

Menu Save Reset Cancel Help

Approved
11/18/25 MRS

Record Detail * (This section is required.)

Case #
EH-PLANS-25-0
Type
EnvHealth/Environmental Health/Plan Check/Application

Status
Revisions Required

Opened Date
07/28/2025

_Single Entry Edit-View Record Form

Application Name
B25002814

Description
SFD / INSTALL (75) GROUND MOUNTED SOLAR PANELS**SUBJECT TO FIELD INSPECTION**

Total Invoiced
0.00

Total Paid
0.00

Balance
0.00

Assigned to Department Current Department

Well and Septic Progr

Assigned to Staff Current User

Melanie Eshenbaugh

Address * (This section is required.)

New	Search	Delete	Set Primary													
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Primary	Street # (start)	Direction	Street Name	Street Type	City	State	Zip Code	Address Status	Street Suffix (Direction)	Unit Type	U
<input type="checkbox"/>	<input checked="" type="checkbox"/>					17502		Country...	WAY	Mt. ...	MD	21771				

Parcel (This section is not required.)

Search	Delete	Get Address & Owner	Set Primary													
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Primary	Parcel #	Book	Page	Parcel	Parcel Area	Land Value	Improved Value	Exemption Value	Legal Description	Tract	
0 record(s) found.																

Owner (This section is not required.)

Search	Delete	Set Primary														
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Primary	Name	Mail Address Line1	Mail Address Line2	Mail Address Line3	Mail City	Mail State	Mail Zip Code	Phone	Country/Regi			
<input type="checkbox"/>	<input checked="" type="checkbox"/>				Peter Wood	17502 Country View Way			Mt. Airy	MD	21771		US			

Applicant * (This section is required.)

Search As Owner As Lic. Prof As Contact

Single Entry Applicant Form

Type *
Applicant

Primary
Yes

First Name *
Kristin

Middle Name

Last Name *
Manzo

Home Phone ((XXX)XXX-XXXX)

Organization Name *
Solar Energy World

Mobile Phone ((XXX)XXX-XXXX)
(410) 579-5167

E-mail
permitting@SOLARENERGYWORLD.COM

Business Phone ((XXX)XXX-XXXX)

Preferred Channel
--Select--

Applicant Address

New Look Up Deactivate Remove

<input type="checkbox"/> Contact Address ID	Address Type	Address Line 1	City	State	Zip	Primary	Recipient	Status
0 record(s) found.								

Custom Fields

DATE TRACKING

Received Date
8/27/2025

Due Date
9/10/2025

Dates to Complete
14 (Number)

Received by Food

Food Review Type
--Select--

Equipment Specification Sheets Submitted

Received by Community Hygiene

Equipment Specification Sheet

Received by Well and Septic
7/21/2025

FACILITY INFORMATION

Name of Business (dba) *
n/a (Text)

Associated Building Permit Number
(Text)

Owner Switch Date

Does the project include an Aquatic Facility such as a Public Pool? If Yes, forward to CH Program.
 Yes No

Does the project include Private Septic? If Yes, forward to WS Program.
 Yes No

Is this a Prototype Food Service Facility? If Yes, refer to State.
 Yes No

Facility Fax
0 (Text)

Days of Operation
0 (Text)

Does this project have a Building Permit?
 Yes No

Building Permit Issued Date

Non-Profit

Does the project include Private Well? If Yes, forward to WS Program.
 Yes No

Does the project include Food Services? If Yes, forward to FP Program.
 Yes No

Facility Phone
0 (Text)

Facility Email
0 (Text)

PROPERTY INFORMATION

Water Source
--Select--

Design Wastewater Flow
(Number)

Sewage Disposal
--Select--

Permit Type
--Select--

DEVELOPMENT PLANS

Property Type
Residential

Signature Required
 Yes No

Number of paper copies
0 (Number)

Number of buildable lots created

Plan Version
Revision

Engineer
0 (Text)

Number of mylar copes
0 (Number)

Number of non-buildable lots created

<input type="text" value="0"/> (Number)	<input type="text" value=""/> (Number)
Total Number of Lots	Associated Plans
<input type="text" value="0"/> (Number)	<input type="text" value=""/>

WELL AND SEPTIC INTERNAL

State Review Required Yes No

Coordinate State Review Yes No

Proposed Septic System Type
--Select--

FOOD ESTABLISHMENT FACILITY

Priority Assessment
--Select--

Licensed Type
--Select--

License Category
--Select--

FOOD ESTABLISHMENT INFORMATION

Hours of Operation
(Text)

Operating Seasonally Only

If Operating Seasonally, What is the start month?
(Text)

Are pets allowed in a outdoor seating area?
 Yes No

Full Bar?
 Yes No

RESTAURANT AND FOOD SERVICE

Food Service Facility Secondary Category
--Select--

Total Seating Capacity

(Number)

Number of Restrooms

(Number)

Interior Restaurant Seating Capacity

(Number)

Bar Seating Capacity

(Text)

Outdoor Seating Capacity

(Text)

Does the restaurant have outdoor seating
 Yes No

EQUIPMENT

Evaluated non NSF, ANSI, CF or other standards Yes No

Description of Refrigeration Units

Number of Walk-In Refrigerator Units

(Number)

Description of Walk-In Freezer Units

(Text)

Is there a bulk ice machine available
 Yes No

Space Limitation

Number of Hand Sinks Available

(Number)

Hood System

(Text)

Ventless Equipment

(Text)

PLUMBING

Size and Installation of the water heater?
(Text)

