

Appendix 1-A – Figures

LSPGC - Gates 500 kV
Dynamic Reactive Support Project

Figure 3-1 General Vicinity

Fresno County, CA

LEGEND

Project Components

★ Project Site

General Features

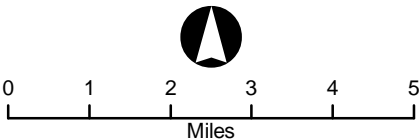
Interstate

Highway

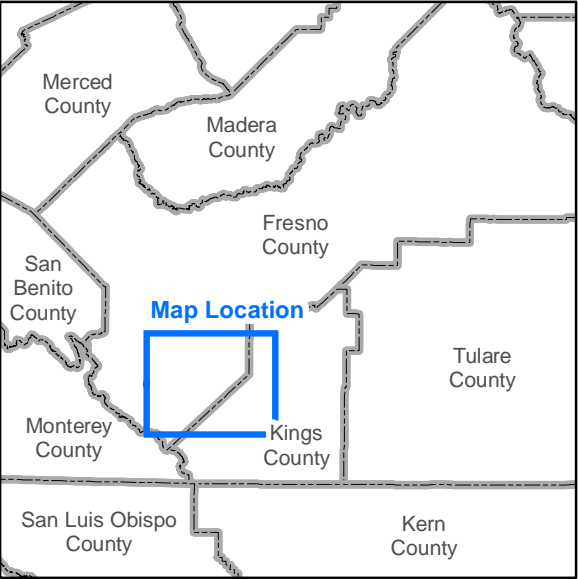
Railroad

Municipal Boundary

County Boundary



SPCS NAD 83, CA Zone IV, US Ft.
Data Sources: CalTrans, ESRI, USDA.
E:\Projects\Gates\MXD\PEA\Fig 3-1 General Vicinity 101920



LSPGC - Gates 500 kV
Dynamic Reactive Support Project

Figure 3-2 Project Location

Fresno County, CA

LEGEND

Project Components

Site Boundary - Approx. 20 Acres

General Features

Existing 500kV Transmission Line

Existing 230kV Transmission Line

Existing <100kV Transmission Line

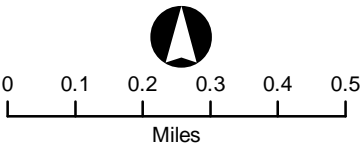
Interstate

State Highway

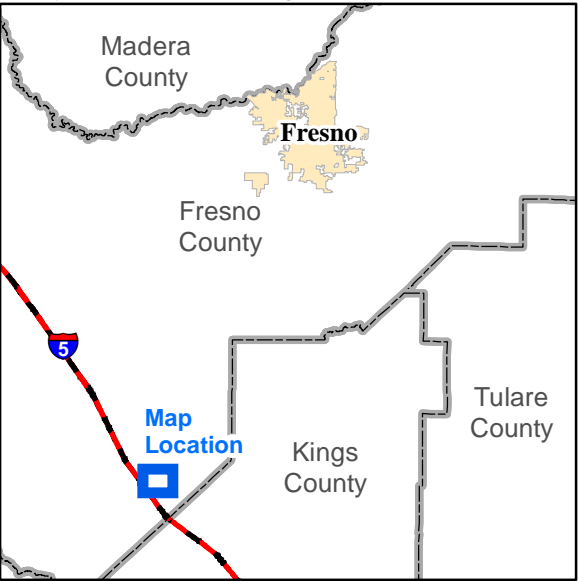
Gates Substation

County Boundary

Municipality



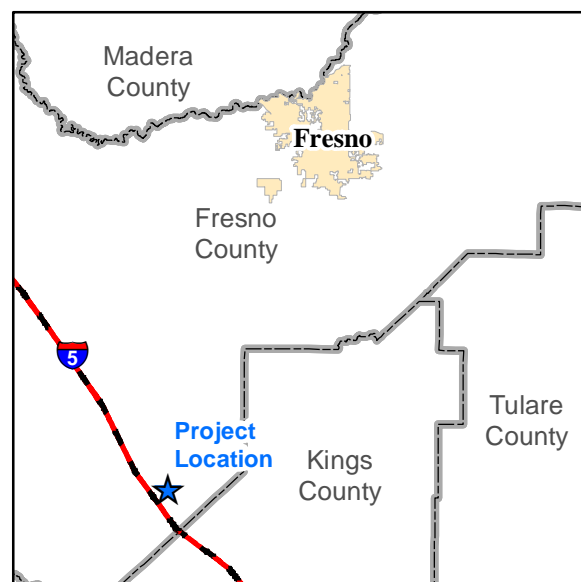
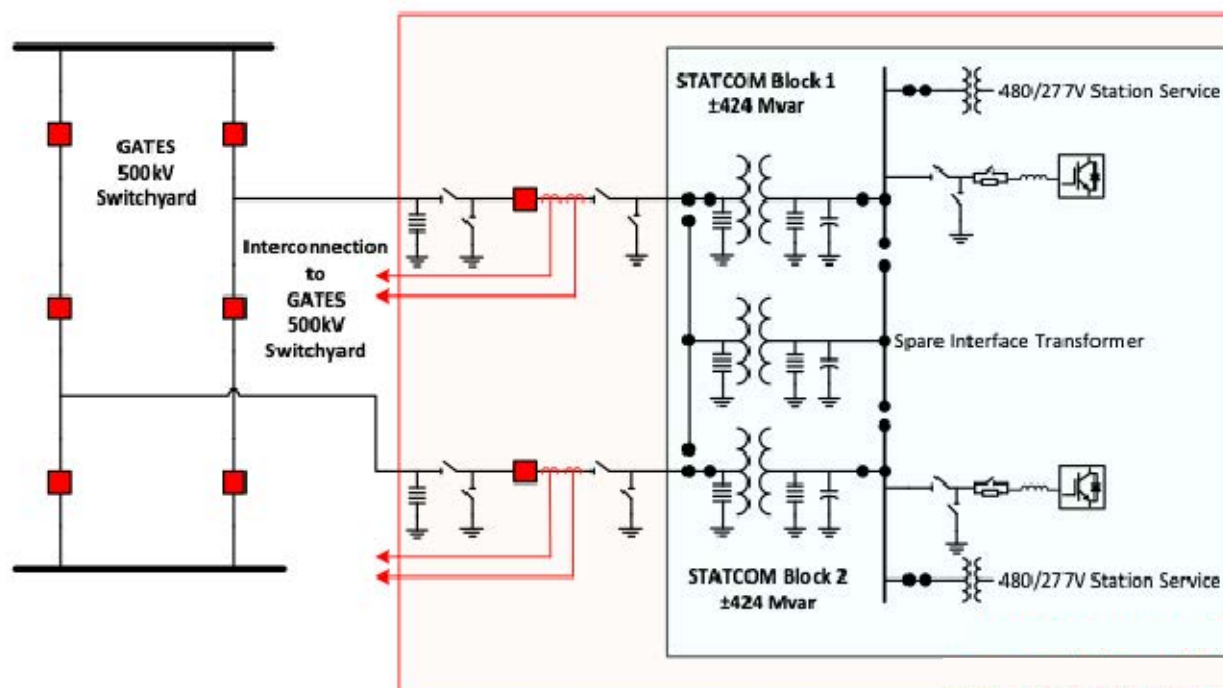
SPCS NAD 83, CA Zone IV, US Ft.
Data Sources: CalTrans, ESRI, Fresno County, USDA.
E:\Projects\Gates\MXD\PEA\Fig 3-2 Project Location 101920



**LSPGC - Gates 500 kV
Dynamic Reactive Support Project**

**Figure 3-3
STATCOM Substation Diagram**

Fresno County, CA



LSPGC - Gates 500 kV
Dynamic Reactive Support Project

Figure 3-4 Project Overview

Fresno County, CA

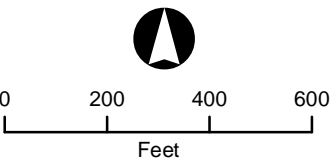
LEGEND

Project Components

- Project Take-Off Structure
- Project Tie Line
- Project Tie Line (if Using Spare Transformer)
- Distribution Line
- Primary Telecommunications Line
- Secondary Telecommunications Line
- Substation Fence
- Gate
- Transformer
- Spare Transformer
- Outdoor Cooler
- Reactor
- Converter & Control Enclosure
- Interior Access Road
- Exterior Access Road
- Stormwater Conveyance System
- Stormwater Detention Basin
- Site Boundary - Approx. 20 Acres

General Features

- Existing 500kV Transmission Line
- Existing 230kV Transmission Line
- Existing <100kV Transmission Line
- Interstate
- Gates Substation
- County Boundary
- Municipality



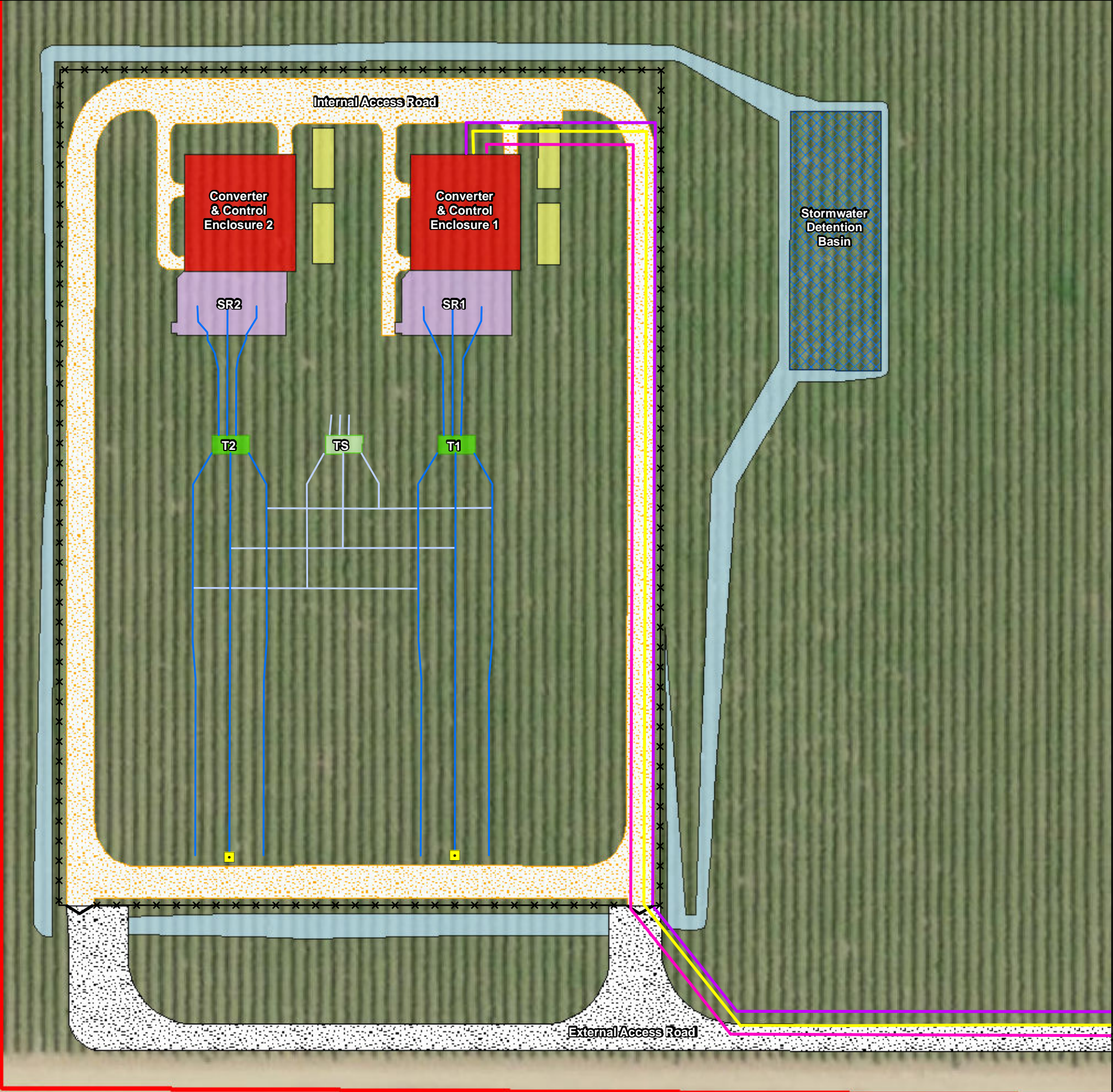
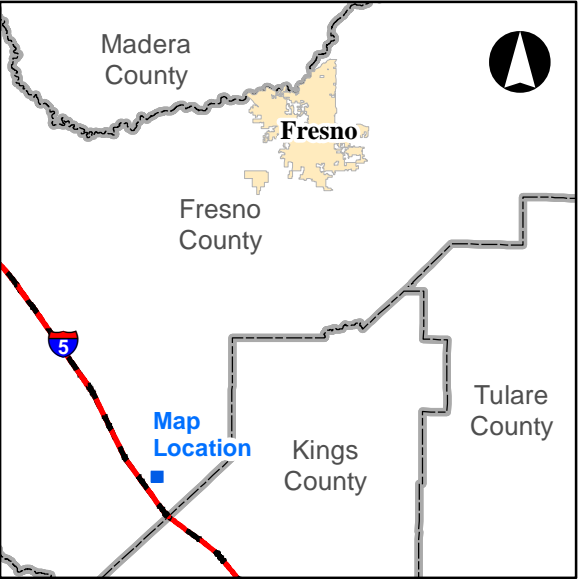
SPCS NAD 83, CA Zone IV, US Ft.
Data Sources: CalTrans, ESRI, Fresno County, USDA.
E:\Projects\Gates\MXDs\PEA\Fig 3-4 Project Overview 101220.mxd

LSPGC - Gates 500 kV
Dynamic Reactive Support Project

Figure 3-5
STATCOM Substation General
Arrangement
Fresno County, CA

LEGEND

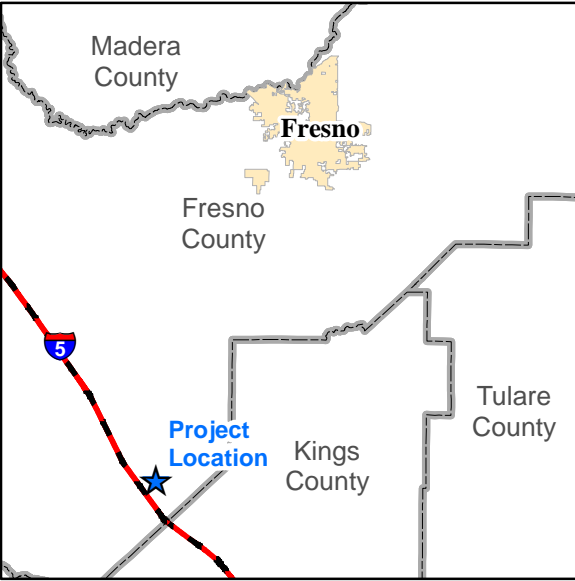
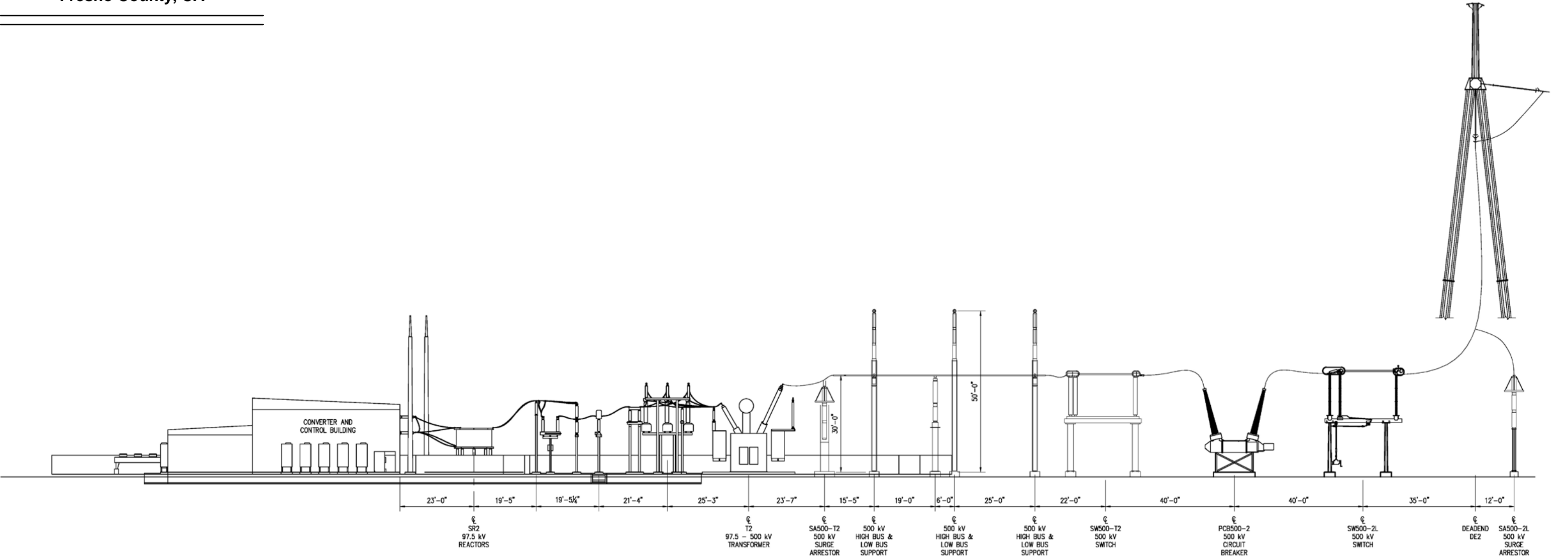
- Project Components**
- Project Take-Off Structure
 - Project Tie Line
 - Project Tie Line (if Using Spare Transformer)
 - Distribution Line
 - Primary Telecommunications Line
 - Secondary Telecommunications Line
 - Substation Fence
 - Gate
 - Transformer
 - Spare Transformer
 - Outdoor Cooler
 - Reactor
 - Converter & Control Enclosure
 - Interior Access Road
 - Exterior Access Road
 - Stormwater Conveyance System
 - Stormwater Detention Basin
 - Site Boundary - Approx. 20 Acres
- General Features**
- Interstate
 - County Boundary
 - Municipality
- 0 50 100 150 200
Feet



