



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

Final Design Route Map

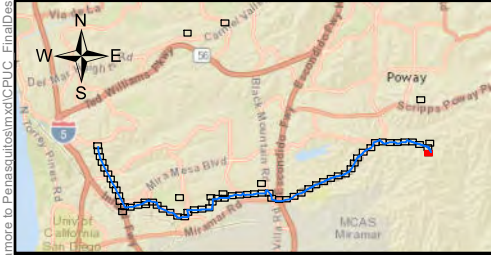
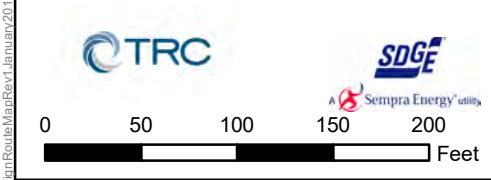
Rev.1 (January 2017)*

Sheet 1 of 69

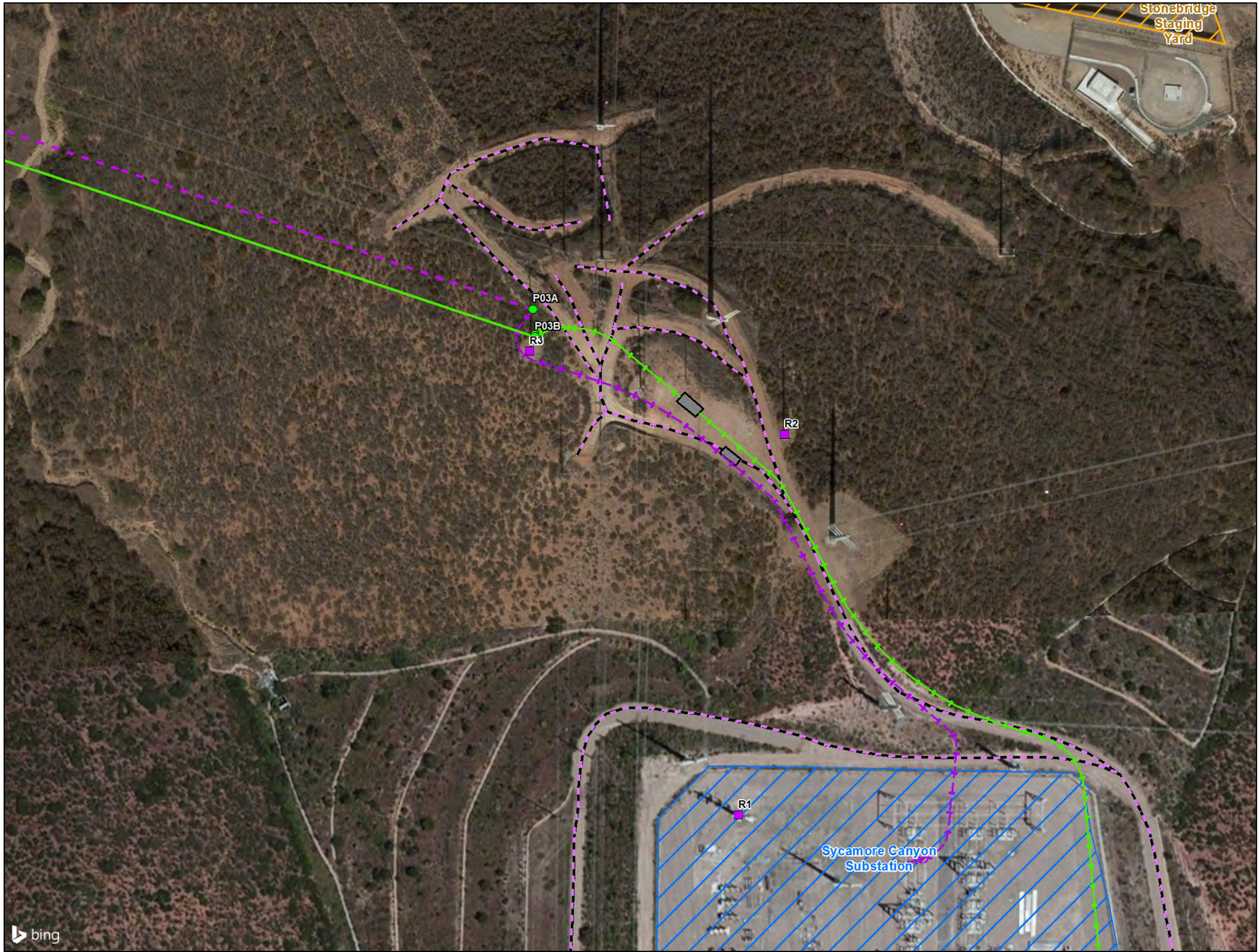
- Final Design**
- Existing Structure
 - Proposed Structure
 - Proposed New ADSS Interset Structure
 - Removed Pole
 - AC Mitigation Location
 - ✱ Entrance Point
 - New 230kV Overhead
 - - Reconductor 230kV Overhead
 - - Reconductor 138kV Overhead
 - New 230 kV Underground
 - - Reconductor 138 kV Underground
 - - Access Road
 - ▬ Retaining Wall
 - Underground Vault
 - ▭ Potential Staging Yard
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**Sycamore to Peñasquitos
230kV Transmission Line Project**

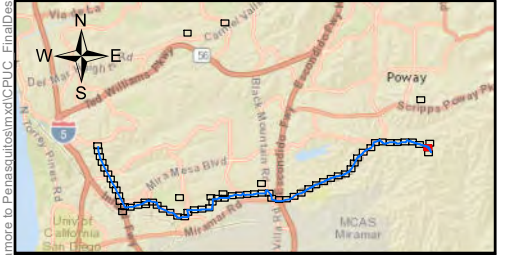
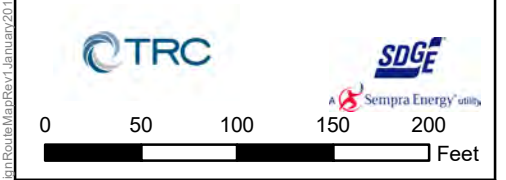
Final Design Route Map

Rev.1 (January 2017)*

Sheet 2 of 69

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

Final Design Route Map

Rev.1 (January 2017)*

Sheet 3 of 69

Final Design

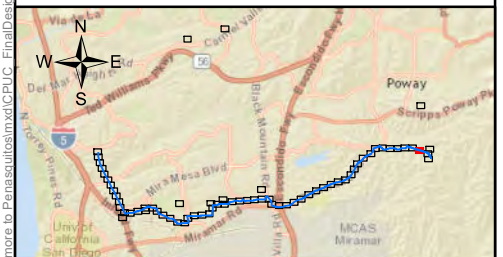
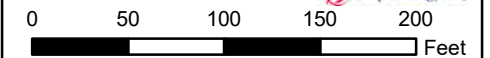
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**Sycamore to Peñasquitos
230kV Transmission Line Project**

Final Design Route Map

Rev.1 (January 2017)*

Sheet 4 of 69

Final Design

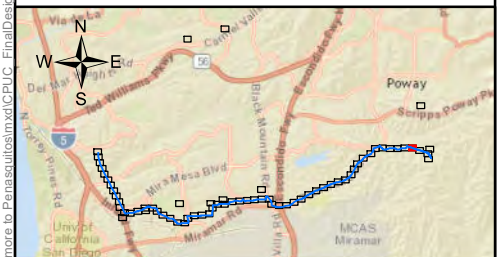
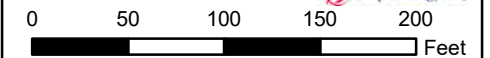
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**Sycamore to Peñasquitos
230kV Transmission Line Project**

Final Design Route Map

Rev.1 (January 2017)*

Sheet 5 of 69

Final Design

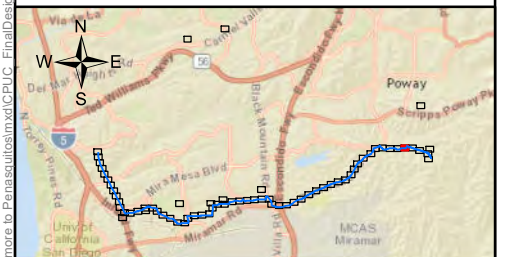
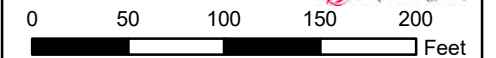
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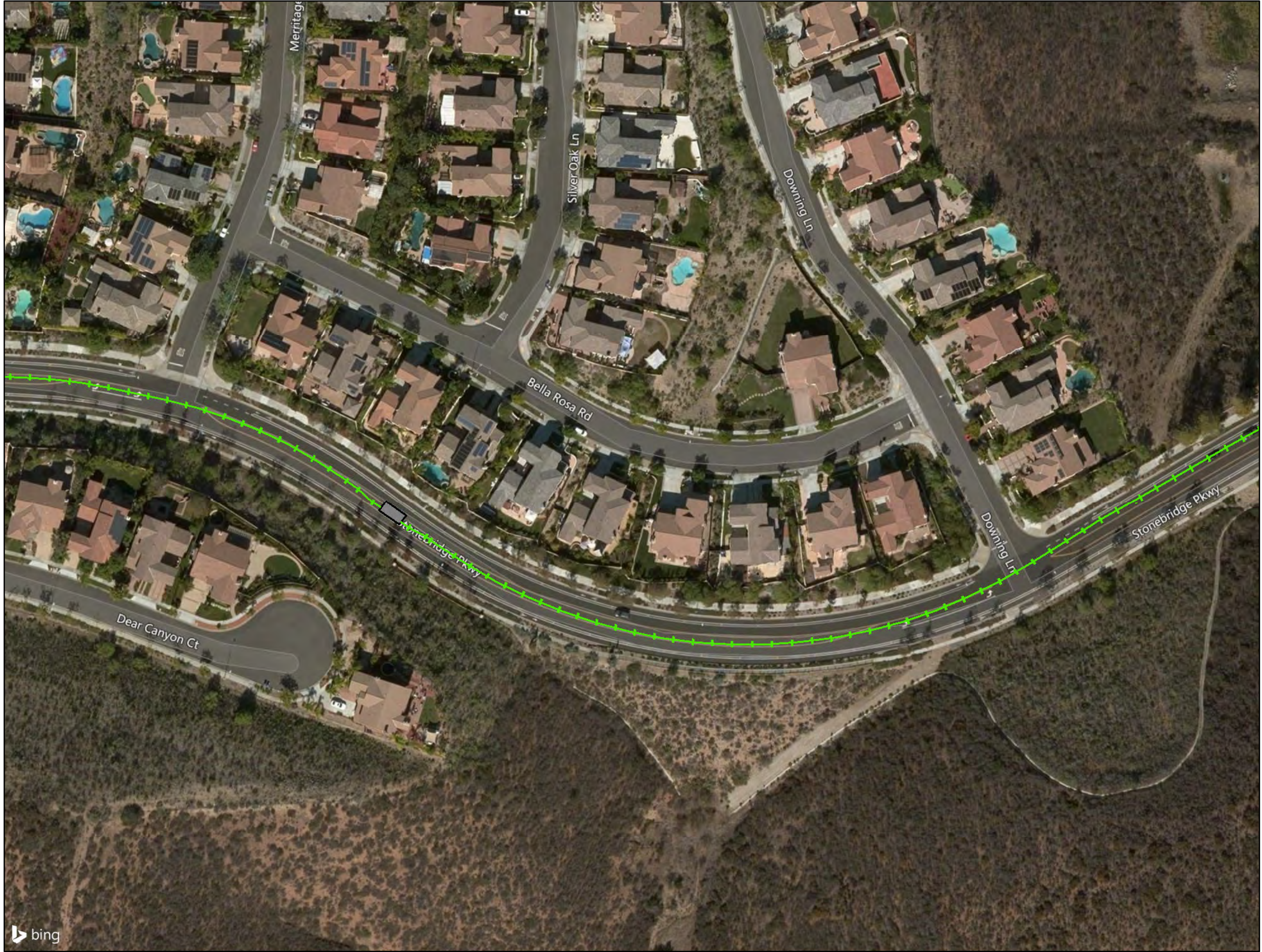
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**Sycamore to Peñasquitos
230kV Transmission Line Project**

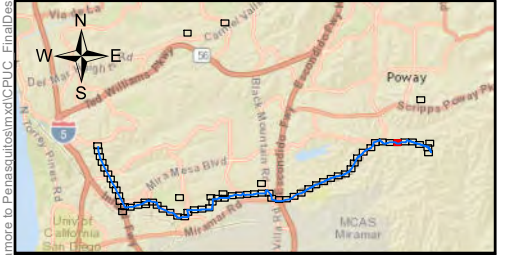
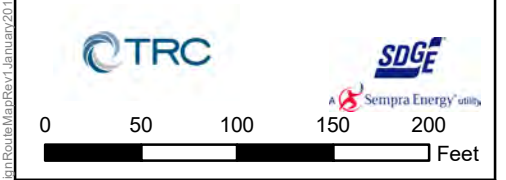
Final Design Route Map

Rev.1 (January 2017)*

Sheet 6 of 69

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

Final Design Route Map

Rev.1 (January 2017)*

Sheet 7 of 69

Final Design

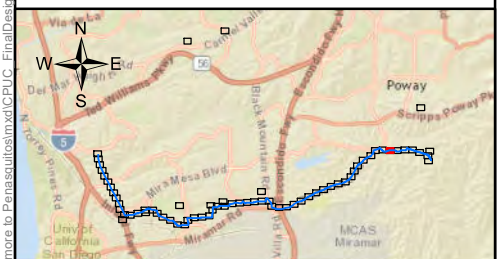
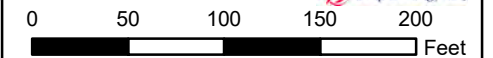
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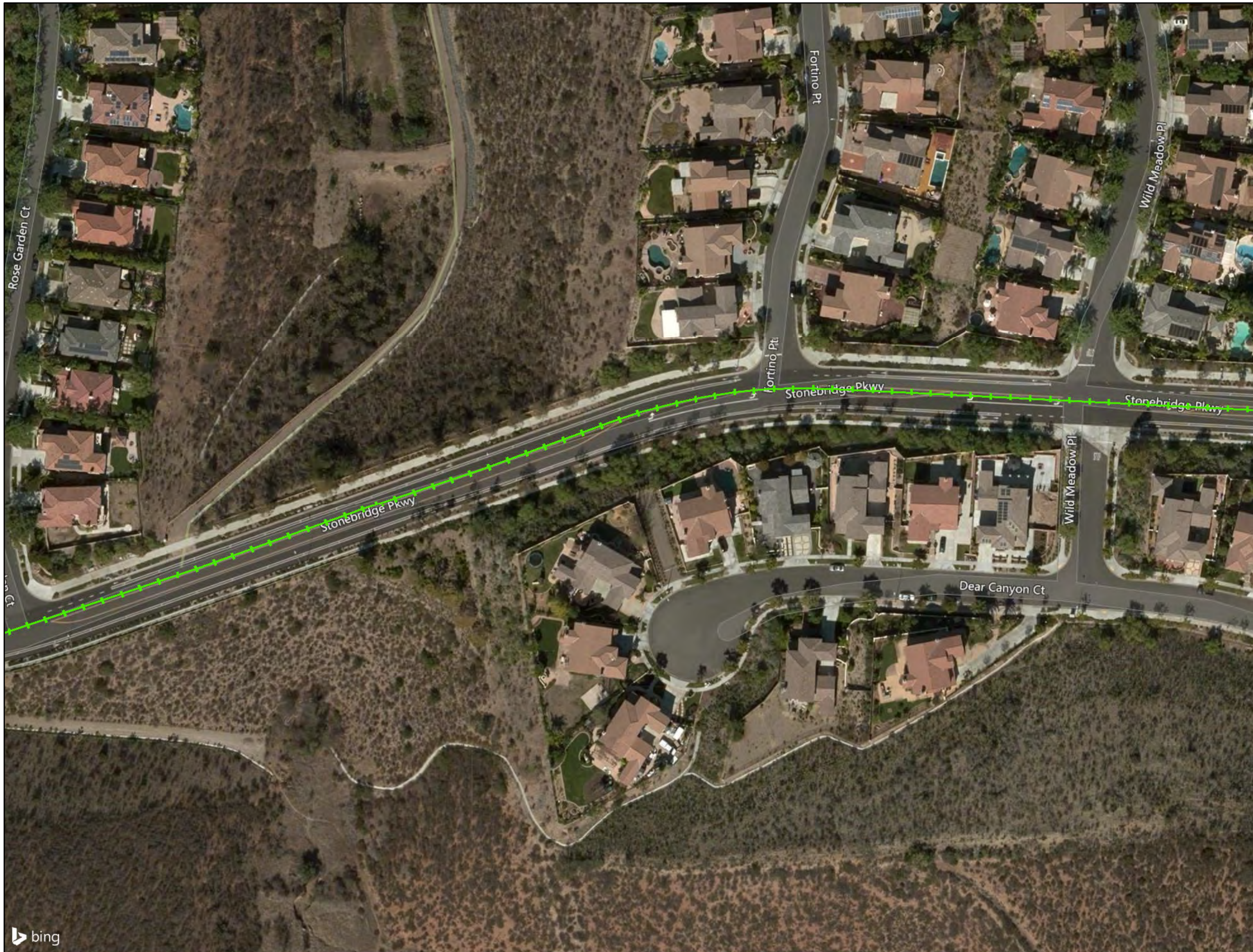
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**Sycamore to Peñasquitos
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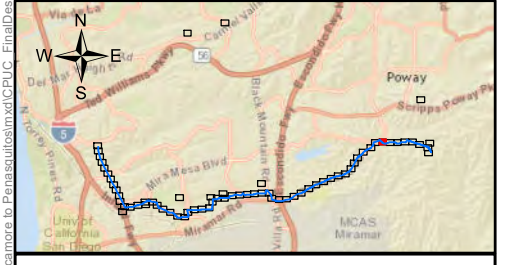
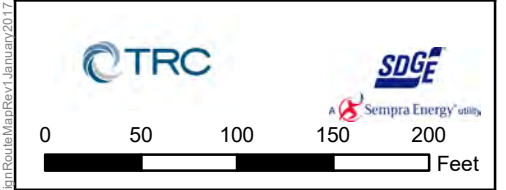
Rev.1 (January 2017)*