Is there a grease interceptor or grease trap?
--Select--

REFUSE AND RECYCLABLES

Dumpsters Located on a impervious surface?
--Select--

Will there be a grease receptacle?
--Select--

WAREWASHING DISHWASHING

Dishwashing Method
--Select--

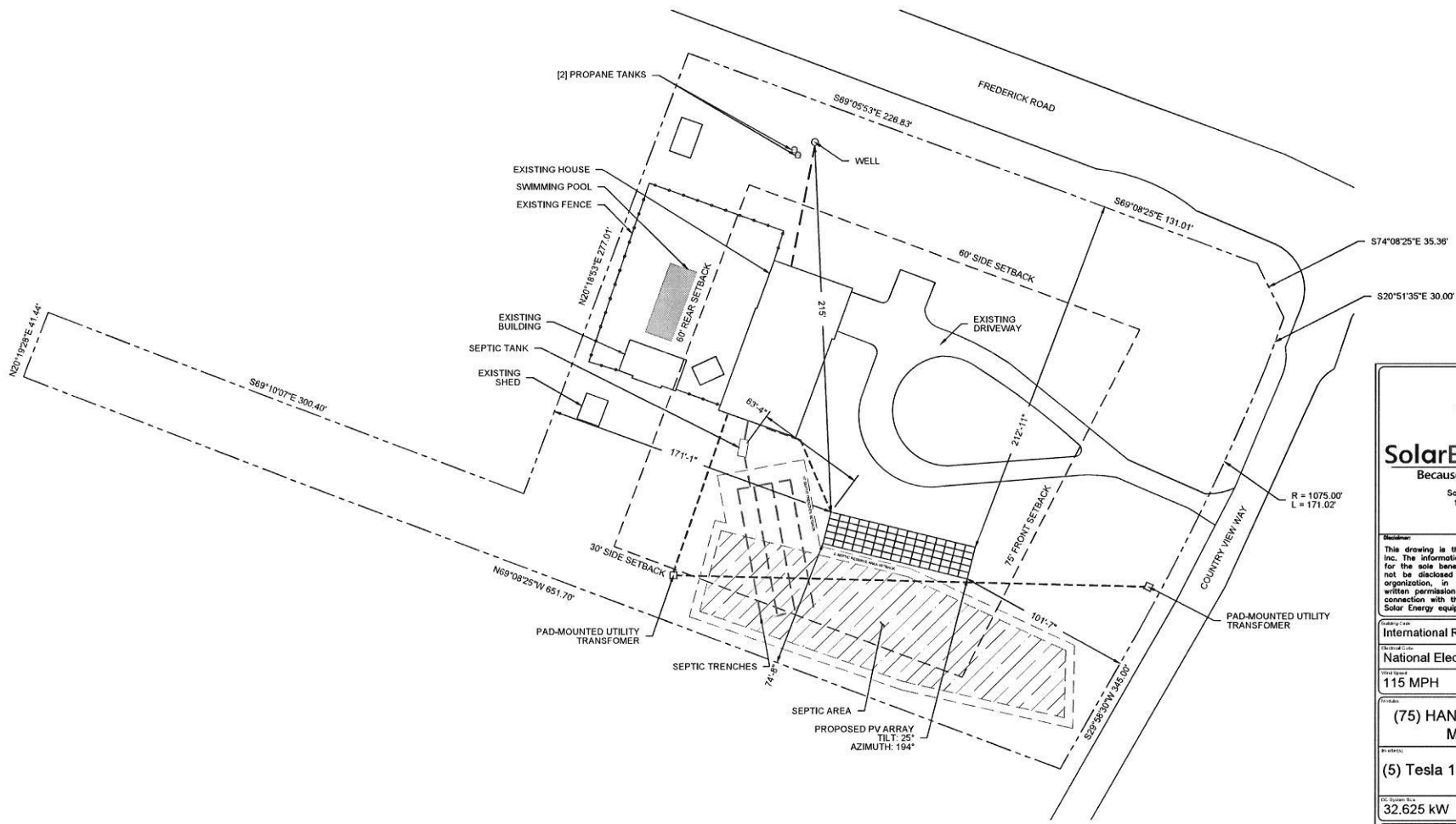
HACCP

Plan Review Response Letter Received Yes No

Date HACCP Approved by the State

Date HACCP Plan Submitted

HACCP Plan Approved



NOTES:

1. THIS DRAWING IS TO PROVIDE REFERENCE FOR THE INSTALLATION OF GROUND MOUNT PHOTOVOLTAIC ARRAYS.
2. THE SYSTEM SHALL INCLUDE (75) HANWHA Q.TRON BLK M-G2+ 435W MODULES [DIMENSIONS: 67.6" (L) x 44.6" (W) x 1.18" (D) AND WEIGHING 46.7 LBS (PANEL DEAD LOAD = 2.22PSF)]
3. THE SOLAR FOUNDATIONS RACKING WILL BE INSTALLED PER MANUFACTURER'S INSTALLATION MANUAL.
4. THE PROPOSED ARRAY SHALL COVER APPROX. 1625.26SQ.FT. OF THE 3 AC. PROPERTY.
5. EQUIPMENT LOCATION PLAN IS APPROXIMATE. EXACT LOCATION TO BE VERIFIED WITH INSTALLATION CREW AND HOME OWNER AT THE TIME OF INSTALLATION.

SITE PLAN

Scale: 1" = 60'-0"

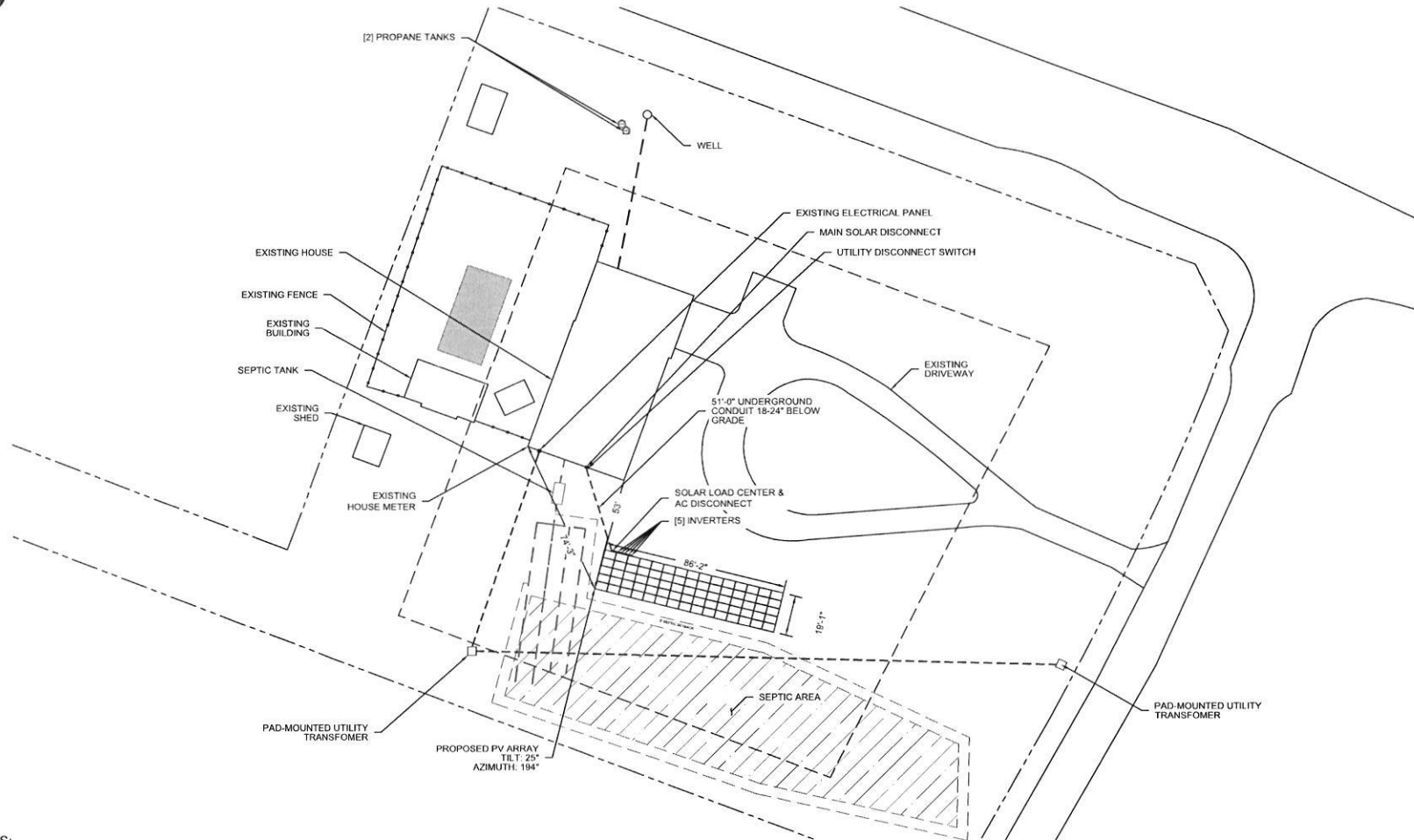
LEGEND	
	WILDLIFE & FOREST PRESERVATION
	WATER BODIES & FLOOD PLAINS
	WETLANDS
	SOLAR CONDUIT
	WATER
	OVERHEAD ELECTRICAL
	UNDERGROUND ELECTRICAL
	SEWER
	GAS

