

PUBLIC WORKS DEPARTMENT
INITIAL STUDY OF
ENVIRONMENTAL SIGNIFICANCE

PROJECT NUMBER: WH265H
CP# 19-15

PROJECT NAME: Solar PPA 10 Locations

PREPARED BY: Laura Cremin, Environmental Services Division *AB*

DATE: May 1, 2019

APPROVED BY: *Tees B. Moreno*

DATE: 5/6/2019

RECOMMENDATIONS:

Categorical Exemption: §15301 [Class 1a] and §15305 [Class 3e]

Negative Declaration

Environmental Impact Report Required

Conditional Negative Declaration

The project will not have a significant effect on the environment. The recommendation is based on the following: The project consists of the minor alteration of existing public structures, facilities, mechanical equipment, or topographical features, involving negligible or no expansion of use beyond that existing at the time of the lead agency's determination, pursuant to Section 15301(a) and the location of limited new small facilities; installation of small new equipment and facilities in small structures pursuant to Section 15303(e) of the State CEQA Guidelines.

What changes to the project would mitigate the identified impacts: N/A

USGS Quad Sheet: Richmond, Benicia, Walnut Creek, Antioch North	Base Map Sheet #: K-4, F-12, G-12, G-13, G-20	Parcel #: APN 540-082-033, APN 373-263-003, APN 376-210-034, APN 376-210-043, APN 162-493-009, APN 162-493-013, APN 162-493-014, APN 161-510-001, APN 074-080-031, APN 074-080-033
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GENERAL CONSIDERATIONS:

- Location:** The project is located at various County facilities throughout Contra Costa County (Figs 1-4).
- Project Description:** The purpose of this project is to install solar photovoltaic (PV) panels at ten Contra Costa facilities. The project will help achieve the greenhouse gas reduction and renewable energy goals of the County's Distributed Energy Resource Plan and Climate Action Plan.

The PV facilities are proposed to be located at:

- 1305 Macdonald Avenue, Richmond (APN 540-082-033): Proposed canopy arrays
- 1000 Ward Street, Martinez (APN 373-263-003): Existing rooftop arrays
- 50 Douglas Drive, Martinez (APN 376-210-034): Proposed canopy and existing rooftop arrays
- 30 Douglas Drive, Martinez (APN 376-210-043): Proposed canopy and existing rooftop arrays
- 30 Muir Road, Martinez (APN 162-493-009): Existing rooftop arrays
- 595 Center Avenue, Martinez (APN 162-493-013): Proposed canopy and existing rooftop arrays
- 597 Center Avenue, Martinez (APN 162-493-014): Existing rooftop arrays
- 2530 Arnold Drive, Martinez (APN 161-510-001): Proposed canopy arrays
- 4545 Delta Fair Boulevard, Antioch (APN 074-080-031): Proposed canopy arrays
- Site 10. 4549 Delta Fair Boulevard, Antioch (APN 074-080-033): Proposed canopy arrays

The project will install rooftop and parking lot solar PV systems and ground-mounted, containerized energy storage facilities systems (See attached project layouts). The rooftop arrays will be mounted on existing County buildings with flat or moderately slope roofs. The parking area arrays will be mounted on proposed canopies (carport style) in the existing already paved or graveled parking lot areas and will provide a shaded area for vehicles.

In the parking lot, minor trenching will occur and concrete piers (requiring excavation of 12 feet deep, 2.5 feet wide holes) and steel frames will be installed to support the solar PV modules, inverters, and conduit. Conduit (installed through horizontal boring) will connect solar energy systems to building electrical equipment.

Limited removal and or trimming of native and non-native landscape trees and shrubs will be necessary to install the parking area arrays and ensure the arrays are not shaded by vegetation. Removal of trees will be avoided to the extent feasible. Potential tree removal includes approximately: four trees at 1305 Macdonald Ave, six trees at 50 Douglas Drive, 21 trees at 30 Douglas Drive, six trees at 595 Center Avenue, 19 trees at 2530 Arnold Drive, nine trees at 4545 Delta Fair Boulevard, and seven trees at 4549 Delta Fair Boulevard. Permission from the City of Richmond would be obtained prior to tree removal at the 1305 Macdonald Avenue location.

The rooftop arrays will not affect the visual character of the buildings or the surrounding areas as they will be nondescript, not produce any glare (the photovoltaic panels are black and no-reflective to assist with absorption), and be placed alongside existing rooftop equipment. The parking area canopy arrays will be carport style and will not produce any glare, and will be placed in the existing footprint of the parking areas. It is not anticipated that either type of array will affect the aesthetic character of the sites because they are in developed areas with limited scenic views.

In order to minimize damage to trees, any roots exposed during construction activities will be clean cut. Appropriate Best Management Practices (BMPs) will be implemented during construction. General Plan Conformance will be necessary from the cities of Richmond, Martinez, and Antioch.

**PUBLIC WORKS DEPARTMENT
INITIAL STUDY OF
ENVIRONMENTAL SIGNIFICANCE**

3. **Does it appear that any feature of the project will generate significant public concern?**
 Yes No maybe (Nature of concern):
4. **Will the project require approval or permits by other than a County agency?**
 Yes No
5. **Is the project within the Sphere of Influence of any city?** Yes (Richmond, Martinez, and Antioch)

