

## PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE  
SAN FRANCISCO, CA 94102-3298



March 18, 2016

Ian Forrest, Senior Attorney  
Southern California Edison Company  
Post Office Box 800  
Rosemead, CA 91770  
Email: [ian.forrest@sce.com](mailto:ian.forrest@sce.com)

**RE: Deficiency Report #4 - Certificate of Public Convenience and Necessity for the  
Riverside Transmission Reliability Project – Application No. A.15-04-013**

Dear Mr. Forrest,

The California Public Utilities Commission's (CPUC) Energy Division CEQA Unit has completed its review of Southern California Edison's (SCE's) Application (A. 15-04-013) for a Certificate of Public Convenience and Necessity (CPCN) for the Riverside Transmission Reliability Project (RTRP) and responses to CPUC's Deficiency Reports #1, #2, and #3. The Energy Division found deficiencies in the information contained in SCE's responses to Deficiency Report #2 regarding preliminary engineering plans for the project. The attached report identifies outstanding deficiencies in SCE's response to Deficiency Report #2, Item #1. Included with this Deficiency Report are the following attachments for SCE's reference:

1. Attachment A – Mapbook set illustrating conflicts with proposed work areas.
2. Attachment B – Mapbook set illustrating the geographic extent of previous cultural resource surveys conducted between 2006 and 2011.

Information provided by SCE in response to the Energy Division's finding of deficiency should be filed as supplements to Application A. 15-04-013. One set of responses should be sent to the Energy Division and one to our consultant Panorama Environmental, in both hardcopy and electronic format. We request that SCE respond to this report no later than April 15, 2016.

We will review the information within 30 days and determine if it is adequate to accept the application as complete. We will be available to meet with you at your convenience to discuss these items.

The Energy Division reserves the right to request additional information at any point in the application proceeding and during subsequent construction of the project should SCE's CPCN be approved.

Please direct questions related to this application to me at (415) 703-5484 or [Jensen.Uchida@cpuc.ca.gov](mailto:Jensen.Uchida@cpuc.ca.gov).

Mr. Ian Forrest, Southern California Edison  
March 18, 2016  
Page 2

Sincerely,



Jensen Uchida  
Project Manager  
Energy Division, CEQA Unit

cc: Mary Jo Borak, Supervisor  
Jack Mulligan, CPUC Attorney  
Tom Diaz, SCE Regulatory Affairs  
Christine Schneider, Panorama Environmental, Inc.  
Jeff Thomas, Panorama Environmental, Inc.



# DEFICIENCY REPORT #4 FOR THE RIVERSIDE TRANSMISSION RELIABILITY PROJECT APPLICATION (A. 15-04-013)

## REPORT OVERVIEW

The California Public Utilities Commission (CPUC) has identified deficiencies in Southern California Edison's (SCE's) Application (A.15-04-013) for a Certificate of Public Convenience and Necessity for the Riverside Transmission Reliability Project (RTRP). Deficiencies were identified according to requirements of the CEQA (Public Resources Code Section 21000 *et seq.*), General Order 131-D, and the Commission's Rules of Practice and Procedure for a CPCN. Deficiencies are presented in Table 1.

Table 1: SCE Riverside Transmission Reliability Project Application 15-04-013 Deficiency Report #4	
Number	Deficiency
1	<p><b>Provide GIS data and detailed route maps showing the locations of the following:</b></p> <ul style="list-style-type: none"> <li>• Conductor stringing pull and tension areas</li> <li>• Guard structures</li> <li>• 230-kV conductor field snub areas</li> </ul> <p>The GIS data and route maps provided in response to Deficiency Report #2 did not include locations of pull and tension areas, guard structures or field snub areas. This information is required to analyze environmental impacts of the proposed project.</p>
2	<p><b>Provide GIS data and detailed route maps showing the full extent of temporary and permanent access roads including:</b></p> <ul style="list-style-type: none"> <li>• Temporary downline, access and spur roads (access routing to each structure locations from city streets or adjacent developed sites needs to be completely shown)</li> <li>• Permanent access roads</li> </ul> <p>The GIS data provided in response to Deficiency Report #2 shows short segments of access roads. These access roads do not connect to paved roadways. The CPUC considers use of existing unpaved access roads in its calculations and assessment of temporary disturbance. SCE needs to define the full extent of existing unpaved access roads that could be used during construction.</p>
3	<p><b>Refine the buffer area boundaries to more accurately reflect on-the-ground siting limitations, and also depict the locations of all proposed temporary and permanent work spaces within buffer areas including:</b></p> <ul style="list-style-type: none"> <li>• Pole work areas (e.g., crane pads)</li> <li>• Lattice steel tower work areas</li> </ul> <p>The preliminary engineering plans/route maps provided on February 9, 2016, in response to Item #1 of Deficiency Report #2 depicted buffer areas of varying size around each proposed structure. The CPUC understands that SCE intends to site temporary and</p>

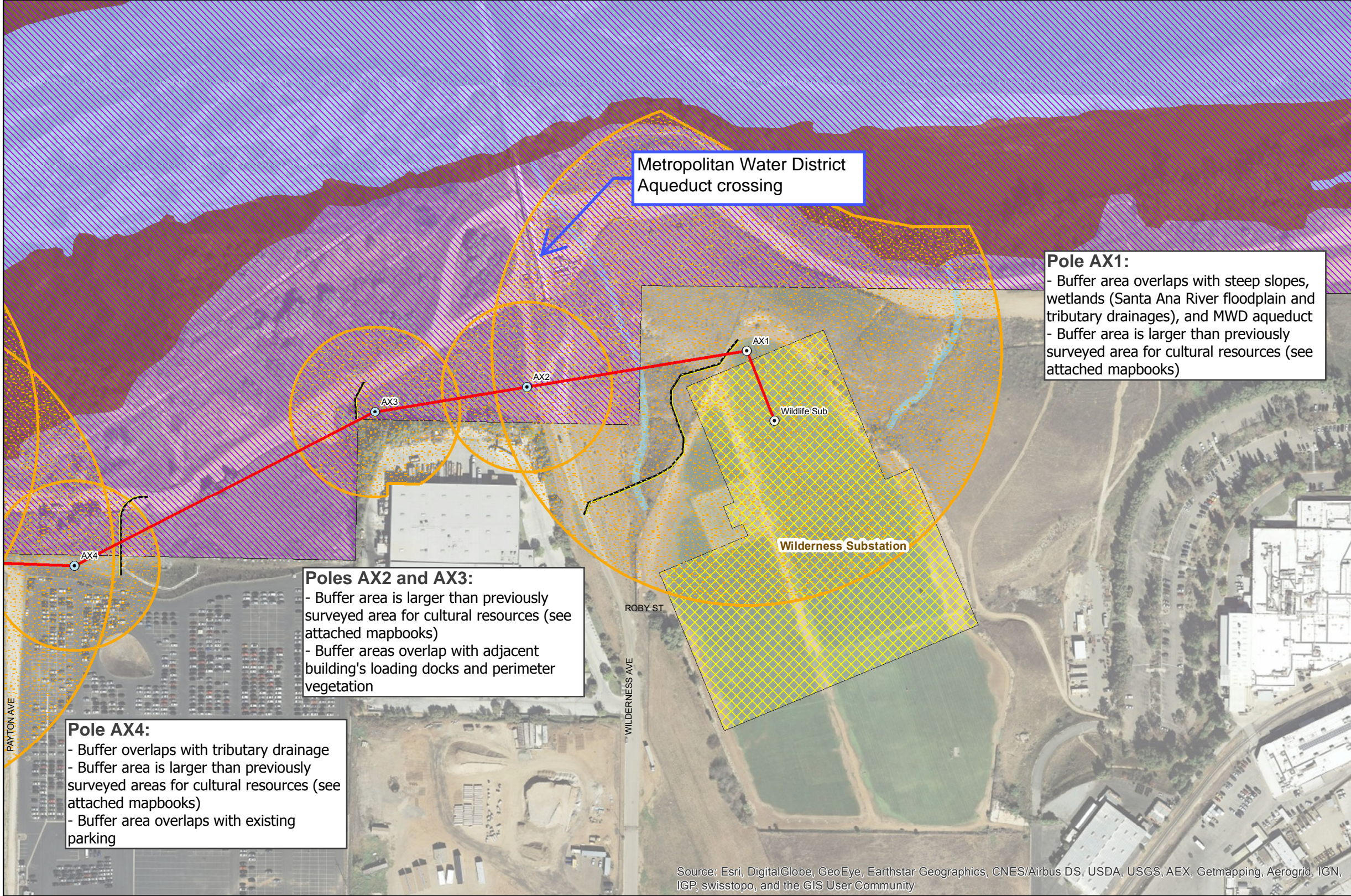
**Table 1: SCE Riverside Transmission Reliability Project Application 15-04-013  
Deficiency Report #4**

Number	Deficiency
	<p>permanent work spaces within the buffer areas and that buffer areas have been depicted to provide siting flexibility as later stages of engineering design are completed. The intention of this approach is reasonable; however, the CPUC believes that the degree of flexibility resulting from the proposed buffer areas (particularly those of a 1,200-foot diameter size or over 1 million square feet) is excessive and will result in an overstatement of project impacts and new impacts not analyzed in the 2013 RTRP Final EIR. For example, in the 2013 Final EIR, it was described that impacts to wetlands and riparian areas would be avoided by the proposed project. The current buffer areas include wetland and riparian areas and there would be significant impacts to these resources if the CPUC assumes work could be conducted anywhere within the buffer area.</p> <p>The CPUC has prepared a mapbook (Attachment A) showing locations where the proposed buffer areas overlap with the following facilities and resources:</p> <ul style="list-style-type: none"> <li>• Steep slopes</li> <li>• Wetlands including the Santa Ana River floodplain and/or tributary drainages</li> <li>• Metropolitan Water District's aqueduct infrastructure</li> <li>• City streets, parking lots, loading/receiving docks, and perimeter landscaping of adjacent buildings</li> <li>• Riverside Water Quality Control Plant facilities</li> <li>• Caltrans right of way along Highway 15</li> <li>• Hidden Valley Wilderness Area (federal land and water conservation fund area)</li> </ul> <p>These resources should be avoided and carved out of the work area buffers, where feasible.</p> <p>The revised preliminary engineering plans and detailed route maps should also depict any planned alignment revisions or refinements following SCE's CPCN application such as the relocation of Pole JD22 (identified at the November 2015 site visit).</p> <p>Please include GIS data files for all detailed route map refinements.</p>
4	<p><b>Provide an updated version of Table 2.5-3a in the 2013 RTRP Final EIR that reflects all changes to calculated work space disturbance areas based on preliminary engineering revisions (see Items #1 through #3 above).</b></p>
5	<p><b>Provide cultural resource survey reports and data for all unsurveyed portions of project disturbance areas as refined in response to Items 1 through 3 above (see also Attachment B).</b></p>
6	<p><b>Clarify how SCE expects to obtain a permit for new poles located in the Hidden Valley Land and Water Conservation Fund (LWCF) area. How will NEPA be handled for new poles in this area? Where and how will SCE replace the impacted LWCF area?</b></p> <p>The Land Use section in the 2013 RTRP Final EIR lacks analysis of the land use impacts resulting from conversion of LWCF areas. Mitigation Measure REC-02 in the recreation section does not define where or how SCE would replace the LWCF area or obtain the necessary permits from the National Park Service. Further information is needed to verify the feasibility of the proposed "land conversion" for the proposed transmission line structures within the LWCF area.</p>
7	<p><b>Focused surveys are required for the following special-status species within suitable habitat:</b></p> <ul style="list-style-type: none"> <li>• <b>Burrowing owl</b></li> </ul>