LSPGC - Gates 500 kV
Dynamic Reactive Support Project

Figure 3-6
STATCOM Substation Profile

Fresno County, CA



LSPGC - Gates 500 kV
Dynamic Reactive Support Project

Figure 3-7 Construction Staging Area

Fresno County, CA

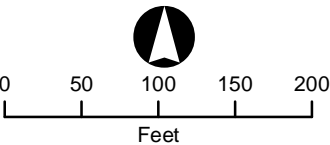
LEGEND

Project Components

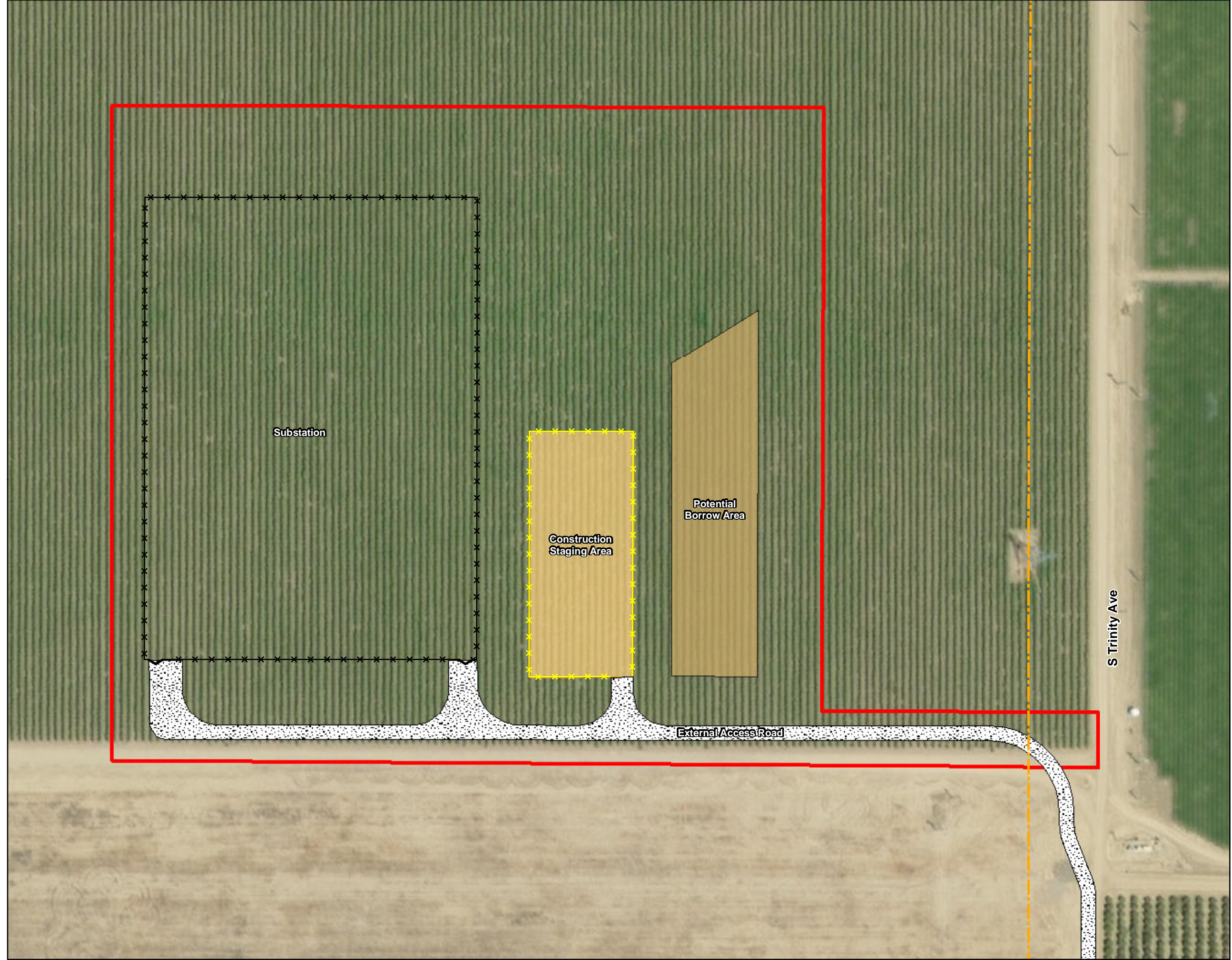
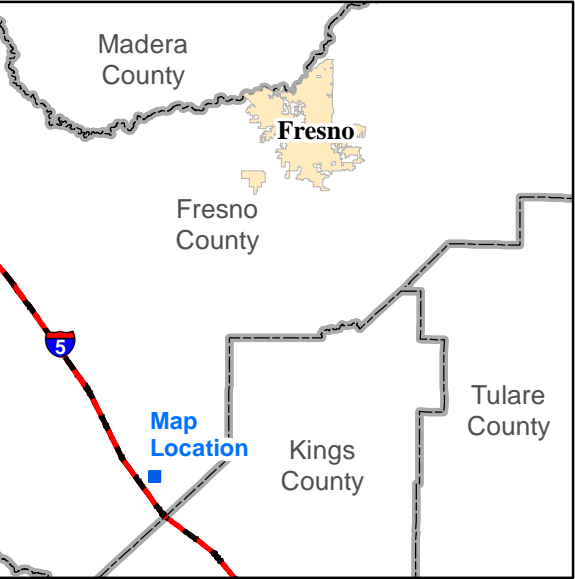
- Substation Fence
- Temporary Staging Area Fence
- Gate
- Exterior Access Road
- Construction Staging Area
- Potential Borrow Area
- Site Boundary - Approx. 20 Acres

General Features

- Existing <100kV Transmission Line
- Interstate
- County Boundary
- Municipality



SPCS NAD 83, CA Zone IV, US Ft.
Data Sources: CalTrans, ESRI, Fresno County, USDA.
E:\Projects\Gates\MXD\PEA\Fig 3-7 Staging Area 101220



LSPGC - Gates 500 kV
Dynamic Reactive Support Project

Figure 3-8 Project Disturbance Areas

Fresno County, CA

LEGEND

Project Components

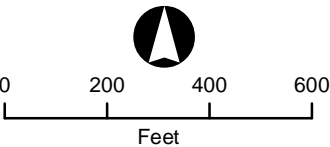
- Substation Fence
- Silt Fence
- Exterior Access Road
- Construction Staging Area Access Road
- Stormwater Detention Basin
- Construction Staging Area
- Potential Borrow Area
- Site Boundary - Approx. 20 Acres

Project Disturbance Areas

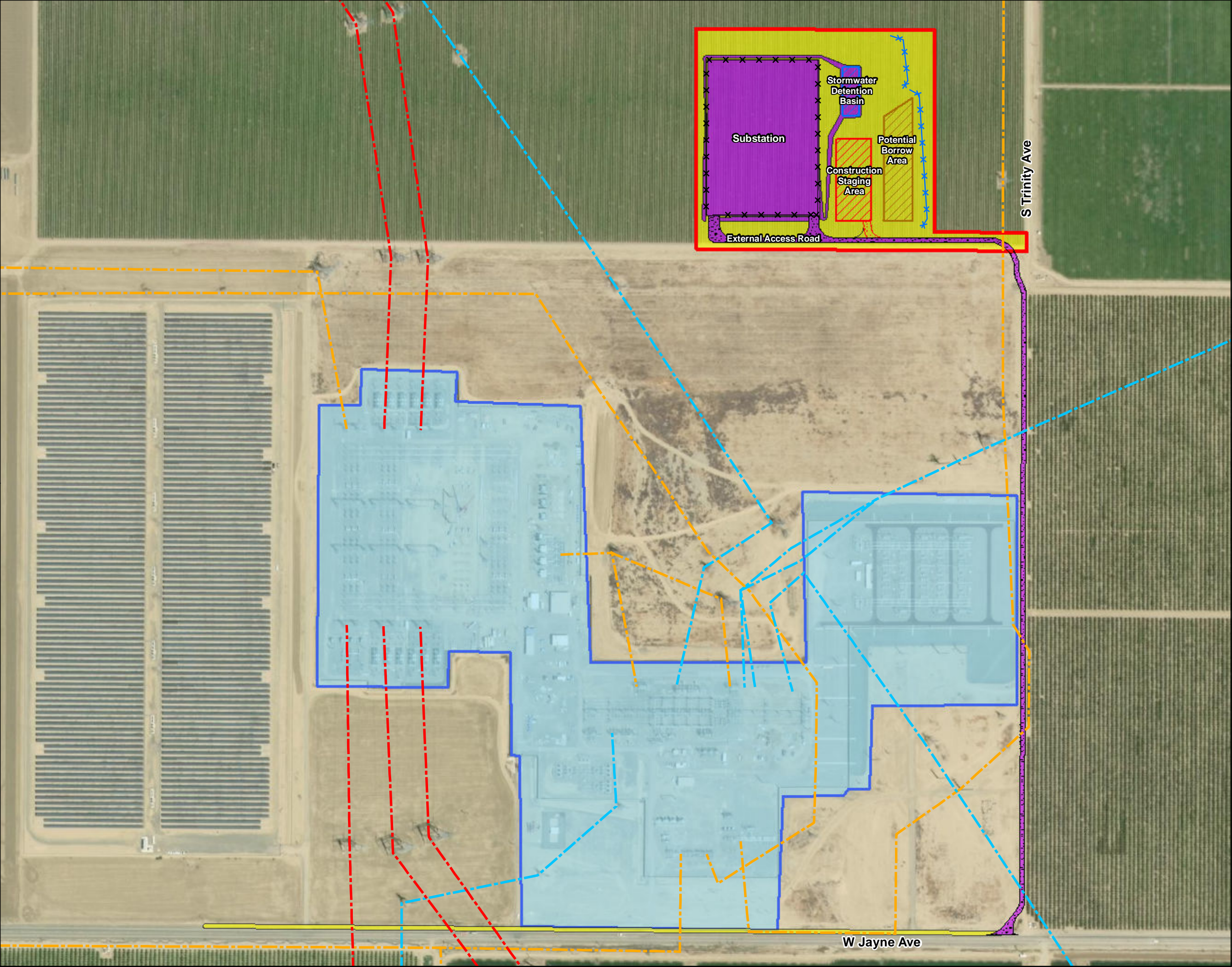
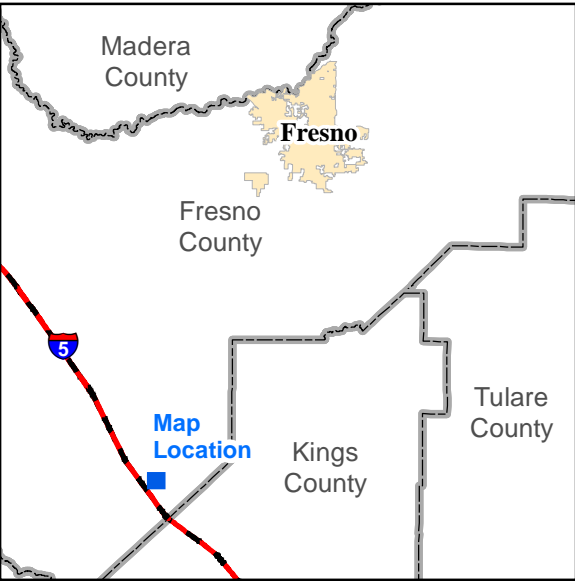
- Temporary Disturbance Area
- Permanent Disturbance Area

General Features

- Existing 500kV Transmission Line
- Existing 230kV Transmission Line
- Existing <100kV Transmission Line
- Interstate
- Gates Substation
- County Boundary
- Municipality



SPCS NAD 83, CA Zone IV, US Ft.
Data Sources: CalTrans, ESRI, Fresno County, USDA.
E:\Projects\Gates\MXDs\PEA\Fig 3-8 Project Dist Areas 101220.mxd



LSPGC - Gates 500 kV
Dynamic Reactive Support Project

Figure 4.1-1
Scenic Resources

Fresno County, CA

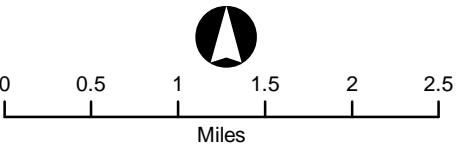
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Project Components

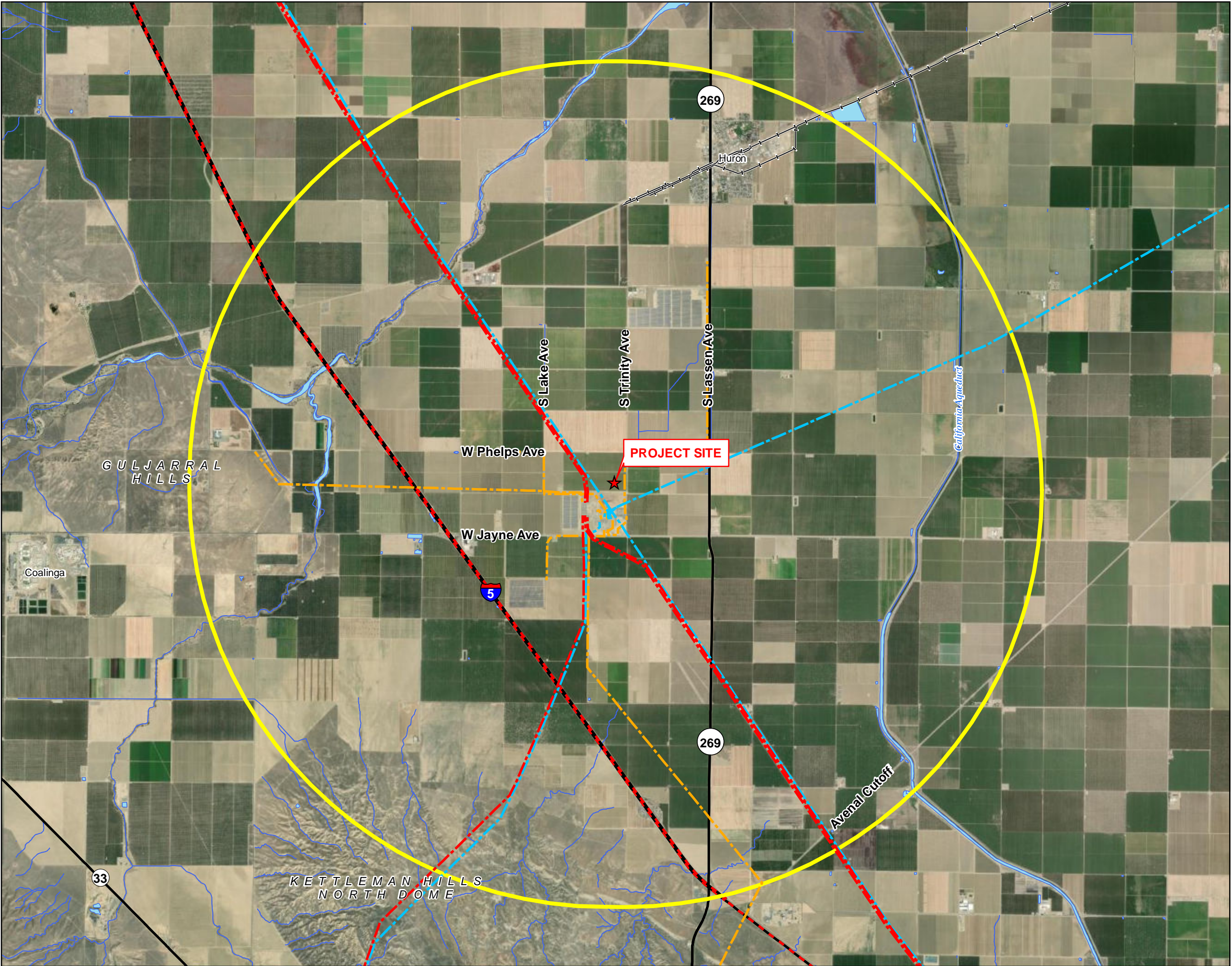
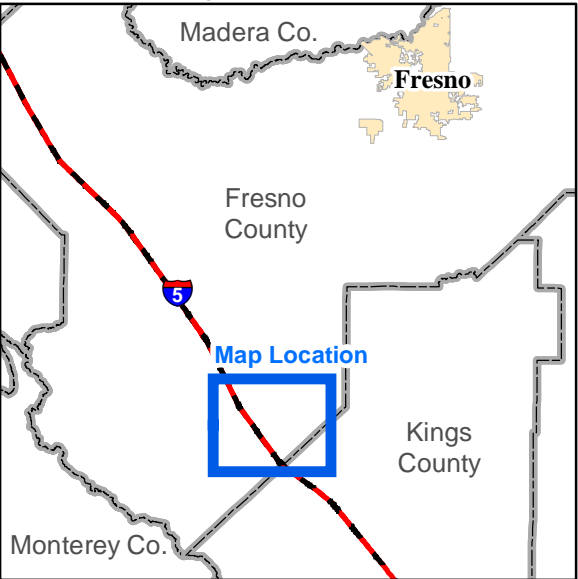
- ★ Project Site
- 5-Mile Buffer of Project Site

