



**Building Permit Application**  
Howard County Maryland  
Department of Inspections, Licenses and Permits  
3430 Court House Drive  
Permits: 410-313-2455  
www.howardcountymd.gov

Date Received: 08/20/19 5:44 PM

Permit No.: BK1002991

Building Address: 11969 Simpson Road  
City: Clarksville State: MD Zip Code: 21029  
Suite/Apt. #: SDP/MP/BA #:   
Subdivision:   
Lot: Tax Map: Parcel:

Existing Use: SFD  
Proposed Use: SFD - with Tank  
Estimated Construction Cost: \$ 475,000

Description of Work: In stock 1 x 1000 underground propane tank and gas line to side of house

Occupant/Tenant Name:   
Was tenant space previously occupied? ☐ Yes ☐ No  
Contact Name:   
Address:   
City: State: Zip Code:   
Phone: Fax:   
Email:

Property Owner's Name: Carol Homes  
Address: 2120 Baldwin Ave  
City: Clinton State: MD Zip Code: 21114  
Phone: Fax:   
Email:

Applicant's Name & Mailing Address, (If other than stated herein)  
Applicant's Name:   
Address:   
City: State: Zip Code:   
Phone: Fax:   
Email:

Contractor Company: Economy Propane  
Contact Person: Bobbie Perry  
Address: 7635 Goshall Blvd  
City: Curtis Bay State: MD Zip Code: 21226  
License No.: 93150  
Phone: 410-255-8402 Fax: 410-255-8405  
Email: economypropane@verizon.net

Engineer/Architect Company:   
Responsible Design Prof.: MAEL  
Address:   
City: State: Zip Code:   
Phone: Fax:   
Email:

| Commercial Building Characteristics                      | Residential Building Characteristics                                       |
|--|--|
| Height:  | <input type="checkbox"/> SF Dwelling <input type="checkbox"/> SF Townhouse |
| No. of stories:  | Depth Width  |
| Gross area, sq. ft./floor:                               | 1st floor:   |
|  | 2nd floor:   |
| Area of construction (sq. ft.):                          | Basement:  |
|  | <input type="checkbox"/> Finished Basement                                 |
| Use group:   | <input type="checkbox"/> Unfinished Basement                               |
|  | <input type="checkbox"/> Crawl Space                                       |
| Construction type:                                       | <input type="checkbox"/> Slab on Grade                                     |
| <input type="checkbox"/> Reinforced Concrete             | No. of Bedrooms:   |
| <input type="checkbox"/> Structural Steel                | Multi-family Dwelling  |
| <input type="checkbox"/> Masonry                         | No. of efficiency units:   |
| <input type="checkbox"/> Wood Frame                      | No. of 1 BR units:   |
| <input type="checkbox"/> State Certified Modular         | No. of 2 BR units:   |
|  | No. of 3 BR units:   |
|  | Other Structure:   |
|  | Dimensions:  |
| ➤ Roadside Tree Project Permit                           | Footings:  |
| <input type="checkbox"/> Yes <input type="checkbox"/> No | Roof:  |
| Roadside Tree Project Permit #                           | <input type="checkbox"/> State Certified Modular                           |
|  | <input type="checkbox"/> Manufactured Home                                 |

| Utilities   |
|---|
| Electric: <input type="checkbox"/> Yes <input type="checkbox"/> No        |
| Gas: <input type="checkbox"/> Yes <input type="checkbox"/> No             |
| Water Supply  |
| <input type="checkbox"/> Public   |
| <input type="checkbox"/> Private  |
| Sewage Disposal   |
| <input type="checkbox"/> Public   |
| <input type="checkbox"/> Private  |
| Heating System  |
| <input type="checkbox"/> Electric <input type="checkbox"/> Oil            |
| <input type="checkbox"/> Natural Gas <input type="checkbox"/> Propane Gas |
| <input type="checkbox"/> Other:   |
| Sprinkler System:   |
| <input type="checkbox"/> Yes <input type="checkbox"/> No                  |
| Grading Permit Number:  |
| Building Shell Permit Number:   |

THE UNDERSIGNED HEREBY CERTIFIES AND AGREES AS FOLLOWS: (1) THAT HE/SHE IS AUTHORIZED TO MAKE THIS APPLICATION; (2) THAT THE INFORMATION IS CORRECT; (3) THAT HE/SHE WILL COMPLY WITH ALL REGULATIONS OF HOWARD COUNTY WHICH ARE APPLICABLE THERETO; (4) THAT HE/SHE WILL PERFORM NO WORK ON THE ABOVE REFERENCED PROPERTY NOT SPECIFICALLY DESCRIBED IN THIS APPLICATION; (5) THAT HE/SHE GRANTS COUNTY OFFICIALS THE RIGHT TO ENTER ONTO THIS PROPERTY FOR THE PURPOSE OF INSPECTING THE WORK PERMITTED AND POSTING NOTICES.

Applicant's Signature:   
Email Address:   
Title/Company:

Print Name:   
Date: 9/4/19

Checks Payable to: DIRECTOR OF FINANCE OF HOWARD COUNTY  
\*\*PLEASE WRITE NEATLY & LEGIBLY\*\*  
-FOR OFFICE USE ONLY-

| AGENCY   | DATE | SIGNATURE OF APPROVAL |
|--|------|-----------------------|
| State Highways   |      |                       |
| Building Officials   |      |                       |
| PSZA ( Zoning )  |      |                       |
| PSZA ( Engineering )   |      |                       |
| Health   |      |                       |
| Is Sediment Control approval required for issuance? <input type="checkbox"/> Yes <input type="checkbox"/> No |      |                       |
| <input type="checkbox"/> CONTINGENCY CONSTRUCTION START  |      |                       |

| DPZ SETBACK INFORMATION   |
|---|
| Front:  |
| Rear:   |
| Side:   |
| Side St.:   |
| All minimum setbacks met? <input type="checkbox"/> Yes <input type="checkbox"/> No    |
| Is Entrance Permit Required? <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Historic District? <input type="checkbox"/> Yes <input type="checkbox"/> No           |
| Lot Coverage for New Town Zone:   |
| SDP/Red-line approval date:   |

|                 |           |
|-----------------|-----------|
| Filing Fee      | \$        |
| Permit Fee      | \$        |
| Tech Fee        | \$ 18.00  |
| Excise Tax      | \$        |
| PSFS            | \$        |
| Guaranty Fund   | \$        |
| Add'l per Fee   | \$        |
| Total Fees      | \$ 110.00 |
| Sub- Total Paid | \$        |
| Balance Due     | \$        |
| Check           | # 9639    |

Distribution of Copies: White: Building Officials Green: PSZA, Zoning Yellow: PSZA, Engineering Pink: Health Gold: SHA

## FILE INQUIRY NOTES

[illegible]

## Bernard, Dana

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**From:** Bernard, Dana  
**Sent:** Tuesday, May 07, 2019 10:41 AM  
**To:** 'gphillips@mred.us'  
**Cc:** Najib Roshan (roshannj@aol.com); 'rliff@carusohomes.com'  
**Subject:** RE: Simpson Road

Good Morning All,

Everything looks good on the plan. However, the floor plans submitted for this property shows 5 bedrooms. The septic calculations must reflect the minimum number of bedrooms proposed. Only a friendly reminder regarding the gravity flow of 1%. On paper systems appear to fit with no problem, however if your plan does not work in the field we will have to go back to the drawing board and submit a new OSDS plan.