**Table 1: SCE Riverside Transmission Reliability Project Application 15-04-013  
 Deficiency Report #4**

Number	Deficiency
	<ul style="list-style-type: none"> <li>• <b>Least Bell's vireo</b></li> <li>• <b>Southwestern willow flycatcher</b></li> <li>• <b>Western yellow-billed cuckoo</b></li> <li>• <b>Delhi sands flower-loving fly</b></li> <li>• <b>San Diego ambrosia</b></li> <li>• <b>Brand's phacelia</b></li> <li>• <b>San Miguel savory</b></li> <li>• <b>Los Angeles pocket mouse</b></li> <li>• <b>Northwestern San Diego pocket mouse</b></li> <li>• <b>San Bernardino kangaroo rat</b></li> </ul> <p>Focused surveys for these species were performed between 2006 and 2009 (seven to ten years ago). These surveys are considered out-of-date and do not reflect current species distribution. The impact analysis and the mitigation measures in the 2013 RTRP Final EIR may therefore not adequately consider the level of impacts on these species. The focused surveys need to include the full limits of all work areas as defined in response to items 1 through 3 above.</p>





**CPUC Riverside  
Work Area Constraints  
Mapbook**

**Legend**

- Lattice
- Tube
- Proposed Transmission Line
- Indicative Access Road
- GDAD Buffer Area
- Proposed Substation
- Land and Water Conservation Fund
- Freshwater Forested/Shrub Wetland
- Riverine

**Pole AX1:**

- Buffer area overlaps with steep slopes, wetlands (Santa Ana River floodplain and tributary drainages), and MWD aqueduct
- Buffer area is larger than previously surveyed area for cultural resources (see attached mapbooks)

**Poles AX2 and AX3:**

- Buffer area is larger than previously surveyed area for cultural resources (see attached mapbooks)
- Buffer areas overlap with adjacent building's loading docks and perimeter vegetation

**Pole AX4:**

- Buffer overlaps with tributary drainage
- Buffer area is larger than previously surveyed areas for cultural resources (see attached mapbooks)
- Buffer area overlaps with existing parking

Map 1 of 22

0 50 100 200 300 400 Feet

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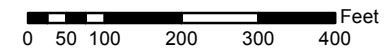
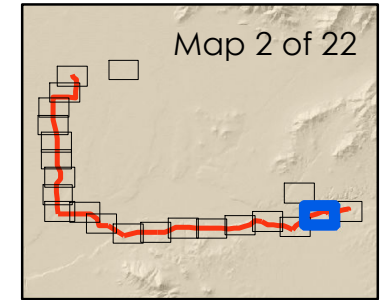
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



**CPUC Riverside  
Work Area Constraints  
Mapbook**

**Legend**

- Lattice
- Tube
- Proposed Transmission Line
- Indicative Access Road
- GDAD Buffer Area
- Land and Water Conservation Fund
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Riverine



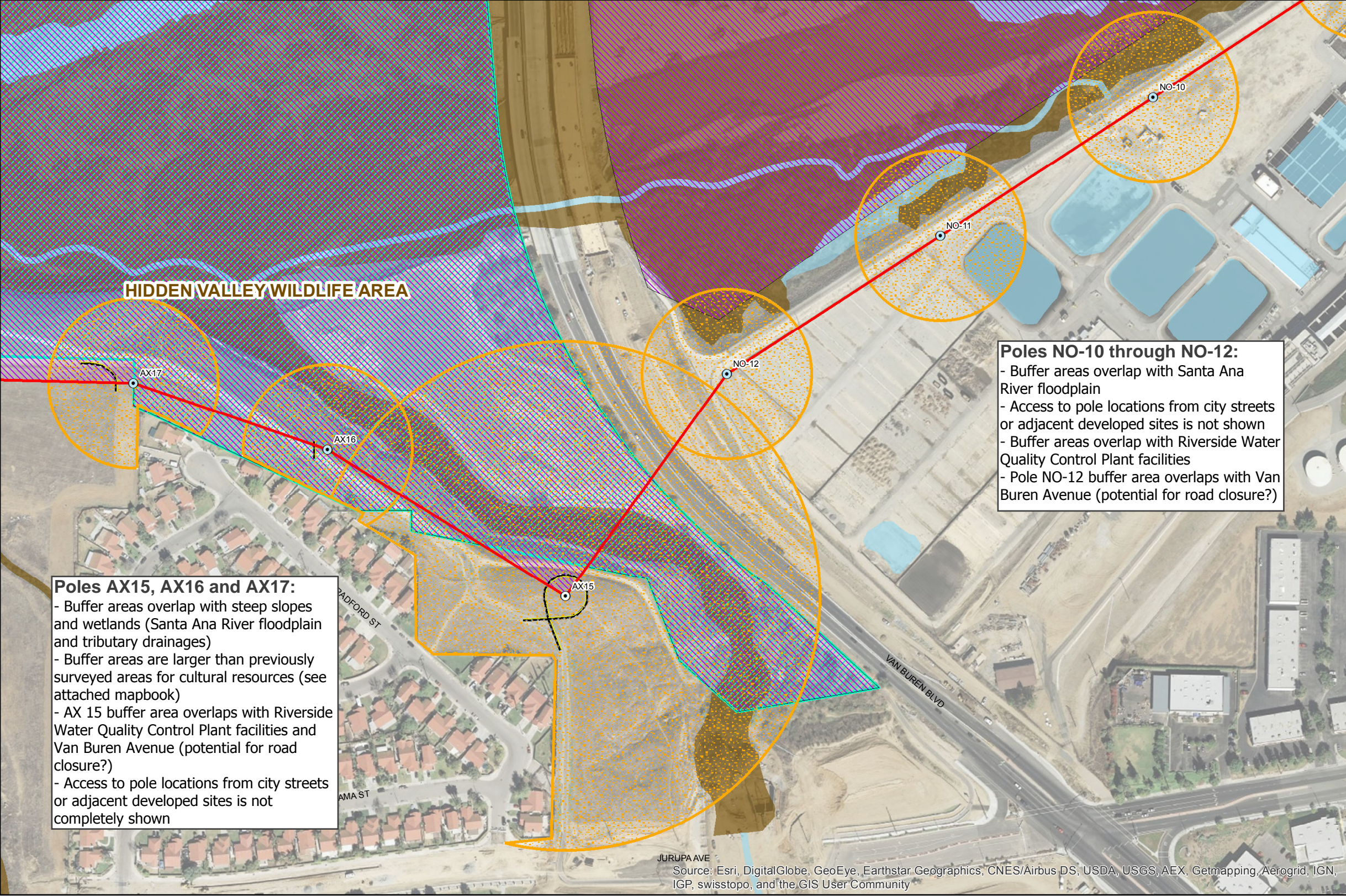
**Poles NO-7 through NO-10:**

- Access to pole locations from city streets or adjacent developed sites is not shown
- Buffer areas are larger than previously surveyed areas for cultural resources (see attached mapbooks)
- Buffer areas overlap with Riverside Water Quality Control Plant facilities

**Poles AX5 and NO-6:**

- Buffer areas overlap with steep slopes and wetlands (Santa Ana River floodplain and tributary drainages)
- Buffer areas are larger than previously surveyed areas for cultural resources (see attached mapbooks)
- Buffer areas overlap with Riverside Water Quality Control Plant facilities
- Access to pole locations from city streets or adjacent developed sites is not shown
- AX5 buffer overlaps with existing parking on the east side of Payton Avenue





**CPUC Riverside  
Work Area Constraints  
Mapbook**  
**Legend**

- Lattice
- Tube
- Proposed Transmission Line
- Indicative Access Road
- GDAD Buffer Area
- Land and Water Conservation Fund
- Hidden Valley Wildlife Area
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Riverine

**Poles NO-10 through NO-12:**

- Buffer areas overlap with Santa Ana River floodplain
- Access to pole locations from city streets or adjacent developed sites is not shown
- Buffer areas overlap with Riverside Water Quality Control Plant facilities
- Pole NO-12 buffer area overlaps with Van Buren Avenue (potential for road closure?)

