

APPENDIX E: DETAILED ALTERNATIVE ROUTE MAPS

**APPENDIX E
DETAILED ALTERNATIVE ROUTE MAPS**

DETAILED ALTERNATIVE ROUTE MAPS

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

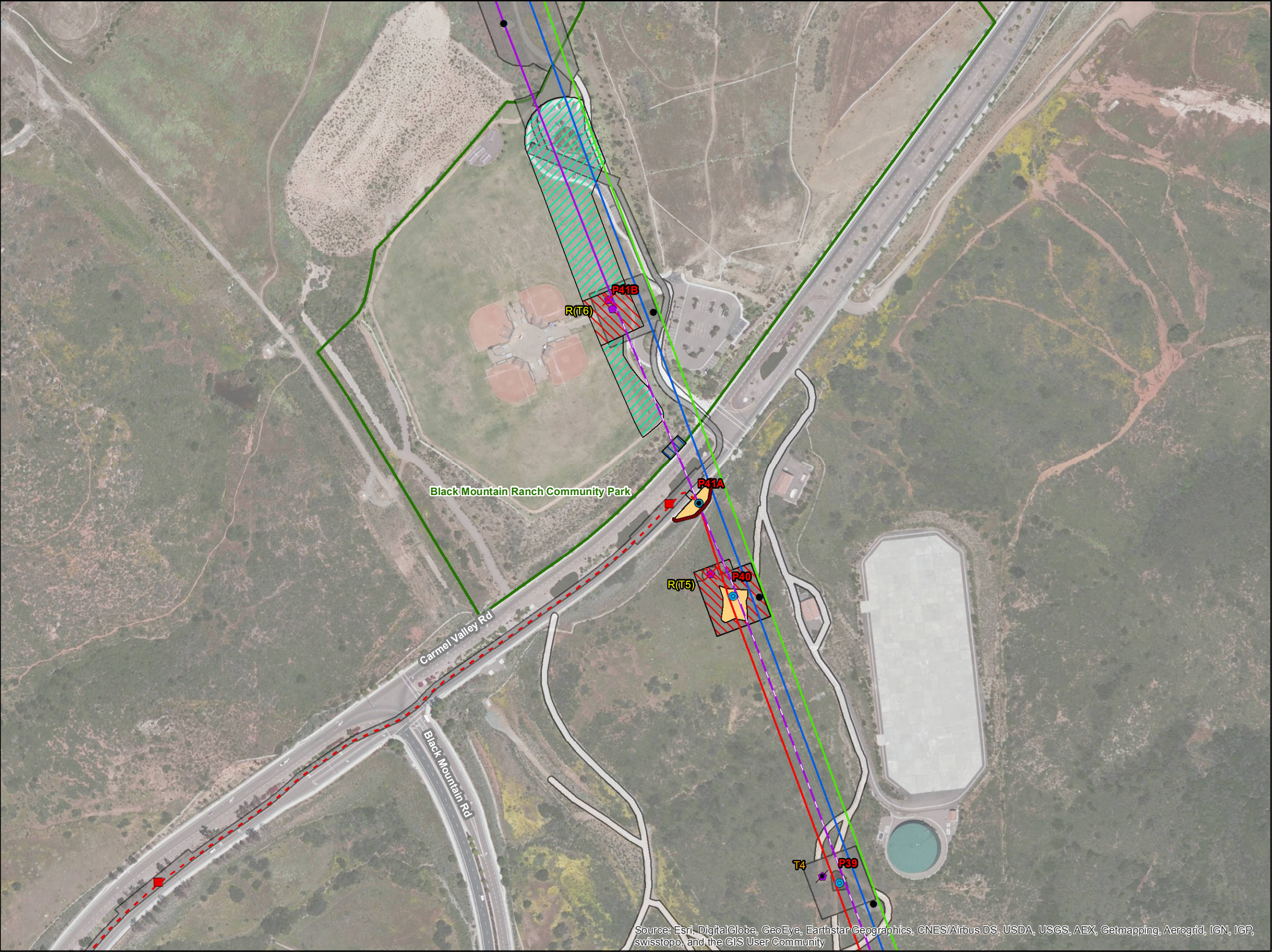
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APPENDIX E DETAILED ALTERNATIVE ROUTE MAPS

ALTERNATIVE 1 DETAIL MAP

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)

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 1 Work

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

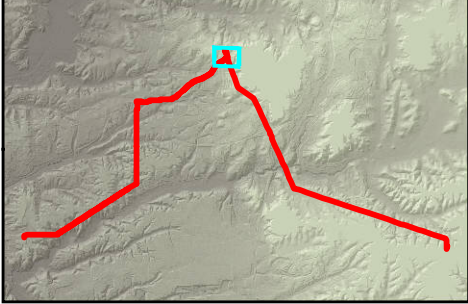
Proposed Project Work

- Permanent Structure Pad
- Temporary Work Area
- Access Road

Park Boundary

- Black Mountain Ranch Community Park

Map Extent Indicator



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



PANORAMA

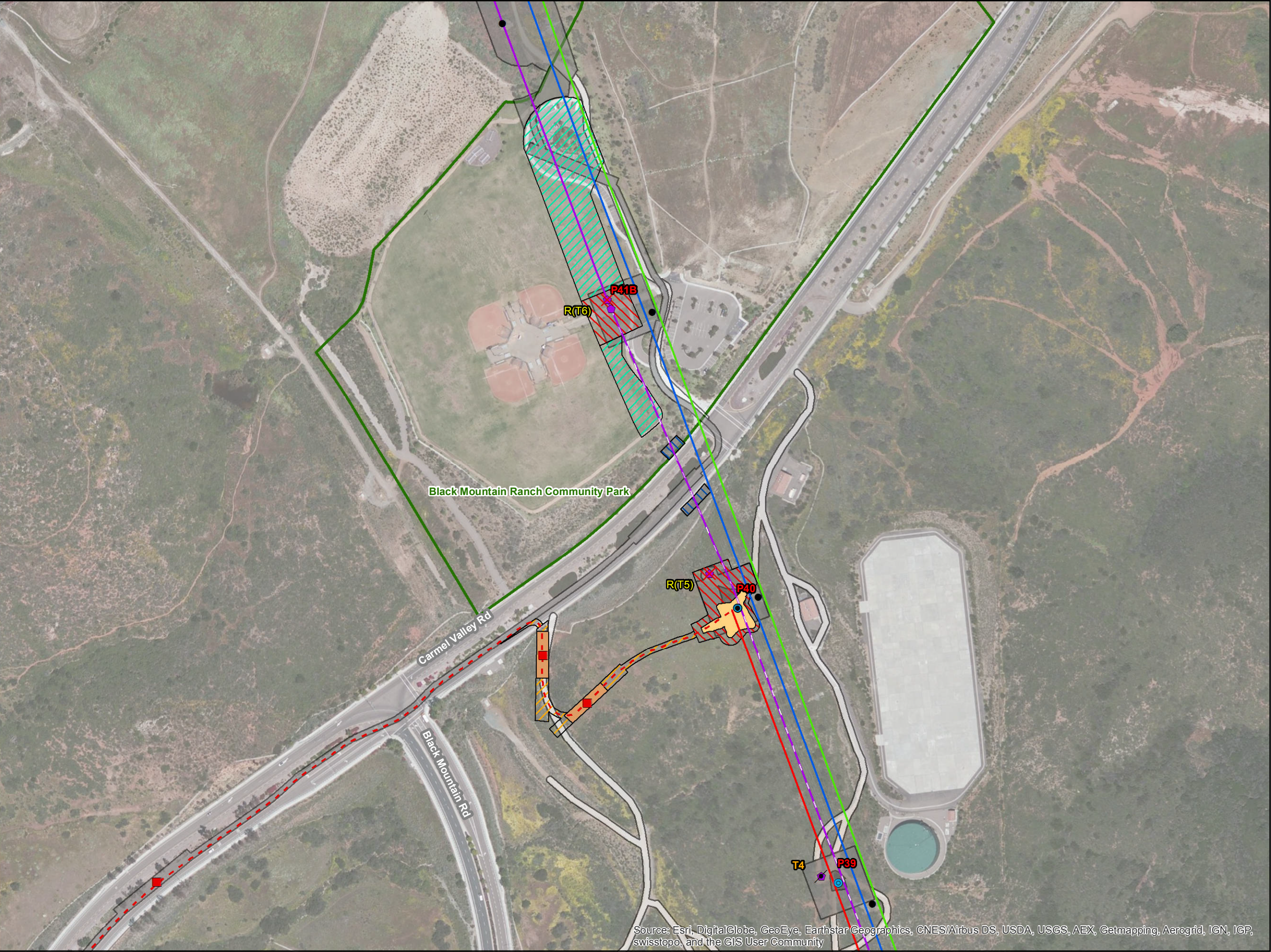
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

APPENDIX E DETAILED ALTERNATIVE ROUTE MAPS

ALTERNATIVE 2A DETAIL MAP

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

Map Extent Indicator

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

PANORAMA

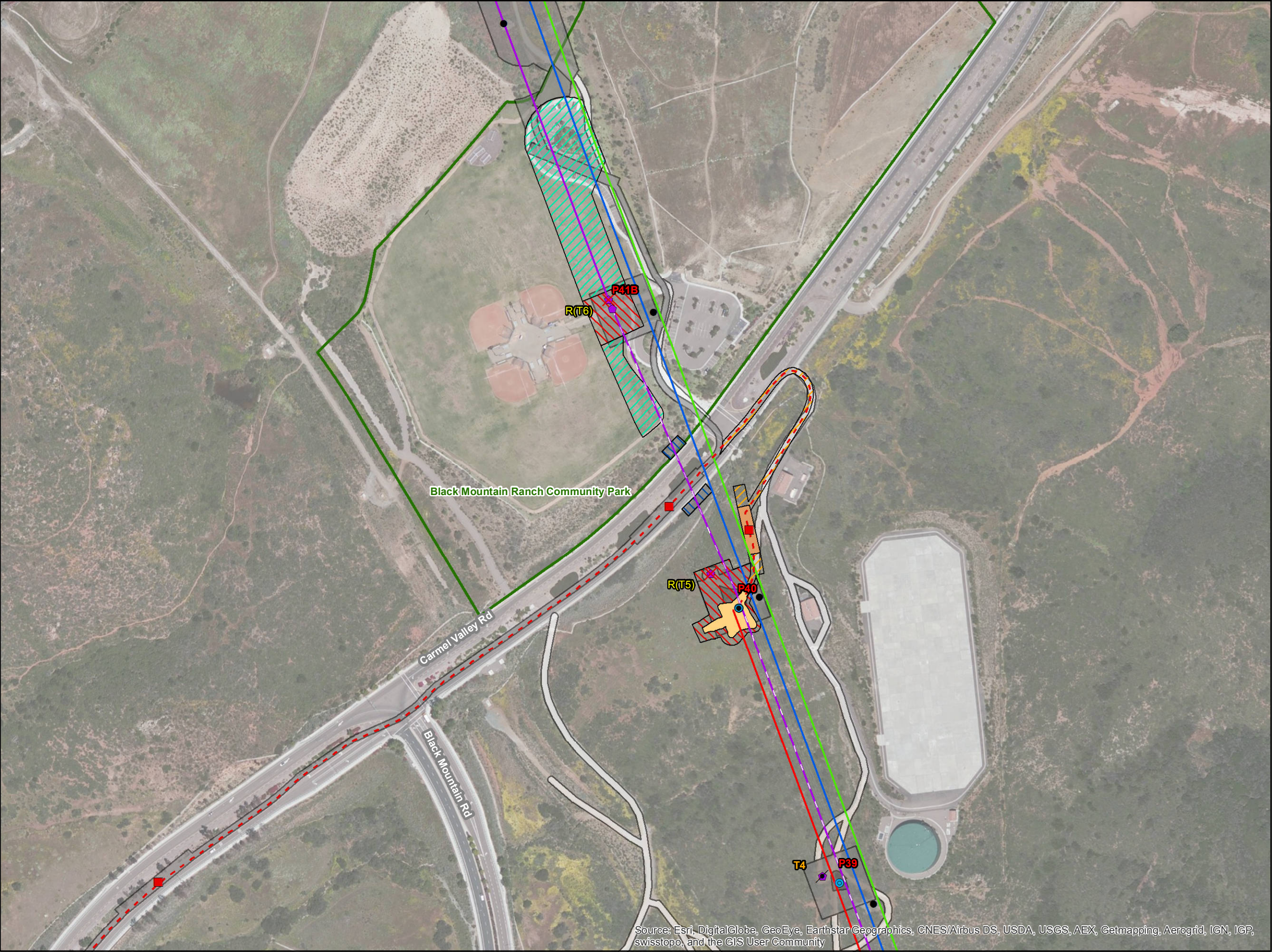
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

