

PUBLIC WORKS DEPARTMENT
INITIAL STUDY OF
ENVIRONMENTAL SIGNIFICANCE

PROJECT NUMBER: WW0902
CP# 16-52

PROJECT NAME: Contra Costa County Fire District-Solar Panel Installation, HVAC Upgrades,
and Energy Conservation Improvements [000-1702]

PREPARED BY: Trina R. Torres *TR* DATE: November 21, 2016

APPROVED BY: *Linda C. Co* DATE: Nov. 23, 2016

RECOMMENDATIONS:

Categorical Exemption: 15301 [Class 1(d)]

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(d) of the California Environmental Quality Act (CEQA) guidelines; (d) Restoration or rehabilitation of deteriorated or damaged structures, facilities, or mechanical equipment to meet current standards of public health and safety.

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

USGS Quad Sheet: multiple	Base Map Sheet #: multiple	Parcel #: multiple
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GENERAL CONSIDERATIONS:

1. **Location:** The project is located at multiple Contra Costa County Fire District (District)-owned facilities. [Figures 1- 3D].
2. **Project Description:** The purpose of the project is to install photovoltaic/solar electricity generating panels, LED lighting, and supporting equipment; and, upgrade the heating, ventilation, and air conditioning (HVAC) systems; boiler replacement, water conservation equipment upgrades; and, install other energy conservation measure (ECM) improvements.
 - A. **Solar Upgrades:** The solar equipment will consist of solar panels, brackets, wiring, electric meters and other associated equipment required to provide solar-electric energy to the following four (4) District facilities [Figures: 1, 2A through 3D]:
 - 1) Fire Station (FS) #10/Training Center (Concord)
 - Removal of approximately twenty ornamental trees (raywood ash and deodor) may be necessary for the installation of the solar panels in the parking lot at this location. If trees are removed during nesting bird season (February 15-August 31), a biologist will conduct a nesting bird survey prior to tree removal. The other remaining trees will not be affected.
 - 2) FS#11 (Clayton area): Panels and support beams will be installed in the existing parking lot.
 - 3) FS#84 (Pittsburg): Panels and support beams will be installed in the existing parking lot.
 - 4) Delta Fair RES-BCT (Antioch area): This area is a vacant field. Foundations will be installed for support beams and solar panels.

**Contra
Costa
County**

B. HVAC Upgrades and improvements: HVAC system upgrades will include repairing or replacing existing HVAC units, structural supports, retrofitting HVAC controls, replacing existing variable air volume boxes with new terminal boxes, and replacing existing reheat coil, boiler replacement/upgrades, as well upgrading other HVAC system equipment at the following District facilities [Figure 1]:

- 1) FS#1, FS#3, and FS#7 (Walnut Creek)
- 2) FS#10 and FS#22 (Concord)
- 3) FS#13 and FS#14 (Martinez)
- 4) FS#81 and FS#88 (Antioch)
- 5) Administration Building-Central and Communication Center (Pleasant Hill)
- 6) Investigations Building (Pittsburg)

C. Water Conservation and other ECM improvements: Retrofitting lavatory and kitchen sink faucets, aerators, and upgrade supporting equipment.

No real estate transactions are necessary in support of the project.

Vehicles will be diverted around the project area during construction activities.

Trees and shrubbery may need trimming in the project areas. In order to minimize damage to any nearby trees, any roots exposed during excavation will be cut cleanly.

