

# APPLICATION

PERCOLATION TESTING

A 23421

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
PO BOX 476 ELLICOTT CITY, MARYLAND 21043  
TELEPHONE 461-9933

NO FEE  
PREVIOUSLY APPROVED  
NO RECORDS LOCATED  
C. Waller

DISTRICT \_\_\_\_\_

DATE \_\_\_\_\_

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 Bruce Penn

ADDRESS American Properties, Inc. 8307 Main St. PHONE D-465-4920  
Ellicott City, Md. H-461-5227

PROSPECTIVE BUYER \_\_\_\_\_

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

PROPERTY LOCATION:

SUBDIVISION Collins Property LOT NO 1

ROAD AND DESCRIPTION 2253 Daniels Rd. (NEXT TO STATE PARK ROAD)

TAX MAP 18 PARCEL # 350

SIZE OF LOT 2.054<sup>1</sup> 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.

(SIGNATURE OF APPLICANT)

APPROVED BY Sid Abue FOR Standard Trucks DATE 10/17/88

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

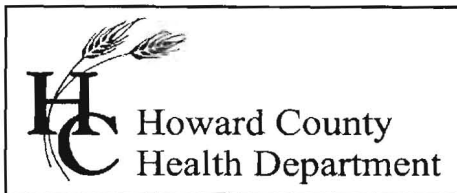
HOLD PENDING FURTHER TESTS \_\_\_\_\_ DATE \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING Issue ok - S&W

BLDG. PERMIT SIGNED  
AND RETURNED 10/17/88  
BF 21938

## THIS IS NOT A PERMIT

TESTED BY 2/12/21 ALSO PRESENT 1/12/21



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

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Peter L. Beilenson, M.D., M.P.H., Health Officer

July 11, 2012

MEMO

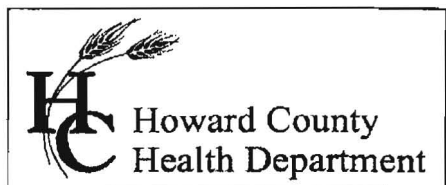
To: Bruce and Holly Penn, owners  
2253 Daniels Road, Ellicott City, MD 21043  
[hofclimb@gmail.com](mailto:hofclimb@gmail.com)

RE: Follow-up to phone conversation; summary of issues related percolation testing and potential future construction at 2253 Daniels Road

For clarity,

1. Concerning potential to construct a detached garage near the 'back' of your property: the area occupied by the garage and a 20 foot setback would have to be proven to be unsuitable for wastewater disposal for the Health Department to approve the proposal.
2. Concerning proposals to expand enclosed living area: percolation testing is required to prove the area currently believed to be suitable for a 'Repair' system. This would also entail locating the existing trenches so available repair area can be determined.
3. If area is identified for only an initial system (i.e. current system) and one repair system, installation of advanced pre-treatment is required. Information regarding pre-treatment methods and manufacturers is accessible from the Well and Septic Program webpage, <http://www.howardcountymd.gov/DisplayPrimary.aspx?id=4294969361>
4. Percolation tests may be conducted on your property on sloping land up to about 30% grade.
5. Any 'Passing' perc test on the steep slopes needs to be supported by a profile observation directly downslope. Thereby the possibility of percolating wastewater being forced to the soil surface by a restrictive layer may be avoided.

Should you choose to pursue percolation testing and development of a Percolation Certification Plan, a completed Percolation Test Application form with a fee of \$506 must be submitted to the Bureau of Environmental Health. A Percolation Test Plan will not be required as the Plot Plan submitted with your recent Building Permit Application will be sufficient.



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Peter L. Beilenson, M.D., M.P.H., Health Officer

June 6, 2012

To: Bruce and Holly Penn, owners  
2253 Daniels Road, Ellicott City, MD 21043  
[hofclimb@gmail.com](mailto:hofclimb@gmail.com)

RE: 2253 Daniels Road, proposed addition (B12001301); Percolation Certification Plan requirement

A Percolation Certification Plan will be required for approval of any building permit for the subject property. A variance from Percolation Certification Plan likely will not be approved. Following are issues identified in relation to the physical conditions on the subject property and information in the Health Department file for the well and the septic system on the subject property.

Drawings are attached in support of this description of issues.

