

## APPENDIX E: DETAILED ALTERNATIVE ROUTE MAPS

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## DETAILED ALTERNATIVE ROUTE MAPS

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ALTERNATIVE 1 DETAIL MAP

ALTERNATIVE 2A DETAIL MAP

ALTERNATIVE 2B DETAIL MAP

ALTERNATIVE 3 DETAIL MAPS

ALTERNATIVE 4 DETAIL MAPS

ALTERNATIVE 5 DETAIL MAPS

## APPENDIX E DETAILED ALTERNATIVE ROUTE MAPS

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## APPENDIX E DETAILED ALTERNATIVE ROUTE MAPS

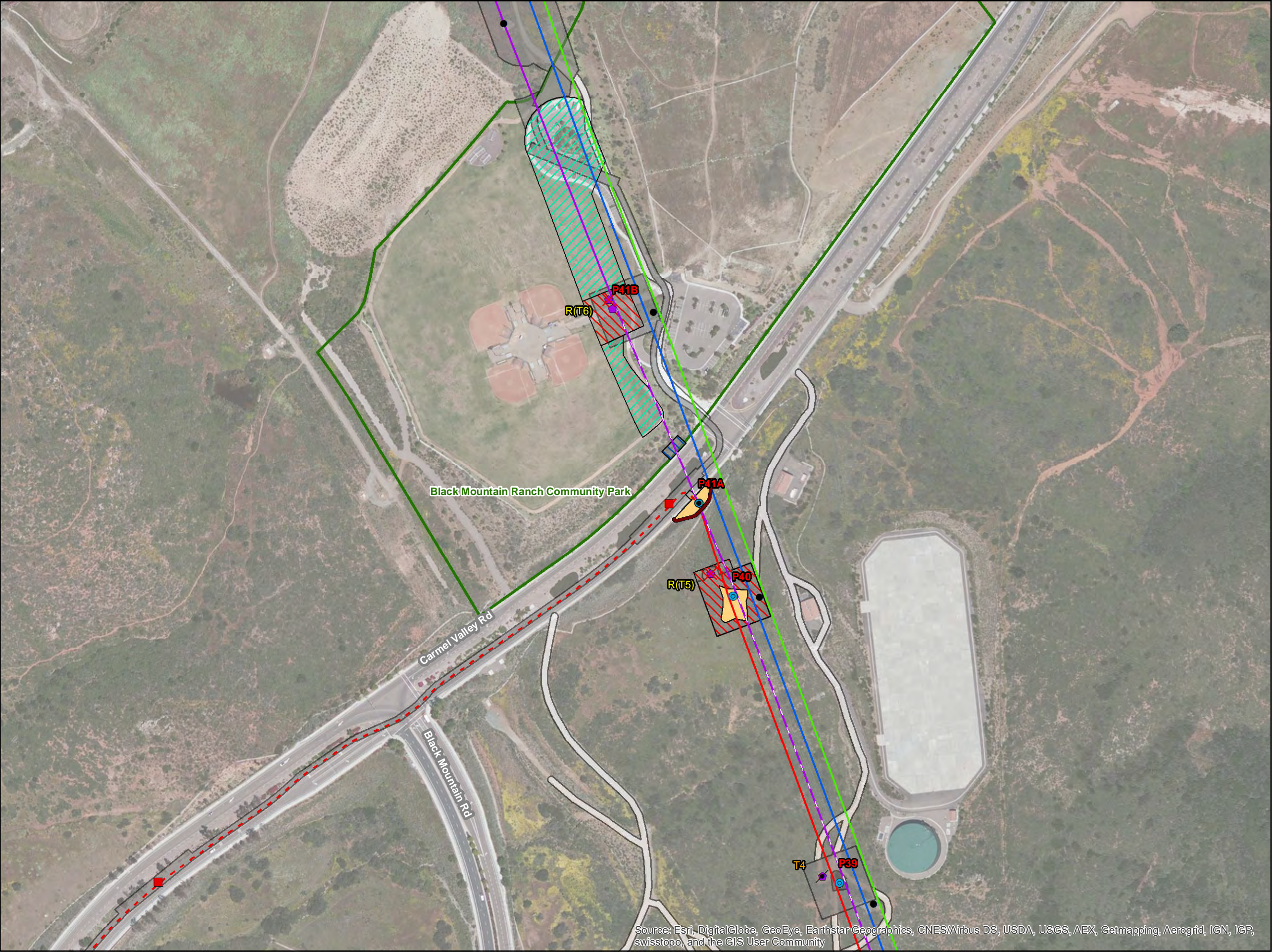
### ALTERNATIVE 1 DETAIL MAP

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## APPENDIX E DETAILED ALTERNATIVE ROUTE MAPS

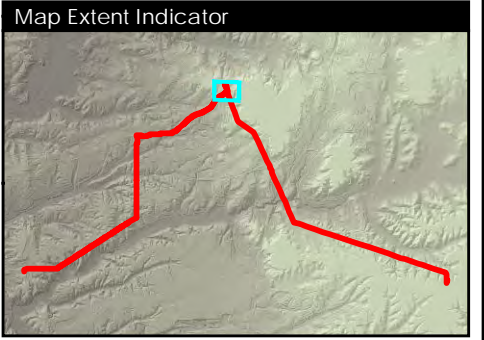
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Sycamore-Peñasquitos 230-kV Transmission Line Project  
Figure E-1: Alternative 1 Detail  
(Map 1 of 1)

- Legend
- Proposed Structures**
- 230-kV Steel Cable Pole (Dead End)
  - 230-kV Tubular Steel Pole (Tangent)
  - 138-kV Steel H-Frame (Dead End)
  - Splice Vault
  - Retaining Wall
- Existing Structures (To)**
- (Structure Not Part of Project)
  - 138-kV Wood H-Frame
  - 138-kV Steel H-Frame
- Transmission Lines**
- 230-kV (Proposed Overhead)
  - 230-kV (Proposed Underground)
  - 230-kV (Existing Overhead)
- Power Lines**
- 138-kV (Existing Overhead)
  - 138-kV (Relocated Overhead)
  - 69-kV (Existing Overhead)
- Alternative 1 Work**
- Structure Pad
  - Structure Installation/Removal
  - Stringing Site
  - Guard Structure
  - Underground Construction
- Proposed Project Work**
- Permenant Structure Pad
  - Temporary Work Area
  - Access Road
- Park Boundary**
- Black Mountain Ranch Community Park







APPENDIX E  
DETAILED ALTERNATIVE ROUTE MAPS

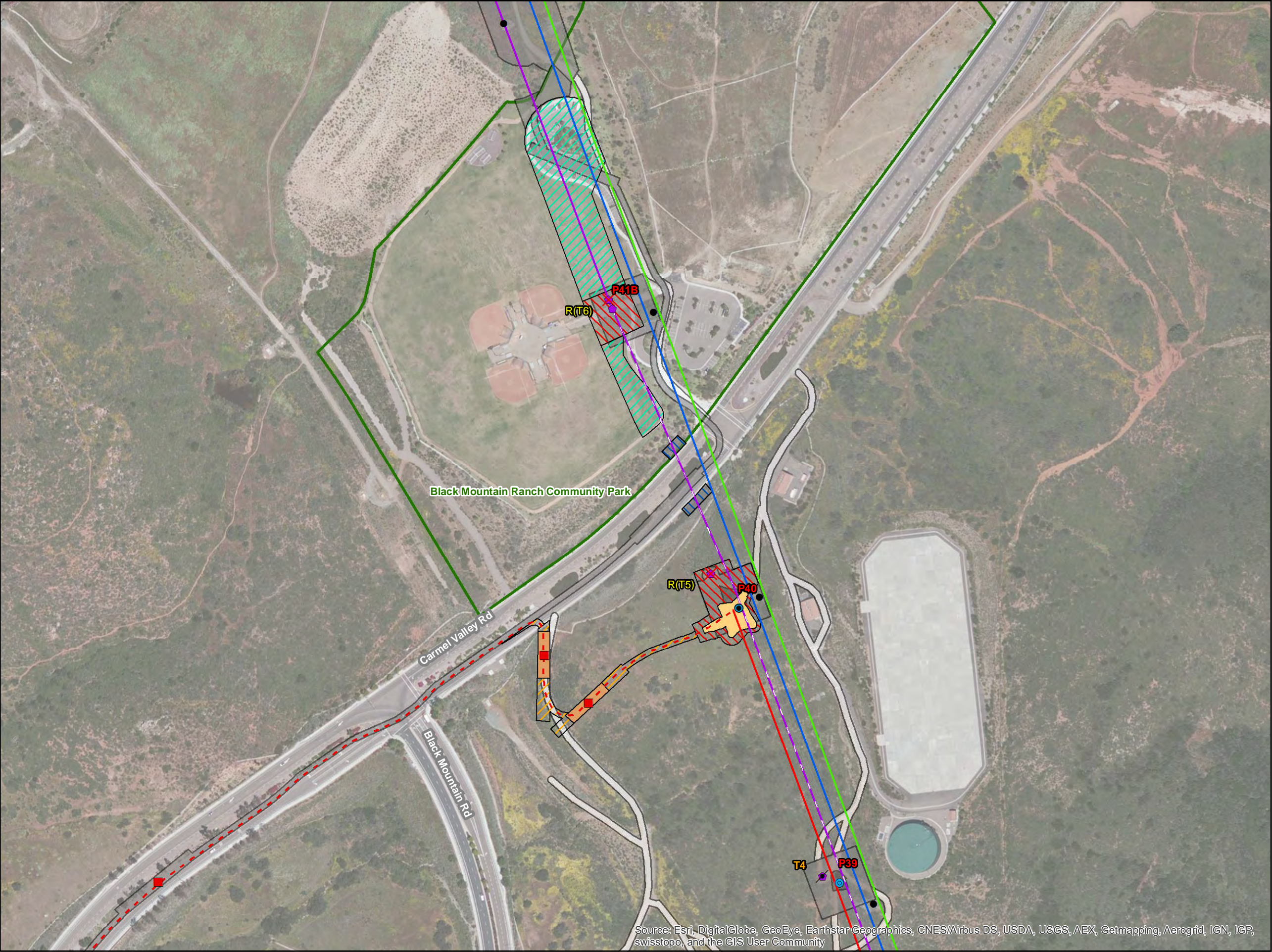
**ALTERNATIVE 2A DETAIL MAP**

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## APPENDIX E DETAILED ALTERNATIVE ROUTE MAPS

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Sycamore-Peñasquitos 230-kV Transmission Line Project

Figure E-2: Alternative 2A Detail (Map 1 of 1)

**Legend**

**Proposed Structures**

- 230-kV Steel Cable Pole (Dead End)
- 230-kV Tubular Steel Pole (Tangent)
- 138-kV Steel H-Frame (Dead End)
- Splice Vault

**Existing Structures (To**

- (Structure Not Part of Project)

**Existing Structures (To**

- 138-kV Wood H-Frame

**Existing Structures (To**

- 138-kV Steel H-Frame

**Transmission Lines**

- 230-kV (Proposed Overhead)
- 230-kV (Proposed Underground)
- 230-kV (Existing Overhead)

**Power Lines**

- 138-kV (Existing Overhead)
- 138-kV (Relocated Overhead)
- 69-kV (Existing Overhead)

**Alternative 2A Work**

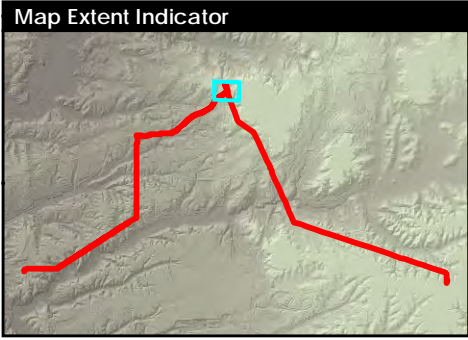
- Structure Pad
- Manhole Pad
- Structure Installation/Removal
- Stringing Site
- Guard Structure
- Underground Construction

**Proposed Project Work**

- Permenant Structure Pad
- Temporary Work Area
- Access Road

**Park Boundary**

- Black Mountain Ranch Community Park



Scale = 1:3,000

0 100 200 Feet

Aerial Imagery: 5/30/2014

Date Created: 9/3/2015

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APPENDIX E  
DETAILED ALTERNATIVE ROUTE MAPS

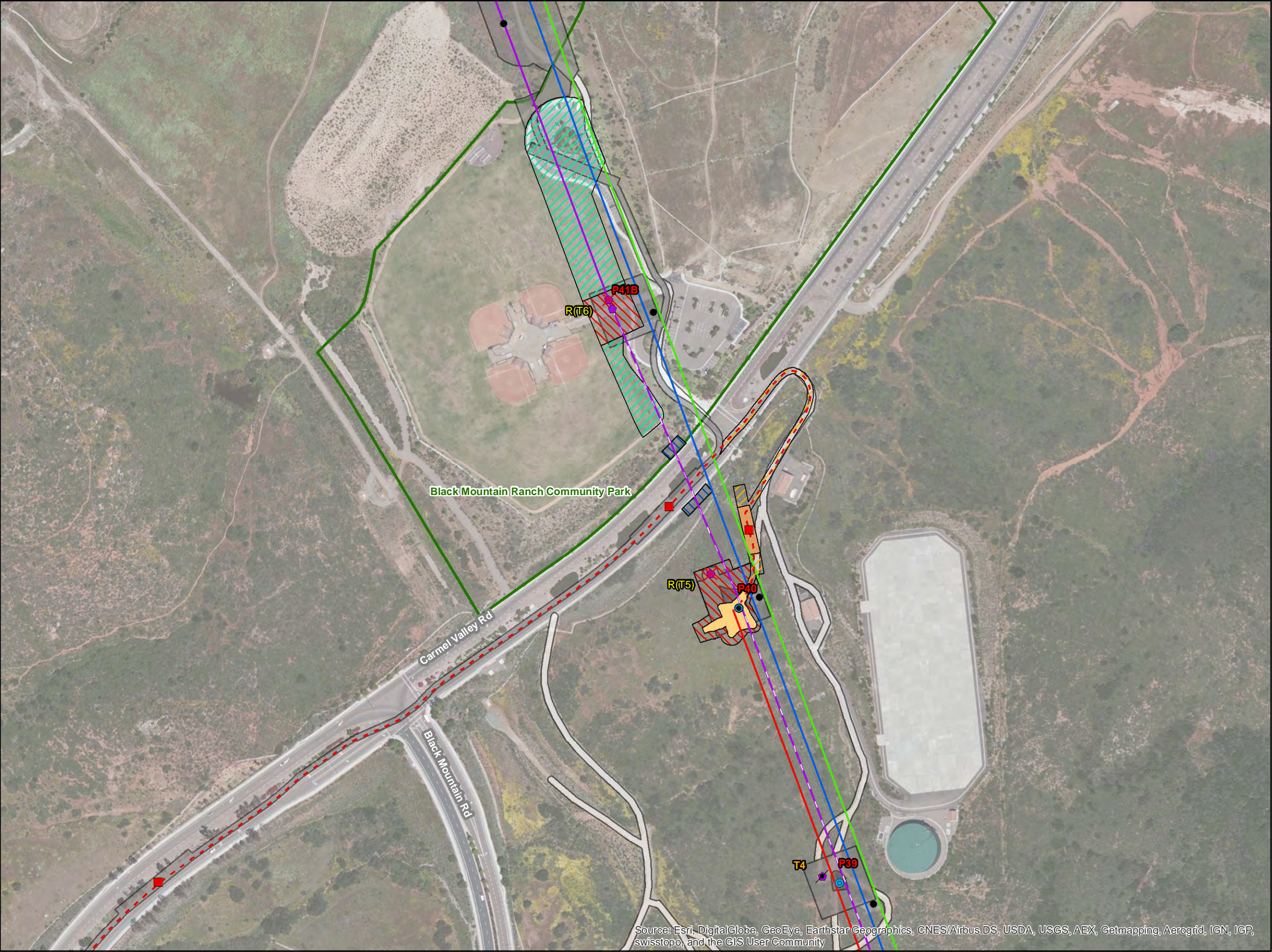
**ALTERNATIVE 2B DETAIL MAP**

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## APPENDIX E DETAILED ALTERNATIVE ROUTE MAPS

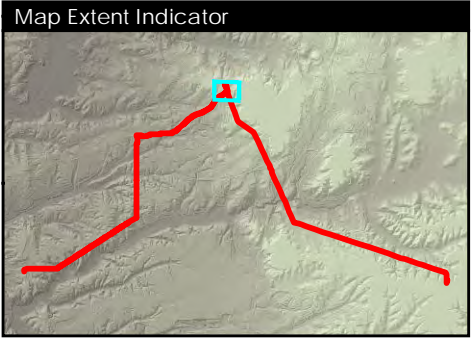
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Sycamore-Peñasquitos 230-kV  
Transmission Line Project  
Figure E-3: Alternative 2B Detail  
(Map 1 of 1)

