

*Approved MPE 5/8/24*

Record Detail (This section is required.)

Permit Type Building/Residential/Misc/Solar Panel Permit Number B24001574 Opened Date 04/30/2024  
 Description of Work SFD / INSTALL (56) GROUND MOUNTED SOLAR PANELS, 18.48 KW\*\*SUBJECT TO FIELD INSPECTION\*\*

[check spelling](#)

*Online BP.  
 5/1/24*

Address (This section is required.)

Search Reset Clear Get Parcel & Owner

Street # 2565 Street Name MULLINIX MILL Street Type RD  
 Unit Type --Select-- Unit # X Coordinate -77.14108 Y Coordinate 39.29897  
 City MOUNT AIRY State MD Zip Code 21771 Primary 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
904104	42	6.2	164000	778700	518000	RURAL

Legal Description 6.2 A [ ]2565 MULLINIX MILL RD [ ]MY AIRY

[check spelling](#)

Block	Lot	Census Tract	Council Dist	Inspection Dist	Supervisor Dist	Map #	DAP Zone
		604001	5				

Plan Area State Tax Id 1404314034 Subdivision Name

Section Area Tax Map 12

Grid 12-17 Zoning District RC-DEO ADC Map 4810-H3

SDP No. Final Plan No. WP File No.

Record Plat No. WS Contract No. FDP No. Primary Yes

Owner Occupied Year Built 1981 Historic District  Yes  No

Historic District Registry No. Stat Area 4-04 Flood Plain  Yes  No

Building No

Owner (This section is required.)

Search Reset Clear

Name KHAKS  
 Address Line 1 2565 MULLINIX MILL RD  
 Address Line 2  
 Address Line 3  
 Mail City

MOUNT AIRY

Mail State MD
Mail Zip Code 21771
Phone 410-579-2009
Primary Yes
E-mail permitting@solarenergyworld.com
Cell Number Fax Number

Professionals (This section is required.)

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

Applicant (This section is required.)

Search As Owner As Lic. Prof As Contact

Type Applicant
Relationship Applicant
Primary Yes
First Name ZACH
MI
Last Name NEUBAUER
Full Name ZACH NEUBAUER
Organization Name SOLAR ENERGY WORLD
Street Address 5681 MAIN STREET
Address Line 2
City ELKRIDGE
State MD
Zip Code 21075
Phone 410-579-5167
Cell
Fax
E-mail permitting@SOLAREENERGYWORLD.COM

Addtl Info

Est Construction Cost 43000
Housing Units 0
Number of Buildings 0
Public Owned 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
Existing Use Sprinkler System
SFD

PAYMENT INFORMATION



PROPOSED PV  
ARRAY LOCATION

PROPOSED PV ARRAY LOCATION

Scale: NTS

KEY



AREA TO BE CLEARED  
PRIOR TO INSTALL

James C  
Douglas

Digitally signed by James C Douglas  
DN: cn=X, o=New York,  
c=US, email=James.C.Douglas@  
state.md.us, postalCode=21084,  
Date: 2024.04.16 10:24:18 -0400

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: 3/15/25.



Engineering Review is Limited to Structural Design  
Only as it Pertains to the SFUSA Structure.



Solar Energy World  
Because Tomorrow Matters

Solar Energy World LLC  
14860 Swellizer Lane  
Laurel, MD 20707  
(888) 487-3233

This drawing is the property of Solar Energy World LLC. 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 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.

Building Code	
International Residential Code (IRC) 2021	
Code Book	
National Electrical Code (NEC) 2020	
Wind Speed	Roof Load
102 MPH	25 PSF
Module	
(56) TRINA TSM-DD06M.05(II) 330W	
Inverter	
(2) GW8600A-MS	
DC System Size	AC System Size
18.480 kW	17.200 kW
Customer Information	
Amir Khaksari 2565 Mullinix Mill Rd Mount Airy, MD, 21771	
Project Address	
2565 Mullinix Mill Rd	
City	State
Howard	Potomac; Edison
Project Name	
Proposed PV Array Location	
Drawn By	Date
AT	April 16, 2024
Sheet	Sheet
AS NOTED	MD18696
A-1	

**James C Douglas**

Digitally signed by James C Douglas  
DN: c=US, o=New York,  
ou=Quantum, email=JCD@00001963CD,  
serial=541C50004M00, cn=James C  
Douglas  
Date: 2024.04.30 10:24:48 -0700

Professional Certification. I hereby certify that these documents were prepared by me and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 40027, Expiration Date: 3/15/25.