General Features

- Existing 500kV Transmission Line
- Existing 230kV Transmission Line
- Existing <100kV Transmission Line
- Interstate
- State Highway
- Railroad
- County Boundary
- Municipality
- NWI Wetlands













SPCS NAD 83, CA Zone IV, US Ft.
Data Sources: CalTrans, ESRI, Fresno County, USDA.
...\\Gates\\MXDs\\PEA\\Fig 4.1-1 Scenic Resources 101920.mxd

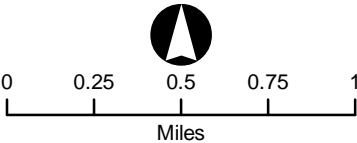


LSPGC - Gates 500 kV
Dynamic Reactive Support Project

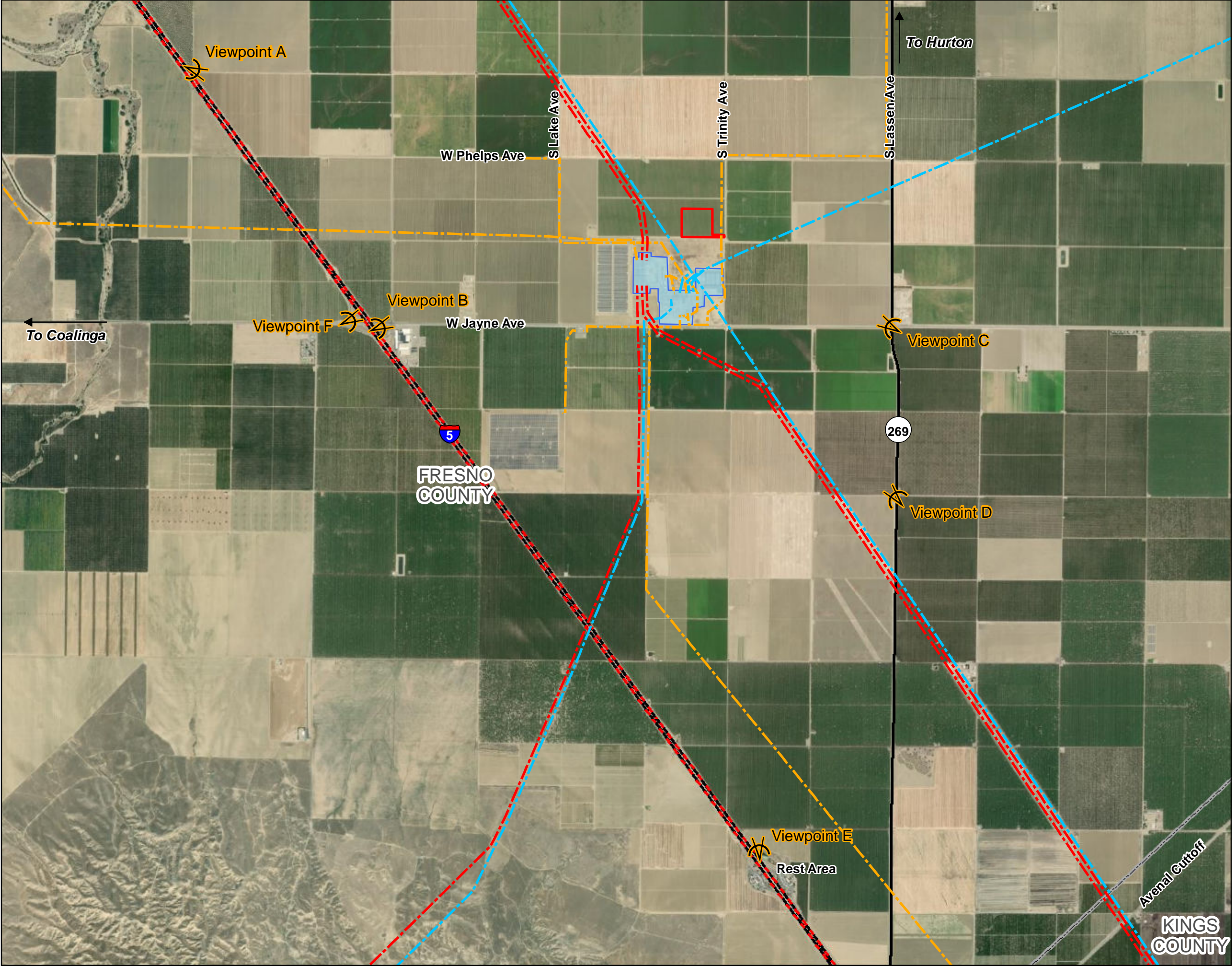
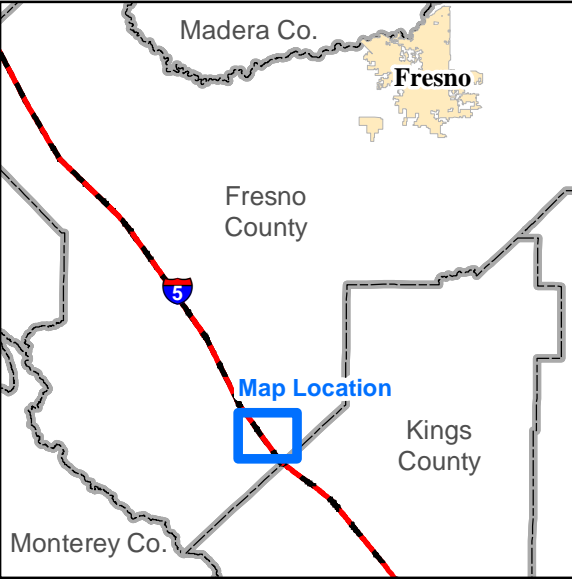
Figure 4.1-2
Representative Viewpoints
Fresno County, CA

LEGEND

- Project Components**
-  Representative Viewpoint Location
 -  Site Boundary
- General Features**
-  Existing 500kV Transmission Line
 -  Existing 230kV Transmission Line
 -  Existing <100kV Transmission Line
 -  Interstate
 -  State Highway
 -  Gates Substation
 -  County Boundary
 -  Municipality



SPCS NAD 83, CA Zone IV, US Ft.
Data Sources: CalTrans, ESRI, Fresno County, USDA.
...\\Gates\\MXDs\\PEA\\Fig 4.1-2 Representative Viewpoints 101920



Existing View



I-5 Looking Southeast

Refer to Figure 4.1-2 for photograph viewpoint locations.

**Figure 4.1-3: KOP A
Representative Photographs**
LS Power Gates 500 kV Dynamic Reactive Support Project

Existing View



I-5 and West Jayne Ave Intersection Looking East

Refer to Figure 4.1-2 for photograph viewpoint locations.

**Figure 4.1-4: KOP B
Representative Photographs**
LS Power Gates 500 kV Dynamic Reactive Support Project

Existing View



Lassen Ave and West Jayne Ave Intersection Looking Northwest

Refer to Figure 4.1-2 for photograph viewpoint locations.

**Figure 4.1-5: KOP C
Representative Photographs**
LS Power Gates 500 kV Dynamic Reactive Support Project

Existing View



Lassen Ave Looking Northwest

Refer to Figure 4.1-2 for photograph viewpoint locations.

**Figure 4.1-6: KOP D
Representative Photographs**
LS Power Gates 500 kV Dynamic Reactive Support Project

Existing View



Interstate 5 Rest Area Looking North

Refer to Figure 4.1-2 for photograph viewpoint locations.

**Figure 4.1-7: KOP E
Representative Photographs**
LS Power Gates 500 kV Dynamic Reactive Support Project

Existing View

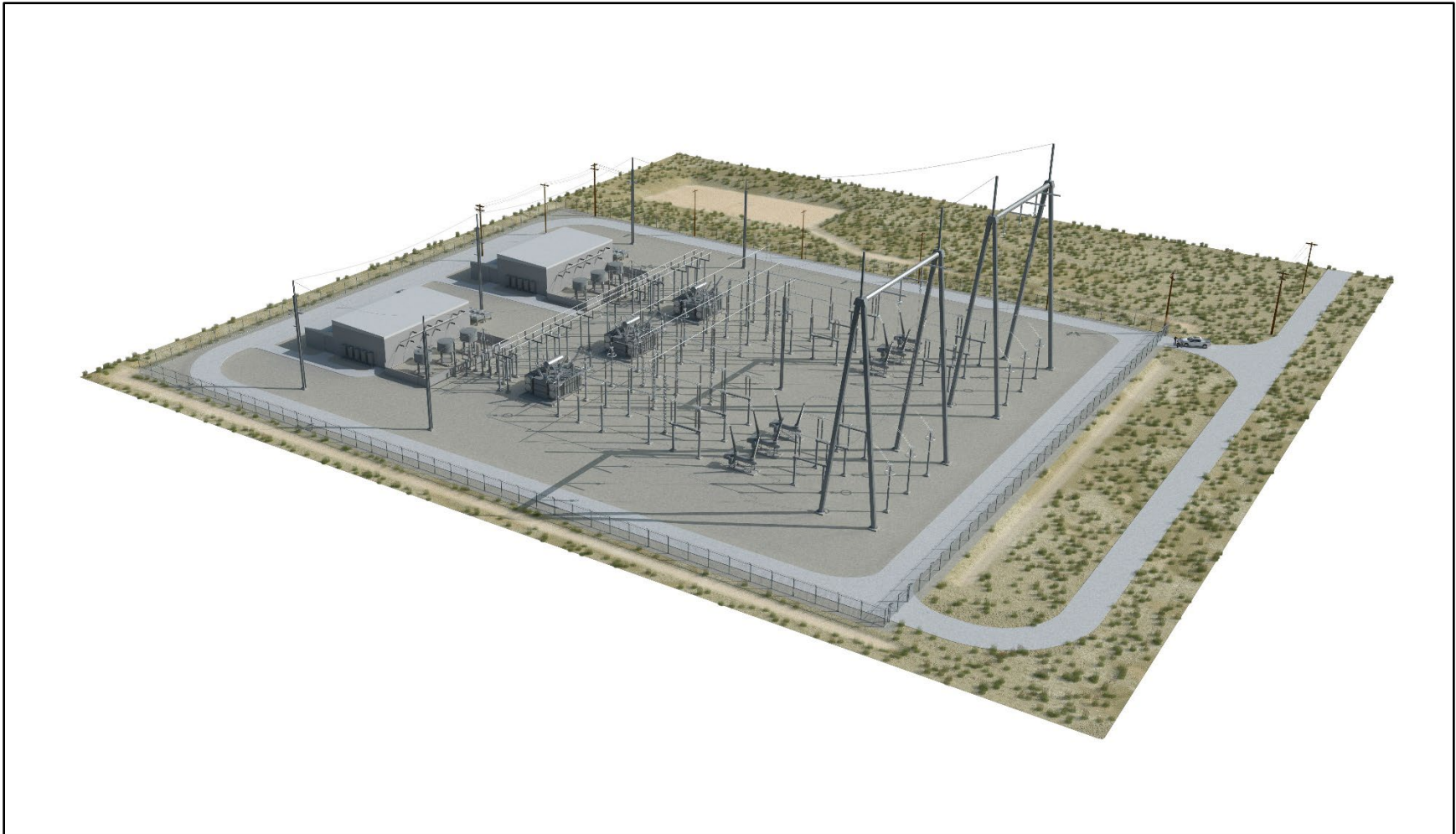


West Jayne Ave West of Interstate 5 Looking Northeast

Refer to Figure 4.1-2 for photograph viewpoint locations.

**Figure 4.1-8: KOP F
Representative Photographs**
LS Power Gates 500 kV Dynamic Reactive Support Project

Existing View



Switchyard Render Looking Northeast

Refer to Figure 4.1-2 for Project site location.

**Figure 4.1-9: Switchyard
Representative Rendering**
LS Power Gates 500 kV Dynamic Reactive Support Project



**LSPGC - Gates 500 kV
Dynamic Reactive Support Project**

Figure 4.2-1 Agricultural Resources









Fresno County, CA

LEGEND





Project Components

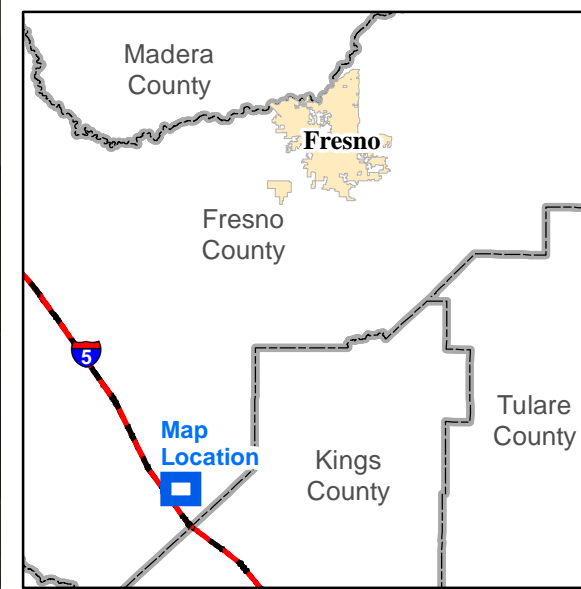
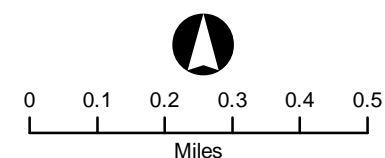
- - - Access Road
-  Site Boundary - Approx. 20 Acres
-  1-Mile Buffer of Site Boundary and Access Road

General Features

-  Existing 500kV Transmission Line
-  Existing 230kV Transmission Line
-  Existing <100kV Transmission Line
-  Interstate
-  State Highway
-  Gates Substation
-  County Boundary
-  Municipality

Agricultural Resources

-  Williamson Act Lands
-  Prime Farmland
-  Farmland of Local Importance
-  Urban and Built-Up Land



LSPGC - Gates 500 kV
Dynamic Reactive Support Project

Figure 4.3-1 Construction Site
and Sensitive Receptor Locations

Fresno County, CA

LEGEND

Project Components

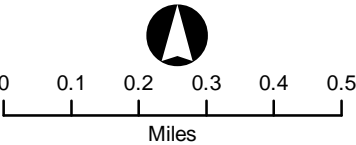
- Access Road
- Site Boundary - Approx. 20 Acres