- Legend
- Proposed Structures
- 230-kV Steel Cable Pole (Dead End)
  - 230-kV Tubular Steel Pole (Tangent)
  - 138-kV Steel H-Frame (Dead End)
  - Splice Vault
- Existing Structures (To
- (Structure Not Part of Project)
- Existing Structures (To
- 138-kV Wood H-Frame
- Existing Structures (To Top)
- 138-kV Steel H-Frame
- Transmission Lines
- 230-kV (Proposed Overhead)
  - 230-kV (Proposed Underground)
  - 230-kV (Existing Overhead)
- Power Lines
- 138-kV (Existing Overhead)
  - 138-kV (Relocated Overhead)
  - 69-kV (Existing Overhead)
- Alternative 2B Work Areas
- Structure Pad
  - Manhole Pad
  - Structure Installation/Removal
  - Stringing Site
  - Guard Structure
  - Underground Construction
- Proposed Project Work
- Permenant Structure Pad
  - Temporary Work Area
  - Access Road
- Park Boundary
- Black Mountain Ranch Community Park



Scale = 1:3,000  
0 100 200 Feet  
Aerial Imagery: 5/30/2014  
Date Created: 9/3/2015  
PANORAMA

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





APPENDIX E  
DETAILED ALTERNATIVE ROUTE MAPS

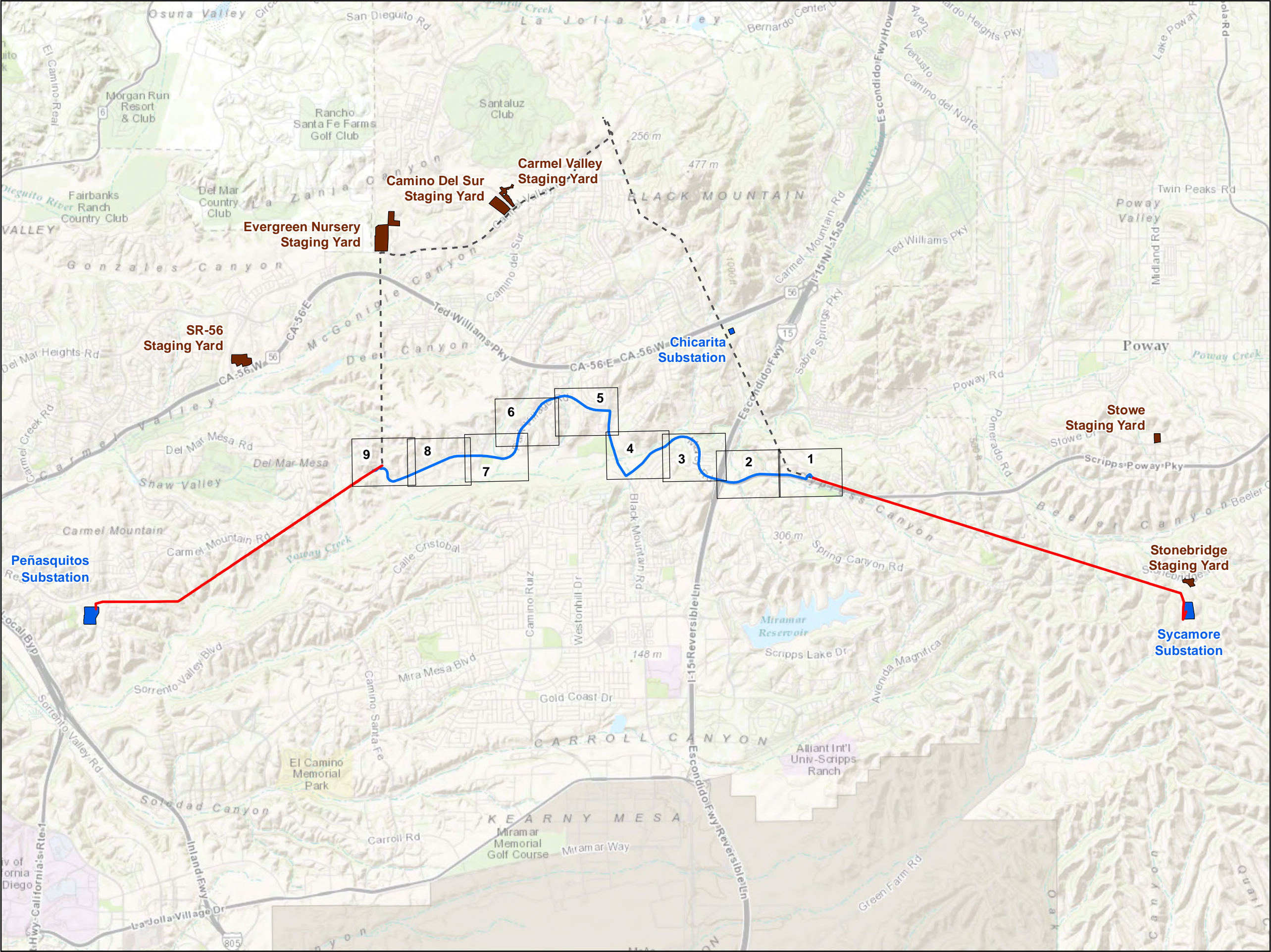
**ALTERNATIVE 3 DETAIL MAPS**

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## APPENDIX E DETAILED ALTERNATIVE ROUTE MAPS

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### Sycamore-Peñasquitos 230-kV Transmission Line Project

Figure E-4: Alternative 3 Detail (Overview)

**Legend**

- Alternative 3 Alignment
- Proposed Project Alignment
- Proposed Project Alignment Avoided
- Substation
- Staging Yard
- Map Frame

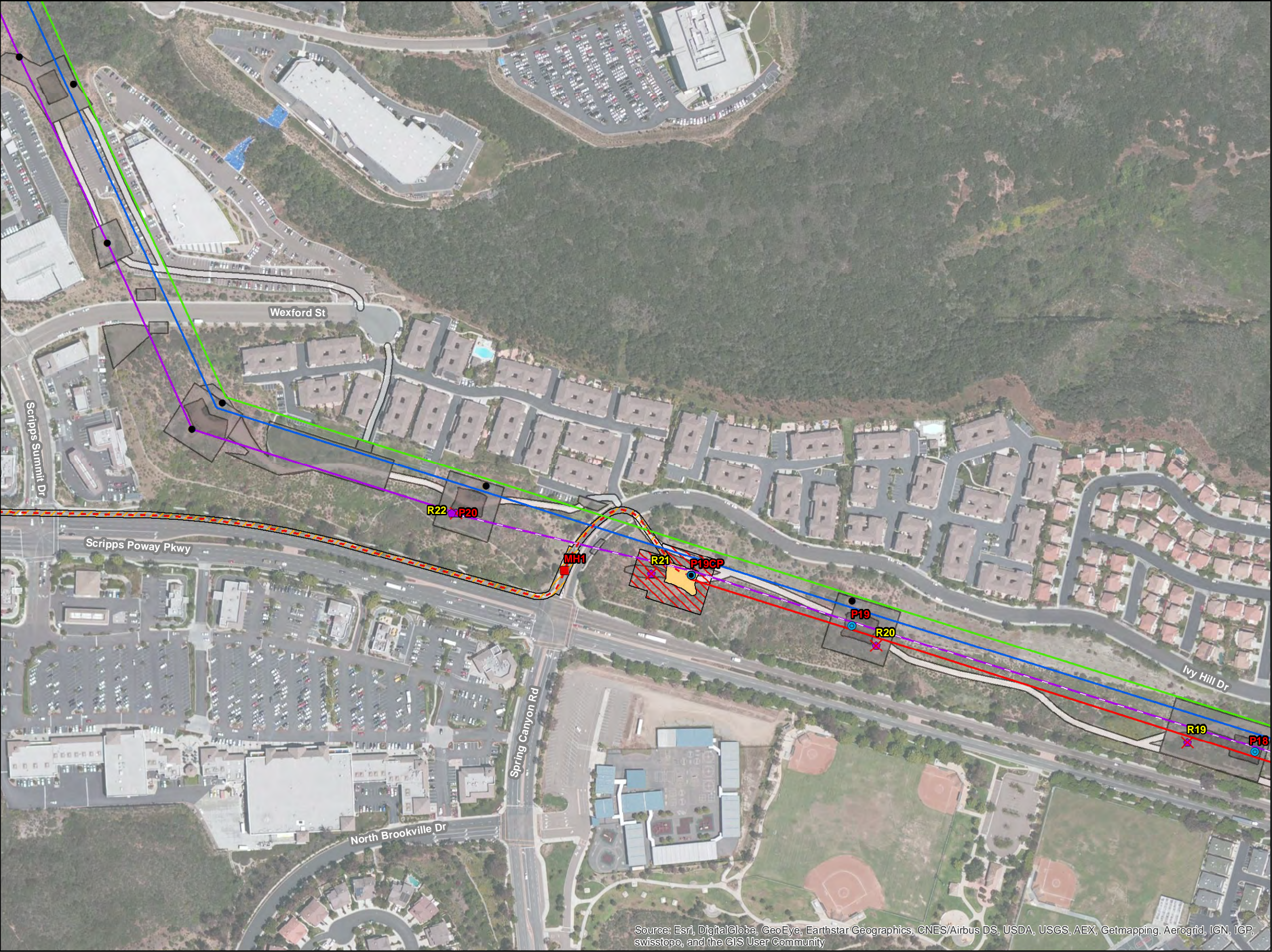
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Date Created: 9/3/2015

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Sycamore-Peñasquitos 230-kV Transmission Line Project

Figure E-4: Alternative 3 Detail (Map 1 of 9)

Legend

**Proposed Structures**

- 230-kV Steel Cable Pole (Dead End)
- 230-kV Tubular Steel Pole (Tangent)
- 138-kV Steel H-Frame (Dead End)
- Splice Vault

**Existing Structures (To)**

- (Structure Not Part of Project)
- 138-kV Wood H-Frame

**Transmission Lines**

- 230-kV (Proposed Overhead)
- 230-kV (Proposed Underground)
- 230-kV (Existing Overhead)

**Power Lines**

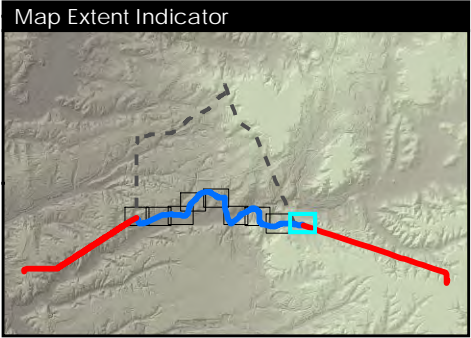
- 138-kV (Existing Overhead)
- 138-kV (Relocated Overhead)
- 69-kV (Existing Overhead)

**Alternative 3 Work**

- Structure Pad
- Structure Installation/Removal
- Underground Construction

**Proposed Project Work**

- Permanent Structure Pad
- Temporary Work Area
- Access Road



Scale = 1:3,000

0 100 200 Feet

Aerial Imagery: 5/30/2014

Date Created: 9/3/2015

PANORAMA

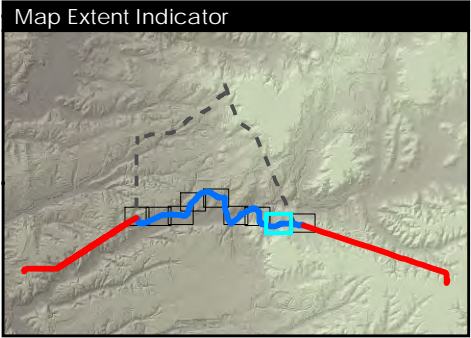
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Sycamore-Peñasquitos 230-kV  
Transmission Line Project  
Figure E-4: Alternative 3 Detail  
(Map 2 of 9)

- Legend
- Splice Vault
  - Existing Structures (To (Structure Not Part of Project)
  - Transmission Lines
    - - 230-kV (Proposed Underground)
  - Power Lines
    - 138-kV (Existing Overhead)
  - Alternative 3 Work
    - ▨ Underground Construction
  - Proposed Project Work
    - Temporary Work Area
    - Access Road



Scale = 1:3,000  
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Aerial Imagery: 5/30/2014  
Date Created: 9/3/2015



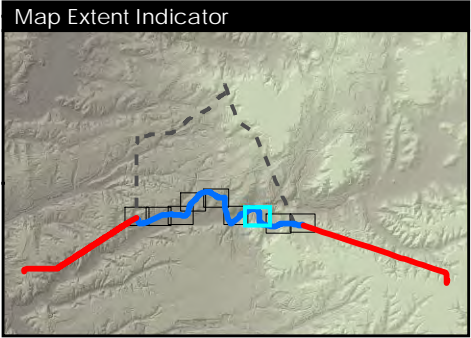
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Sycamore-Peñasquitos 230-kV Transmission Line Project  
Figure E-4: Alternative 3 Detail  
(Map 3 of 9)

- Legend
- Splice Vault
  - Transmission Lines
    - 230-kV (Proposed Underground)
  - Alternative 3 Work Areas
    - Underground Line Construction
  - Proposed Project Work Areas
    - Access Road



Scale = 1:3,000  
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Aerial Imagery: 5/30/2014  
Date Created: 9/3/2015



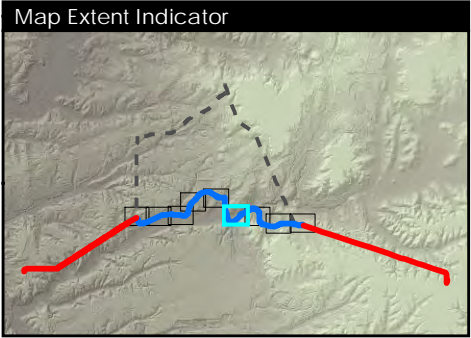
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Sycamore-Peñasquitos 230-kV  
Transmission Line Project  
Figure E-4: Alternative 3 Detail  
(Map 4 of 9)

- Legend
- Splice Vault
  - Transmission Lines
    - - 230-kV (Proposed Underground)
  - Alternative 3 Work Areas
    - ▨ Underground Construction



Scale = 1:3,000

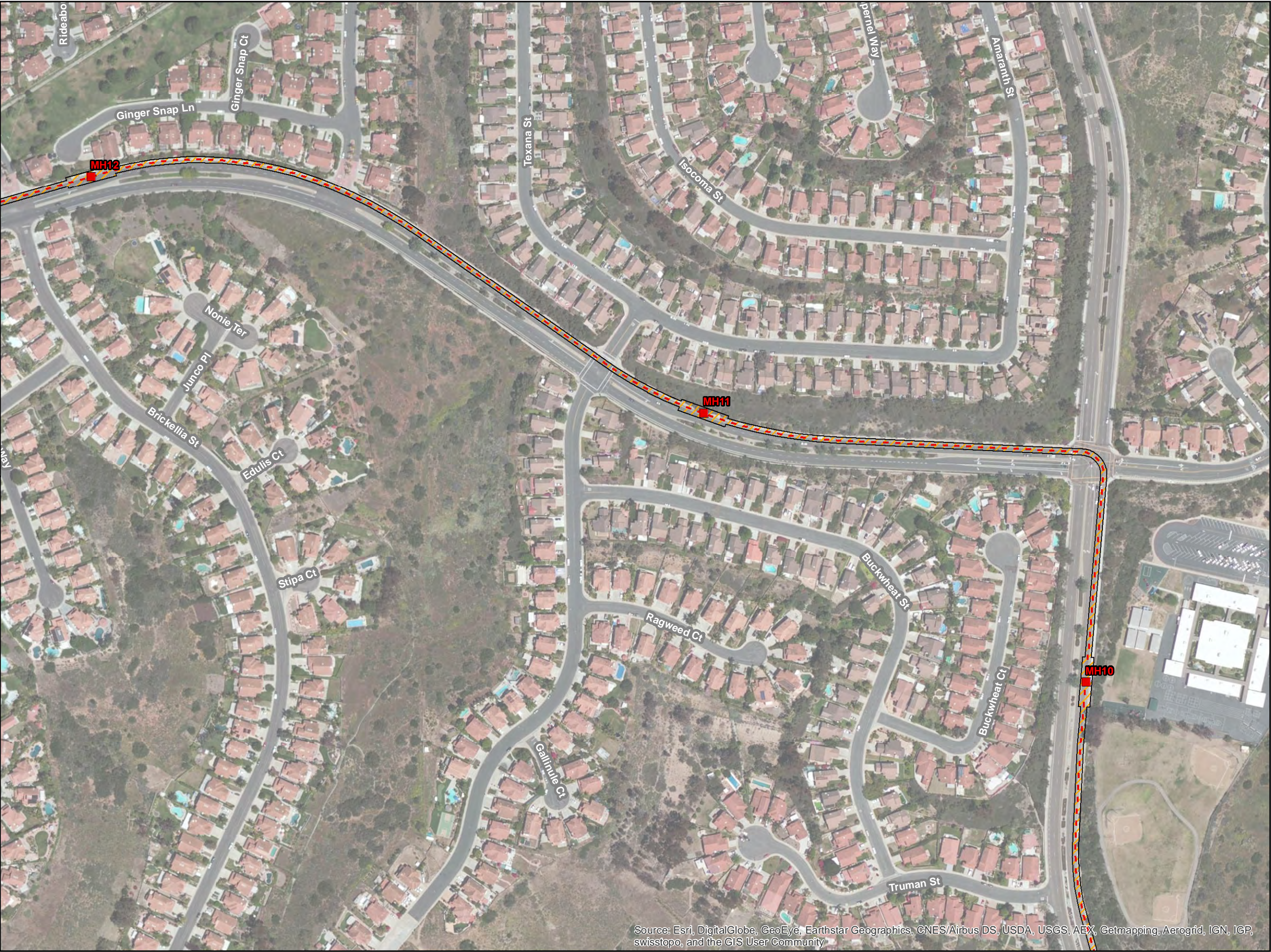
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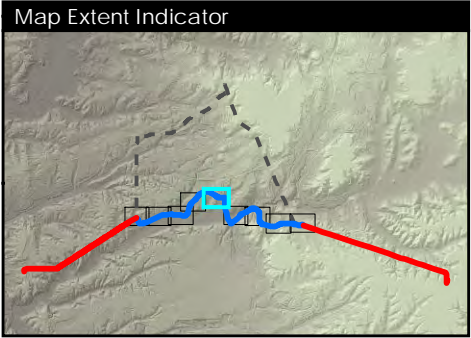
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Sycamore-Peñasquitos 230-kV  
Transmission Line Project  
Figure E-4: Alternative 3 Detail  
(Map 5 of 9)