SolarEnergyWorld
Because Tomorrow Matters

Solar Energy World LLC.
14880 Sweitzer Lane
Laurel, MD 20707
(888) 497-3233

Disclaimer:
This drawing is the property of Solar Energy World Inc. The information herein contained shall be used for the sole benefit of Solar Energy World. It shall not be disclosed to others outside the recipient's organization, in whole or in part, without the written permission of Solar Energy World, except in connection with the sale and use of the respective Solar Energy equipment.

International Residential Code (IRC) 2021	
National Electrical Code (NEC) 2023	
Wind Speed 115 MPH	Roof Load 40 PSF
(75) HANWHA Q.TRON BLK M-G2+ 435W	
(5) Tesla 1538000-xx-y (5.7 kW)	
DC System Size 32.625 kW	AC System Size 28.500 kW
Customer Information Peter Wood 17502 Country View Way Mount Airy, MD 21771	
Project name: None	
City: Howard County	State: Potomac Edison
Site Plan	
Drawn by: AMP	Date: November 7, 2025
Scale: AS NOTED	Sheet: MD25891
A-2	




- NOTES:**
1. THIS DRAWING IS TO PROVIDE REFERENCE FOR THE INSTALLATION OF GROUND MOUNT PHOTOVOLTAIC ARRAYS.
 2. THE SYSTEM SHALL INCLUDE (75) HANWHA Q.TRON BLK M-G2+ 435W MODULES [DIMENSIONS: 67.8" (L) x 44.6" (W) x 1.18" (D) AND WEIGHING 48.7 LBS (PANEL DEAD LOAD = 2.22PSF)]
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EQUIPMENT LOCATION PLAN

Scale: 1" = 50'-0"

LEGEND	
WILDLIFE & FOREST PRESERVATION	SOLAR CONDUIT
WATER BODIES & FLOOD PLAINS	WATER
WETLANDS	OVERHEAD ELECTRICAL
	UNDERGROUND ELECTRICAL
	SEWER
	GAS



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Listing Code:
International Residential Code (IRC) 2021

Electrical Code:
National Electrical Code (NEC) 2023

Wind Speed: 115 MPH	Snow Load: 40 PSF
-------------------------------	-----------------------------

Equipment:
(75) HANWHA Q.TRON BLK M-G2+ 435W
(5) Tesla 1538000-xx-y (5.7 kW)

DC System Size: 32.625 kW	AC System Size: 28.500 kW
-------------------------------------	-------------------------------------

Client Name:
Peter Wood
17502 Country View Way
Mount Airy, MD 21771

Client Address:
None

City: Howard County	State: Potomac Edison
-------------------------------	---------------------------------

Project Name:
Equipment Location Plan

Drawn By: AMP	Date: August 27, 2025
-------------------------	---------------------------------

Revision: AS NOTED	Sheet No.: MD25891	Scale: E-1
------------------------------	------------------------------	----------------------

Revised



PROPOSED PV ARRAY LOCATION

Scale: NTS

KEY



AREA TO BE CLEARED
PRIOR TO INSTALL

 SolarEnergyWorld Because Tomorrow Matters Solar Energy World LLC 14880 Sweltzer Lane Laurel, MD 20707 (888) 497-3233		
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<small>Building Code:</small> International Residential Code (IRC) 2021		
<small>Electrical Code:</small> National Electrical Code (NEC) 2023		
<small>Wind Speed:</small> 115 MPH	<small>Roof Load:</small> 40 PSF	
<small>Modules:</small> (75) HANWHA Q.TRON BLK M-G2+ 435W		
<small>Inverters:</small> (5) Tesla 1538000-xx-y (5.7 kW)		
<small>DC System Size:</small> 32.625 kW	<small>AC System Size:</small> 28.500 kW	
<small>Customer Information:</small> Peter Wood 17502 Country View Way Mount Airy, MD 21771		
<small>Permit Code:</small> None		
<small>City:</small> Howard County	<small>County:</small> Potomac Edison	
Proposed PV Array Location		
<small>Drawn By:</small> AMP	<small>Date:</small> August 27, 2025	
<small>Drawn:</small> AS NOTED	<small>Job Number:</small> MD25891	<small>Sheet:</small> A-1

revised

Eshenbaugh, Melanie

From: Eshenbaugh, Melanie
Sent: Friday, August 1, 2025 4:56 PM
To: permitting@SOLARENERGYWORLD.COM
Cc: Peter@collectorOfTheImpossible.com
Subject: B25002814
Attachments: A33518_04-345746_17502_COUNTRY_VIEW_WAY.pdf

Good afternoon,

After review of the building permit proposal plans, health department records and a site visit to the property, it has been determined that the location of the solar panels could potentially impact the septic area. I have attached a copy of the health department record showing the location of the trenches (pg.2) and therefore will require the trenches to be staked to verify a minimum of 5' of separation from the septic trenches. Otherwise, please revise the plans to show a new location for the solar panel that meets the 5' setback from the septic trenches and approved sewage disposal area (septic reserve area). Hope you have a nice weekend and let me know if you have any questions. Thank you kindly!

Melanie Eshenbaugh
Bureau of Environmental Health
Howard County Health Dept.
8930 Stanford Blvd. Columbia, MD 21045
www.hchealth.org



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SFUSA™
Ground Mount Structure

Date: July 14, 2025
Subject: Ground Mount Solar Support Structure
Wood Residence (MD25891)
Project: 17502 Country View Way
Mount Airy, MD 21771

To whom it may concern,

Solar Foundations USA certifies that the design of the subject ground mount support structure as submitted conforms to the Maryland Building Performance Standards Regulations, including the 2021 International Building Code (IBC) with amendments per Section 3.101.