Engineering Review is Limited to Structural Design Only as it Pertains to the SFUSA Structure.



**Solar Energy World**  
Because Tomorrow Matters

Solar Energy World LLC  
14880 Swellizer 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 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.

Listing Code  
International Residential Code (IRC) 2021

Listing Code  
National Electrical Code (NEC) 2020

Wind Speed 102 MPH      Pressure 25 PSF

Model  
(56) TRINA TSM-DD06M.05(H) 330W

Quantity  
(2) GW8600A-MS

DC System Size 18.480 kW      AC System Size 17.200 kW

Customer Name  
Amir Khaksari  
2565 Mullinix Mill Rd  
Mount Airy, MD, 21771

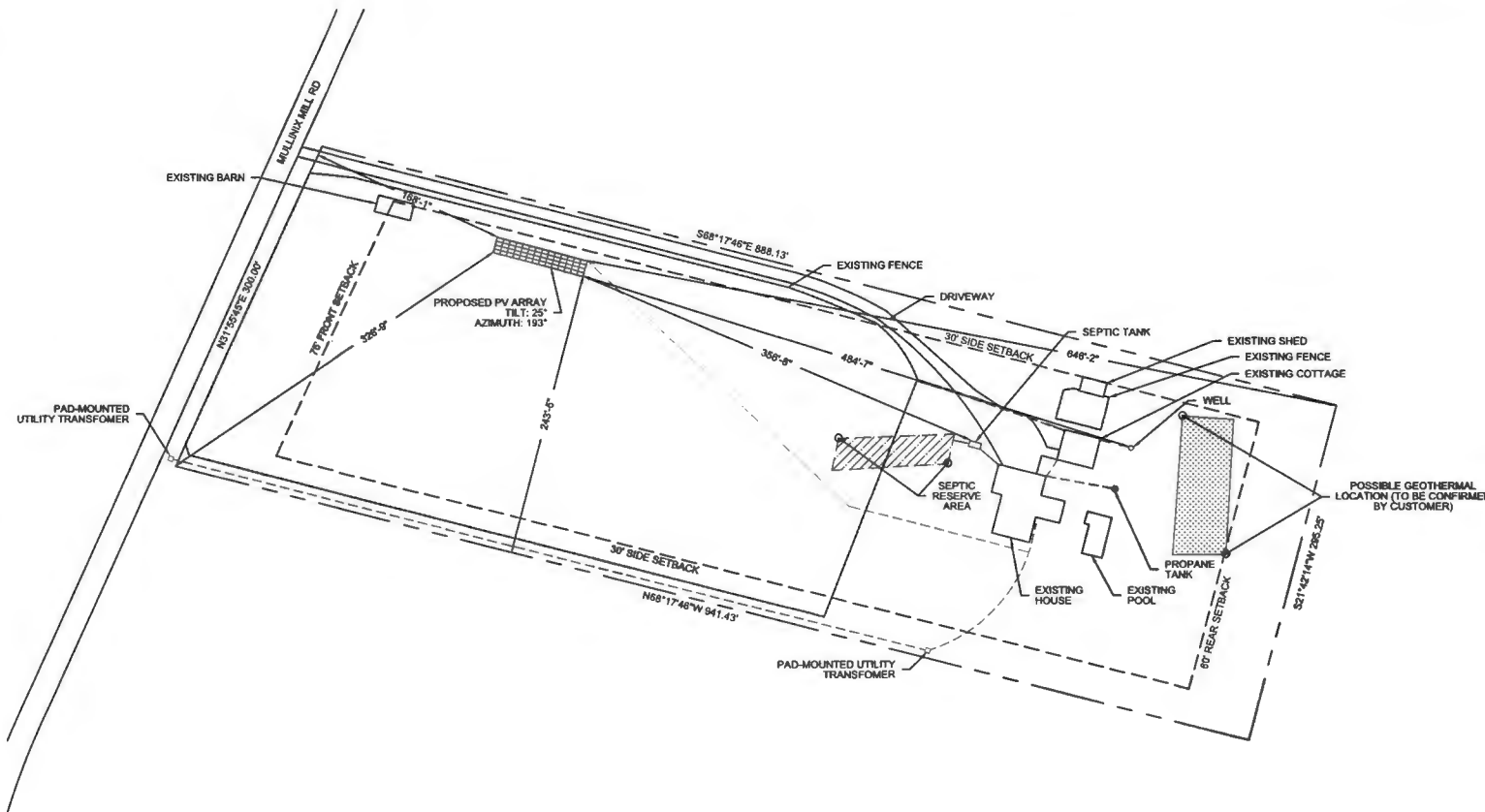
Project Name

City Howard      Utility Potomac Edison

Project Name Site Plan

Drawn By AT      Date April 16, 2024

Scale AS NOTED      Job Number MD18696      Sheet A-2



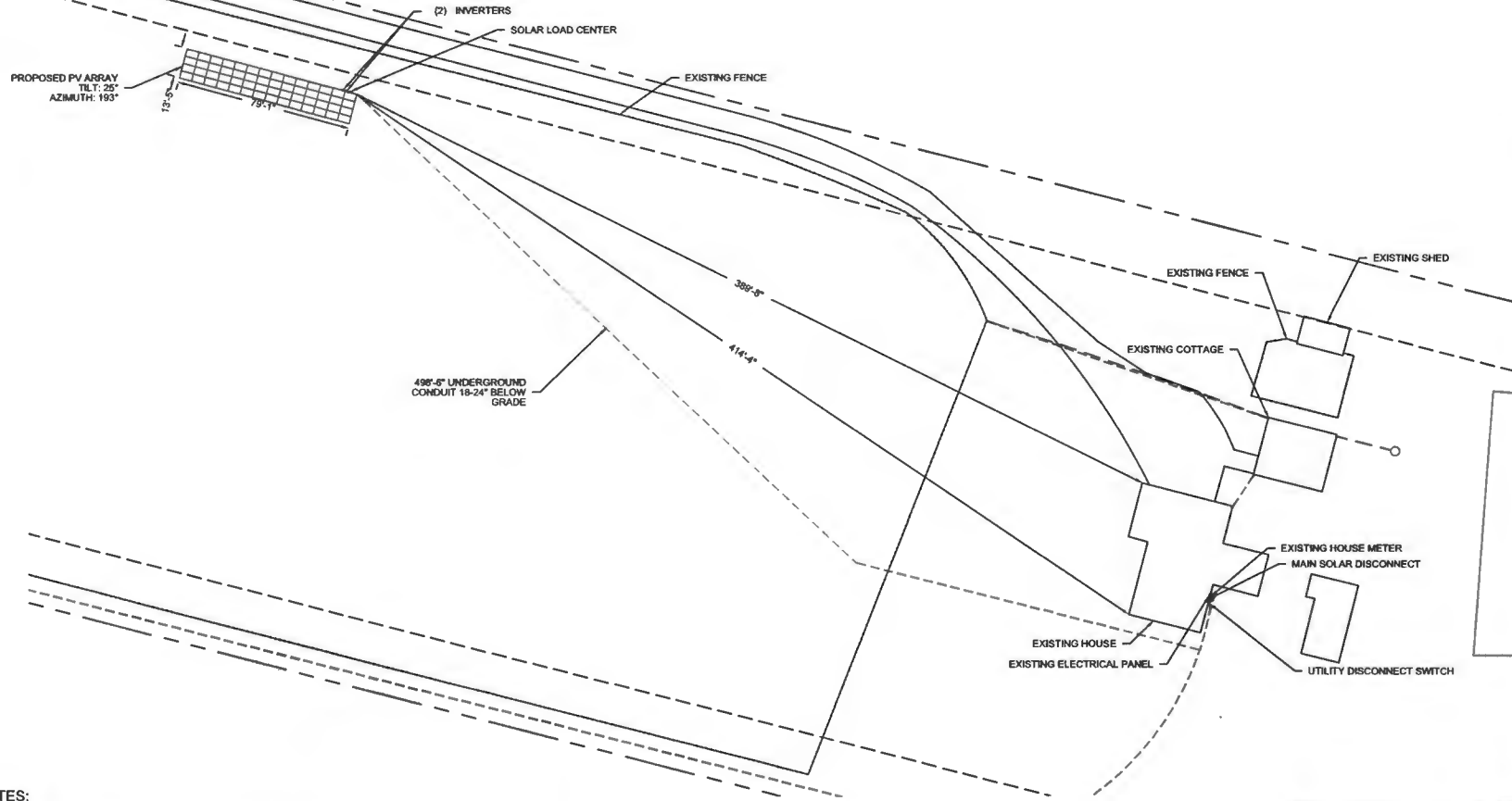
**NOTES:**

1. THIS DRAWING IS TO PROVIDE REFERENCE FOR THE INSTALLATION OF GROUND MOUNT PHOTOVOLTAIC ARRAYS.
2. THE SYSTEM SHALL INCLUDE (56) TRINA TSM-DD06M.05(H) 330W MODULES (DIMENSIONS: 66.86" (L) x 39.53"(W) x 1.39" (D) AND WEIGHING 41.23 LBS (PANEL DEAD LOAD = 2.25PSF))
3. THE SOLAR FOUNDATIONS RACKING WILL BE INSTALLED PER MANUFACTURER'S INSTALLATION MANUAL.
