

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

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Twitter: HowardCoHealthDep

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

APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME BRAEBURN

PROPERTY ADDRESS 10865 BRAEBURN DRIVE, COLUMBIA, MD 21044

STREET

TOWN

ZIP

TAX ACCOUNT # 05-363829 TAX MAP 35 GRID 17 PARCEL 228 LOT NO. 13 PROPOSED LOT SIZE (ACRES) 1.176 AC

ZONING CATEGORY R-20 TIER

PROPERTY OWNER(S) ANGELA CRUMP VOLCY & GUERDY VOLCY

DAYTIME PHONE 443-210-1415 CELL EMAIL guerdy_angela@hotmail.com

MAILING ADDRESS PSC 78 Box 12 APO AP 96326

STREET

CITY, STATE

ZIP

APPLICANT David Pastva, Craftmark Homes RELATIONSHIP TO OWNER: Developer

DAYTIME PHONE 703-748-5866 CELL 703-928-6535 EMAIL dpastva@CraftmarkHomes.com

MAILING ADDRESS 1355 Beverly Road, Suite 330 McLean, VA 22101

STREET

CITY, STATE

ZIP

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

PROPERTY:

- PROPERTY options: SUBDIVISION, CONSTRUCT NEW OSDS, REPAIR OR REPLACE FAILING OSDS, UPGRADE EXISTING OSDS

BUILDING:

- BUILDING options: RESIDENTIAL WITH 5 EXISTING OR PROPOSED BEDROOMS, COMMERCIAL

IS THE PROPERTY WITHIN 2500 FEET OF ANY RESERVOIR?

- 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.

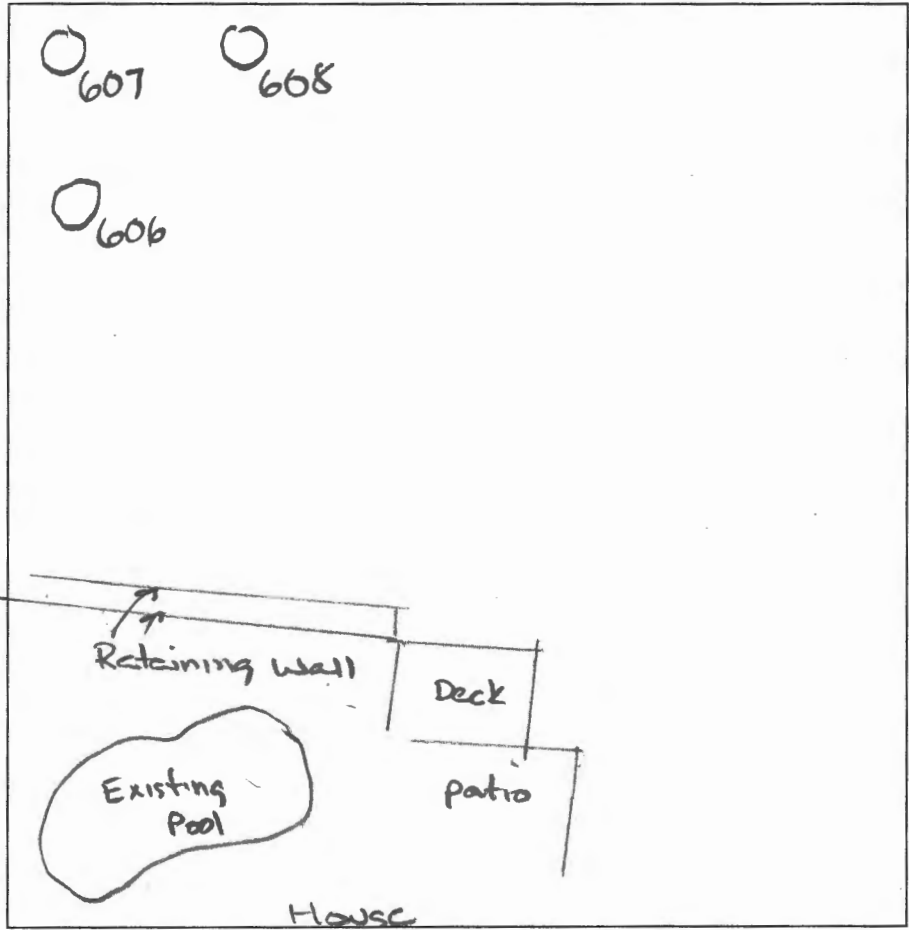
By signature of this application, I hereby grant Howard County Health Department officials the right to enter onto the property for the purpose of inspecting the property as directly related to the requested permit/service.

SIGNATURE OF APPLICANT

DATE

AP _____

606
 0.4" brl
 yel red
 4' sl
 tan
 sl
 w/ mica
 8' thin platy
 Hard
 Bottom



607
 0.4" brl
 yel-red
 sl
 much
 mica
 4' tan
 sl
 8' dry
 hard bottom

10865 Braeburn Road

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
5/2/18	606	2.5/8'	10:46	10:52	11:00	8"	P
5/2/18	607	2.5/8'	10:58	11:01	11:04	3"	P
5/2/18	608	/9'	observation hole				P

608
 similar
 to
 607
 9'

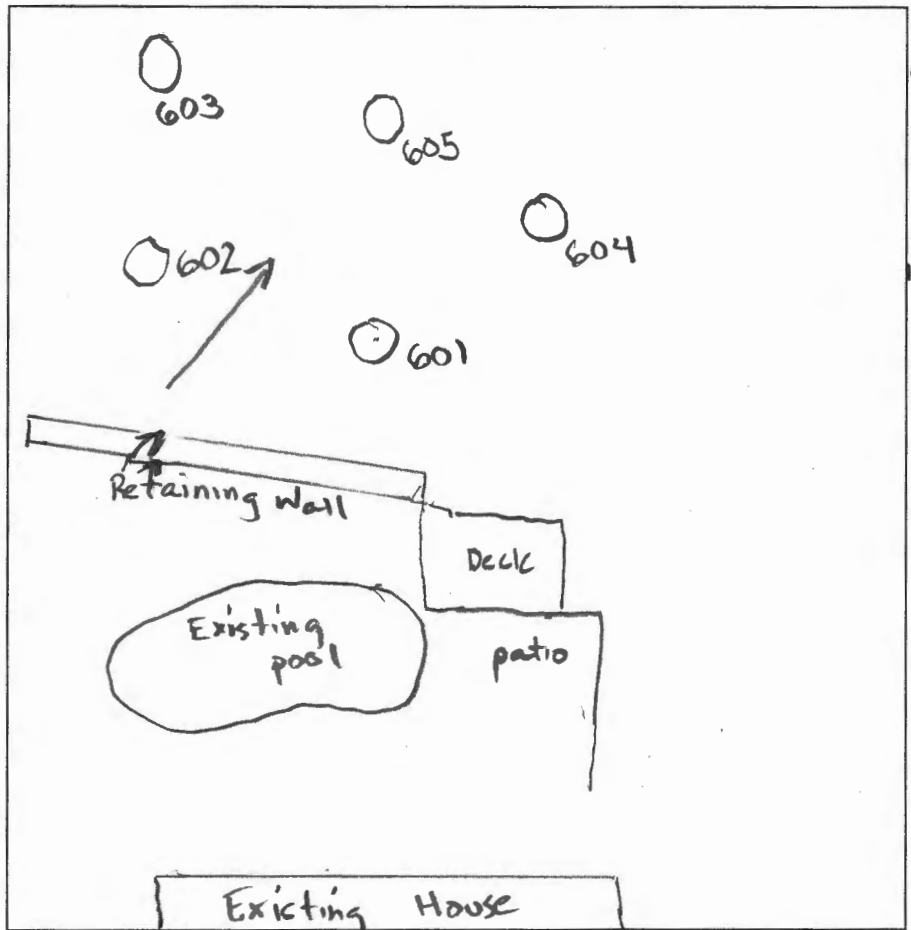
REMARKS Hole 606 is approx. 310' from road.
 LEHS, H. Oswald BACKHOE Lowland OTHERS Builder / Owner
 SANITARIAN
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

A/P _____

601
 drk brl w/ roots
 0.6"
 yel red sil cl w/ pockets of LSE 3'
 2'
 yel red sil w/ mica
 13'

602
 drk brl w/ roots
 0.5"
 yel-red sl w/ mica
 10'
 yel-tan sl mica
 11'
 tan sl
 11.5'
 dry

603
 drk brl w/ roots
 0.5'
 yel-red sil
 13'
 tan sl w/ mica
 6'
 5/8 yel tan sl
 11.5'



604
 0.6" drk brl
 yel-red sil w/ mica
 10'
 yel tan sl w/ mica
 11.6'
 dry

605
 similar to hole 604

10865 Braeburn Road

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
5/2/18	601	3'/13'	9:39	9:43	9:49	6	P
5/2/18	602	3'/11.5'	9:55	9:59	10:04	5	P
5/2/18	603	4.5'/11.5'	10:26	10:30	10:38	8	P
5/2/18	604	3.5'/11.6'	9:20	9:23	9:28	5	P
5/2/18	605	4.5'/11.5'	10:21	10:31	10:44	13	P

REMARKS Hole 601 is approx 200' from road
 L.E.H.S. H. Oswald BACKHOE Leveland OTHERS Builder & Owner
 SANITARIAN - Justin
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

**Howard County Department of Planning and Zoning
Division of Land Development**

ALTERNATIVE COMPLIANCE APPLICATION

[Alternative Compliance from Subdivision and Land Development Regulations]

Date Submitted/Accepted _____ DPZ File Number 19-011

I. Site Description

Subdivision Name/Property Identification: Braeburn, Lot 13
 Location of property: 10865 Braeburn Road, Columbia, MD 21044
(Street Address and/or Road Name)

Residential
(Existing Use)

Residential
(Proposed Use)

35
(Tax Map No.)