APPENDIX E DETAILED ALTERNATIVE ROUTE MAPS

ALTERNATIVE 2B DETAIL MAP

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

Map Extent Indicator

Scale = 1:3,000

0

100

200

Feet

Aerial Imagery: 5/30/2014

Date Created: 9/3/2015

PANORAMA

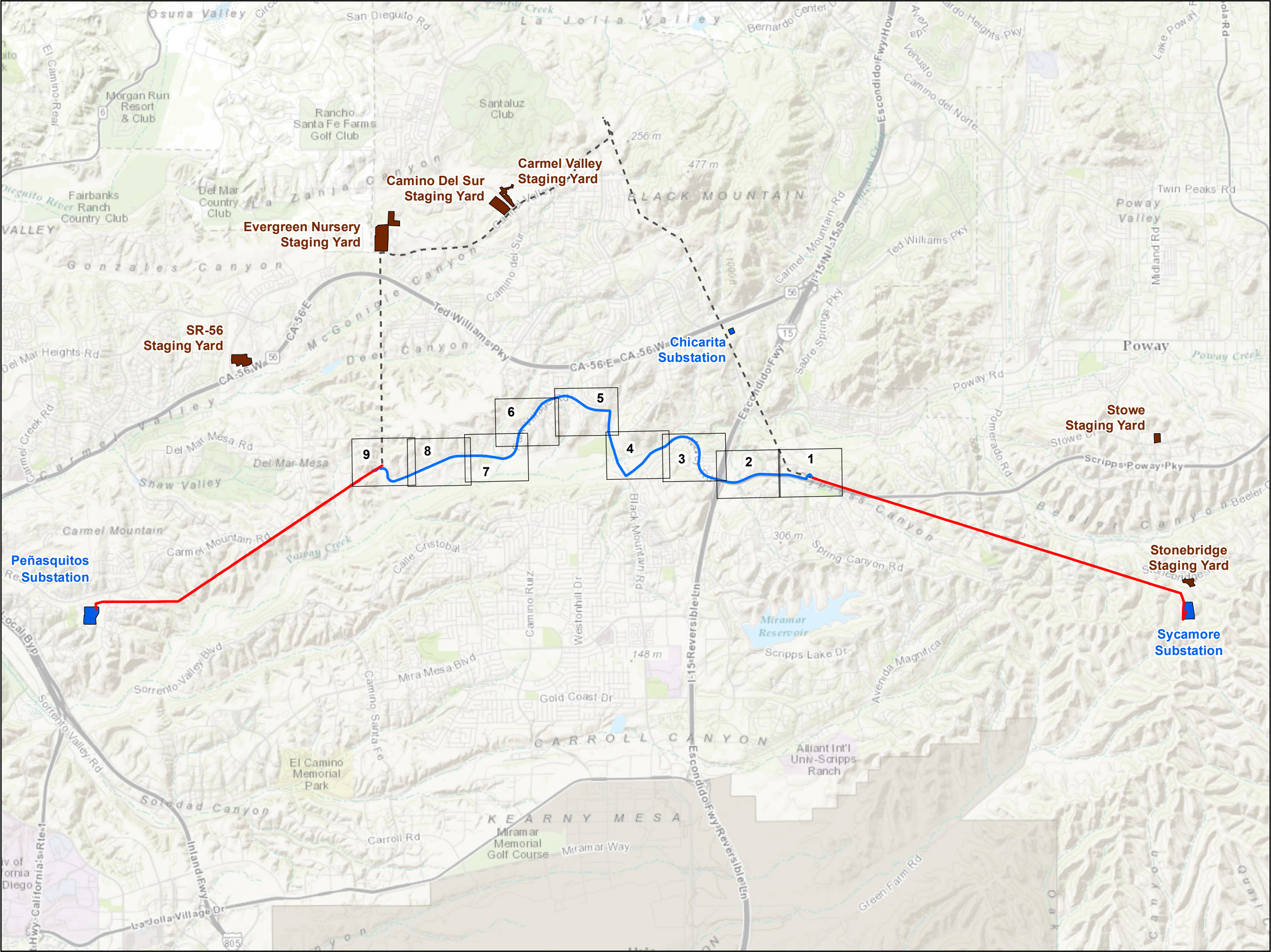
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

APPENDIX E DETAILED ALTERNATIVE ROUTE MAPS

ALTERNATIVE 3 DETAIL MAPS

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

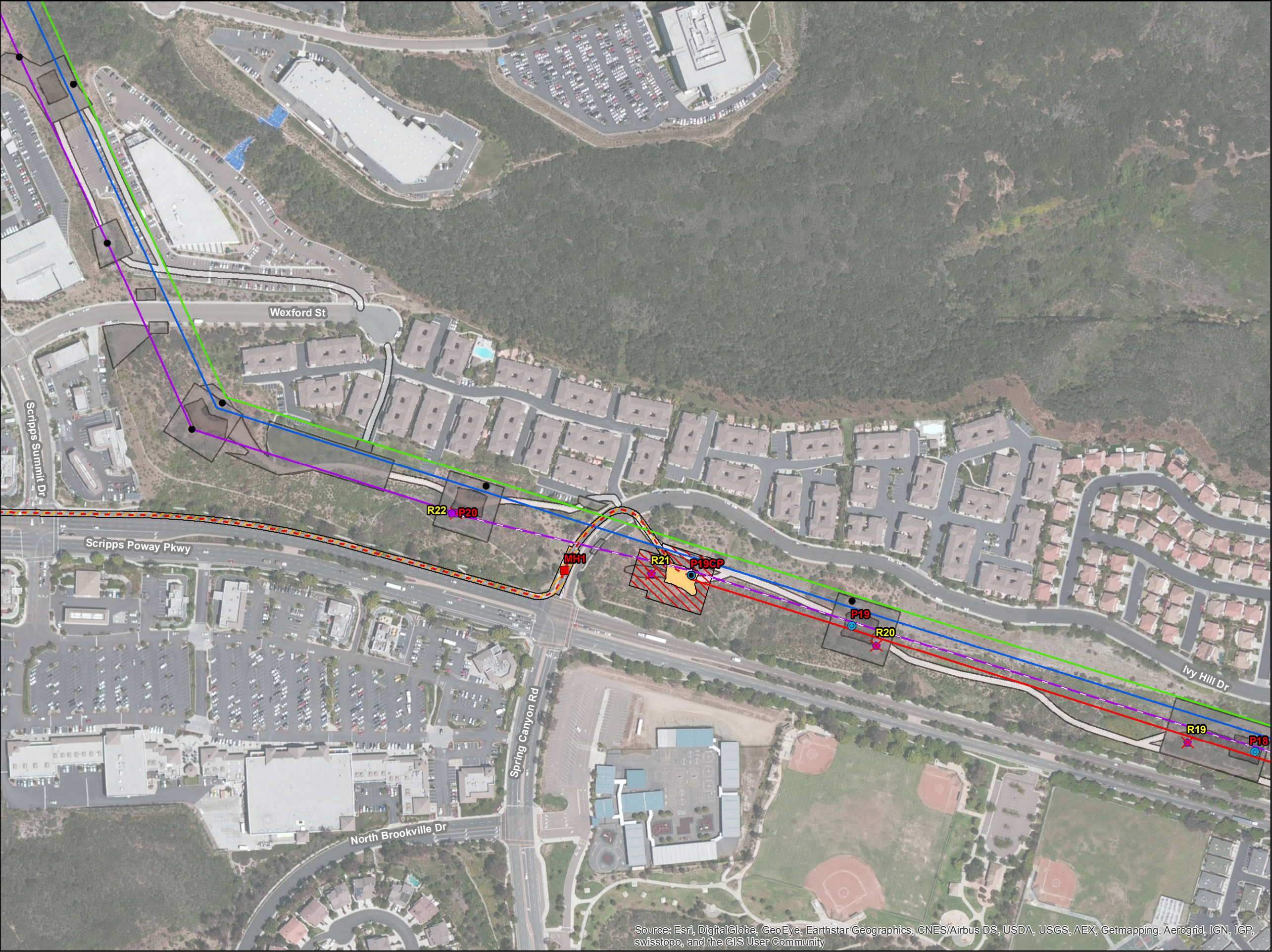
- Alternative 3 Alignment
- Proposed Project Alignment
- Proposed Project Alignment Avoided
- Substation
- Staging Yard
- Map Frame

Scale = 1:60,000

0 0.5 1 Miles

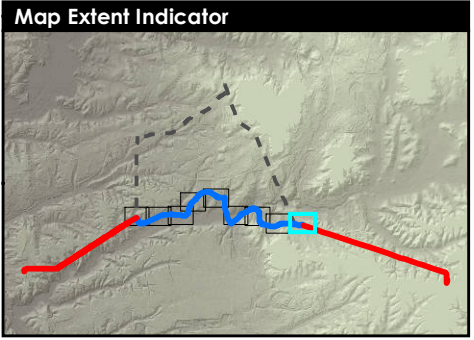
Date Created: 9/3/2015

PANORAMA



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)
- 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 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



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 2 of 9)

Legend

- Splice Vault
- (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

Map Extent Indicator

Scale = 1:3,000

0 100 200 Feet

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

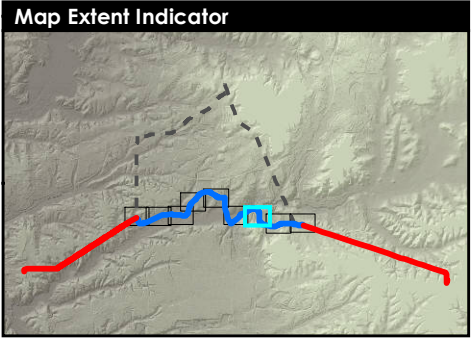
PANORAMA

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



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 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