4. THE PROPOSED ARRAY SHALL COVER APPROX. 1061.71SQ.FT. OF THE 6.2 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" = 100'-0"

**LEGEND**

- SOLAR CONDUIT
- WATER
- OVERHEAD ELECTRICAL
- UNDERGROUND ELECTRICAL
- SEWER
- GAS



**NOTES:**

1. THIS DRAWING IS TO PROVIDE REFERENCE FOR THE INSTALLATION OF GROUND MOUNT PHOTOVOLTAIC ARRAYS.
2. THE SYSTEM SHALL INCLUDE (56) TRINA TSM-DD06M.05(II) 330W MODULES [DIMENSIONS: 66.86" (L) x 39.53" (W) x 1.38" (D) AND WEIGHING 41.23 LBS (PANEL DEAD LOAD = 2.25PSF)]
3. THE SOLAR FOUNDATIONS RACKING WILL BE INSTALLED PER MANUFACTURER'S INSTALLATION MANUAL.
4. THE PROPOSED ARRAY SHALL COVER APPROX. 1081.71SQ.FT. OF THE 8.2 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**

- SOLAR CONDUIT
- WATER
- OVERHEAD ELECTRICAL
- UNDERGROUND ELECTRICAL
- SEWER
- GAS

**James C Douglas**

Digitally signed by James C Douglas  
DN: c=US, o=New York  
#CN=James C Douglas (418300044680, cn=James C Douglas  
Date: 2024.04.30 10:28:19 -0500

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: 3/15/25.



Engineering Review is Limited to Structural Design Only as it Pertains to the SFUSA Structure.



**Solar Energy World**  
Become Tomorrow Matters

Solar Energy World LLC  
14880 Swartzler Lane  
Lanese, MD 20707  
(888) 497-3233