Sheet 8 of 69

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**Sycamore to Peñasquitos
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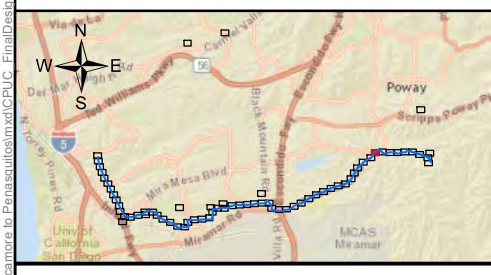
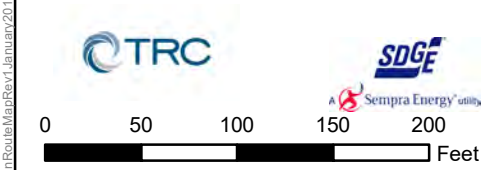
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**Sycamore to Peñasquitos
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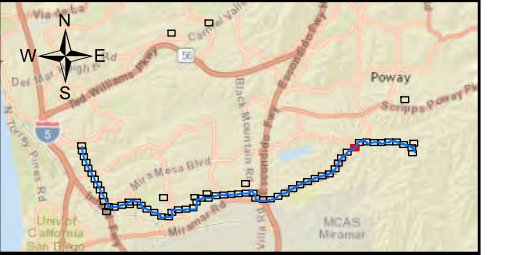
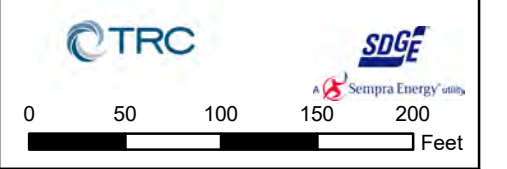
Rev.1 (January 2017)*

Sheet 10 of 69

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**Sycamore to Peñasquitos
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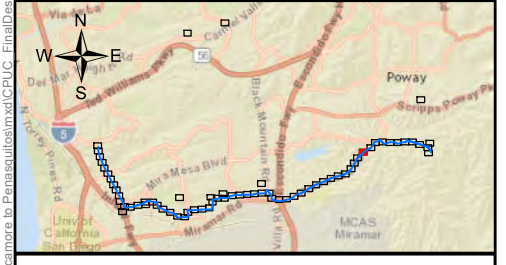
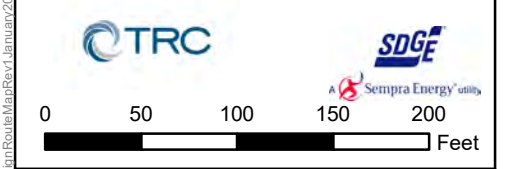
Rev.1 (January 2017)*

Sheet 11 of 69

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**Sycamore to Peñasquitos
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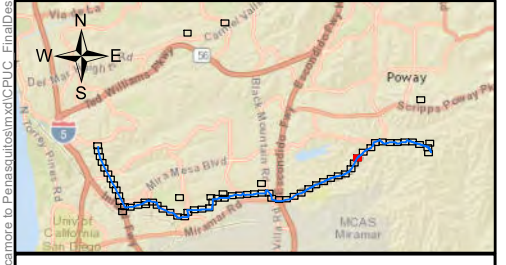
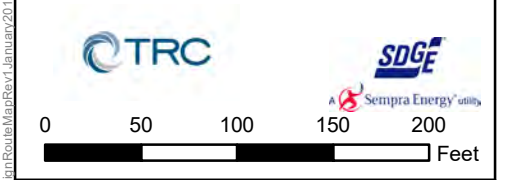
Rev.1 (January 2017)*

Sheet 12 of 69

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**Sycamore to Peñasquitos
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Final Design Route Map

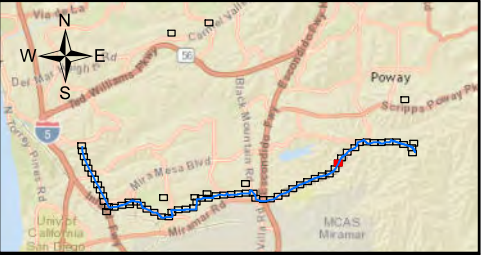
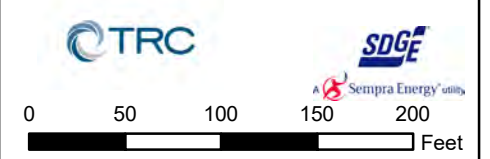
Rev.1 (January 2017)*

Sheet 13 of 69

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Rev.1 (January 2017)*

Sheet 14 of 69

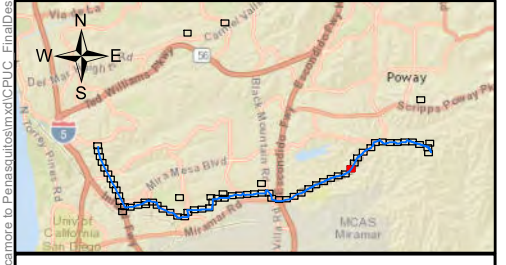
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TRC SDGE
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0 50 100 150 200 Feet



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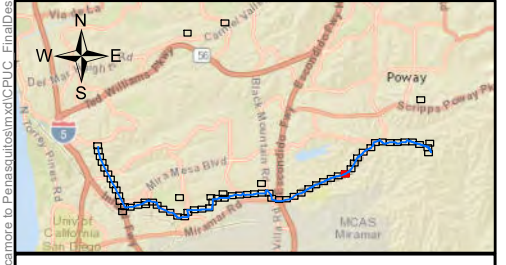
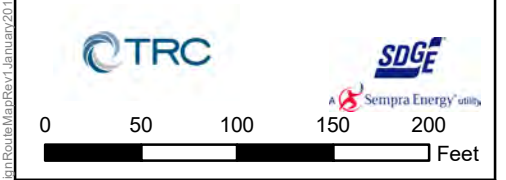
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Rev.1 (January 2017)*

Sheet 15 of 69

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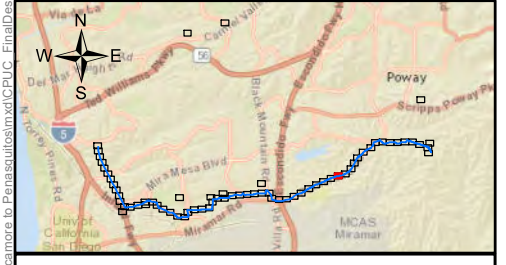
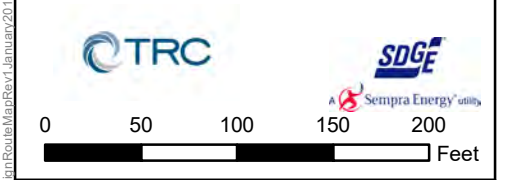
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Sheet 16 of 69

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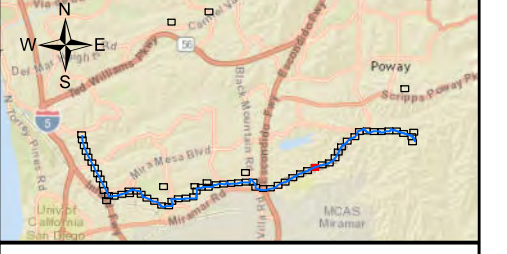
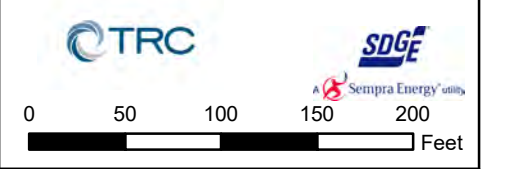
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Rev.1 (January 2017)*

Sheet 17 of 69

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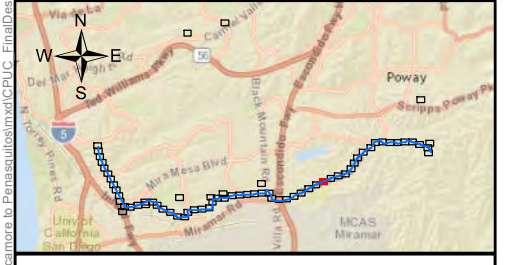
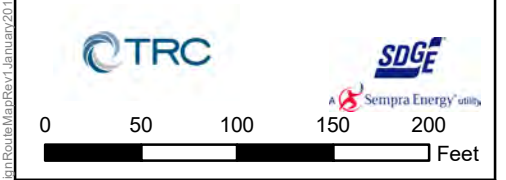
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Rev.1 (January 2017)*

Sheet 18 of 69

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 - - Reconductor 138 kV Underground
 - Access Road
 - ▬ Retaining Wall
 - Underground Vault
 - ▭ Potential Staging Yard
 - ▭ Substation
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**Sycamore to Peñasquitos
230kV Transmission Line Project**


Final Design Route Map


Rev.1 (January 2017)*

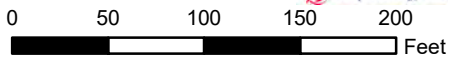
Sheet 19 of 69

- Final Design**
- Existing Structure
 - Proposed Structure
 - Proposed New ADSS Intersect Structure
 - Removed Pole
 - AC Mitigation Location
 - ✱ Entrance Point
 - New 230kV Overhead
 - - Reconductor 230kV Overhead
 - - Reconductor 138kV Overhead
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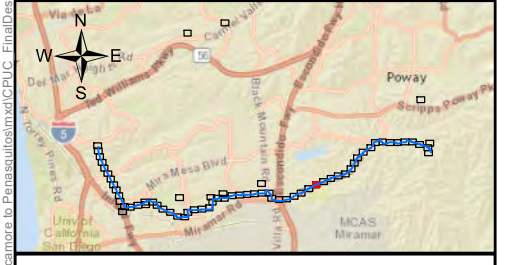
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0 50 100 150 200 Feet



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

Final Design Route Map

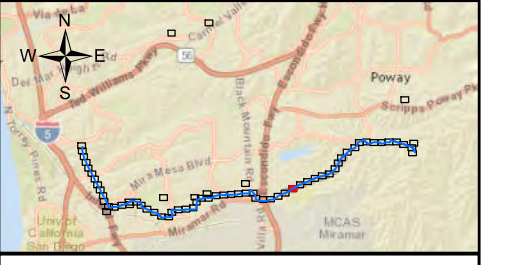
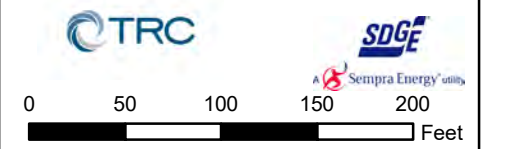
Rev.1 (January 2017)*

Sheet 20 of 69

- Final Design**
- Existing Structure
 - Proposed Structure
 - Proposed New ADSS Intersect Structure
 - Removed Pole
 - AC Mitigation Location
 - ✱ Entrance Point
 - New 230kV Overhead
 - - Reconductor 230kV Overhead
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**Sycamore to Peñasquitos
230kV Transmission Line Project**

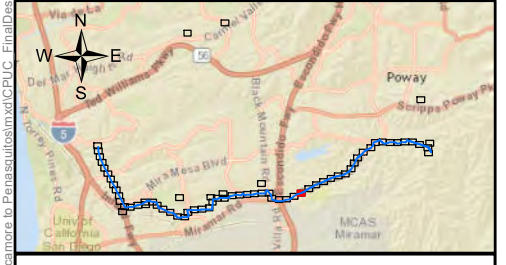
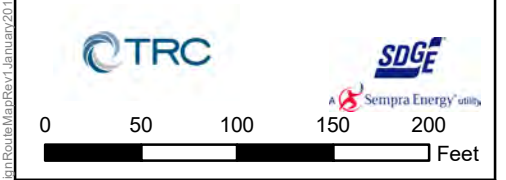
Final Design Route Map

Rev.1 (January 2017)*

Sheet 21 of 69

- Final Design**
- Existing Structure
 - Proposed Structure
 - Proposed New ADSS Intersect Structure
 - Removed Pole
 - AC Mitigation Location
 - ✱ Entrance Point
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**Sycamore to Peñasquitos
230kV Transmission Line Project**

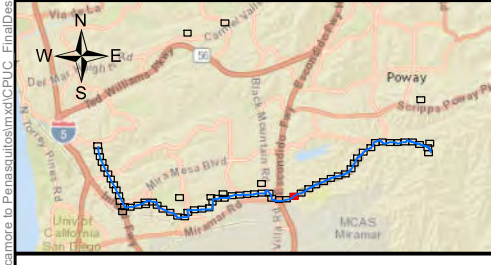
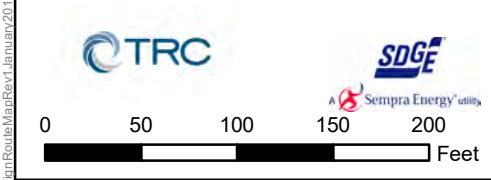
Final Design Route Map