- Legend
- Splice Vault
  - Transmission Lines
    - - 230-kV (Proposed Underground)
  - Alternative 3 Work Areas
    - Underground Construction

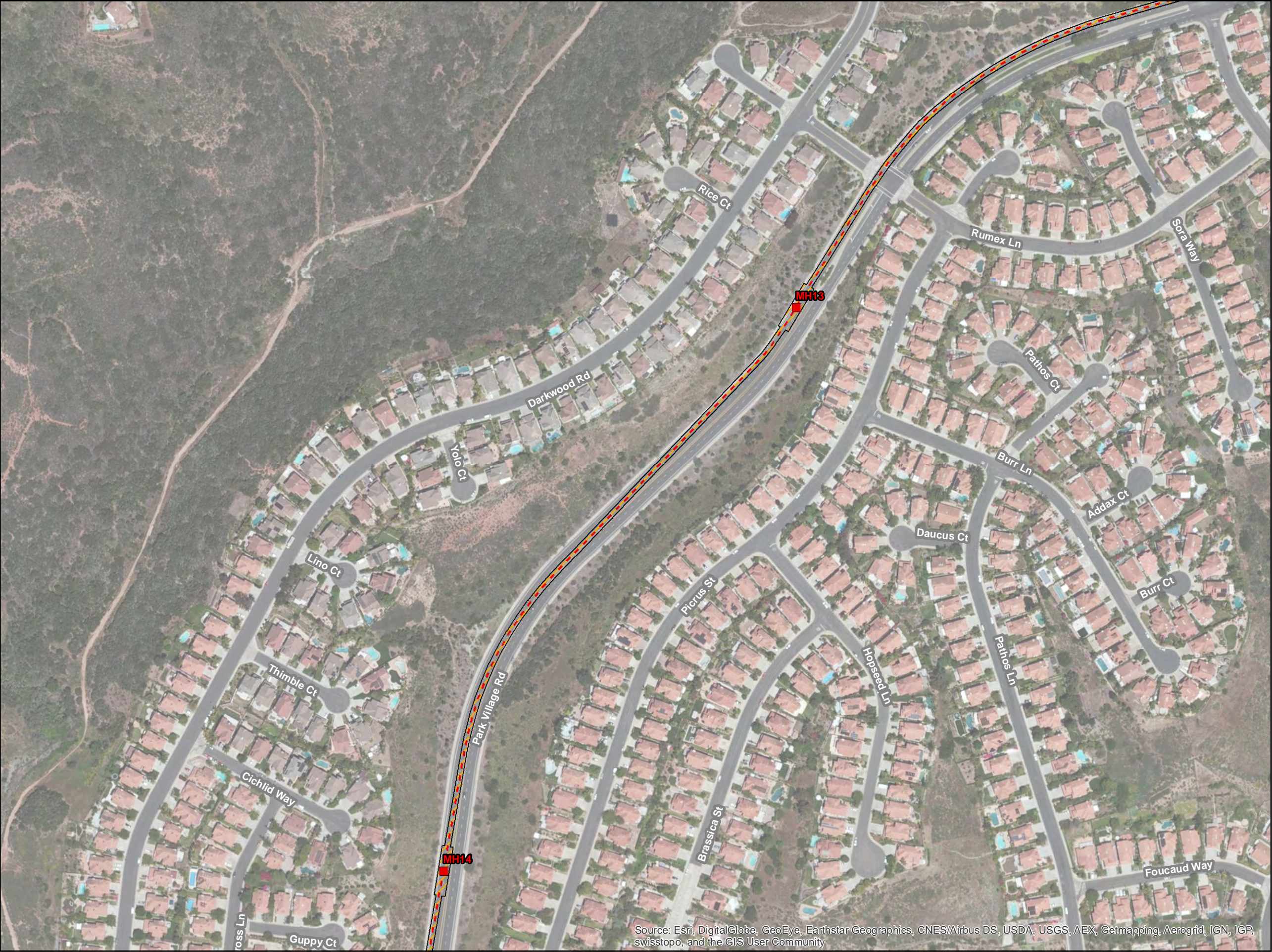


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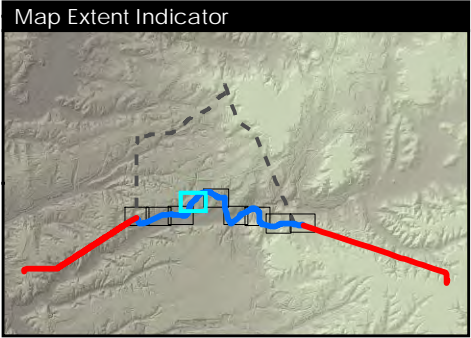
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community





Sycamore-Peñasquitos 230-kV  
Transmission Line Project  
Figure E-4: Alternative 3 Detail  
(Map 6 of 9)

- Legend
- Splice Vault
  - Transmission Lines
    - - 230-kV (Proposed Underground)
  - Alternative 3 Work Areas
    - ▨ Underground Construction



Scale = 1:3,000  
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Aerial Imagery: 5/30/2014  
Date Created: 9/3/2015

PANORAMA

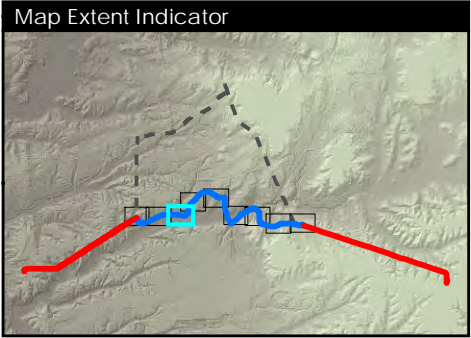
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community





Sycamore-Peñasquitos 230-kV  
Transmission Line Project  
Figure E-4: Alternative 3 Detail  
(Map 7 of 9)

- Legend
- Splice Vault
  - Transmission Lines
    - - 230-kV (Proposed Underground)
  - Alternative 3 Work Areas
    - Underground Construction

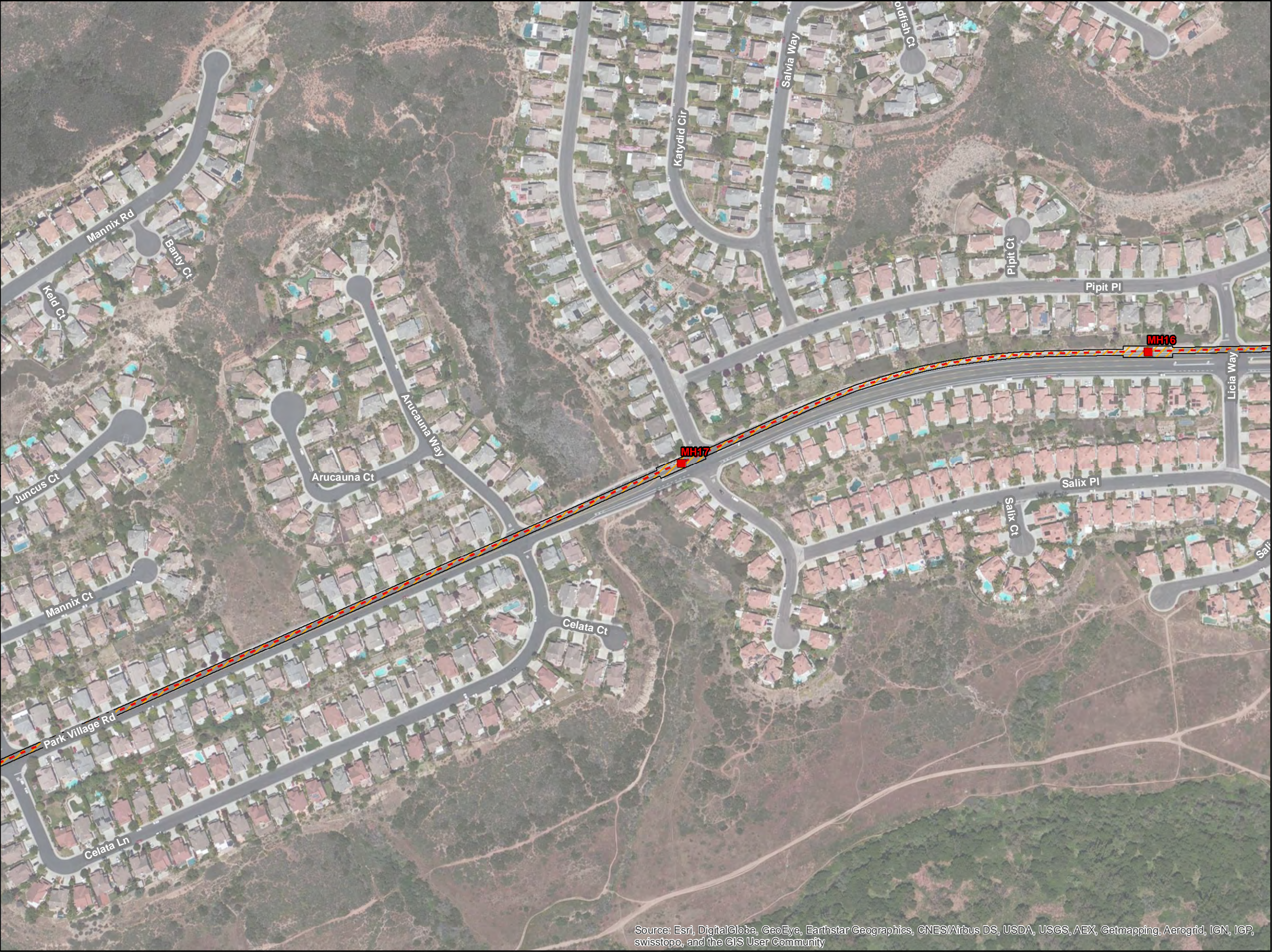


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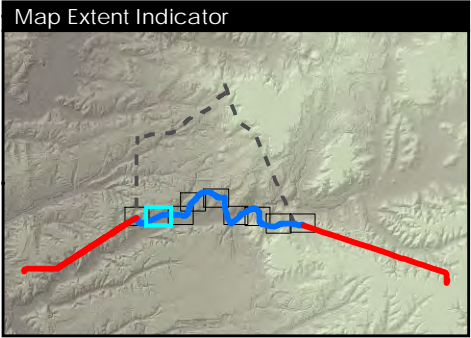
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Sycamore-Peñasquitos 230-kV  
Transmission Line Project  
Figure E-4: Alternative 3 Detail  
(Map 8 of 9)

- Legend
- Splice Vault
  - Transmission Lines
    - - 230-kV (Proposed Underground)
  - Alternative 3 Work Areas
    - Underground Construction

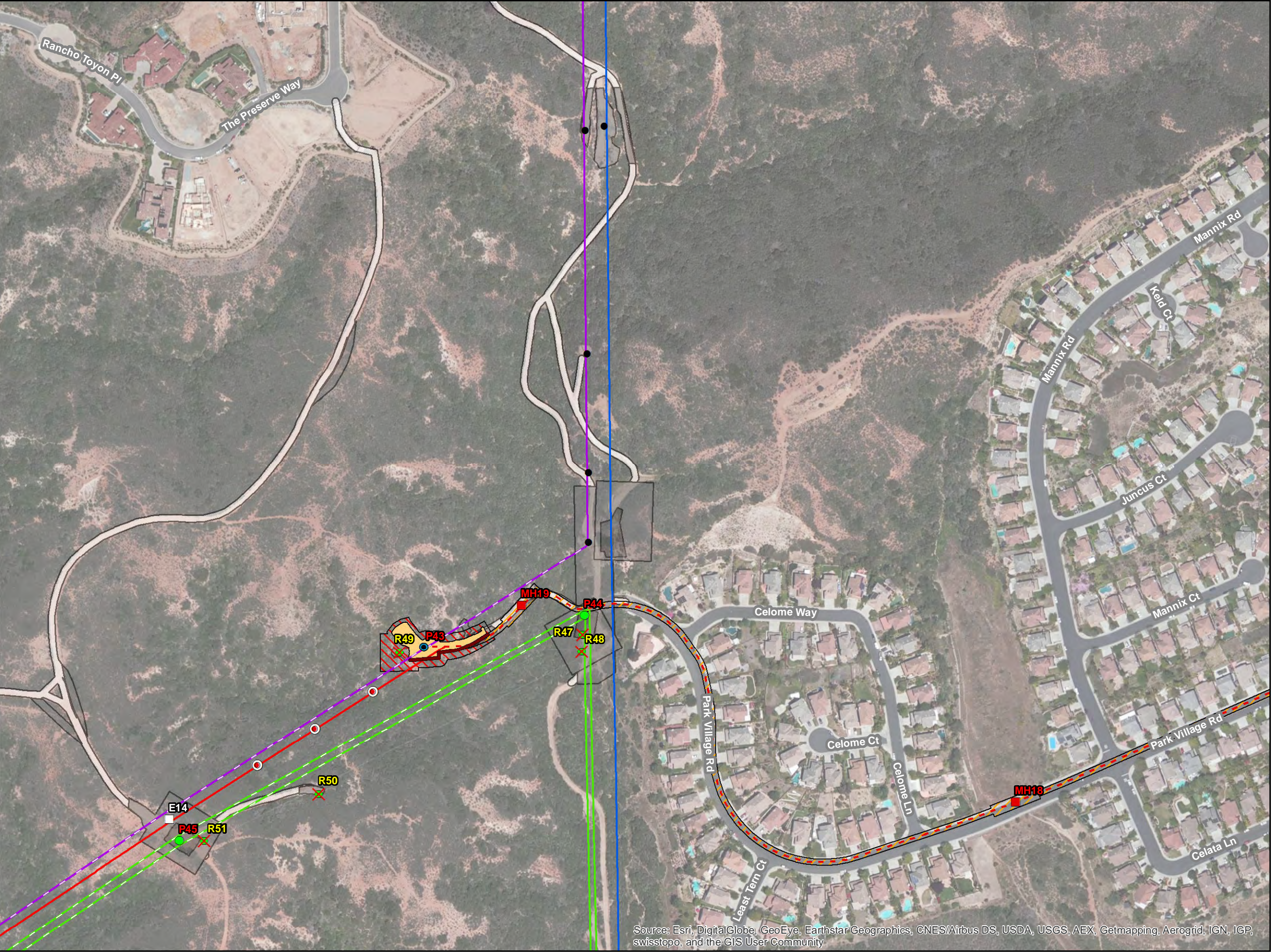


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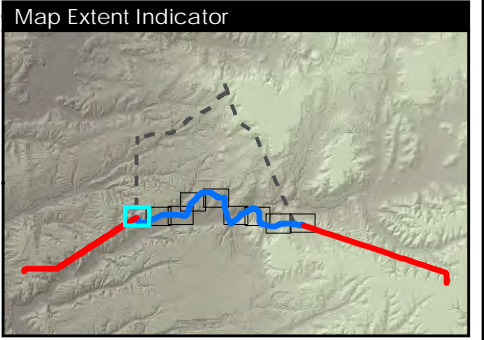
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Sycamore-Peñasquitos 230-kV Transmission Line Project  
Figure E-4: Alternative 3 Detail  
(Map 9 of 9)

