

# APPLICATION

PERCOLATION TESTING

A \_\_\_\_\_

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 313-2640

DISTRICT \_\_\_\_\_

DATE 8/15/95

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Feaga Family NV HOMES

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

AGENT OR PROSPECTIVE BUYER Land Marketing Inc. C/O Tim Feaga

ADDRESS 3243 Bethany Lane Ellicott City 21042 PHONE 313-8808

PROPERTY LOCATION:

SUBDIVISION Feaga Property LOT NO. 1820 1816

ROAD AND DESCRIPTION Rt 144 + Folly Quarter Rd  
11524 Stardust Lane

TAX MAP 16 + 23 PARCEL # 34 + 63

SIZE OF LOT 1 acre +/- TYPE BLDG. SFD - 4BDM  
(SINGLE FAMILY DWELLING OR COMMERCIAL)

**BLDG. PERMIT SIGNED**  
**AND RETURNED 6-24-95**  
Serial # B10118680

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE AGE

FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO

COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT. Mark A. Reich  
(SIGNATURE OF APPLICANT)

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

DISAPPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

HOLD PENDING FURTHER TESTS \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING \_\_\_\_\_  
TAXES \_\_\_\_\_

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

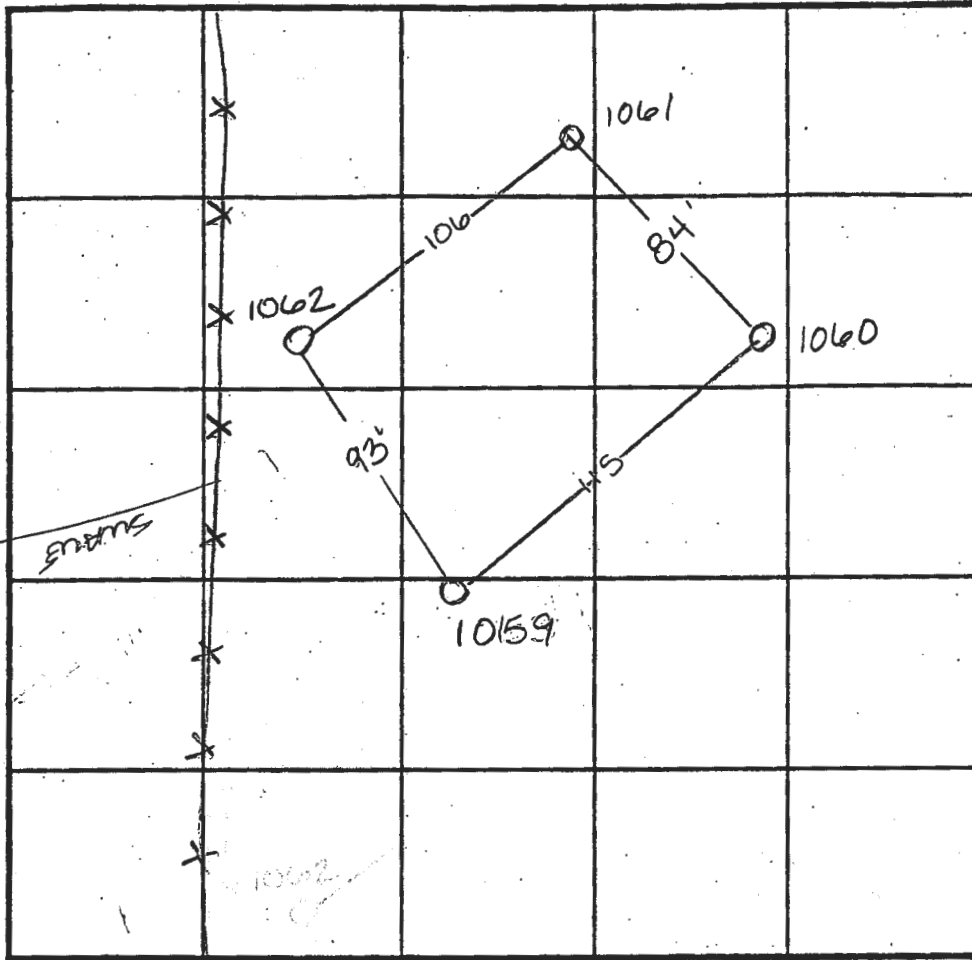