Professional Certification. I hereby certify that this document was 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: 3/15/2027.

Please call if you have any questions or require any additional information.

Respectfully,

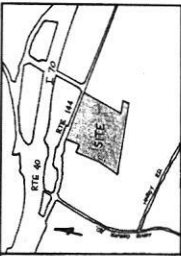
James C. Douglas
Director of Engineering
MD PE # 40027

James C
Douglas

Digitally signed by
James C Douglas
Date: 2025.07.15
17:01:17 -04'00'



GENERAL NOTES (Cont.)
 A. SHOWN PROPERTY IS TO BE IN THE INTEREST OF STATE PLANNING COMMISSION.



VICINITY MAP
 SCALE: 1" = 600'

GENERAL NOTES

1. THE MAP IS BASED ON THE 1948 SURVEY.
2. ALL DISTANCES ARE IN FEET AND DECIMALS THEREOF.
3. ALL ANGLES ARE IN DEGREES AND MINUTES.
4. THE TOTAL AREA OF THIS TRACT IS 1.12 AC.
5. THE TOTAL AREA OF THIS TRACT IS 1.12 AC.
6. THE TOTAL AREA OF THIS TRACT IS 1.12 AC.
7. THE TOTAL AREA OF THIS TRACT IS 1.12 AC.
8. THE TOTAL AREA OF THIS TRACT IS 1.12 AC.
9. THE TOTAL AREA OF THIS TRACT IS 1.12 AC.
10. THE TOTAL AREA OF THIS TRACT IS 1.12 AC.
11. THE TOTAL AREA OF THIS TRACT IS 1.12 AC.
12. THE TOTAL AREA OF THIS TRACT IS 1.12 AC.
13. THE TOTAL AREA OF THIS TRACT IS 1.12 AC.
14. THE TOTAL AREA OF THIS TRACT IS 1.12 AC.
15. THE TOTAL AREA OF THIS TRACT IS 1.12 AC.
16. THE TOTAL AREA OF THIS TRACT IS 1.12 AC.
17. THE TOTAL AREA OF THIS TRACT IS 1.12 AC.
18. THE TOTAL AREA OF THIS TRACT IS 1.12 AC.
19. THE TOTAL AREA OF THIS TRACT IS 1.12 AC.
20. THE TOTAL AREA OF THIS TRACT IS 1.12 AC.

APPROVED FOR RECORDING AND RECORDING
 REGISTERED PROFESSIONAL ENGINEER
 STATE OF MARYLAND
 No. 5678

PERCOLATION TEST DATA

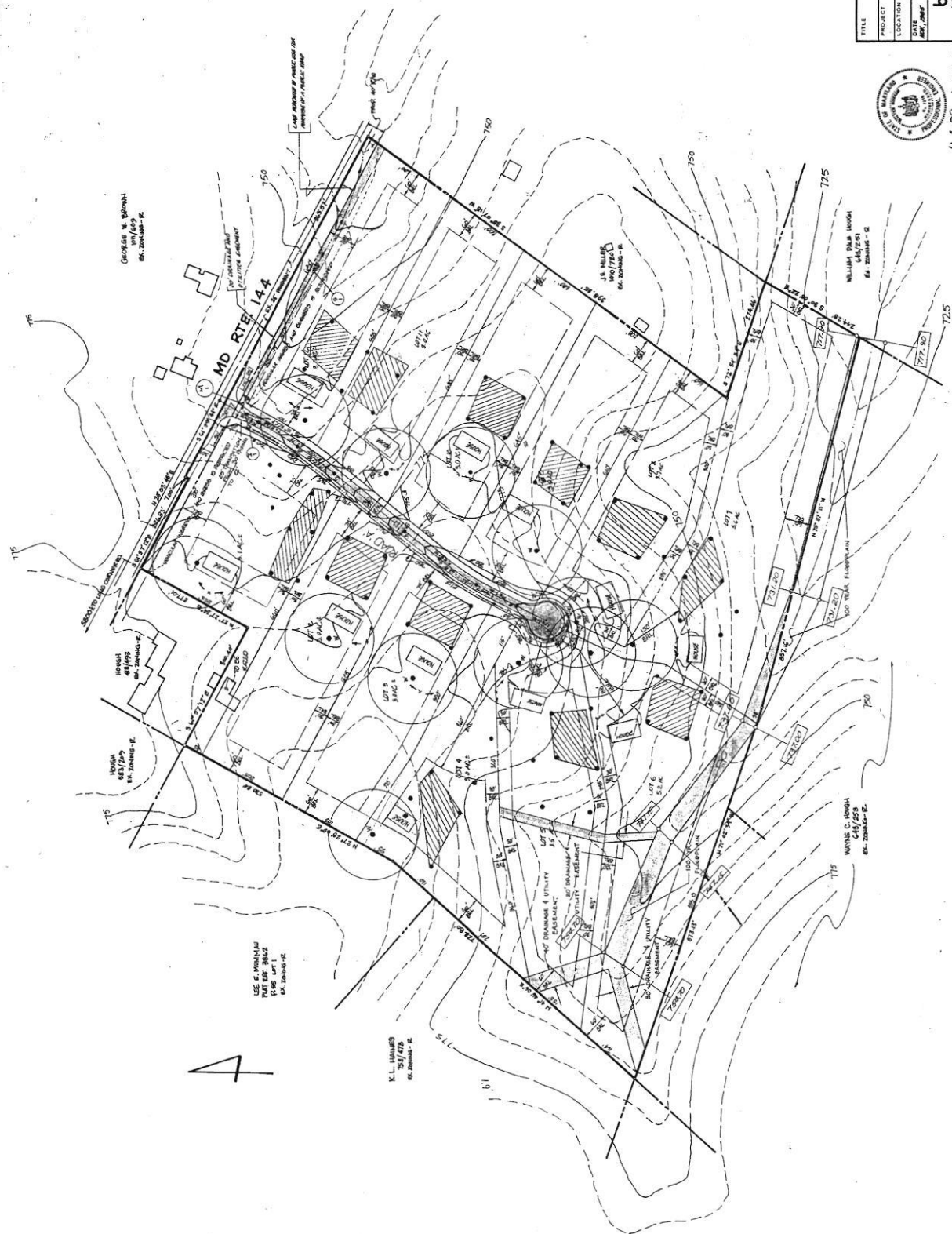
LOT NO.	PERCENTAGE PERCOLATION	PERCENTAGE PERCOLATION	PERCENTAGE PERCOLATION
1	1	2	3
2	4	5	6
3	7	8	9
4	10	11	12
5	13	14	15
6	16	17	18
7	19	20	21
8	22	23	24
9	25	26	27
10	28	29	30
11	31	32	33
12	34	35	36
13	37	38	39
14	40	41	42
15	43	44	45
16	46	47	48
17	49	50	51
18	52	53	54
19	55	56	57
20	58	59	60