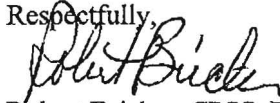
- A. The first drawing is a copy of the plat creating the subject property (Collins Property, Lot 1; Tax Map 18, Parcel 350) approved 10/18/1977. Percolation Test results supporting the depicted septic reserve area not included in the Health Department's Well and Septic Program file for the subject property.
- B. The second drawing, certified by Gary J. Thurman, L.S. (Dewberry & Davis) on 8/10/1977, shows the subject property with the same dimensions and with the septic reserve area in the same location and having the same dimensions as the Record Plat signed in 1977.
- C. The third drawing shows the house location (as presented by William E. Doyle, L.S.) in relation to the lot lines.
- D. The fourth drawing shows the overlay of the house on the Record Plat and depicting the encroachment of the house on the septic reserve area approved by the Health Officer in 1977. This condition requires a revision of the septic reserve area to re-define the required 10,000 square-foot area of the septic reserve.
- E. The fifth drawing, from the Health Department's Well and Septic Program file for the subject property, shows a proposed revision of the septic reserve area and four proposed percolation tests. There is no signature approval included in this view of an original document that is not included in the file. As presented, the configuration of the septic reserve area cannot be approved due to the required 100-foot setback to the stream.

Percolation testing will be required to delineate area(s) of soils suitable for wastewater disposal and treatment. A thorough field review needs to be conducted prior to percolation testing as there are challenging conditions on the subject property. Identifiable physical conditions on the subject property, and including areas near the subject property's boundaries, that effect approvable area for a septic reserve include locations of house, driveway, stream, well, spring(s), rock outcrop(s), and slopes with grade greater than 25 percent.

Be advised that the Percolation Certification Plan also identifies and certifies the location of the well and replacement well locations.

If you have questions regarding the requirements described above, you may contact me at my work location in the Bureau of Environmental Health, 410-313-2691, or by 'Reply' to email.

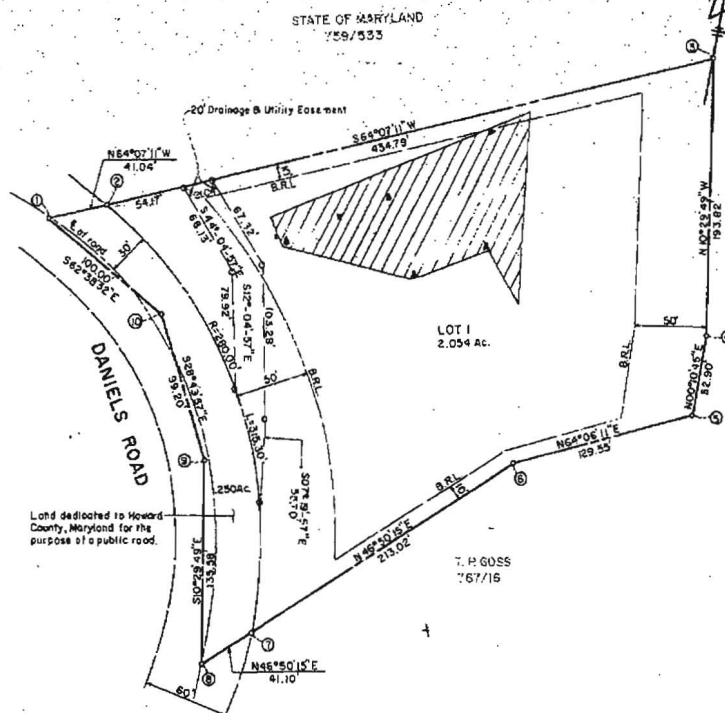
Respectfully,

A handwritten signature in black ink, appearing to read "Robert Bricker", written over the word "Respectfully,".

Robert Bricker, CPSS, REHS/R.S.  
Environmental Sanitarian, Well and Septic Program

COORDINATES		CURVE TABLE					
NO.	NORTH	EAST	CURVE	Δ	RADIUS	LENGTH	TANGENT
1	537648.33	853937.55	2-7	34°31'10"	280.00	315.30	175.73
2	537668.24	853974.47					
3	537658.03	854285.66					
4	537665.55	854400.97					
5	537612.58	854400.80					
6	537556.00	854482.26					
7	537410.28	854128.98					
8	537382.16	854096.90					
9	537515.47	854074.20					
10	537602.57	854028.76					

COORDINATES BASED ON HOWARD COUNTY  
CONTROL CARDS: 23443008  
23443009  
23543005



J. K. KUHN  
W. P. KUHN  
J. COLLINS  
550/79 766/140

## NOTES

\*\*\*\*\* This area designates a private sewage easement of approximately 10,000 sq. ft. as required by the Maryland State Department of Health and Mental Hygiene for individual sewage disposal. Improvements of any kind in this area are restricted until public sewage is available and servicing any residential structures constructed on these building sites. The easement shall become null and void upon connection to a public sewage system.