Sensitive Receptor Locations

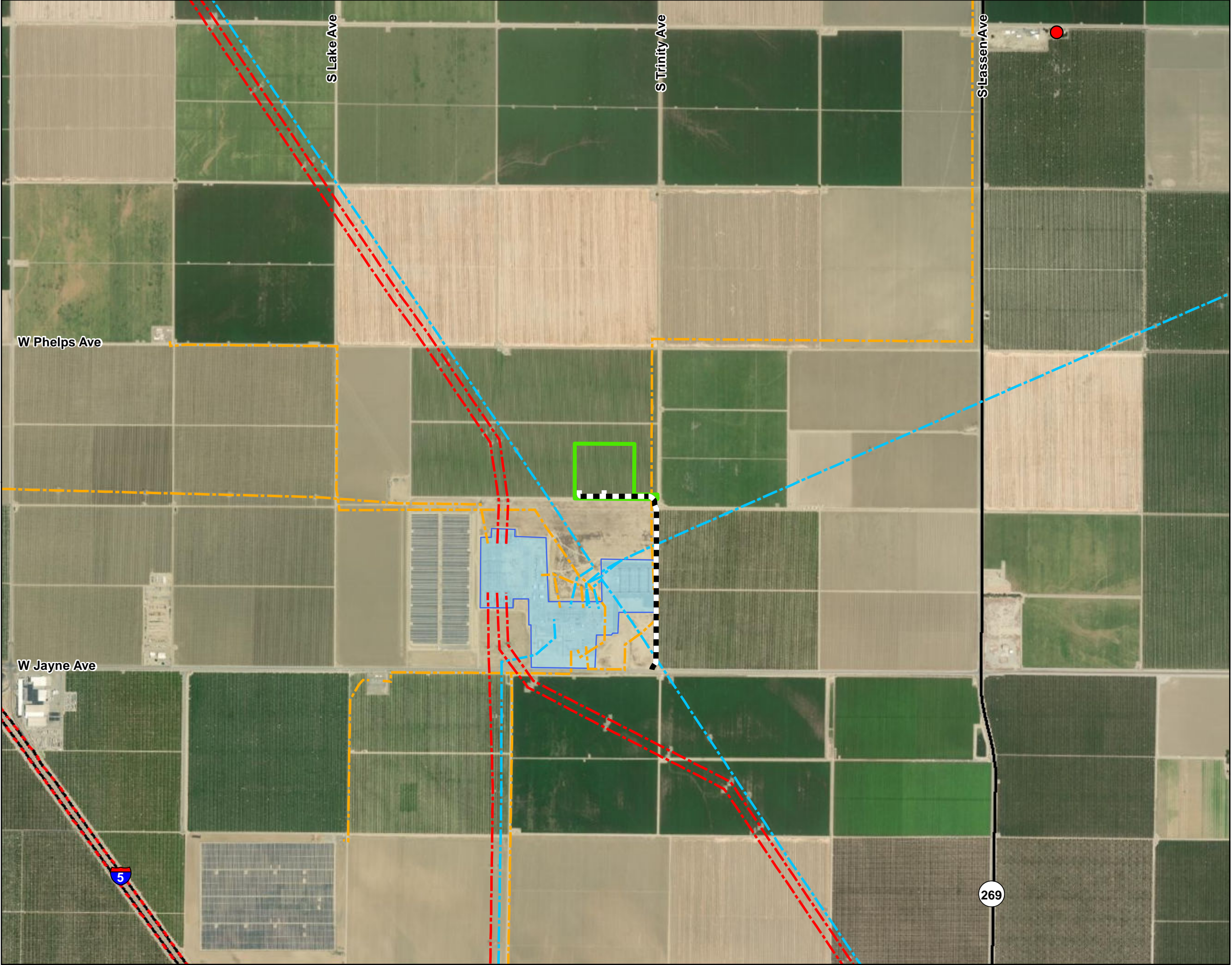
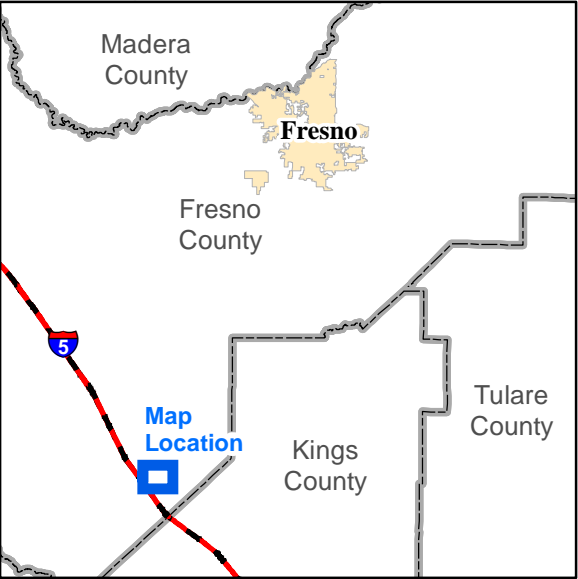
- Sensitive Receptor

General Features

- Existing 500kV Transmission Line
- Existing 230kV Transmission Line
- Existing <100kV Transmission Line
- Interstate
- State Highway
- Gates Substation
- County Boundary
- Municipality



SPCS NAD 83, CA Zone IV, US Ft.
Data Sources: CalTrans, ESRI, Fresno County, USDA.
E:\Projects\Gates\MXD\PEA\Fig 4.3-1 Construction Site and
Sensitive Receptor Locations 111820



LSPGC - Gates 500 kV
Dynamic Reactive Support Project

Figure 4.4-1 Proposed Project

Fresno County, CA

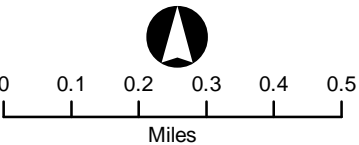
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Project Components

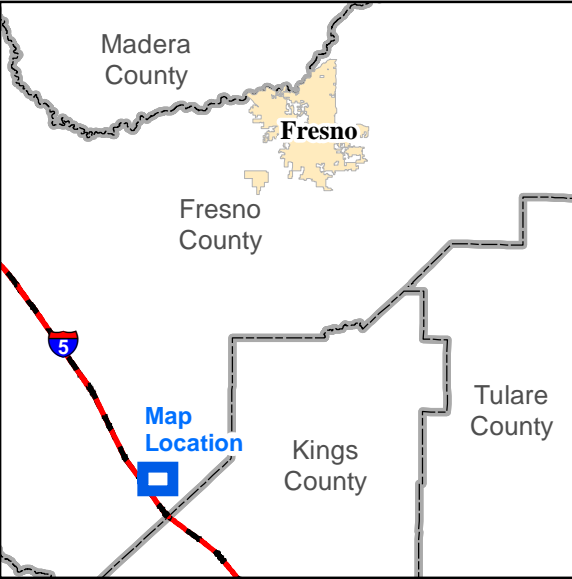
- Primary Telecommunications Line
- Secondary Telecommunications Line
- Access Road
- Site Boundary - Approx. 20 Acres
- Biological Resources Survey Area

General Features

- Existing 500kV Transmission Line
- Existing 230kV Transmission Line
- Existing <100kV Transmission Line
- Interstate
- State Highway
- Gates Substation
- County Boundary
- Municipality



SPCS NAD 83, CA Zone IV, US Ft.
Data Sources: CalTrans, ESRI, Fresno County, USDA.
E:\Projects\Gates\MXD\PEA\Fig 4.4-1 Proposed Project 110420



LSPGC - Gates 500 kV
Dynamic Reactive Support Project

Figure 4.4-2 Vegetation Communities

Fresno County, CA

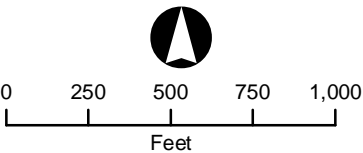
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Project Components

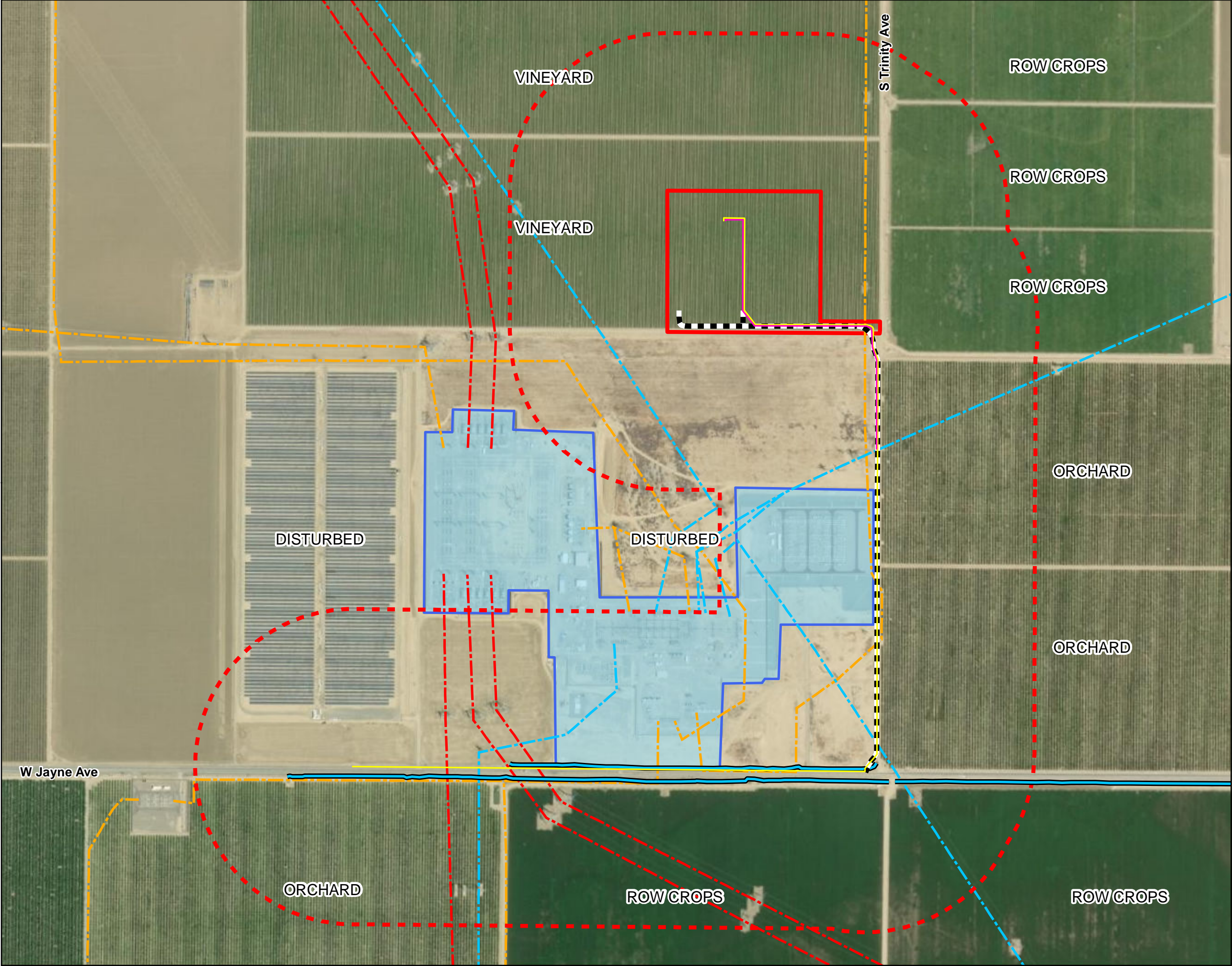
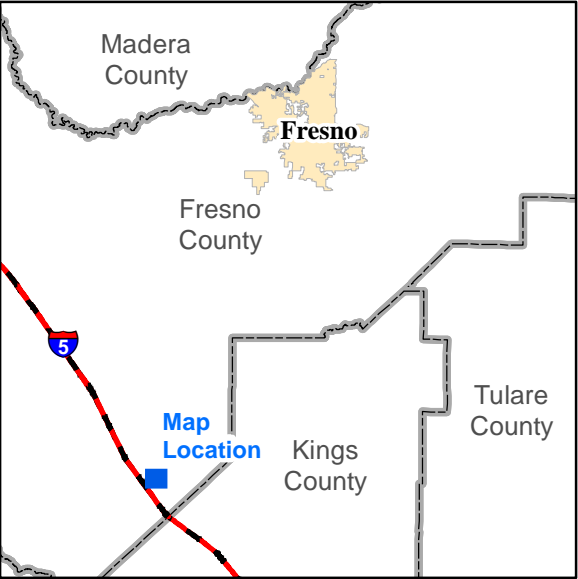
- Primary Telecommunications Line
- Secondary Telecommunications Line
- Access Road
- Site Boundary - Approx. 20 Acres
- Biological Resources Survey Area

General Features

- Existing 500kV Transmission Line
- Existing 230kV Transmission Line
- Existing <100kV Transmission Line
- Agricultural Ditch
- Interstate
- Gates Substation
- County Boundary
- Municipality



SPCS NAD 83, CA Zone IV, US Ft.
Data Sources: CalTrans, ESRI, Fresno County, USDA.
E:\Projects\Gates\MXD\PEA\Fig 4.4-2 Vegetation 110420



LSPGC - Gates 500 kV
Dynamic Reactive Support Project

Figure 4.4-3 NWI Wetlands
Fresno County, CA

LEGEND

Project Components

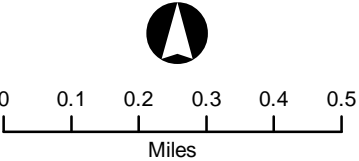
- Access Road
- Site Boundary - Approx. 20 Acres
- Trinity Ave. Easement (25 Feet)

General Features

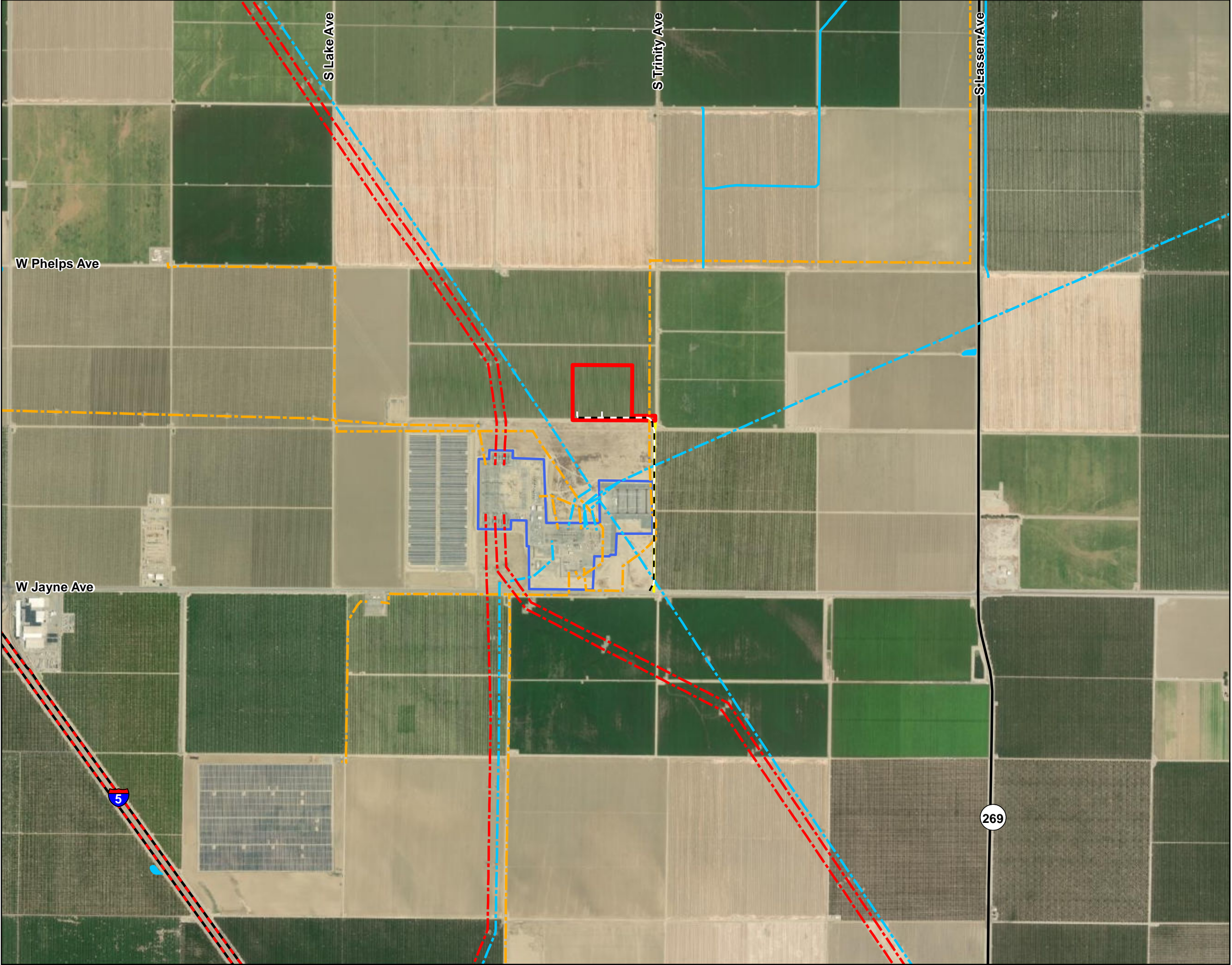
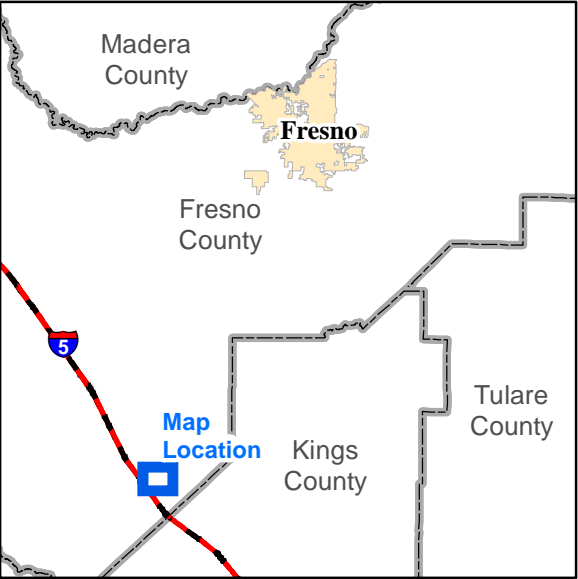
- Existing 500kV Transmission Line
- Existing 230kV Transmission Line
- Existing <100kV Transmission Line
- Interstate
- State Highway
- Gates Substation
- County Boundary
- Municipality