TEMPORARILY APPROVED ON 8/28/86
 OFFICE OF PLANNING AND ZONING OF
 BALTIMORE
 PLANNING DIVISION
 DATE

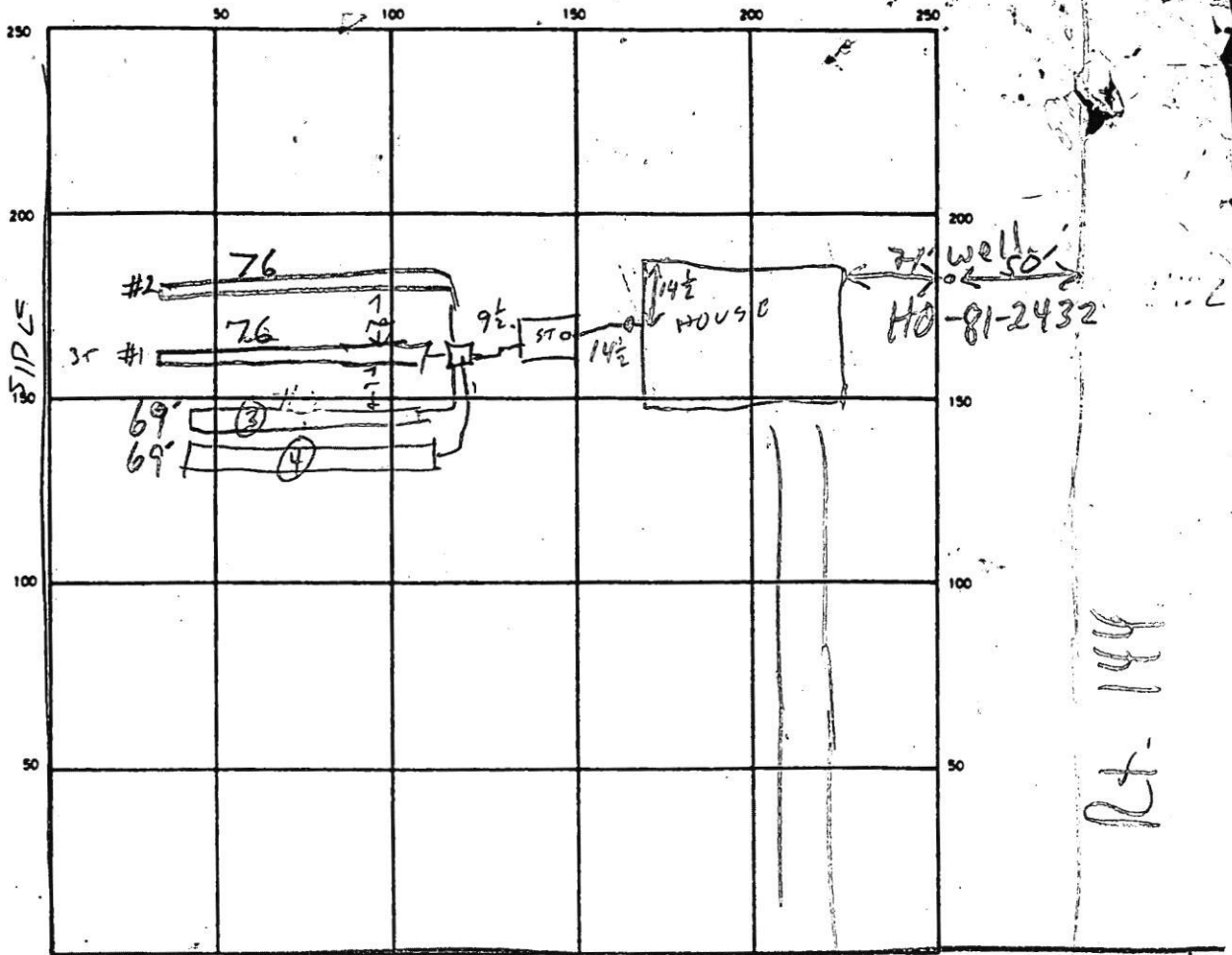
OWNER / DEVELOPER
 ROBERT H. BROWN
 1709 ETS. RD.
 MT. AIRY, MD. 21771

TITLE: PRELIMINARY PLAN
 PROJECT: COUNTRY VILL
 LOCATION: 1709 ETS. RD., MT. AIRY, MD. 21771
 DATE: 8/28/86
 DRAWN BY: J. B. BROWN
 CHECKED BY: J. B. BROWN
 SCALE: AS SHOWN
 SHEET NO. 36 OF 36
 TOTAL SHEETS: 36

boender associates
 engineers/surveyors/planners
 301-466-7777



J. B. BROWN, P.E.
 12-19-86



Pt. 144

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE
 COUNTRY VIEW WAY

SEPTIC TANK. LEVEL 1500 GAL - OK CLEANOUTS ST OK INLINE - OK
 DISTRIBUTION BOX. LEVEL OK Baffle in
 DRAIN FIELD/TILE FIELD. DEPTH

1	2	3	4
9.5	9	9	9

 TRENCH WIDTH 2 FT. INLET DEPTH

1	2	3	4
5	5	5	5

 FT.
 EFFECTIVE GRAVEL DEPTH

1	2	3	4
4.5	4	4	4

 FT. TOTAL LENGTH

1	2	3	4
26	26	26	26

 FT.
 NUMBER OF TRENCHES 4 ONE SIDEWALL/BOTTOM AREA

1	2	3	4
342	304	276	276

 SQ. FT.
 DRYWELL INSIDE DIAMETER FT. EFFECTIVE DEPTH BELOW INLET FT.
 ABSORBENT AREA 1198 SQ. FT.

REMARKS 3/5/90 ^{1100 AM} LOCATION OK - TRENCH #1 DUG RH 3/5/90 ^{345 PM} TRENCH #1 OK
 TRENCH #2 DUG. ADD STONE. TRENCH #3 DIG LONGER & ADD STONE
 DIG TRENCH #4 HOOK UP TANK RH
3/6/90 FINISH STONE IN (4) + COVER WHEN READY MR

DATE SYSTEM APPROVED 3/6/90 INSPECTOR M. Riskin

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

P 45623

A 33518

DISTRICT 4th

DATE 7/28/90

DATE SYSTEM APPROVED 3/6/90

INSPECTOR M. Riskin

04-345746

INDEXED

Dave Hopkins IS PERMITTED TO INSTALL X ALTER

ADDRESS 17550 Old Frederick Road, Mt. Airy, Maryland 21771 PHONE 831-7257

SUBDIVISION Country View Estates ROAD 17502 Country View Way LOT 1

PROPERTY OWNER Mr. Gary Barnard Donald P. Turner

ADDRESS _____

~~EXCEEDS SEWER MAINS USE INCREASE SEPTIC TANK CAPACITY BY 50% AND ABSORPTION AREA BY 20%~~ Addition - Pool House

~~SANITARY GROUND WATER PROTECTION DISTRICT~~

**BLDG. PERMIT SIGNED
AND RETURNED 10-24-95
Serial # 62307**

SEPTIC TANK CAPACITY 1250 GALLONS NUMBER OF BEDROOMS 4

TRENCHES - 280 sq. ft. per bedroom. Trench to be 2 feet wide. Inlet 5 feet below original grade. Bottom maximum depth 9 feet below original grade. Effective area begins at 5 feet below original grade. 4 feet of stone

LOCATION - below distribution pipe. Place the distribution box 260 feet from the front lot line and 80 feet from the left side line as seen when facing the lot from Country View Way. Run the trenches on contour towards the left line.

