



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____ A/P _____

AGENCY REVIEW: _____ DATE _____

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) *on existing property*
- ☐ 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) Thomas Dearstine

DAYTIME PHONE 301-2633 1401 CELL Same FAX 410-552 5815

MAILING ADDRESS 13995 Triadelphia Rd. Glenelg Md. 21737
STREET CITY/TOWN STATE ZIP

APPLICANT J.M. Cont. LLC. / Ronnie Heaps

DAYTIME PHONE 443-277 7526 CELL Same FAX 410-552-5815

MAILING ADDRESS 425 OBracht Rd. Sykesville Md. 21784
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION Pole Barn on Existing Lot (Robert Bricker Jr.)
SUBDIVISION/PROPERTY NAME LOT NO.

PROPERTY ADDRESS 13995 Triadelphia Rd. Glenelg Md. 21737
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) _____ GRID _____ PARCEL(S) _____ PROPOSED LOT SIZE _____

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. Robert Bricker Jr.
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

Robert Bricker Jr. Knows About this Lot.

A/P _____

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H

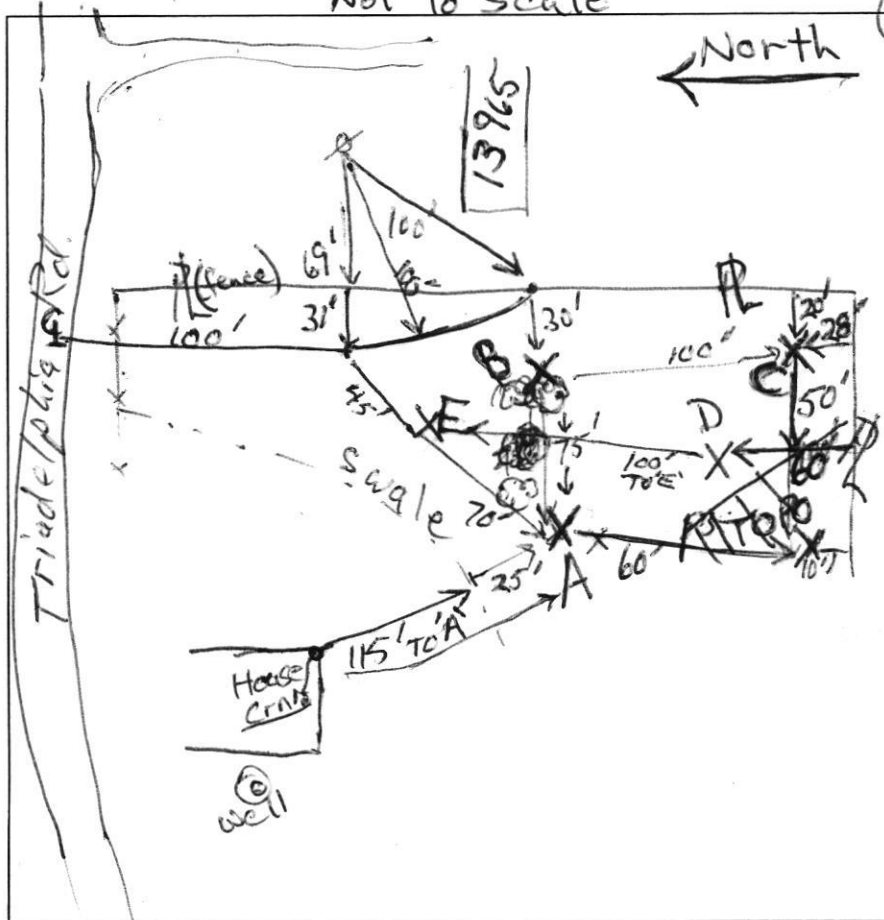
REMARKS _____

SANITARIAN _____ BACKHOE _____ OTHERS _____

TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____

TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE S/W _____

Not to Scale



A
 0.5' dk brn fsl
 1.5' H brn fsl
 4' pale red
 lfs saprolite
 multicolor
 saprolite
 lfs & m
 pale red,
 pale yellow
 white
 8.5' pale red
 saprolite
 12' 5% channers

