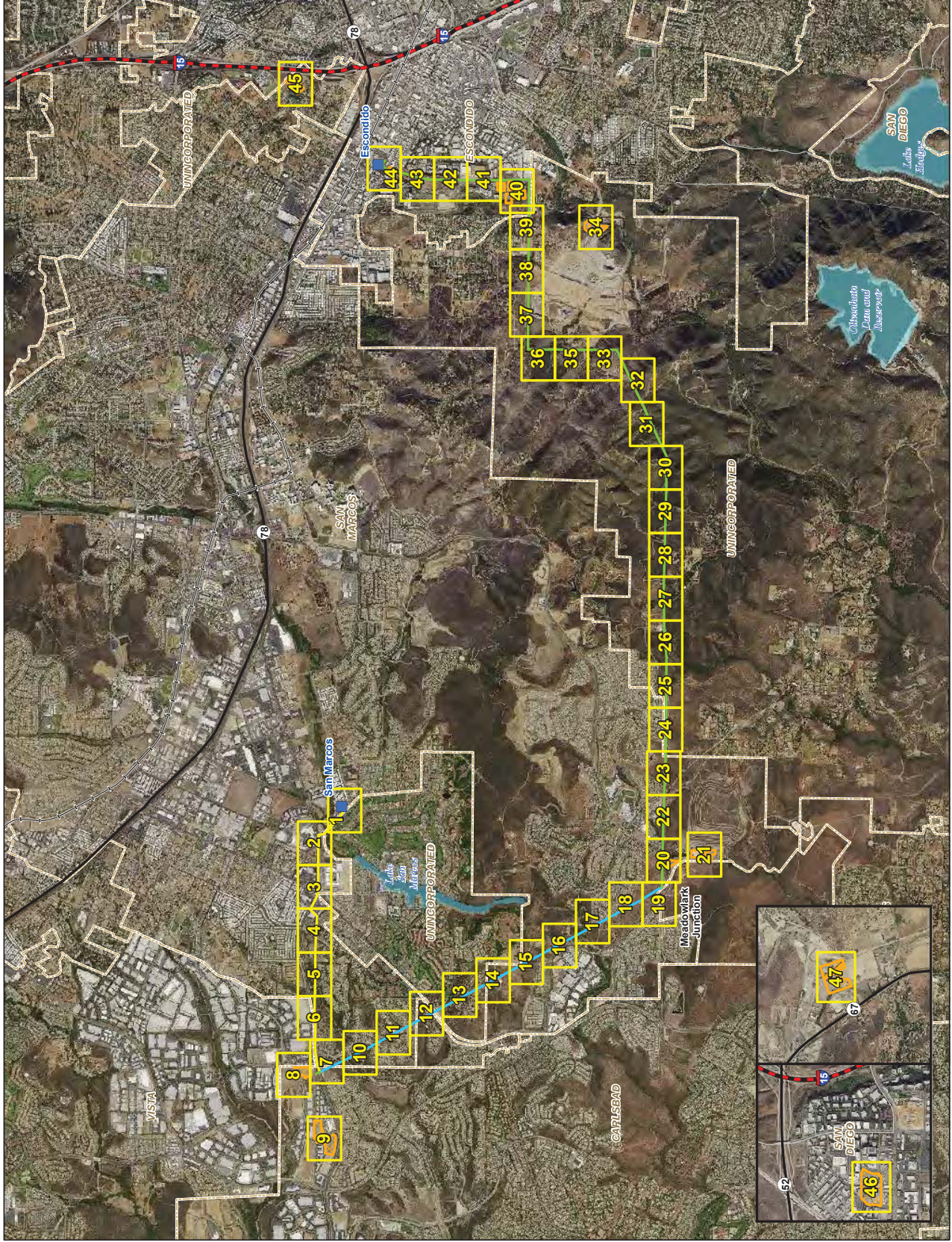


APPENDIX 3-A: TL 6975 POWER LINE ROUTE MAP

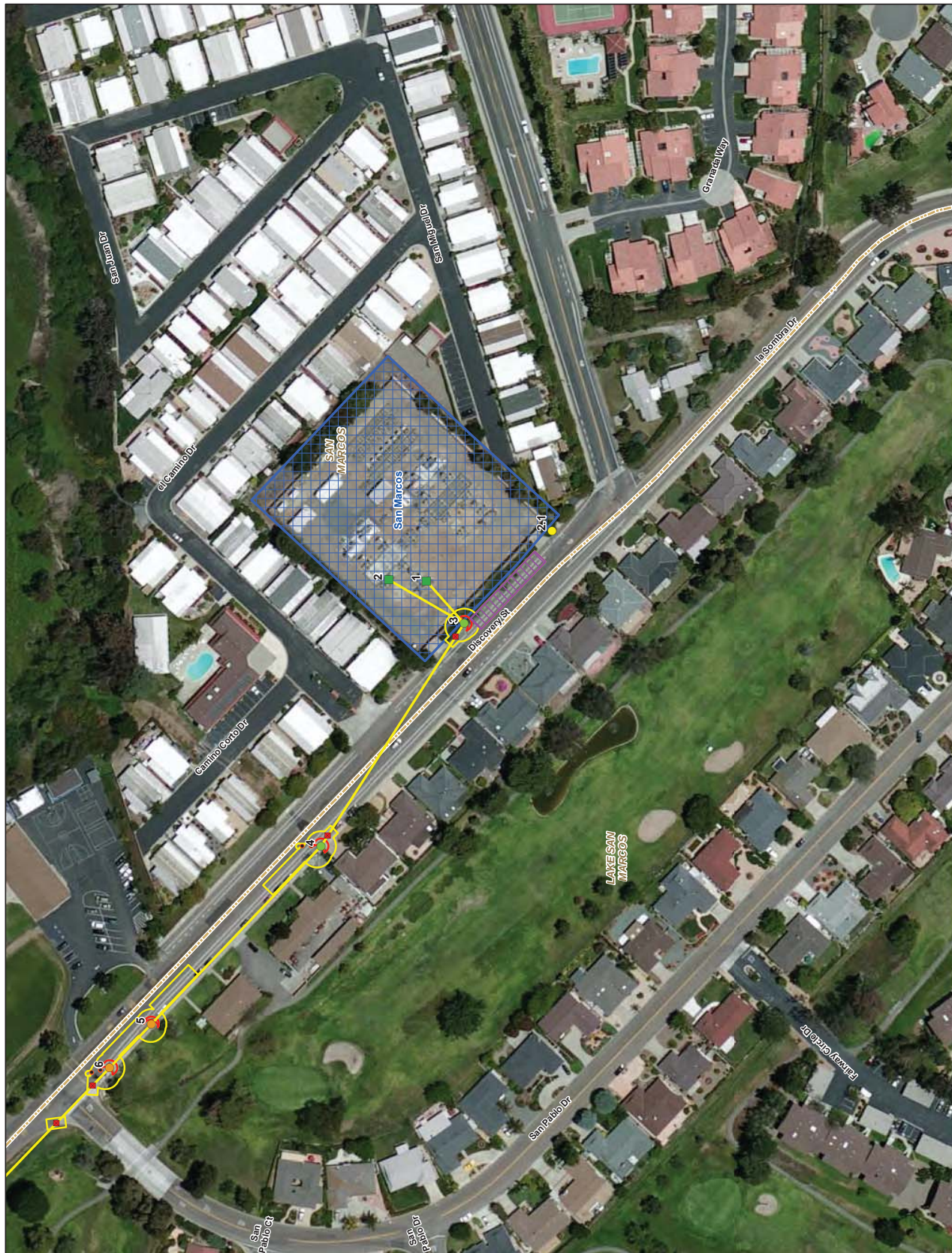
TL6975 San Marcos to Escondido Appendix 3-A Power Line Route Mapbook

- Legend**
- Project Alignment**
- Segment 1 - Rebuild
 - Segment 2 - New Build
 - Segment 3 - Re-conductor
- Project Features**
- Staging Yard
- General Features**
- Existing Substation
 - Interstate
 - State Highway
 - Railroad
 - City Boundary
 - County Boundary
 - Waterbody
 - Mapbook Page



TL6975 San Marcos to Escondido Appendix 3-A Power Line Route Mapbook

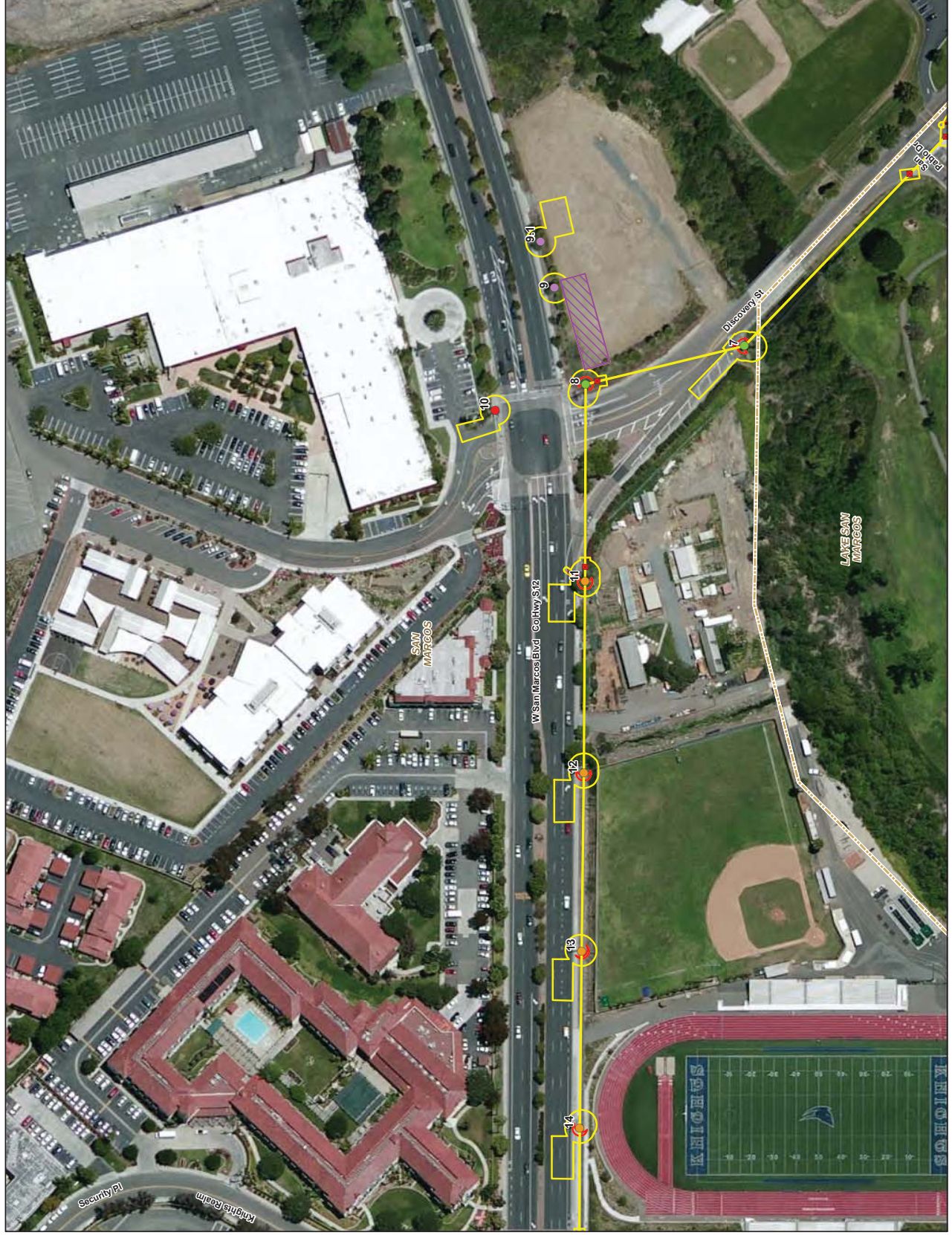
- Legend**
- Project Structures**
- Replace existing with pier foundation
 - New pier foundation
 - Replace existing with direct bury
 - New direct bury
 - Overhead Work
 - Overhead work / anchor work
 - Existing structure re-energize conductors
 - No work / information only
 - Remove From Service
 - Rack
 - Guard Structures
- Project Alignment**
- Segment 1 - Rebuild
 - Segment 2 - New Build
 - Segment 3 - Reconductor
- Project Features**
- Existing Access Road
 - New Access Road
 - Distribution Trench
 - Stringing Site
 - Permanent Work Area or Grading Impacts
 - Temporary Work Area or Grading Impacts
 - Staging Yard
- General Features**
- Interstate
 - State Highway
 - Railroad
 - Existing Substation
 - City Boundary
 - County Boundary



TL6975 San Marcos to Escondido Appendix 3-A Power Line Route Mapbook

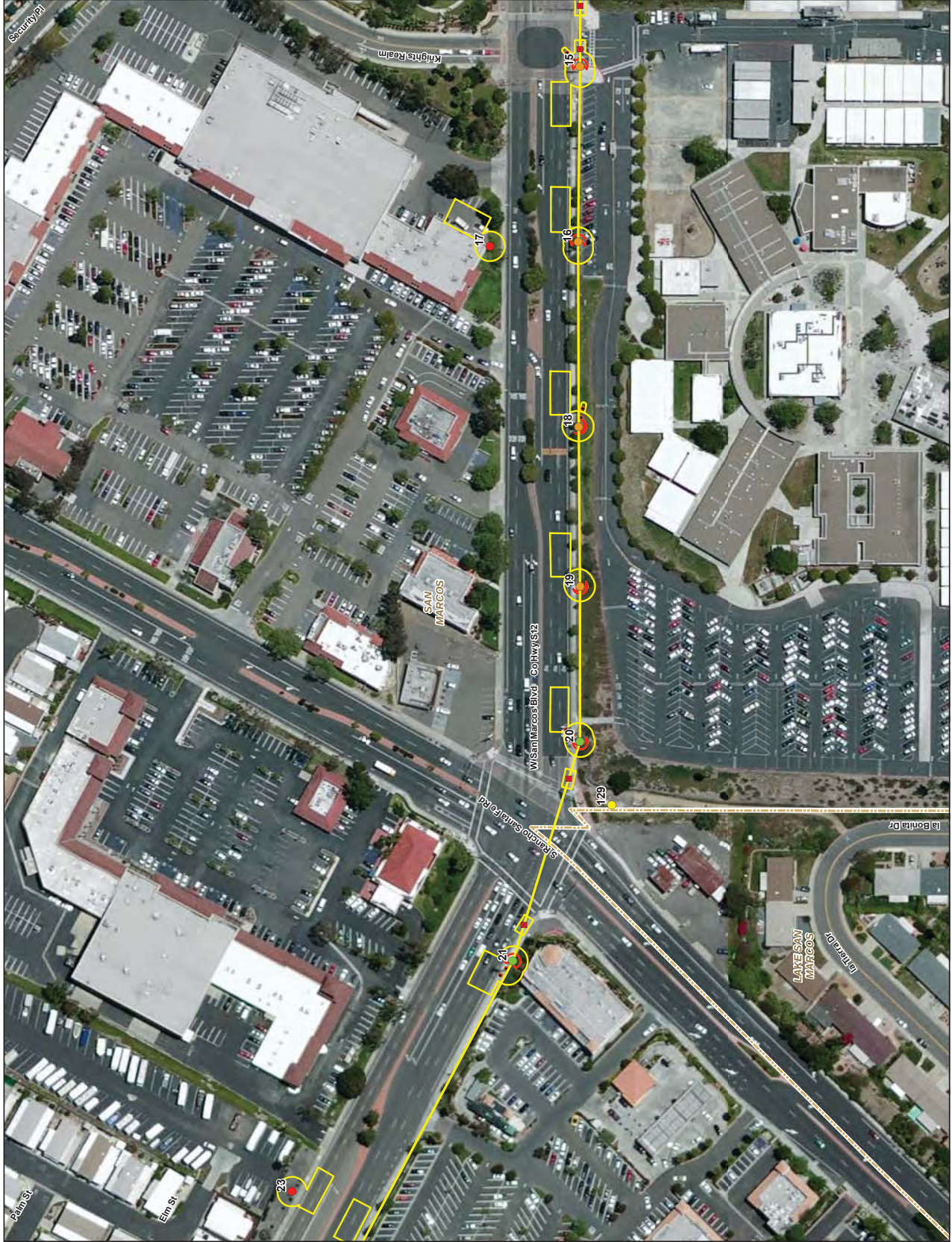
Legend

- Project Structures**
- Replace existing with pier foundation
 - New pier foundation
 - Replace existing with direct bury
 - New direct bury
 - Overhead Work
 - Overhead work / anchor work
 - Existing structure re-energize conductors
 - No work / information only
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 - Rack
 - Guard Structures
- Project Alignment**
- Segment 1 - Rebuild
 - Segment 2 - New Build
 - Segment 3 - Reconductor
- Project Features**
- Existing Access Road
 - New Access Road
 - Distribution Trench
 - Stringing Site
 - Permanent Work Area or Grading Impacts
 - Temporary Work Area or Grading Impacts
 - Staging Yard
- General Features**
- Interstate
 - State Highway
 - Railroad
 - Existing Substation
 - City Boundary
 - County Boundary

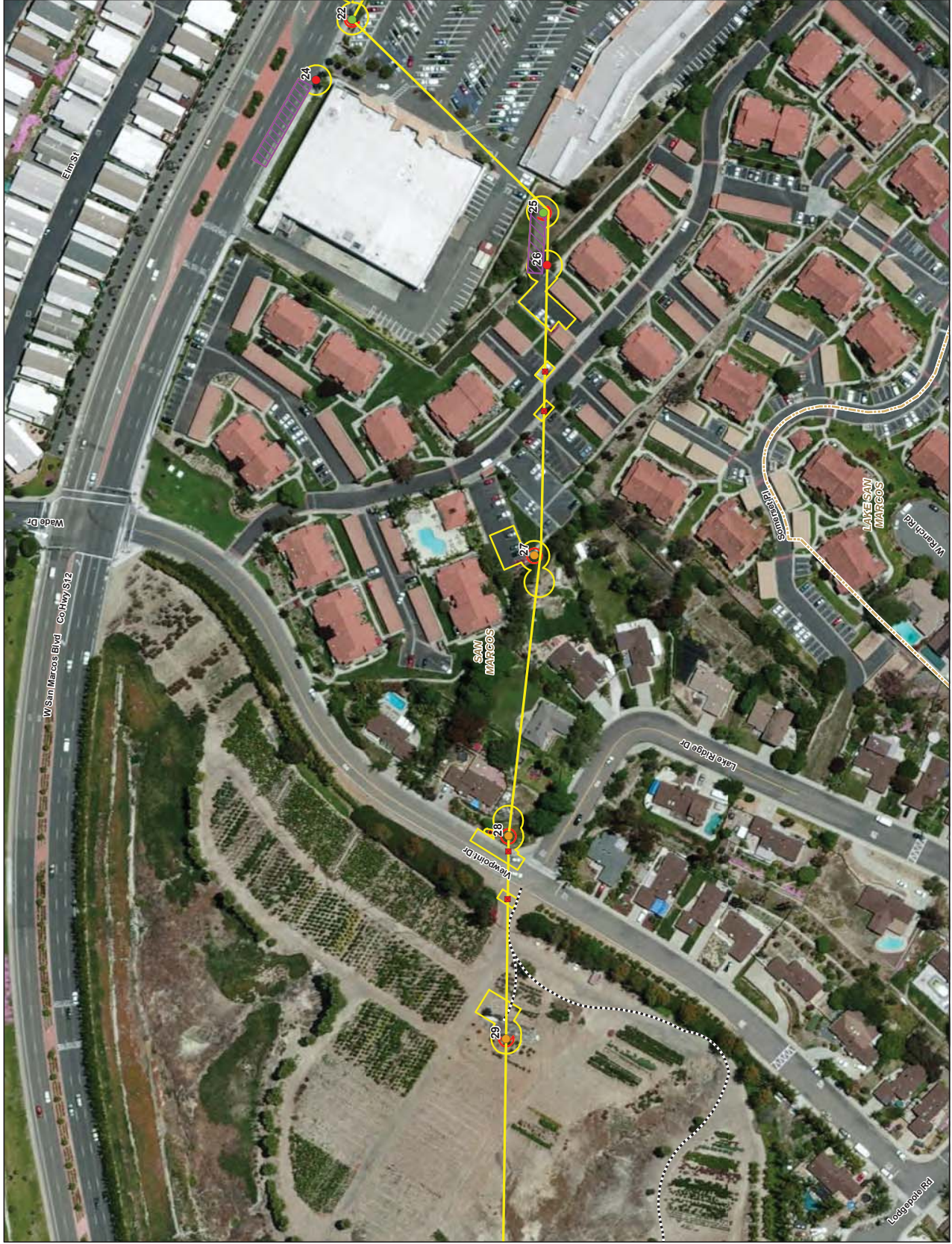
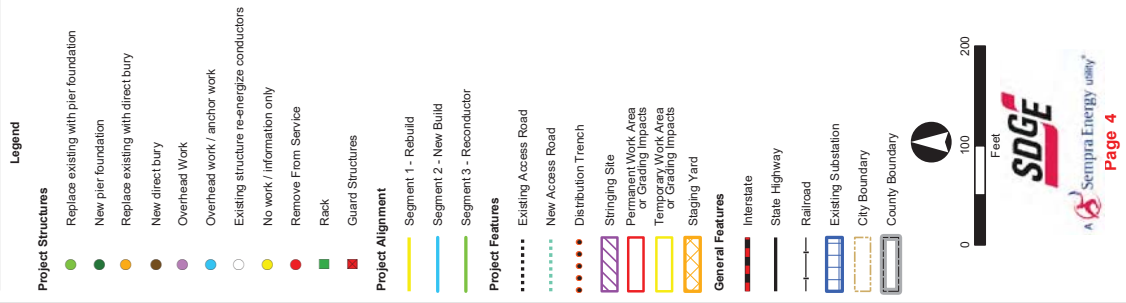


TL975 San Marcos to Escondido Appendix 3-A Power Line Route Mapbook

- Legend**
- Project Structures**
- Replace existing with pier foundation
 - New pier foundation
 - Replace existing with direct bury
 - New direct bury
 - Overhead Work
 - Overhead work / anchor work
 - Existing structure re-energize conductors
 - No work / information only
 - Remove From Service
 - Rack
 - Guard Structures
- Project Alignment**
- Segment 1 - Rebuild
 - Segment 2 - New Build
 - Segment 3 - Re-conductor
- Project Features**
- Existing Access Road
 - New Access Road
 - Distribution Trench
 - Stringing Site
 - Permanent Work Area or Grading Impacts
 - Temporary Work Area or Grading Impacts
 - Staging Yard
- General Features**
- Interstate
 - State Highway
 - Railroad
 - Existing Substation
 - City Boundary
 - County Boundary



TL6975 San Marcos to Escondido Appendix 3-A Power Line Route Mapbook





TL6975 San Marcos
to Escondido
Appendix 3-A
Power Line
Route Mapbook

Legend

Project Structures

●

 Replace existing with pier foundation

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 New pier foundation

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 Replace existing with direct bury

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 New direct bury

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 Overhead Work

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 Overhead work / anchor work

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 Existing structure re-energize conductors

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 No work / information only

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 Remove From Service

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 Rack

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 Guard Structures

Project Alignment

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 Segment 1 - Rebuild

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 Segment 2 - New Build

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 Segment 3 - Reconnector

Project Features

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 Existing Access Road

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 New Access Road

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 Distribution Trench

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 Stringing Site

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 Permanent Work Area or Grading Impacts

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 Temporary Work Area or Grading Impacts