**Poles AX15, AX16 and AX17:**

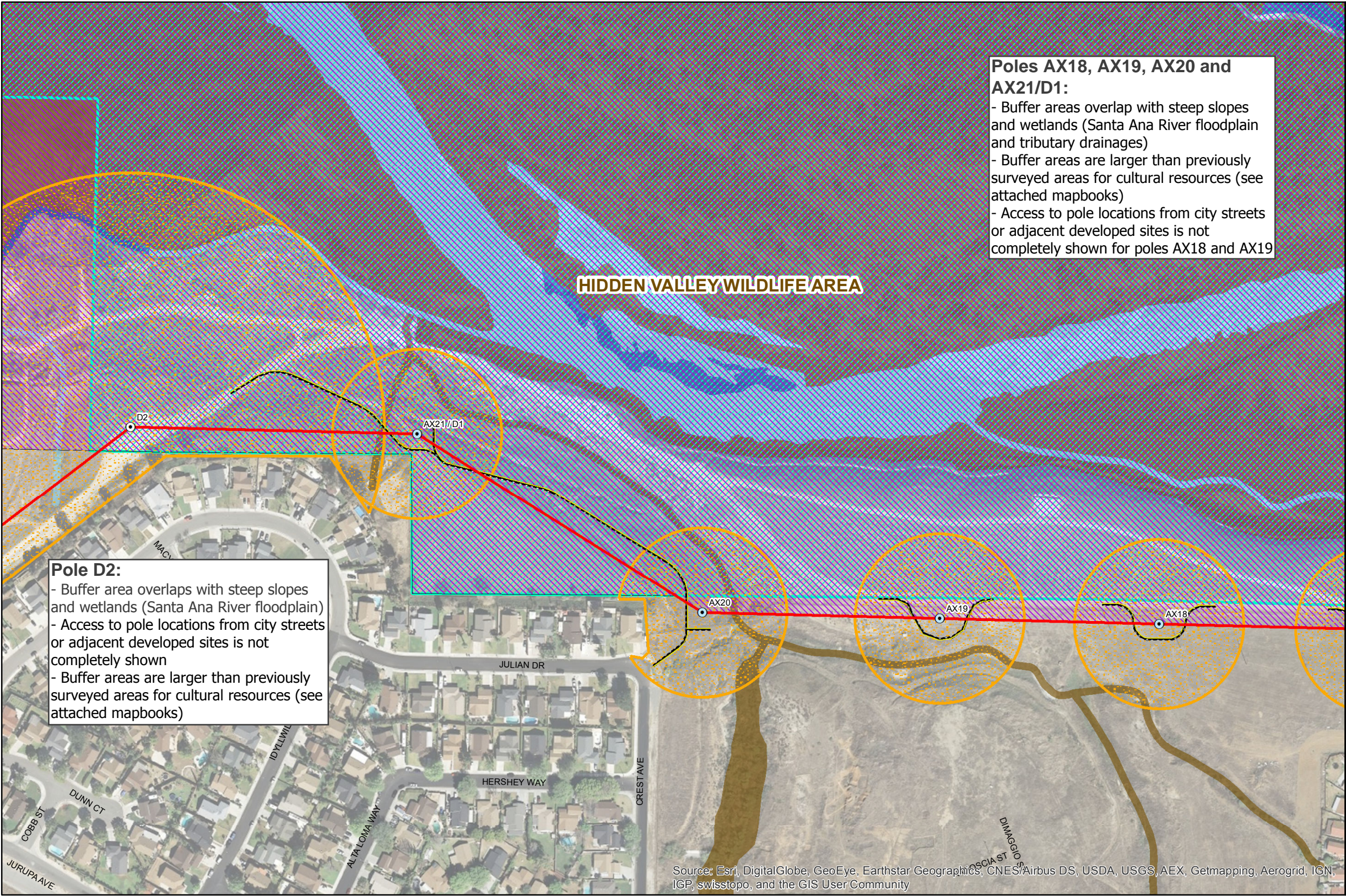
- Buffer areas overlap with steep slopes and wetlands (Santa Ana River floodplain and tributary drainages)
- Buffer areas are larger than previously surveyed areas for cultural resources (see attached mapbook)
- AX 15 buffer area overlaps with Riverside Water Quality Control Plant facilities and Van Buren Avenue (potential for road closure?)
- Access to pole locations from city streets or adjacent developed sites is not completely shown

Map 3 of 22

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Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community





**Poles AX18, AX19, AX20 and AX21/D1:**

- Buffer areas overlap with steep slopes and wetlands (Santa Ana River floodplain and tributary drainages)
- Buffer areas are larger than previously surveyed areas for cultural resources (see attached mapbooks)
- Access to pole locations from city streets or adjacent developed sites is not completely shown for poles AX18 and AX19

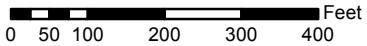
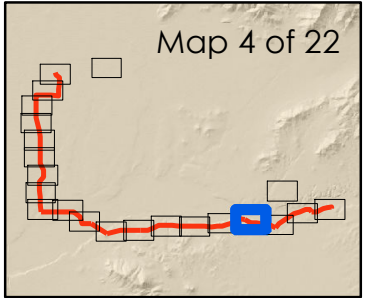
**CPUC Riverside  
Work Area Constraints  
Mapbook**

**Legend**

- Lattice
- Tube
- Proposed Transmission Line
- Indicative Access Road
- GDAD Buffer Area
- Land and Water Conservation Fund
- Hidden Valley Wildlife Area
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Riverine

**Pole D2:**

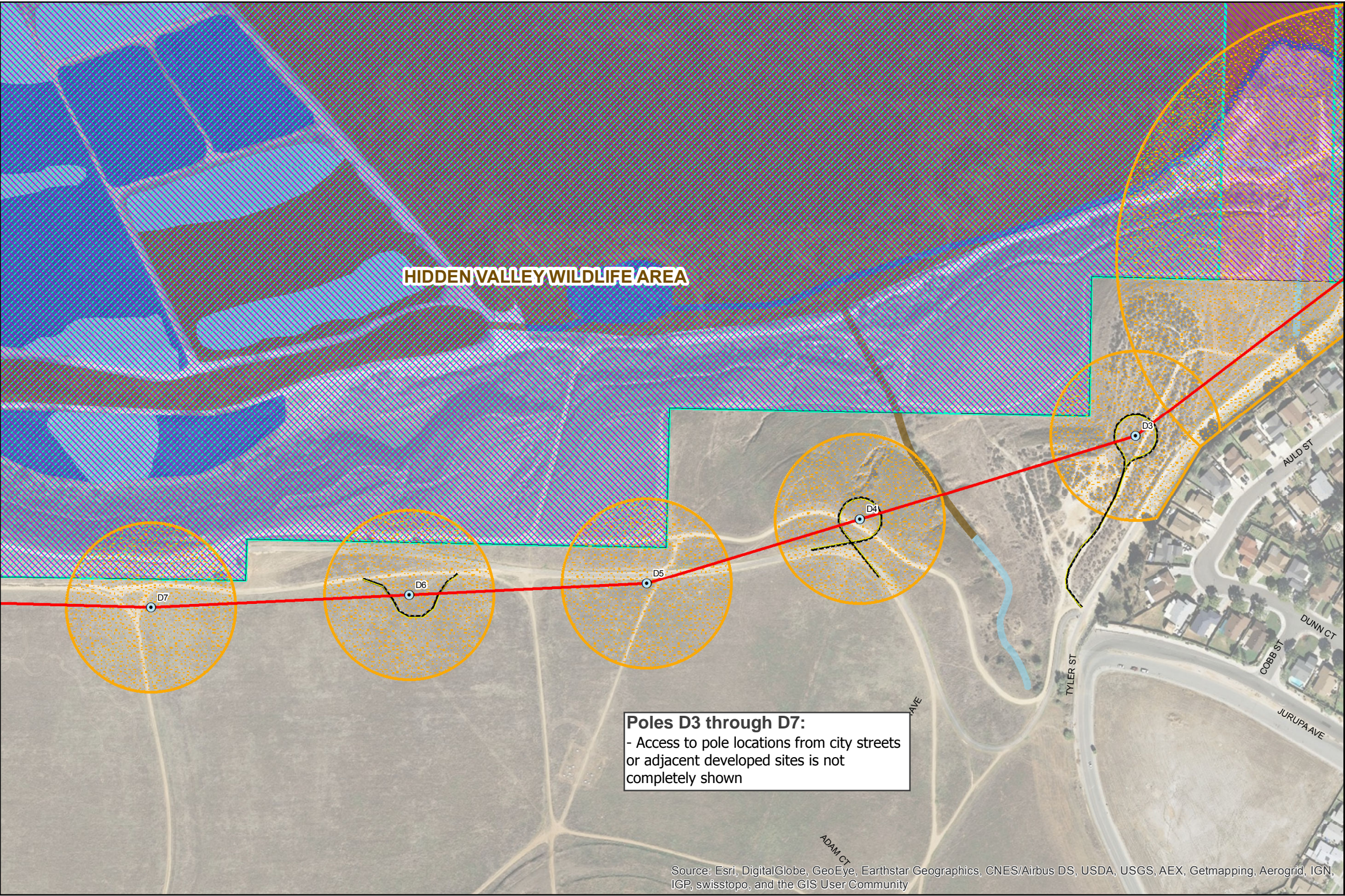
- Buffer area overlaps with steep slopes and wetlands (Santa Ana River floodplain)
- Access to pole locations from city streets or adjacent developed sites is not completely shown
- Buffer areas are larger than previously surveyed areas for cultural resources (see attached mapbooks)



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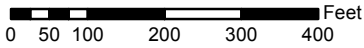
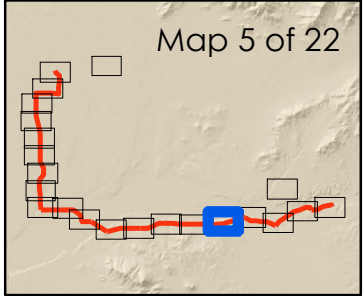




**CPUC Riverside  
Work Area Constraints  
Mapbook**

**Legend**

- Tube
- Proposed Transmission Line
- Indicative Access Road
- GDAD Buffer Area
- Land and Water Conservation Fund
- Hidden Valley Wildlife Area
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Riverine



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**CPUC Riverside  
Work Area Constraints  
Mapbook**

**Legend**

- Tube
- Proposed Transmission Line
- Indicative Access Road
- GDAD Buffer Area
- Land and Water Conservation Fund
- Hidden Valley Wildlife Area
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Riverine

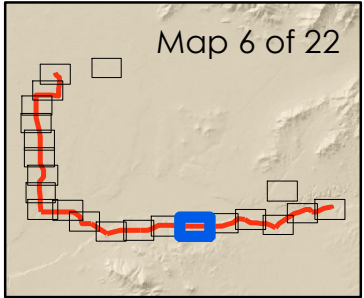
**HIDDEN VALLEY WILDLIFE AREA**

**Poles D10 and D11:**

- Buffer areas are larger than previously surveyed areas for cultural resources (see attached mapbooks)
- Access to pole locations from city streets or adjacent developed sites is not shown

**Poles D8 and D9:**

- Access to pole locations from city streets or adjacent developed sites is not shown

