

APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) 5/14/04 TEST TIME 9:00 A# 520336

AGENCY REVIEW: Well supply must confirmed. DATE 5/3/2004

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) CARLOS GARCIA + CAROL KAYE-GARCIA

DAYTIME PHONE 410-963-8387 CELL _____ FAX _____

MAILING ADDRESS 3100 McNEAL ROAD WOODBINE MD 21797
STREET CITY/TOWN STATE ZIP

APPLICANT SAME AS OWNER

DAYTIME PHONE _____ CELL _____ FAX _____

MAILING ADDRESS _____
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME CAVEY PROPERTY Parcel LOT NO. A

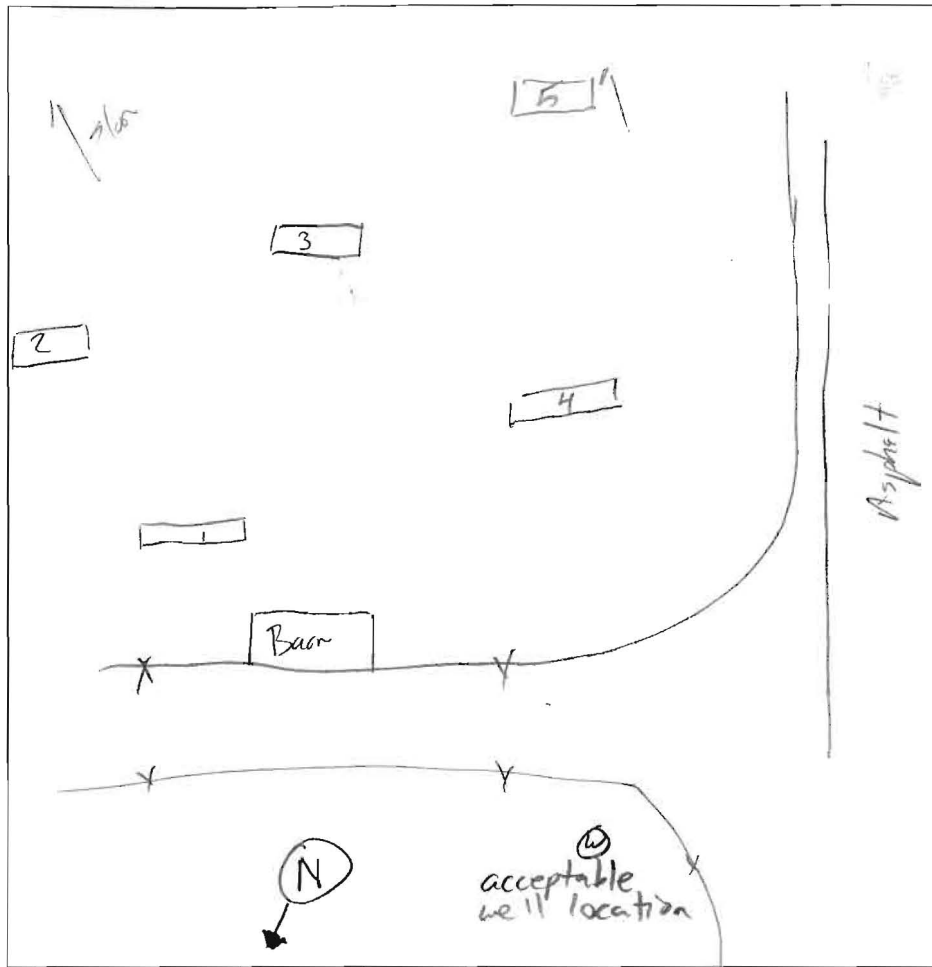
PROPERTY ADDRESS 3100 McNEAL ROAD WOODBINE
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 14 GRID _____ PARCEL(S) 246 PROPOSED LOT SIZE 62.8 Ac

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. Carol D. Kaye-Garcia
SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM
3525-H ELLICOTT MILLS DRIVE, ELLICOTT CITY, MARYLAND 21043-4544 (410) 313-1771 FAX (410) 313-2648
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH



1
Brown SCL
2
Brown FL
3
Brown FSL
w/ < 5% weak sap

2
Brown SCL
2
Brown FL
3
Brown FSL
w/ < 10% weak sap

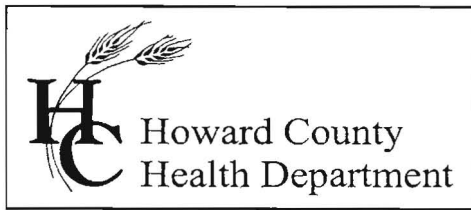
3
fine brown SCL
2
Brown FL
3 1/2
Brown FSL
11
Brown FSL
13
w/ 10-15% coarse frags