THE  
FEE  
THIS IS NOT A PERMIT

COUNTY #

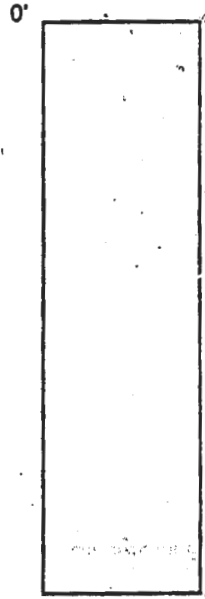
SOIL PROFILE

1062

no distinct clay layer pink to lgt tan silty very micaceous



SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

1059 1061

layered decayed shale pink to tan silty

greyish tan silty very micaceous 100% decayed saprotic

1060

lgt tan silty micaceous

orange tan silty micaceous

100% decayed shale

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
9-18-95	1062	3' VII	2:43	2:44	2:44	2:46	2min
	1059	3.5' VII	2:41	2:42	2:42	2:43 <sup>30</sup>	1 1/2 min
	1061	Visual to 11'	See profile		—		OK
	1060	3' VII.5	2:40	2:45	2:45	2:47	2min

REMARKS \_\_\_\_\_

TYPE OF SOIL \_\_\_\_\_

TESTED BY Amy McMillen ALSO PRESENT Mark Reich

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_

INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT./BEDROOM \_\_\_\_\_



on Parcels: 701  
ation Parcels: 1  
rcels: 0

recorded: 30.2475 Δct

s: 7.4687 Δct

on Parcels: 16.3931 Δct  
ation Parcels: 6.3857 Δct  
rcels: 0 Δct

y to be recorded: 1.8277 Δct

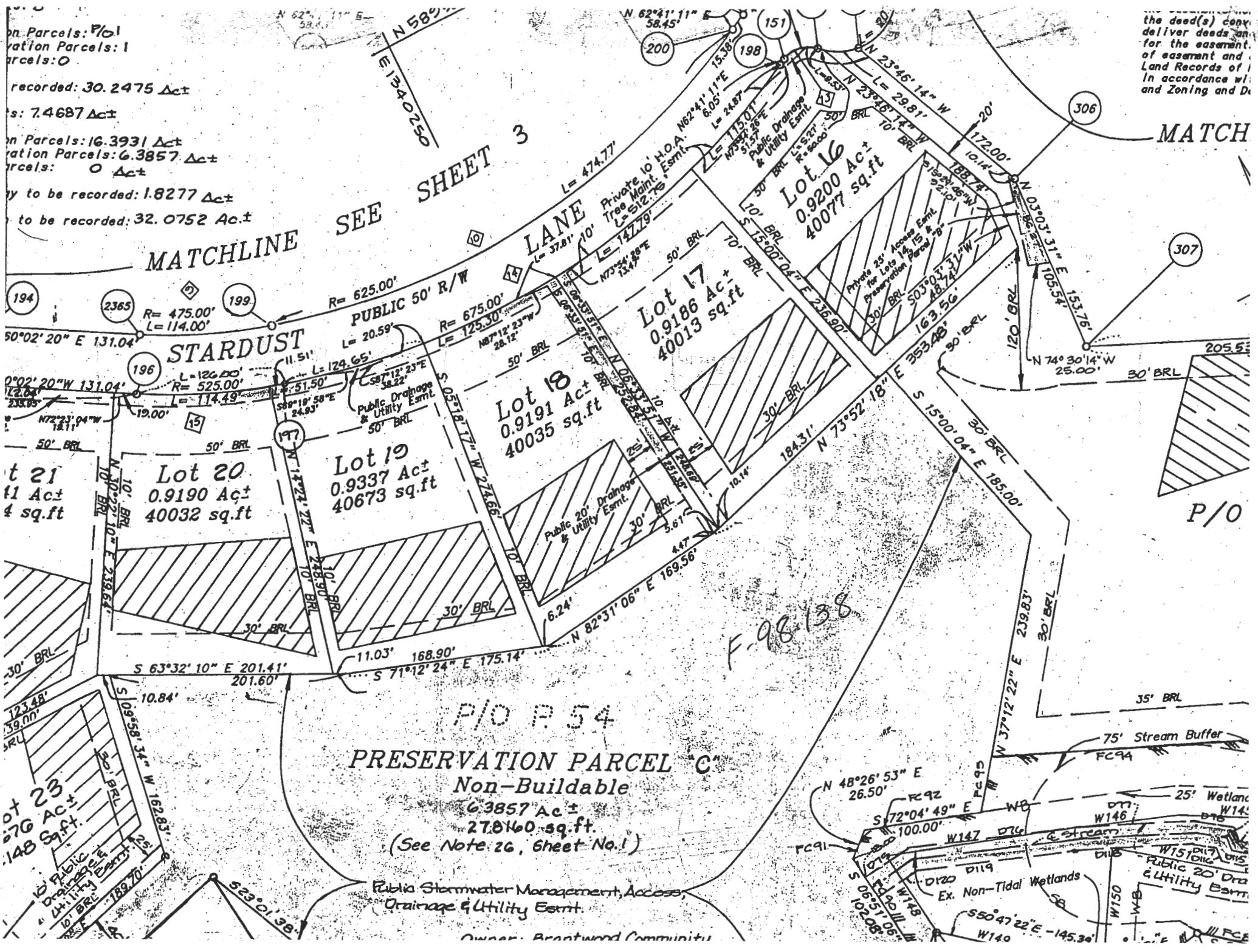
to be recorded: 32.0752 Ac.±

the dead(s) copy  
deliver deads an  
for the easment.  
of easment and  
Land Records of  
In accordance w/  
and Zoning and D