17
(Grid/Block No.)

228
(Parcel No.)

5
(Election District)

R-20
(Zoning District)

1.1680
(Total Site Area)

Provide a brief site history including reference to all previously submitted or currently active plans on file with the County (subdivision plans, Board of Appeals petitions, alternative compliance petitions, etc.)
Percolation Certification Plan

II. Alternative Compliance Request

In accordance with Section 16.104 of the Howard County Subdivision and Land Development Regulations, the Department of Planning and Zoning, in conjunction with the Subdivision Review Committee **may grant alternative compliances or modifications to the minimum requirements stipulated within the Regulations if it is determined that extraordinary hardships or practical difficulties may result from strict compliance with the regulations, or if it is determined that the regulations may be served to a greater extent by an alternative proposal.**

In the area below, the petitioner shall enumerate the specific numerical section(s) from the Subdivision and Land Development Regulations for which an alternative compliance is being requested and provide a brief summary of the regulation. Attach a separate sheet if additional information is appropriate.

<u>Section Reference No.</u>	<u>Summary of Regulation</u>
1. <u>16.155(a)(2)(ii)</u>	<u>An approved site plan is required for the development of a single family detached residential lot within the planned service area for both public water and sewer.</u>
2. _____	_____
3. _____	_____
4. _____	_____
5. _____	_____

III. *Justification*

All alternative compliance requests must be fully justified by the petitioner. Incomplete or inadequate justification may result in rejection of the application at the time of submission. Justification must be specific to the subject property. The justification provided by the petitioner should include all factors which rationalize or substantiate the request in accordance with the following criteria:

- a. Summarize any extraordinary hardships or practical difficulties which may result from strict compliance with the Regulations.
- b. Verify that the intent of the Regulations will be served to a greater extent through the implementation of the alternative proposal.
- c. Substantiate that approval of the alternative compliance will not be detrimental to the public interests.
- d. Confirm that approval of the alternative compliance will not nullify the intent of the Regulations.

PLEASE ATTACH A SEPARATE LETTER OF JUSTIFICATION TO SUPPORT THE ALTERNATIVE COMPLIANCE REQUESTS.

IV. *Pre-Submission Meeting Requirements*

- a. **Community Meeting Requirement** - If no previous subdivision plans and/or zoning or conditional use petitions were processed, a pre-submission community meeting is required for the initial plan submittal of all new residential development and for new non-residential development located within 200 feet of a residential zoning district or an existing non-residential development which is located within 200 feet of a residential zoning district and proposed for a floor area expansion of more than 25% in accordance with Sections 16.156(a) and 16.128 of the Subdivision and Land Development Regulations for alternative compliance of the site development plan requirement. [See DPZ policy memo dated 3/22/04 for existing lots/parcels]. The property owner/developer must provide 3 weeks advance notice regarding the community meeting's date, time and location to all adjoining property owners identified in the records of the State Department of Assessments and Taxation and any community association that represents the geographic area of the subject property by first class mail; and sent electronically to any community association registered with the County for projects in a certain geographic area; the Howard County Council; and DPZ, which will place the meeting notice on the DPZ's website. The developer shall send a copy of the minutes and written responses to the meeting attendees and DPZ, either electronically or by first class mail. **A certification that meeting notices were mailed, contact information for the attendees and a copy of the minutes and a written response with a dated return mail receipt or dated email attached to all of the major comments recorded at the meeting must be submitted to DPZ along with the initial plan application. The meeting minutes, including a written response to all questions, shall be sent to all meeting attendees within 60 days of the meeting either electronically or by first class mail [Council Bill 6-2011].**
- b. **HPC Meeting Requirement** - A pre-submission advisory meeting with the Historic Preservation Commission is required for new development located within a Historic District or if the site contains a historic structure (50 years or older) in accordance with Section 16.603A of the Howard County Code. Verify this requirement by checking the Historic Sites Inventory list and maps available at the DPZ public service desk or checking with the Resource Conservation Division. The property owner/developer must contact the DPZ, Resource Conservation Division for the HPC scheduling process and procedures. **The property owner/developer must submit a copy of the minutes from the HPC Advisory Meeting to DPZ along with the initial subdivision or site development plan application.**
- c. **MAA Meeting Requirement** - For all proposed subdivisions or developments located within the BWI Airport Noise Zone or the Airport Zoning District (4 mile radius from the center of the airport), the review and approval by the Maryland Aviation Administration is required prior to signature approval of final plan road and SWM construction drawings, and/or site development plans, or alternative compliance approval of SDP. Please contact the MAA at P.O. Box 8766, BWI Airport, Maryland, 21240-0766, or (410) 859-7100. A copy of the MAA approval letter must accompany the submission of the final road/SWM construction plan original drawings, and/or site development plan original, or alternative compliance application.

- d. **Design Advisory Panel (DAP)** – A pre-submission advisory meeting with the Design Advisory Panel is required for sketch and preliminary equivalent sketch plans that are submitted on or after November 3, 2008 for new development or redevelopment projects on parcels located in the U.S. Route 1 corridor that are zoned 'CE', 'CAC' or 'TOD' or that adjoin the Route 1 right-of-way and that are subject to the Route 1 Design Manual; on parcels located within the U.S. Route 40 corridor that are zoned 'TNC' or that are subject to the Route 40 Design Manual; on parcels which age-restricted adult housing is to be constructed pursuant to a conditional use; on redevelopment parcels located in the New Town Village Centers with boundaries proposed by a property owner or established by the Zoning Board or County Council; and for revitalization and redevelopment of Downtown Columbia in accordance with Sections 16.1501 and 16.1504 of the Howard County Code. The property owner/developer must contact the DPZ, Division of Comprehensive and Community Planning to verify this requirement and for information concerning the DAP meeting scheduling process and procedures. **The property owner/developer must submit a copy of the DAP project design recommendations to DPZ along with the initial subdivision plan application.**

V. **Plan Exhibit**

A. **Number of Copies Required**

The alternative compliance application must be accompanied by copies of a detailed plot plan, subdivision plat or site development plan (**15 sets of the completed alternative compliance application and plan exhibit if the subject property adjoins a County road; 19 sets for properties adjoining a State road**).

In instances where the alternative compliance request concerns an approval extension or if an associated plan is in active processing, only 2 sets of plans are required along with 15 or 19 copies of the application form. **Plans must be folded to a size no larger than 7-1/2" x 12". The pre-packaging of plans and supplemental reports by SRC agency will be permitted by DPZ provided that each package contains a cover letter which itemizes all plans, reports and documents included in the package.**

Please be advised that all plan application submissions are ACCEPTED BY APPOINTMENT ONLY. All plan submission appointments must be scheduled with the Division of Land Development at (410) 313-2350.

Plan applications are available on the DPZ website at <https://howardcountymd.gov/Departments/Planning-and-Zoning/Land-Development>.

B. **Plan Requirement Checklist**

The detailed alternative compliance exhibit, plot plan, subdivision plan or site development plan must indicate the following required information relevant to the alternative compliance request to ensure acceptance of the alternative compliance application for processing.

Legend:	<input checked="" type="checkbox"/> NA	Information Provided Not Applicable	<input checked="" type="checkbox"/> Information Not Provided, Justification Attached
---------	----------------------------------------	----------------------------------------	-----------------------------------------------------------------------------------------

- 1. Vicinity map scale 1" = 2,000' indicating and identifying the total boundary of the property, exact site location, vicinity roads and north arrow.
- 2. Bearings and distances of property boundary lines for the entire tract and size of tract area.
- 3. North arrow and scale of plan.
- 4. Location, extent, boundary lines and area of any proposed lots.
- 5. Any existing or proposed building(s), structures, points of access, driveways, topography, natural features and other objects and/or uses on the subject and adjacent properties which may be relevant to the petition; i.e. historic structures, cemeteries or environmentally sensitive areas.
- 6. Delineation of building setback lines.
- 7. Delineation of all existing public road and/or proposed street systems.
- 8. Identification and location of all easements.
- 9. Approximate delineation of floodplain, streams, wetland and forested areas, if applicable, and/or

provide a professional certification that environmental features do not exist on the property.