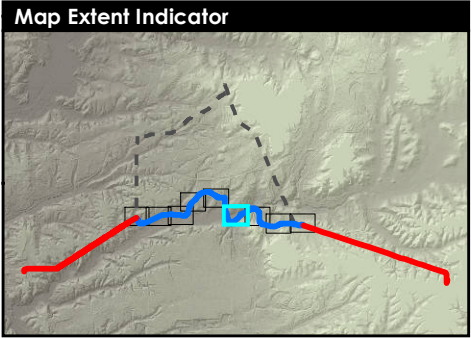


**Sycamore-Peñasquitos 230-kV
Transmission Line Project**

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

Legend

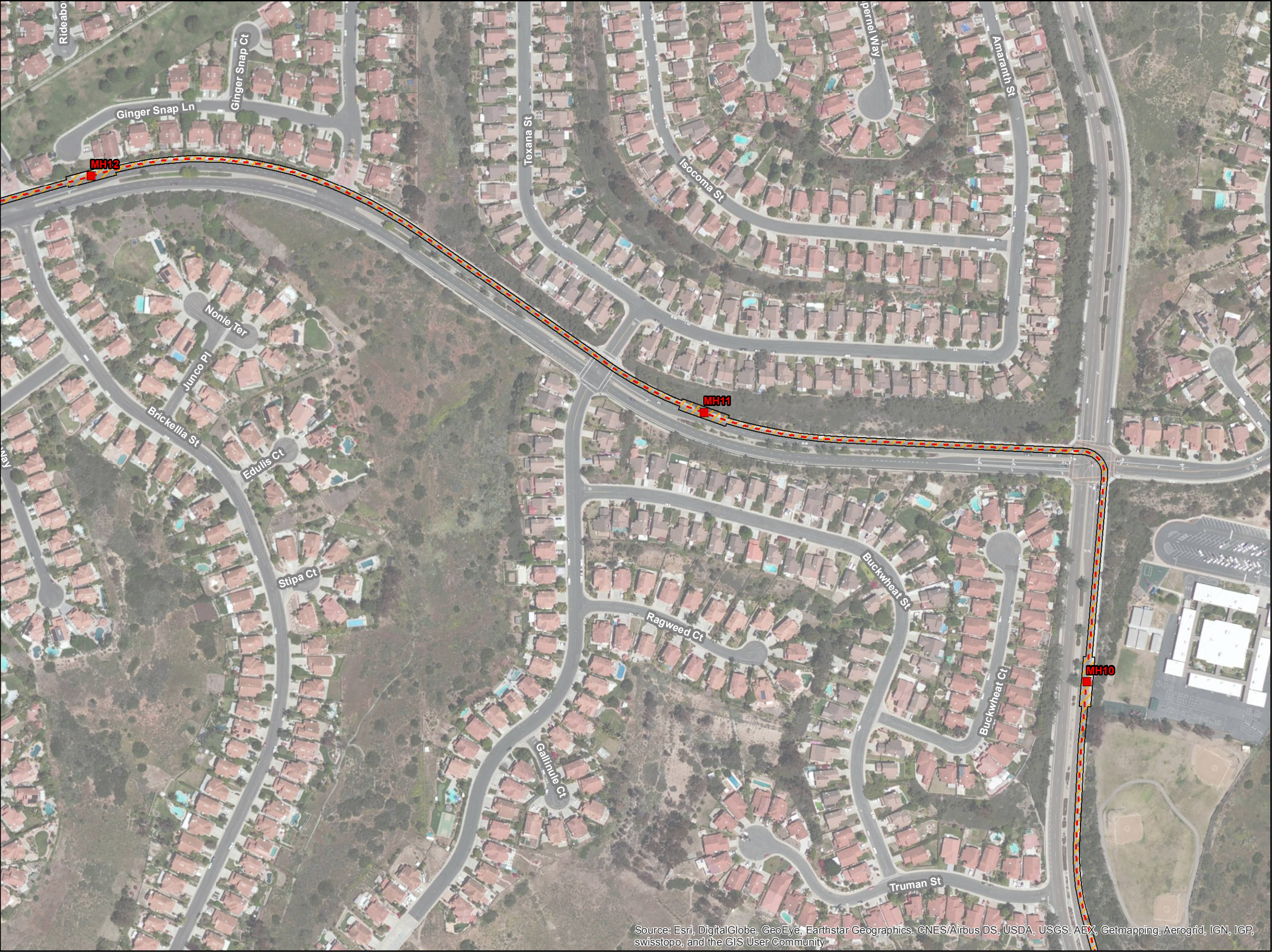
- Splice Vault
- Transmission Lines**
 - - 230-kV (Proposed Underground)
- Alternative 3 Work Areas**
 - Underground Construction



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

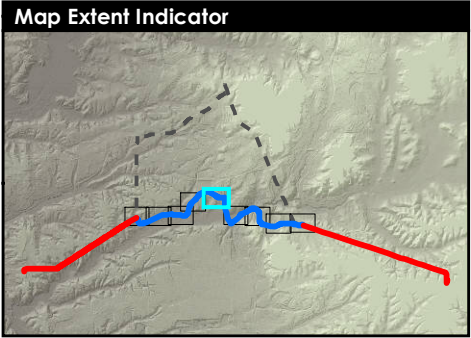


Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



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

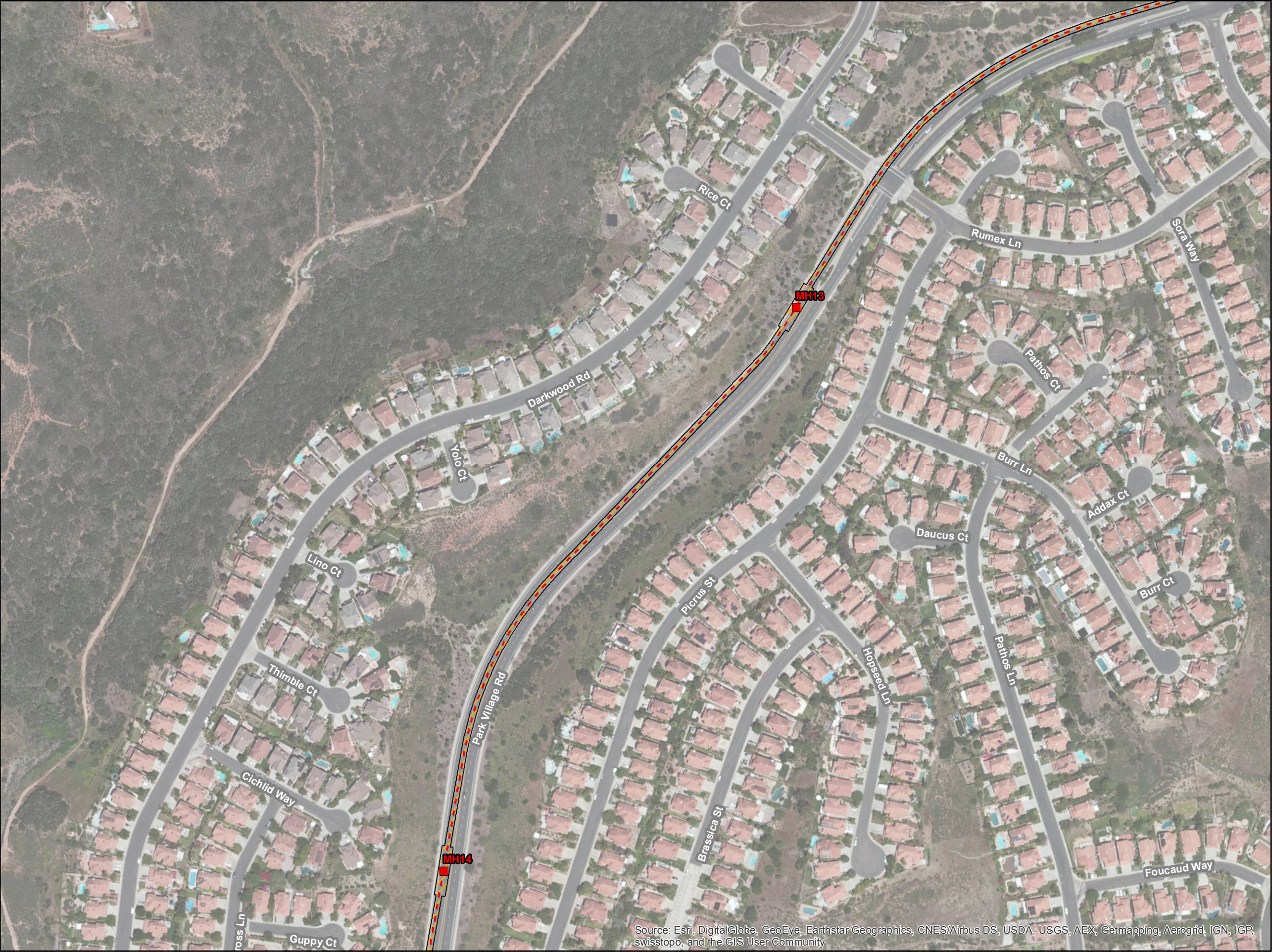
- Legend**
- Splice Vault
 - Transmission Lines**
 - - 230-kV (Proposed Underground)
 - Alternative 3 Work Areas**
 - ▨ Underground Construction



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

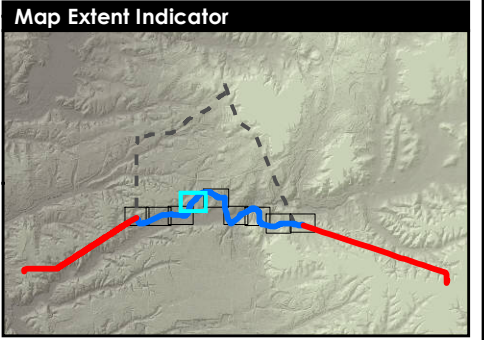


Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



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



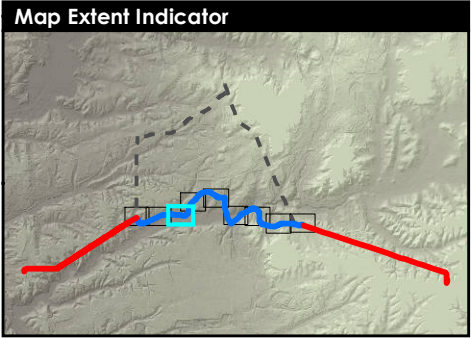
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Aerial Imagery: 5/30/2014
Date Created: 9/3/2015

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-4: Alternative 3 Detail
(Map 7 of 9)

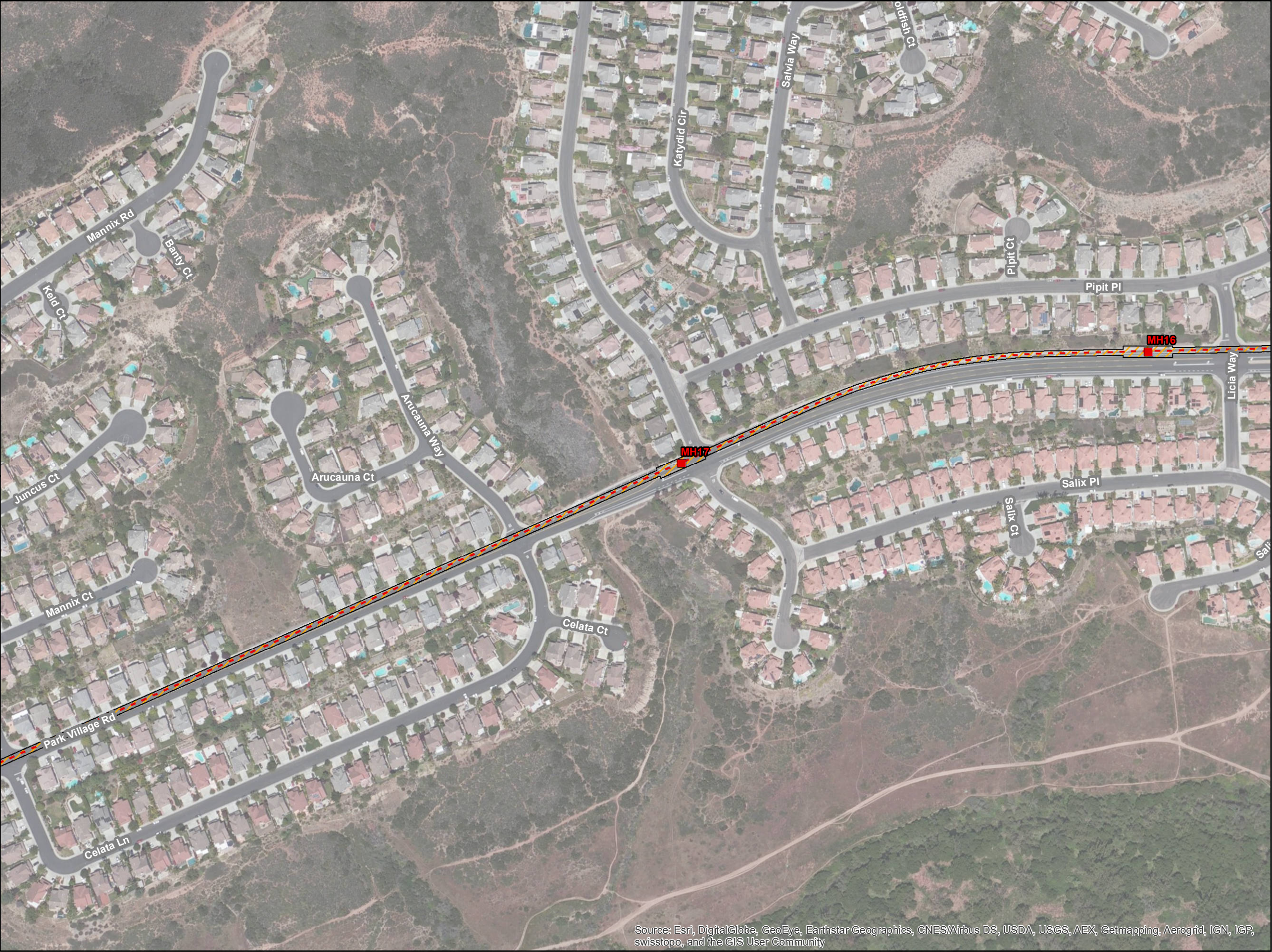
- Legend**
- Splice Vault
 - Transmission Lines**
 - - 230-kV (Proposed Underground)
 - Alternative 3 Work Areas**
 - Underground Construction