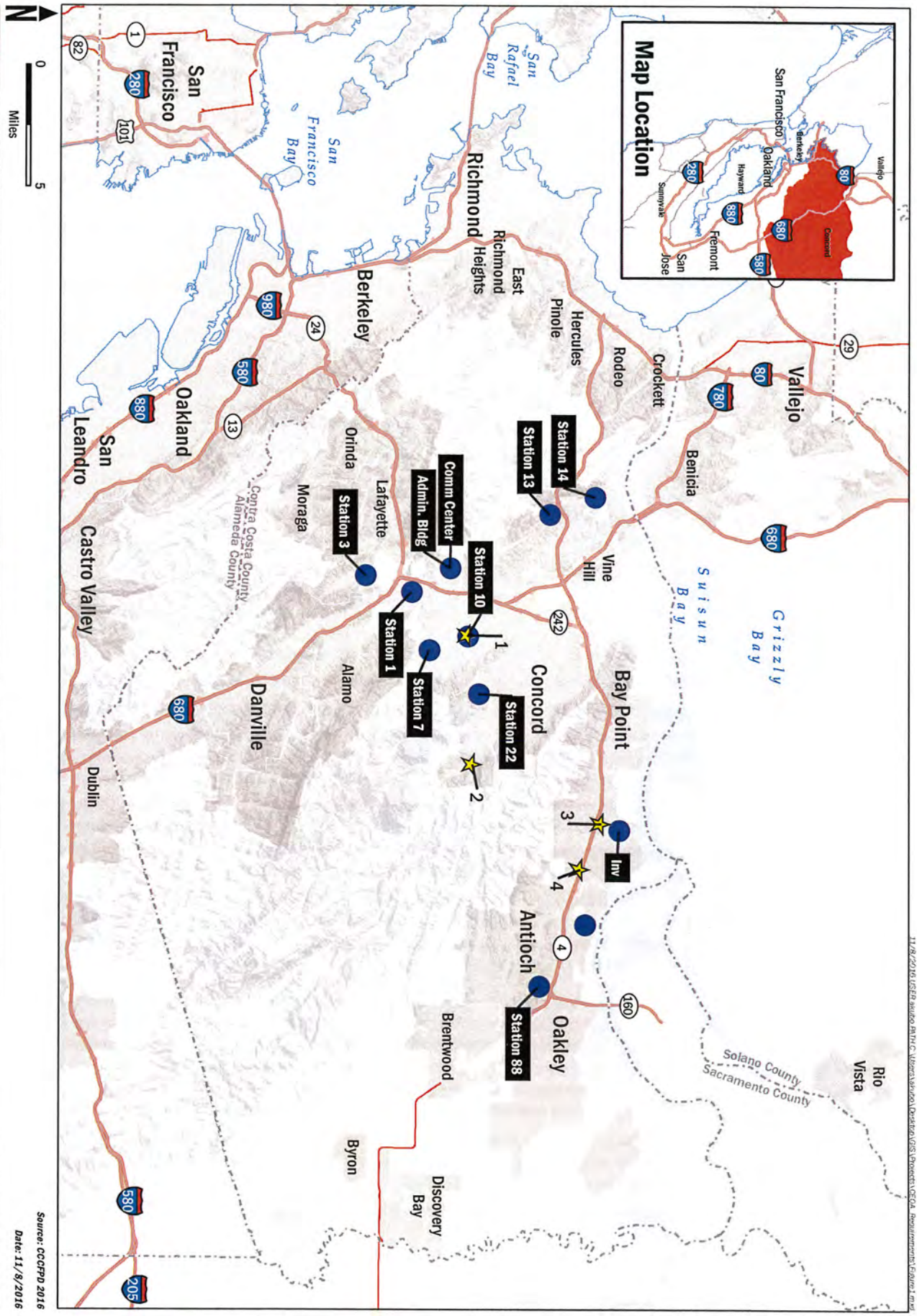
3. Does it appear that any feature of the project will generate significant public concern?

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, multiple.