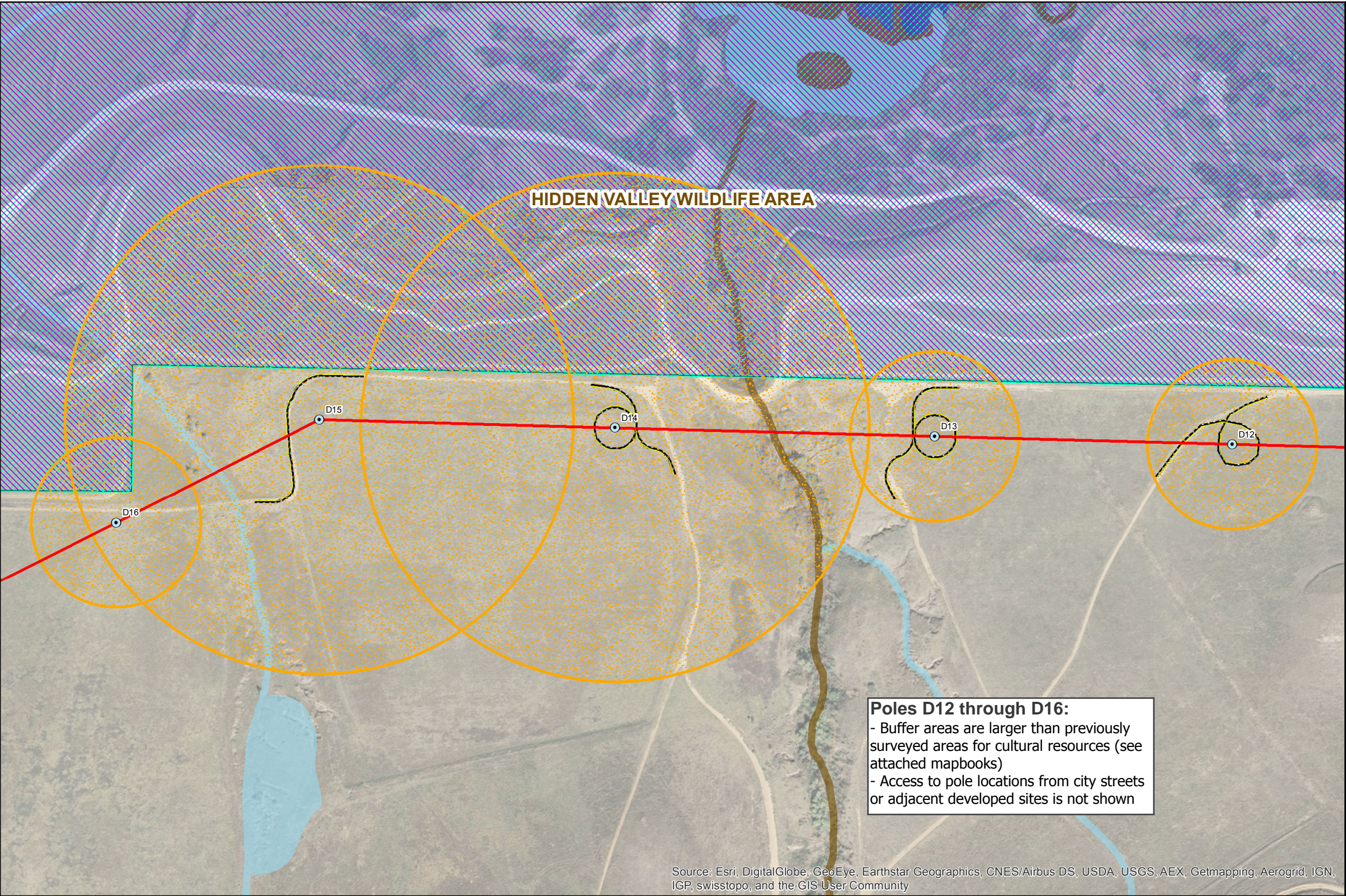


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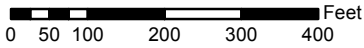
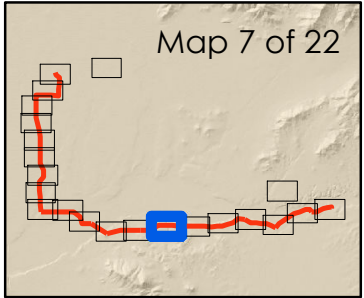
**CPUC Riverside  
Work Area Constraints  
Mapbook**

**Legend**

- Tube
- Proposed Transmission Line
- Indicative Access Road
- GDAD Buffer Area
- Land and Water Conservation Fund
- Hidden Valley Wildlife Area
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Riverine

**Poles D12 through D16:**

- Buffer areas are larger than previously surveyed areas for cultural resources (see attached mapbooks)
- Access to pole locations from city streets or adjacent developed sites is not shown










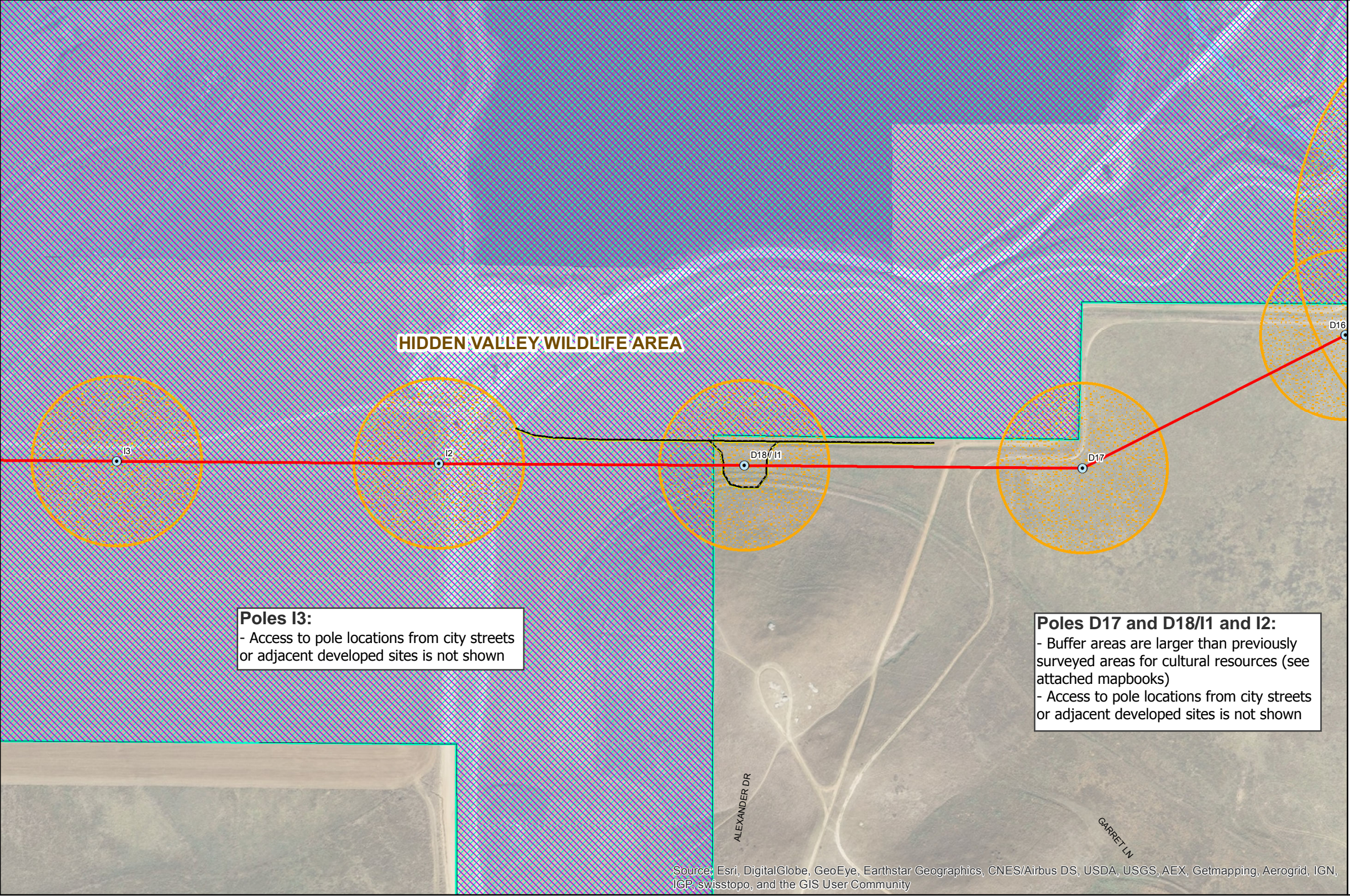
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**CPUC Riverside  
Work Area Constraints  
Mapbook**

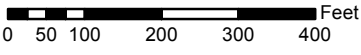
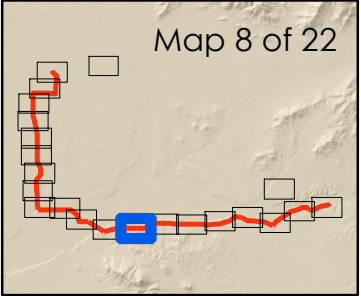
**Legend**

-  Tube
-  Proposed Transmission Line
-  Indicative Access Road
-  GDAD Buffer Area
-  Land and Water Conservation Fund
-  Hidden Valley Wildlife Area
-  Riverine



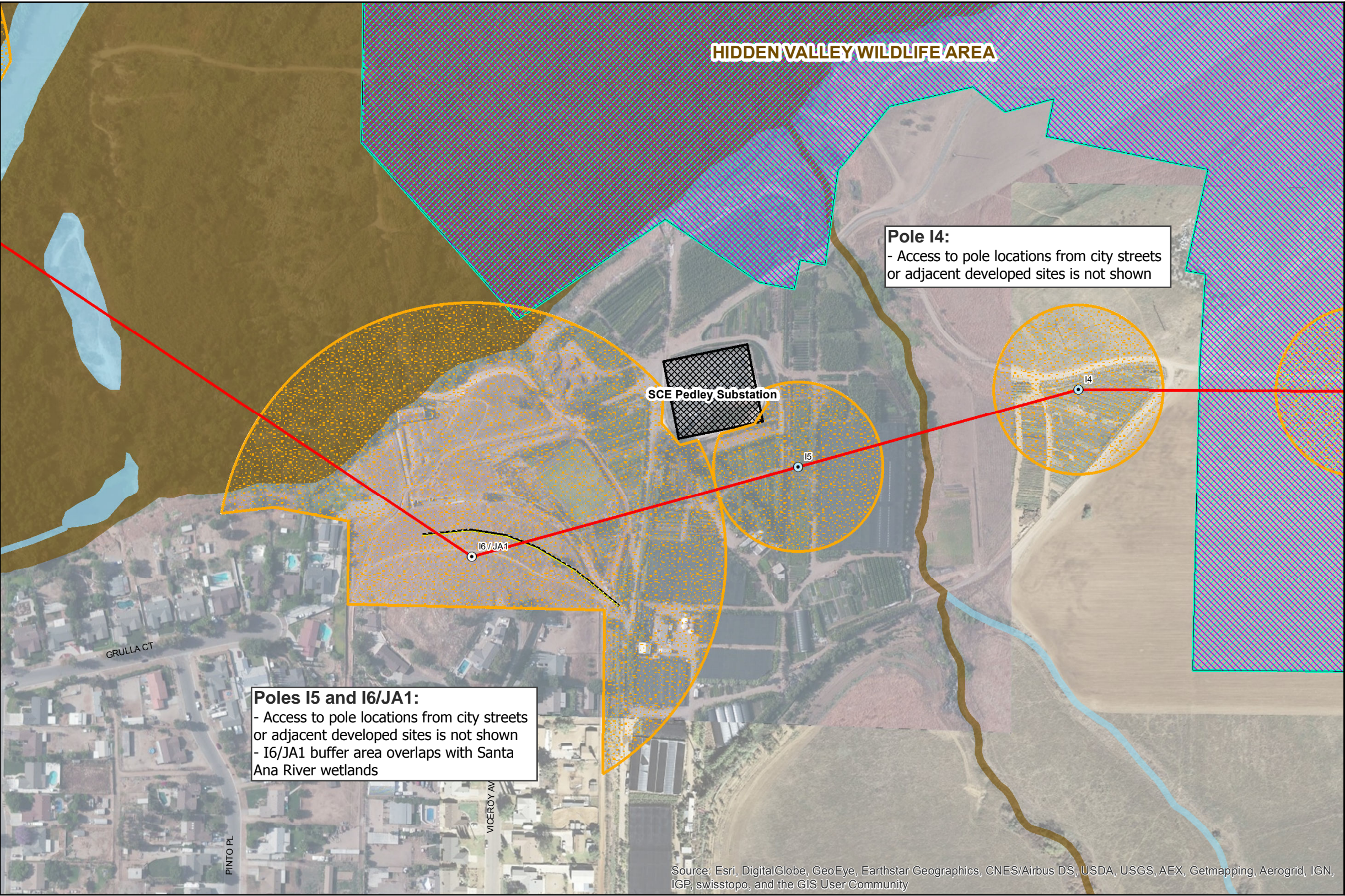
**Poles I3:**  
- Access to pole locations from city streets or adjacent developed sites is not shown