- Legend
- Proposed Structures**
- 230-kV Steel Cable Pole (Dead End)
  - 69-kV Tubular Steel Pole (Dead End)
  - Preliminary Aviation Marker Balls
  - Splice Vault
  - Retaining Wall
- Existing Structures (To Remain)**
- 230-kV Steel Lattice Tower (Dead End)
  - (Structure Not Part of Project)
- Existing Structures (To Remove)**
- 69-kV Wood Monopole
- Transmission Lines**
- 230-kV (Proposed Overhead)
  - 230-kV (Proposed Underground)
  - 230-kV (Existing Overhead)
- Power Lines**
- 138-kV (Existing Overhead)
  - 138-kV (Relocated Overhead)
  - 69-kV (Existing Overhead)
  - 69-kV (Relocated Overhead)
- Alternative 3 Work Areas**
- Structure Pad
  - Structure Installation/Removal
  - Underground Construction
- Proposed Project Work Areas**
- Permenant Structure Pad
  - Temporary Work Area
  - Access Road



Scale = 1:3,000  
0 100 200 Feet  
Aerial Imagery: 5/30/2014  
Date Created: 9/3/2015  
PANORAMA

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



APPENDIX E  
DETAILED ALTERNATIVE ROUTE MAPS

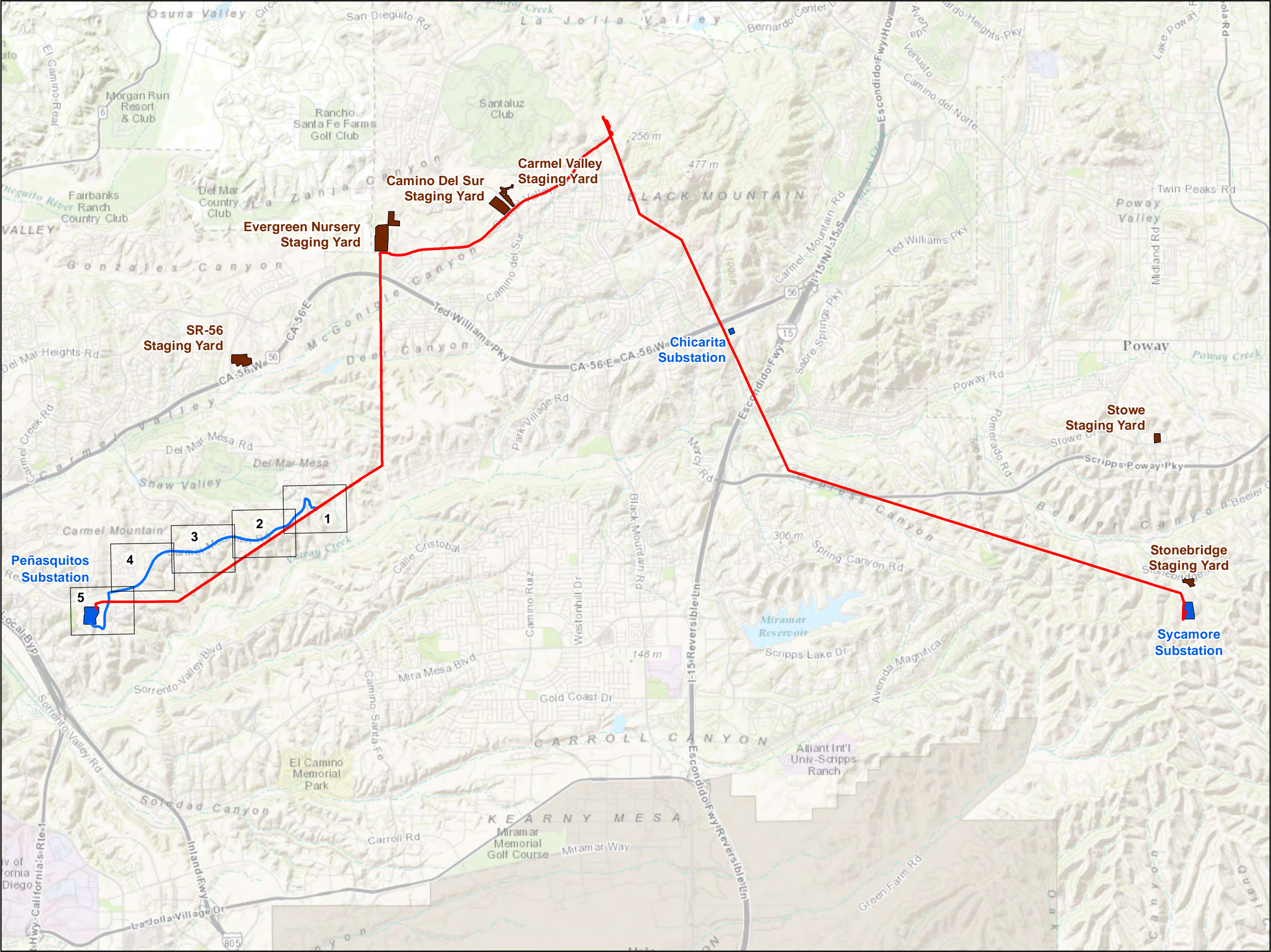
**ALTERNATIVE 4 DETAIL MAPS**

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## APPENDIX E DETAILED ALTERNATIVE ROUTE MAPS

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**Sycamore-Peñasquitos 230-kV Transmission Line Project**

Figure E-5: Alternative 4 Detail (Overview)

**Legend**

Proposed Project Alignment

Alternative 4 Alignment

Substation

Staging Yard

Map Frame

Scale = 1:60,000

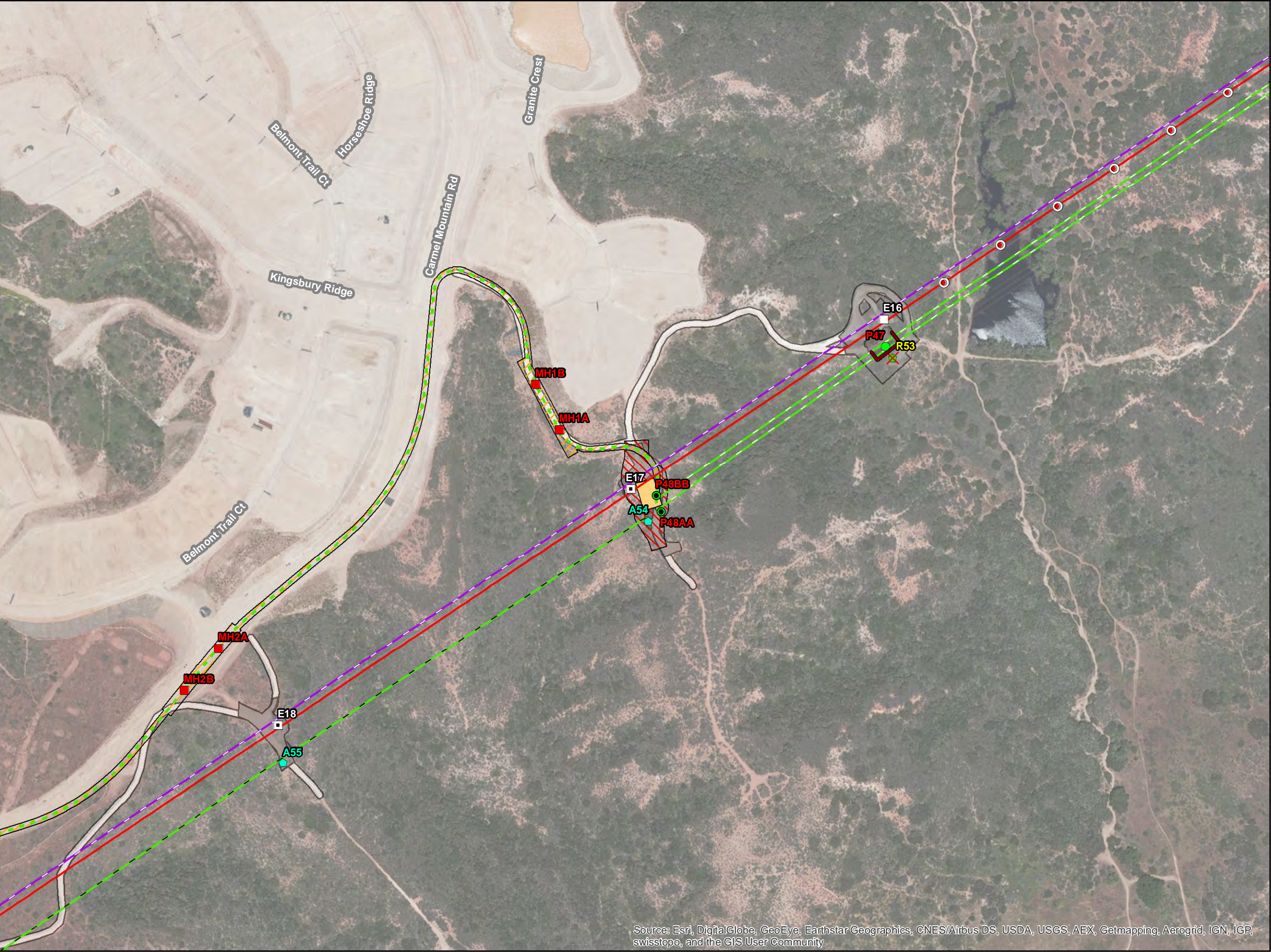
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Date Created: 9/3/2015

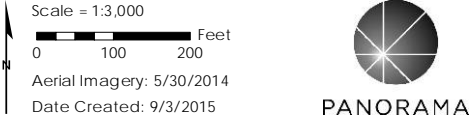
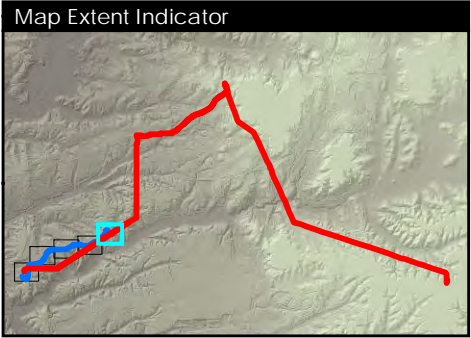
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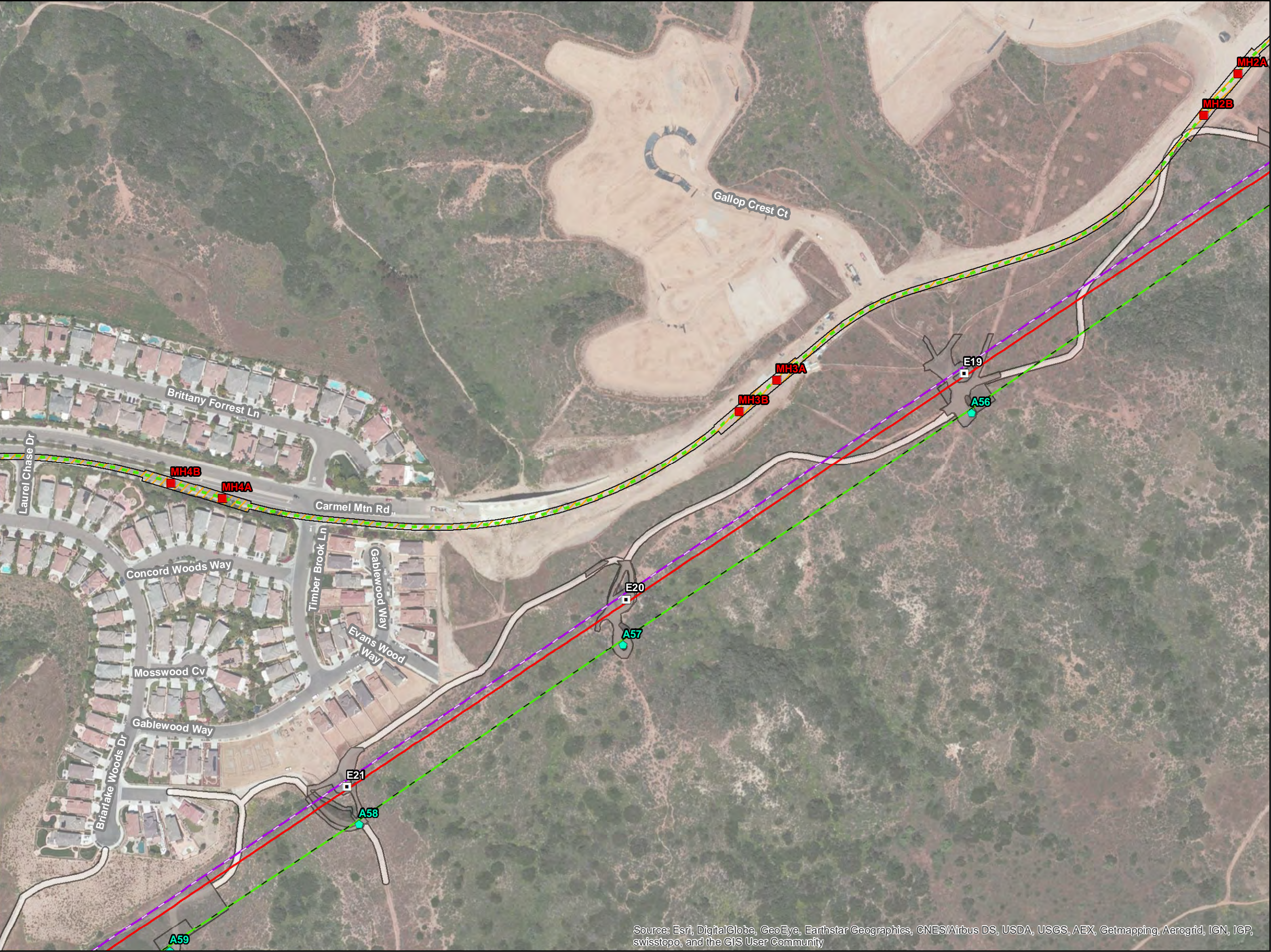
Sycamore-Peñasquitos 230-kV  
Transmission Line Project  
Figure E-5: Alternative 4 Detail  
(Map 1 of 5)

- Legend
- Proposed Structures
- 69-kV Steel Cable Pole (Dead End)
  - 69-kV Tubular Steel Pole (Dead End)
  - Preliminary Aviation Marker Balls
  - Splice Vault
  - Retaining Wall
- Existing Structures (To
- 230-kV Steel Lattice Tower (Tangent)
  - 230-kV Steel Lattice Tower (Dead End)
- Existing Structures (To
- 69-kV Wood H-Frame
- Existing Structures (To
- 69-kV Wood H-Frame
- Transmission Lines
- 230-kV (Proposed Overhead)
- Power Lines
- 138-kV (Relocated Overhead)
  - 69-kV (Relocated Overhead)
  - 69-kV (Proposed Underground)
  - 69-kV (De-energized Overhead)
- Alternative 4 Work Areas
- Structure Pad
  - Structure Installation/Removal
  - Underground Construction
- Proposed Project Work
- Permenant Structure Pad
  - Temporary Work Area
  - Access Road



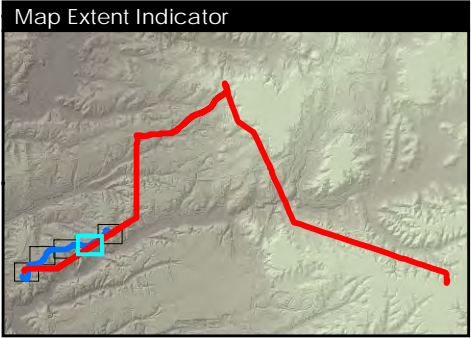
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Sycamore-Peñasquitos 230-kV  
Transmission Line Project  
Figure E-5: Alternative 4 Detail  
(Map 2 of 5)

- Legend
- Splice Vault
  - Existing Structures (To
    - 230-kV Steel Lattice Tower (Tangent)
    - ◆ 69-kV Wood H-Frame
  - Existing Structures (To
    - ◆ 69-kV Wood H-Frame
  - Transmission Lines
    - 230-kV (Proposed Overhead)
  - Power Lines
    - 138-kV (Relocated Overhead)
    - 69-kV (Proposed Underground)
    - 69-kV (De-energized Overhead)
  - Alternative 4 Work Areas
    - ▨ Underground Construction
  - Proposed Project Work
    - Permanent Structure Pad
    - Temporary Work Area
    - Access Road



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Date Created: 9/3/2015



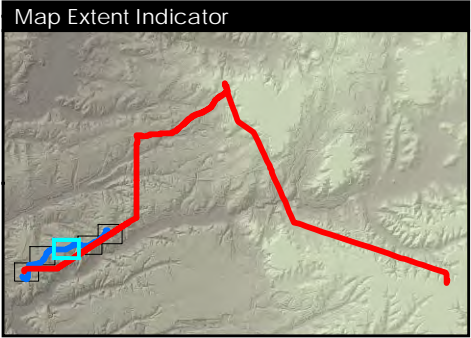
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Sycamore-Peñasquitos 230-kV  
Transmission Line Project  
Figure E-5: Alternative 4 Detail  
(Map 3 of 5)