Thanks  
Dana

**From:** gphillips@mred.us <gphillips@mred.us>  
**Sent:** Tuesday, May 07, 2019 7:56 AM  
**To:** Bernard, Dana <dbernard@howardcountymd.gov>; Robert Oliff <roliff@carusohomes.com>  
**Cc:** Najib Roshan <roshannj@aol.com>  
**Subject:** Re: Simpson Road

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Dana,

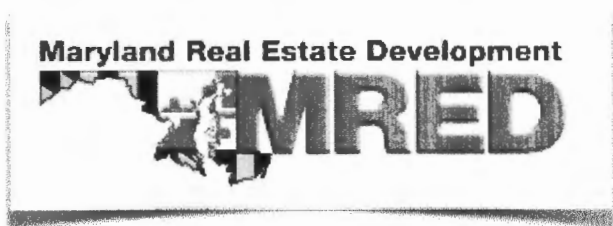
Good seeing you yesterday.

My client wants to know when their building permit will be approved or you will have comments towards approval.

Regards,

Gregory Phillips  
Maryland Real Estate Development  
6100 Day Long Lane  
Suite 100  
Clarksville, Maryland 21029

Direct 410.977.0864  
[gphillips@MRED.US](mailto:gphillips@MRED.US)



On Apr 23, 2019, at 12:06 PM, Bernard, Dana <dbernard@howardcountymd.gov> wrote:

Here are the septic specs you requested.

...\*)

Dana Bernard, R.E.H.S./L.E.H.S.

Bureau of Environmental Health

Phone (410) 313-2775

E-mail: [DBernard@howardcourtyard.com](mailto:DBernard@howardcourtyard.com)

<11969 Simpson Road.pdf>



**From:** Bernard, Dana  
**Sent:** Tuesday, April 23, 2019 3:08 PM  
**To:** 'roshannj@aol.com'  
**Subject:** RE: Simpson Road

Thanks  
Dana

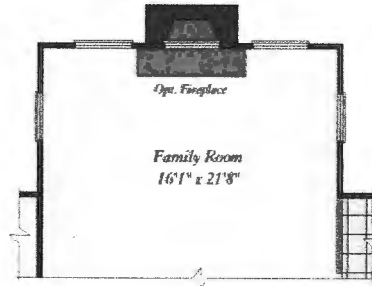
# First Floor

1 of 3

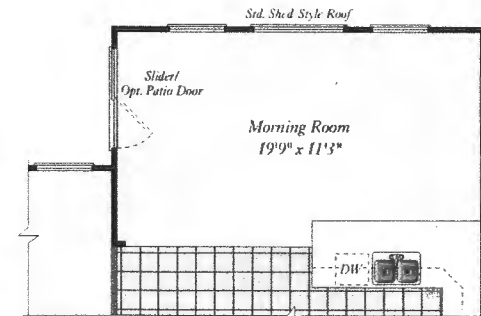
11969 Simson Rd  
Clarksville, MD 21024  
Lot McCloy Properties

