



CERTIFICATE OF NO EFFECT - HISTORIC RESOURCES

47-HP-2019

Dillaway Residence Solar Panels Installation

APPLICATION INFORMATION

LOCATION:	6725 E Palm Ln	APPLICANT:	Misty Wales
PARCEL:	129-29-076	COMPANY:	Elevation Solar
Q.S.:	13-43	ADDRESS:	2168 E Williams Field Rd #210 Gilbert, AZ 85295
CODE VIOLATION:	n/a	PHONE:	(480) 492-4232
ZONING:	R1-7 HP		

Request: For approval of new roof top solar panels at an existing residence.

Certificate of No Effect Criteria:

In accordance with the Section 6.122.D of the Zoning Ordinance, the Historic Preservation Officer:

- Finds that the proposed work is determined the proposed work is minor and clearly within the adopted Historic Preservation Plan;
- Requires that any modifications to the proposed work requested by the Historic Preservation Officer are agreed to by the owner/applicant; and
- Finds that the proposed work will not diminish, eliminate, or adversely affect the historic character of the subject property or the HP District.

STIPULATIONS

1. Final plans shall substantially conform to the site plan stamped approved by Current Planning Staff on August 14, 2019.
2. Roof top solar panels shall be placed on the back/south side of the roof and shall project a maximum of 8" off the roof elevation.

CONSTRUCTION DOCUMENT PLAN REVIEW SUBMITTAL REQUIREMENTS

Please resubmit required documents under plan check number 4057-19.

Expiration of this Certificate of No Effect Determination

This approval expires two (2) years from date of approval if a permit has not been issued, or if no permit is required, work for which approval has been granted has not been completed.

