



## Bureau of Environmental Health

8930 Stanford Boulevard, Columbia, MD 21045

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

Maura J. Rossman, M.D., Health Officer

### APPLICATION FOR PERCOLATION TESTING AND SITE EVALUATION

1502410

#### PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME PARKSIDE BRACCIALE PROPERTY

PROPERTY ADDRESS 1817 QUARTER HORSE DRIVE WOODSTOCK MD 21163  
STREET TOWN ZIP

TAX ACCOUNT # 316416 TAX MAP 10 GRID 23 PARCEL 36 LOT NO. 7 PROPOSED LOT  
SIZE (ACRES) \_\_\_\_\_

ZONING CATEGORY RR-DEO TIER \_\_\_\_\_

PROPERTY OWNER(S) ERIC K SHEPARD & SANDRA G SATTIN

DAYTIME PHONE \_\_\_\_\_ CELL \_\_\_\_\_ EMAIL \_\_\_\_\_

MAILING ADDRESS 1835 QUARTER HORSE DR WOODSTOCK MD 21163  
STREET CITY, STATE ZIP

APPLICANT Cairn Custom Homes (Steve Appler) RELATIONSHIP TO OWNER: BUILDER

DAYTIME PHONE \_\_\_\_\_ CELL 410-818-7382 EMAIL steve@cairncustomhomes.com

MAILING ADDRESS 10548 Gorman Road, Laurel, MD 20723  
STREET CITY, STATE ZIP

I HEREBY APPLY FOR THE NECESSARY TESTING/EVALUATION PRIOR TO ISSUANCE OF SEWAGE DISPOSAL SYSTEM PERMIT(S):

#### PROPERTY:

- ☐ SUBDIVISION: NUMBER OF LOTS INCLUDING RESIDUE: 1  
SUBDIVISION CLASSIFICATION (PER DEPT. OF PLANNING AND ZONING) ☐ MAJOR ☐ MINOR
- ☐ CONSTRUCT NEW OSDS ON UNDEVELOPED LOT  
☐ REPAIR OR REPLACE FAILING OSDS  
☐ UPGRADE EXISTING OSDS

#### BUILDING:

- ☒ RESIDENTIAL WITH 4 or 5 EXISTING OR PROPOSED BEDROOMS IN THE COMPLETED STRUCTURE  
☐ COMMERCIAL (PROVIDE DETAIL OF TYPE OF USE AND NUMBERS OF EMPLOYEES/CUSTOMERS ON ACCOMPANYING PLAN)

IS THE PROPERTY WITHIN 2500 FEET OF ANY RESERVOIR?

- ☐ YES  
☒ NO

AS APPLICANT, I UNDERSTAND THE FOLLOWING:

- THIS APPLICATION IS VALID FOR TWO(2) YEARS FROM DATE OF FEE PAYMENT AND APPROVAL IS BASED UPON HEALTH OFFICER SIGNATURE OF A PERC CERTIFICATION PLAN PRIOR TO EXPIRATION OF THIS PERMIT.
- THE APPLICATION FEE IS NON-REFUNDABLE
- THIS APPLICATION MUST BE ACCOMPANIED BY ALL APPLICABLE FEES AND A SUITABLE SITE PLAN IN ORDER TO BE PROCESSED
- THIS IS A PUBLIC DOCUMENT

I declare and affirm that to the best of my knowledge, the information contained herein is correct. I declare that I am the owner of the property or duly authorized to make this application on behalf of the owner. I agree to comply with all applicable state and county regulations.

By signature of this application, I hereby grant Howard County Health Department officials the right to enter onto the property for the purpose of inspecting the property as directly related to the requested permit/service.

M. Quinn Jr

SIGNATURE OF APPLICANT

1.23.18

DATE

AP 562410

# Horse Arena

slope > 25%

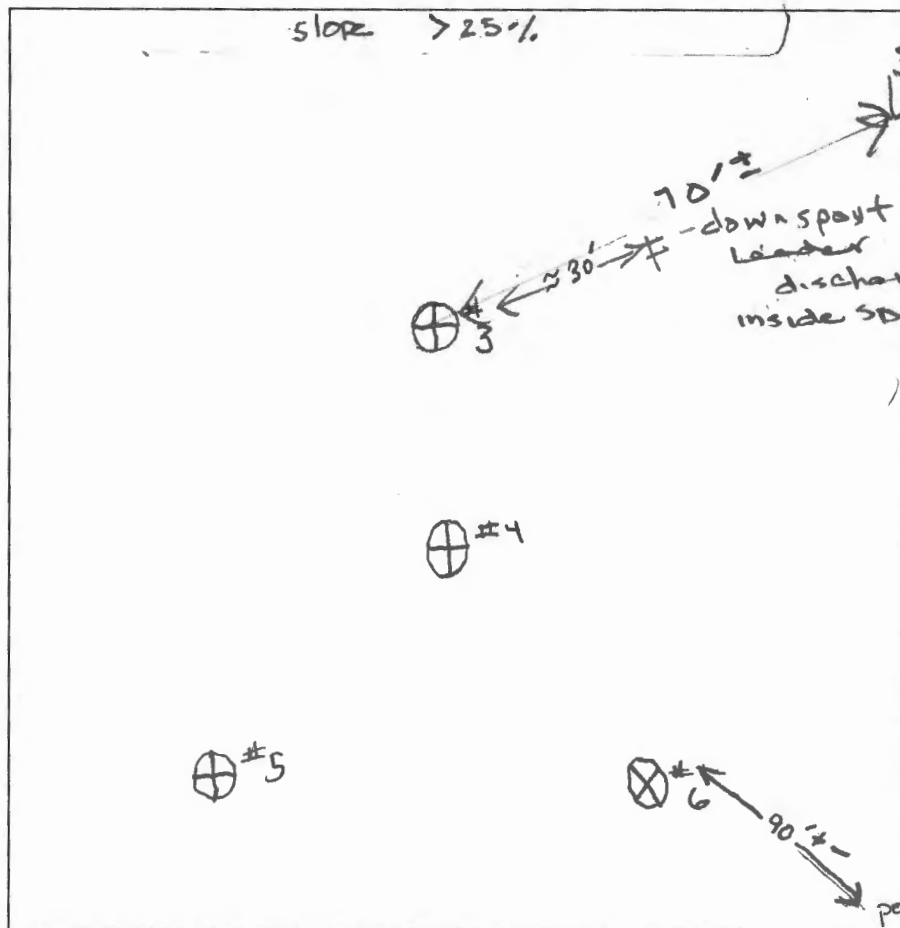
#6

similar to hole #5

#3  
2'-3'- Red scl  
yel sl  
w/ mica  
5'- platy  
7'- Tan sl  
w/ mica  
12.5'- dry

#4  
2'- yel-red scl  
yel sl  
5'- tan sl  
w/ mica  
12'- dry

#5  
1.5'- Red scl  
yel sl  
4-5'- tan sl  
w/ mica  
12'- dry



DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
2/21/18	3	4.4/12.5	8:52	8:53	8:56	3	P
2/21/18	4	4/12'	9:13	9:14	9:17	3	P
2/21/18	5	4/12'	9:35	9:36	9:38	2	P
2/21/18	6	3.5/12'	9:55	9:56	9:58	2	P

REMARKS Adjust SDA to meet setbacks to sloped pond. Reroute leader

SANITARIAN H. Oswald BACKHOE OTHERS FLL

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

TRENCH WIDTH INLET DEPTH MAX. BOT DEPTH EFFECTIVE SW

## **Oswald, Hank**

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**From:** Oswald, Hank  
**Sent:** Tuesday, February 27, 2018 7:29 AM  
**To:** 'Tony Fertitta'  
**Cc:** steve@cairncustomhomes.com; Williams, Jeffrey  
**Subject:** Perc Test Results\_1817 Quarter Horse Drive  
**Attachments:** Perc Test Report\_1817 Quarter Horse Drive\_2.27.18.pdf; Perc Test Field Notes\_1817 Quarter Horse Drive\_2.2018.pdf

Hi Tony:

Good morning. Attached, you will find the perc test report for 1817 Quarter Horse Drive. In addition to our discussion in the field about modifications to the perc cert plan, please add a purpose statement and remove note 6.

Should you have any questions, please don't hesitate to ask.

Thanks,

Hank

Hank Oswald  
Licensed Environmental Health Specialist  
Howard County Health Department  
Bureau of Environmental Health  
Well & Septic Program  
8930 Stanford Boulevard  
Columbia, MD 21045  
410.313.1786 (Office)  
[hoswald@howardcountymd.gov](mailto:hoswald@howardcountymd.gov)

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# HOWARD COUNTY HEALTH DEPARTMENT

62410

AS

DATE

1/12/11

Received  
From

F. C. C.

PHONE #

410-461-2555

For

RNC App/1817 Quarte  
House

☐ CASH

☒ CHECK

NO.

5353

Five hundred and thirty

Dollars

\$

506.00

Received By

J. King



**FISHER, COLLINS  
& CARTER, INC.**

**CIVIL ENGINEERING CONSULTANTS  
and LAND SURVEYORS**

Terrell A. Fisher, P.E., L.S.  
Earl D. Collins, P.E.  
Charles J. Crovo, Sr., P.E., L.S.

Paul W. Kriebel, P.E.  
Mark L. Robel, P.L.S.  
Aldo M. Vitucci, P.E.  
Frank Manalansan II, L.S.  
Stephanie Tuite, RLA, P.E., LEED AP BD&C

# Transmittal

Via: ☐ Fax ☐ Mail ☐ Messenger ☐ E-Mail ☒ To Be Picked Up  
☐ Fax (original to follow via U.S. Mail)

To: **Bureau of Environmental Health**  
**7178 Columbia Gateway Dr.**  
**Columbia, MD 21046-4544**

Attn: **Hank**  
Fax: **(410) 313-2648**  
Phone: **(410) 313-2640**

From: **Tony Fertitta**

CC:

Re: **1817 Quarter Horse**

W.O.# **17045**

Date: **February 27, 2018**

Pages: **3** Page(s) Including this cover

We are forwarding: ☒ Prints ☐ Copy of Letter ☐ Specifications ☐ Shop drawings ☐ Other  
☐ Urgent ☐ For your use ☐ As requested ☐ For Review & Comment

Remarks:

**Hank:**

Enclosed please find Two (2) prints and a Maylar of a revised drawing entitled "Percolation Certification Plan- 1817 Quarter Horse " dated February 27, 2018. If we may be of any further assistance, please do not hesitate to call.