B
 0.5' brn fsl
 1.5' brn fsl
 2' brn fsl
 3' pale red
 saprolite
 lfs, & m
 multicolor
 saprolite
 lfs
 pale red,
 pale yellow
 white
 10' pale red sap.
 pockets red &
 12' 10% channers H brn

C
 0.5' brn fsl
 1.5' brn fsl
 1.5' brn red gr fsl
 3' multicolor
 saprolite
 lfs, & m
 red, white,
 pale yellow
 few
 channers
 13'

D
 0.5' dk brn fsl
 1.5' brn fsl
 1.5' multicolor
 saprolite
 red, white
 pale yellow, black
 w/ yellow brn
 lfs, & m
 vertical
 shale vein
 to 3'
 weathered, &

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
12/28	A	4' 1/2'	Ø	1.5 min	4.5 min	3 min	P
12/28	B	3.5' 1/3'	Ø	4 min	10 min	6 min	P
12/28	C	4' 1/3'	Ø	3 min	8.5 min	5.5 min	P
12/28	D	4' 1/2'	Ø	5 min	11 min	6 min	P
12/28	E	13'	Visual	similar properties			P

E
 0.5' brn fsl
 1.5' brn fsl
 3.5' brn fsl
 4.0' multicolor
 saprolite
 lfs, & m
 pocket boulders
 at 4' to 6.5'
 (10% overall)
 11' pale red
 saprolite
 13' 46% soft rock
 cr. crushes
 loam.