Rev.1 (January 2017)*

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

Final Design Route Map

Rev.1 (January 2017)*



Sheet 23 of 69

Final Design

- Existing Structure
- Proposed Structure
- Proposed New ADSS Intersect Structure
- Removed Pole
- AC Mitigation Location
- ✱ Entrance Point
- New 230kV Overhead
- - Reconductor 230kV Overhead
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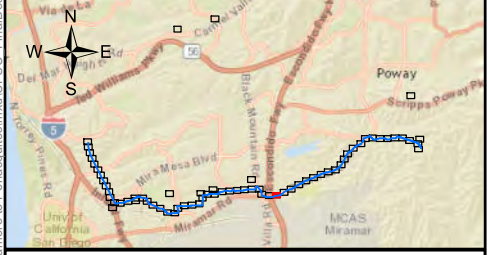
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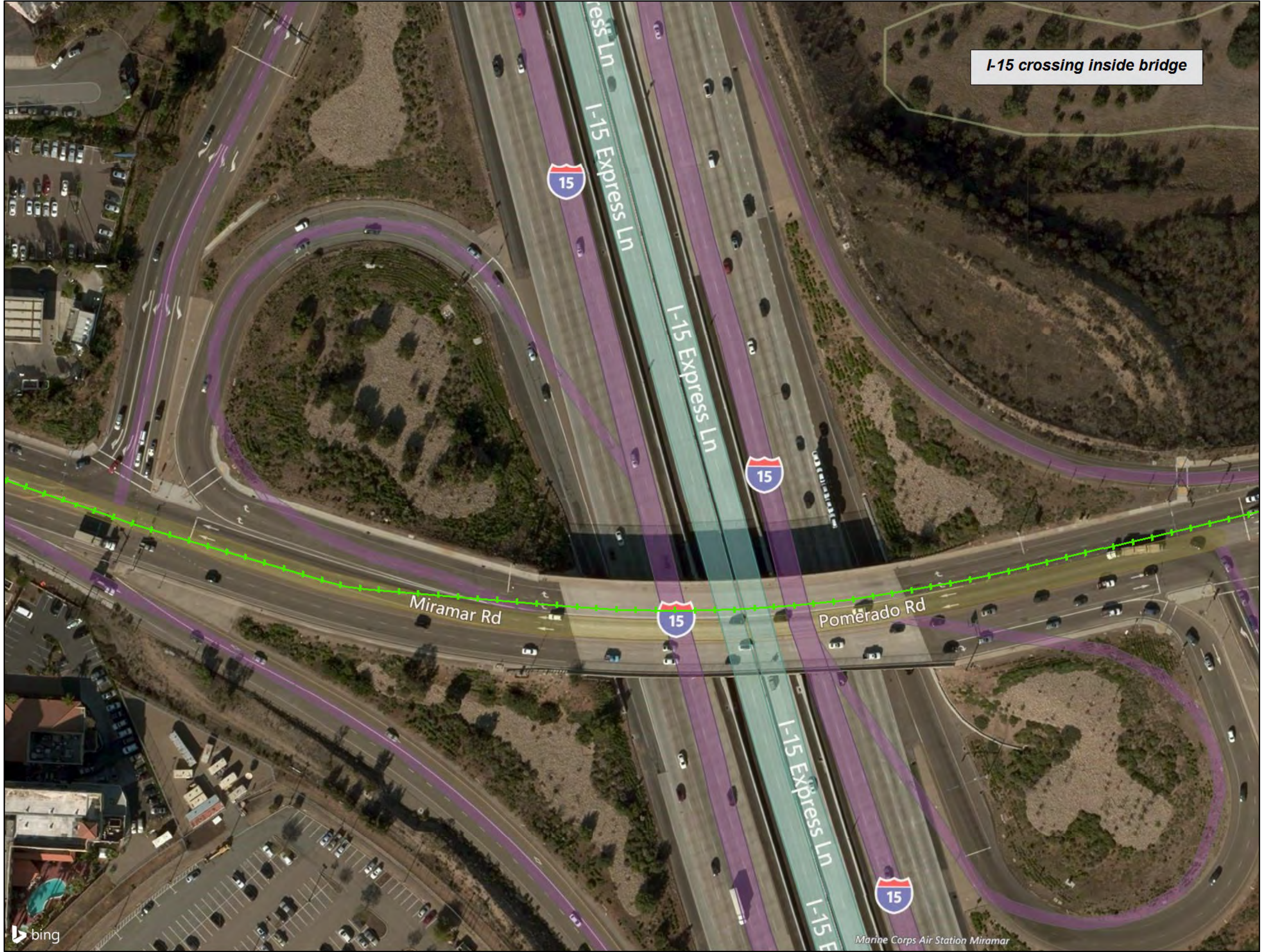
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0 50 100 150 200 Feet



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

Final Design Route Map

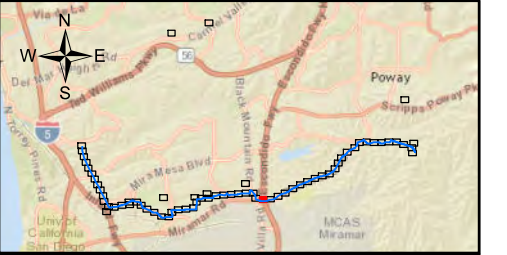
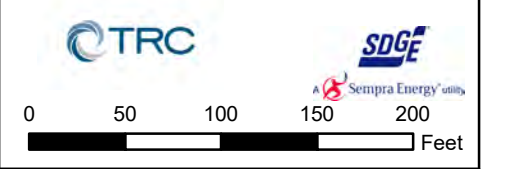
Rev.1 (January 2017)*

Sheet 24 of 69

- Final Design**
- Existing Structure
 - Proposed Structure
 - Proposed New ADSS Intersect Structure
 - Removed Pole
 - AC Mitigation Location
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**Sycamore to Peñasquitos
230kV Transmission Line Project**

Final Design Route Map

Rev.1 (January 2017)*

Sheet 25 of 69

Final Design

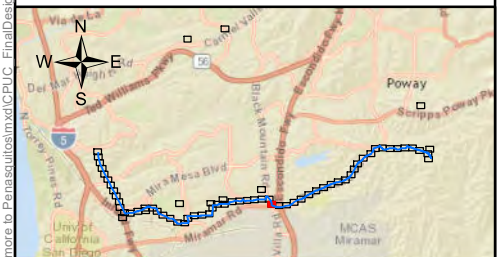
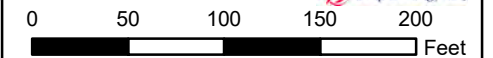
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**Sycamore to Peñasquitos
230kV Transmission Line Project**

Final Design Route Map

Rev.1 (January 2017)*

Sheet 26 of 69

Final Design

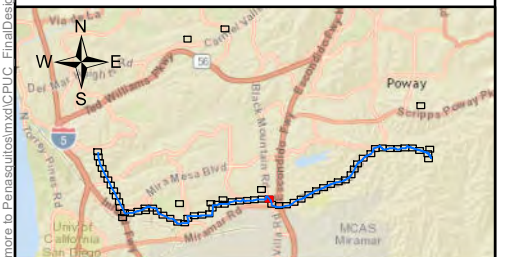
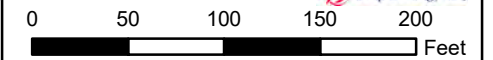
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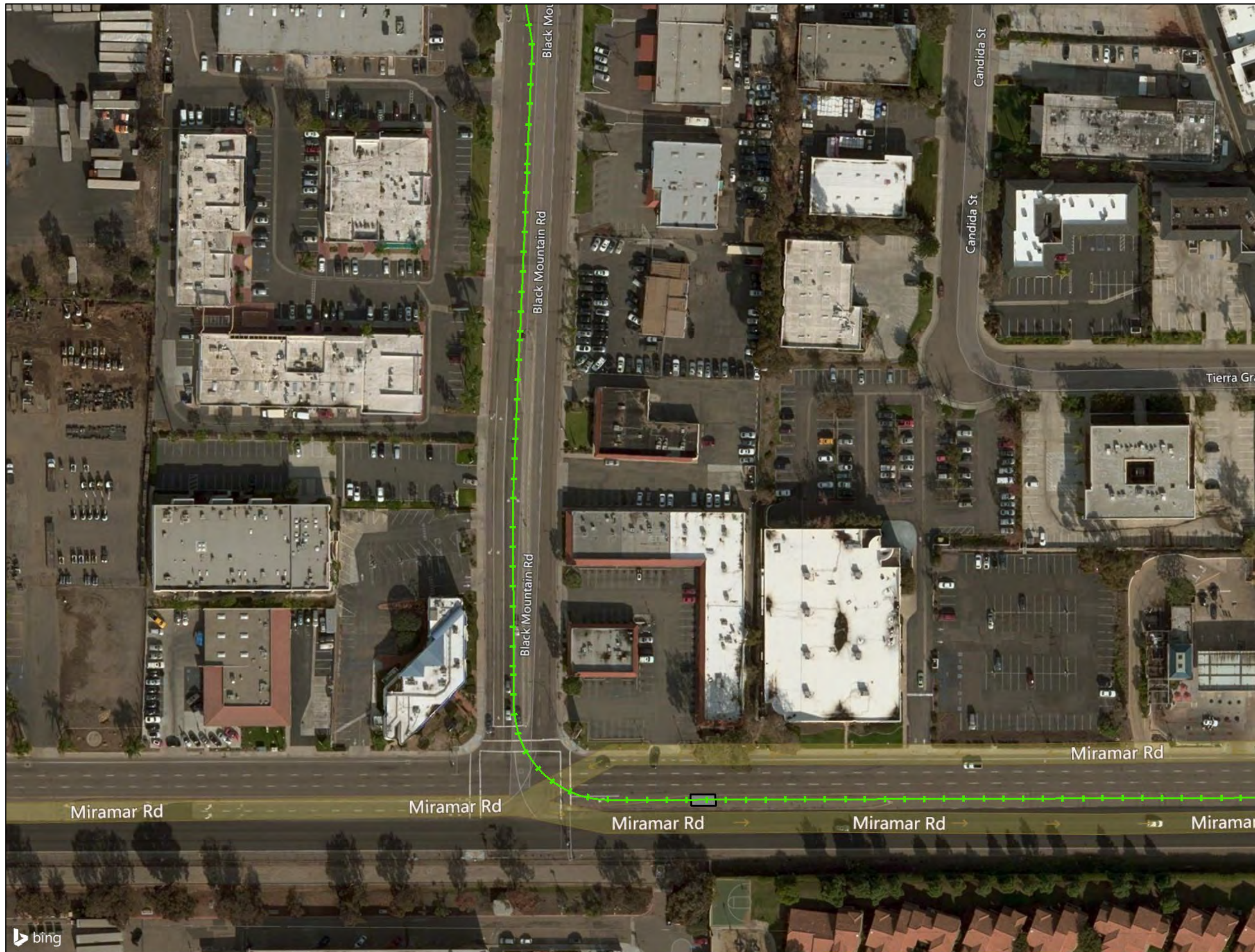
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**Sycamore to Peñasquitos
230kV Transmission Line Project**

Final Design Route Map

Rev.1 (January 2017)*

Sheet 27 of 69

Final Design

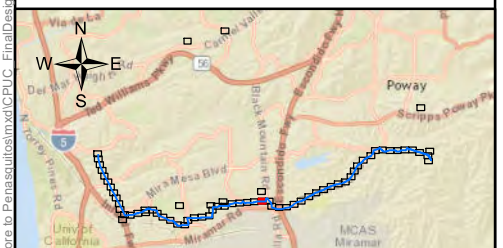
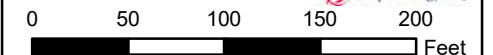
- Existing Structure
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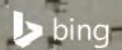
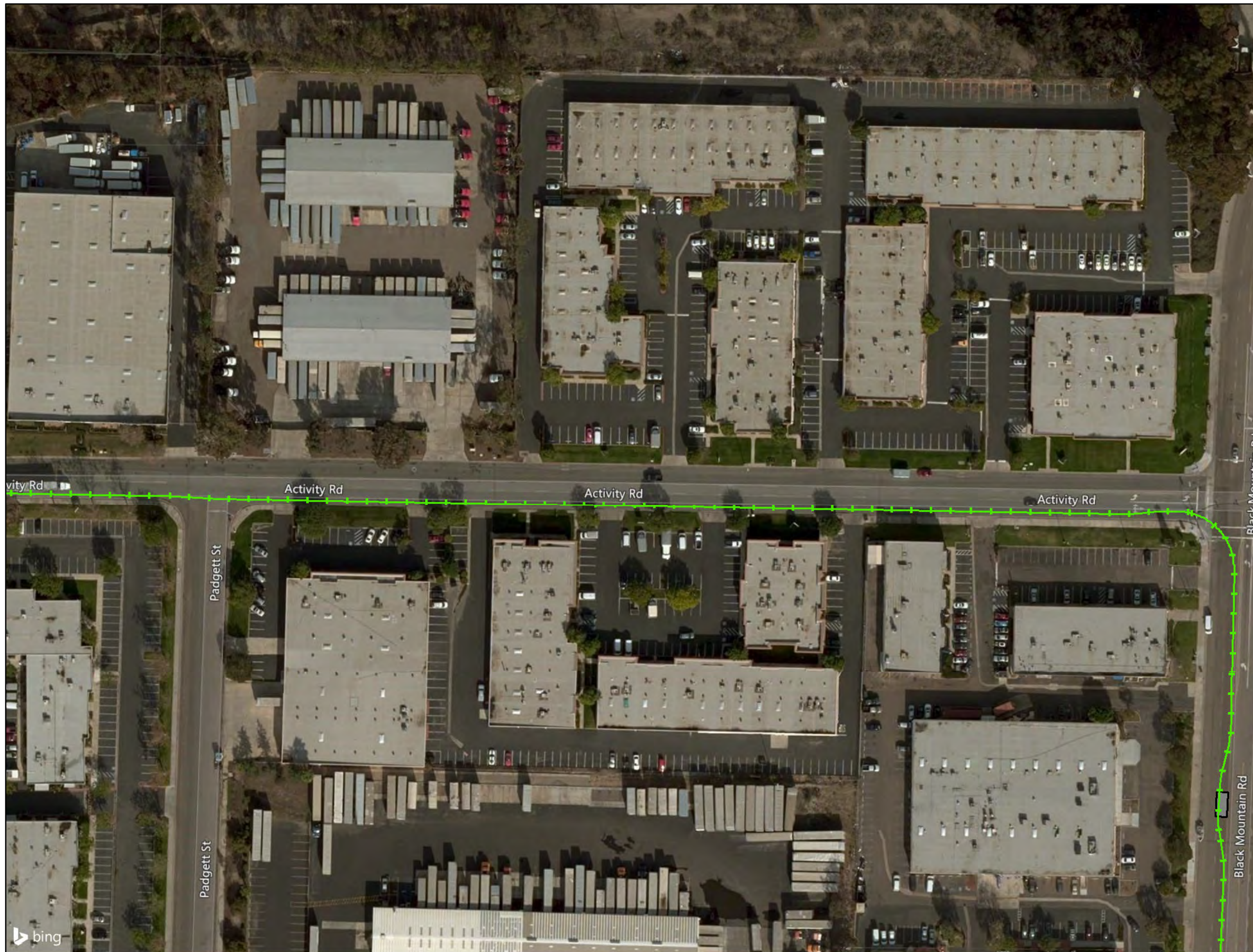
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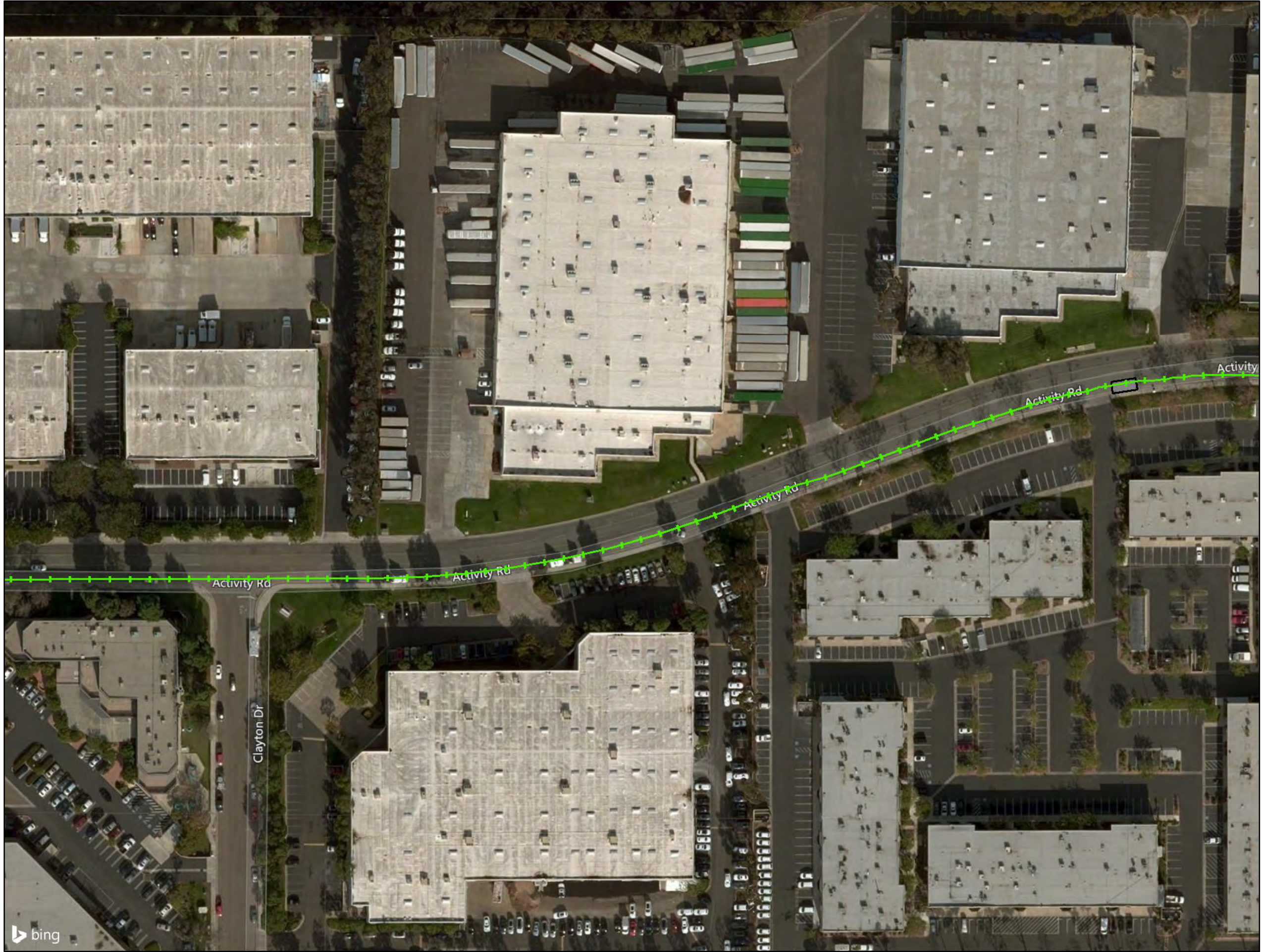


