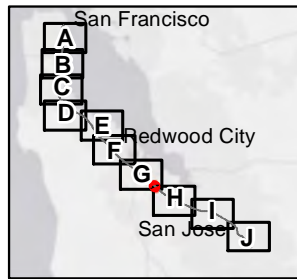
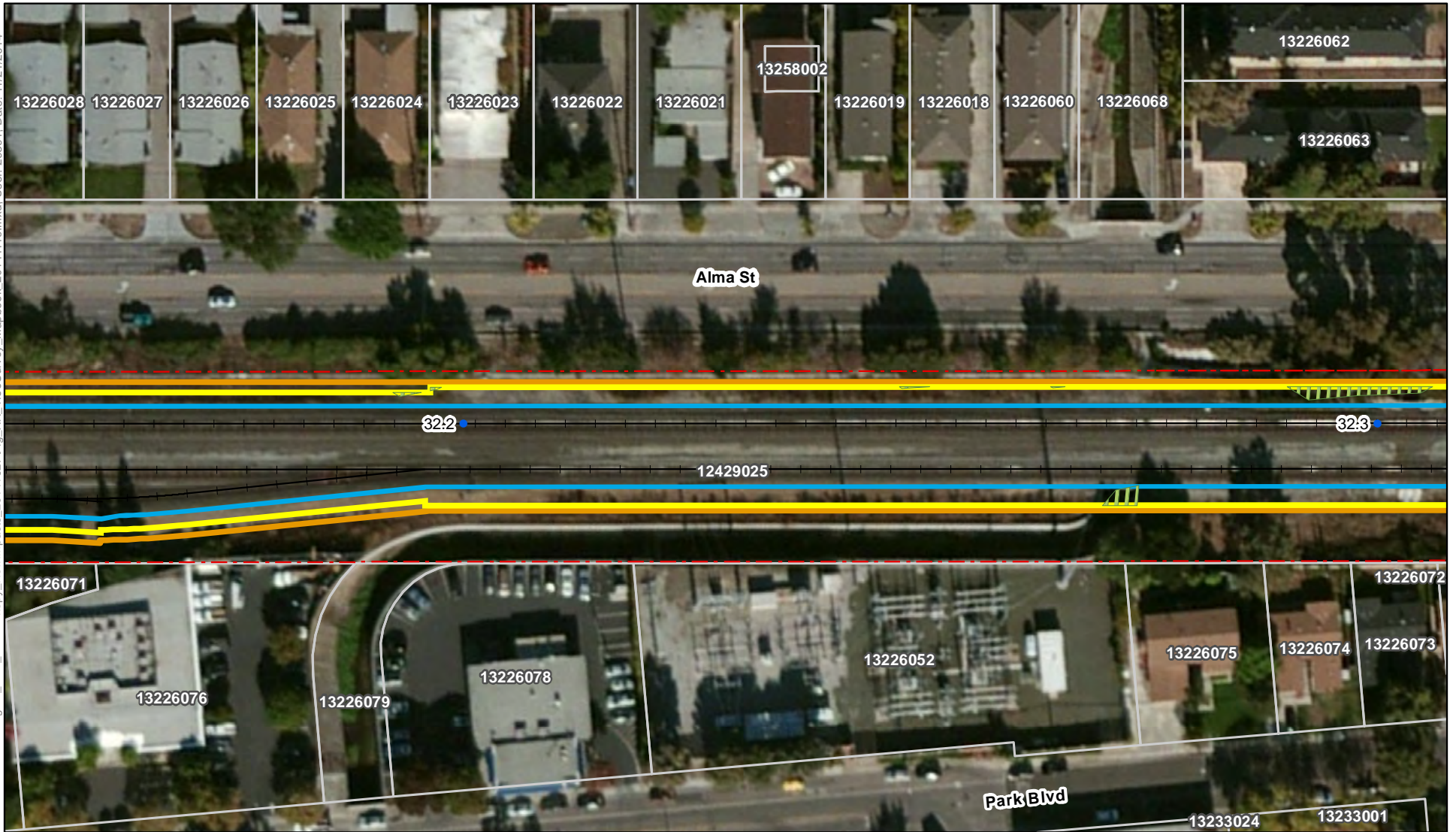


Appendix J
**Preliminary Overhead Contact System/Electrical Safety
Zone/Tree Impact Maps (Grid H)**

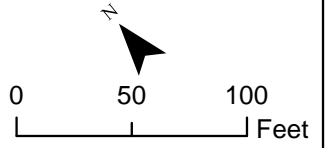


Notes:
 * Tree canopy was determined from NAIP 2009 data.
 ** Trees with a chance of removal would be trimmed if they are not removed. Images show shadows of existing trees and structures which are not meant to be mistaken for tree canopy.
 For restrictions on use of parcel data see the Notes section of the index map.

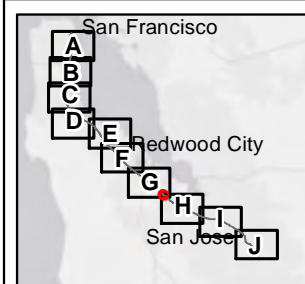
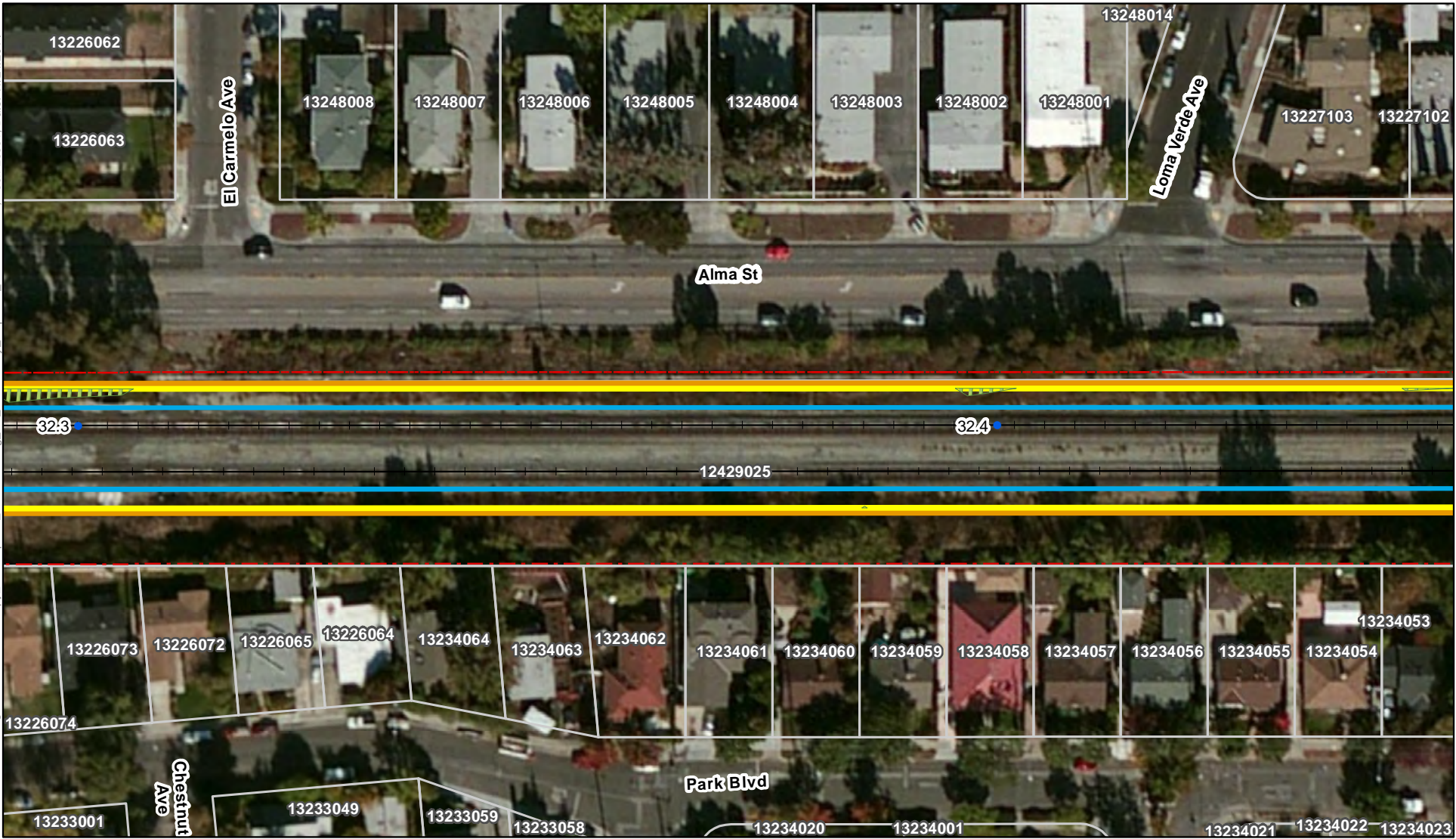
- Track Mile Post
- - - JPB Right of Way
- + Tracks
- Parcel
- OCS (outer pole alignment)
- ▨ ESZ - 21'/18' offset
- ▨ ESZ - 24' offset
- ▨ Tree Canopy within ESZ*

- Tree Impact ****
- No Impact
 - 50% Prune
 - Prune
 - 25% Remove
 - 50% Remove
 - Remove

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Maps show the ESZ based on preliminary offsets of 21 feet and 18 feet from the outer electrified track centerline in two-track areas and multi-track areas, respectively. The tree impact color coding is based on these default offsets. In some areas, due to curves, other infrastructure, or other design considerations, it may be necessary to have an ESZ up to 24 feet which is also shown in the maps.

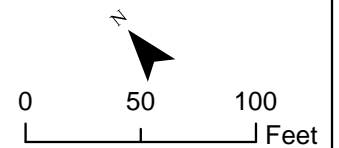


Notes:
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 For restrictions on use of parcel data see the Notes section of the index map.

- Track Mile Post
- - - JPB Right of Way
- + Tracks
- Parcel
- OCS (outer pole alignment)
- ESZ - 21'/18' offset
- ESZ - 24' offset
- ▨ Tree Canopy within ESZ*

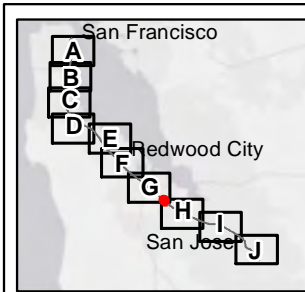
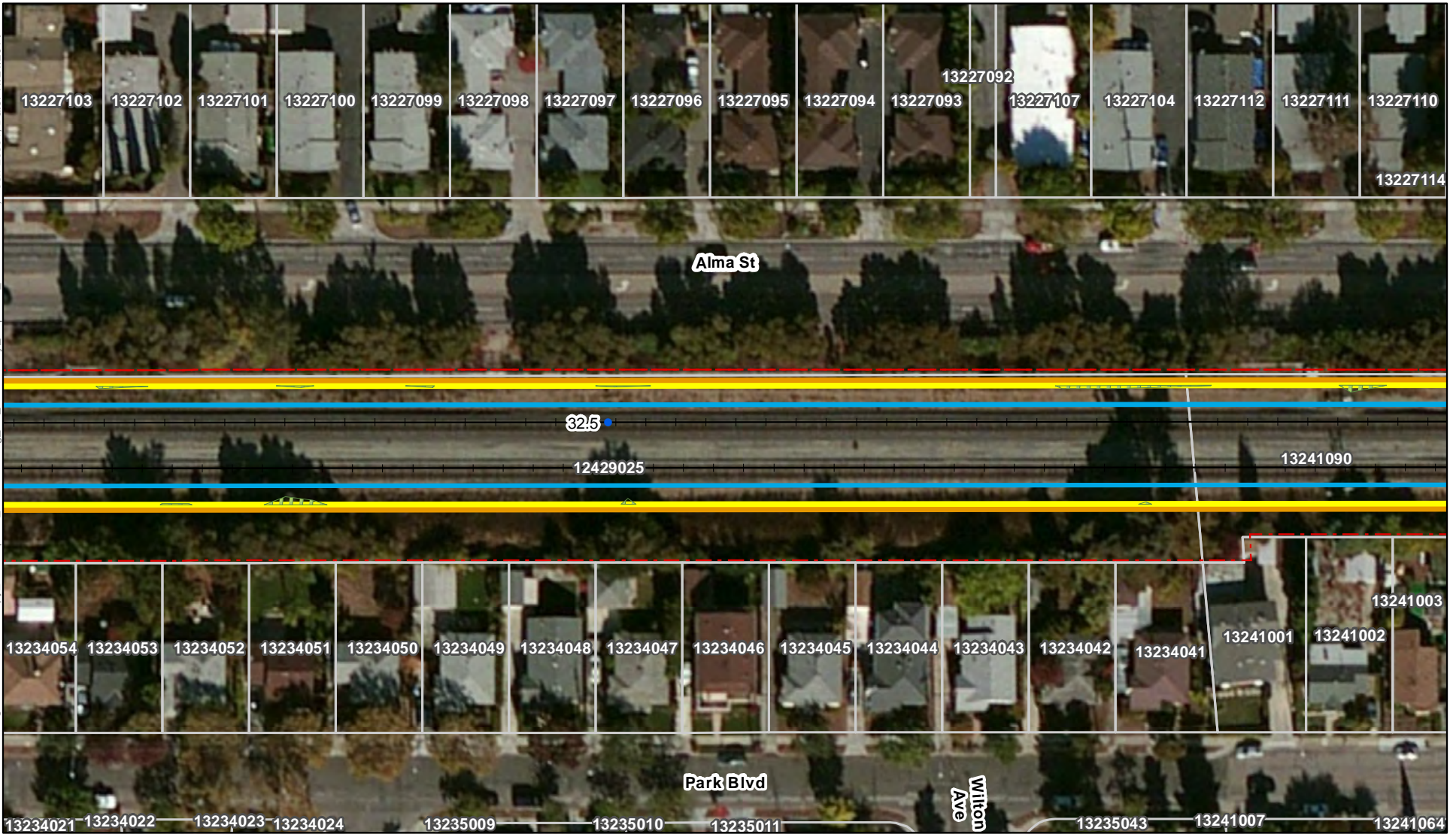
- Tree Impact ****
- No Impact
 - 50% Prune
 - Prune
 - 25% Remove
 - 50% Remove
 - Remove