**CARUSO**  
Homes

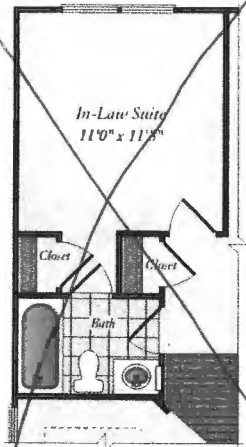
5 Bedrooms



Opt. 4' Family Room Extension

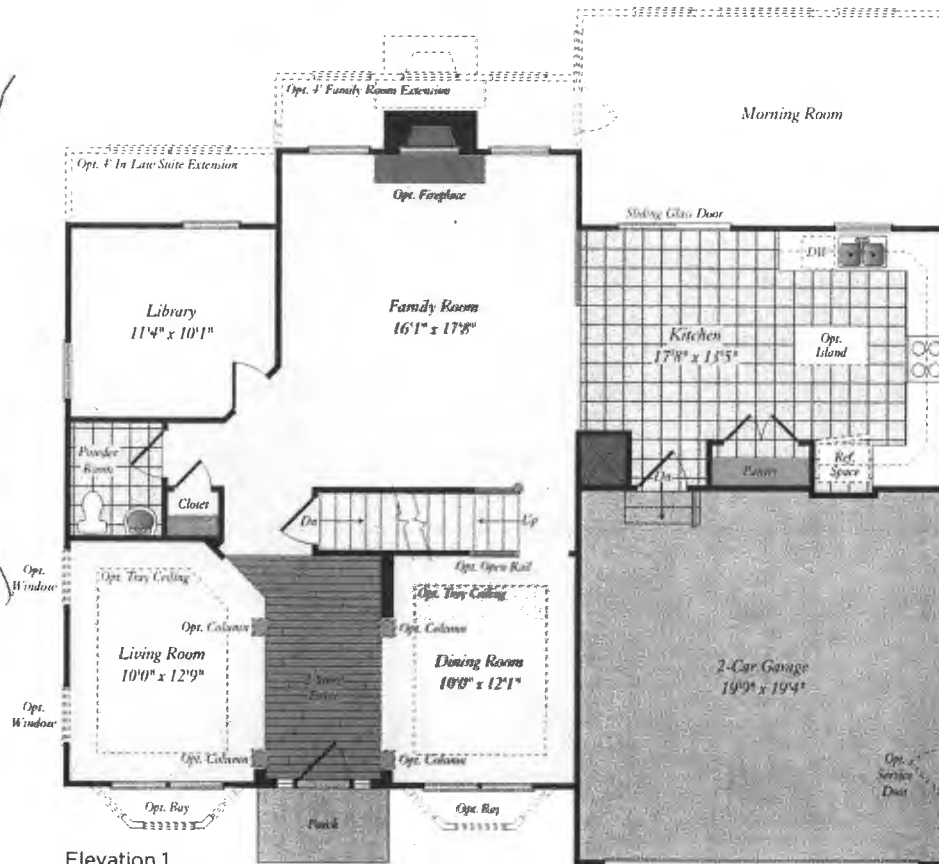


Opt. Large Morning Room



Opt. In-Law Suite

NA

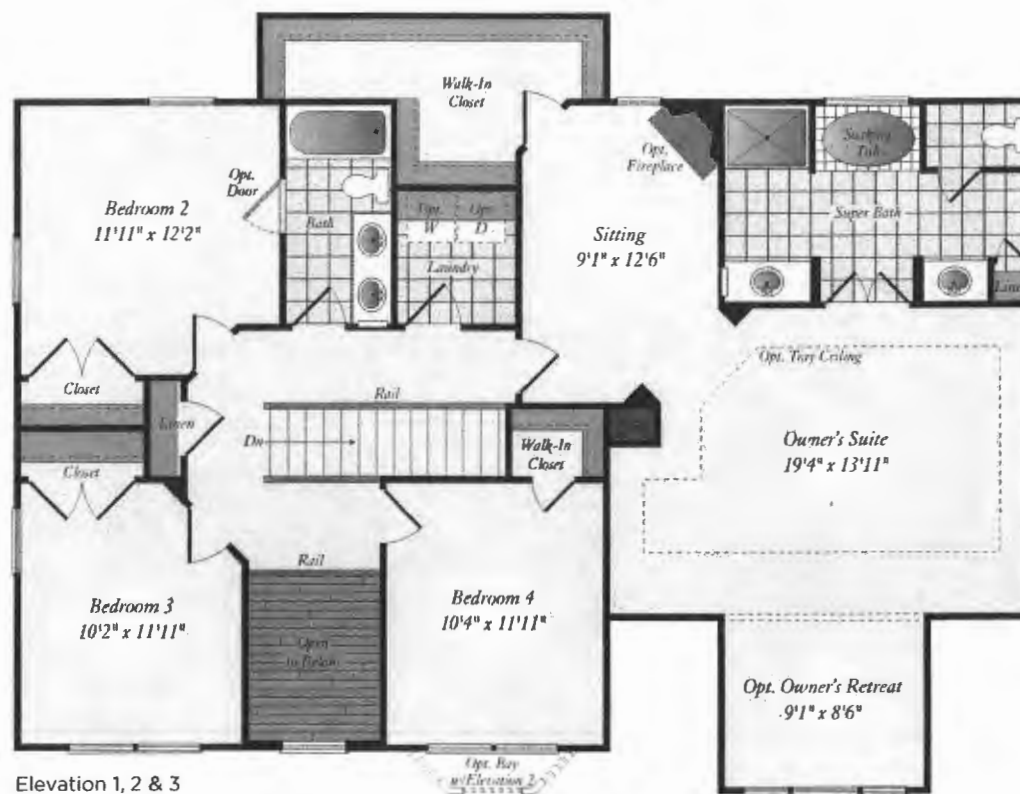


Elevation 1

Opt. Side-Entry Garage

11969 Simpson Rd  
Clarksville MD 21024  
Lot 2 m. Cog Properties

2 of 3

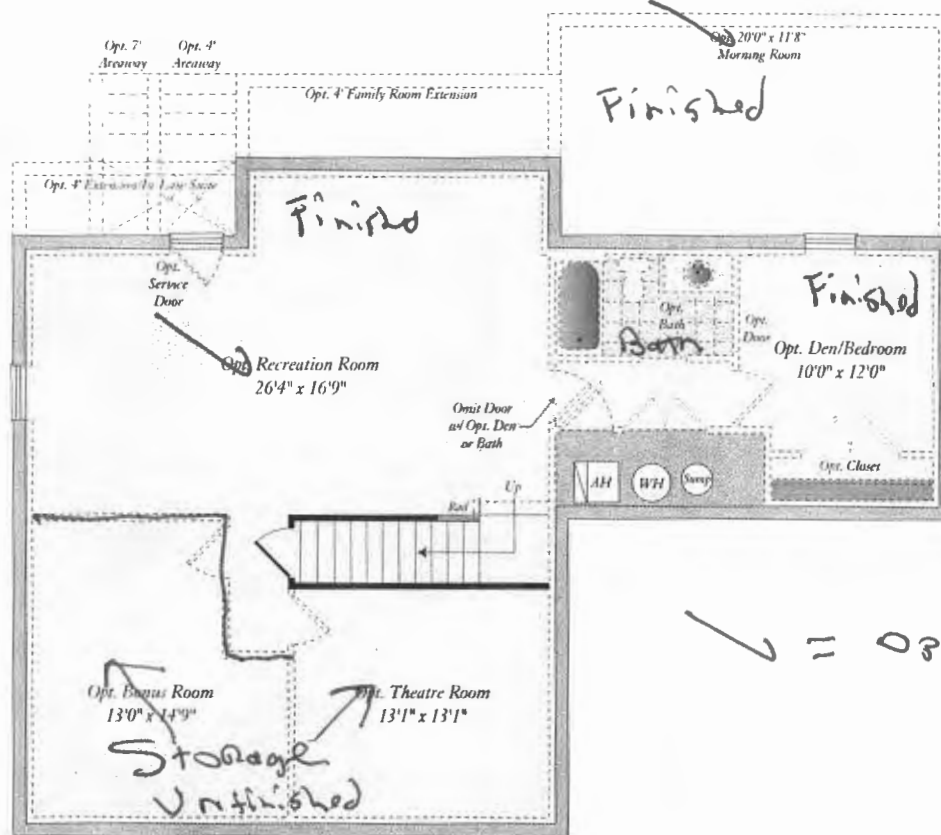


# Basement

303



Opt. Walkout



Opt. Finished Lower Level

11969 Simpson Rd  
Clarksville MD

21021

Lo2 mclay  
property

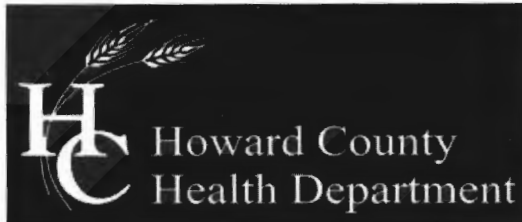
✓ = Option Selected

THE Oxford



To see more options or build your own floor plan  
Visit our Floor Plan Designer  
<http://contradovip.com/caruso/oxford/>





## 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

### SEWAGE DISPOSAL SYSTEM SPECIFICATIONS WORKSHEET

Address: 11969 Simpson Road

Subdivision: Cherry Brae

Lot: 8

Initial system: Application rate: 0.8 Effective area beginning depth: 4 Bottom maximum depth: 8

1<sup>st</sup> Replacement: Application rate: 1.2 Effective area beginning depth: 4.5 Bottom maximum depth: 8

2<sup>nd</sup> Replacement: Application rate: 1.2 Effective area beginning depth: 4.5 Bottom maximum depth: 8

Design Flow = 150 gallons per day per bedroom

Design flow + application rate = square footage of drainfield required

Linear length of trench required = drainfield square footage x sidewall reduction percentage + trench width

Sidewall reduction credit formula:

$$\frac{W + 2}{W + 1 + 2D} \times 100 = \text{Percent of length of standard trench where } W = \text{trench width and } D = \text{depth between effective area beginning depth and trench bottom.}$$

Standard design requirements:

- All trenches must be equal length unless low pressure dosed
- All trenches must be on contour
- Minimum trench spacing: 10' for all trenches utilizing sidewall reduction credit. Additional spacing may be necessary for any trench using over 3.5' of effective sidewall. In those cases, the spacing formula is  $2D + W$  up to a maximum spacing of 18'.
- Minimum trench spacing for trenches with no sidewall credit (bottom area only) is 6' for a 2' wide trench and 9' for a 3' wide trench (spacing is measured edge to edge)
- Maximum trench length is 100'
- Maximum pipe depth is 4'

Additional requirements:

Approved: Dana Bernard Date: 4-23-19

# ProjectDox

## Current Project - Project Markups Listing

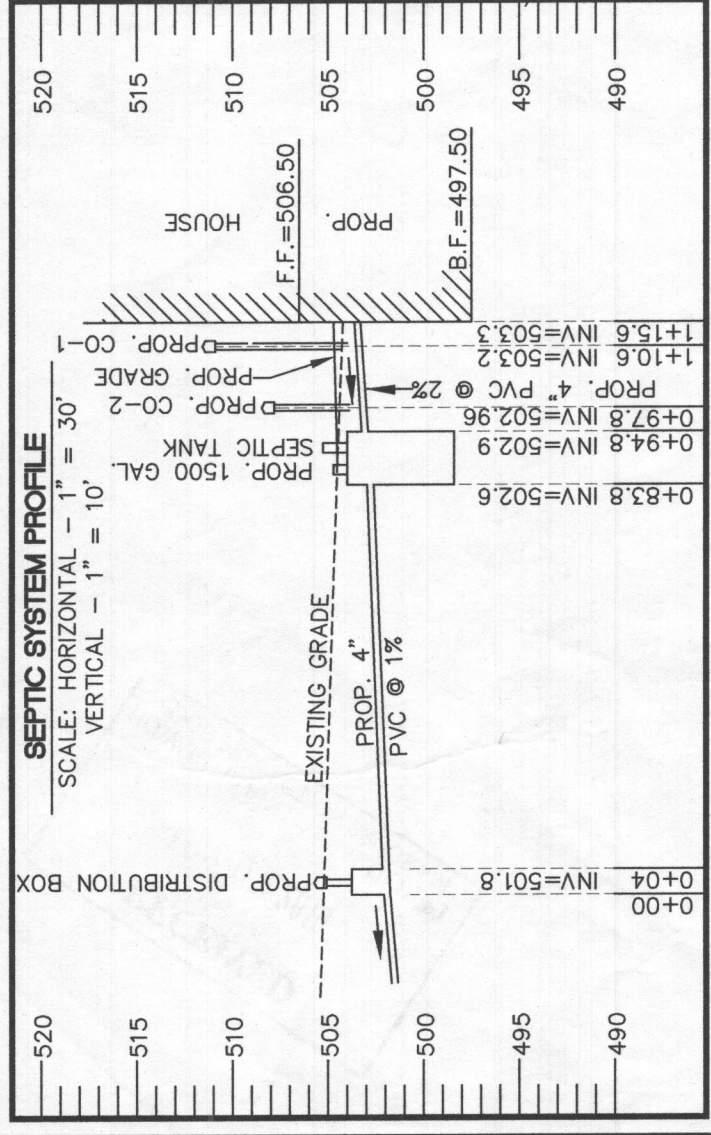
F-18-103

| File Name                     | Markup Name  | Markup Text  | Markup Date | Created by    |
|-------------------------------|--------------|--|-------------|---------------|
| 3324-PLAT-6-12-18 (1) (1).pdf | Dana Bernard | All wells for new lots must be drilled prior to signature.   | 07/19/2018  | Dana Bernard  |
| 3324-PLAT-6-12-18 (1) (1).pdf | Dana Bernard | A new percolation certification plan must be submitted.  | 07/19/2018  | Dana Bernard  |
| 3324-PLAT-6-12-18 (1) (1).pdf | Dana Bernard | The hand dug well on lot #1 must be upgraded to adhere to current Howard County Code.  | 07/19/2018  | Dana Bernard  |
| 3324-PLAT-6-12-18 (1) (1).pdf | DED-PMT      | Please provide a legend.   | 07/11/2018  | Phil Thompson |
| 3324-PLAT-6-12-18 (1) (1).pdf | DED-PMT      |  | 07/11/2018  | Phil Thompson |
| 3324-PLAT-6-12-18 (1) (1).pdf | DED-PMT      | Please revise to health department as DED does not sign off on septic easements.   | 07/11/2018  | Phil Thompson |
| 3324-PLAT-6-12-18 (1) (1).pdf | DED-PMT      | Provide a statement regarding existing cemeteries or that no cemeteries are located on the site.   | 07/11/2018  | Phil Thompson |
| 3324-PLAT-6-12-18 (1) (1).pdf | DED-PMT      | Draw a square symbol to denote concrete monument and a circle symbol to denote iron pipe or rebar with identification caps set in accordance with subdivision regulations, Section 16.139(C). Provide a legend of all symbols used.  | 07/11/2018  | Phil Thompson |
| 3324-PLAT-6-12-18 (1) (1).pdf | DED-PMT      | Please add a note stating, "Storm water management practices are required in accordance with the Design Manuals. Prior to signature approval of the final plat or site development plan, the developer will be required to execute the declaration of covenant and/or a developer's agreement for the construction of the storm water management practices and a maintenance agreement."   | 07/11/2018  | Phil Thompson |
| 3324-PLAT-6-12-18 (1) (1).pdf | DED-PMT      | <p>Please add the following:</p> <ol style="list-style-type: none"> <li>1. The property is not located in the Metropolitan District. *</li> <li>2. For flag or pipestem lots, refuse collection, snow removal and road maintenance are provided to the junction of the flag or pipestem and the road right-of-way only and not onto the flag or pipestem lot driveway.</li> <li>3. Driveways shall be provided prior to residential occupancy to ensure safe access for fire and emergency vehicles per the following minimum requirements: <ul style="list-style-type: none"> <li>(a) Width - 12 feet (16 feet serving more than one residence);</li> <li>(b) Surface - Six (6) inches of compacted crusher run base with tar and chip coating (1-1/2" minimum);</li> <li>(c) Geometry - Maximum 15% grade, maximum 10% grade change and 45-foot turning radius;</li> <li>(d) Structures (Culverts/Bridges) - Capable of supporting 25 gross tons (H25 loading);</li> <li>(e) Drainage Elements - Capable of safely passing 100-year flood with no more than 1 foot depth over surface;</li> <li>(f) Structure Clearance - Minimum 12 feet;</li> <li>(g) Maintenance - Sufficient to ensure all weather use.</li> </ul> </li> </ol> | 07/11/2018  | Phil Thompson |
| 3324-PLAT-6-12-18 (1) (1).pdf | DED-PMT      |  | 07/11/2018  | Phil Thompson |
| 3324-PLAT-6-12-18 (1) (1).pdf | DED-PMT      | Please revise to read, "The traffic study for this   | 07/11/2018  | Phil          |

|                              |         |   |            |               |
|------------------------------|---------|---|------------|---------------|
|                              |         | project was prepared by (company name), dated (date compiled), and was approved on (date approved)." since and APFO Study ws submitted.   |            | Thompson      |
| McCoy_SWM_Report_5-15-18.pdf | DED-PMT | In the Stormwater Management Report, please revise the hydrologic computations (for ESD to the MEP) to include the Runoff depth to size ESD practices (Qe), Total Runoff Volume required (ESDv), Recharge Volume required (Rev).  | 07/11/2018 | Phil Thompson |
| McCoy_SWM_Report_5-15-18.pdf | DED-PMT | In the Stormwater Management Report, please revise the hydrologic computations (for ESD to the MEP) to include a Subarea Analysis. The analysis shall include % Impervious Area, Reduced RCN (if applicable), ESDv required, ESDv provided and Rev provided per device/subarea.   | 07/11/2018 | Phil Thompson |
| SWM_PLAN_sht 1 of 2.pdf      | DED-PMT | Please add anote stating, "The traffic study for this project was prepared by (company name), dated (date compiled), and was approved on (date approved)." since and APFO Study ws submitted.   | 07/11/2018 | Phil Thompson |
| SWM_PLAN_sht 1 of 2.pdf      | DED-PMT |   | 07/11/2018 | Phil Thompson |
| SWM_PLAN_sht 1 of 2.pdf      | DED-PMT | Please make this sheet 1 of 1 as the SSD sheet does not need to be a part of this set. Add F-18-103 to the lower right hand corner of the sheet.  | 07/11/2018 | Phil Thompson |
| SWM_PLAN_sht 1 of 2.pdf      | DED-PMT |   | 07/11/2018 | Phil Thompson |
| SWM_PLAN_sht 1 of 2.pdf      | DED-PMT | Please revise to read, "The contractor shall notify the Department of Public Works/Bureau of Engineering/Construction Inspection Division at (410) 313-1880 at least five (5) working days prior to the start of work. The contractor shall notify "Miss Utility" at 1-800-257-7777 at least 48 hours prior to any excavation work being done."   | 07/11/2018 | Phil Thompson |
| SWM_PLAN_sht 1 of 2.pdf      | DED-PMT |   | 07/11/2018 | Phil Thompson |
| SWM_PLAN_sht 1 of 2.pdf      | DED-PMT | Please revise to read, "The existing topography is taken from (field run or aerial) survey with (maximum two foot) contour intervals prepared by (survey company) dated (survey date). The coordinates shown hereon are based upon the Howard County Geodetic Control, which is based upon the Maryland State Plane Coordinate System. Howard County Monument Nos. and were used for this project."<br><br>HOWARD COUNTY GIS TOPOGRAPHY SHALL NOT BE USED FOR FINAL DESIGN. FIELD RUN TOPOGRAPHY SHALL BE USED.   | 07/11/2018 | Phil Thompson |
| SWM_PLAN_sht 1 of 2.pdf      | DED-PMT |   | 07/11/2018 | Phil Thompson |
| SWM_PLAN_sht 1 of 2.pdf      | DED-PMT | Please revise to read, "All construction shall be in accordance with the latest standards and specifications of Howard County plus MSHA standards and specifications if applicable."  | 07/11/2018 | Phil Thompson |
| SWM_PLAN_sht 1 of 2.pdf      | DED-PMT | Please add the following notes:<br><br>1. Traffic control devices, markings and signing shall be in accordance with the latest edition of the Manual of Uniform Traffic Control Devices (MUTCD). All street and regulatory signs shall be in place prior to the placement of any asphalt.<br><br>2. All sign posts used for traffic control signs installed in the County right-of-way shall be mounted on a 2" galvanized steel, perforated, square tube post (14 gauge) inserted into a 2-1/2" galvanized steel, perforated, square tube sleeve (12 gauge) – 3' long. A galvanized steel pole cap shall be mounted on top of each post.<br><br>3. Water and sewer are private | 07/11/2018 | Phil Thompson |

