

## PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE  
SAN FRANCISCO, CA 94102-3298



July 7, 2017

Pat Adams, Principal Advisor  
Southern California Edison Company  
8651 Rush St., 2nd Floor  
Rosemead, CA 91770  
Email: Patricia.Adams@sce.com

**RE: Data Request #7 - Certificate of Public Convenience and Necessity for the Riverside Transmission Reliability Project – Application No. A.15-04-013**

Dear Ms. Adams,

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 SCE's responses to Data Requests #1 through #6.

The CPUC has determined that additional data is required to fully evaluate the feasibility and impacts of the alternatives in the Subsequent Environmental Impact Report (EIR). These data needs are identified in the attached Request for Additional Data.

Information provided by SCE in response to this Request for Additional Data 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 request no later than July 21, 2017. Please let us know if you cannot provide the information by this date. Delays in responding to these data needs will result in associated delays in preparation of the Subsequent EIR.

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).

Sincerely,

A handwritten signature in blue ink that reads "Jensen Uchida".

Jensen Uchida  
Project Manager

Energy Division, CEQA Unit

cc: Mary Jo Borak, Supervisor  
Jack Mulligan, CPUC Attorney  
Jeff Thomas, Panorama Environmental, Inc.

# REQUEST FOR ADDITIONAL DATA: DATA NEEDS #7 FOR THE RIVERSIDE TRANSMISSION RELIABILITY PROJECT - APPLICATION (A. 15-04-013)

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## REPORT OVERVIEW

The California Public Utilities Commission (CPUC) has identified several areas where more information is needed to prepare a complete and adequate analysis of the proposed project in accordance with the requirements of the California Environmental Quality Act (CEQA), as follows:

Table 1: SCE Riverside Transmission Reliability Project Application 15-04-013 Data Needs #7	
Number	Data Need
<b>Project Description</b>	
PD-1	<p><b>Please confirm the dimensions of temporary underground work areas or provide updated dimensions.</b></p> <ol style="list-style-type: none"> <li>1. SCE previously provided revised Table 2.5-3a: Land Disturbance Estimates (see Response to Deficiency Report No. 4, Q.04), which indicates a disturbance area dimension of 100 feet wide by 150 feet long for underground vault installation. This dimension is wider than any of the roadways where underground construction is proposed and would necessitate road closures and potentially impacts to residential property and structures (see Attachment A). This information conflicts with GDAD workspace data (also depicted in Attachment A) and the information provided in the Traffic Impact Study (see Response to Deficiency Report No. 4, Q.16) which indicates that the area of disturbance would be approximately 15 feet on all sides of vaults, for a total of 38 feet wide.               <ol style="list-style-type: none"> <li>a. Please indicate which disturbance dimension is accurate for vault installation.</li> <li>b. What types of activities would necessitate the vault work area dimensions of 100 feet wide by 150 feet long?</li> <li>c. How long would it take to install a single vault?</li> </ol> </li> <li>2. Revised Table 2.5-3a indicates a disturbance area dimension of 30 feet wide for installation of the transmission duct bank. This width is wider than 68th Street east of Wineville Avenue and would necessitate closure of that roadway segment during construction (see Attachment A). This information also conflicts with the information provided in the Traffic Impact Study (see Response to Deficiency Report No. 4, Q.16) which indicates that the area of disturbance would be approximately 15 feet on both sides of the trench, for a total of 34.5 feet wide.               <ol style="list-style-type: none"> <li>a. Please indicate which disturbance dimension is accurate for transmission duct bank installation.</li> </ol> </li> </ol>