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Path: K:\Projects_3\Caltrain_Moderization\data\working\40_ESZ_TreeCanopy_NewImpacts_20141027\Fig_XX_TreeSurvey_Mapbook_20141119.mxd; User: 29391; Date: 11/21/2014

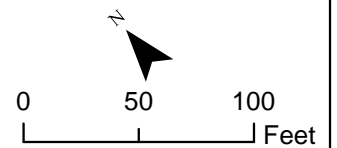


Notes:
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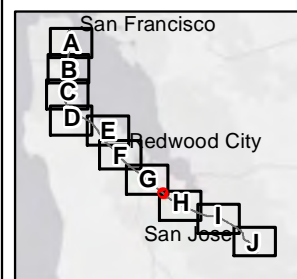
- Track Mile Post
- - - JPB Right of Way
- + Tracks
- Parcel
- OCS (outer pole alignment)
- ESZ - 21'/18' offset
- ESZ - 24' offset
- ▨ Tree Canopy within ESZ*

- Tree Impact ****
- No Impact
 - 50% Prune
 - Prune
 - 25% Remove
 - 50% Remove
 - Remove

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Maps show the ESZ based on preliminary offsets of 21 feet and 18 feet from the outer electrified track centerline in two-track areas and multi-track areas, respectively. The tree impact color coding is based on these default offsets. In some areas, due to curves, other infrastructure, or other design considerations, it may be necessary to have an ESZ up to 24 feet which is also shown in the maps.

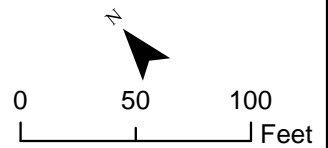


Notes:
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 For restrictions on use of parcel data see the Notes section of the index map.

- Track Mile Post
- - - JPB Right of Way
- + Tracks
- Parcel
- OCS (outer pole alignment)
- ESZ - 21'/18' offset
- ESZ - 24' offset
- ▨ Tree Canopy within ESZ*

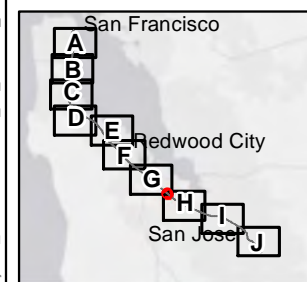
- Tree Impact ****
- No Impact
 - 50% Prune
 - Prune
 - 25% Remove
 - 50% Remove
 - Remove

Preliminary PCEP OCS/ESZ/Tree Impact Maps
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Path: K:\Projects_3\Caltrain_Moderization\data\working\40_ESZ_TreeCanopy_NewImpacts_20141027\Fig_XX_TreeSurvey_Mapbook_20141119.mxd; User: 29391; Date: 11/21/2014

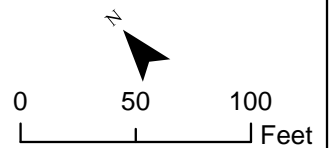


Notes:
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 For restrictions on use of parcel data see the Notes section of the index map.

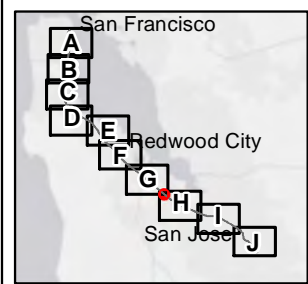
- Track Mile Post
- - - JPB Right of Way
- + Tracks
- Parcel
- OCS (outer pole alignment)
- ESZ - 21'/18' offset
- ESZ - 24' offset
- Tree Canopy within ESZ*

- Tree Impact ****
- No Impact
 - 50% Prune
 - Prune
 - 25% Remove
 - 50% Remove
 - Remove

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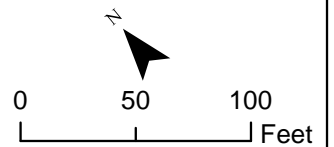


Notes:
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- + Tracks
- Parcel
- OCS (outer pole alignment)
- ESZ - 21'/18' offset
- ESZ - 24' offset
- Tree Canopy within ESZ*

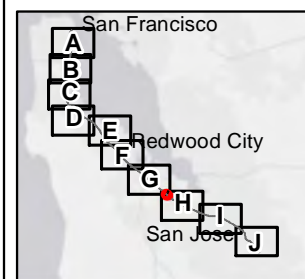
- Tree Impact ****
- No Impact
 - 50% Prune
 - Prune
 - 25% Remove
 - 50% Remove
 - Remove

Preliminary PCEP OCS/ESZ/Tree Impact Maps
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Maps show the ESZ based on preliminary offsets of 21 feet and 18 feet from the outer electrified track centerline in two-track areas and multi-track areas, respectively. The tree impact color coding is based on these default offsets. In some areas, due to curves, other infrastructure, or other design considerations, it may be necessary to have an ESZ up to 24 feet which is also shown in the maps.

Path: K:\Projects_3\Caltrain_Moderization\data\working\40_ESZ_TreeCanopy_NewImpacts_20141027\Fig_XX_TreeSurvey_Mapbook_20141119.mxd; User: 29391; Date: 11/21/2014

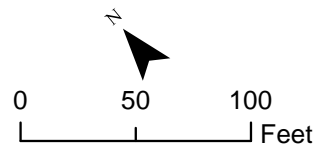


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- Track Mile Post
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- + Tracks
- Parcel
- OCS (outer pole alignment)
- ▨ ESZ - 21/18' offset
- ▨ ESZ - 24' offset
- ▨ Tree Canopy within ESZ*

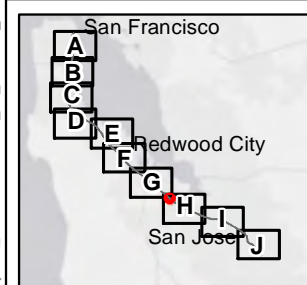
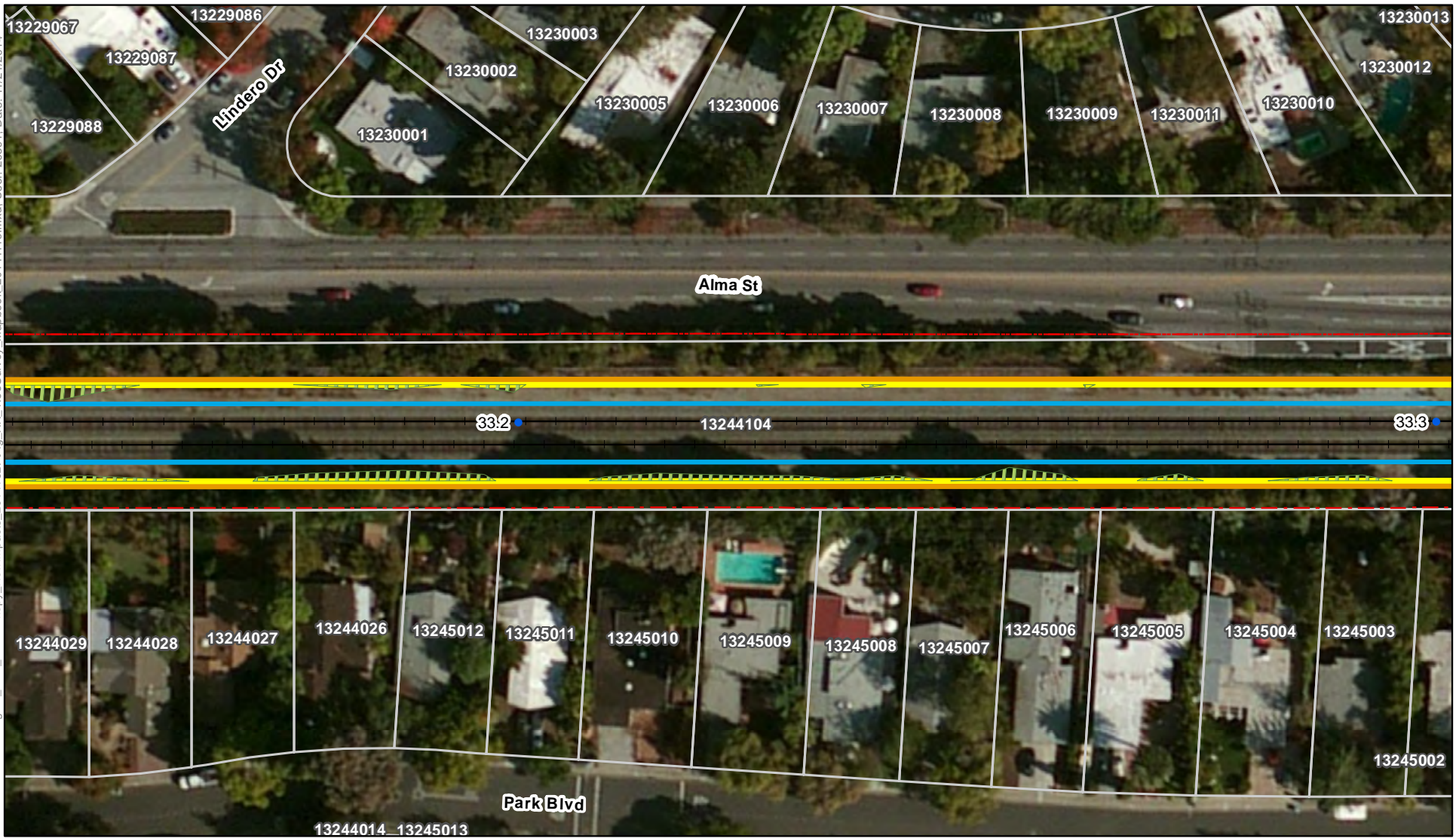
- Tree Impact ****
- No Impact
 - 50% Prune
 - Prune
 - 25% Remove
 - 50% Remove
 - Remove

Preliminary PCEP OCS/ESZ/Tree Impact Maps
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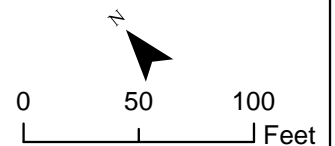