This plat is subject to VP-78-15

TOTAL NUMBER OF LOTS 1  
TOTAL AREA OF LOTS 2.054 Ac.  
TOTAL AREA OF ROADWAY 0.250 Ac.  
TOTAL AREA OF SUBDIVISION 2.304 Ac.

FILED OCT 18 1977

Received for Transfer  
HOWARD COUNTY

*G. R. Baker*  
Treas. of H.C.

Date: 10/18/77

APPROVED: For private water and private sewerage systems, Howard County Health Department  
*James H. [Signature]* 10-18-77  
County Health Officer Date

APPROVED: Howard County Office of Planning and Zoning  
*[Signature]* 10-18-77  
Director Date

APPROVED: For storm drainage systems and public roads, Howard County Department of Public Works  
*[Signature]*  
Director Date

## OWNER'S CERTIFICATE

We, John C. Kuhn, Jr., Warren R. Kuhn and Joan Collins, owners of the property shown shown and described herein, hereby adopt this plan of subdivision, and in consideration of the approval of this Final Plat by the Office 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 streets, drains, water pipes and other municipal utilities and services, in and under all roads and street right-of-ways and the specific easement areas shown hereon; (2) dedicate to public use the beds of the streets and/or roads and floodplains and open space where applicable; and for One Dollar (\$1.00) 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 floodplains and open space where applicable; (3) that no building or similar structure of any kind shall be erected on or over the said easements and right-of-ways; and (4) it is further agreed that maintenance of all waterways, drainage easements and/or floodplains shown hereon are the responsibility of the property owner, its successors or assigns. Witness our hands this 17th day of October, 1977.

## SURVEYOR'S CERTIFICATE

I hereby certify that the final plat shown hereon is correct; that it is a subdivision of part of the lands conveyed, by John C. Kuhn, Sr. to John C. Kuhn, Jr., Warren R. Kuhn and Joan Collins by deed dated January 18, 1971 and recorded in the Land Records of Howard County, in Liber 550, Folio 79, and that all monuments are in place as shown, in accordance with the Annotated Code of Maryland, as amended.

Date: \_\_\_\_\_ Henry V. Oheim M 4158

TYDINGS - OHEIM ASSOC., INC.  
LAND SURVEYORS  
CONSTRUCTION SURVEYORS  
8370 COURT AVENUE  
ELLICOTT CITY, MD. 21043  
301- 455-0850

