

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

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

RECEIPT DATE: 3/25/2022 **ONSITE SEWAGE DISPOSAL SYSTEM**

P 571469

APPROVAL DATE: 4/12/2022 **PERMIT: CONSTRUCTION**

A

PROPERTY ADDRESS: 8030 Kayladine Lane

SUBDIVISION: Dustin Golden Fields

LOT: 9

TAX ID:

1405596598

CONTRACTOR: Hatfields

EMAIL: MHatfield@hatfieldsequipment.com

PO Box 519

CONTRACTOR ADDRESS: Annapolis Junction, MD 20701

PHONE: 301-490-4289

PROPERTY OWNER: Patrick C. Oguejafor

EMAIL:

OWNER ADDRESS: 8603 Crooked Tree Lane

PHONE:

SEPTIC TANK SIZE (GALLONS): 2000

TANK MANUFACTURER: Babylon Vault

PUMP MODEL: WEDSH

PUMP SIZE

0.5

PUMP TANK CAPACITY: 1500

DISTRIBUTION SYSTEM: GRAVITY

PRESSURE DOSED

BEDROOMS: 7

APPLICATION RATE: 0.8

TRENCHES:	LINEAR FEET REQUIRED: <u>219</u>	INLET DEPTH: <u>1.5</u>
	TRENCH WIDTH: <u>3</u>	MAXIMUM BOTTOM DEPTH: <u>8</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>10</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>5</u>
LOCATION:	PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND TANK LOCATIONS MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.	
NOTES:	<u>4 Trenches @ 54.69FT</u>	

ISSUED BY: Robert Freeman

ISSUE DATE: 4/8/2022

EXPIRATION DATE: 4/8/2023

NOTE: CONTRACTOR MUST SCHEDULE A PRE-CONSTRUCTION INSPECTION PRIOR TO BEGINNING ANY INSTALLATION

NOTE: CONTRACTOR MUST SCHEDULE AN INSPECTION AND GAIN APPROVAL OF ALL COMPONENTS PRIOR TO COVERING

NOTE: STONE MUST BE APPROVED BY HEALTH DEPARTMENT AND GRAVEL TICKET MUST BE AVAILABLE FOR REVIEW.

NOTE: WATERTIGHT TANKS REQUIRED

NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE AT LEAST 100 FEET DOWNGRADIENT FROM ANY WATER WELL

NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS

NOTE: AN ELECTRICAL PERMIT IS REQUIRED FOR INSTALLATION OF ANY ELECTRICAL COMPONENTS OF THE SYSTEM

ELECTRICAL PERMIT ISSUED E 22001580

NOTE: MDE RECOMMENDS SEPTIC TANKS, BAT, AND OTHER PRETREATMENT UNITS BE PUMPED AT A FREQUENCY ADEQUATE TO ENSURE THAT SOLIDS ARE NOT DISCHARGED TO THE DISPOSAL AREA

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

PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT.

CALL 410-313-1771 TO SCHEDULE INSPECTIONS.

NOT TO SCALE

SEE ATT.

ROAD NAME

TRENCH/DRAINFIELD DATA

WIDTH INLET BOTTOM

8' 1.5' 8'

NUMBER OF TRENCHES 4

TOTAL LENGTH 226'

ABSORPTION AREA 678 sq ft + sidewalk

DISTRIBUTION BOX LEVEL Pump

DISTRIBUTION BOX BAFFLE cement

DISTRIBUTION BOX PORT PVC

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL yes

MANUFACTURER Babylon

CAPACITY 2000 GAL

SEAM LOC top

TANK LID DEPTH 3'

BAFFLES inlet + outlet

BAFFLE FILTER -

MANHOLE LOC inlet + outlet

6" PORT LOC -

WATERTIGHT TEST -

SLOTTED yes

DATE ON LID 3-11-22

PUMP/SEPTIC TANK LEVEL yes

MANUFACTURER Babylon

CAPACITY 1500 GAL

SEAM LOC top

TANK LID DEPTH 3'

BAFFLES -

BAFFLE FILTER -

MANHOLE LOC inlet + outlet

6" PORT LOC -

WATERTIGHT TEST -

SLOTTED no

DATE ON LID 3-14-22

PRE-CONSTRUCTION:

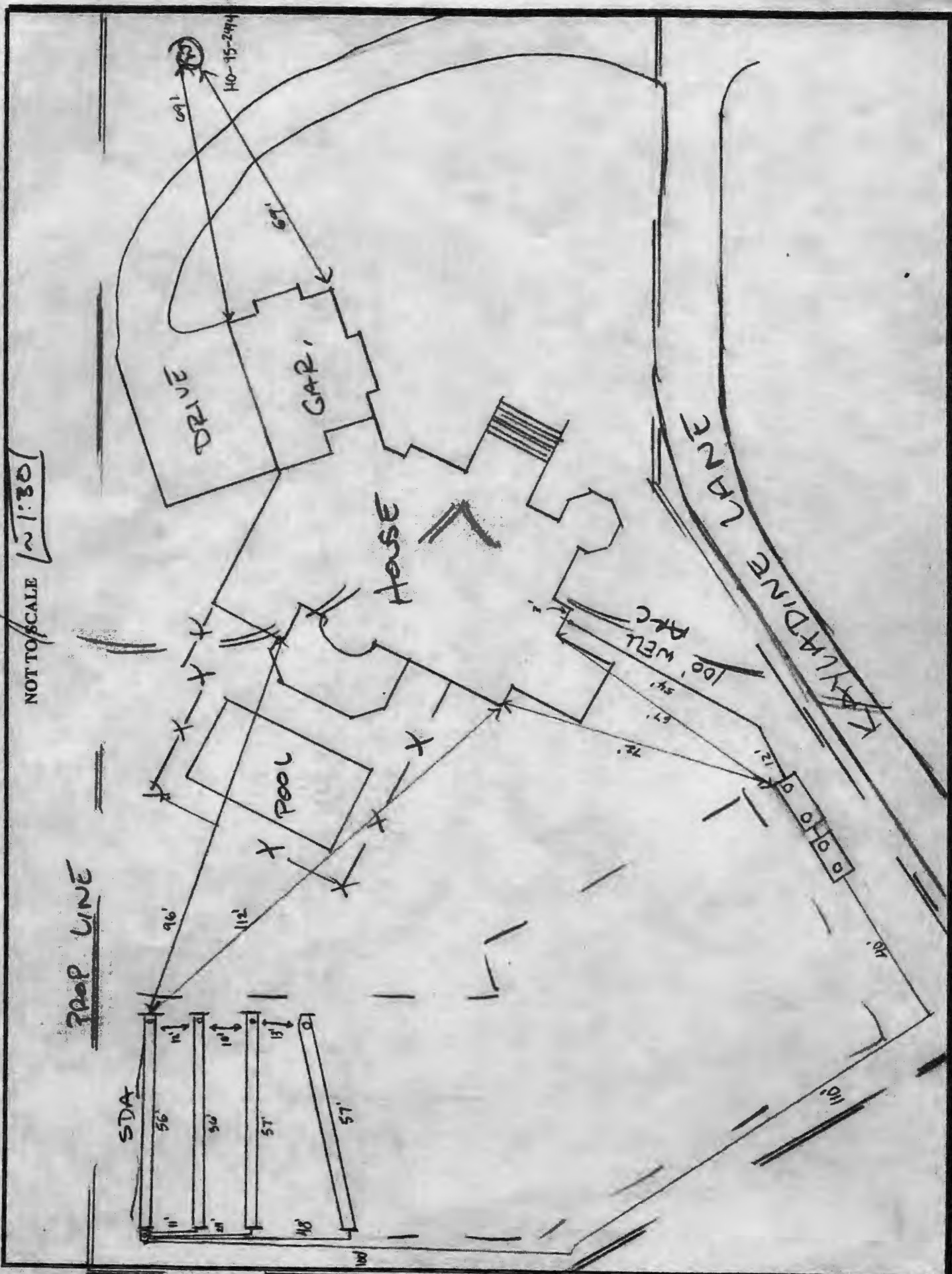
04/08/2022 CONFIRMED 4x55' TRS ON CONTOUR. (P)