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

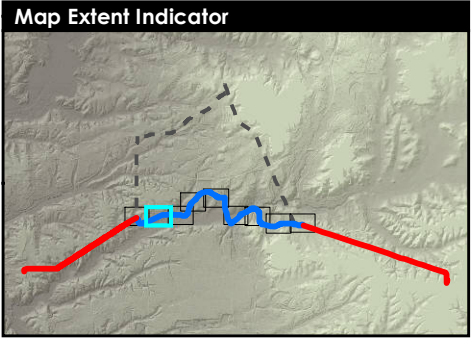


Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



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

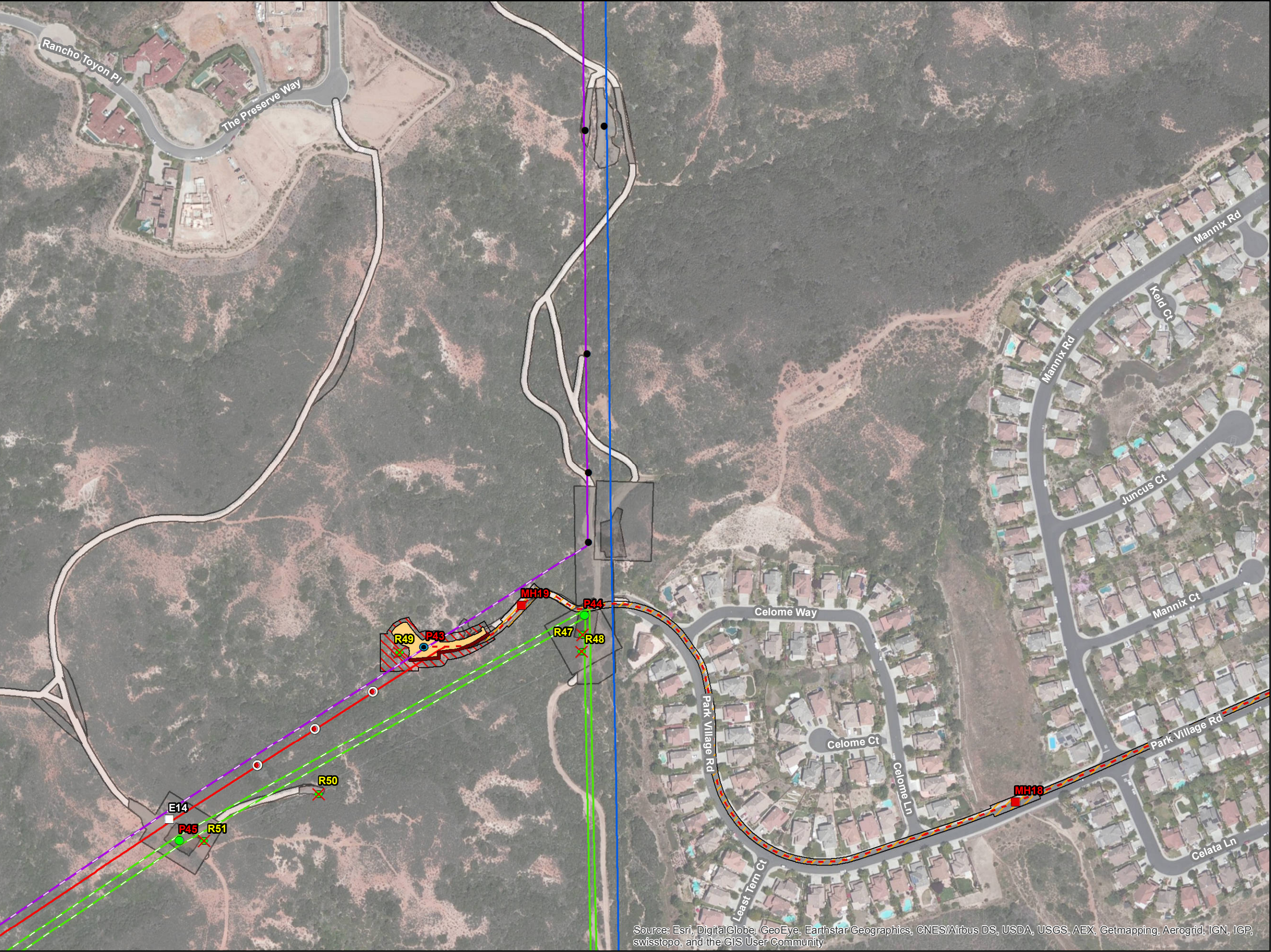
- Legend**
- Splice Vault
 - Transmission Lines**
 - - 230-kV (Proposed Underground)
 - Alternative 3 Work Areas**
 - ▨ Underground Construction



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-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

Map Extent Indicator

Scale = 1:3,000

0 100 200 Feet

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

PANORAMA

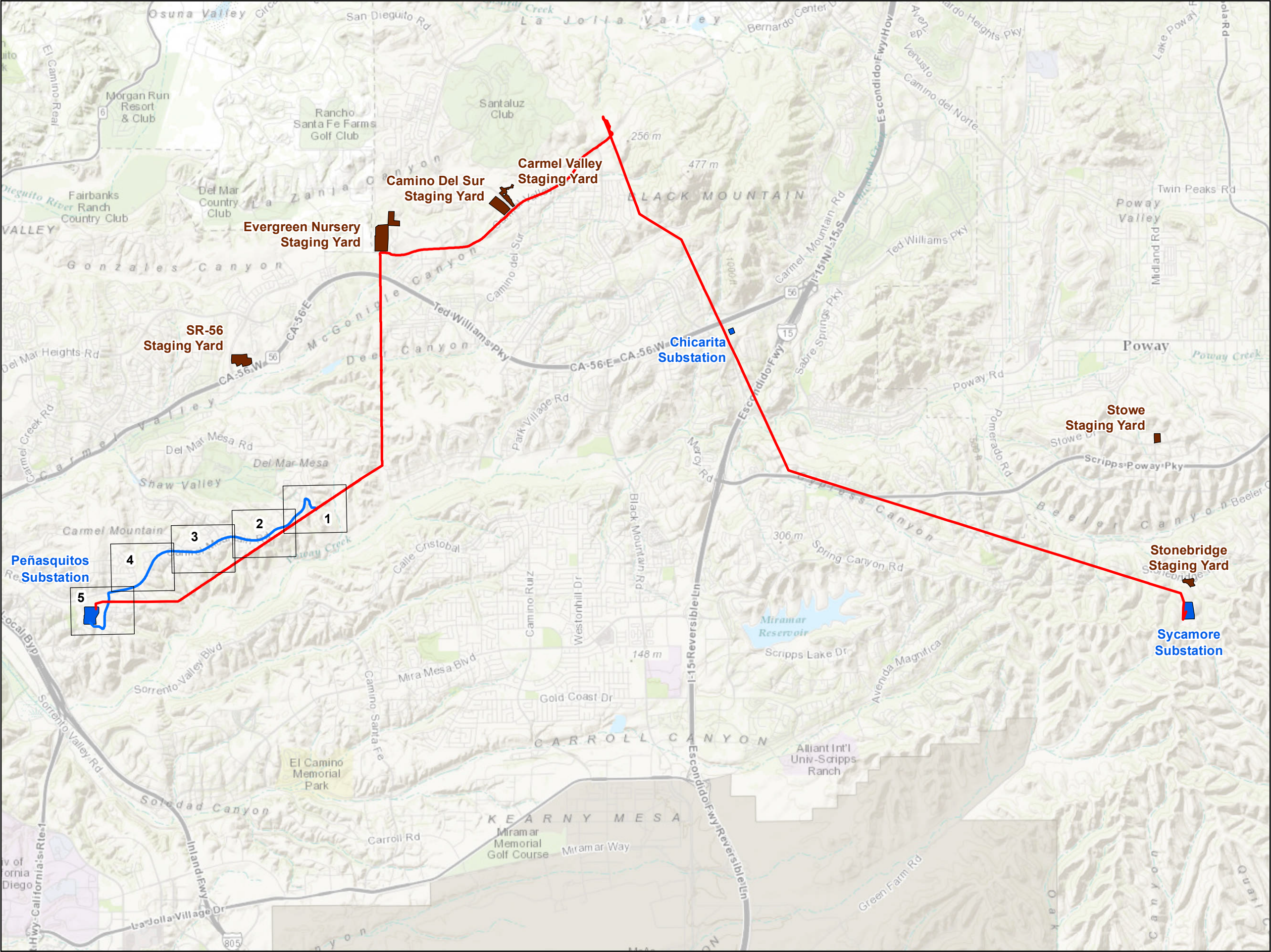
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

APPENDIX E DETAILED ALTERNATIVE ROUTE MAPS

ALTERNATIVE 4 DETAIL MAPS

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

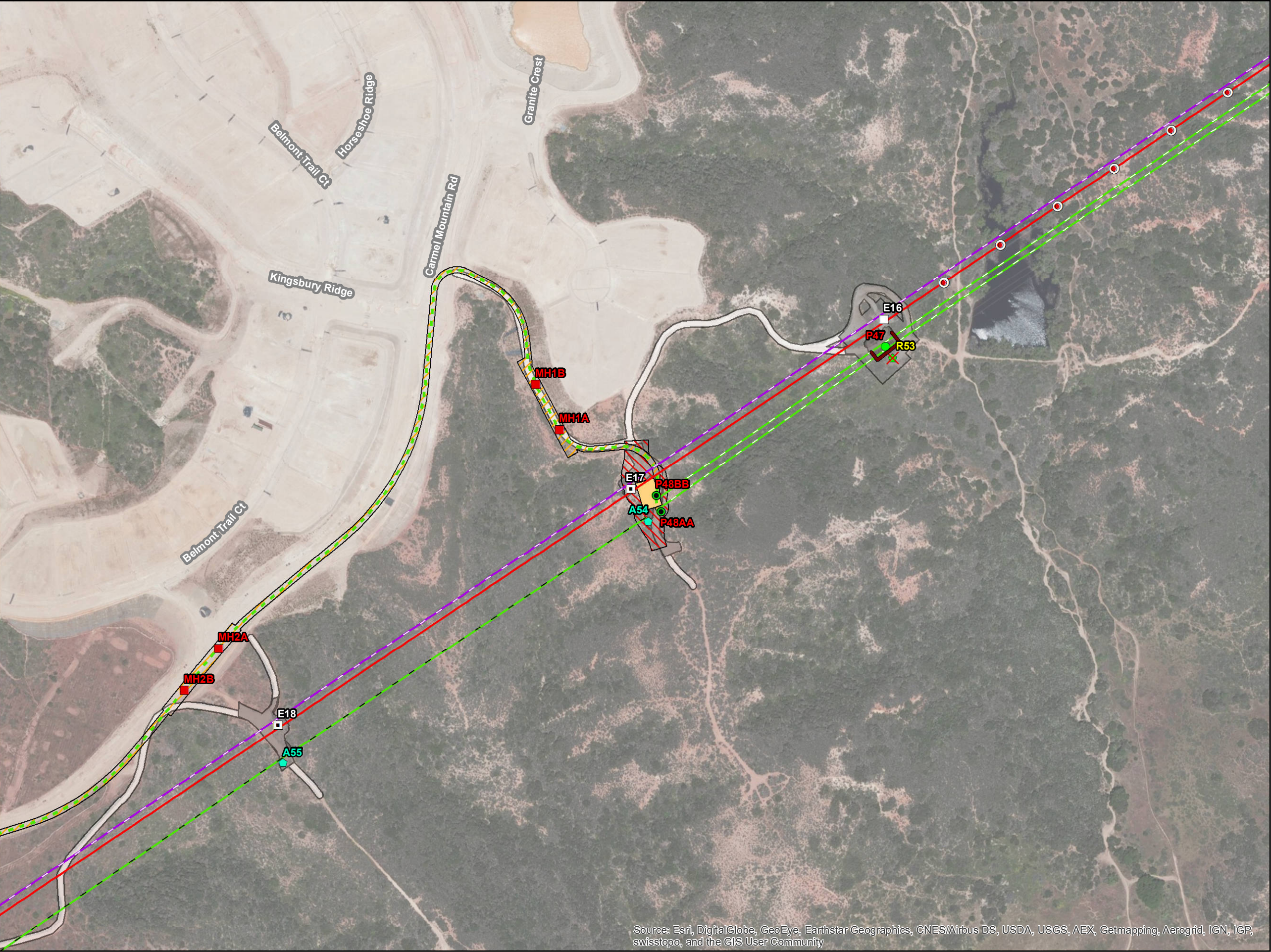
- Proposed Project Alignment
- Alternative 4 Alignment
- Substation
- Staging Yard
- Map Frame