Very truly yours,



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## Oswald, Hank

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**From:** Oswald, Hank  
**Sent:** Monday, March 05, 2018 7:48 AM  
**To:** 'Tony Fertitta'  
**Subject:** Perc Cert Plan Comments\_1817 Quarter Horse Drive

Hi Tony:

Good morning. The following comments pertain to the perc cert plan for 1817 Quarter Horse Drive.

- 1.) Add well field verification note to plan.
- 2.) Eliminate any legend symbol not used on plan i.e. existing tree line, proposed well, failed perc, and sloping symbols
- 3.) Apply for a waiver to 5 foot SDA setback to property line or adjust SDA to meet 10 foot setback.
- 4.) Define the purpose of "DN8 PVC".
- 5.) Add yard hydrant in rear of steel building.

Should you have any questions, please don't hesitate to ask.

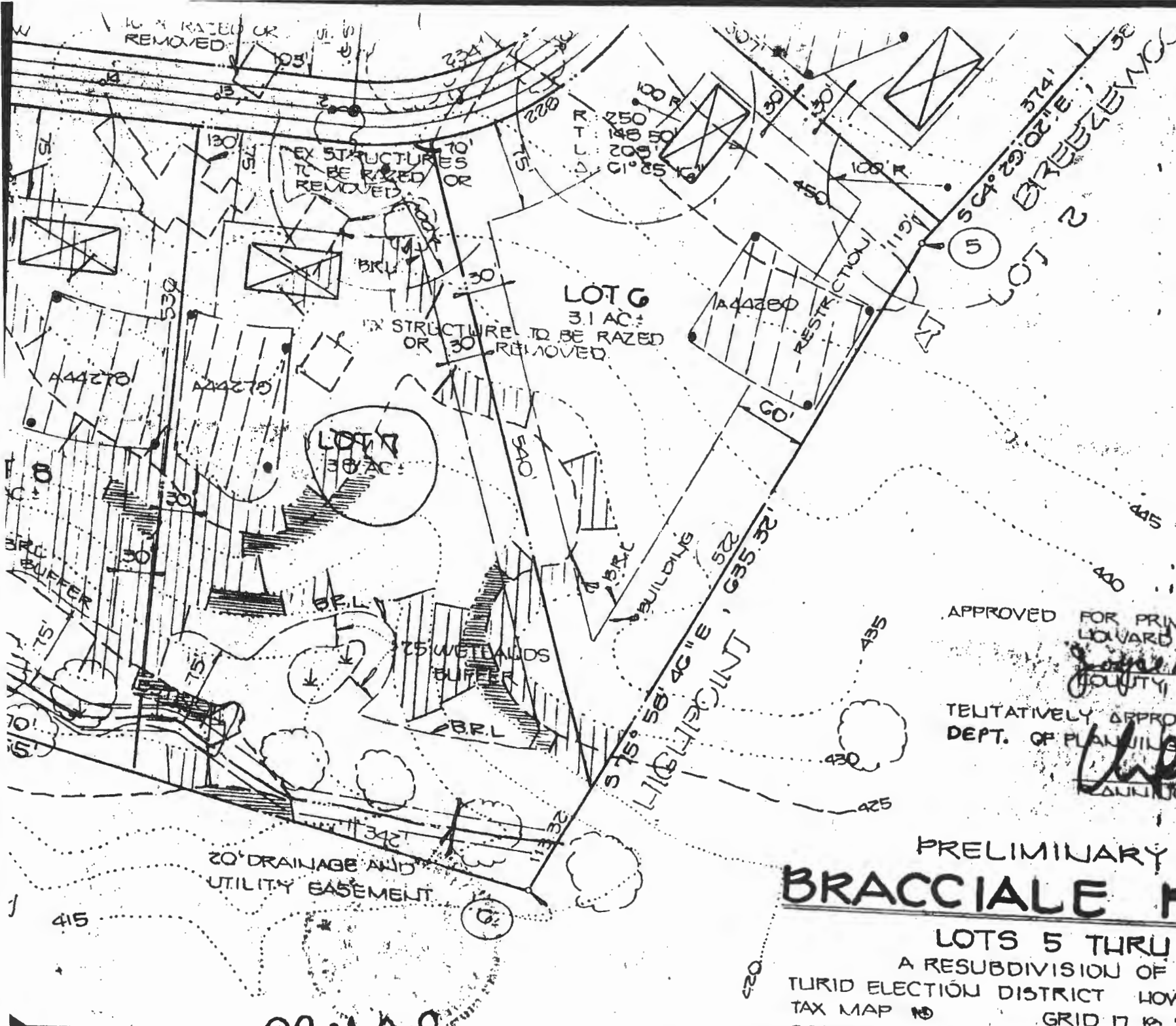
Respectfully,

Hank

Hank Oswald  
Licensed Environmental Health Specialist  
Howard County Health Department  
Bureau of Environmental Health  
Well & Septic Program  
8930 Stanford Boulevard  
Columbia, MD 21045  
410.313.1786 (Office)  
[hoswald@howardcountymd.gov](mailto:hoswald@howardcountymd.gov)

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GENERAL NOTES

1. SUBJECT
2. TOTAL AREA
3. TOTAL AREA
4. TOTAL AREA
5. TOTAL NUMBER
6. PRIVATE
7. THE LOTS
8. WIDTH AND
9. HARYLAND
10. WITH
11. OF 10.000
12. STATE DEPT
13. INDIVIDUAL
14. NATURE IN
15. IS AVAILABLE
16. VOID UPON
17. COUNTY HE
18. VARIANCES
19. EASEMENT.
20. SHALL NOT
21. FOR FLAG
22. REMOVAL A
23. JUNCTION
24. THE FLAG
25. WELLS TO
26. APPROVAL.
27. PERCOLATION
28. CERTIFIED
29. AND CARTER
30. THIS PLAN

APPROVED FOR PRIVATE WATER  
HOWARD COUNTY  
*James M. Roy*  
COUNTY HEALTH OFFICER

TEMTATIVELY APPROVED ON  
DEPT. OF PLANNING AND ZONING  
*W. H. H.*  
PLANNING DIRECTOR

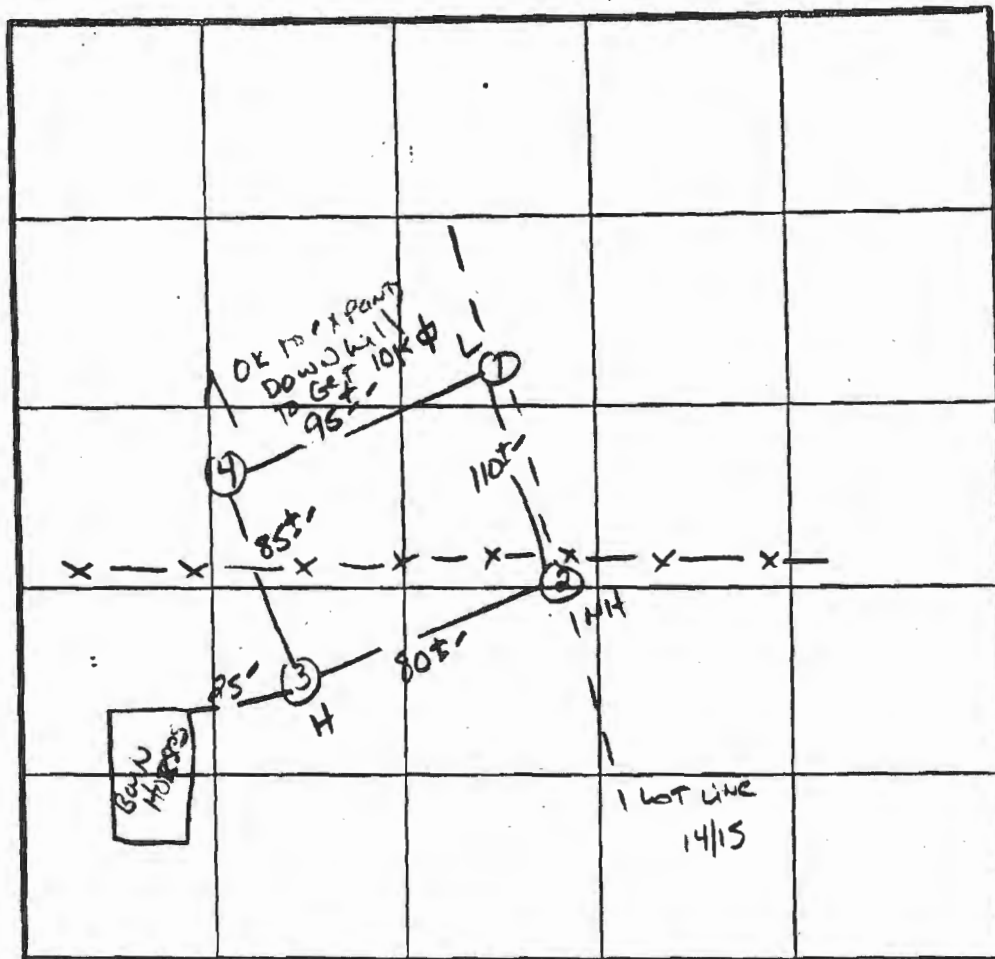
# PRELIMINARY PLAN BRACCIALE PROP

LOTS 5 THRU 15.  
A RESUBDIVISION OF LOTS 1, 2 &  
TURTLE ELECTION DISTRICT HOWARD COUNTY  
TAX MAP NO. 10  
GRID 17 10 22 24

A-44279  
~~A-42455~~  
 Lot 157

SOIL PROFILE

0'  
 4" AP 11x  
 yellow Bl  
 Silty clay  
 worm  
 <10% frog  
 Small amt  
 QUARTZITE  
 4" yellow Br.  
 to light  
 Bl.  
 Silty sand  
 worm  
 10-20%  
 frog  
 17.5



X Perc, 8min  
 210 H/ea  
 Inlet 4'  
 Bottom 8'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5/22/87	1 S	4.0'	11:40	11:44	11:44	11:59	15 MIN
	1 V	12.0'	Similar to profile				
	2 S	4.0	11:52	11:59	11:59	12:11	12 MIN
	2 M	7.5	11:52	11:53	11:53	11:56	3 MIN
	2 V	12.0	Similar to profile				
	3 V	12.0'	Same as Profile				
	4 S	4'	11:44	11:45	11:45	11:47	2 MIN
	4 V	12.5'	As profile				

REMARKS Holes APPROX TO PLAT & AS STAKED

TYPE OF SOIL Brandywine

TESTED BY S. Abel

ALSO PRESENT DKOZ, Dale, John P.