CONTRA COSTA COUNTY CALIFORNIA

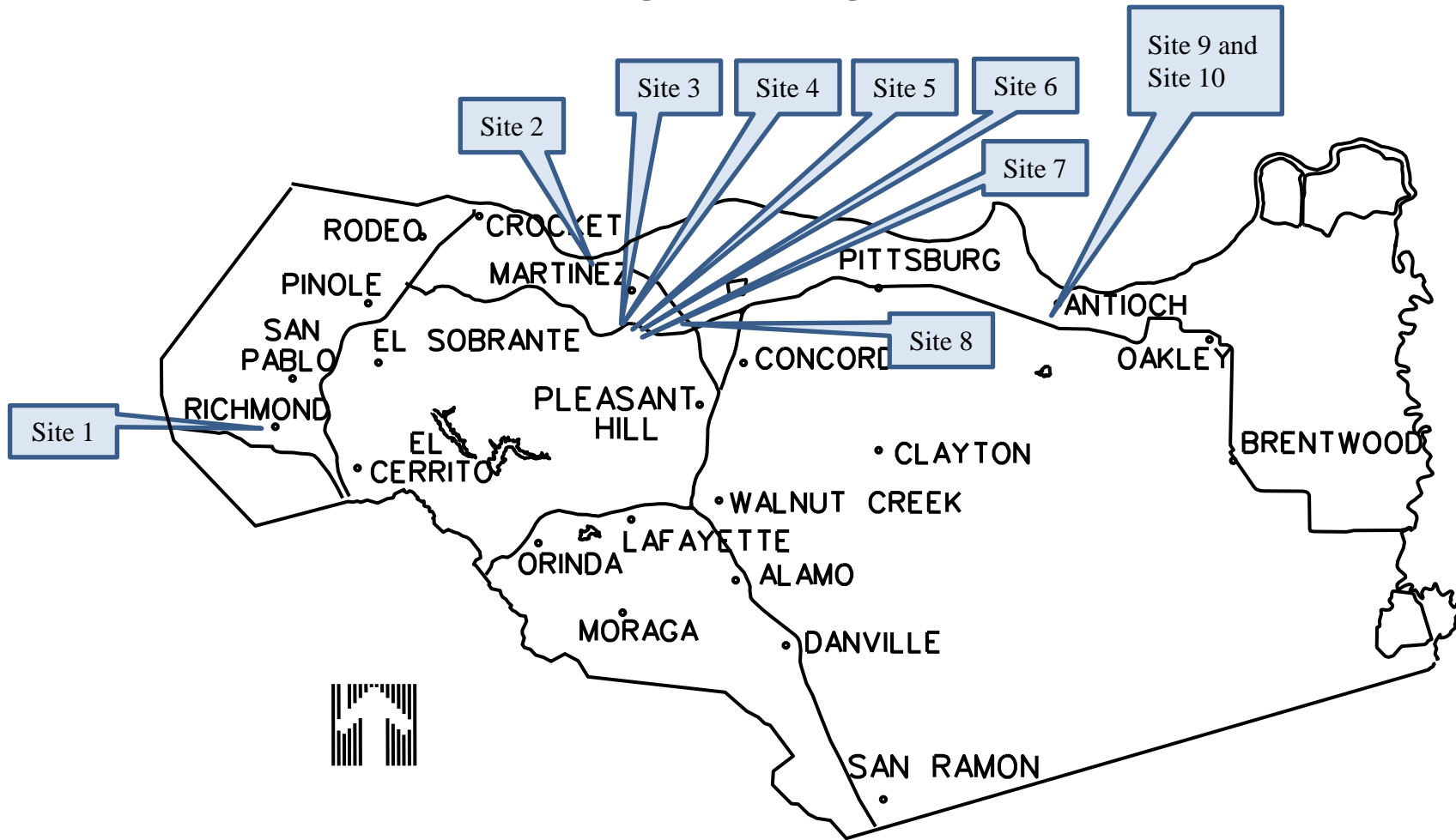


FIGURE 1: Regional Location Map

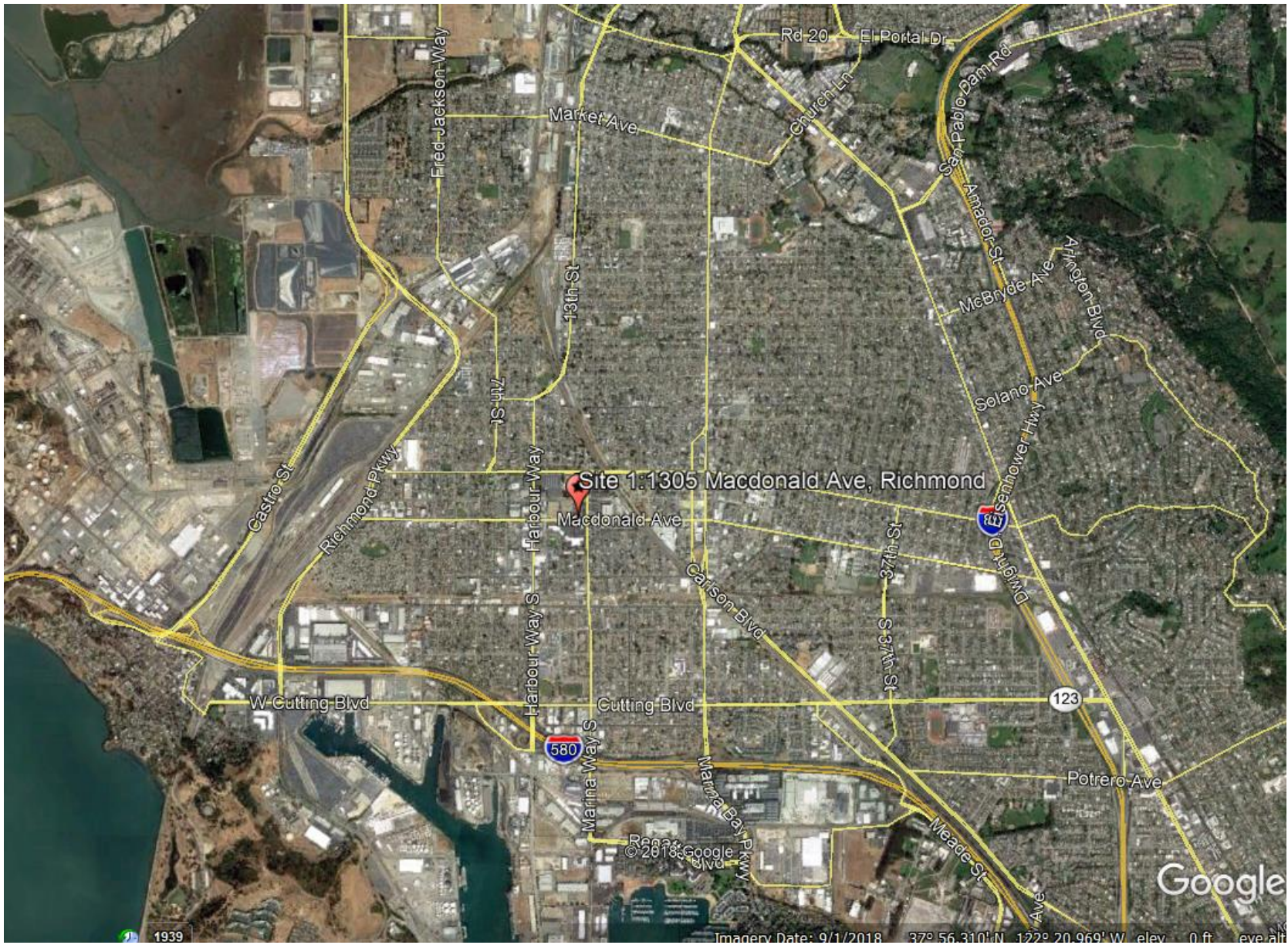


FIGURE 2: Project Vicinity Map – Site 1

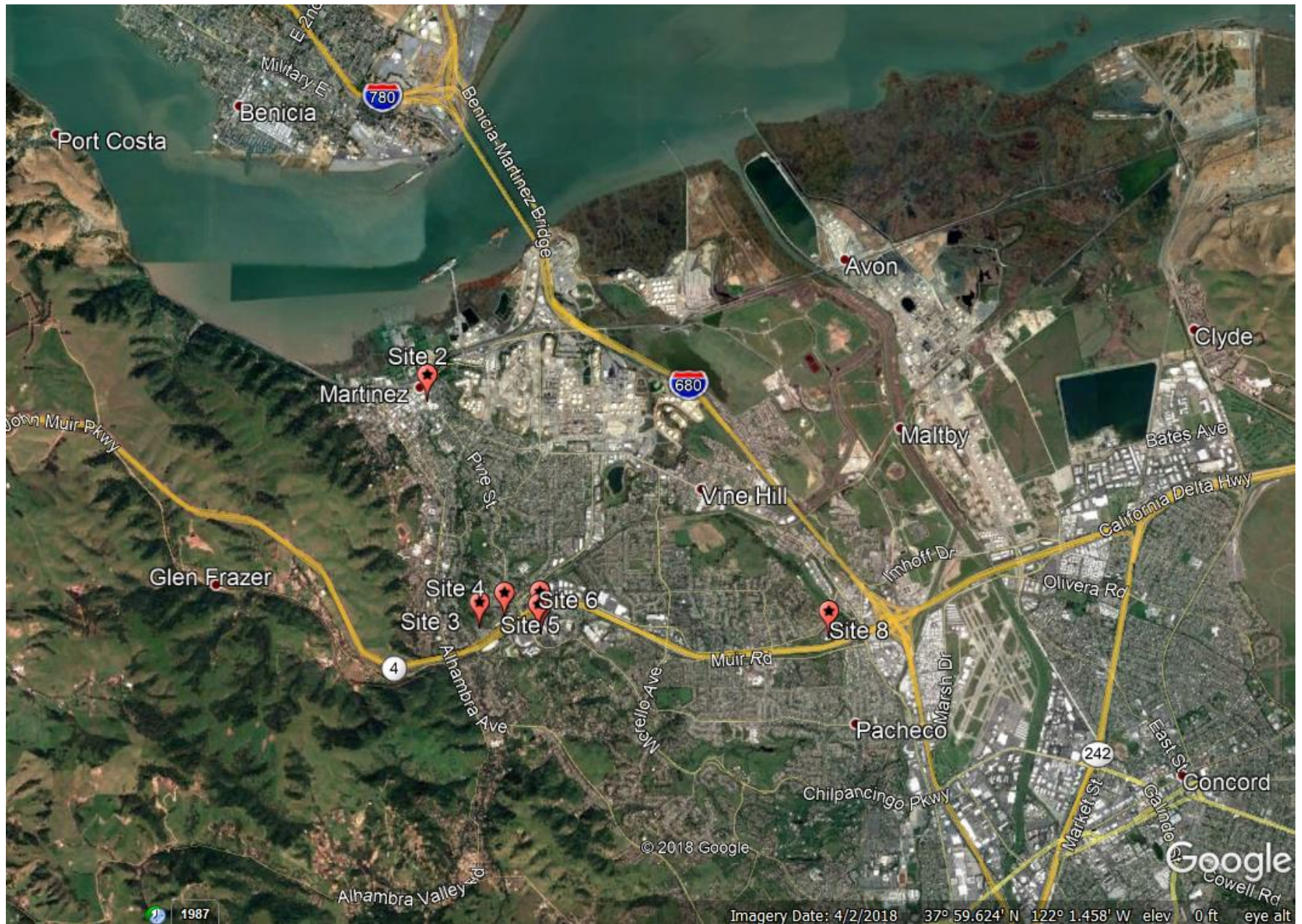


FIGURE 3: Project Vicinity Map – Sites 2 - 8

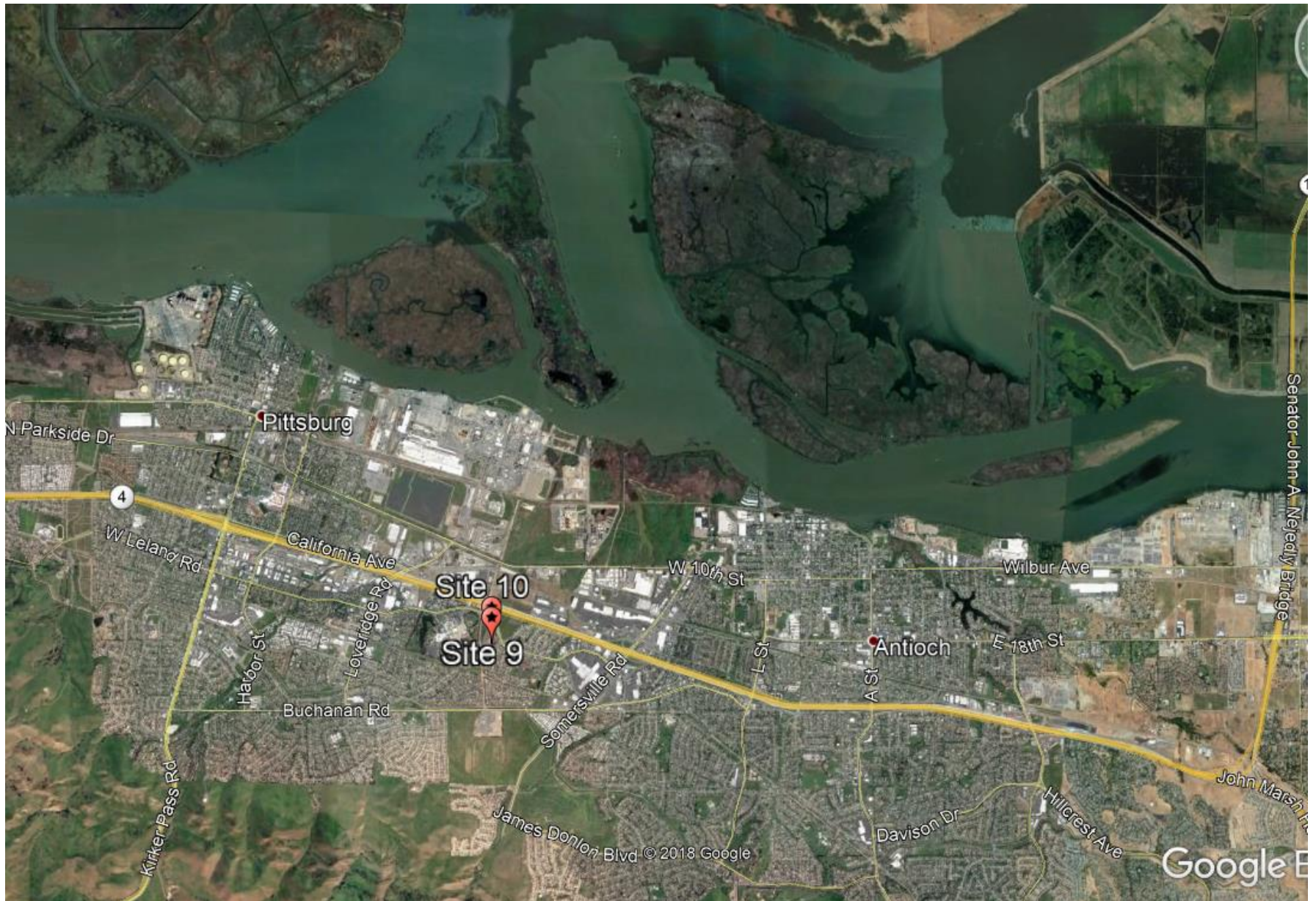
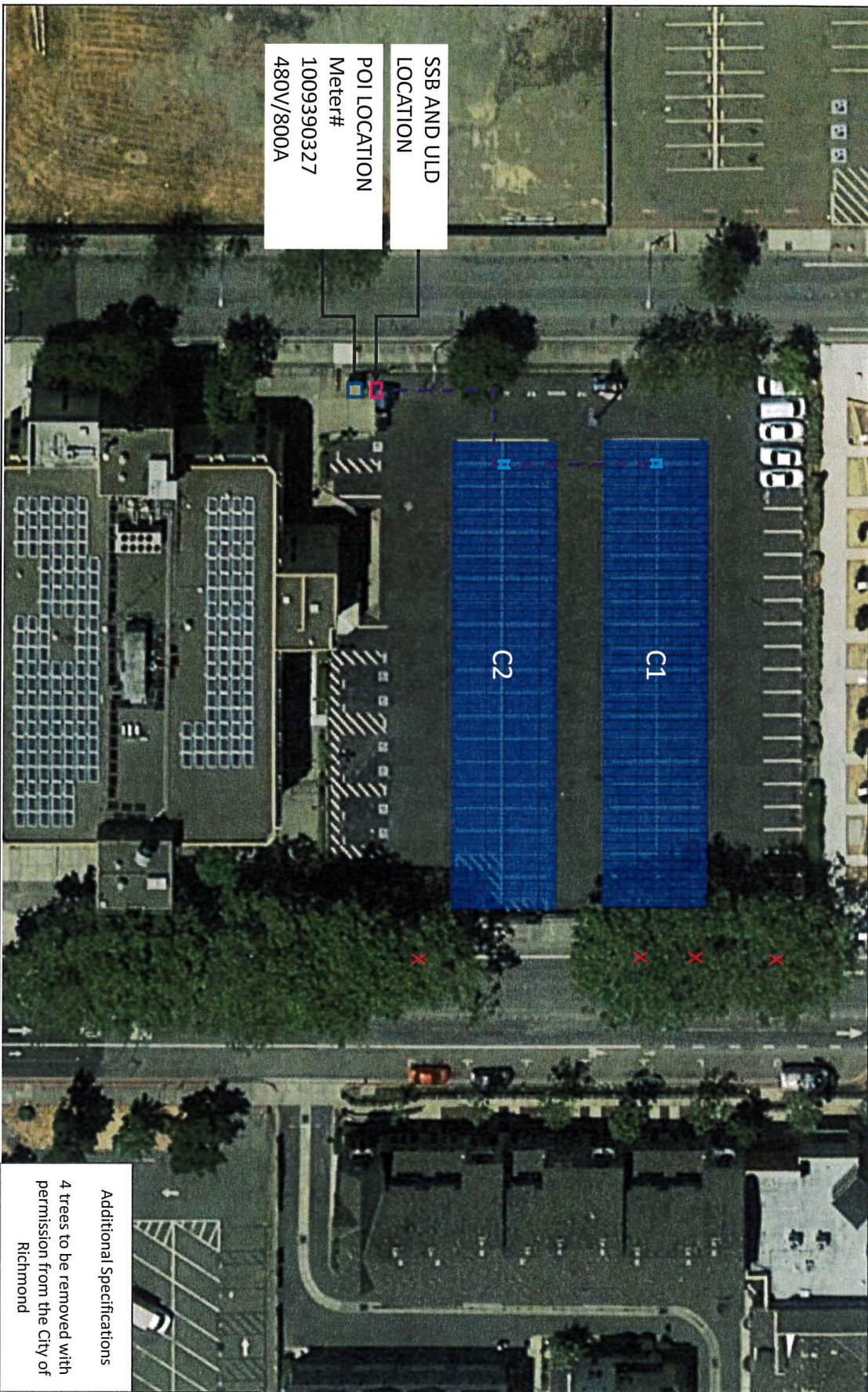