|                         |         |  |            |               |
|-------------------------|---------|--|------------|---------------|
| SWM_PLAN_sht 1 of 2.pdf | DED-PMT |  | 07/11/2018 | Phil Thompson |
| SWM_PLAN_sht 1 of 2.pdf | DED-PMT | Please revise as the SSD analysis is to be an exhibit and not part of the supplemental plan.   | 07/11/2018 | Phil Thompson |
| SWM_PLAN_sht 1 of 2.pdf | DED-PMT | Please provide a completed SWM Practice Chart with addresses.  | 07/11/2018 | Phil Thompson |
| SWM_PLAN_sht 1 of 2.pdf | DED-PMT | On sheet 1, please provide a Work Zone Traffic Control Plan for the connections to the public road in accordance with the Department of Public Works, Bureau of Engineering, Traffic Engineering Division requirements.  | 07/11/2018 | Phil Thompson |
| SWM_PLAN_sht 1 of 2.pdf | DED-PMT |  | 07/11/2018 | Phil Thompson |
| SWM_PLAN_sht 1 of 2.pdf | DED-PMT | On sheet 1, please provide details of non-standard structures.   | 07/11/2018 | Phil Thompson |
| SWM_PLAN_sht 1 of 2.pdf | DED-PMT | Please specify driveway apron detail reference.  | 07/11/2018 | Phil Thompson |
| SWM_PLAN_sht 1 of 2.pdf | DED-PMT |  | 07/11/2018 | Phil Thompson |
| SWM_PLAN_sht 1 of 2.pdf | DED-PMT | Upload a copy of all Operation & Maintenance Schedules, copy of the title block, a copy of the Stormwater Management Practice Chart w/addresses, a copy of the ownership information, a copy of the Vicinity Map and an 8-1/2" x 11" exhibit of the lot identifying the micro-scale practices for inclusion into the Declaration of Covenants with the revised submission. | 07/11/2018 | Phil Thompson |
| SWM_PLAN_sht 1 of 2.pdf | DED-PMT |  | 07/11/2018 | Phil Thompson |
| SWM_PLAN_sht 1 of 2.pdf | DED-PMT | Please label areas as N-1 Disconnection of Rooftop Runoff and N-2 Disconnection of Non-Rooftop Runoff.   | 07/11/2018 | Phil Thompson |
| SWM_PLAN_sht 1 of 2.pdf | DED-PMT |  | 07/11/2018 | Phil Thompson |
| SWM_PLAN_sht 1 of 2.pdf | DED-PMT |  | 07/11/2018 | Phil Thompson |
| SWM_PLAN_sht 1 of 2.pdf | DED-PMT |  | 07/11/2018 | Phil Thompson |
| SWM_PLAN_sht 1 of 2.pdf | DED-PMT |  | 07/11/2018 | Phil Thompson |
| SWM_PLAN_sht 1 of 2.pdf | DED-PMT |  | 07/11/2018 | Phil Thompson |
| SSD_PLAN_sht 2 of 2.pdf | DED-PMT | Please provide the 85th percentile speed study to verify design information as it does not appear to have been submitted.  | 07/11/2018 | Phil Thompson |