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 Staging Yard

General Features

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 Interstate

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 State Highway

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 Railroad

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 Existing Substation

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 City Boundary

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 County Boundary

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Feet

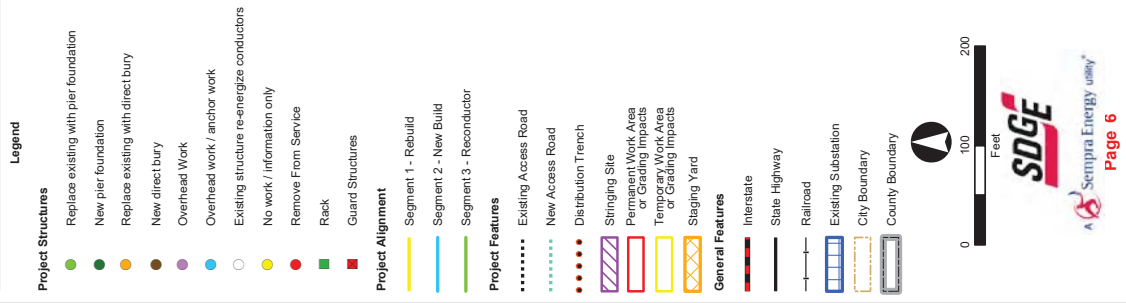
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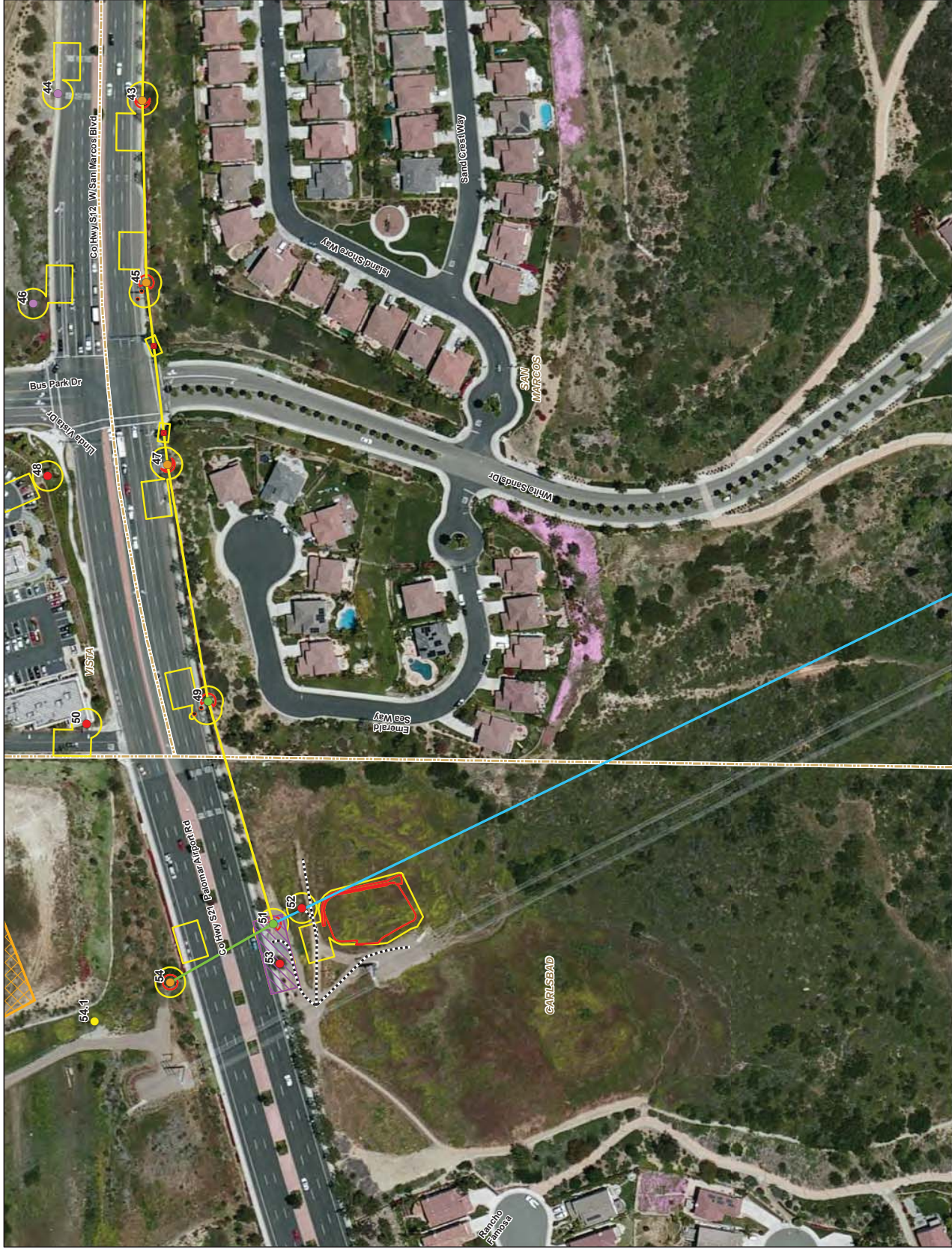
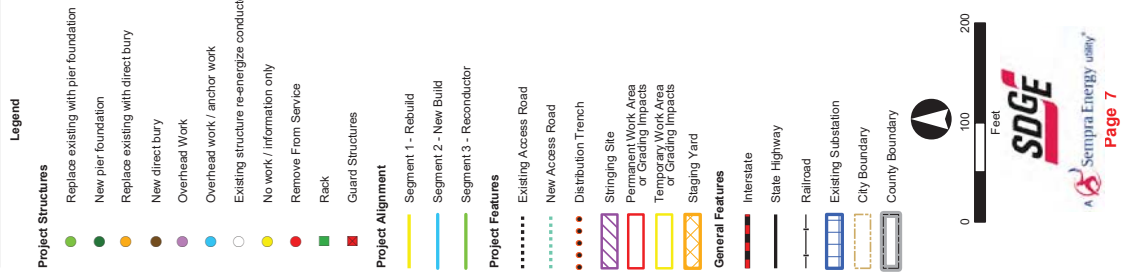
Sempra Energy

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TL6975 San Marcos to Escondido Appendix 3-A Power Line Route Mapbook

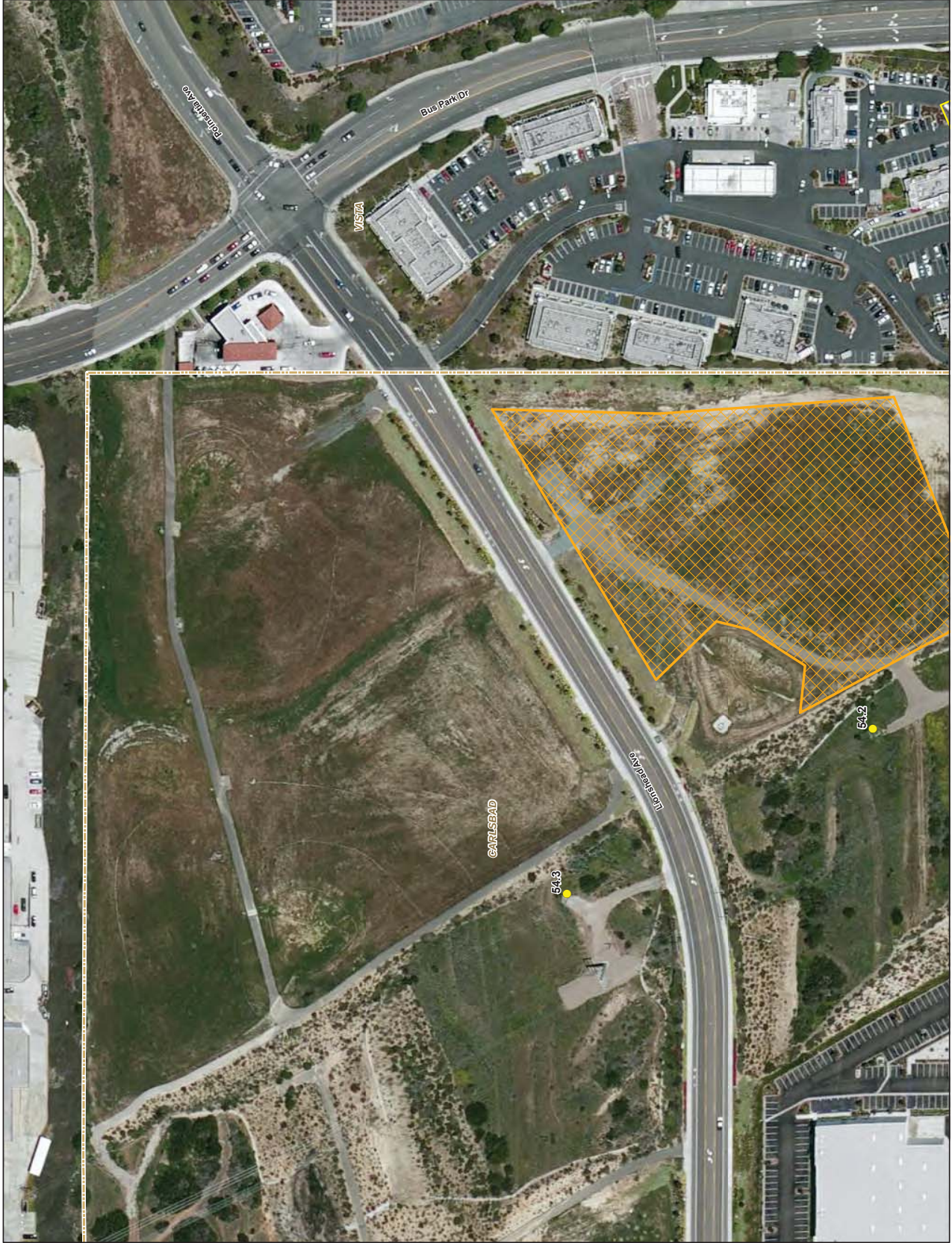
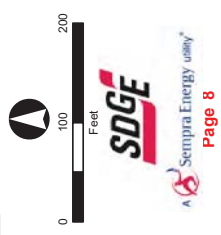


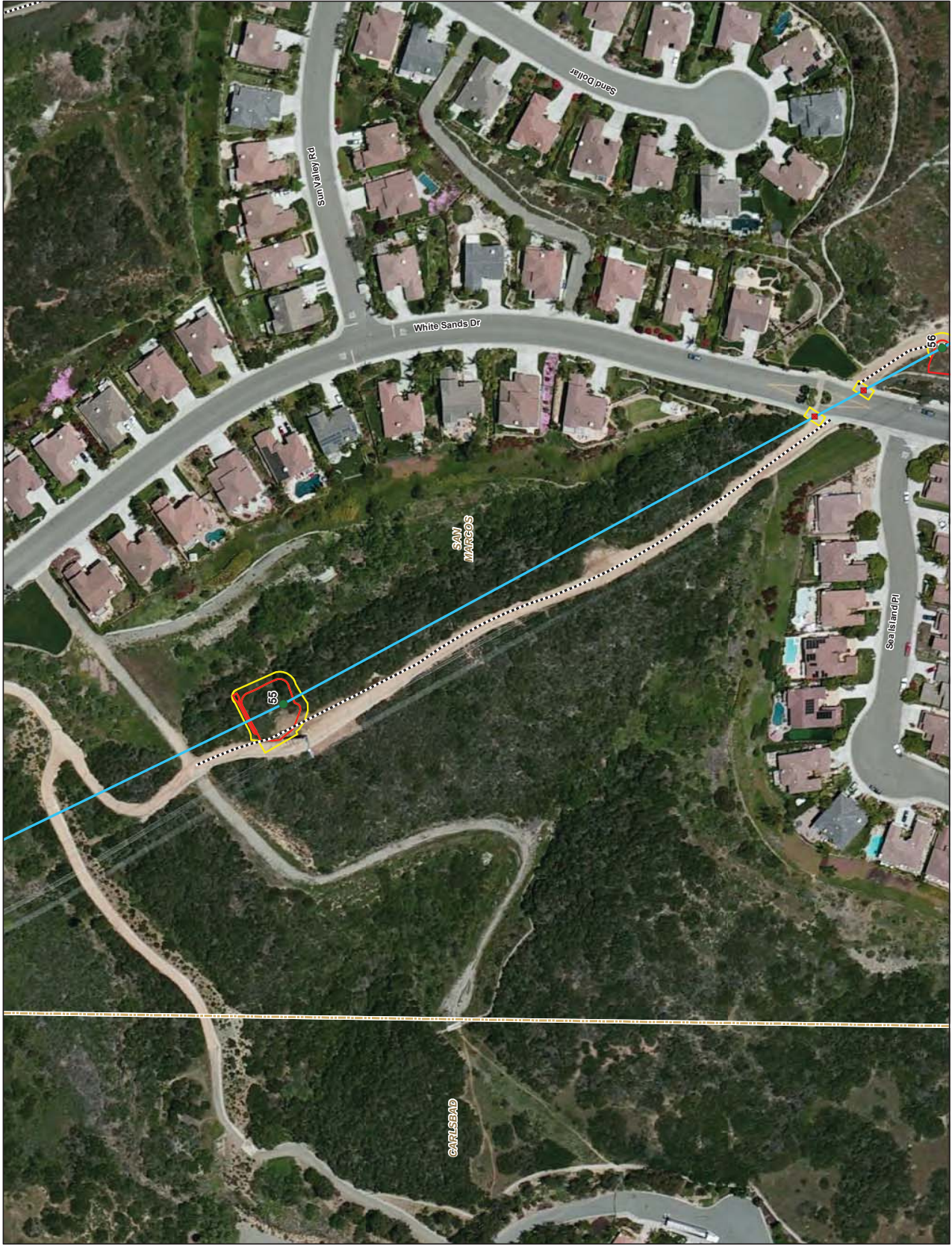
TL6975 San Marcos to Escondido Appendix 3-A Power Line Route Mapbook



TL6975 San Marcos to Escondido Appendix 3-A Power Line Route Mapbook

- Legend**
- Project Structures**
- Replace existing with pier foundation
 - New pier foundation
 - Replace existing with direct bury
 - New direct bury
 - Overhead Work
 - Overhead work / anchor work
 - Existing structure re-energize conductors
 - No work / information only
 - Remove From Service
 - Rack
 - Guard Structures
- Project Alignment**
- Segment 1 - Rebuild
 - Segment 2 - New Build
 - Segment 3 - Reconnector
- Project Features**
- Existing Access Road
 - New Access Road
 - Distribution Trench
 - Stringing Site
 - Permanent Work Area or Grading Impacts
 - Temporary Work Area or Grading Impacts
 - Staging Yard
- General Features**
- Interstate
 - State Highway
 - Railroad
 - Existing Substation
 - City Boundary
 - County Boundary





TL6975 San Marcos
to Escondido
Appendix 3-A
Power Line
Route Mapbook

Legend

Project Structures

●

 Replace existing with pier foundation

●

 New pier foundation

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 Replace existing with direct bury

●

 New direct bury

●

 Overhead Work

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 Overhead work / anchor work

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 Existing structure re-energize conductors

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 No work / information only

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 Remove From Service

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 Rack

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 Guard Structures

Project Alignment

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 Segment 1 - Rebuild

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 Segment 2 - New Build

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 Segment 3 - Re-conductor

Project Features

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 Existing Access Road

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 New Access Road

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 Distribution Trench

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 Stringing Site

.....

 Permanent Work Area or Grading Impacts

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 Temporary Work Area or Grading Impacts

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 Staging Yard

General Features

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 Interstate

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 State Highway

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 Railroad

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 Existing Substation

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 City Boundary

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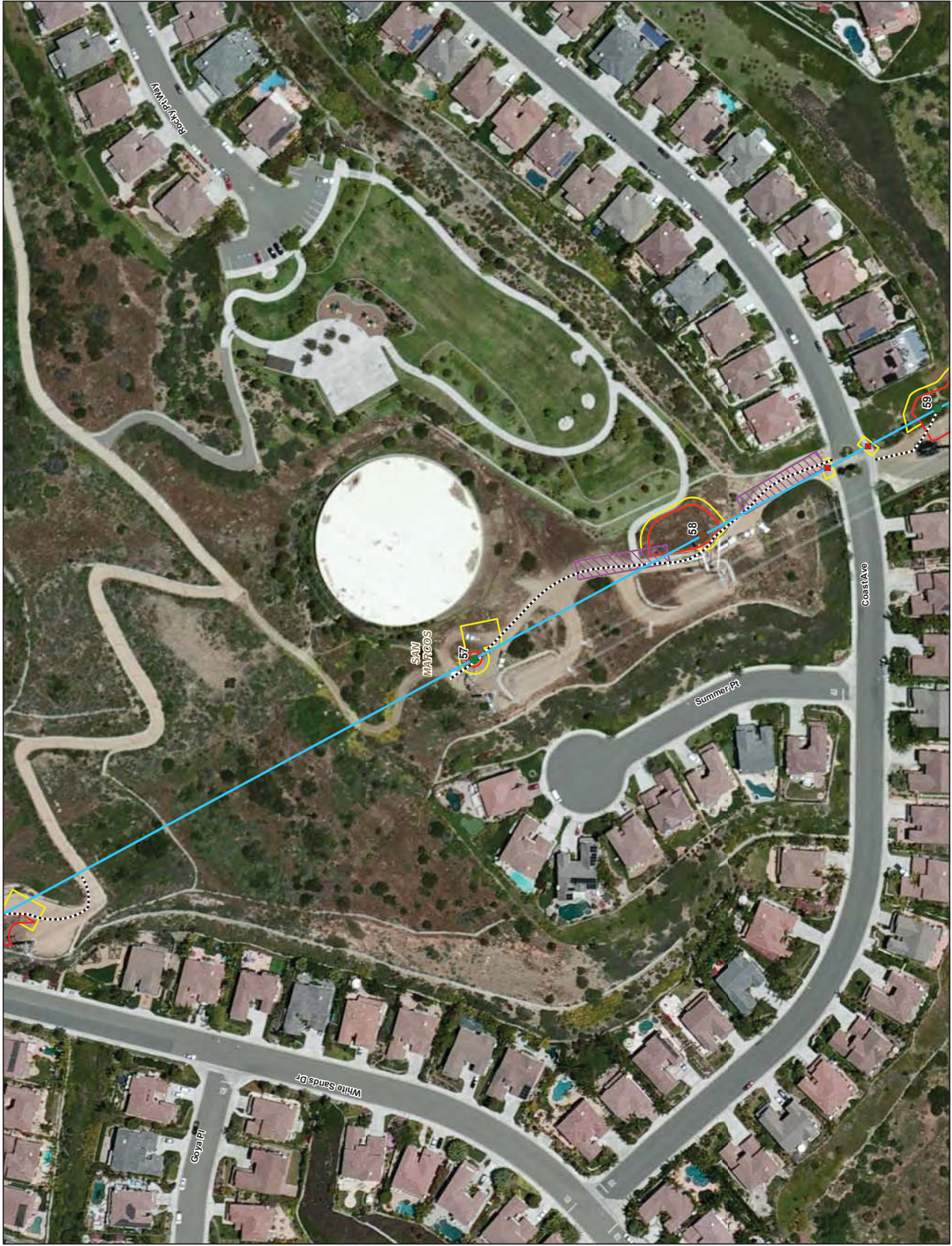
 County Boundary

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TL6975 San Marcos to Escondido

Appendix 3-A

Power Line

Route Mapbook

Legend

Project Structures

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 Replace existing with pier foundation

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 New pier foundation

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 Replace existing with direct bury

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 New direct bury

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 Overhead Work

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 Overhead work / anchor work

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 Existing structure re-energize conductors

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 No work / information only

●

 Remove From Service

■

 Rack

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 Guard Structures

Project Alignment

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 Segment 1 - Rebuild

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 Segment 2 - New Build

—

 Segment 3 - Re-conductor

Project Features

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 Existing Access Road

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 New Access Road

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 Distribution Trench

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 Stringing Site

.....

 Permanent Work Area or Grading Impacts

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 Temporary Work Area or Grading Impacts

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 Staging Yard

General Features

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 Interstate

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 State Highway

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 Railroad

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 Existing Substation

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 City Boundary

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 County Boundary

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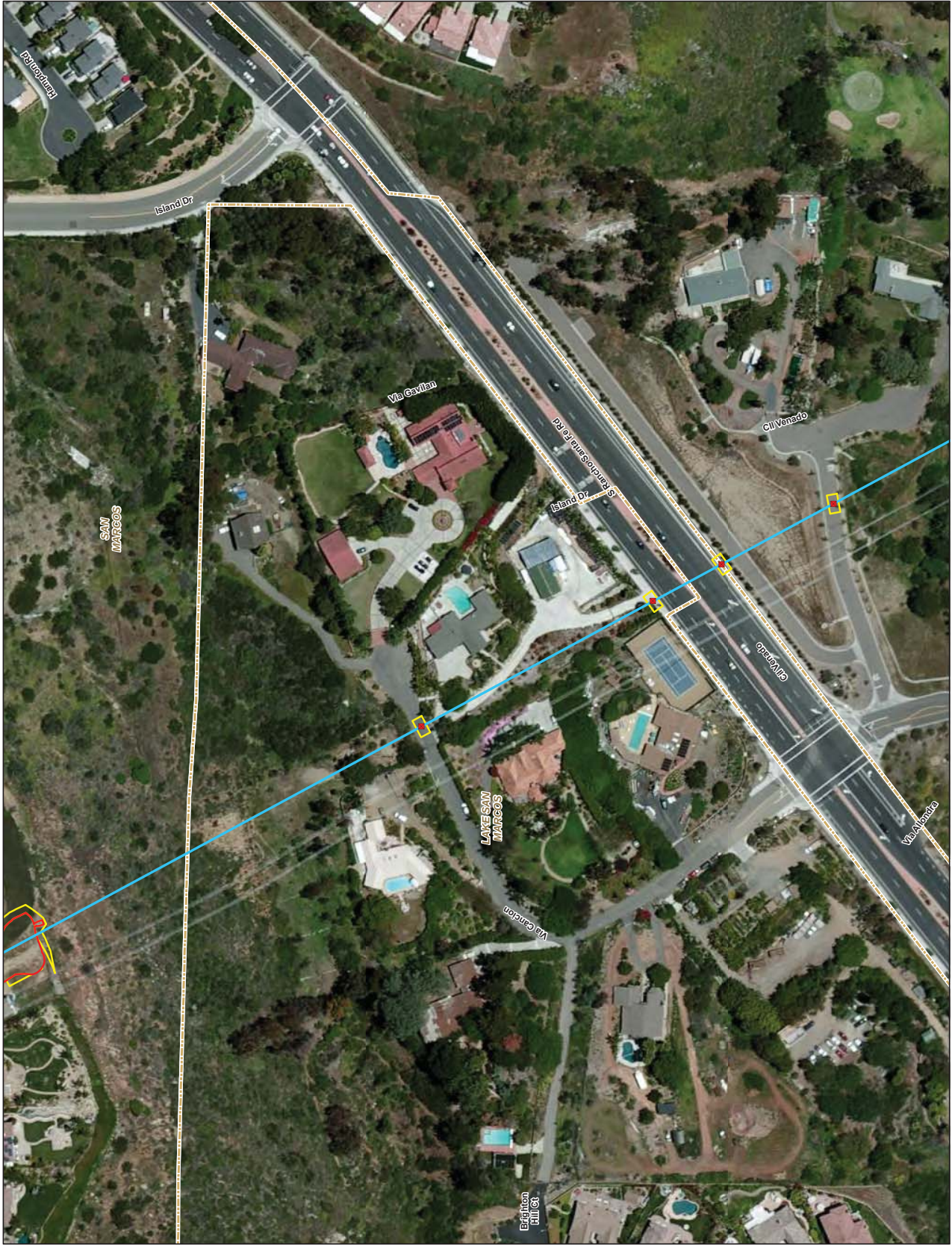
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Page 11



TL6975 San Marcos
to Escondido
Appendix 3-A
Power Line
Route Mapbook

Legend

Project Structures

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 Replace existing with pier foundation

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 New pier foundation

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 New direct bury

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 Overhead Work

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 Overhead work / anchor work

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 Existing structure re-energize conductors

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 No work / information only

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 Remove From Service

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 Rack

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 Guard Structures

Project Alignment

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 Segment 1 - Rebuild

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 Segment 2 - New Build

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 Segment 3 - Re-conductor

Project Features

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 Existing Access Road

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 New Access Road

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 Distribution Trench

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 Stringing Site

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 Permanent Work Area or Grading Impacts

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 Temporary Work Area or Grading Impacts

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 Staging Yard

General Features

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 Interstate

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 State Highway

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 Railroad

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 Existing Substation

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 City Boundary

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 County Boundary

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Feet

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SDGE

Sempra Energy

Page 12



TL6975 San Marcos to Escondido

Appendix 3-A

Power Line

Route Mapbook

Legend

Project Structures

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 Replace existing with pier foundation

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 New pier foundation

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 Replace existing with direct bury

●

 New direct bury

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 Overhead Work

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 Overhead work / anchor work

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 Existing structure re-energize conductors

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 No work / information only

●

 Remove From Service

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 Rack

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 Guard Structures

Project Alignment

—

 Segment 1 - Rebuild

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 Segment 2 - New Build

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 Segment 3 - Re-conductor

Project Features

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 Existing Access Road

.....