Scale = 1:60,000

0 0.5 1 Miles

Date Created: 9/3/2015

PANORAMA



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)

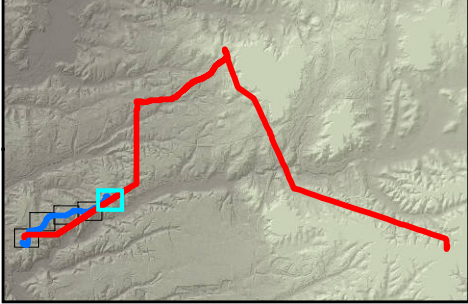
Alternative 4 Work Areas

- Structure Pad
- Structure Installation/Removal
- Underground Construction

Proposed Project Work

- Permenant Structure Pad
- Temporary Work Area
- Access Road

Map Extent Indicator

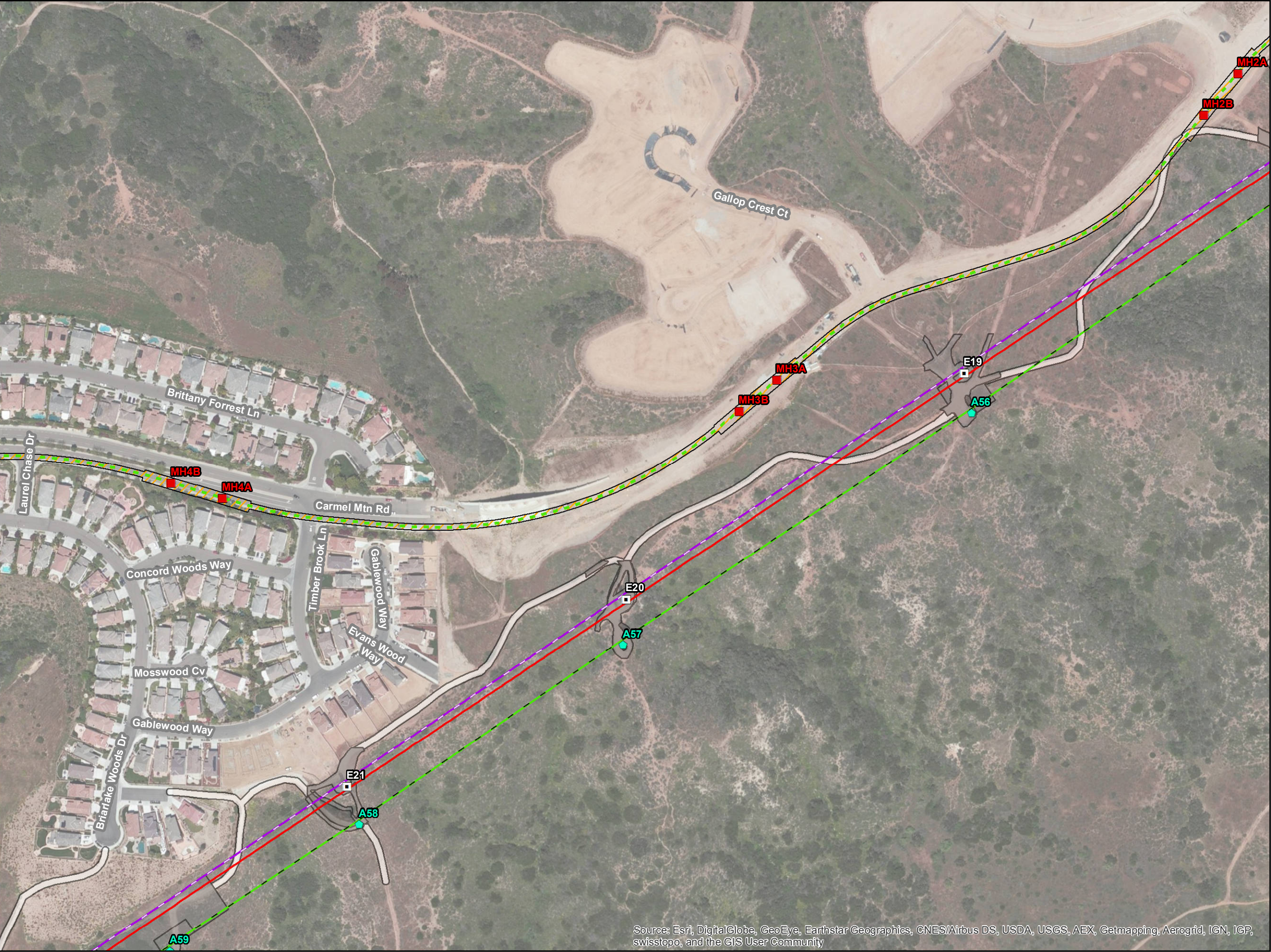


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Aerial Imagery: 5/30/2014
Date Created: 9/3/2015



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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



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)
- 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**
 - Permenant Structure Pad
 - Temporary Work Area
 - Access Road

Map Extent Indicator

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-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

Map Extent Indicator

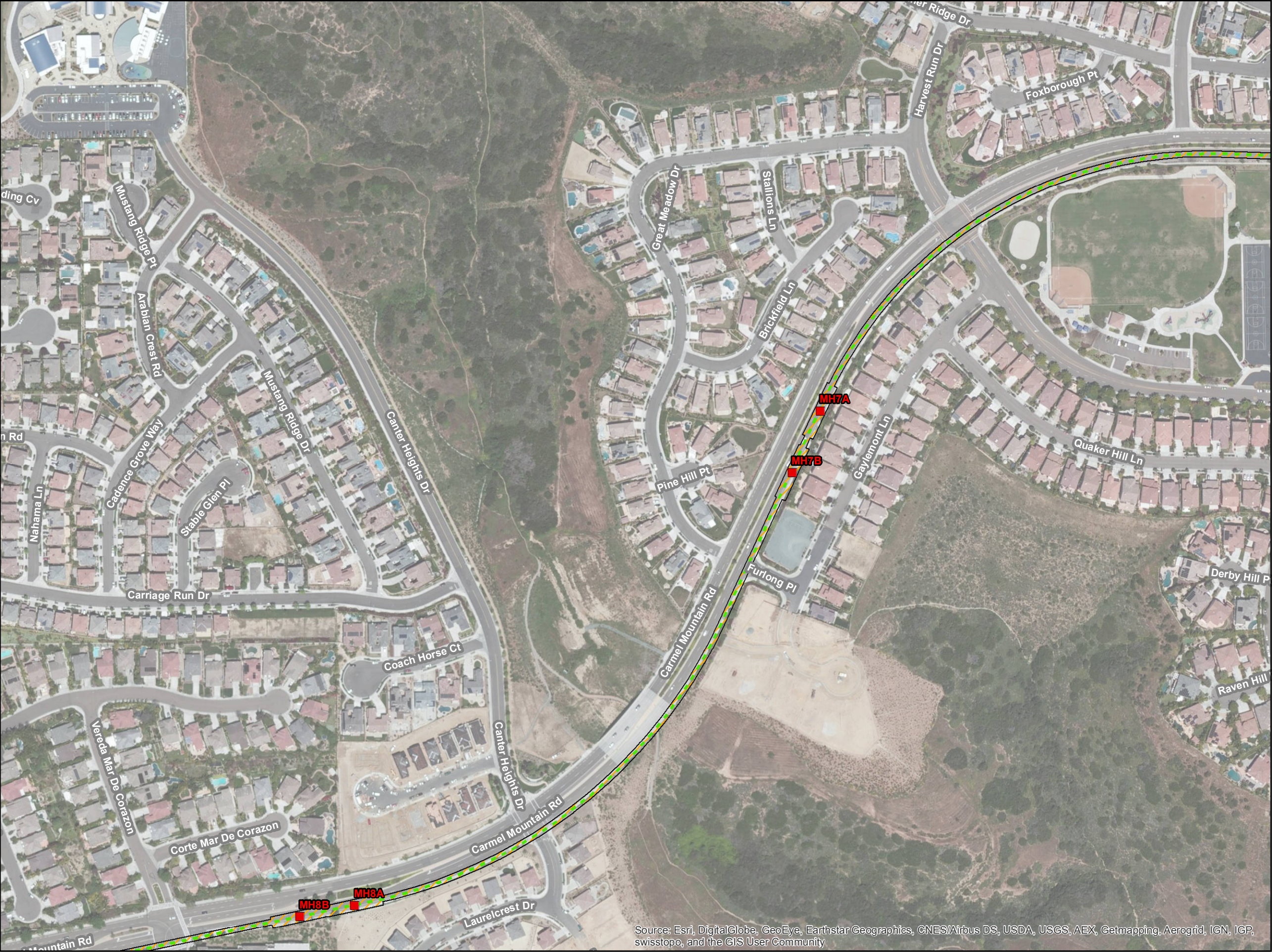
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0 100 200 Feet

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-5: Alternative 4 Detail (Map 4 of 5)

Legend

■

Splice Vault

—

Power Lines

—

69-kV (Proposed Underground)

▨

Alternative 4 Work

▨

Underground Construction

Map Extent Indicator

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-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