INSTALLATION: 9/14/22 4x56' trenches installed. D-box set (P) 4/18/22 SHC and SL constructed Tanks set. FM installed (see photos attached. Work done on holiday) Re-insp for P+A. (SD) 9/1/23 - P+A ok - builder installed a man made swale over top of the existing new trenches and some more of the SOA where the 1st & 2nd systems are to be installed. KW spoke to builder, swale must be removed. 9/13/23 - site inspection to see if man made swale was removed, but it was still there in the same location on top of the trenches and it seemed bigger. (P)

9/15/2023 Issues w/ swale in SOA removed.

FINAL INSPECTOR K. Wolf

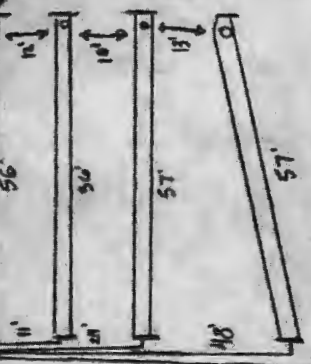
DATE OF APPROVAL 9/15/2023



NOT TO SCALE ~ 1:30

3000 LINE

SDA



96'

112'

DRIVE

GAR.

HOUSE

POOL

100' WELL ARC

KAYLADINE LANE

8030 KAYLADINE LANE

HO-15-2494

January 30, 2024

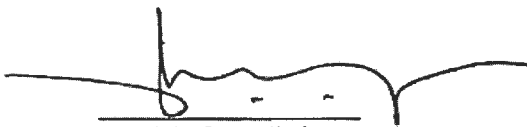
Mike Davis
Director
Howard County Health Dept.

*approved
in location
shown in 1/16/24 site
plan. Saw 2/12/24*

Dear Mr. Davis,

I, **Patrick Oguejiofor**, homeowner at 8030 Kayladine Ln, Fulton, MD, 20759. I'm writing this letter to ask for a waiver in needing to meet the required setback distance to the sewage disposal area to allow Sunrun Installation Services to complete the installation of ground mounted solar panels on my property mentioned above. This solar installation will be in an area that is at least the minimum 5ft. from the sewage disposal area and in a cleared area that is only reserved for a future septic system replacement and not the current septic system.

Thank you for your attention to this matter, and we appreciate your consideration of our request.



Patrick Oguejiofor
Home Owner

WARNING
ELECTRICAL SHOCK HAZARD

TERMINALS ON LINE AND LOAD SIDES MAY BE ENERGIZED IN THE OPEN POSITION

LABEL LOCATION:
INVERTER(S), AC/DC DISCONNECT(S), AC COMBINER PANEL (IF APPLICABLE), PER CODE(S): NEC 2020: 690.13(B), CEC 2022: 690.13(B)

WARNING
DUAL POWER SUPPLY

SOURCES: UTILITY GRID AND PV SOLAR ELECTRIC SYSTEM

LABEL LOCATION:
UTILITY SERVICE METER AND MAIN SERVICE PANEL, PER CODE(S): NEC 2020: 705.12(C), CEC 2022: 705.12(C)

WARNING
POWER SOURCE OUTPUT CONNECTION

DO NOT RELOCATE THIS OVERCURRENT DEVICE

LABEL LOCATION:
ADJACENT TO PV BREAKER AND ESS OCPD (IF APPLICABLE), PER CODE(S): NEC 2020: 705.12(B)(3)(2), CEC 2022: 705.12(B)(3)(2)

RAPID SHUTDOWN SWITCH FOR SOLAR PV SYSTEM

LABEL LOCATION:
INSTALLED WITHIN 3' OF RAPID SHUT DOWN SWITCH PER CODE(S): NEC 2020: 690.56(C)(2), CEC 2022: 690.56(C)(2), IFC 2018: 1204.5.3

SOLAR PV SYSTEM EQUIPPED WITH RAPID SHUTDOWN

TURN RAPID SHUTDOWN SWITCH TO THE "OFF" POSITION TO SHUT DOWN PV SYSTEM AND REDUCE SHOCK HAZARD IN THE ARRAY.