 New Access Road

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 Distribution Trench

.....

 Stringing Site

.....

 Permanent Work Area or Grading Impacts

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 Temporary Work Area or Grading Impacts

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 Staging Yard

General Features

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 Interstate

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 State Highway

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 Railroad

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 Existing Substation

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 City Boundary

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 County Boundary

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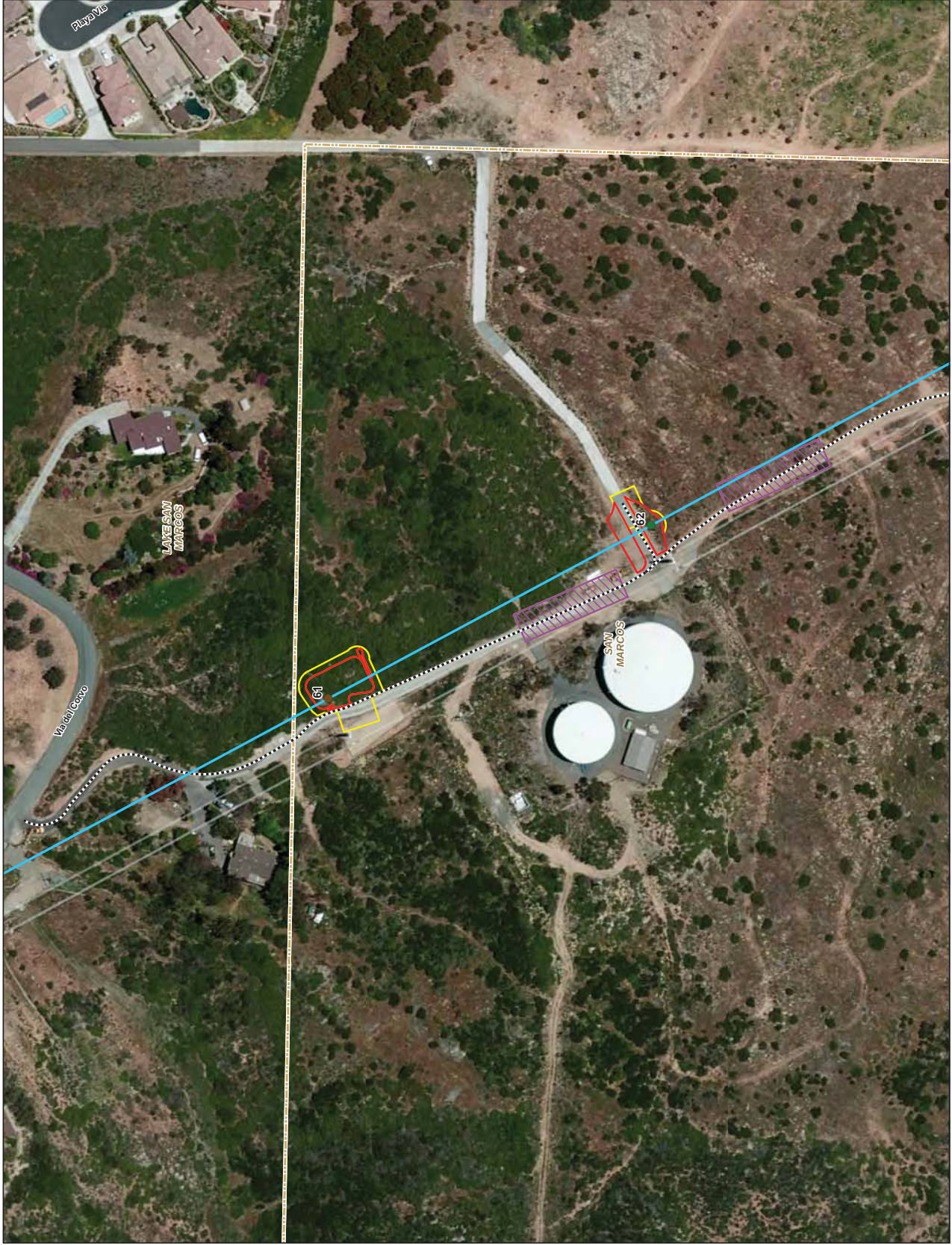
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Sempra Energy

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TL6975 San Marcos
to Escondido
Appendix 3-A
Power Line
Route Mapbook

Legend

Project Structures

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 Replace existing with pier foundation

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 New pier foundation

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 Replace existing with direct bury

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 New direct bury

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 Overhead Work

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 Overhead work / anchor work

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 Existing structure re-energize conductors

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 No work / information only

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 Remove From Service

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 Rack

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 Guard Structures

Project Alignment

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 Segment 1 - Rebuild

—

 Segment 2 - New Build

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 Segment 3 - Reconnector

Project Features

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 Existing Access Road

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 New Access Road

.....

 Distribution Trench

.....

 Stringing Site

.....

 Permanent Work Area or Grading Impacts

.....

 Temporary Work Area or Grading Impacts

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 Staging Yard

General Features

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 Interstate

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 State Highway

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 Railroad

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 Existing Substation

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 City Boundary

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 County Boundary

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Feet

SDGE

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TL6975 San Marcos
to Escondido
Appendix 3-A
Power Line
Route Mapbook

Legend

Project Structures

●

 Replace existing with pier foundation

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 New pier foundation

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 Replace existing with direct bury

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 New direct bury

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 Overhead Work

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 Overhead work / anchor work

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 Existing structure re-energize conductors

●

 No work / information only

●

 Remove From Service

■

 Rack

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 Guard Structures

Project Alignment

—

 Segment 1 - Rebuild

—

 Segment 2 - New Build

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 Segment 3 - Reconductor

Project Features

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 Existing Access Road

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 New Access Road

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 Distribution Trench

.....

 Stringing Site

.....

 Permanent Work Area or Grading Impacts

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 Temporary Work Area or Grading Impacts

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 Staging Yard

General Features

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 Interstate

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 State Highway

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 Railroad

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 Existing Substation

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 City Boundary

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 County Boundary

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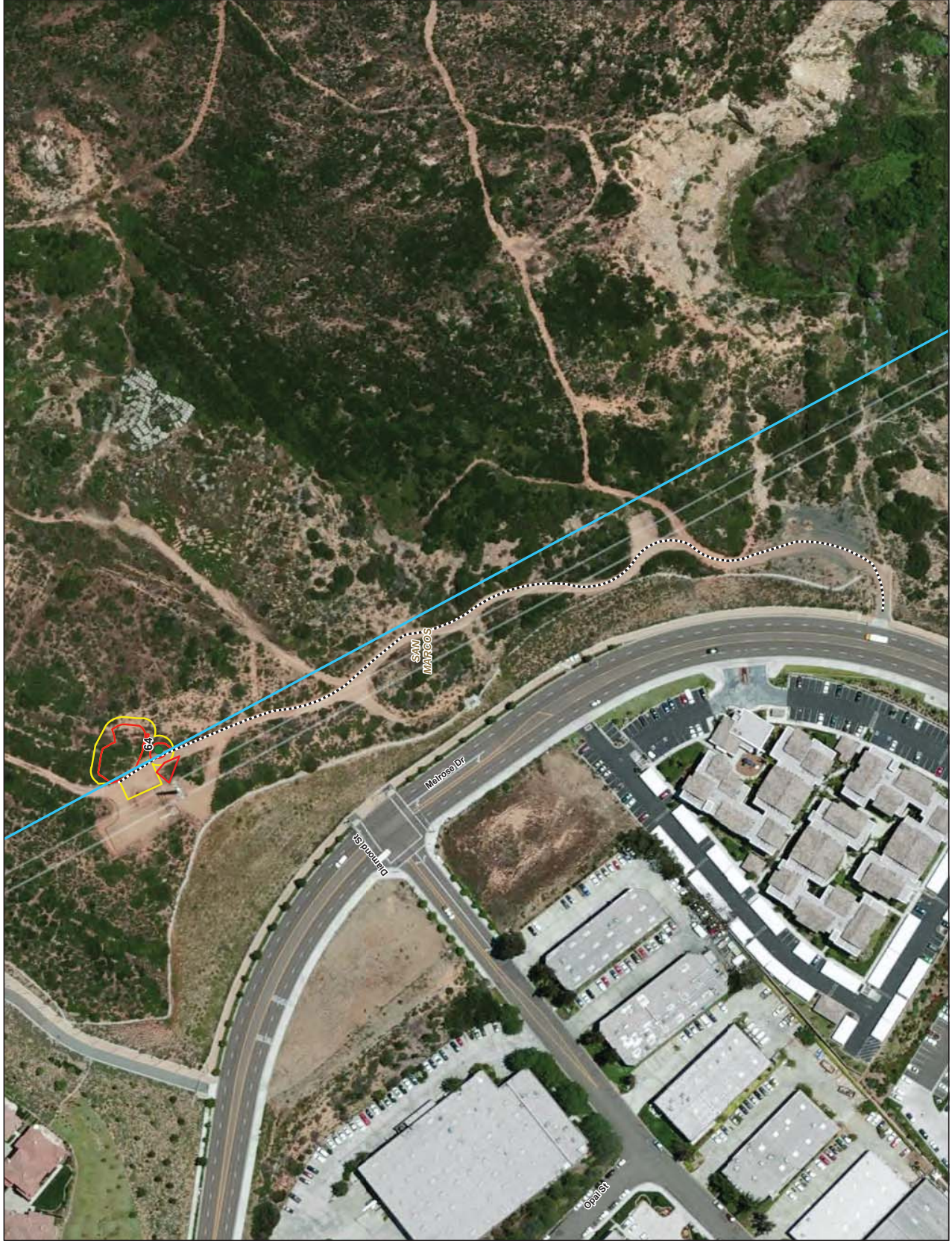
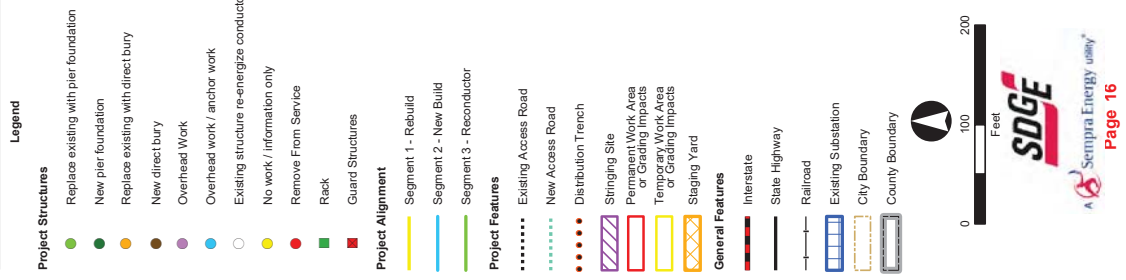
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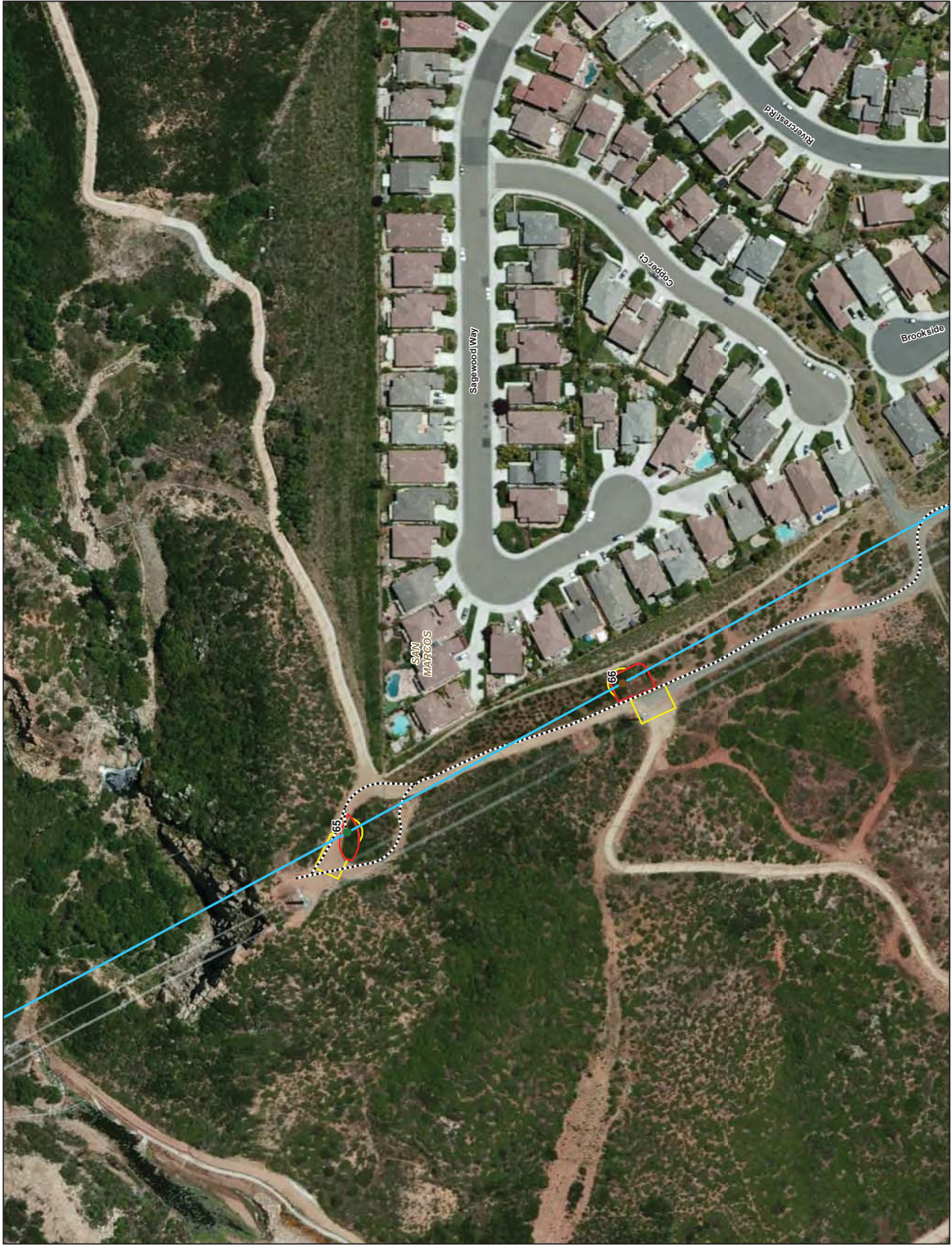
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Sempra Energy utility

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TL6975 San Marcos to Escondido Appendix 3-A Power Line Route Mapbook





TL6975 San Marcos
to Escondido
Appendix 3-A
Power Line
Route Mapbook

Legend

Project Structures

●

 Replace existing with pier foundation

●

 New pier foundation

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 Replace existing with direct bury

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 New direct bury

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 Overhead Work

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 Overhead work / anchor work

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 Existing structure re-energize conductors

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 No work / information only

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 Remove From Service

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 Rack

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 Guard Structures

Project Alignment

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 Segment 1 - Rebuild

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 Segment 2 - New Build

—

 Segment 3 - Re-conductor

Project Features

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 Existing Access Road

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 New Access Road

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 Distribution Trench

.....

 Stringing Site

.....

 Permanent Work Area or Grading Impacts

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 Temporary Work Area or Grading Impacts

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 Staging Yard

General Features

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 Interstate

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 State Highway

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 Railroad

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 Existing Substation

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 City Boundary

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 County Boundary

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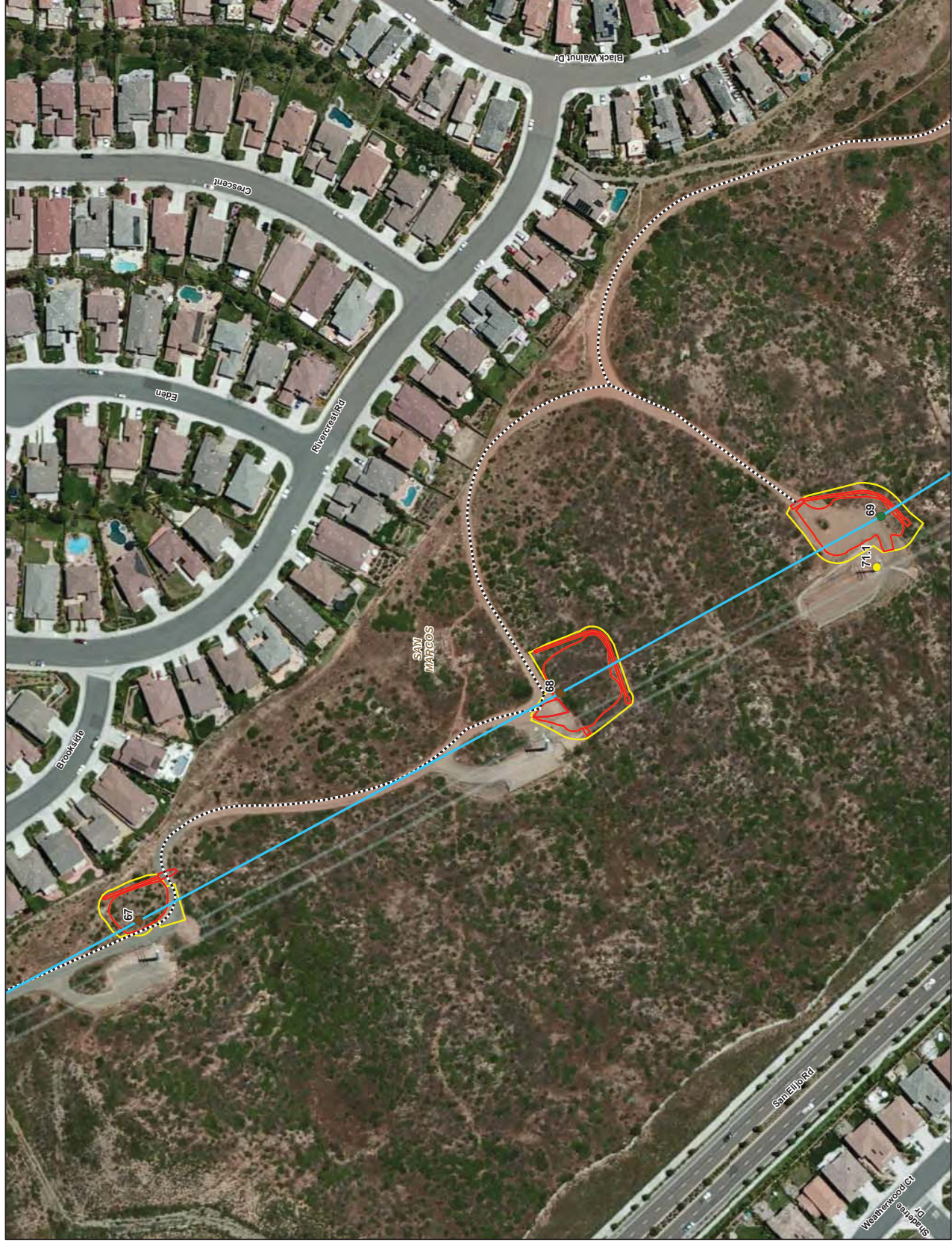
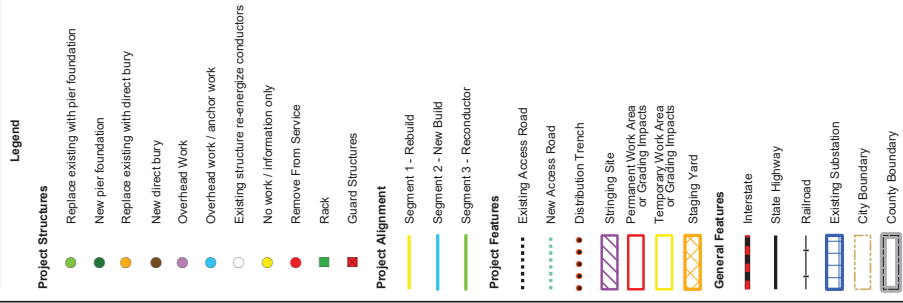
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Sempra Energy

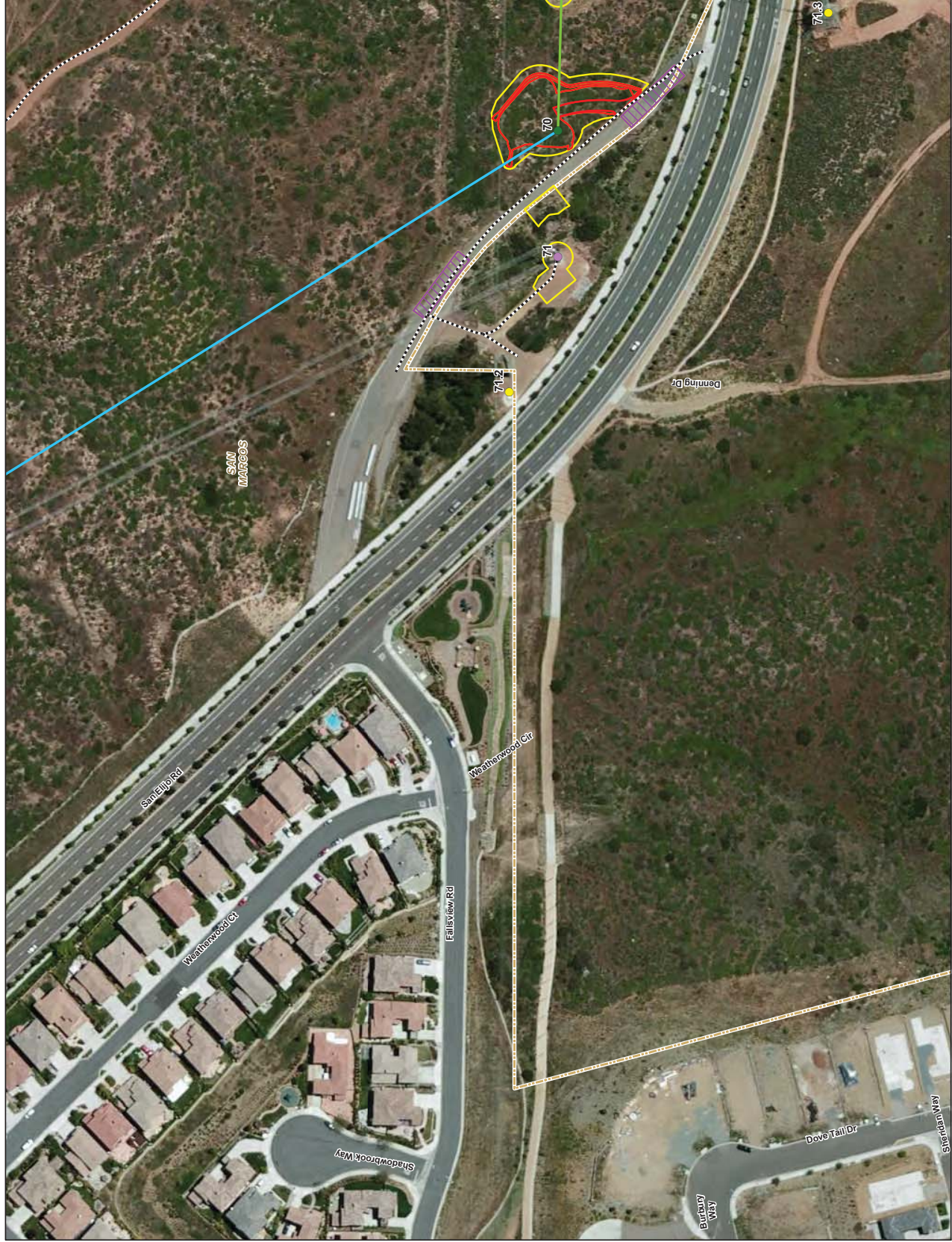
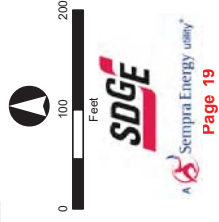
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TL6975 San Marcos to Escondido Appendix 3-A Power Line Route Mapbook