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**Sycamore to Peñasquitos
230kV Transmission Line Project**

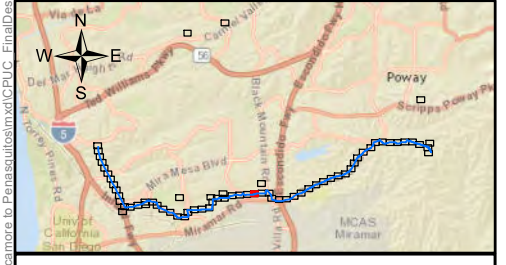
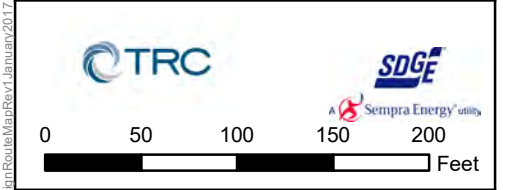
Final Design Route Map

Rev.1 (January 2017)*

Sheet 28 of 69

- Final Design**
- Existing Structure
 - Proposed Structure
 - Proposed New ADSS Intersect Structure
 - Removed Pole
 - AC Mitigation Location
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 - New 230kV Overhead
 - - Reconductor 230kV Overhead
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**Sycamore to Peñasquitos
230kV Transmission Line Project**

Final Design Route Map

Rev.1 (January 2017)*

Sheet 29 of 69

Final Design

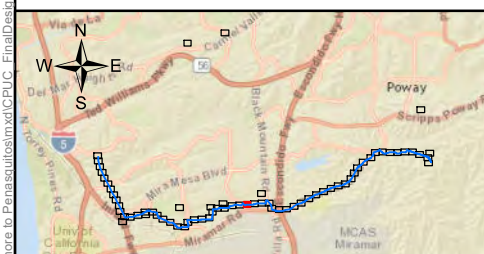
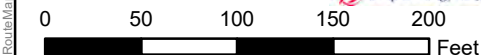
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**Sycamore to Peñasquitos
230kV Transmission Line Project**

Final Design Route Map

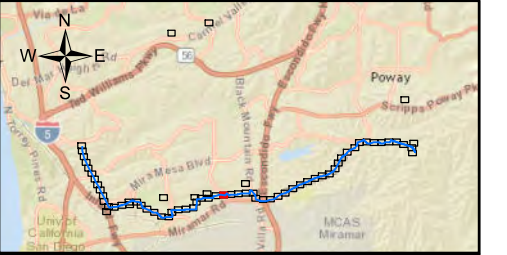
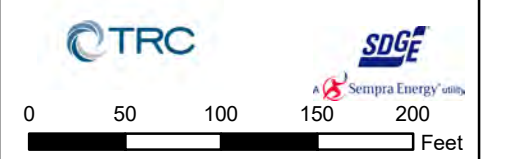
Rev.1 (January 2017)*

Sheet 30 of 69

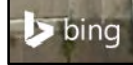
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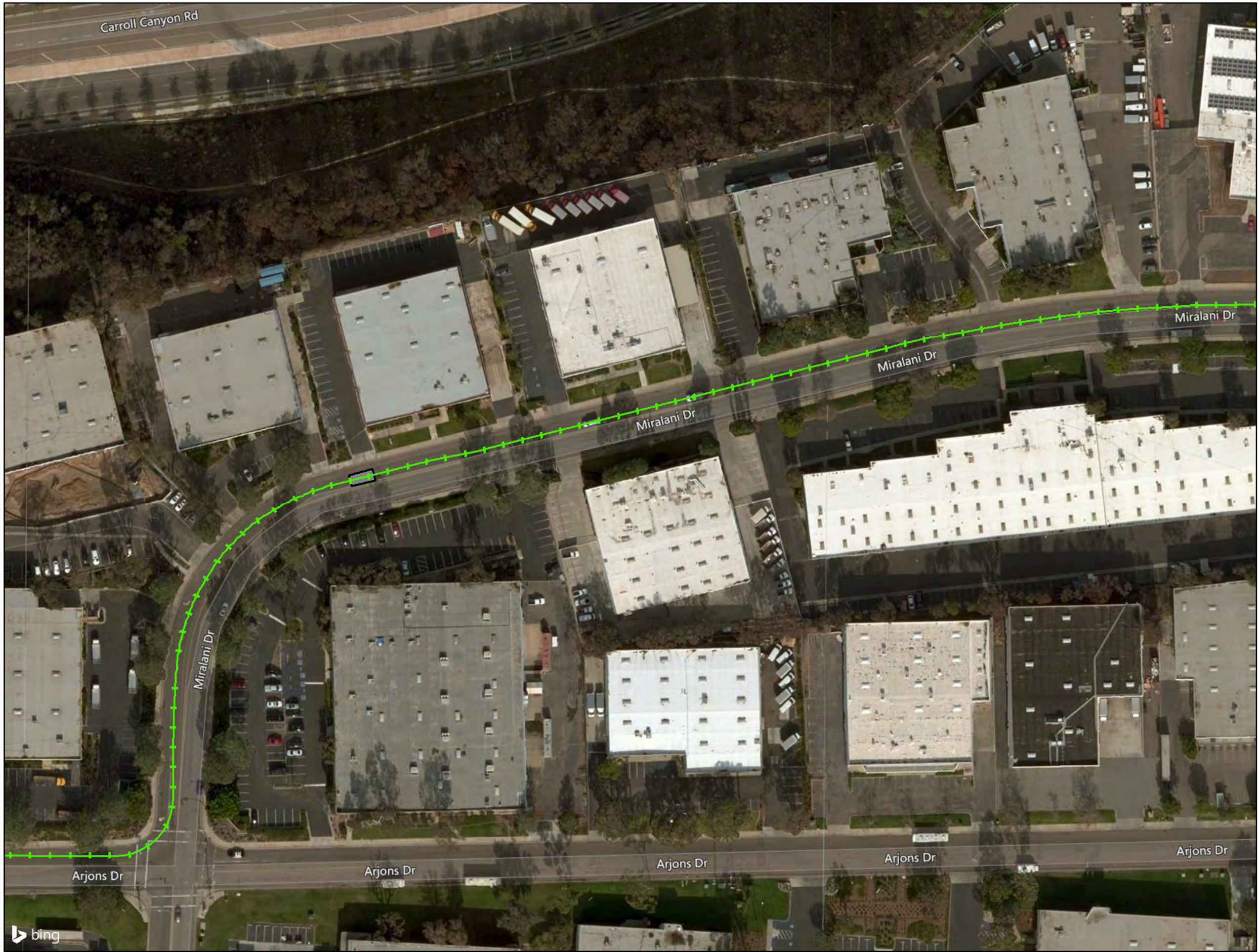
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**Sycamore to Peñasquitos
230kV Transmission Line Project**

Final Design Route Map

Rev.1 (January 2017)*



Sheet 31 of 69

Final Design

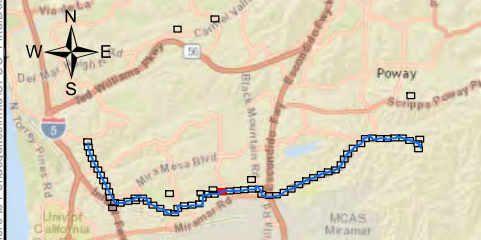
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0 50 100 150 200 Feet



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

Final Design Route Map

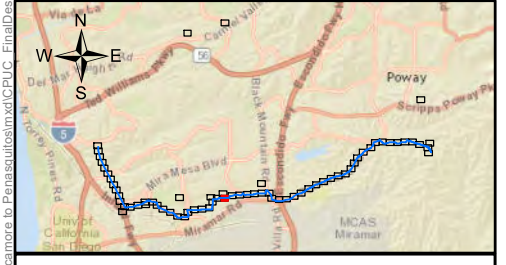
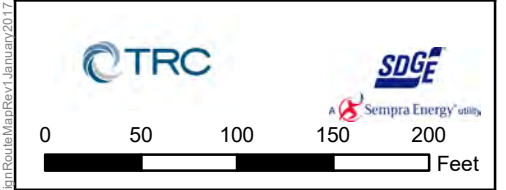
Rev.1 (January 2017)*

Sheet 32 of 69

- Final Design**
- Existing Structure
 - Proposed Structure
 - Proposed New ADSS Intersect Structure
 - Removed Pole
 - AC Mitigation Location
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**Sycamore to Peñasquitos
230kV Transmission Line Project**

Final Design Route Map

Rev.1 (January 2017)*

Sheet 33 of 69

Final Design

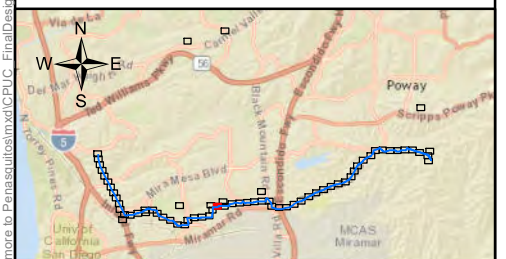
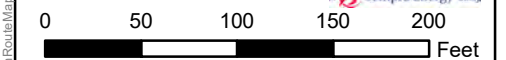
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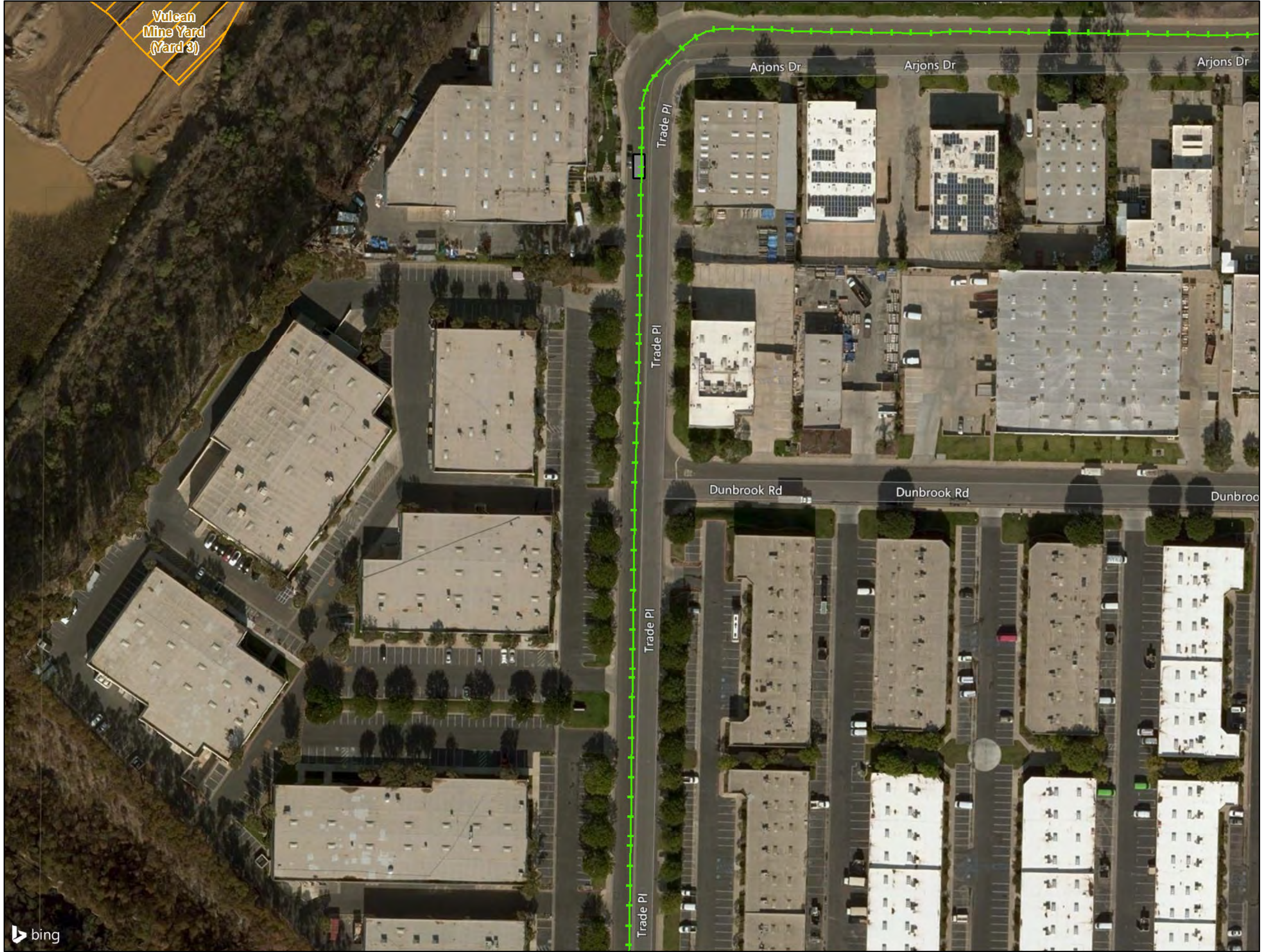


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**Sycamore to Peñasquitos
230kV Transmission Line Project**

Final Design Route Map

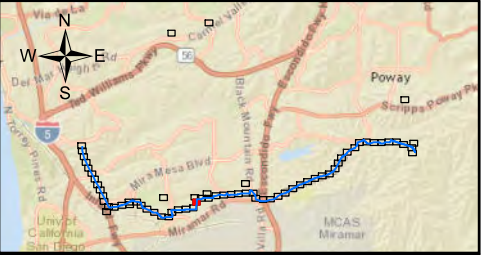
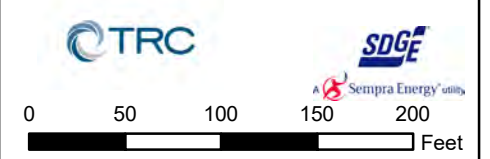
Rev.1 (January 2017)*

Sheet 34 of 69

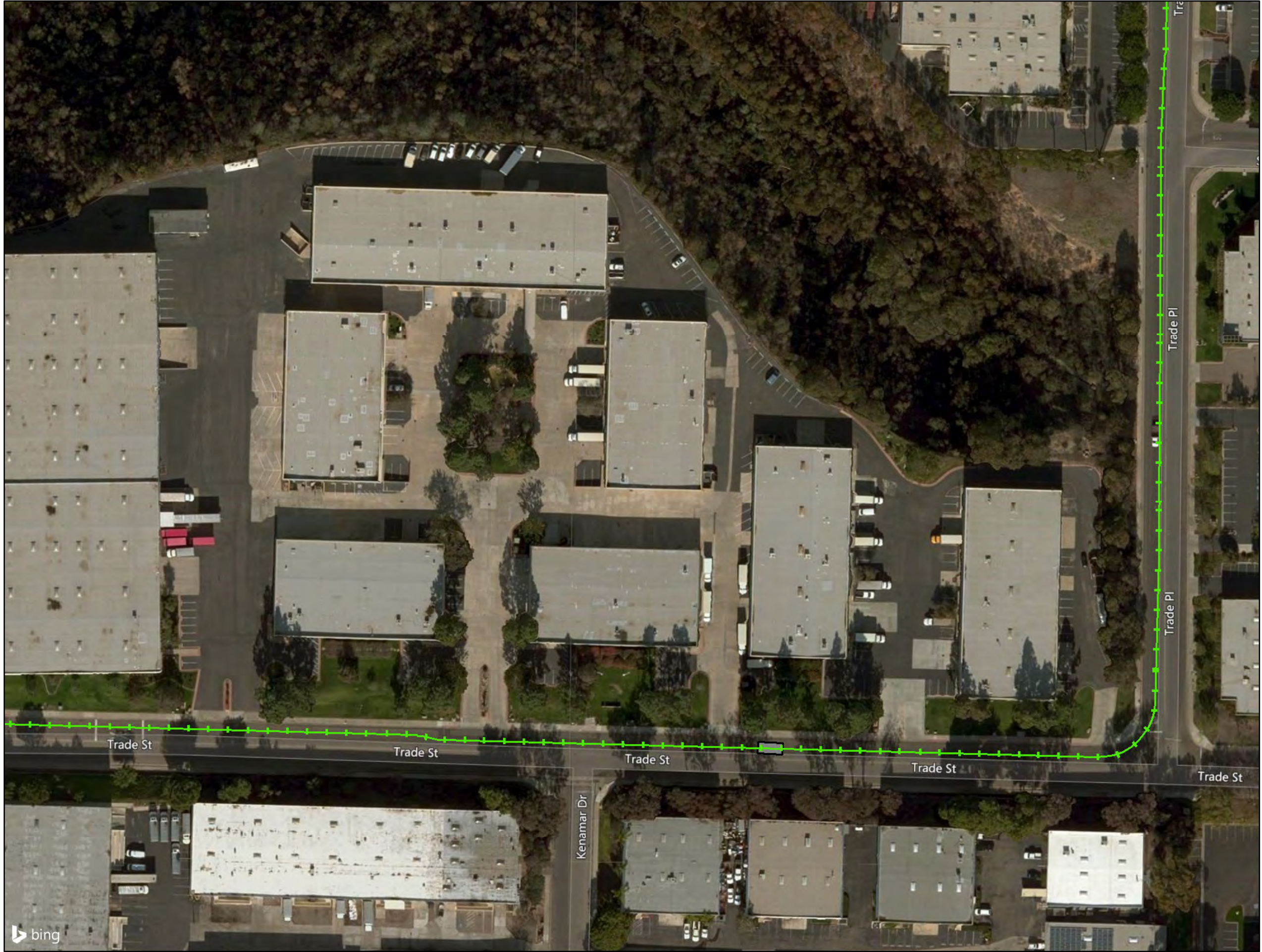
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230kV Transmission Line Project**