Map Extent Indicator

Scale = 1:3,000

0 100 200 Feet

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

PANORAMA

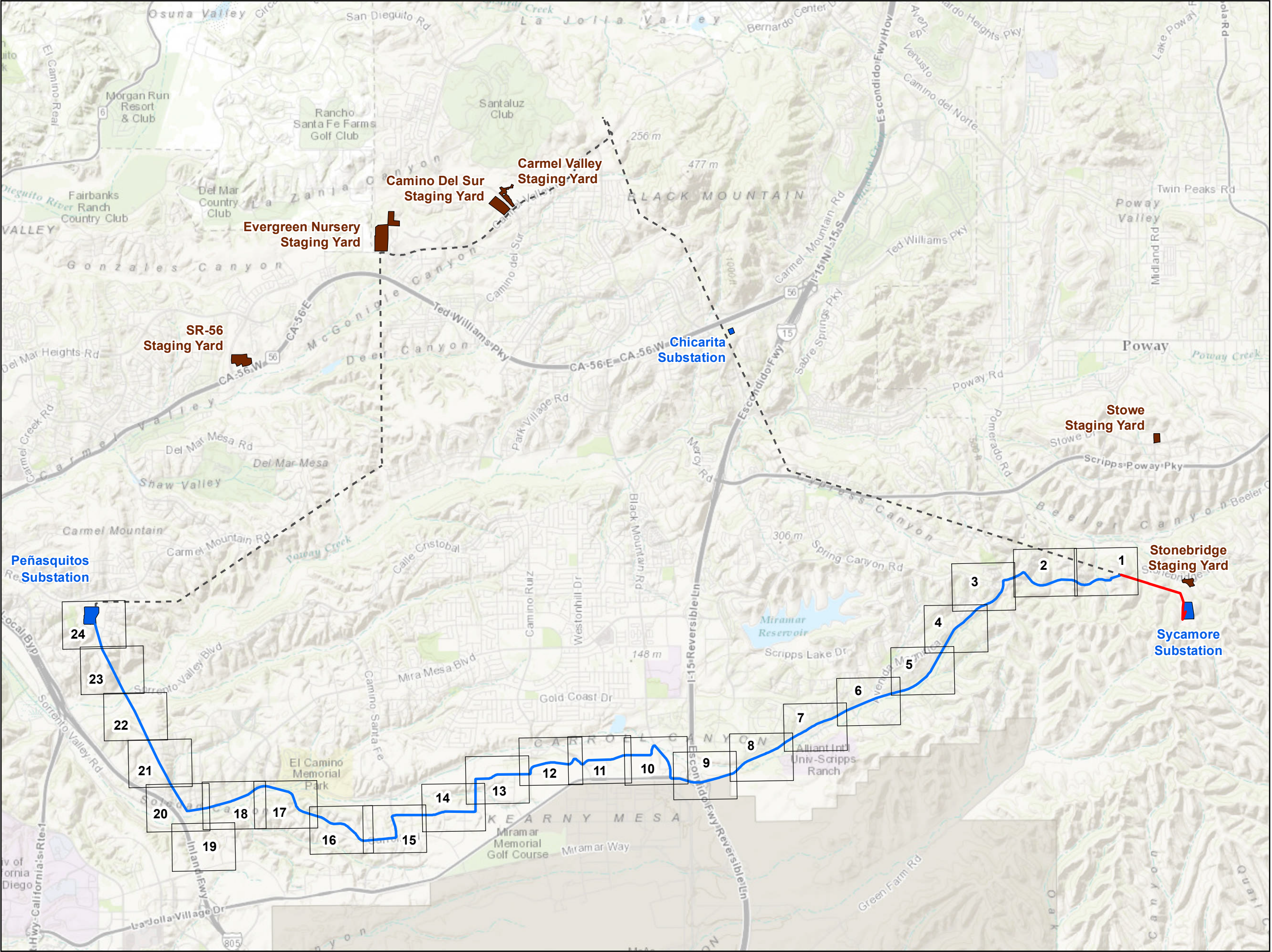
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

APPENDIX E DETAILED ALTERNATIVE ROUTE MAPS

ALTERNATIVE 5 DETAIL MAPS

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

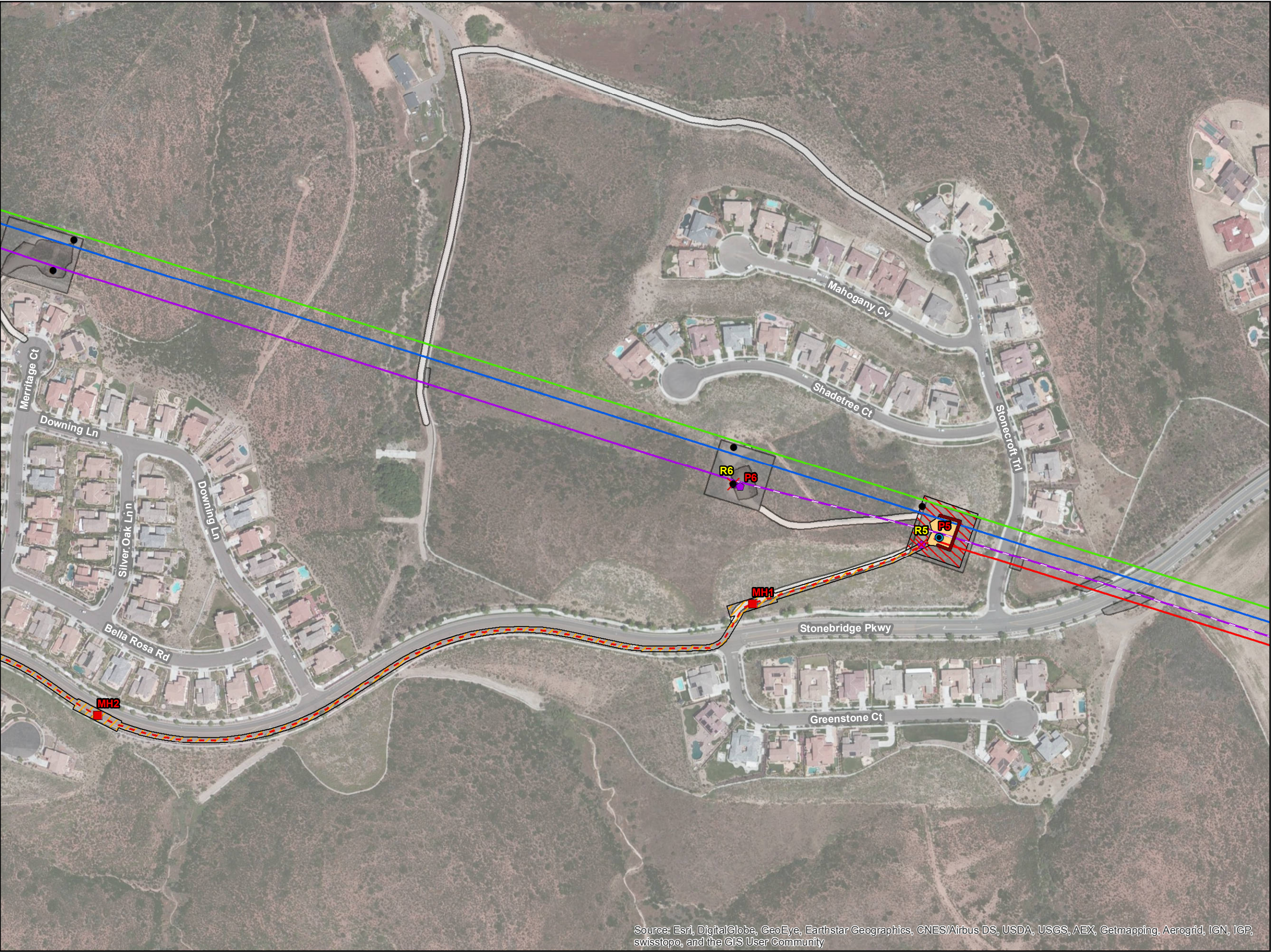
- Alternative 5 Alignment
- Proposed Project Alignment
- Proposed Project Alignment Avoided
- Substation
- Staging Yard
- Map Frame

Scale = 1:60,000

0 0.5 1 Miles

Date Created: 9/3/2015

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

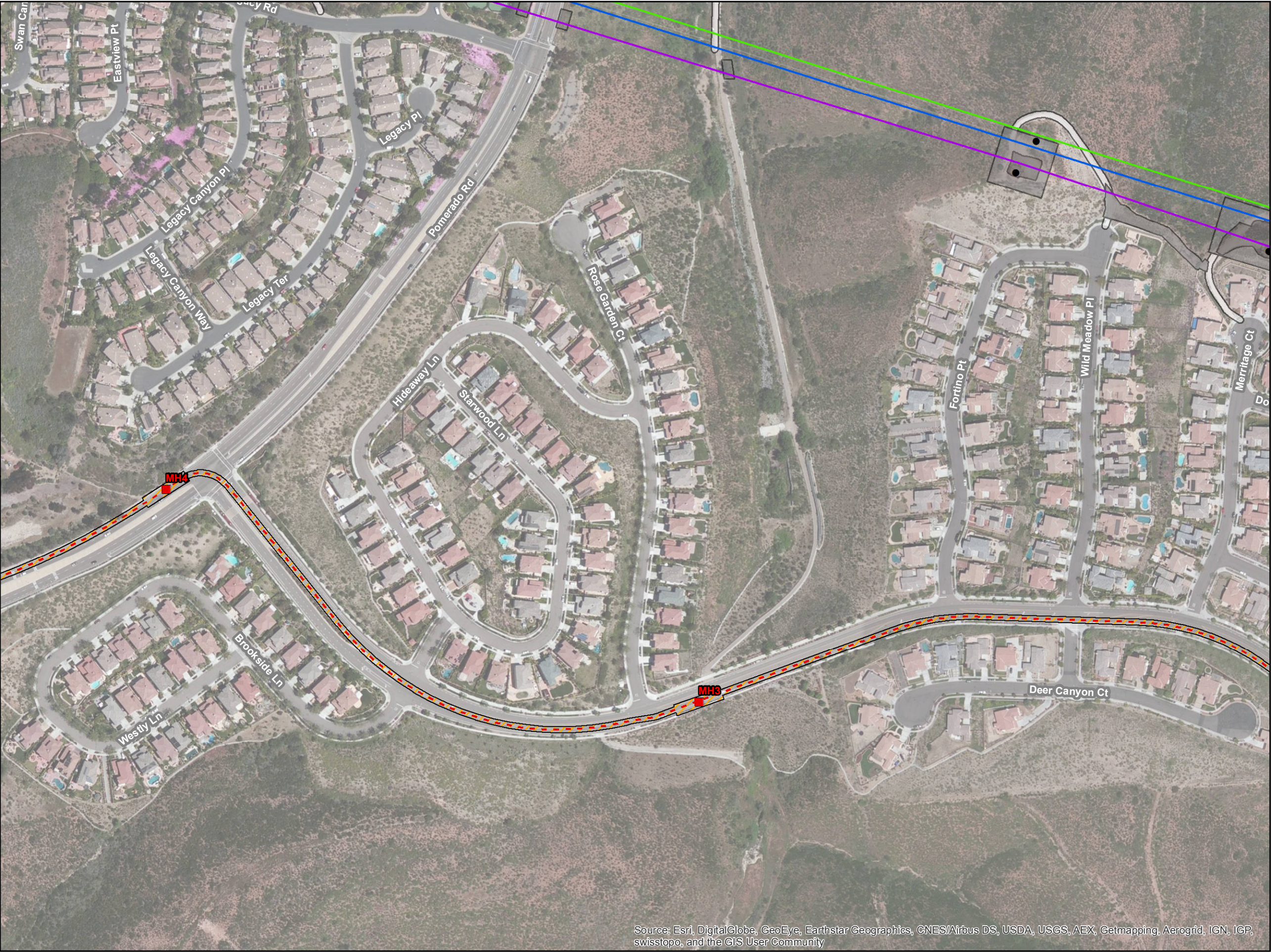
Proposed Project Work

- Permanent Structure Pad
- Temporary Work Area
- Access Road

Map Extent Indicator

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 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

Map Extent Indicator

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

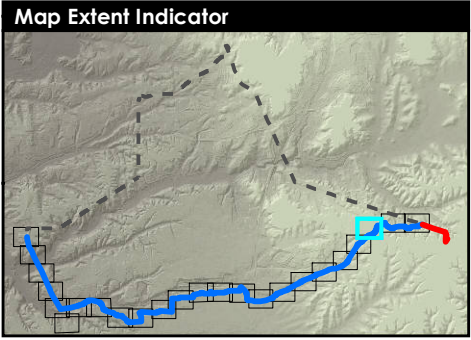


**Sycamore-Peñasquitos 230-kV
Transmission Line Project**

Figure E-6: Alternative 5 Detail
(Map 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