FIGURE 4: Project Vicinity Map – Sites 9 - 10

Project Layouts

Project Layouts

Site 1 Project Layout



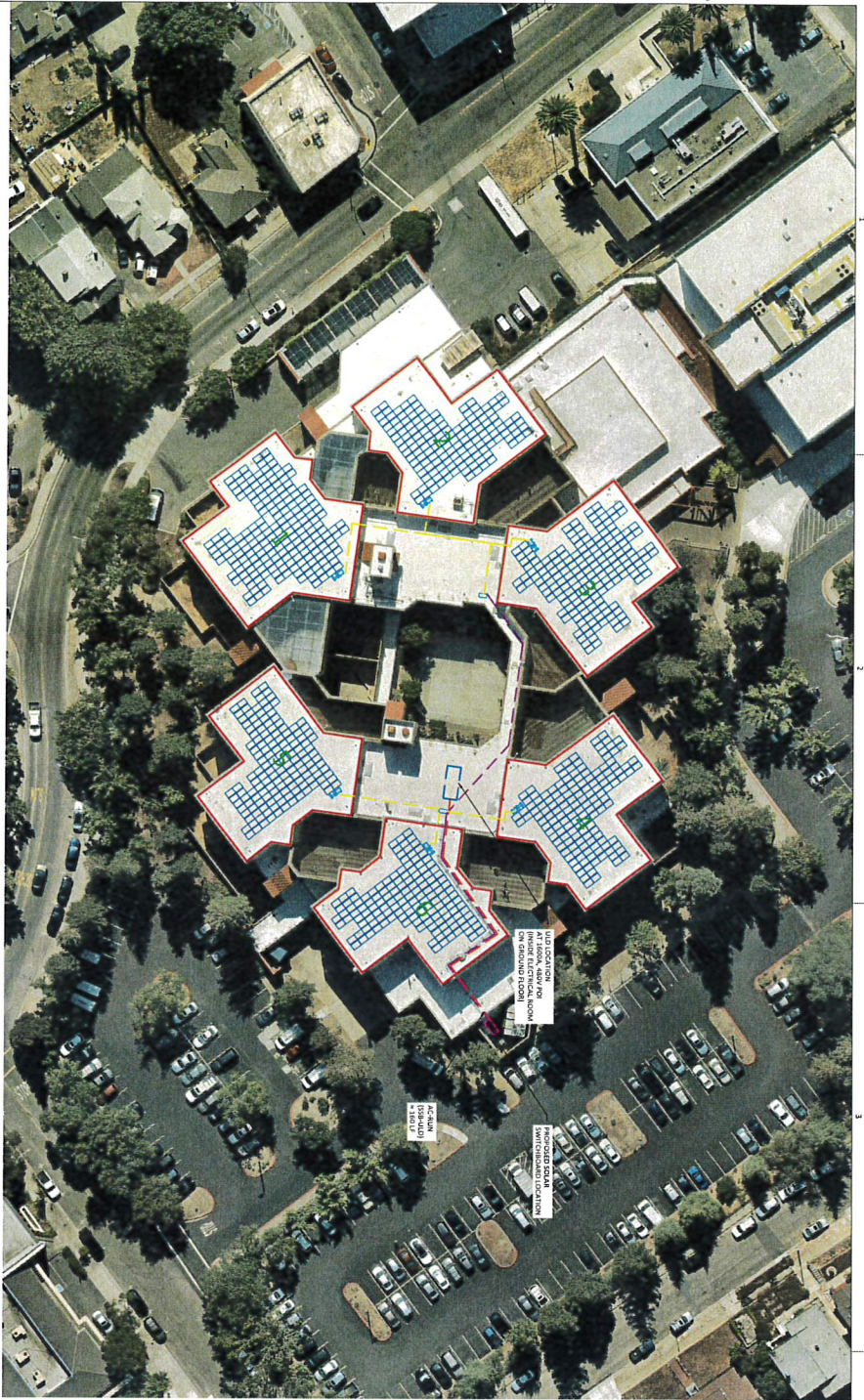
SSB AND ULID
LOCATION

POI LOCATION
Meter#
1009390327
480V/800A

Additional Specifications
4 trees to be removed with
permission from the City of
Richmond

System Specifications	CONTRA COSTA COUNTY	SUNPOWER
SPR-X21-470W Modules 282.0 kWp / 240.6 kWAC 180° Az, 10° Tilt	1305 MACDONALD AVE, RICHMOND, CA 94801	1414 HARBOUR WAY SOUTH RICHMOND, CA 94804 USA (510) 540 - 0550 <small>This document contains proprietary information. Reproduction, disclosure, or use without specific written authorization of the Sunpower Corporation is strictly forbidden.</small>

Site 2 Project Layout



1
ARRAY LAYOUT
SCALE: 1/32" = 1'-0"

ARRAY SUMMARY TABLE - ROOF

PANELBOARD - ROOF	ARRAY	MODU 121 (14 STN)	MODU 121 (12 STN)	TOTAL STINGS	TOTAL MODU (KW)	DC POWER (KW)	AC POWER (KW)	AC RUN (INV-598)	AC RUN (598-558)
SPB01	1	1	1	12	144	49.68	46	85	140
	2	1	1	12	144	49.68	46	85	300
	3	1	1	12	144	49.68	46	85	60
	4	1	1	12	144	49.68	46	85	45
SPB02	5	1	1	12	144	49.68	46	85	150
	6	1	1	12	144	49.68	46	85	25
TOTAL	1	1	4	78	936	322.92	296	430	

PROJECT SUMMARY

TOTAL # OF MODULES	936
MODULE TYPE	SPH-345-60A
# OF INVERTERS	6
DC SYSTEM SIZE (KW)	322.92
AC SYSTEM SIZE (KW)	296.00

STRUCTURAL DESIGN PARAMETERS

WIND SPEED (ASCE 7-10 MPH)	110
EXPOSED CATEGORY	B
TELECOM CATEGORY	0
GROUND RESPONSE CLASS	0.8
SPECTRAL RESPONSE CLASS	5
SEISMIC HAZARD LEVEL	0.6
SITE CLASS	1
SEISMIC FACTOR (R)	1.0
OCCUPANCY CATEGORY	II

ROOFING TYPE: ROOF A

BALAST BLOCK ANCHOR TYPE: HEAVY DUTY NUT

BALAST BLOCK ANCHOR SIZE: 14

SEISMIC OFFSET FOR UNANCHORED ARRAYS: 14

MAX ROOF SLOPE: 11.32

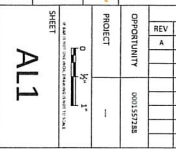
MIN OFFSET FROM EDGE: 4

BUILDING CHARACTERISTICS

ROOF HEIGHT (FT)	47
ROOF LENGTH (FT)	291
ROOF WIDTH (FT)	196
PARALLEL HEIGHT (FT)	1
SPRING ANCHOR DEPTH (FT)	38
MAX ALLOWABLE PRESSURE (PSI)	12
MAX ALLOWABLE TENSILE (PSI)	12

BALAST AND ANCHOR SUMMARY

SYSTEM WEIGHT (LBS)	906812
ARRAY WEIGHT (LBS)	9
MAX PER # OF BALAST PER ROOF	5
# OF ANCHOR PER ROOF	3111
TOTAL # OF BALASTS	0
TOTAL # OF ANCHORS	0
TOTAL # OF RODS/CLIPS	936



REVISIONS

REV	DESCRIPTION	DATE	BY	CHK
A	PROPOSAL	08-28-18	AA	AD

CONTRA COSTA COUNTY
1000 WARD ST

ARRAY LAYOUT

1000 WARD ST
MARTINEZ, CA 94553

ENGINEER'S SEAL

SUNPOWER

1414 HARBOUR WAY SOUTH
RICHMOND, CA 94804 USA
(510) 540-0550

PROJECT SUMMARY

TOTAL # OF MODULES	936
MODULE TYPE	SPH-345-60A
# OF INVERTERS	6
DC SYSTEM SIZE (KW)	322.92
AC SYSTEM SIZE (KW)	296.00

STRUCTURAL DESIGN PARAMETERS

WIND SPEED (ASCE 7-10 MPH)	110
EXPOSED CATEGORY	B
TELECOM CATEGORY	0
GROUND RESPONSE CLASS	0.8
SPECTRAL RESPONSE CLASS	5
SEISMIC HAZARD LEVEL	0.6
SITE CLASS	1
SEISMIC FACTOR (R)	1.0
OCCUPANCY CATEGORY	II

ROOFING TYPE: ROOF A

BALAST BLOCK ANCHOR TYPE: HEAVY DUTY NUT

BALAST BLOCK ANCHOR SIZE: 14

SEISMIC OFFSET FOR UNANCHORED ARRAYS: 14

MAX ROOF SLOPE: 11.32

MIN OFFSET FROM EDGE: 4

BUILDING CHARACTERISTICS

ROOF HEIGHT (FT)	47
ROOF LENGTH (FT)	291
ROOF WIDTH (FT)	196
PARALLEL HEIGHT (FT)	1
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MAX ALLOWABLE PRESSURE (PSI)	12
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SYSTEM WEIGHT (LBS)	906812
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REVISIONS

REV	DESCRIPTION	DATE	BY	CHK
A	PROPOSAL	08-28-18	AA	AD

CONTRA COSTA COUNTY
1000 WARD ST

ARRAY LAYOUT

1000 WARD ST
MARTINEZ, CA 94553

ENGINEER'S SEAL

SUNPOWER

1414 HARBOUR WAY SOUTH
RICHMOND, CA 94804 USA
(510) 540-0550

PROJECT SUMMARY

TOTAL # OF MODULES	936
MODULE TYPE	SPH-345-60A
# OF INVERTERS	6
DC SYSTEM SIZE (KW)	322.92
AC SYSTEM SIZE (KW)	296.00

STRUCTURAL DESIGN PARAMETERS

WIND SPEED (ASCE 7-10 MPH)	110
EXPOSED CATEGORY	B
TELECOM CATEGORY	0
GROUND RESPONSE CLASS	0.8
SPECTRAL RESPONSE CLASS	5
SEISMIC HAZARD LEVEL	0.6
SITE CLASS	1
SEISMIC FACTOR (R)	1.0
OCCUPANCY CATEGORY	II

ROOFING TYPE: ROOF A

BALAST BLOCK ANCHOR TYPE: HEAVY DUTY NUT

BALAST BLOCK ANCHOR SIZE: 14

SEISMIC OFFSET FOR UNANCHORED ARRAYS: 14

MAX ROOF SLOPE: 11.32

MIN OFFSET FROM EDGE: 4

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ROOF HEIGHT (FT)	47
ROOF LENGTH (FT)	291
ROOF WIDTH (FT)	196
PARALLEL HEIGHT (FT)	1
SPRING ANCHOR DEPTH (FT)	38
MAX ALLOWABLE PRESSURE (PSI)	12
MAX ALLOWABLE TENSILE (PSI)	12

BALAST AND ANCHOR SUMMARY

SYSTEM WEIGHT (LBS)	906812
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REVISIONS

REV	DESCRIPTION	DATE	BY	CHK
A	PROPOSAL	08-28-18	AA	AD

CONTRA COSTA COUNTY
1000 WARD ST

ARRAY LAYOUT

1000 WARD ST
MARTINEZ, CA 94553

ENGINEER'S SEAL

SUNPOWER

1414 HARBOUR WAY SOUTH
RICHMOND, CA 94804 USA
(510) 540-0550

PROJECT SUMMARY

TOTAL # OF MODULES	936
MODULE TYPE	SPH-345-60A
# OF INVERTERS	6
DC SYSTEM SIZE (KW)	322.92
AC SYSTEM SIZE (KW)	296.00

STRUCTURAL DESIGN PARAMETERS

WIND SPEED (ASCE 7-10 MPH)	110
EXPOSED CATEGORY	B
TELECOM CATEGORY	0
GROUND RESPONSE CLASS	0.8
SPECTRAL RESPONSE CLASS	5
SEISMIC HAZARD LEVEL	0.6
SITE CLASS	1
SEISMIC FACTOR (R)	1.0
OCCUPANCY CATEGORY	II

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BALAST BLOCK ANCHOR TYPE: HEAVY DUTY NUT