# APPLICATION

PERCOLATION TESTING

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 461-9933

44279  
A 42755

P \_\_\_\_\_

DISTRICT 3

DATE 8-25-85

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

I, HEREBY, APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Vincent Bracciale McGREENEY, Jr.

ADDRESS 1830 Woodstock Rd PHONE 859-1853

PROSPECTIVE BUYER N/A

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

PROPERTY LOCATION:

SUBDIVISION Bracciale Property LOT NO. 18 LOT 7 Prelim

ROAD AND DESCRIPTION Woodstock Rd north of Mt St 99  
(1827 Quarter Horse Road)

TAX MAP 10 PARCEL # 36

SIZE OF LOT 3.31 ± acres TYPE BLDG SFD  
(SINGLE FAMILY DWELLING OR COMMERCIAL)

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

M. J. R.  
(SIGNATURE OF APPLICANT)

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

REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

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

REASONS FOR REJECTION OR HOLDING 5-22-89 Per Satisfactory - Hold for Plat. Subl

NO LG. PERMIT SIGNED

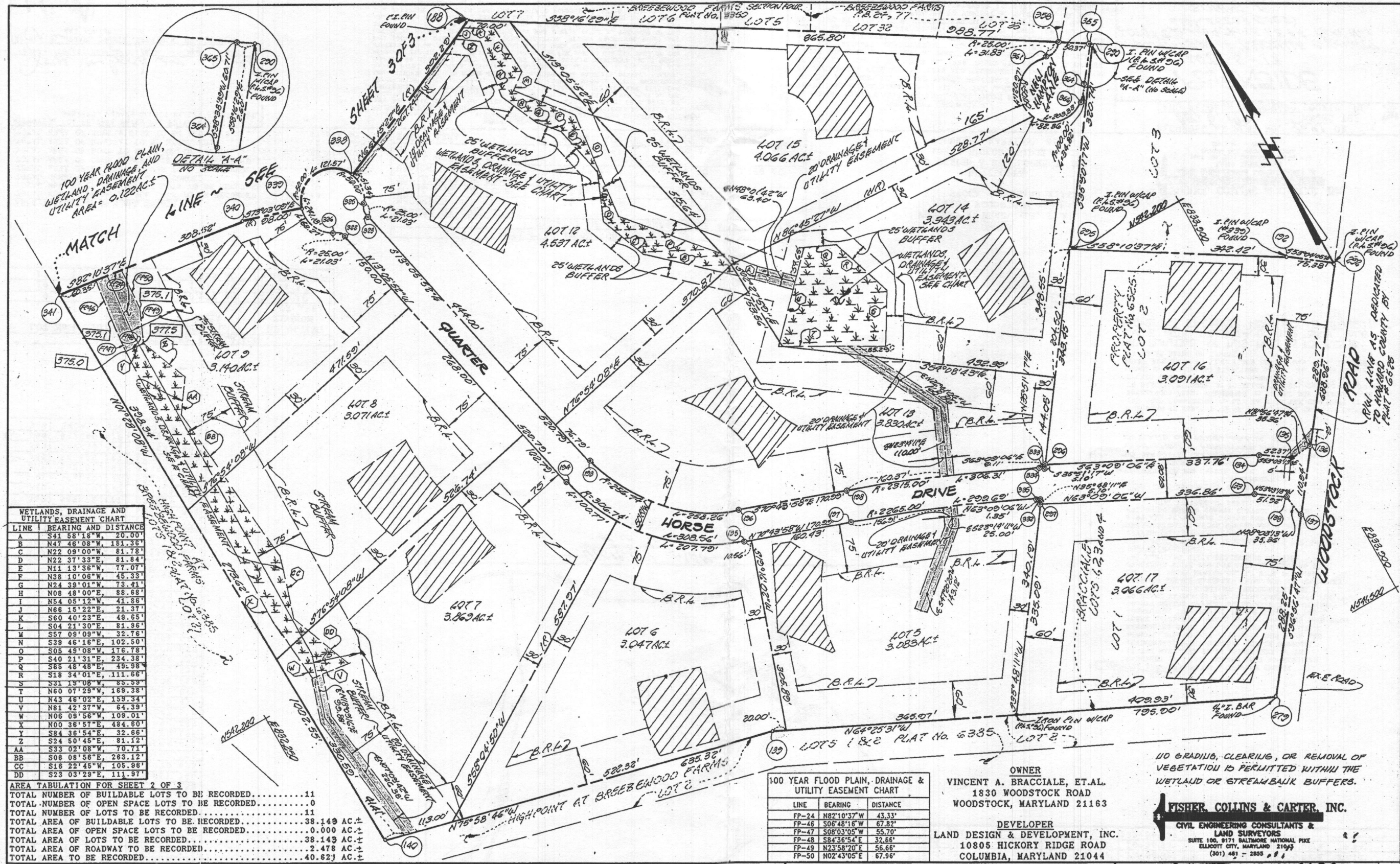
AND RETURNED 4/8/93

Serial # 47350

SFD - 4Bens

# THIS IS NOT A PERMIT





WETLANDS, DRAINAGE AND UTILITY EASEMENT CHART

LINE	BEARING AND DISTANCE
A	S41°58'18"W, 20.00'
B	N47°48'08"W, 181.38'
C	N22°09'00"W, 81.78'
D	N22°37'33"E, 81.84'
E	N11°13'36"W, 77.07'
F	N38°10'06"W, 45.33'
G	N24°39'01"W, 73.41'
H	N08°48'00"E, 88.68'
I	N54°05'12"W, 41.86'
J	N66°15'22"E, 21.37'
K	S60°40'23"E, 48.65'
L	S04°21'30"E, 81.96'
M	S57°09'09"W, 32.76'
N	S39°46'16"E, 102.50'
O	S05°49'08"W, 176.78'
P	S40°21'31"E, 234.38'
Q	S65°48'48"E, 491.38'
R	S18°34'01"E, 111.88'
S	S31°15'08"E, 139.93'
T	N60°07'29"W, 169.38'
U	N43°48'02"E, 159.34'
V	N81°42'37"W, 64.39'
W	N06°08'56"W, 109.01'
X	N00°36'57"E, 484.60'
Y	S84°36'54"E, 32.66'
Z	S24°50'45"E, 81.12'
AA	S33°02'08"W, 70.71'
BB	S06°08'56"E, 263.12'
CC	S16°22'46"W, 108.98'
DD	S23°03'29"E, 111.97'

AREA TABULATION FOR SHEET 2 OF 3

TOTAL NUMBER OF BUILDABLE LOTS TO BE RECORDED.....	11
TOTAL NUMBER OF OPEN SPACE LOTS TO BE RECORDED.....	0
TOTAL NUMBER OF LOTS TO BE RECORDED.....	11
TOTAL AREA OF BUILDABLE LOTS TO BE RECORDED.....	38.149 AC.±
TOTAL AREA OF OPEN SPACE LOTS TO BE RECORDED.....	0.000 AC.±
TOTAL AREA OF LOTS TO BE RECORDED.....	38.149 AC.±
TOTAL AREA OF ROADWAY TO BE RECORDED.....	2.478 AC.±
TOTAL AREA TO BE RECORDED.....	40.627 AC.±

100 YEAR FLOOD PLAIN, DRAINAGE & UTILITY EASEMENT CHART

LINE	BEARING	DISTANCE
FP-24	N82°10'37"W	43.33'
FP-46	S06°48'16"W	67.82'
FP-47	S08°03'05"W	55.70'
FP-48	S84°36'54"E	32.66'
FP-49	N23°58'20"E	56.66'
FP-50	N02°43'05"E	67.96'

OWNER  
VINCENT A. BRACCIALE, ET.AL.  
1830 WOODSTOCK ROAD  
WOODSTOCK, MARYLAND 21163

DEVELOPER  
LAND DESIGN & DEVELOPMENT, INC.  
10805 HICKORY RIDGE ROAD  
COLUMBIA, MARYLAND 21044

NO GRADING, CLEARING, OR REMOVAL OF VEGETATION IS PERMITTED WITHIN THE WETLAND OR STREAMBANK BUFFERS.

FISHER, COLLINS & CARTER, INC.  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
SUITE 100, 9171 BALTIMORE NATIONAL PIKE  
ELLSWORTH CITY, MARYLAND 21119  
(301) 481-2855

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.

*John W. Broadus* 11-5-90  
HOWARD COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

*URS* 11-3-90  
DIRECTOR DATE

APPROVED: FOR STORM DRAINAGE SYSTEMS, AND PUBLIC ROADS.