- Legend
- Preliminary Aviation Marker Balls
  - Splice Vault
  - Existing Structures (To
  - 230-kV Steel Lattice Tower (Tangent)
  - Existing Structures (To
  - 69-kV Wood H-Frame
  - Transmission
  - 230-kV (Proposed Overhead)
  - Power Lines
  - 138-kV (Relocated Overhead)
  - 69-kV (Proposed Underground)
  - 69-kV (De-energized Overhead)
  - Alternative 4 Work
  - Underground Construction
  - Proposed Project Work
  - Permenant Structure Pad
  - Temporary Work Area
  - Access Road

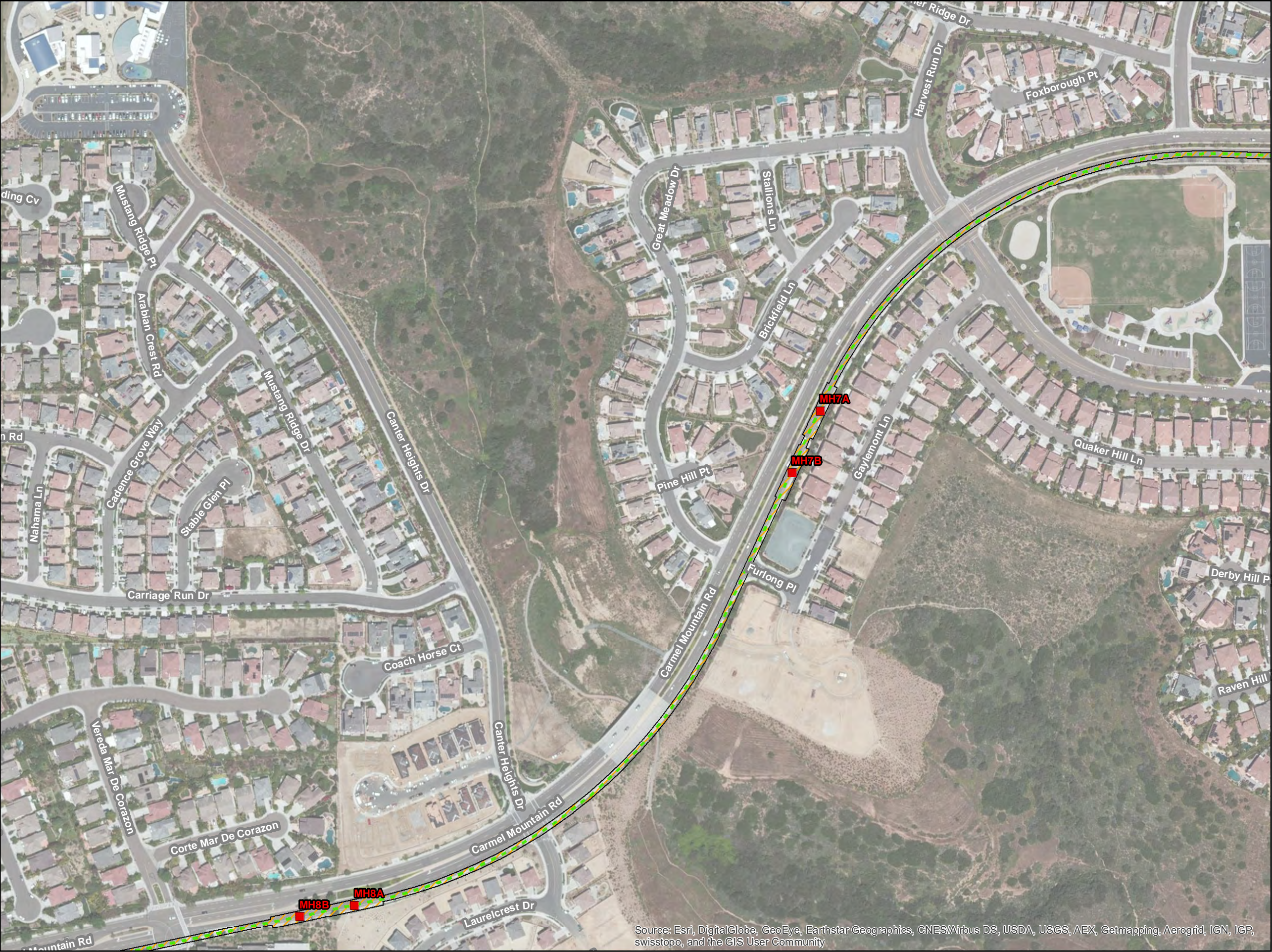


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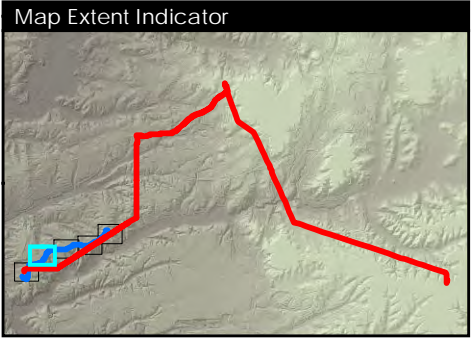
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Sycamore-Peñasquitos 230-kV  
Transmission Line Project  
Figure E-5: Alternative 4 Detail  
(Map 4 of 5)

- Legend
- Splice Vault
  - Power Lines
    - 69-kV (Proposed Underground)
  - Alternative 4 Work
    - ▨ Underground Construction



Scale = 1:3,000  
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Aerial Imagery: 5/30/2014  
Date Created: 9/3/2015



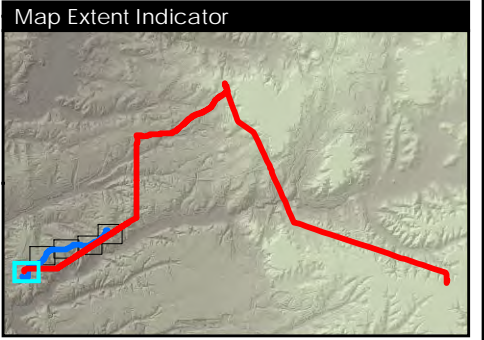
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Sycamore-Peñasquitos 230-kV Transmission Line Project  
Figure E-5: Alternative 4 Detail  
(Map 5 of 5)

- Legend
- Splice Vault
  - Existing Structures (To
    - 230-kV Steel Lattice Tower
    - 230-kV Steel Lattice Tower (Dead
    - 230-kV Tubular Steel Pole (Dead
  - Existing Structures (To
    - 69-kV Wood Cable Pole
    - 69-kV Wood H-Frame
    - 69-kV Wood Monopole
  - Transmission
    - 230-kV (Proposed Overhead)
  - Power
    - 138-kV (Relocated Overhead)
    - 69-kV (Proposed Underground)
    - 69-kV (De-energized Overhead)
  - Alternative 4 Work
    - Underground
    - Substation
  - Proposed Project Work
    - Permenant Structure
    - Temporary Work Area
    - Access Road



Scale = 1:3,000  
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Aerial Imagery: 5/30/2014  
Date Created: 9/3/2015  
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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



## APPENDIX E DETAILED ALTERNATIVE ROUTE MAPS

### ALTERNATIVE 5 DETAIL MAPS

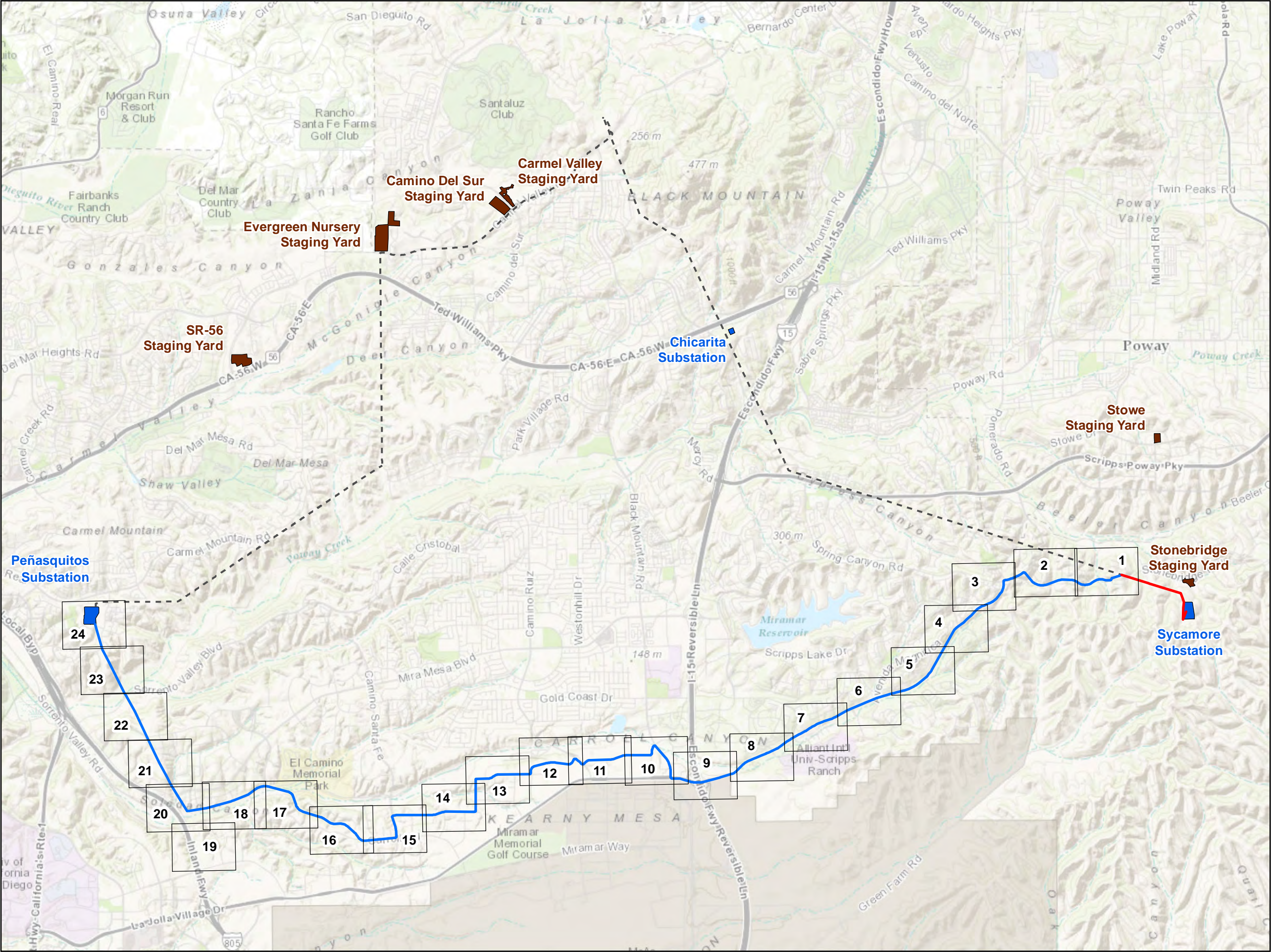
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## APPENDIX E DETAILED ALTERNATIVE ROUTE MAPS

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### Sycamore-Peñasquitos 230-kV Transmission Line Project

Figure E-6: Alternative 5 Detail (Overview)

**Legend**

- Alternative 5 Alignment
- Proposed Project Alignment
- Proposed Project Alignment Avoided
- Substation
- Staging Yard
- Map Frame

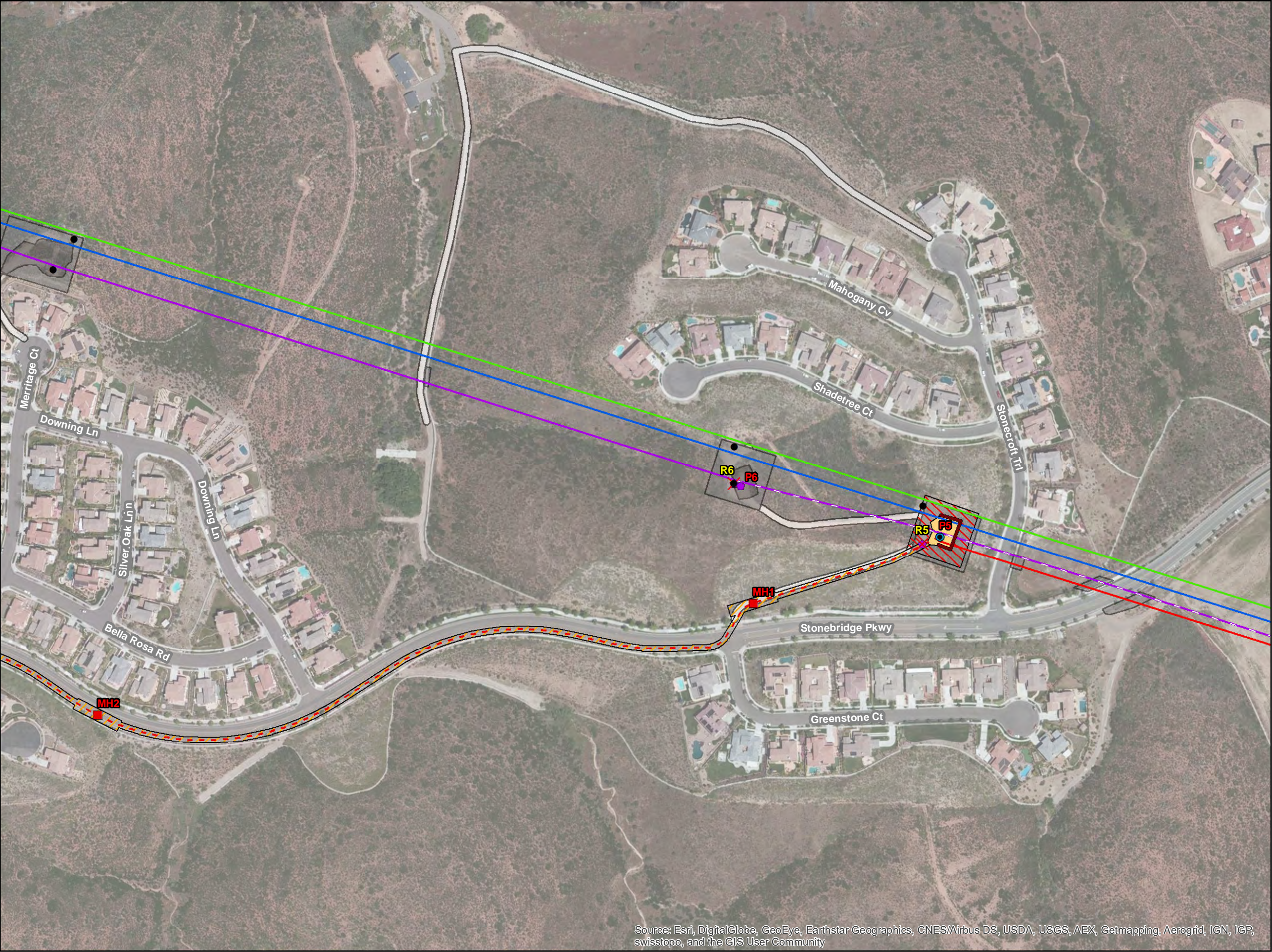
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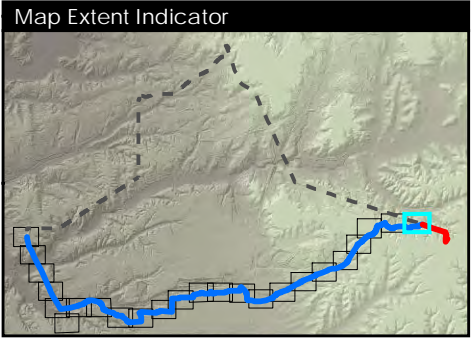
**PANORAMA**





Sycamore-Peñasquitos 230-kV  
Transmission Line Project  
Figure E-6: Alternative 5 Detail  
(Map 1 of 24)

- Legend
- Proposed Structures
- 230-kV Steel Cable Pole (Dead End)
  - 138-kV Steel H-Frame (Dead End)
  - Splice Vault
  - Retaining Wall
- Existing Structures (To
- (Structure Not Part of Project)
- Existing Structures (To
- 138-kV Wood H-Frame
- Transmission Lines
- 230-kV (Proposed Overhead)
  - 230-kV (Proposed Underground)
  - 230-kV (Existing Overhead)
- Power Lines
- 138-kV (Existing Overhead)
  - 138-kV (Relocated Overhead)
  - 69-kV (Existing Overhead)
- Alternative 5 Work
- Structure Pad
  - Structure Installation/Removal
  - Underground Construction
- Proposed Project Work
- Permanent Structure Pad
  - Temporary Work Area
  - Access Road