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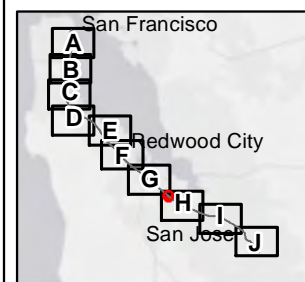
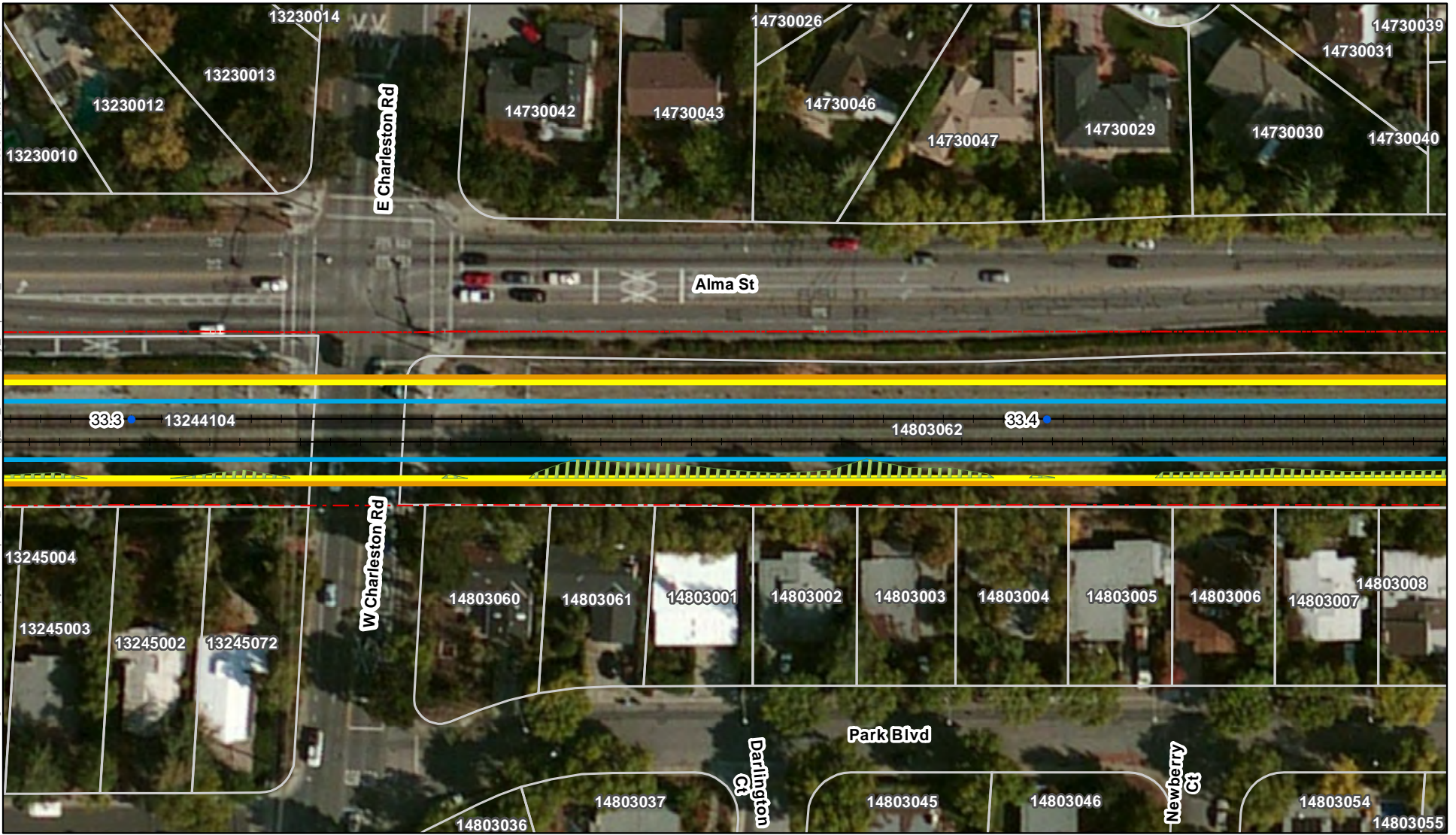
- Track Mile Post
- - - JPB Right of Way
- + Tracks
- Parcel
- OCS (outer pole alignment)
- ESZ - 21'/18' offset
- ESZ - 24' offset
- ▨ Tree Canopy within ESZ*

- Tree Impact ****
- No Impact
 - 50% Prune
 - Prune
 - 25% Remove
 - 50% Remove
 - Remove

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- - - JPB Right of Way
- + Tracks
- Parcel
- OCS (outer pole alignment)
- ESZ - 21'/18' offset
- ESZ - 24' offset
- ▨ Tree Canopy within ESZ*

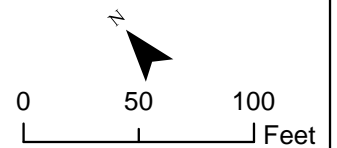
- Tree Impact ****
- No Impact
 - 50% Prune
 - Prune
 - 25% Remove
 - 50% Remove
 - Remove

Preliminary PCEP OCS/ESZ/Tree Impact Maps

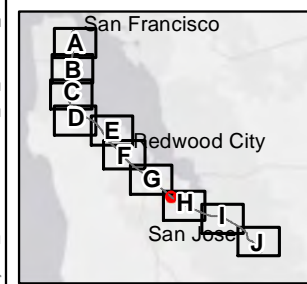
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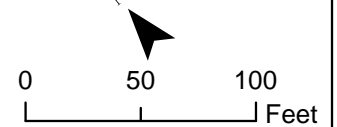
- Track Mile Post
- - - JPB Right of Way
- + Tracks
- Parcel
- OCS (outer pole alignment)
- ESZ - 21'/18' offset
- ESZ - 24' offset
- ▨ Tree Canopy within ESZ*

- Tree Impact ****
- No Impact
 - 50% Prune
 - Prune
 - 25% Remove
 - 50% Remove
 - Remove

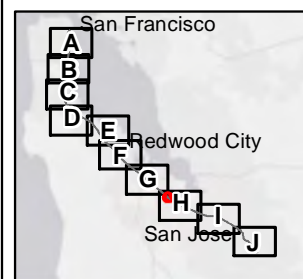
Preliminary PCEP OCS/ESZ/Tree Impact Maps

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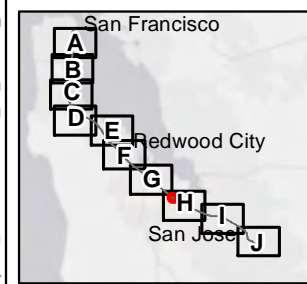
Notes:
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- Track Mile Post
 - - - JPB Right of Way
 - + Tracks
 - Parcel
 - OCS (outer pole alignment)
 - ESZ - 21'/18' offset
 - ESZ - 24' offset
 - ▨ Tree Canopy within ESZ*
- Tree Impact ****
 - No Impact
 - 50% Prune
 - Prune
 - 25% Remove
 - 50% Remove
 - Remove

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Maps show the ESZ based on preliminary offsets of 21 feet and 18 feet from the outer electrified track centerline in two-track areas and multi-track areas, respectively. The tree impact color coding is based on these default offsets. In some areas, due to curves, other infrastructure, or other design considerations, it may be necessary to have an ESZ up to 24 feet which is also shown in the maps.



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- + Tracks
- Parcel
- OCS (outer pole alignment)
- ESZ - 21'/18' offset
- ESZ - 24' offset
- ▨ Tree Canopy within ESZ*

- Tree Impact ****
- No Impact
 - 50% Prune
 - Prune
 - 25% Remove
 - 50% Remove
 - Remove

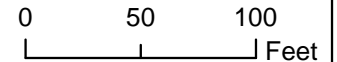
Preliminary PCEP OCS/ESZ/Tree Impact Maps

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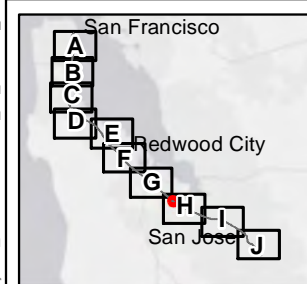
Grid Index: H

Palo Alto, Santa Clara County

Mountain View, Santa Clara County



Maps show the ESZ based on preliminary offsets of 21 feet and 18 feet from the outer electrified track centerline in two-track areas and multi-track areas, respectively. The tree impact color coding is based on these default offsets. In some areas, due to curves, other infrastructure, or other design considerations, it may be necessary to have an ESZ up to 24 feet which is also shown in the maps.



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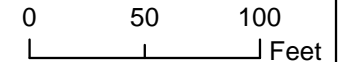
- Track Mile Post
- - - JPB Right of Way
- + Tracks
- Parcel
- OCS (outer pole alignment)
- ESZ - 21'/18' offset
- ESZ - 24' offset
- ▨ Tree Canopy within ESZ*

- Tree Impact ****
- No Impact
 - 50% Prune
 - Prune
 - 25% Remove
 - 50% Remove
 - Remove

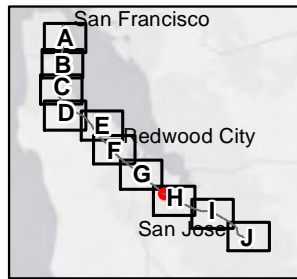
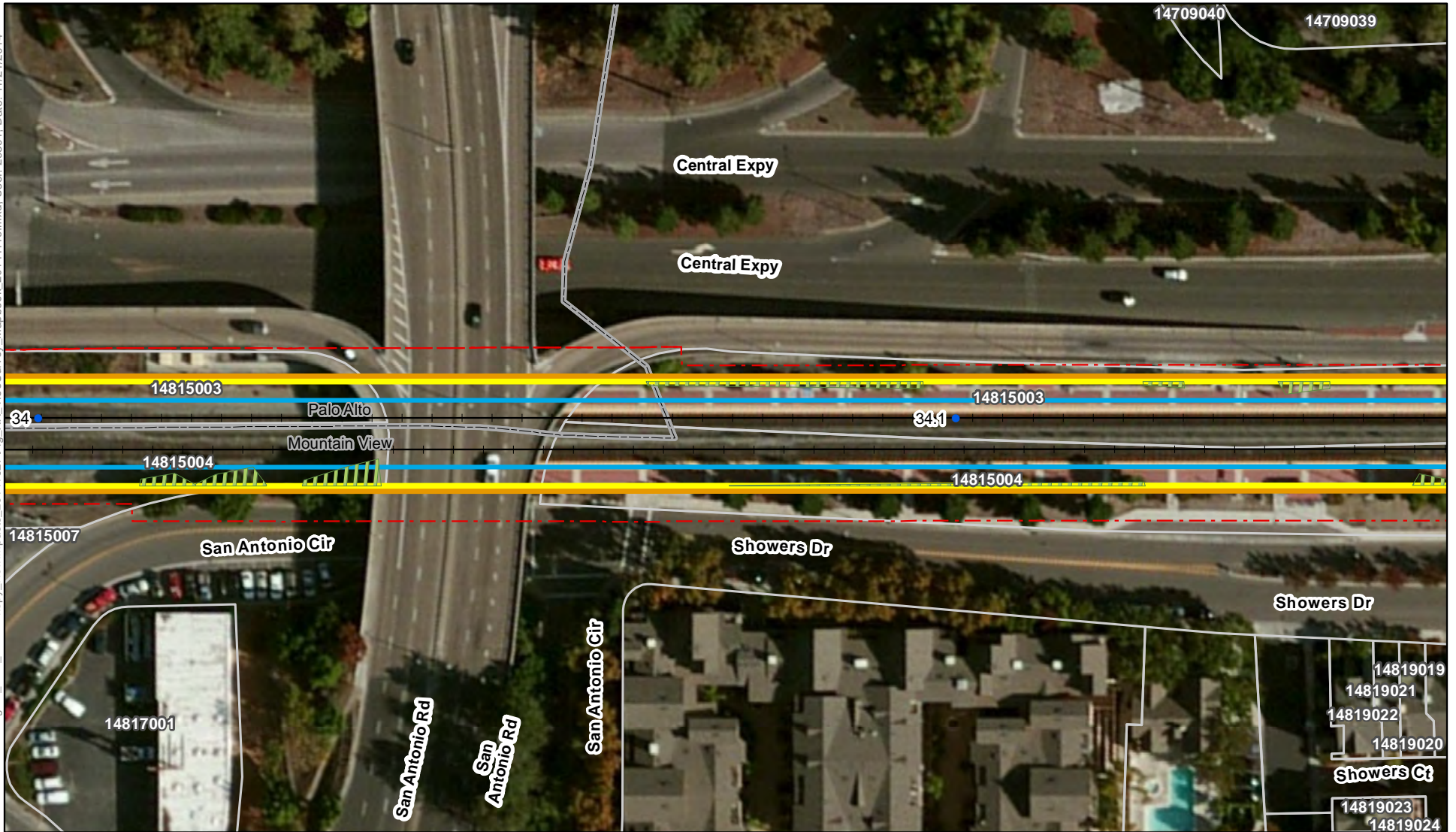
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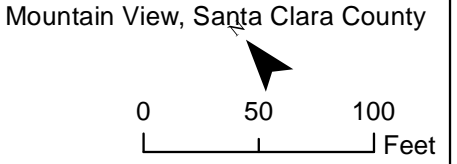


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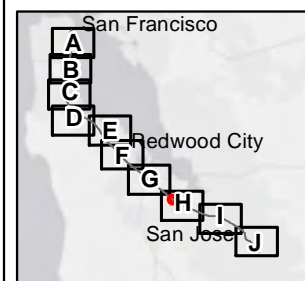
- Track Mile Post
- - - JPB Right of Way
- + Tracks
- Parcel
- OCS (outer pole alignment)
- ESZ - 21'/18' offset
- ESZ - 24' offset
- ▨ Tree Canopy within ESZ*

- Tree Impact ****
- No Impact
 - 50% Prune
 - Prune
 - 25% Remove
 - 50% Remove
 - Remove

Preliminary PCEP OCS/ESZ/Tree Impact Maps
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- Track Mile Post
- - - JPB Right of Way
- + Tracks
- Parcel
- ▬ OCS (outer pole alignment)
- ▬ ESZ - 21/18' offset
- ▬ ESZ - 24' offset
- ▨ Tree Canopy within ESZ*

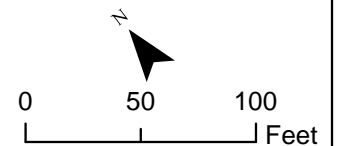
- Tree Impact ****
- No Impact
 - 50% Prune
 - Prune
 - 25% Remove
 - 50% Remove
 - Remove

Preliminary PCEP OCS/ESZ/Tree Impact Maps

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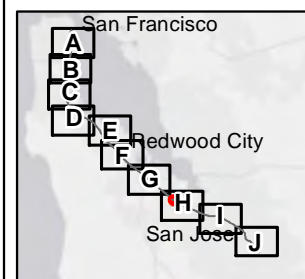
Grid Index: H

Mountain View, Santa Clara County



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- ESZ - 21'/18' offset
- ESZ - 24' offset
- ▨ Tree Canopy within ESZ*

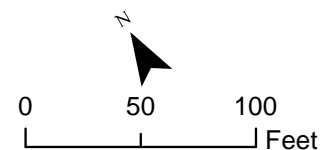
- Tree Impact ****
- No Impact
 - 50% Prune
 - Prune
 - 25% Remove
 - 50% Remove
 - Remove

Preliminary PCEP OCS/ESZ/Tree Impact Maps

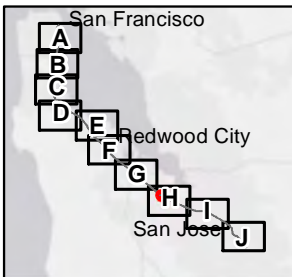
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Maps show the ESZ based on preliminary offsets of 21 feet and 18 feet from the outer electrified track centerline in two-track areas and multi-track areas, respectively. The tree impact color coding is based on these default offsets. In some areas, due to curves, other infrastructure, or other design considerations, it may be necessary to have an ESZ up to 24 feet which is also shown in the maps.