OWNER'S CERTIFICATE

WE, BRIAN KNAUFF, T.E. WISMATT CONSTRUCTION AND ASSOCIATES BY PATRICK CREAMER, GENERAL PARTNER, VINCENT A. BRACCIALE, JR., AND TERESA BRACCIALE, OWNERS OF THE PROPERTY SHOWN AND DESCRIBED HEREON, HEREBY ADOPT THIS PLAN OF SUBDIVISION, AND IN CONSIDERATION OF THE APPROVAL OF THIS FINAL PLAT BY THE DEPARTMENT OF PLANNING AND ZONING, ESTABLISH THE MINIMUM BUILDING RESTRICTION LINES AND GRANT UNTO HOWARD COUNTY, MARYLAND, ITS SUCCESSORS AND ASSIGNS, (1) THE RIGHT TO LAY, CONSTRUCT AND MAINTAIN SEWERS, DRAINS, WATER PIPES AND OTHER MUNICIPAL UTILITIES AND SERVICES IN AND UNDER ALL ROADS AND STREET RIGHTS-OF-WAY AND THE SPECIFIC EASEMENT AREAS SHOWN HEREON; (2) THE RIGHT TO REQUIRE DEDICATION FOR PUBLIC USE THE BEDS OF THE STREETS AND/OR ROADS AND FLOOD PLAINS AND OPEN SPACE WHERE APPLICABLE AND FOR GOOD AND OTHER VALUABLE CONSIDERATION, HEREBY GRANT THE RIGHT AND OPTION TO HOWARD COUNTY TO ACQUIRE THE FEE SIMPLE TITLE TO THE BEDS OF THE STREETS AND/OR ROADS AND FLOOD PLAINS, STORM DRAINAGE FACILITIES AND OPEN SPACE WHERE APPLICABLE; (3) THE RIGHT TO REQUIRE DEDICATION OF WATERWAYS AND DRAINAGE EASEMENTS FOR THE SPECIFIC PURPOSE OF THEIR CONSTRUCTION, REPAIR AND MAINTENANCE; AND (4) THAT NO BUILDING OR SIMILAR STRUCTURE OF ANY KIND SHALL BE ERECTED ON OR OVER THE SAID EASEMENTS AND RIGHTS-OF-WAY. WITNESS OUR HANDS THIS 11th DAY OF August, 1990.

*Brian Knauff* Vincent A. Bracciale Jr. *M.P.R.*

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THE FINAL PLAT SHOWN HEREON IS CORRECT; THAT IT IS A SUBDIVISION OF 1) ALL OF THE LANDS CONVEYED BY VINCENT A. BRACCIALE, JR. AND TERESA BRACCIALE TO BRIAN KNAUFF BY DEED DATED FEBRUARY 17, 1988 AND RECORDED IN THE LAND RECORDS OF HOWARD COUNTY IN LIBER No. 1449, FOLIO 227 AND 2) ALL OF THE LANDS CONVEYED BY VINCENT A. BRACCIALE, JR. AND TERESA BRACCIALE TO T.E. WISMATT CONSTRUCTION AND ASSOCIATES BY DEED DATED SEPTEMBER 8, 1988 AND RECORDED IN THE LAND RECORDS OF HOWARD COUNTY IN LIBER No. 1885, FOLIO 503 AND 3) PART OF THE LAND CONVEYED BY RUSSELL V. BECKETT AND HAZEL L. BECKETT AND FRANK F. FAVAZZA, JR. AND EMMA E. FAVAZZA TO VINCENT A. BRACCIALE, JR. AND TERESA BRACCIALE BY DEED DATED SEPTEMBER 12, 1984 AND RECORDED IN THE LAND RECORDS OF HOWARD COUNTY IN LIBER No. 1285, FOLIO 247 AND THAT ALL MONUMENTS ARE IN PLACE OR WILL BE IN PLACE PRIOR TO THE ACCEPTANCE OF THE STREETS IN THE SUBDIVISION BY HOWARD COUNTY AS SHOWN, IN ACCORDANCE WITH THE ANNOTATED CODE OF MARYLAND, AS AMENDED.

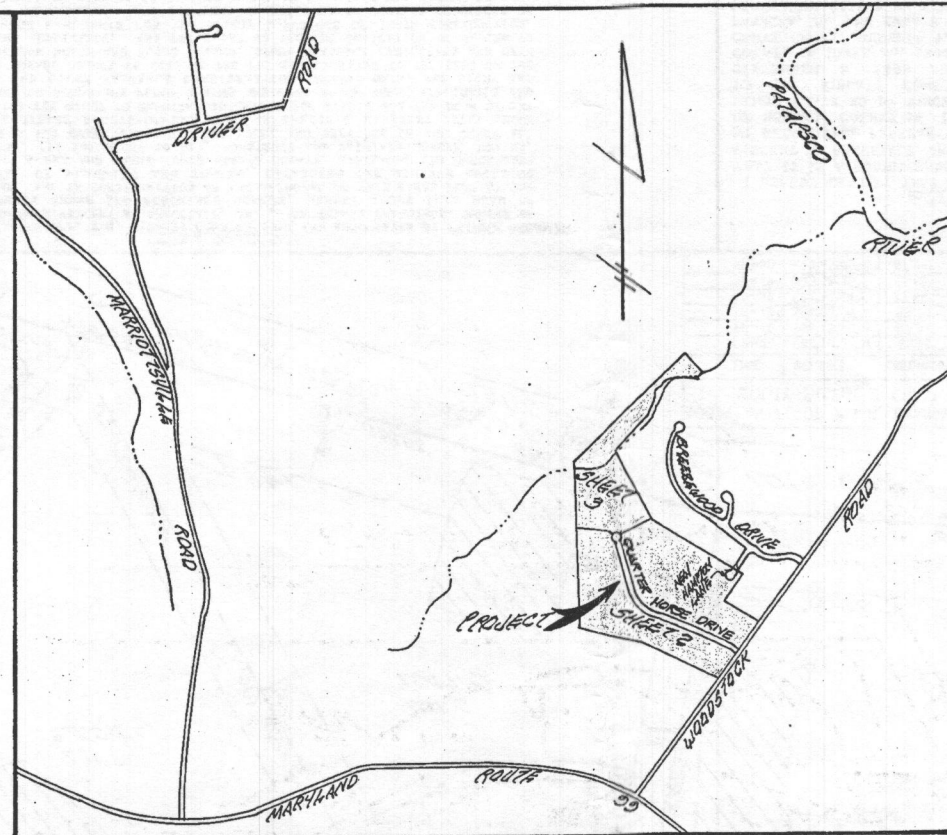
RECORDED AS PLAT NO. 9682 ON 08-16-1990 AMONG THE LAND RECORDS OF HOWARD COUNTY, MD.

**PARKSIDE**  
LOTS 5-17  
(A SUBDIVISION OF BRACCIALE PROPERTY LOTS 1, 2, 3 AND 4, LOTS 1, 2, 3, 4 PLAT NOS. 6524, 6525 & 6526)  
ZONING R

TAX MAP 10 PARCEL 36  
THIRD ELECTION DISTRICT



COORDINATE TABLE		
POINT	NORTH	EAST
133	541739.606	833781.140
134	541788.579	833817.412
135	541757.100	833859.267
136	541762.053	833894.273
137	541673.390	833827.591
138	541708.397	833822.637
139	541786.598	832936.409
140	541940.517	832320.016
141	543549.538	832278.757
142	544634.884	833406.795
143	544351.928	833600.239
144	544328.226	833576.198
145	544342.172	833523.564
146	544375.611	833288.329
147	544238.164	833197.042
148	544246.077	833161.614
149	544126.526	833148.858
150	543984.858	833081.769
151	543808.015	832920.626
152	543690.182	832767.709
188	542999.450	833064.001
192	542038.931	834008.185
193	542301.580	832896.569
194	542290.249	832847.870
195	542070.201	833045.413
196	542117.401	833061.912
197	542013.780	833206.822
198	542060.980	833223.321
279	541443.018	833854.330
290	542479.506	833905.029
292	541993.635	834068.444
295	542219.489	833717.235
296	541941.120	833516.064
297	541891.744	833480.589
322	542797.489	832729.853
323	542608.820	832778.552
325	542828.858	832782.446
326	542813.750	832717.513
332	541895.880	833483.572
333	541938.986	833513.077
334	541941.099	833504.952
335	541896.489	833482.370
338	542877.735	832787.302
339	542872.177	832693.706
340	542900.743	832599.961
341	542942.737	832294.317
358	542507.361	833859.973
361	542499.727	833831.249
364	542433.459	833864.901
365	542480.876	833902.814
366	542410.560	833838.910



VIGNITY MAP  
SCALE: 1" = 1200'

CURVE DATA					
No. - No.	RADIUS	ARC	DELTA	TANGENT	CHD. BRG. & DIST.
193-196	256.74'	258.26'	57°38'06"	141.25'	S41°54'55"E 247.51'
195-194	304.74'	305.56'	57°38'06"	168.75'	N41°54'55"W 295.74'
198-334	2315.00'	306.31'	07°34'52"	153.38'	S66°56'32"E 306.08'
322-326	25.00'	21.03'	48°11'23"	11.18'	N37°11'33"W 20.41'
325-323	25.00'	21.03'	48°11'23"	11.18'	S10°59'50"W 20.41'
326-325	50.00'	241.19'	276°22'46"	---	---
326-339	50.00'	68.27'	78°14'05"	40.66'	N22°10'12"W 63.09'
335-197	2265.00'	299.69'	07°34'52"	150.07'	N66°56'32"W 299.47'
338-325	50.00'	51.34'	58°50'09"	28.19'	S65°40'27"W 49.12'
339-338	50.00'	121.57'	139°18'31"	134.84'	N82°32'06"E 93.76'
364-358	25.00'	31.83'	72°56'32"	18.48'	N75°06'55"E 29.72'
364-366	100.00'	34.82'	19°56'53"	17.59'	S48°37'06"W 34.64'
366-361	50.00'	203.33'	232°59'38"	---	---