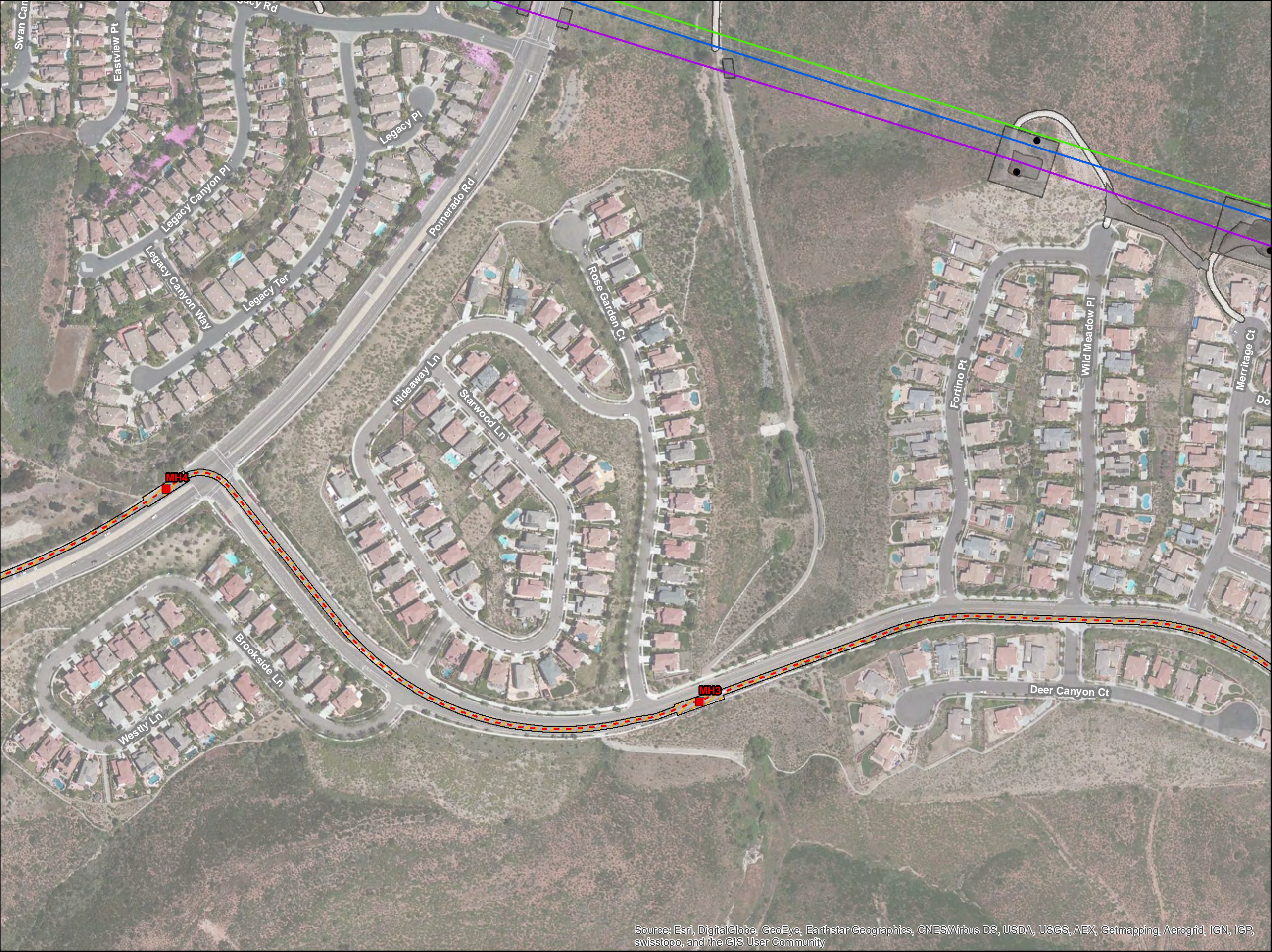


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Aerial Imagery: 5/30/2014  
Date Created: 9/3/2015



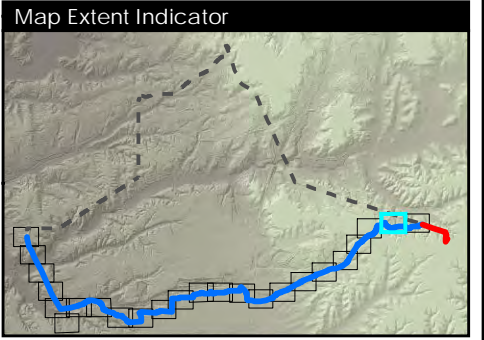
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community





Sycamore-Peñasquitos 230-kV  
Transmission Line Project  
Figure E-6: Alternative 5 Detail  
(Map 2 of 24)

- Legend
- Splice Vault
  - Existing Structures (To  
(Structure Not Part of Project)
  - Transmission Lines
    - 230-kV (Proposed Underground)
    - 230-kV (Existing Overhead)
  - Power Lines
    - 138-kV (Existing Overhead)
    - 69-kV (Existing Overhead)
  - Alternative 5 Work
    - Underground Construction
  - Proposed Project Work
    - Permenant Structure Pad
    - Temporary Work Area
    - Access Road



Scale = 1:3,000  
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Aerial Imagery: 5/30/2014  
Date Created: 9/3/2015

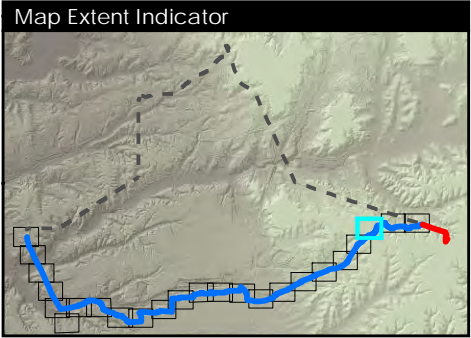






Sycamore-Peñasquitos 230-kV  
Transmission Line Project  
Figure E-6: Alternative 5 Detail  
(Map 3 of 24)

- Legend
- Splice Vault
  - Transmission Lines
    - - 230-kV (Proposed Underground)
  - Alternative 5 Work Areas
    - ▨ Underground Construction
  - Proposed Project Work Areas
    - Access Road



Scale = 1:3,000

0 100 200 Feet

Aerial Imagery: 5/30/2014  
Date Created: 9/3/2015

PANORAMA

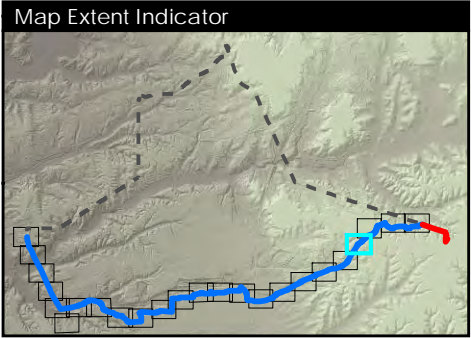
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community





Sycamore-Peñasquitos 230-kV  
Transmission Line Project  
Figure E-6: Alternative 5 Detail  
(Map 4 of 24)

- Legend
- Splice Vault
  - Transmission Lines
    - - 230-kV (Proposed Underground)
  - Alternative 5 Work Areas
    - ▨ Underground Construction

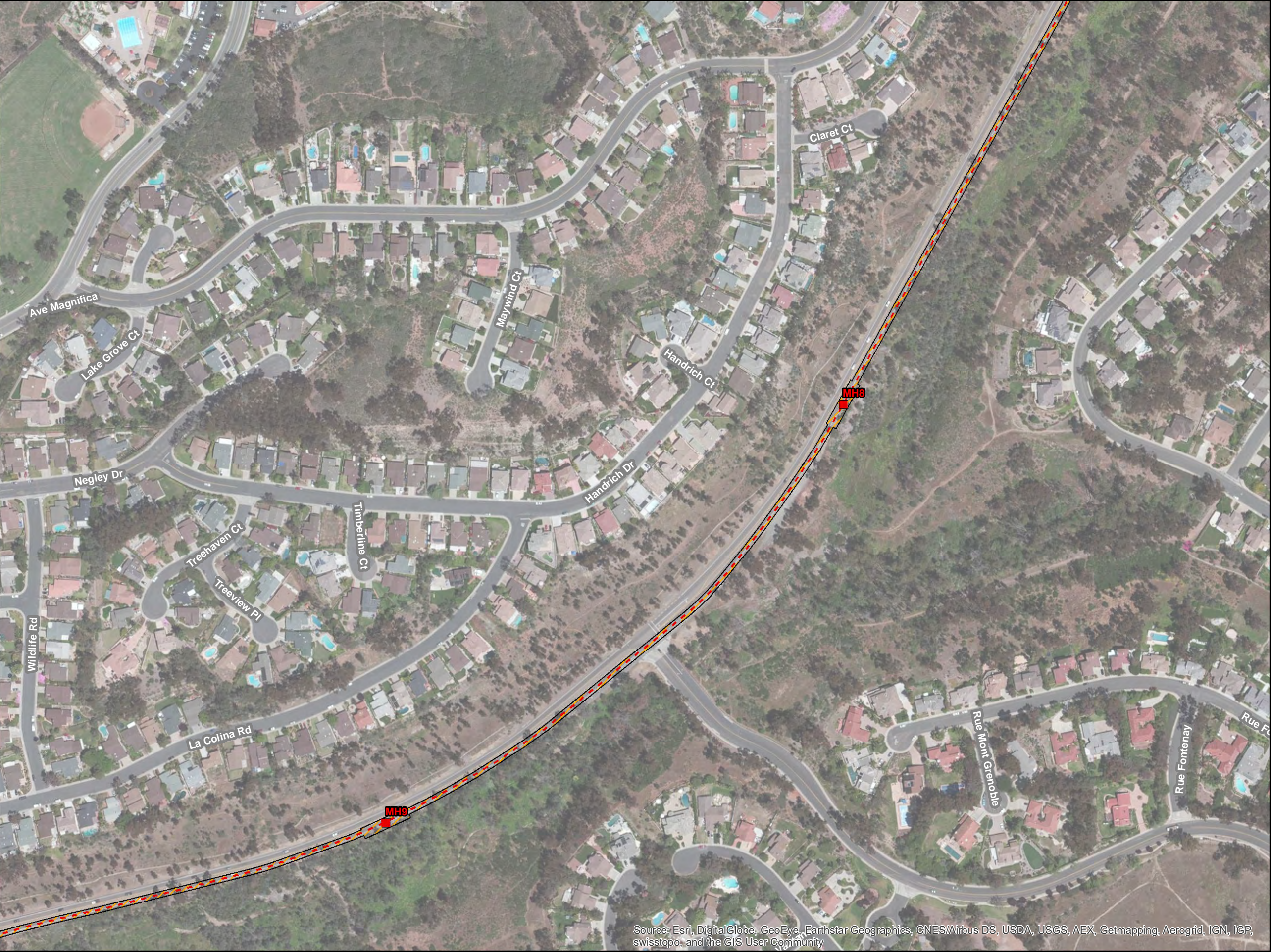


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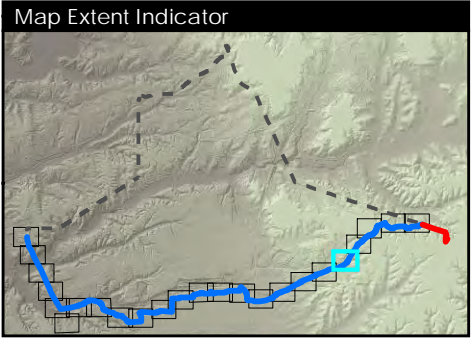
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community





Sycamore-Peñasquitos 230-kV  
Transmission Line Project  
Figure E-6: Alternative 5 Detail  
(Map 5 of 24)

- Legend
- Splice Vault
  - Transmission Lines
    - - 230-kV (Proposed Underground)
  - Alternative 5 Work Areas
    - ▨ Underground Construction



Scale = 1:3,000  
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Aerial Imagery: 5/30/2014  
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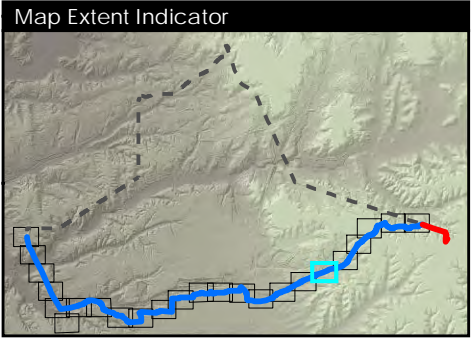
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community





Sycamore-Peñasquitos 230-kV  
Transmission Line Project  
Figure E-6: Alternative 5 Detail  
(Map 6 of 24)

- Legend
- Splice Vault
  - Transmission Lines
    - - 230-kV (Proposed Underground)
  - Alternative 5 Work Areas
    - ▨ Underground Construction



Scale = 1:3,000  
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Aerial Imagery: 5/30/2014  
Date Created: 9/3/2015

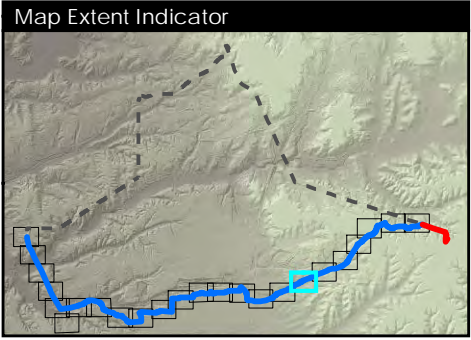






Sycamore-Peñasquitos 230-kV  
Transmission Line Project  
Figure E-6: Alternative 5 Detail  
(Map 7 of 24)

- Legend
- Splice Vault
  - Transmission Lines
    - - 230-kV (Proposed Underground)
  - Alternative 5 Work Areas
    - ▨ Underground Construction



Scale = 1:3,000  
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Aerial Imagery: 5/30/2014  
Date Created: 9/3/2015

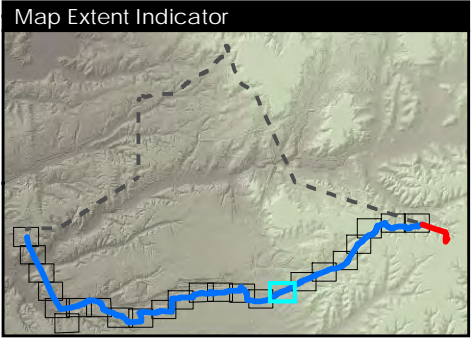






Sycamore-Peñasquitos 230-kV  
Transmission Line Project  
Figure E-6: Alternative 5 Detail  
(Map 8 of 24)

- Legend
- Splice Vault
  - Transmission Lines
    - - 230-kV (Proposed Underground)
  - Alternative 5 Work Areas
    - Underground Construction

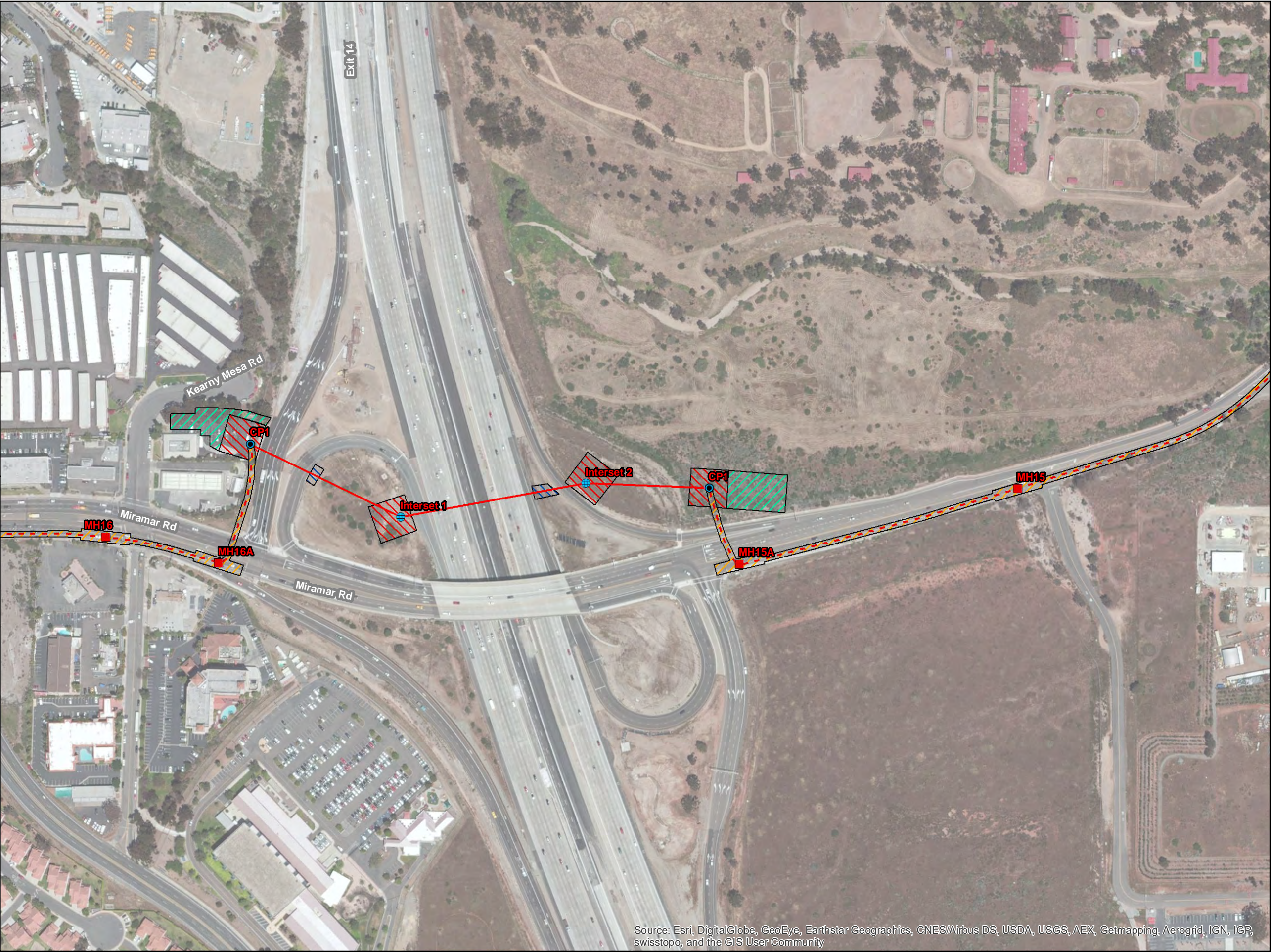


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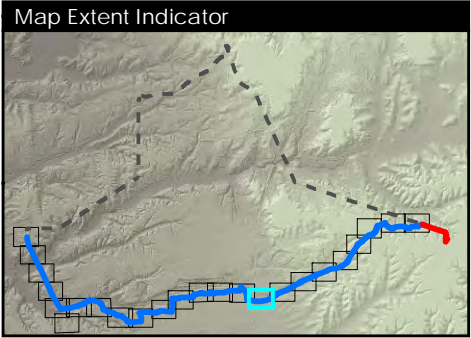
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community