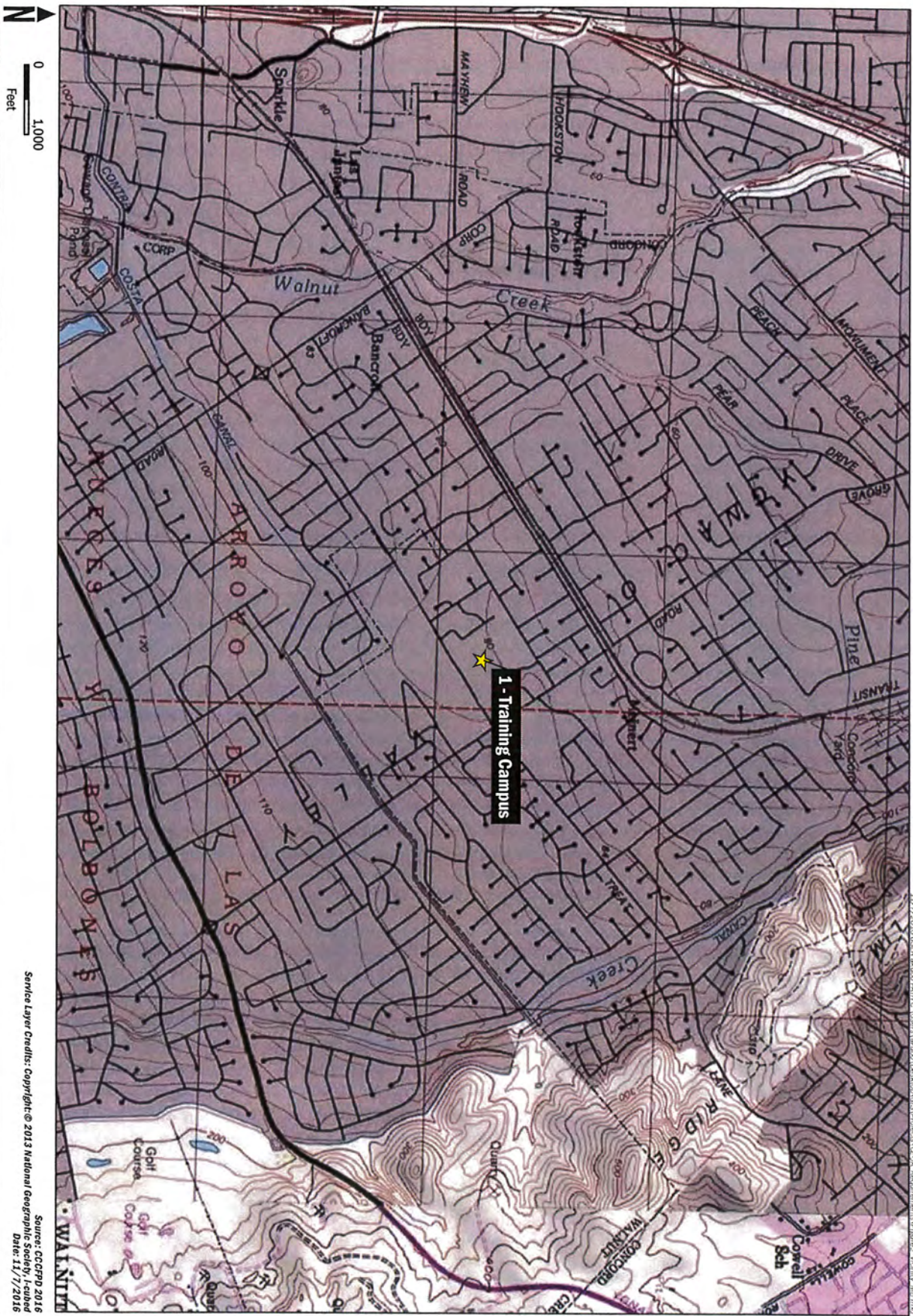
Contra Costa County Fire Protection District
CCCFPD

- ★ Proposed Solar Panel Location
- HVAC Work Location

FIGURE 1
County Location Map

Source: CCCFPD 2016
Date: 11/8/2016

11/7/2016 10:59 AM Job: RPT/C:\Users\jburke\Documents\GIS\Projects\CCFD_Vicinity\Map_Area.mxd



Source: CCFPD 2016
Service Layer Credits: Copyright © 2013 National Geographic Society, Labeled
Date: 11/7/2016