**Table 1: SCE Riverside Transmission Reliability Project Application 15-04-013**






**Data Needs #7**

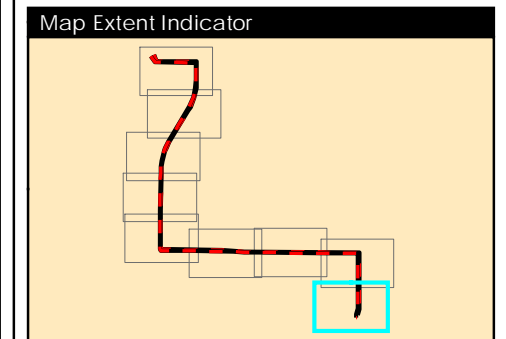
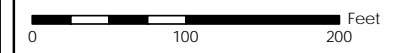
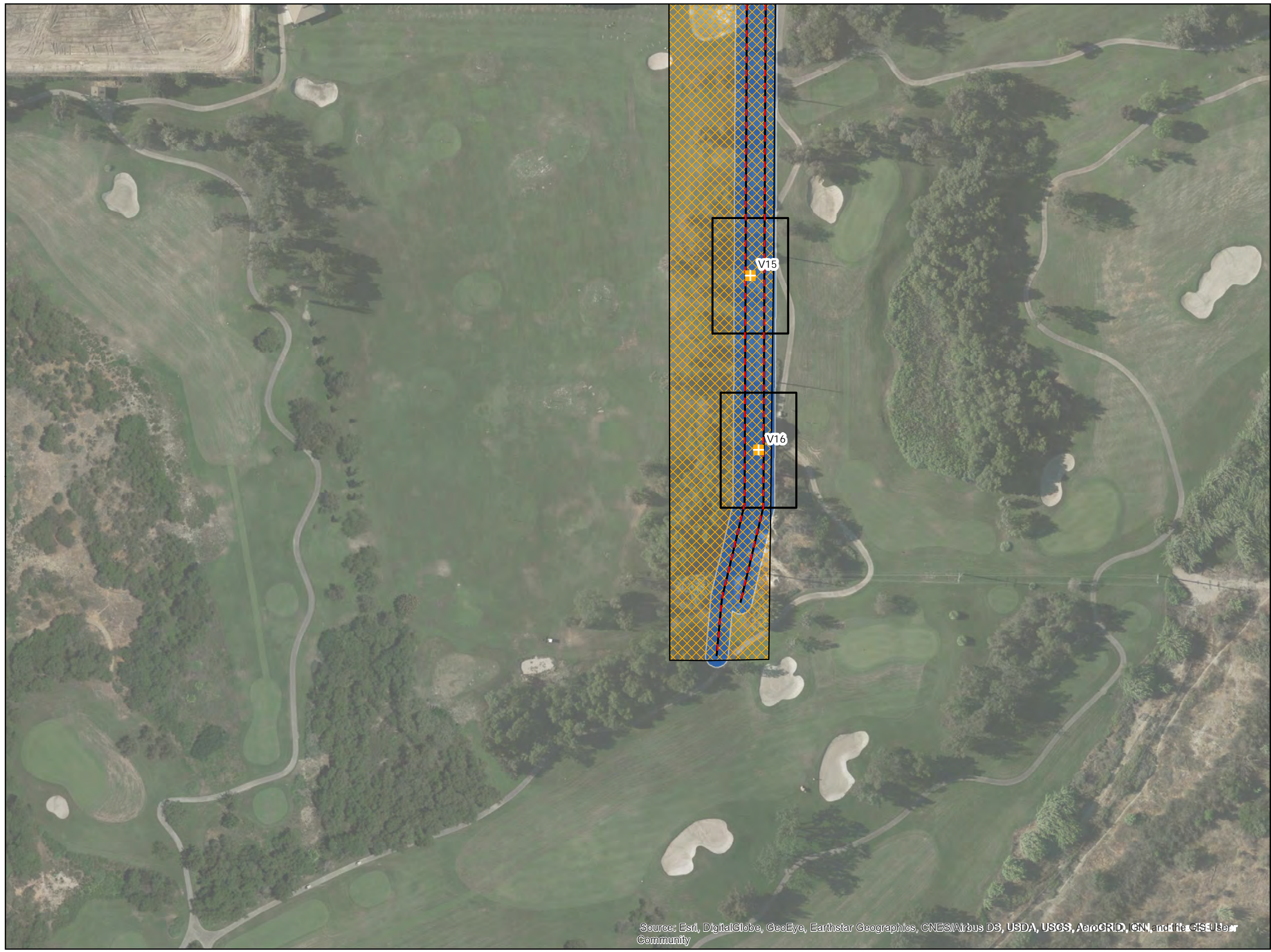
Number	Data Need
	<p>b. Please clarify whether the indicated width is for a single duct bank or both proposed duct banks?</p> <p>3. Verify that the disturbance area width for transmission duct bank installation of 30 feet would also apply to installation of distribution duct banks, as provided in revised Table 2.5-3a.</p> <p>4. Would the temporary work areas for duct banks and vaults, including staging of equipment, be the same as the disturbance area identified in Table 2.5-3a?</p>
PD-2	<p><b>Provide the entire preliminary schedule for the Riverside Transmission Reliability Project.</b></p> <p>The preliminary schedule provided in response to Data Request 5 was limited to page 1 of the schedule. The entire schedule is critical for our understanding and analysis of how construction of the 230-kV transmission line correlates to construction of Wildlife Substation and the distribution line relocations.</p>
<b>Traffic</b>	
TR-1	<p><b>Provide the Synchro 9.1 files used to analyze the intersection level of service under existing conditions and existing with ambient growth conditions.</b></p>
<b>Noise</b>	
NO-1	<p><b>Provide hourly power flow data for the afternoon and evening hours of June 6, 2017 for the following transmission lines:</b></p> <ul style="list-style-type: none"> <li>• Chino-Serrano</li> <li>• Chino-Viejo</li> <li>• All transmission lines that cross Eucalyptus Avenue in Eastvale at the location where corona noise was measured for the 2016 Noise Technical Report.</li> </ul> <p>The CPUC’s noise specialist has conducted corona noise measurements of the above transmission lines. Power flow is one factor that influences corona noise. Power flow data that coincides with the date and time of measurements will support the correlation of corona noise levels with power flow levels.</p>
NO-2	<p><b>Update the corona noise discussion in the 2016 Noise Technical Report to reflect corona noise measured from a 230-kV transmission line.</b></p> <p>The corona noise impact discussion in 2016 Noise Technical Report is based on corona noise measurements collected at Eucalyptus Avenue in the city of Eastvale. SCE recently indicated via email correspondence that the transmission corridor that crosses Eucalyptus Avenue contains a 500-kV transmission line. Corona noise from a 500-kV line is expected to be much greater than a 230-kV transmission line and it is likely that corona noise levels provided in the 2016 Noise Technical Report were, in fact, measurements of the 500-kV line and not an isolated 230-kV line. The CPUC’s noise specialist confirmed that the 500-kV transmission line does produce measurable corona noise. Corona noise was not identified as coming from the 230-kV transmission line at this location. The Noise Technical Report must be updated to reflect the anticipated level of corona noise impact from a double-circuit 230-kV transmission line similar to the proposed project.</p>