REMARKS

SANITARIAN

RB

BACKHOE

Darrell, Matt

OTHERS

Tom Dearstine

TEST HOLES USED IN SDA

A, B, C, D, E

AVG. PERC TIME

5 min

SQ. FT/BR

125

TRENCH WIDTH

INLET DEPTH

MAX. BOT DEPTH

EFFECTIVE S/W

SITE INSPECTION SHEET

OWNER: Thomas & Molly Dearstine PHONE #: _____

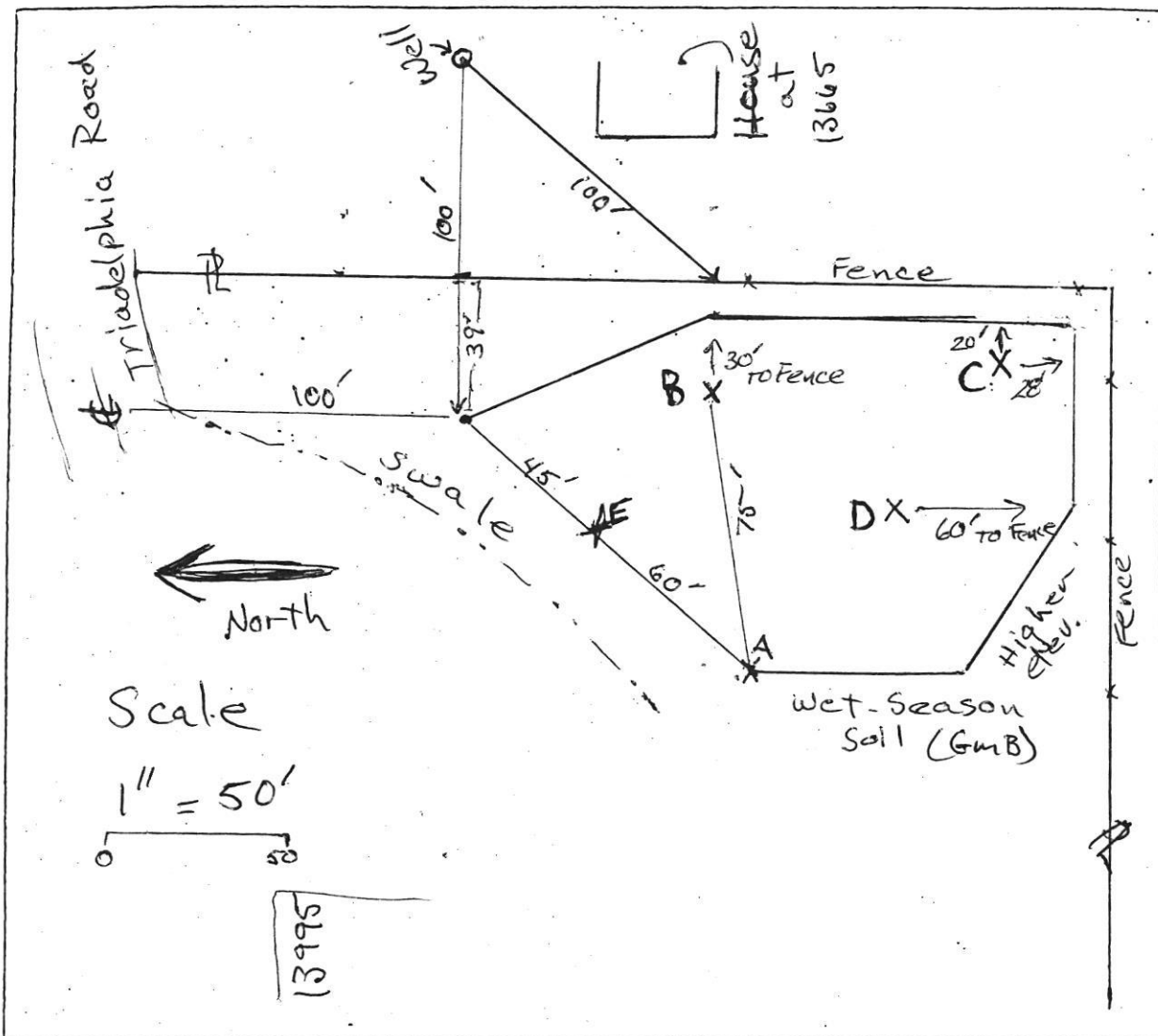
ADDRESS: _____ CONTRACTOR: _____

_____ WELL TAG #: _____

SUBDIVISION: _____ LOT: _____ COUNTY #: _____

PROPOSAL: Proposed septic easement for 13995 Triadelphia Rd.