- N/A 10. Road profile to evaluate sight distance, if the application includes a request for direct access to a major collector or more restrictive roadway classification.
- N/A 11. Any additional information to allow proper evaluation (e.g. for alternative compliance to wetland buffers an alternative analysis and mitigation proposal are needed; for alternative compliance to SDP requirements where there is no subdivision of land, an APFO Roads Test evaluation may be needed, for alternative compliance of final plat or SDP, a copy of property deeds to confirm legal creation or status of property is needed).
- N/A 12. Photographs, perspective sketches or cross-sections as necessary to adequately portray the alternative compliance request.
- N/A 13. The exhibit plans should be highlighted to accurately illustrate the requested alternative compliance(s) to allow proper evaluation (i.e. proposed grading, tree clearing or other disturbances within environmentally sensitive areas or buffers).
- ✓ 14. Submit 2 sets of photographs for all existing on-site structures.
- ✓ 15. Identify the location of any existing wells and/or private septic systems.

N/A 16. **Route 1 Manual**
Compliance with the Route 1 Manual is required for new development and some alterations or enlargements located in the CE, TOD and CAC zoning districts and for other zoning districts located within the Route 1 corridor. All plan submissions, beginning with the initial subdivision or site development plan, shall show all applicable streetscape, site and building designs responding to the Route 1 Manual's requirements and recommendations. All plan submissions shall provide a written summary of how the proposed design achieves the objectives of the Route 1 Manual. Also, building design and schematic architectural elevation details must be included with the initial subdivision or site development plan submission.

N/A 17. **Route 40 Design Manual**
Compliance with the Route 40 Design Manual is required for new development and redevelopment projects located in the Traditional Neighborhood Center (TNC) zoning districts and on parcels located within the Route 40 Corridor as defined in the Route 40 Design Manual. All plan submissions within the Route 40 corridor, beginning with the initial subdivision or site development plan, shall show all applicable streetscape, site and building designs responding to the Route 40 Design Manual's requirements and recommendations. All plan submissions within the Route 40 corridor shall provide a written summary of how the proposed design achieves the objectives of the Route 40 Design Manual. Also, building design and schematic architectural elevation details must be included with the initial subdivision or site development plan submission.

✓ 18. **Property Deeds** – Information to confirm the legal creation or status of the property to be improved. (Copy of deeds from Howard County Land Records Office or record plat name and recording reference number). **A complete chronological deed history is required for all deeded residential properties. Provide 2 copies of the recorded deeds for the subject property tracing its history back to 1960.**

N/A 19. Please complete the following:

A pre-submission meeting was held with DPZ on _____ with
[date], if applicable.

[DPZ, Director, DLD Division Chief or other SRC representatives]

VI. Fees

The Alternative Compliance application fee shall be in accordance with the adopted fee schedule. All checks shall be made payable to the *Director of Finance*. **The petition will not be accepted for processing until the fee has been paid. Incomplete, incorrect or missing information may result in the rejection of the application** and could cause additional time to be required to revise the application for resubmittal and re-review. For more information or questions, contact DPZ at (410) 313-2350.

VII. **Owner's/Petitioner's Certification**

I/WE the undersigned fee simple owner(s) hereby make application to the Howard County Department of Planning and Zoning to provide an alternative compliance request of the minimum requirements of the Howard County Subdivision and Land Development Regulations. The undersigned hereby certifies the information supplied herewith is correct and complete, confirms that the regulations and policies as referred to in the attached are understood, and authorizes periodic on-site inspections by the Howard County Subdivision Review Committee agencies. ***If the applicant is the owner's agent, written documentation from owner granting that authority is required at the time of the submission.**

Owner's authorization attached *

Angela Eng Volcy
Guerdy Volcy

(Signature of Property Owner)
(Fee Simple Owner Only)

(Date)

Anita E. Allen

(Signature of Petition Preparer) *

8/1/2018

(Date)

Guerdy Volcy & Angela R. Volcy

(Name of Property Owner)

Anita E. Allen

(Name of Petition Preparer, Surveyor/Engineering/Architect or Agent/Developer)

10865 Braeburn Rd

(Address)

11130 Dovedale Court

(Address)

Columbia MD 21044

(City, State, Zip Code)

Mammothville, MD 21104

(City, State, Zip Code)

E-Mail guerdy_angela@hotmail.com

E-Mail anita@silengineering.com

443-210 1415

(Telephone)

(Fax)

443-325-5076 ext. 104

(Telephone)

(Fax)

Fax: 410-696-2022

Contact Person: _____

Contact Person: Anita Allen

**Howard County Department of Planning and Zoning
Division of Land Development**

**INITIAL SUBMISSION
ALTERNATIVE COMPLIANCE WORKSHEET
(For DPZ Use Only)**

Project Name _____ **DPZ File No.** _____
DPZ Plan Reviewer _____ **Submission Date** _____
Plan Consultant Representative _____ **Time** _____

- I. Application Requirements** *Indicate Yes, No or N/A*
- a. Application is complete _____
 - b. Required number of plans and applications are provided..... _____
 ___ Plans (15 sets on County Road or
 ___ Applications 19 sets on State Road)
 - c. Supplemental Information is provided _____
 - d. Certification of pre-submission community meeting and summary of community comments with dated responses to all meeting attendees within 60 days is provided and three week notice given to DPZ and County Council, if applicable _____
 - e. Certification of pre-submission HPC advisory meeting for new projects in Historic District or listed in Historic Sites Inventory _____
 - f. Photographs of existing structures (for Historic Preservation Review) _____
 - g. MAA Approval Letter (if applicable) _____
 - h. Written summary of Route 1 Manual/Route 40 Design Manual compliance (if applic) _____
 - i. DAP project design recommendation for Route 1/Route 40 projects _____

- II. Fee Computation** **Fee**
- Number of alternative compliance sections requested _____
 - * Base Fee for first two alternative compliance sections (**\$450**)..... _____
 - Fee for each additional alternative compliance section (___ additional alternative compliances x **\$50** each) _____
- _____
- * (Maximum fee of **\$350** for Agricultural Preservation parcels)

TOTAL _____

III. Certification

Cash Receipt No. _____ Amount _____
SAP Acct 1000000000-3000-3000000000-PWPW000000000000-432530

Check issued by _____

- ___ Alternative Compliance application is accepted for processing.
- ___ Scheduled SRC meeting date.
- ___ Alternative Compliance application is rejected.

Reason: _____

___ Resubmission is accepted. Date _____ Staff initials _____

Comments/Notes _____

Oswald, Hank

From: Oswald, Hank
Sent: Friday, May 11, 2018 9:54 AM
To: 'Anita Allen'
Subject: RE: Perc Test Results_10865 Braeburn Drive

I've been informed that a foot setback won't be enough. In looking over the septic record again, the tank is fiberglass. A septic contractor should be able to completely remove the tank (In fact, it probably should be completely removed anyway). I think while we are working on these plans, you or the owner should consult with a septic contractor on the removal/installation of the new system. I think we need to be certain that the abandonment of the old system and the installation of the new system can be done on this site per the proposed plan. We should probably get something in writing from the septic contractor listing the sequence of abandonment/installation events of the old/new system. Let me know if you have any questions.

From: Anita Allen [mailto:anita@sillengineering.com]
Sent: Friday, May 11, 2018 9:20 AM
To: Oswald, Hank
Subject: RE: Perc Test Results_10865 Braeburn Drive

I can place it about a foot away, will that be acceptable to your department?

From: Oswald, Hank <hoswald@howardcountymd.gov>
Sent: Friday, May 11, 2018 9:04 AM
To: Anita Allen <anita@sillengineering.com>
Subject: RE: Perc Test Results_10865 Braeburn Drive

Hi Anita:

Tanks are typically abandoned in place. There is a lot to completely removing the tank and safely disposing of it. You can't place the new BAT unit right next to the old tank?

Hank

From: Anita Allen [mailto:anita@sillengineering.com]
Sent: Friday, May 11, 2018 8:55 AM
To: Oswald, Hank
Subject: RE: Perc Test Results_10865 Braeburn Drive

Good Morning Hank,

With the 4bedroom design, I did not utilize the existing trench. Using new trenches I calculate 95LF and for the initial system I provide two trenches @ 47.5Lf. For the replacement I provide three trenches at 32LF.

What about the current tank abandonment? Can I put the new tanks in the same area if removing the tank completely?