**Poles D17 and D18/I1 and I2:**  
- Buffer areas are larger than previously surveyed areas for cultural resources (see attached mapbooks)  
- Access to pole locations from city streets or adjacent developed sites is not shown



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

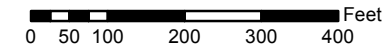
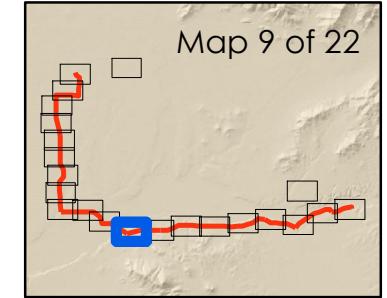




**CPUC Riverside  
Work Area Constraints  
Mapbook**

**Legend**

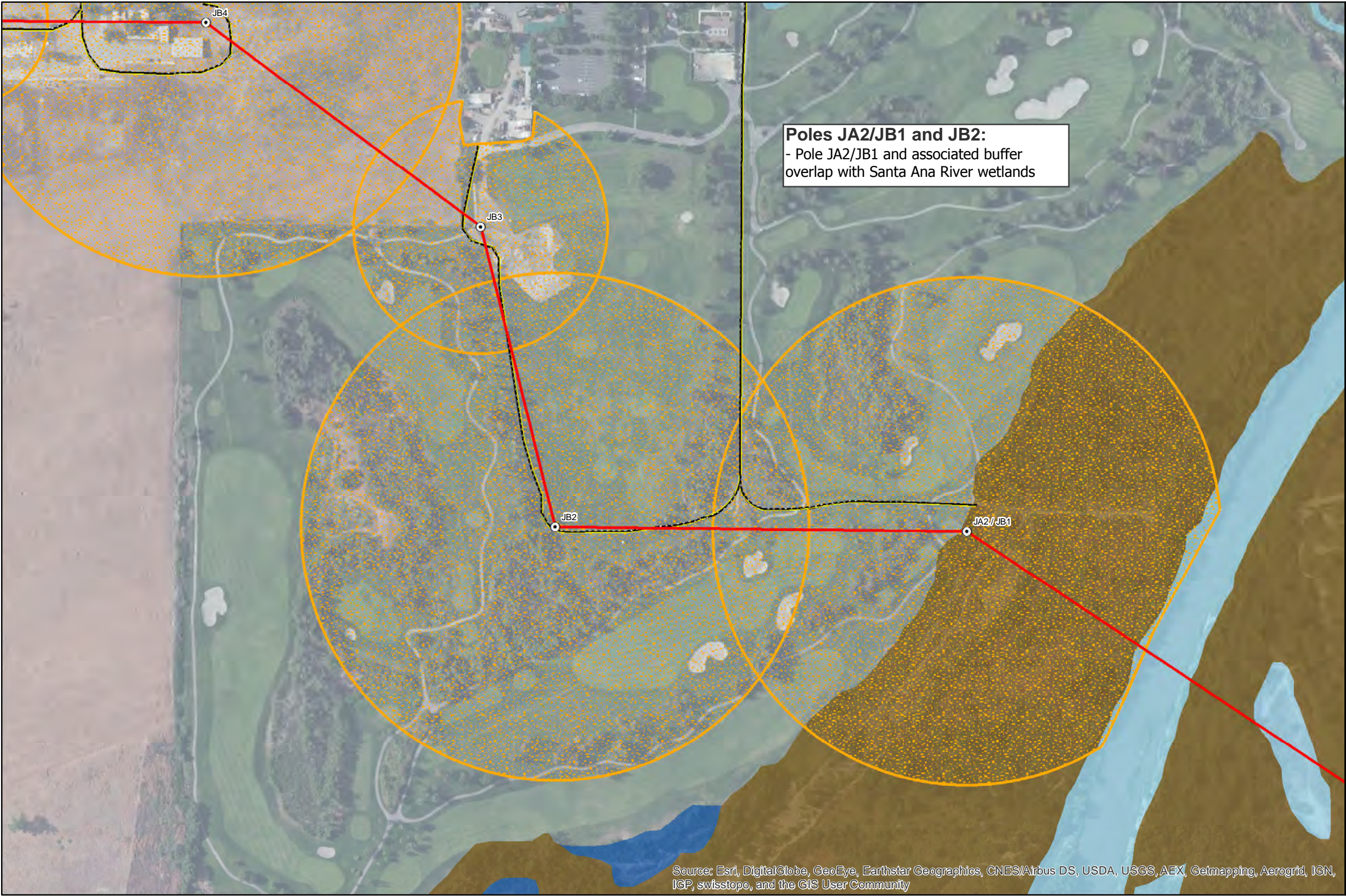
- Lattice
- Tube
- Proposed Transmission Line
- Indicative Access Road
- GDAD Buffer Area
- Existing Substation
- Land and Water Conservation Fund
- Hidden Valley Wildlife Area
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Riverine



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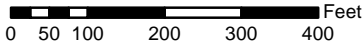
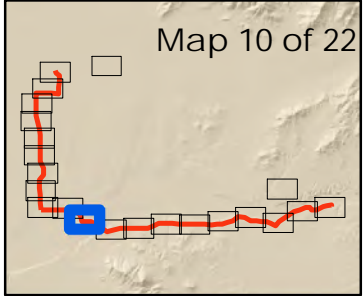


**Poles JA2/JB1 and JB2:**  
- Pole JA2/JB1 and associated buffer  
overlap with Santa Ana River wetlands

CPUC Riverside  
Work Area Constraints  
Mapbook

**Legend**

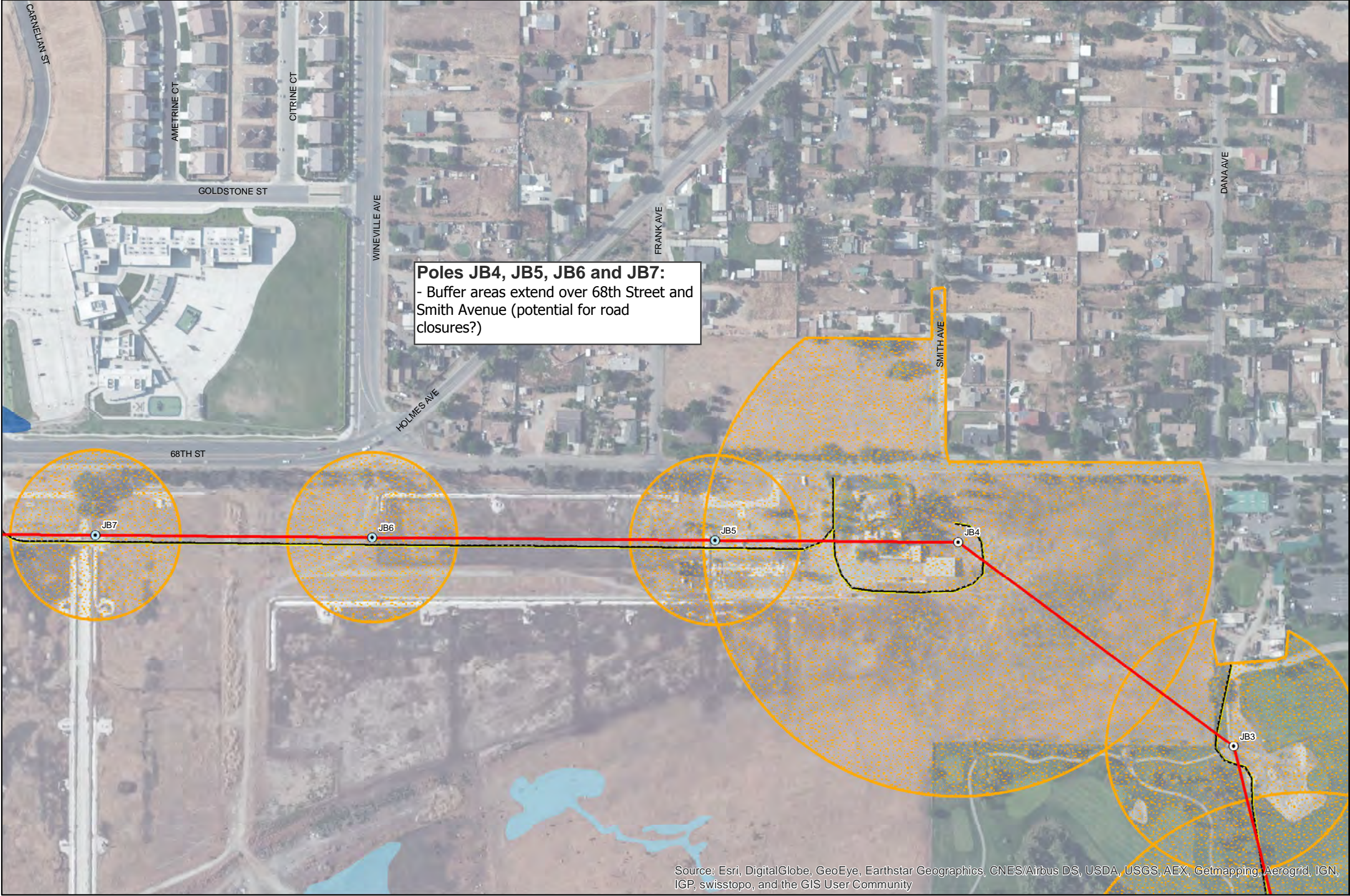
- ⊙ Lattice
- Proposed Transmission Line
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- GDAD Buffer Area
- Freshwater Emergent Wetland
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- Freshwater Pond
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CPUC Riverside  
Work Area Constraints  
Mapbook

**Legend**

- Lattice
- Tube
- Proposed Transmission Line
- Indicative Access Road
- GDAD Buffer Area
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- Freshwater Pond