***NOTE: TRENCHES TO BE 70' IN LENGTH.**

NOTE - Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank.

PLANS APPROVED BY Raymond Hodges CM DATE 07/24/89

COVER NO WORK UNTIL INSPECTED AND APPROVED

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM

NOTE: CLEANOUT REQUIRED EVERY 70 FEET OF SEWER LINE AND/OR AT 90° SWEEPS IN LINES FROM HOUSE TO DRAIN FIELDS

NOTE: ALL PARTS OF SEPTIC SYSTEMS (I.E. TANK, DISTRIBUTION BOX, TRENCHES) TO BE 100 FEET FROM WELL (UNLESS OTHERWISE SPECIFICALLY AUTHORIZED)

NOTE: IF DEEP TRENCHES ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCHES

NOTE: NO DRY WELL SHALL EXCEED 15 FOOT IN DIAMETER NO ABSORPTION TRENCH TO EXCEED 100 FEET IN LENGTH

NOTE: ALL PIPE FROM HOUSE TO SEPTIC TANK MUST BE CAST IRON OR SCHEDULE 40 PVC OR ABS

PERMIT VOID AFTER TWO YEARS

NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE 6 INCHES IN DIAMETER. CAST IRON, CONCRETE OR TERRA COTTA OR PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET, MANHOLE TO GRADE REQUIRED

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

**BLDG. PERMIT SIGNED
AND RETURNED 7/28/94
Serial # 52443 -
Inground pool**

**BLDG. PERMIT SIGNED
AND RETURNED 7/6/94
Serial # 53740 Pool House**

***INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT**

BLDG. PERMIT SIGNED *CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

**HD-260 AND RETURNED 8/2/96
Serial # 409101918 - deck**

A 33518

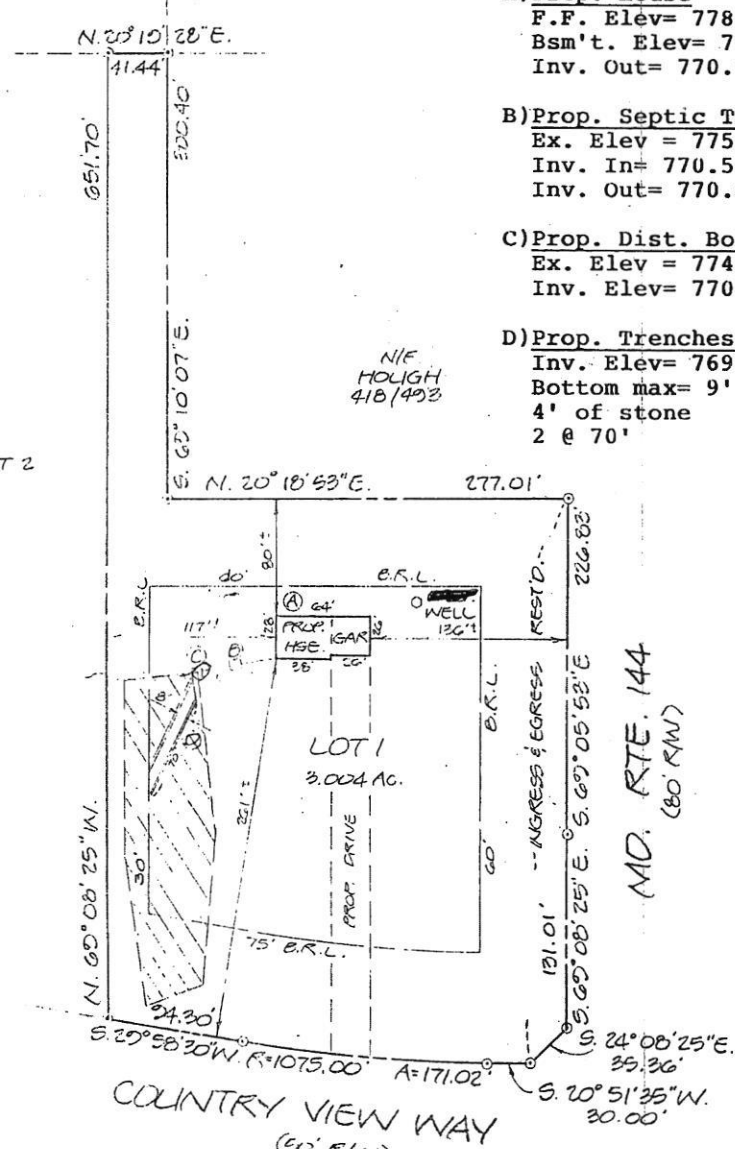
NIF
L.E. MUMMAU
PLAT 3862

NIF
HOUGH
583/200

- A) Prop. House
F.F. Elev = 778.0'
Bsm't. Elev = 769.5'
Inv. Out = 770.78'
- B) Prop. Septic Tank
Ex. Elev = 775.0'
Inv. In = 770.54'
Inv. Out = 770.24'
- C) Prop. Dist. Box
Ex. Elev = 774.7'
Inv. Elev = 770.0'
- D) Prop. Trenches
Inv. Elev = 769.7'
Bottom max = 9'
4' of stone
2 @ 70'

LOT 2

NIF
HOUGH
418/493



MD. RTE. 144
(80' R/W)

COUNTRY VIEW WAY
(60' R/W)

PLOT PLAN
LOT 1
COUNTRY VIEW
SITUATED ON COUNTRY VIEW WAY
ELECTION DISTRICT NO. 4
HOWARD COUNTY, MARYLAND
SCALE: 1" = 100' JUNE 1989

7/24/89
RHANS OK
RHODES



I CERTIFY THIS PLAT TO BE CORRECT; IT IS THE RESULT OF AN ACTUAL FIELD SURVEY, BASED ON DATA FOUND AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND, AS REFERENCED HEREON.



VANMAR ASSOCIATES INC.
Engineers-Surveyors-Planners
310 South Main Street, Mount Airy, Maryland 21771
(301) 829-2890 (301) 831-5015

REFERENCE	JOB NO.
FLAT NO. 7320	88-1786

NT859



PROPOSED PV ARRAY LOCATION
Scale: NTS

KEY



AREA TO BE CLEARED
PRIOR TO INSTALL

**James C
Douglas**

Digitally signed by
James C Douglas
Date: 2025.07.15
17:02:59 -04'00'

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: 3/15/2).