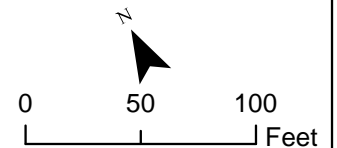


Notes:
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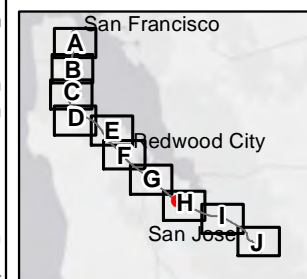
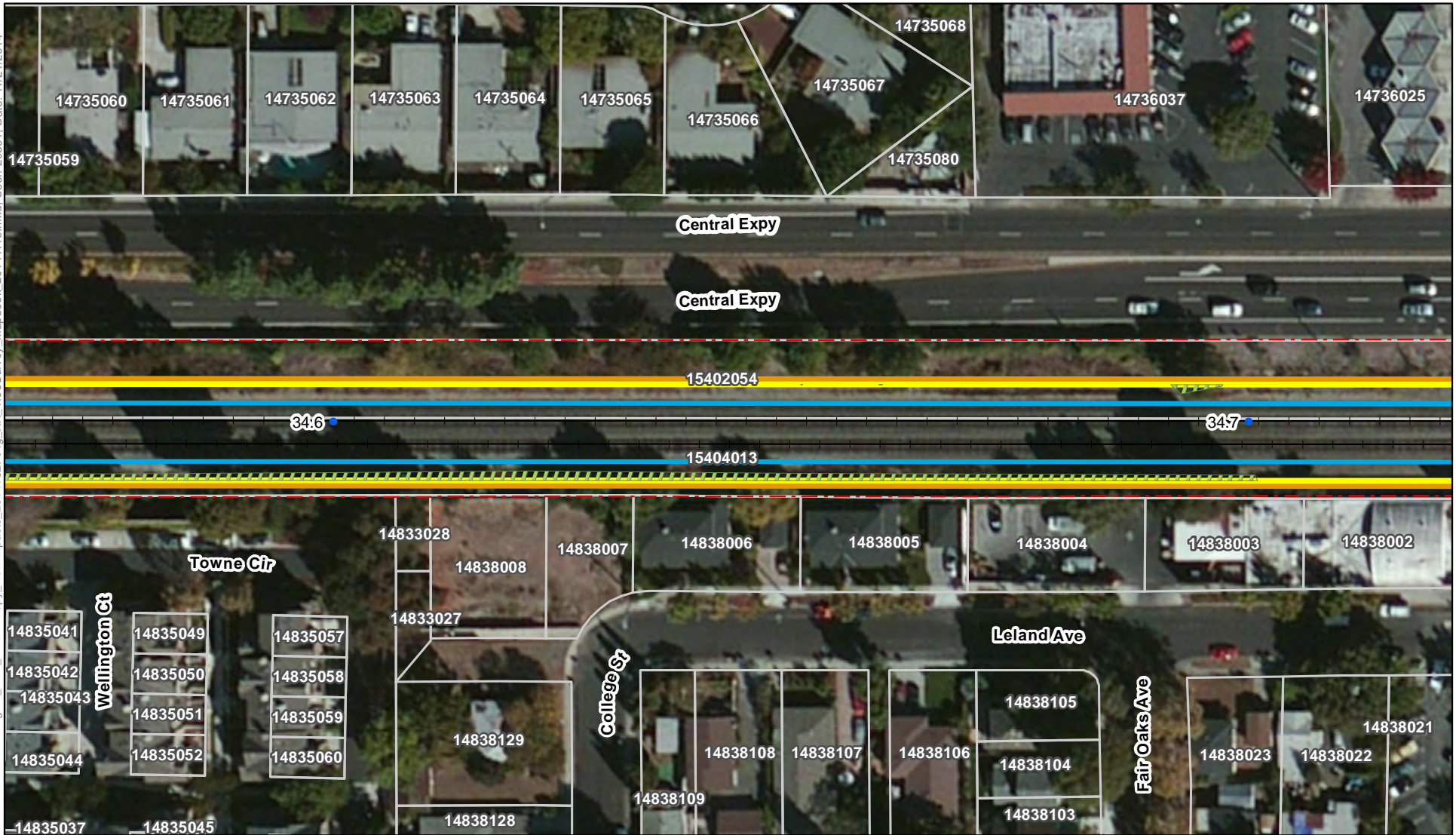
- Track Mile Post
- - - JPB Right of Way
- + Tracks
- Parcel
- ▬ OCS (outer pole alignment)
- ▬ ESZ - 21'/18' offset
- ▬ ESZ - 24' offset
- ▨ Tree Canopy within ESZ*

- Tree Impact ****
- No Impact
 - 50% Prune
 - Prune
 - 25% Remove
 - 50% Remove
 - Remove

Preliminary PCEP OCS/ESZ/Tree Impact Maps
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Maps show the ESZ based on preliminary offsets of 21 feet and 18 feet from the outer electrified track centerline in two-track areas and multi-track areas, respectively. The tree impact color coding is based on these default offsets. In some areas, due to curves, other infrastructure, or other design considerations, it may be necessary to have an ESZ up to 24 feet which is also shown in the maps.

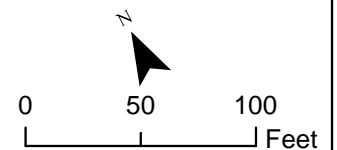


Notes:
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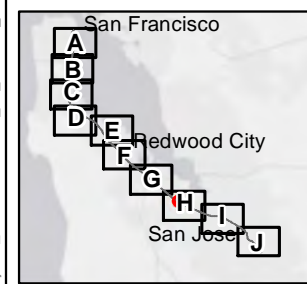
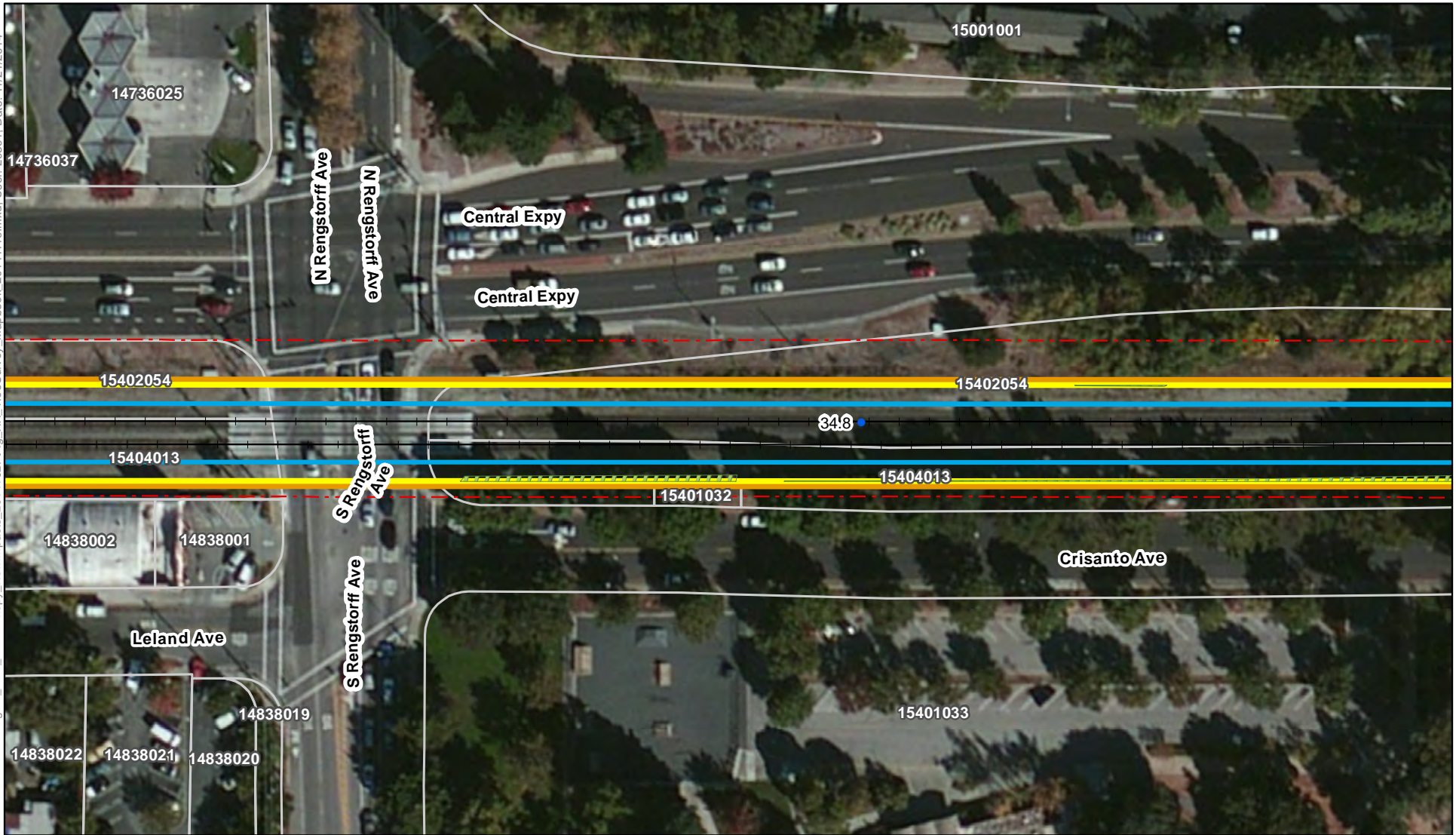
- Track Mile Post
- - - JPB Right of Way
- + Tracks
- Parcel
- OCS (outer pole alignment)
- ESZ - 21'/18' offset
- ESZ - 24' offset
- ▨ Tree Canopy within ESZ*

- Tree Impact ****
- No Impact
 - 50% Prune
 - Prune
 - 25% Remove
 - 50% Remove
 - Remove

Preliminary PCEP OCS/ESZ/Tree Impact Maps
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 Grid Index: H
 Mountain View, Santa Clara County



Maps show the ESZ based on preliminary offsets of 21 feet and 18 feet from the outer electrified track centerline in two-track areas and multi-track areas, respectively. The tree impact color coding is based on these default offsets. In some areas, due to curves, other infrastructure, or other design considerations, it may be necessary to have an ESZ up to 24 feet which is also shown in the maps.

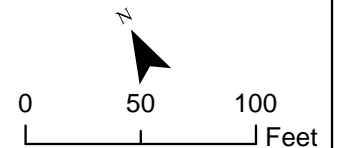


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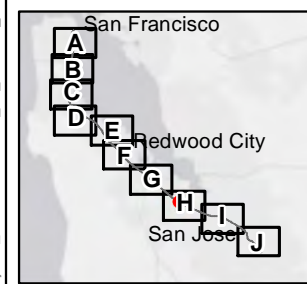
- Track Mile Post
- - - JPB Right of Way
- + Tracks
- Parcel
- OCS (outer pole alignment)
- ESZ - 21'/18' offset
- ESZ - 24' offset
- ▨ Tree Canopy within ESZ*

- Tree Impact ****
- No Impact
 - 50% Prune
 - Prune
 - 25% Remove
 - 50% Remove
 - Remove

Preliminary PCEP OCS/ESZ/Tree Impact Maps
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 Mountain View, Santa Clara County



Maps show the ESZ based on preliminary offsets of 21 feet and 18 feet from the outer electrified track centerline in two-track areas and multi-track areas, respectively. The tree impact color coding is based on these default offsets. In some areas, due to curves, other infrastructure, or other design considerations, it may be necessary to have an ESZ up to 24 feet which is also shown in the maps.