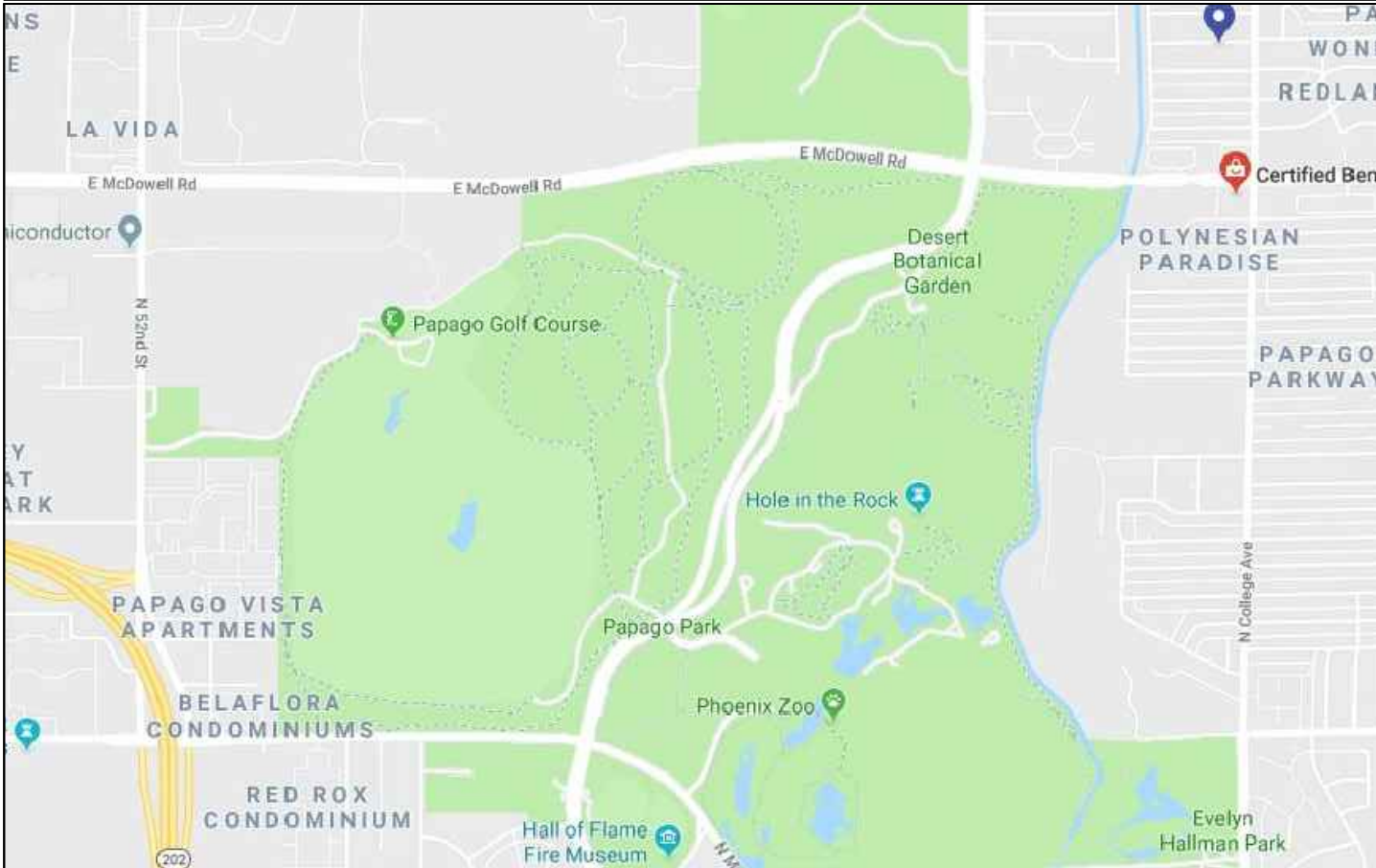













SIGNATURE:

DATE: 8/14/19

Katie Posler, 480-312-2703

Planning and Development Services

7447 E Indian School Road Suite 105, Scottsdale, AZ 85251 • www.ScottsdaleAZ.gov

VICINITY MAP		ABBREVIATIONS		LEGEND	
		<div>A AC AHJ BLDG CB CP DC EGC EMT EQ FSB GALV GEC GND I IBC IFC Imp INV(S) Isc kVA kW LBW LC MAX MIN MP NEC NTS OC Phom POI PV PVC RBC SFD STC SUB SWH TCF TYP UON V Vmp Voc W</div> <div>AMPERE ALTERNATING CURRENT AUTHORITY HAVING JURISDICTION BUILDING COMBINER BOX COMBINER PANEL DIRECT CURRENT EQUIPMENT GROUNDING CONDUCTOR ELECTRICAL METALLIC TUBING EQUAL FIRE SETBACK GALVANIZED GROUNDING ELECTRODE CONDUCTOR GROUND CURRENT INTERNATIONAL BUILDING CODE INTERNATIONAL FIRE CODE CURRENT AT MAX POWER INVERTER(S) SHORT-CIRCUIT CURRENT KILOVOLT AMPERE KILOWATT LOAD BEARING WALL LOAD CENTER MAXIMUM MINIMUM MOUNTING PLANE NATIONAL ELECTRIC CODE NOT TO SCALE ON CENTER NOMINAL POWER POINT OF INTERCONNECTION PHOTOVOLTAIC POLYVINYL CHLORIDE RESIDENTIAL BUILDING CODE SINGLE FAMILY DWELLING STANDARD TESTING CONDITIONS SUB PANEL SOLAR WATER HEATER TEMPERATURE CORRECTION FACTOR TYPICAL UNLESS OTHERWISE NOTED VOLT VOLTAGE AT MAX POWER OPEN-CIRCUIT VOLTAGE WATT</div>		<div><div> INV</div><div> UTIL</div><div> MSP</div><div> UM</div><div> PVM</div><div> DC</div><div> AC</div><div> AC</div><div> LC</div><div></div><div></div><div></div><div></div><div>INVERTER (INTEGRATED DC DISCO)</div><div>UTILITY METER & SERVICE ENTRANCE</div><div>MAIN SERVICE PANEL</div><div>UTILITY METER</div><div>PV SYSTEM METER</div><div>DC DISCONNECT</div><div>AC DISCONNECT (UNFUSED)</div><div>AC FUSED DISCONNECT</div><div>LOAD CENTER</div><div>FENCE/BLOCK WALL</div><div>PROPERTY LINE</div><div>TRENCH</div><div>CONDUIT</div></div>	
GENERAL NOTES		SCOPE OF WORK		PAGE INDEX	
<div><div><div>1. EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE 2014 NEC, 2015 IRC, 2015 IFC AND ALL OTHER APPLICABLE REQUIREMENTS OF SCOTTSDALE</div><div>2. PHOTOVOLTAIC ARRAYS SHALL BE PROVIDED WITH DC GROUND-FAULT PROTECTION. NEC 690.41</div><div>3. DC GROUNDING ELECTRODE CONDUCTOR SHALL BE SIZED ACCORDING TO NEC 250 AND NEC690.47 B</div><div>4. DC GROUNDING ELECTRODE SHALL BE BONDED TO THE AC GROUNDING ELECTRODE AND THE CONDUCTOR SHALL BE NO SMALLER THAN THE LARGEST GROUNDING