Hydrology

- NWI Wetlands



SPCS NAD 83, CA Zone IV, US Ft.
Data Sources: CalTrans, ESRI, Fresno County, NRCS, USDA.
E:\Projects\Gates\MXD\PEA\Fig 4.4-3 NWI Wetlands 110420



Fresno County, CA

A map of California counties. Fresno County is highlighted in yellow. Surrounding counties are labeled: Madera County to the north, Kings County to the south, and Tulare County to the east. A blue box labeled 'Map Location' is positioned over the Fresno County area. A red and black line representing a highway (Interstate 5) runs diagonally across the map, passing through the blue box. The city of Fresno is marked within the yellow area.

LSPGC - Gates 500 kV
Dynamic Reactive Support Project

Figure 4.4-5 Soil Types

Fresno County, CA

LEGEND

Project Components

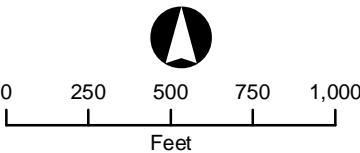
- Primary Telecommunications Line
- Secondary Telecommunications Line
- Access Road
- Site Boundary - Approx. 20 Acres
- Biological Resources Survey Area

General Features

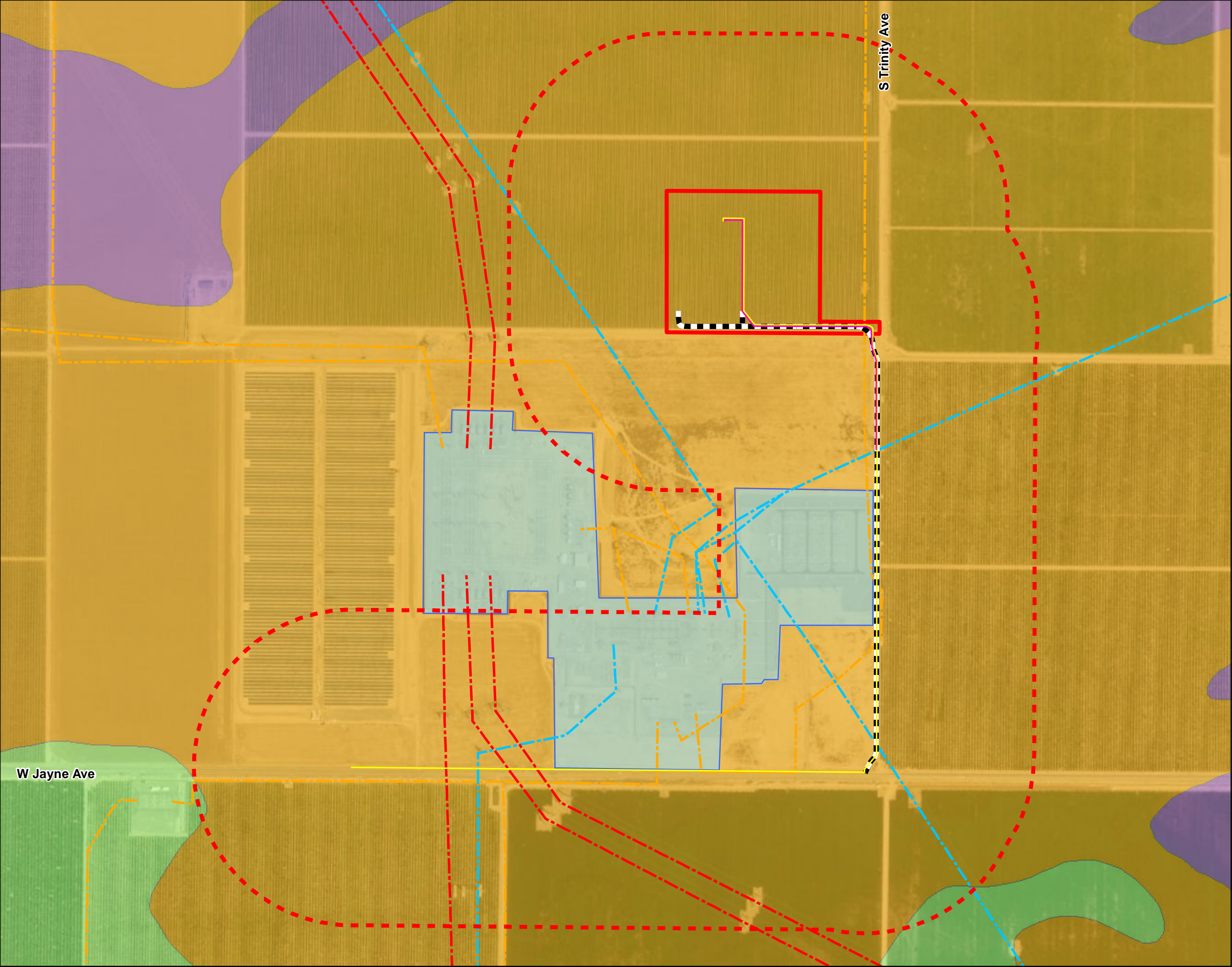
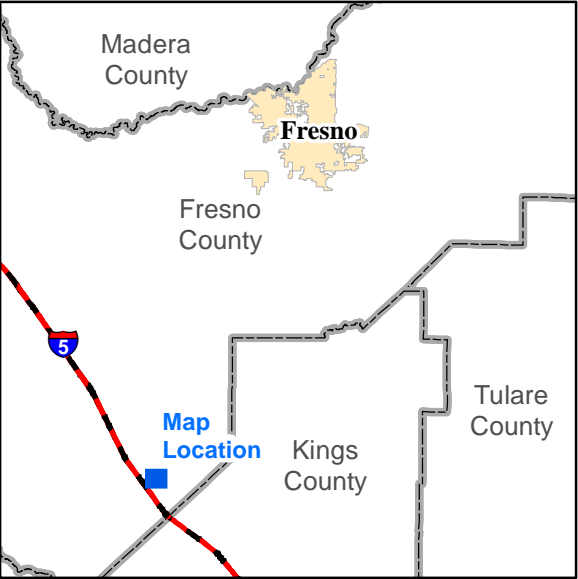
- Existing 500kV Transmission Line
- Existing 230kV Transmission Line
- Existing <100kV Transmission Line
- Interstate
- Gates Substation
- County Boundary
- Municipality

Soil Types

- Excelsior sandy loam, sandy substratum, 0-2% slopes
- Kimberlina sandy loam, 0-2% slopes
- Westhaven loam, 0-2% slopes



SPCS NAD 83, CA Zone IV, US Ft.
Data Sources: CalTrans, ESRI, Fresno County, NRCS, USDA.
E:\Projects\Gates\MXD\PEA\Fig 4.4-5 Soil Types 110420



LSPGC - Gates 500 kV
Dynamic Reactive Support Project

Figure 4.4-6 Swainson's Hawk Survey
with Raptor Nest Locations

Fresno County, CA

LEGEND

Project Components

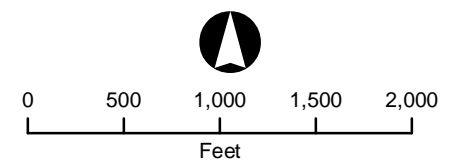
- Access Road
- Site Boundary - Approx. 20 Acres

General Features

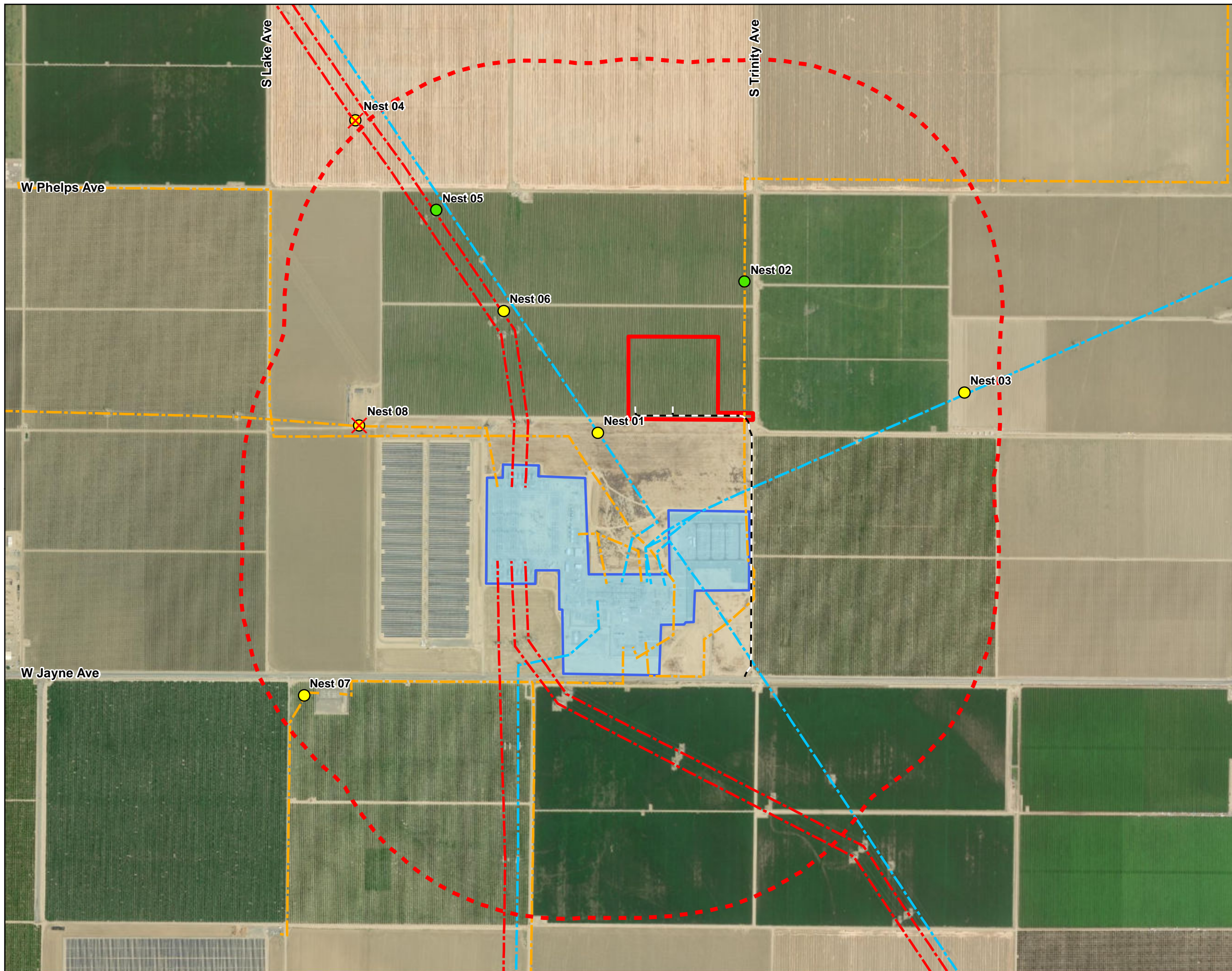
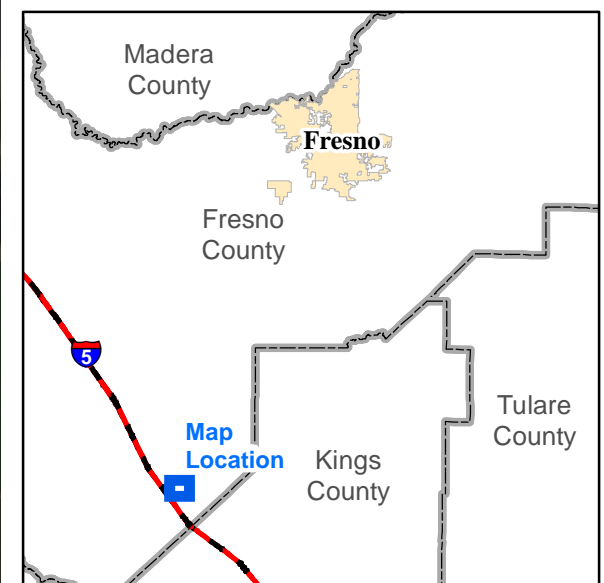
- Existing 500kV Transmission Line
- Existing 230kV Transmission Line
- Existing <100kV Transmission Line
- Interstate
- Gates Substation
- County Boundary
- Municipality

Biological Survey

- Active Common Raven Nest
- Inactive Common Raven Nest
- Active Red-tailed Hawk Nest
- Swainson's Hawk Survey Area



SPCS NAD 83, CA Zone IV, US Ft.
Data Sources: CalTrans, ESRI, Fresno County, USDA.
E:\Projects\Gates\MXD\PEA\Fig 4.4-6 Swainsons Hawk Survey
Area with Raptor Nest Locations 110520.mxd



LSPGC - Gates 500 kV
Dynamic Reactive Support Project

Figure 4.5-1 Cultural Resources
Survey Boundaries

Fresno County, CA

LEGEND

Project Components

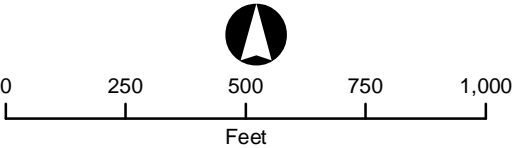
- Access Road
- Site Boundary - Approx. 20 Acres
- LSPGC Controlled Property - Approx. 75 Acres

General Features

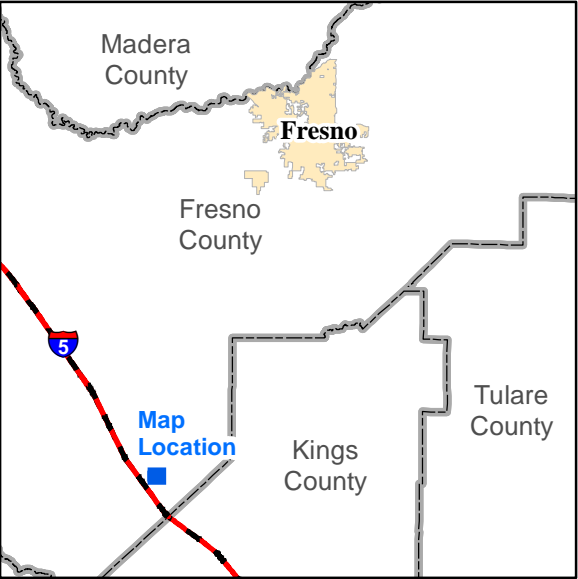
- Existing 500kV Transmission Line
- Existing 230kV Transmission Line
- Existing <100kV Transmission Line
- Interstate
- Gates Substation
- County Boundary
- Municipality