4
fine brown SCL
1 1/2
fine brown L
3
FSL
w/ < 5% coarse frags

5
brown FL
2 1/2
brown FSL
w/ < 5% weak sap + M frags
13

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
5/14/04	1	4/12	9:28	9:33	9:41	8	P
5/14/04	2	4/12	9:40	9:46	9:53	7	P
5/14/04	3	13V	0.4	@ 3 1/2		2-7	P
5/14/04	4	4/13 1/2	9:20	9:22	9:28	6	P
5/14/04	5	4/13	9:27	9:36	9:47	11	P

REMARKS Holes dug per plan
 SANITARIAN J. Boris BACKHOE Freedom OTHERS _____
 TEST HOLES USED IN SDA All AVG. PERC TIME _____ SQ. FT/BR 180
 TRENCH WIDTH 3 INLET DEPTH 3 MAX. BOT DEPTH 5 EFFECTIVE SW 2



3525 H Ellicott Mills Drive, Ellicott City, MD 21043
(410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
website: www.hchealth.org

Penny E. Borenstein, M.D., M.P.H., Health Officer

May 19, 2004

Mr. & Mrs. Carlos Garcia
3100 McNeal Road
Woodbine, Maryland 21797

RE: PERCOLATION TEST RESULTS-A520336
Tax Map 14, Parcel 246
Cavey Property

Dear Mr. & Mrs. Carlos Garcia:

Percolation testing conducted May 14, 2004 on the referenced property indicated satisfactory soil conditions. Copies of the test results are enclosed.

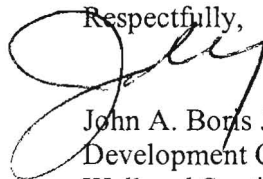
Further review is contingent upon submission by a registered engineer/surveyor of a percolation certification plan showing the following:

- 1) Actual locations and elevations of all excavated test holes
- 2) A suitable house and well site for each lot
- 3) Two replacement well sites or approximately 1500 square feet of approvable well area for each lot
- 4) All existing wells and septic reserve areas on the property
- 5) Locations of any other relevant features such as streams, swales, or existing structures
- 6) A note must be included certifying that all existing wells and septic systems within 100 feet of property boundaries have been shown
- 7) A note indicating that depicted topography reflects field-matched information
- 8) A health officer signature block stating "approved for private water and private sewerage systems"
- 9) A MDE sewage disposal area statement is required

The soil results proved to be excellent but the test plan lacked a well location. Discussion onsite found a suitable location for a well. See attached copy for further detail.