Engineering Review is Limited Solely to the Structural Design of the SFUSA Structure. It Excludes All Civil, Electrical, and Other Non-Structural Project Elements.



SolarEnergyWorld
Because Tomorrow Matters

Solar Energy World LLC
14886 Switzer Lane
Lanar, MD 20707
(888) 497-3233

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International Residential Code (IRC) 2021

Electrical Code:
National Electrical Code (NEC) 2023

Wind Speed: 115 MPH Roof Load: 40 PSF

Modules:
(75) HANWHA Q. TRON BLK
M-G2+ 435W

Inverters:
(5) Tesla 1538000-xx-y (5.7 kW)

DC System Size: 32.625 kW AC System Size: 28.500 kW

Contract Information:
Peter Wood
17502 Country View Way
Mount Airy, MD 21771

Permitted under:
None

City: Howard County County: Potomac Edison

Project Name:
Proposed PV Array Location

Drawn By: AMP Date: June 30, 2025

Scale: AS NOTED Job Number: MD25891 Sheet: A-1

per site

James C Douglas
 Digitally signed by James C Douglas
 Date: 2025.07.15 17:03:22 -04'00'

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: 3/15/22.



Engineering Review is Limited Solely to the Structural Design of the SFUSA Structure. It Excludes All Civil, Electrical, and Other Non-Structural Project Elements.

SolarEnergyWorld
 Because Tomorrow Matters

Solar Energy World LLC
 14880 Swartz Lane
 Laurel, MD 20707
 (888) 497-3233

Disclaimer:
 This drawing is the property of Solar Energy World Inc. The information herein contained shall be used for the sole benefit of Solar Energy World. It shall not be disclosed to others outside the recipient's organization, in whole or in part, without the written permission of Solar Energy World, except in connection with the sale and use of the respective Solar Energy equipment.

International Residential Code (IRC) 2021

National Electrical Code (NEC) 2023

115 MPH 40 PSF

(75) HANWHA Q. TRON BLK M-G2+ 435W

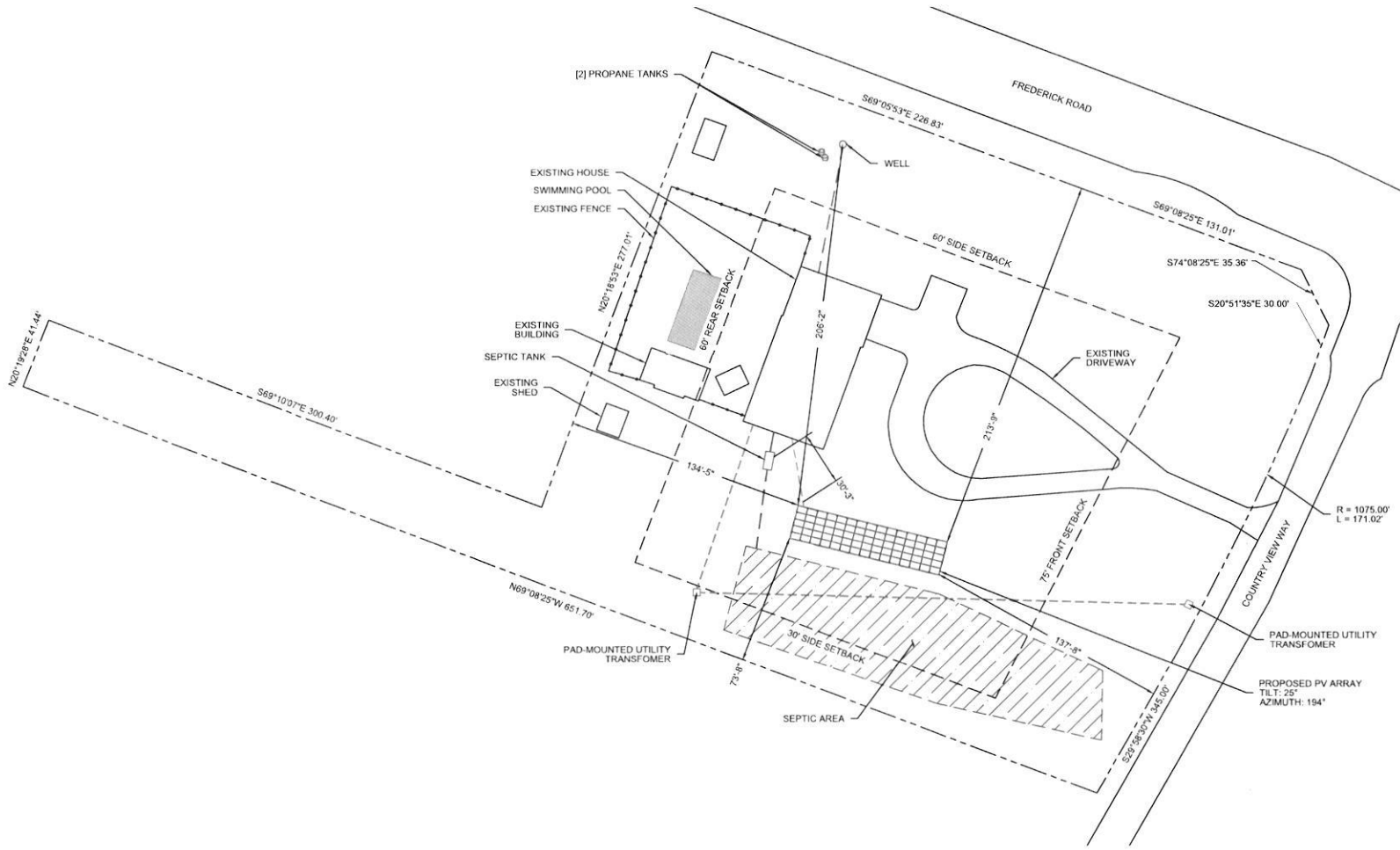
(5) Tesla 1538000-xx-y (5.7 kW)

32.625 kW 28.500 kW

Peter Wood
 17502 Country View Way
 Mount Airy, MD 21771

None
 Howard County Potomac Edison

Site Plan
 Drawn by: AMP Date: June 30, 2025
 Status: AS NOTED Job Number: MD25891 Sheet: A-2