BALAST BLOCK ANCHOR SIZE: 14

SEISMIC OFFSET FOR UNANCHORED ARRAYS: 14

MAX ROOF SLOPE: 11.32

MIN OFFSET FROM EDGE: 4

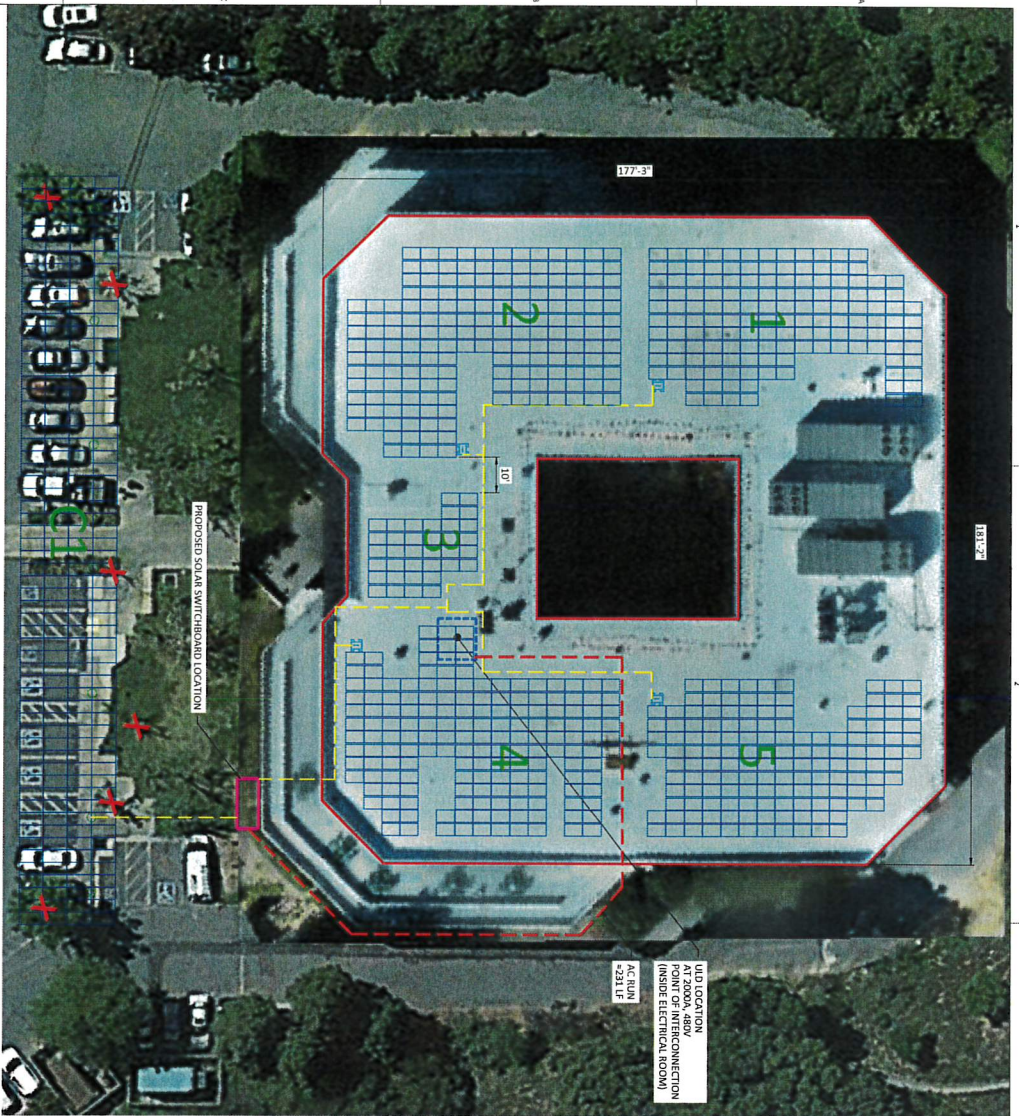
BUILDING CHARACTERISTICS

ROOF HEIGHT (FT)	47
ROOF LENGTH (FT)	291
ROOF WIDTH (FT)	196
PARALLEL HEIGHT (FT)	1
SPRING ANCHOR DEPTH (FT)	38
MAX ALLOWABLE PRESSURE (PSI)	12
MAX ALLOWABLE TENSILE (PSI)	12

BALAST AND ANCHOR SUMMARY

SYSTEM WEIGHT (LBS)	906812
ARRAY WEIGHT (LBS)	9
MAX PER # OF BALAST PER ROOF	5
# OF ANCHOR PER ROOF	3111
TOTAL # OF BALASTS	0
TOTAL # OF ANCHORS	0
TOTAL # OF RODS/CLIPS	936

Site 3 Project Layout



- NOTES:**
1. 110 MPH WIND ZONE (ASCE 7-10) CATEGORY II, EXPOSURE C.
 2. CORROSION RATE: 1.0µm/yr, 1.1(CI): 11%, CA 99%
 3. WIND SPEED: 100 MPH (33.9)
 4. WIND DIRECTION: 100°
 5. STANDARD CANOPY LOW-END CLEARANCE: 13.5' PROVIDED FOR STRANDED VEHICLE
 6. STAND-ALONE CLEARANCE: 20' MIN. CLEARANCE ALONG EXISTING BUILDINGS
 7. FIRE DEPARTMENT REQUIRES 20' MIN. CLEARANCE ALONG EMERGENCY ROUTES
 8. ACCESS ROUTES TO BE REMOVED
 9. TOTAL OF LIGHT POLE TO BE REMOVED: 0
 10. TOTAL OF LIGHT POLE TO BE REMOVED: 0



ARRAY	MGQU 121 (18 STN)	MGQU 121 (14 STN)	MGQU 121 (12 STN)	TOTAL SHIMMS	TOTAL HPF MODULE	DC POWER (KW)	AC POWER (KW)	AC-RUN (INV-SSB)
1	1	1	1	12	144	51.84	46	220
2	1			15	180	64.8	66	180
3		1		3	36	12.96	66	65
4			1	14	168	60.48	66	195
5			1	12	144	51.84	46	195
				56	672	241.92	224	

CANOPY LABEL	#MODULE	#STING	MGQU 121 (12 STN)	MGQU 121 (14 STN)	MGQU 121 (12 STN)	MGQU 121 (14 STN)	TILT	AZIMUTH CSI	AZIMUTH SWR	AC-RUN (INV-SSB)
CL	480	240	24	112.8	2	92	10°	140°	40°	42

- LEGEND:**
- PROPOSED LIGHT POLE REMOVAL
 - ✕ PROPOSED TREE REMOVAL
 - ✕ PROPOSED EQUIPMENT PAD
 - PROPOSED POINT OF INTERCONNECTION
 - AC CONDUITS (SMB-HP)
 - AC CONDUITS (SMB-SB)
 - AC CONDUITS (INV-SB)
 - AC CONDUITS (INV-SB)

PROJECT SUMMARY

PROJECT NUMBER	807	CARPET	TOTAL
TOTAL # OF MODULES	672	440	912
MODULE TYPE	SPR-K22-350-COM	SPR-K21-170-COM	
# OF INVERTER	2	6	
DC SYSTEM SIZE (KW)	241.92	112.80	354.72
AC SYSTEM SIZE (KW)	224	92	316

STRUCTURAL DESIGN PARAMETERS

WIND SPEED (ASCE 7-10 MPH)	110
EXPOSURE CATEGORY	C
TRANSITIONAL SYSTEM (FT)	1.243
DESIGN SNOW LOAD (PSF)	1.32
5% WIND SURVEILLANCE (PSF)	0.6
SEISMIC HAZARD LEVEL	2
SEISMIC HAZARD CLASS	1.5
SEISMIC WIND F. FACTOR (W)	1.5
OCCUPANCY CATEGORY	II

RACKING TYPE

RACKING TYPE	ROOF A
TRACKING TECHNOLOGY	WELX DUAL-TILT
ANCHOR TYPE	OMG POWER-POSS
BALLAST RACKING	18
SEISMIC OFFSETS FOR UNANCHORED	ABRANS

BUILDING CHARACTERISTICS

MAX. ROOF SCORE	112
MAX. OFFSET FROM EAVES (FT)	15
MAX. ROOF SLOPE	4.4
ROOF HEIGHT (FT)	151
ROOF HEIGHT (FT)	177
SPRM ANCHOR (EASER)	40
MAX ALLOWABLE WINDSPEED (PSF)	12

BALLAST AND ANCHOR SUMMARY

SYSTEM WEIGHT (LBS)	75196
ANCHOR PER	5.8
MAX PER	120
# BALLAST PER ROOF	2989
# OF ANCHOR PER ROOF	95
# MODULE PER ROOF	672
TOTAL # OF BALLASTS	2989
TOTAL # OF ANCHORS	95
TOTAL # OF MODULES	672

SUNPOWER® HELIX™

SUNPOWER® HELIX™

TIER 1

THE PROPOSED ARRAY LAYOUT DESIGN IS DESIGNED TO FIT EXISTING CONDITIONS AS THEY ARE DESCRIBED ON THIS DRAWING. LAYOUT AND QUANTITIES ARE SUBJECT TO CHANGE BASED ON SUNPOWER VERIFICATION OF AS-BUILT SITE CONDITIONS.

CONTRA COSTA COUNTY
50 DOUGLAS DRIVE
1000 WARD ST.
MARTINEZ, CA 94553

ENGINEER'S STAMP

SUNPOWER
1414 HARBOR WAY SOUTH
RICHMOND, CA 94804 USA
(510) 640-6550

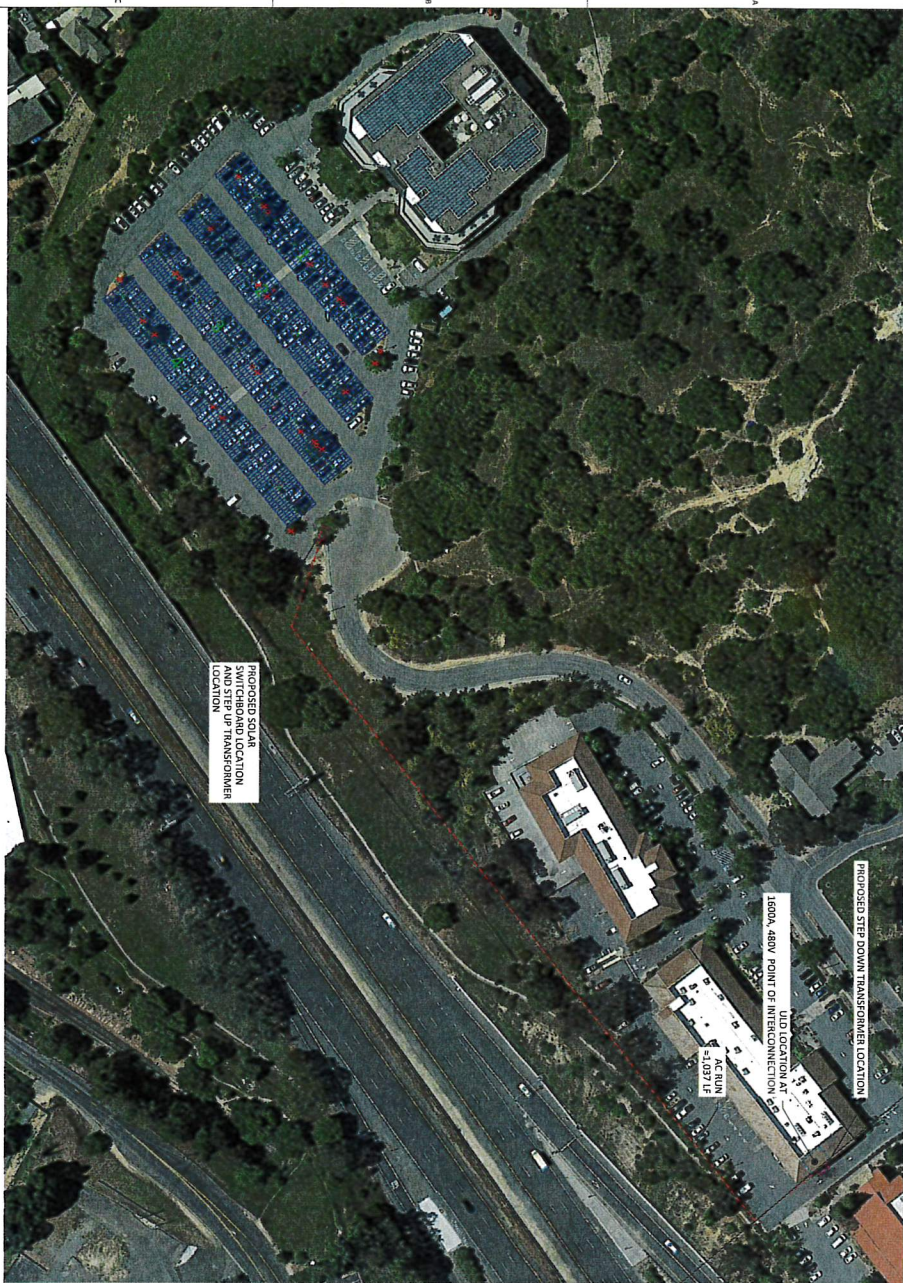
REVISIONS

REV	DATE	DESCRIPTION
A	08-17-18	PROPOSAL

PROJECT: 00015728A

SHEET: **ALL1**

Site 4 Project Layout



- NOTES:**
1. 110 MPH WIND ZONE (ASCE 7-10) CATEGORY II, EXPOSURE C.
 2. CORROSION RATE: 1.00mm/yr (1.02-1.15% CS-99M)
 3. ARRAY SHOWING ON AERIAL IMAGE
 4. ARRAY SHOWING ON AERIAL IMAGE
 5. ARRAY MOUNTING STRUCTURE HELIX CARPORT 1.5
 6. STANDING CLEARANCE (LOW-SUN) CLEARANCE: 13.5' PROVIDED FOR
 7. BUILDING CODE REQUIRES 20' MIN. CLEARANCE FROM EXISTING
 8. BUILDING CODE REQUIRES 20' MIN. CLEARANCE ALONG EMERGENCY ACCESS ROUTES
 9. TOTAL OF TREES TO BE REMOVED: 21
 10. TOTAL OF LIGHT POLE TO BE REMOVED: 6