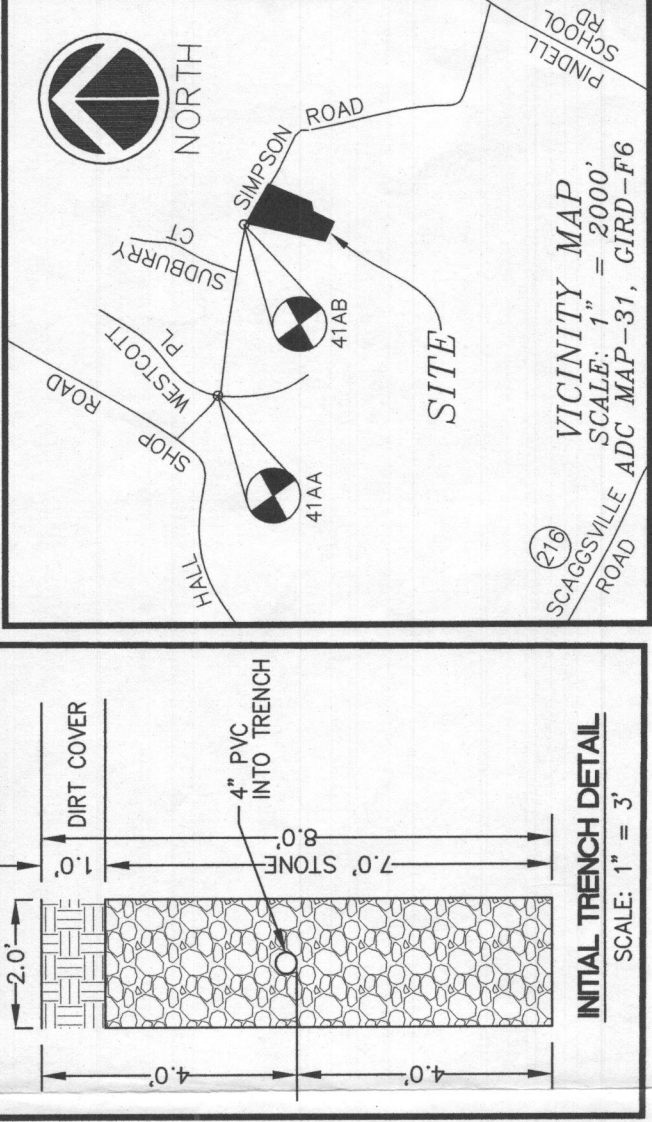
**SEPTIC SYSTEM CALCULATIONS, REPLACEMENT 1 + 2**

ABSORPTION RATE FOR SITE=12  
EFFECTIVE AREA BEGINNING = 4'5"  
BOTTOM MAXIMUM DEPTH = 8'0"  
DRAINFIELD AREA: 5 BEDROOMS / 1.2 ABSORPTION RATE  
SIDEWALL REDUCTION CREDIT:  $\frac{WIDTH+2}{2} = \frac{24+1+2(3.5)}{2}$   
LENGTH OF TRENCHES:  $\frac{WIDTH+1+2(DEPTH)}{2} = \frac{625 \text{ SQ. FT.} \times 0.40}{2} = 75 \text{ LINEAR FEET}$   
MINIMUM TRENCH SPACING=10 FEET  
(TWO TRENCHES OF 6.3 FEET IN LENGTH; EACH, 10 FOOT SPACED TO ONE OF THE TWO REPLACEMENT SYSTEMS FOR A TOTAL OF 12.6 FEET)

SEPTIC SYSTEM CALCULATIONS, INITIAL SYSTEM

|   |                         |
|---|-------------------------|
| ABSORPTION RATE FOR SITE=0.8                                    |                         |
| EFFECTIVE AREA BEGINNING = 4.0'                                 |                         |
| BOTTOM MAXIMUM DEPTH = 8.0'                                     |                         |
| DRAINED AREA: 5 BEDROOMS  | 0.8 ABSORPTION          |
| SIDEWALL REDUCTION CREDIT:                                      | $\frac{2+2}{2+1+2}$     |
| LENGTH OF TRENCH:   | $\frac{2}{0.36} = 5.56$ |
| MINIMUM TRENCH SPACING= 10 FEET                                 |                         |
| (TWO TRENCHES OF 85 FEET IN LENGTH, 10 FOOT SPACED AT 170 FEET) |                         |
| (THE INITIAL SYSTEMS FOR A TOTAL OF 170 FEET)                   |                         |

| INITIAL SYSTEM TRENCH INFORMATION CHART |               |                    |                  |                  |
|---|---------------|--------------------|------------------|------------------|
| TRENCH                                  | TRENCH LENGTH | EX. GRD. ON TRENCH | INV. INTO TRENCH | BOTTOM OF TRENCH |
| 1                                       | 85'           | 505.5              | 501.5            | 497.5            |
| 2                                       | 85'           | 505.0              | 501.0            | 497.0            |



LOT 2  
MCCOY PROPERTY  
PLAT NUMBER 29971  
TAX MAP 41, GRID 7, PARCEL 198  
11969 SIMPSON ROAD, CLARKSVILLE  
FIFTH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND


PLAN PREPARED BY:

**NJR & ASSOCIATES**

Land Surveying and Planning

2770 STATE ROUTE 32  
WEST FRIENDSHIP, MD 21794

TEL: (240) 508-3200



| REVISIONS  |
|--|
| 1- Upgraded to a 5 bedroom house of May 7, 2019. |



|   |                       |
|---|-----------------------|
| DATE: APR. 15, 2019                       | JOB NUMBER: 3324      |
| SCALE: 20' = 1"                           | FILE NUMBER: 3324-SWG |
|   | PLOTTED: MAY 7, 2019  |
|   | DRAWN BY: NR          |
| ONSITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN |                       |
| SHEET                                     | 1 OF 1                |

**OWNER/DEVELOPER**  
JOHN AND MARY MCCOY  
11965 SIMPSON ROAD  
CLARKSVILLE, MD 21029  
(410) 371-0240

| SOIL TABLE |                            |      |          |
|------------|----------------------------|------|----------|
| SYMBOL     | NAME/DESCRIPTION           | TYPE | HYDROLIC |
| GgB        | Genelg loam, 3 to 8% slope | B    | No       |

304  
PROPOSED CONTOUR  
PROPOSED SPOT ELEVATION  
+0.0350  
EX. SEWAGE DISPOSAL AREA  
PROP. STABILIZED  
CONSTRUCTION ENTRANCE  
SOIL DIVIDE LINE

- NOTES:
- 1- ACCESS TO THE LOCATIONS OR DEPTHS TO THE COMPONENTS MUST BE APPROVED BY THE ENGINEER AND THE HOWARD COUNTY HEALTH DEPARTMENT PRIOR TO INSTALLATION. A REVISED SITE PLAN MAY BE REQUIRED.
- 2- THE MAXIMUM EARTH COVER OVER THE TANK IS 3 FEET. GREATER EARTH COVER WILL REQUIRE A HEAVY LOAD BEARING TANK.
- 3- ELECTRICAL WORK FOR THE INSTALLATION MUST BE PERFORMED BY A LICENSED ELECTRICIAN.
- 4- THE EXISTING SEWER AND SEPTIC SYSTEMS LOCATED WITHIN 100' OF THE PROPERTY BOUNDARIES AND 200' DOWN GRADIENT OF ANY WELL AND/OR SEPTIC SYSTEMS HAVE BEEN SHOWN ON THIS PLAN BY N.J.R. & ASSOCIATES.
- 5- THE TOPOGRAPHY SHOWN ON THIS PLAN IS BASED ON AN ACTUAL FIELD RUN SURVEY BY N.J.R. & ASSOCIATES PERFORMED ON OCTOBER OF 2018.
- 6- THIS SURVEY IS TIED TO MARYLAND STATE PLANE NAD 83/91 COORDINATE SYSTEM AND NAD 83 ELEVATIONS.
- 7- THE SURVEY WAS PERFORMED BY N.J.R. & ASSOCIATES, A PROFESSIONAL SURVEYING FIRM AND LOT ARE AS SHOWN.
- 8- ANY CHANGES TO THE PRIVATE SEWAGE EASEMENT SHOWN REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT.
- 9- ANY CHANGES TO THE PERCOLATION CERTIFICATION PLAN WILL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.