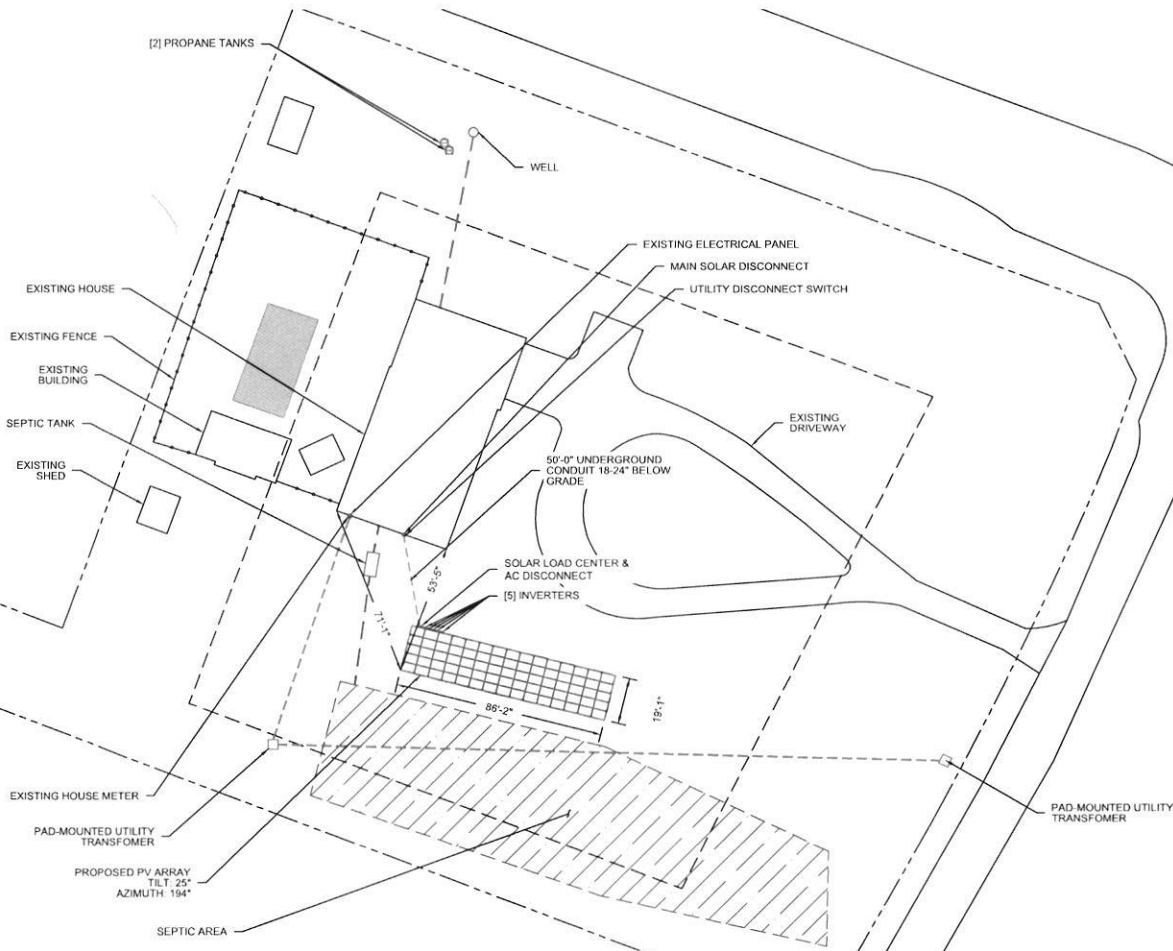
- NOTES:**
- THIS DRAWING IS TO PROVIDE REFERENCE FOR THE INSTALLATION OF GROUND MOUNT PHOTOVOLTAIC ARRAYS.
 - THE SYSTEM SHALL INCLUDE (75) HANWHA Q. TRON BLK M-G2+ 435W MODULES (DIMENSIONS: 67.8" (L) x 44.6" (W) x 1.18" (D) AND WEIGHING 46.7 LBS (PANEL DEAD LOAD = 2.22PSF))
 - THE SOLAR FOUNDATIONS RACKING WILL BE INSTALLED PER MANUFACTURER'S INSTALLATION MANUAL.
 - THE PROPOSED ARRAY SHALL COVER APPROX. 1625,26SQ FT. OF THE 3 AC. PROPERTY.
 - EQUIPMENT LOCATION PLAN IS APPROXIMATE, EXACT LOCATION TO BE VERIFIED WITH INSTALLATION CREW AND HOME OWNER AT THE TIME OF INSTALLATION.

SITE PLAN
 Scale: 1" = 60'-0"

LEGEND

WILDLIFE & FOREST PRESERVATION	SOLAR CONDUIT
WATER BODIES & FLOOD PLAINS	WATER
WETLANDS	OVERHEAD ELECTRICAL
	UNDERGROUND ELECTRICAL
	SEWER
	GAS

Revised



NOTES:

1. THIS DRAWING IS TO PROVIDE REFERENCE FOR THE INSTALLATION OF GROUND MOUNT PHOTOVOLTAIC ARRAYS.
2. THE SYSTEM SHALL INCLUDE (75) HANWHA Q.TRON BLK M-G2+ 435W MODULES [DIMENSIONS: 67.8" (L) x 44.6"(W) x 1.18" (D) AND WEIGHING 46.7 LBS (PANEL DEAD LOAD = 2.22PSF)]
3. THE SOLAR FOUNDATIONS RACKING WILL BE INSTALLED PER MANUFACTURER'S INSTALLATION MANUAL.
4. THE PROPOSED ARRAY SHALL COVER APPROX. 1625.26SQ.FT. OF THE 3 AC. PROPERTY.
5. EQUIPMENT LOCATION PLAN IS APPROXIMATE, EXACT LOCATION TO BE VERIFIED WITH INSTALLATION CREW AND HOME OWNER AT THE TIME OF INSTALLATION.

EQUIPMENT LOCATION PLAN

Scale: 1" = 50'-0"

LEGEND

	WILDLIFE & FOREST PRESERVATION		SOLAR CONDUIT
	WATER BODIES & FLOOD PLAINS		WATER
	WETLANDS		OVERHEAD ELECTRICAL
			UNDERGROUND ELECTRICAL
			SEWER
			GAS

James C Douglas
 Digitally signed by James C Douglas
 Date: 2025.07.15 17:03:45 -04'00'

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: 3/15/27.



Engineering Review is Limited Solely to the Structural Design of the SPUSA Structure. It Excludes All Civil, Electrical, and Other Non-Structural Project Elements.

SolarEnergyWorld
 Because Tomorrow Matters

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 14880 Sweitzer Lane
 Laurel, MD 20707
 (888) 487-3233

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Building Code:
 International Residential Code (IRC) 2021

Electrical Code:
 National Electrical Code (NEC) 2023

Wind Speed:
 115 MPH / 40 PSF

Module:
 (75) HANWHA Q. TRON BLK M-G2+ 435W

Inverter:
 (5) Tesla 1538000-xx-y (5.7 kW)

DC System Size:
 32.625 kW / 28.500 kW

Contract Information:
 Peter Wood
 17502 Country View Way
 Mount Airy, MD 21771

Contract Area:
 None

City:
 Howard County / Potomac Edison

Project Name:
 Equipment Location Plan

Drawn By:
 AMP / June 30, 2025

Scale:
 AS NOTED / MD25891 / E-1

Revised