PANELBOARD - CARPORT	CANOPY LABEL	MODULE	STRING	KW (DC)	MBOU_122 (18 STR)	MBOU_122 (15 STR)	MA2U_122 (12 STR)	MBOU_122 (9 STR)	KW (AC)	TILT	AZIMUTH CS	AZIMUTH SPWR	AC RUM (SPR-SSB)
SPR01	1	6975	45	211.5	1	1	1	1	135	10°	-40°	226	
SPR02	2	6985	51	239.7	2	1	1	1	231.6	10°	-40°	192	
SPR03	3	6985	57	269.9	2	1	1	1	251.6	10°	-40°	42	
SPR04	4	6985	57	269.9	2	1	1	1	251.6	10°	-40°	42	
			2100	397.00	7	2	3	2	930.2				

SUNPOWER® HELIX™

TIER 1

PROJECT SUMMARY

PROJECT SUMMARY	CARPORT
TOTAL # OF MODULE	2100
MODULE TYPE	SPR-X1-420-COM
# OF INVERTER	14
DC SYSTEM SIZE (KW)	397.00
AC SYSTEM SIZE (KW)	930.20

- LEGEND:**
- PROPOSED LIGHT POLE REMOVAL
 - ✗ PROPOSED TREE REMOVAL
 - PROPOSED EQUIPMENT PAD
 - PROPOSED POINT OF INTERCONNECTION
 - AC CONDUITS (SSB-P0)
 - AC CONDUITS (SPR-SSB)
 - AC CONDUITS (INV-SPR)

REVISIONS

REV	DESIGN #	DESCRIPTION	DATE	DB	CS
A	D-005150	PROPOSAL	06-16-18	RA	CS

PROJECT: 00033724K
SHEET: ALL1

CONTRA COSTA COUNTY
30 DOUGLAS DRIVE
MARTINEZ, CA 94553

ARRAY LAYOUT

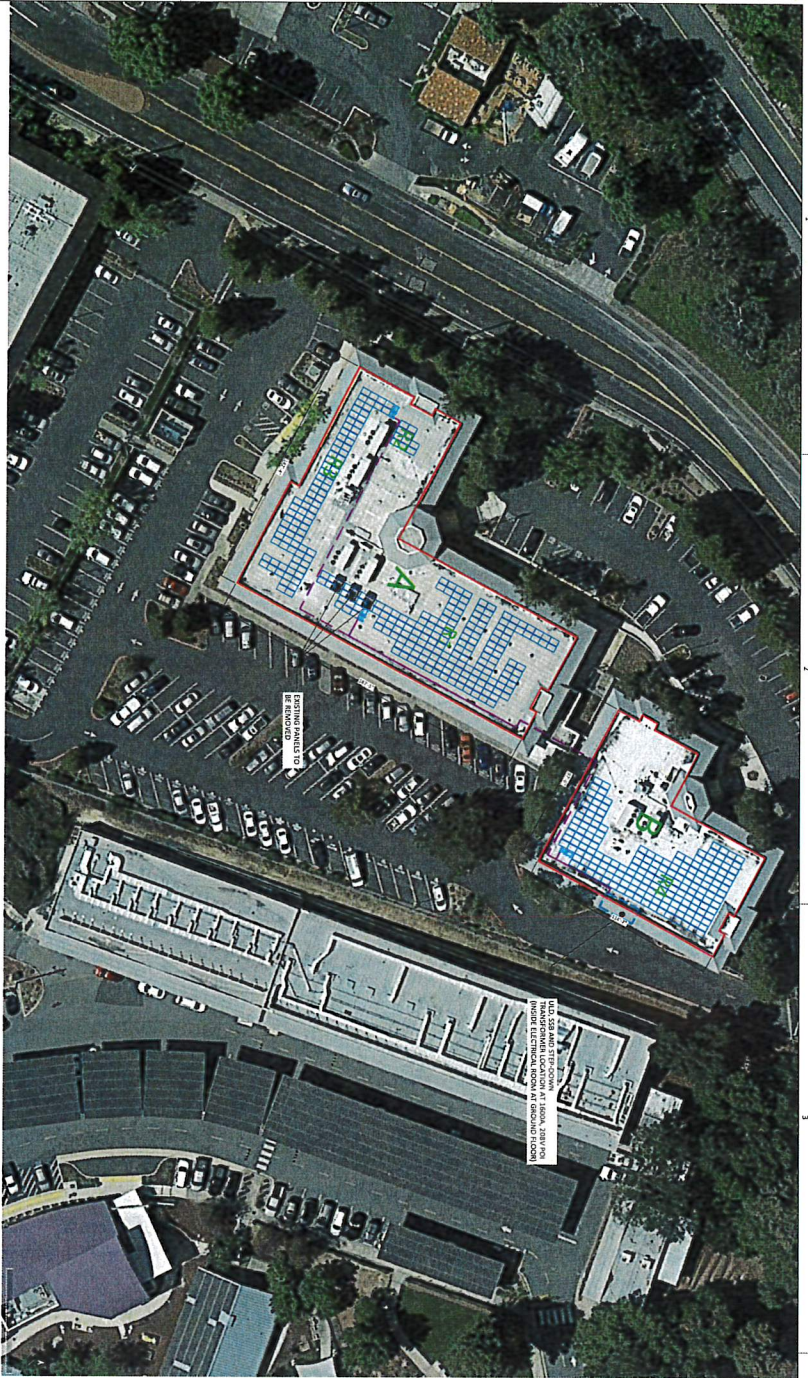
ENGINEERS STAMP

SUNPOWER

1414 HARBOUR WAY SOUTH
RICHMOND, CA 94804 USA
(510) 540-0550

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Site 5 Project Layout



ARRAY SUMMARY TABLE - ROOFS

ARRAY	MODUL_121 (18 STR)	MODUL_121 (10 STR)	TOTAL STRINGS	TOTAL HPF MODULE	DC POWER (KW)	AC POWER (KW)	AC NUM (INV/SSB)
1	1	1	18	180	64.8	66	285
2			1	10	3.6		430
3			9	90	32.4	39.6	
4	1	1	18	180	64.8	66	40
TOTAL	2	2	46	460	165.6	171.6	

SUNPOWER® HELIX™

THE PROPOSED ARRAY LAYOUT SHOWN IS DESIGNED TO FIT EXISTING ROOF QUANTITIES AND IS SUBJECT TO CHANGE BASED ON SUNPOWER VERIFICATION OF ACTUAL SITE CONDITIONS.

TIER 1

06253729E_A_30MUR.R02_P17_A2024



REVISIONS

REV	DESCRIPTION	DATE	BY	IF
A	PROPOSAL	08-16-18		

LEGEND

- PROPOSED LIGHT POLE REMOVAL
- PROPOSED TREE REMOVAL
- PROPOSED EQUIPMENT PAD
- PROPOSED POINT OF INTERCONNECTION
- AC CONDUITS (ESS-POL)
- AC CONDUITS (SPB-SSB)
- AC CONDUITS (INV-SPB)

PROJECT SUMMARY

PROJECT SUMMARY	ROOF
TOTAL # OF MODULES	460
MODULE TYPE	SPR-K2-280-CON
DC SYSTEM SIZE (KW)	165.60
AC SYSTEM SIZE (KW)	171.60

STRUCTURAL DESIGN PARAMETERS

WIND SPEED (MPS)	110
EXPOSURE CATEGORY	C
TERMINAL WIND DISTANCE (FT)	0
GROUND SNOW LOAD (PSF)	0.8
SPECTRAL RESPONSE (SSS)	15
SEISMIC HAZARD (SI)	0.8
SITE CLASS	D
SEISMIC LIGHT FACTOR (PL)	1.0
OCCUPANCY CATEGORY	B

RACKING TYPE

RACKING TYPE	ROOF A	ROOF B
RACKING TECHNOLOGY	HELD DUAL-TILT	HELD DUAL-TILT
ANCHOR TYPE	DMG ThunderBolt Plus	DMG ThunderBolt Plus
BALUST BLOCK WEIGHT (LBS)	34	14
ROOF HEIGHT (FT)	27	29
ROOF WIDTH (FT)	145	125
PARALLEL HEIGHT (FT)	3	3
SWAY ALLOWABLE (FEET/100)	28	28
MAX ALLOWABLE WINDSPEED (PSF)	12	12

BUILDING CHARACTERISTICS

MIN. SLOPE FROM ROOF EDGE (FT)	6
MAX. ROOF SLOPE	11.2
MAX. WIND UPLIFT (PSF)	11.2
MAX. WIND DOWN (PSF)	6

BALUST AND ANCHOR SUMMARY

SYSTEM WEIGHT (LBS)	27709	17055
ANCHOR PER	11	9
BALUST PER	11	9
# OF ANCHOR PER ROOF	1009	595
# OF MODULE PER ROOF	280	180
TOTAL # OF ANCHORS	1009	595
TOTAL # OF MODULES	277	180

CONTRA COSTA COUNTY
30 MUIR RD
30 MUIR RD
MARTINEZ, CA 94553

ARRAY LAYOUT

REVISIONS STAMP

SUNPOWER®
1414 HARBOUR WAY SOUTH
RICHMOND, CA 94804 USA
(510) 846-0550

PROJECT: 00013729E

REV: A

DESIGN #: D-00913202

DATE: 08-16-18

BY: [Signature]

