

Menu Save Reset Cancel Help

Approved 12/30/19 AD.

Record Detail * (This section is required.)

Permit Type	Permit Number	Opened Date
Building/Residential/Misc/Solar Panel	B19004058	11/25/2019
Description of Work		
SFD/ INSTALL (102) GROUND MOUNTED SOLAR PANELS, 31.11 KW		

check spelling

Address * (This section is required.)

Search Reset Clear Get Parcel & Owner

Street #	Street Name	Street Type	
5312	AERIE	CT	
Unit Type	Unit #	X Coordinate	Y Coordinate
--Select--		-76.97357	39.22453
City	State	Zip Code	Primary
CLARKSVILLE	MD	21029	Yes

Parcel * (This section is required.)

Search Reset Clear Get Address & Owner

GIS ID *	Parcel	Parcel Area	Land Value	Improved Value	Exemption Value	Plan Area
876781	388	3.37	297700	748000	450300	RURAI
Legal Description						
IMPSLOT 6 3.371 A[]5312 AERIE CT[]EAGLE POINT LANDING						

check spelling

Block	Lot	Census Tract	Council Dist	Inspection Dist	Supervisor Dist	Map #	DAP Zone
	6	605101	5				
Plan Area	State Tax Id	Subdivision Name					
	1405408431	EAGLE POINT LANDING					
Section	Area	Tax Map					
		28					
Grid	Zoning District	ADC Map					
28-21	RR-DEO	4933-E5					
SDP No.	Final Plan No.	WP File No.					
Record Plat No.	WS Contract No.	FDP No.	Primary				
7961			Yes				
Owner Occupied	Year Built	Historic District					
<input type="radio"/> Yes <input type="radio"/> No	1990	<input type="radio"/> Yes <input checked="" type="radio"/> No					
Historic District Registry No.	Stat Area	Flood Plain					
	5-02A	<input type="radio"/> Yes <input checked="" type="radio"/> No					
Building No							

Owner * (This section is required.)

Search Reset Clear

Name *

SCOTT CHARLES W. JR

Address Line 1

5312 AERIE CT
 Address Line 2
 Address Line 3
 Mail City: CLARKSVILLE Mail State: MD Mail Zip Code: 21029
 Phone: 443-812-6842 Primary: Yes
 E-mail: CHARLIE@AMERICANDOORMD.COM
 Cell Number Fax Number

Professionals * (This section is required.)

Search Reset Clear

License # * Business Name
 08050127353 SOLAR ENERGY WORLD LLC
 License Type * First Name Middle Name Last Name
 MHIC Co GEOFFREY MIRKIN
 Primary Address Line 1
 Yes 5681 MAIN STREET
 Address Line 2
 City State ZIP Code
 ELKRIDGE MD 21075-0000
 Phone 1 Phone 2 Fax
 4105792009 4105791601
 E-mail
 GMIRKIN@SOLAREENERGYWORLD.COM

Applicant * (This section is required.)

Search As Owner As Lic. Prof As Contact

Type * First Name MI Last Name
 Applicant ZACH NEUBAUER
 Relationship Full Name
 Applicant ZACH NEUBAUER
 Primary Organization Name
 Yes SOLAR ENERGY WORLD
 Street Address
 5681 MAIN STREET
 Address Line 2
 City State Zip Code
 ELKRIDGE MD 21075
 Phone Cell Fax
 410-579-5172
 E-mail *
 ZNEUBAUER@SOLAREENERGYWORLD.COM

Addtl Info

Est Construction Cost *Housing Units * Number of Buildings *Public Owned
 76000 0 0 No
 Construction Type
 --Select--

RESIDENTIAL SOLAR PANEL INFO

SOLAR PANEL INFORMATION

Capital Project-No Fee Type of Installation * Number of Panels * Water Supply * Sewage Disposal * Expiration Date

Yes No

Solar Collector - Ground IV

102

Private

Private

6/27/2020

Existing Use *

SFD

**PAYMENT
INFORMATION**

Check 1

Payee 1

Check 2

Payee 2

SAP Doc No

SAP Entered

Submit Cancel



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

December 30, 2019

Charles W. Scott, Jr.
5312 Aerie Court
Clarksville, MD 21029

RE: Waiver Approval
5312 Aerie Court
Clarksville, MD 21029

Mr. Scott,

This letter is being issued in response to your waiver request received on December 12, 2019. Your request for a waiver to allow the 113.5 by 16.5 foot solar array to be located within the established sewage disposal area has been approved. The array is not viewed as a permanent structure and is anchored to the ground using 2.5 foot deep anchors which may be removed at any point in time when the sewage disposal area is needed for future on-site sewage disposal system repairs. The anchors are to be installed with hand tools and vehicle traffic within the sewage disposal system area is not required for the solar array installation. Any subsurface electric lines in the sewage disposal area should be installed as shallow as allowable by code to minimize disturbance of the soil. Any deviations from the proposed work illustrated on the site plan submitted with the waiver request will be subject to further review by this department.

Any questions regarding this decision may be directed to the Well and Septic Program of the Howard County Health Department.

Respectfully,

A handwritten signature in black ink that reads 'Michael J. Davis'.

Michael J. Davis

Assistant Director

Bureau of Environmental Health

Mr. Michael Davis
Deputy Director, Howard County Health Department
8930 Stanford Blvd
Columbia, MD 21045

Rec'd 12/12/19

Re: Request for Waiver, Percolation Certification Plan Modification Requirements
5312 Aerie Court Clarksville, MD 21029
Lot 6 – Eagle Point Landing

Mr. Davis:

The purpose of this letter is to formally request a waiver from Percolation Certification Plan modification requirements related to proposed work on my property located at 5312 Aerie Court, in Clarksville. I am the Owner of this property and have been since 1990.

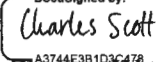
I wish to add a ground-mounted solar array on a portion of my subject property. The array is proposed to be approximately 113.5' x 16.5' in size and shall be located as shown on the attached exhibit. The array is proposed to be located in the location of an existing 10,000 SF Sewage Disposal Area (SDA) located on a portion of my property. The SDA in question is a reserve area only; there is no septic system infrastructure or disposal trench constructed within the SDA in question. All on-site disposal trench is constructed within a separate SDA located neared to the existing house. Modifications to the existing percolation certification plan will require additional percolation testing per Howard County Health Department (HCHD) staff.

Please find a scaled site plan attached to this request letter showing the location of all on-site structures, wells, septic infrastructure, and other site improvements attached to this request letter. The proposed location of the ground-mounted solar array is clearly shown on the site plan. The plan was prepared by my Engineering/Surveying Consultant, O'Connell & Lawrence, Inc., and is based on a field-run survey performed by this consultant in November of 2019.

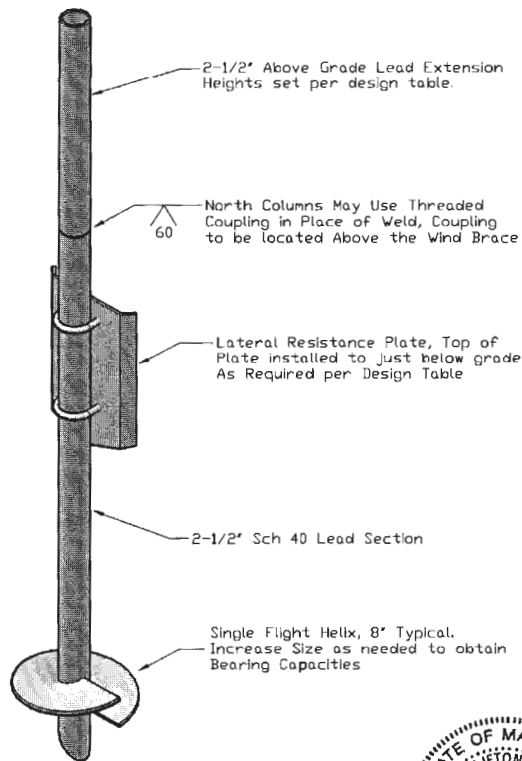
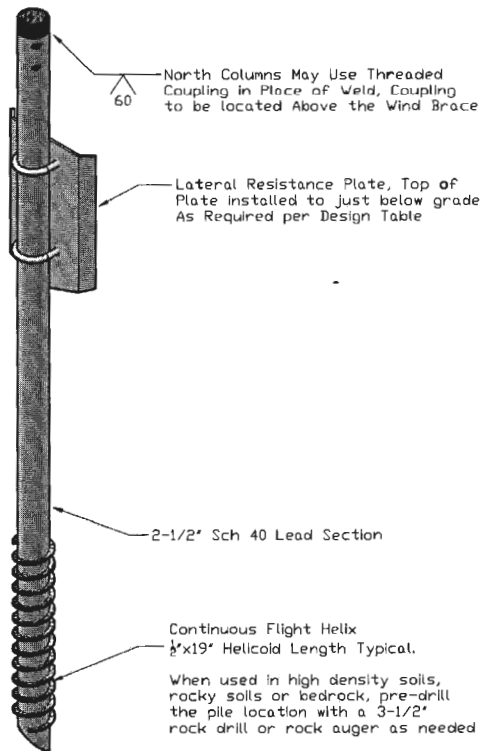
Therefore, I would like to formally request that you grant the waiver from Percolation Certification Plan requirements and grant a waiver to permit the installation of this ground-mounted solar array as shown on the attached Site Plan. By my signature, I hereby acknowledge that, in the event the 10,000 SF SDA as shown on the site plan is needed for the installation of a future replacement septic system, the solar array will be temporarily removed in order to install this new system.

Thank you very much for your consideration of this request.

Very Truly Yours,

DocuSigned by:

A3744E3B1D3C478
Charles W. Scott, Jr.
Owner, 5312 Aerie Court

Enclosure: Site Plan for Percolation Certification Plan Modification Waiver



Helical Pile Detail

NOT TO SCALE

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. 40027, Expiration Date: 3/15/21.



Specification Requirements:

The following material specification requirements pertain to the fabrication of the Solar Foundations USA ground mount solar support structure as indicated on these drawings.

1. Solar Foundation aluminum rails shall conform to ASTM B221.
2. Structural steel tubing shall be ASTM A500 Grade C.
3. Steel pipe for piles shall conform to ASTM A500 Grade C.
4. Steel pile extensions shall be ASTM A53 Grade B.
5. Fabricated steel plate for column cap assemblies, bracing clamps, etc. shall be ASTM A36 or A1011.
6. Steel bolts for cap fasteners shall conform to SAE J429 Grade 5. All other bolts shall conform to SAE J429 Grade 2 or better.
7. Steel U-bolts shall conform to ASTM 1018.
8. USS flat steel washers shall conform to ASTM F844 and nuts for steel connections shall conform to ASTM A563 Grade A.
9. All field welding shall conform to AWS D1.1/D1.1M -Structural Welding Code requirements.
10. All steel shall be hot-dip galvanized per ASTM A123 or A153 after all fabrication has been completed.

Installation Requirements:

1. The minimum average installation torque required to obtain the required indicated capacities and the minimum installation depth shown on the plans shall be satisfied prior to termination of the installation. The installation torque shall be an average of the installation torques indicated during the last 1 foot of installation.
2. The torsional strength rating of the torque anchor shall not be exceeded during the installation. If the torsional strength limit of the anchor has been reached, but the anchor has not reached the target depth, perform the following:
 - 2.1. If the torsional strength limit is achieved prior to reaching the target depth, the installation may be acceptable if reviewed and approved by the engineer and/or owner.
 - 2.2. The installer may remove the torque anchor and install a new one with smaller diameter helical plate.
 - 2.3. If using a continuous flight pile, pre-drill the pile location with a 3-1/2" rock auger or rock drill as needed.
3. If the target depth is achieved, but the torsional requirement has not been met the installer may do one of the following:
 - 3.1. Install the torque anchor deeper to obtain the required capacity.
 - 3.2. Remove the torque anchor and install a new one with a larger diameter helical plate or one with multiple helical plates.
 - 3.3. Reduce the load capacity on the individual torque anchor by providing additional torque anchors at a reduced spacing.

Sheet 3 of 3

Solar Energy World

Date	Revision	Drawn By:	Review By:
11/25/2019	Original	ML	JD

Project:
 Scott Residence (MD5990)
 5312 Aerie Ct
 Clarksville, MD 21029

Solar Foundations USA

1142 River Road, New Castle, DE 19720 Ph: (855) 738-7200 Fax: (866) 644-5665

Solar Foundation

02/20/12

details per your

request.

- Hank

Transmittal

O'Connell & Lawrence, Inc.

Corporate Office:
 17904 Georgia Avenue, Suite 302
 Olney, MD 20832-2239
 1-301-924-4570
 Fax 1-301-924-5872

To: Howard County Health Department
Well and Septic Program
8930 Stanford Blvd
Columbia, MD 21045

Date: 12/4/2019

Attn: Hank Oswald
 Phone: (410) 313-6300

We are sending you via:

Courier

Mail

FedEx

Other

Job Number: 019-028 BG: REIM

Job Name: 5312 Aerie Court
Waiver Request from Perc. Cert. Rqmts

SERVICE TYPE

DESCRIPTION

# of Copies	Original, Blue-line Mylar, Diskette	Description
1	Original	Site Plan for Waiver
1	Original	Waiver Letter Request
1	Copy	Building Permit Application Print from DILP for Solar Array
		Building Permit B19004058

Submitted:

- For approval
 For review
 For your action
 For your use
 For your files
 For bids due : _____
 As requested
 For your information

Remarks: Hank - As discussed, please find a waiver request package for Percolation Certification Plan requirements for the subject property. Please let us know if you have questions or need anything else. Thanks.

Copy to: file

Sent by: Douglas G. Tilley, P.E.



Department of Inspections/Licenses/Permits

[Register for an Account](#) | [Login](#)

[Home](#) [Building](#) [Fire](#) [Licenses](#) [Enforcement](#)

[Search Applications](#) | [Schedule an Inspection](#)

Building B19004058: Residential Solar Panels

Record Status: Review In Process

▼ Work Location

5312 AERIE CT
CLARKSVILLE MD 21029

▼ Application Details

Applicant:

ZACH NEUBAUER
SOLAR ENERGY WORLD
5681 MAIN STREET
ELKRIDGE, MD, 21075
Phone:410-579-5172
ZNEUBAUER@SOLARENERGYWORLD.COM

Licensed Professional:

GEOFFREY MIRKIN GMIRKIN@SOLARENERGYWORLD.COM
SOLAR ENERGY WORLD LLC
5681 MAIN STREET
ELKRIDGE, MD, 210750000
Primary Phone:4105792009
Other:4105791601
MHIC Co 08050127353

Description of Work:

SFD/ INSTALL (102) GROUND MOUNTED SOLAR PANELS,
31.11 KW

Owner:

SCOTT CHARLES W JR
5312 AERIE CT
CLARKSVILLE MD 21029
United States
Primary Phone:443-812-6842
CHARLIE@AMERICANDOORMD.COM

► More Details

▼ Fees

Paid:

Date	Invoice Number	Amount
11/25/2019	599586	\$50.00
11/25/2019	599586	\$5.00

Total paid fees: \$55.00

▼ Inspections

Upcoming

Completed

There are no completed inspections on this record.

▼ Processing Status

- ✔ ▶ Application Acceptance
- ✔ ▶ Building Review
- ✔ ▶ Zoning
- ▶ ▶ Health Dept
- ▶ ▶ Building Permit Issuance
- ▶ ▶ Final Building
- ▶ ▶ C of C

▶ **Related Permits**

© Copyright
2011 -
Howard
County, MD
Government.
All Rights
Reserved.

Oswald, Hank

From: Oswald, Hank
Sent: Monday, December 23, 2019 2:22 PM
To: Tom Lampros
Cc: Summer Crosby; Zachary Neubauer; John Stokes; Douglas Tilley; Bryan Hacker
Subject: RE: 5312 Aerie Court_Solar Panels_Waiver

Hello All:

It looks like the waiver request has been approved. Prior to building permit approval, we would like more information on how the solar panels are anchored into the ground. Please forward those details to me at your earliest convenience.

Thanks,

Hank

From: Oswald, Hank
Sent: Thursday, December 12, 2019 1:09 PM
To: Tom Lampros <tlampros@solarenergyworld.com>
Cc: Summer Crosby <scrosby@solarenergyworld.com>; Zachary Neubauer <zneubauer@solarenergyworld.com>; John Stokes <jstokes@solarenergyworld.com>; Douglas Tilley <doug@oclinc.com>; Bryan Hacker <bhacker@solarenergyworld.com>
Subject: RE: 5312 Aerie Court_Solar Panels_Waiver

Hi Tom:

I received an email from Doug Tilley today who stated that the paperwork was mailed out Tuesday. I don't have it yet. Once I have it, I will review it and forward to the Deputy Director. Waiver reviews may take up to 10 days. If the waiver/site plan is approved, then you will need to submit a copy of the site plan to DILP when you apply for the building permit.

Please let me know if you have any other questions.

Thanks,

Hank

From: Tom Lampros <tlampros@solarenergyworld.com>
Sent: Thursday, December 12, 2019 10:11 AM
To: Oswald, Hank <hoswald@howardcountymd.gov>
Cc: Summer Crosby <scrosby@solarenergyworld.com>; Zachary Neubauer <zneubauer@solarenergyworld.com>; John Stokes <jstokes@solarenergyworld.com>; Douglas Tilley <doug@oclinc.com>; Bryan Hacker <bhacker@solarenergyworld.com>
Subject: RE: 5312 Aerie Court_Solar Panels_Waiver

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

Hi Hank,

You should now have the survey from O'Connell and Lawrence, and the homeowners' perc waiver request. Could you tell us how this will move forward now, so we can reach out to whatever agency will also be reviewing this Site Plan?