Cultural Resources

- Cultural Survey Area



SPCS NAD 83, CA Zone IV, US Ft.
Data Sources: CalTrans, ESRI, Fresno County, USDA.
E:\Projects\Gates\MXD\Cultural\Cultural Survey Area
101920.mxd 101920 sjw



LSPGC - Gates 500 kV
Dynamic Reactive Support Project

Figure 4.7-1 Known Active Faults
Within the Proposed Project
Area / Regional Area

Fresno County, CA

LEGEND

Project Components

- ★ Project Site
- 10-Mile Buffer of Site Boundary and Access Road

General Features

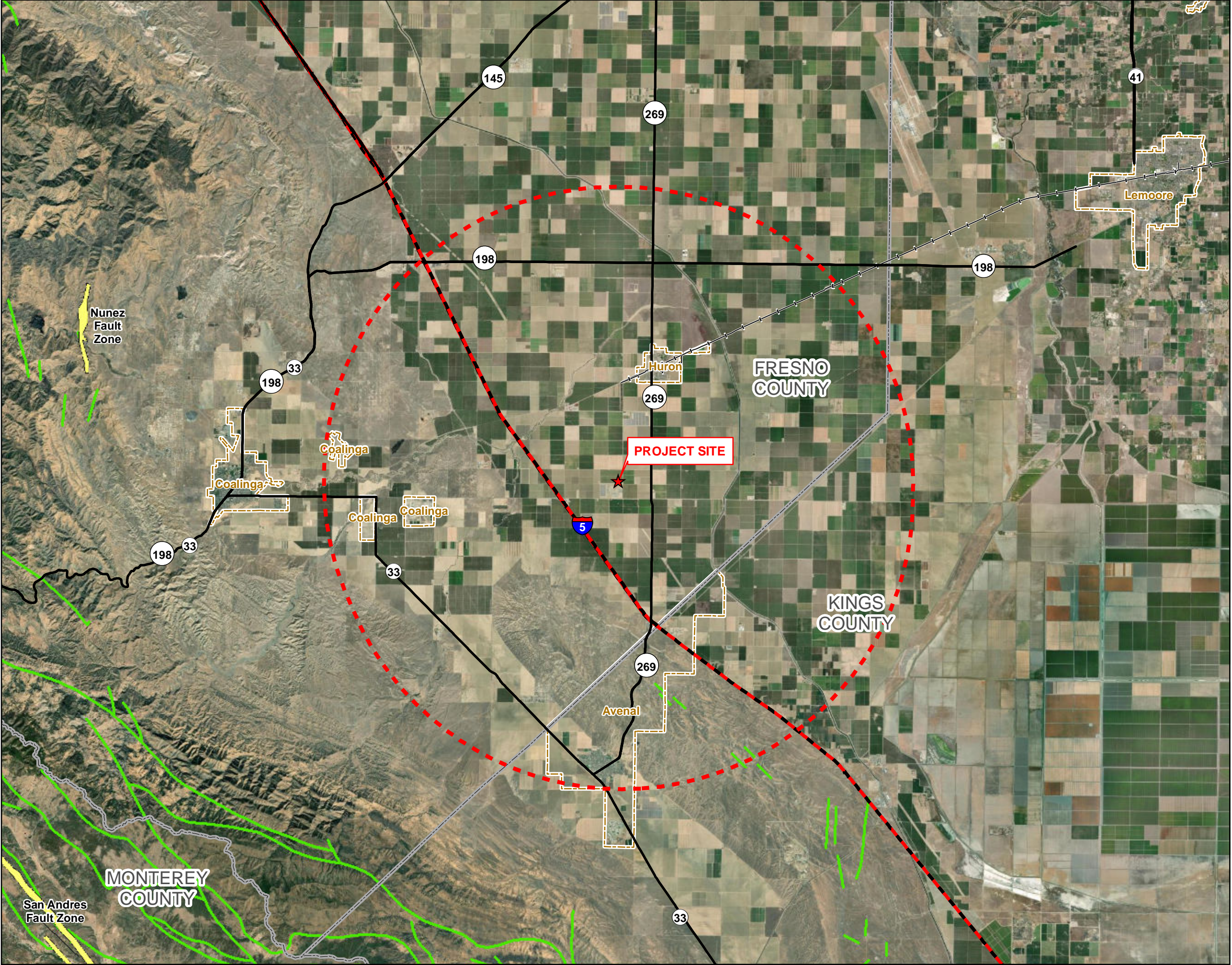
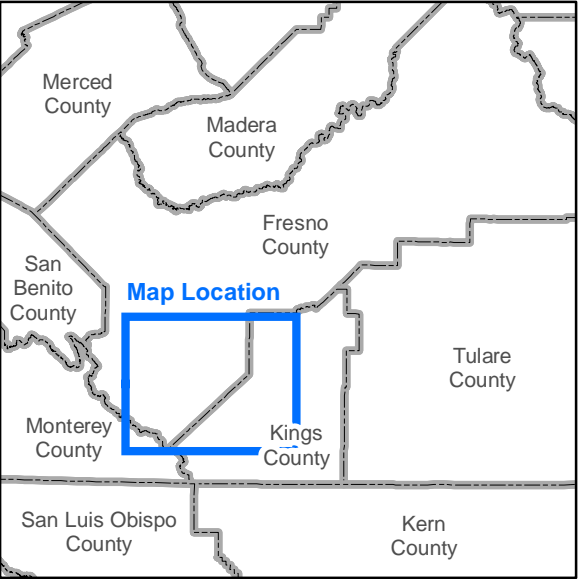
- Interstate
- Highway
- Railroad
- Municipal Boundary
- County Boundary

Known Active Faults

- Active Fault
- Fault Zones



SPCS NAD 83, CA Zone IV, US Ft.
Data Sources: CalTrans, ESRI, Fresno County, USDA, USGS.
E:\...Gates\MXDs\PEA\Fig 4.7-1 Known Active Faults 101920



LSPGC - Gates 500 kV
Dynamic Reactive Support Project

Figure 4.7-2 Geologic Units
at Proposed Project Area

Fresno County, CA

LEGEND

Project Components

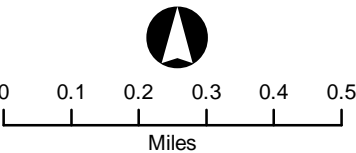
- - - Access Road
- [Red Outline] Site Boundary - Approx. 20 Acres
- [Red Dashed Outline] 1-Mile Buffer of Site Boundary and Access Road

General Features

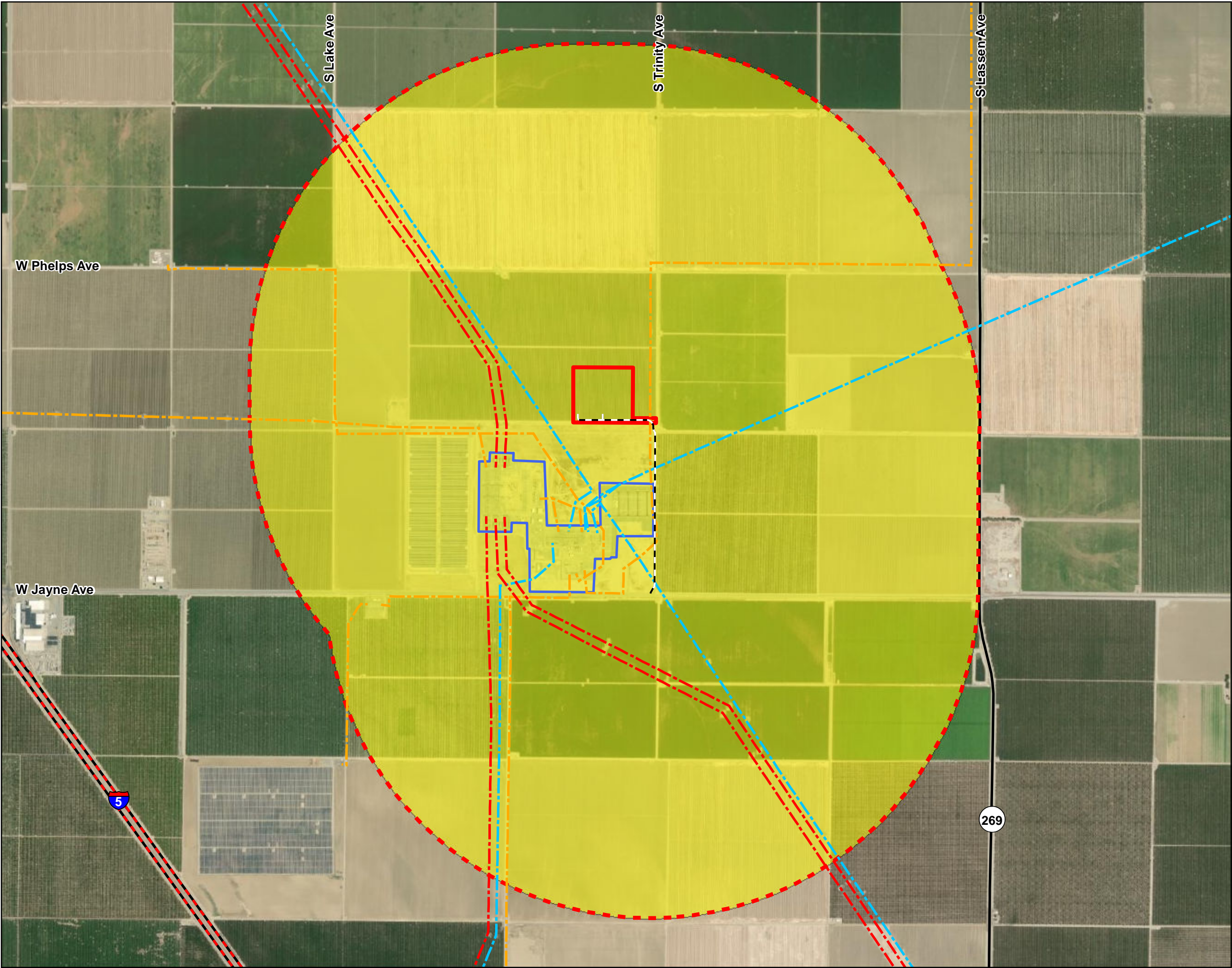
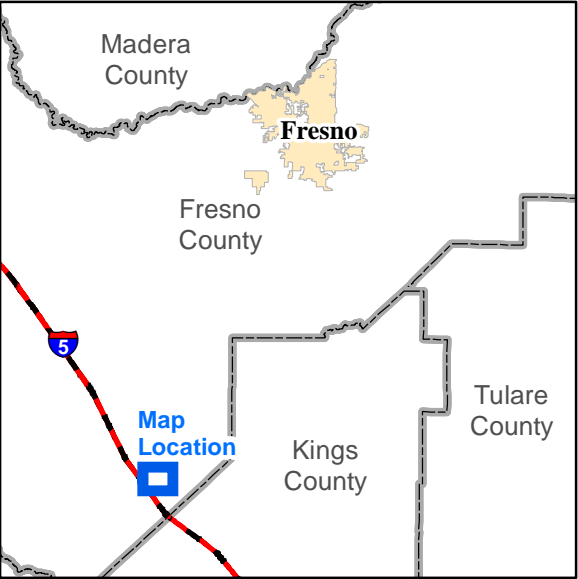
- [Red Dashed Line] Existing 500kV Transmission Line
- [Blue Dashed Line] Existing 230kV Transmission Line
- [Orange Dashed Line] Existing <100kV Transmission Line
- [Thick Black Line] Interstate
- [Thin Black Line] State Highway
- [Blue Outline] Gates Substation
- [Grey Outline] County Boundary
- [Light Orange Fill] Municipality

Geologic Units

- [Yellow Fill] Alluvial Terrace



SPCS NAD 83, CA Zone IV, US Ft.
Data Sources: CalTrans, ESRI, Fresno County, USDA, USGS.
E:\Projects\Gates\MXD\PEA\Fig 4.7-2 Geologic Units 101920



LSPGC - Gates 500 kV
Dynamic Reactive Support Project

Figure 4.7-3 Soil Types
in the Proposed Project Area

Fresno County, CA

LEGEND

Project Components

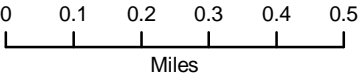
- Project Tie Line
- Access Road
- Site Boundary - Approx. 20 Acres
- 1-Mile Buffer of Site Boundary and Access Road

General Features

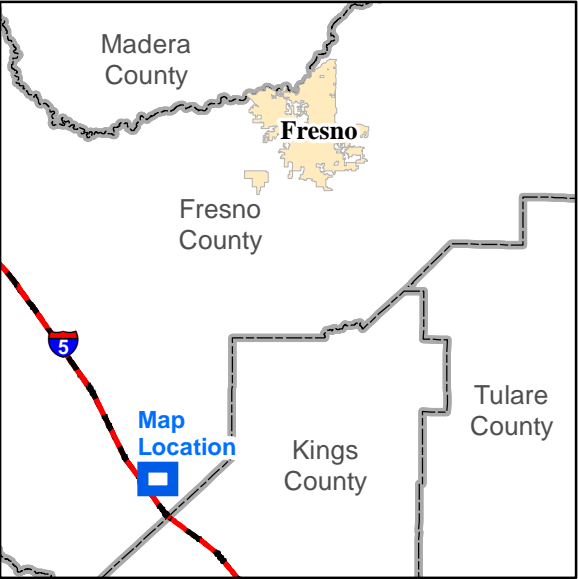
- Existing 500kV Transmission Line
- Existing 230kV Transmission Line
- Existing <100kV Transmission Line
- Interstate
- State Highway
- Gates Substation
- County Boundary
- Municipality

Soil Types

- Excelsior sandy loam, sandy substratum, 0-2% slopes
- Kimberlina sandy loam, 0-2% slopes
- Wasco sandy loam, 0-2% slopes
- Westhaven loam, 0-2% slopes



SPCS NAD 83, CA Zone IV, US Ft.
Data Sources: CalTrans, ESRI, Fresno County, NRCS, USDA.
E:\Projects\Gates\MXD\PEA\Fig 4.7-3 Soil Types 101920.mxd





**LSPGC - Gates 500 kV
Dynamic Reactive Support Project**

Figure 4.11-1 Land Use and Zoning









Fresno County, CA

LEGEND




Project Components

- - - Access Road
-  Site Boundary - Approx. 20 Acres
-  1-Mile Buffer of Site Boundary and Access Road



General Features

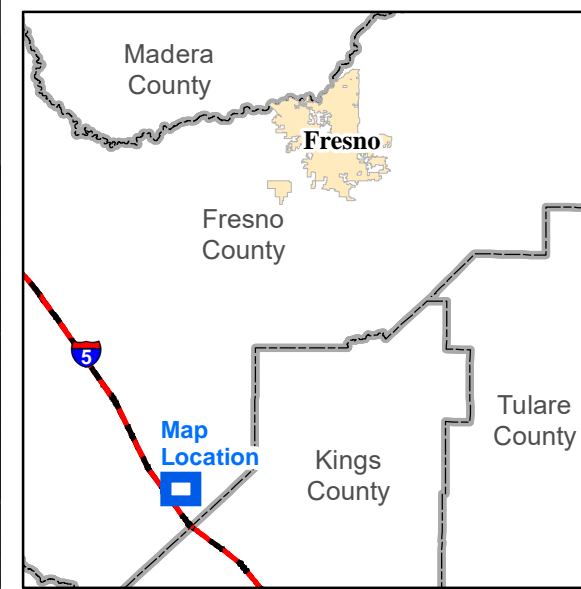
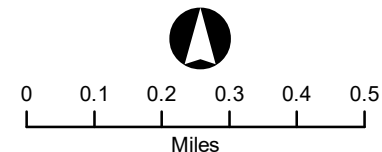
-  Existing 500kV Transmission Line
-  Existing 230kV Transmission Line
-  Existing <100kV Transmission Line
-  Interstate
-  State Highway
-  Gates Substation
-  County Boundary
-  Municipality

Land Use

-  Agriculture
-  Industrial
-  Transportation

Zoning

-  AE20 – Exclusive Agriculture – 20 Acre Minimum
-  AE40 – Exclusive Agriculture – 40 Acre Minimum