- GENERAL NOTES:
- THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF 10,000 SQUARE FEET 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 VARIANCES FOR ENCROACHMENTS INTO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.
  - THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
  - THE SUBJECT PROPERTY IS ZONED "R" AS PER 8/2/85 COMPREHENSIVE ZONING PLAN.
  - THE COORDINATES SHOWN HEREON ARE BASED ON THE MARYLAND STATE GRID SYSTEM AND DERIVED FROM THE FOLLOWING HOWARD COUNTY CONTROL STATIONS:  
STA. 3639002: N 540311.256 E 832918.167  
STA. 3540003: N 538430.823 E 835230.913
  - DENOTES IRON PIN CAPPED "F.C.C. 10692" SET.
  - DENOTES CONCRETE MONUMENT SET.
  - NO GRADING, CLEARING, OR REMOVAL OF VEGETATION IS PERMITTED WITHIN THE WETLAND OR STREAMBANK BUFFERS.
  - THIS PLAN IS SUBJECT TO WP 89-11, WHICH IS TO 1) WAIVE THE ROAD CONNECTION TO LOT NO. 2 IN THE HIGHPOINT AT BREEZEWOOD FARM SUBDIVISION, 2) EXTEND NEW HAMPTON LANE TO BRACCIALE COURT, 3) TO ALLOW THE CUL-DE-SAC LENGTH TO EXCEED 1200' FOR BRACCIALE COURT.
  - THERE IS AN EXISTING STRUCTURE ON LOT NO. 13 TO REMAIN.
  - THERE ARE EXISTING STRUCTURES ON LOT NOS. 7, 8, 12, AND 13 TO BE RAISED OR REMOVED.
  - THE PURPOSE OF THIS PLAT IS TO RESUB-DIVIDE LOTS 1, 2 AND 4 OF THE BRACCIALE PROPERTY TO CREATE NEW LOTS 5 THROUGH 17.

MINIMUM LOT AREA TABULATION			
LOT No.	TOTAL LOT AREA	FLOOD PLAIN AREA	RESULTING MINIMUM LOT AREA
9	3.140 AC.	0.122 AC.	3.018 AC.
10	5.734 AC.	1.010 AC.	4.724 AC.
11	11.481 AC.	2.395 AC.	9.086 AC.

AREA TABULATION FOR ALL SHEETS	
TOTAL NUMBER OF BUILDABLE LOTS TO BE RECORDED.....	13
TOTAL NUMBER OF OPEN SPACE LOTS TO BE RECORDED.....	0
TOTAL NUMBER OF LOTS TO BE RECORDED.....	13
TOTAL AREA OF BUILDABLE LOTS TO BE RECORDED.....	55.358 AC.±
TOTAL AREA OF OPEN SPACE LOTS TO BE RECORDED.....	0.000 AC.±
TOTAL AREA OF LOTS TO BE RECORDED.....	55.358 AC.±
TOTAL AREA OF ROADWAY TO BE RECORDED.....	2.478 AC.±
TOTAL AREA OF SUBDIVISION TO BE RECORDED.....	57.836 AC.±

AREA TABULATION FOR ALL SHEETS			
	SHEET 2 OF 3	SHEET 3 OF 3	TOTALS
NUMBER OF LOTS TO BE RECORDED	11	2	13
TOTAL AREA OF LOTS	38.143 AC.	17.215 AC.	55.358 AC.
TOTAL AREA OF ROAD DEDICATION	2.478 AC.	0.000 AC.	2.478 AC.
TOTAL AREA OF FLOOD PLAIN	0.122 AC.	3.405 AC.	3.527 AC.
TOTAL AREA	40.621 AC.	17.215 AC.	57.836 AC.

OWNER  
VINCENT A. BRACCIALE, ET.AL.  
1830 WOODSTOCK ROAD  
WOODSTOCK, MARYLAND 21163

DEVELOPER  
LAND DESIGN & DEVELOPMENT, INC.  
10805 HICKORY RIDGE ROAD  
COLUMBIA, MARYLAND 21044

FISHER, COLLINS & CARTER, INC.  
CIVIL ENGINEERING CONSULTANTS &  
LAND SURVEYORS  
SUITE 100, 8171 BALTIMORE NATIONAL PIKE  
ELICITY CITY, MARYLAND 21043  
(301) 461-2855

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.

*John M. Bracciale* 11-5-91  
HOWARD COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

*U. R.* 12-3-90  
DIRECTOR DATE

APPROVED: FOR STORM DRAINAGE SYSTEMS, AND PUBLIC

OWNER'S CERTIFICATE  
WE, BRIAN KNAUFF, T.E. WISWATT CONSTRUCTION AND ASSOCIATES BY PATRICK CREMER, GENERAL PARTNER, VINCENT A. BRACCIALE, JR., AND TERESA BRACCIALE, OWNERS OF THE PROPERTY SHOWN AND DESCRIBED HEREON, HEREBY ADOPT THIS PLAN OF SUBDIVISION, AND IN CONSIDERATION OF THE APPROVAL OF THIS FINAL PLAT BY THE DEPARTMENT OF PLANNING AND ZONING, ESTABLISH THE MINIMUM BUILDING RESTRICTION LINES AND GRANT UNTO HOWARD COUNTY, MARYLAND, ITS SUCCESSORS AND ASSIGNS, (1) THE RIGHT TO LAY, CONSTRUCT AND MAINTAIN SEWERS, DRAINS, WATER PIPES AND OTHER MUNICIPAL UTILITIES AND SERVICES IN AND UNDER ALL ROADS AND STREET RIGHTS-OF-WAY AND THE SPECIFIC EASEMENT AREAS SHOWN HEREON; (2) THE RIGHT TO REQUIRE DEDICATION FOR PUBLIC USE THE BEDS OF THE STREETS AND/OR ROADS AND FLOOD PLAINS AND OPEN SPACE WHERE APPLICABLE AND FOR GOOD AND OTHER VALUABLE CONSIDERATION, HEREBY GRANT THE RIGHT AND OPTION TO HOWARD COUNTY TO ACQUIRE THE FEE SIMPLE TITLE TO THE BEDS OF THE STREETS AND/OR ROADS AND FLOOD PLAINS, STORM DRAINAGE FACILITIES AND OPEN SPACE WHERE APPLICABLE; (3) THE RIGHT TO REQUIRE DEDICATION OF WATERWAYS AND DRAINAGE EASEMENTS FOR THE SPECIFIC PURPOSE OF THEIR CONSTRUCTION, REPAIR AND MAINTENANCE; AND (4) THAT NO BUILDING OR SIMILAR STRUCTURE OF ANY KIND SHALL BE ERECTED ON OR OVER THE SAID EASEMENTS AND RIGHTS-OF-WAY. WITNESS OUR HANDS THIS 31st DAY OF AUGUST 1990.

SURVEYOR'S CERTIFICATE  
I HEREBY CERTIFY THAT THE FINAL PLAT SHOWN HEREON IS CORRECT; THAT IT IS A SUBDIVISION OF 1) ALL OF THE LANDS CONVEYED BY VINCENT A. BRACCIALE, JR. AND TERESA BRACCIALE TO BRIAN KNAUFF BY DEED DATED FEBRUARY 17, 1988 AND RECORDED IN THE LAND RECORDS OF HOWARD COUNTY IN LIBER No. 1449, FOLIO 227 AND 2) ALL OF THE LANDS CONVEYED BY VINCENT A. BRACCIALE, JR. AND TERESA BRACCIALE TO T.E. WISWATT CONSTRUCTION AND ASSOCIATES BY DEED DATED SEPTEMBER 8, 1988 AND RECORDED IN THE LAND RECORDS OF HOWARD COUNTY IN LIBER No. 1835, FOLIO 503 AND 3) PART OF THE LAND CONVEYED BY RUSSELL V. BECKETT AND HAZEL L. BECKETT AND FRANK F. FAVAZZA, JR. AND EMMA E. FAVAZZA TO VINCENT A. BRACCIALE, JR. AND TERESA BRACCIALE BY DEED DATED SEPTEMBER 12, 1984 AND RECORDED IN THE LAND RECORDS OF HOWARD COUNTY IN LIBER No. 1235, FOLIO 247 AND THAT ALL MONUMENTS ARE IN PLACE OR WILL BE IN PLACE PRIOR TO THE ACCEPTANCE OF THE STREETS IN THE SUBDIVISION BY HOWARD COUNTY AS SHOWN, IN ACCORDANCE WITH THE ANNOTATED CODE OF MARYLAND, AS