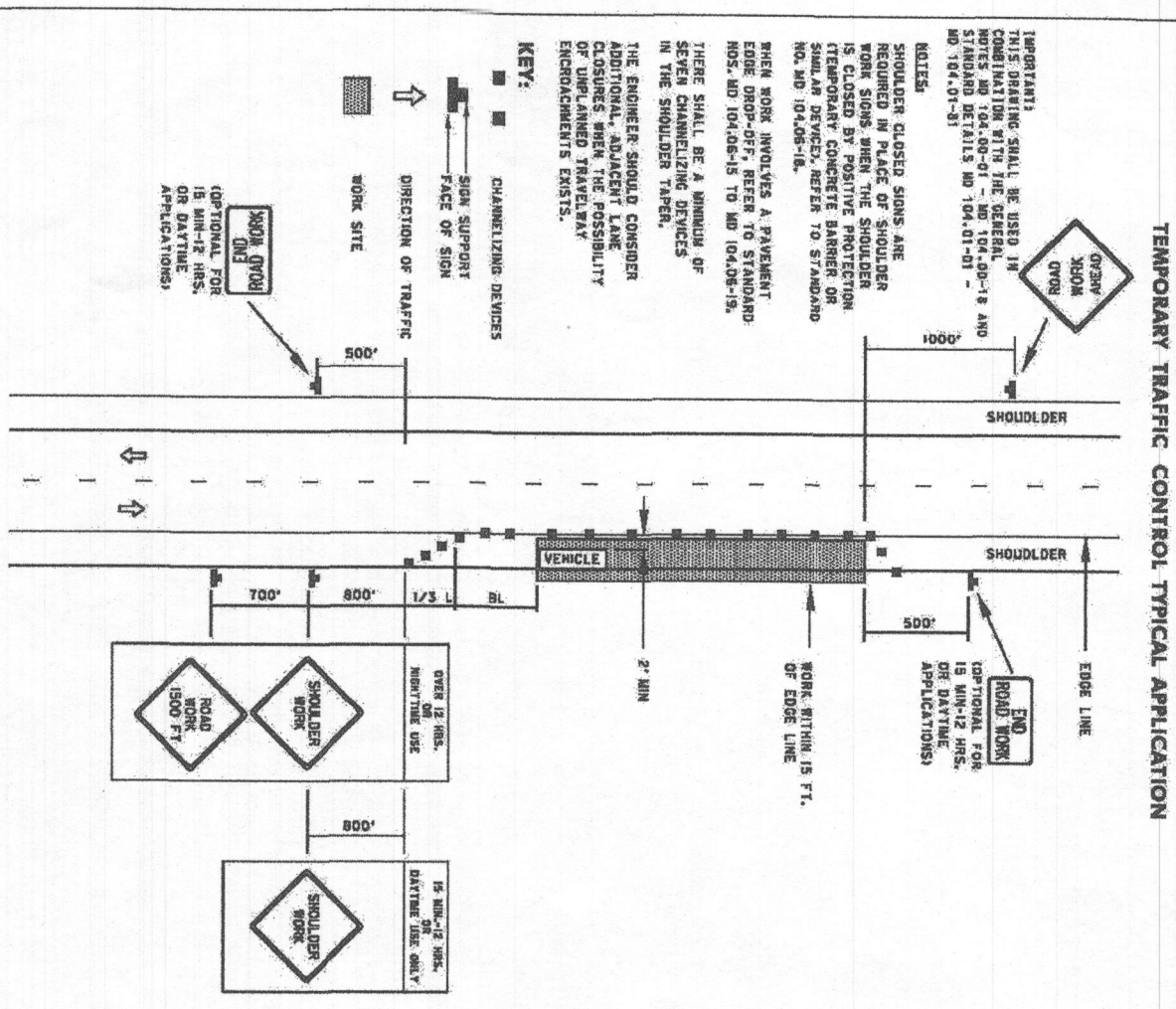
|     | HEALTH OFFICER, HOWARD COUNTY HEALTH DEPARTMENT. | DATE |
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Approved Septic System Plan  
Howard County Health Department  
DBernard 5-9-19  
Signature Date  
B1400096

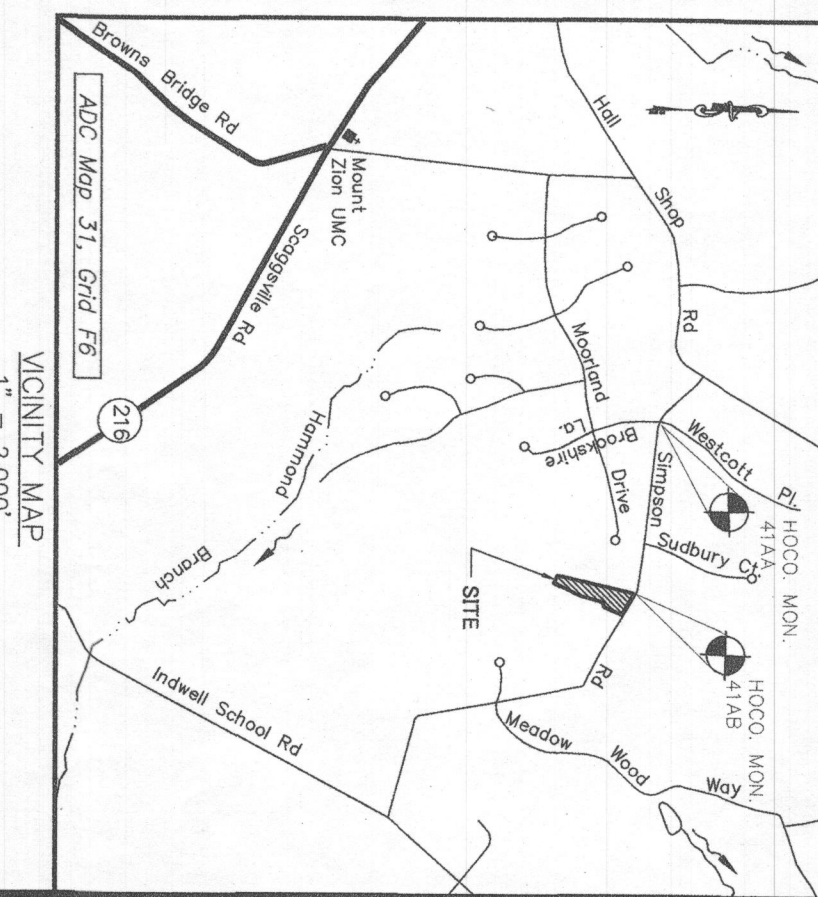
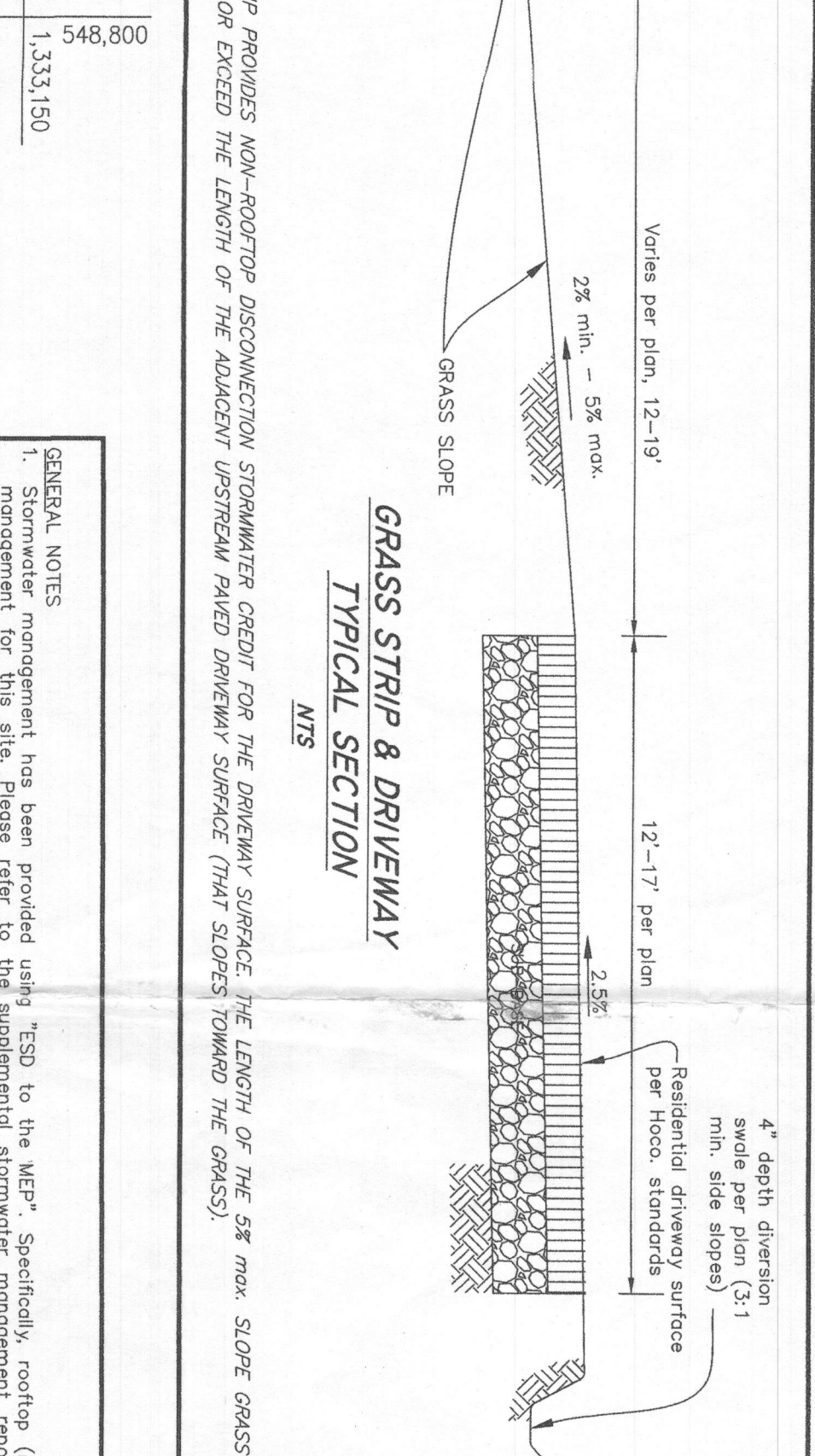
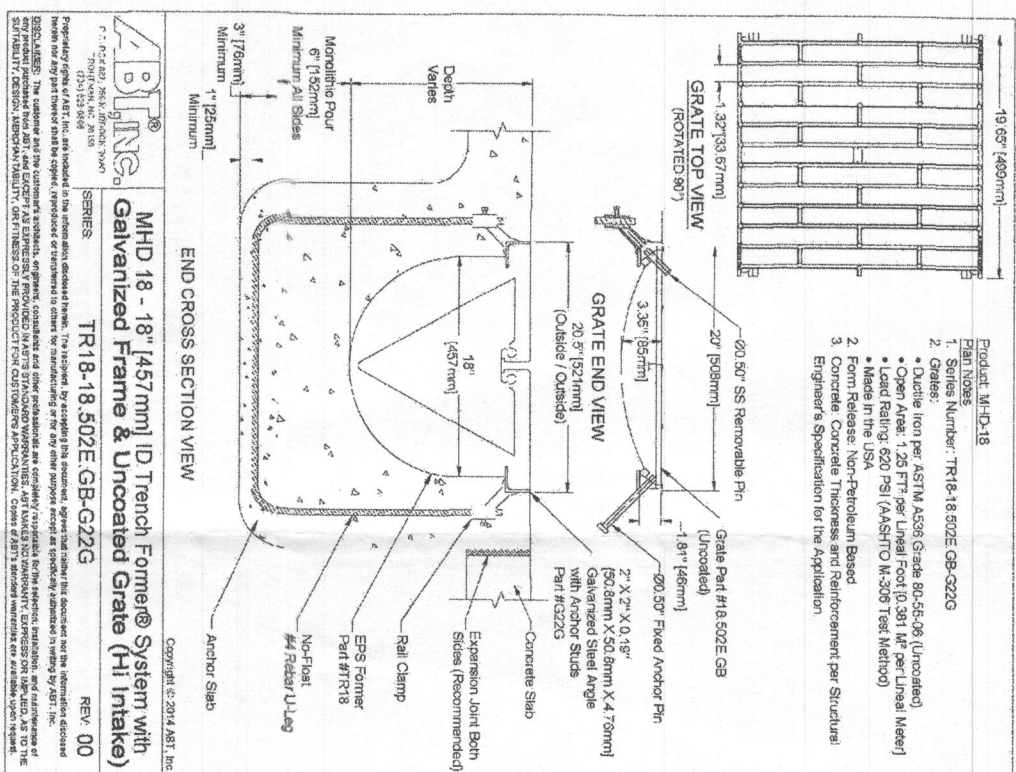
LOT 2  
CHERRY BRAE  
PLAT No. 5887