LSPGC - Gates 500 kV
Dynamic Reactive Support Project

Figure 4.13-1 Noise Sources
and Receiver Locations

Fresno County, CA

LEGEND

Project Components

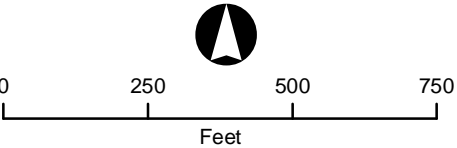
- Access Road
- Site Boundary - Approx. 20 Acres

Noise Sources and Receiver Locations

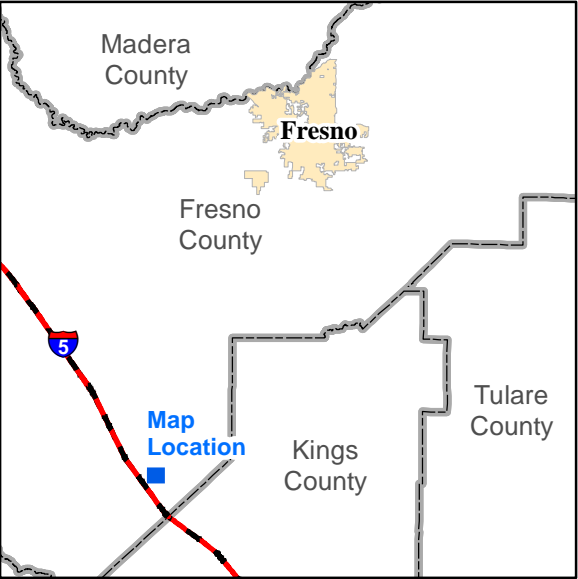
- Receiver Location
- HVAC Location
- Transformer
- Reactor
- Converter & Control Enclosure

General Features

- Existing 500kV Transmission Line
- Existing 230kV Transmission Line
- Existing <100kV Transmission Line
- Interstate
- Gates Substation
- County Boundary
- Municipality
- Parcel Boundary



SPCS NAD 83, CA Zone IV, US Ft.
Data Sources: CalTrans, ESRI, Fresno County, USDA.
F:\Gates\MXD\PEA\Noise Sources and Receiver Locations
102320.mxd 102720 sjw



LSPGC - Gates 500 kV
Dynamic Reactive Support Project

Figure 4.13-2 Operational Noise
Level Contours

Fresno County, CA

LEGEND

Project Components

- Access Road
- Site Boundary - Approx. 20 Acres

Noise Sources and Receiver Locations

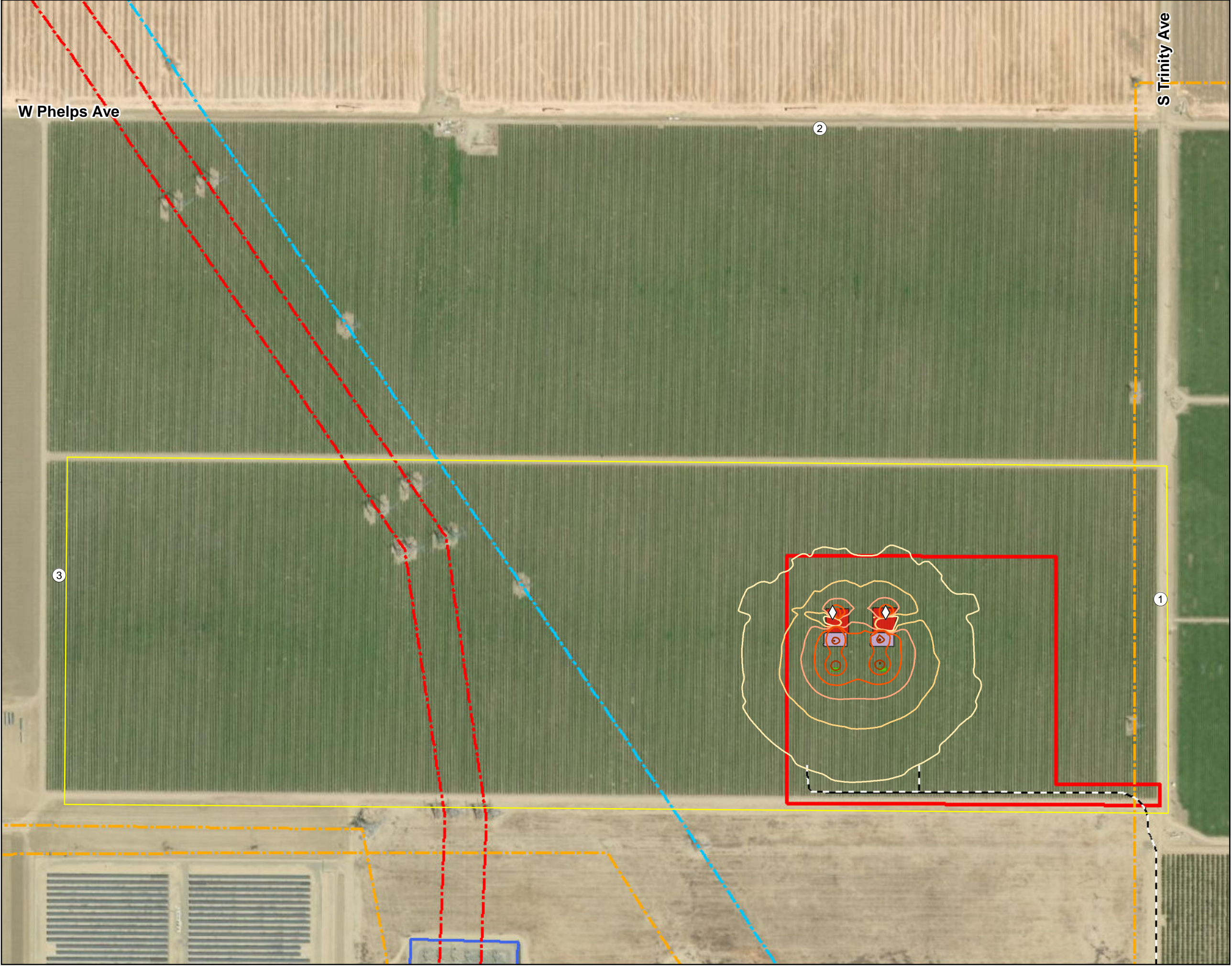
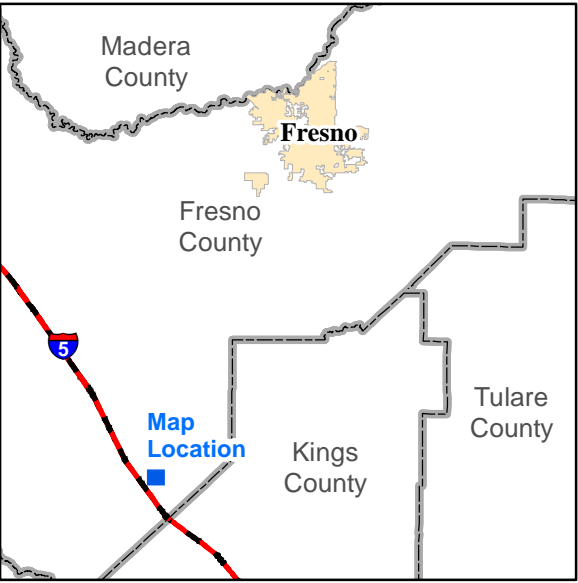
- Receiver Location
- HVAC Location
- Transformer
- Reactor
- Converter & Control Enclosure

Operational Noise Level Contours (dBA L_{eq})

- | | | |
|----|----|----|
| 40 | 45 | 50 |
| 55 | 60 | 65 |
| 70 | | |

General Features

- Existing 500kV Transmission Line
- Existing 230kV Transmission Line
- Existing <100kV Transmission Line
- Interstate
- Gates Substation
- County Boundary
- Municipality
- Parcel Boundary



LSPGC - Gates 500 kV
Dynamic Reactive Support Project

Figure 4.15-1 Public Service Facilities

Fresno County, CA

LEGEND

Project Components

★ Project Site

General Features

Interstate

Highway

Railroad

Municipal Boundary

County Boundary

Public Service Facilities

Fire Station

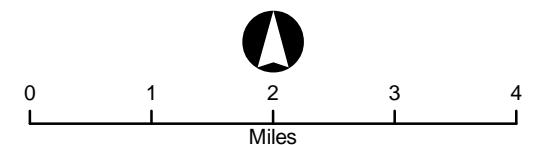
Police Station

Hospital

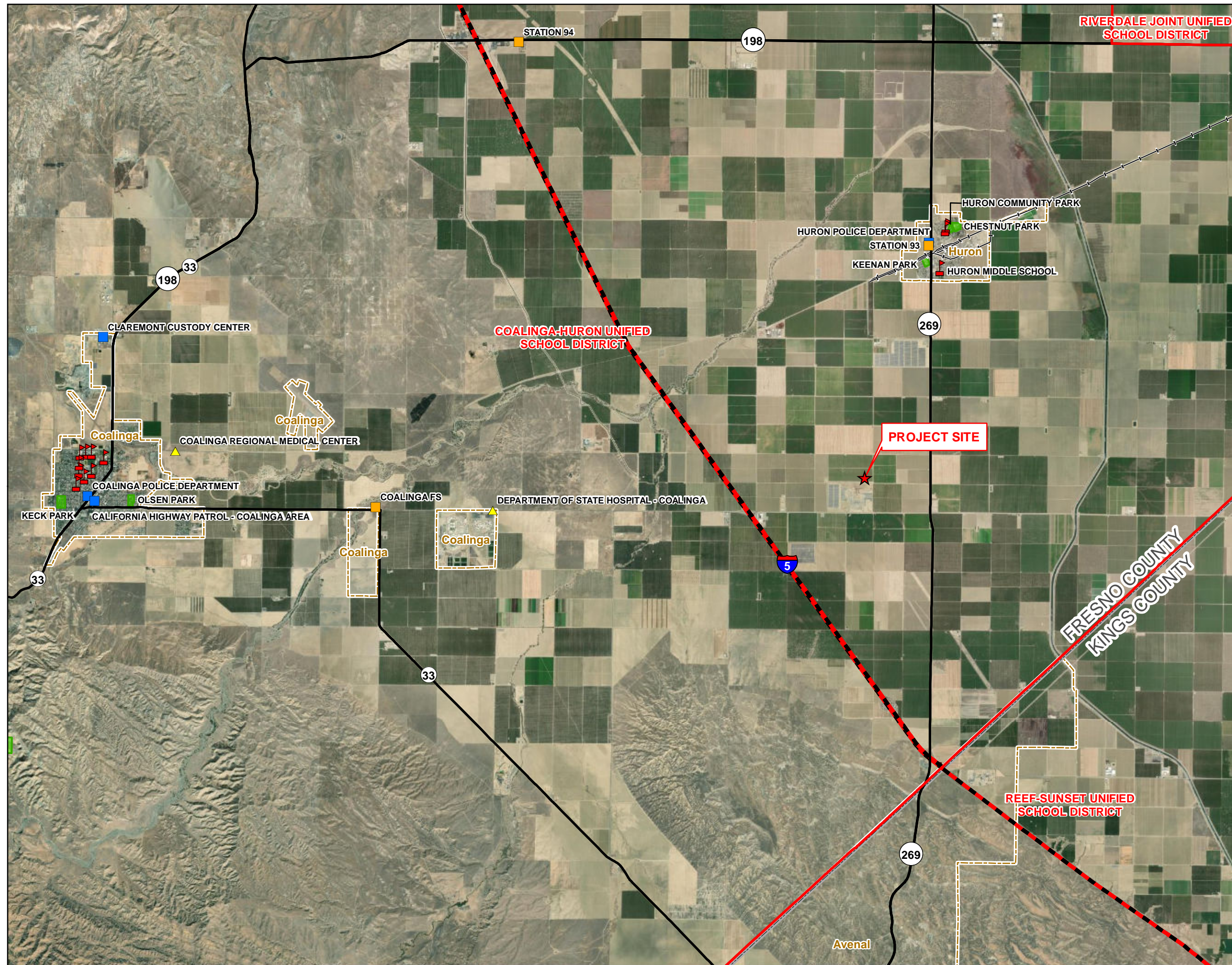
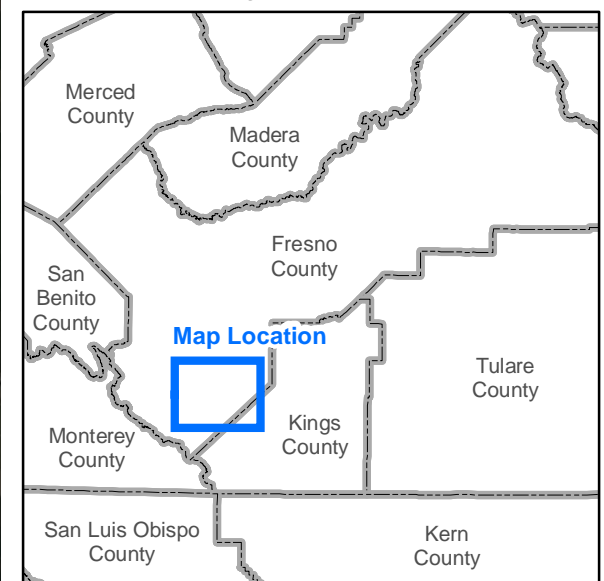
School

School District Boundary

Park or Open Space



SPCS NAD 83, CA Zone IV, US Ft.
Data Sources: CA.gov, CalFire, CalTrans, ESRI, Fresno Co.,
USDA.
E:\...\Gates\MXD\PEA\Fig 4.15-1 Public Service Facilities 101920



LSPGC - Gates 500 kV
Dynamic Reactive Support Project

Figure 4.17-1
Regional Transportation-Related
Infrastructure

Fresno County, CA

LEGEND

Project Components

★ Project Site

General Features

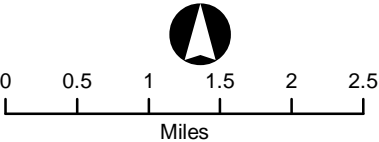
— Interstate

— State Highway

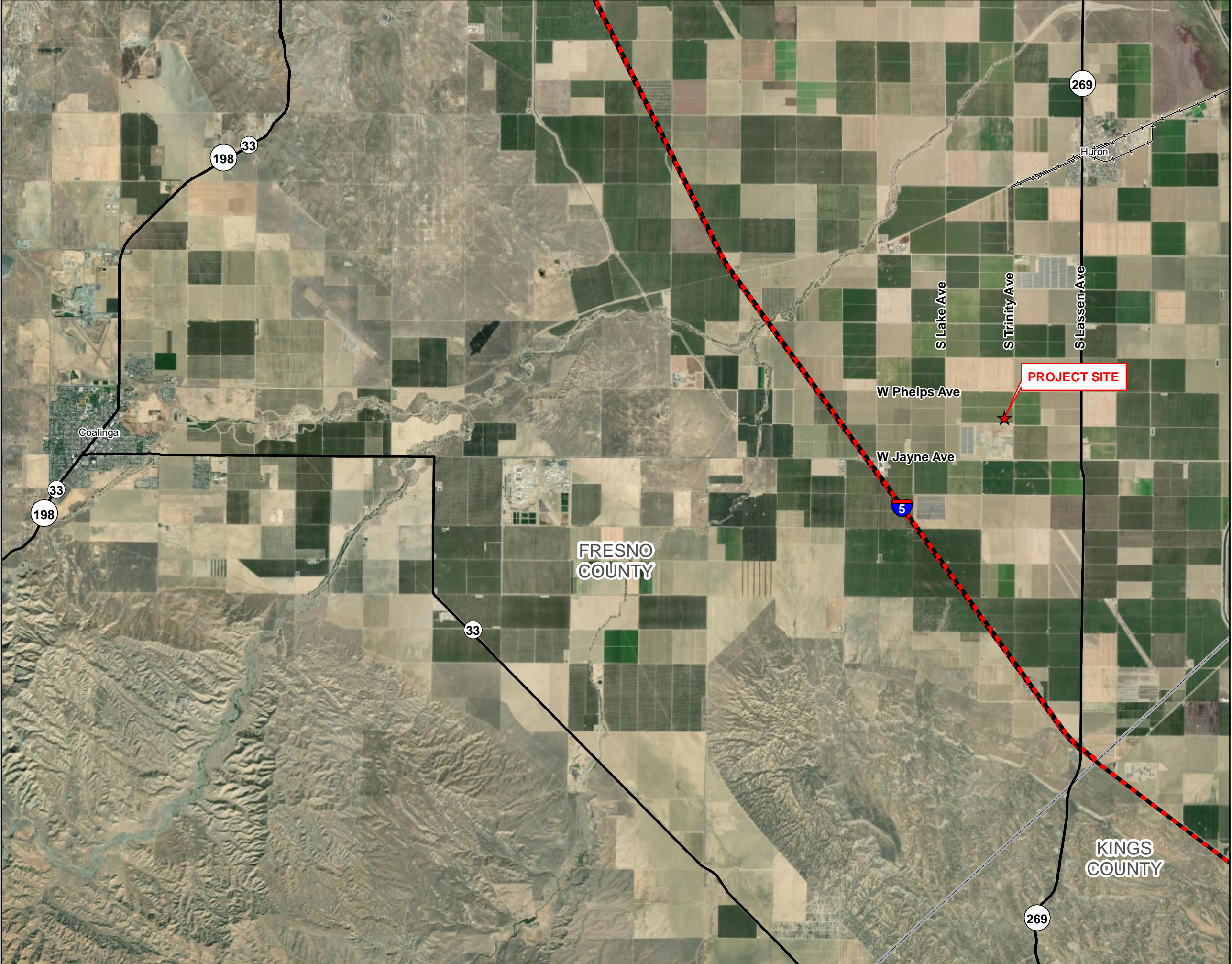
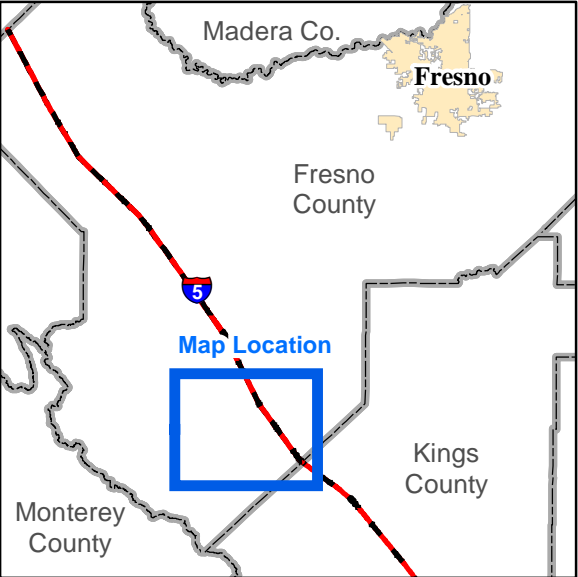
— Railroad