TL6975 San Marcos to Escondido Appendix 3-A Power Line Route Mapbook

- Legend**
- Project Structures**
- Replace existing with pier foundation
 - New pier foundation
 - Replace existing with direct bury
 - New direct bury
 - Overhead Work
 - Overhead work / anchor work
 - Existing structure re-energize conductors
 - No work / information only
 - Remove From Service
 - Rack
 - Guard Structures
- Project Alignment**
- Segment 1 - Rebuild
 - Segment 2 - New Build
 - Segment 3 - Reconnector
- Project Features**
- Existing Access Road
 - New Access Road
 - Distribution Trench
 - Stringing Site
 - Permanent Work Area or Grading Impacts
 - Temporary Work Area or Grading Impacts
 - Staging Yard
- General Features**
- Interstate
 - State Highway
 - Railroad
 - Existing Substation
 - City Boundary
 - County Boundary



TL6975 San Marcos to Escondido Appendix 3-A Power Line Route Mapbook

Legend

Project Structures

- Replace existing with pier foundation
- New pier foundation
- Replace existing with direct bury
- New direct bury
- Overhead Work
- Overhead work / anchor work
- Existing structure re-energize conductors
- No work / information only
- Remove From Service
- Rack
- Guard Structures

Project Alignment

- Segment 1 - Rebuild
- Segment 2 - New Build
- Segment 3 - Re-conductor

Project Features

- Existing Access Road
- New Access Road
- Distribution Trench
- Stringing Site
- Permanent Work Area or Grading Impacts
- Temporary Work Area or Grading Impacts
- Staging Yard

General Features

- Interstate
- State Highway
- Railroad
- Existing Substation
- City Boundary
- County Boundary

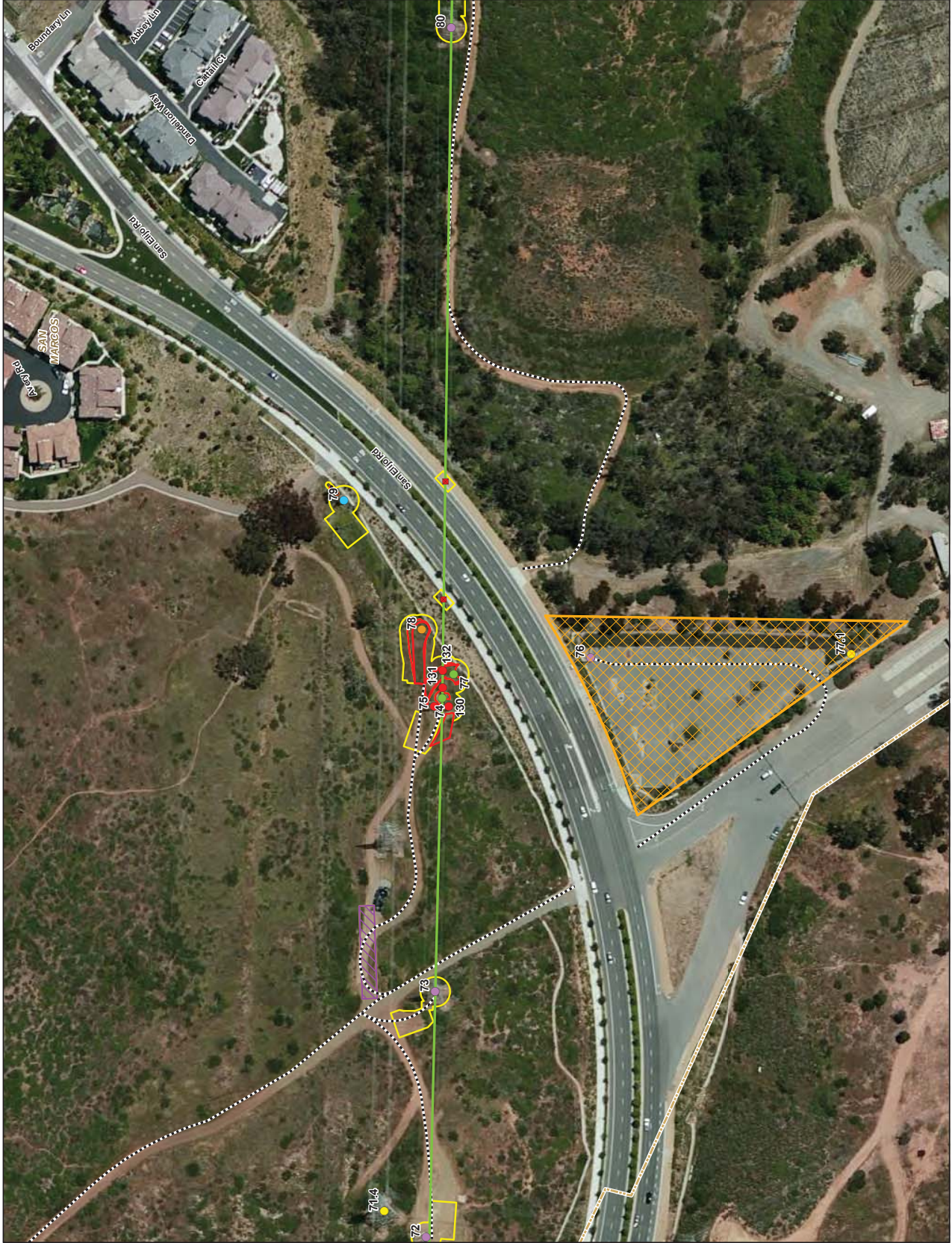
Scale

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SDGE

Sempra Energy

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TL6975 San Marcos
to Escondido
Appendix 3-A
Power Line
Route Mapbook

Legend

Project Structures

●

 Replace existing with pier foundation

●

 New pier foundation

●

 Replace existing with direct bury

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 New direct bury

●

 Overhead Work

●

 Overhead work / anchor work

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 Existing structure re-energize conductors

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 No work / information only

●

 Remove From Service

■

 Rack

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 Guard Structures

Project Alignment

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 Segment 1 - Rebuild

—

 Segment 2 - New Build

—

 Segment 3 - Reconductor

Project Features

.....

 Existing Access Road

.....

 New Access Road

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 Distribution Trench

.....

 Stringing Site

.....

 Permanent Work Area or Grading Impacts

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 Temporary Work Area or Grading Impacts

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 Staging Yard

General Features

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 Interstate

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 State Highway

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 Railroad

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 Existing Substation

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 City Boundary

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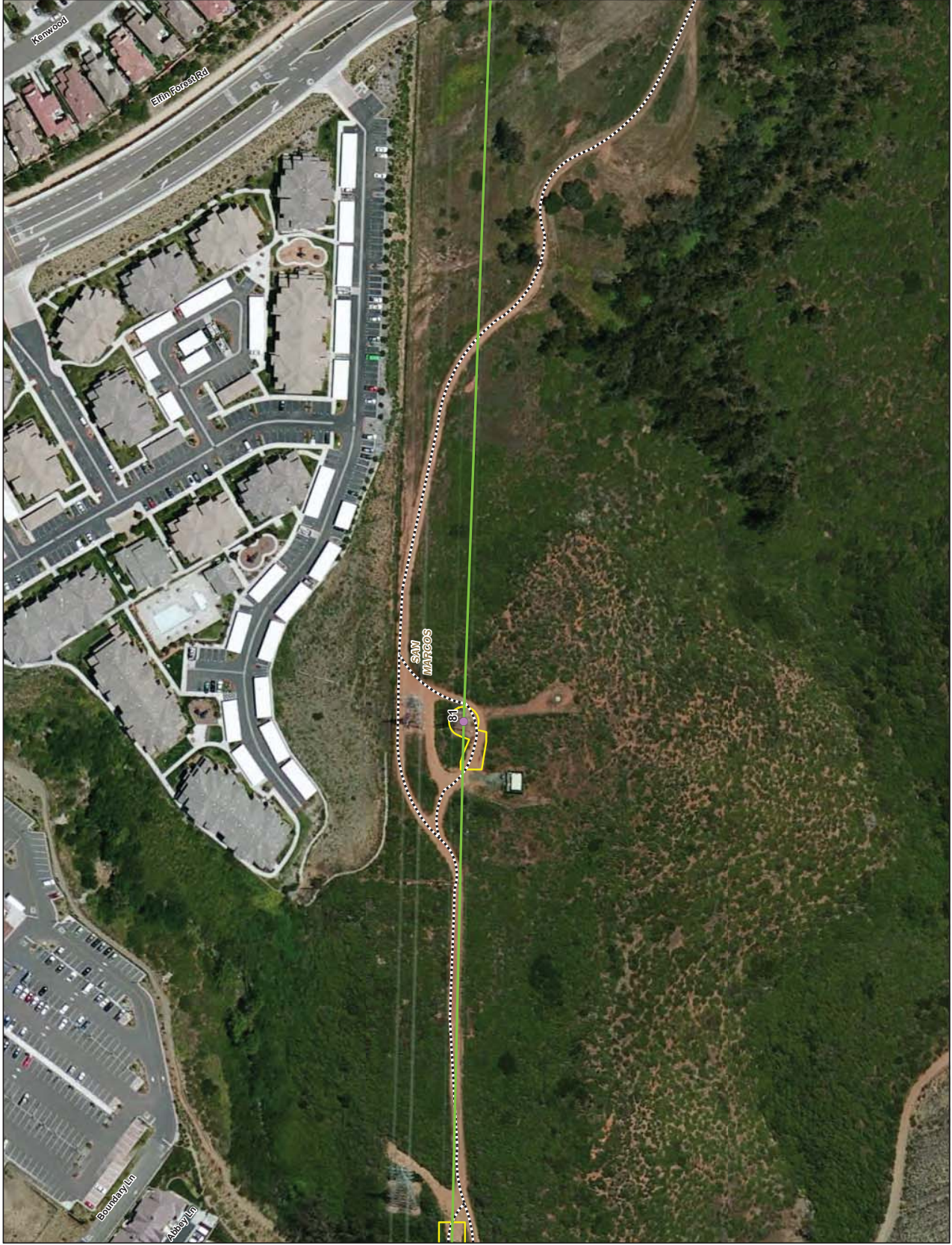
 County Boundary

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Feet

A Sempra Energy company

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TL6975 San Marcos to Escondido
Appendix 3-A
Power Line
Route Mapbook

Legend

Project Structures

●

 Replace existing with pier foundation

●

 New pier foundation

●

 Replace existing with direct bury

●

 New direct bury

●

 Overhead Work

●

 Overhead work / anchor work

○

 Existing structure re-energize conductors

●

 No work / information only

●

 Remove From Service

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 Rack

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 Guard Structures

Project Alignment

—

 Segment 1 - Rebuild

—

 Segment 2 - New Build

—

 Segment 3 - Reconnector

Project Features

.....

 Existing Access Road

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 New Access Road

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 Distribution Trench

.....

 Stringing Site

.....

 Permanent Work Area or Grading Impacts

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 Temporary Work Area or Grading Impacts

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 Staging Yard

General Features

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 Interstate

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 State Highway

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 Railroad

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 Existing Substation

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 City Boundary

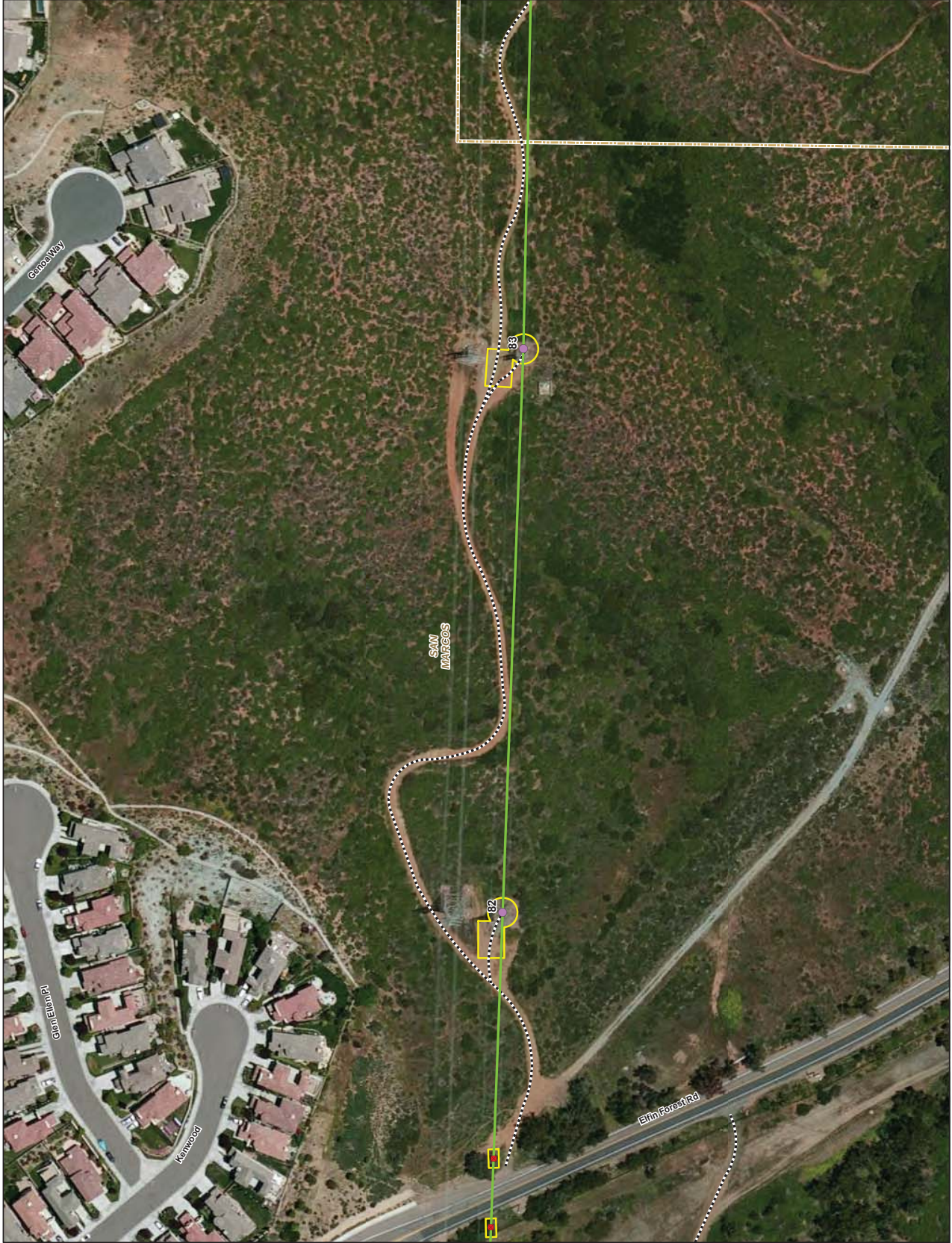
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 County Boundary

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Feet

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Appendix 3-A Power Line Route Mapbook

Legend

Project Structures

- Replace existing with pier foundation
- New pier foundation
- Replace existing with direct bury
- New direct bury
- Overhead Work
- Overhead work / anchor work
- Existing structure re-energize conductors
- No work / information only
- Remove From Service
- Rack
- Guard Structures

Project Alignment

- Segment 1 - Rebuild
- Segment 2 - New Build
- Segment 3 - Reconductor

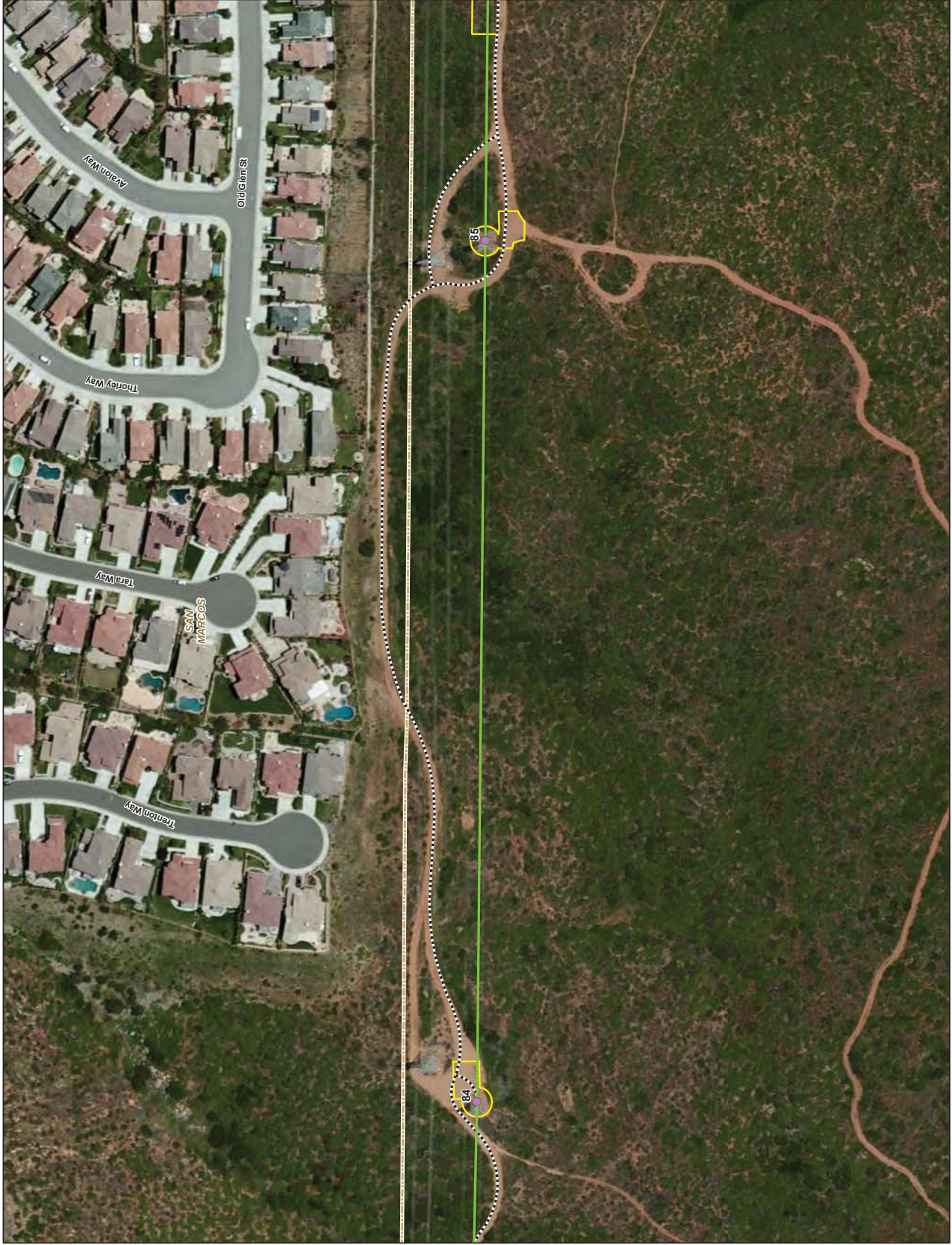
Project Features

- Existing Access Road
- New Access Road
- Distribution Trench
- Stringing Site
- Permanent Work Area or Grading Impacts
- Temporary Work Area or Grading Impacts
- Staging Yard

General Features

- Interstate
- State Highway
- Railroad
- Existing Substation
- City Boundary
- County Boundary

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to Escondido
Appendix 3-A
Power Line
Route Mapbook

Legend

Project Structures

●

 Replace existing with pier foundation

●

 New pier foundation

●

 Replace existing with direct bury

●

 New direct bury

●

 Overhead Work

●

 Overhead work / anchor work

○

 Existing structure re-energize conductors

●

 No work / information only

●

 Remove From Service

■

 Rack

■

 Guard Structures

Project Alignment

—

 Segment 1 - Rebuild

—

 Segment 2 - New Build

—

 Segment 3 - Reconnector

Project Features

.....

 Existing Access Road

.....

 New Access Road

.....

 Distribution Trench

.....

 Stringing Site

.....

 Permanent Work Area or Grading Impacts

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 Temporary Work Area or Grading Impacts

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 Staging Yard

General Features

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 Interstate

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 State Highway

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 Railroad

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 Existing Substation

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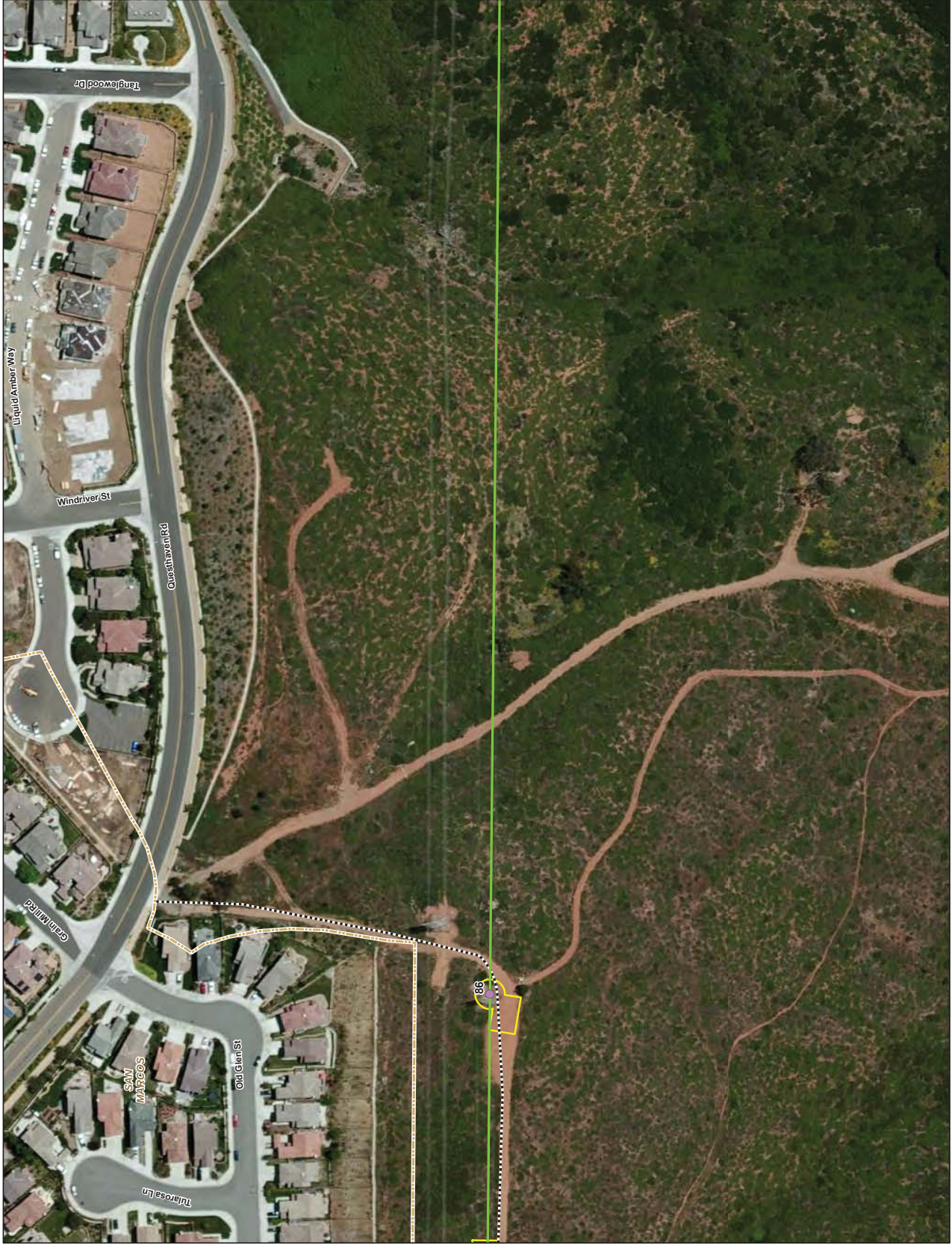
 City Boundary

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 County Boundary

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TL6975 San Marcos
to Escondido
Appendix 3-A
Power Line
Route Mapbook

Legend

Project Structures

●

 Replace existing with pier foundation

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 New pier foundation

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 Replace existing with direct bury

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 New direct bury

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 Overhead Work

●

 Overhead work / anchor work

○

 Existing structure re-energize conductors

●

 No work / information only

●

 Remove From Service

■

 Rack

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 Guard Structures

Project Alignment

—

 Segment 1 - Rebuild

—

 Segment 2 - New Build

—

 Segment 3 - Reconductor

Project Features

.....