LOCATION DIAGRAM



COMMENTS: Drawn by Robert Bricker, Howard County
12/28/06 Environmental Health

SITE INSPECTION SHEET

OWNER: Thomas & Molly Dearstine PHONE #: _____

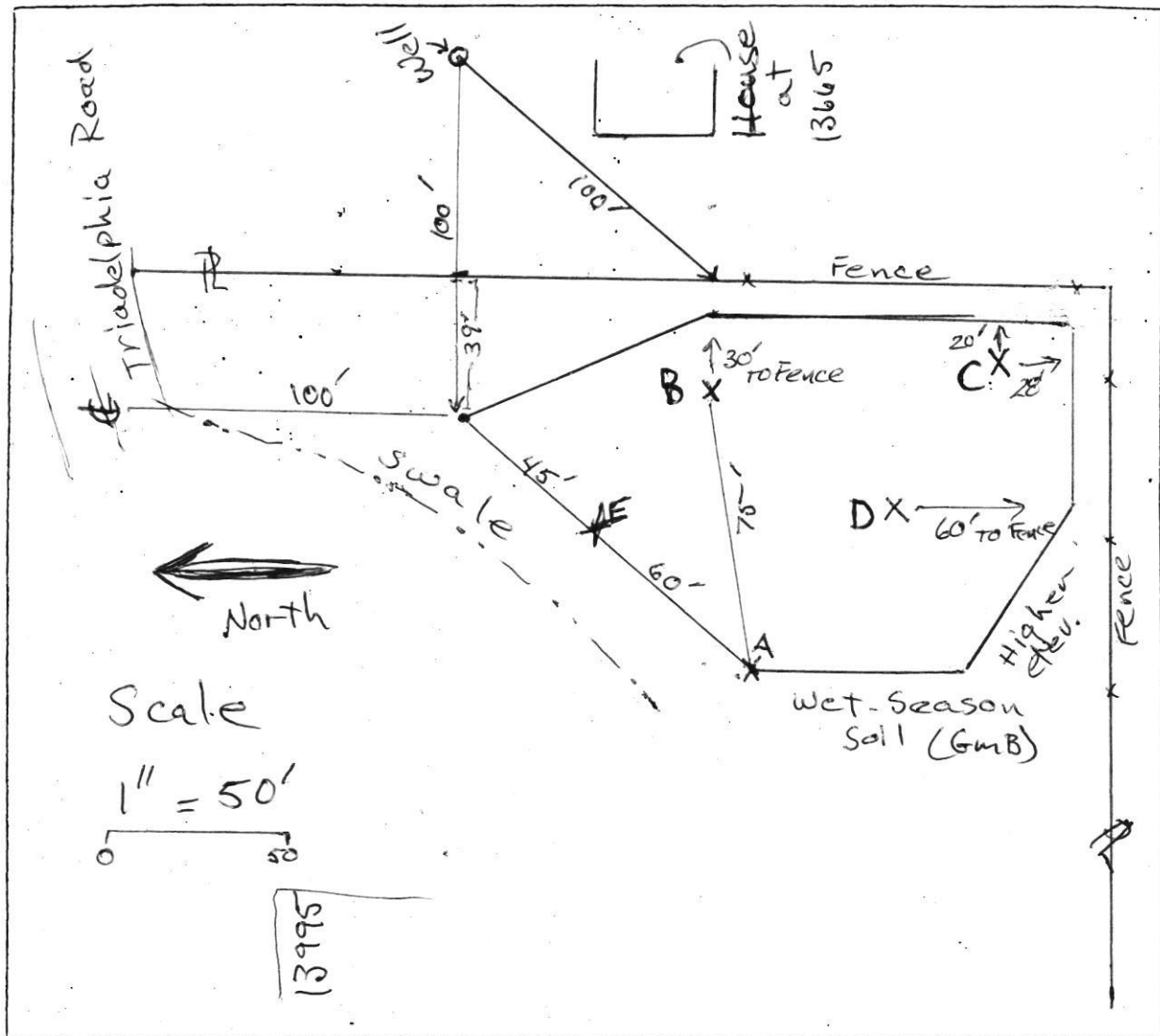
ADDRESS: _____ CONTRACTOR: _____

WELL TAG #: _____

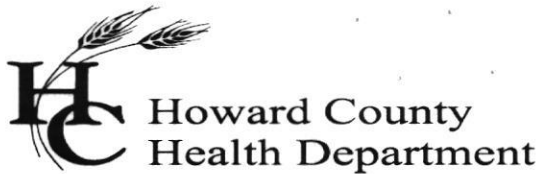
SUBDIVISION: _____ LOT: _____ COUNTY #: _____

PROPOSAL: Proposed septic easement for 13995 Triadelphia Rd.

LOCATION DIAGRAM



COMMENTS: Drawn by Robert Bricker, Howard County
12/28/06 Environmental Health



Bureau of Environmental Health
7178 Columbia Gateway Drive, Columbia MD 21046
(410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-899-313-6300
website: www.hchealth.org

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

December 29, 2006

Thomas and Mary Dearstine
13995 Triadelphia Road
Glenelg, Maryland 21737

RE: PERCOLATION TEST RESULTS, 13995 Triadelphia Road, A-525698

Dear Mr. & Mrs. Thomas Dearstine,

Percolation testing was conducted on the subject property on December 28, 2006, for the purpose of defining a septic easement. Field data collected are shown on the Percolation Test Worksheet enclosed with this letter. Recommended Inlet and Trench Bottom depths, and Usable Sidewall are provided for subsequent system design, and all are based on observed soil properties and characteristics at the 5 respective test locations as well as the particular soils materials tested or observed at those locations.

Percolation test results indicate soils' conditions that are satisfactory for onsite wastewater disposal in the area tested. Parameters for system design are shown on the Percolation Test Results worksheet: depth of Inlet is to be 4 feet, with 3 feet of gravel to Trench Bottom at 7 feet. Values for Trench Width and Total Trench Length will be established at the time a new drainfield is installed in the easement.