County Boundary

Municipality



SPCS NAD 83, CA Zone IV, US Ft.
Data Sources: CalTrans, ESRI, Fresno County, USDA.
E:\Projects\Gates\MXD\PEA\Figure 4.17-1 Regional
Trans-Related Infrastructure 101920.mxd



LSPGC - Gates 500 kV
Dynamic Reactive Support Project

Figure 4.17-2
Local Transportation-Related
Infrastructure

Fresno County, CA

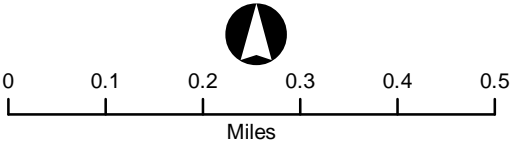
LEGEND

Project Components

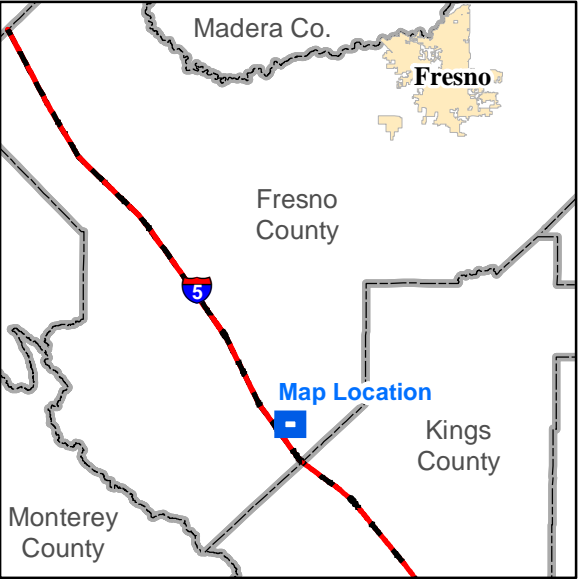
- East-West Access Road
- North-South Access Road
- Site Boundary - Approx. 20 Acres

General Features

- Existing 500kV Transmission Line
- Existing 230kV Transmission Line
- Existing <100kV Transmission Line
- Interstate
- State Highway
- Gates Substation
- County Boundary
- Municipality

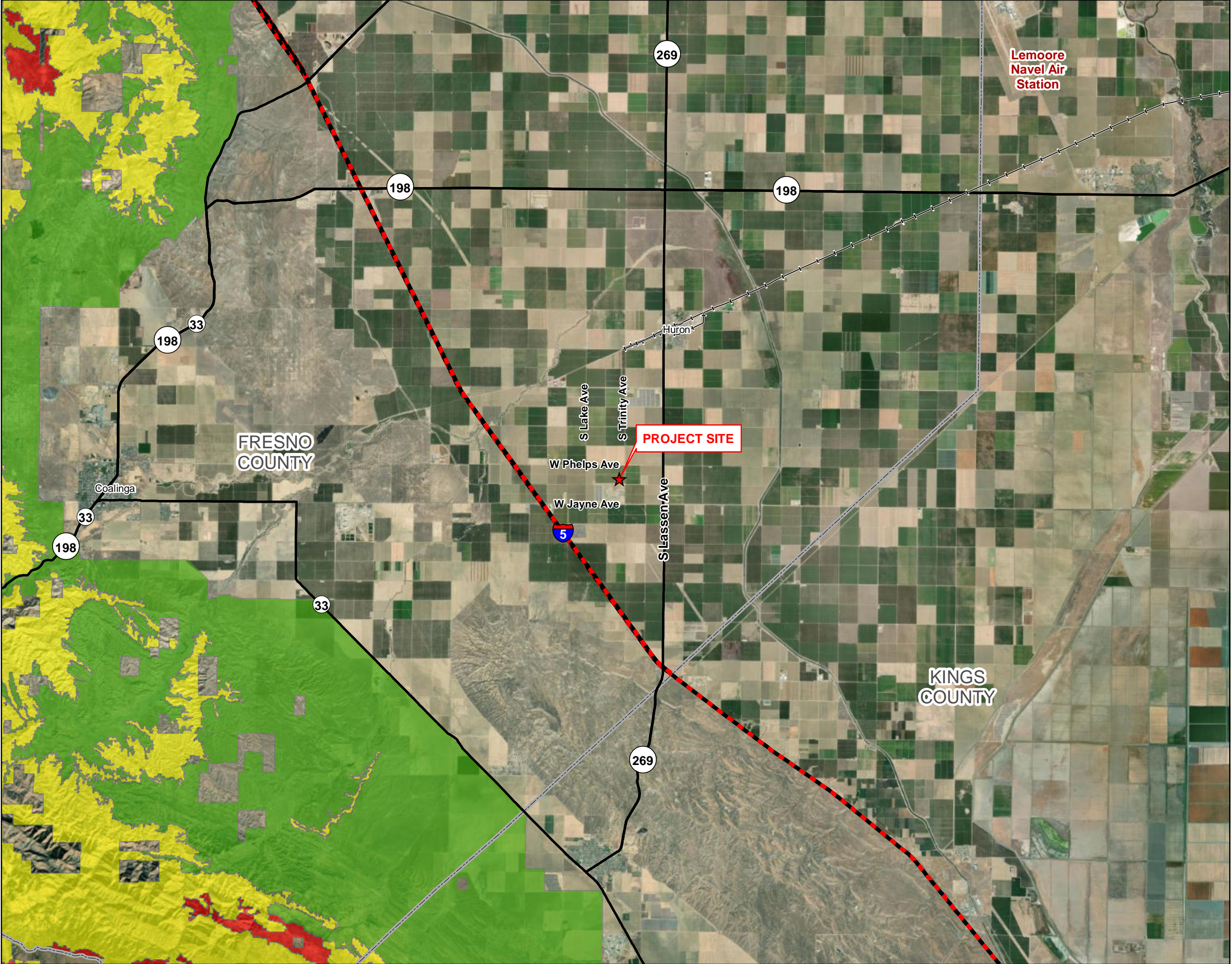


SPCS NAD 83, CA Zone IV, US Ft.
Data Sources: CalTrans, ESRI, Fresno County, USDA.
E:\Projects\Gates\MXD\PEA\Figure 4.17-2 Local Trans-Related
Infrastructure 101920.mxd



LSPGC - Gates 500 kV
Dynamic Reactive Support Project

Figure 4.20-1
Fire Hazard Severity Zones
Fresno County, CA



LEGEND

Project Components

- ★ Project Site

Fire Hazard Severity Zones (SRA)

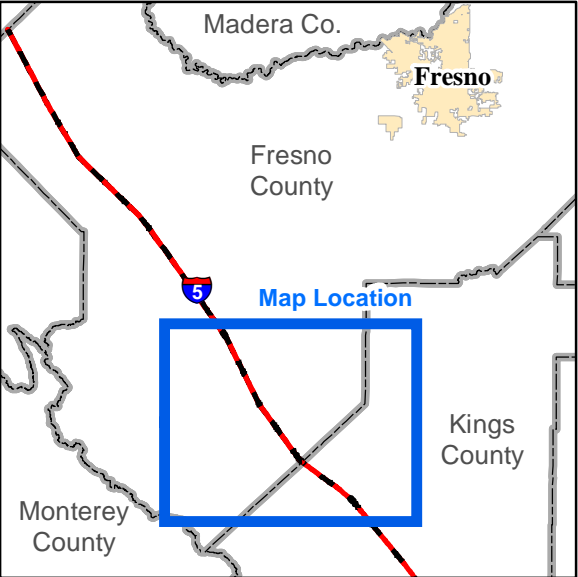
- Moderate
- High
- Very High

General Features

- Interstate
- State Highway
- Railroad
- County Boundary
- Municipality



SPCS NAD 83, CA Zone IV, US Ft.
Data Sources: CalFire, CalTrans, ESRI, Fresno County, USDA.
E:\Projects\Gates\MXD\PEA\Figure 4.20-1 Fire Hazard Severity Zones 101920.mxd



LSPGC - Gates 500 kV
Dynamic Reactive Support Project

Figure 4.20-2
CPUC Fire Threat Districts

Fresno County, CA

LEGEND

Project Components

★ Project Site

CPUC Fire Threat District

Tier 2

General Features

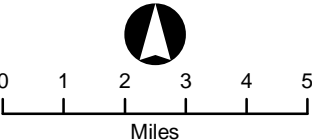
Interstate

State Highway

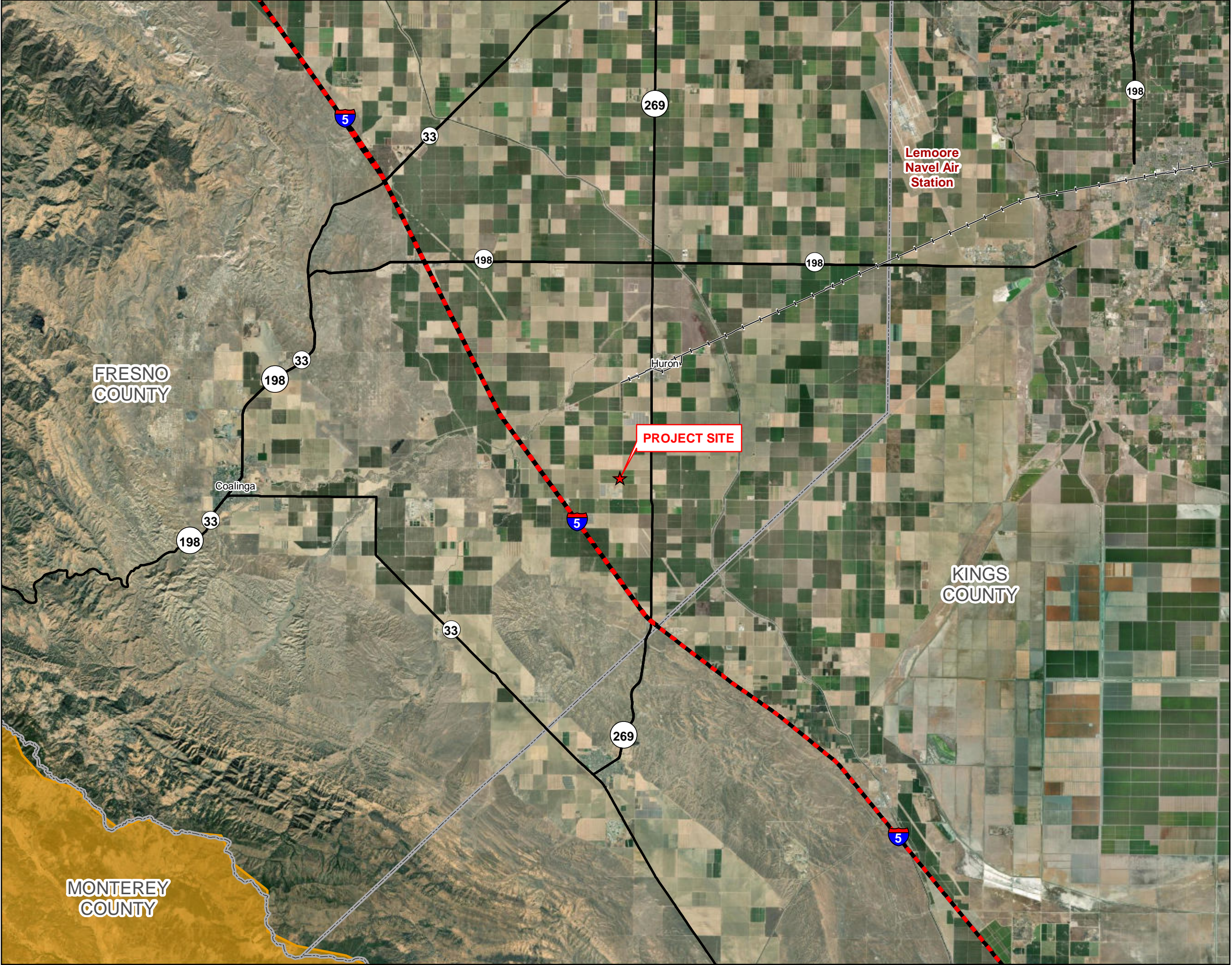
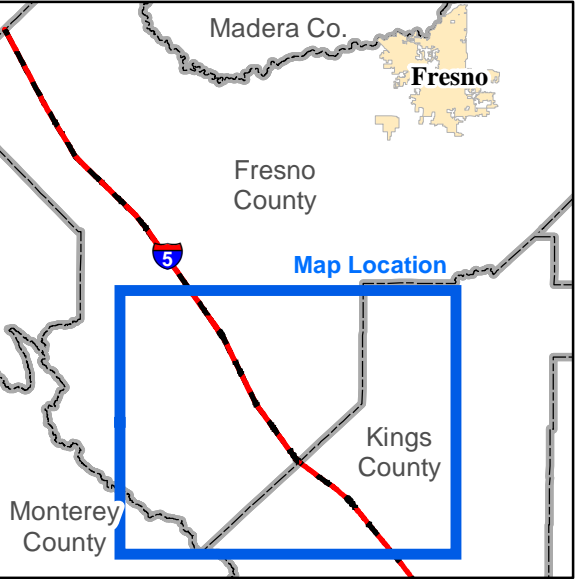
Railroad

County Boundary

Municipality



SPCS NAD 83, CA Zone IV, US Ft.
Data Sources: CPUC, CalTrans, ESRI, Fresno County, USDA.
E:\Projects\Gates\MXD\PEA\Figure 4.20-2 CPUC Fire Threat Districts 101920.mxd



LSPGC - Gates 500 kV
Dynamic Reactive Support Project

Figure 5-1 Cumulative Projects

Fresno County, CA

LEGEND

Project Components

- Project Take-Off Structure
- 500kV Transmission Line
- Access Road
- Site Boundary - Approx. 20 Acres

Cumulative Projects

- Dead-End Structure
- New 500kV Transmission Line
- Interconnection Customer (Generator)
- Relocated New Security Wall - 500kV Dynamic Voltage Support
- Relocated New Security Wall - 230kV Bus E Conversion Project
- Future Gates Components
- Fifth Standard Solar Project Complex

General Features

- Existing 500kV Transmission Line
- Existing 230kV Transmission Line
- Existing <100kV Transmission Line
- Interstate
- State Highway
- Gates Substation
- County Boundary
- Municipality