## **ATTACHMENT A**

Riverside Transmission  
Reliability Project  
Proposed Underground Alignment  
Work Areas and GDAD Map (1 of 9)

Legend

-  Vault
-  Proposed Underground Alignment
-  Vault Work Area
-  Underground Alignment GDAD
-  Duct Bank Work Area








Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

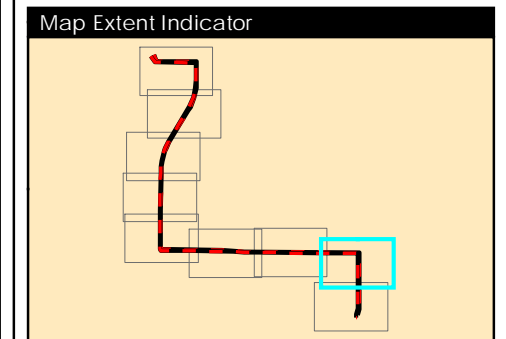
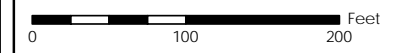
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Riverside Transmission  
Reliability Project  
Proposed Underground Alignment  
Work Areas and GDAD Map (2 of 9)

Legend

-  Vault
-  Proposed Underground Alignment
-  Vault Work Area
-  Underground Alignment GDAD
-  Duct Bank Work Area



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Aerial Imagery: 6/14/2016  
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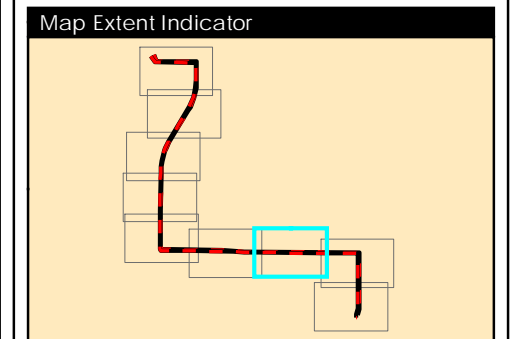
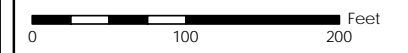
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



Riverside Transmission Reliability Project  
 Proposed Underground Alignment Work Areas and GDAD Map (3 of 9)

Legend

-  Vault
-  Proposed Underground Alignment
-  Vault Work Area
-  Underground Alignment GDAD
-  Duct Bank Work Area








Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

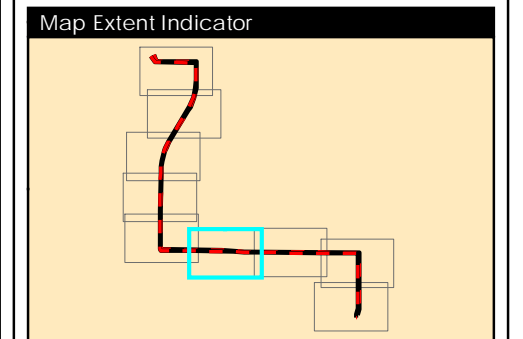
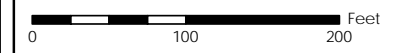
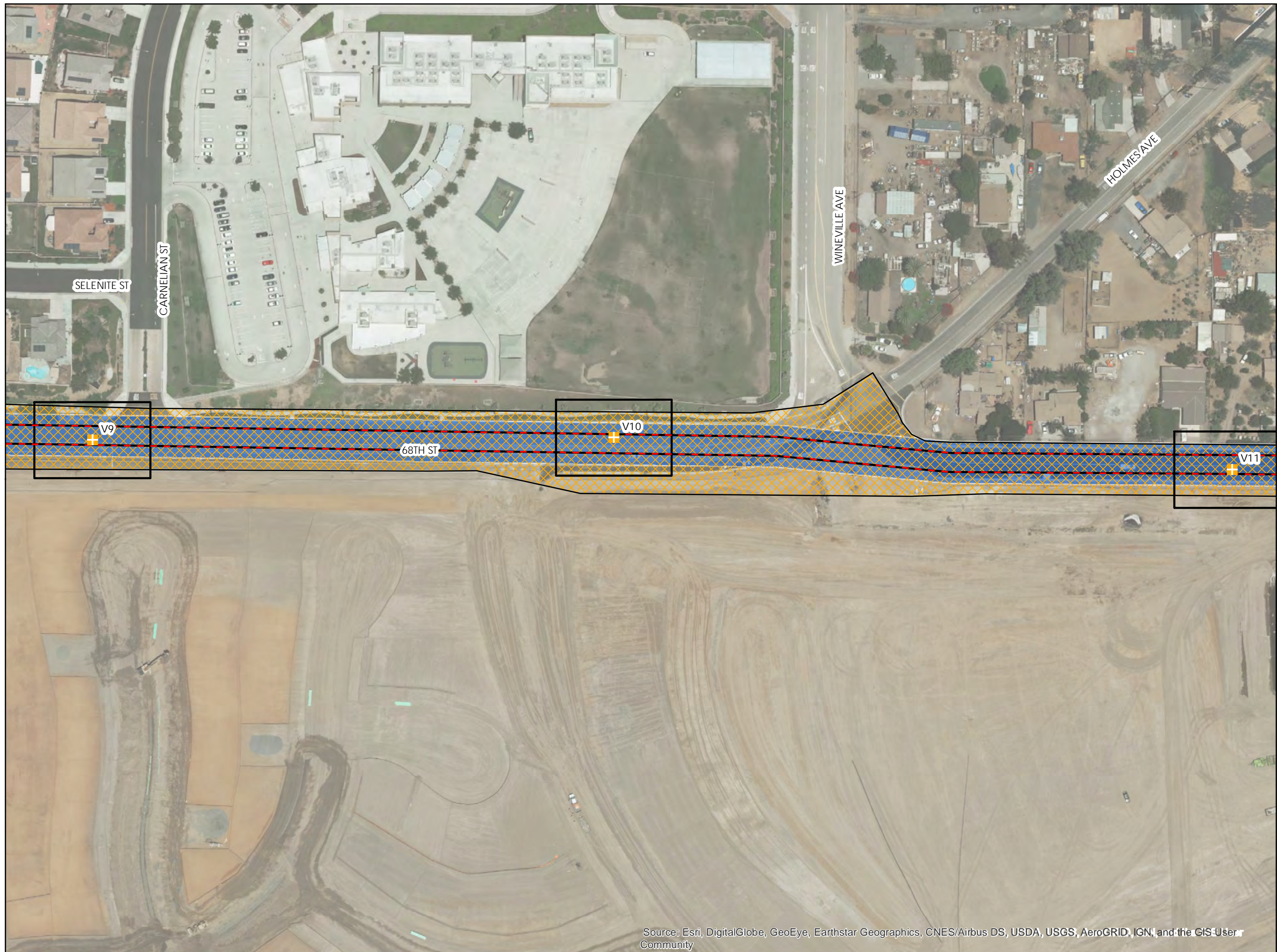
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Riverside Transmission Reliability Project  
 Proposed Underground Alignment Work Areas and GDAD Map (4 of 9)