We're hoping to get this ground mount installed by the end of the year.

Thanks very much,
Tom

From: Douglas Tilley <doug@oclinc.com>
Sent: Monday, December 9, 2019 11:09
To: Tom Lampros <tlampros@solarenergyworld.com>
Cc: Summer Crosby <scrosby@solarenergyworld.com>; Zachary Neubauer <zneubauer@solarenergyworld.com>; John Stokes <jstokes@solarenergyworld.com>
Subject: RE: 5312 Aerie Court_Solar Panels_Waiver

Thanks again. This is on the way to Hank Oswald at HCHD – I've given him a heads up that it is on the way. I'll let you all know when I hear more.

Doug Tilley, P.E. (MD, DC, VA, NC, DE)
Vice President of Engineering and Surveying
O'Connell and Lawrence, Inc.
17904 Georgia Avenue, Suite 302
Olney, Maryland 20832
(301) 924-4570
www.oclinc.com

From: Tom Lampros <tlampros@solarenergyworld.com>
Sent: Monday, December 9, 2019 10:26 AM
To: Douglas Tilley <doug@oclinc.com>
Cc: Summer Crosby <scrosby@solarenergyworld.com>; Zachary Neubauer <zneubauer@solarenergyworld.com>; John Stokes <jstokes@solarenergyworld.com>
Subject: RE: 5312 Aerie Court_Solar Panels_Waiver

Thans Doug.
Carry on!

From: Douglas Tilley <doug@oclinc.com>
Sent: Monday, December 9, 2019 10:25
To: Tom Lampros <tlampros@solarenergyworld.com>
Cc: Summer Crosby <scrosby@solarenergyworld.com>; Zachary Neubauer <zneubauer@solarenergyworld.com>; John Stokes <jstokes@solarenergyworld.com>
Subject: RE: 5312 Aerie Court_Solar Panels_Waiver

Perfect. I took a screenshot of the DILP look-up website and will submit that as part of this package. That's exactly what I need.

Thanks much guys.

Doug Tilley, P.E. (MD, DC, VA, NC, DE)
Vice President of Engineering and Surveying
O'Connell and Lawrence, Inc.

17904 Georgia Avenue, Suite 302
Olney, Maryland 20832
(301) 924-4570
www.oclinc.com

From: Tom Lampros <tlampros@solarenergyworld.com>

Sent: Monday, December 9, 2019 10:22 AM

To: Douglas Tilley <doug@oclinc.com>

Cc: Summer Crosby <scrosby@solarenergyworld.com>; Zachary Neubauer <zneubauer@solarenergyworld.com>; John Stokes <jstokes@solarenergyworld.com>

Subject: RE: 5312 Aerie Court_Solar Panels_Waiver

Hi Doug,

Please reference BP application number B19004058. As Zach explains below, there is no hard copy of an application, only the online portal app.

Best regards,
Tom

From: Zachary Neubauer <zneubauer@solarenergyworld.com>

Sent: Monday, December 9, 2019 8:42

To: Tom Lampros <tlampros@solarenergyworld.com>; John Stokes <jstokes@solarenergyworld.com>

Cc: Summer Crosby <scrosby@solarenergyworld.com>

Subject: RE: 5312 Aerie Court_Solar Panels_Waiver

Tom,

I'm not sure what we're able to do here. There is no physical permit application we can send over, as all permitting is done through an online portal now. The best we can offer is the permit number, which is B19004058.

Do you have any more information on what the customer needs? Maybe I can help.

Zach Neubauer
Permitting Coordinator
SolarEnergyWorld
5681 Main St, Elkridge, MD 21075
(410) 579-5172 | Fax (410) 579-2222
www.solarenergyworld.com



SolarEnergyWorld
Because Tomorrow Matters

From: Tom Lampros <tlampros@solarenergyworld.com>

Sent: Friday, December 6, 2019 6:18 PM

To: Zachary Neubauer <zneubauer@solarenergyworld.com>; John Stokes <jstokes@solarenergyworld.com>

Cc: Summer Crosby <scrosby@solarenergyworld.com>

Subject: FW: 5312 Aerie Court_Solar Panels_Waiver

Zach, John,
Can you respond to Doug?
Thanks, Tom

From: Douglas Tilley <doug@oclinc.com>
Sent: Friday, December 6, 2019 17:08
To: Tom Lampros <tlampros@solarenergyworld.com>
Subject: RE: 5312 Aerie Court_Solar Panels_Waiver

Tom: Haven't seen the BP Application just yet. We're ready to go otherwise. Please advise as to when we should expect the app. Thanks.

Doug Tilley, P.E. (MD, DC, VA, NC, DE)
Vice President of Engineering and Surveying
O'Connell and Lawrence, Inc.
17904 Georgia Avenue, Suite 302
Olney, Maryland 20832
(301) 924-4570
www.oclinc.com

From: Tom Lampros <tlampros@solarenergyworld.com>
Sent: Tuesday, December 3, 2019 2:30 PM
To: Douglas Tilley <doug@oclinc.com>; John Stokes <jstokes@solarenergyworld.com>
Cc: Danny Polk <dpolk@solarenergyworld.com>; Jay Randell <jrandell@solarenergyworld.com>
Subject: RE: 5312 Aerie Court_Solar Panels_Waiver

Doug,

Please see the attached, signed waiver request. Let us know how that goes.

+John,
Please forward the BP App to Doug Tilley.

Thanks,
Tom

From: Tom Lampros
Sent: Tuesday, December 3, 2019 9:57
To: Douglas Tilley <doug@oclinc.com>
Cc: Danny Polk <dpolk@solarenergyworld.com>; Jay Randell <jrandell@solarenergyworld.com>
Subject: RE: 5312 Aerie Court_Solar Panels_Waiver

Hi Doug,
I'm looping in John Stokes, our permit specialist.

+John,
Please provide a Building Permit Application number for this job. The Site Plan is attached.
We will be providing a waiver request from the homeowner with the application.

Thanks all,

17904 Georgia Avenue, Suite 302
Olney, Maryland 20832
(301) 924-4570
www.oclinc.com

From: Oswald, Hank <hoswald@howardcountymd.gov>
Sent: Tuesday, November 26, 2019 7:56 AM
To: Douglas Tilley <doug@oclinc.com>
Cc: Matthew O'Dowd <Matthew.ODowd@oclinc.com>
Subject: RE: 5312 Aerie Court_Solar Panels_Waiver

Dear Mr. Tilley:

I thought your name sounded familiar. Thank you for your quick response. I discussed this project with my supervisor, Jeff Williams. He suggested that instead of revising the perc cert plan (which would require some additional perc testing to make up the area as shown on the revised perc cert plan), the homeowner could first try asking for a waiver to the percolation certification plan requirements.

The process of requesting a waiver to the perc cert plan requirements is straight forward. The homeowner must make the request in writing to the Deputy Director, Mike Davis. The letter should be accompanied by a scaled site plan showing the structures on the property, the well, the sewage disposal area (SDA), the septic system components along with the proposed location of the ground mounted solar panels. Essentially, the site plan should mimic the already approved perc cert plan plus the well/septic system plus proposed solar panels. In the letter and on the site plan we would need some sort of an acknowledgement that if the SDA is needed for a future replacement system, the solar panels would need to be temporarily removed in order to install the new system.

In the end this will be a quicker process/turnaround on building permit approval. Should you have any questions about any of this, please don't hesitate to ask.

Respectfully,

Hank

From: Douglas Tilley <doug@oclinc.com>
Sent: Monday, November 25, 2019 3:14 PM
To: Oswald, Hank <hoswald@howardcountymd.gov>
Cc: Matthew O'Dowd <Matthew.ODowd@oclinc.com>
Subject: 5312 Aerie Court

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

Hi Hank: Thanks for the voicemail from earlier today. I recall your name from working together several years ago on a project on Deer Valley Road.

This is the best email address to reach me – please feel free to email any comments or updates you have, and we can go from there. I've CCed Matt O'Dowd, who is assisting me with this project – please feel free to include him on any email correspondence.

Thanks again, and have a great holiday.

Tom

From: Douglas Tilley <doug@oclinc.com>
Sent: Tuesday, December 3, 2019 9:22
To: Tom Lampros <tlampros@solarenergyworld.com>
Cc: Danny Polk <dpolk@solarenergyworld.com>
Subject: FW: 5312 Aerie Court_Solar Panels_Waiver

Tom: Can you please make sure you send me a copy/scan of the building permit application for the panels to forward to the HCHD office when I go to submit the waiver documents? See below.

Thanks,

Doug Tilley, P.E. (MD, DC, VA, NC, DE)
Vice President of Engineering and Surveying
O'Connell and Lawrence, Inc.
17904 Georgia Avenue, Suite 302
Olney, Maryland 20832
(301) 924-4570
www.oclinc.com

From: Oswald, Hank <hoswald@howardcountymd.gov>
Sent: Tuesday, December 3, 2019 9:17 AM
To: Douglas Tilley <doug@oclinc.com>
Subject: RE: 5312 Aerie Court_Solar Panels_Waiver

No fee for the waiver request. Yes, forward the waiver request, site plan and completed BP application to our office. If its approved, then you will need to pick-up the paperwork and submit it to the Permits office.

From: Douglas Tilley <doug@oclinc.com>
Sent: Tuesday, December 03, 2019 8:25 AM
To: Oswald, Hank <hoswald@howardcountymd.gov>
Subject: RE: 5312 Aerie Court_Solar Panels_Waiver

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

Hank: After discussion w/my Client, we have decided to apply for this waiver. I have prepared the site plan and sent this information to the Owner to obtain the necessary request letter. O'C&L will handle the actual submission upon receipt of the letter.

I have two very quick questions (and one follow-up question) for you:

1. Is there a fee for this waiver submission/review? If so, what is that fee?
2. Can I route this submission directly through you?

Thank you very much for this timely suggestion, and we look forward to getting this request in HCHD's hands as soon as possible.

Doug Tilley, P.E. (MD, DC, VA, NC, DE)
Vice President of Engineering and Surveying
O'Connell and Lawrence, Inc.

Doug Tilley, P.E. (MD, DC, VA, NC, DE)
Vice President of Engineering and Surveying
O'Connell and Lawrence, Inc.
17904 Georgia Avenue, Suite 302
Olney, Maryland 20832
(301) 924-4570
www.oclinc.com

Oswald, Hank

From: Oswald, Hank
Sent: Thursday, December 12, 2019 1:09 PM
To: Tom Lampros
Cc: Summer Crosby; Zachary Neubauer; John Stokes; Douglas Tilley; Bryan Hacker
Subject: RE: 5312 Aerie Court_Solar Panels_Waiver

Hi Tom:

I received an email from Doug Tilley today who stated that the paperwork was mailed out Tuesday. I don't have it yet. Once I have it, I will review it and forward to the Deputy Director. Waiver reviews may take up to 10 days. If the waiver/site plan is approved, then you will need to submit a copy of the site plan to DILP when you apply for the building permit.

Please let me know if you have any other questions.

Thanks,

Hank

From: Tom Lampros <tlampros@solarenergyworld.com>
Sent: Thursday, December 12, 2019 10:11 AM
To: Oswald, Hank <hoswald@howardcountymd.gov>
Cc: Summer Crosby <scrosby@solarenergyworld.com>; Zachary Neubauer <zneubauer@solarenergyworld.com>; John Stokes <jstokes@solarenergyworld.com>; Douglas Tilley <doug@oclinc.com>; Bryan Hacker <bhacker@solarenergyworld.com>
Subject: RE: 5312 Aerie Court_Solar Panels_Waiver

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

Hi Hank,

You should now have the survey from O'Connell and Lawrence, and the homeowners' perc waiver request. Could you tell us how this will move forward now, so we can reach out to whatever agency will also be reviewing this Site Plan? We're hoping to get this ground mount installed by the end of the year.

Thanks very much,
Tom

From: Douglas Tilley <doug@oclinc.com>
Sent: Monday, December 9, 2019 11:09
To: Tom Lampros <tlampros@solarenergyworld.com>
Cc: Summer Crosby <scrosby@solarenergyworld.com>; Zachary Neubauer <zneubauer@solarenergyworld.com>; John Stokes <jstokes@solarenergyworld.com>
Subject: RE: 5312 Aerie Court_Solar Panels_Waiver

Thanks again. This is on the way to Hank Oswald at HCHD – I've given him a heads up that it is on the way. I'll let you all know when I hear more.

Doug Tilley, P.E. (MD, DC, VA, NC, DE)
Vice President of Engineering and Surveying
O'Connell and Lawrence, Inc.
17904 Georgia Avenue, Suite 302
Olney, Maryland 20832
(301) 924-4570
www.oclinc.com

From: Tom Lampros <tlampros@solarenergyworld.com>
Sent: Monday, December 9, 2019 10:26 AM
To: Douglas Tilley <doug@oclinc.com>
Cc: Summer Crosby <scrosby@solarenergyworld.com>; Zachary Neubauer <zneubauer@solarenergyworld.com>; John Stokes <jstokes@solarenergyworld.com>
Subject: RE: 5312 Aerie Court_Solar Panels_Waiver

Thans Doug.
Carry on!

From: Douglas Tilley <doug@oclinc.com>
Sent: Monday, December 9, 2019 10:25
To: Tom Lampros <tlampros@solarenergyworld.com>
Cc: Summer Crosby <scrosby@solarenergyworld.com>; Zachary Neubauer <zneubauer@solarenergyworld.com>; John Stokes <jstokes@solarenergyworld.com>
Subject: RE: 5312 Aerie Court_Solar Panels_Waiver

Perfect. I took a screenshot of the DILP look-up website and will submit that as part of this package. That's exactly what I need.

Thanks much guys.

Doug Tilley, P.E. (MD, DC, VA, NC, DE)
Vice President of Engineering and Surveying
O'Connell and Lawrence, Inc.
17904 Georgia Avenue, Suite 302
Olney, Maryland 20832
(301) 924-4570
www.oclinc.com

From: Tom Lampros <tlampros@solarenergyworld.com>
Sent: Monday, December 9, 2019 10:22 AM
To: Douglas Tilley <doug@oclinc.com>
Cc: Summer Crosby <scrosby@solarenergyworld.com>; Zachary Neubauer <zneubauer@solarenergyworld.com>; John Stokes <jstokes@solarenergyworld.com>
Subject: RE: 5312 Aerie Court_Solar Panels_Waiver

Hi Doug,

Please reference BP application number B19004058. As Zach explains below, there is no hard copy of an application, only the online portal app.

Best regards,
Tom

From: Zachary Neubauer <zneubauer@solarenergyworld.com>
Sent: Monday, December 9, 2019 8:42
To: Tom Lampros <tlampros@solarenergyworld.com>; John Stokes <jstokes@solarenergyworld.com>
Cc: Summer Crosby <scrosby@solarenergyworld.com>
Subject: RE: 5312 Aerie Court_Solar Panels_Waiver

Tom,

I'm not sure what we're able to do here. There is no physical permit application we can send over, as all permitting is done through an online portal now. The best we can offer is the permit number, which is B19004058.

Do you have any more information on what the customer needs? Maybe I can help.

Zach Neubauer
Permitting Coordinator
SolarEnergyWorld
5681 Main St, Elkridge, MD 21075
(410) 579-5172 | Fax (410) 579-2222
www.solarenergyworld.com



SolarEnergyWorld
Because Tomorrow Matters

From: Tom Lampros <tlampros@solarenergyworld.com>
Sent: Friday, December 6, 2019 6:18 PM
To: Zachary Neubauer <zneubauer@solarenergyworld.com>; John Stokes <jstokes@solarenergyworld.com>
Cc: Summer Crosby <scrosby@solarenergyworld.com>
Subject: FW: 5312 Aerie Court_Solar Panels_Waiver

Zach, John,
Can you respond to Doug?
Thanks, Tom

From: Douglas Tilley <doug@oclinc.com>
Sent: Friday, December 6, 2019 17:08
To: Tom Lampros <tlampros@solarenergyworld.com>
Subject: RE: 5312 Aerie Court_Solar Panels_Waiver

Tom: Haven't seen the BP Application just yet. We're ready to go otherwise. Please advise as to when we should expect the app. Thanks.

Doug Tilley, P.E. (MD, DC, VA, NC, DE)
Vice President of Engineering and Surveying
O'Connell and Lawrence, Inc.
17904 Georgia Avenue, Suite 302

Olney, Maryland 20832
(301) 924-4570
www.oclinc.com

From: Tom Lampros <tlampros@solarenergyworld.com>
Sent: Tuesday, December 3, 2019 2:30 PM
To: Douglas Tilley <doug@oclinc.com>; John Stokes <jstokes@solarenergyworld.com>
Cc: Danny Polk <dpolk@solarenergyworld.com>; Jay Randell <jrandell@solarenergyworld.com>
Subject: RE: 5312 Aerie Court_Solar Panels_Waiver

Doug,

Please see the attached, signed waiver request. Let us know how that goes.

+John,
Please forward the BP App to Doug Tilley.

Thanks,
Tom

From: Tom Lampros
Sent: Tuesday, December 3, 2019 9:57
To: Douglas Tilley <doug@oclinc.com>
Cc: Danny Polk <dpolk@solarenergyworld.com>; Jay Randell <jrandell@solarenergyworld.com>
Subject: RE: 5312 Aerie Court_Solar Panels_Waiver

Hi Doug,
I'm looping in John Stokes, our permit specialist.

+John,
Please provide a Building Permit Application number for this job. The Site Plan is attached.
We will be providing a waiver request from the homeowner with the application.