OWNER & DEVELOPER  
JOAN COLLINS  
3033 OAK GREEN CIRCLE  
ELLICOTT CITY, MD. 21043

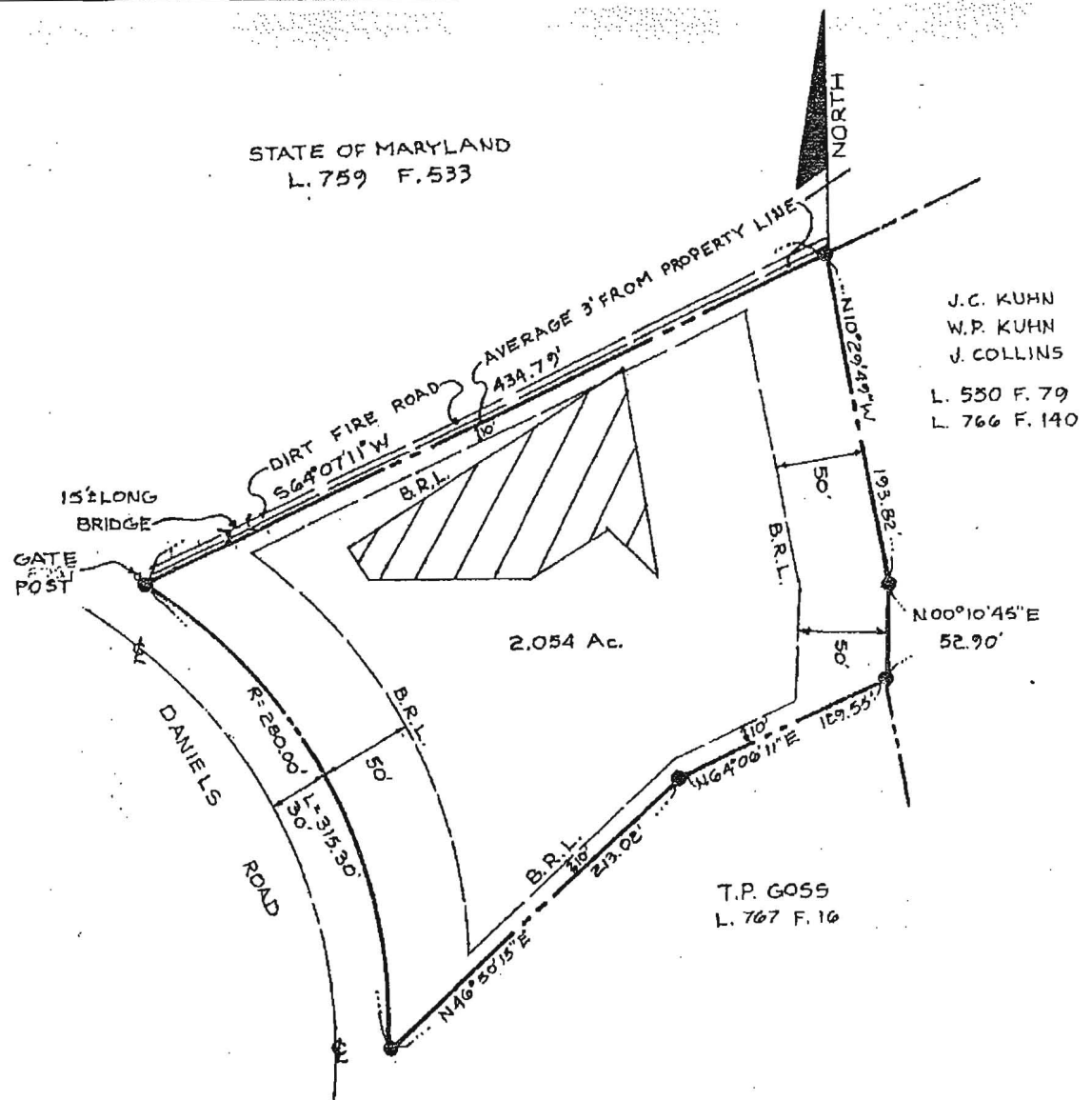
## COLLINS PROPERTY

SECOND ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

SCALE: 1"=50'  
SEPTEMBER, 1977

MSA SSW1247-636

STATE OF MARYLAND  
L. 759 F. 533



LEGEND

- = IRON PIPE SET/FOUND
- = PROPERTY LINE