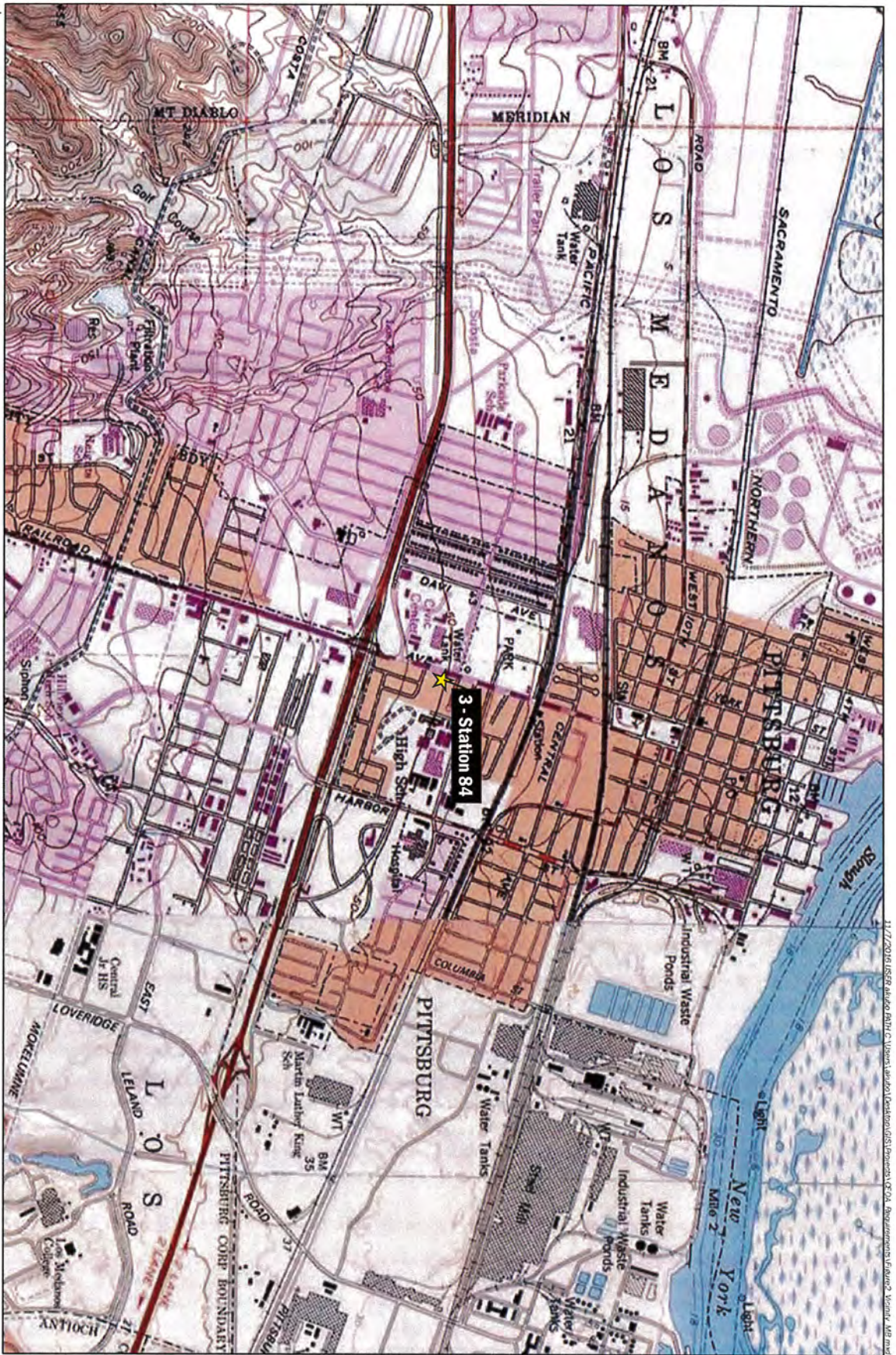
FIGURE 2A

Vicinity Map - Training Campus

★ Proposed Solar Panel Location



Contra Costa County Fire Protection District
CCFPD



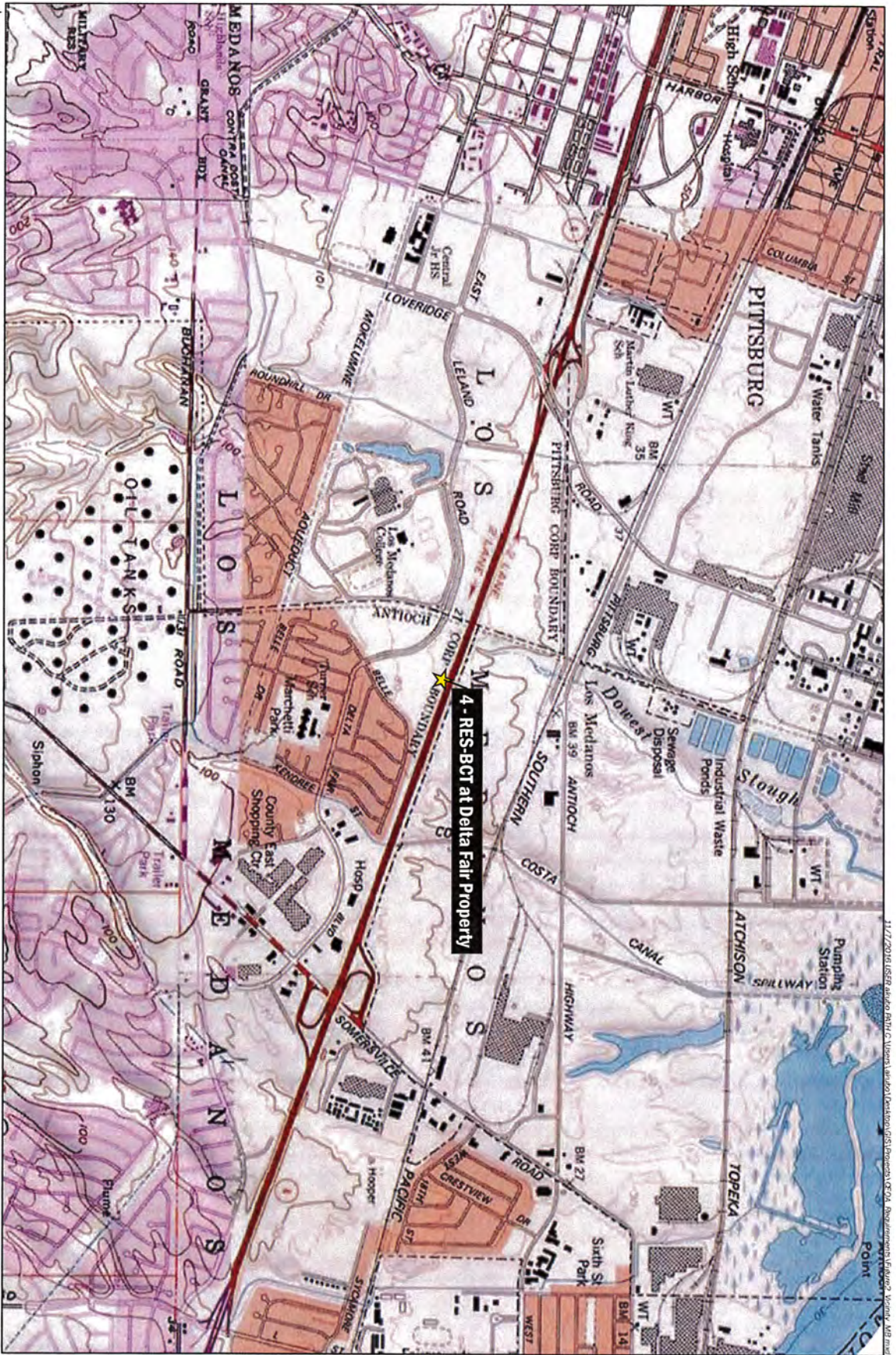
Source: CCGFPD 2016
 Service Layer Credits: Copyright © 2013 National Geographic Society, i-Subbed
 Date: 11/7/2016



Contra Costa County Fire Protection District
 CCGFPD

★ Proposed Solar Panel Location

FIGURE 2C
 Vicinity Map - Station 84



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Source: CCCFPD 2016
 Service Layer Credits: Copyright: © 2013 National Geographic Society, Inc. Used
 Date: 11/7/2016