MATCHLINE

SEE SHEET 3

MATCH



t 21  
11 Ac±  
4 sq.ft

ot 23  
276 Ac±  
1188 sq.ft.

P/O

P/O P 54  
**PRESERVATION PARCEL "C"**  
Non-Buildable  
6.3857 Ac±  
278160 sq.ft.  
(See Note 26, Sheet No. 1)

Public Stormwater Management, Access,  
Drainage & Utility Easmt.

Owner: Brentwood Community

N 48°26'53" E 26.50'  
S 72°04'49" E 100.00'  
W147 D16  
W146 D17  
W145 D18  
W144 D19  
W143 D20  
W142 D21  
W141 D22  
W140 D23  
W139 D24  
W138 D25  
W137 D26  
W136 D27  
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W14 D149  
W13 D150  
W12 D151  
W11 D152  
W10 D153  
W9 D154  
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W7 D156  
W6 D157  
W5 D158  
W4 D159  
W3 D160  
W2 D161  
W1 D162



Howard County  
Health Department

7178 Columbia 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](http://www.hchealth.org)

Maura J. Rossman, M.D. Health Officer

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MEMORANDUM

TO: Dennis Ream  
Clark, Finefrock & Sackett, Inc.

FROM: Heidi Scott  
Well and Septic Program  
Development Coordination Section

RE: Revised Percolation Certification Plan  
**11524 Stardust Lane**

DATE: July 12, 2013

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The following comments apply to the above referenced plan. These comments must be addressed prior to plan approval

- Label the percolation tests with the test numbers (1060 thru 1063).
- Show percolation test 1063.
- The lower portion of the original septic reserve area is not shown. Include this within the new proposed septic area.
- Revise the proposed wellbox to stay 100' from the existing septic tank location.

Cc:  
File

- Full easment not shown
- all perc holes not skimming/  
not numbered
- is DILP OK with location of  
sports court?
- revise well box so it is 7100'  
from tank



# CLARK • FINEFROCK & SACKETT, INC.

ENGINEERS • PLANNERS • SURVEYORS

June 27, 2013

Mr. Michael Davis  
Howard County Health Department  
7178 Columbia Gateway Drive  
Columbia, MD 21046

RE: Brantwood, Lot 16  
11524 Stardust Lane  
Revision of Percolation Certification Plat

Dear Mr. Davis:

The owner of Lot 16 would like to reduce the size of the sewerage easement on Lot 16 in order to construct a 30' x 40' sports court in his rear yard. The current size of the existing sewerage easement is 13,780 SF.