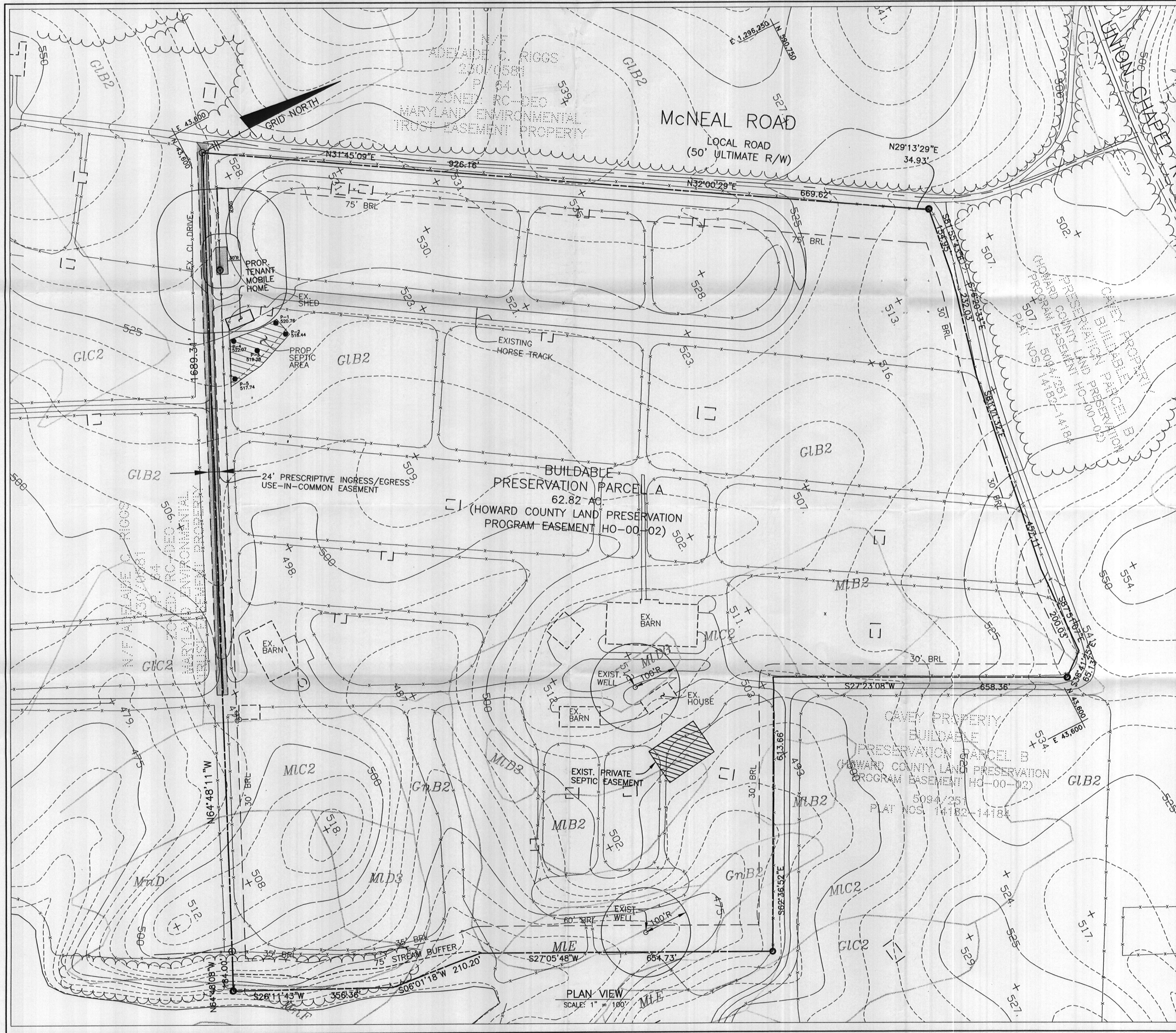
The percolation certification plat should be submitted within 60 days to allow field verification if necessary. If you have any questions regarding this matter, please contact me at the above address or by calling (410) 313-1771.