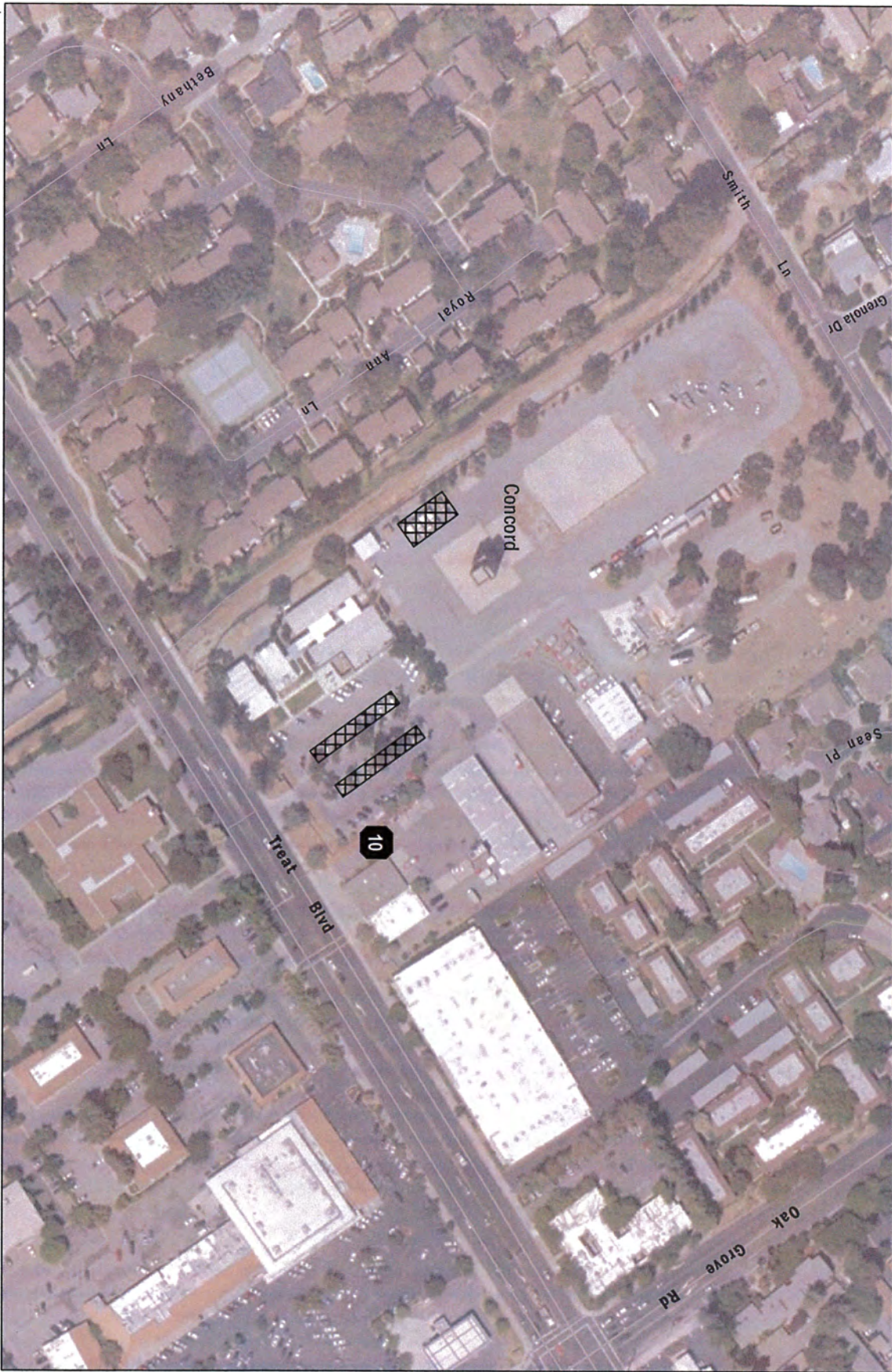


Contra Costa County Fire Protection District
 CCCFPD



Proposed Solar Panel Location

FIGURE 2D
 Vicinity Map - RES-BCT at Delta Fair Property



Source: CCCFPD 2016
 Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, GeoMapping, AeroGRID, IGN, IGP, swisstopo, and the GIS User Community
 Date: 11/7/2016