- //// = PRIVATE SEWAGE EASEMENT

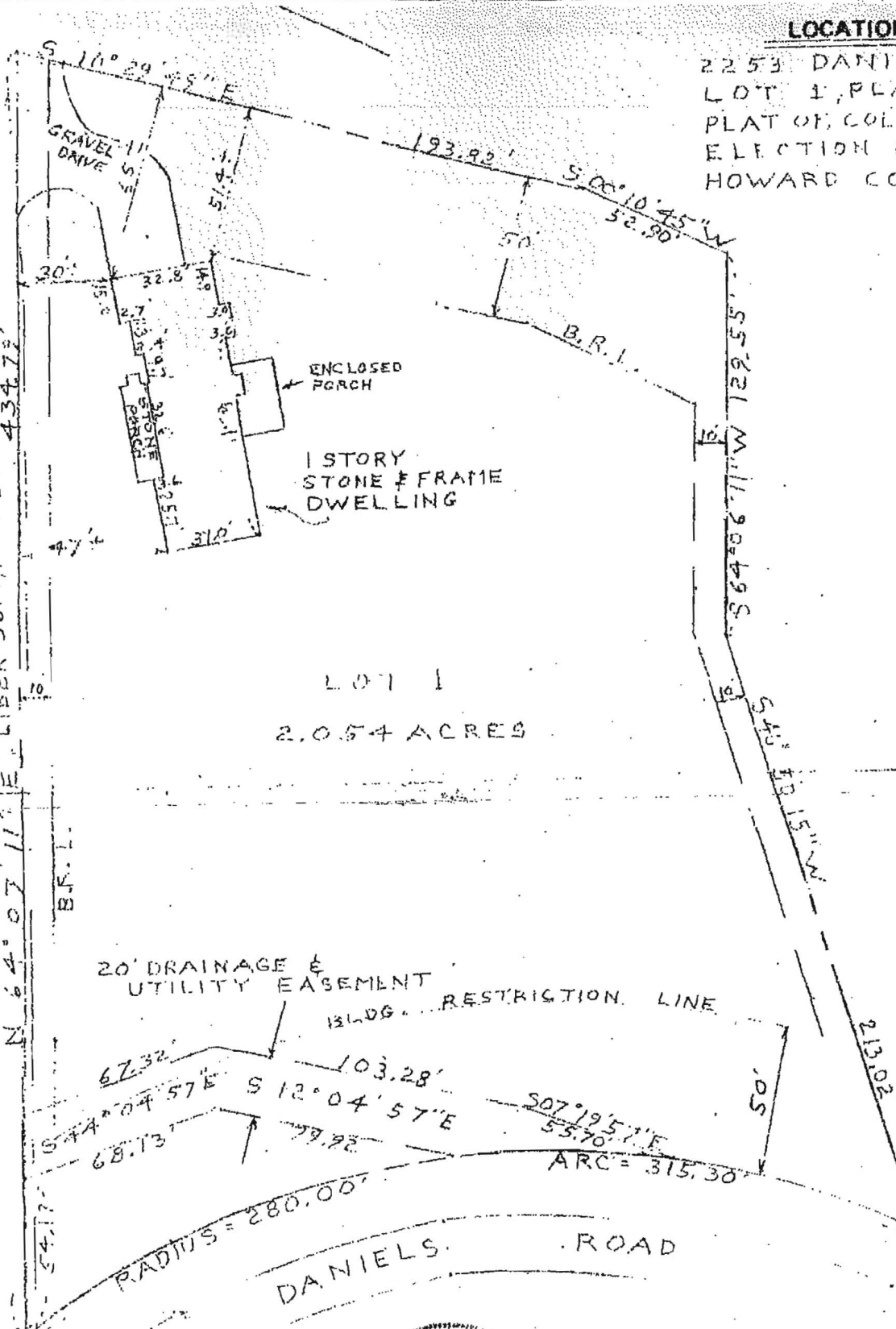


LOT LOCATION  
BRUCE PENN PROPERTY

# LOCATION SURVEY

2253 DANIELS ROAD  
LOT 1, PLAT NO. 3883  
PLAT OF COLLINS PROPERTY  
ELECTION DISTRICT 2  
HOWARD COUNTY MD.

RIGHT OF WAY STATE OF MARYLAND  
LIBER 5617, FOLIO 363 434.72'  
GRAVEL DRIVEWAY  
N 64° 07' 11" E  
BK. L.