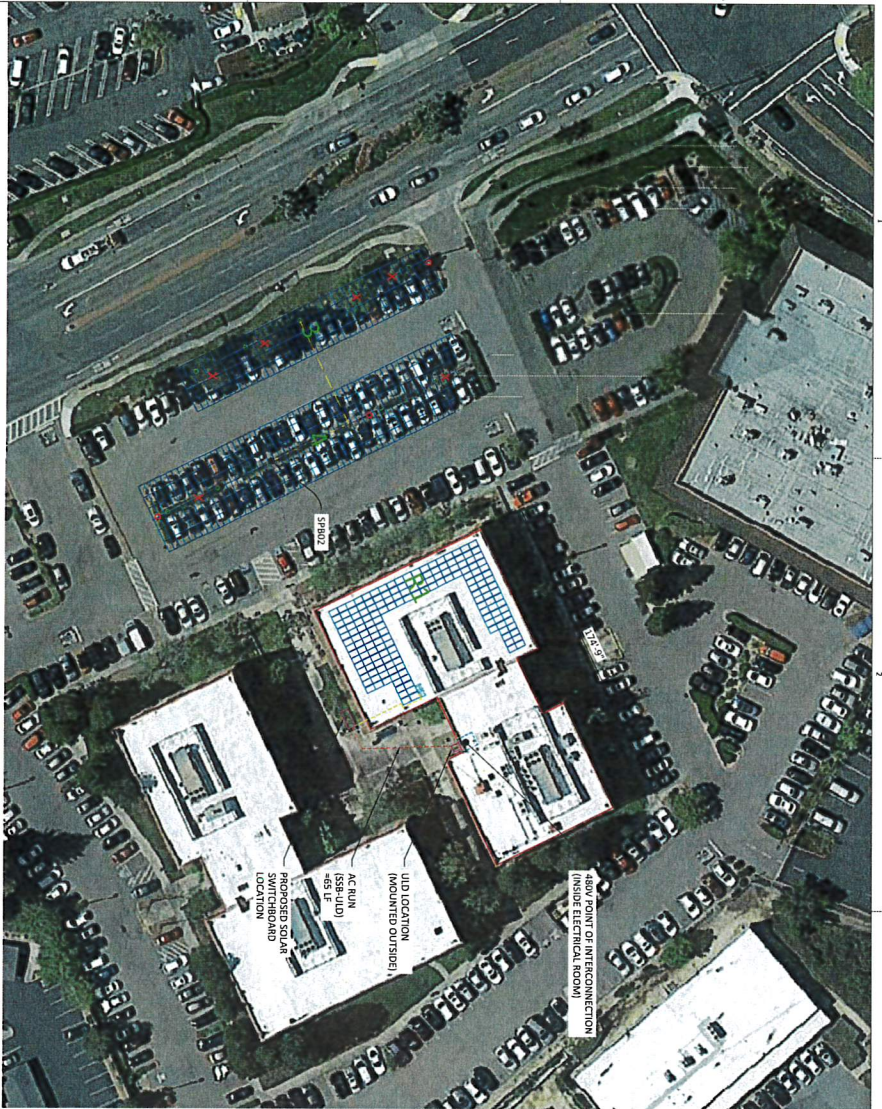
IF: [Signature]

PROJECT: 00013729E

0 1/4" = 1'

ALL1

Site 6 Project Layout



ARRAY SUMMARY TABLE - ROOF						ARRAY SUMMARY TABLE - PRT					
ARRAY	MODULE 121 (14 STR)	TOTAL STRINGS	TOTAL DC POWER (KW)	TOTAL AC POWER (KW)	AC RUN (INVS-558)	ARRAY	MODULE 121 (14 STR)	TOTAL STRINGS	TOTAL DC POWER (KW)	TOTAL AC POWER (KW)	AC RUN (INVS-558)
R1	1	14	168	57,260	66						
ARRAY SUMMARY TABLE - ROOF						ARRAY SUMMARY TABLE - PRT					
PANELBOARD - CANOPY	LABEL	#MODULE	#STRING	KW (DC)	KW (AC)	TILT	AZIMUTH CSI	AZIMUTH SPWR	AC RUN (INVS-558)	AC RUN (SPB-558)	
SP901	4435	140	14	65.8	66				116	316	
SP901	6020	120	12	56.4	46	10°	264°	64°	113	148	
SP902	4445	180	18	84.6	83						
SP902	6050	360	36	169.2	166						
TOTAL		800	80	376.00	361						

LEGEND

- PERI LOCATION
- PROPOSED LIGHT POLE REMOVAL
- PROPOSED TREE REMOVAL
- PROPOSED EQUIPMENT PAD
- PROPOSED POINT OF INTERCONNECTION
- AC CONDUITS (SPB-558)
- AC CONDUITS (INV)

- PFT NOTES:**
- EXPOSURE C
 - CORROSION RATE: 1.10(MM/Y) [C2: 11%, C3: 99%]
 - METALS ATD ON AIRIAL IMAGE
 - ARRAY MOUNTING STRUCTURE HELIX CHAIRPOT 1.5
 - STANDARD CANOPY LOW-END CLEARANCE: 11'
 - PROVIDE 10' CLEARANCE FROM EXISTING BUILDINGS
 - FROM EXISTING BUILDINGS
 - FIRE DEPARTMENT REQUIRES 20' MIN. CLEARANCE
 - TOTAL OF TREES TO BE REMOVED: 8
 - TOTAL OF LIGHT POLE TO BE REMOVED: 4

PROJECT SUMMARY

PERI TOTAL	108	800	598
TOTAL # OF MODULE	108	800	598
MODULE TYPE	SPB-558-215-DC-CON	SPB-558-215-DC-CON	
# OF WINDTENS	1	5	6
DC SYSTEM SIZE (KW)	57.96	331.00	433.96
AC SYSTEM SIZE (KW)	66	361	427.00

STRUCTURAL DESIGN PARAMETERS

WIND VELOCITY (MPH)	110
WIND DIRECTION	B
EXPOSURE CATEGORY	B
TRANSPARENCY	1.00
GROUND WIND SPEED (MPH)	1.00
5% WIND SPEED (MPH)	1.56
10% WIND SPEED (MPH)	0.6
SEISMIC HAZARD LEVEL	0.6
SITE CLASS	0
SEISMIC LIGHT FACTOR (IF)	1.5
OCCUPANCY CATEGORY	B

RACHING TYPE

MOUNTING TYPE	HELIX CHAIRPOT
TRACKING TECHNOLOGY	ONE-AXIS TRACKING
ANCHOR TYPE	CONCRETE
BALANCE BLOCK WEIGHT (LBS)	14

SEISMIC CHARACTERIZATIONS

SEISMIC CATEGORY	1.5
SEISMIC COEFFICIENT	0.12
MIN. GUSTEFROM WIND SPEED (MPH)	4

BALLAST AND ANCHOR SUMMARY

ANCHOR TYPE	CONCRETE	42
ANCHOR WEIGHT (LBS)	120	120
ANCHOR HEIGHT (FT)	3	3
ANCHOR SPACING (FT)	3	3
ANCHOR WEIGHT (LBS)	26	26
ANCHOR HEIGHT (FT)	3	3
ANCHOR SPACING (FT)	3	3
ANCHOR WEIGHT (LBS)	32	32
ANCHOR HEIGHT (FT)	3	3
ANCHOR SPACING (FT)	3	3
ANCHOR WEIGHT (LBS)	17548	17548
ANCHOR HEIGHT (FT)	3.4	3.4
ANCHOR SPACING (FT)	8.7	8.7



SUNPOWER HELIX

THE PROPOSED ARRAY LAYOUT SHOWN IS DESIGNED TO FIT EXISTING QUANTITIES AND SUBJECT TO CHANGE DURING CONSTRUCTION OF ACTUAL SITE CONDITIONS.

REVISIONS

REV	DATE	DESCRIPTION
A	06-26-18	PROPOSAL

OPERATIONAL

TER 1

SUNPOWER

1414 HARBOUR WAY SOUTH
RICHMOND, CA 94804 USA
(510) 540-0550

CONTRA COSTA COUNTY
595 CENTER

595 CENTER AVE.
MARTINEZ, CA 94553

ARRAY LAYOUT

ENGINEER'S STAMP

DATE: 06-26-18

PROJECT: 06001448

DESIGNER: AL1

Site 7 Project Layout



1 ARRAY LAYOUT
SCALE: 1/165 = 1'-0"

0223H_A01X
DATE: 08-27-2018

ARRAY	MODULE 121 (18.57ft)	MODULE 121 (18.57ft)	TOTAL STRINGS	TOTAL MODULES	DC POWER (KW)	AC POWER (KW)	ACTUING (INVS/SB)
1	1	1	8	96	3312	39.6	100
2	1	1	2	24	828	66	25
3	1	1	18	216	7452	66	25
TOTAL	1	1	28	336	11592	105.6	

PROJECT SUMMARY

PROJECT SUMMARY	INDOOR
TOTAL AC POWER (KW)	105.6
DC SYSTEM SIZE (KW)	115.92
AC SYSTEM SIZE (KW)	105.60
WIND SPEED (MPS @ 10 MIN)	110
EXPOSURE CATEGORY	B
TRANSITIONAL DISTANCE (FT)	0
GROUND SHOW (LOAD) (PSF)	0.8
SPECTRAL RESPONSE (SBO)	0.8
SEISMIC HAZARD LEVEL	1
SITE CLASS	D
SEISMIC WIND FACTOR (W)	1.0
OCCUPANCY CATEGORY	II
RACKING TYPE	INDOOR A
TRACKING TECHNOLOGY	WALK QUALITY
BALLAST BEAM WEIGHT (LBS)	18
SEISMIC CRIPSET (IN)	0
UNANCHORED BEAMS	0
MAX ROOF SLOPE	11.2
MIN GREEK DEPTH	4

STRUCTURAL DESIGN PARAMETERS

WIND SPEED (MPS @ 10 MIN)	110
EXPOSURE CATEGORY	B
TRANSITIONAL DISTANCE (FT)	0
GROUND SHOW (LOAD) (PSF)	0.8
SPECTRAL RESPONSE (SBO)	0.8
SEISMIC HAZARD LEVEL	1
SITE CLASS	D
SEISMIC WIND FACTOR (W)	1.0
OCCUPANCY CATEGORY	II
RACKING TYPE	INDOOR A
TRACKING TECHNOLOGY	WALK QUALITY
BALLAST BEAM WEIGHT (LBS)	18
SEISMIC CRIPSET (IN)	0
UNANCHORED BEAMS	0
MAX ROOF SLOPE	11.2
MIN GREEK DEPTH	4

BUILDING CHARACTERIZATIONS

WIND SPEED (MPS @ 10 MIN)	110
EXPOSURE CATEGORY	B
TRANSITIONAL DISTANCE (FT)	0
GROUND SHOW (LOAD) (PSF)	0.8
SPECTRAL RESPONSE (SBO)	0.8
SEISMIC HAZARD LEVEL	1
SITE CLASS	D
SEISMIC WIND FACTOR (W)	1.0
OCCUPANCY CATEGORY	II
RACKING TYPE	INDOOR A
TRACKING TECHNOLOGY	WALK QUALITY
BALLAST BEAM WEIGHT (LBS)	18
SEISMIC CRIPSET (IN)	0
UNANCHORED BEAMS	0
MAX ROOF SLOPE	11.2
MIN GREEK DEPTH	4

BALLAST AND ANCHOR SUMMARY

STRIP WEIGHT (LBS)	3602
ANCHOR #/2	513
# OF ANCHORS/ROOF	113
# ANCHORS/ROW	1307
TOTAL # OF BALLASTS	0
TOTAL # OF ANCHORS	336

LEGEND

- PROPOSED LIGHT POLE REMOVAL
- PROPOSED TRUSS REMOVAL
- PROPOSED EQUIPMENT PAD
- PROPOSED POINT OF INTERCONNECTION
- AC CONDUITS (SSB-POI)
- AC CONDUITS (SPB-SBI)
- AC CONDUITS (INVS-SBI)