**Address:**  
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.

**Building Code:**  
International Residential Code (IRC) 2021

**Electrical Code:**  
National Electrical Code (NEC) 2020

**Wind Speed:** 102 MPH      **Roof Load:** 25 PSF

**Module:**  
(56) TRINA TSM-DD06M.05(II) 330W

**System:**  
(2) GW8600A-MS

**DC System Size:** 18.480 kW      **AC System Size:** 17.200 kW

**Customer Information:**  
Amir Khaksari  
2565 Mullinix Mill Rd  
Mount Airy, MD, 21771

**Author:** Howard      **Check:** Polmar: Edison

**Sheet Name:** Equipment Location Plan

**Drawn By:** AT      **Date:** April 16, 2024

**Scale:** AS NOTED      **Job Number:** MD18696      **Sheet:** E-1

APPROVED  
3/13/81

P 3/225  
A 25461

# PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY

01-314034

ELLICOTT CITY

DISTRICT 4th

INDEXED

DATE 3/12/81

King Plumbing

IS PERMITTED TO INSTALL  ALTER

ADDRESS Hillmark Court, Frederick, Maryland PHONE \_\_\_\_\_

SUBDIVISION \_\_\_\_\_ ROAD 2565 Mullinix Mill Road LOT \_\_\_\_\_

PROPERTY OWNER William Brittle

ADDRESS 25517 Jonnie Court, Gaithersburg, Maryland 20760 Phone: 253-3057

SPECIFICATIONS 4 bedrooms (Garbage Grinder)

SEPTIC TANK CAPACITY 2000 GALLONS

DRAIN FIELD \_\_\_\_\_ DEPTH \_\_\_\_\_ FEET. BOTTOM AREA \_\_\_\_\_ SQ. FT.