Final Design Route Map

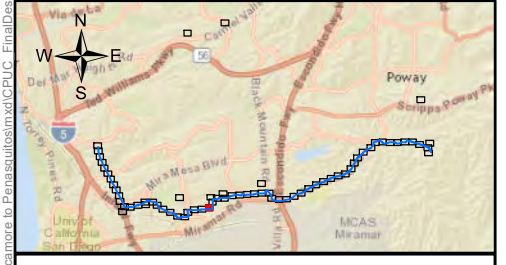
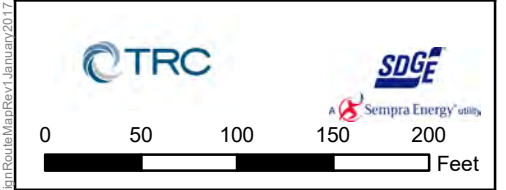
Rev.1 (January 2017)*

Sheet 35 of 69

- Final Design**
- Existing Structure
 - Proposed Structure
 - Proposed New ADSS Intersect Structure
 - Removed Pole
 - AC Mitigation Location
 - ✱ Entrance Point
 - New 230kV Overhead
 - - Reconductor 230kV Overhead
 - - Reconductor 138kV Overhead
 - New 230 kV Underground
 - - Reconductor 138 kV Underground
 - Access Road
 - Retaining Wall
 - Underground Vault
 - Potential Staging Yard
 - Substation

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*Rev.1 of this Final Design Route Map incorporates approved Minor Project Refinement Nos. 1 and 2.



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

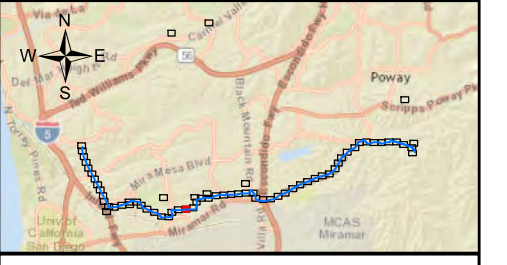
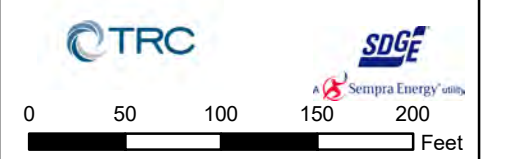
Final Design Route Map

Rev.1 (January 2017)*

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

Final Design Route Map

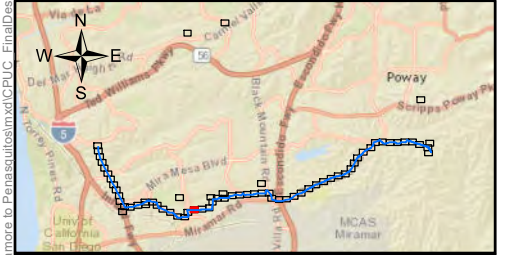
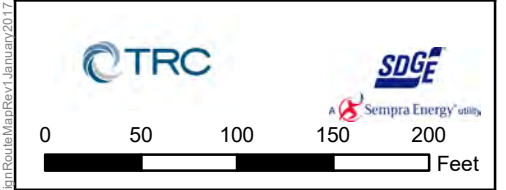
Rev.1 (January 2017)*

Sheet 37 of 69

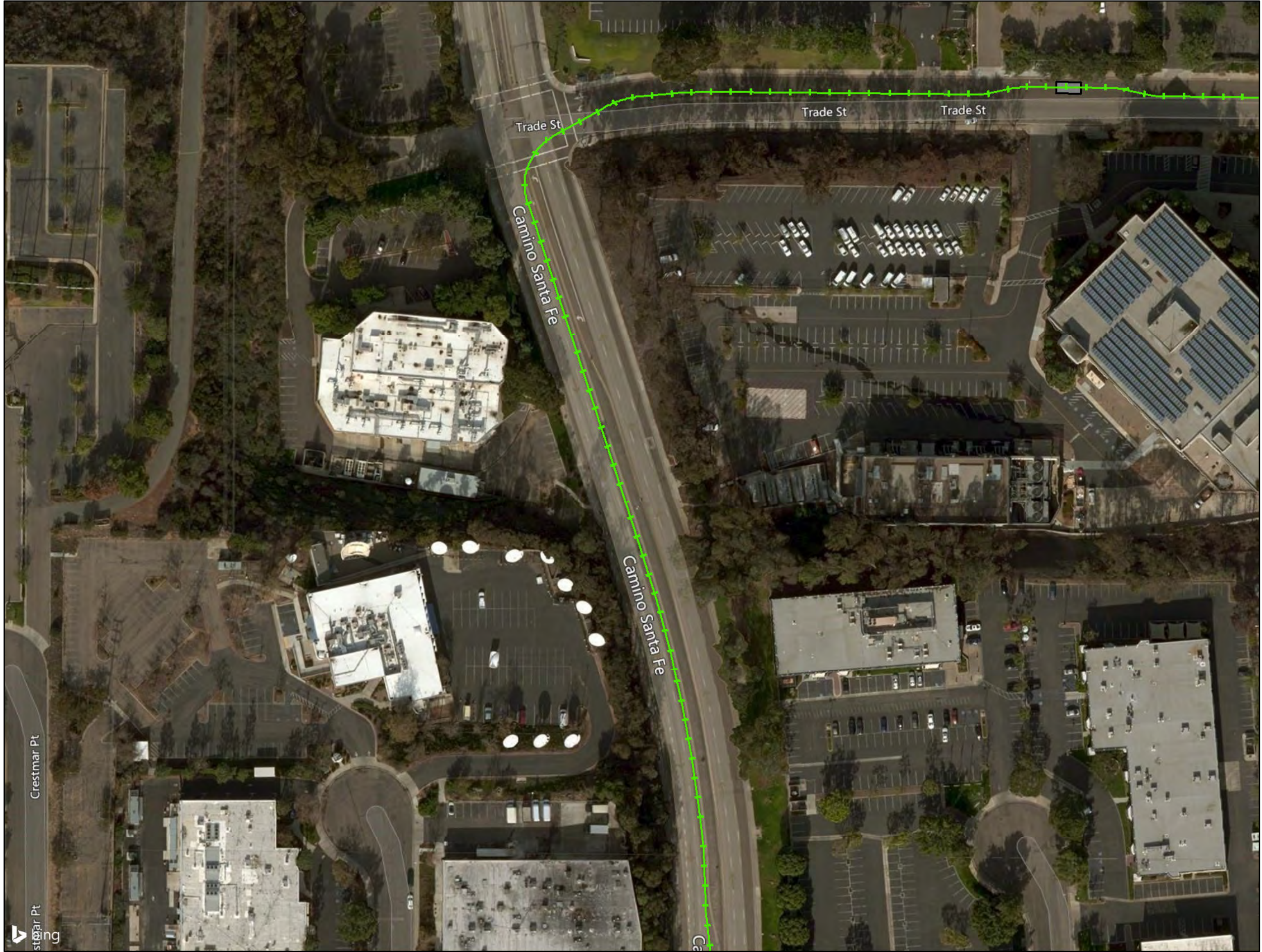
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**Sycamore to Peñasquitos
230kV Transmission Line Project**

Final Design Route Map

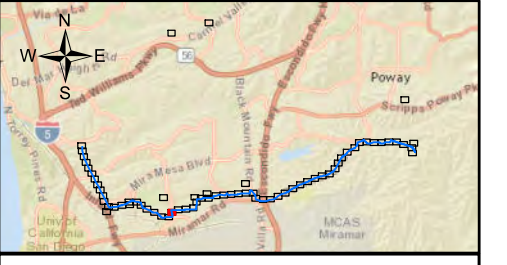
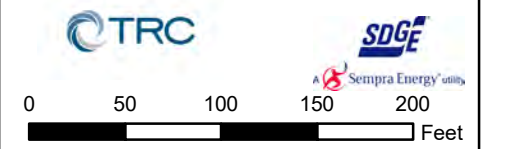
Rev.1 (January 2017)*

Sheet 38 of 69

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

Final Design Route Map

Rev.1 (January 2017)*

Sheet 39 of 69

Final Design

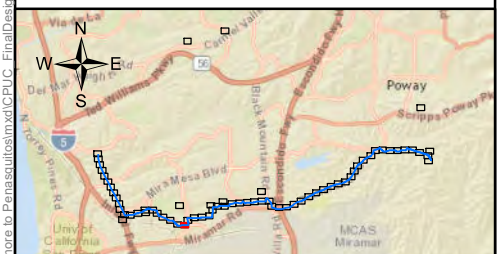
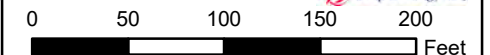
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**Sycamore to Peñasquitos
230kV Transmission Line Project**

Final Design Route Map

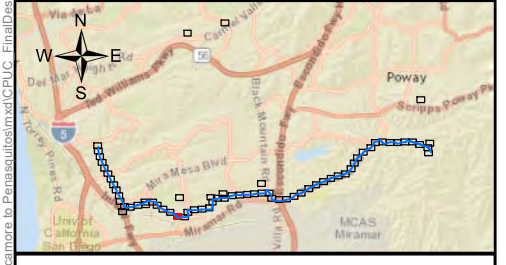
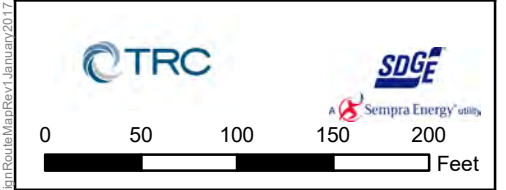
Rev.1 (January 2017)*

Sheet 40 of 69

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

Final Design Route Map

Rev.1 (January 2017)*

Sheet 41 of 69

Final Design

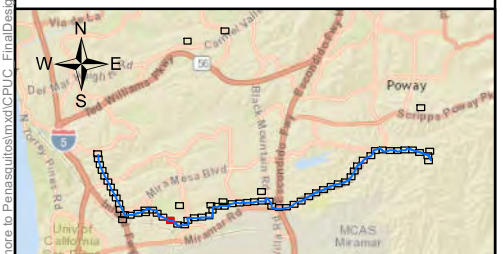
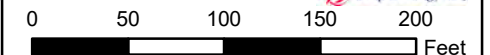
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**Sycamore to Peñasquitos
230kV Transmission Line Project**

Final Design Route Map

Rev.1 (January 2017)*

Sheet 42 of 69

Final Design

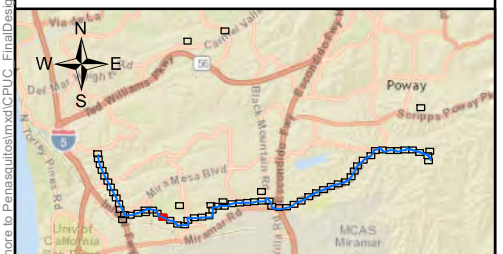
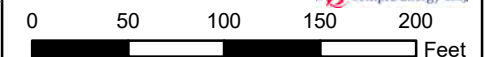
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**Sycamore to Peñasquitos
230kV Transmission Line Project**

Final Design Route Map

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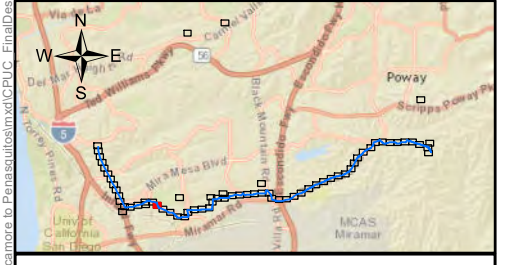
Sheet 43 of 69

- Final Design**
- Existing Structure
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0 50 100 150 200 Feet



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

Final Design Route Map

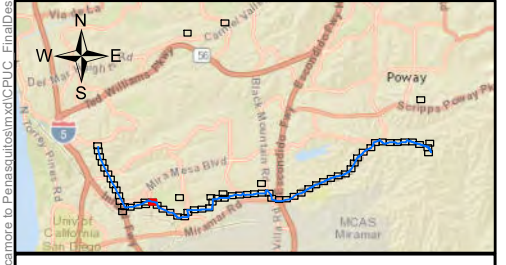
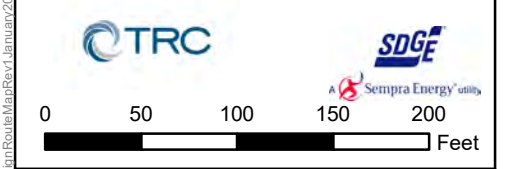
Rev.1 (January 2017)*

Sheet 44 of 69

- Final Design**
- Existing Structure
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 - Removed Pole
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**Sycamore to Peñasquitos
230kV Transmission Line Project**

Final Design Route Map

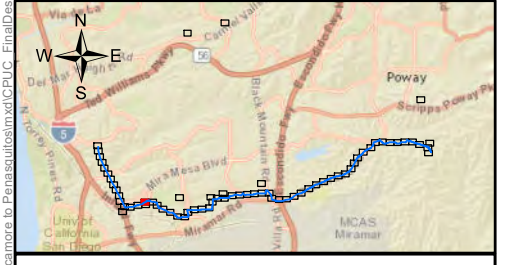
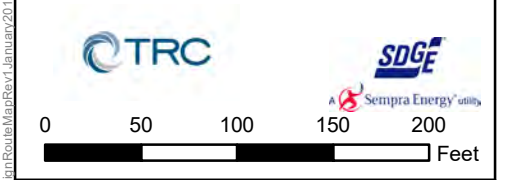
Rev.1 (January 2017)*

Sheet 45 of 69

- Final Design**
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**Sycamore to Peñasquitos
230kV Transmission Line Project**

Final Design Route Map

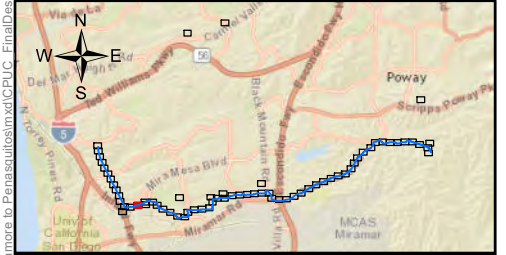
Rev.1 (January 2017)*

Sheet 46 of 69

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

Final Design Route Map

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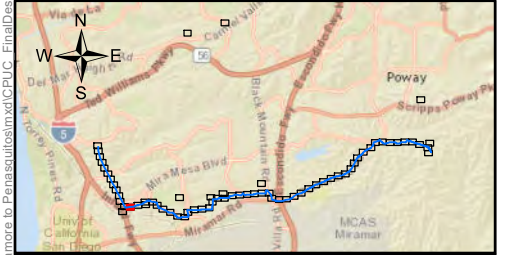
Sheet 47 of 69