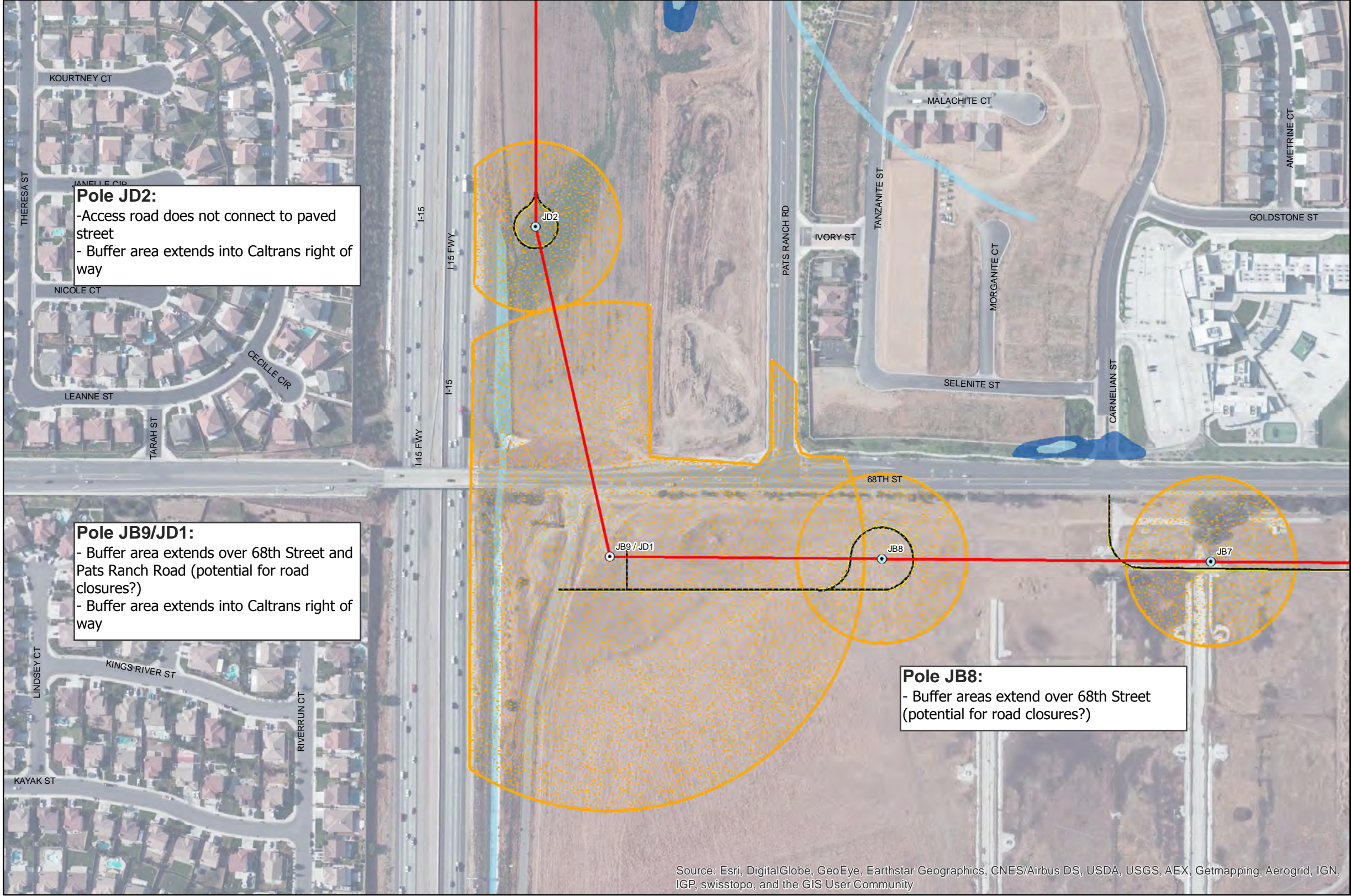
Map 11 of 22

0 50 100 200 300 400 Feet

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Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community





**Pole JD2:**  
-Access road does not connect to paved street  
- Buffer area extends into Caltrans right of way

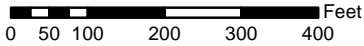
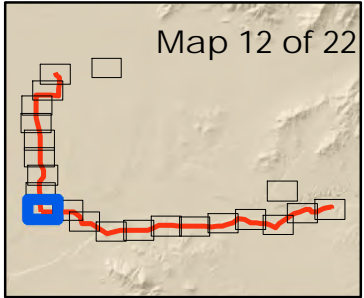
**Pole JB9/JD1:**  
- Buffer area extends over 68th Street and Pats Ranch Road (potential for road closures?)  
- Buffer area extends into Caltrans right of way

**Pole JB8:**  
- Buffer areas extend over 68th Street (potential for road closures?)

CPUC Riverside  
Work Area Constraints  
Mapbook

**Legend**

- Lattice
- Tube
- Proposed Transmission Line
- Indicative Access Road
- ▨ GDAD Buffer Area
- Freshwater Emergent Wetland
- Freshwater Pond
- Riverine



PANORAMA  
ENVIRONMENTAL, INC.

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community





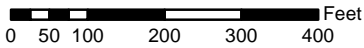
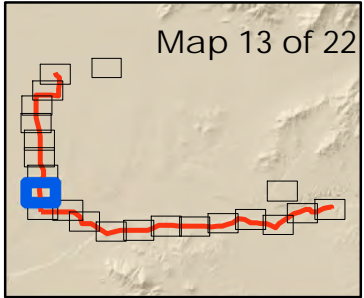
**Poles JD3, JD4, and JD5:**  
- Buffer area extends into Caltrans right of way

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

CPUC Riverside  
Work Area Constraints  
Mapbook

**Legend**

- Tube
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- Riverine



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**Pole JD8:**

- Buffer areas extend into Caltrans right of way
- Buffer area extends into Limonite Avenue (potential for road closures?)

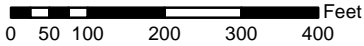
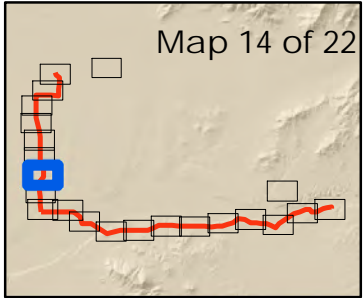
**Poles JD6 and JD7:**

- Buffer areas extend into Caltrans right of way
- Buffer areas extend into loading/receiving area of Vernola Marketplace
- JD7 has no marked access from parking lot. There is a steep slope and concrete "v" ditch separating adjacent parking lot from pole location.

CPUC Riverside  
Work Area Constraints  
Mapbook

Legend

- Tube
- Proposed Transmission Line
- Indicative Access Road
- GDAD Buffer Area
- Freshwater Pond



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Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



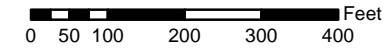
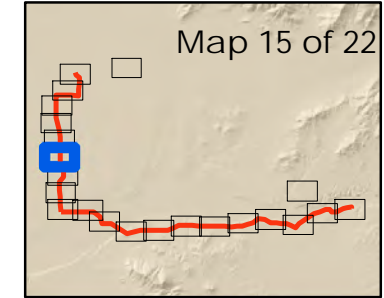


**Poles JD9, JD 10, and JD11:**  
- Buffer areas extend into Caltrans right of way

CPUC Riverside  
Work Area Constraints  
Mapbook

**Legend**

- Tube
- Proposed Transmission Line
- Indicative Access Road
- GDAD Buffer Area
- Freshwater Pond



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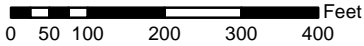
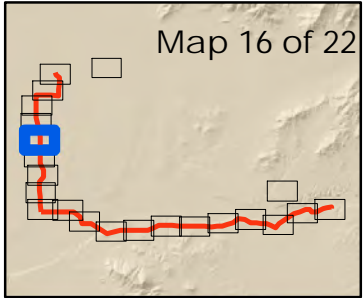


**Poles JD12, JD13, and JD14:**  
- Buffer areas extend into Caltrans right of way

CPUC Riverside  
Work Area Constraints  
Mapbook

**Legend**

- Tube
- Proposed Transmission Line
- Indicative Access Road
- GDAD Buffer Area
- Freshwater Pond



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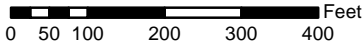
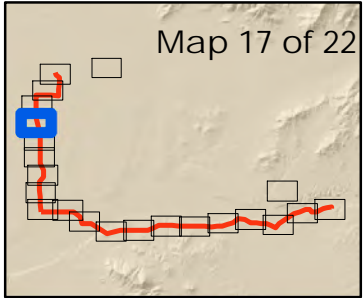
**Pole JD16:**  
- Buffer area extends into Caltrans right of way  
- Buffer area extends into Bellegrave Avenue (potential for road closure?)

**Pole JD15:**  
- Buffer area extends into Caltrans right of way  
- Access to city streets is (Bellegrave Avenue) is not completely shown