4"

3"

LABEL LOCATION:
ON OR NO MORE THAT 1 M (3 FT) FROM THE SERVICE DISCONNECTING MEANS TO WHICH THE PV SYSTEMS ARE CONNECTED, PER CODE(S): NEC 2020: 690.56(C), CEC 2022: 690.56(C)

- NOTES AND SPECIFICATIONS:
- SIGNS AND LABELS SHALL MEET THE REQUIREMENTS OF THE NEC 2020 ARTICLE 110.21(B), UNLESS SPECIFIC INSTRUCTIONS ARE REQUIRED BY SECTION 690, OR IF REQUESTED BY THE LOCAL AHJ.
 - SIGNS AND LABELS SHALL ADEQUATELY WARN OF HAZARDS USING EFFECTIVE WORDS, COLORS AND SYMBOLS.
 - LABELS SHALL BE PERMANENTLY AFFIXED TO THE EQUIPMENT OR WIRING METHOD AND SHALL NOT BE HAND WRITTEN.
 - LABEL SHALL BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED.
 - SIGNS AND LABELS SHALL COMPLY WITH ANSI Z535.4-2011, PRODUCT SAFETY SIGNS AND LABELS, UNLESS OTHERWISE SPECIFIED.
 - DO NOT COVER EXISTING MANUFACTURER LABELS.

CAUTION:
MULTIPLE SOURCES OF POWER

AC DISCONNECT (EXT)
INVERTER (EXT)
MAIN PANEL (INT)
AC DISCONNECT (EXT)
SERVICE ENTRANCE (EXT)

8030 KAYLADINE LN, FULTON, MD, 20759

PER CODE(S): NEC 2020 : 705.10, 710.10, CEC 2022: 705.10, 710.10

PV SYSTEM DISCONNECT

MAXIMUM AC OPERATING CURRENT: 53.24 AMPS
NOMINAL OPERATING AC VOLTAGE: 240 VAC

LABEL LOCATION:
AC DISCONNECT(S), PHOTOVOLTAIC SYSTEM POINT OF INTERCONNECTION, PER CODE(S): NEC 2020: 690.54, CEC 2022: 690.54