Sycamore-Peñasquitos 230-kV  
Transmission Line Project  
Figure E-6: Alternative 5 Detail  
(Map 9 of 24)

- Legend
- Proposed Structures
- 230-kV Steel Cable Pole (Dead End)
  - 230-kV Interset Pole
  - Splice Vault
- Transmission Lines
- 230-kV (Proposed Overhead)
  - 230-kV (Proposed Underground)
- Alternative 5 Work Areas
- Structure Installation/Removal
  - Stringing Site
  - Guard Structure
  - Underground Construction



Scale = 1:3,000  
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Aerial Imagery: 5/30/2014  
Date Created: 9/3/2015



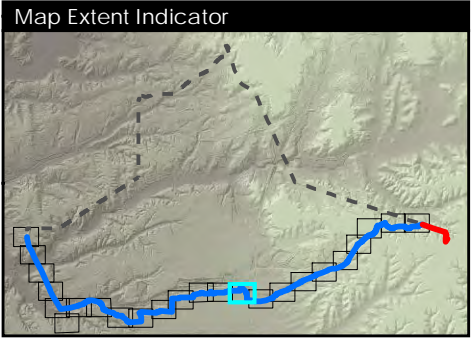
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community





Sycamore-Peñasquitos 230-kV  
Transmission Line Project  
Figure E-6: Alternative 5 Detail  
(Map 10 of 24)

- Legend
- Proposed Structures
- 230-kV Steel Cable Pole (Dead End)
  - Splice Vault
- Transmission Lines
- 230-kV (Proposed Overhead)
  - 230-kV (Proposed Underground)
- Alternative 5 Work
- Structure Installation/Removal
  - Stringing Site
  - Underground Construction



Scale = 1:3,000  
0 100 200 Feet  
Aerial Imagery: 5/30/2014  
Date Created: 9/3/2015



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

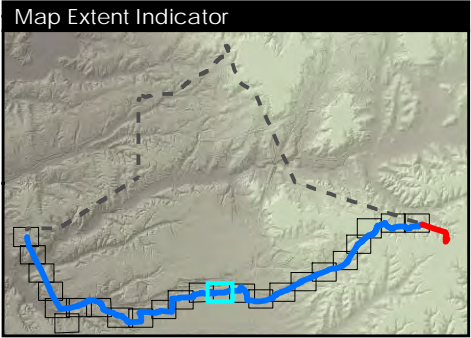




Sycamore-Peñasquitos 230-kV Transmission Line Project  
Figure E-6: Alternative 5 Detail  
(Map 11 of 24)

Legend

- Splice Vault
- Transmission Lines
  - - 230-kV (Proposed Underground)
- Alternative 5 Work
  - ▨ Underground Construction



Scale = 1:3,000  
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Aerial Imagery: 5/30/2014  
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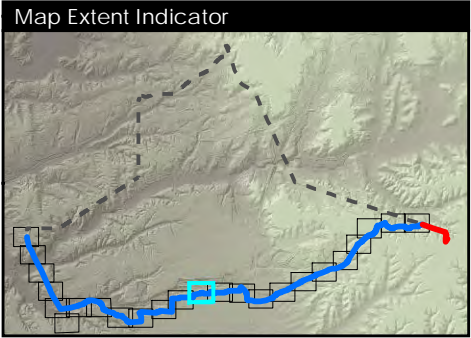
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community





Sycamore-Peñasquitos 230-kV  
Transmission Line Project  
Figure E-6: Alternative 5 Detail  
(Map 12 of 24)

- Legend
- Splice Vault
  - Transmission Lines
    - - 230-kV (Proposed Underground)
  - Alternative 5 Work Areas
    - ▨ Underground Construction



Scale = 1:3,000  
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Aerial Imagery: 5/30/2014  
Date Created: 9/3/2015

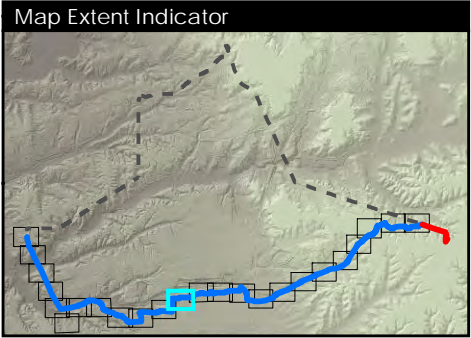






Sycamore-Peñasquitos 230-kV  
Transmission Line Project  
Figure E-6: Alternative 5 Detail  
(Map 13 of 24)

- Legend
- Splice Vault
  - Transmission Lines
    - - 230-kV (Proposed Underground)
  - Alternative 5 Work Areas
    - ▨ Underground Construction



Scale = 1:3,000  
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Aerial Imagery: 5/30/2014  
Date Created: 9/3/2015



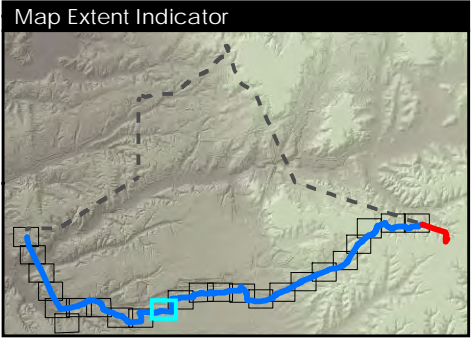
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community





Sycamore-Peñasquitos 230-kV  
Transmission Line Project  
Figure E-6: Alternative 5 Detail  
(Map 14 of 24)

- Legend
- Splice Vault
  - Transmission Lines
    - - 230-kV (Proposed Underground)
  - Alternative 5 Work Areas
    - ▨ Underground Construction



Scale = 1:3,000

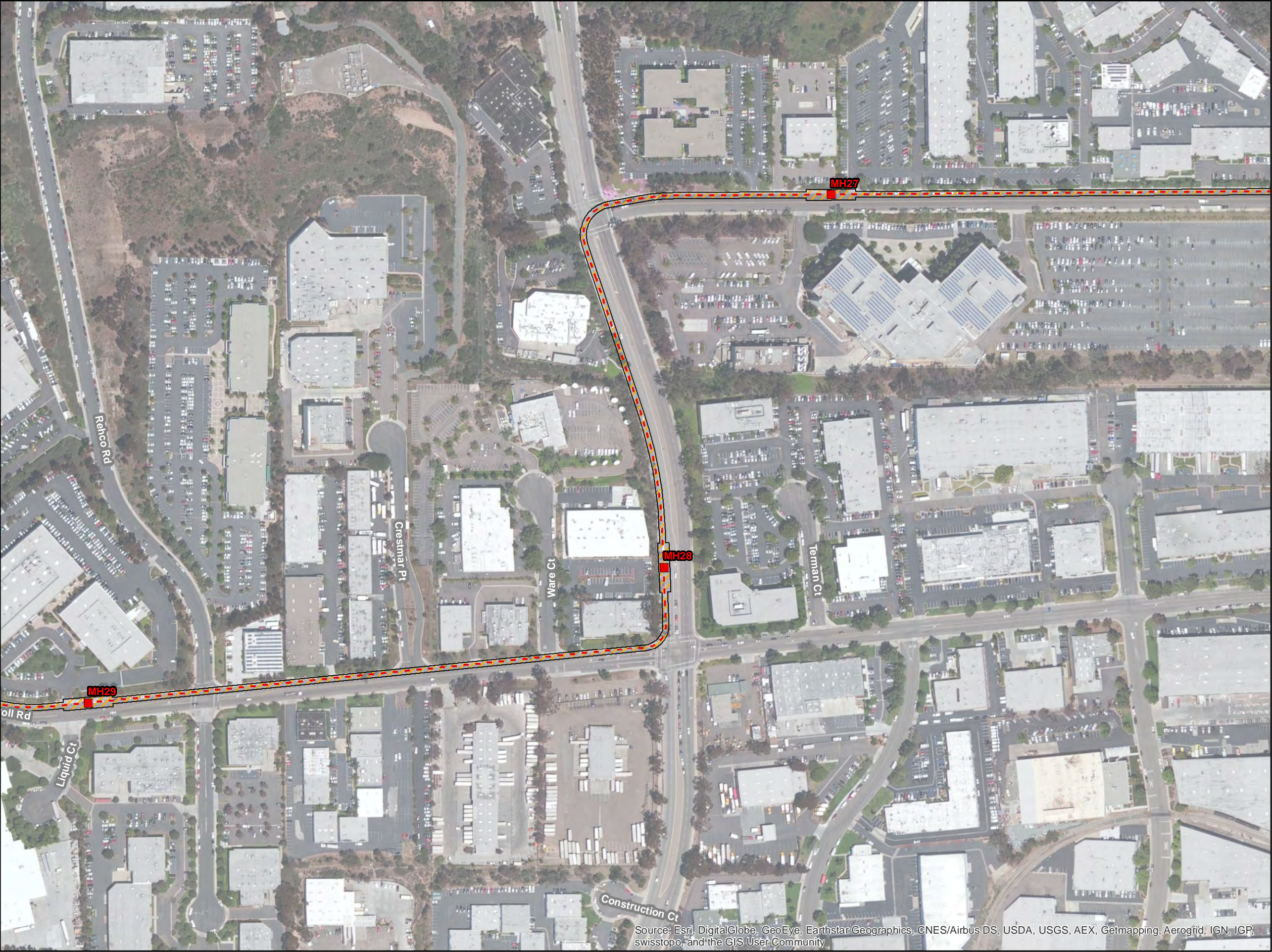
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Aerial Imagery: 5/30/2014  
Date Created: 9/3/2015

PANORAMA

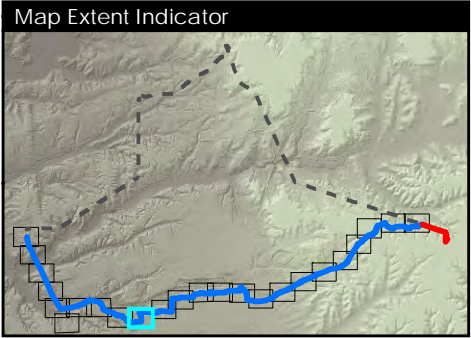
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community





Sycamore-Peñasquitos 230-kV  
Transmission Line Project  
Figure E-6: Alternative 5 Detail  
(Map 15 of 24)

- Legend
- Splice Vault
  - Transmission Lines
    - - 230-kV (Proposed Underground)
  - Alternative 5 Work Areas
    - ▨ Underground Construction



Scale = 1:3,000  
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Aerial Imagery: 5/30/2014  
Date Created: 9/3/2015

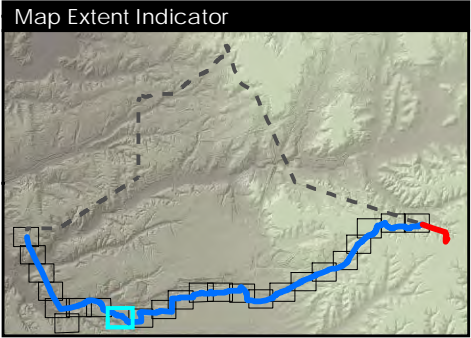






Sycamore-Peñasquitos 230-kV  
Transmission Line Project  
Figure E-6: Alternative 5 Detail  
(Map 16 of 24)

- Legend
- Splice Vault
  - Transmission Lines
    - - 230-kV (Proposed Underground)
  - Alternative 5 Work Areas
    - ▨ Underground Construction



Scale = 1:3,000  
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Aerial Imagery: 5/30/2014  
Date Created: 9/3/2015



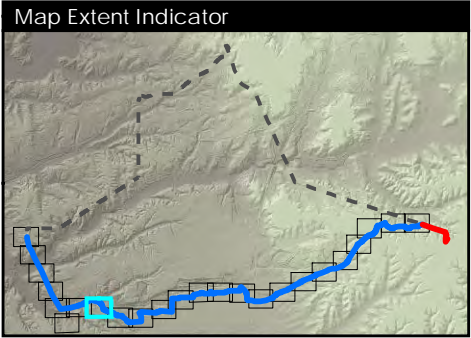
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community





Sycamore-Peñasquitos 230-kV  
Transmission Line Project  
Figure E-6: Alternative 5 Detail  
(Map 17 of 24)

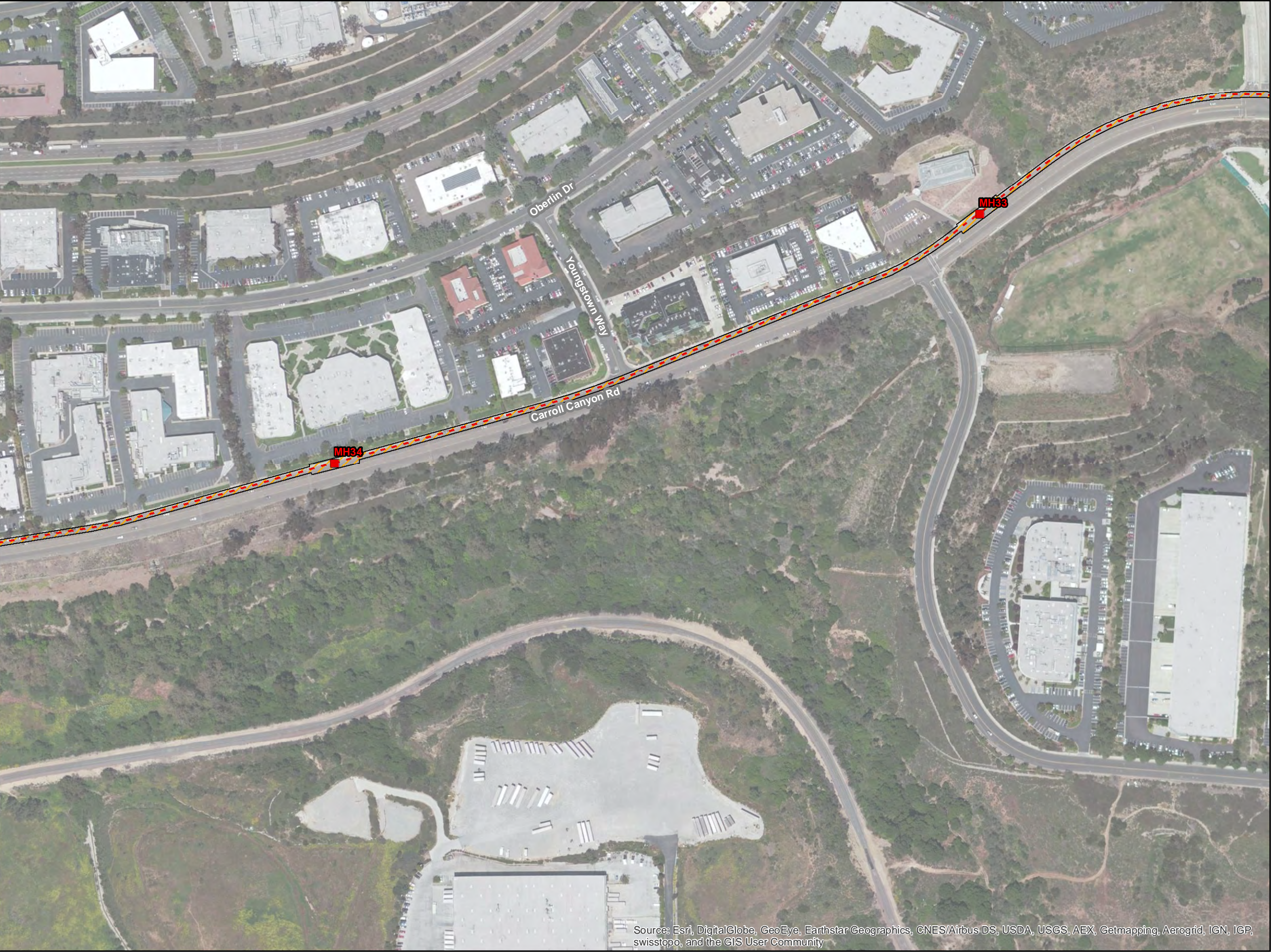
- Legend
- Splice Vault
  - Transmission Lines
    - - 230-kV (Proposed Underground)
  - Alternative 5 Work Areas
    - Underground Construction