DEEP TRENCH \_\_\_\_\_ DEPTH \_\_\_\_\_ FEET. BOTTOM AREA \_\_\_\_\_ SQ. FT.

SEEPAGE PITS \_\_\_\_\_ ABSORBENT SIDE-WALL AREA \_\_\_\_\_ SQ. FT.

INLET PIPE \_\_\_\_\_ FT. BELOW ORIGINAL GRADE. MAXIMUM DEPTH \_\_\_\_\_ FT. BELOW ORIGINAL GRADE

EFFECTIVE DEPTH AT \_\_\_\_\_ FT. BELOW ORIGINAL GRADE.

LOCATE DISPOSAL AREA \_\_\_\_\_ FT. FROM \_\_\_\_\_ LOT LINE AND \_\_\_\_\_ FT. FROM \_\_\_\_\_ LOT LINE AS SEEN WHEN

FACING LOT FROM  
**TRENCH SYSTEM** - To have 190 sq. ft. effective sidewall absorption area per bedroom below the first 3 ft. of non-porous soil. Trench inlet at 3 ft. below original grade with maximum depth of trench bottom at 8 ft. below original grade (around 5 1/2 ft. of gravel total). Start digging the first trench at the location of the highest perc test hole that is 265 ft. from the rear lot line and 94 ft. from the left side line, as seen when facing the property from Mullinix Mill Road. Continue to dig the trench towards the front lot line keeping it on level ground. The second trench is to be parallel and down-slope of the first trench around 12 to 15 ft. away. CALL FOR INSPECTION OF TRENCHES BEFORE PLACING GRAVEL IN THEM AND AFTER GRAVEL IS INSTALLED.

PLANS APPROVED BY Frank A. Skinner DATE 10/30/80

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: IF TRENCH IS USED CALL FOR INSPECTION BEFORE PLACING GRAVEL IN TRENCH.

NOTE: NO DRY WELL SHALL EXCEED 36 FOOT IN DIAMETER.

NOTE: ALL PIPE FROM HOUSE TO DISPOSAL AREA MUST BE CAST IRON.

PERMIT VOID AFTER THREE YEARS.