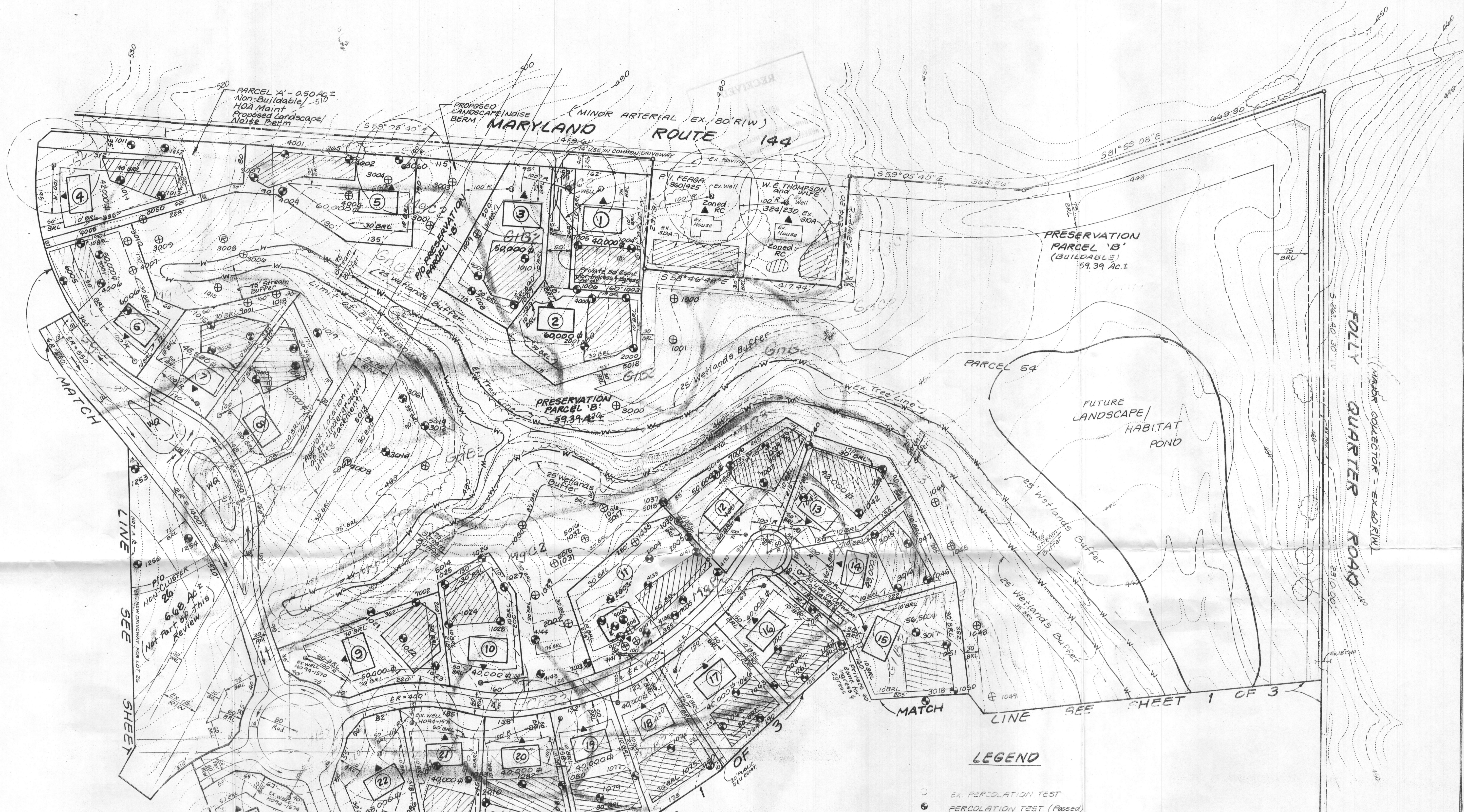
When the first increment of the septic system was installed in 1999, the requirement was for four laterals with a total length of 240'. A recent review of the computations used to determine total lateral length by your staff indicated that the total lateral length for future increments could be reduced to 208' per increment. On that basis, and by slightly offsetting each future increment to the west, sufficient area would become available to construct the sports court without impacting the future septic system.

The residual sewerage easement will be 10,290 SF, which meets minimum State requirements and provides adequate area for future septic system expansion as required.

If we can provide any additional information or clarification, please contact me.

Sincerely,

Dennis A. Ream  
Clark, Finefrock & Sackett, Inc.



THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR SHARED SEWAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THE AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SYSTEM.

THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY THE MD. STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENTS INTO THE PRIVATE SEWAGE EASEMENT. RECORDED OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS FOR LOTS 1-25, 27-32 BUILDABLE PRESERVATION PARCEL 'B' SECTION ONE, LOTS 10-47 SECTION TWO AND FOR PRIVATE WATER AND TENTATIVE SHARED SEWERAGE SYSTEM FOR LOTS 1-9 SECTION TWO. HOWARD COUNTY HEALTH DEPARTMENT.

*Bruce D. Burfan*  
 9/8/98  
 DATE

*Bruce D. Burfan*  
 11/3/97

**LEGEND**

- EX. PERCOLATION TEST
- PERCOLATION TEST (Passed)
- ⊕ PERCOLATION TEST (Failed)
- ⊗ ROCK/CLAY - PERC. TEST
- ⊙ EX. WELL SITE
- ▨ EX. SEWAGE DISPOSAL EASEMENT
- ▧ PROP. SEWAGE DISPOSAL EASEMENT
- ▩ SOIL GROUP DELINEATION
- ▬ 25% OR > STEEP SLOPES
- ① PROP. DWELLING / LOT NUMBER
- ▲ FRONT ORIENTATION
- PROP. WELL SITE
- ▨ PROP. SHARED SEWAGE DISPOSAL EASEMENT

NO.	DATE	DESCRIPTION
2	9/11/98	Revised SDA Lot 11, 17, 18 Well Lot 16
1	5/22/98	Revise Lot Numbers, Remote Wells 11, 12
REVISIONS		