Thanks,
Anita

From: Oswald, Hank <hoswald@howardcountymd.gov>
Sent: Friday, May 11, 2018 8:43 AM
To: Anita Allen <anita@sillengineering.com>
Subject: RE: Perc Test Results_10865 Braeburn Drive

Hi Anita:

Good morning. It doesn't look the existing 90 foot trench is large enough to accommodate even a 4 bedroom house. The existing trench is 90' L x 3 w' x 6'd with an invert a 4' (allow 2 foot of sidewall credit). If you do the math based on this design, you will need 156.25 feet of trench for a 4 bedroom house. If I am mistaken, please let me know.

Thanks,

Hank

From: Anita Allen [<mailto:anita@sillengineering.com>]
Sent: Thursday, May 10, 2018 3:07 PM
To: Oswald, Hank
Subject: RE: Perc Test Results_10865 Braeburn Drive

Hi Hank,

I just spoke with the developer, and the homeowner's are fine with a four bedroom. They just want this submitted. With that said, can you steer your response in the direction of it you see any issues with the 4 bedroom proposal. I don't want either of us to fall into a rabbit hole with the 5 bedroom design if they are not pushing for it.

It also looks like we will be moving the BAT unit in order to allow for a stormwater management device at the rear corner of the house. Although we are moving the tank locations that general area will have to be utilized. Is full removal of the tank after pumping an option that would allow the new tank locations to overlap the existing location? On the Perc Cert Plan I intend to make a note about the removal and the abandonment of the cesspool, is there anything else I should consider.

I've tried calling yesterday and today, I know you guys are in the field a lot, but if there's a good time to talk and you'd prefer please give me a call.

Thank you,
Anita

Anita E. Allen
Sill Engineering Group, LLC
11130 Dovedale Court, Suite 200
Marriottsville, MD 21104
Office: 443-325-5076
Fax: 410-696-2022
Cell: 443-897-3046
Website: www.sillengineering.com

From: Oswald, Hank <hoswald@howardcountymd.gov>
Sent: Thursday, May 10, 2018 8:01 AM
To: Anita Allen <anita@sillengineering.com>
Subject: RE: Perc Test Results_10865 Braeburn Drive

Hi Anita:

Good morning. I did receive your email. I should have an answer for you soon.

Thanks,

Hank

From: Anita Allen [<mailto:anita@sillengineering.com>]
Sent: Wednesday, May 09, 2018 9:49 AM
To: Oswald, Hank
Subject: RE: Perc Test Results_10865 Braeburn Drive

Good Morning Hank,
Hope you are doing well.

Because time is a big issue for this project, before I get to far into this I want to check with you and see If you would support what I am thinking for the possibility of a 5 bedroom.

I've calculated the total trench length needed to be 119'.

For the initial system we would use the entire length 90' of the existing system and have the second trench at 30'.

The replacement system would utilize both areas of SDA.

I'm thinking a manifold that would split the system dose and trench length requirements into 3rds. (R2 @ 40LF, R3 @ 40 LF and 40 LF that would be further divided by a zone manifold) zone manifold that would further separate the remaining 1/3 of the dose and trench length requirements by splitting it into two, leaving R1 & R4 @ 20 LF . Please see 5bedroom design

I'd have to do some design here to see if this would work as I am thinking. I just wanted to check with you first. I don't want to spend the resources doing that if you know you will not support the design for whatever reason (trench lengths, trench length differentials)

I am able to fit the trenches for the 4 bedrooms, with this design I abandon the use of the first trench and hold 5' away to start the new initial trench. Please see 4 bedroom design.

Please notice on the both plans I have dropped the BAT unit in front of the existing septic tank. This tank is sized for 4&5 bedrooms do you see any issues with this? The tank would be 2' away from the existing retaining wall.

Thank you in advance,
Anita

Anita E. Allen
Sill Engineering Group, LLC
11130 Dovedale Court, Suite 200
Marriottsville, MD 21104
Office: 443-325-5076
Fax: 410-696-2022
Cell: 443-897-3046
Website: www.sillengineering.com

From: Oswald, Hank <hoswald@howardcountymd.gov>
Sent: Monday, May 7, 2018 2:15 PM
To: Anita Allen <anita@sillengineering.com>
Subject: RE: Perc Test Results_10865 Braeburn Drive

You're welcome.

From: Anita Allen [mailto:anita@sillengineering.com]
Sent: Monday, May 07, 2018 2:11 PM
To: Oswald, Hank
Subject: RE: Perc Test Results_10865 Braeburn Drive

Thank you for your quick response.

From: Oswald, Hank <hoswald@howardcountymd.gov>
Sent: Monday, May 7, 2018 2:10 PM
To: Anita Allen <anita@sillengineering.com>
Subject: RE: Perc Test Results_10865 Braeburn Drive

Hi Anita:

Yes, you may use the existing trench in the BAT/LPD design and show a smaller pipe 1.5 – 2 in. line inside the existing 4 inch line.

hank

From: Anita Allen [mailto:anita@sillengineering.com]
Sent: Monday, May 07, 2018 1:45 PM
To: Oswald, Hank
Subject: RE: Perc Test Results_10865 Braeburn Drive

Good Afternoon Hank,

Would we be allowed to use the existing trench and replace the existing gravity line with a LPDS line, looking at the replacement activity similar to a repair? I know it's unconventional, but with the limited SDA I have to explore all options.

The size of the SDA dictates that we will have to add the BAT and LPDS design. With the homeowners paying for the additional costs I'd like to be able to present them with the option to do a 5 bedroom as they desire, this would only be possible if I could use the existing trench as part of the LPDS.

Is this an option?

Thanks,
Anita

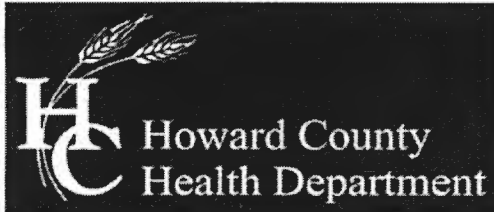
From: Oswald, Hank <hoswald@howardcountymd.gov>
Sent: Friday, May 4, 2018 2:50 PM
To: Anita Allen <anita@sillengineering.com>
Subject: RE: Perc Test Results_10865 Braeburn Drive

Hi Anita:

The setback to the existing trench is typically 10 feet.

Hank

From: Anita Allen [mailto:anita@sillengineering.com]
Sent: Friday, May 04, 2018 12:43 PM
To: Oswald, Hank
Subject: RE: Perc Test Results_10865 Braeburn Drive



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 VARIANCE
 TO COMAR ONSITE WATER/SEWER FOR MDE APPROVAL**

Date Submitted _____

10865 Braeburn Drive, Columbia, MD 21044

Property Address

Braeburn, Section 1

13

35

17

228

05-363829

Subdivision

Lot

Tax Map

Grid

Parcel

Tax Account #

Provide a brief site history including previously submitted and active plans with the Health Department or the County (subdivision plans, perc test applications, Building Permit applications):

Braeburn Subdivision recorded July 3, 1962 in Plat book 8, page 80. Perc test application submitted 4/4/2018
 Percolation test completed 5/2/20158.

In the area below, list the specific section of the Code of Maryland Regulations (COMAR) to which a variance is being requested and provide a brief summary of the regulation and an explanation of why the variance is being requested (Attach a separate sheet if necessary).

Regulation Section

Summary and Explanation

1. 26.04.02.04.J.1

Regulation states horizontal separation distance required between on-site disposal system and all steep slopes (>25%). Requesting variance to allow new septic system within the steep slopes/moderate slopes to allow for the Lot to be redeveloped and upgrade existing system.

2. _____

X [Signature] / Angela [Signature]

Property Owner's Signature

Health Department Use Only

Reviewed by

Hank Oswald

HCHD Staff

5/24/18

Date

Recommendation:

Recommended

Not Recommended

[Signature]

HCHD Supervisor

5/24/18

Date

Comments/Conditions:

BAT Required

Approved by:

Steven R Kuey, LEHS
 MDE Representative

6/19/18

Date

Hi Hank,

Looking at the specifications and the room we have for The SDA, it does not appear that we can utilize the initial trench for a 5 bedroom or even a 4 bedroom keeping the existing septic system.

If we abandon the existing trench, how far away do I have to stay from the existing trench? Just looking into all options before I tell them they have to get a BAT and LPDS to have 4 bedrooms.

Thanks,

Anita

From: Oswald, Hank <hoswald@howardcountymd.gov>

Sent: Friday, May 4, 2018 11:58 AM

To: Anita Allen <anita@sillengineering.com>

Subject: RE: Perc Test Results_10865 Braeburn Drive

Hi Anita:

No bother at all. Have a good weekend as well.

Hank

From: Anita Allen [<mailto:anita@sillengineering.com>]

Sent: Friday, May 04, 2018 11:39 AM

To: Oswald, Hank

Subject: RE: Perc Test Results_10865 Braeburn Drive

Hi Hank,

My apologies. I see them now!