Thanks all,
Tom

From: Douglas Tilley <doug@oclinc.com>
Sent: Tuesday, December 3, 2019 9:22
To: Tom Lampros <tlampros@solarenergyworld.com>
Cc: Danny Polk <dpolk@solarenergyworld.com>
Subject: FW: 5312 Aerie Court_Solar Panels_Waiver

Tom: Can you please make sure you send me a copy/scan of the building permit application for the panels to forward to the HCHD office when I go to submit the waiver documents? See below.

Thanks,

Doug Tilley, P.E. (MD, DC, VA, NC, DE)
Vice President of Engineering and Surveying
O'Connell and Lawrence, Inc.
17904 Georgia Avenue, Suite 302

Olney, Maryland 20832
(301) 924-4570
www.oclinc.com

From: Oswald, Hank <hoswald@howardcountymd.gov>
Sent: Tuesday, December 3, 2019 9:17 AM
To: Douglas Tilley <doug@oclinc.com>
Subject: RE: 5312 Aerie Court_Solar Panels_Waiver

No fee for the waiver request. Yes, forward the waiver request, site plan and completed BP application to our office. If its approved, then you will need to pick-up the paperwork and submit it to the Permits office.

From: Douglas Tilley <doug@oclinc.com>
Sent: Tuesday, December 03, 2019 8:25 AM
To: Oswald, Hank <hoswald@howardcountymd.gov>
Subject: RE: 5312 Aerie Court_Solar Panels_Waiver

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

Hank: After discussion w/my Client, we have decided to apply for this waiver. I have prepared the site plan and sent this information to the Owner to obtain the necessary request letter. O'C&L will handle the actual submission upon receipt of the letter.

I have two very quick questions (and one follow-up question) for you:

1. Is there a fee for this waiver submission/review? If so, what is that fee?
2. Can I route this submission directly through you?

Thank you very much for this timely suggestion, and we look forward to getting this request in HCHD's hands as soon as possible.

Doug Tilley, P.E. (MD, DC, VA, NC, DE)
Vice President of Engineering and Surveying
O'Connell and Lawrence, Inc.
17904 Georgia Avenue, Suite 302
Olney, Maryland 20832
(301) 924-4570
www.oclinc.com

From: Oswald, Hank <hoswald@howardcountymd.gov>
Sent: Tuesday, November 26, 2019 7:56 AM
To: Douglas Tilley <doug@oclinc.com>
Cc: Matthew O'Dowd <Matthew.ODowd@oclinc.com>
Subject: RE: 5312 Aerie Court_Solar Panels_Waiver

Dear Mr. Tilley:

I thought your name sounded familiar. Thank you for your quick response. I discussed this project with my supervisor, Jeff Williams. He suggested that instead of revising the perc cert plan (which would require some additional perc testing to make up the area as shown on the revised perc cert plan), the homeowner could first try asking for a waiver to the percolation certification plan requirements.

The process of requesting a waiver to the perc cert plan requirements is straight forward. The homeowner must make the request in writing to the Deputy Director, Mike Davis. The letter should be accompanied by a scaled site plan showing the structures on the property, the well, the sewage disposal area (SDA), the septic system components along with the proposed location of the ground mounted solar panels. Essentially, the site plan should mimic the already approved perc cert plan plus the well/septic system plus proposed solar panels. In the letter and on the site plan we would need some sort of an acknowledgement that if the SDA is needed for a future replacement system, the solar panels would need to be temporarily removed in order to install the new system.

In the end this will be a quicker process/turnaround on building permit approval. Should you have any questions about any of this, please don't hesitate to ask.

Respectfully,

Hank

From: Douglas Tilley <doug@oclinc.com>
Sent: Monday, November 25, 2019 3:14 PM
To: Oswald, Hank <hoswald@howardcountymd.gov>
Cc: Matthew O'Dowd <Matthew.ODowd@oclinc.com>
Subject: 5312 Aerie Court

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

Hi Hank: Thanks for the voicemail from earlier today. I recall your name from working together several years ago on a project on Deer Valley Road.

This is the best email address to reach me – please feel free to email any comments or updates you have, and we can go from there. I've CCed Matt O'Dowd, who is assisting me with this project – please feel free to include him on any email correspondence.

Thanks again, and have a great holiday.

Doug Tilley, P.E. (MD, DC, VA, NC, DE)
Vice President of Engineering and Surveying
O'Connell and Lawrence, Inc.
17904 Georgia Avenue, Suite 302
Olney, Maryland 20832
(301) 924-4570
www.oclinc.com

Oswald, Hank

From: Douglas Tilley <doug@oclinc.com>
Sent: Monday, December 09, 2019 11:08 AM
To: Oswald, Hank
Subject: RE: 5312 Aerie Court_Solar Panels_Waiver

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

The request is complete, and it is on its way to you. Thank you very much.

Doug Tilley, P.E. (MD, DC, VA, NC, DE)
Vice President of Engineering and Surveying
O'Connell and Lawrence, Inc.
17904 Georgia Avenue, Suite 302
Olney, Maryland 20832
(301) 924-4570
www.oclinc.com

From: Oswald, Hank <hoswald@howardcountymd.gov>
Sent: Tuesday, December 3, 2019 9:17 AM
To: Douglas Tilley <doug@oclinc.com>
Subject: RE: 5312 Aerie Court_Solar Panels_Waiver

No fee for the waiver request. Yes, forward the waiver request, site plan and completed BP application to our office. If its approved, then you will need to pick-up the paperwork and submit it to the Permits office.

From: Douglas Tilley <doug@oclinc.com>
Sent: Tuesday, December 03, 2019 8:25 AM
To: Oswald, Hank <hoswald@howardcountymd.gov>
Subject: RE: 5312 Aerie Court_Solar Panels_Waiver

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

Hank: After discussion w/my Client, we have decided to apply for this waiver. I have prepared the site plan and sent this information to the Owner to obtain the necessary request letter. O'C&L will handle the actual submission upon receipt of the letter.

I have two very quick questions (and one follow-up question) for you:

1. Is there a fee for this waiver submission/review? If so, what is that fee?
2. Can I route this submission directly through you?

Thank you very much for this timely suggestion, and we look forward to getting this request in HCHD's hands as soon as possible.

Doug Tilley, P.E. (MD, DC, VA, NC, DE)
Vice President of Engineering and Surveying

O'Connell and Lawrence, Inc.
17904 Georgia Avenue, Suite 302
Olney, Maryland 20832
(301) 924-4570
www.oclinc.com

From: Oswald, Hank <hoswald@howardcountymd.gov>
Sent: Tuesday, November 26, 2019 7:56 AM
To: Douglas Tilley <doug@oclinc.com>
Cc: Matthew O'Dowd <Matthew.ODowd@oclinc.com>
Subject: RE: 5312 Aerie Court_Solar Panels_Waiver

Dear Mr. Tilley:

I thought your name sounded familiar. Thank you for your quick response. I discussed this project with my supervisor, Jeff Williams. He suggested that instead of revising the perc cert plan (which would require some additional perc testing to make up the area as shown on the revised perc cert plan), the homeowner could first try asking for a waiver to the percolation certification plan requirements.

The process of requesting a waiver to the perc cert plan requirements is straight forward. The homeowner must make the request in writing to the Deputy Director, Mike Davis. The letter should be accompanied by a scaled site plan showing the structures on the property, the well, the sewage disposal area (SDA), the septic system components along with the proposed location of the ground mounted solar panels. Essentially, the site plan should mimic the already approved perc cert plan plus the well/septic system plus proposed solar panels. In the letter and on the site plan we would need some sort of an acknowledgement that if the SDA is needed for a future replacement system, the solar panels would need to be temporarily removed in order to install the new system.

In the end this will be a quicker process/turnaround on building permit approval. Should you have any questions about any of this, please don't hesitate to ask.

Respectfully,

Hank

From: Douglas Tilley <doug@oclinc.com>
Sent: Monday, November 25, 2019 3:14 PM
To: Oswald, Hank <hoswald@howardcountymd.gov>
Cc: Matthew O'Dowd <Matthew.ODowd@oclinc.com>
Subject: 5312 Aerie Court

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

Hi Hank: Thanks for the voicemail from earlier today. I recall your name from working together several years ago on a project on Deer Valley Road.

This is the best email address to reach me – please feel free to email any comments or updates you have, and we can go from there. I've CCed Matt O'Dowd, who is assisting me with this project – please feel free to include him on any email correspondence.

Thanks again, and have a great holiday.

Doug Tilley, P.E. (MD, DC, VA, NC, DE)
Vice President of Engineering and Surveying
O'Connell and Lawrence, Inc.
17904 Georgia Avenue, Suite 302
Olney, Maryland 20832
(301) 924-4570
www.oclinc.com

Oswald, Hank

From: Oswald, Hank
Sent: Tuesday, November 26, 2019 7:56 AM
To: Douglas Tilley
Cc: Matthew O'Dowd
Subject: RE: 5312 Aerie Court_Solar Panels_Waiver

Dear Mr. Tilley:

I thought your name sounded familiar. Thank you for your quick response. I discussed this project with my supervisor, Jeff Williams. He suggested that instead of revising the perc cert plan (which would require some additional perc testing to make up the area as shown on the revised perc cert plan), the homeowner could first try asking for a waiver to the percolation certification plan requirements.

The process of requesting a waiver to the perc cert plan requirements is straight forward. The homeowner must make the request in writing to the Deputy Director, Mike Davis. The letter should be accompanied by a scaled site plan showing the structures on the property, the well, the sewage disposal area (SDA), the septic system components along with the proposed location of the ground mounted solar panels. Essentially, the site plan should mimic the already approved perc cert plan plus the well/septic system plus proposed solar panels. In the letter and on the site plan we would need some sort of an acknowledgement that if the SDA is needed for a future replacement system, the solar panels would need to be temporarily removed in order to install the new system.

In the end this will be a quicker process/turnaround on building permit approval. Should you have any questions about any of this, please don't hesitate to ask.

Respectfully,

Hank

From: Douglas Tilley <doug@oclinc.com>
Sent: Monday, November 25, 2019 3:14 PM
To: Oswald, Hank <hoswald@howardcountymd.gov>
Cc: Matthew O'Dowd <Matthew.ODowd@oclinc.com>
Subject: 5312 Aerie Court

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

Hi Hank: Thanks for the voicemail from earlier today. I recall your name from working together several years ago on a project on Deer Valley Road.

This is the best email address to reach me – please feel free to email any comments or updates you have, and we can go from there. I've CCed Matt O'Dowd, who is assisting me with this project – please feel free to include him on any email correspondence.

Thanks again, and have a great holiday.

Doug Tilley, P.E. (MD, DC, VA, NC, DE)

Vice President of Engineering and Surveying
O'Connell and Lawrence, Inc.
17904 Georgia Avenue, Suite 302
Olney, Maryland 20832
(301) 924-4570
www.oclinc.com

GENERAL NOTES

- PROPERTY DATA**
 LEGAL REFERENCE: LOT 6, EAGLE POINT LANDING - PLAT 7961
 LOT AREA: 8,325 SQ. FT. OR 3.371 ACRES
 TAX MAP 28 GRD 15 - TAX ACCT: 05-408431
 ZONING: RR-DEO
 WATERSHED: MIDDLE PATUXENT
 EX. WATER AND SEWER CATEGORIES: PRIVATE WATER AND SEWAGE DISPOSAL
- EXISTING SITE DATA**
 PROPERTY LINES SHOWN HEREON WERE TAKEN FROM FIELD OBSERVATIONS AND AVAILABLE RECORDS.
 THIS PLAN HAS BEEN PREPARED WITHOUT THE BENEFIT OF A TITLE EXAMINATION. TOPOGRAPHY AT A 2' INTERVAL AND EXISTING FEATURES SHOWN HEREON PER FIELD SURVEY CONDUCTED BY O'CONNELL & LAWRENCE, INC. IN NOVEMBER 2019.
 HORIZONTAL DATUM SHOWN HEREON IS PER PLAT #7961
 VERTICAL DATUM SHOWN HEREON IS NAVD 88
 THERE ARE NO STREAMS WITHIN 200' OF THE PROPERTY
 THE SITE IS FOUND TO BE IN A FLOOD ZONE X (AREA OF MINIMAL FLOOD HAZARD) OF THE NATIONAL FLOOD INSURANCE PROGRAM, PER THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP #24027C0130DF WITH EFFECTIVE DATE 11-6-2013. THERE ARE NO FLOODPLAINS, TIDAL WETLANDS, OR NON-TIDAL WETLANDS ON THE SUBJECT PROPERTY.
 EXISTING SITE USE: PRIVATE RESIDENCE
 EXISTING SITE COVERAGE: RESIDENTIAL HOME, DRIVEWAY, BASKETBALL COURT, ADDITIONAL SITE FEATURES
 PROPOSED SITE UPGRADE: SOLAR ARRAY AND ASSOCIATED ELECTRICAL CONDUIT
- UTILITIES DATA**
 UTILITIES LOCATIONS SHOWN HEREON ARE AVAILABLE PLANS AND FIELD OBSERVATIONS WHERE SURFACE INDICATIONS EXIST. DIGGING OF TEST PITS AT ALL FUTURE UTILITY CROSSINGS IS RECOMMENDED. CONTACT "MISS UTILITY" AT 1-800-257-7777, 48 HOURS PRIOR TO ANY EXCAVATION OR CONSTRUCTION.
- SOILS DATA**
 DATA SHOWN HEREON WAS OBTAINED FROM A THE NRCS WEB SOIL SURVEY FOR MONTGOMERY COUNTY, MARYLAND AND INCLUDES:
 TYPE: GGB (GLENELG LOAM, 3-8% SLOPES - SOIL TYPE "B")
 GMB (GLENVILLE SILT LOAM, 3-8% SLOPES - SOIL TYPE "C/D")
- THE PURPOSE OF THIS PLAN IS TO ADJUST THE LOCATION OF THE ON-SITE 10,000 SQ. FT. RESERVE AREA TO FACILITATE THE CONSTRUCTION OF A NEW SOLAR ARRAY AND ACCOMPANYING EQUIPMENT. THERE IS NO CODIFIED SETBACK BETWEEN AN ELECTRICAL CONDUIT/SOLAR ARRAY AND RESERVE AREA. A MINIMUM 5' SETBACK BETWEEN RESERVE AREA AND SOLAR ARRAY HAS BEEN MAINTAINED.
- THERE ARE NO MODIFICATIONS PROPOSED TO THE EXISTING 5,576.36 SQ. FT. RESERVE ARE, SEPTIC TRENCHES, SEPTIC TANKS, OR DISTRIBUTION BOX LOCATED DIRECTLY BEHIND THE EXISTING RESIDENCE.
- ALL PERCOLATION TESTING IS PER RECORDS RECEIVED. TESTING WAS CONDUCTED IN 2012. TEST RESULTS/DEPTHS ARE SUMMARIZED IN THE PERCOLATION TABLE, ON THIS SHEET.
- OFF-SITE RESERVE AREA LOCATIONS SHOWN PER APPROVED PERCOLATION CERTIFICATION PLAN A#537379, PREPARED BY BENCHMARK ENGINEERING, INC. APPROVED AUGUST 2, 2012. WELLS SHOWN PER O'C&L FIELD SURVEY.

PERCOLATION CERTIFICATION NOTES

- THIS AREA DESIGNATES A PRIVATE SEWAGE DISPOSAL AREA OF AT LEAST 10,000 SQ. FT. AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED. THIS SEWAGE DISPOSAL AREA SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A REVISED SEWAGE EASEMENT SHALL NOT BE NECESSARY.
- ANY CHANGES TO PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
- THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT.
- THE TOPOGRAPHY OF THIS PLAT IS TAKEN FROM A FIELD RUN SURVEY BY O'CONNELL & LAWRENCE, INC. PERFORMED IN NOVEMBER 2019 AND IS VERIFIED TO ACCURATELY REPRESENT THE RELATIVE CHANGES ON THE SUBJECT PROPERTY.
- ALL WELLS AND SEPTIC SYSTEMS LOCATED WITHIN 100' OF THE BOUNDARIES AND 200' DOWN GRADIENT OF ANY WELLS AND/OR SEPTIC SYSTEMS HAVE BEEN SHOWN.
- THE PURPOSE OF THIS PLAN IS TO ADJUST THE LOCATION (PREVIOUSLY APPROVED ON PERCOLATION CERTIFICATION PLAN A#537379) OF THE REQUIRED 10,000 SQ. FT. PRIVATE SEWAGE EASEMENT AS REQUIRED BY THE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL TO ALLOW FOR THE CONSTRUCTION OF A NEW SOLAR ARRAY AND TO MOVE THE RESERVE AREA ON LOT 6 OUT OF THE 100' WELL RADIUS FOR THE WELLS ON LOT 5.