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- Track Mile Post
- - - JPB Right of Way
- + Tracks
- Parcel
- OCS (outer pole alignment)
- ESZ - 21'/18' offset
- ESZ - 24' offset
- ▨ Tree Canopy within ESZ*

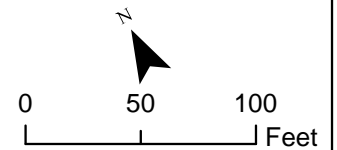
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- No Impact
 - 50% Prune
 - Prune
 - 25% Remove
 - 50% Remove
 - Remove

Preliminary PCEP OCS/ESZ/Tree Impact Maps

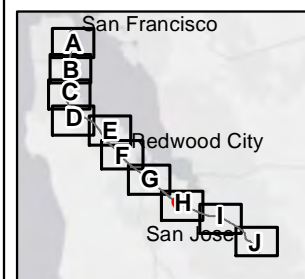
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- Track Mile Post
- - - JPB Right of Way
- + Tracks
- Parcel
- OCS (outer pole alignment)
- ESZ - 21'/18' offset
- ESZ - 24' offset
- Tree Canopy within ESZ*

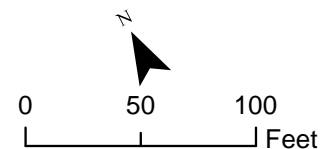
- Tree Impact ****
- No Impact
 - 50% Prune
 - Prune
 - 25% Remove
 - 50% Remove
 - Remove

Preliminary PCEP OCS/ESZ/Tree Impact Maps

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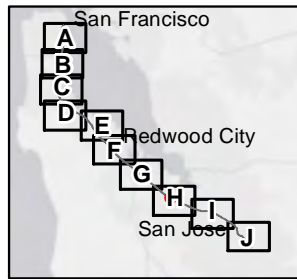
Grid Index: H

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Path: K:\Projects_3\Caltrain_3\Caltrain_00606_12_Caltrain_Moderization\data\working\40_ESZ_TreeCanopy_NewImpacts_20141027\Fig_XX_TreeSurvey_Mapbook_20141119.mxd; User: 29391; Date: 11/21/2014

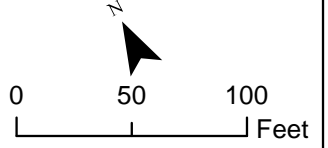


Notes:
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 For restrictions on use of parcel data see the Notes section of the index map.

- Track Mile Post
- - - JPB Right of Way
- + Tracks
- Parcel
- OCS (outer pole alignment)
- ESZ - 21'/18' offset
- ESZ - 24' offset
- ▨ Tree Canopy within ESZ*

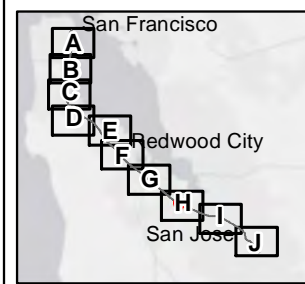
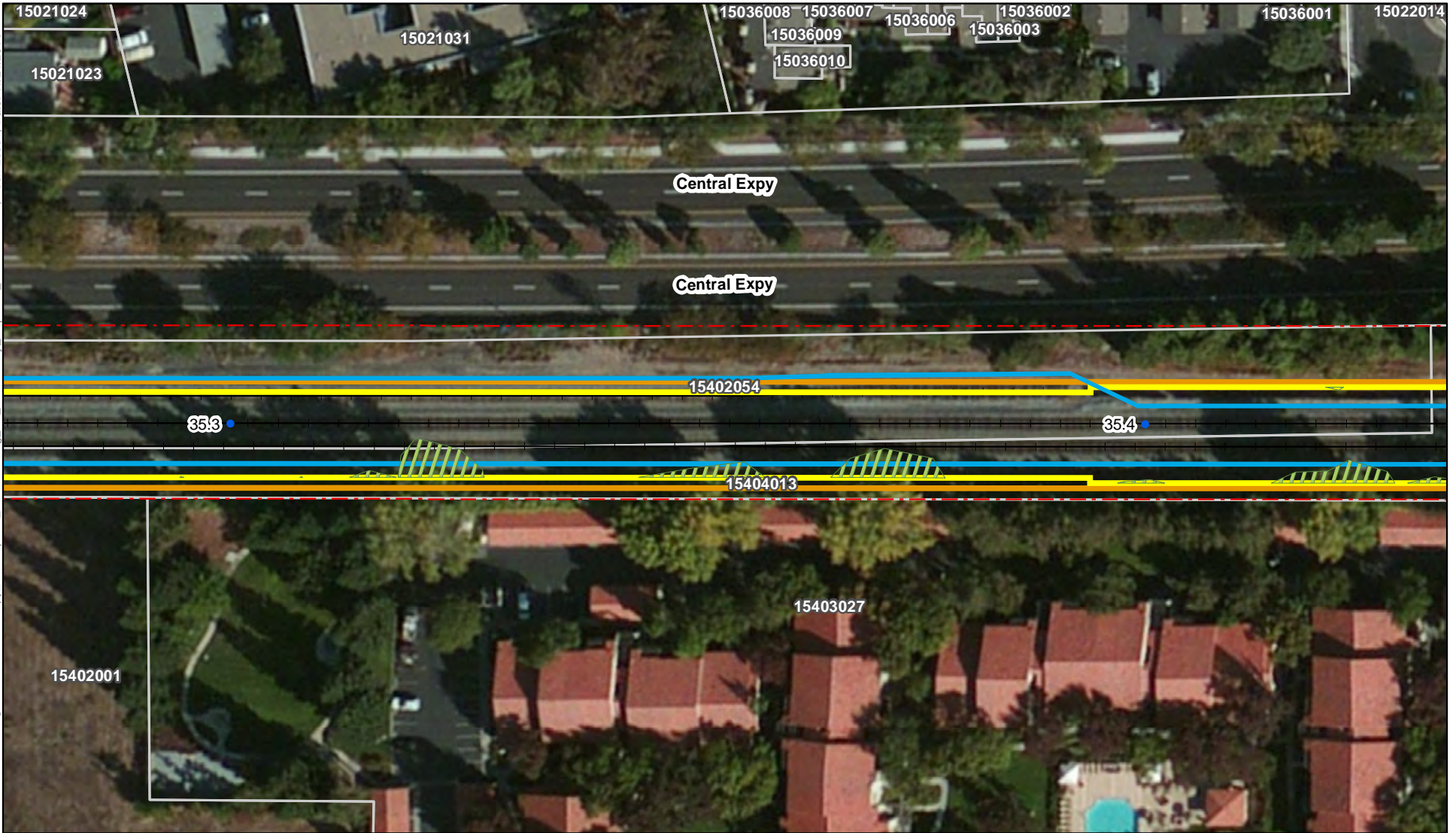
- Tree Impact ****
- No Impact
 - 50% Prune
 - Prune
 - 25% Remove
 - 50% Remove
 - Remove

Preliminary PCEP OCS/ESZ/Tree Impact Maps
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Maps show the ESZ based on preliminary offsets of 21 feet and 18 feet from the outer electrified track centerline in two-track areas and multi-track areas, respectively. The tree impact color coding is based on these default offsets. In some areas, due to curves, other infrastructure, or other design considerations, it may be necessary to have an ESZ up to 24 feet which is also shown in the maps.

Path: K:\Projects_3\Caltrain_MoDerization\data\working\40_ESZ_TreeCanopy_NewImpacts_20141027\Fig_XX_TreeSurvey_Mapbook_20141119.mxd; User: 29391; Date: 11/21/2014



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- Track Mile Post
- - - JPB Right of Way
- + Tracks
- Parcel
- ▬ OCS (outer pole alignment)
- ▬ ESZ - 21'/18' offset
- ▬ ESZ - 24' offset
- ▨ Tree Canopy within ESZ*

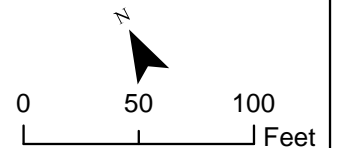
- Tree Impact ****
- No Impact
 - 50% Prune
 - Prune
 - 25% Remove
 - 50% Remove
 - Remove

Preliminary PCEP OCS/ESZ/Tree Impact Maps

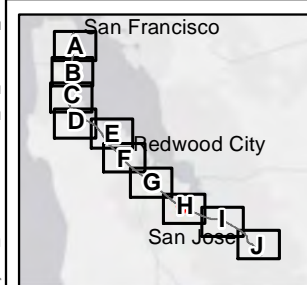
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Maps show the ESZ based on preliminary offsets of 21 feet and 18 feet from the outer electrified track centerline in two-track areas and multi-track areas, respectively. The tree impact color coding is based on these default offsets. In some areas, due to curves, other infrastructure, or other design considerations, it may be necessary to have an ESZ up to 24 feet which is also shown in the maps.



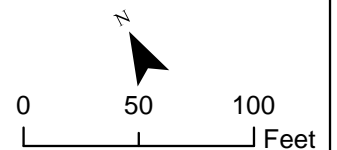
Notes:
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- Track Mile Post
- - - JPB Right of Way
- + Tracks
- Parcel
- OCS (outer pole alignment)
- ESZ - 21'/18' offset
- ESZ - 24' offset
- ▨ Tree Canopy within ESZ*

- Tree Impact ****
- No Impact
 - 50% Prune
 - Prune
 - 25% Remove
 - 50% Remove
 - Remove

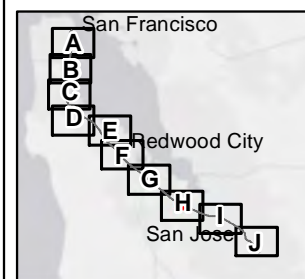
Preliminary PCEP OCS/ESZ/Tree Impact Maps

Mountain View, Santa Clara County



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Path: K:\Projects_3\Caltrain_MoDerization\data\working\40_ESZ_TreeCanopy_NewImpacts_20141027\Fig_XX_TreeSurvey_Mapbook_20141119.mxd; User: 29391; Date: 11/21/2014



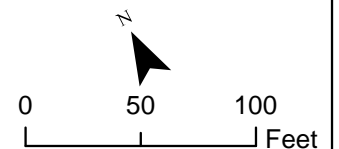
Notes:
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- Track Mile Post
- - - JPB Right of Way
- + Tracks
- Parcel
- OCS (outer pole alignment)
- ESZ - 21'/18' offset
- ESZ - 24' offset
- ▨ Tree Canopy within ESZ*

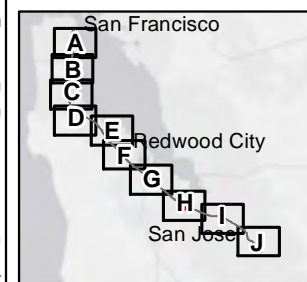
- Tree Impact ****
- No Impact
 - 50% Prune
 - Prune
 - 25% Remove
 - 50% Remove
 - Remove

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- Track Mile Post
- - - JPB Right of Way
- + Tracks
- Parcel
- OCS (outer pole alignment)
- ESZ - 21'/18' offset
- ESZ - 24' offset
- ▨ Tree Canopy within ESZ*

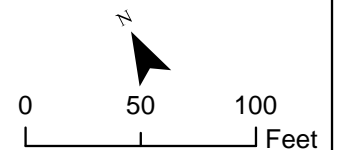
- Tree Impact ****
- No Impact
 - 50% Prune
 - Prune
 - 25% Remove
 - 50% Remove
 - Remove