The septic easement boundaries are as follows, beginning with test location 'A': from 'A' due south 60 feet on contour is the base (lowermost elevation) of the easement; from 'A' due Northeast through test location 'E' to a point 105' distant (which is 100 feet due south of centerline Triadelphia Road and 100 feet due west from well at 13665 Triadelphia Road), then to a point 10 feet west of where the 100-foot well setback intersects the fence at the subject property's east boundary, then parallel with the fence approximately 100 feet distant to a point 14.14 feet NW of the southeast fence corner, then parallel with the subject property's south fence (re: property boundary) a distance of 50 feet, then due northwest approximately 60 feet intersecting the line segment that forms the base of the easement. These boundaries exclude an area to the southwest that does not fit topographically with the rest of the easement, and the boundaries are otherwise defined by proximity to property line, 100-foot well setback, setback from swale, and wet-season soil. The easement boundaries are drawn and described primarily in relation to the fences which are believed to be on or very near to the property boundary, see Figure 1.

It appears that the area does not include 10,000 square feet. Using an estimated (current) maximum daily flow for the existing residence as 600 gallons and Trench Width of 3 feet, the Total Trench Length required is 83 feet. The defined easement can easily accommodate a primary system and two replacement systems for the existing residence. To allow maximum flexibility of housing choices for the current owner and/or potential future property owners, efficient use of the defined easement is emphasized. The initial system to be installed in this easement may be designed with gravity feed from the current residential site. Effluent would have to be pumped to the uppermost portion of the easement.

The existing septic system was inspected at the cleanout, and in the drainfield: no evidence of system failure was observed. The existing septic tank is located about 60 feet east from the residence, its location being approximately 95-to-100 feet from the existing well which is on the west side of the residence. The well is located in a landscaped bed, but the condition was not observed and recorded. The property owner has no complaints concerning the well's performance or water quality.

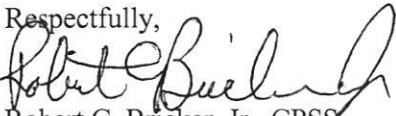
As the proposed pole barn (Building Permit #B06007888) relates to the defined boundaries of the septic easement: the excavation for the pole barn's floor must be 20 feet or more distant from the lower most boundary of the easement.

Further review of the Building Permit proposal is contingent upon submission of a Percolation Certification Plan that meets county requirements. I have previously sent a list of current Howard County Health Department requirements for Percolation Certification Plan content.

Enclosures I have included with this report include: a copy of the Percolation Test Worksheet, a Site Inspection Form (re: Figure 1), a print output from the Howard County GIS (nearly to scale, 1"=100') showing proposed boundaries of septic easement in relation to county layers for topography, soils and building locations, and including the existing well and septic system, and an aerial print showing approximate location of existing well, existing septic tank cleanout and the well at 13665 Triadelphia Road. Also included is a sheet showing examples of statements required on the Percolation Certification Plan.

If you have any questions regarding this matter, please contact me at the above address or by calling (410) 313-2691.