AMENDMENT TO PERCOLATION CERTIFICATION PLAN
SCALE: 1" = 30'



EXISTING CONDITIONS LEGEND
THESE STANDARD SYMBOLS WILL BE FOUND IN THE DRAWING

- | | | |
|-----------------------------------|------------------------------------|--|
| WELL | PROPERTY LINE | BRICK |
| EX. WELL | EXISTING CONTOUR | CONCRETE |
| PASSING TEST LOCATION (SEE TABLE) | EX. METAL FENCE | PAVER PATIO |
| | EX. SOIL DIVIDE | EX. ASPHALT DRIVEWAY TO REMAIN |
| | PROP. ELEC. CONDUIT (APPROX. LOC.) | EX. SEPTIC RESERVE AREA (MIN. 10,000 SF) |
| | | PROP. SEPTIC RESERVE AREA (MIN. 10,000 SF) |

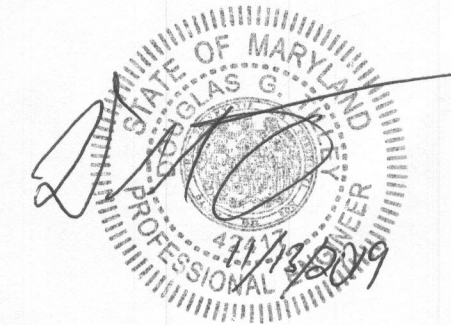
PERCOLATION TEST INFORMATION				
	LOCATION	DATE	TEST DEPTHS	TEST ELEVATION
5,576.36 SF RESERVE AREA	2	7/18/2012	5' 6" / 15'	575.0 ±
	1	7/18/2012	15'	573.0 ±
10,000 SF RESERVE AREA	2	7/18/2012	6' 6" / 15'	573.0 ±
	1	7/18/2012	6' 4" / 14' 6"	578.0 ±
	3	7/18/2012	6' 4" / 14'	573.0 ±
	4	7/18/2012	6' 6" / 14'	567.0 ±

DESIGN/PROFESSIONAL CERTIFICATION

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

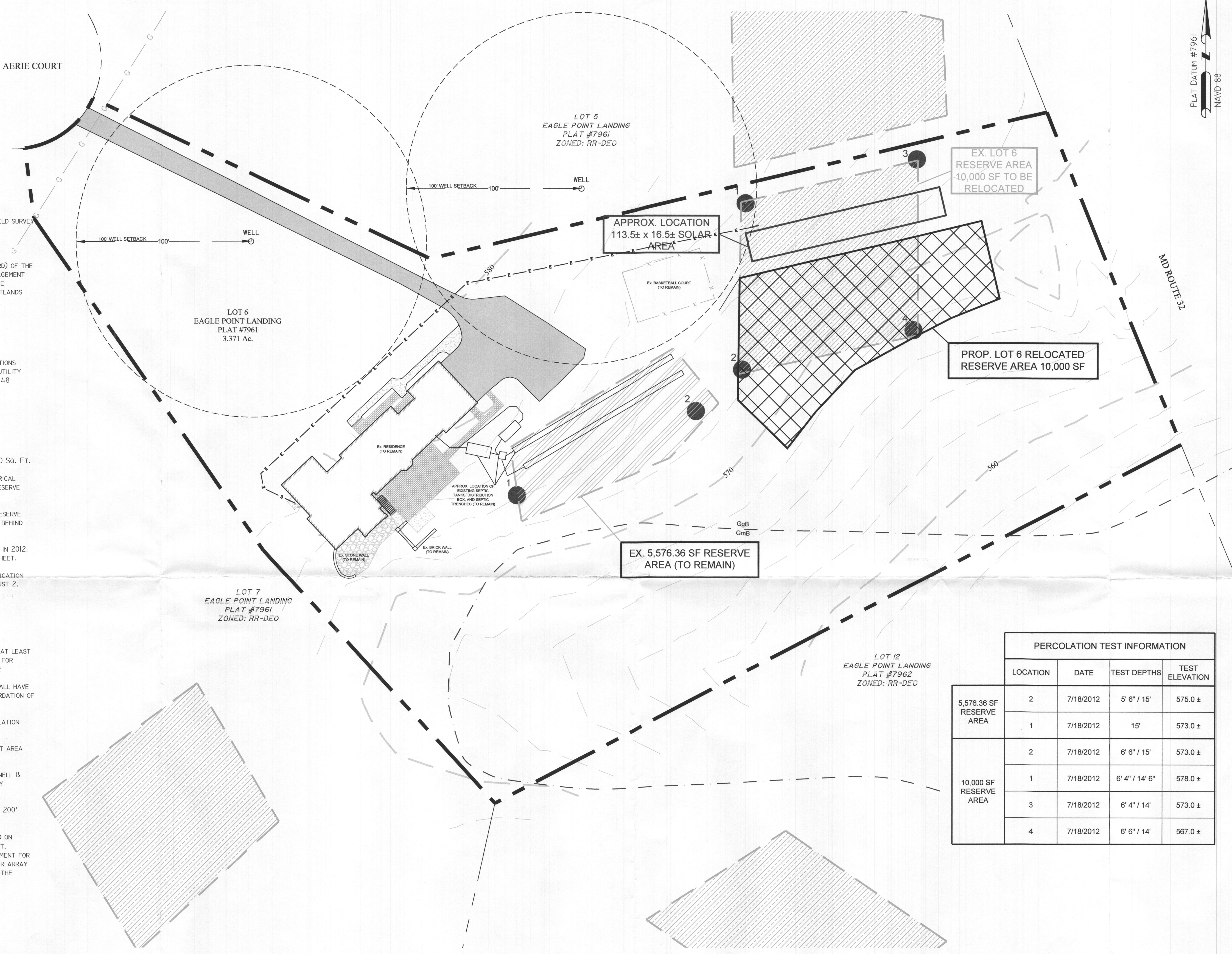
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 142417, EXPIRATION DATE: JUNE 6, 2020.

DGT
 DESIGN ENGINEER SIGNATURE
 DOUGLAS G. TILLEY
 PRINTED NAME
 42417
 MD LICENSE #
 11/13/2019
 DATE



APPROVED FOR PRIVATE WATER AND SEWERAGE SYSTEMS
 HEALTH OFFICER, HOWARD COUNTY HEALTH DEPT. DATE

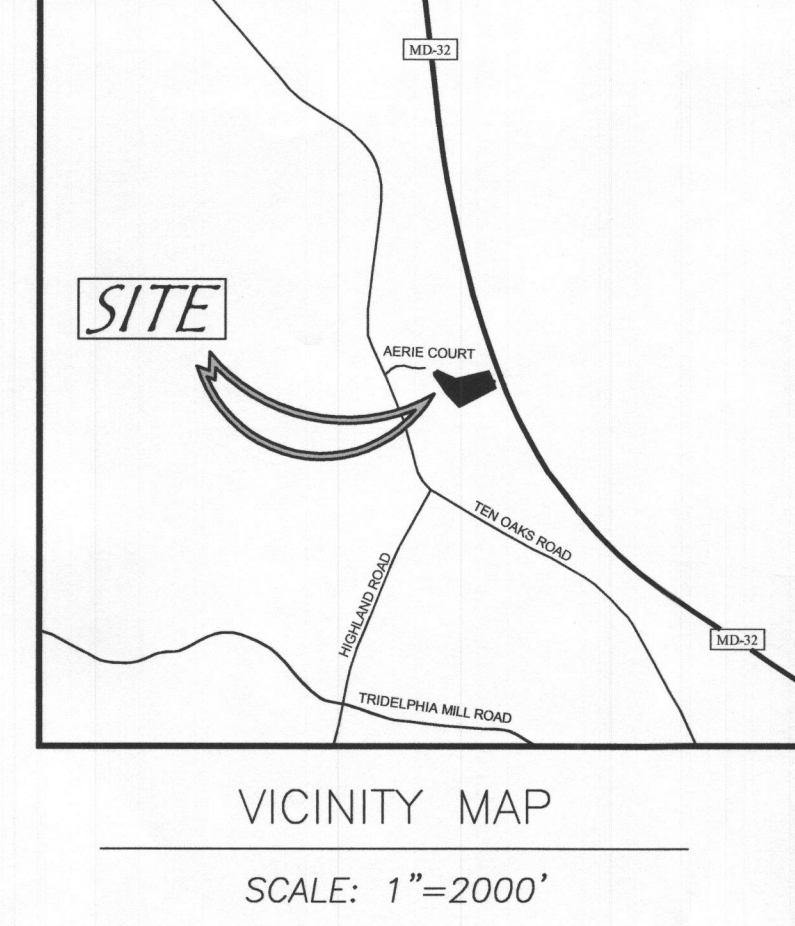
DESIGN BY:	MBO
DRAWN BY:	GH
CHECKED BY:	DGT
DATE:	11/12/19
SCALE:	1" = 30'
PROJECT FILE NO.:	019-028
SHEET NO.:	1 of 1



OWNER:
 CHARLES W. SCOT JR.
 5312 AERIE COURT
 CLARKSVILLE, MD 21029
 PHONE: (410) 531-5986

ENGINEER:
 O'CONNELL & LAWRENCE, INC.
 17904 GEORGIA AVENUE, SUITE 302
 OLNEY, MARYLAND 20832
 CONTACT: DOUG TILLEY, P.E.
 PHONE: (301) 924-4570

APPLICANT/SOLAR DESIGNER:
 SOLAR ENERGY WORLD.
 5681 MAIN STREET
 ELKCRIDGE, M 21075
 CONTACT: TOM LAMPROS
 PHONE: (888) 497-3233



O'C&L
 Construction Consultants,
 Engineers, Surveyors
 17904 Georgia Avenue, Suite 302
 Olney, Maryland 20832
 Tel: (301) 924-4570
 Fax: (301) 924-5872

**LOT 6
 EAGLE POINT LANDING
 5312 AERIE COURT**
 TAX MAP #7961 GRD 15
 5TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

**AMENDMENT TO
 PERCOLATION
 CERTIFICATION PLAN**

November 14, 2019

To Whom It May Concern
Howard County Health Department
Well and Septic Program
8930 Stanford Blvd
Columbia, MD 21045

Re: Aerie Court
Proposed Amendment to Percolation Certification Plan
5312 Aerie Court Clarksville, MD 21029
O'C&L Job #019-028

Dear Sir or Madam:

O'C&L is pleased to submit the attached copies of an Amendment to a Percolation Certification Plan for the property located at 5312 Aerie Court. The subject property is 3.371 acres and contains an existing single family residence, patio, driveway, septic system, and basketball court. There are two approved reserve areas on the subject property. The reserve areas were approved as part of Percolation Certification Plan #537379, a copy of which is included with this submittal package.

The purpose of this project is to facilitate the relocation of the existing 10,000 Sq. Ft. septic reserve area to allow for the installation of an on-site solar array and accompanying equipment. There is no codified setback between an electrical conduit or solar array to a reserve area. O'C&L has maintained a minimum 5' between the proposed reserve area and solar array/equipment. There will be no modifications to the existing 5,576.36 Sq. Ft. reserve area, septic trenches, septic tanks, or distribution box located behind the existing house. O'C&L believes that the relocated reserve area is supported by existing testing.

If additional information is required, feel free to contact our office. Please let me know if you have any questions or require additional information. I can be reached at (301) 924-4570 or at doug@oclinc.com. Thank you very much.

Very Truly Yours,
O'Connell & Lawrence, Inc.



Douglas G. Tilley, P.E.
Vice President of Engineering and Surveying

Transmittal

O'Connell & Lawrence, Inc.

Corporate Office:
 17904 Georgia Avenue, Suite 302
 Olney, MD 20832-2239
 1-301-924-4570
 Fax 1-301-924-5872

To: Howard County Health Department
Well and Septic Program
8930 Stanford Blvd
Columbia, MD 21045

Date: 11/14/2019

Attn: To whom it May Concern

Phone: (410) 313-6300

We are sending you via:

Courier

Mail

FedEx

Other

Job Number: 019-028 BG: REIM

Job Name: 5312 Aerie Court
Amendment to Percolation Certification Plan

SERVICE TYPE

DESCRIPTION

# of Copies	Original, Blueline Mylar, Diskette	Description
4	Original	Amendment to Percolation Certification Plan
1	Original	Letter
1	Copy	Approved Percolation Certification Plan #537379
1	Copy	Previous Percolation Testing Information

Submitted:

For approval

For review

For your action

For your use

For your files

For bids due : _____

As requested

For your information

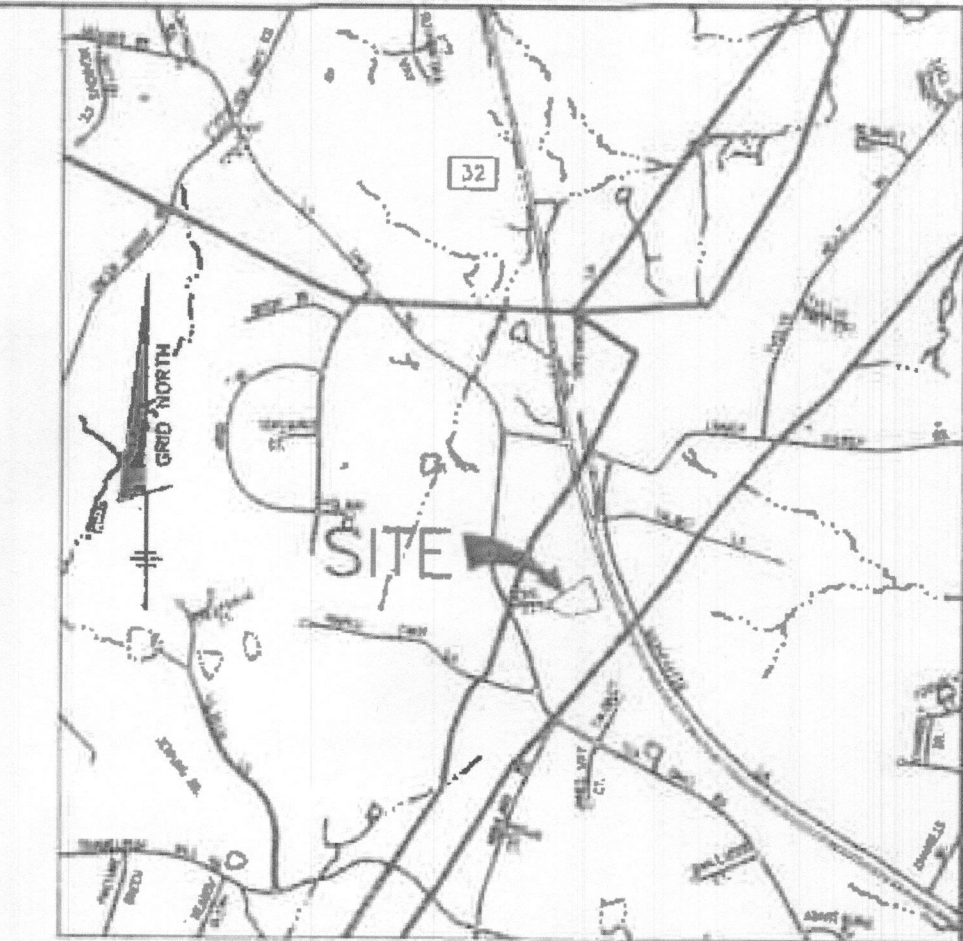
Remarks: Please find four (4) copies of a proposed amendment to a Percolation Certification Plan for the property labeled 5312 Aerie Court. The proposed amendment is required to facilitate the construction of a grade level solar array. Please feel free to contact us with any questions. Thank you very much.

Copy to: file

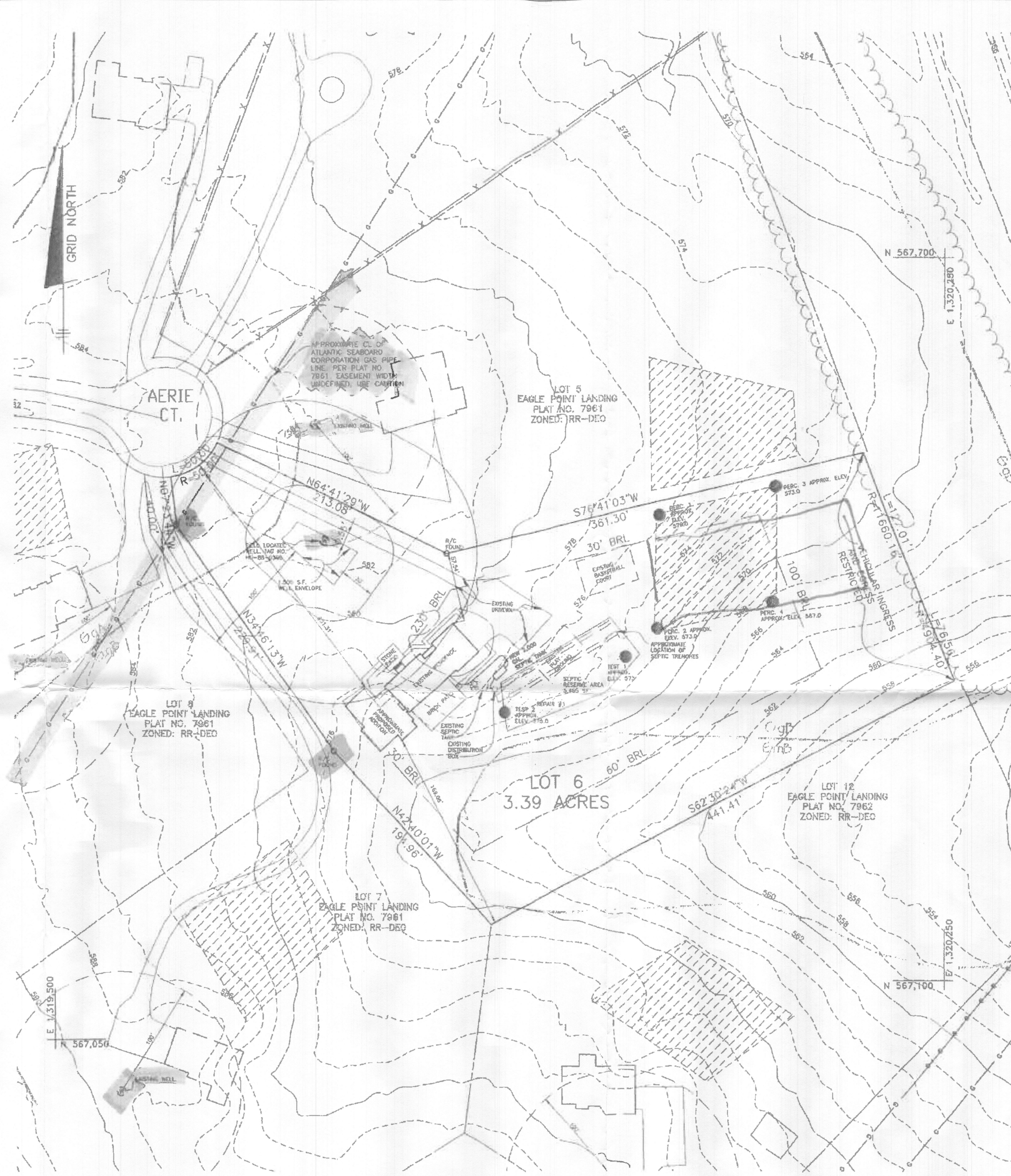
Sent by: Douglas G. Tilley, P.E.