Preliminary PCEP OCS/ESZ/Tree Impact Maps

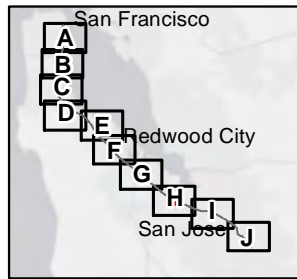
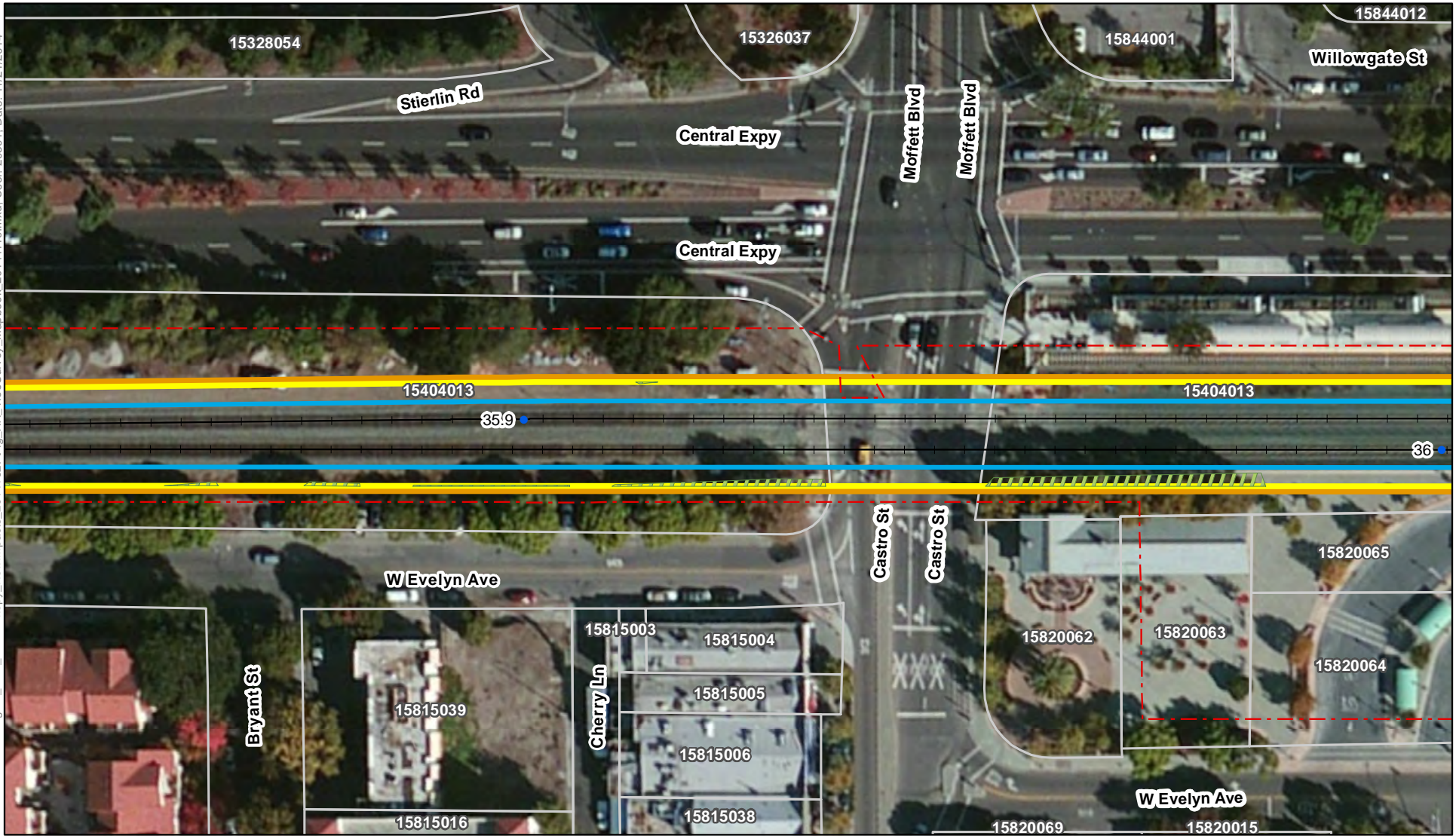
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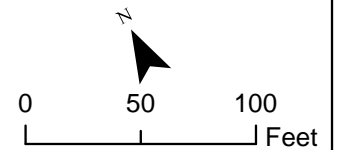


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- Track Mile Post
- - - JPB Right of Way
- + Tracks
- Parcel
- OCS (outer pole alignment)
- ESZ - 21'/18' offset
- ESZ - 24' offset
- ▨ Tree Canopy within ESZ*

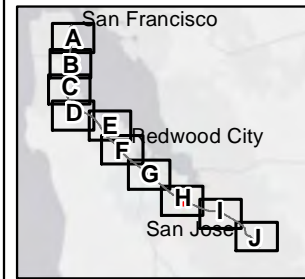
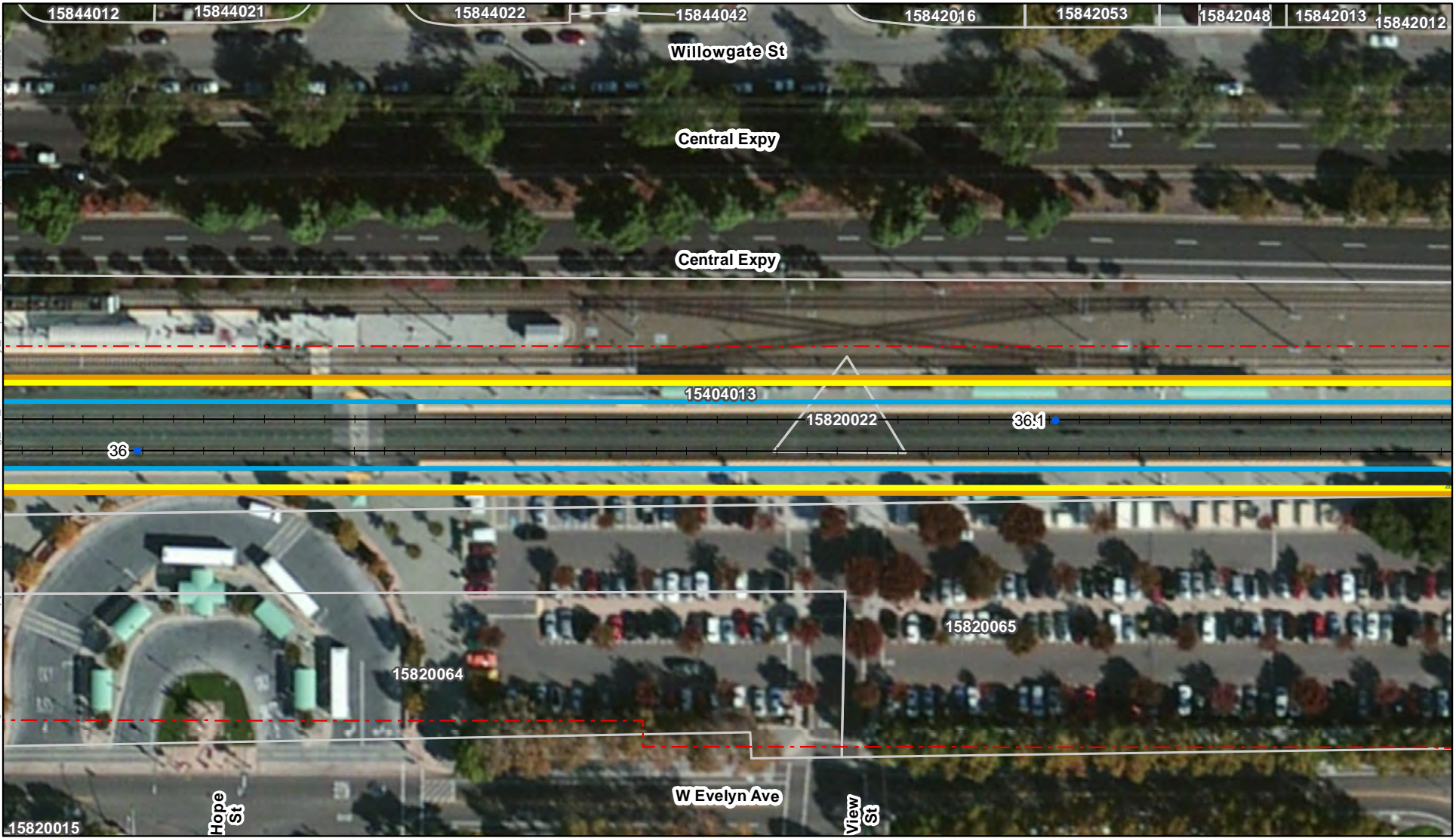
- Tree Impact ****
- No Impact
 - 50% Prune
 - Prune
 - 25% Remove
 - 50% Remove
 - Remove

Preliminary PCEP OCS/ESZ/Tree Impact Maps
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Path: K:\Projects_3\Caltrain_Moderization\data\working\40_ESZ_TreeCanopy_NewImpacts_20141027\Fig_XX_TreeSurvey_Mapbook_20141119.mxd; User: 29391; Date: 11/21/2014



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- - - JPB Right of Way
- + Tracks
- Parcel
- OCS (outer pole alignment)
- ESZ - 21'/18' offset
- ESZ - 24' offset
- Tree Canopy within ESZ*

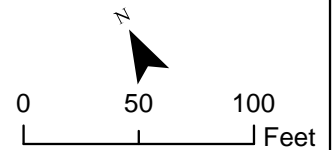
- Tree Impact ****
- No Impact
 - 50% Prune
 - Prune
 - 25% Remove
 - 50% Remove
 - Remove

Preliminary PCEP OCS/ESZ/Tree Impact Maps

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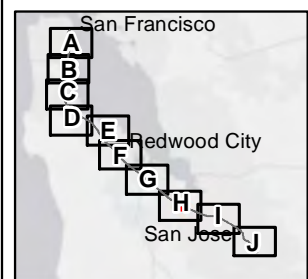
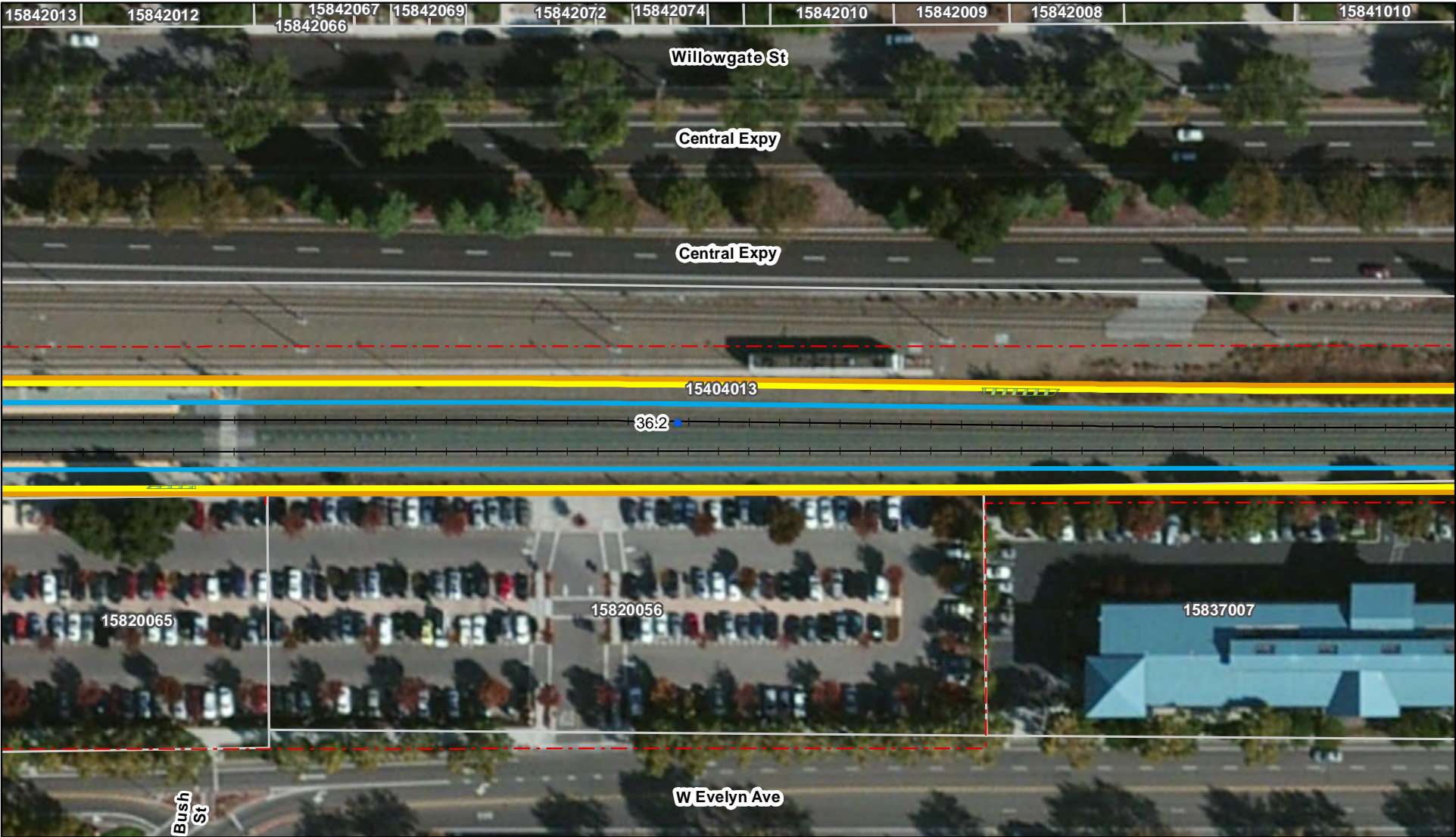
Grid Index: H

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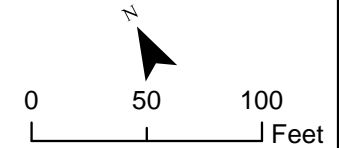
Path: K:\Projects_3\Caltrain_Mo... 12_Caltrain_Mo... 40_ESZ_TreeCanopy... 20141119.mxd; User: 29391; Date: 11/21/2014