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0 50 100 150 200 Feet



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

Final Design Route Map

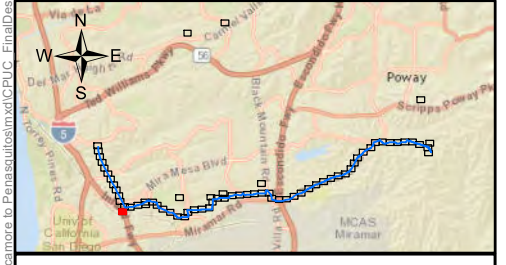
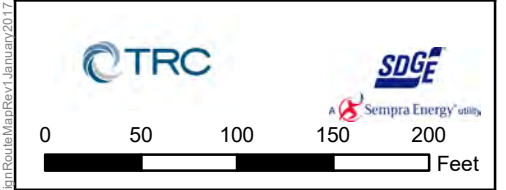
Rev.1 (January 2017)*

Sheet 48 of 69

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

Final Design Route Map

Rev.1 (January 2017)*

Sheet 49 of 69

Final Design

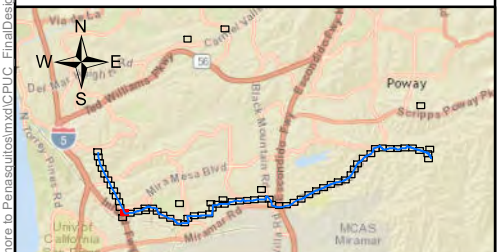
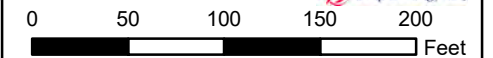
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**Sycamore to Peñasquitos
230kV Transmission Line Project**

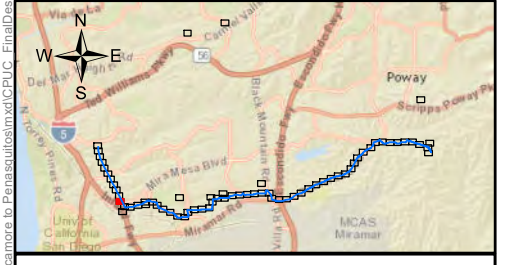
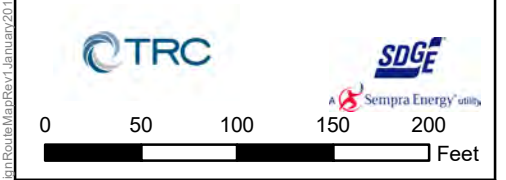
Final Design Route Map

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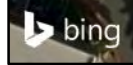
Sheet 50 of 69

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230kV Transmission Line Project**

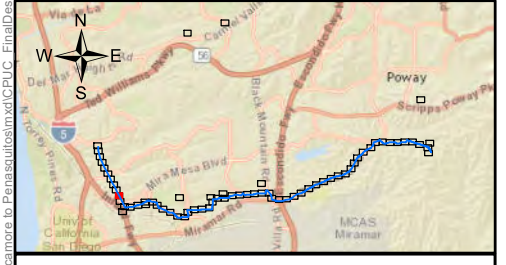
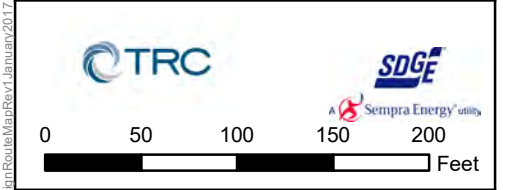
Final Design Route Map

Rev.1 (January 2017)*

Sheet 51 of 69

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

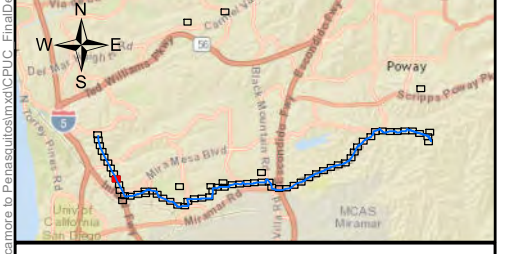
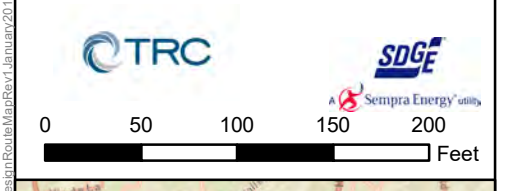
Final Design Route Map

Rev.1 (January 2017)*

Sheet 52 of 69

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

Final Design Route Map

Rev.1 (January 2017)*

Sheet 53 of 69

Final Design

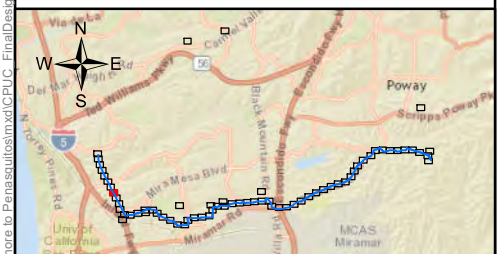
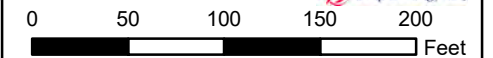
- Existing Structure
- Proposed Structure
- Proposed New ADSS Intersect Structure
- Removed Pole
- AC Mitigation Location
- ✱ Entrance Point
- New 230kV Overhead
- - Reconductor 230kV Overhead
- - Reconductor 138kV Overhead
- New 230 kV Underground
- Reconductor 138 kV Underground
- - Access Road
- Retaining Wall
- Underground Vault
- Potential Staging Yard
- Substation

This map depicts permanent project components and potential staging yards only. Additional area may be utilized temporarily to facilitate construction.

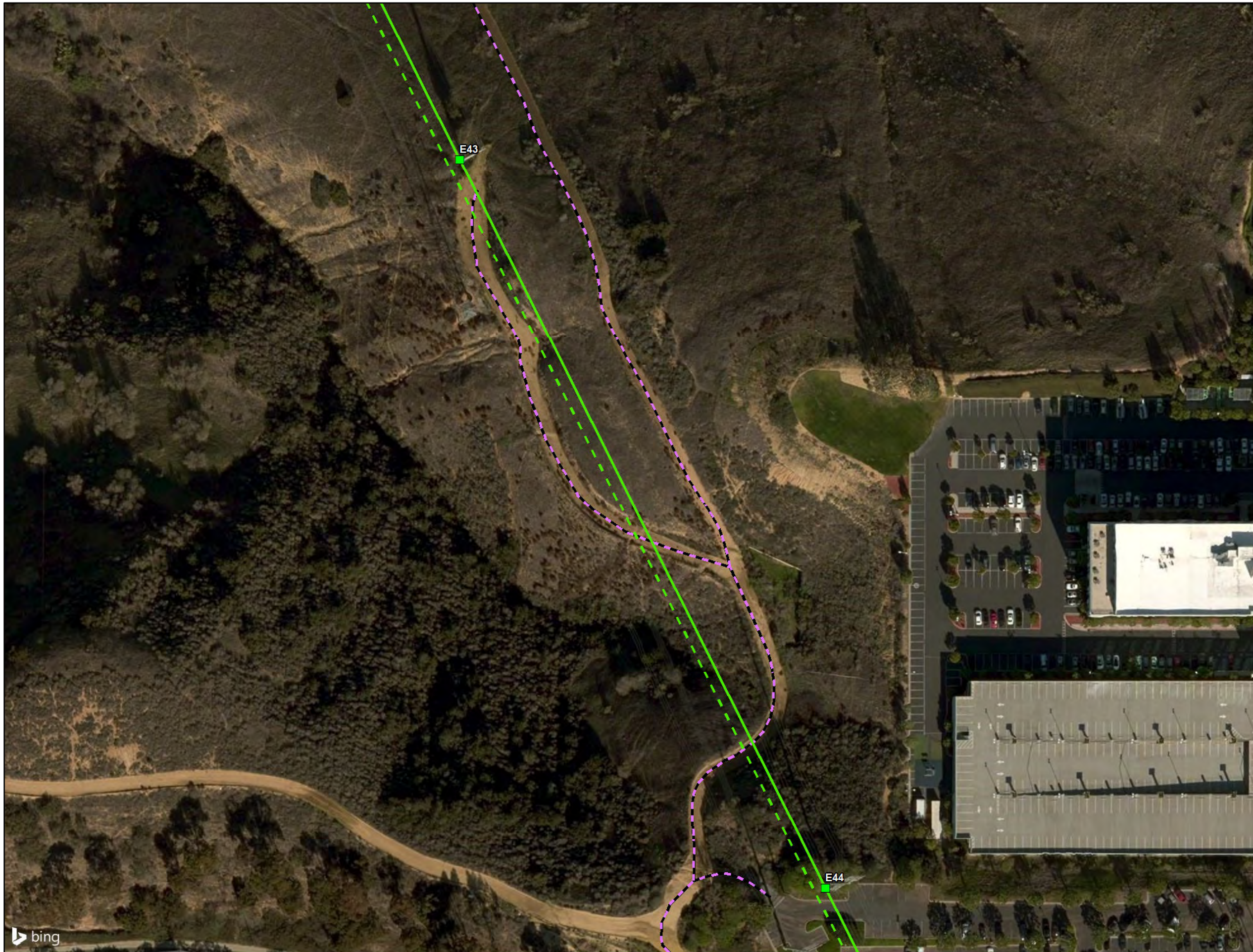
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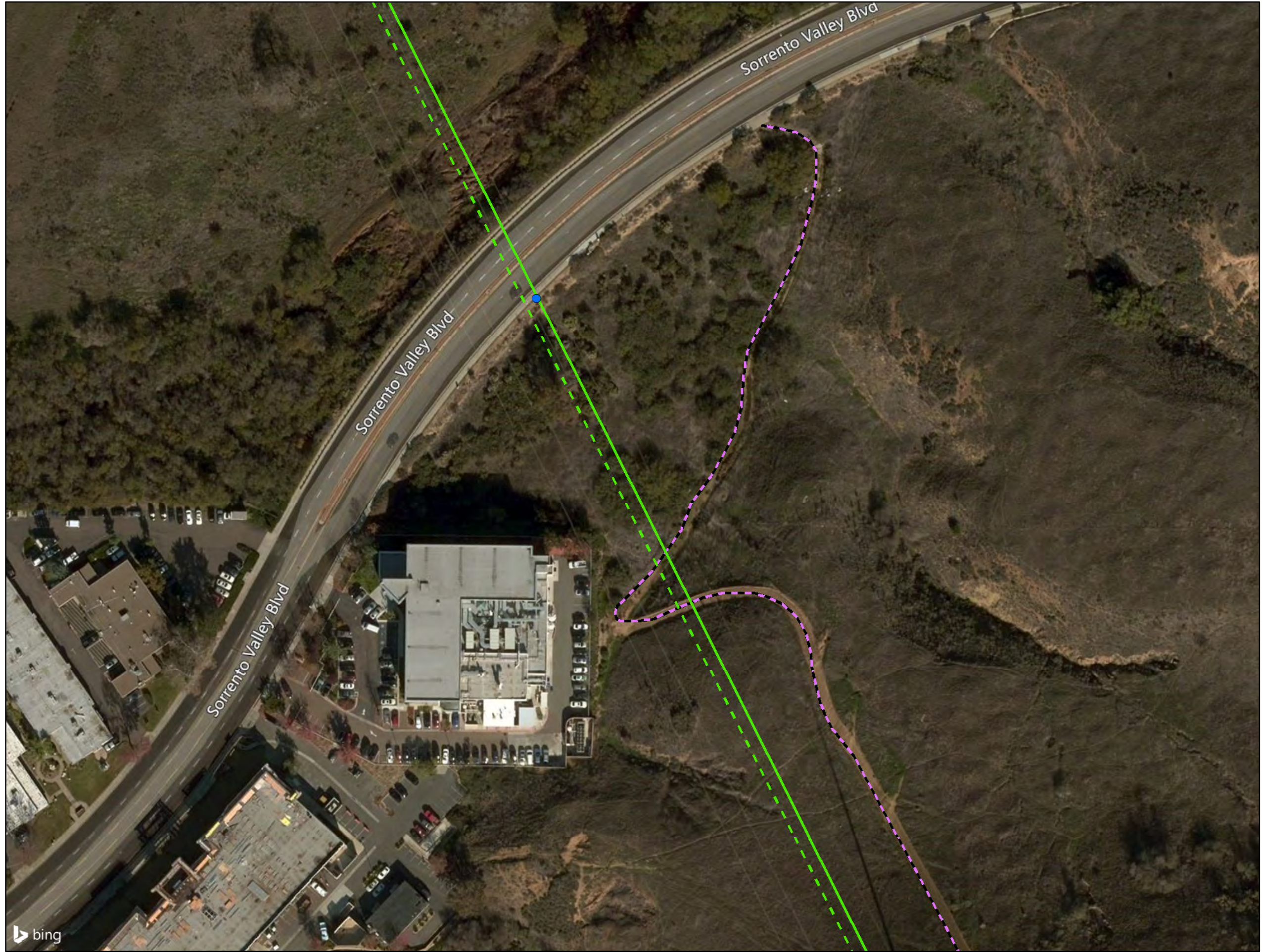


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**Sycamore to Peñasquitos
230kV Transmission Line Project**

Final Design Route Map

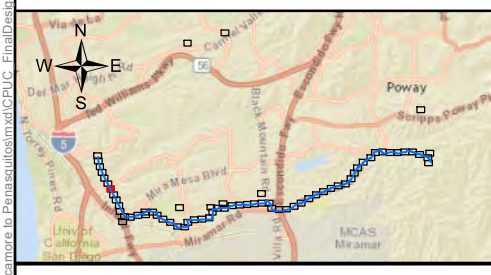
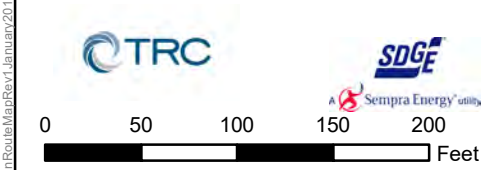
Rev.1 (January 2017)*

Sheet 54 of 69

- Final Design**
- Existing Structure
 - Proposed Structure
 - Proposed New ADSS Intersect Structure
 - Removed Pole
 - AC Mitigation Location
 - ✱ Entrance Point
 - New 230kV Overhead
 - - Reconductor 230kV Overhead
 - - Reconductor 138kV Overhead
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


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

Final Design Route Map

Rev.1 (January 2017)*

Sheet 55 of 69

Final Design

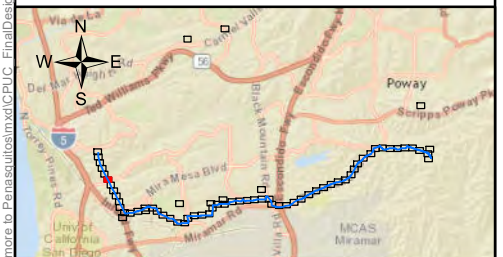
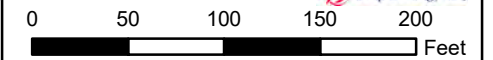
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-  Proposed New ADSS Intersect Structure
-  Removed Pole
-  AC Mitigation Location
-  Entrance Point
-  New 230kV Overhead
-  Reconductor 230kV Overhead
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**Sycamore to Peñasquitos
230kV Transmission Line Project**

Final Design Route Map

Rev.1 (January 2017)*

Sheet 56 of 69

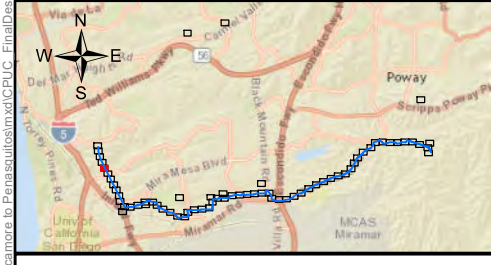
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Logos for TRC and SDGE (Semptra Energy units).