GENERAL NOTES

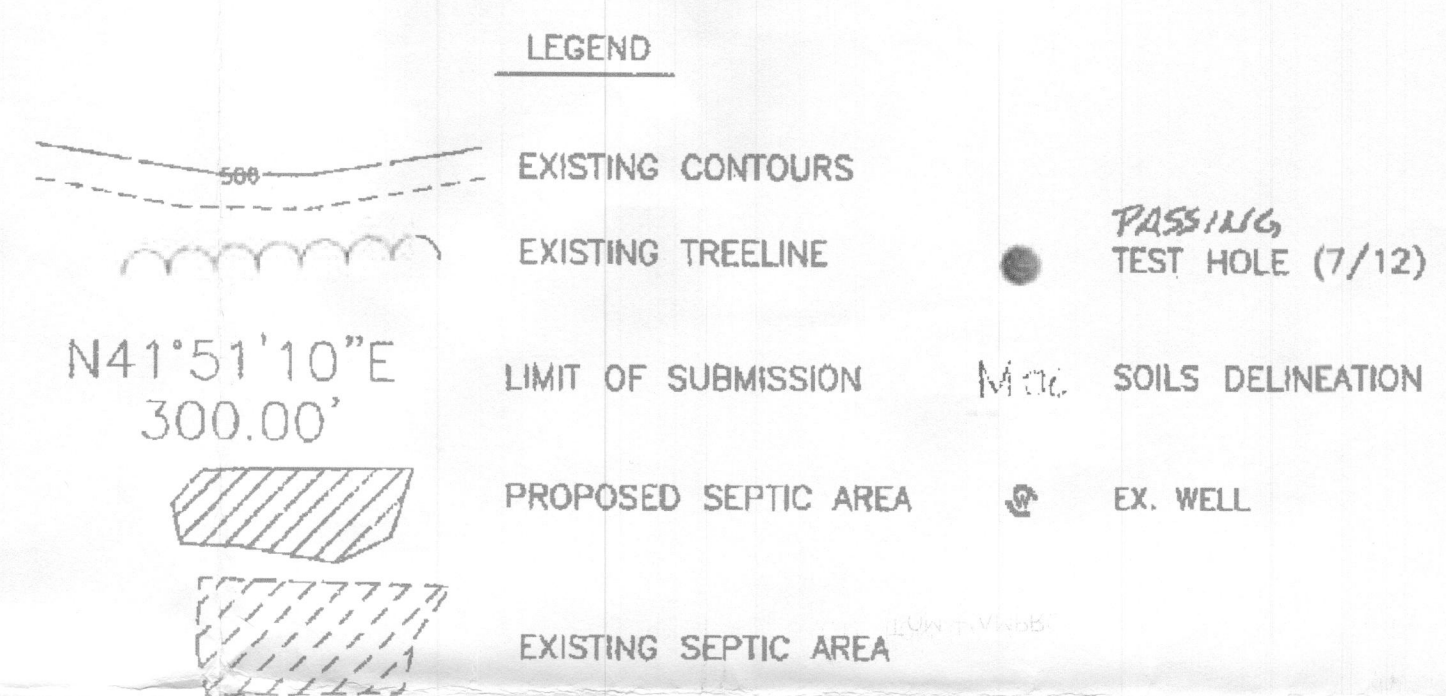
- THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY THE STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA IS RESTRICTED UNTIL PUBLIC SEWER IS AVAILABLE. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWERAGE EASEMENT. REGISTRATION OF A MODIFIED SEWERAGE EASEMENT PLAT SHALL NOT BE NECESSARY.
- THE EXISTING WELL, TAG NO. HO-88-0309, SHOWN ON THIS PLAN HAS BEEN FIELD LOCATED BY BENCHMARK ENGINEERING, INC. ON OR ABOUT JUNE, 2012, AND IS ACCURATELY SHOWN.
- THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA PER PLAT 7961 AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
- ANY CHANGES TO THE PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
- THERE ARE NO EXISTING WELLS OR SEPTIC SYSTEMS WITHIN 100' OF THE PROPERTY'S BOUNDARIES EXCEPT THAT WHICH ARE SHOWN.
- EXACT LENGTH OF SEPTIC TRENCHES IS TO BE DETERMINED BY THE HEALTH DEPARTMENT AT THE TIME OF TRENCH LAYOUT AND INSPECTION.
- TOPOGRAPHY SHOWN ON THIS LOT IS PER HOWARD COUNTY GIS.
- STORMWATER MANAGEMENT FOR THIS ADDITION IS NOT REQUIRED AS DISTURBANCE WILL REMAIN UNDER 5,000 SQUARE FEET.
- PER PLAT NO. 7961 THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- THE AREA BELOW TESTS 1 AND 2 IS FOR THE INITIAL REPAIR OF THIS SYSTEM, OTHER FUTURE REPAIRS WILL TAKE PLACE IN THE PLATTED SEPTIC RESERVE AREA.
- THE EXISTING SEPTIC TANK WILL NEED TO BE REPLACED. A NEW 2,000 GALLON, TWO COMPARTMENT, TOP SEAM TANK WILL BE REQUIRED AT THE LOCATION SHOWN ON THE BUILDING PERMIT PLAN AND/OR MADE A CONDITION OF THE PERMIT ISSUANCE.



VICINITY MAP
SCALE: 1" = 2000'



PLAN
SCALE: 1" = 50'



NOTE: OWNER AND CONTRACTOR SHALL CONTACT ATLANTIC SEABOARD, OR CURRENT MANAGING ENTITY, FOR REQUIREMENTS FOR CROSSING EASEMENT AREA AND ALSO TO USE CAUTION WHEN WORKING IN THE AREA OF THE UTILITY.

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.

John Carney 7.20.12
PLAN PREPARER
JOHN CARNEY
FOR BENCHMARK ENGINEERING, INC.

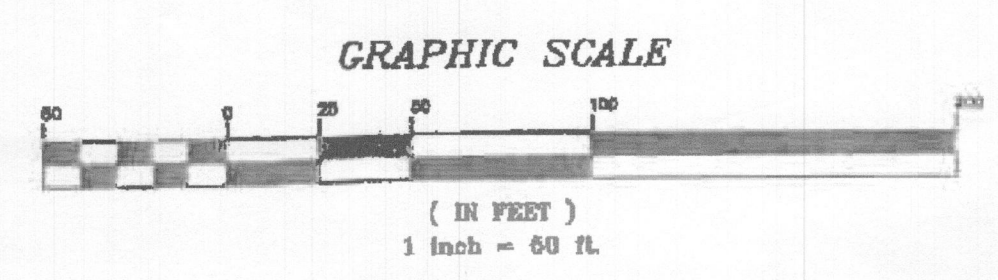
APPROVED FOR PRIVATE WATER AND SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT

William Peter Bieleman 8/1/2012
HOWARD COUNTY HEALTH OFFICER
DATE

BENCHMARK
ENGINEERS & LAND SURVEYORS & PLANNERS
ENGINEERING, INC.
6480 BALTIMORE NATIONAL PIKE & SUITE 418
ELICOTT CITY, MARYLAND 21043
PHONE: 410-465-6105 & FAX: 410-465-6644
WWW.BE-CALENGINEERING.COM

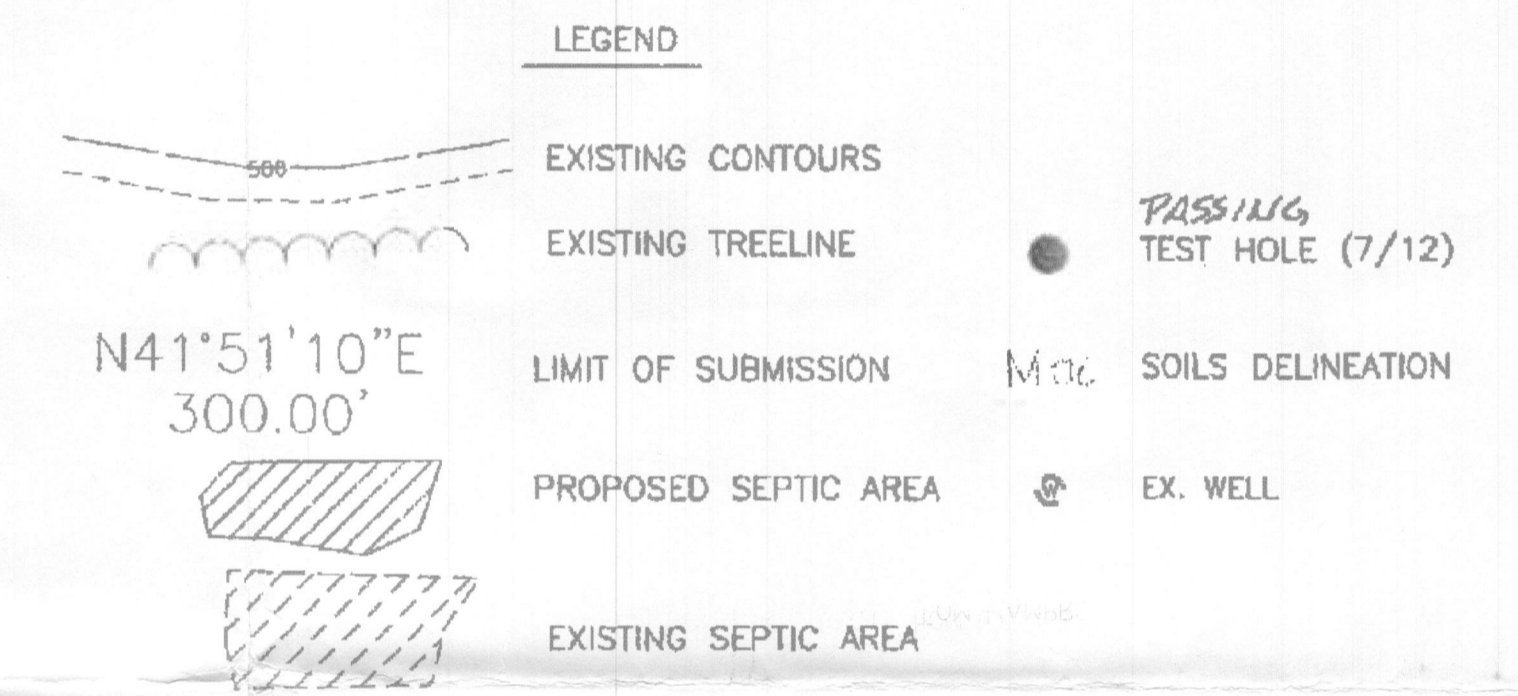
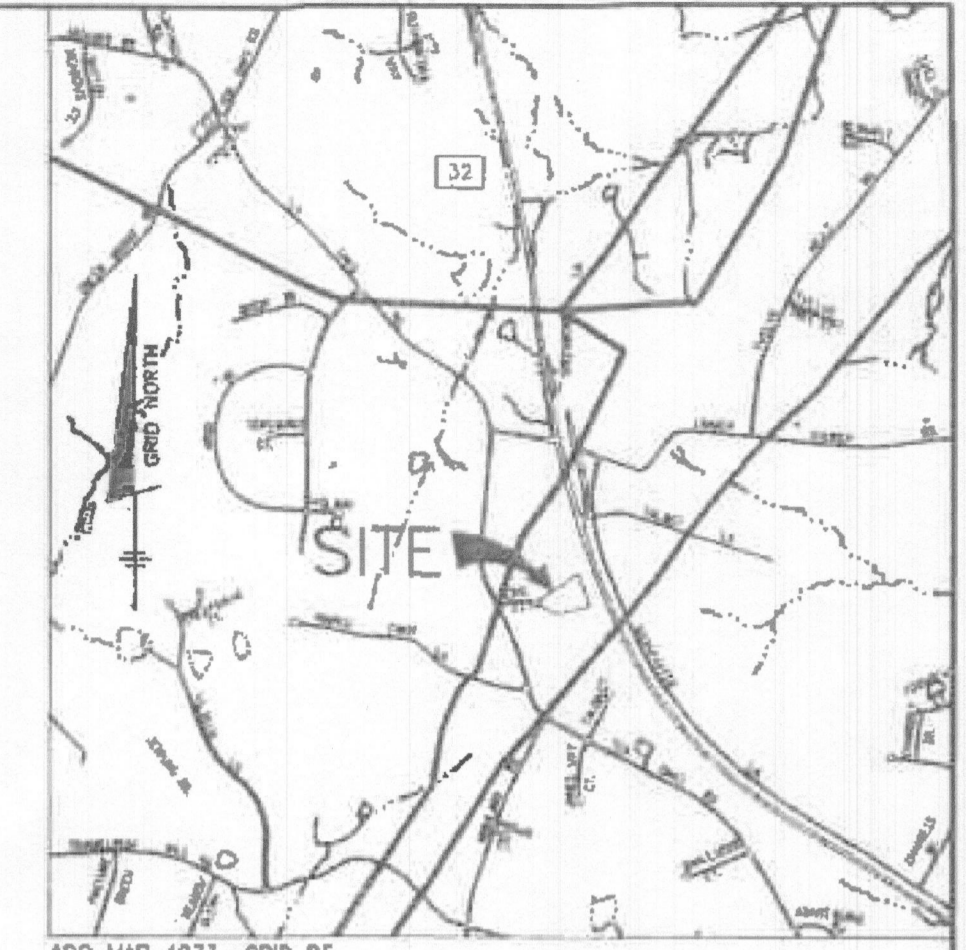
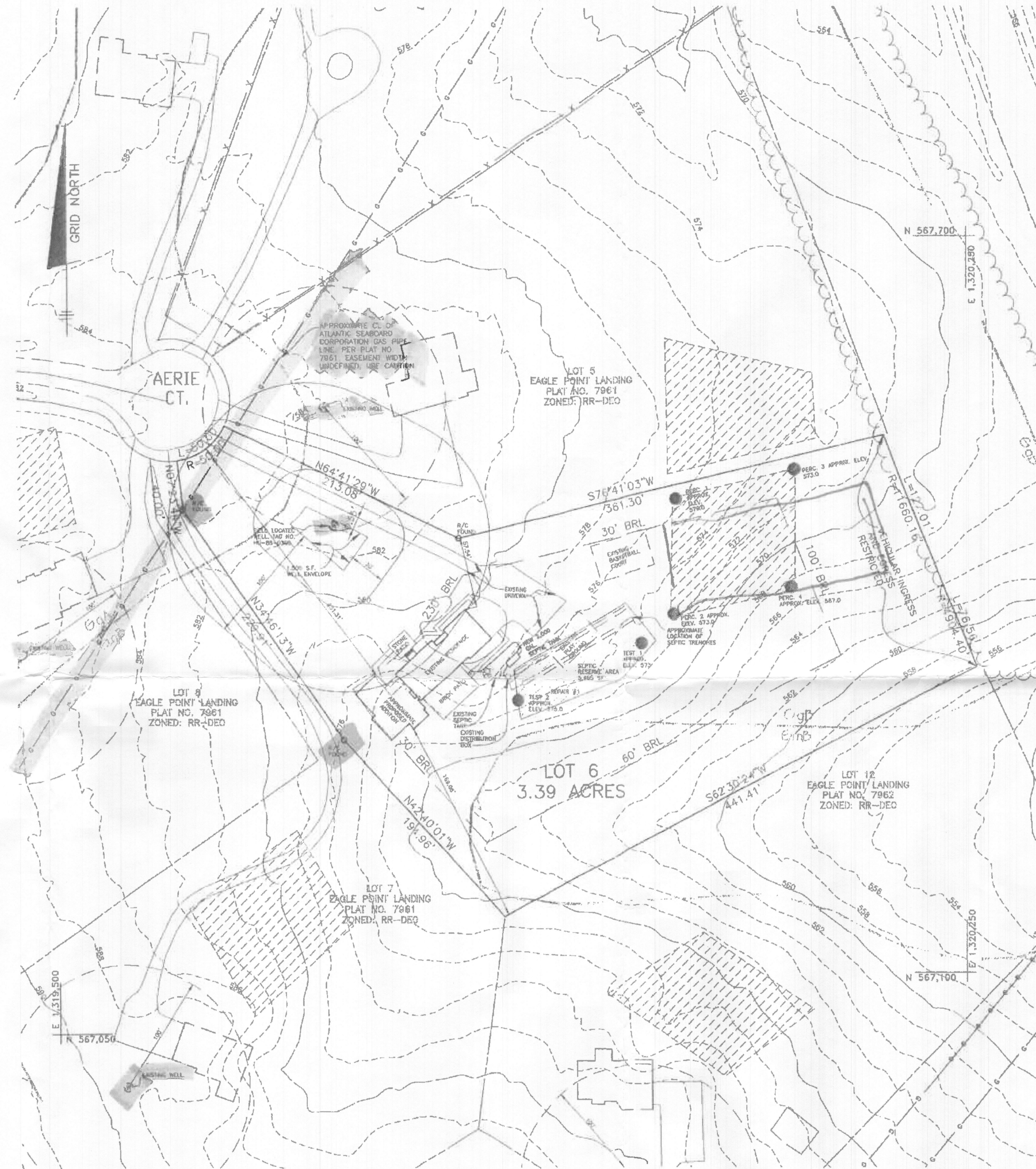
OWNER: CHARLES W. SCOTT JR. 5312 AERIE COURT CLARKSVILLE, MARYLAND 21029-1103 410-531-5986		EAGLE POINT LANDING LOT 6	
LOCATION: TAX MAP: 28, GRID: 15 PARCEL: 388 ELECTION DISTRICT NO. 5 HOWARD COUNTY, MARYLAND		TITLE: PERCOLATION CERTIFICATION PLAN A#537379	
DESIGN: JC	DRAFT: EDD	CHECK: JC	SCALE: 1" = 50'
DATE: JULY, 2012		SHEET 1 OF 1	