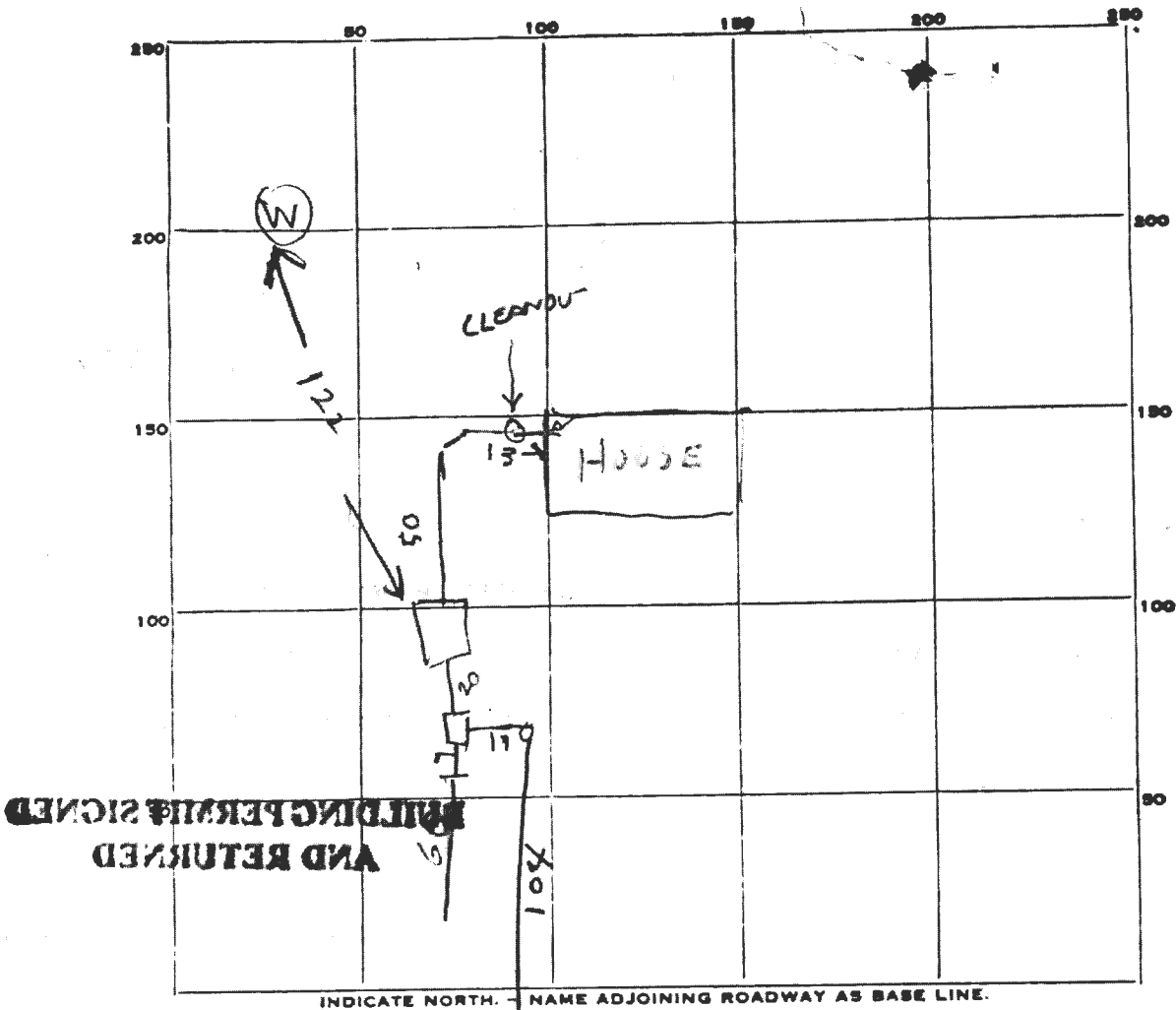
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE 6 INCHES IN DIAMETER. CAST IRON, CONCRETE OR TERRAZO ACCEPTED.

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

**BUILDING PERMIT SIGNED AND RETURNED 5-10-82**  
BODIES 962-2 STORY ADDITION  
42604 BODMBS2-UG LP TANK

**PERMIT SIGNED**  
**RETURNED 4-9-85**  
Serial # 27110968  
Howard P.P.T.

25461



INDICATE NORTH. NAME ADJOINING ROADWAY AS BASE LINE.

PERMIT CARD \_\_\_\_\_ ST

SEPTIC TANK, LEVEL OK 2000 CLEANOUTS OK

DISTRIBUTION BOX, LEVEL 8 1/2 x 4 1/2 x 7 1/2 LIQUID DEPTH BOX OK

TILE FIELD, DEPTH 

#1	#2
8	8 1/2 FT.

 TRENCH WIDTH 

#1	#2
2	2

 FT.

GRAVEL DEPTH 

#1	#2
5	5 1/2 IN.