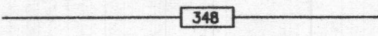

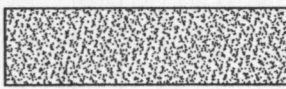

**LDE, INC.**  
 9250 Rumsey Road, Suite 106, Columbia, MD. 21045  
 (410) 715-1070 (301) 596-3424 (410) 715-9540 (Fax)

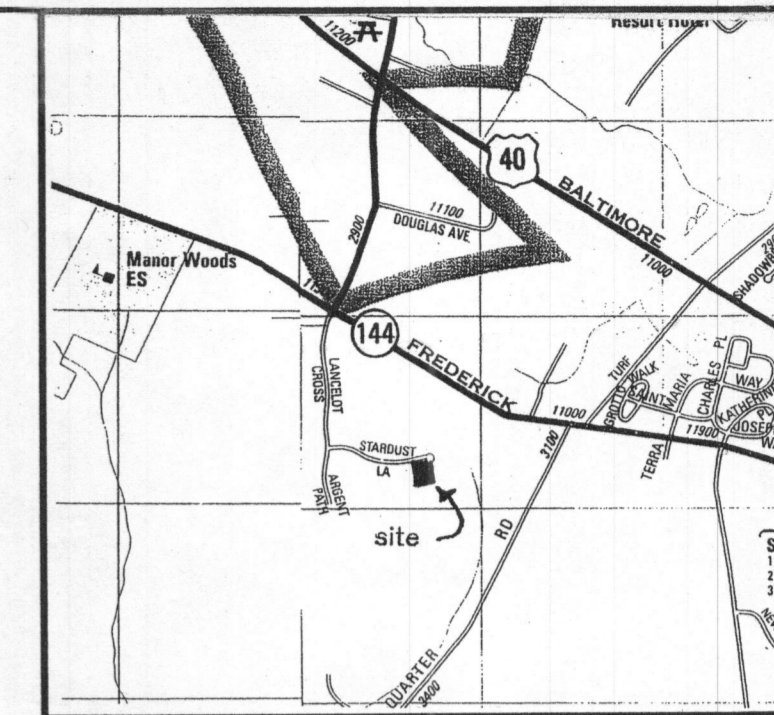
Designed: BOB	REVISED PERCOLATION TEST PLAN GRANT WOOD <b>FEAGA PROPERTY</b>	Scale: 1"=100'
Drawn: KBW	MD. RTE 144 AT FOLLY QUARTER ROAD SECTION ONE LOTS 1-33; PAR. A-D SECTION TWO LOTS 1-47; PAR. E-G Tax Maps 16 & 23 Parcels 54, 62, 214 & 390	Drawing 2 of 3
Checked: BOB	3rd Election District, Howard County, MD. Previous Submittals: 576-23, P98-08, F98-138	LOE Job# 95-056
Date: Oct 1995	DEVELOPER BRANTLY DEVELOPMENT GROUP INC. 8835 Columbia 100 Parkway Unit P, Columbia, MD. 21045	File No.