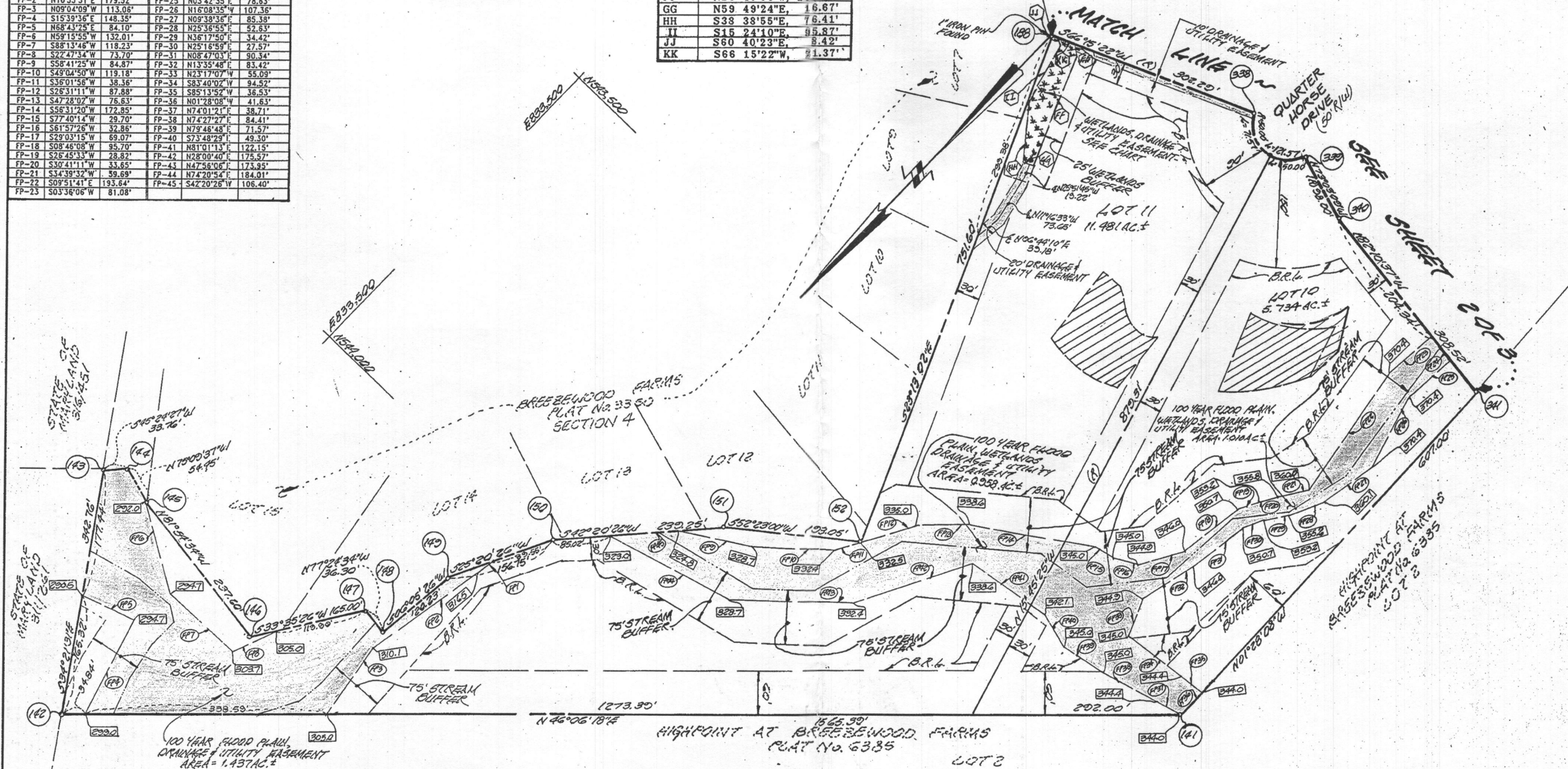
RECORDED AS PLAT NO. 9681 ON  
DEC. 6, 1990  
LAND RECORDS OF HOWARD COUNTY, MD.

PARKSIDE  
LOTS 5-17  
(RESUBDIVISION OF BRACCIALE PROPERTY  
LOTS 1, 2, 3, AND 4, LOTS 6, 8, 14 (PLAT NOS.  
6524, 6525, 6526)  
ZONING R  
TAX MAP 10  
THIRD ELECTION DISTRICT  
PARCEL 36



100 YEAR FLOOD PLAIN, DRAINAGE & UTILITY EASEMENT CHART					
LINE	BEARING	DISTANCE	LINE	BEARING	DISTANCE
FP-1	N05°16'02"E	22.20'	FP-24	N82°10'37"W	43.33'
FP-2	N10°35'31"E	179.52'	FP-25	N03°42'35"E	78.63'
FP-3	N09°04'09"W	113.06'	FP-26	N16°08'35"W	107.36'
FP-4	S15°39'36"E	148.35'	FP-27	N09°38'36"E	85.38'
FP-5	N68°43'25"E	84.10'	FP-28	N25°36'55"E	52.63'
FP-6	N59°15'55"W	132.01'	FP-29	N36°17'50"E	34.42'
FP-7	S88°13'46"W	118.23'	FP-30	N25°16'59"E	27.57'
FP-8	S22°27'34"W	73.70'	FP-31	N08°47'03"E	90.34'
FP-9	S58°41'25"W	84.87'	FP-32	N13°35'48"E	83.42'
FP-10	S49°04'50"W	119.18'	FP-33	N23°17'07"W	55.09'
FP-11	S36°01'56"W	38.36'	FP-34	S83°40'02"W	94.52'
FP-12	S26°31'11"W	87.88'	FP-35	S85°13'52"W	36.53'
FP-13	S47°28'02"W	76.63'	FP-36	N01°28'08"W	41.63'
FP-14	S56°31'20"W	172.85'	FP-37	N7°40'12"E	38.71'
FP-15	S77°40'14"W	29.70'	FP-38	N7°42'27"E	84.41'
FP-16	S61°57'26"W	32.86'	FP-39	N79°48'48"E	71.57'
FP-17	S29°03'15"W	69.07'	FP-40	S73°48'29"E	49.30'
FP-18	S08°46'08"W	95.70'	FP-41	N81°01'13"E	122.15'
FP-19	S26°45'33"W	28.82'	FP-42	N28°00'40"E	175.57'
FP-20	S30°41'11"W	33.65'	FP-43	N47°56'06"E	173.95'
FP-21	S34°39'32"W	59.69'	FP-44	N74°20'54"E	184.01'
FP-22	S09°51'41"E	193.64'	FP-45	S42°20'26"W	106.40'
FP-23	S03°38'06"W	81.08'			

WETLANDS, DRAINAGE AND UTILITY EASEMENT CHART	
LINE	BEARING AND DISTANCE
EE	N54°05'12"W, 11.48'
FF	N23°49'03"W, 163.66'
GG	N59°49'24"E, 16.67'
HH	S38°38'55"E, 76.41'
II	S15°24'10"E, 95.87'
JJ	S60°40'23"E, 8.42'
KK	S66°15'22"W, 21.37'



AREA TABULATION FOR SHEET 3 OF 3	
TOTAL NUMBER OF BUILDABLE LOTS TO BE RECORDED.....	2
TOTAL NUMBER OF OPEN SPACE LOTS TO BE RECORDED.....	0
TOTAL NUMBER OF LOTS TO BE RECORDED.....	2
TOTAL AREA OF BUILDABLE LOTS TO BE RECORDED.....	17.215 AC.±
TOTAL AREA OF OPEN SPACE LOTS TO BE RECORDED.....	0.000 AC.±
TOTAL AREA OF LOTS TO BE RECORDED.....	17.215 AC.±
TOTAL AREA OF ROADWAY TO BE RECORDED.....	0.000 AC.±
TOTAL AREA TO BE RECORDED.....	17.215 AC.±

NO GRADING, CLEARING, OR REMOVAL OF VEGETATION IS PERMITTED WITHIN THE WETLANDS OR STREAMBANK BUFFERS.

OWNER  
VINCENT A. BRACCIALE, ET.AL.  
1830 WOODSTOCK ROAD  
WOODSTOCK, MARYLAND 21163

DEVELOPER  
LAND DESIGN & DEVELOPMENT, INC.  
10805 HICKORY RIDGE ROAD  
COLUMBIA, MARYLAND 21044

FISHER, COLLINS & CARTER, INC.  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
SUITE 100, 9171 BALTIMORE NATIONAL PIKE  
ELLCOTT CITY, MARYLAND 21043  
(301) 461-2855

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

APPROVED: FOR STORM DRAINAGE SYSTEMS, AND PUBLIC ROADS.

OWNER'S CERTIFICATE  
WE, BRIAN KNAUFF, T.E. WISNATT CONSTRUCTION AND ASSOCIATES BY PATRICK CREAMER, GENERAL PARTNER, VINCENT A. BRACCIALE, JR., AND TERESA BRACCIALE, OWNERS OF THE PROPERTY SHOWN AND DESCRIBED HEREON, HEREBY ADOPT THIS PLAN OF SUBDIVISION, AND IN CONSIDERATION OF THE APPROVAL OF THIS FINAL PLAT BY THE DEPARTMENT OF PLANNING AND ZONING, ESTABLISH THE MINIMUM BUILDING RESTRICTION LINES AND GRANT UNTO HOWARD COUNTY, MARYLAND, ITS SUCCESSORS AND ASSIGNS, (1) THE RIGHT TO LAY, CONSTRUCT AND MAINTAIN SEWERS, DRAINS, WATER PIPES AND OTHER MUNICIPAL UTILITIES AND SERVICES IN AND UNDER ALL ROADS AND STREET RIGHTS-OF-WAY AND THE SPECIFIC EASEMENT AREAS SHOWN HEREON; (2) THE RIGHT TO REQUIRE DEDICATION FOR PUBLIC USE THE BEDS OF THE STREETS AND/OR ROADS AND FLOOD PLAINS AND OPEN SPACE WHERE APPLICABLE AND FOR GOOD AND OTHER VALUABLE CONSIDERATION, HEREBY GRANT THE RIGHT AND OPTION TO HOWARD COUNTY TO ACQUIRE THE FEE SIMPLE TITLE TO THE BEDS OF THE STREETS AND/OR ROADS AND FLOOD PLAINS, STORM DRAINAGE FACILITIES AND OPEN SPACE WHERE APPLICABLE; (3) THE RIGHT TO REQUIRE DEDICATION OF WATERWAYS AND DRAINAGE EASEMENTS FOR THE SPECIFIC PURPOSE OF THEIR CONSTRUCTION, REPAIR AND MAINTENANCE; AND (4) THAT NO BUILDING OR SIMILAR STRUCTURE OF ANY KIND SHALL BE ERECTED ON OR OVER THE SAID EASEMENTS AND RIGHTS-OF-WAY. WITNESS OUR HANDS THIS 11th DAY OF AUGUST, 1990.