Sorry to bother you! It's been a long week!

Thanks for getting back to me so quickly.

Have a good weekend!

Anita

From: Oswald, Hank <hoswald@howardcountymd.gov>

Sent: Friday, May 4, 2018 11:33 AM

To: Anita Allen <anita@sillengineering.com>

Subject: RE: Perc Test Results_10865 Braeburn Drive

Hi Anita:

The trench specs were included with the perc test results. Let me know if you don't see them.

Hank

From: Anita Allen [<mailto:anita@sillengineering.com>]

Sent: Friday, May 04, 2018 11:28 AM

To: Oswald, Hank

Cc: Paul Sill

Subject: FW: Perc Test Results_10865 Braeburn Drive

Good Morning Hank,

I'm checking in to see when I should expect the trench specifications so that I can schedule accordingly.

The owners suffered some delays early on and I want to be able to provide a realistic timeline to them.

Thank you,
Anita

From: Anita Allen
Sent: Thursday, May 3, 2018 2:33 PM
To: 'Oswald, Hank' <hoswald@howardcountymd.gov>
Cc: Paul Sill <paul@sillengineering.com>
Subject: FW: Perc Test Results_10865 Braeburn Drive

Good Afternoon Hank,
Can you supply me with trench specifications for the above referenced site?
Thank you,
Anita

From: Paul Sill
Sent: Thursday, May 3, 2018 9:15 AM
To: Anita Allen <anita@sillengineering.com>
Cc: Lori Makowski <lori@sillengineering.com>
Subject: FW: Perc Test Results_10865 Braeburn Drive

From: Oswald, Hank <hoswald@howardcountymd.gov>
Sent: Thursday, May 03, 2018 7:02 AM
To: Paul Sill <paul@sillengineering.com>
Cc: guerdy_angela@hotmail.com; dpastva@CraftmarkHomes.com
Subject: Perc Test Results_10865 Braeburn Drive

Hello All:

Good morning. Attached, please find the perc test report, field notes and septic specs for 10865 Braeburn Drive. Should you have any questions, please don't hesitate to ask.

Respectfully,

Hank

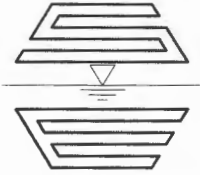
Hank Oswald
Licensed Environmental Health Specialist
Howard County Health Department
Bureau of Environmental Health
Well & Septic Program
8930 Stanford Boulevard
Columbia, MD 21045
410.313.1786 (Office)
hoswald@howardcountymd.gov

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Letter of Transmittal



11130 Dovedale Court, Suite 200
 Marriottsville, MD 21104
 Website: www.sillengineering.com
 Civil Engineering for Land Development

Office: 443-325-5076
 Fax: 410-696-2022
 Email: info@sillengineering.com

SILL ENGINEERING GROUP, LLC

To: Mr. Jeff Williams
 Howard County Health Department
 Bureau of Environmental Health
 8930 Stanford Boulevard
 Columbia, MD 21045

Date:	June 13, 2018
Attention:	Hank Oswald
Re:	10865 Braeburn Drive Braeburn, Lot 13 Percolation Certification Plan
Project #:	18-001

We are sending you

<input checked="" type="checkbox"/> Attached	Under Separate Cover Via Mail the following:	
Letter	Originals	Other:
<input checked="" type="checkbox"/> Plans	Computations	

Quantity	Description	Quantity	Description
3	Percolation Certification Plan		

These are transmitted as checked below

<input checked="" type="checkbox"/> For Approval	As Requested	Please Return After Using
<input checked="" type="checkbox"/> For Review	For Your Use	As Approved

Comments:

Copy To:

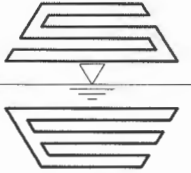
Signed:

Anita E. Allen
 Anita E. Allen

Received by:

Date Received:

Letter of Transmittal



11130 Dovedale Court, Suite 200
 Marriottsville, MD 21104
 Website: www.sillengineering.com
 Civil Engineering for Land Development

Office: 443-325-5076
 Fax: 410-696-2022
 Email: info@sillengineering.com

SILL ENGINEERING GROUP, LLC

To: Mr. Jeff Williams
 Howard County Health Department
 Bureau of Environmental Health
 8930 Stanford Boulevard
 Columbia, MD 21045

Date:	June 8, 2018
Attention:	Hank Oswald
Re:	10865 Braeburn Drive Braeburn, Lot 13 Percolation Certification Plan
Project #:	18-001

We are sending you

<input checked="" type="checkbox"/> Attached	Under Separate Cover Via Mail the following:	
Letter	Originals	Other:
<input checked="" type="checkbox"/> Plans	Computations	

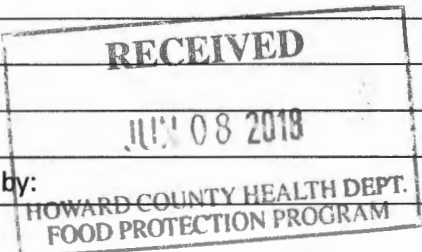
Quantity	Description	Quantity	Description
3	Percolation Application Plan		
1	Response Letter		

These are transmitted as checked below

<input checked="" type="checkbox"/> For Approval	As Requested	Please Return After Using
<input checked="" type="checkbox"/> For Review	For Your Use	As Approved

Comments:

Copy To:



Signed:

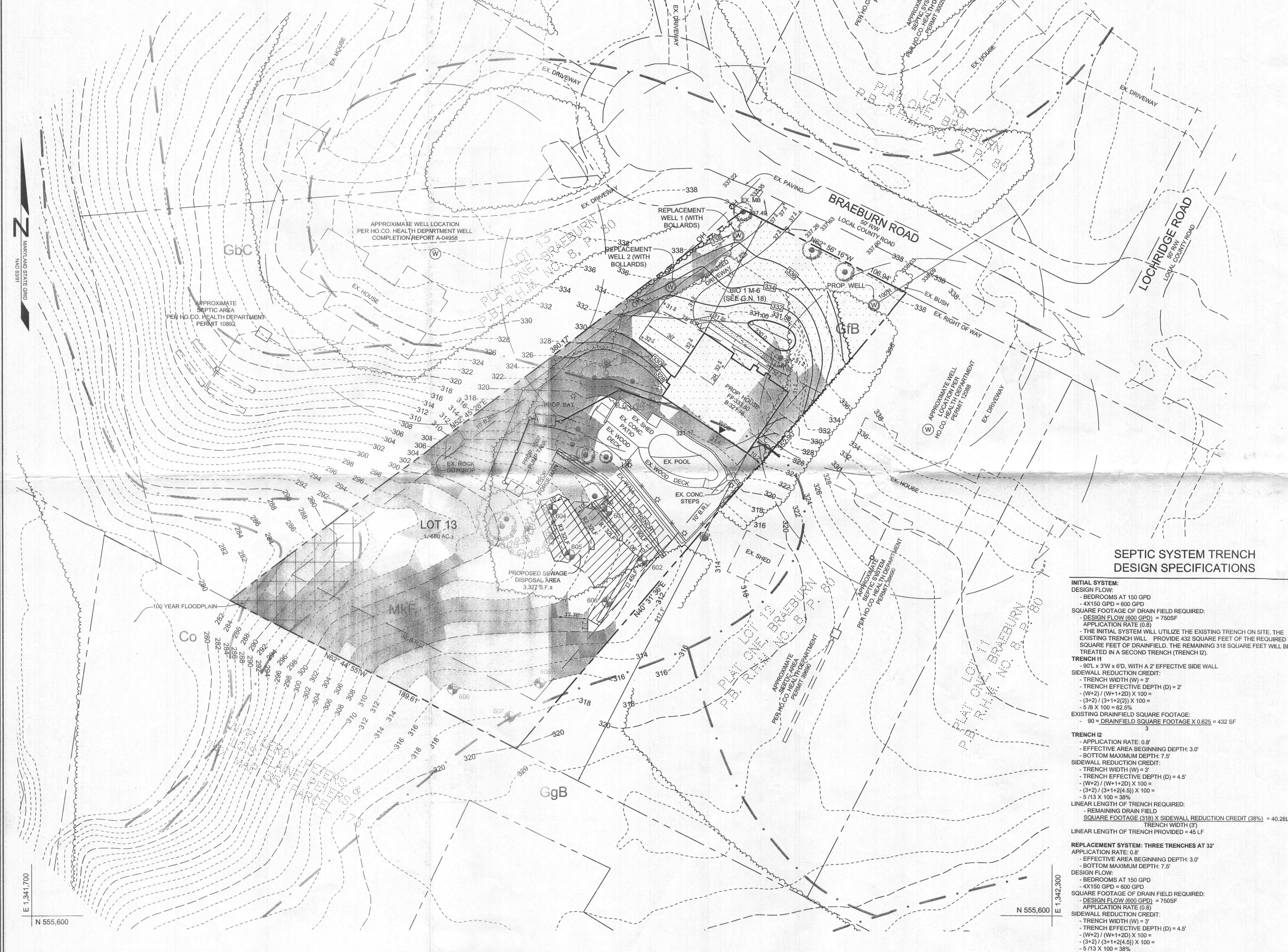
Anita E. Allen
 Anita E. Allen

Received by:

Date Received:

SOILS LEGEND			
SYMBOL	NAME / DESCRIPTION	GROUP	'K' FACTOR
Co	CODORUS AND HATBORO SILT LOAMS, 0 TO 3 PERCENT SLOPES	C	0.37
GbB	GLADSTONE-URBAN LAND COMPLEX, 0 TO 8 PERCENT SLOPES	A	0.28
GgB	GLENELG LOAM, 3 TO 8 PERCENT SLOPES	B	0.24
MkF	MANOR-BRINKLOW COMPLEX, 25 TO 65 PERCENT SLOPES, VERY ROCKY	B	0.32

NOTES:
 1) SOIL INFORMATION HAS BEEN TAKEN FROM THE UNITED STATES DEPARTMENT OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE, WEB SOIL SURVEY.
 2) HIGHLY ERODIBLE SOILS ARE THOSE SOILS WITH A SLOPE GREATER THAN 15 PERCENT OR THOSE SOILS WITH A SOIL ERODIBILITY FACTOR 'K' GREATER THAN 0.35 AND WITH A SLOPE GREATER THAN 5 PERCENT.



LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- EXISTING SPOT ELEVATION
- PROPOSED SPOT ELEVATION
- DIRECTION OF FLOW
- EXISTING TREELINE
- PROPOSED TREELINE
- SOIL BOUNDARY
- FLOODPLAIN
- PERCOLATION TEST HOLE (PASSED)
- EXISTING METAL FENCE
- PROPOSED WELL
- EXISTING WELL
- STEEP SLOPES 15%-24%
- STEEP SLOPES 25%+
- 'A' SOIL
- 'B' SOIL
- 'C' SOIL



- ### GENERAL NOTES
- SUBJECT PROPERTY ZONED R-20 PER 02/02/04 COMPREHENSIVE ZONING PLAN.
 - TOTAL AREA OF PROPERTY: 1.176 AC.±
 - REFERENCE: LIBER 444, FOLIO 548
 - PROPERTY ADDRESS: 10865 BRAEBURN ROAD, COLUMBIA, MD 21044.
 - PRIVATE WATER AND PRIVATE SEWER WILL BE USED WITHIN THIS SITE.
 - ICZ-7 THIS AREA DESIGNATES A PRIVATE SEWAGE AREA, AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL (S.D.03). FOR LOTS CREATED PRIOR TO MARCH 1972 IT PROVIDES AT LEAST ENOUGH AREA TO ACCOMMODATE AN INITIAL AND REPLACEMENT SEPTIC SYSTEM WITH A BAT UNIT AS REQUIRED BY THE HOWARD COUNTY HEALTH DEPARTMENT. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE AREAS 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 SEWAGE AREAS. RECORDED OF A MODIFIED SEWAGE AREAS SHALL NOT BE NECESSARY.
 - THIS SITE WILL UTILIZE A BAT/PSD SYSTEM AND THEREFORE THE SEPTIC SYSTEM REQUIREMENTS HAVE BEEN REDUCED TO AN INITIAL AND ONE REPLACEMENT SYSTEM.
 - THE BOUNDARY SHOWN HEREON IS BASED ON A FIELD RUN BOUNDARY SURVEY PERFORMED BY SHANABERGER & LANE IN MARCH 2016.
 - THE TOPOGRAPHY SHOWN HEREON WAS FIELD RUN BY SHANABERGER & LANE, IN MARCH 2016, OFFSITE TOPOGRAPHY IS BASED ON HOWARD COUNTY AERIAL TOPOGRAPHY FLOWN IN 2011.
 - THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP, WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
 - ALL EXISTING WELLS, SEPTIC SYSTEMS AND SEWAGE DISPOSAL AREAS WITHIN 100 FEET OF THE PROPERTY BOUNDARIES AND ALL EXISTING AND PROPOSED WELLS THAT ARE LOCATED WITHIN 200 FEET DOWN-GRADE OF EXISTING OR PROPOSED SEPTIC SYSTEMS AND SEWAGE DISPOSAL EASEMENTS HAVE BEEN FIELD LOCATED.
 - ANY CHANGES TO A PRIVATE SEWAGE AREA SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
 - A VARIANCE BY USE HAS BEEN APPROVED TO ALLOW THE SEPTIC TANK/PUMP TO BE WITHIN STEEP SLOPES.
 - THE EXISTING WELL AND SEPTIC SYSTEM ARE TO BE ABANDONED.
 - TBA= TO BE ABANDONED
 - THE NEW WELL MUST BE DRILLED AND THE OLD WELL MUST BE ABANDONED PRIOR TO BUILDING PERMIT APPROVAL.
 - A VARIANCE BY USE HAS BEEN APPROVED TO ALLOW THE SEPTIC TANK/PUMP TO BE WITHIN STEEP SLOPES.
 - THE PROPOSED MICRO-BIORETENTION FACILITY LOCATED WITHIN THE 100' WELL RADIUS IS TO BE LINED AND SETBACK FROM ANY WELL OR PROPOSED WELL LOCATION BY AT LEAST 50 FEET.

SEPTIC SYSTEM TRENCH DESIGN SPECIFICATIONS

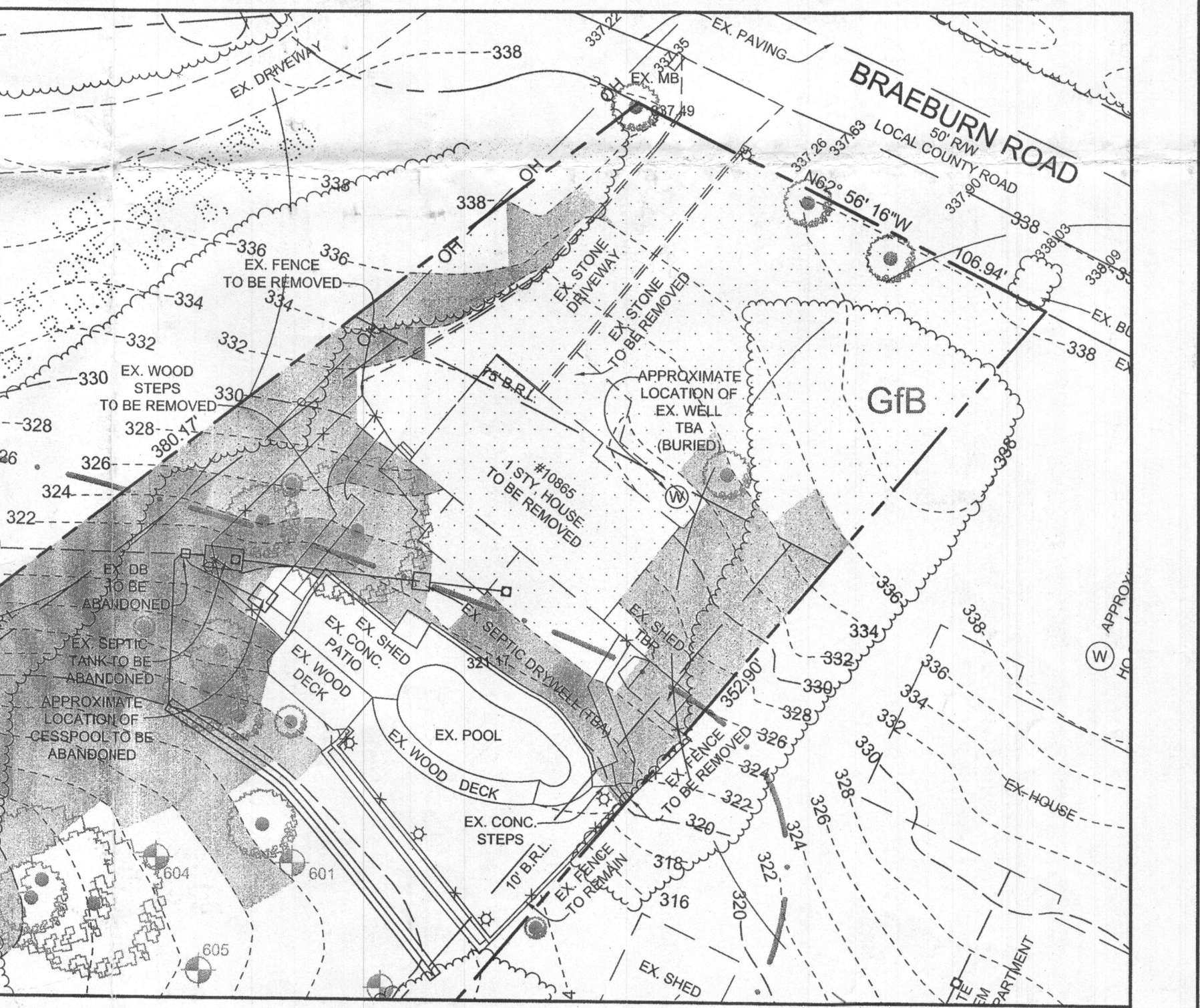
INITIAL SYSTEM:
 DESIGN FLOW:
 - BEDROOMS AT 150 GPD
 - 4X150 GPD = 600 GPD
 SQUARE FOOTAGE OF DRAIN FIELD REQUIRED:
 - DESIGN FLOW (600 GPD) = 760SF
 APPLICATION RATE (0.8)
 - THE INITIAL SYSTEM WILL UTILIZE THE EXISTING TRENCH ON SITE. THE EXISTING TRENCH WILL PROVIDE 432 SQUARE FEET OF THE REQUIRED 750 SQUARE FEET OF DRAINFIELD. THE REMAINING 318 SQUARE FEET WILL BE TREATED IN A SECOND TRENCH (TRENCH 12).