Scale = 1:3,000  
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Aerial Imagery: 5/30/2014  
Date Created: 9/3/2015

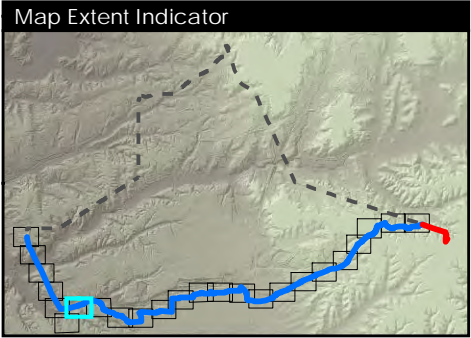






Sycamore-Peñasquitos 230-kV  
Transmission Line Project  
Figure E-6: Alternative 5 Detail  
(Map 18 of 24)

- Legend
- Splice Vault
  - Transmission Lines
    - - 230-kV (Proposed Underground)
  - Alternative 5 Work Areas
    - ▨ Underground Construction



Scale = 1:3,000  
0 100 200 Feet  
Aerial Imagery: 5/30/2014  
Date Created: 9/3/2015



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





Sycamore-Peñasquitos 230-kV Transmission Line Project  
Figure E-6: Alternative 5 Detail  
(Map 19 of 24)

Legend

Existing Structures (To Remain)

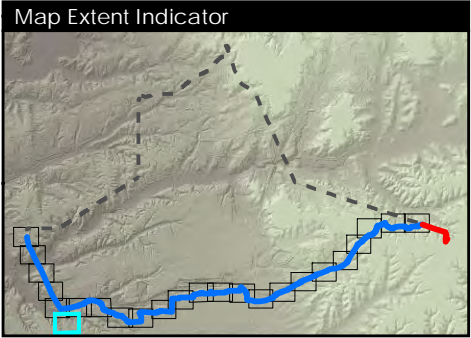
- 230-kV Tubular Steel Pole
- (Structure Not Part of Project)

Transmission Lines

- 230-kV (Existing Overhead)

Alternative 5 Work Areas

- ▨ Stringing Site
- ▨ Access Road



Scale = 1:3,000

0 100 200 Feet

Aerial Imagery: 5/30/2014  
Date Created: 9/3/2015

PANORAMA

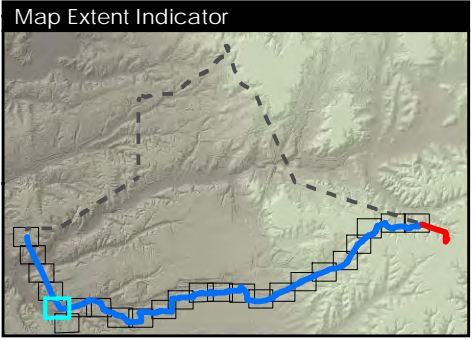
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community





Sycamore-Peñasquitos 230-kV  
Transmission Line Project  
Figure E-6: Alternative 5 Detail  
(Map 20 of 24)

- Legend
- Proposed Structures
- 230-kV Steel Cable Pole (Dead End)
  - Splice Vault
- Existing Structures (To Remain)
- 230-kV Tubular Steel Pole
  - (Structure Not Part of Project)
- Transmission Lines
- 230-kV (Proposed Overhead)
  - 230-kV (Proposed Underground)
  - 230-kV (Existing Overhead)
  - 230-kV (Relocated Overhead)
- Alternative 5 Work Areas
- Structure Installation/Removal
  - Stringing Site
  - Guard Structure
  - Underground Construction
  - Access Road



Scale = 1:3,000  
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Aerial Imagery: 5/30/2014  
Date Created: 9/3/2015  
PANORAMA

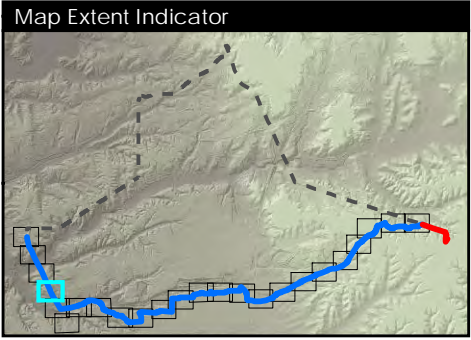
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community





Sycamore-Peñasquitos 230-kV Transmission Line Project  
Figure E-6: Alternative 5 Detail  
(Map 21 of 24)

- Legend
- Existing Structures (To
- 230-kV Tubular Steel Pole
  - (Structure Not Part of Project)
- Transmission Lines
- 230-kV (Proposed Overhead)
  - 230-kV (Relocated Overhead)
- Alternative 5 Work
- ▨ Structure Installation/Removal
  - ▨ Guard Structure
  - ▨ Access Road



Scale = 1:3,000

0 100 200 Feet

Aerial Imagery: 5/30/2014  
Date Created: 9/3/2015

PANORAMA

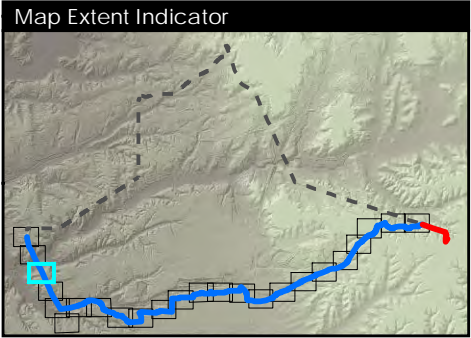
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community





Sycamore-Peñasquitos 230-kV  
Transmission Line Project  
Figure E-6: Alternative 5 Detail  
(Map 22 of 24)

- Legend
- Existing Structures (To
- 230-kV Tubular Steel Pole
  - (Structure Not Part of Project)
- Transmission Lines
- 230-kV (Proposed Overhead)
  - 230-kV (Relocated Overhead)
- Alternative 5 Work
- ▨ Structure Installation/Removal
  - ▨ Stringing Site
  - ▨ Guard Structure
  - ▨ Access Road



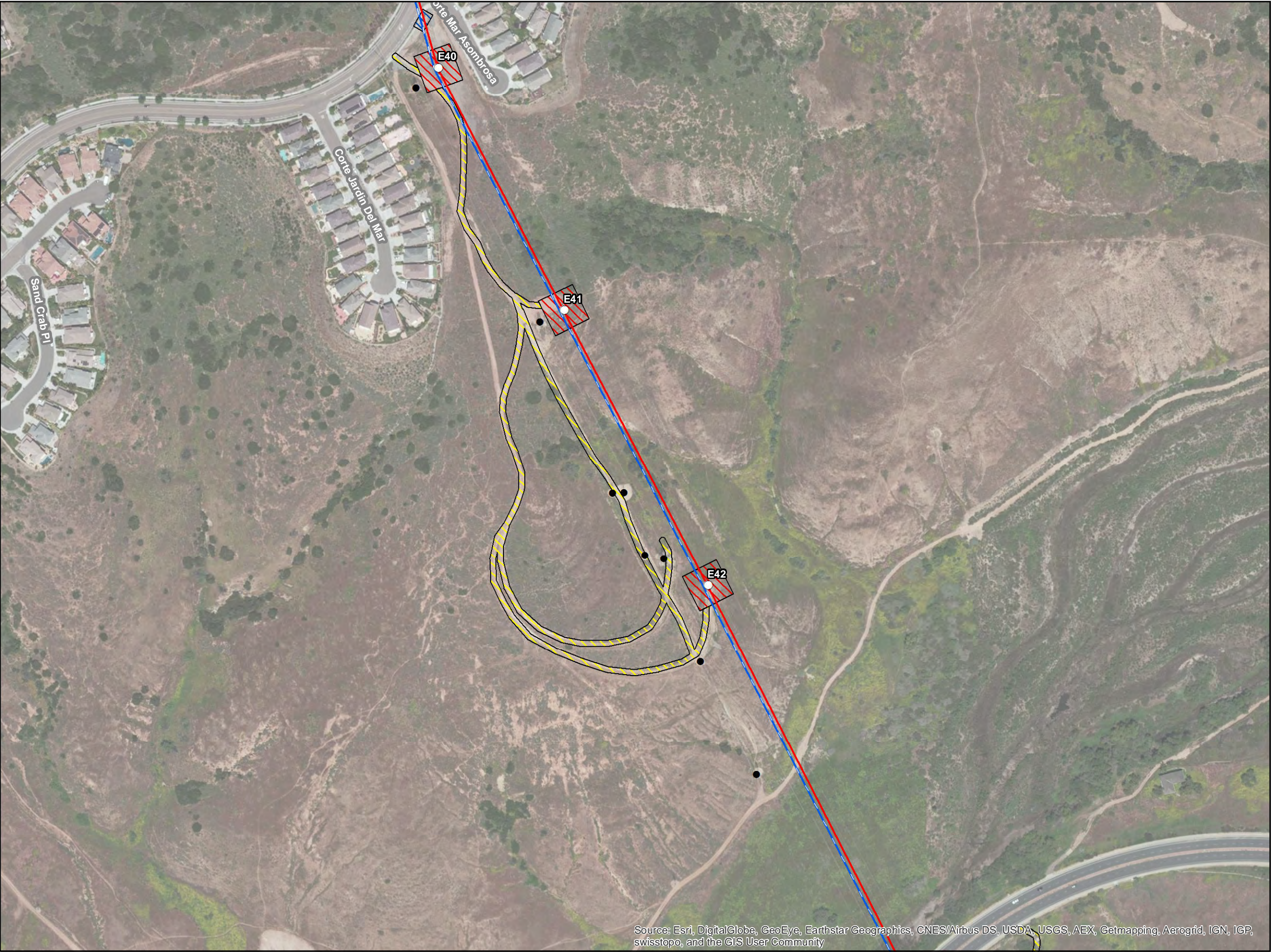
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Date Created: 9/3/2015

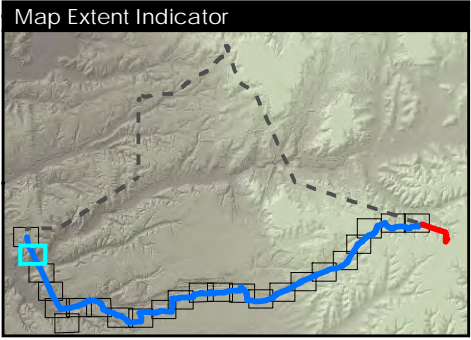
PANORAMA





Sycamore-Peñasquitos 230-kV  
Transmission Line Project  
Figure E-6: Alternative 5 Detail  
(Map 23 of 24)

- Legend
- Existing Structures (To
- 230-kV Tubular Steel Pole
  - (Structure Not Part of Project)
- Transmission Lines
- 230-kV (Proposed Overhead)
  - 230-kV (Relocated Overhead)
- Alternative 5 Work
- ▨ Structure Installation/Removal
  - ▨ Guard Structure
  - ▨ Access Road



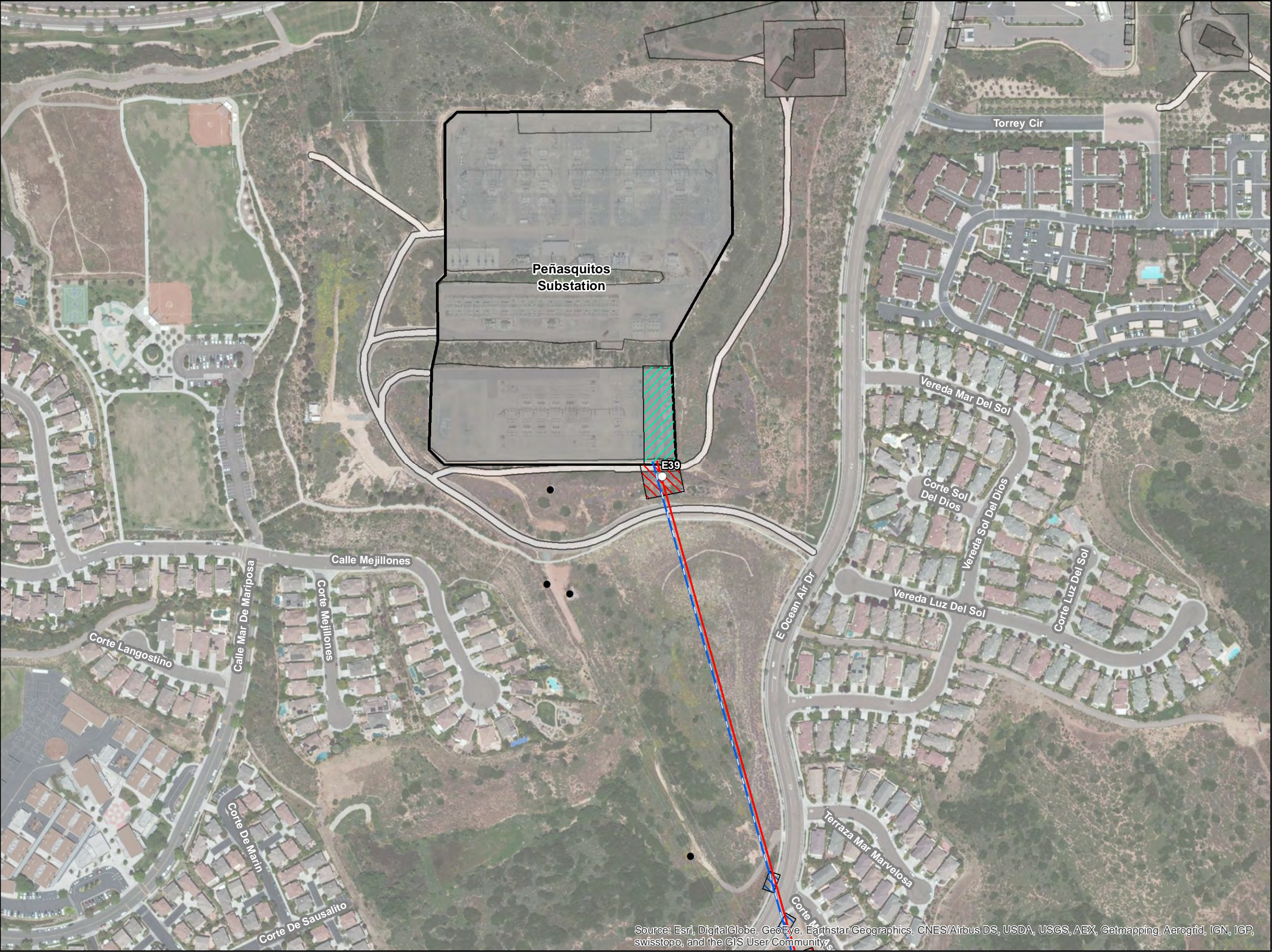
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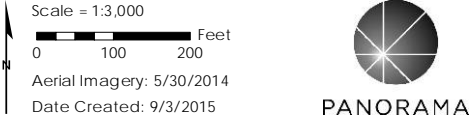
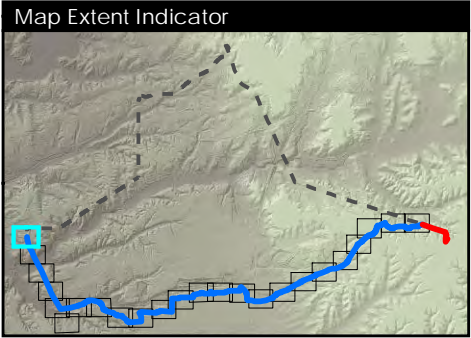
PANORAMA





Sycamore-Peñasquitos 230-kV  
Transmission Line Project  
Figure E-6: Alternative 5 Detail  
(Map 24 of 24)

- Legend
- Existing Structures (To
- 230-kV Tubular Steel Pole
  - (Structure Not Part of Project)
- Transmission Lines
- 230-kV (Proposed Overhead)
  - 230-kV (Relocated Overhead)
- Alternative 5 Work
- ▨ Structure Installation/Removal
  - ▨ Stringing Site
  - ▨ Guard Structure
  - ▨ Substation
- Proposed Project Work
- Permenant Structure Pad
  - Temporary Work Area
  - ▭ Access Road



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