 Existing Access Road

.....

 New Access Road

.....

 Distribution Trench

.....

 Stringing Site

.....

 Permanent Work Area or Grading Impacts

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 Temporary Work Area or Grading Impacts

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 Staging Yard

General Features

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 Interstate

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 State Highway

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 Railroad

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 Existing Substation

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 City Boundary

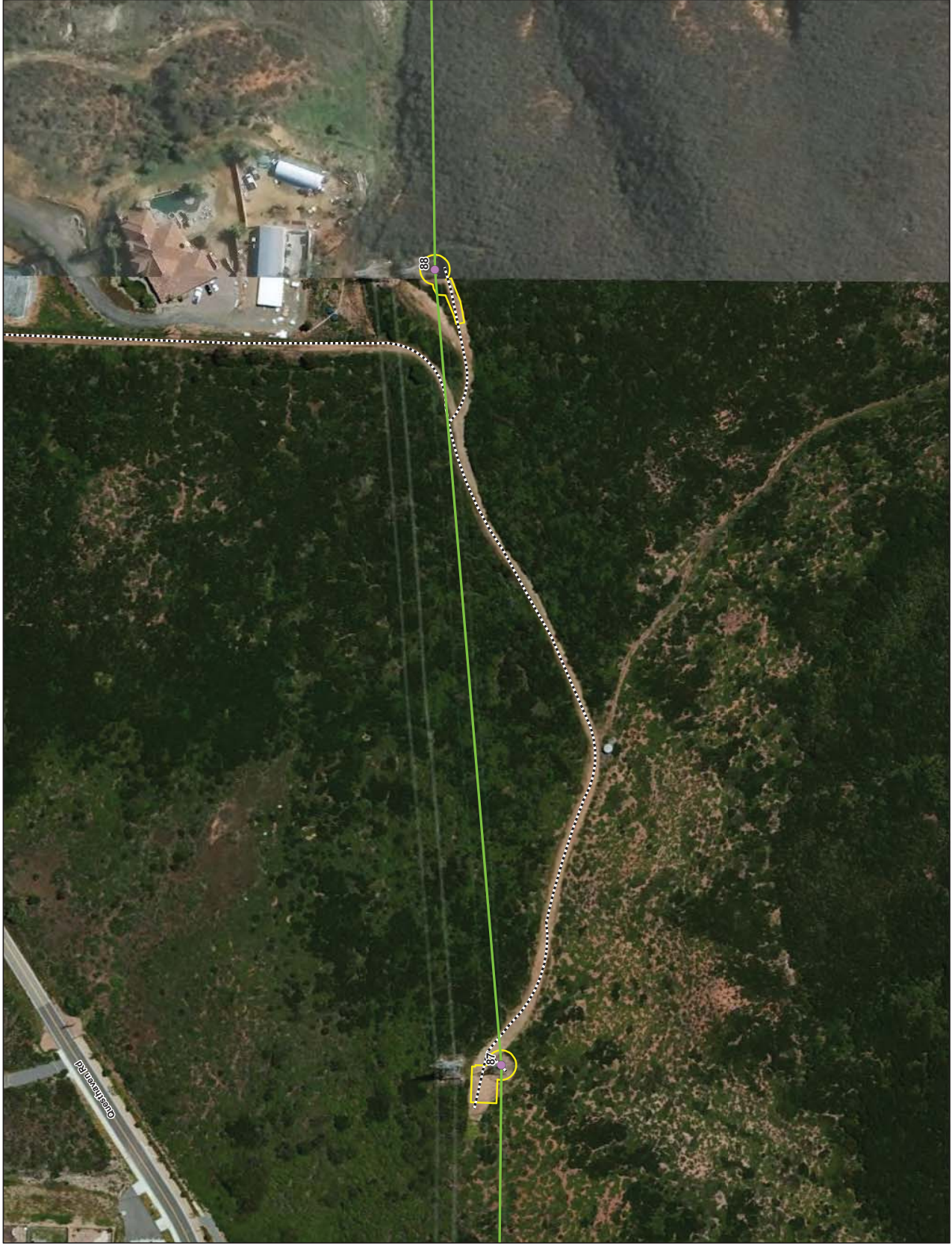
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 County Boundary

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Feet

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Legend

Project Structures

- Replace existing with pier foundation
- New pier foundation
- Replace existing with direct bury
- New direct bury
- Overhead Work
- Overhead work / anchor work
- Existing structure re-energize conductors
- No work / information only
- Remove From Service
- Rack
- Guard Structures

Project Alignment

- Segment 1 - Rebuild
- Segment 2 - New Build
- Segment 3 - Reconnector

Project Features

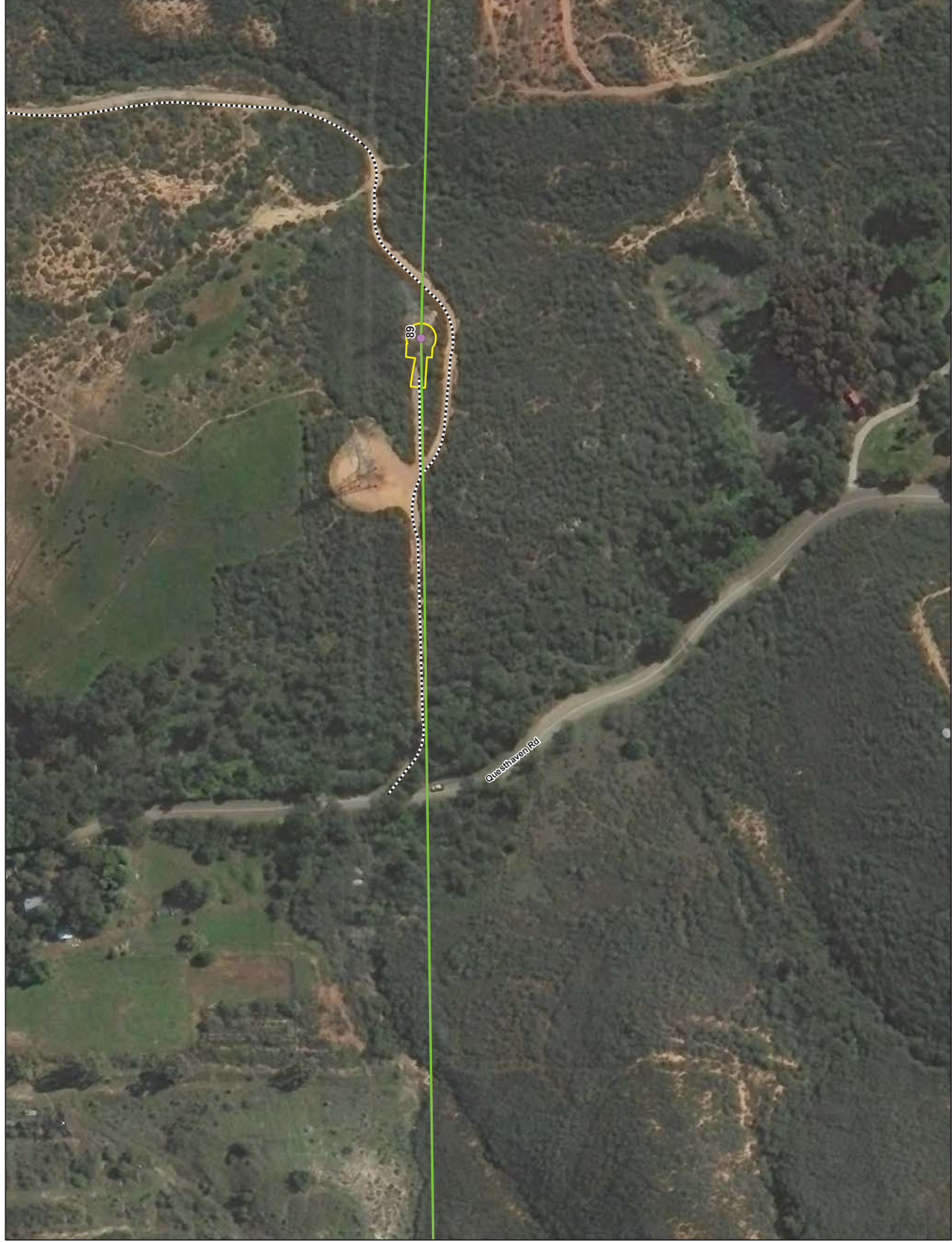
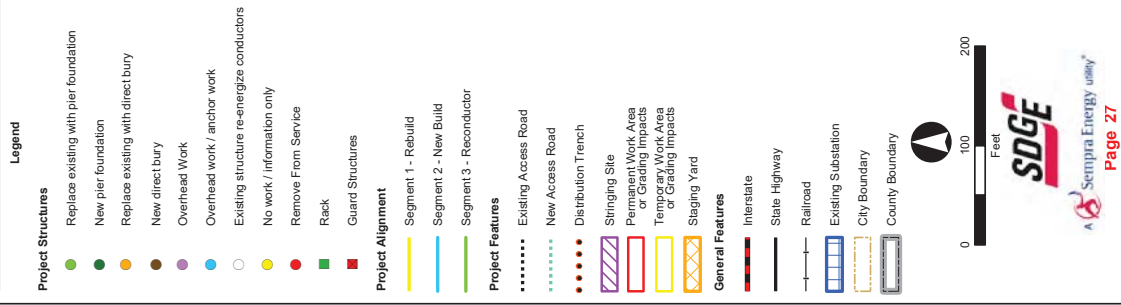
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- New Access Road
- Distribution Trench
- Stringing Site
- Permanent Work Area or Grading Impacts
- Temporary Work Area or Grading Impacts
- Staging Yard

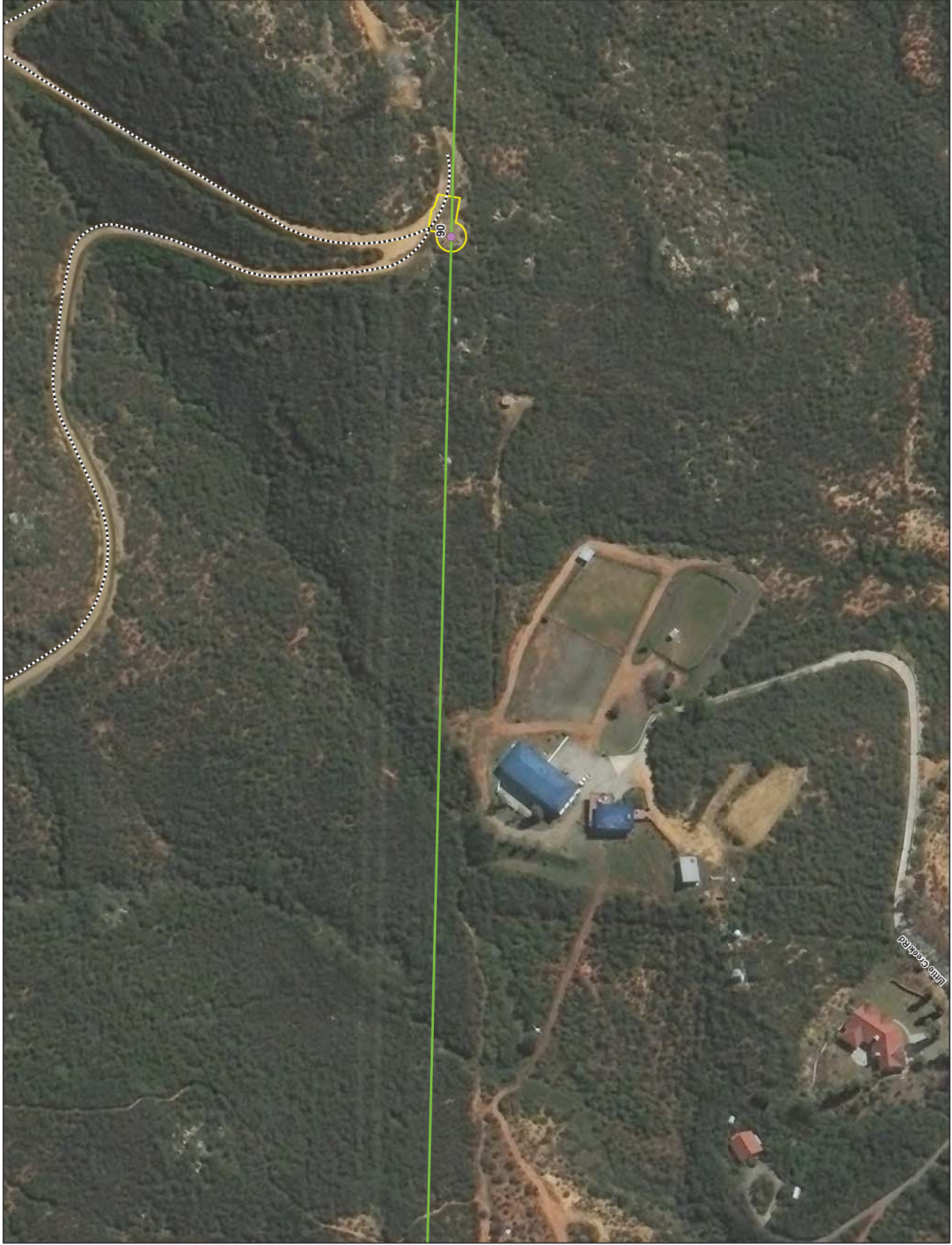
General Features

- Interstate
- State Highway
- Railroad
- Existing Substation
- City Boundary
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Project Alignment

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- Segment 3 - Reconnector

Project Features

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- New Access Road
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- Stringing Site
- Permanent Work Area or Grading Impacts
- Temporary Work Area or Grading Impacts
- Staging Yard

General Features

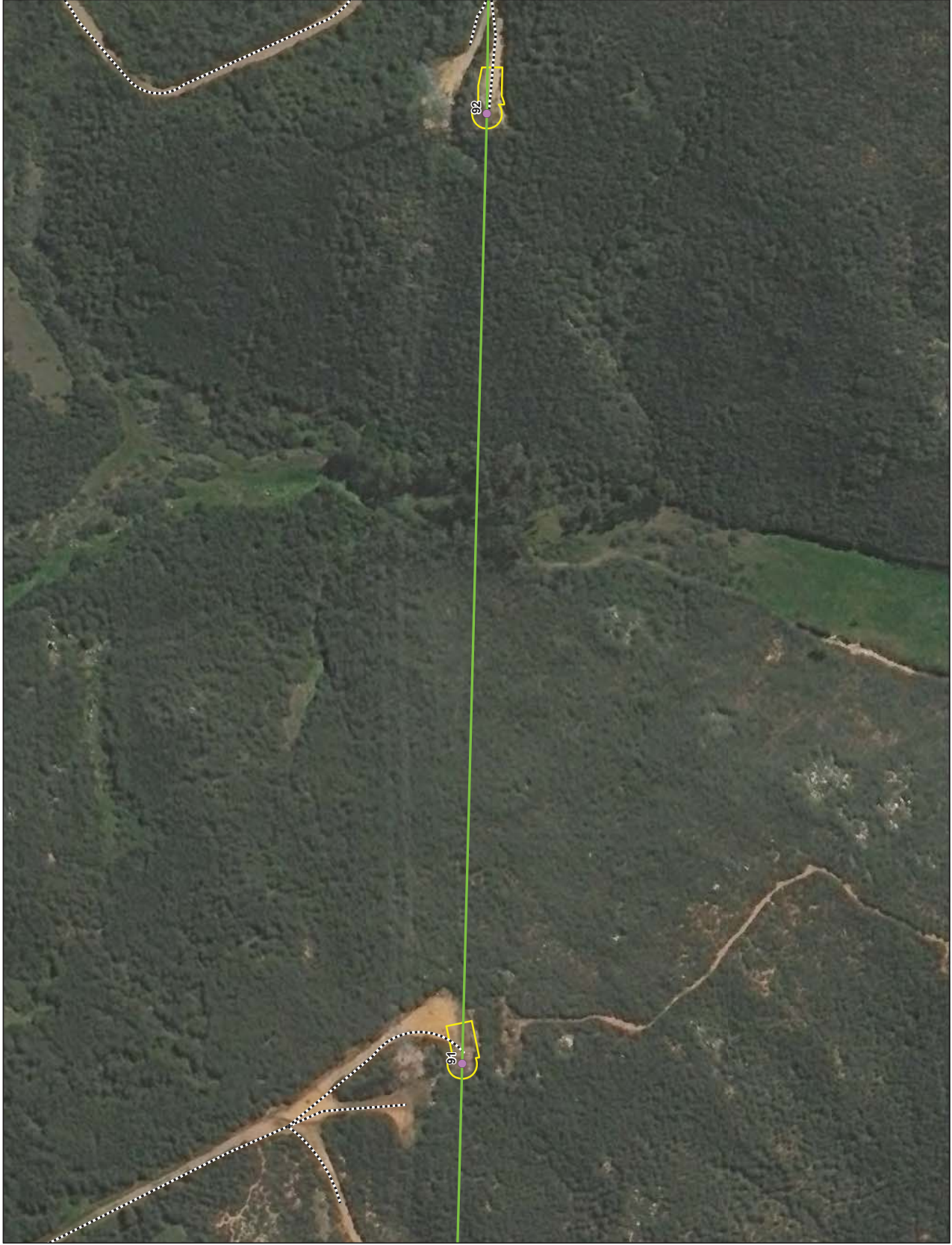
- Interstate
- State Highway
- Railroad
- Existing Substation
- City Boundary
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Project Alignment

- Segment 1 - Rebuild
- Segment 2 - New Build
- Segment 3 - Re-conductor

Project Features

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- New Access Road
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- Temporary Work Area or Grading Impacts
- Staging Yard

General Features

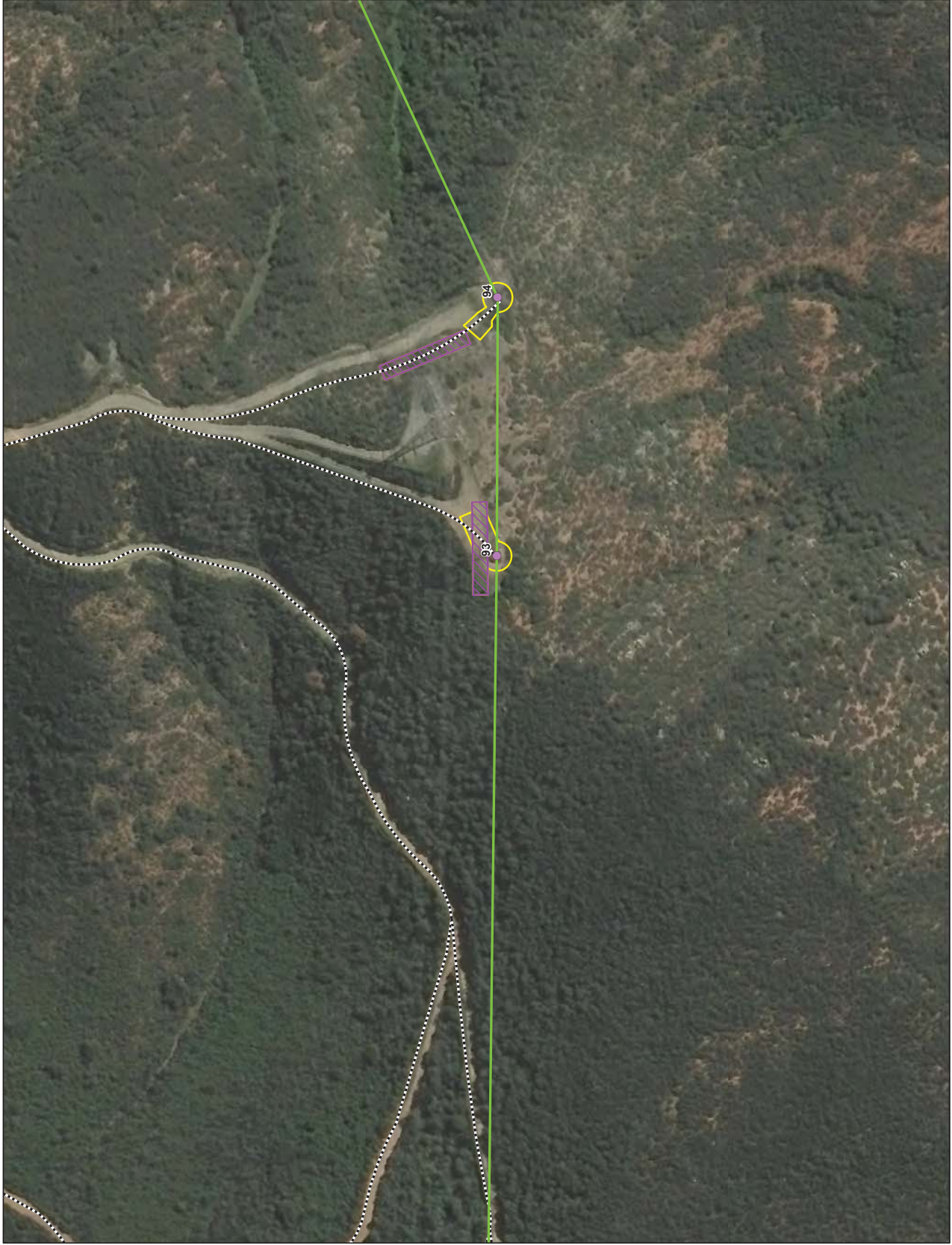
- Interstate
- State Highway
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- Existing Substation
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 Replace existing with pier foundation

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 Replace existing with direct bury

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 Guard Structures

Project Alignment

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 Segment 1 - Rebuild

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 Segment 2 - New Build

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 Segment 3 - Reconnector

Project Features

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 Existing Access Road

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 Stringing Site

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 Permanent Work Area or Grading Impacts

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 Temporary Work Area or Grading Impacts