3 CHERRY BRAE  
PLAT No. 5887





| SOILS TABLE |  |     |      |
|-------------|--|-----|------|
| SYMBOL      | NAME                                     | HSG | Kv   |
| GgB         | Gemeig loam (100% of LOD)<br>3-8% slopes | B   | 0.24 |
| GHB         | Gemeig Urban land complex<br>0-8% slopes | B   | 0.24 |



| <b>McCOY PROPERTY LOT 2</b><br><b>ESD, SUMMARY TABLE</b> |                       |                       |  |
|--|-----------------------|-----------------------|--|
| Location   | Required ESD's<br>(a) | Treated ESD's<br>(a') | Practice   |
| Roof   | 158                   | 158                   | Roofing disconnection (N-1), roofs<br>500 # (max) for 75 @ 2.8% (NE)<br>500 # (max) for 75 @ 3.5% (SE)<br>500 # (max) for 75 @ 3.2% (NW)<br>500 # (max) for 75 @ 4.8% (SW) |
| Driveway<br>(12-18)                                      | 81                    | 81                    | Non-roofing disconnection (N-2)<br>credit  |

| STORMWATER MANAGEMENT PRACTICES for<br>Macco Subdivision, 11865 Simpson Road, Clarksville, MD 21039 |        |                                |
|---|--------|--------------------------------|
| Non-Rooftop Disconnection (N-2)   | n/a    | East and adjacent to driveway  |
| Rooftop Disconnection (N-1)   | 4 min. | Various locations around house |
| Practices   | No.    | Location                       |

|   |   |           |             |
|---|---|-----------|-------------|
| APPROVED:                               | HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING |           |             |
| <i>Kate L. Goss</i>                     |   |           |             |
| Chief, Division of Land Development     | as  |           |             |
| <i>Dan Clark</i>                        |   |           |             |
| County Development Engineering Division |   |           |             |
| PROJECT                                 | SECTION   | LOT NO.'s |             |
| Mccoy Property                          | N/A   | 2         |             |
| PLAT                                    | BLOCK NO.                                       | ZONE      | TAX/ZONE    |
| TBD                                     | 07  | RR-DEO    | 41          |
|   |   | 5th       | ELEC. DIST. |
|   |   |           | CENSUS TR.  |
|   |   |           | 6605102     |
| Date                                    |   |           |             |
|   |   |           | 2/5/19      |
|   |   |           | DATE        |
|   |   |           | 7-21-19     |

**McCoy Property - Lots 1 & 2**  
RESUBDIVISION OF LOT 1, CHERRY BRAE (PLAT # 5887)  
11965 SIMPSON ROAD, CLARKEVILLE, MD 21029

TAX MAP NO.: 41    PARCEL NO.: 198    GRID NO.: 07  
FIFTH ELECTION DISTRICT    HOWARD COUNTY, MARYLAND

[illegible]

**CIVIL DESIGN SERVICES, LC**  
123 Holly Ridge Court, Columbia, Maryland 21044

hereby certify that I prepared this plan and the seal signifies that I am a duly licensed professional engineer under the laws of the State of MD. License No. 838, w/expiration December 17, 2019.



ANDREW A. PORTER, P

DA-

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| NO. | REVISION |
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