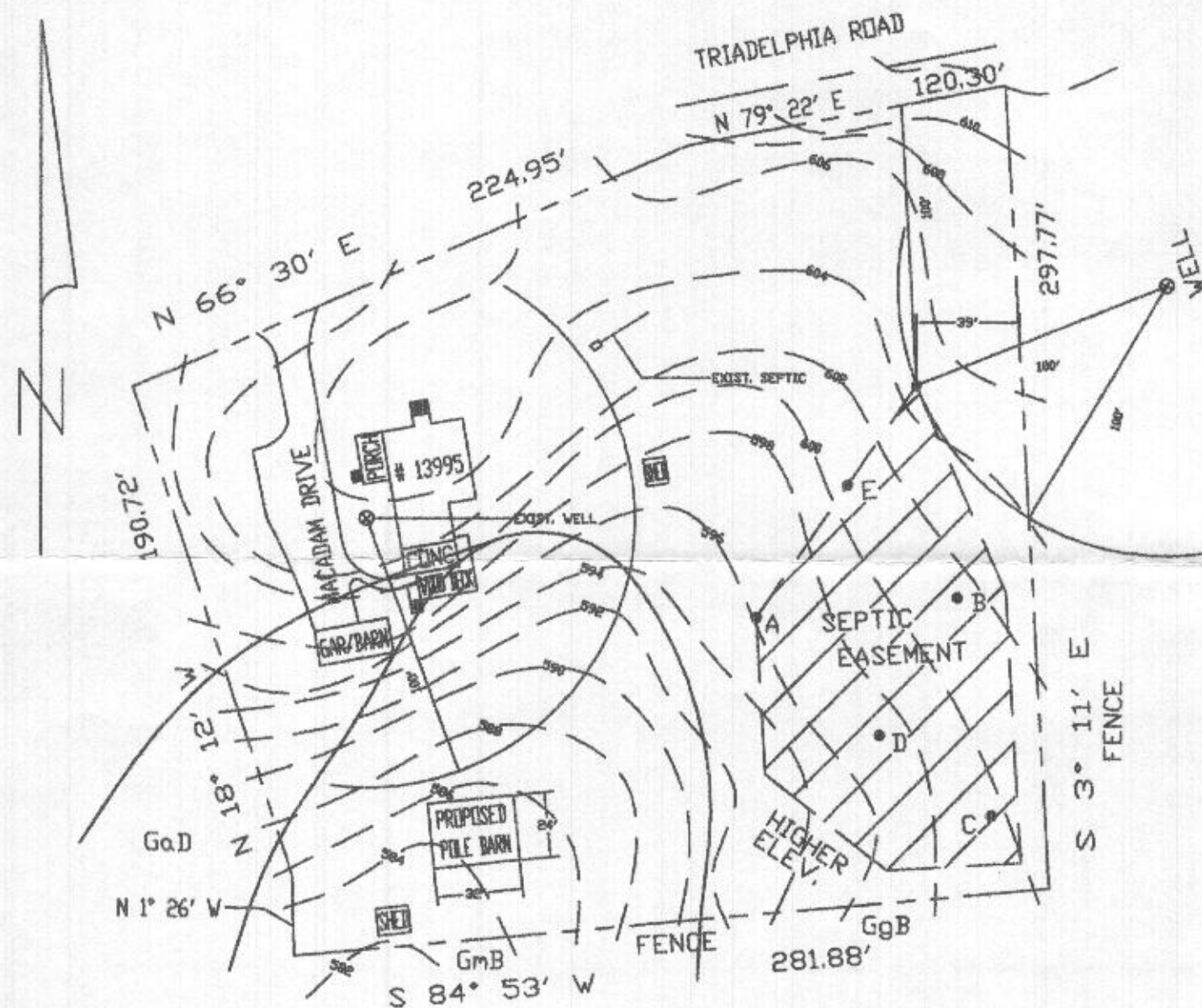
Respectfully,



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

Enclosures

CC: File



LEGEND

- ⊙ EXIST. WELL
- HOLES THAT PASSED

NOTES:

EASEMENT AREA = 12,000 SQUARE FEET

TABLE OF TEST LOCATION ELEVATIONS

TEST LOCATION	ELEVATION
A	594'
B	602'
C	599'
D	596'
E	599'

NOTES

1. ALL EXISTING WELLS ON THE SUBJECT BOUNDARY AND WITHIN 100 FEET OF SUBJECT PROPERTY BOUNDARIES ARE REPRESENTED TO THE BEST OF MY KNOWLEDGE AND BELIEF.
2. TOPOGRAPHY ON THIS PLAT IS FROM HOWARD COUNTY DATA AND IS VERIFIED TO ACCURATELY REPRESENT THE RELATIVE ELEVATION CHANGES ON THE SUBJECT PROPERTY.
3. THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT.
4. ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
5. THIS AREA DESIGNATES A PRIVATE SEWAGE DISPOSAL AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF 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.

I CERTIFY THAT THE INFORMATION SHOWN HEREON IS BASED ON WORK PERFORMED IN MY PRESENCE OR BY MY DIRECTION, AND IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

OWNER:

Thomas Dearstine

DATE:

3-29-07

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.

HEALTH OFFICER:

Brian for Peter Brilemson

DATE:

4/13/2007

13995 TRIADELPHIA ROAD
PERCOLATION CERTIFICATION PLAN
A-525698

THOMAS DEARSTINE - OWNER/PLAN DEVELOPER
13995 TRIADELPHIA ROAD
GLENELG, MD 21737
PHONE: 410-489-4581

SCALE: 1"=60'

DRAWN BY: JACK CHIZIK

TAX MAP #22 PANEL #53

REVISED 3-28-07