ELECTRODE CONDUCTOR, EITHER AC OR DC. NEC 690.47 (A) THROUGH (B)</div><div>5. THE AC GROUNDING ELECTRODE CONDUCTOR SHALL BE SIZED ACCORDING TO NEC 250.66 AND TABLE 310.15 B 6 FOR DWELLINGS. NEC 690.47 (A)</div><div>6. GROUNDING BUSHINGS ARE REQUIRED AROUND PRE-PUNCHED CONCENTRIC KNOCKOUTS ON THE DC SIDE OF THE SYSTEM. NEC 250.97</div><div>7. PV EQUIPMENT GROUNDING CONDUCTORS AND DEVICES SHALL COMPLY WITH 690.43 (A) THROUGH (C). ALL MODULE GROUND CONNECTIONS SHALL BE MADE IN ACCORDANCE WITH NEC 690.47</div></div><div><div>8. WORKING CLEARANCES AROUND THE EXITING ELECTRICAL EQUIPMENT AS WELL AS THE NEW ELECTRICAL EQUIPMENT WILL BE MAINTAINED IN ACCORDANCE WITH NEC 110.26</div><div>9. ALL PHOTOVOLTAIC SYSTEM CONDUCTORS WILL BE 90 DEGREE C RATED. NEC 690.31A, TABLE 310.16, TABLE 310.17</div><div>10. WHERE DC CONDUCTORS ARE RUN INSIDE THE BUILDING (OR ATTIC), THEY SHALL BE CONTAINED IN A METAL RACEWAY. NEC 690.31 (G)</div><div>11. ALL EXTERIOR CONDUIT, FITTINGS, AND BOXES SHALL BE RAIN-TIGHT AND APPROVED FOR USE IN WET LOCATIONS. NEC314.15</div><div>12. ANY CONDUCTORS EXPOSED TO SUNLIGHT SHALL BE LISTED AS SUNLIGHT RESISTANT. NEC 300.6 C1, 310.8 D</div><div>13. ALL METALLIC RACEWAYS AND EQUIPMENT SHALL BE BONDED AND ELECTRICALLY CONTINUOUS. NEC 250.90, 250.96</div><div>14. EQUIPMENT INTENDED FOR USE IN PV SYSTEMS SHALL BE LISTED OR FIELD LABELED FOR THE PV APPLICATION. NEC 690.4 (B)</div><div>FOR MORE INFO SEE NOTES AND REFERENCES PAGE</div></div></div>		<div>INSTALL (17) PANASONIC N330 VBHN330SA17 MODULE INSTALL (1) SOLAREEDGE - SE5000H-US INSTALL (17) SOLAREEDGE P400 POWER OPTIMIZERS INSTALL SOLAREEDGE MONITORING INSTALL J-BOX, RACEWAYS, AND WIRING INSTALL 30A AC DISCONNECT INSTALL 30A 2 POLE PV BREAKER TOTAL SYSTEM SIZE 5.61 kW (DC) INSTALL ELEVATION DEMAND MANAGER INSTALL NEW 200A/200A MAIN SERVICE PANEL</div>		<div><div><div>PV 1</div><div>COVER SHEET</div></div><div><div>PV 2</div><div>SITE PLAN</div></div><div><div>PV 3</div><div>PV LAYOUT</div></div><div><div>PV 4</div><div>DETAILS & UPLIFT CALCULATIONS</div></div><div><div>PV 5</div><div>ONE-LINE DIAGRAM</div></div><div><div>PV 5.1</div><div>THREE LINE DIAGRAM</div></div><div><div>PV 5.2</div><div>LOAD CONTROLLER DETAIL</div></div><div><div>PV 6</div><div>LABELS</div></div><div><div>CS</div><div>CUT SHEETS</div></div></div>	