TRENCH 11
 - 90' X 3' W X 6' D, WITH A 2' EFFECTIVE SIDE WALL
 SIDEWALL REDUCTION CREDIT:
 - TRENCH WIDTH (W) = 3'
 - TRENCH EFFECTIVE DEPTH (D) = 2'
 $(W+2) / (W+1+2D) \times 100 = (3+2) / (3+1+2(2)) \times 100 = 5/13 \times 100 = 38\%$
 EXISTING DRAINFIELD SQUARE FOOTAGE:
 - 90 = DRAINFIELD SQUARE FOOTAGE X 0.625 = 432 SF

TRENCH 12
 - APPLICATION RATE: 0.8'
 - EFFECTIVE AREA BEGINNING DEPTH: 3.0'
 - BOTTOM MAXIMUM DEPTH: 7.5'
 SIDEWALL REDUCTION CREDIT:
 - TRENCH WIDTH (W) = 3'
 - TRENCH EFFECTIVE DEPTH (D) = 4.5'
 $(W+2) / (W+1+2D) \times 100 = (3+2) / (3+1+2(4.5)) \times 100 = 5/13 \times 100 = 38\%$
 LINEAR LENGTH OF TRENCH REQUIRED:
 - REMAINING DRAIN FIELD SQUARE FOOTAGE (318) X SIDEWALL REDUCTION CREDIT (38%) = 40.28LF
 TRENCH WIDTH (3')
 LINEAR LENGTH OF TRENCH PROVIDED = 46 LF

REPLACEMENT SYSTEM: THREE TRENCHES AT 32'
 APPLICATION RATE: 0.8'
 - EFFECTIVE AREA BEGINNING DEPTH: 3.0'
 - BOTTOM MAXIMUM DEPTH: 7.5'
 DESIGN FLOW:
 - BEDROOMS AT 150 GPD
 - 4X150 GPD = 600 GPD
 SQUARE FOOTAGE OF DRAIN FIELD REQUIRED:
 - DESIGN FLOW (600 GPD) = 760SF
 APPLICATION RATE (0.8)
 SIDEWALL REDUCTION CREDIT:
 - TRENCH WIDTH (W) = 3'
 - TRENCH EFFECTIVE DEPTH (D) = 4.5'
 $(W+2) / (W+1+2D) \times 100 = (3+2) / (3+1+2(4.5)) \times 100 = 5/13 \times 100 = 38\%$
 LINEAR LENGTH OF TRENCH REQUIRED:
 - SQUARE FOOTAGE (750) X SIDEWALL REDUCTION CREDIT (38%) = 95LF
 TRENCH WIDTH (3')
 LINEAR LENGTH OF TRENCH PROVIDED = 91 LF

EX. GRADE:	TRENCH 11:	TRENCH 12:	TRENCH R1:	TRENCH R2:	TRENCH R3:
	305.50'	306.25'	305.00'	305.75'	304.00'
INVERT:	305.50'	306.25'	305.00'	302.75'	301.00'



EXISTING CONDITIONS DETAIL
SCALE: 1"=30'

PERCOLATION CERTIFICATION PLAN

BRAEBURN LOT 13
 10865 BRAEBURN ROAD
 HOWARD COUNTY, MARYLAND

TAX MAP 35 GRID 17
 5TH ELECTION DISTRICT

OWNER:
 ANGELA CRUMP VOLCY & GUERY VOLCY
 PSC 78 BOX 12
 APO AP 96326

BUILDER:
 CRAFTMARK HOMES
 C/O DAVID PASTVA
 135 BEVERLY ROAD, SUITE 330
 McLEAN, VA 22101
 703-342-2012

DESIGN BY: PS
 DRAWN BY: AEA
 CHECKED BY: PS
 SCALE: AS SHOWN
 DATE: JULY 3, 2018
 PROJECT #: 18-001
 SHEET #: 1 of 1

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS IN ACCORDANCE WITH THE MASTER PLAN OF HOWARD COUNTY

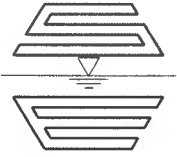
I CERTIFY THAT THE INFORMATION SHOWN HEREON IS BASED ON FIELD WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION, AND IS CORRECT, TO THE BEST OF MY KNOWLEDGE AND BELIEF.

PAUL M. SILL, PE, LEED AP
 LICENSED PROFESSIONAL ENGINEER #32025

DATE: 7/10/18

PLAN VIEW
SCALE: 1"=30'

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 32025, EXPIRATION DATE: JUNE 20, 2019.



11130 Dovedale Court, Suite 200
Marriottsville, MD 21104
Website: www.sillengineering.com

Office: 443-325-5076
Fax: 410-696-2022
Email: info@sillengineering.com

Civil Engineering for Land Development

SILL ENGINEERING GROUP, LLC

June 8, 2018

Howard County Health Department
Bureau of Environmental Health
8390 Stanford Boulevard
Columbia, Maryland 21045

Attn: Mr. Hank Oswald

Re: 10865 Braeburn Drive
Braeburn Property, Lot 13
Percolation Certification Plan

Dear Mr. Oswald:

Please find a point by point response to your comments dated May 29, 2018 below:

1. Regarding the alternate well sites, please find 1 replacement well located at the front of the property, north of the proposed driveway.
2. General Note 18 has been added to the plan that states the bio-retention facility is to be lined and setback from any well or any proposed well location by at least 50'.
3. The requested well note has been added to the plan as General Note 16.
4. The requested variance note has been added to the plan as General Note 17.

Please find attached three copies of the revised plan. Should you have any questions or comments regarding this matter, please do not hesitate to contact this office.

Sincerely,
Sill Engineering Group, LLC

Anita Allen

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

MEMORANDUM

TO: Sill Engineering Group, LLC
11130 Dovedale Court, Suite 200
Marriottsville, MD 21104

FROM: Hank Oswald, L.E.H.S.
Well & Septic Program

RE: 10865 Braeburn Drive

Date: May 29, 2018

The perc cert plan for 10865 Braeburn Drive has been reviewed with the following comments:

- 1.) Show a 1500 square foot well box or two alternate well sites on the plan with 100 foot well radius.
- 2.) Clarify bio-retention pond is lined (50 foot setback to a well or any proposed well locations).
- 3.) Add note, the new well must be drilled and the old well abandoned prior to building permit approval.
- 4.) Add note, a variance has been approved by MDE to allow the septic tank/pump tank to be within steep slopes.

Oswald, Hank

From: Oswald, Hank
Sent: Tuesday, May 29, 2018 2:27 PM
To: anita@sillengineering.com
Subject: Perc Cert Memo_10865 Braeburn Drive
Attachments: PERC CERT Memo_Sill Engineering Group__2018.pdf

Hi Anita:

Attached, please find a memo pertaining to the review of 10865 Braeburn Drive, Perc Cert. We have not heard back from MDE on the variance application but we hope to soon. In the meantime, please make the following changes to the perc cert plan. Depending on MDEs response, the variance note may change.