Respectfully,

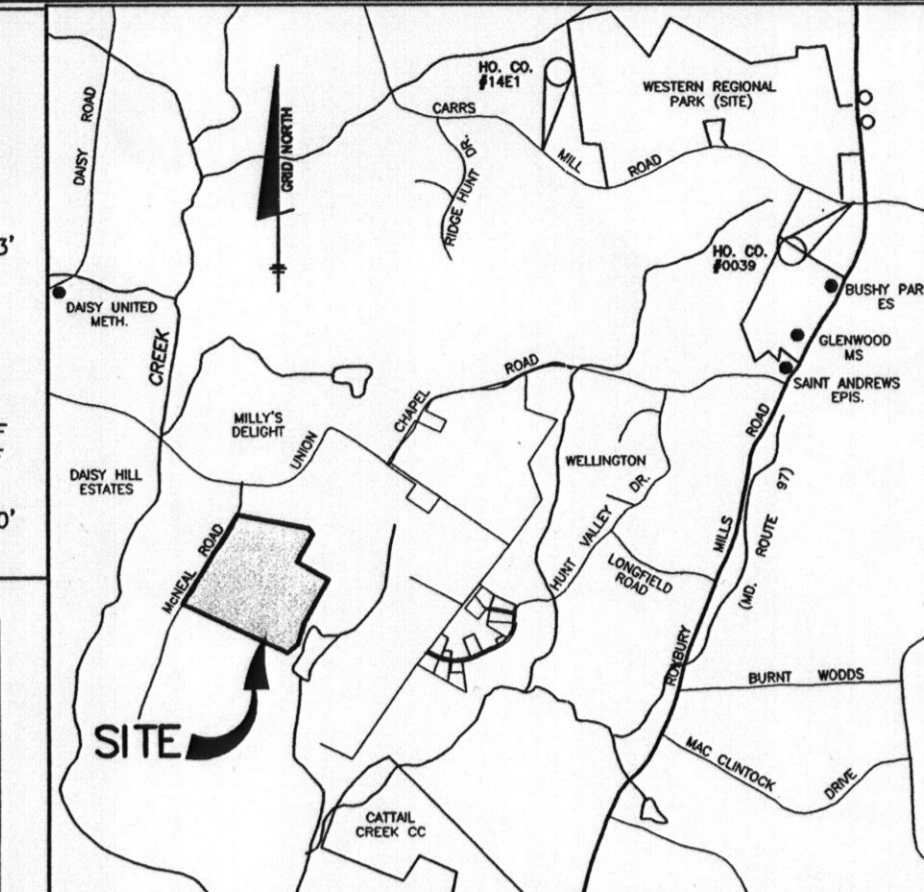


John A. Boris Jr., R.S.
Development Coordination Section
Well and Septic Program

JB
Enclosures
cc: Benchmark Engineering, Inc.
File



BENCH MARKS NAD'83
 HO. CO. #14E1
 STAMPED BRASS DISK SET ON TOP OF CONC. BASE @ SOUTHWEST CORNER OF CARRS MILL ROAD AND ROUTE 97; 33.4' SOUTH OF CL OF CARRS MILL ROAD AND 40.3' WEST OF CL OF ROUTE 97.
 N 596213.6182' E 1301991.8973'
 ELEV. 590.862'
 HO. CO. #0039
 STAMPED BRASS DISK SET ON TOP OF CONC. BASE @ SOUTHWEST CORNER OF CARRS MILL ROAD AND ROUTE 97; 33.4' SOUTH OF CL OF CARRS MILL ROAD AND 40.3' WEST OF CL OF ROUTE 97.
 N 595722.8341' E 1306481.8720'
 ELEV. 590.862'



LEGEND

SOIL CLASSIFICATION	CHDS
SOILS DELINEATION	---
EXISTING CONTOURS (HOWARD COUNTY DIGITAL)	---
LIMIT OF WETLANDS	---
EXISTING WOODS LINE	---
PROPOSED WOODS LINE	---
EXISTING STRUCTURE	[]
PROPOSED STRUCTURE	[]
EXISTING WELL FIELD SHOT	○ W. WELL
EXISTING SEPTIC FIELD	[]
PROPOSED SEPTIC FIELD	[]
PROPOSED PERCOLATION TEST	○ P-10
PASSED PERCOLATION TEST	● P-10
PROPOSED WELL	○
1500 S.F. WELL ZONE	[]

SITE VICINITY MAP
 SCALE: 1" = 2000'

- NOTES**
- THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY THE STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWER IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENT INTO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT PLAT SHALL NOT BE NECESSARY.
 - TOPOGRAPHY SHOWN HEREON IS BASED ON HOWARD COUNTY 200' SCALE TOPO. MAPS.
 - EXISTING WELLS AND/OR SEWERAGE EASEMENTS WITHIN 100 FEET OF THE PROPERTY HAVE BEEN SHOWN FROM THE BEST AVAILABLE INFORMATION.

SOILS LEGEND

MAP SYMBOL	SOIL GROUP	SOIL TYPE
GIB2	B	GLENELG LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED
GIC2	B	GLENELG LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED
GIB2	C	GLENVILLE SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED
MIB2	B	MANOR LOAM, 3 TO 6 PERCENT SLOPES, MODERATELY ERODED
MIC2	B	MANOR LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED
MID3	B	MANOR LOAM, 15 TO 25 PERCENT SLOPES, SEVERELY ERODED
MIE	B	MANOR LOAM, 25 TO 45 PERCENT SLOPES
MnD	B	MANOR VERY STONY LOAM, 3 TO 25 PERCENT SLOPES
MnF	B	MANOR VERY STONY LOAM, 25 TO 60 PERCENT SLOPES

* INDICATES HYDRIC SOILS
 TAKEN FROM SOILS SURVEY, ISSUED JULY 1968, MAP NO. 7

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.

Donald Mason 5/25/04
 DONALD MASON P.E. NO. 21443
 PLAN PREPARER

APPROVED FOR PRIVATE WATER AND SEWERAGE SYSTEM
 HOWARD COUNTY HEALTH DEPARTMENT

Debra Kuntze 5-22-04
 HOWARD COUNTY HEALTH OFFICER
 DATE

NO.	DATE	REVISION

BENCHMARK ENGINEERING, INC.
 ENGINEERS • LAND SURVEYORS • PLANNERS
 8480 BALTIMORE NATIONAL PIKE • SUITE 418 • ELLICOTT CITY, MARYLAND 21043
 PHONE: 410-465-6105 FAX: 410-465-6844

OWNER: CARLOS GARCIA
 3100 McNEAL ROAD
 WOODBINE, MD 21797

PROJECT: CAVEY PROPERTY PRESERVATION PARCEL A
LOCATION: TAX MAP NO. 14.21 - PARCEL 246
 GRIDS - 1-2 & 19-20
 4TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

TITLE: PERCOLATION CERTIFICATION PLAN

DATE: MAY, 2004 **PROJECT NO.** 1745
SCALE: 1" = 100' **DRAWING** 1 OF 1

Design: DAM **Draft:** EDD