CPUC Riverside  
Work Area Constraints  
Mapbook

**Legend**

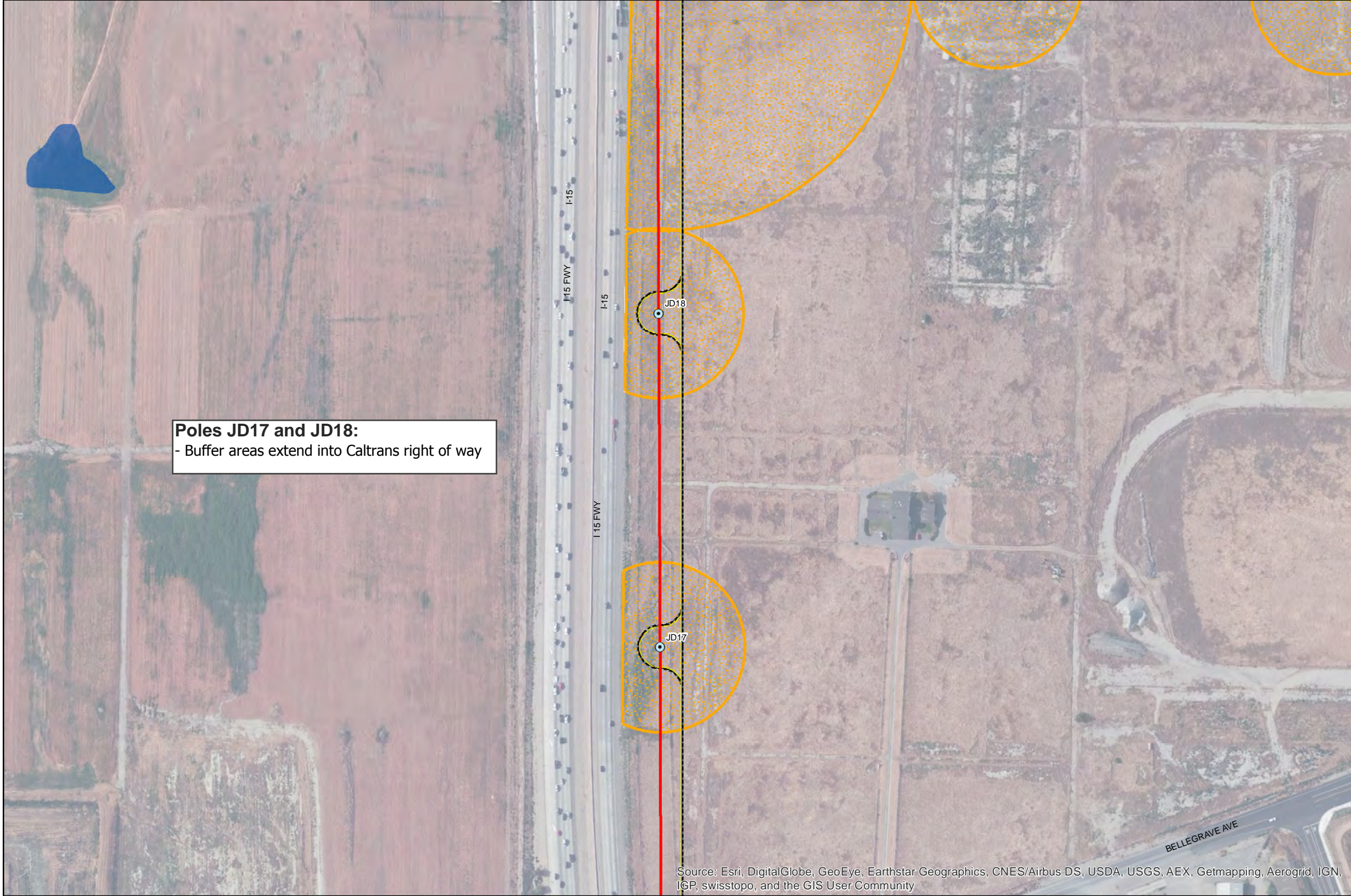
- Tube
- Proposed Transmission Line
- Indicative Access Road
- GDAD Buffer Area
- Freshwater Pond



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**Poles JD17 and JD18:**  
- Buffer areas extend into Caltrans right of way

CPUC Riverside  
Work Area Constraints  
Mapbook

**Legend**

- Tube
- Proposed Transmission Line
- Indicative Access Road
- GDAD Buffer Area
- Freshwater Emergent Wetland

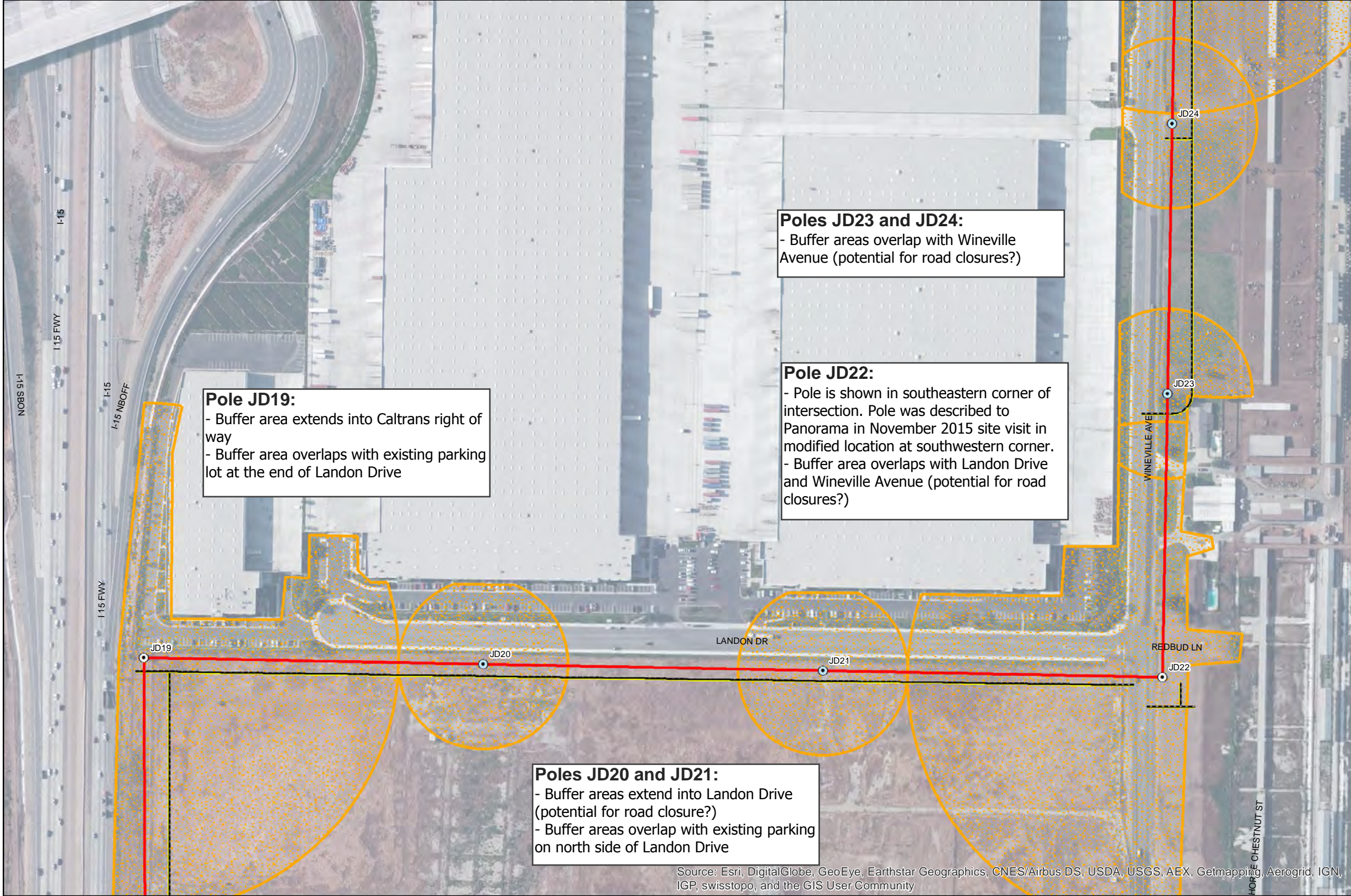
Map 18 of 22

0 50 100 200 300 400 Feet

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Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

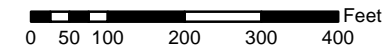
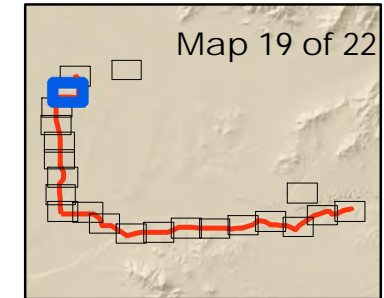




CPUC Riverside  
Work Area Constraints  
Mapbook

**Legend**

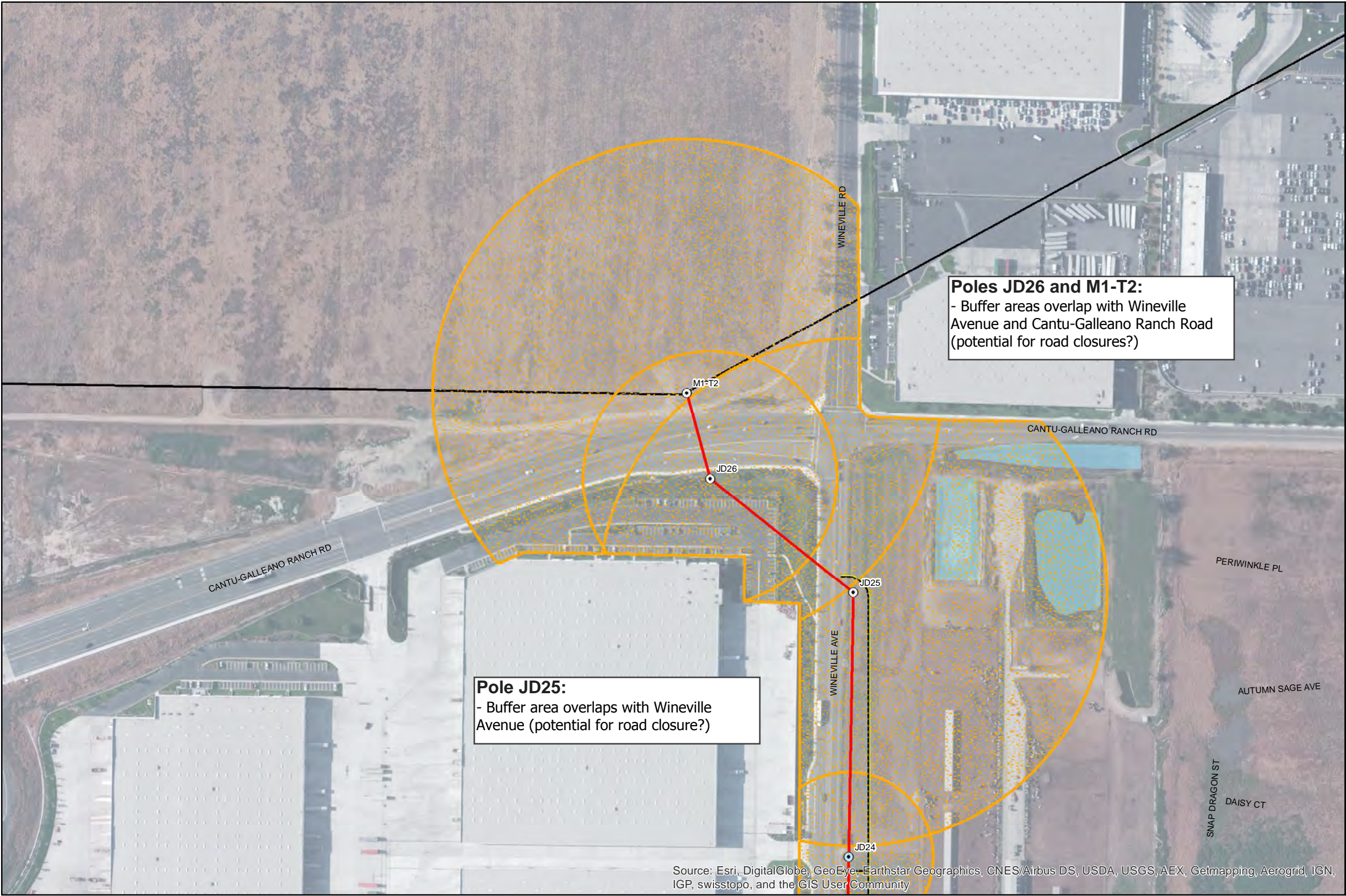
- Lattice
- Tube
- Proposed Transmission Line
- Indicative Access Road
- GDAD Buffer Area



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CPUC Riverside  
Work Area Constraints  
Mapbook

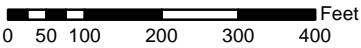
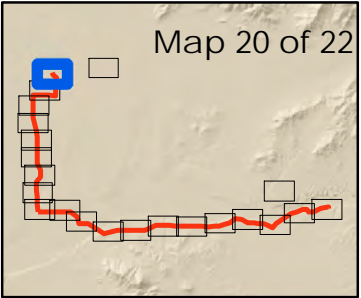
**Legend**

- ⊙ Lattice
- ⊙ Tube
- Proposed Transmission Line
- Indicative Access Road
- ▨ GDAD Buffer Area
- Existing Transmission Line
- Freshwater Pond

**Poles JD26 and M1-T2:**  
- Buffer areas overlap with Wineville Avenue and Cantu-Galleano Ranch Road (potential for road closures?)