Scale bar: 0, 50, 100, 150, 200 Feet



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

Final Design Route Map

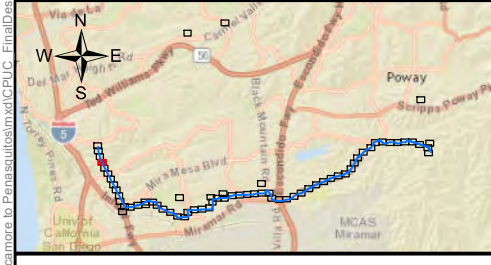
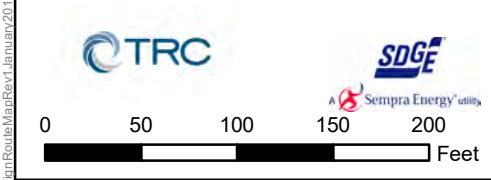
Rev.1 (January 2017)*

Sheet 57 of 69

- Final Design**
- Existing Structure
 - Proposed Structure
 - Proposed New ADSS Intersect Structure
 - Removed Pole
 - AC Mitigation Location
 - ✱ Entrance Point
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**Sycamore to Peñasquitos
230kV Transmission Line Project**

Final Design Route Map

Rev.1 (January 2017)*

Sheet 58 of 69

Final Design

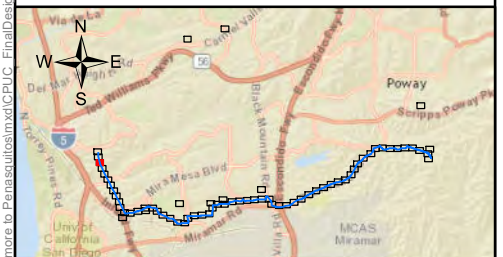
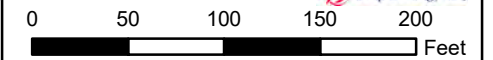
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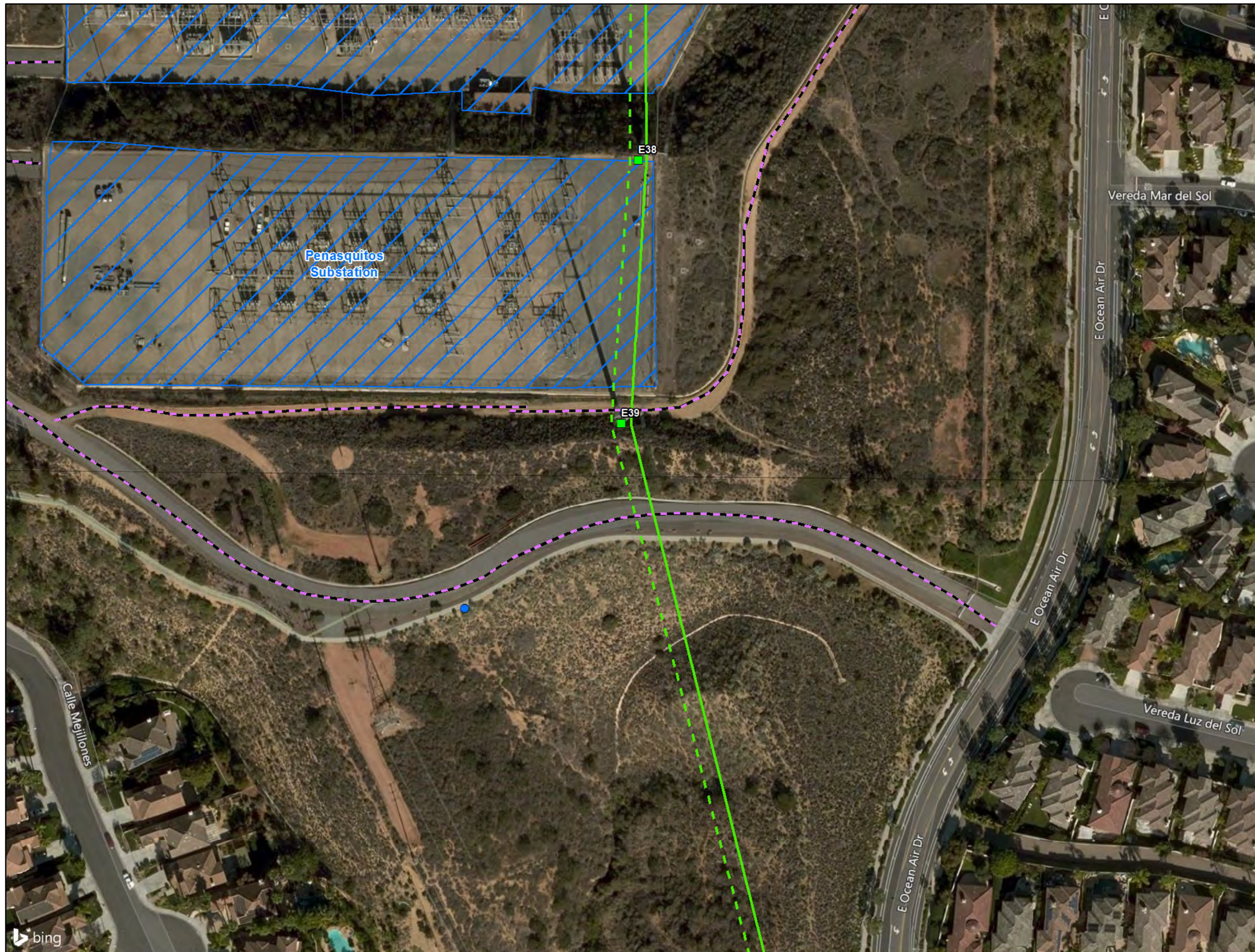
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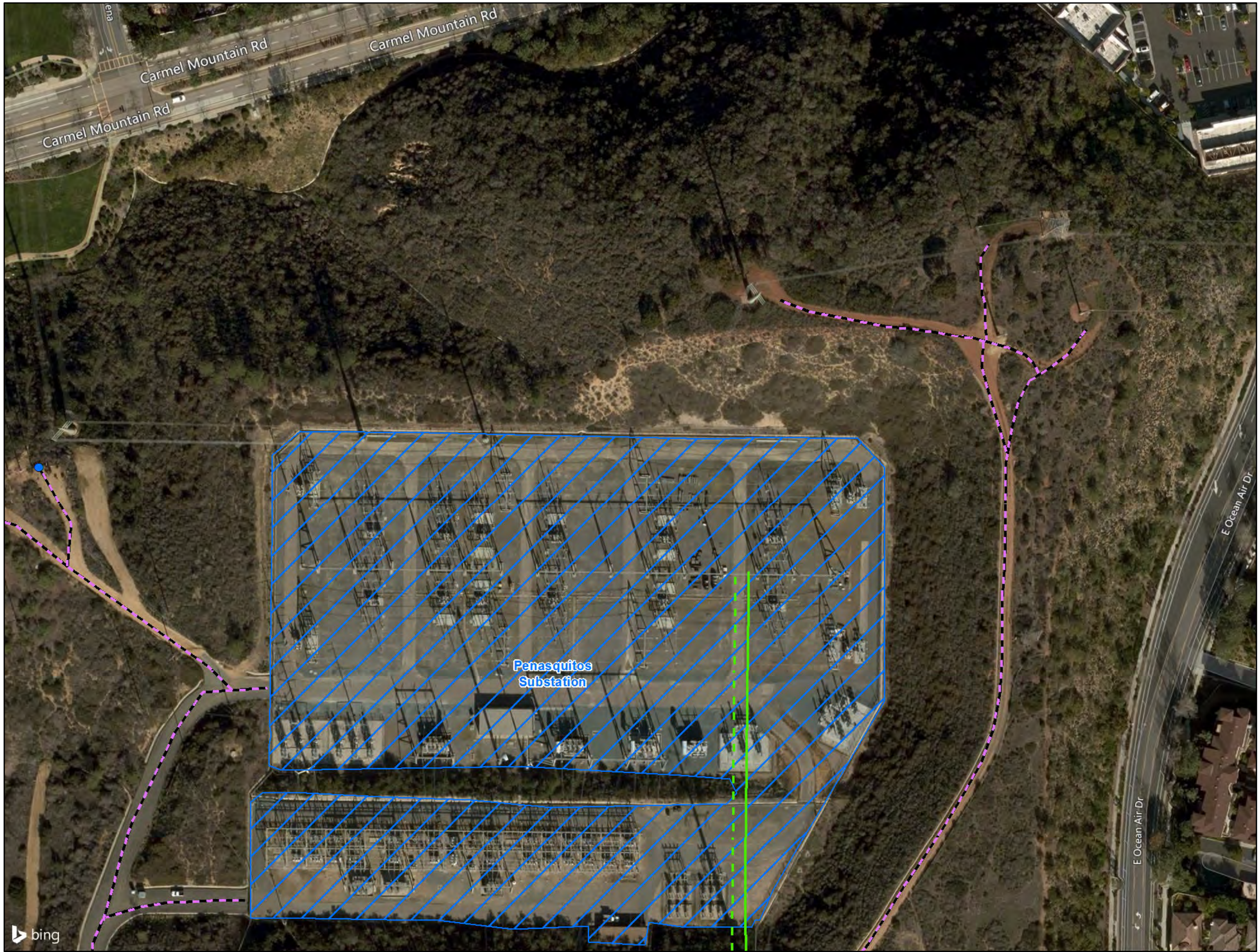


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**Sycamore to Peñasquitos
230kV Transmission Line Project**

Final Design Route Map

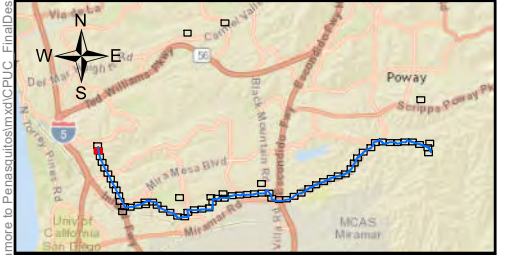
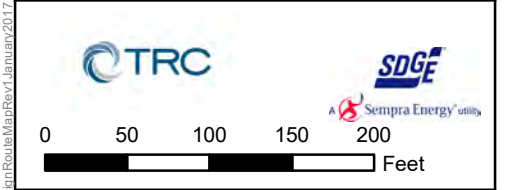
Rev.1 (January 2017)*

Sheet 59 of 69

- Final Design**
- Existing Structure
 - Proposed Structure
 - Proposed New ADSS Intersect Structure
 - Removed Pole
 - AC Mitigation Location
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**Sycamore to Peñasquitos
230kV Transmission Line Project**

Final Design Route Map

Rev.1 (January 2017)*

Sheet 60 of 69

Final Design

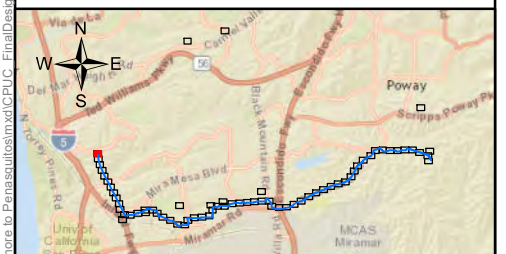
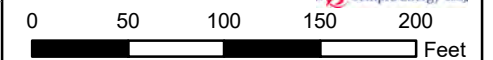
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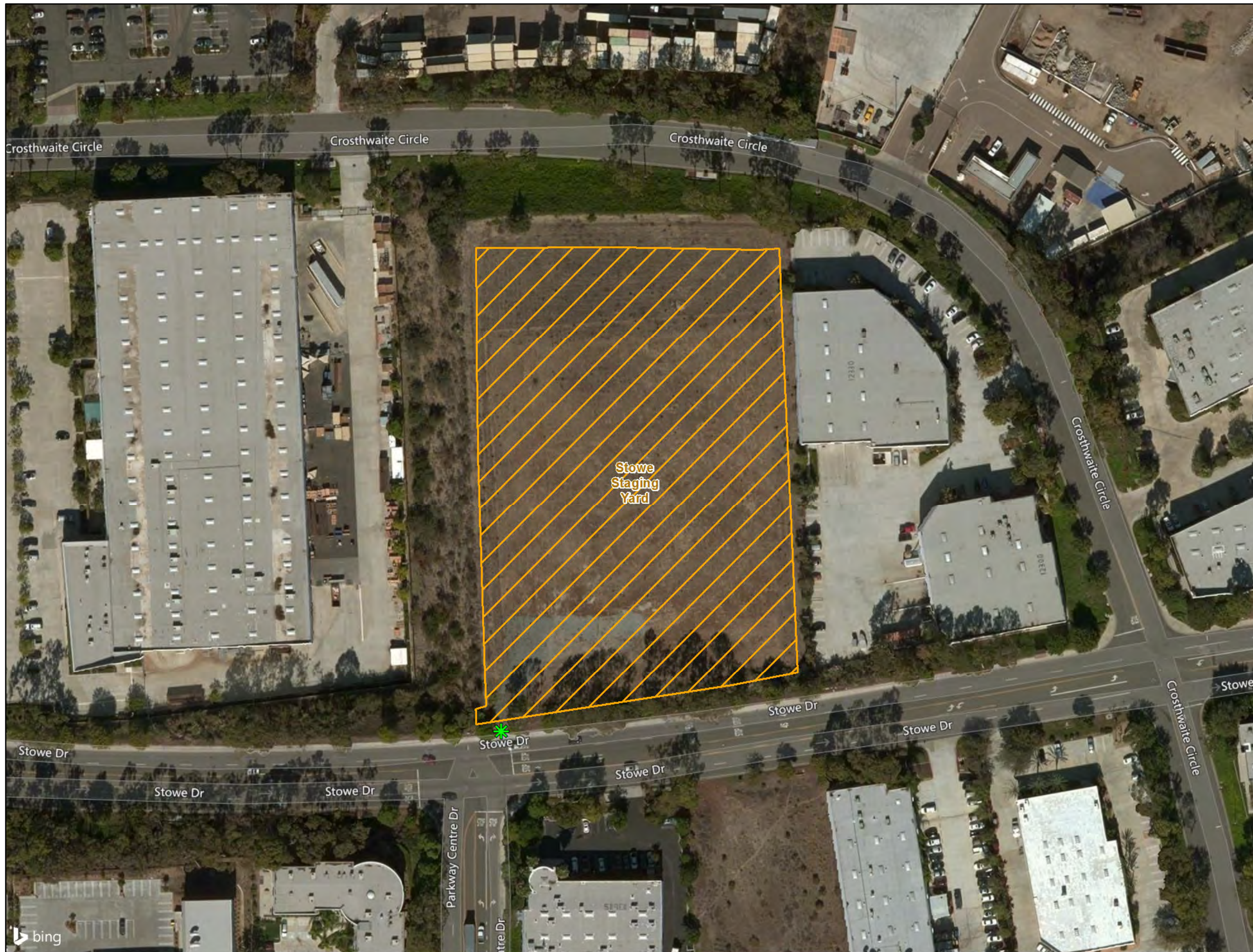
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**Sycamore to Peñasquitos
230kV Transmission Line Project**

Final Design Route Map

Rev.1 (January 2017)*

Sheet 61 of 69

Final Design

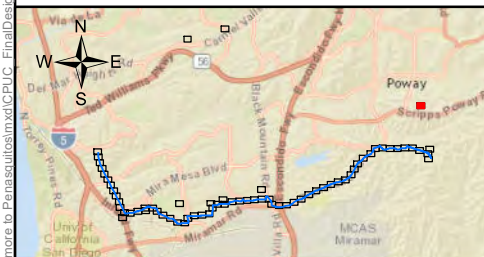
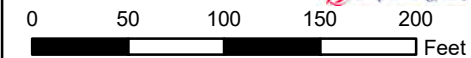
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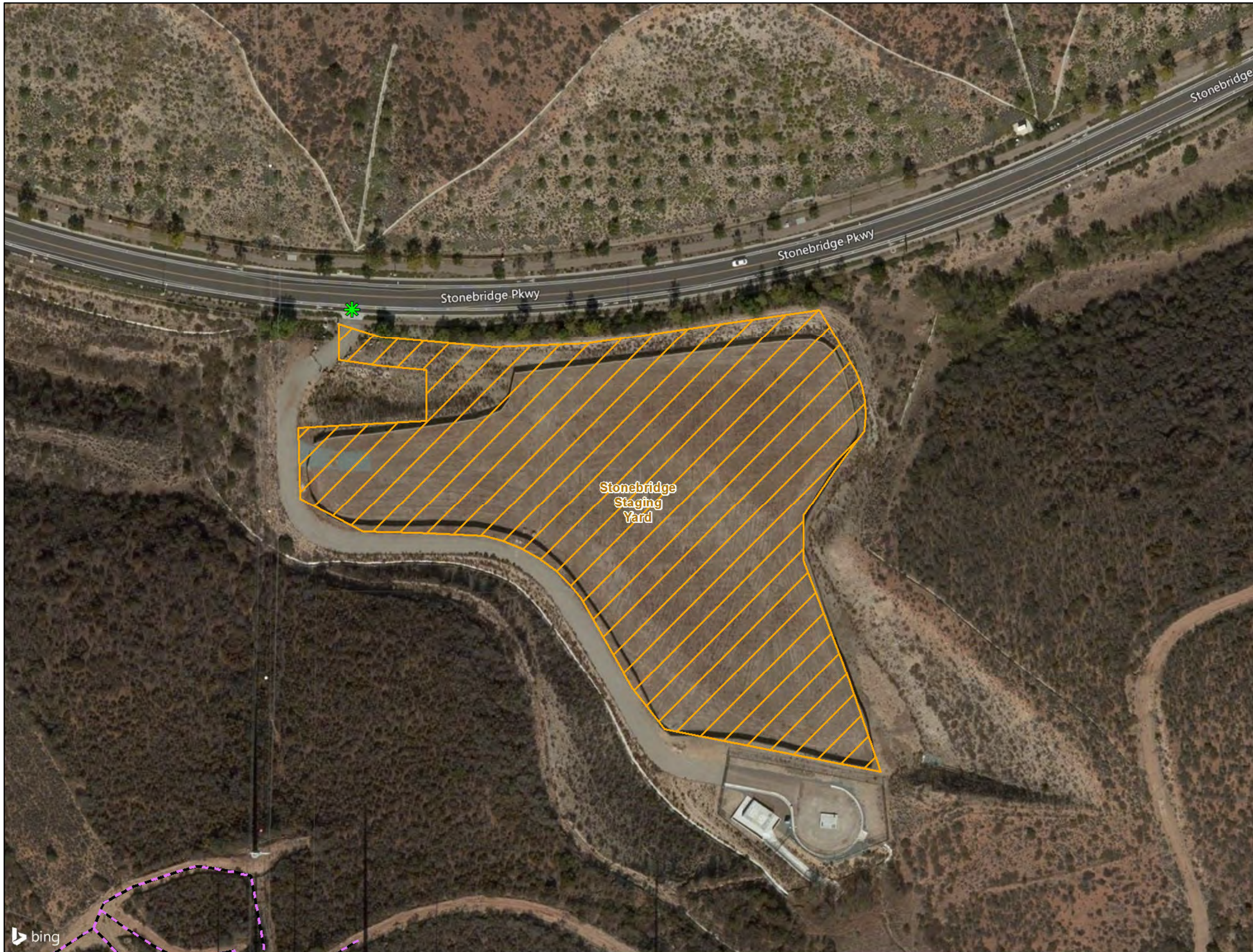
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**Sycamore to Peñasquitos
230kV Transmission Line Project**

