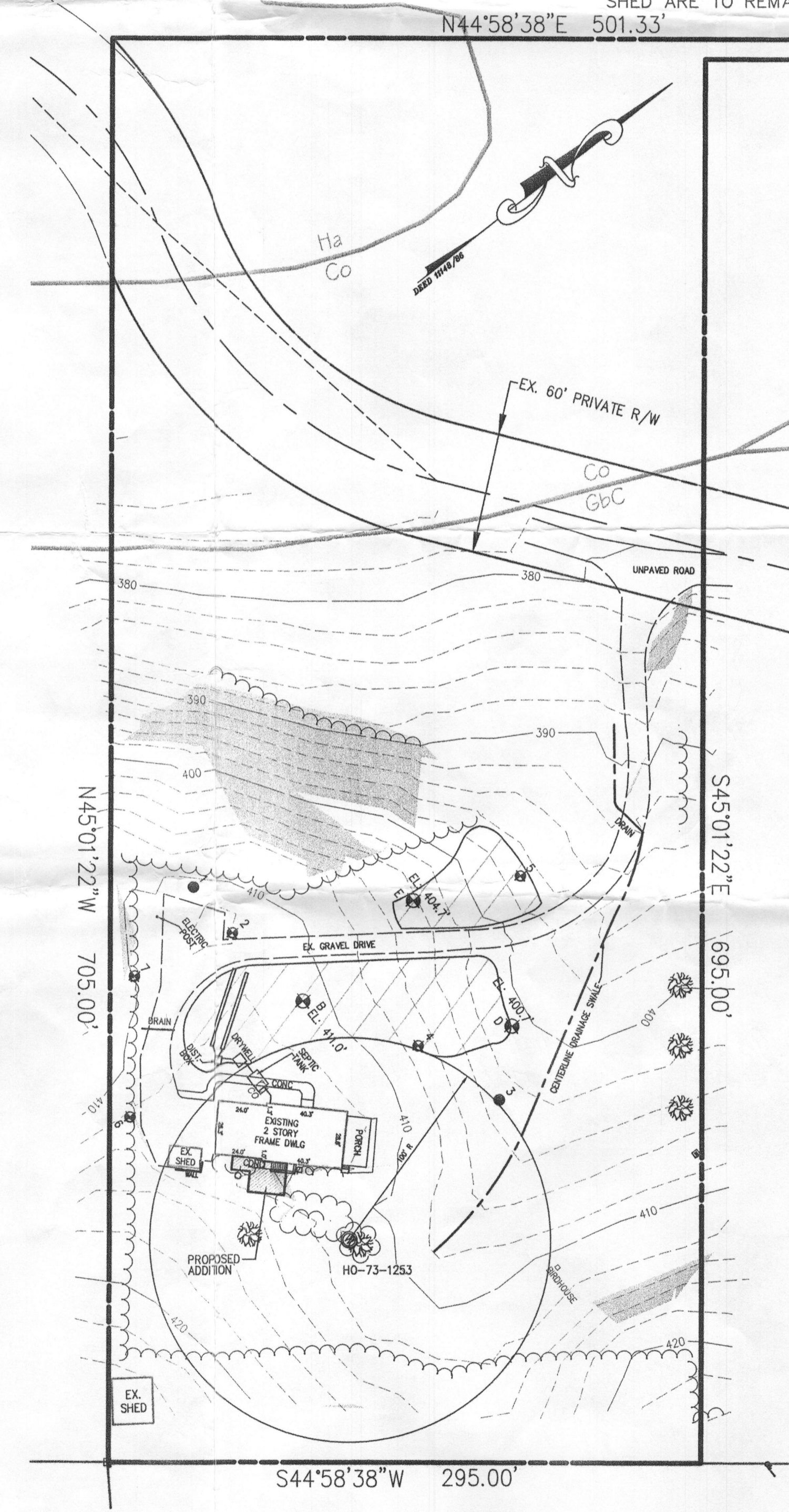
- TAX MAP 35, GRID 19, PARCEL
- DEED REFERENCE: 11148/086
- TAX ACCOUNT NO.: 05-356946
- PERCOLATION INFORMATION:
 - ⊕ DENOTES PRIOR APPROVED PERCOLATION TEST PIT
 - ⊖ DENOTES DISAPPROVED PERCOLATION TEST PIT
 - ⊙ DENOTES APPROVED PERCOLATION TEST PIT CONDUCTED JULY, 2008
- ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAT.
- NUMBERED PERCOLATION TEST PIT LOCATIONS SHOWN HEREON ARE TAKEN FROM HOWARD COUNTY HEALTH DEPARTMENT RECORDS.
- BOUNDARY LINES SHOWN HEREON ARE TAKEN FROM DEED 11148/086.
- TOPOGRAPHY SHOWN IS FIELD RUN BY MCKEE AND ASSOCIATES, INC. AND REFERENCED TO HOWARD COUNTY SURVEY CONTROL POINTS 35GD (NAVD 88) AND 41AC (NAVD 88).
- ALL EXISTING SEPTIC SYSTEMS AND SEPTIC EASEMENTS AND WELLS WITHIN 100-FEET OF THE SUBJECT PROPERTY HAVE BEEN LOCATED/SHOWN.
- A VARIANCE IS REQUESTED FROM THE COMAR (26.04.02.04) REQUIREMENT FOR A 10,000 S.F. SEPTIC EASEMENT AS THE SEPTIC EASEMENT DESCRIBED HEREON IS LARGE ENOUGH TO ACCOMMODATE THE EXISTING SEPTIC SYSTEM DRAINFIELD AND TWO REPAIR DRAINFIELDS.
- THE EXISTING SEPTIC TANK, DRY WELL AND TRENCHES, AND THE EXISTING SHED ARE TO REMAIN.