SYMBOL	HYDRIC	HYDROLOGIC GROUP	ALTERNATE GROUP	NAME
G ₁ A		B		GLENELG LOAM, 0 TO 3 PERCENT SLOPES
G ₁ B		B		GLENELG LOAM, 3 TO 8 PERCENT SLOPES
G ₁ C	YES	C		GLENVILLE SILT LOAM 3 TO 8 PERCENT SLOPES
U ₁ F				UDORTHERTS, HIGHWAY, 0 TO 85 PERCENT



GENERAL NOTES

- THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY THE STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA IS RESTRICTED UNTIL PUBLIC SEWER IS AVAILABLE. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT PLAT SHALL NOT BE NECESSARY.
- THE EXISTING WELL, TAG NO. HD-88-0308, SHOWN ON THIS PLAN HAS BEEN FIELD LOCATED BY BENCHMARK ENGINEERING, INC., ON OR ABOUT JUNE, 2012, AND IS ACCURATELY SHOWN.
- THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA PER PLAT 7961 AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
- ANY CHANGES TO THE PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
- THERE ARE NO EXISTING WELLS OR SEPTIC SYSTEMS WITHIN 100' OF THE PROPERTY'S BOUNDARIES EXCEPT THAT WHICH ARE SHOWN.
- EXACT LENGTH OF SEPTIC TRENCHES IS TO BE DETERMINED BY THE HEALTH DEPARTMENT AT THE TIME OF TRENCH LAYOUT AND INSPECTION.
- TOPOGRAPHY SHOWN ON THIS LOT IS PER HOWARD COUNTY GIS.
- STORMWATER MANAGEMENT FOR THIS ADDITION IS NOT REQUIRED AS DISTURBANCE WILL REMAIN UNDER 5,000 SQUARE FEET.
- PER PLAT NO. 7961 THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- THE AREA BELOW TESTS 1 AND 2 IS FOR THE INITIAL REPAIR OF THIS SYSTEM. OTHER FUTURE REPAIRS WILL TAKE PLACE IN THE PLATTED SEPTIC RESERVE AREA.
- THE EXISTING SEPTIC TANK WILL NEED TO BE REPLACED. A NEW 2,000 GALLON, TWO COMPARTMENT, TOP SCAM TANK WILL BE REQUIRED AT THE LOCATION SHOWN ON THE BUILDING PERMIT PLAN AND/OR MADE A CONDITION OF THE PERMIT ISSUANCE.



NOTE: OWNER AND CONTRACTOR SHALL CONTACT ATLANTIC SEABOARD, OR CURRENT MANAGING ENTITY, FOR REQUIREMENTS FOR CROSSING EASEMENT AREA AND ALSO TO USE CAUTION WHEN WORKING IN THE AREA OF THE UTILITY.

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.

John Carney 7.20.12
 PLAN PREPARER
 JOHN CARNEY
 FOR BENCHMARK ENGINEERING, INC.

APPROVED FOR PRIVATE WATER AND SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
Peter Beilenson 8/12/12
 HOWARD COUNTY HEALTH OFFICER *HS* DATE

BENCHMARK
 ENGINEERS & LAND SURVEYORS & PLANNERS
ENGINEERING, INC.
 8480 BALTIMORE NATIONAL PIKE & SUITE 418
 ELICOTT CITY, MARYLAND 21043
 phone: 410-465-6105 & fax: 410-465-6544
 WWW.BE3-CIVILENGINEERING.COM

OWNER:
 CHARLES W. SCOTT JR.
 5312 AERIE COURT
 CLARKSVILLE, MARYLAND
 21029-1103
 410-531-5986

EAGLE POINT LANDING LOT 6

LOCATION: TAX MAP: 28, GRID: 15
 PARCEL: 388
 ELECTION DISTRICT NO. 5
 HOWARD COUNTY, MARYLAND

TITLE:
PERCOLATION CERTIFICATION PLAN
#537379

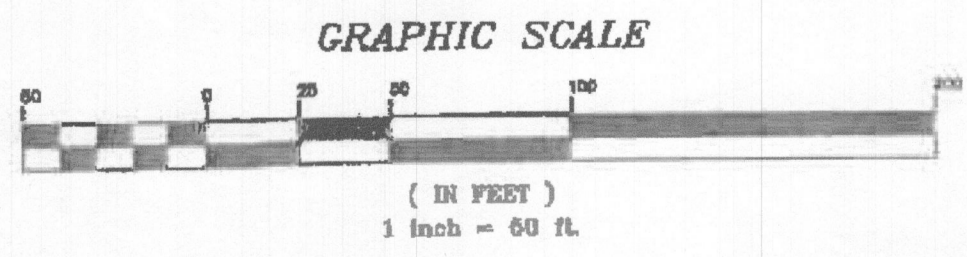
DATE: JULY, 2012 BEI PROJ. NO. 2505

DESIGN: JC DRAFT: EDD CHECK: JC SCALE: 1" = 50' SHEET 1 OF 1

PLAN
 SCALE: 1" = 50'

SOILS CHART - SOIL SURVEY HOWARD COUNTY, MARYLAND PAGE

SYMBOL	HYDRIC	HYDROLOGIC GROUP	ALTERNATE GROUP	NAME
G ₂ A		B		GLENELG LOAM 0 TO 3 PERCENT SLOPES
G ₂ B		B		GLENELG LOAM 3 TO 8 PERCENT SLOPES
G ₂ m*	YES	C		GLENVILLE SILT LOAM 3 TO 8 PERCENT SLOPES
U ₂ F				UDORHENTS, HIGHWAY, 0 TO 85 PERCENT



GENERAL NOTES

- PROPERTY DATA**
LEGAL REFERENCE: LOT 6, EAGLE POINT LANDING - PLAT 7961
LOT AREA: 8,325 SQ. FT. OR 3.371 ACRES
TAX MAP 28 GRD 15 - TAX ACCT: 05-408431
ZONING: RR-DEO
WATERSHED: MIDDLE PATUXENT
EX. WATER AND SEWER CATEGORIES: PRIVATE WATER AND SEWAGE DISPOSAL
- EXISTING SITE DATA**
PROPERTY LINES SHOWN HEREON WERE TAKEN FROM FIELD OBSERVATIONS AND AVAILABLE RECORDS
THIS PLAN HAS BEEN PREPARED WITHOUT THE BENEFIT OF A TITLE EXAMINATION. TOPOGRAPHY AT A 2' INTERVAL AND EXISTING FEATURES SHOWN HEREON PER FIELD SURVEY CONDUCTED BY O'CONNELL & LAWRENCE, INC. IN NOVEMBER 2019
HORIZONTAL DATUM SHOWN HEREON IS PER PLAT #7961
VERTICAL DATUM SHOWN HEREON IS NAVD 88
THERE ARE NO STREAMS WITHIN 200' OF THE PROPERTY
THE SITE IS FOUND TO BE IN A FLOOD ZONE X (AREA OF MINIMAL FLOOD HAZARD) OF THE NATIONAL FLOOD INSURANCE PROGRAM, PER THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP #24027C01300DF WITH EFFECTIVE DATE 11-6-2013. THERE ARE NO FLOODPLAINS, TIDAL WETLANDS, OR NON-TIDAL WETLANDS ON THE SUBJECT PROPERTY
EXISTING SITE USE: PRIVATE RESIDENCE
EXISTING SITE COVERAGE: RESIDENTIAL HOME, DRIVEWAY, BASKETBALL COURT, ADDITIONAL SITE FEATURES
PROPOSED SITE UPGRADE: SOLAR ARRAY AND ASSOCIATED ELECTRICAL CONDUIT
- UTILITIES DATA**
UTILITIES LOCATIONS SHOWN HEREON ARE AVAILABLE PLANS AND FIELD OBSERVATIONS WHERE SURFACE INDICATIONS EXIST. DIGGING OF TEST PITS AT ALL FUTURE UTILITY CROSSINGS IS RECOMMENDED. CONTACT "MISS UTILITY" AT 1-800-257-7777, 48 HOURS PRIOR TO ANY EXCAVATION OR CONSTRUCTION.
- SOILS DATA**
DATA SHOWN HEREON WAS OBTAINED FROM A THE NRCS WEB SOIL SURVEY FOR MONTGOMERY COUNTY, MARYLAND AND INCLUDES:
TYPE: GGB (GLENELG LOAM, 3-8% SLOPES - SOIL TYPE "B")
GMB (GLENVILLE SILT LOAM, 3-8% SLOPES - SOIL TYPE "C/D")
- THE PURPOSE OF THIS PLAN IS TO ADJUST THE LOCATION OF THE ON-SITE 10,000 SQ. FT. RESERVE AREA TO FACILITATE THE CONSTRUCTION OF A NEW SOLAR ARRAY AND ACCOMPANYING EQUIPMENT. THERE IS NO CODIFIED SETBACK BETWEEN AN ELECTRICAL CONDUIT/SOLAR ARRAY AND RESERVE AREA. A MINIMUM 5' SETBACK BETWEEN RESERVE AREA AND SOLAR ARRAY HAS BEEN MAINTAINED.
- THERE ARE NO MODIFICATIONS PROPOSED TO THE EXISTING 5,576.36 SQ. FT. RESERVE AREA, SEPTIC TRENCHES, SEPTIC TANKS, OR DISTRIBUTION BOX LOCATED DIRECTLY BEHIND THE EXISTING RESIDENCE.
- ALL PERCOLATION TESTING IS PER RECORDS RECEIVED. TESTING WAS CONDUCTED IN 2012. TEST RESULTS/DEPTHS ARE SUMMARIZED IN THE PERCOLATION TABLE, ON THIS SHEET.
- OFF-SITE RESERVE AREA LOCATIONS SHOWN PER APPROVED PERCOLATION CERTIFICATION PLAN A#537379, PREPARED BY BENCHMARK ENGINEERING, INC. APPROVED AUGUST 2, 2012. WELLS SHOWN PER O'C&L FIELD SURVEY.

PERCOLATION CERTIFICATION NOTES

- THIS AREA DESIGNATES A PRIVATE SEWAGE DISPOSAL AREA OF AT LEAST 10,000 SQ. FT. AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED. THIS SEWAGE DISPOSAL AREA SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A REVISED SEWAGE EASEMENT SHALL NOT BE NECESSARY.
- ANY CHANGES TO PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
- THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT.
- THE TOPOGRAPHY OF THIS PLAT IS TAKEN FROM A FIELD RUN SURVEY BY O'CONNELL & LAWRENCE, INC. PERFORMED IN NOVEMBER 2019 AND IS VERIFIED TO ACCURATELY REPRESENT THE RELATIVE CHANGES ON THE SUBJECT PROPERTY.
- ALL WELLS AND SEPTIC SYSTEMS LOCATED WITHIN 100' OF THE BOUNDARIES AND 200' DOWN GRADIENT OF ANY WELLS AND/OR SEPTIC SYSTEMS HAVE BEEN SHOWN.
- THE PURPOSE OF THIS PLAN IS TO ADJUST THE LOCATION (PREVIOUSLY APPROVED ON PERCOLATION CERTIFICATION PLAN A#537379) OF THE REQUIRED 10,000 SQ. FT. PRIVATE SEWAGE EASEMENT AS REQUIRED BY THE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL TO ALLOW FOR THE CONSTRUCTION OF A NEW SOLAR ARRAY AND TO MOVE THE RESERVE AREA ON LOT 6 OUT OF THE 100' WELL RADIUS FOR THE WELLS ON LOT 5.

AMENDMENT TO PERCOLATION CERTIFICATION PLAN
SCALE: 1" = 30'



WELL
EX. WELL
PASSING TEST LOCATION (SEE TABLE)

EXISTING CONDITIONS LEGEND
THESE STANDARD SYMBOLS WILL BE FOUND IN THE DRAWING

- PROPERTY LINE
- - - 350 - - - EXISTING CONTOUR
- X - EX. METAL FENCE
- - - 2' 20C - EX. SOIL DIVIDE
- - - PROP. ELEC. CONDUIT (APPROX. LOC.)
- BRICK
- CONCRETE
- PAVER PATIO
- EX. ASPHALT DRIVEWAY TO REMAIN
- EX. SEPTIC RESERVE AREA (MIN. 10,000 SF)
- PROP. SEPTIC RESERVE AREA (MIN. 10,000 SF)

DESIGN/PROFESSIONAL CERTIFICATION

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

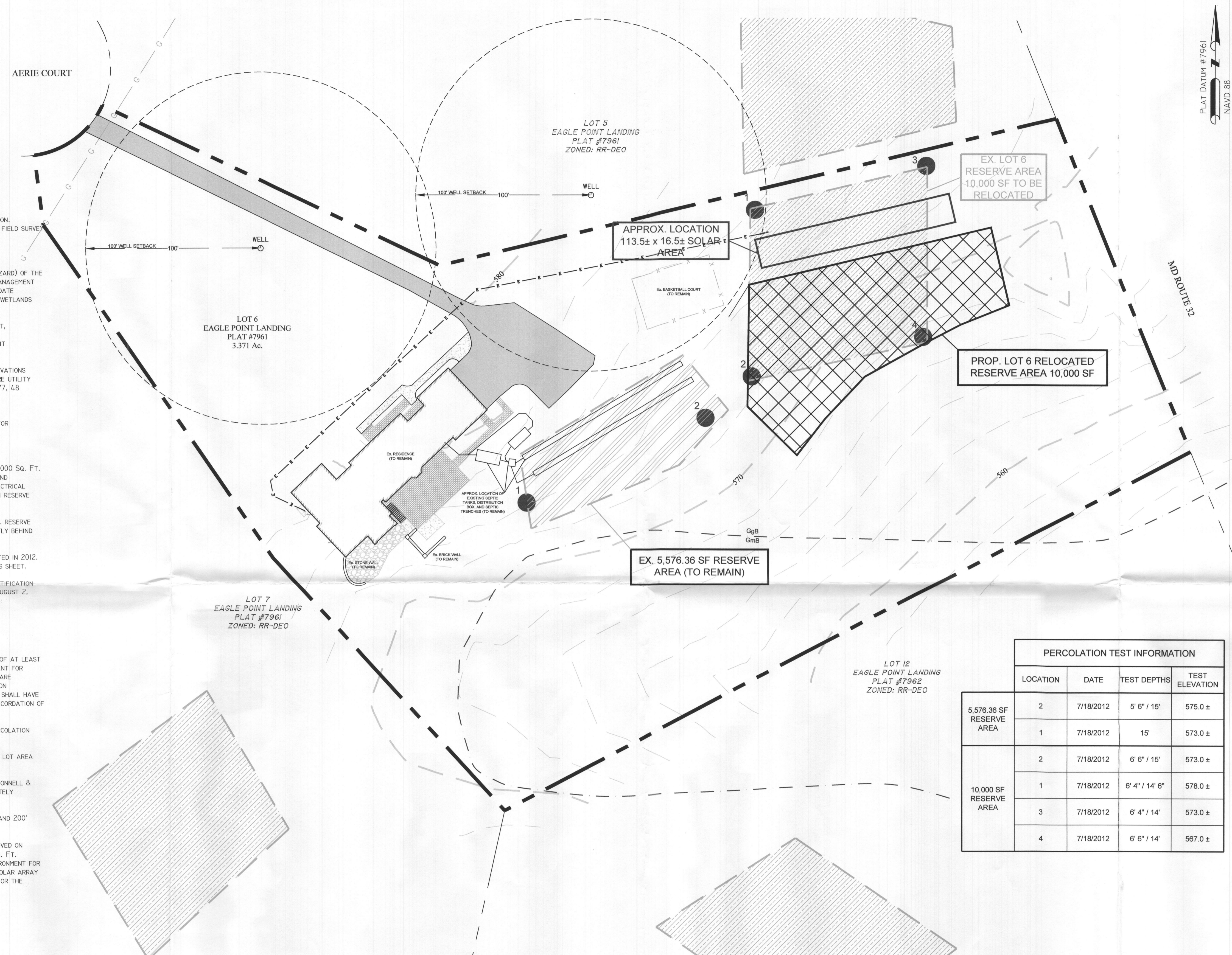
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 42417, EXPIRATION DATE: JUNE 6, 2020.