Legend

-  Vault
-  Proposed Underground Alignment
-  Vault Work Area
-  Underground Alignment GDAD
-  Duct Bank Work Area








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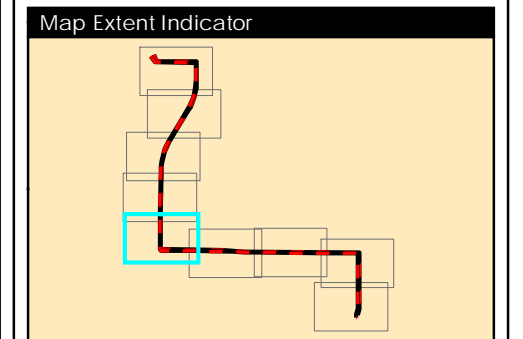
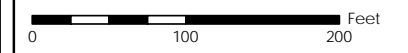
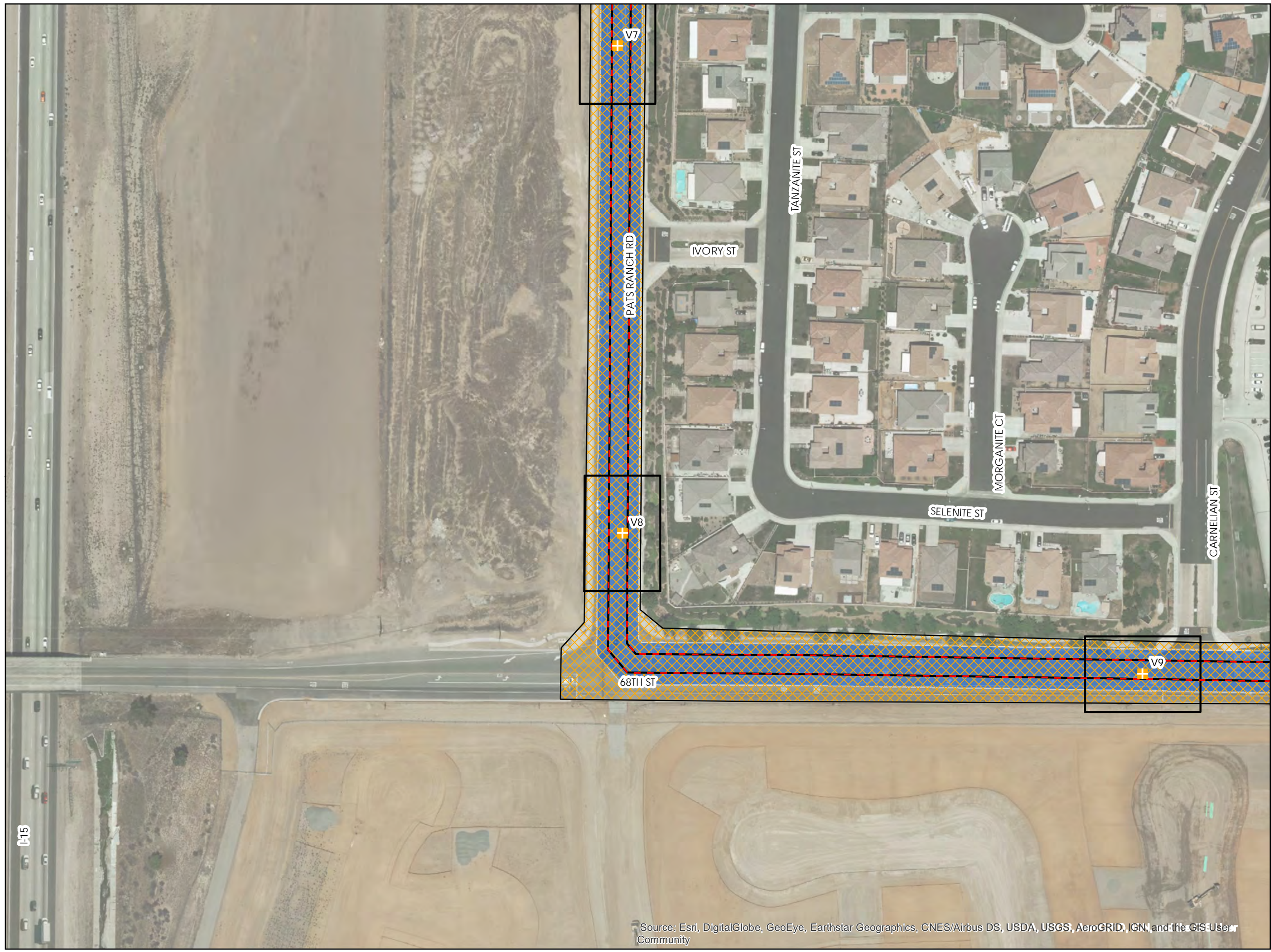