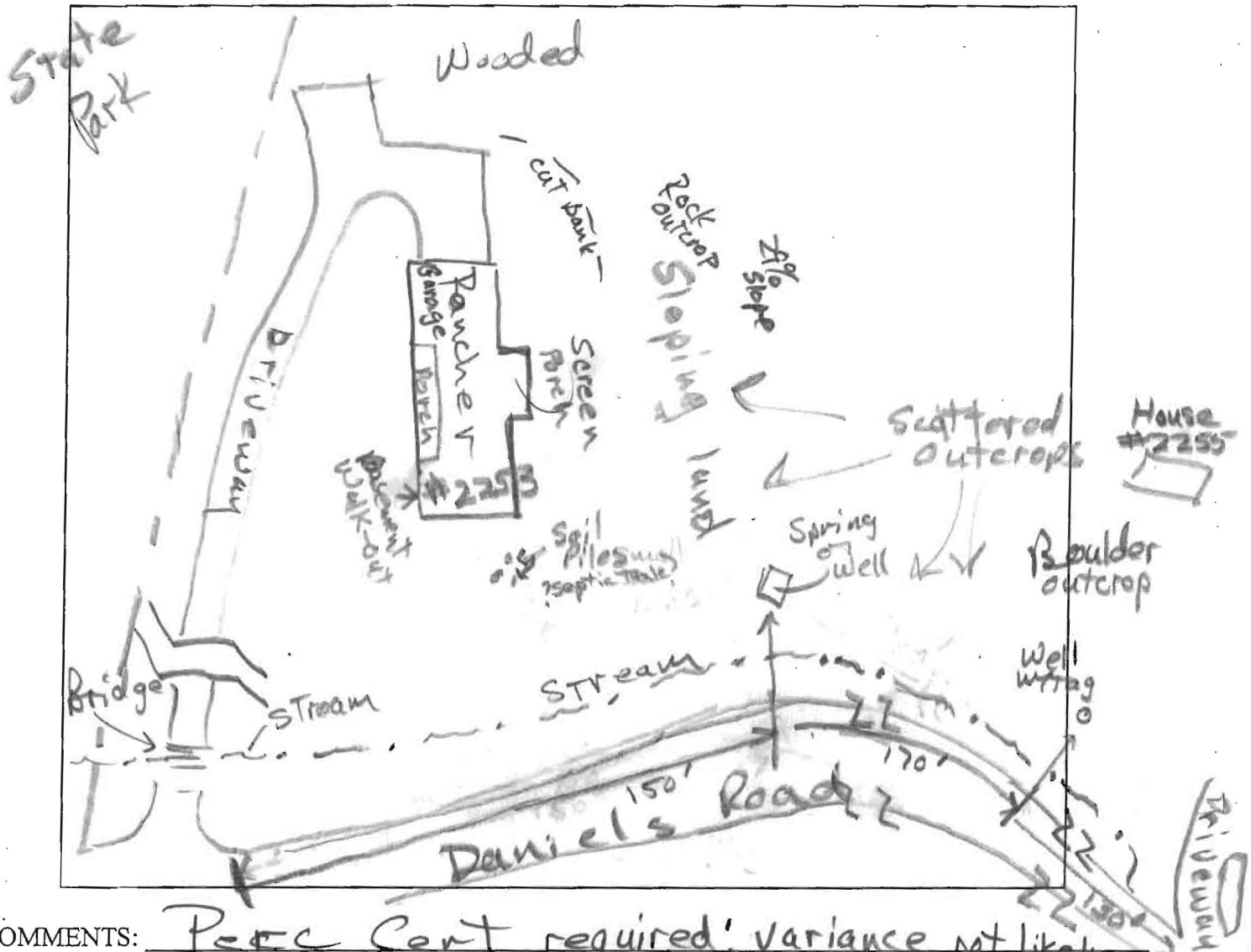
THIS IS TO CERTIFY THAT WE HAVE MADE A  
LOCATION SURVEY OF THE IMPROVEMENTS, AND  
THAT THEY ARE LOCATED ON THE LOT AS SHOWN  
HEREON.



SITE INSPECTION SHEET

OWNER: Bruce and Holly Penn PHONE #: \_\_\_\_\_  
ADDRESS: 2253 Daniels Rd. CONTRACTOR: \_\_\_\_\_  
Elliecott City 21043 WELL TAG #: \_\_\_\_\_  
SUBDIVISION: Collins Prop. LOT: 1 COUNTY #: \_\_\_\_\_  
PROPOSAL: Attempted Field Review - nobody answered door