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 Staging Yard

General Features

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 City Boundary

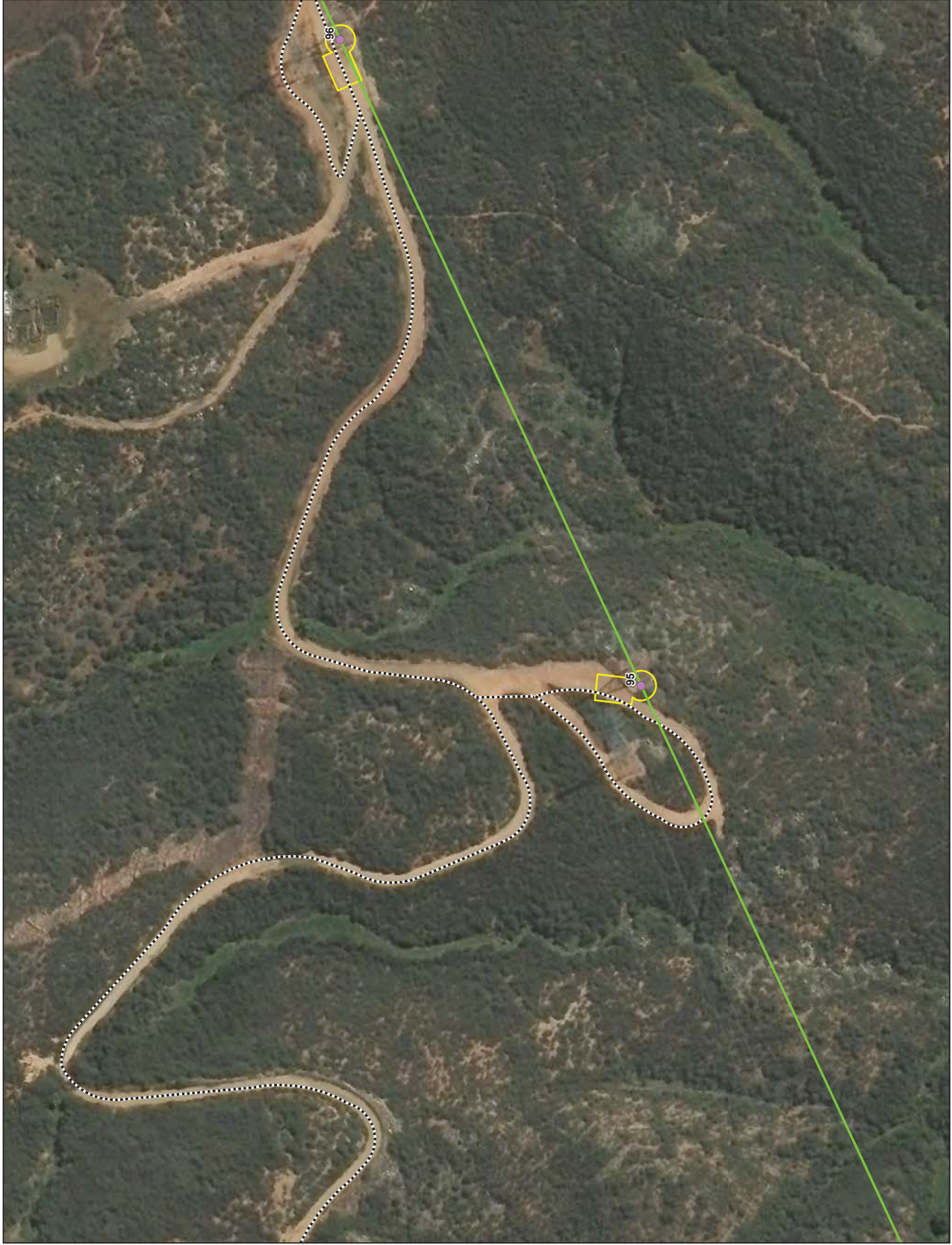
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 County Boundary

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 Replace existing with pier foundation

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 Guard Structures

Project Alignment

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 Segment 1 - Rebuild

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Project Features

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 Existing Access Road

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 Staging Yard

General Features

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 Remove From Service

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 Guard Structures

Project Alignment

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 Segment 1 - Rebuild

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 Segment 2 - New Build

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 Segment 3 - Reconnector

Project Features

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 New Access Road

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 Stringing Site

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 Permanent Work Area or Grading Impacts

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 Staging Yard

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 Replace existing with pier foundation

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 New pier foundation

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 Guard Structures

Project Alignment

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Project Features

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 Staging Yard

General Features

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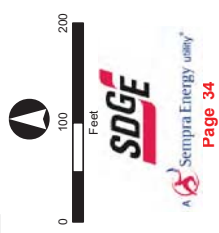
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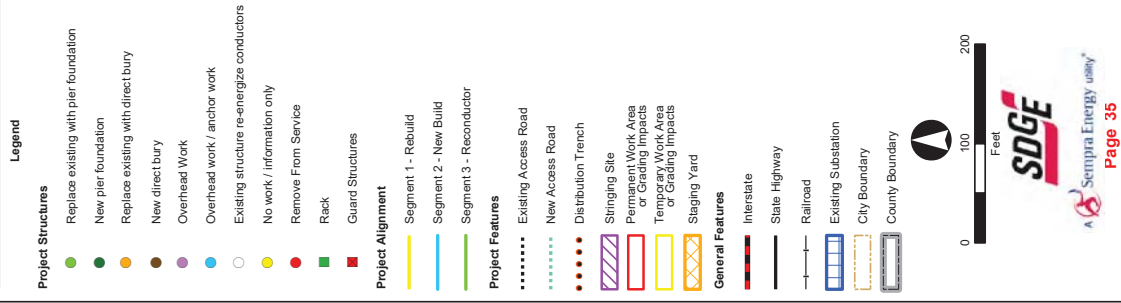
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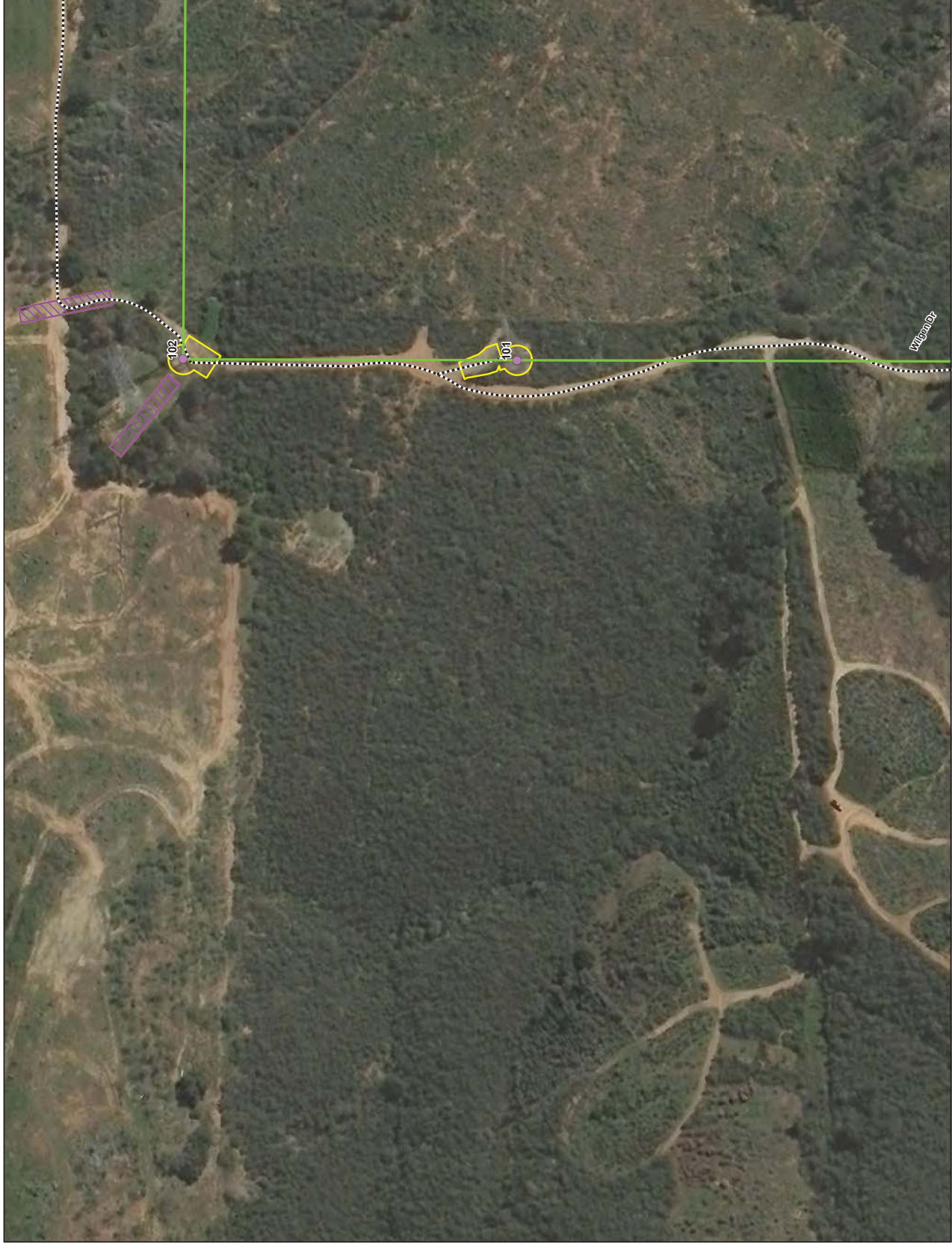
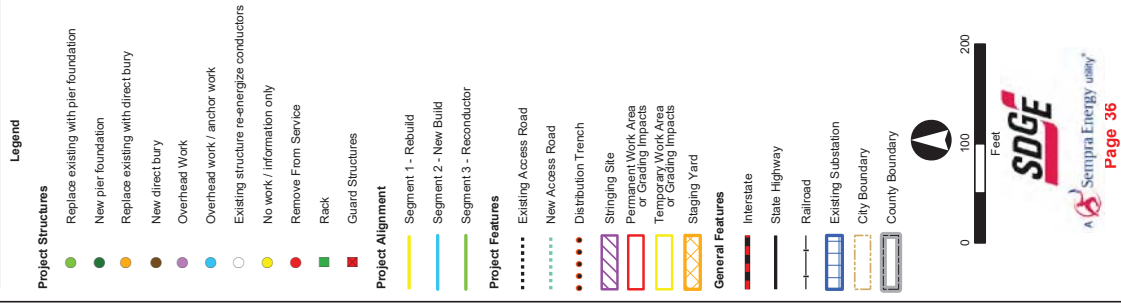
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 - Temporary Work Area or Grading Impacts
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- General Features**
- Interstate
 - State Highway
 - Railroad
 - Existing Substation
 - City Boundary
 - County Boundary

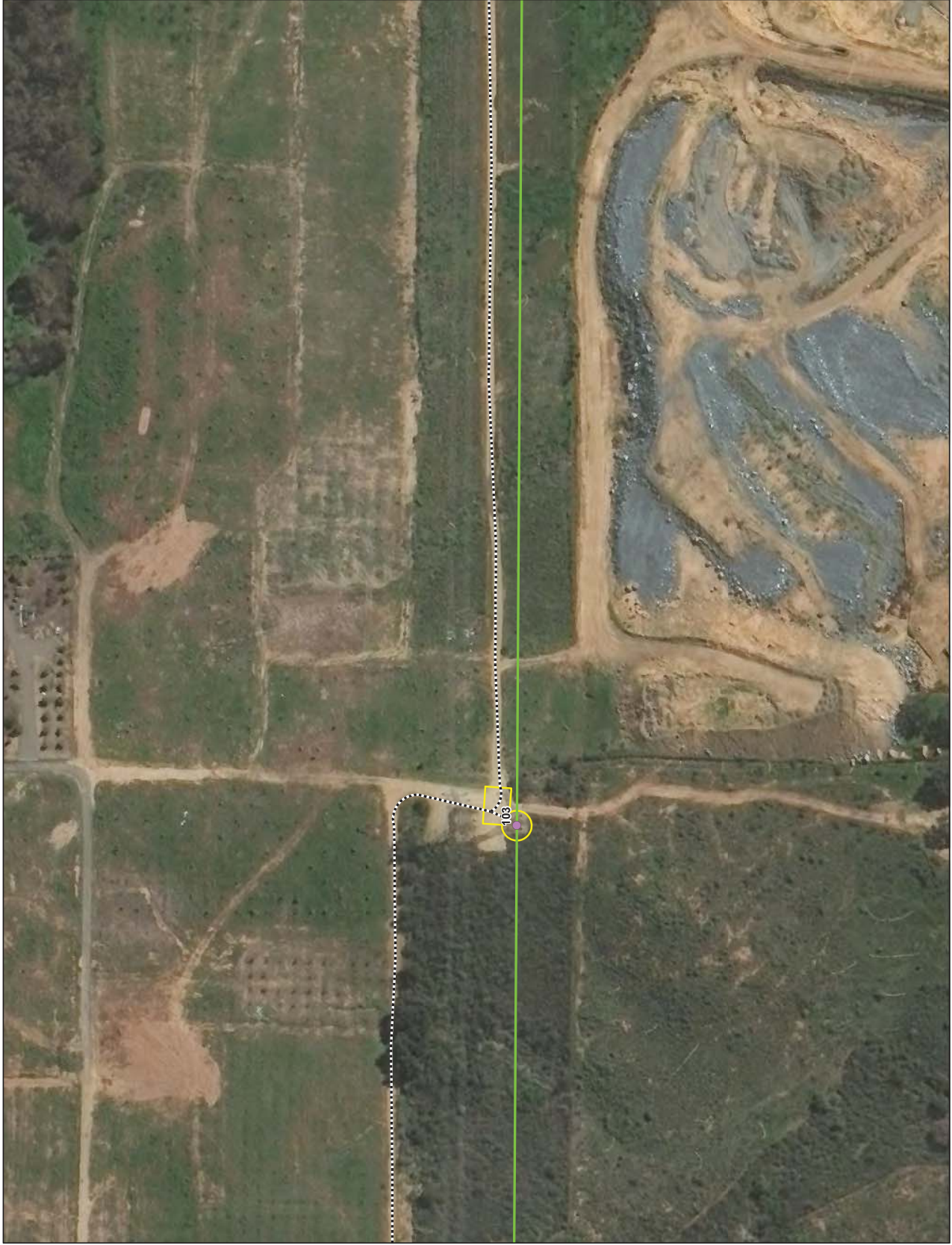


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 Overhead work / anchor work

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 Guard Structures

Project Alignment

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 Segment 1 - Rebuild

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 Segment 3 - Reconductor

Project Features

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 Existing Access Road

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 Staging Yard

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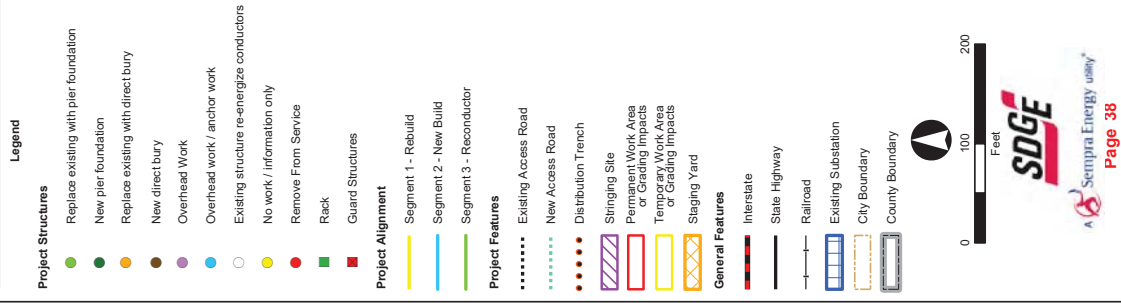
 County Boundary

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- Staging Yard

General Features

- Interstate
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Scale

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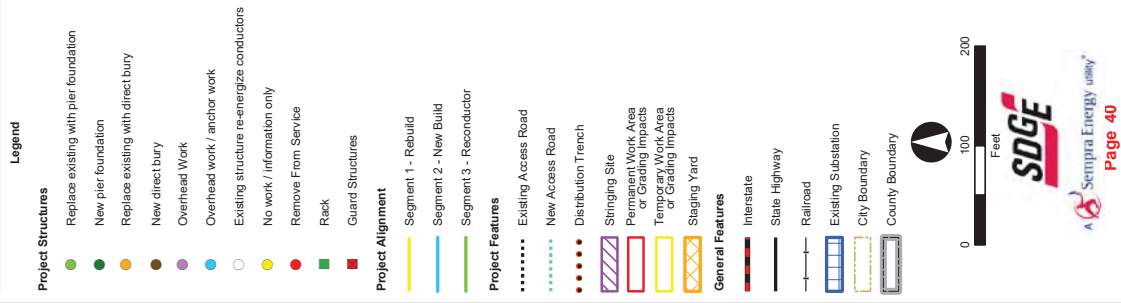
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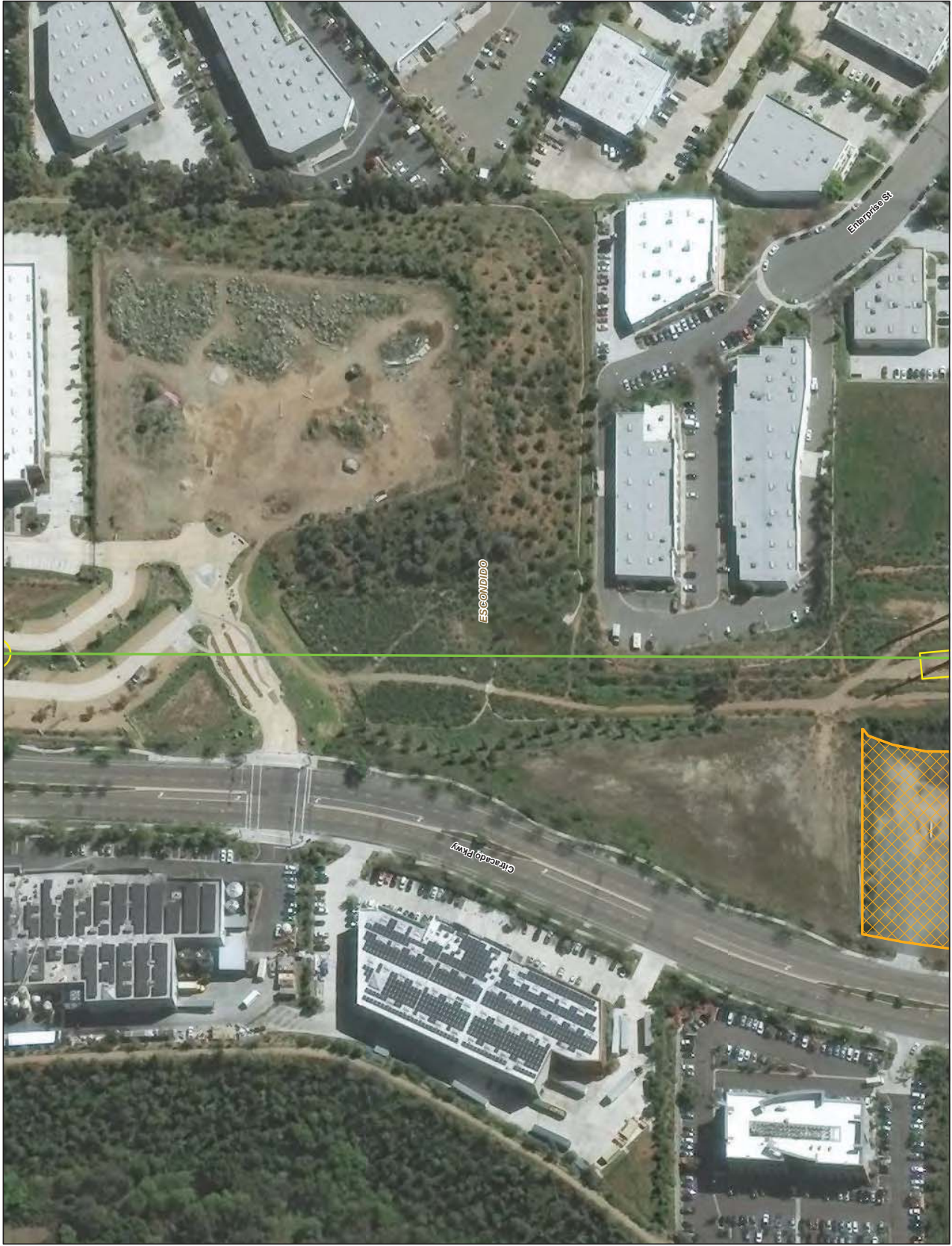
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Project Alignment

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 Staging Yard

General Features

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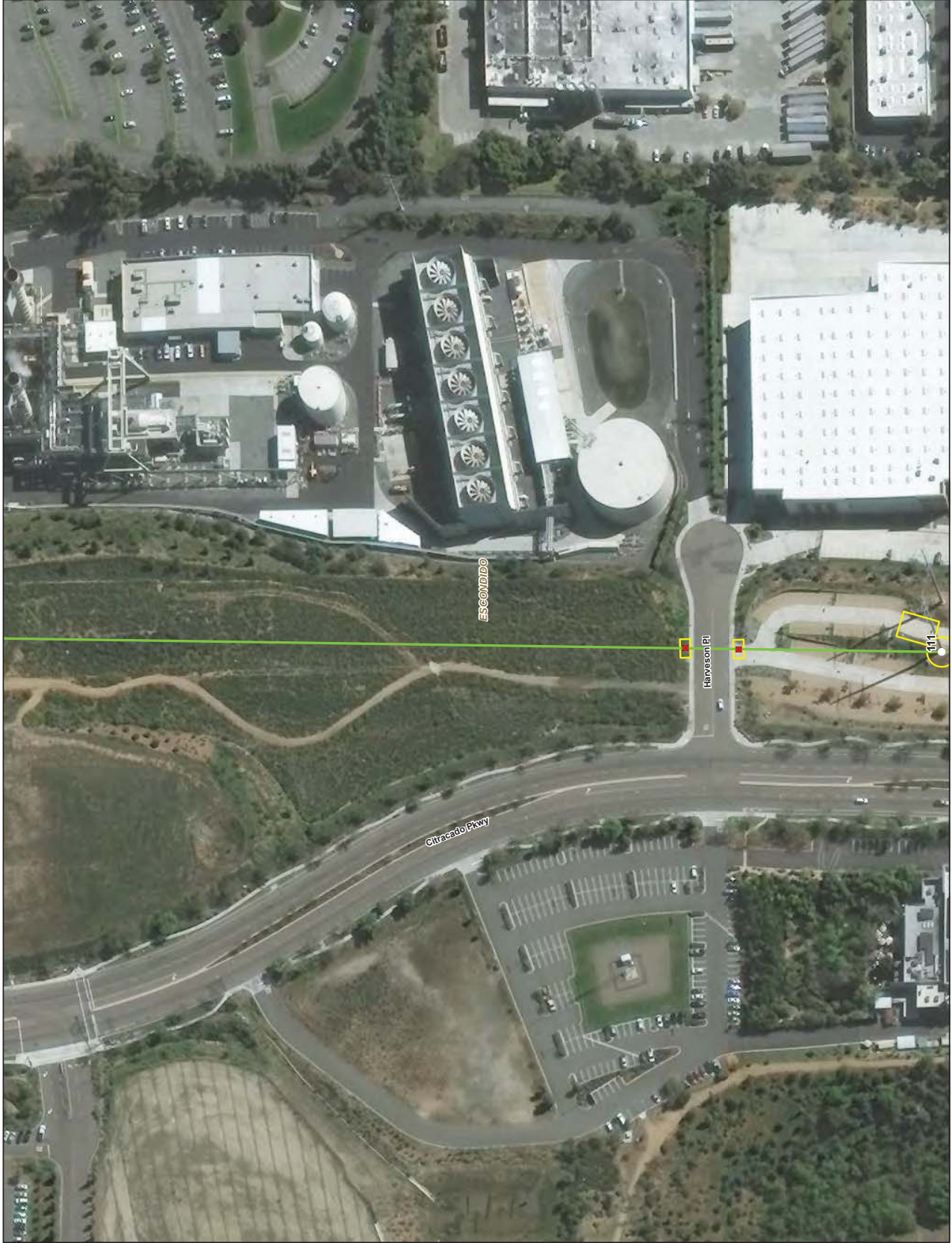
 City Boundary