Riverside Transmission Reliability Project  
 Proposed Underground Alignment Work Areas and GDAD Map (5 of 9)

Legend

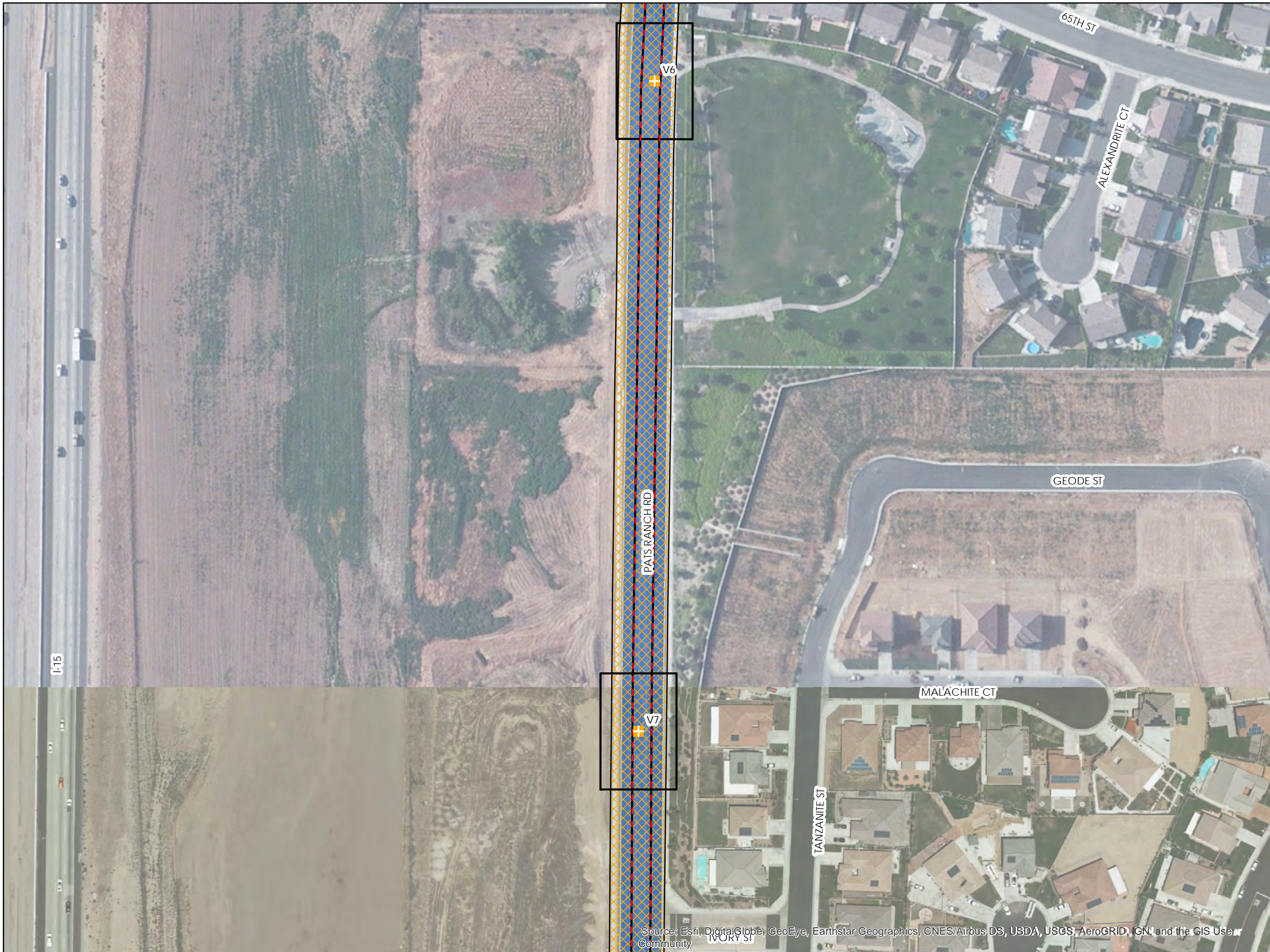
-  Vault
-  Proposed Underground Alignment
-  Vault Work Area
-  Underground Alignment GDAD
-  Duct Bank Work Area