LOCATION DIAGRAM



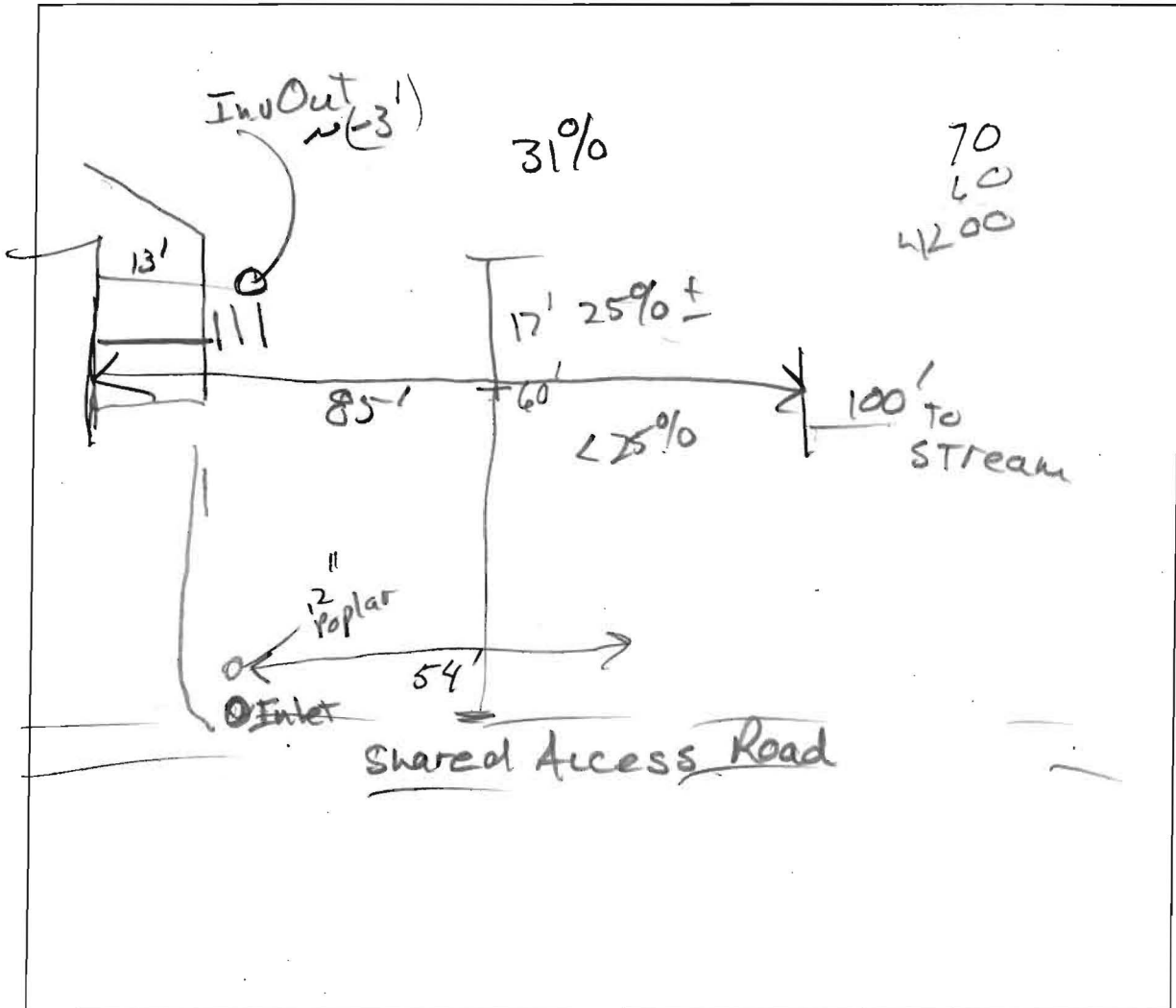
COMMENTS: Perc Cert required; variance not likely  
Issues concerning potential septic reserve area follow:  
Setbacks to House, Driveway, Stream, well, spring, rock outcrops,  
and slopes > 25%. Driveway may encroach on proposed revised  
septic reserve.

DATE: 6/6/12 INSPECTOR: R. Parker

SITE INSPECTION SHEET

OWNER: Bruce Penn PHONE #: \_\_\_\_\_  
ADDRESS: 2253 Daniels Road CONTRACTOR: \_\_\_\_\_  
WELL TAG #: \_\_\_\_\_  
SUBDIVISION: \_\_\_\_\_ LOT: \_\_\_\_\_ COUNTY #: \_\_\_\_\_  
PROPOSAL: Field Evaluation - Potential Perc Area