DGT
DESIGN ENGINEER SIGNATURE
DOUGLAS G. TILLEY
PRINTED NAME
42417
MD LICENSE #
11/12/2019
DATE

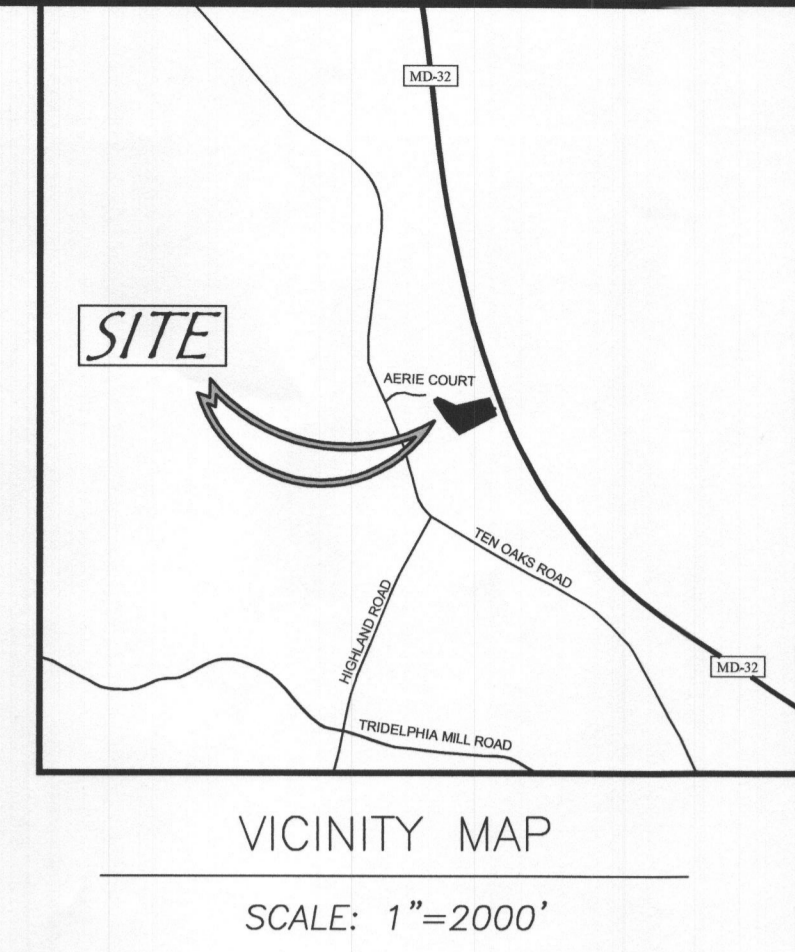


APPROVED FOR PRIVATE WATER AND SEWAGE SYSTEMS
HEALTH OFFICER, HOWARD COUNTY HEALTH DEPT. DATE

DESIGN BY:	MBO
DRAWN BY:	GH
CHECKED BY:	DGT
DATE:	11/12/19
SCALE:	1" = 30'
PROJECT FILE NO.:	019-028
SHEET NO.:	1 of 1



PERCOLATION TEST INFORMATION				
	LOCATION	DATE	TEST DEPTHS	TEST ELEVATION
5,576.36 SF RESERVE AREA	2	7/18/2012	5' 6" / 15'	575.0 ±
	1	7/18/2012	15'	573.0 ±
10,000 SF RESERVE AREA	2	7/18/2012	6' 6" / 15'	573.0 ±
	1	7/18/2012	6' 4" / 14' 6"	578.0 ±
	3	7/18/2012	6' 4" / 14'	573.0 ±
	4	7/18/2012	6' 6" / 14'	567.0 ±



OWNER:
CHARLES W. SCOT JR.
5312 AERIE COURT
CLARKSVILLE, MD 21029
PHONE: (410) 531-5986

ENGINEER:
O'CONNELL & LAWRENCE, INC.
17904 GEORGIA AVENUE, SUITE 302
OLNEY, MARYLAND 20832
CONTACT: DOUG TILLEY, P.E.
PHONE: (301) 924-4570

APPLICANT/SOLAR DESIGNER:
SOLAR ENERGY WORLD.
5681 MAIN STREET
ELKRIDGE, MD 21075
CONTACT: TOM LAMPROS
PHONE: (888) 497-3233

Construction Consultants,
Engineers, Surveyors
17904 Georgia Avenue, Suite 302
Olney, Maryland 20832
Tel: (301) 924-4570
Fax: (301) 924-5872

O'C&L
O'CONNELL & LAWRENCE, INC.

LOT 6
EAGLE POINT LANDING
5312 AERIE COURT
TAX MAP 28 GRD 15
5TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

AMENDMENT TO
PERCOLATION
CERTIFICATION PLAN

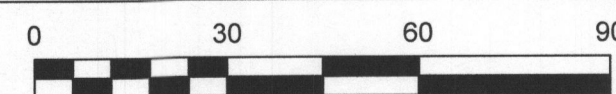
GENERAL NOTES

- PROPERTY DATA**
LEGAL REFERENCE: LOT 6, EAGLE POINT LANDING - PLAT 7961
LOT AREA: 8,325 SQ. FT. OR 3.371 ACRES
TAX MAP 28 GRID 15 - TAX ACCT: 05-408431
ZONING: RR-DEO
WATERSHED: MIDDLE PATUXENT
EX. WATER AND SEWER CATEGORIES: PRIVATE WATER AND SEWAGE DISPOSAL
- EXISTING SITE DATA**
PROPERTY LINES SHOWN HEREON WERE TAKEN FROM FIELD OBSERVATIONS AND AVAILABLE RECORDS
THIS PLAN HAS BEEN PREPARED WITHOUT THE BENEFIT OF A TITLE EXAMINATION.
TOPOGRAPHY AT A 2' INTERVAL AND EXISTING FEATURES SHOWN HEREON PER FIELD SURVEY CONDUCTED BY O'CONNELL & LAWRENCE, INC. IN NOVEMBER 2019
HORIZONTAL DATUM SHOWN HEREON IS PER PLAT #7961
VERTICAL DATUM SHOWN HEREON IS NAVD 88
THERE ARE NO STREAMS WITHIN 200' OF THE PROPERTY
THE SITE IS FOUND TO BE IN A FLOOD ZONE X (AREA OF MINIMAL FLOOD HAZARD) OF THE NATIONAL FLOOD INSURANCE PROGRAM, PER THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP #24027C01300DF WITH EFFECTIVE DATE 11-6-2013. THERE ARE NO FLOODPLAINS, TIDAL WETLANDS, OR NON-TIDAL WETLANDS ON THE SUBJECT PROPERTY
EXISTING SITE USE: PRIVATE RESIDENCE
EXISTING SITE COVERAGE: RESIDENTIAL HOME, DRIVEWAY, BASKETBALL COURT, ADDITIONAL SITE FEATURES
PROPOSED SITE UPGRADE: SOLAR ARRAY AND ASSOCIATED ELECTRICAL CONDUIT
- UTILITIES DATA**
UTILITIES LOCATIONS SHOWN HEREON ARE AVAILABLE PLANS AND FIELD OBSERVATIONS WHERE SURFACE INDICATIONS EXIST. DIGGING OF TEST PITS AT ALL FUTURE UTILITY CROSSINGS IS RECOMMENDED. CONTACT "MISS UTILITY" AT 1-800-257-7777, 48 HOURS PRIOR TO ANY EXCAVATION OR CONSTRUCTION.
- SOILS DATA**
DATA SHOWN HEREON WAS OBTAINED FROM A THE NRCS WEB SOIL SURVEY FOR MONTGOMERY COUNTY, MARYLAND AND INCLUDES:
TYPE: G6B (GLENELG LOAM, 3-8% SLOPES - SOIL TYPE "B")
GMB (GLENVILLE SILT LOAM, 3-8% SLOPES - SOIL TYPE "C/D")
- THE PURPOSE OF THIS PLAN IS TO ADJUST THE LOCATION OF THE ON-SITE 10,000 SQ. FT. RESERVE AREA TO FACILITATE THE CONSTRUCTION OF A NEW SOLAR ARRAY AND ACCOMPANYING EQUIPMENT. THERE IS NO CODIFIED SETBACK BETWEEN AN ELECTRICAL CONDUIT/SOLAR ARRAY AND RESERVE AREA. A MINIMUM 5' SETBACK BETWEEN RESERVE AREA AND SOLAR ARRAY HAS BEEN MAINTAINED.
- THERE ARE NO MODIFICATIONS PROPOSED TO THE EXISTING 5,576.36 SQ. FT. RESERVE AREA, SEPTIC TRENCHES, SEPTIC TANKS, OR DISTRIBUTION BOX LOCATED DIRECTLY BEHIND THE EXISTING RESIDENCE.
- ALL PERCOLATION TESTING IS PER RECORDS RECEIVED. TESTING WAS CONDUCTED IN 2012. TEST RESULTS/DEPTHS ARE SUMMARIZED IN THE PERCOLATION TABLE, ON THIS SHEET.
- OFF-SITE RESERVE AREA LOCATIONS SHOWN PER APPROVED PERCOLATION CERTIFICATION PLAN A#537379, PREPARED BY BENCHMARK ENGINEERING, INC. APPROVED AUGUST 2, 2012. WELLS SHOWN PER O'C&L FIELD SURVEY.

PERCOLATION CERTIFICATION NOTES

- THIS AREA DESIGNATES A PRIVATE SEWAGE DISPOSAL AREA OF AT LEAST 10,000 SQ. FT. AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED. THIS SEWAGE DISPOSAL AREA SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A REVISED SEWAGE EASEMENT SHALL NOT BE NECESSARY.
- ANY CHANGES TO PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
- THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT.
- THE TOPOGRAPHY OF THIS PLAT IS TAKEN FROM A FIELD RUN SURVEY BY O'CONNELL & LAWRENCE, INC. PERFORMED IN NOVEMBER 2019 AND IS VERIFIED TO ACCURATELY REPRESENT THE RELATIVE CHANGES ON THE SUBJECT PROPERTY.
- ALL WELLS AND SEPTIC SYSTEMS LOCATED WITHIN 100' OF THE BOUNDARIES AND 200' DOWN GRADIENT OF ANY WELLS AND/OR SEPTIC SYSTEMS HAVE BEEN SHOWN.
- THE PURPOSE OF THIS PLAN IS TO ADJUST THE LOCATION (PREVIOUSLY APPROVED ON PERCOLATION CERTIFICATION PLAN A#537379) OF THE REQUIRED 10,000 SQ. FT. PRIVATE SEWAGE EASEMENT AS REQUIRED BY THE DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL TO ALLOW FOR THE CONSTRUCTION OF A NEW SOLAR ARRAY AND TO MOVE THE RESERVE AREA ON LOT 6 OUT OF THE 100' WELL RADIUS FOR THE WELLS ON LOT 5.

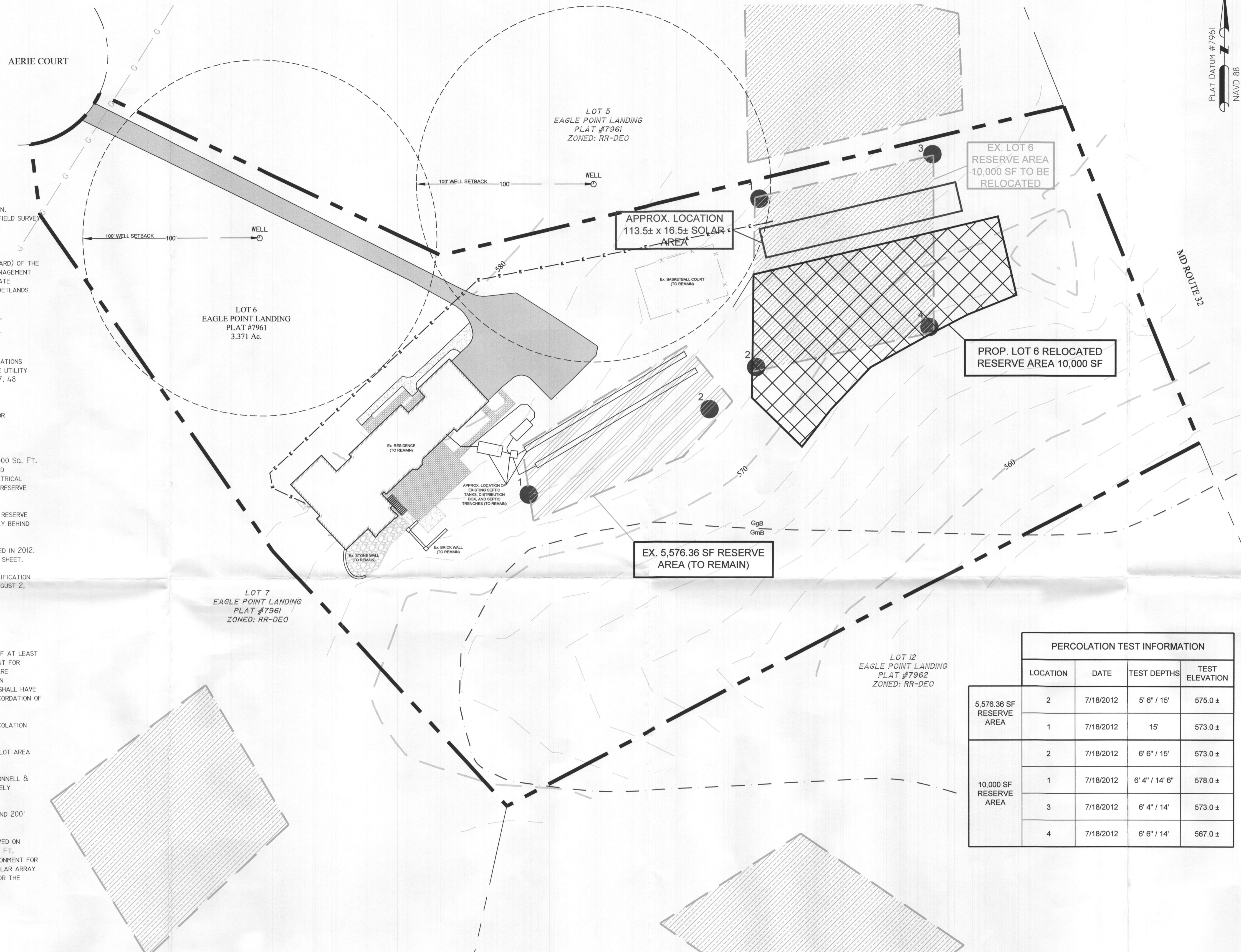
AMENDMENT TO PERCOLATION CERTIFICATION PLAN
SCALE: 1" = 30'



- WELL
- EX. WELL
- PASSING TEST LOCATION (SEE TABLE)

EXISTING CONDITIONS LEGEND
THESE STANDARD SYMBOLS WILL BE FOUND IN THE DRAWING

- PROPERTY LINE
- EXISTING CONTOUR
- EX. METAL FENCE
- EX. SOIL DIVIDE
- PROP. ELEC. CONDUIT (APPROX. LOC.)
- BRICK
- CONCRETE
- PAVER PATIO
- EX. ASPHALT DRIVEWAY TO REMAIN
- EX. SEPTIC RESERVE AREA (MIN. 10,000 SF)
- PROP. SEPTIC RESERVE AREA (MIN. 10,000 SF)



PERCOLATION TEST INFORMATION				
	LOCATION	DATE	TEST DEPTHS	TEST ELEVATION
5,576.36 SF RESERVE AREA	2	7/18/2012	5' 6" / 15'	575.0 ±
	1	7/18/2012	15'	573.0 ±
10,000 SF RESERVE AREA	2	7/18/2012	6' 6" / 15'	573.0 ±
	1	7/18/2012	6' 4" / 14' 6"	578.0 ±
	3	7/18/2012	6' 4" / 14'	573.0 ±
	4	7/18/2012	6' 6" / 14'	567.0 ±

DESIGN/PROFESSIONAL CERTIFICATION

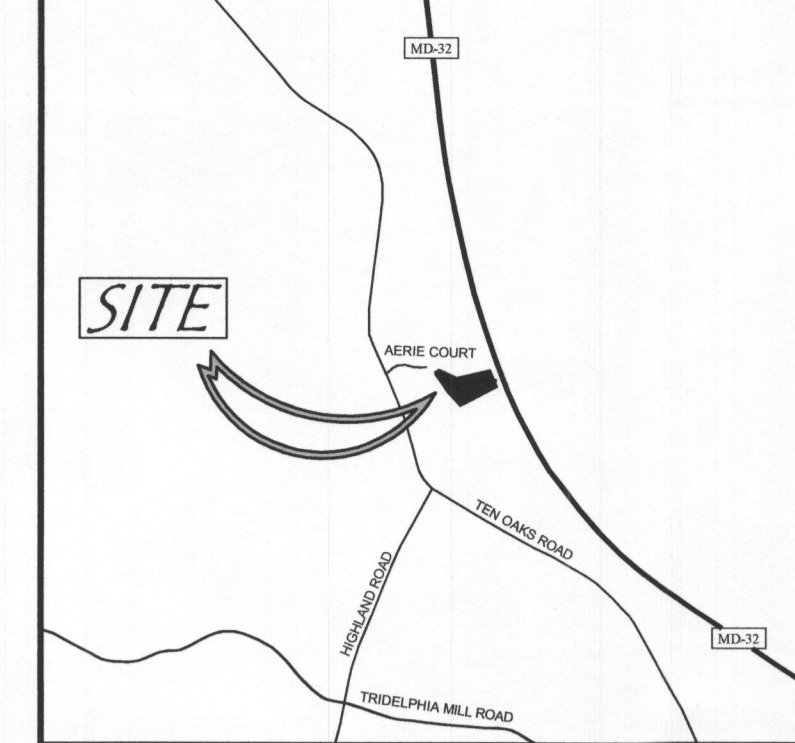
I CERTIFY THAT THE INFORMATION SHOWN HEREIN IS BASED ON FIELD WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION, AND IS CORRECT, TO THE BEST OF MY KNOWLEDGE AND BELIEF.

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. 42417, EXPIRATIONAL DATE: JUNE 6, 2020.