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 County Boundary

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 Remove From Service

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 Guard Structures

Project Alignment

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 Staging Yard

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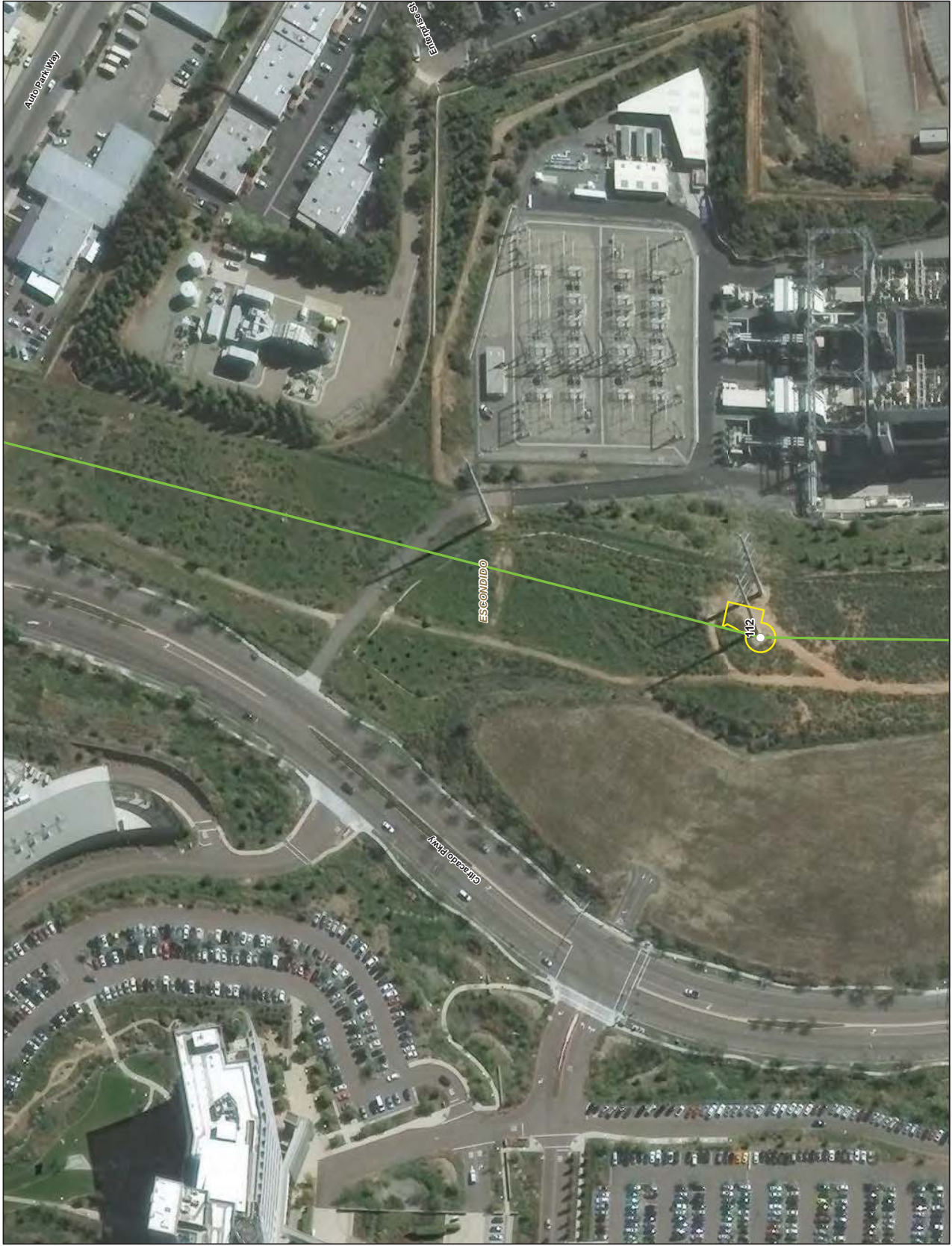
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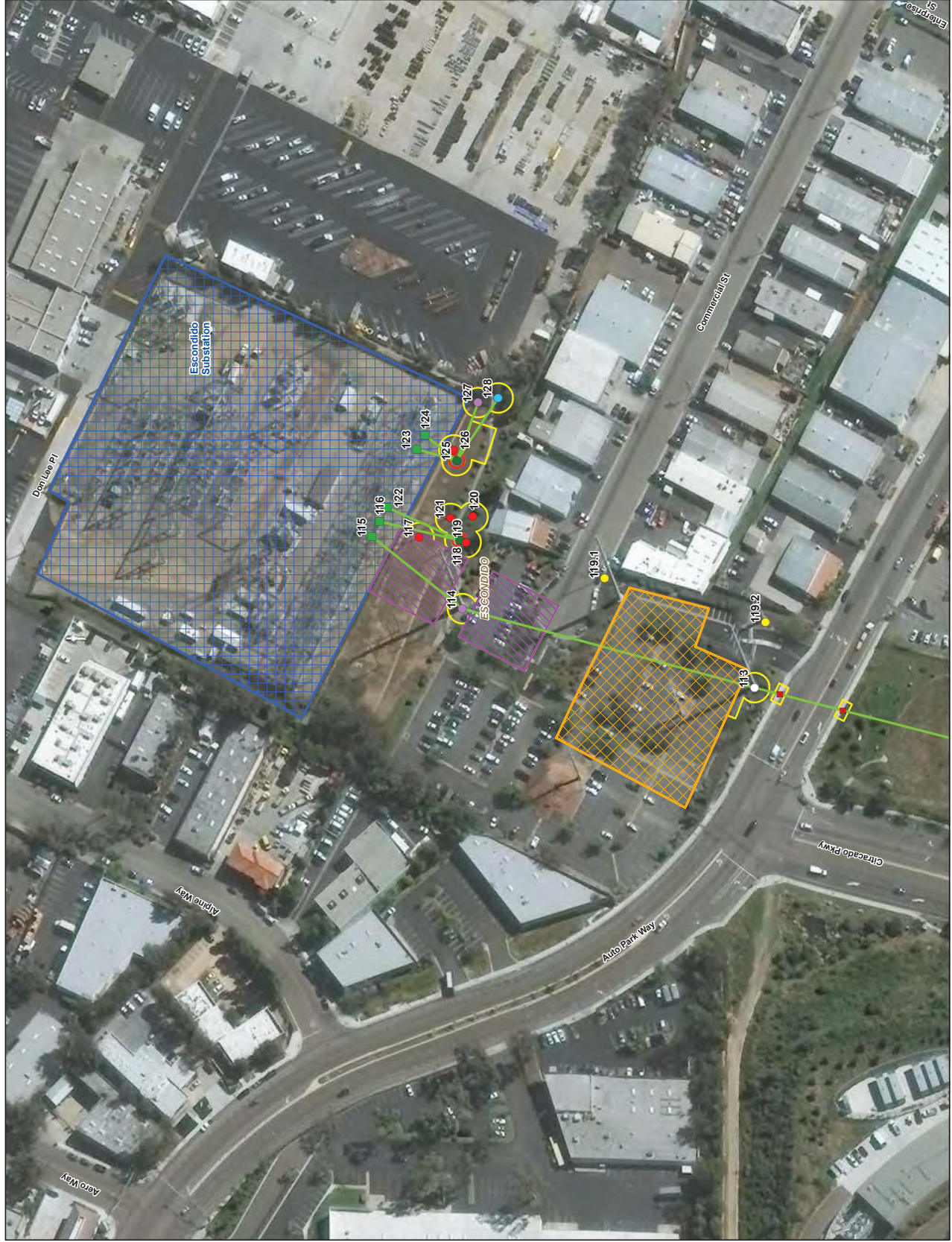
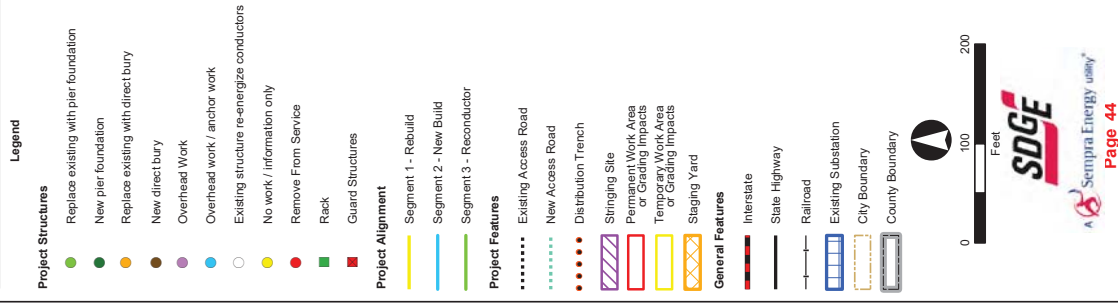
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 County Boundary

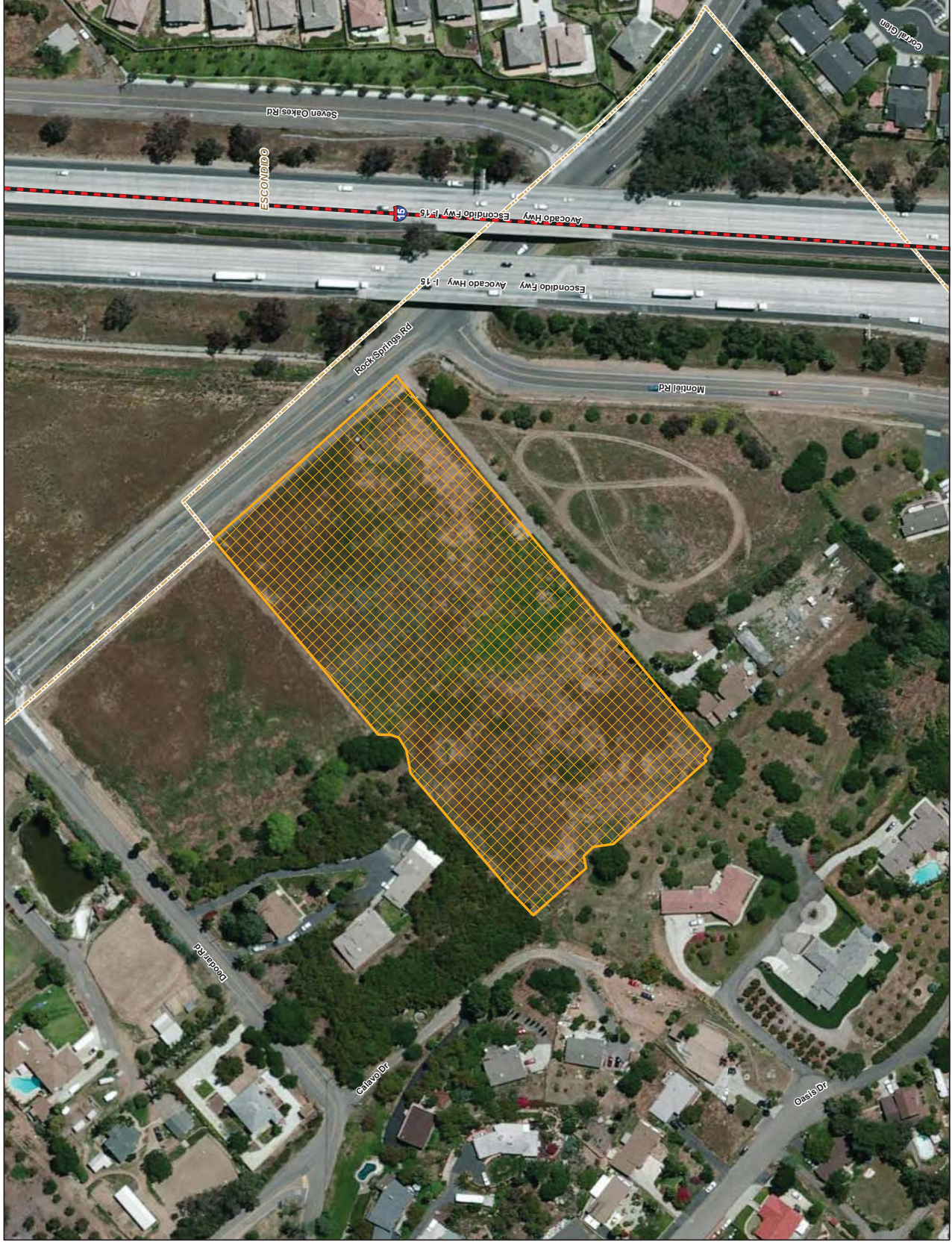
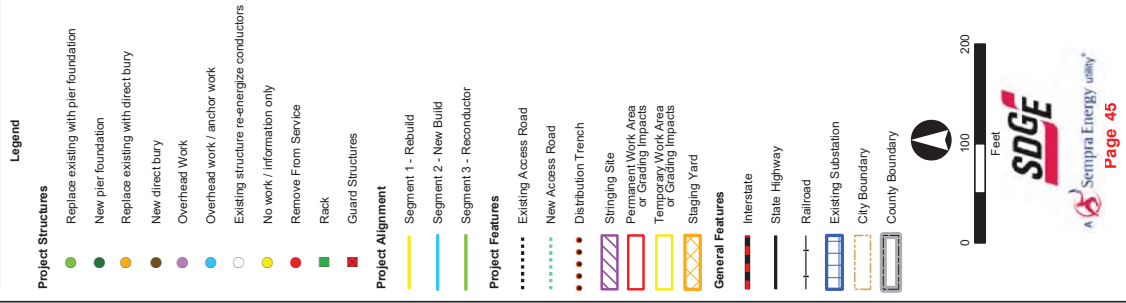
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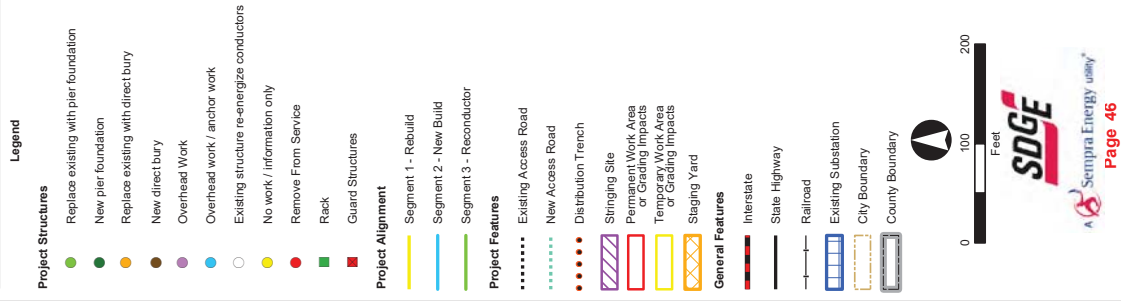
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APPENDIX 3-B: TL 6975 STRUCTURE DETAIL TABLE

Table 3.5-1: Structure Detail Table

Site Location/ Structure Number	Proposed Action (s)	Approximate Aboveground Structure Height(s) in Feet	Pole Details
Segment 1 Rebuild			
Z100991	Direct Bury - Replace Existing Pole with new Steel Pole	57	3' n/o existing, transfer wires ahead, install 3-363ACSR/AW back
Z100992	Direct Bury - Replace Existing Pole with new Steel Pole	79	New DB pole
Z100993	Direct Bury - Replace Existing Pole with new Steel Pole	75	New DB pole, replace span guys north and anchor guys west
Z114430	Direct Bury - Replace Existing Pole with new Steel Pole	97	New DB pole
Z114431	Direct Bury - Replace Existing Pole with new Steel Pole	83.5	New DB pole
Z114441	Direct Bury - Replace Existing Pole with new Steel Pole	79	New DB pole
Z114442	Direct Bury - Replace Existing Pole with new Steel Pole	79	NA
Z114443	Direct Bury - Replace Existing Pole with new Steel Pole	79	NA
Z114444	Direct Bury - Replace Existing Pole with new Steel Pole	79	NA
Z114445	Direct Bury - Replace Existing Pole with new Steel Pole	79	NA
Z114446	Direct Bury - Replace Existing Pole with new Steel Pole	79	NA
Z114447	Direct Bury - Replace Existing Pole with new Steel Pole	74.5	NA
Z114448	Direct Bury - Replace Existing Pole with new Steel Pole	90	NA
Z114449	Direct Bury - Replace Existing Pole with new Steel Pole	83.5	NA
Z114450	Direct Bury - Replace Existing Pole with new Steel Pole	74.5	NA
Z114451	Direct Bury - Replace Existing Pole with new Steel Pole	74.5	NA
Z114452	Direct Bury - Replace Existing Pole with new Steel Pole	74.5	NA
Z114453	Direct Bury - Replace Existing Pole with new Steel Pole	74.5	NA
Z114454	Direct Bury - Replace Existing Pole with new Steel Pole	74.5	NA
Z815638	Direct Bury - Replace Existing Pole with new Steel Pole	79	NA
Z815639	Direct Bury - Replace Existing Pole with new Steel Pole	79	NA
Z815640	Direct Bury - Replace Existing Pole with new Steel Pole	79	NA
Z815641	Direct Bury - Replace Existing Pole with new Steel Pole	79	NA
Z815642	Direct Bury - Replace Existing Pole with new Steel Pole	79	NA
Z815643	Direct Bury - Replace Existing Pole with new Steel Pole	79	NA
Z815644	Direct Bury - Replace Existing Pole with new Steel Pole	88	NA
P208012	Overhead Work	20.5	Existing to remain
P253959	Overhead Work	29.5	Existing to remain
P411875	No Work	NA	NA
Z114457	No Work	NA	NA
P205611	Direct Bury - Replace Existing Pole with new Steel Pole	43	NA
P819121	Overhead Work	43	NA
Z417237	No Work	57	NA
Z10567	Pier Foundation - Replace Existing Pole with new Steel Pole	95	New FDN steel pole
Z114429	Pier Foundation - Replace Existing Pole with new Steel Pole	85	New FDN steel pole
Z114455	Pier Foundation - Replace Existing Pole with new Steel Pole	79.9	New FDN steel pole
Z114456	Pier Foundation - Replace Existing Pole with new Steel Pole	79.9	New FDN steel pole
Z519522	Pier Foundation - Replace Existing Pole with new Steel Pole	70	New FDN steel pole
Z815645	Pier Foundation - Replace Existing Pole with new Steel Pole	99	New FDN steel pole
Z815952	Pier Foundation - Replace Existing Pole with new Steel Pole	90	New FDN steel pole
Z815955	Pier Foundation - Replace Existing Pole with new Steel Pole	90	New FDN steel pole
Z815956	Pier Foundation - Replace Existing Pole with new Steel Pole	95	New FDN steel pole
Z817834	Pier Foundation - Replace Existing Pole with new Steel Pole	90	New FDN steel pole
COMM	Possible Work	NA	NA
P208011	Overhead Work	NA	NA
P227423J	Remove From Service	NA	NA
P114440	Remove From Service	29.5	NA
P205612	Remove From Service	NA	NA
P208009	Remove From Service	NA	NA
P208010	Remove From Service	NA	NA
P208014	Remove From Service	NA	NA
P208015	Remove From Service	NA	NA
STUB TO Z817834	Pier Foundation - Replace Existing Pole with new Steel Pole	NA	NA
Z208013	Overhead Work	NA	NA
Segment 2 New Build			
Z100271	Direct Bury - Replace Existing Pole with new Steel Pole	65	New FDN steel pole
Z100274	Direct Bury - Replace Existing Pole with new Steel Pole	85	New FDN steel pole
Z100280	Direct Bury - Replace Existing Pole with new Steel Pole	85	New FDN steel pole
Z100282	Pier Foundation - Replace Existing Pole with new Steel Pole	85	New FDN steel pole
Z100279	Direct Bury - Replace Existing Pole with new Steel Pole	90	New FDN steel pole
Z100281	Direct Bury - Replace Existing Pole with new Steel Pole	90	New FDN steel pole
Pfiber(future)	No Work	NA	NA
Z119771	No Work	85	Existing FDN steel pole, no work
Z718348	No Work	170	Existing FDN steel pole, no work
Z100270	Pier Foundation - Install 69kV Steel Pole, Install 3-636 ACSS/AW	85	New FDN steel pole
Z100283	Pier Foundation - Install 69kV Steel Pole, Install 3-636 ACSS/AW	85	New FDN steel pole - galv.
Z100275	Pier Foundation - Install 69kV Steel Pole, Install 3-636 ACSS/AW	90	New FDN steel pole
Z100276	Pier Foundation - Install 69kV Steel Pole, Install 3-636 ACSS/AW	90	New FDN steel pole
Z100269	Pier Foundation - Install 69kV Steel Pole, Install 3-636 ACSS/AW	95	New FDN steel pole
Z100268	Pier Foundation - Install 69kV Steel Pole, Install 3-636 ACSS/AW	100	New FDN steel pole
Z100272	Pier Foundation - Install 69kV Steel Pole, Install 3-636 ACSS/AW	100	New FDN steel pole
Z100278	Pier Foundation - Install 69kV Steel Pole, Install 3-636 ACSS/AW	100	New FDN steel pole
Z100277	Pier Foundation - Install 69kV Steel Pole, Install 3-636 ACSS/AW	120	New FDN steel pole
Z100273	Pier Foundation - Install 69kV Steel Pole, Install 3-636 ACSS/AW	125	New FDN steel pole

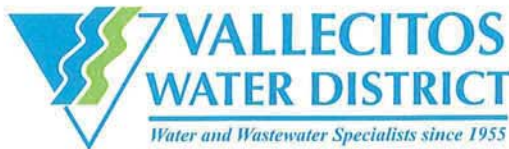
P208007	Remove From Service	NA	NA
P208008	Remove From Service	NA	NA
Segment 3 Reconductoring/Re-energizing			
P168851	Anchor Work	52	Existing wood pole- class 1 - no work
Z718524	Anchor Work - Relocate & replace guys & anchor	75	Existing wood pole
P254289	Direct Bury - Replace Existing Pole with new Steel Pole	34	New 12kV DBSW pole - galv. Dull
Z202016	Existing structure / re-energize conductors	52	no work
Z202019	Existing structure / re-energize conductors	150	No work - FDN steel pole
Z202018	Existing structure / re-energize conductors	155	No work - FDN steel pole
Z202020	Existing structure / re-energize conductors	160	No work - FDN steel pole
Z202017	Existing structure re-energize conductors	NA	NA
Z101771	No Work	60	NA
Z204453	No Work	66	wood pole
Z718523	Overhead Work	79	wood pole
P203597	No Work	85	wood pole
Z198359	No Work	87	wood pole
Z710001	No Work	142	Tower
Z710002	No Work	NA	NA
Z119773	Overhead Work - Install 3-363 ACSS/AW (TL6975) and 3-363 ACSS/AW (TL13811)	60	Pole top work only - FDN steel pole
Z414929	Overhead Work -Install 3-636 ACSS/AW-TL6975	78	Pole top work only-TL6975 - tower
P249982	No Work	79	Reference only - 85-H5 DBSW- H-frame
Z119772	Overhead Work - Install 3-636 ACSS/AW (TL13811), re-install jumper	81	Pole top work only - FDN steel pole
Z414911	Overhead Work - Install 3-636 ACSS/AW-TL6975	83	69KV pole top work only - tower
Z414918	Overhead Work - Install 3-636 ACSS/AW-TL6975	83	Pole top work only-TL6975 - tower
Z414930	Overhead Work - Install 3-636 ACSS/AW-TL6975	83	Pole top work only-TL6975 - tower
Z250083	Overhead Work - Install 3-636 ACSS/AW-TL6975	84	Pole top work only-TL6975 - 85-H5 SW-H-frame
Z414914	Overhead Work - Install 3-636 ACSS/AW-TL6975	87	Pole top work only-TL6975 - tower
Z414912	Overhead Work - Install 3-636 ACSS/AW-TL6975	88	Pole top work only-TL6975 - tower
Z414920	Overhead Work - Install 3-636 ACSS/AW-TL6975	88	Pole top work only-TL6975 - tower
Z414928	Overhead Work - Install 3-636 ACSS/AW-TL6975	89	Pole top work only-TL6975 - tower
Z414915	Overhead Work - Install 3-636 ACSS/AW-TL6975	92	Pole top work only-TL6975 - tower
Z414908	Overhead Work - Install 3-636 ACSS/AW-TL6975	93	Pole top work only-TL6975 - tower
Z414913	Overhead Work - Install 3-636 ACSS/AW-TL6975	93	Pole top work only-TL6975 - tower
Z414917	Overhead Work - Install 3-636 ACSS/AW-TL6975	93	Pole top work only-TL6975 - tower
Z414921	Overhead Work - Install 3-636 ACSS/AW-TL6975	94	Pole top work only-TL6975 - tower
Z414934	Overhead Work - Install 3-636 ACSS/AW-BACK, existing 3-900 ACSS/AW-AH, re-energized as TL6975	94	Pole top work only-TL6975 - tower
Z414931	Overhead Work - Install 3-636 ACSS/AW-TL6975	98	Pole top work only-TL6975 - tower
Z414933	Overhead Work - Install 3-636 ACSS/AW-TL6975	98	Pole top work only-TL6975 - tower
Z414925	Overhead Work - Install 3-636 ACSS/AW-TL6975	104	Pole top work only-TL6975 - tower
Z414906	Overhead Work - Install 3-636 ACSS/AW - TL6975-N, install 3-636 ACSS/AW - TL13811-S	108	Pole top work only-TL6975 - tower
Z414923	Overhead Work - Install 3-636 ACSS/AW-TL6975	108	Pole top work only-TL6975 - tower
Z414922	Overhead Work - Install 3-636 ACSS/AW-TL6975	113	Pole top work only-TL6975 - tower
Z414927	Overhead Work - Install 3-636 ACSS/AW-TL6975	113	Pole top work only-TL6975 - tower
Z414916	Overhead Work - Install 3-636 ACSS/AW-TL6975	117	Pole top work only-TL6975 - tower
Z414907	Overhead Work - Install 3-636 ACSS/AW-TL6975	118	Pole top work only-TL6975 - tower
Z414909	Overhead Work - Install 3-636 ACSS/AW-TL6975	118	Pole top work only-TL6975 - tower
Z414919	Overhead Work - Install 3-636 ACSS/AW-TL6975	118	Pole top work only-TL6975 - tower
Z414924	Overhead Work - Install 3-636 ACSS/AW-TL6975	118	Pole top work only-TL6975 - tower
Z414926	Overhead Work - Install 3-636 ACSS/AW-TL6975	118	Pole top work only-TL6975 - tower
Z202116	Overhead Work - Install 3-900 ACSS/AW, re-energized as TL6975	150	Pole top work only - FDN steel pole
Z414910	Overhead Work	NA	NA
Z414932	Overhead Work	NA	NA
Z257431	Pier Foundation - Install 3-900 ACSS/AW-TL689, install 3-636 ACSR/AW-TL6934, and install 69kV steel pole	70	New DC FDN steel pole
Z257432	Pier Foundation - Install 3-900 ACSS/AW-TL689, install 3-636 ACSR/AW-TL6934, and install 69kV steel pole	70	New DC FDN steel pole
P254291	Pier Foundation - Replace existing pole with 12kV steel pole	35	New FDN steel pole
Z100284	Pier Foundation -replace existing pole with 138kV DC steel pole, install 3-636 ACSS/AW - TL6975-N, install 3-636 ACSS/AW - TL13811-S	75	New FDN steel pole - galv.
Z200897	Overhead Work	75	Existing wood pole
Z184825	Remove From Service	60	Remove - wood
Z618839	Remove From Service	73	Remove - wood
P181373	Remove From Service	NA	NA
Z248572S	Remove From Service	NA	NA
P249868	Remove From Service	NA	NA
Z101768	Remove From Service	NA	NA
Z101769	Remove From Service	NA	NA
Z362570	Remove From Service	NA	NA
Z618840	Remove From Service	NA	NA

Note: Table contents are based upon preliminary engineering and are subject to change. Data from SDG&E.