CONTRA COSTA COUNTY
597 CENTER AVE

597 CENTER AVE
MARTINEZ, CA 94553

ARRAY LAYOUT



1414 HARBOUR WAY SOUTH
RICHMOND, CA 94804 USA
(510) 540-0550

ENGINEER'S STAMP

DATE: 08-27-2018
DESIGN # 0-0001447

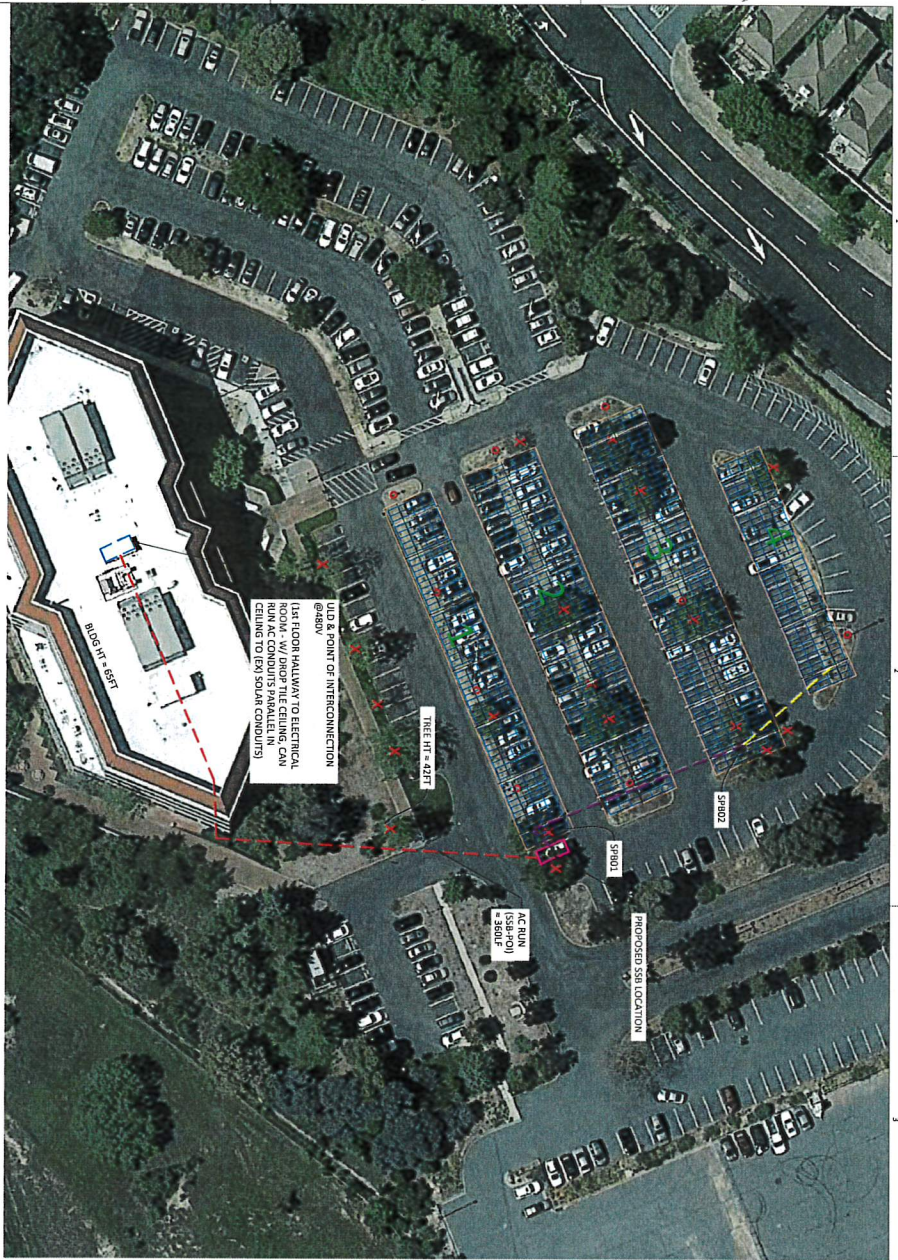
REVISIONS
DESCRIPTION: PROPOSAL

PROJECT: 0003157328
SHEET: AL1

SUNPOWER® HELIX™
THE PROPOSED ARRAY LAYOUT SHOWN IS DESIGNED TO FIT EXISTING QUANTITIES AND IS SUBJECT TO CHANGE BASED ON THE ACTUAL CONDITION OF ACTUAL SITE CONDITIONS.

TER 1

Site 8 Project Layout



1 ARRAY LAYOUT
SCALE: 1/32" = 1'-0"

- NOTES:
- 110 MPH WIND ZONE (ASCE 7-10) CATEGORY II, EXPOSURE C
 - CONSTRUCTION RATE: 11.7mm/yr (0.46in/yr)
 - METER #1004579184
 - SYSTEMS OPERATING AT 120V/240V
 - ARRAY MOUNTING STRUCTURE HEIGHT CAPPORT 1.5
 - STANDARD CANOPY LOW-END CLEARANCE: 11' PROVIDED FOR STANDARD VEHICLE
 - STANDARD CLEARANCE 20' MIN. CLEARANCE FROM EXISTING BUILDINGS
 - FIRE DEPARTMENT REQUIRES 20' MIN. CLEARANCE ALONG EMERGENCY ROUTES TO BE REMOVED: 19
 - TOTAL OF LIGHT POLE TO BE REMOVED: 9
 - TOTAL OF LIGHT POLE TO BE REMOVED: 9

PANELBOARD-CANOPY	CANOPY	LABEL	MMODULE	#STRING	KW (AC)	MARU 121 (18.57kW)	MARU 121 (12.57kW)	MARU 121 (12.57kW)	KW (AC)	TILT	AZIMUTH CSI	AZIMUTH SPOUT	AC RUN (MM-SBB)	AC RUN (SBB-HOI)
SPR01	1	4x60	240	24	112.8	2	2	2	92	10°	157°	-23°	30.140	30
SPR02	2	6x60	360	36	169.2	2	2	2	166	10°	157°	-23°	62.205	150
SPR03	3	6x60	360	36	169.2	2	2	2	166	10°	157°	-23°	62.205	150
SPR04	4	4x60	240	24	112.8	2	2	2	92	10°	157°	-23°	30.140	30
TOTAL			1120	112	528.4	4	1	2	490					

ARRAY SUMMARY TABLE - CAPPORT

PROJECT SUMMARY	CAPPORT
TOTAL # OF MODULE	1120
MODULE TYPE	SPR-X21-470-COM
# OF INVERTER	7
DC SYSTEM SIZE (KW)	528.40
AC SYSTEM SIZE (KW)	490.00

LEGEND:

- PIER LOCATION
- PROPOSED LIGHT POLE REMOVAL
- ✗ PROPOSED TREE REMOVAL
- PROPOSED EQUIPMENT PAD
- PROPOSED POINT OF INTERCONNECTION
- AC CONDUITS (SBB-HOI)
- AC CONDUITS (SBB-SBB)
- AC CONDUITS (MM-SBB)

REVISIONS

NO.	DATE	DESCRIPTION
1	06-27-18	PROPOSAL

PROJECT SUMMARY

PROJECT	CONTRA COSTA COUNTY
DESIGN #	2530 ARNOLD DR
DESIGNER	MARTINEZ, CALIFORNIA 94553
PROJECT	ARRAY LAYOUT

CONTRA COSTA COUNTY
2530 ARNOLD DR
MARTINEZ, CALIFORNIA 94553

ARRAY LAYOUT



SUNPOWER HELIX[™] TIER 1

0.5% DEFECT RATE

0 1/2" 1"

PROJECT: 000105128

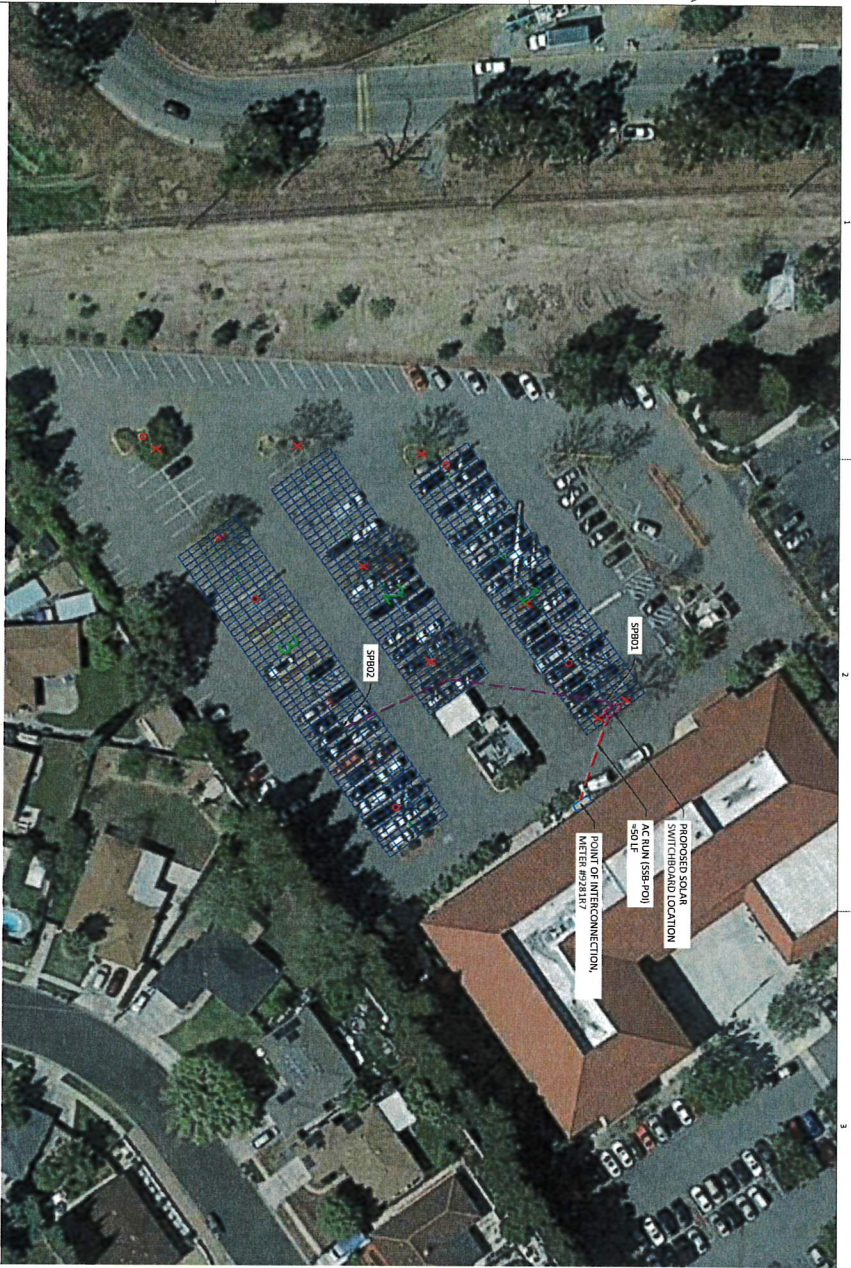
ENGINEER'S STAMP

CONTRA COSTA COUNTY
2530 ARNOLD DR
MARTINEZ, CALIFORNIA 94553

SUNPOWER
1414 HARBOUR WAY SOUTH
RICHMOND, CA 94804 USA
(510) 846-0550

THE SYSTEM DESIGN, MANUFACTURE, INSTALLATION, MAINTENANCE, OPERATION, REPAIR, AND REMOVAL OF THE SYSTEM SHALL BE THE RESPONSIBILITY OF THE SYSTEM OPERATOR. SUNPOWER DISCLAIMS ANY LIABILITY FOR THE SYSTEM OPERATOR'S NEGLIGENCE OR OTHER ACTIONS.

Site 9 Project Layout



1 ARRAY LAYOUT
SCALE: 1/32" = 1'-0"

- NOTES:
- 110 MPH WIND ZONE (ASCE 7-10) CATEGORY II, EXPOSURE C
 - CORROSION RATE: 12MPY W/ICE, 4%, CS, 99%
 - ARRAY MOUNTING STRUCTURE HELIX CARPORT 1.5
 - STANDARD CANOPY LOW-END CLEARANCE: 11' PROVIDED FOR STANDARD VEHICLE
 - STANDARD VEHICLE CLEARANCE FROM EXISTING BUILDINGS
 - FIRE DEPARTMENT REQUIRES 30' MIN. CLEARANCE ALONG EMERGENCY EGRESS ROUTES TO BE REMOVED-9
 - TOTAL OF LIGHT POLE TO BE REMOVED-5

PANEL BOARD - CARPORT		CANOPY	LABEL	MODULE	ASTRING	KW (DC)	MODULE 121 (18.57ft)	MODULE 123 (15.57ft)	MODULE 121 (12.57ft)	KW (AC)	TILT	AZIMUTH CSI	AZIMUTH SHW	AC RUN (INV-SPH)	AC RUN (INV-SBH)
SRP01	1	6x50	300	30	141	1	1	1	129	10°	144°	-36°	95	30	
SRP02	2	6x45	270	27	128.8	2	1	1	112	10°	144°	-36°	95		
SRP02	3	6x60	360	36	169.2	2	1	2	166	10°	144°	-36°	160		
TOTAL			930	93	437.1	3	1	2	407						160

ARRAY SUMMARY TABLE - CARPORT

- LEGEND:
- X PROPOSED TREE REMOVAL
 - o PROPOSED LIGHT POLE REMOVAL
 - o PIER LOCATION
 - PROPOSED EQUIPMENT PAD
 - PROPOSED POINT OF INTERCONNECTION
 - AC CONDUITS (SRP-SBH)
 - AC CONDUITS (INV-SBH)
 - AC CONDUITS (INV-SPH)

PROJECT SUMMARY

PROJECT SUMMARY	CARPORT
TOTAL # OF MODULE	930
MODULE TYPE	SPR-X21-470-CDM
# OF INVERTER	6
DC SYSTEM SIZE (KW)	437.1
AC SYSTEM SIZE (KW)	407