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

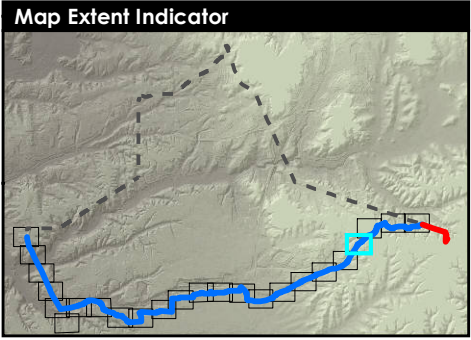


**Sycamore-Peñasquitos 230-kV
Transmission Line Project**

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



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

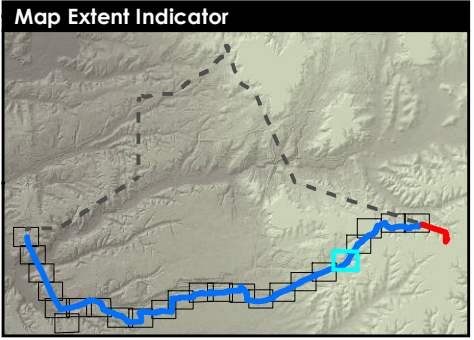


Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



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

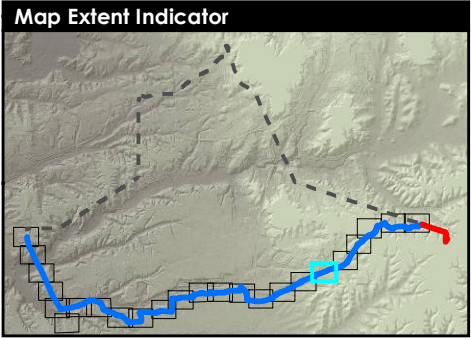


Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



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

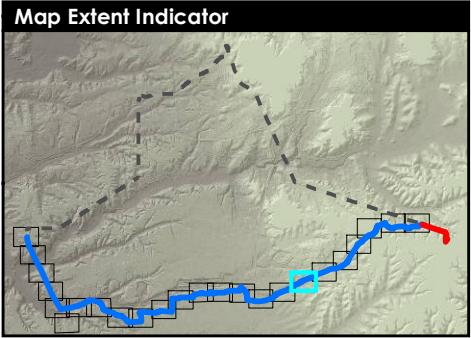


Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



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



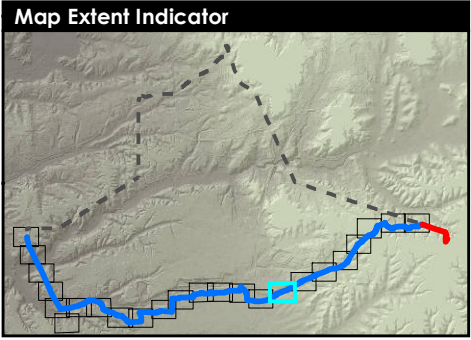
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



Sycamore-Peñasquitos 230-kV Transmission Line Project

Figure E-6: Alternative 5 Detail
(Map 8 of 24)

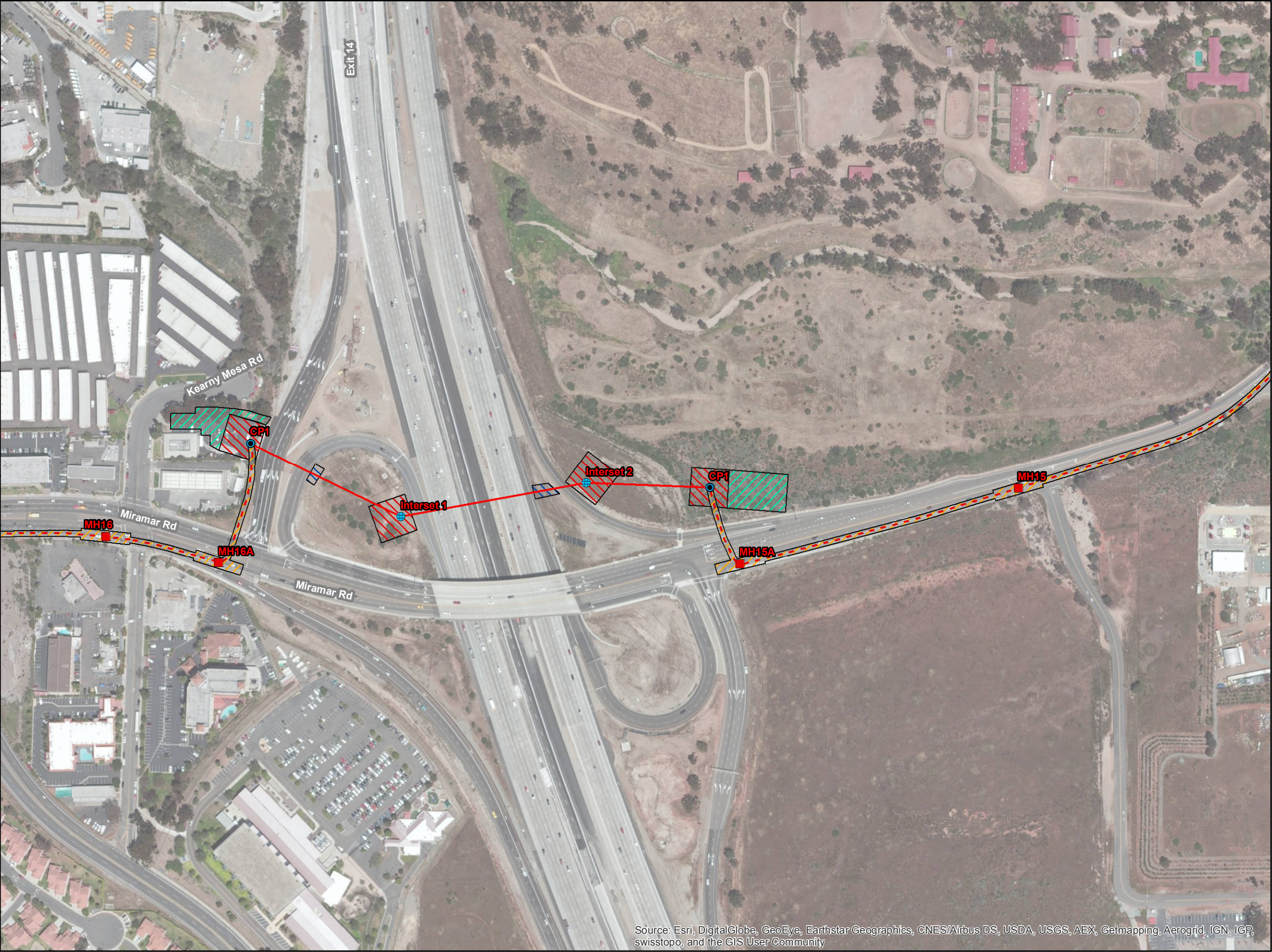
- Legend**
- Splice Vault
 - Transmission Lines**
 - - 230-kV (Proposed Underground)
 - Alternative 5 Work Areas**
 - ▨ Underground Construction



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

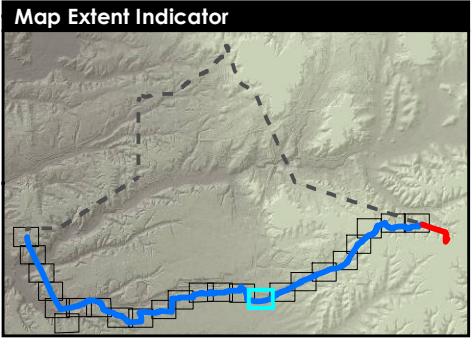

PANORAMA

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 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
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



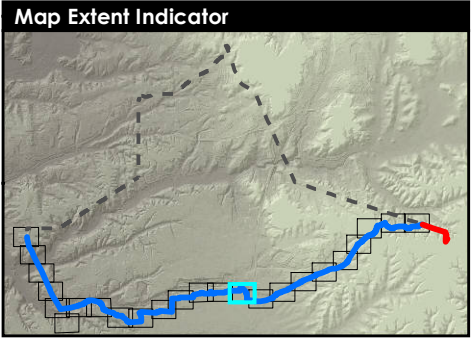
Sycamore-Peñasquitos 230-kV Transmission Line Project

Figure E-6: Alternative 5 Detail
(Map 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

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



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



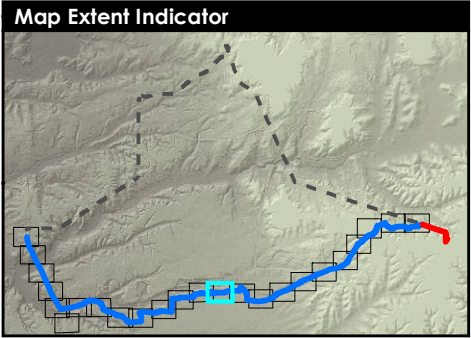


**Sycamore-Peñasquitos 230-kV
Transmission Line Project**

Figure E-6: Alternative 5 Detail
(Map 11 of 24)

Legend

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



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

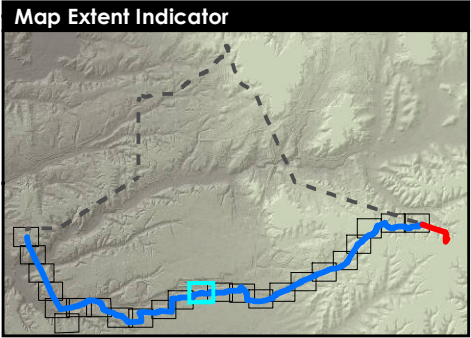


Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



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





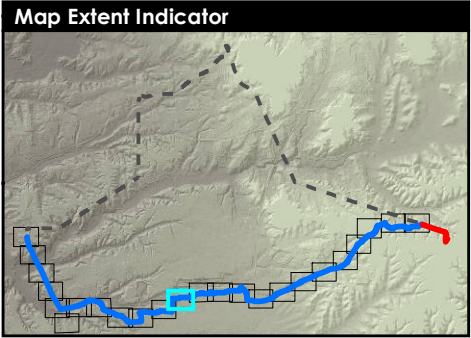
**Sycamore-Peñasquitos 230-kV
Transmission Line Project**

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

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



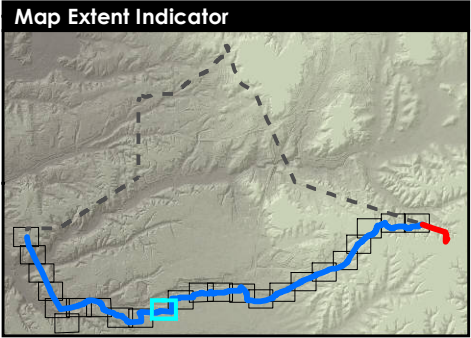
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Aerial Imagery: 5/30/2014
Date Created: 9/3/2015





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
0 100 200 Feet
Aerial Imagery: 5/30/2014
Date Created: 9/3/2015

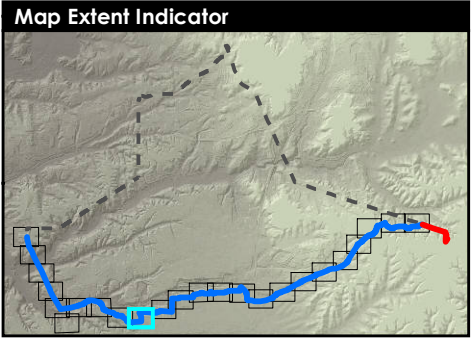


Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



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

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



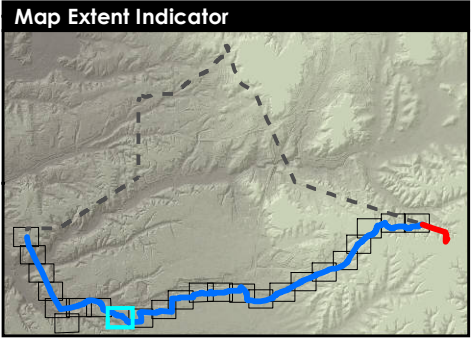
Scale = 1:3,000
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Aerial Imagery: 5/30/2014
Date Created: 9/3/2015





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
0 100 200 Feet
Aerial Imagery: 5/30/2014
Date Created: 9/3/2015

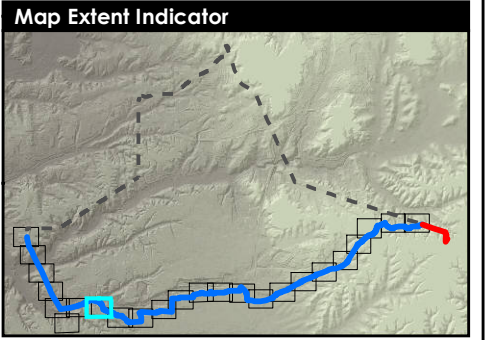


Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



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

- Legend**
- Splice Vault
 - 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