SUNRUN

MHIC #115875
8887 YELLOW BRICK RD, ROSEDALE, MD, 21237-2303
PHONE 0
FAX 0

CUSTOMER RESIDENCE:
PATRICK OGUEJIOFOR
8030 KAYLADINE LN, FULTON,
MD, 20759

TEL. (301) 676-3363
APN: 05-596598

PROJECT NUMBER:
252R-0300GUE

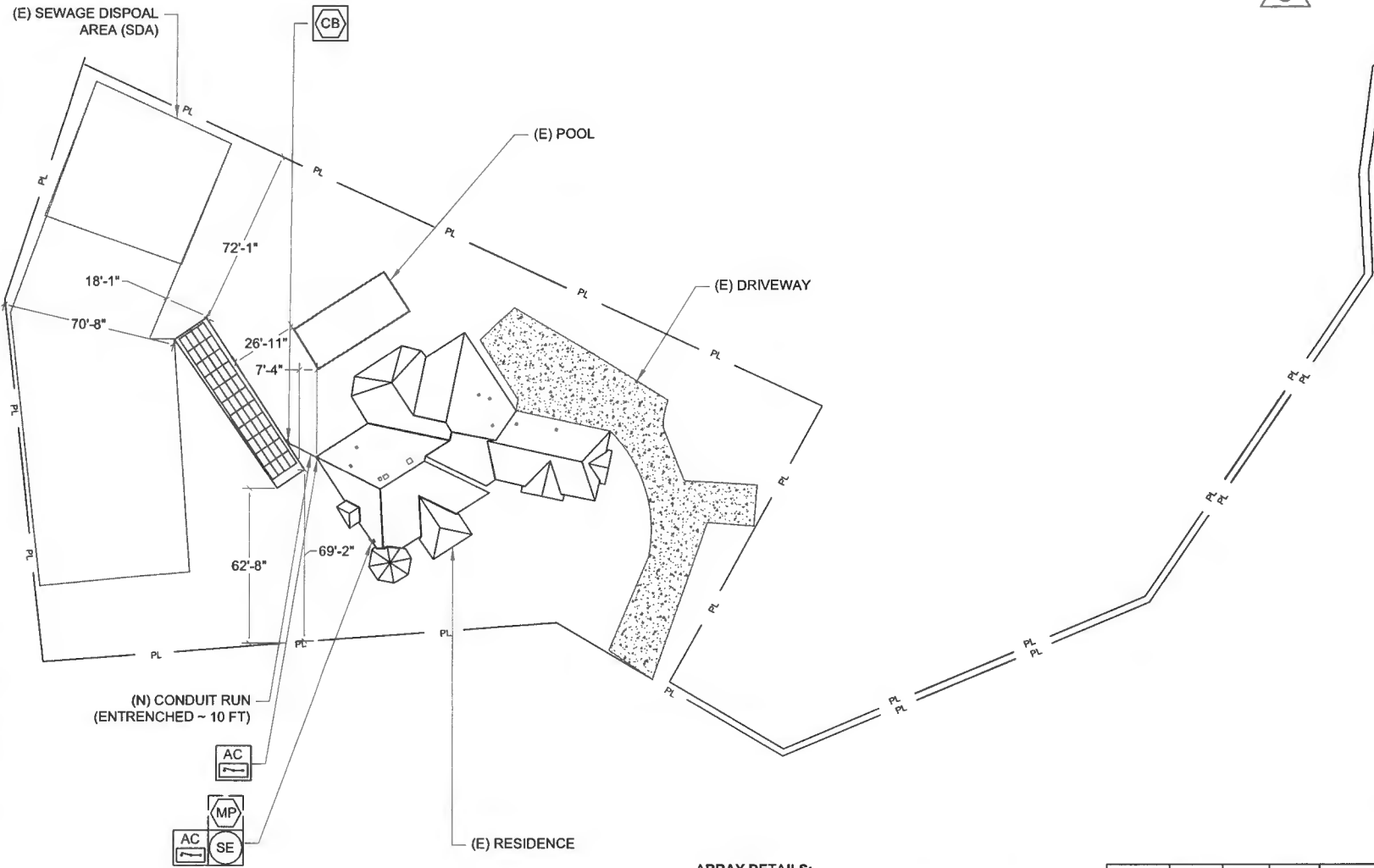
DESIGNER: (415) 580-6920 ex3
JEAN RUDAKEMWA

SHEET
SIGNAGE

REV: C 1/16/2024

PAGE PV-4.0

SITE PLAN - SCALE = 3/128" = 1'-0"



ARRAY DETAILS:

- TOTAL ROOF SURFACE AREA: 7986 SQFT.
- TOTAL PV ARRAY AREA: 930,0 SQ FT.
- PERCENTAGE PV COVERAGE:
(TOTAL PV ARRAY AREA/TOTAL ROOF SURFACE AREA) * 100 = 11.6%