Contra Costa County Fire Protection District
 CCCFPD



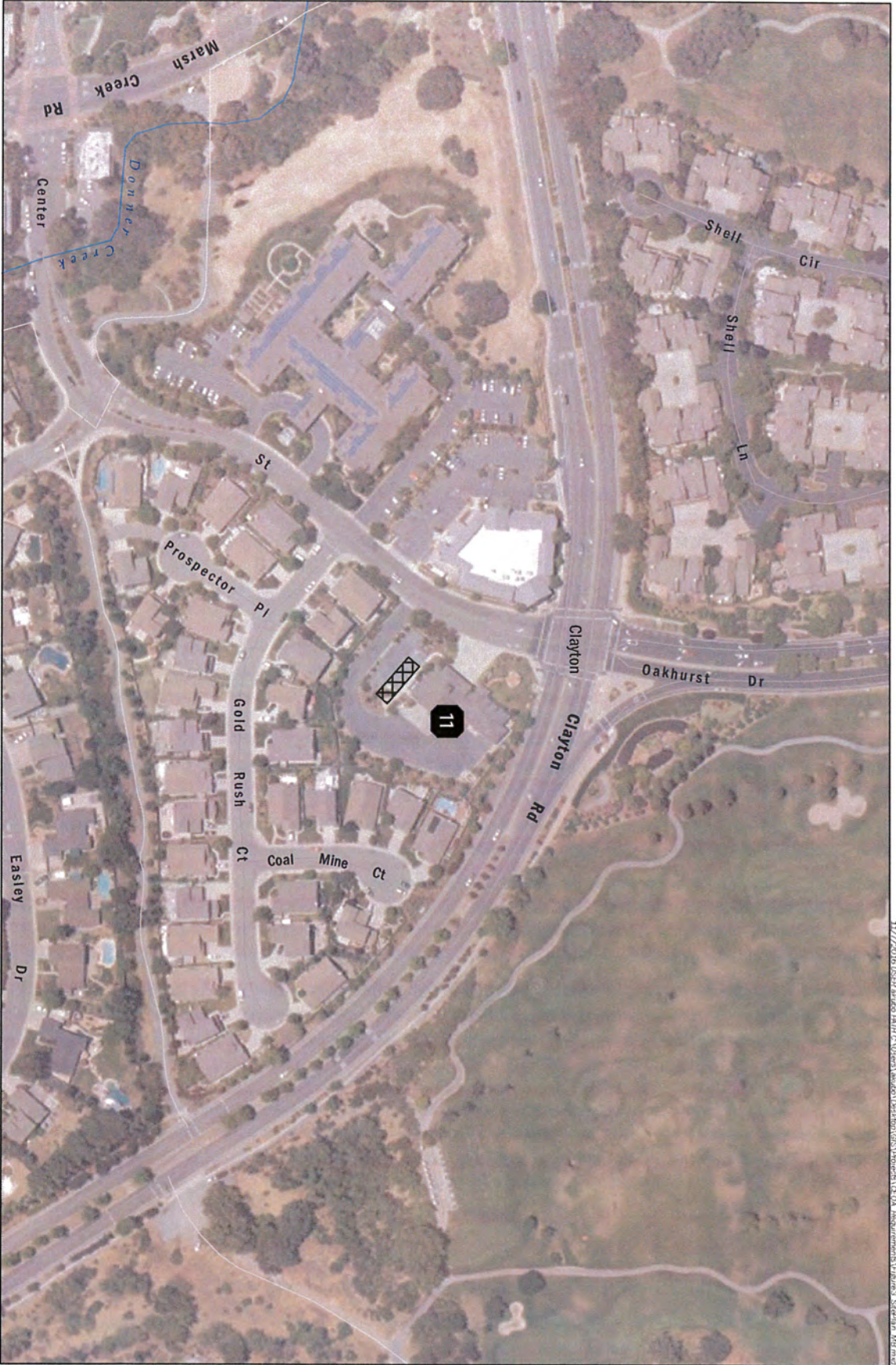
Fire Station



Solar Panel

FIGURE 3A

Site Plan - Training Campus



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Source: CCGFPD 2016
 Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, getmapping, Aergrid, IGN, IGP, swisstopo, and the GIS User Community
 Date: 11/7/2016