PANORAMA

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

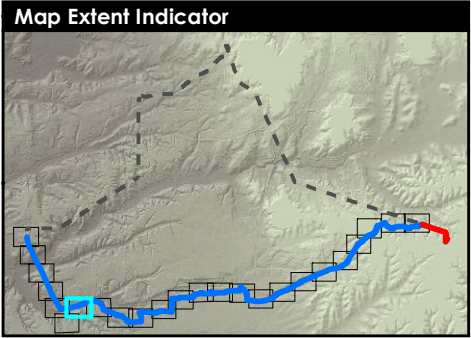


**Sycamore-Peñasquitos 230-kV
Transmission Line Project**

Figure E-6: Alternative 5 Detail
(Map 18 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

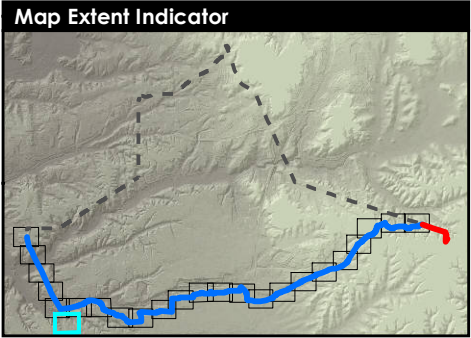


Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



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





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)

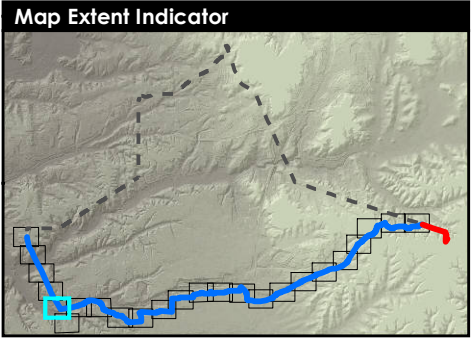
- 230-kV Tubular Steel Pole
- (Structure Not Part of Project)

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
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 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

Map Extent Indicator

Scale = 1:3,000

0 100 200 Feet

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

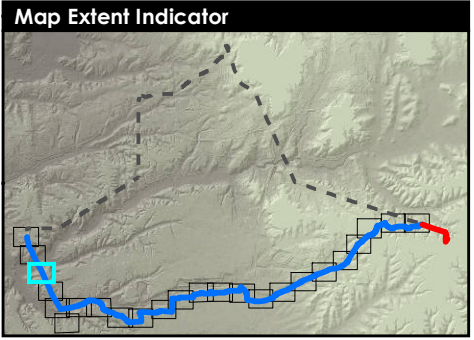
PANORAMA

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)

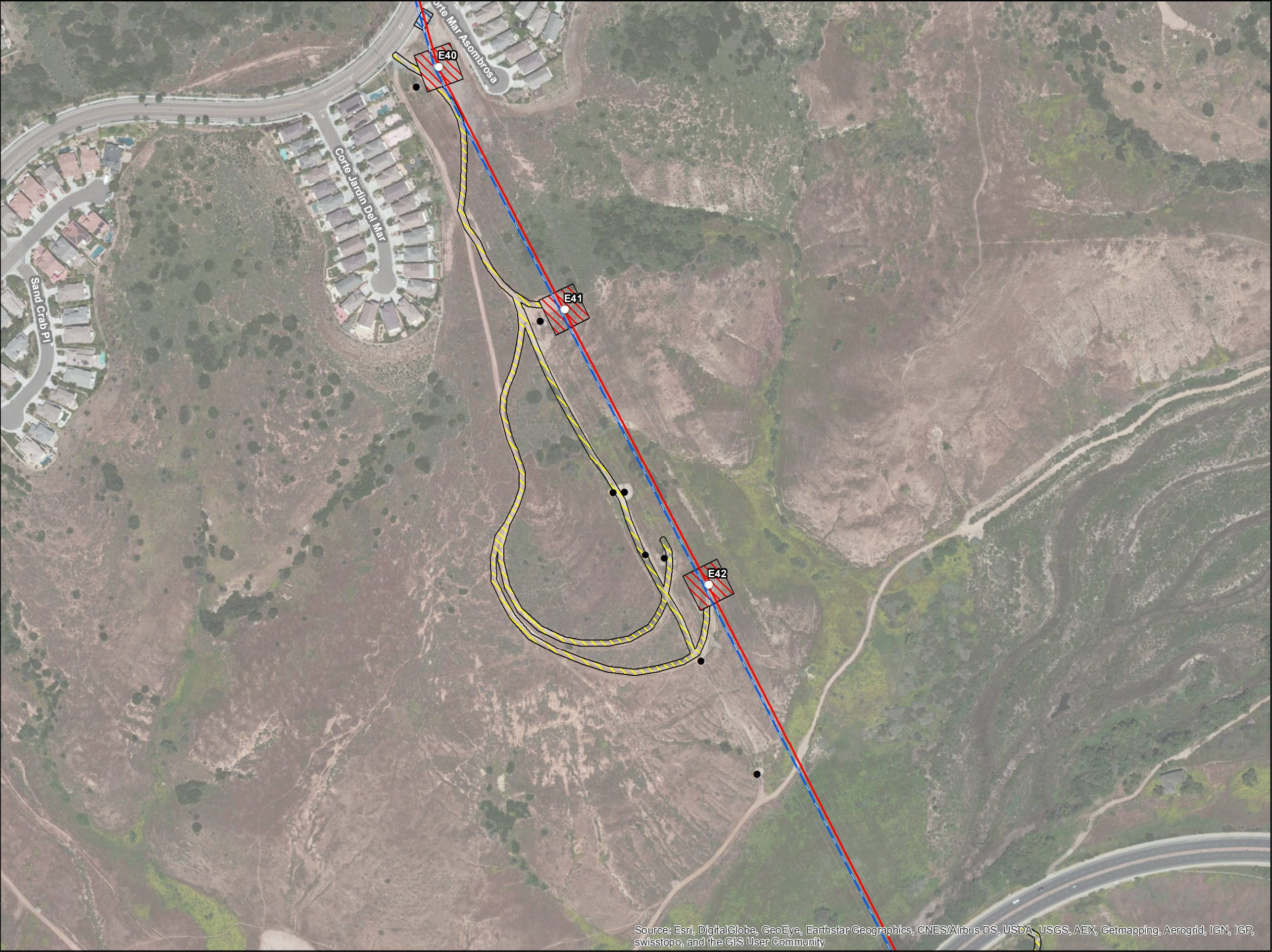
- Legend**
- Existing Structures (To**
- 230-kV Tubular Steel Pole
 - (Structure Not Part of Project)
- Transmission Lines**
- 230-kV (Proposed Overhead)
 - 230-kV (Relocated Overhead)
- Alternative 5 Work**
- ▨ Structure Installation/Removal
 - ▨ Stringing Site
 - ▨ Guard Structure
 - ▨ Access Road



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

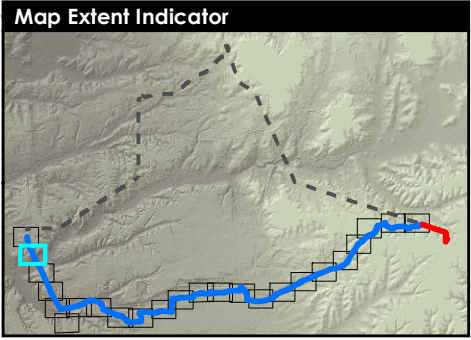


Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



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

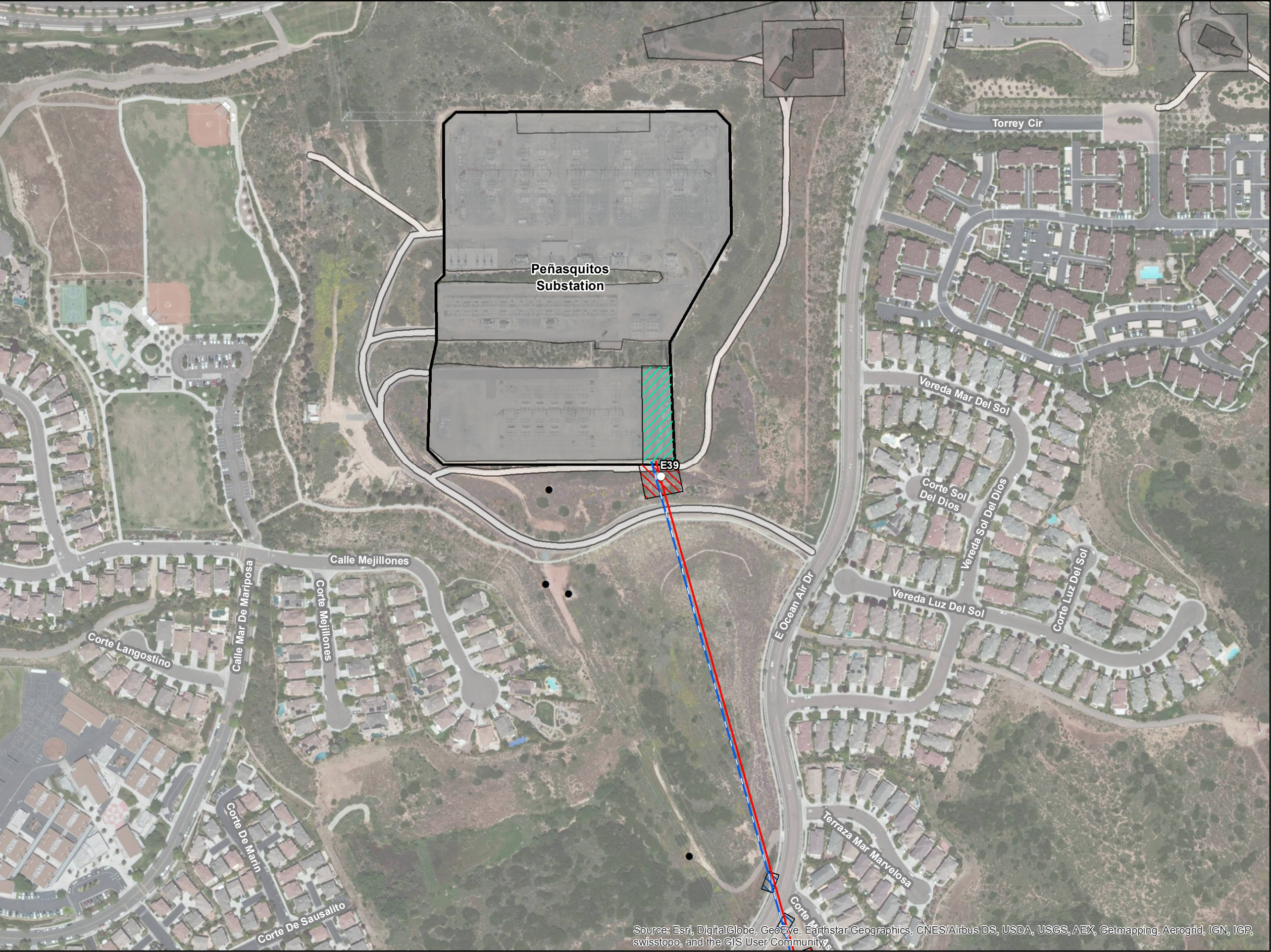
- Legend**
- Existing Structures (To**
- 230-kV Tubular Steel Pole
 - (Structure Not Part of Project)
- Transmission Lines**
- 230-kV (Proposed Overhead)
 - 230-kV (Relocated Overhead)
- Alternative 5 Work**
- ▨ Structure Installation/Removal
 - ▨ Guard Structure
 - ▨ Access Road



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

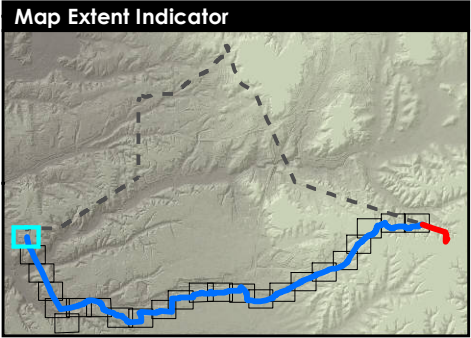


Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



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



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