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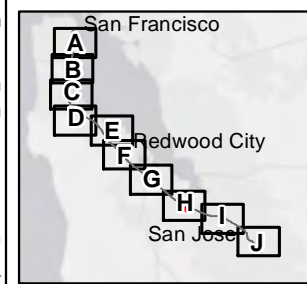
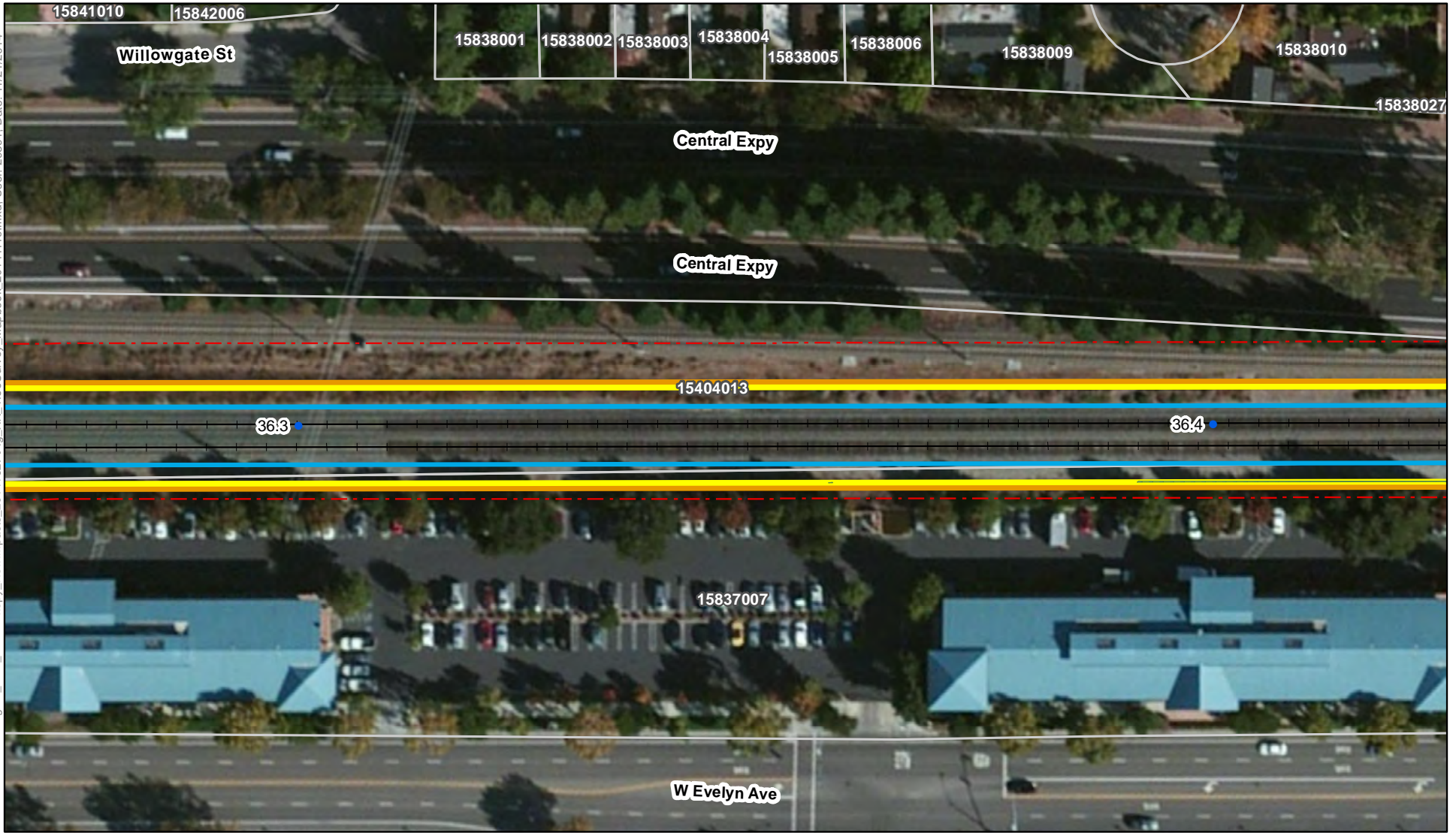
- Track Mile Post
 - - - JPB Right of Way
 - + Tracks
 - Parcel
 - OCS (outer pole alignment)
 - ESZ - 21'/18' offset
 - ESZ - 24' offset
 - Tree Canopy within ESZ*
- Tree Impact **
 - No Impact
 - 50% Prune
 - Prune
 - 25% Remove
 - 50% Remove
 - Remove

Preliminary PCEP OCS/ESZ/Tree Impact Maps
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- - - JPB Right of Way
- + Tracks
- Parcel
- OCS (outer pole alignment)
- ESZ - 21'/18' offset
- ESZ - 24' offset
- ▨ Tree Canopy within ESZ*

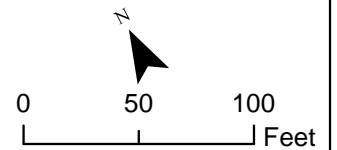
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- No Impact
 - 50% Prune
 - Prune
 - 25% Remove
 - 50% Remove
 - Remove

Preliminary PCEP OCS/ESZ/Tree Impact Maps

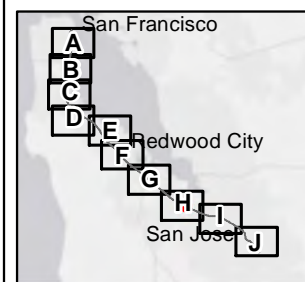
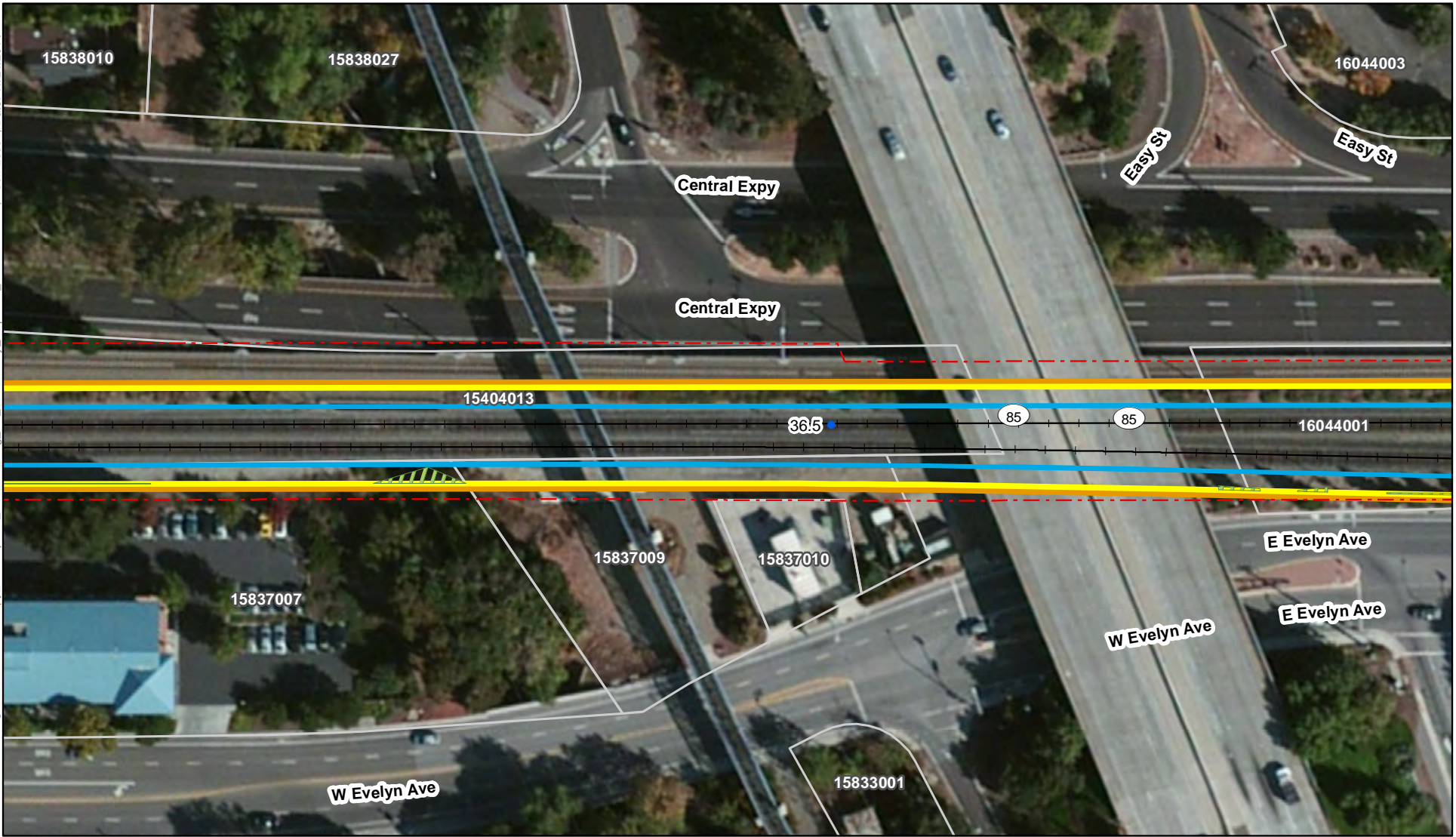
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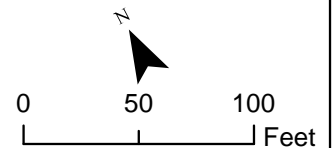


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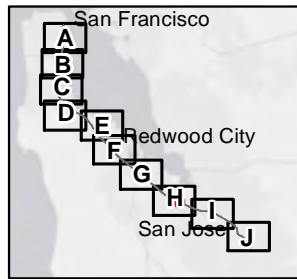
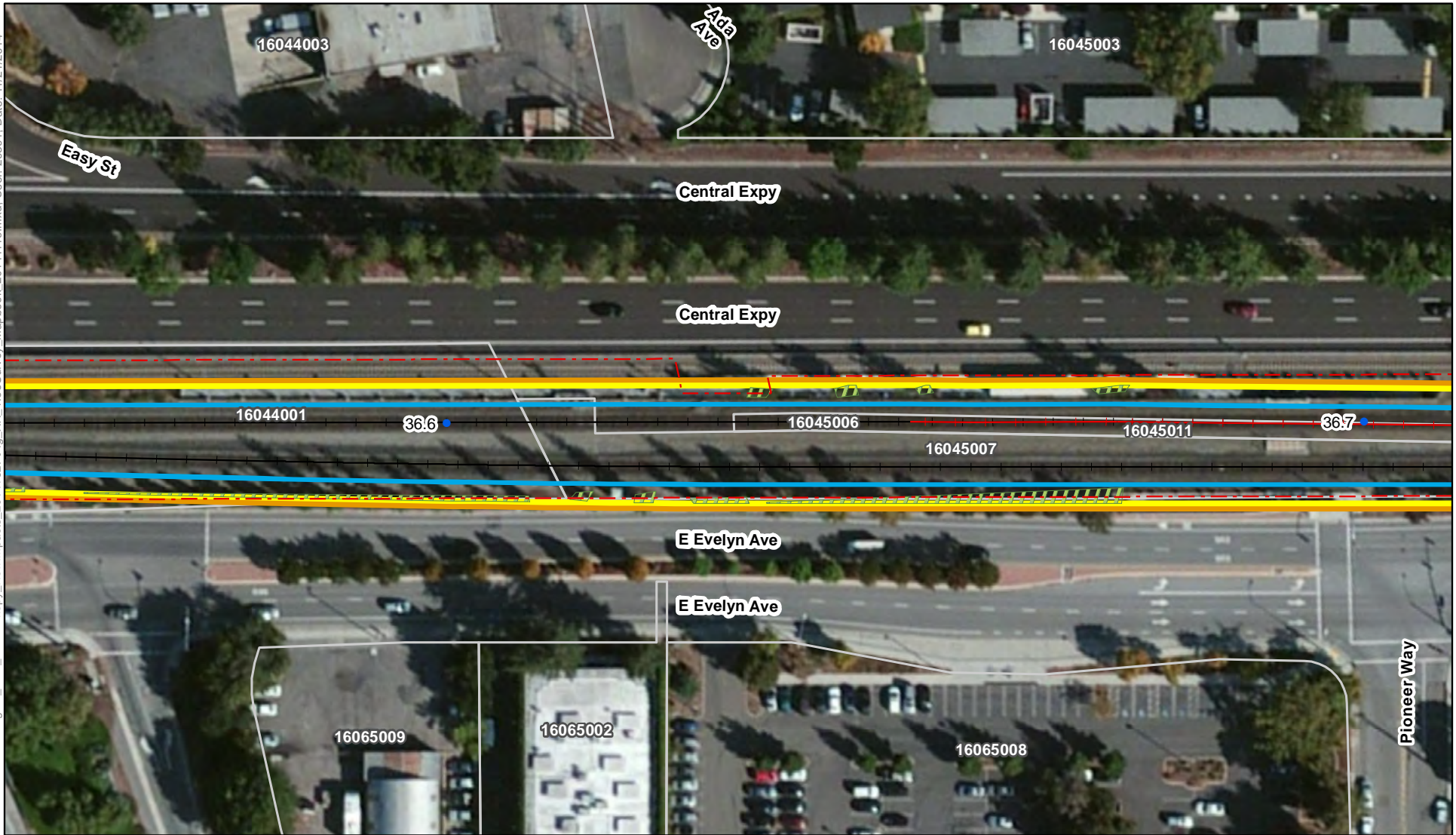
- Track Mile Post
- - - JPB Right of Way
- + Tracks
- Parcel
- OCS (outer pole alignment)
- ESZ - 21'/18' offset
- ESZ - 24' offset
- ▨ Tree Canopy within ESZ*

- Tree Impact ****
- No Impact
 - 50% Prune
 - Prune
 - 25% Remove
 - 50% Remove
 - Remove

Preliminary PCEP OCS/ESZ/Tree Impact Maps



Maps show the ESZ based on preliminary offsets of 21 feet and 18 feet from the outer electrified track centerline in two-track areas and multi-track areas, respectively. The tree impact color coding is based on these default offsets. In some areas, due to curves, other infrastructure, or other design considerations, it may be necessary to have an ESZ up to 24 feet which is also shown in the maps.