ELEVATION SOLAR

ROC # is 298116
2212 E Williams Field Rd
Ste. 220
Gilbert, AZ 85295
866.624.5291

Module:

(17) PANASONIC N330 VBHN330SA17

Inverter:

(1) SOLAREEDGE - SE5000H-US

DC System Size:

5.610 kW

AC System Size:

5.00 kW

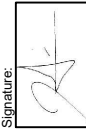
COVER PAGE

DILLAWAY RESIDENCE

6725 E. PALM LANE

SCOTTSDALE, ARIZONA 85257

Signature:



Design:

DM

Scale:

NTS

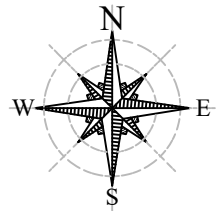
Date:

7/29/2019

Project:

DILLAWAY

PV 1



47-HP-2019

APPROVED

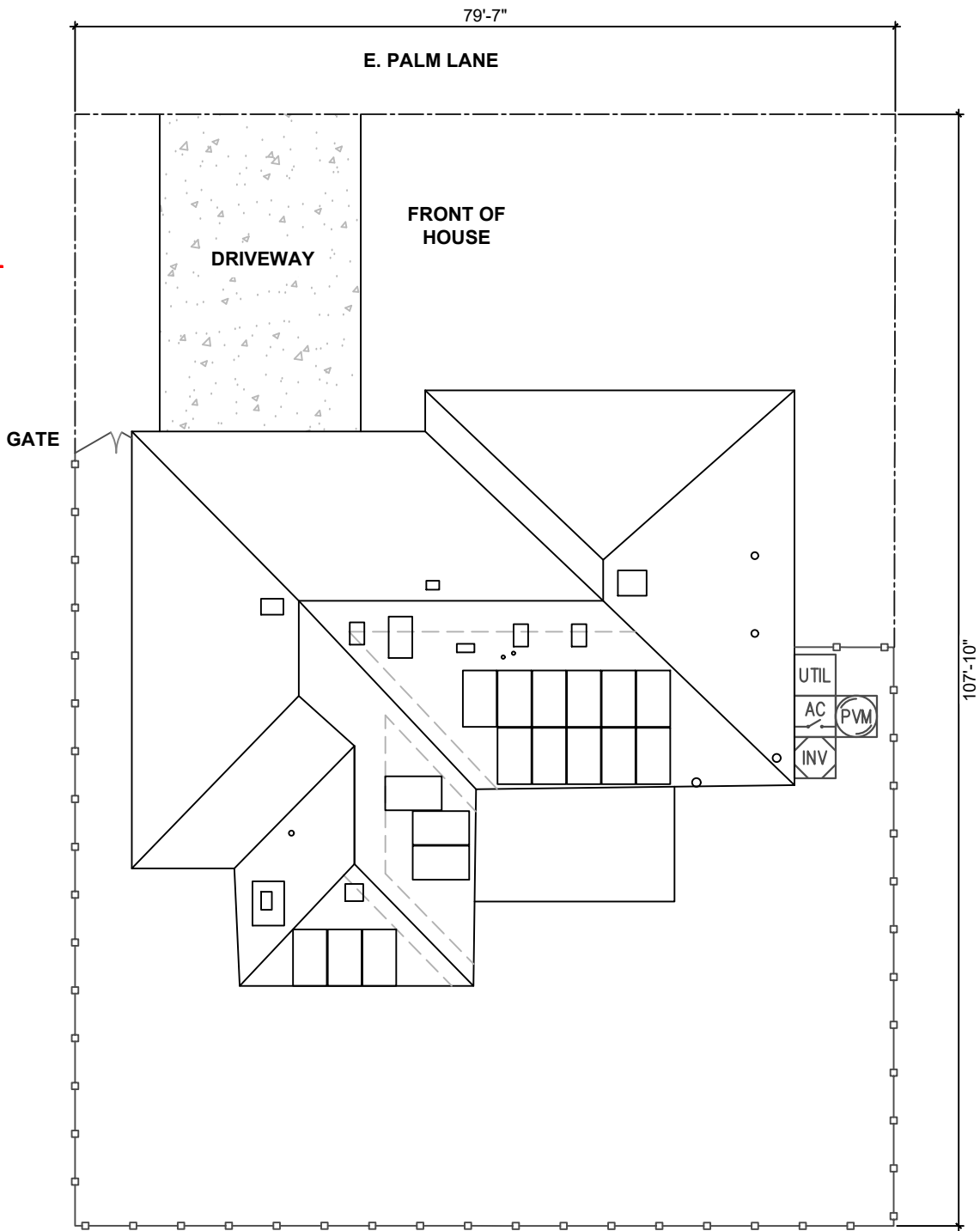
STIPULATION SET
RETAIN FOR RECORDS

8/14/19

KP

DATE

APPROVED BY



○ PV SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH NEC SECTION 690.17, 705.10, 705.12

○ NO NAOS OR PROTECTED NATIVE PLANTS SHALL BE AFFECTED BY INSTALLATION OF SOLAR PANELS

LEGEND

UTIL	ALL-IN-ONE UTIL. METER & MAIN SERVICE PANEL	UM	(E) UTILITY METER	AC	(N) FUSED UTILITY DISCONNECT	INV	(N) INVERTER (W/ DC DISCONNECT)	LC	(N) LOAD CENTER (COMBINER PANEL)	— — — — —	FENCE/BLOCK WALL
MSP	MAIN SERVICE PANEL (MSP)	PVM	(N) PV SYSTEM PRODUCTION METER	AC	(N) UNFUSED UTILITY DISCONNECT	DC	(N) DC DISCONNECT	SUB	(E) SUB PANEL	— — — — —	PROPERTY LINE
										— — — — —	CONDUIT
										— — — — —	TRENCH

SITE PLAN
DILLAWAY RESIDENCE
6725 E. PALM LANE
SCOTTSDALE, ARIZONA 85257

Signature:

Design: DM

Scale: 1/16" = 1'-0"

Date: 7/29/2019

Project: DILLAWAY

PV 2

ELEVATION
SOLAR

ROC # is 298116
2212 E Williams Field Rd
Ste. 220
Gilbert, AZ 85295
866.624.5291

Module:	(17) PANASONIC N330 VBHN330SA17
Inverter:	(1) SOLAREGE - SE5000H-US
DC System Size:	5.610 kW
AC System Size:	5.00 kW