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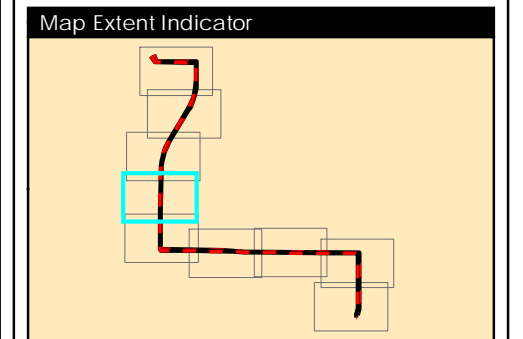


Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



Riverside Transmission Reliability Project  
 Proposed Underground Alignment Work Areas and GDAD Map (6 of 9)

- Legend**
- Vault
  - Proposed Underground Alignment
  - Vault Work Area
  - Underground Alignment GDAD
  - Duct Bank Work Area








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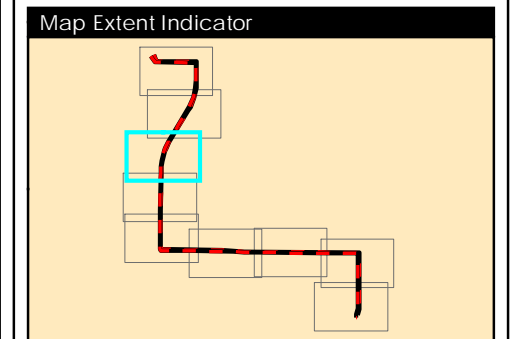
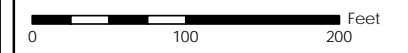
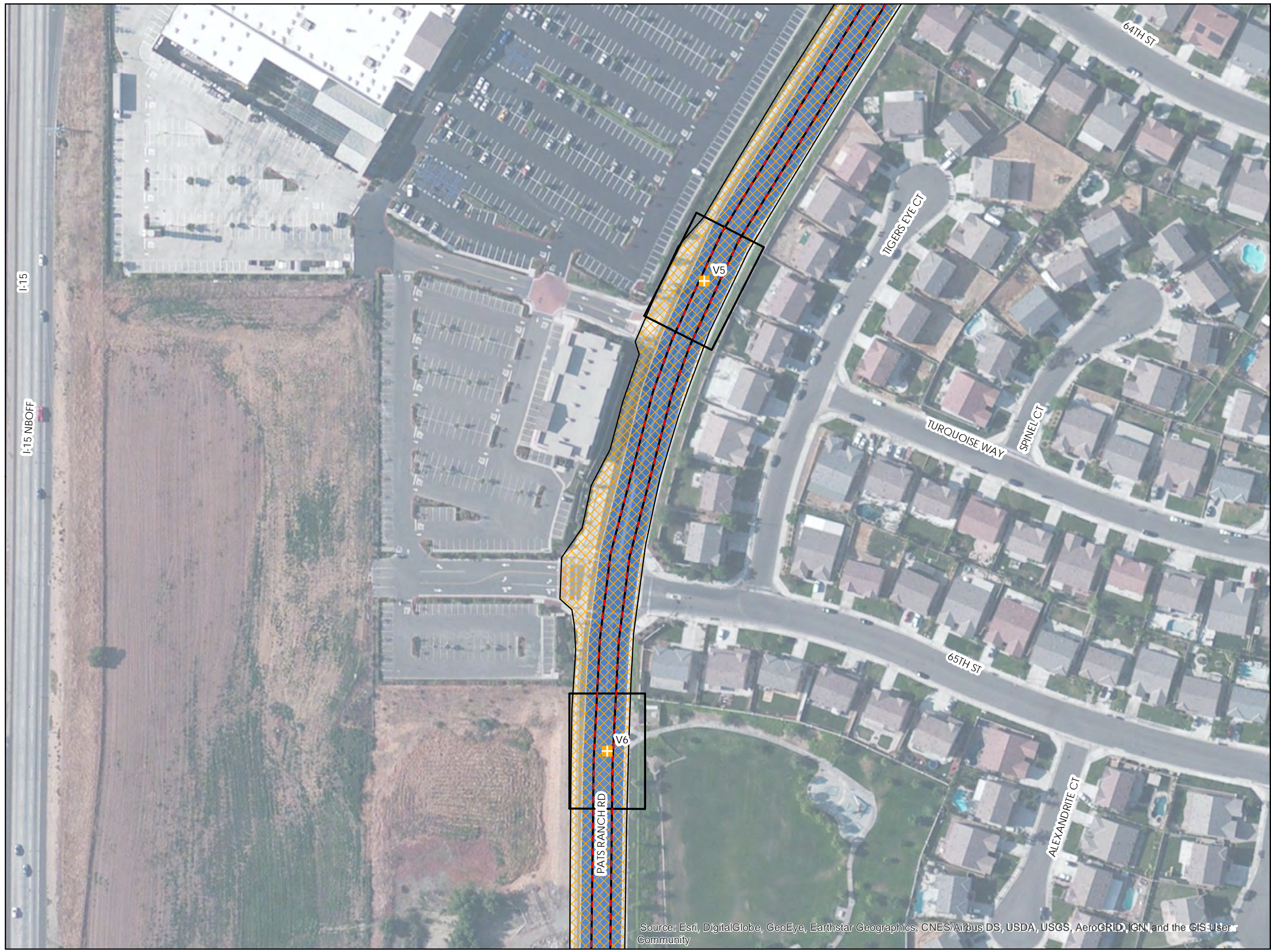


Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Riverside Transmission Reliability Project  
 Proposed Underground Alignment Work Areas and GDAD Map (7 of 9)

Legend

-  Vault
-  Proposed Underground Alignment
-  Vault Work Area
-  Underground Alignment GDAD
-  Duct Bank Work Area








Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

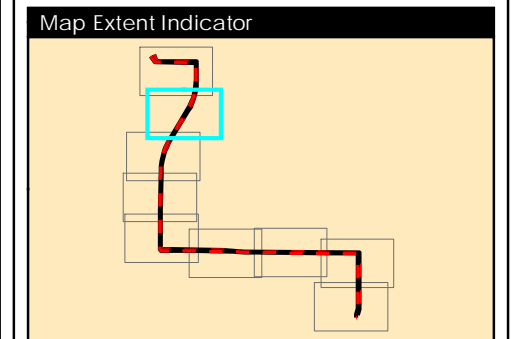
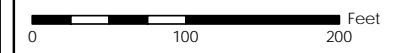
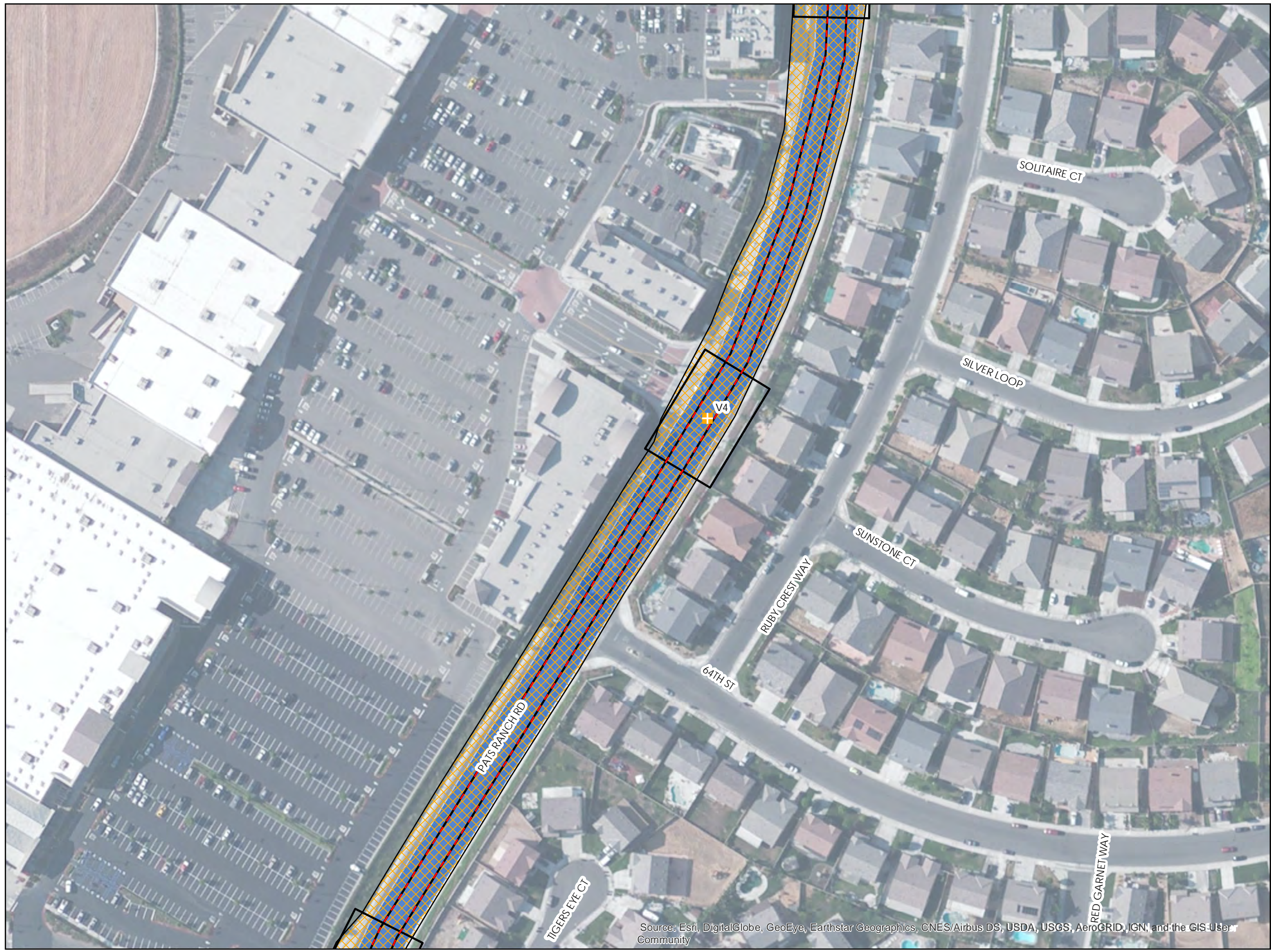
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Riverside Transmission Reliability Project  
 Proposed Underground Alignment Work Areas and GDAD Map (8 of 9)