SOILS		
KEY	NAME	CLASS
G1B2	GLENELG SILT LOAM, 3-8% SLOPES	B
MgB2	MONTALTO SILT LOAM 3-8% SLOPES	B

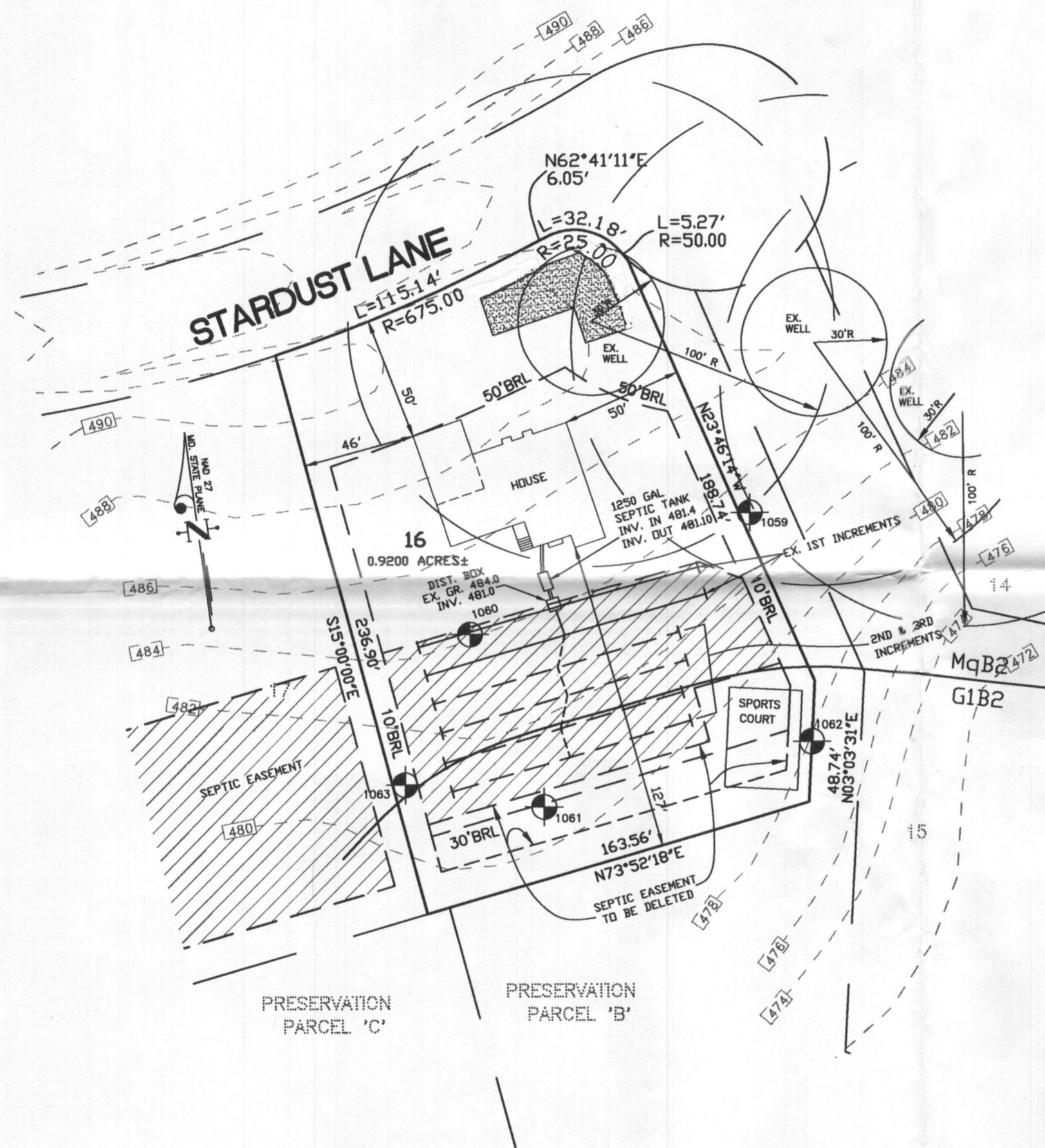
SEPTIC EASEMENT AREAS		
LOT NUMBER	LOT AREAS (SQUARE FEET)	SEPTIC EASEMENT (SQUARE FEET)
16	40,075	ORIGINAL 14,072 REVISED 10,230

LEGEND



- CONTOUR INTERVAL 2 FT.
- EXISTING CONTOUR 
- EXISTING SEPTIC EASEMENT 
- 1,500 SQUARE FOOT WELL BOX 
- EXISTING PERCOLATION TEST 



VICINITY MAP  
SCALE: 1" = 2,000'



GENERAL NOTES:

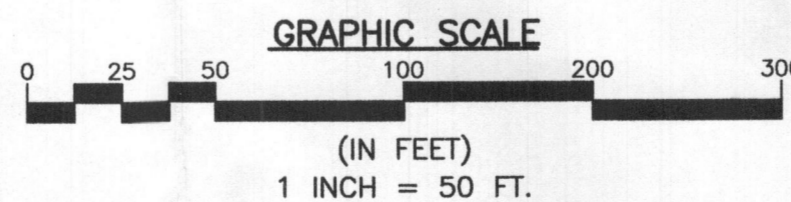
- Existing topography shown is from Howard County aerial topography dated April 2006.
- All existing and proposed, septic systems and wells within 100' feet of the adjoining property have been shown.
-  This area designates a private sewerage easement of 10,000 sq. ft. as required by the Maryland State Department of the Environment for individual sewage disposal. Improvements of any nature in this area are restricted until public sewage is available. These easements shall become null and void upon connection to a public sewage system. The County Health Officer shall have the authority to grant adjustments to the private sewerage easement. Recordation of a modified sewerage easement shall not be necessary.
- No grading shall be performed over any portion of a septic easement unless specifically approved by the Health Department.
- This property is zoned RC-DEO
- The lot shown hereon complies with the minimum ownership width and lot area as required by the Maryland State Department of the Environment.
- The house location shown complies with the minimum building restriction regulation.
-  This area designates a proposed 1,500 square foot well area.
- Any change to a private sewerage easement will require a revised perc certification plan.
- Existing wells, septic systems, and sewage disposal areas within 100' of the property and those wells within 200' down gradient of existing or proposed septic systems or sewage disposal areas have been shown using all reasonable efforts.
- Any changes to a private sewerage area shall require a revised perc certification plan.
- The referenced property will be required to perform percolation test for any future building permit for additions or structures that apply to Howard County code 3.805.
- Owners: LOT 16  
DAVID BRENNEN  
11524 STARDUST LANE  
ELLCOTT CITY, MD 21042


PERC CERTIFICATION:  
I certify that the information shown hereon are based on field work done under my direct supervision, and is correct, to the best of my professional knowledge and belief.



APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS

*William Lee Wacker*  
COUNTY HEALTH OFFICER  
HOWARD COUNTY HEALTH DEPARTMENT  
DATE 8/12/2013



 <b>CLARK · FINEFROCK &amp; SACKETT, INC.</b> ENGINEERS · PLANNERS · SURVEYORS 7130 MINSTREL WAY · COLUMBIA, MD 21045 · (410) 381-7500 BALT. · (301) 621-8100 WASH.		
DESIGNED DR	PERCOLATION CERTIFICATION PLAT LOT 16 <b>BRANTWOOD</b> TAX MAP 16, GRID 22, RC-DEO ZONE THIRD (3RD) ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE 1" = 50'
DRAWN RM		DRAWING 1 of 1
CHECKED DR		JOB NO. 13-502
DATE 8-5-13	FOR : DAVID BRENNEN 11524 STARDUST LANE ELLCOTT CITY, MD 21042	FILE NO. 13-502

SOILS		
KEY	NAME	CLASS
G1B2	GLENELG SILT LOAM, 3-8% SLOPES	B
MgB2	MONTALTO SILT LOAM 3-8% SLOPES	B

SEPTIC EASEMENT AREAS		
LOT NUMBER	LOT AREAS (SQUARE FEET)	SEPTIC EASEMENT (SQUARE FEET)
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**LEGEND**

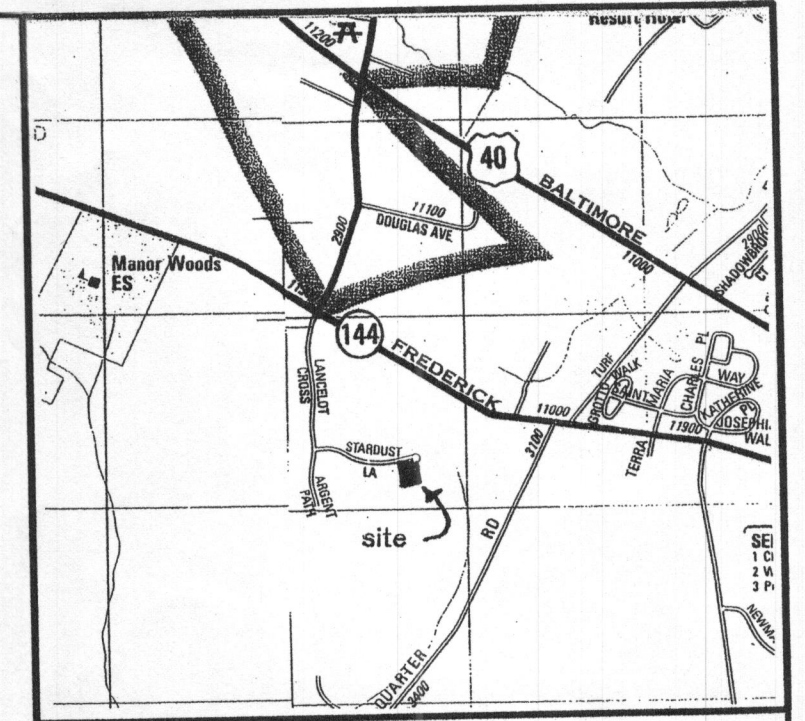
CONTOUR INTERVAL 2 FT.