	ARRAY PITCH	TRUE AZIM	MAG AZIM	PV AREA (SQFT)
AR-01	30°	236°	247°	930

NOTE: MICRO-INVERTERS INSTALLED UNDER EACH MODULE

SUNRUN

ENGINEER ADDRESS:
225 BUSH ST, SUITE 1400
SAN FRANCISCO, CA 94104
P: 949-383-0993

MHIC #115875

8897 YELLOW BRICK RD, ROSEDALE, MD, 21237-2303
PHONE 0
FAX 0

CUSTOMER RESIDENCE:
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8030 KAYLADINE LN, FULTON,
MD, 20759

TEL: (301) 676-3363
APN: 05-596598

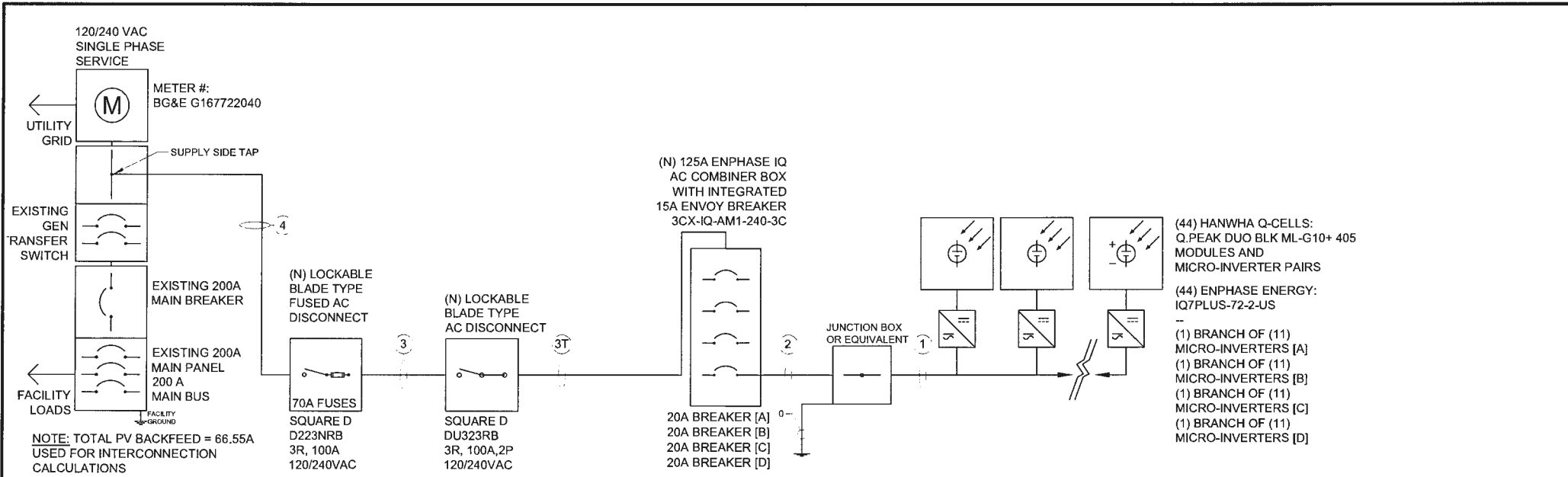
PROJECT NUMBER:
252R-030OGUE

DESIGNER: (415) 580-6920 ex3
JEAN RUDAKEMWA

SHEET
SITE PLAN

REV: C 1/16/2024

PAGE
PV-2.0



CONDUIT SCHEDULE

#	CONDUIT	CONDUCTOR	NEUTRAL	GROUND
0	NONE	NONE	NONE	(1) 6 AWG BARE COPPER
1	NONE	(2) 12 AWG PER ENPHASE Q CABLE BRANCH	NONE	(1) 10 AWG BARE COPPER
2	1" EMT OR EQUIV.	(8) 10 AWG THHN/THWN-2	NONE	(1) 8 AWG THHN/THWN-2
3	1" EMT OR EQUIV.	(2) 4 AWG THHN/THWN-2	(1) 8 AWG THHN/THWN-2	(1) 8 AWG THHN/THWN-2
3T	1" SCH 40 PVC (BELOW GROUND) 1" SCH 80 PVC (ABOVE GROUND)	(2) 4 AWG THHN/THWN-2	(1) 8 AWG THHN/THWN-2	(1) 8 AWG THHN/THWN-2
4	1" EMT OR EQUIV.	(2) 4 AWG THHN/THWN-2	(1) 8 AWG THHN/THWN-2	(1) 8 AWG THHN/THWN-2

TAP DEVICE MUST BE MARKED "SUITABLE FOR USE ON THE LINE SIDE OF THE SERVICE EQUIPMENT" OR EQUIVALENT

MODULE CHARACTERISTICS
 HANWHA Q-CELLS: Q.PEAK DUO BLK ML-G10+ 405:
 405 W
 OPEN CIRCUIT VOLTAGE: 45.34 V
 MAX POWER VOLTAGE: 37.39 V
 SHORT CIRCUIT CURRENT: 11.17 A

SUNRUN

MHIC #115875

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 PHONE 0
 FAX 0

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 8030 KAYLADINE LN, FULTON,
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SHEET
ELECTRICAL

REV: C 1/16/2024

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