SUNPOWER® HELIX™ TIER 1

REVISIONS

REV	DATE	DESCRIPTION
A	05-27-18	PROPOSAL

PROJECT: 0001551288

CONTRA COSTA COUNTY
4545 DELTA FAIR BLVD
ANTIOCH, CA 94509

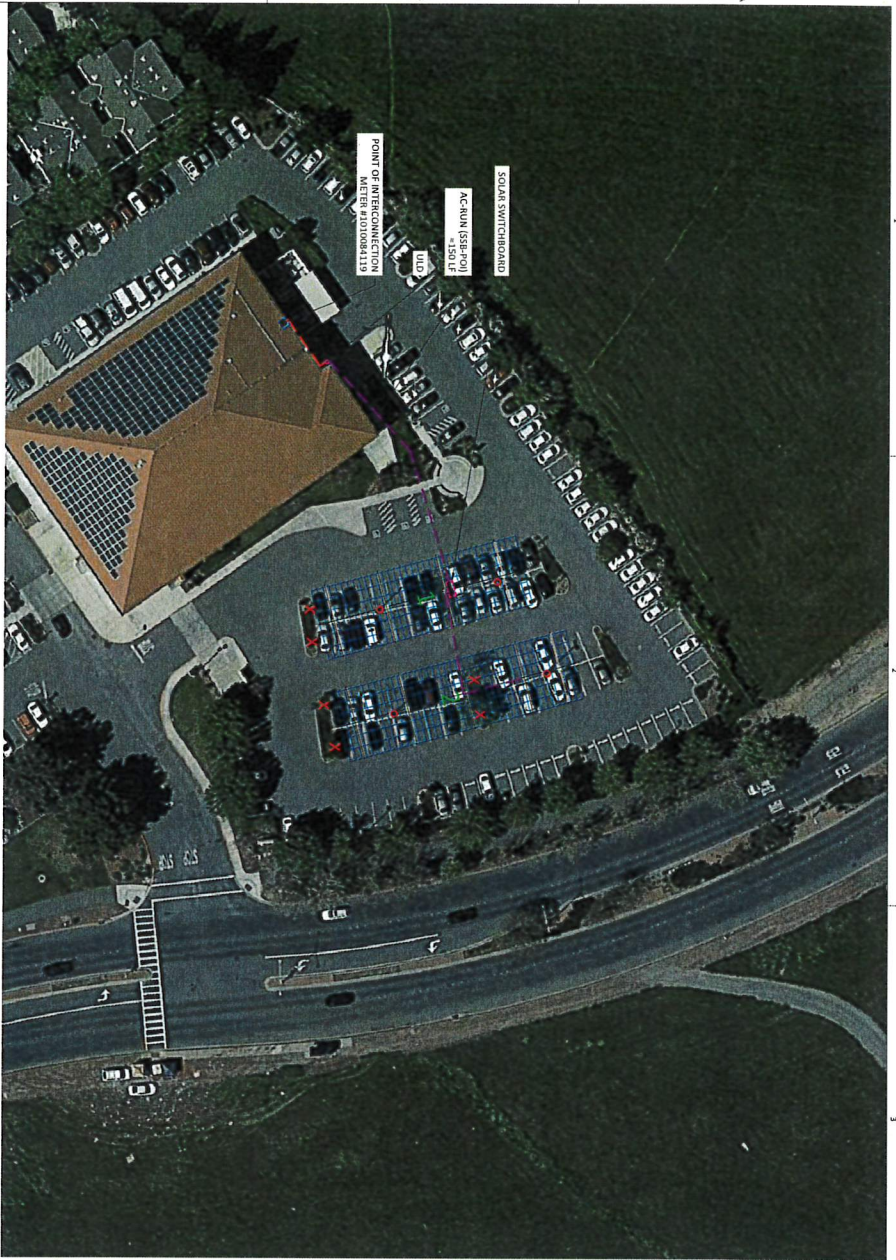
ARRAY LAYOUT

SUNPOWER®

1414 HARBOUR WAY SOUTH
RICHMOND, CA 94804 USA
(510) 540-0550

THE SOLAR PANELS SHOWN ARE APPROXIMATE REPRESENTATIONS. THE ACTUAL PANELS WILL BE PROVIDED BY THE MANUFACTURER. THE MANUFACTURER'S WARRANTY SHALL APPLY TO THE ACTUAL PANELS PROVIDED.

Site 10 Project Layout



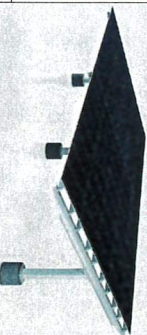
- NOTES:**
1. 110 MPH WIND ZONE (PAGE 7.10) CATEGORY II, EXPOSURE C
 2. COMPOSITION MATERIALS W/ICE: 75% (CR-994)
 3. ANCHORING: 1/2\"/>

CANOPY	LABEL	#	MODULE	# STRING	KW (DC)	M2 (1231N)	M2 (1231S)	M2 (1231E)	M2 (1231W)	KW (AC)	TILT	AZIMUTH (S)	AZIMUTH (N)	AC RUM (IN-V-558)
1	6435	210	21	98.70	1	1	1	1	1	85.6	10°	255°	75°	95.95
2	6440	240	24	112.80	2	2	2	2	2	92.0	10°	255°	75°	30
TOTAL		450	45	211.50	3	3	3	3	3	177.6				

- LEGEND:**
- PROPOSED LIGHT POLE REMOVAL
 - ✗ PROPOSED TREE REMOVAL
 - PIER LOCATION
 - PROPOSED EQUIPMENT PAD
 - PROPOSED POINT OF INTERCONNECTION
 - AC CONDUITS (S58-HOI)
 - AC CONDUITS (IN-V-558)
 - AC CONDUITS (IN-V-598)

PROJECT SUMMARY

PROJECT SUMMARY	CANOPY
TOTAL # OF MODULE	450
MODULE TYPE	SM-421-470-COM
# OF INVERTER	4
DC SYSTEM SIZE (KW)	211.50
AC SYSTEM SIZE (KW)	177.60



SUNPOWER® HELIX™ TIER 1

CONTRA COSTA COUNTY
4594 DELTA FAIR BLVD
 4594 DELTA FAIR BLVD
 ANTIOCH, CA 94509

ARRAY LAYOUT

ENGINEER'S STAMP

SUNPOWER®

1414 HARBOUR WAY SOUTH
 RICHMOND, CA 94804 USA
 (510) 546-0550

NO.	DATE	DESCRIPTION
1	08-18-18	PROPOSAL

DESIGN # 19-1009-D
 SHEET AL1

CALIFORNIA ENVIRONMENTAL QUALITY ACT
Notice of Exemption

To: Office of Planning and Research
P.O. Box 3044, Room 113

Sacramento, CA 95812-3044

From: Contra Costa County
Dept. of Conservation &
Development
30 Muir Road
Martinez, CA 94553

COPY

County Clerk
County of: Contra Costa

Project Title: Solar PPA 10 Locations
Proj. No. WH265H CP# 19 - 15

Project Applicant: Contra Costa County Public Works Department, 255 Glacier Drive, Martinez- CA 94553

Project Location – Various existing County facilities located in Richmond, Martinez, and Antioch in West, Central, and East Contra Costa County.

Lead Agency: Contra Costa County Department of Conservation and Development

Description of Nature, Purpose and Beneficiaries of Project: The purpose of this project is to install solar photovoltaic (PV) panels at ten Contra Costa facilities. The project will help achieve the greenhouse gas reduction and renewable energy goals of the County's Distributed Energy Resource Plan and Climate Action Plan.

The PV facilities are proposed to be located at:

- Site 1. 1305 Macdonald Avenue, Richmond (APN 540-082-033): Proposed canopy arrays
- Site 2. 1000 Ward Street, Martinez (APN 373-263-003): Existing rooftop arrays
- Site 3. 50 Douglas Drive, Martinez (APN 376-210-034): Proposed canopy and existing rooftop arrays
- Site 4. 30 Douglas Drive, Martinez (APN 376-210-043): Proposed canopy and existing rooftop arrays
- Site 5. 30 Muir Road, Martinez (APN 162-493-009): Existing rooftop arrays
- Site 6. 595 Center Avenue, Martinez (APN 162-493-013): Proposed canopy and existing rooftop arrays
- Site 7. 597 Center Avenue, Martinez (APN 162-493-014): Existing rooftop arrays
- Site 8. 2530 Arnold Drive, Martinez (APN 161-510-001): Proposed canopy arrays
- Site 9. 4545 Delta Fair Boulevard, Antioch (APN 074-080-031): Proposed canopy arrays
- Site 10. 4549 Delta Fair Boulevard, Antioch (APN 074-080-033): Proposed canopy arrays

The project will install rooftop and parking lot solar PV systems and ground-mounted, containerized energy storage facilities systems (See attached project layouts). The rooftop arrays will be mounted on existing County buildings with flat or moderately slope roofs. The parking area arrays will be mounted on proposed canopies (carport style) in the existing already paved or graveled parking lot areas and will provide a shaded area for vehicles.

In the parking lot, minor trenching will occur and concrete piers (requiring excavation of 12 feet deep, 2.5 feet wide holes) and steel frames will be installed to support the solar PV modules, inverters, and conduit. Conduit (installed through horizontal boring) will connect solar energy systems to building electrical equipment.

Limited removal and or trimming of native and non-native landscape trees and shrubs will be necessary to install the parking area arrays and ensure the arrays are not shaded by vegetation. Removal of trees will be avoided to the extent feasible. Potential tree removal includes approximately: four trees at 1305 Macdonald Ave, six trees at 50 Douglas Drive, 21 trees at 30 Douglas Drive, six trees at 595 Center Avenue, 19 trees at 2530 Arnold Drive, nine trees at 4545 Delta Fair Boulevard, and seven trees at 4549 Delta Fair Boulevard. Permission from the City of Richmond would be obtained prior to tree removal at the 1305 Macdonald Avenue location.

The rooftop arrays will not affect the visual character of the buildings or the surrounding areas as they will be nondescript, not produce any glare (the photovoltaic panels are black and no-reflective to assist with absorption), and be placed alongside existing rooftop equipment. The parking area canopy arrays will be carport style and will not produce any glare, and will be placed in the existing footprint of the parking areas. It is not anticipated that either type of array will affect the aesthetic character of the sites because they are in developed areas with limited scenic views.

In order to minimize damage to trees, any roots exposed during construction activities will be clean cut. Appropriate Best Management Practices (BMPs) will be implemented during construction. General Plan Conformance will be necessary from the cities of Richmond, Martinez, and Antioch.

Name of Public Agency Approving Project: **Contra Costa County**

Name of Person or Agency Carrying Out Project: **Contra Costa County Public Works Department**

Exempt Status:

- Ministerial Project (Sec. 21080(b) (1); 15268;
- Declared Emergency (Sec. 21080(b)(3); 15269(a));
- Emergency Project (Sec. 21080(b)(4); 15269(b)(c));
- Categorical Exemption: Class 15301(a) and Class 15303(e)
- Other Statutory Exemption, Code No.: _____
- Common Sense Exemption [Section 15061 (b)(3)]

Reasons why project is exempt: The project consists of the minor alteration of existing public structures, facilities, mechanical equipment, or topographical features, involving negligible or no expansion of use beyond that existing at the time of the lead agency's determination, pursuant to Section 15301(a) and the location of limited new small facilities; installation of small new equipment and facilities in small structures pursuant to Section 15303(e) of the State CEQA Guidelines.

Lead Agency Contact Person: Laura Cremin - Public Works Dept. Area Code/Telephone/Extension: (925) 313-2015.

If filed by applicant:

1. Attach certified document of exemption finding.
2. Has a Notice of Exemption been filed by the public agency approving the project? Yes No

Signature: Telma B. Morera Date 5/6/19 Title: Principal Planner

Contra Costa County Department of Conservation and Development

Signed by Lead Agency Signed by Applicant

AFFIDAVIT OF FILING AND POSTING

I declare that on _____ I received and posted this notice as required by California Public Resources Code Section 21152(c). Said notice will remain posted for 30 days from the filing date.

Signature

Title

Applicant:

Public Works Department
255 Glacier Drive
Martinez, CA 94553
Attn: Laura Cremin
Environmental Services Division
Phone: (925) 313-2015

Department of Fish and Game Fees Due

- EIR - \$3,271.⁰⁰
- Neg. Dec. - \$2,354.⁷⁵
- DeMinimis Findings - \$0
- County Clerk - \$50
- Conservation & Development - \$25

Total Due: **\$75** _____

Total Paid \$ _____

Receipt #: _____