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

Thanks,

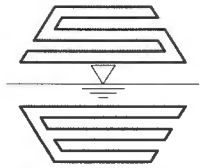
Hank

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

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Letter of Transmittal



11130 Dovedale Court, Suite 200
 Marriottsville, MD 21104
 Website: www.sillengineering.com
 Civil Engineering for Land Development

Office: 443-325-5076
 Fax: 410-696-2022
 Email: info@sillengineering.com

SILL ENGINEERING GROUP, LLC

To: Mr. Jeff Williams
 Howard County Health Department
 Bureau of Environmental Health
 8930 Stanford Boulevard
 Columbia, MD 21045

Date:	May 24, 2018
Attention:	Hank Oswald
Re:	10865 Braeburn Drive Braeburn, Lot 13 Percolation Plan
Project #:	18-001

We are sending you


<input checked="" type="checkbox"/> Attached	Under Separate Cover Via Mail the following:	
Letter	Originals	Other:
<input checked="" type="checkbox"/> Plans	Computations	

Quantity	Description	Quantity	Description
3	Percolation Plan		

These are transmitted as checked below

<input checked="" type="checkbox"/> For Approval	As Requested	Please Return After Using
<input checked="" type="checkbox"/> For Review	For Your Use	As Approved

Comments:

Copy To:	Signed:  Anita E. Allen
Received by:	
	Date Received:

Oswald, Hank

From: Oswald, Hank
Sent: Thursday, June 28, 2018 9:30 AM
To: anita@sillengineering.com
Cc: guerdy_angela@hotmail.com; dpastva@CraftmarkHomes.com
Subject: Perc Cert_10865 Braeburn Drive
Attachments: A04957_P12088.pdf; A04958_P10892.pdf

Hi Anita:

The perc cert plan for 10865 Braeburn Drive was rejected due to the following comments:

- 1.) Show 3rd well site along driveway and property line while relocating DW. down the hill.
- 2.) Relocate pump tank so it pumps up to both systems
- 3.) Show neighboring wells and septic systems (See attachments for Lots 12 and 14)

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

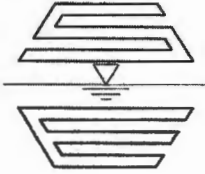
Respectfully,

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

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 Civil Engineering for Land Development

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 Fax: 410-696-2022
 Email: info@sillengineering.com

SILL ENGINEERING GROUP, LLC

To: Mr. Jeff Williams
 Howard County Health Department
 Bureau of Environmental Health
 8930 Stanford Boulevard
 Columbia, MD 21045

Date:	April 4, 2018
Attention:	Jeff Williams
Re:	10865 Braeburn Drive Braeburn, Lot 13 Percolation Application Plan
Project #:	18-001

We are sending you

<input checked="" type="checkbox"/> Attached	Under Separate Cover Via Mail the following:	
Letter	Originals	Other:
<input checked="" type="checkbox"/> Plans	Computations	

Quantity	Description	Quantity	Description
2	Percolation Application Plan		
1	Percolation Application		
1	Application Fee \$506.00		

These are transmitted as checked below

<input checked="" type="checkbox"/> For Approval	As Requested	Please Return After Using
<input checked="" type="checkbox"/> For Review	For Your Use	As Approved

Comments:

Copy To:

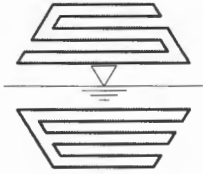
Signed:

Anita E. Allen
 Anita E. Allen

Received by:

Date Received:

Letter of Transmittal



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 Marriottsville, MD 21104
 Website: www.sillengineering.com

Office: 443-325-5076
 Fax: 410-696-2022
 Email: info@sillengineering.com

Civil Engineering for Land Development

SILL ENGINEERING GROUP, LLC

To: Mr. Jeff Williams
 Howard County Health Department
 Bureau of Environmental Health
 8930 Stanford Boulevard
 Columbia, MD 21045

Date:	July 3, 2018
Attention:	Hank Oswald
Re:	10865 Braeburn Road Braeburn, Lot 13 Percolation Certification Plan
Project #:	18-001

We are sending you

<input checked="" type="checkbox"/> Attached	Under Separate Cover Via Mail the following:	
Letter	Originals	Other:
<input checked="" type="checkbox"/> Plans	Computations	

Quantity	Description	Quantity	Description
3	Percolation Certification Plan		
1	Stormwater Management Letter		

These are transmitted as checked below

<input checked="" type="checkbox"/> For Approval	As Requested	Please Return After Using
<input checked="" type="checkbox"/> For Review	For Your Use	As Approved

Comments:

Copy To:

Signed:

Anita E. Allen
 Anita E. Allen

Received by:

Date Received:

Oswald, Hank

From: Oswald, Hank
Sent: Thursday, May 03, 2018 7:02 AM
To: Paul (paul@sillengineering.com)
Cc: 'guerdy_angela@hotmail.com'; dpastva@CraftmarkHomes.com
Subject: Perc Test Results_10865 Braeburn Drive
Attachments: Perc Test Report_braeburn_5.18.pdf; Septic Specs and Feild Notes_10865Braeburn Drive.pdf

Hello All:

Good morning. Attached, please find the perc test report, field notes and septic specs for 10865 Braeburn Drive. Should you have any questions, please don't hesitate to ask.

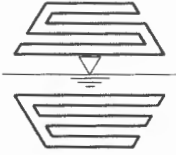
Respectfully,

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

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11130 Dovedale Court, Suite 200
Marriottsville, MD 21104
Website: www.sillengineering.com

Office: 443-325-5076
Fax: 410-696-2022
Email: info@sillengineering.com
Civil Engineering for Land Development

SILL ENGINEERING GROUP, LLC

June 28, 2018

Howard County Health Department
Bureau of Environmental Health
8390 Stanford Boulevard
Columbia, Maryland 21045

Attn: Mr. Hank Oswald

Re: 10865 Braeburn Drive
Braeburn Property, Lot 13
Percolation Certification Plan

Dear Mr. Oswald:

Please find below a point by point response to your email comments dated June 28, 2018:

1. Please see third well location along the driveway and property line. The drywell cannot be relocated downhill. There are setbacks and depth requirements that will not allow a drywell in the area downhill. The drywell has been proposed as lined and will connect to the bio-retention facility outfall as shown on the attached plans. General Note 18 has been revised to include the drywell and a note has been added to the label on the plan view.
2. The pump tank has been relocated downhill to pump up to both systems.
3. The neighboring wells and septic systems have been shown on the plan.

Please find attached three copies of the revised plan. Should you have any questions or comments regarding this matter, please do not hesitate to contact this office.

Sincerely,
Sill Engineering Group, LLC

Anita Allen



HOWARD COUNTY HEALTH DEPARTMENT

62947

DATE 4/17/18

AS

Received From

CMH Sullivan LC

PHONE #

For

Perio App/ 10865 Drachman Ave.

CASH

CHECK

NO

88888
88889629

Five hundred six

Dollars

\$ 506.00

Received By

J Kemp

Real Property Data Search

Search Result for HOWARD COUNTY

View Map		View GroundRent Redemption			View GroundRent Registration					
Account Identifier:		District - 05 Account Number - 363829								
Owner Information										
Owner Name:		VOLCY ANGELA CRUMP VOLCY GUERDY T/E			Use: Principal Residence:		RESIDENTIAL NO			
Mailing Address:		PSC 78 BOX 12 APO AP 96326-			Deed Reference:		/04044/ 00548			
Location & Structure Information										
Premises Address:		10865 BRAEBURN DR COLUMBIA 21044-0000			Legal Description:		LOT 13 1.17 A 10865 BRAEBURN DR BRAEBURN SEC 1			
Map:	Grid:	Parcel:	Sub District:	Subdivision:	Section:	Block:	Lot:	Assessment Year:	Plat No:	8
0035	0017	0228		0000			13	2017		80
Special Tax Areas:					Town:		NONE			
					Ad Valorem:		101			
					Tax Class:					
Primary Structure Built	Above Grade Living Area	Finished Basement Area	Property Land Area	County Use						
1964	1,619 SF	800 SF	1.1700 AC							
Stories	Basement	Type	Exterior	Full/Half Bath	Garage	Last Major Renovation				
1	YES	STANDARD UNIT	FRAME	2 full						
Value Information										
		Base Value	Value	Phase-in Assessments						
			As of	As of	As of					
			01/01/2017	07/01/2017	07/01/2018					
Land:		264,200	264,200							
Improvements		126,600	173,000							
Total:		390,800	437,200	406,267		421,733				
Preferential Land:		0				0				
Transfer Information										
Seller: PRINCE CHARLES L & WF			Date: 08/25/1997		Price: \$224,000					
Type: ARMS LENGTH IMPROVED			Deed1: /04044/ 00548		Deed2:					
Seller:			Date:		Price:					
Type:			Deed1:		Deed2:					
Seller:			Date:		Price:					
Type:			Deed1:		Deed2:					
Exemption Information										
Partial Exempt Assessments:	Class				07/01/2017	07/01/2018				
County:	000				0.00					
State:	000				0.00					
Municipal:	000				0.00 0.00	0.00 0.00				
Tax Exempt:		Special Tax Recapture:								
Exempt Class:		NONE								
Homestead Application Information										
Homestead Application Status: No Application										
Homeowners' Tax Credit Application Information										
Date:										

Homeowners' Tax Credit Application Status: No
Application