SURVEYOR'S CERTIFICATE  
I HEREBY CERTIFY THAT THE FINAL PLAT SHOWN HEREON IS CORRECT; THAT IT IS A SUBDIVISION OF: 1) ALL OF THE LANDS CONVEYED BY VINCENT A. BRACCIALE, JR. AND TERESA BRACCIALE TO BRIAN KNAUFF BY DEED DATED FEBRUARY 17, 1986 AND RECORDED IN THE LAND RECORDS OF HOWARD COUNTY IN LIBER No. 1449, FOLIO 227 AND 2) ALL OF THE LANDS CONVEYED BY VINCENT A. BRACCIALE, JR. AND TERESA BRACCIALE TO T.E. WISNATT CONSTRUCTION AND ASSOCIATES BY DEED DATED SEPTEMBER 8, 1988 AND RECORDED IN THE LAND RECORDS OF HOWARD COUNTY IN LIBER No. 1885, FOLIO 503 AND 3) PART OF THE LAND CONVEYED BY RUSSELL V. BECKETT AND HAZEL L. BECKETT AND FRANK F. FAVAZZA, JR. AND EMMA E. FAVAZZA TO VINCENT A. BRACCIALE, JR. AND TERESA BRACCIALE BY DEED DATED SEPTEMBER 12, 1984 AND RECORDED IN THE LAND RECORDS OF HOWARD COUNTY IN LIBER No. 1285, FOLIO 247 AND THAT ALL MONUMENTS ARE IN PLACE OR WILL BE IN PLACE PRIOR TO THE ACCEPTANCE OF THE STREETS IN THE SUBDIVISION BY HOWARD COUNTY AS SHOWN, IN ACCORDANCE WITH THE ANNOTATED CODE OF MARYLAND, AS AMENDED.

RECORDED AS PLAT NO. 9683 ON DEC. 16, 1990 AMONG THE LAND RECORDS OF HOWARD COUNTY, MD.

PARKSIDE  
LOTS 5-17  
(A RESUBDIVISION OF BRACCIALE PROPERTY LOTS 1, 2, 3 AND 4, LOTS 1, 2, 14 (PLAT NO. 6584, 6525, 6526) ZONING R

TAX MAP 10 PARCEL 36  
THIRD ELECTION DISTRICT





## Bureau of Environmental Health

8930 Stanford Boulevard, Columbia, MD 21045

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

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

[www.hchealth.org](http://www.hchealth.org)

Facebook: [www.facebook.com/hocohealth](https://www.facebook.com/hocohealth)

Twitter: HowardCoHealthDep

**Maura J. Rossman, M.D., Health Officer**

---

February 27, 2018

To: Tony Fertitta (Engineer - FCC); Steve Appler (Builder - Cairn Custom Homes)

Percolation Test Report; 1817 Quarter Horse Drive, Woodstock, MD 21163

Percolation tests were conducted at 1817 Quarter Horse Drive (Tax Map 10, Parcel 36) on February 21, 2018. Tests and profile descriptions were documented for 4 locations. All 4 test holes passed.

All percolation tests conducted were standard tests, measuring rate of fall for a pre-wet period followed by measurement and recordation of the time required for the water level to drop 1 inch. Areas that may be included in the septic reserve area are represented by test locations having satisfactory soil condition. The area must be at least 10,000 square feet and large enough to accommodate 3 systems for the planned residence.

The next step in the process is to have an engineer submit a percolation certification plan to confirm the design of the septic reserve area.

Should you have any questions regarding this evaluation, please contact me. I may be reached at (410) 313-1786 or by email [hoswald@howardcountymd.gov](mailto:hoswald@howardcountymd.gov)

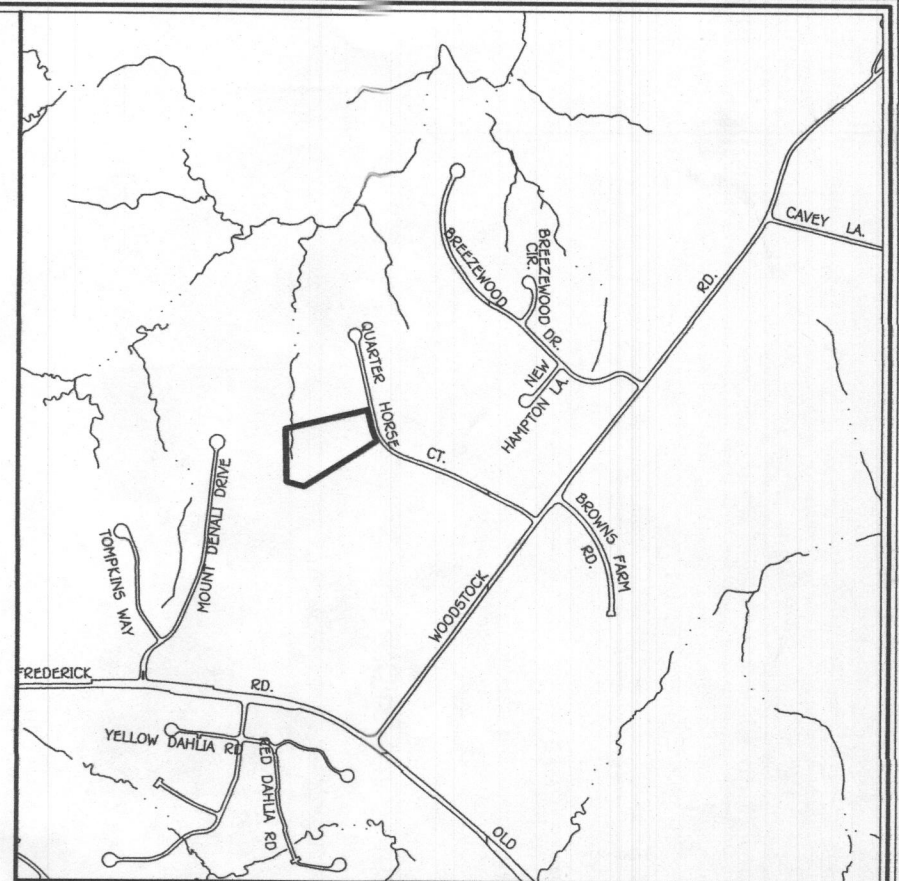
Respectfully,

*Hank Oswald*

Hank Oswald, L.E.H.S  
Bureau of Environmental Health  
Well & Septic Program

Attachment: Percolation Test Field Notes





VICINITY MAP  
SCALE: 1" = 1200'

LEGEND

- EXISTING 2' CONTOURS
- EXISTING 10' CONTOURS
- EXISTING TREE LINE
- SOIL LINES AND TYPES
- NOTES EXISTING PASSED PERC
- NOTES PASSED PERC TEST FROM 2/21/2018
- NOTES 1500 Sq.Ft. ALTERNATE WELL SITE

GENERAL NOTES:

- THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL IMPROVEMENTS OF ANY NATURE. IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE 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 ADJUSTMENTS TO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.
- ADJUSTMENTS TO SEPTIC EASEMENT AREA IS NOT PERMITTED WITHOUT ADDITIONAL TESTING.
- THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- EXISTING WELLS AND/OR SEWERAGE EASEMENTS WITHIN 100' FEET OF THE PROPERTY HAVE BEEN SHOWN FROM ALL REASONABLE EFFORTS.
- ALL HOUSE SITES SHOWN COMPLY WITH MINIMUM BUILDING RESTRICTION REGULATIONS.
- TOPOGRAPHY SHOWN IS FIELD RUN BY FISHER, COLLINS & CARTER, INC. ON 12/2017
- BOUNDARY OUTLINE BASED ON AVAILABLE DEED OF RECORD WITHOUT THE THE BENEFIT OF A FIELD SURVEY AT THIS TIME.
- ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN
- DEED REFERENCE LIBER 17089 FOLIO 150.
- THE SEWER DISPOSAL AREA ILLUSTRATED ON THIS PLAN HAS A BOUNDARY SETBACK FIVE(5) FEET FROM THE NORTHEAST PROPERTY LINE. SIGNATURE APPROVAL OF THIS PLAN ENACTS A WAIVER TO ALLOW THE SETBACK DISTANCE TO PROPERTY LINE TO BE REDUCED FROM TEN (10) FEET TO 5 FEET.
- THE EXISTING WELL SHOWN ON THIS PLAN HO-92-0320 HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN.

SOILS LEGEND

SOIL	NAME	CLASS
GgB	Glenelg loam, 3 to 8 percent slopes	B
GmB	Glenville silt loam, 3 to 8 percent slopes	C
GoB	Glenville-Codorus silt loams, 0 to 8 percent slopes	C
MgD	Manor-Bannertown sandy loams, 15 to 25 percent slopes, rocky	B
MgF	Manor-Bannertown sandy loams, 25 to 65 percent slopes, rocky	B

THE PURPOSE OF THIS PLAN IS TO REVISE THE EXISTING PERC AREA AND TEST NEW HOLES.