LOCATION DIAGRAM



COMMENTS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

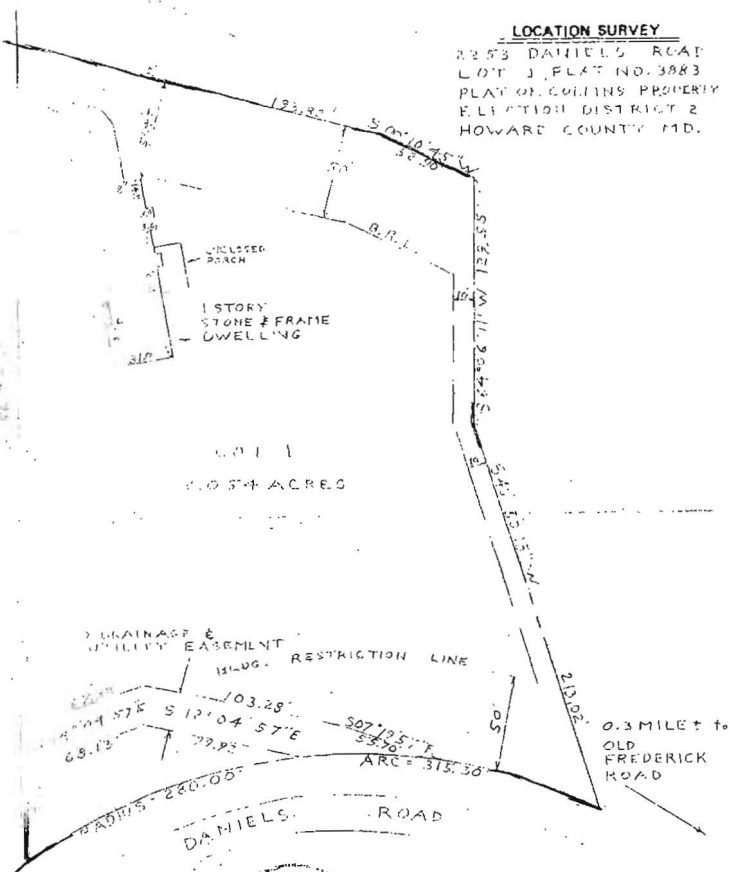
DATE: 6/22/12 INSPECTOR: ABuck

Wm. E. Doyle

LINO SURVEYOR #480  
HERALD DRIVE SYKESVILLE, MARYLAND 21784 PHONE (301) 793-2210

LOCATION SURVEY

2253 DANIELS ROAD  
LOT 1, PLAT NO. 3883  
PLAT OF COLLINS PROPERTY  
ELECTION DISTRICT 2  
HOWARD COUNTY MD.



THIS IS TO CERTIFY THAT WE HAVE MADE A  
LOCATION SURVEY OF THE IMPROVEMENTS, AND  
THAT THEY ARE LOCATED ON THE LOT AS SHOWN  
HEREON.

Signed This 18th day NOVEMBER 1982

Wm. E. Doyle

NOTE: This plat cannot be used to establish



W. E. Doyle

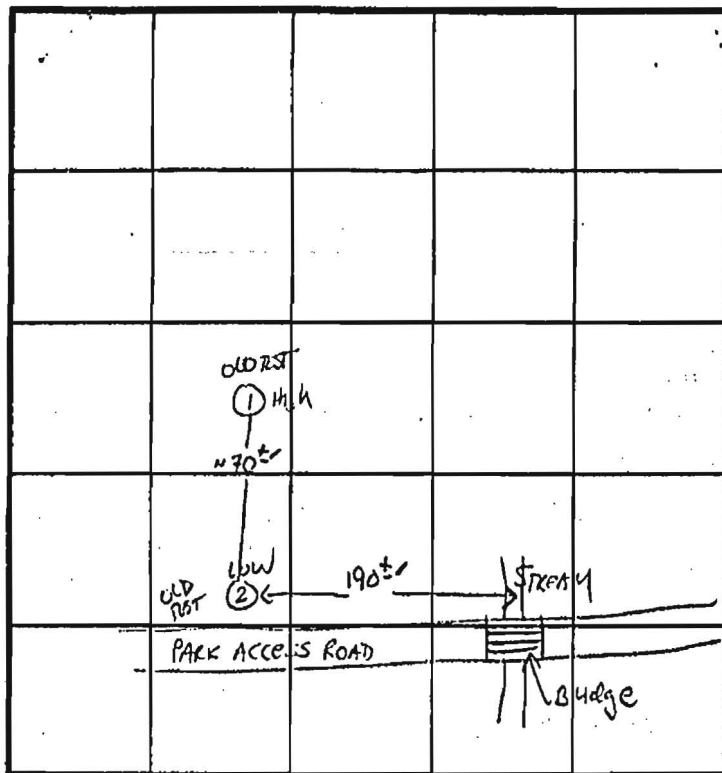
13

① - ②  
SOIL PROFILE

4" A1-3  
STRONG CL  
Silty Clay  
LOAM  
15% CLAY  
10-15%  
FRAGS

4' Yellow BR  
SANDY SILT  
LOAM  
Highly  
MICACEOUS  
20-25%  
FRAGS

13'



DANIELS  
ROAD

X Perc 15 MIN  
200 Φ 1/8"

INLET 4'  
BOTTOM 6'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5/6/87	1 S V	4' 13'	12:16	12:27	12:27	12:47	20 MIN
	2 S V	4' 13'	12:42	12:49	12:49	1:00	11 MIN

REMARKS

TYPE OF SOIL

TESTED BY

S. Abel

ALSO PRESENT

D. KETTERMAN / Penn