APPENDIX 3-C: TYPICAL STRUCTURE DIAGRAMS

[illegible]

APPENDIX 3-D: AGENCY CORRESPONDENCE



201 Vallecitos de Oro • San Marcos, California • 92069-1453

Telephone (760) 744-0460

October 19, 2017

Mr. Willie Gaters
San Diego Gas and Electric
8315 Century Park Ct., cp21e
San Diego, CA 92123

Subject: SDG&E Job TL 6975 – Harmony Grove

Dear Mr. Gaters:

This letter will confirm water availability for the above-referenced project. The project is partial located within the Vallecitos Water District water service area. District water facilities are available in the vicinity for this project's use (based on the following attachments provided by SDG&E).

At this time, the District is able to provide potable water for this construction project through existing fire hydrants in the area. Exact fire hydrant locations have not been field verified for the issuance of this letter. At a later date, the District will provide a map indicating approximate locations of fire hydrants along the project work site.

Construction water connections are to use construction meters installed by the District on District fire hydrants. All connections are governed by District ordinances and regulations concerning connections, deposits and commodity charges. For more information, please contact Vallecitos Water District Engineering Department at (760-744-0460).

The Vallecitos Water District relies one hundred percent on imported water supplies, water may not be available at the time the project is built. Commitments to provide service are made by the District Board of Directors and are subject to compliance with District fees, charges, rules, regulations and ordinances.

Sincerely,

Ingrid Stichter
Engineering Technician II

Cc: Robert Scholl, Senior Development Services Engineer

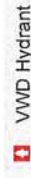
Hydrant ID	Max Water Usage (gal/day)	Factor of Safety	Max Water Usage w/ Factor of Safety (gal/day)	Date of Use	Date of Maximum Use	Duration of Maximum Use (days)
6552	325	1.1	358	Tue 1/21/20 - Mon 2/10/20 Mon 3/2/20 - Tue 5/5/20	Tue 4/14/20 - Wed 4/22/20	7
1949	336	1.1	369	Wed 1/29/20 - Thurs 3/12/20 Wed 8/18/20 - Thurs 4/2/20 Thurs 4/23/20 - Thurs 6/18/20	Mon 6/1/20 - Wed 6/10/20	8
2049	8,076	1.1	8,884	Mon 12/30/19 - Mon 1/6/20 Tue 1/21/20 - Wed 8/26/20 Mon 10/5/20 - Wed 10/14/20	Mon 3/2/20 - Mon 3/9/20	6
13572	6,869	1.1	7,556	Wed 1/8/20 - Tue 1/14/20 Tue 3/10/20 - Tue 4/2/20 Tue 4/21/20 - Thurs 7/9/20 Thurs 8/27/20 - Fri 9/11/20 Thurs 10/15/20 - Mon 10/26/20	Mon 6/1/20 - Thurs 6/18/20	14
3921	29,204	1.1	32,125	Wed 1/15/20 - Wed 1/22/20 Fri 4/3/20 - Fri 4/17/20 Tue 6/16/20 - Fri 10/2/20 Tue 10/27/20 - Thurs 11/19/20	Wed 6/24/20	1
3217	29,016	1.1	31,918	Thurs 1/23/20 - Mon 1/27/20 Wed 6/24/20 - Wed 7/8/20 Thurs 7/16/20 - Wed 7/29/20 Wed 8/26/20 - Thurs 9/3/20	Fri 6/26/20 - Tue 6/30/20	3
2850	24,759	1.1	27,235	Tue 1/28/20 - Thurs 1/30/20 Wed 7/1/20 - Tue 7/21/20 Thurs 7/30/20 - Mon 8/17/20 Fri 9/4/20 - Thurs 9/24/20	Thurs 7/9/20 - Tue 7/21/20	9
Other 1	24,759	1.1	27,235	Fri 1/31/20 - Wed 2/5/20 Wed 7/8/20 - Mon 7/13/20 Wed 7/22/20 - Mon 8/3/20 Thurs 8/13/20 - Thurs 11/19/20	Wed 7/22/20 - Fri 7/31/20	8
Other 2	17,436	1.1	19,180	Thurs 2/6/20 - Fri 2/7/20 Thurs 7/14/20 - Fri 7/17/20 Tue 8/4/20 - Mon 5/17/20 Fri 10/9/20 - Wed 10/21/20	Tue 8/4/20 - Mon 8/17/20	10

Proposed TL6975 VWD Hydrant Locations

Version Date: 10/12/2017

Page 1 of 7

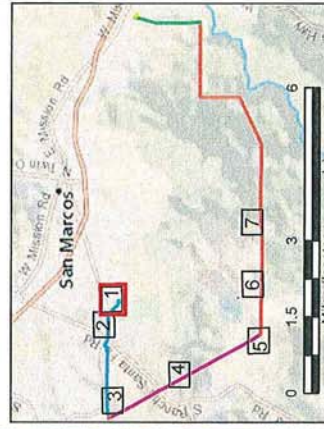
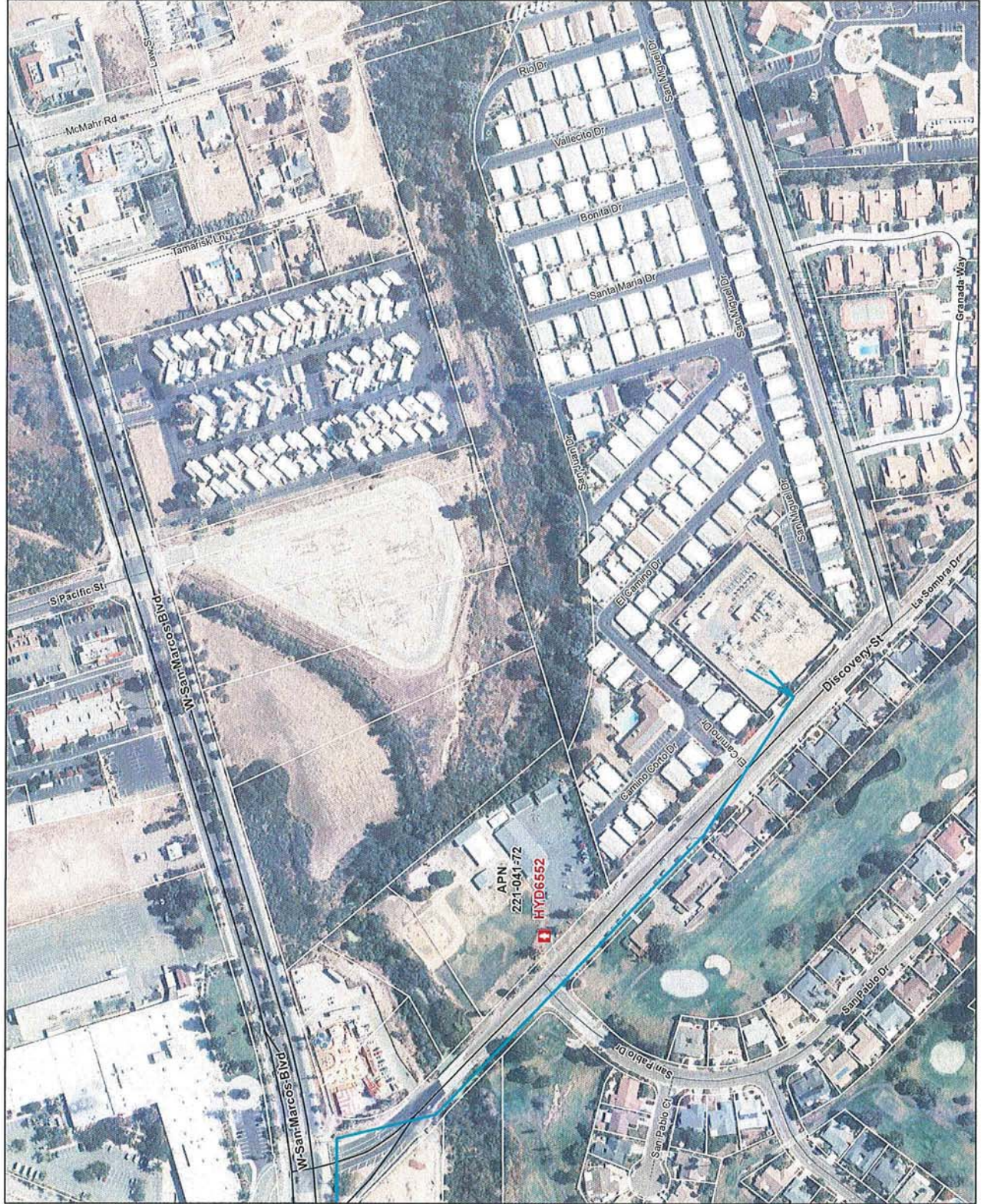
1 inch = 200 feet @ 11" x 17"



VWD Hydrant

Project alignment

— Add TL6975 to existing pole line



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SDG&E
A Southern Company

Requested by: Annamary Layton

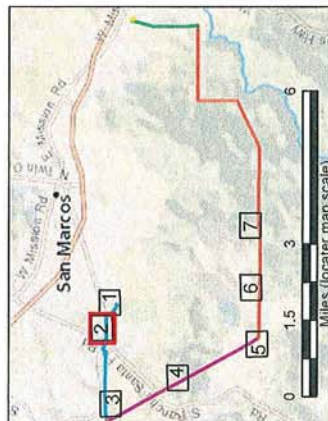
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 VWD Hydrant

Project alignment

— Add TL6975 to existing pole line



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Requested by: Annamay Luyun

Requested by: Annamay Luyun



Proposed TL6975 WVD Hydrant Locations

Version Date: 10/12/2017

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1 inch = 200 feet @ 11" x 17"



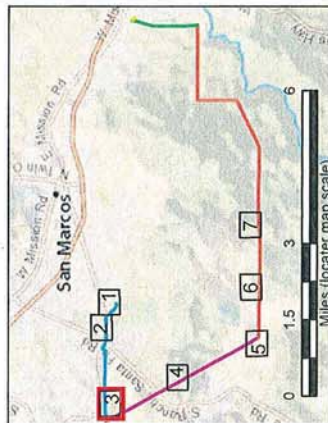
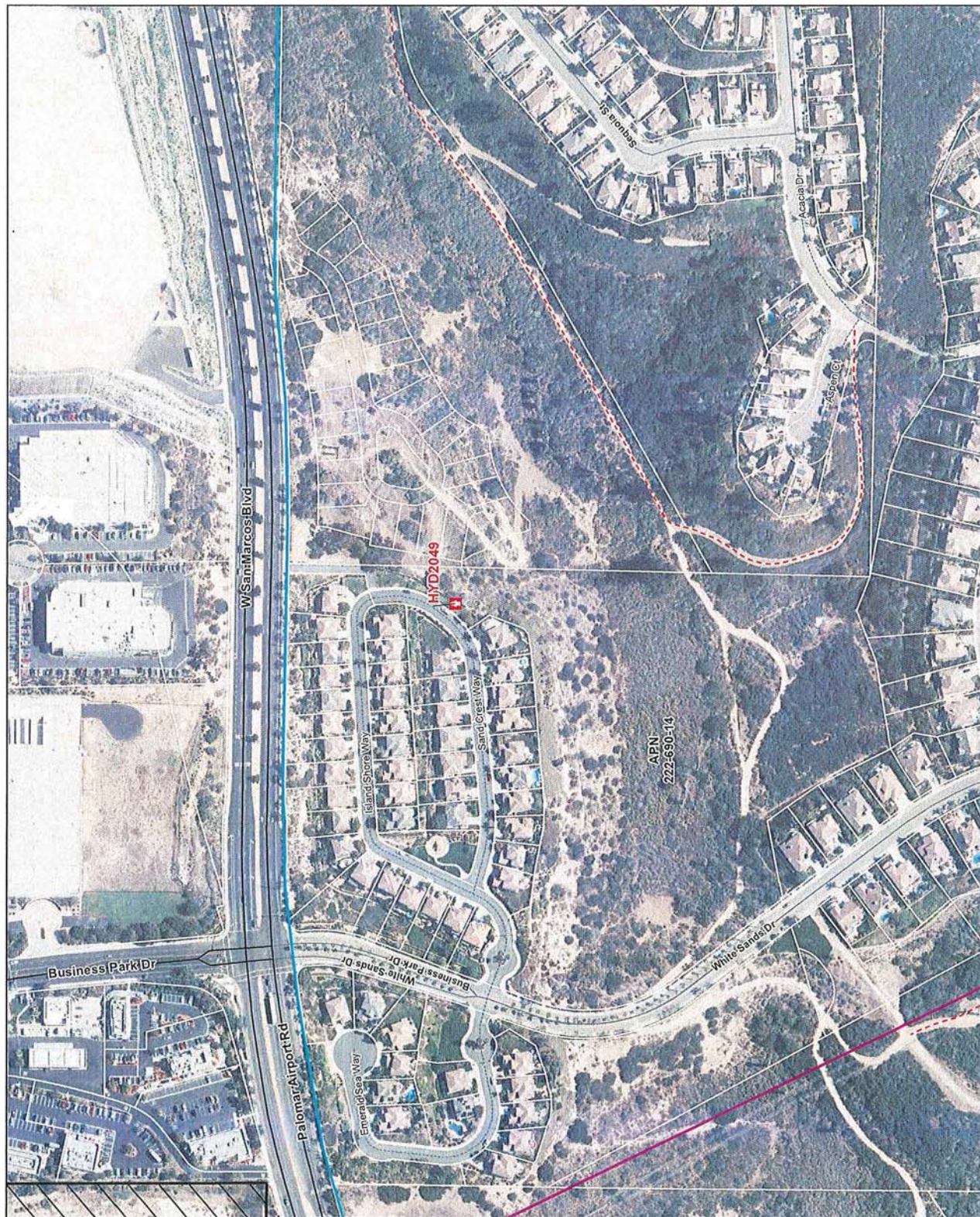
WVD Hydrant

Proposed staging yard

Project alignment

Add TL6975 to existing pole line

New overhead pole line



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SDG&E

Requested by: Anamaya Lujan

Prepared by: SDG&E

Map Project Name: Proposed TL6975 WVD Hydrant Locations

Proposed TL6975 VWD Hydrant Locations

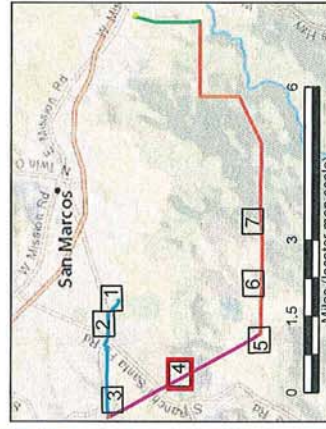
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1 inch = 200 feet @ 11" x 17"



VWD Hydrant
Project alignment
 New overhead pole line



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SDG&E
SOUTHERN CALIFORNIA GAS & ELECTRIC COMPANY

Requested by: Aramayo Lujan
Prepared by: SDG&E
Map Project Number: 222-060-16 HYD13572

Proposed TL6975 VWD Hydrant Locations

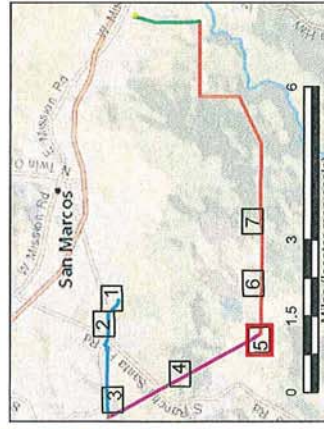
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1 inch = 200 feet @ 11" x 17"



- VWD Hydrant
- Project alignment
- New overhead pole line
- Reconductor



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Requested by: Anamway Lujan

Prepared by: SDG&E

Map Date: 10/12/2017

Proposed TL6975 VWD Hydrant Locations

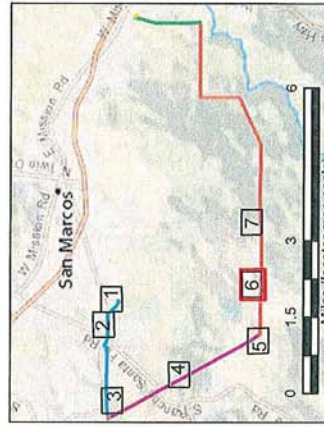
Version Date: 10/12/2017

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1 inch = 200 feet @ 11" x 17"



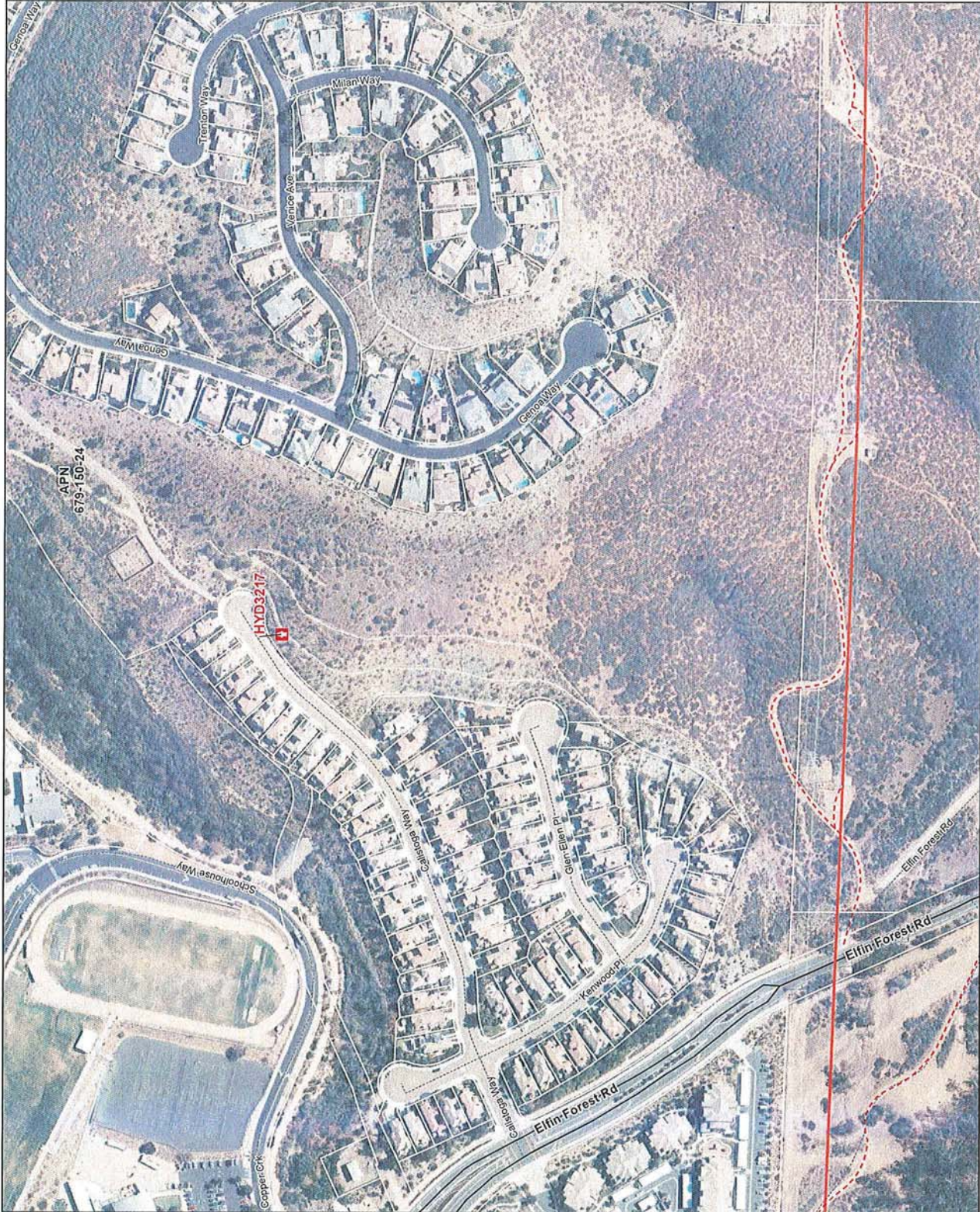
 VWD Hydrant
Project alignment
 Reconstructor



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Prepared by: Anamway Lyon
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10/12/2017
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Proposed TL6975 VWD Hydrant Locations

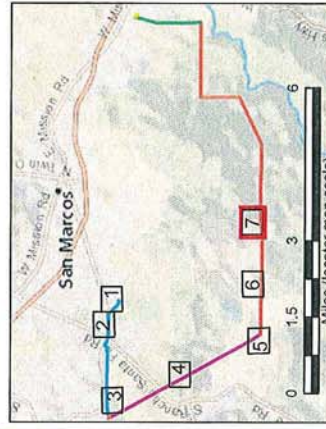
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1 inch = 200 feet @ 11" x 17"



VWD Hydrant
Project alignment
 Reconductor



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Requested by: Anamway Lyton

Prepared by: SDG&E
Map Date: 10/12/2017
Map Scale: 1 inch = 200 feet @ 11" x 17"

APPENDIX 3-E: STAKEHOLDER LIST

STAKEHOLDERS

The following entities would be key stakeholders in the San Diego Gas & Electric Company TL 6975 San Marcos to Escondido Project Proponent's Environmental Assessment.

Stakeholders
City of San Marcos
City of Vista
City of Carlsbad
City of Escondido
County of San Diego
Lake San Marcos Community Association
San Marcos High School
San Elijo Hills Community Association
Hidden Meadows Planning Group (unincorporated county areas)
Palomar Medical Center (Escondido)
Stone Brewing (multiple facilities in Escondido)
Brookdale San Marcos Assisted Living Kindred Transitional Care & Rehabilitation – Village Square (San Marcos)
San Marcos Chamber of Commerce
Escondido Chamber of Commerce
Carlsbad Chamber of Commerce
Vista Chamber of Commerce