Contra Costa County Fire Protection District
 CCCFPD



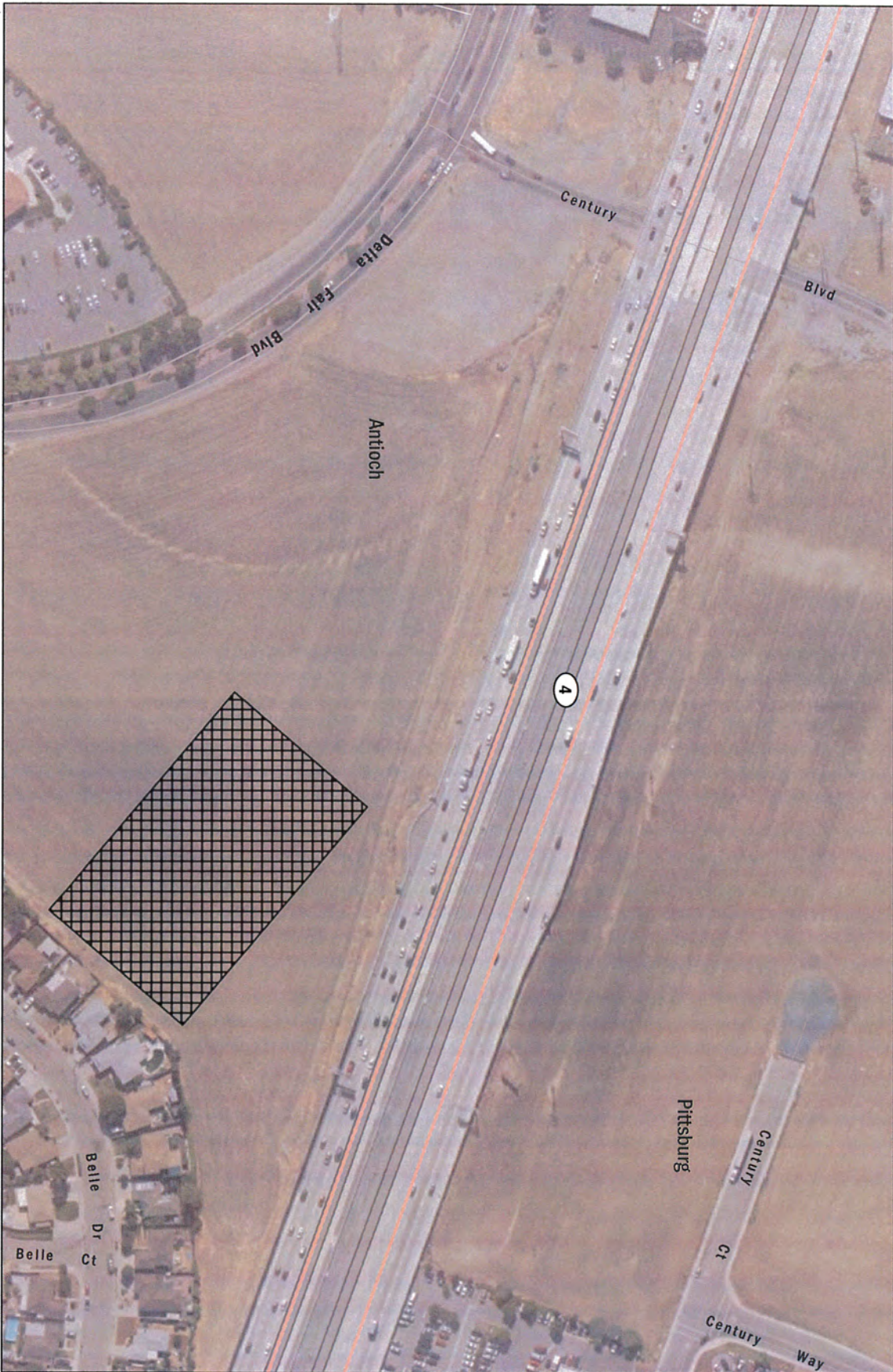
Fire Station



Solar Panel

FIGURE 3B

Site Plan - Station 11



Source: CCFPD 2016
 Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community
 Date: 11/7/2016



Contra Costa County Fire Protection District
 CCFPD



Fire Station



Solar Panel

FIGURE 3D
 Site Plan - RES-BCT at Delta Fair Property

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

County Clerk
County of: Contra Costa

Project Title: **Contra Costa County Fire District - Solar Panel Installation,
HVAC Upgrades, and Energy Conservation Improvements
[000-1702] Replacement, Project No. WW0902, CP# 16-52**

Project Applicant: **Contra Costa County Public Works Department**

Project Location – **Specific:** Multiple Contra Costa County Fire District (District)-owned facilities, Countywide

Project Location: Countywide

Project Location – County: **Contra Costa**

Description of Nature, Purpose and Beneficiaries of Project: The purpose of the project is to install photovoltaic/solar electricity generating panels, LED lighting, and supporting equipment; and, upgrade the heating, ventilation, and air conditioning (HVAC) systems; boiler replacement, water conservation equipment upgrades; and, install other energy conservation measure (ECM) improvements. The project is located at multiple Contra Costa County Fire District (District)-owned facilities, countywide.

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Notice of Exemption-continued
CP# 16-52

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; **Categorical Exemption: 15301/Class 1(d)**
 Declared Emergency (Sec. 21080(b)(3); 15269(a)); Other Statutory Exemption, Code No.: _____
 Emergency Project (Sec. 21080(b)(4); 15269(b)(c)); General Rule of Applicability [Article 5, 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(d) of the California Environmental Quality Act (CEQA) guidelines; (d) Restoration or rehabilitation of deteriorated or damaged structures, facilities, or mechanical equipment to meet current standards of public health and safety.

Lead Agency Contact Person: **Trina R. Torres - Public Works Dept.** Area Code/Telephone/Extension: **(925) 313-2176**

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: _____ Date: _____ Title: _____

- 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: **Trina R. Torres**
Environmental Services Division
Phone: (925) 313-2176

Department of Fish and Game Fees Due

- EIR - \$3,070.⁰⁰
 Neg. Dec. - \$2,210.²⁵
 DeMinimis Findings - \$0
 County Clerk - \$50
 Conservation & Development - \$25

Total Due: \$ 75.⁰⁰

Total Paid \$ _____

Receipt #: _____