Douglas G. Tilley
DESIGN ENGINEER SIGNATURE
DOUGLAS G. TILLEY
PRINTED NAME
42417
MD LICENSE #
11/13/2019
DATE



APPROVED FOR PRIVATE WATER AND SEWAGE SYSTEMS
HEALTH OFFICER, HOWARD COUNTY HEALTH DEPT. DATE



VICINITY MAP
SCALE: 1"=2000'

OWNER:
CHARLES W. SCOT JR.
5312 AERIE COURT
CLARKSVILLE, MD 21029
PHONE: (410) 531-5986

ENGINEER:
O'CONNELL & LAWRENCE, INC.
17904 GEORGIA AVENUE, SUITE 302
OLNEY, MARYLAND 20832
CONTACT: DOUG TILLEY, P.E.
PHONE: (301) 924-4570

APPLICANT/SOLAR DESIGNER:
SOLAR ENERGY WORLD.
5681 MAIN STREET
ELKCRIDGE, M 21075
CONTACT: TOM LAMPROS
PHONE: (888) 497-3233

Construction Consultants,
Engineers, Surveyors
17904 Georgia Avenue, Suite 302
Olney, Maryland 20832
Tel: (301) 924-4570
Fax: (301) 924-5872

O'C&L
O'CONNELL & LAWRENCE, INC.

LOT 6
EAGLE POINT LANDING
5312 AERIE COURT
PLAT #7961
TAX MAP 28 GRID 15
5TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

AMENDMENT TO PERCOLATION CERTIFICATION PLAN

DESIGN BY:	MBO	DATE:	11/12/19
DRAWN BY:	GH	SCALE:	1" = 30'
CHECKED BY:	DGT	PROJECT/FILE NO.:	019-028
DATE:		SHEET NO.:	1 of 1

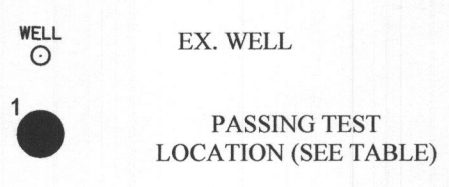
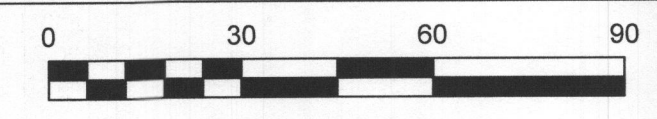
GENERAL NOTES

- PROPERTY DATA**
 LEGAL REFERENCE: LOT 6, EAGLE POINT LANDING - PLAT 7961
 LOT AREA: 8,325 SQ. FT. OR 3.371 ACRES
 TAX MAP 28 GRID 15 - TAX ACCT: 05-408431
 ZONING: RR-DEO
 WATERSHED: MIDDLE PATUXENT
 EX. WATER AND SEWER CATEGORIES: PRIVATE WATER AND SEWAGE DISPOSAL
- EXISTING SITE DATA**
 PROPERTY LINES SHOWN HEREON WERE TAKEN FROM FIELD OBSERVATIONS AND AVAILABLE RECORDS
 THIS PLAN HAS BEEN PREPARED WITHOUT THE BENEFIT OF A TITLE EXAMINATION.
 TOPOGRAPHY AT A 2' INTERVAL AND EXISTING FEATURES SHOWN HEREON PER FIELD SURVEY CONDUCTED BY O'CONNELL & LAWRENCE, INC. IN NOVEMBER 2019
 HORIZONTAL DATUM SHOWN HEREON IS PER PLAT #7961
 VERTICAL DATUM SHOWN HEREON IS NAVD 88
 THERE ARE NO STREAMS WITHIN 200' OF THE PROPERTY
 THE SITE IS FOUND TO BE IN A FLOOD ZONE X (AREA OF MINIMAL FLOOD HAZARD) OF THE NATIONAL FLOOD INSURANCE PROGRAM, PER THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP #24027C01300DF WITH EFFECTIVE DATE 11-6-2013. THERE ARE NO FLOODPLAINS, TIDAL WETLANDS, OR NON-TIDAL WETLANDS ON THE SUBJECT PROPERTY
 EXISTING SITE USE: PRIVATE RESIDENCE
 EXISTING SITE COVERAGE: RESIDENTIAL HOME, DRIVEWAY, BASKETBALL COURT, ADDITIONAL SITE FEATURES
 PROPOSED SITE UPGRADE: SOLAR ARRAY AND ASSOCIATED ELECTRICAL CONDUIT
- UTILITIES DATA**
 UTILITIES LOCATIONS SHOWN HEREON ARE AVAILABLE PLANS AND FIELD OBSERVATIONS WHERE SURFACE INDICATIONS EXIST. DIGGING OF TEST PITS AT ALL FUTURE UTILITY CROSSINGS IS RECOMMENDED. CONTACT "MISS UTILITY" AT 1-800-257-7777, 48 HOURS PRIOR TO ANY EXCAVATION OR CONSTRUCTION.
- SOILS DATA**
 DATA SHOWN HEREON WAS OBTAINED FROM A THE NRCS WEB SOIL SURVEY FOR MONTGOMERY COUNTY, MARYLAND AND INCLUDES:
 TYPE: GGB (GLENELG LOAM, 3-8% SLOPES - SOIL TYPE "B")
 GMB (GLENVILLE SILT LOAM, 3-8% SLOPES - SOIL TYPE "C/D")
- THE PURPOSE OF THIS PLAN IS TO ADJUST THE LOCATION OF THE ON-SITE 10,000 SQ. FT. RESERVE AREA TO FACILITATE THE CONSTRUCTION OF A NEW SOLAR ARRAY AND ACCOMPANYING EQUIPMENT. THERE IS NO CODIFIED SETBACK BETWEEN AN ELECTRICAL CONDUIT/SOLAR ARRAY AND RESERVE AREA. A MINIMUM 5' SETBACK BETWEEN RESERVE AREA AND SOLAR ARRAY HAS BEEN MAINTAINED.
- THERE ARE NO MODIFICATIONS PROPOSED TO THE EXISTING 5,576.36 SQ. FT. RESERVE AREA, SEPTIC TRENCHES, SEPTIC TANKS, OR DISTRIBUTION BOX LOCATED DIRECTLY BEHIND THE EXISTING RESIDENCE.
- ALL PERCOLATION TESTING IS PER RECORDS RECEIVED. TESTING WAS CONDUCTED IN 2012. TEST RESULTS/DEPTHS ARE SUMMARIZED IN THE PERCOLATION TABLE, ON THIS SHEET.
- OFF-SITE RESERVE AREA LOCATIONS SHOWN PER APPROVED PERCOLATION CERTIFICATION PLAN A#537379, PREPARED BY BENCHMARK ENGINEERING, INC. APPROVED AUGUST 2, 2012. WELLS SHOWN PER O'C&L FIELD SURVEY.

PERCOLATION CERTIFICATION NOTES

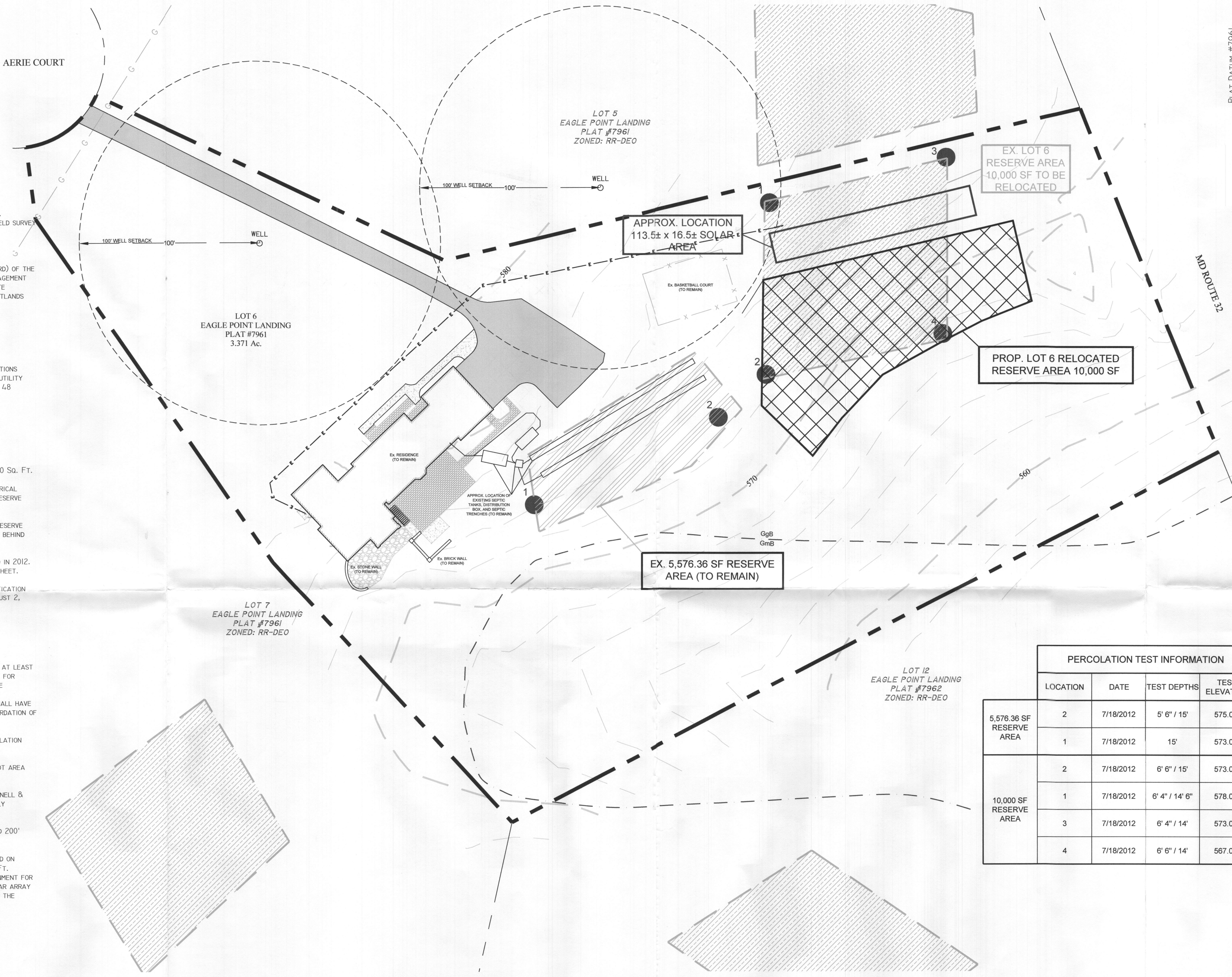
- THIS AREA DESIGNATES A PRIVATE SEWAGE DISPOSAL AREA OF AT LEAST 10,000 SQ. FT. AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED. THIS SEWAGE DISPOSAL AREA SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A REVISED SEWAGE EASEMENT SHALL NOT BE NECESSARY.
- ANY CHANGES TO PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
- THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT.
- THE TOPOGRAPHY OF THIS PLAT IS TAKEN FROM A FIELD RUN SURVEY BY O'CONNELL & LAWRENCE, INC. PERFORMED IN NOVEMBER 2019 AND IS VERIFIED TO ACCURATELY REPRESENT THE RELATIVE CHANGES ON THE SUBJECT PROPERTY.
- ALL WELLS AND SEPTIC SYSTEMS LOCATED WITHIN 100' OF THE BOUNDARIES AND 200' DOWN GRADIENT OF ANY WELLS AND/OR SEPTIC SYSTEMS HAVE BEEN SHOWN.
- THE PURPOSE OF THIS PLAN IS TO ADJUST THE LOCATION (PREVIOUSLY APPROVED ON PERCOLATION CERTIFICATION PLAN A#537379) OF THE REQUIRED 10,000 SQ. FT. PRIVATE SEWAGE DISPOSAL AS REQUIRED BY THE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL TO ALLOW FOR THE CONSTRUCTION OF A NEW SOLAR ARRAY AND TO MOVE THE RESERVE AREA ON LOT 6 OUT OF THE 100' WELL RADIUS FOR THE WELLS ON LOT 5.

AMENDMENT TO PERCOLATION CERTIFICATION PLAN
SCALE: 1" = 30'



EXISTING CONDITIONS LEGEND
THESE STANDARD SYMBOLS WILL BE FOUND IN THE DRAWING

- PROPERTY LINE
- EXISTING CONTOUR
- EX. METAL FENCE
- EX. SOIL DIVIDE
- PROP. ELEC. CONDUIT (APPROX. LOC.)
- BRICK
- CONCRETE
- PAVER PATIO
- EX. ASPHALT DRIVEWAY TO REMAIN
- EX. SEPTIC RESERVE AREA (MIN. 10,000 SF)
- PROP. SEPTIC RESERVE AREA (MIN. 10,000 SF)



PERCOLATION TEST INFORMATION				
	LOCATION	DATE	TEST DEPTHS	TEST ELEVATION
5,576.36 SF RESERVE AREA	2	7/18/2012	5' 6" / 15'	575.0 ±
	1	7/18/2012	15'	573.0 ±
10,000 SF RESERVE AREA	2	7/18/2012	6' 6" / 15'	573.0 ±
	1	7/18/2012	6' 4" / 14' 6"	578.0 ±
	3	7/18/2012	6' 4" / 14'	573.0 ±
	4	7/18/2012	6' 6" / 14'	567.0 ±

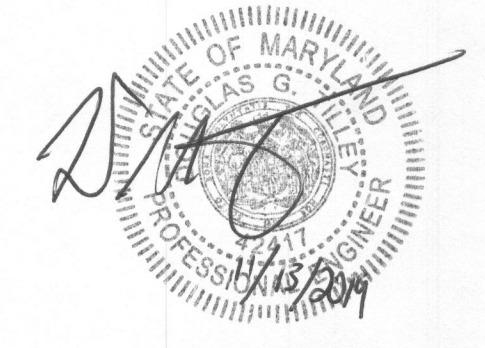
DESIGN/PROFESSIONAL CERTIFICATION

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

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. 42417, EXPIRATION DATE: JUNE 6, 2020.

DGT
 DESIGN ENGINEER SIGNATURE
 DOUGLAS G. TILLEY
 PRINTED NAME

42417
 MD LICENSE #
 11/13/2019
 DATE



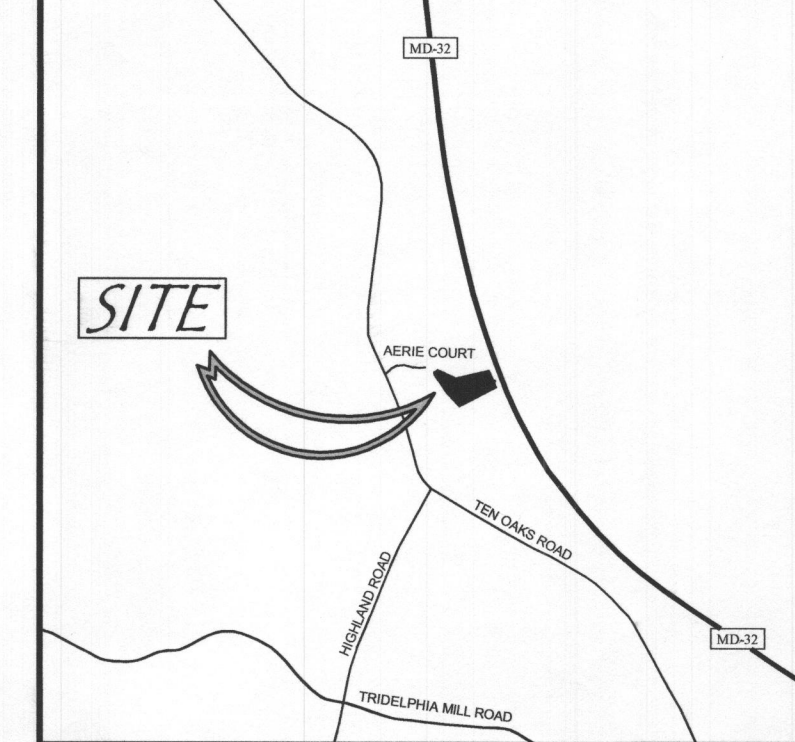
APPROVED FOR PRIVATE WATER AND SEWERAGE SYSTEMS
 HEALTH OFFICER, HOWARD COUNTY HEALTH DEPT. DATE

OWNER:
 CHARLES W. SCOT JR.
 5312 AERIE COURT
 CLARKSVILLE, MD 21029
 PHONE: (410) 531-5986

ENGINEER:
 O'CONNELL & LAWRENCE, INC.
 17904 GEORGIA AVENUE, SUITE 302
 OLNEY, MARYLAND 20832
 CONTACT: DOUG TILLEY, P.E.
 PHONE: (301) 924-4570

APPLICANT/SOLAR DESIGNER:
 SOLAR ENERGY WORLD.
 5681 MAIN STREET
 ELKCRIDGE, MD 21075
 CONTACT: TOM LAMPROS
 PHONE: (888) 497-3233

VICINITY MAP
 SCALE: 1"=2000'



Construction Consultants,
 Engineers, Surveyors
 17904 Georgia Avenue, Suite 302
 Olney, Maryland 20832
 Tel: (301) 924-4570
 Fax: (301) 924-5872

O'C&L
 O'CONNELL & LAWRENCE, INC.

LOT 6
 EAGLE POINT LANDING
 5312 AERIE COURT
 PLAT #7961, 15
 TAX MAP 28 GRID 15
 5TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

AMENDMENT TO PERCOLATION CERTIFICATION PLAN

DESIGN BY:	MBO	DATE:	11/12/19
DRAWN BY:	GH	SCALE:	1" = 30'
CHECKED BY:	DGT	PROJECT/FILE NO.:	019-028
DATE:		SHEET NO.:	1 of 1