Final Design Route Map

Rev.1 (January 2017)*

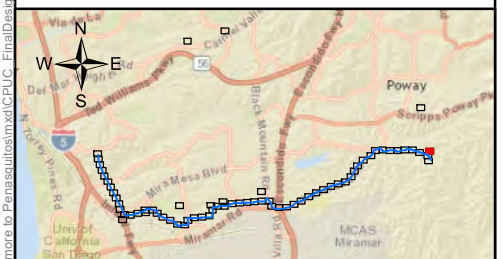
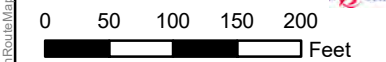
Sheet 62 of 69

Final Design

- Existing Structure
- Proposed Structure
- Proposed New ADSS Intersect Structure
- Removed Pole
- AC Mitigation Location
- ✱ Entrance Point
- New 230kV Overhead
- Reconductor 230kV Overhead
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**Sycamore to Peñasquitos
230kV Transmission Line Project**

Final Design Route Map

Rev.1 (January 2017)*

Sheet 63 of 69

Final Design

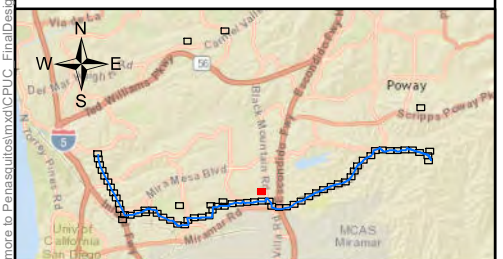
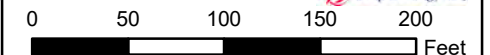
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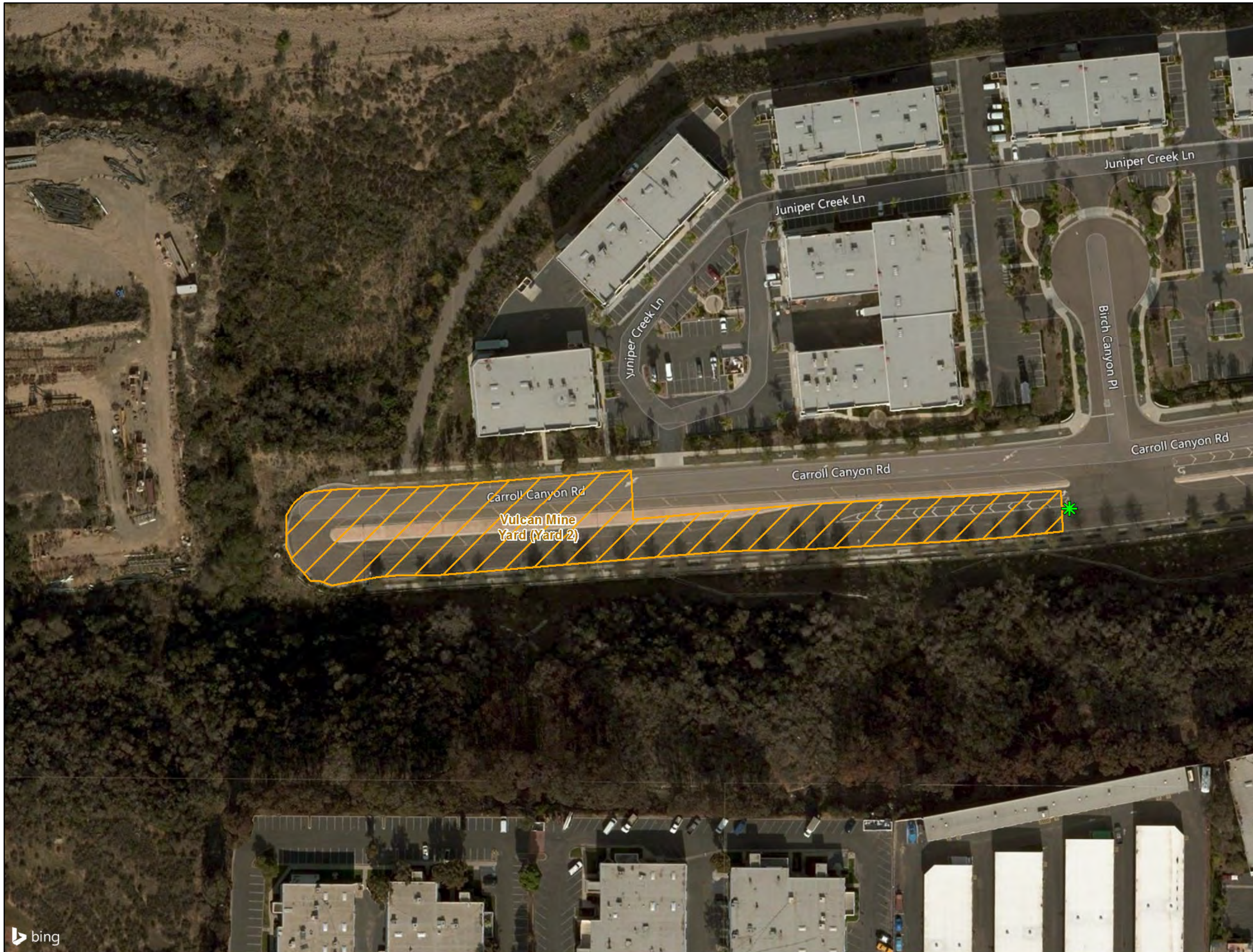
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**Sycamore to Peñasquitos
230kV Transmission Line Project**

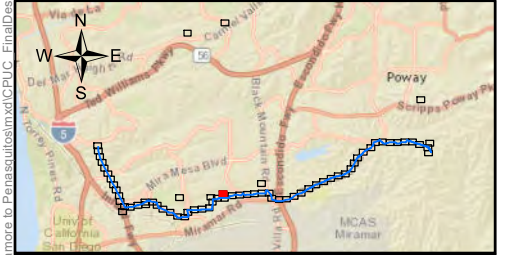
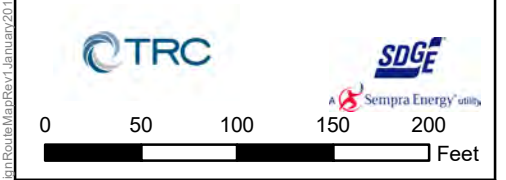
Final Design Route Map

Rev.1 (January 2017)*

Sheet 64 of 69

- Final Design**
- Existing Structure
 - Proposed Structure
 - Proposed New ADSS Intersect Structure
 - Removed Pole
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**Sycamore to Peñasquitos
230kV Transmission Line Project**

Final Design Route Map

Rev.1 (January 2017)*

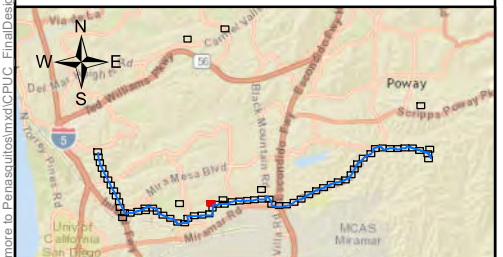
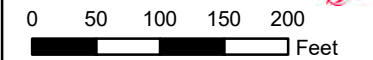
Sheet 65 of 69

Final Design

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- Removed Pole
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**Sycamore to Peñasquitos
230kV Transmission Line Project**

Final Design Route Map

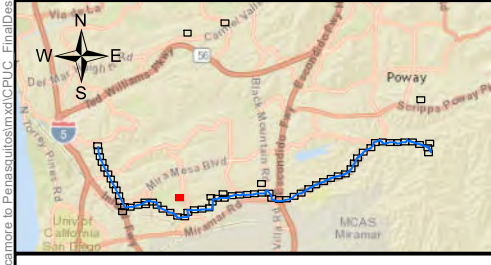
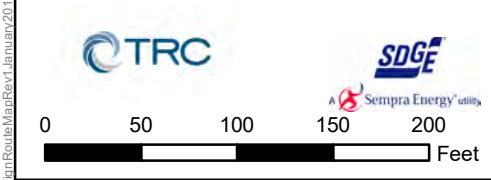
Rev.1 (January 2017)*

Sheet 66 of 69

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

Final Design Route Map

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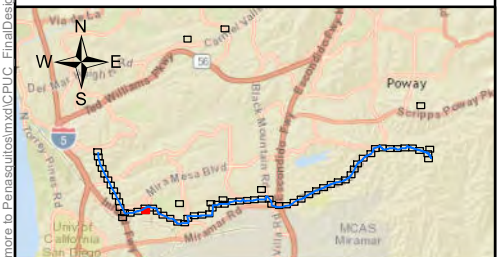
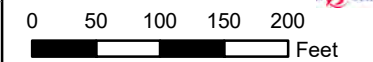
Sheet 67 of 69

Final Design

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

Final Design Route Map

Rev.1 (January 2017)*

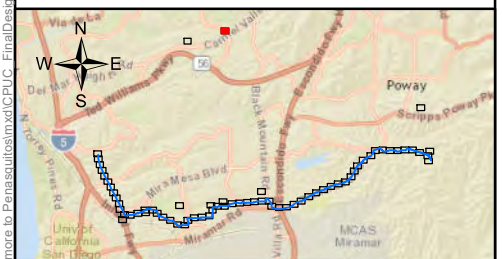
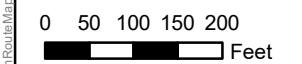
Sheet 68 of 69

Final Design

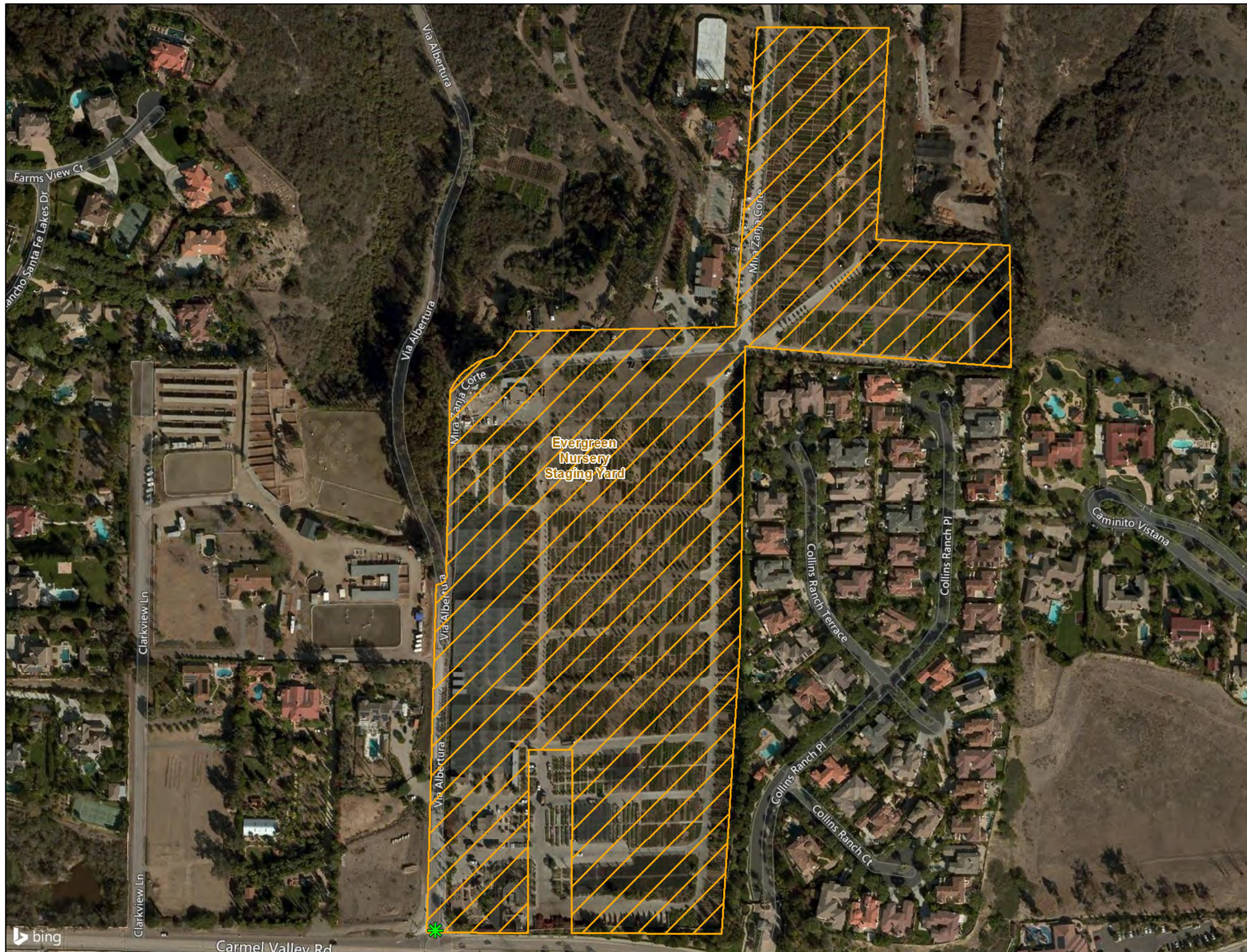
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Carmel Valley Rd



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

Final Design Route Map

Rev.1 (January 2017)*

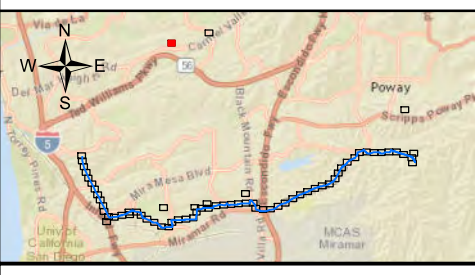
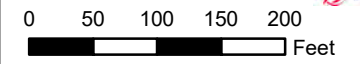
Sheet 69 of 69

Final Design

- Existing Structure
- Proposed Structure
- Proposed New ADSS Intersect Structure
- Removed Pole
- AC Mitigation Location
- ✱ Entrance Point
- New 230kV Overhead
- - Reconductor 230kV Overhead
- - Reconductor 138kV Overhead
- + + New 230 kV Underground
- + + Reconductor 138 kV Underground
- Access Road
- ▬ Retaining Wall
- Underground Vault
- Potential Staging Yard
- Substation

This map depicts permanent project components and potential staging yards only. Additional area may be utilized temporarily to facilitate construction.

*Rev.1 of this Final Design Route Map incorporates approved Minor Project Refinement Nos. 1 and 2.



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