EXISTING CONTOUR

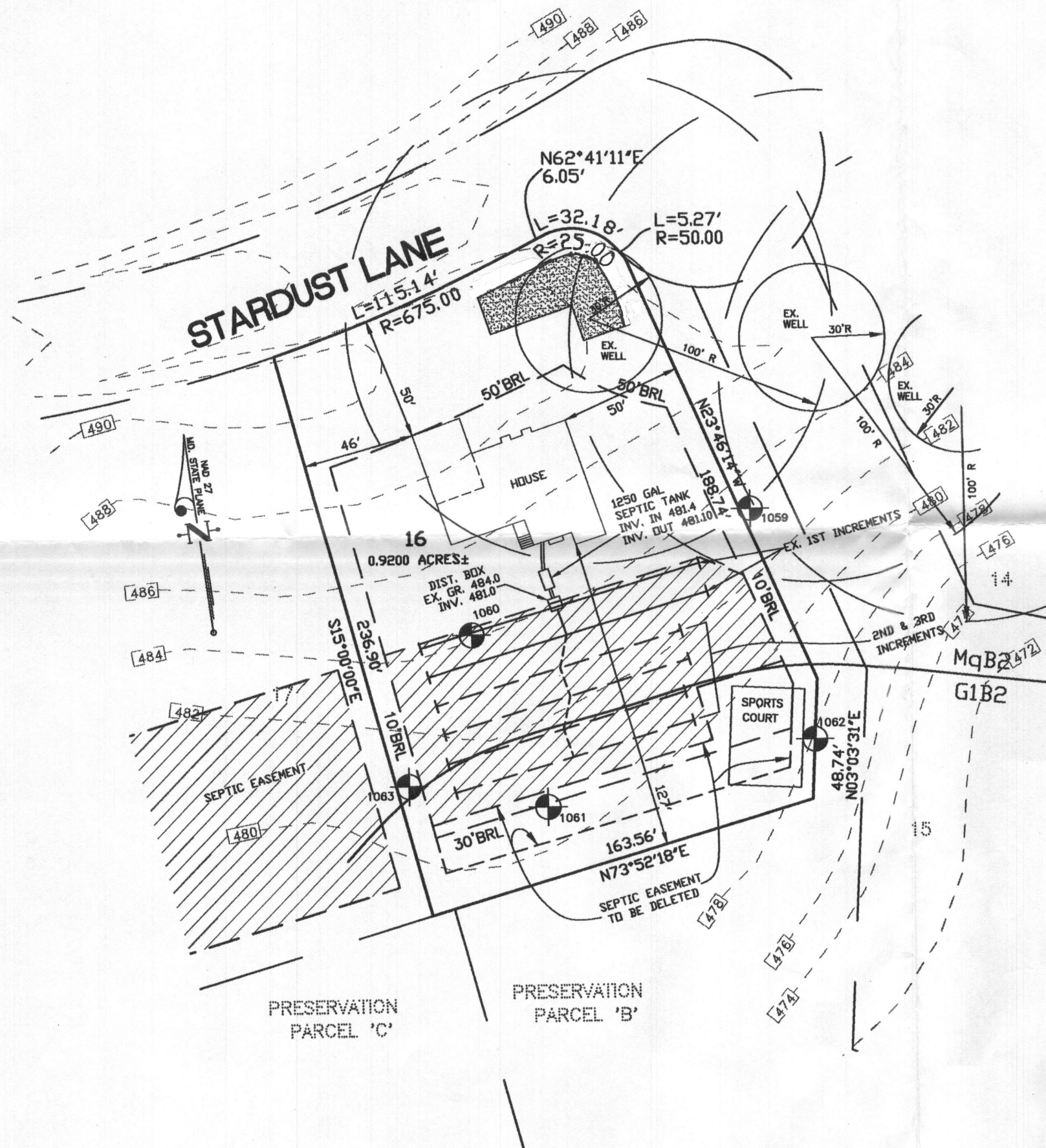
EXISTING SEPTIC EASEMENT

1,500 SQUARE FOOT WELL BOX

EXISTING PERCOLATION TEST



VICINITY MAP  
SCALE: 1" = 2,000'



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DAVID BRENNEN  
11524 STARDUST LANE  
ELLCOTT CITY, MD 21042

**PERC CERTIFICATION:**

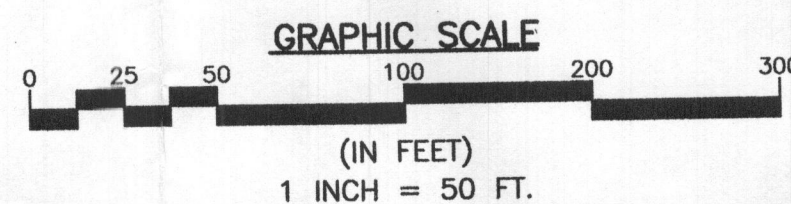
I certify that the information shown hereon are based on field work done under my direct supervision, and is correct, to the best of my professional knowledge and belief.

*William Lee Macken* 06 Aug 13  
Surveyor Date



APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS

*Brigitte M. Rossman* 8/12/2013  
COUNTY HEALTH OFFICER DATE  
HOWARD COUNTY HEALTH DEPARTMENT



**CLARK · FINEFROCK & SACKETT, INC.**  
ENGINEERS · PLANNERS · SURVEYORS

7130 MINSTREL WAY · COLUMBIA, MD 21045 · (410) 381-7500 BALT. · (301) 621-8100 WASH.

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DRAWN RM		DRAWING 1 of 1
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FOR : DAVID BRENNEN  
11524 STARDUST LANE  
ELLCOTT CITY, MD 21042