 TOTAL LENGTH 

#1	#2
50	104

 FT. TOTAL = 164

NUMBER OF TRENCHES 2 TOTAL BOTTOM AREA 

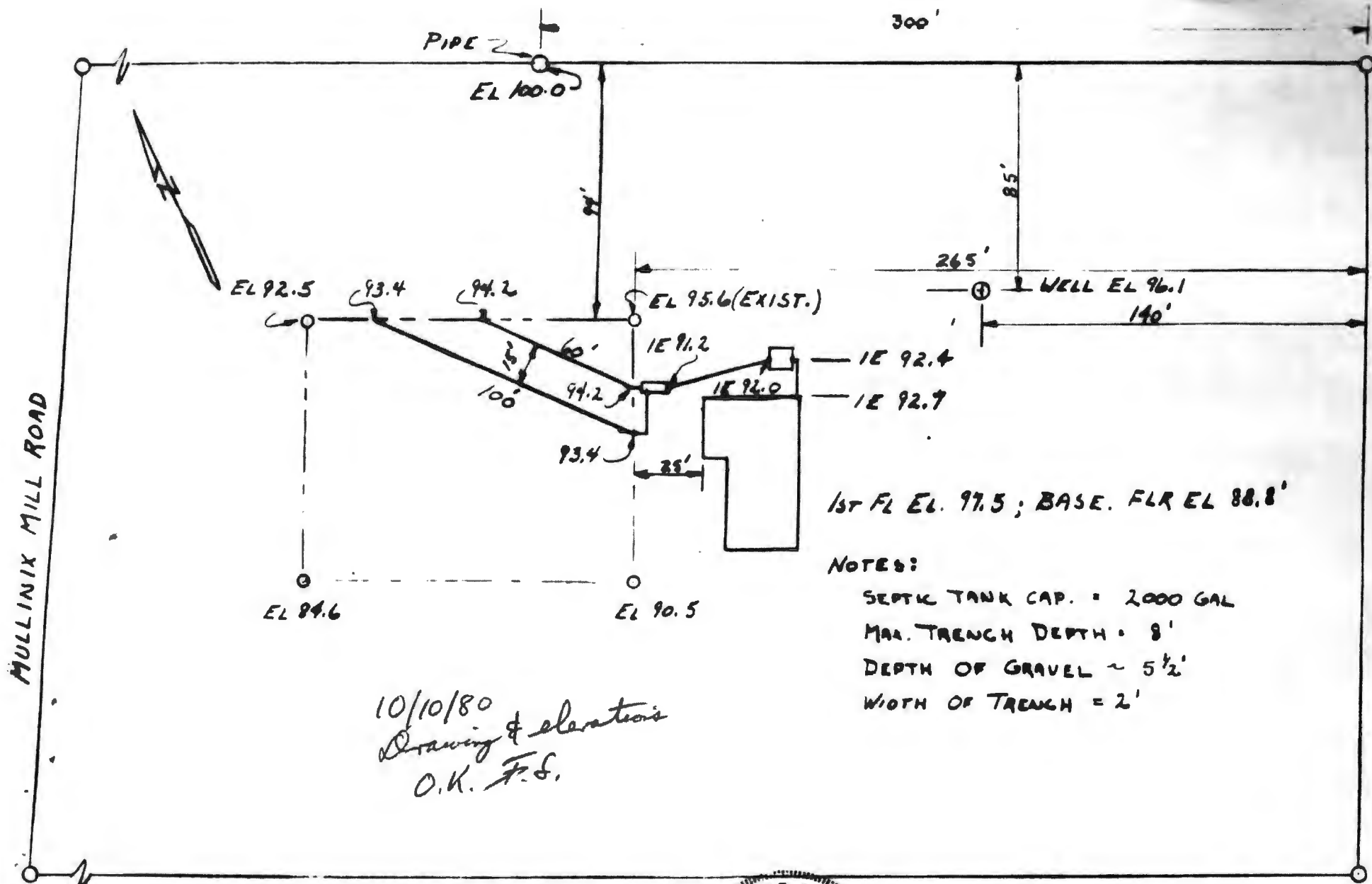
#1	#2
300	570

SEEPAGE PITS, INSIDE DIAMETER \_\_\_\_\_ FT. DEPTH BELOW INLET \_\_\_\_\_ FT.

ABSORBENT AREA \_\_\_\_\_ SQ. FT.

REMARKS 3/14/81 AM INLET DITCH #1 = 3 FT, INLET DITCH #2 = 3 1/2 FT  
ADD STONE TO DITCH OK TO COVER TANK & DRY WELL BH  
3/13/81 PM 4 x 190 = 760 SQ FT NEEDED  
300 + 570 = 870 SQ FT ABSORBENT AREA  
STONE ADDED OK TO COVER DITCH

DATE SYSTEM APPROVED 3/13/81 INSPECTOR Raymond Hodges



1st FL EL. 97.5 ; BASE. FLR EL 88.8'

NOTES:

- SEPTIC TANK CAP. = 2000 GAL
- MAX. TRENCH DEPTH = 8'
- DEPTH OF GRAVEL ~ 5 1/2'
- WIDTH OF TRENCH = 2'

10/10/80  
 Drawing & elevations  
 O.K. F.S.

William F. Brittle, Jr.



SCALE : 1" = 50' UNO

I CERTIFY THE ABOVE MEASUREMENTS AND ELEVATIONS ARE ACTUAL & CORRECT FOR THIS PROPERTY.

WELL & SEPTIC SYSTEM PLAT  
 W.F. BRITTLE, JR.  
 DRN. BY: WFB