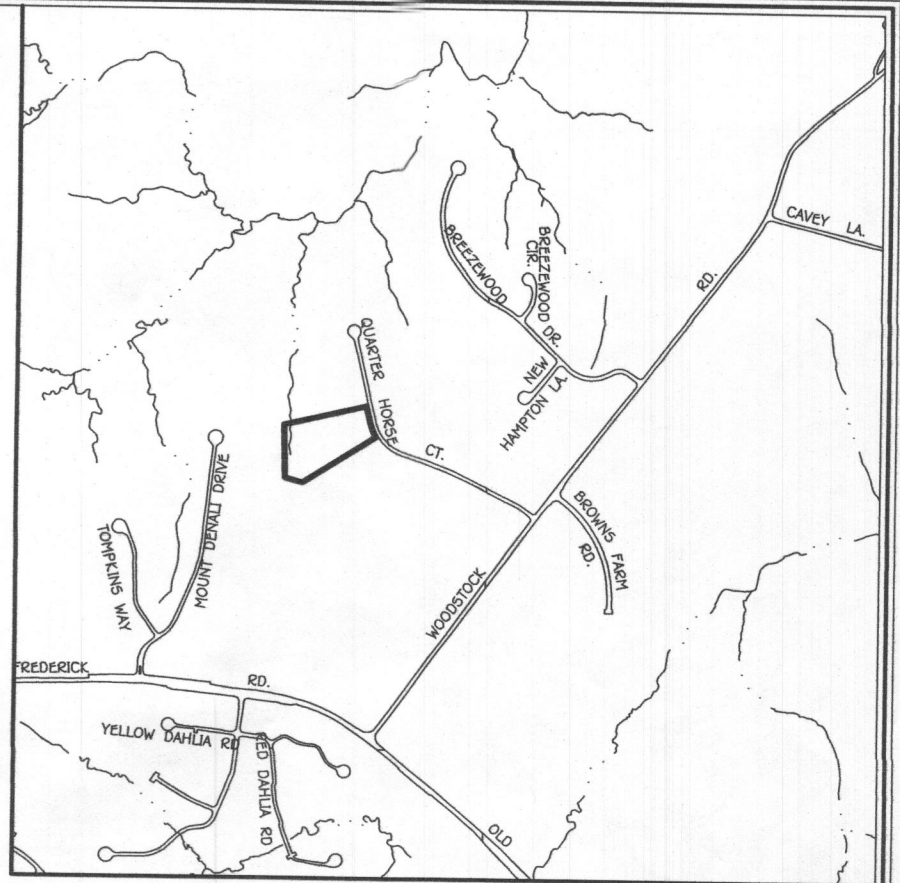
PERC CERTIFICATION  
I certify that the locations shown on this plan were based on field locations done under my direct supervision and are correct to the best of my professional knowledge and belief.  
Signature of Professional Land Surveyor: *Terrell A. Fisher* 3/12/18 Date  
Terrell A. Fisher, Professional Land Surveyor No. 10692 Expires 12/13/19

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS,  
HOWARD COUNTY HEALTH DEPARTMENT.  
Signature of Professional Land Surveyor: *Walter M. Mason* 3/13/2018 Date  
COUNTY HEALTH OFFICER W.D. a

PERC CERTIFICATION PLAN  
1817 QUARTER HORSE DRIVE

TAX MAP # 10  
3RD ELECTION DISTRICT  
SCALE: 1"=30'  
PARCEL: 36  
HOWARD COUNTY, MARYLAND  
DATE: MARCH 5, 2018





VICINITY MAP  
SCALE: 1" = 1200'

LEGEND

- EXISTING 2' CONTOURS
- EXISTING 10' CONTOURS
- EXISTING TREE LINE
- SOIL LINES AND TYPES
- DENOTES EXISTING PASSED PERC
- DENOTES PASSED PERC TEST FROM 2/21/2018
- DENOTES 1500 Sq.Ft. ALTERNATE WELL SITE

GENERAL NOTES:

- THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE 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 ADJUSTMENTS TO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.
- ADJUSTMENTS TO SEPTIC EASEMENT AREA IS NOT PERMITTED WITHOUT ADDITIONAL TESTING.
- THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- EXISTING WELLS AND/OR SEWERAGE EASEMENTS WITHIN 100 FEET OF THE PROPERTY HAVE BEEN SHOWN FROM ALL REASONABLE EFFORTS.
- ALL HOUSE SITES SHOWN COMPLY WITH MINIMUM BUILDING RESTRICTION REGULATIONS.
- TOPOGRAPHY SHOWN IS FIELD RUN BY FISHER, COLLINS & CARTER, INC. ON 12/2/2017
- BOUNDARY OUTLINE BASED ON AVAILABLE DEED OF RECORD WITHOUT THE THE BENEFIT OF A FIELD SURVEY AT THIS TIME.
- ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN.
- DEED REFERENCE LIBER 17089 FOLIO 150.
- THE SEWAGE DISPOSAL AREA ILLUSTRATED ON THIS PLAN HAS A BOUNDARY SETBACK FIVE(5) FEET FROM THE NORTHEAST PROPERTY LINE. SIGNATURE APPROVAL OF THIS PLAN ENACTS A WAIVER TO ALLOW THE SETBACK DISTANCE TO PROPERTY LINE TO BE REDUCED FROM TEN (10) FEET TO 5 FEET.
- THE EXISTING WELL SHOWN ON THIS PLAN HO-92-0320 HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN.

SOILS LEGEND

SOIL	NAME	CLASS
GgB	Glenelg loam, 3 to 8 percent slopes	B
GmB	Glenville silt loam, 3 to 8 percent slopes	C
GoB	Glenville-Codorus silt loams, 0 to 8 percent slopes	C
MgD	Manor-Bannertown sandy loams, 15 to 25 percent slopes, rocky	B
MgF	Manor-Bannertown sandy loams, 25 to 65 percent slopes, rocky	B

THE PURPOSE OF THIS PLAN IS TO REVISE THE EXISTING PERC AREA AND TEST NEW HOLES.

PERC CERTIFICATION  
I certify that the locations shown on this plan were based on field locations done under my direct supervision and are correct to my professional knowledge and belief.  
Signature of Professional Land Surveyor: *Terrell A. Fisher* Date: *3/14/19*  
Terrell A. Fisher, Professional Land Surveyor No. 10692 Expires 12/13/19

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.  
HOWARD COUNTY HEALTH DEPARTMENT.  
Signature of County Health Officer: *Monica Rossman* Date: *3/9/2019*  
COUNTY HEALTH OFFICER U.D. *Monica Rossman*

PERC CERTIFICATION PLAN  
1817 QUARTER HORSE DRIVE

TAX MAP # 10  
3RD ELECTION DISTRICT  
SCALE: 1"=30'  
PARCEL: 36  
HOWARD COUNTY, MARYLAND  
DATE: MARCH 5, 2019



**FISHER, COLLINS  
& CARTER, INC.**

**CIVIL ENGINEERING CONSULTANTS  
and LAND SURVEYORS**

# Transmittal

Terrell A. Fisher, P.E., L.S.  
Earl D. Collins, P.E.  
Charles J. Crovo, Sr., P.E., L.S.

Paul W. Kriebel, P.E.  
Mark L. Robel, P.L.S.  
Aldo M. Vitucci, P.E.  
Frank Manalansan II, L.S.  
Stephanie Tuite, RLA, P.E., LEED AP BD&C

Via: ☐ Fax ☐ Mail ☐ Messenger ☐ E-Mail ☒ To Be Picked Up  
☐ Fax (original to follow via U.S. Mail)

To: **Bureau of Environmental Health**  
**7178 Columbia Gateway Dr.**  
**Columbia, MD 21046-4544**

Attn: **Hank**  
Fax: **(410) 313-2648**  
Phone: **(410) 313-2640**

From: **Tony Fertitta**

CC:

Re: **1817 Quarter Horse**

W.O.# **17045**

Date: **March 7, 2018**

Pages: **3** Page(s) Including this cover

We are forwarding: ☒ Prints ☐ Copy of Letter ☐ Specifications ☐ Shop drawings ☐ Other  
☐ Urgent ☐ For your use ☐ As requested ☐ For Review & Comment

Remarks:

**Hank:**

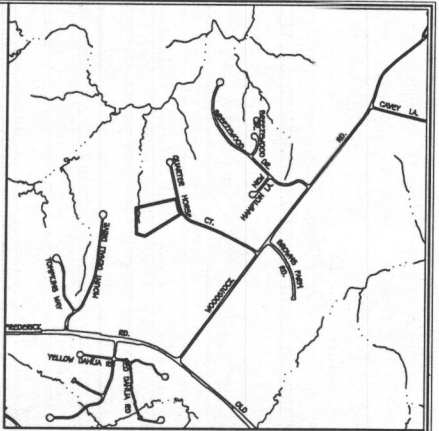
Enclosed please find Two (2) prints and a Maylar of a revised drawing entitled "Percolation Certification Plan- 1817 Quarter Horse " dated March 6, 2018. If we may be of any further assistance, please do not hesitate to call.

Very truly yours,



### **CONFIDENTIALITY NOTICE**

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VICINITY MAP  
SCALE: 1" = 1200'

LEGEND

- EXISTING 2' CONTOURS
- EXISTING 10' CONTOURS
- EXISTING TREE LINE
- SOIL LINES AND TYPES
- DENOTES PROPOSED WELL
- DENOTES FAILED PERC
- DENOTES EXISTING PASSED PERC
- DENOTES PROPOSED PERC
- DENOTES PROPOSED HOUSE
- ▨ DENOTES 15%-24.9% SLOPES
- ▩ DENOTES 25% AND GREATER SLOPE
- DENOTES 1500 Sq.Ft. ALTERNATE WELL SITE

GENERAL NOTES:

- THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE 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 ADJUSTMENTS TO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.
- ADJUSTMENTS TO SEPTIC EASEMENT AREA IS NOT PERMITTED WITHOUT ADDITIONAL TESTING.
- THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- EXISTING WELLS AND/OR SEWERAGE EASEMENTS WITHIN 100 FEET OF THE PROPERTY HAVE BEEN SHOWN FROM ALL REASONABLE EFFORTS.
- ALL HOUSE SITES SHOWN COMPLY WITH MINIMUM BUILDING RESTRICTION REGULATIONS.
- TOPOGRAPHY SHOWN IS FROM HOWARD COUNTY Q5 TOPOGRAPHY AT 2' CONTOUR INTERVAL.
- BOUNDARY OUTLINE BASED ON AVAILABLE DEED OF RECORD WITHOUT THE BENEFIT OF A FIELD SURVEY AT THIS TIME.
- ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN.
- DEED REFERENCE LIBER 17089 FOLIO 150.

SOILS LEGEND

SOIL	NAME	CLASS
GgB	Glenelg loam, 3 to 8 percent slopes	B
GmB	Glenville silt loam, 3 to 8 percent slopes	C
GoB	Glenville-Codorus silt loams, 0 to 8 percent slopes	C
MgD	Manor-Bannertown sandy loams, 15 to 25 percent slopes, rocky	B
MgF	Manor-Bannertown sandy loams, 25 to 65 percent slopes, rocky	B

THE PURPOSE OF THIS PLAN IS TO REVISE THE EXISTING PERC AREA AND TEST NEW HOLES.

PERC APPLICATION PLAT

1817 QUARTER HORSE DRIVE