Legend

-  Vault
-  Proposed Underground Alignment
-  Vault Work Area
-  Underground Alignment GDAD
-  Duct Bank Work Area








Scale = 1:1,500  
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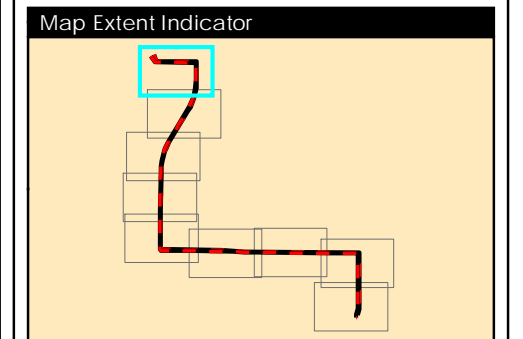
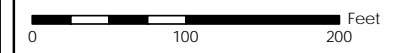
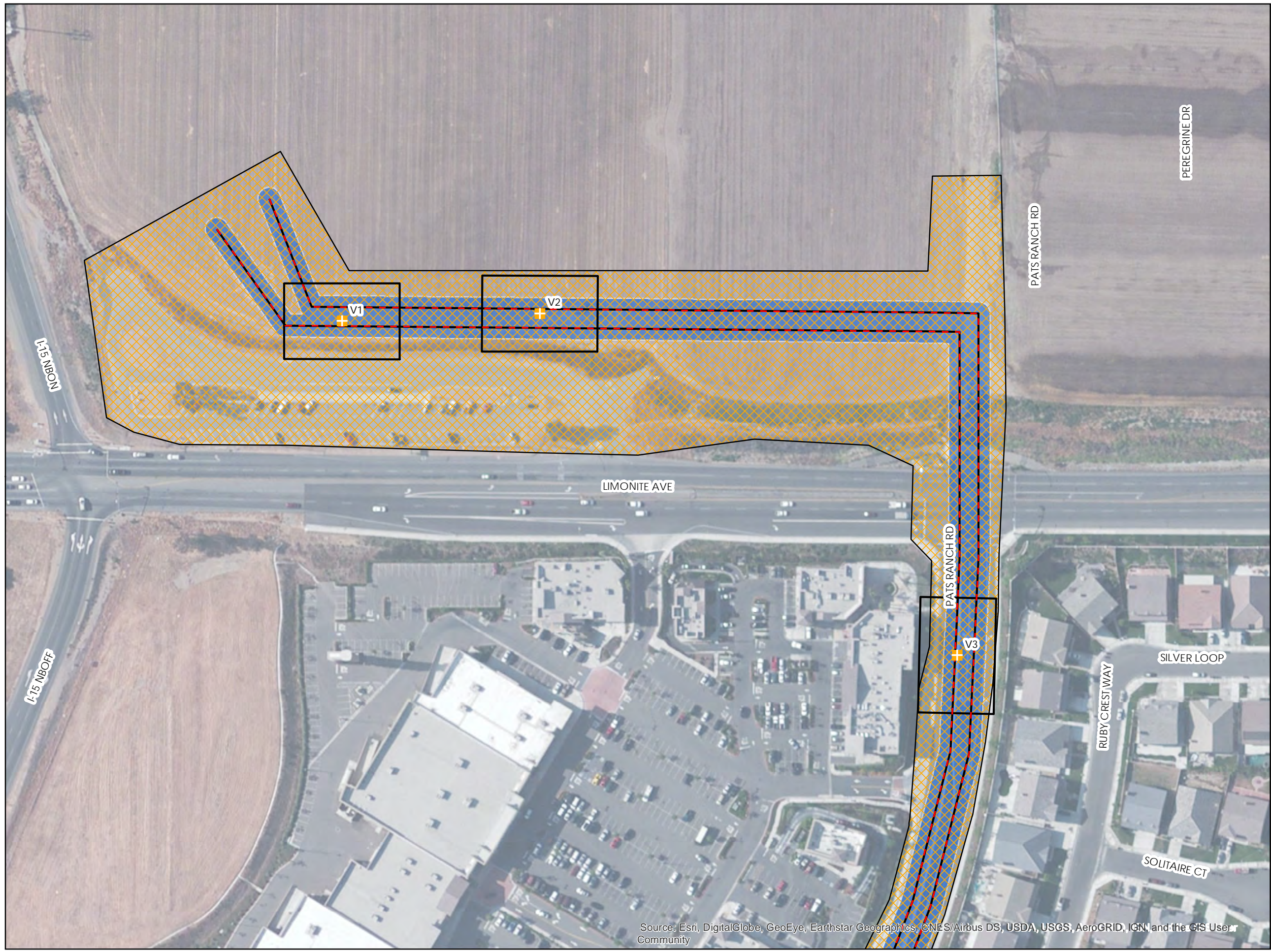


Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Riverside Transmission Reliability Project  
 Proposed Underground Alignment Work Areas and GDAD Map (9 of 9)

Legend

-  Vault
-  Proposed Underground Alignment
-  Vault Work Area
-  Underground Alignment GDAD
-  Duct Bank Work Area



Scale = 1:1,500  
 Aerial Imagery: 6/14/2016  
 Date Created: 7/7/2017



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community