**Pole JD25:**  
- Buffer area overlaps with Wineville Avenue (potential for road closure?)

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



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CPUC Riverside  
Work Area Constraints  
Mapbook

**Legend**

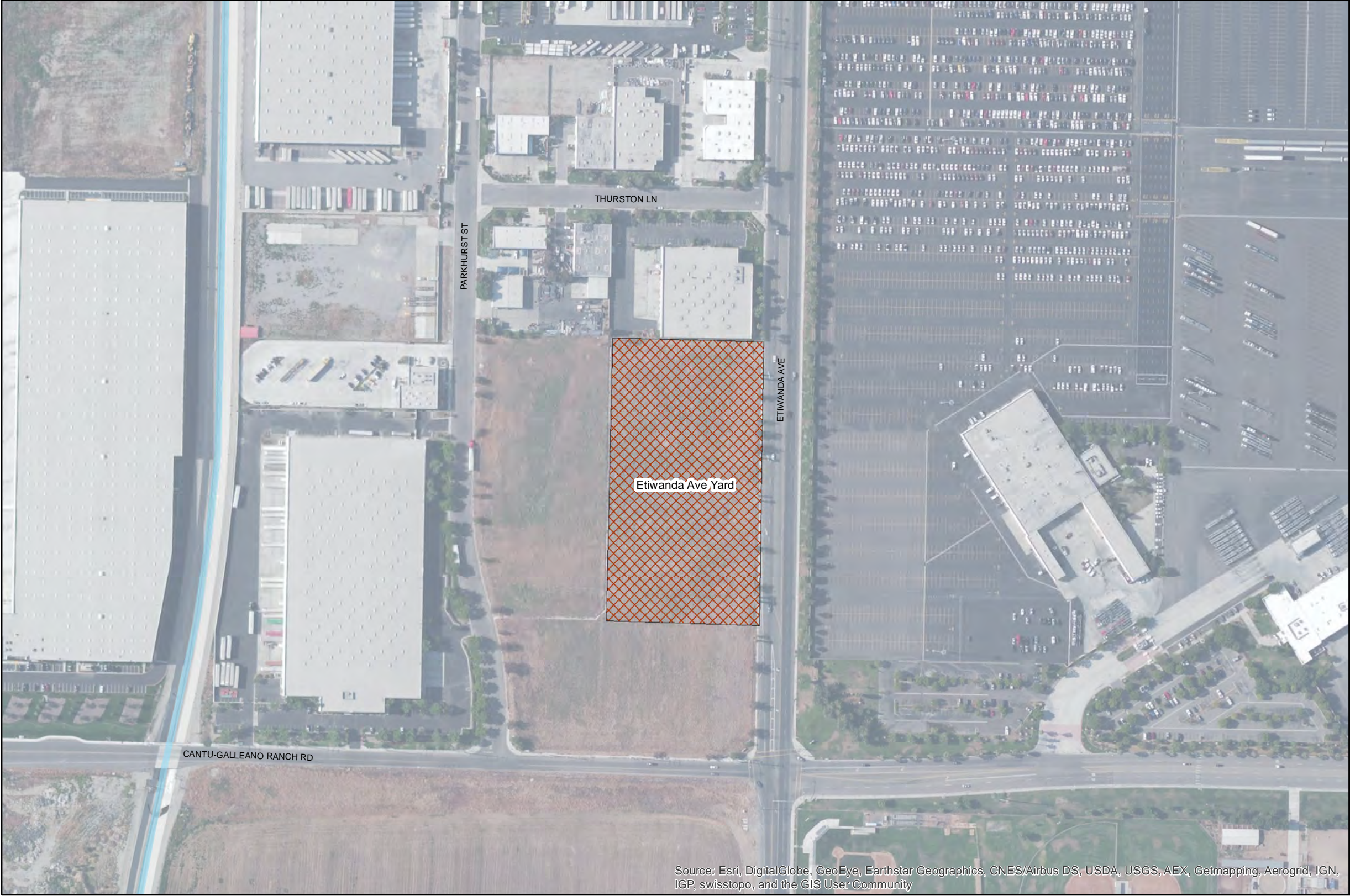
- Material Storage Yard
- Hidden Valley Wildlife Area
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

Map 21 of 22

0 50 100 200 300 400 Feet



PANORAMA  
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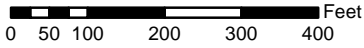
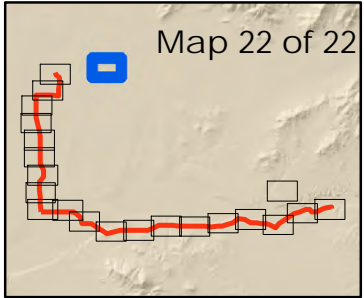




CPUC Riverside  
Work Area Constraints  
Mapbook

**Legend**

-  Material Storage Yard
-  Riverine



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**CPUC Riverside Cultural Resource Survey Area**

**Legend**

- Lattice
- Tube
- Proposed Transmission Line
- Indicative Access Road
- GDAD Buffer Area
- Existing Substation
- Cultural Survey Area

Map 2 of 3

Map 3

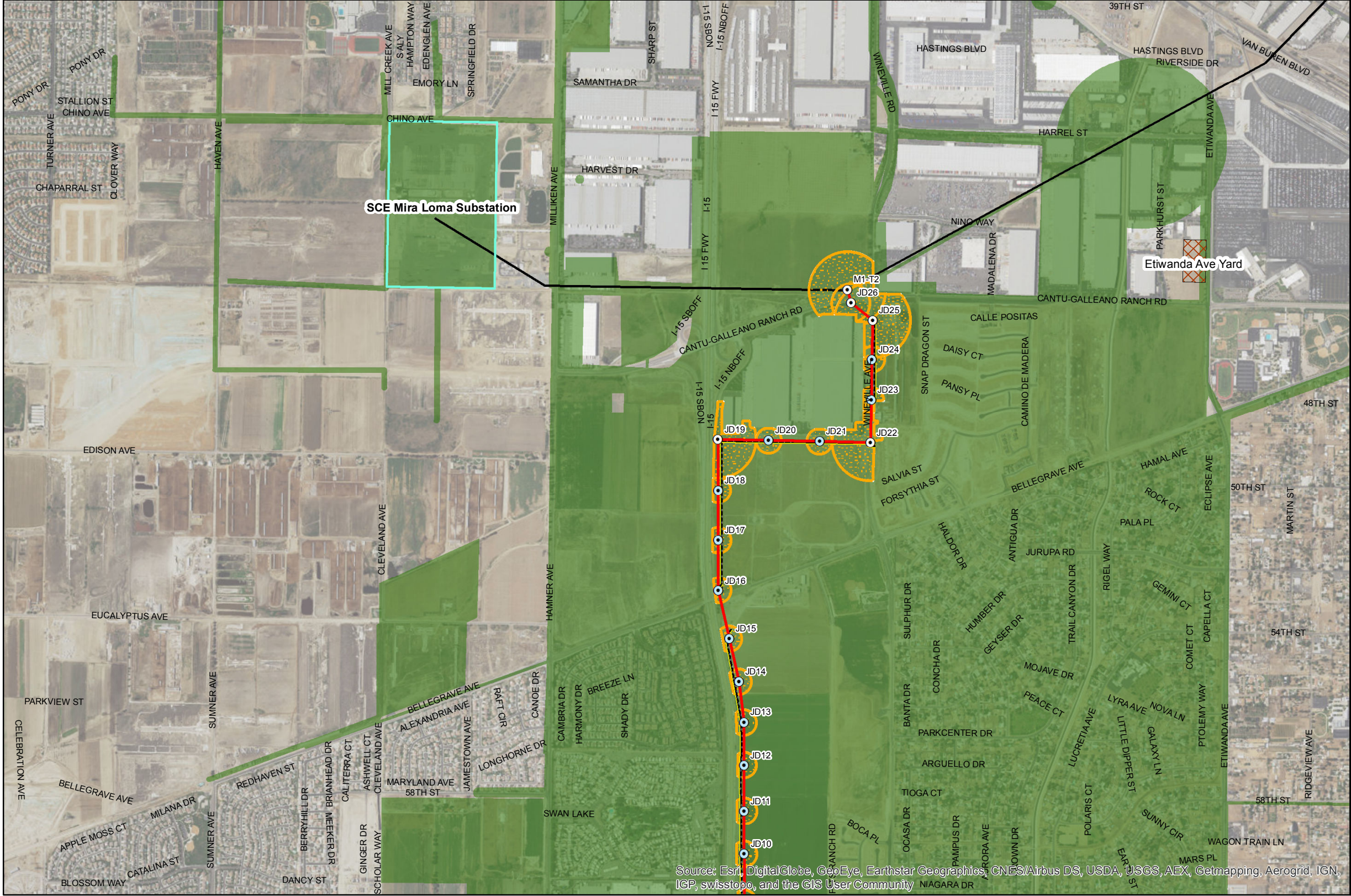
Map 2

Map 1

0 250 500 1,000 1,500 2,000 Feet

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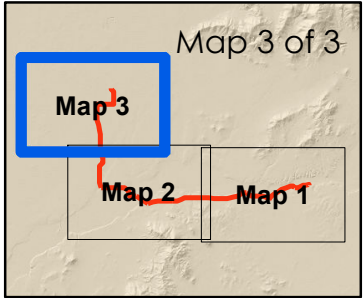




**CPUC Riverside  
Cultural Resource Survey Area**

**Legend**

- Lattice
- Tube
- Proposed Transmission Line
- Indicative Access Road
- ▨ Material Storage Yard
- ▨ GDAD Buffer Area
- Existing Substation
- Existing Transmission Line
- Cultural Survey Area



0 250 500 1,000 1,500 2,000 Feet

**PANORAMA**  
ENVIRONMENTAL, INC.

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community