VICINITY MAP
SCALE: 1"=2000'



PLAN OVERVIEW
SCALE: 1" = 100'



PLAN DETAIL
SCALE: 1" = 50'

LEGEND

- 25%+ SLOPES
- PROP. SEPTIC AREA
- SOIL TYPES
- EX. CONTOUR
- EX. WOODS LINE
- PROP. ADDITION
- PROPERTY LINE
- EX. WELL

MDE SEWAGE EASEMENT STATEMENT FOR LOTS CREATED AFTER MARCH 1972:
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.
THE LOT(S) SHOWN HEREON COMPLIES/COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT.

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT
Peter Brillemann 8/14/2008
COUNTY HEALTH OFFICER *rb* DATE *8/14*

THE PURPOSE OF THIS PLAN IS TO ESTABLISH A SEPTIC RESERVE AREA IN SUPPORT OF A BUILDING PERMIT APPLICATION FOR A PROPOSED ADDITION TO THE EXISTING DWELLING, AND IN COMPLIANCE WITH COMAR 26.04.02.02.D(4) AND .H, .I, .J

PERCOLATION CERTIFICATION PLAT
#6392 GUILFORD ROAD

5TH ELECTION DISTRICT
SCALE: 1" = 50'

HOWARD COUNTY, MARYLAND
DATE: APRIL 26, 2008
REVISED: JUNE 24, 2008
REVISED: JULY 17, 2008
REVISED: JULY 29, 2008



MCKEE & ASSOCIATES, INC.
Engineering - Land Planning - Land Surveying

Natural Resource Planning - Real Estate Development
5 SHAWAN ROAD, Suite 1 CLARKSVILLE, MARYLAND 21030
TELEPHONE: (410) 527-1555 FACSIMILE: (410) 527-1563

OWNER
LUNDA DELIVORIAS
MARY B. KONDNER
6392 GUILFORD ROAD
CLARKSVILLE, MD 21093

BUILDER
HAGAN & HAMILTON
20 E. TIMONIUM ROAD
SUITE 100
TIMONIUM, MD 21093
(410)561-1004

I HEREBY CERTIFY THAT THE TOPOGRAPHY SHOWN HEREON IS FIELD RUN
DATE OF FIELD SURVEY: 05-28-08

SHEET 1 OF 1	COMPUTED BY: JDC	DRAWN BY: REK / JRO	CHECKED BY: JDC	JOB No.: HH-049
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