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- ESZ - 24' offset
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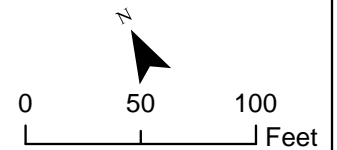
- Tree Impact ****
- No Impact
 - 50% Prune
 - Prune
 - 25% Remove
 - 50% Remove
 - Remove

Preliminary PCEP OCS/ESZ/Tree Impact Maps

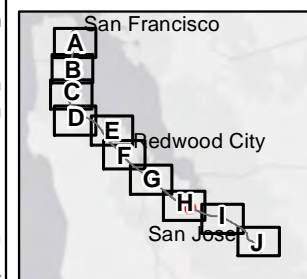
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Mountain View, Santa Clara County



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- ESZ - 21'/18' offset
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- Tree Canopy within ESZ*

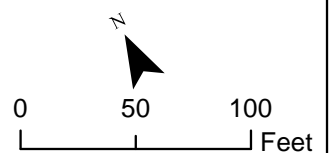
- Tree Impact ****
- No Impact
 - 50% Prune
 - Prune
 - 25% Remove
 - 50% Remove
 - Remove

Preliminary PCEP OCS/ESZ/Tree Impact Maps

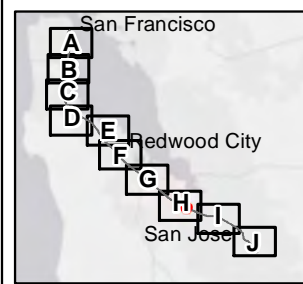
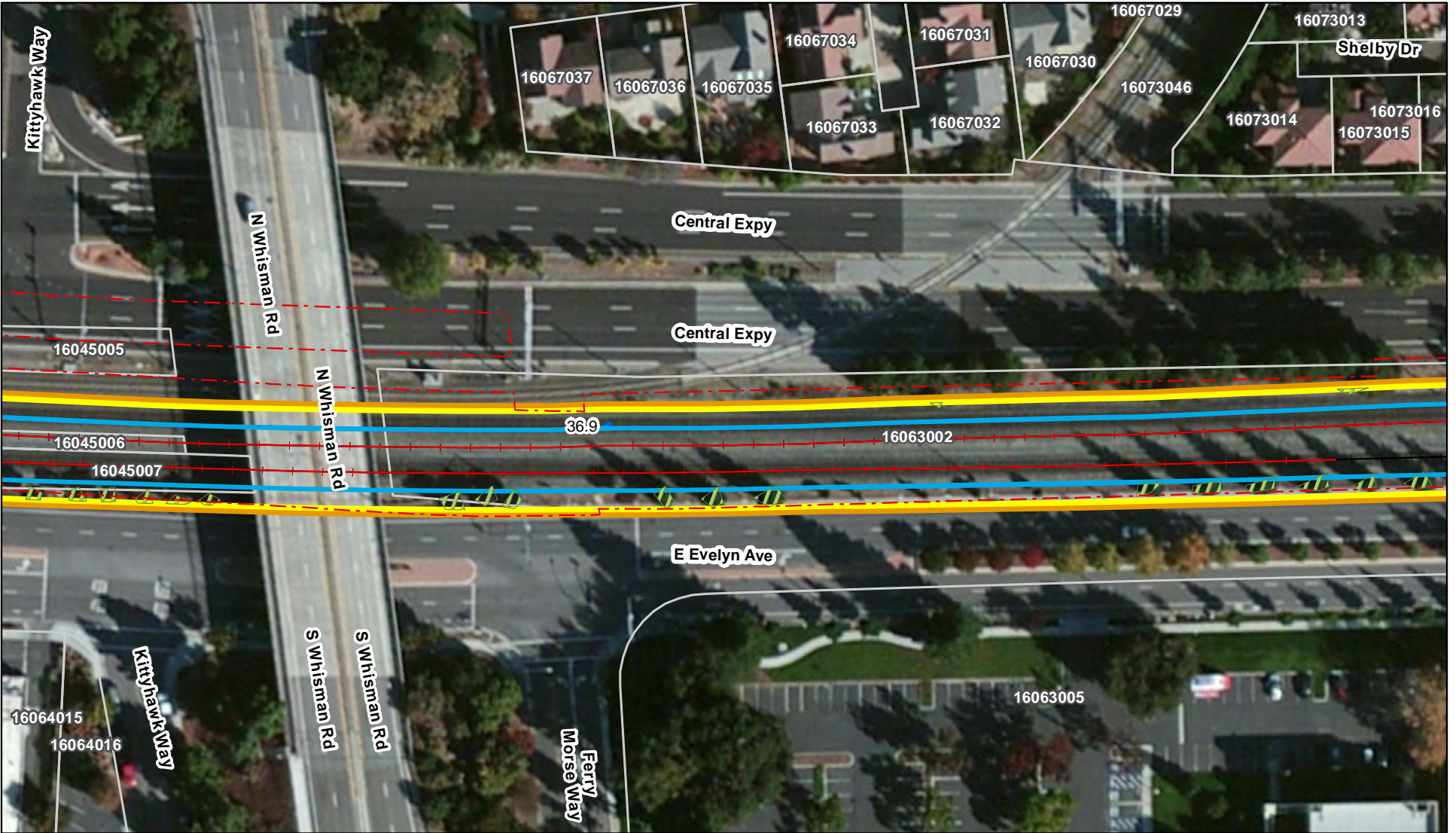
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Mountain View, Santa Clara County



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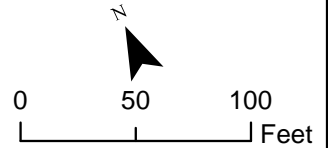
- Track Mile Post
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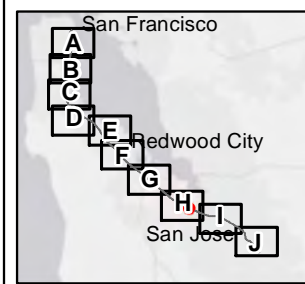
Preliminary PCEP OCS/ESZ/Tree Impact Maps

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Mountain View, Santa Clara County



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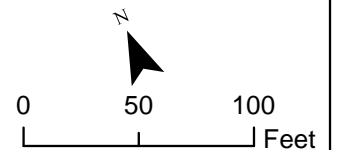


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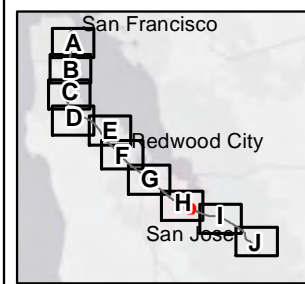
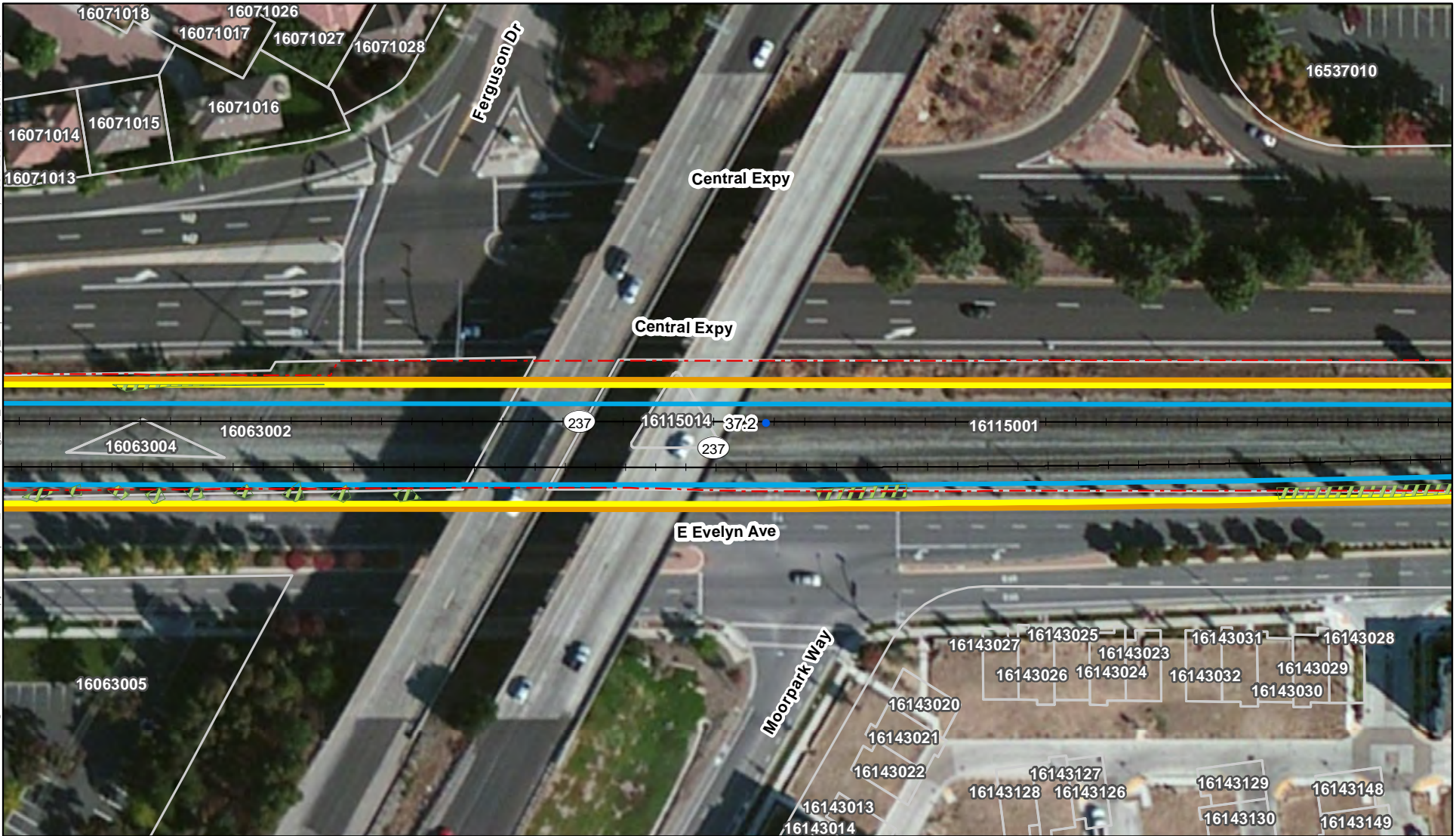
- Track Mile Post
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Preliminary PCEP OCS/ESZ/Tree Impact Maps



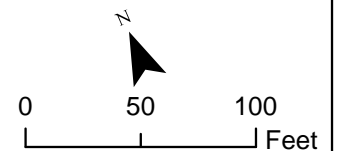
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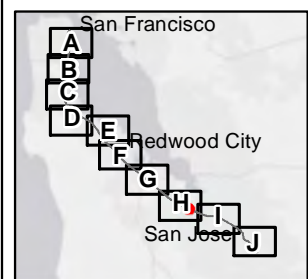
- Track Mile Post
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 - ESZ - 21'/18' offset
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- Tree Impact **
 - No Impact
 - 50% Prune
 - Prune
 - 25% Remove
 - 50% Remove
 - Remove

Preliminary PCEP OCS/ESZ/Tree Impact Maps
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 Mountain View, Santa Clara County



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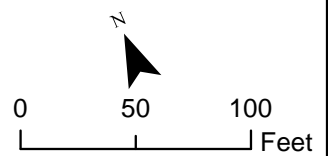


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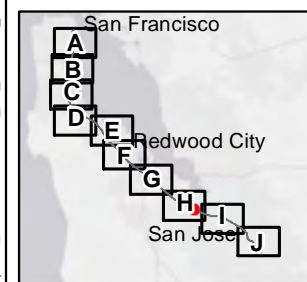
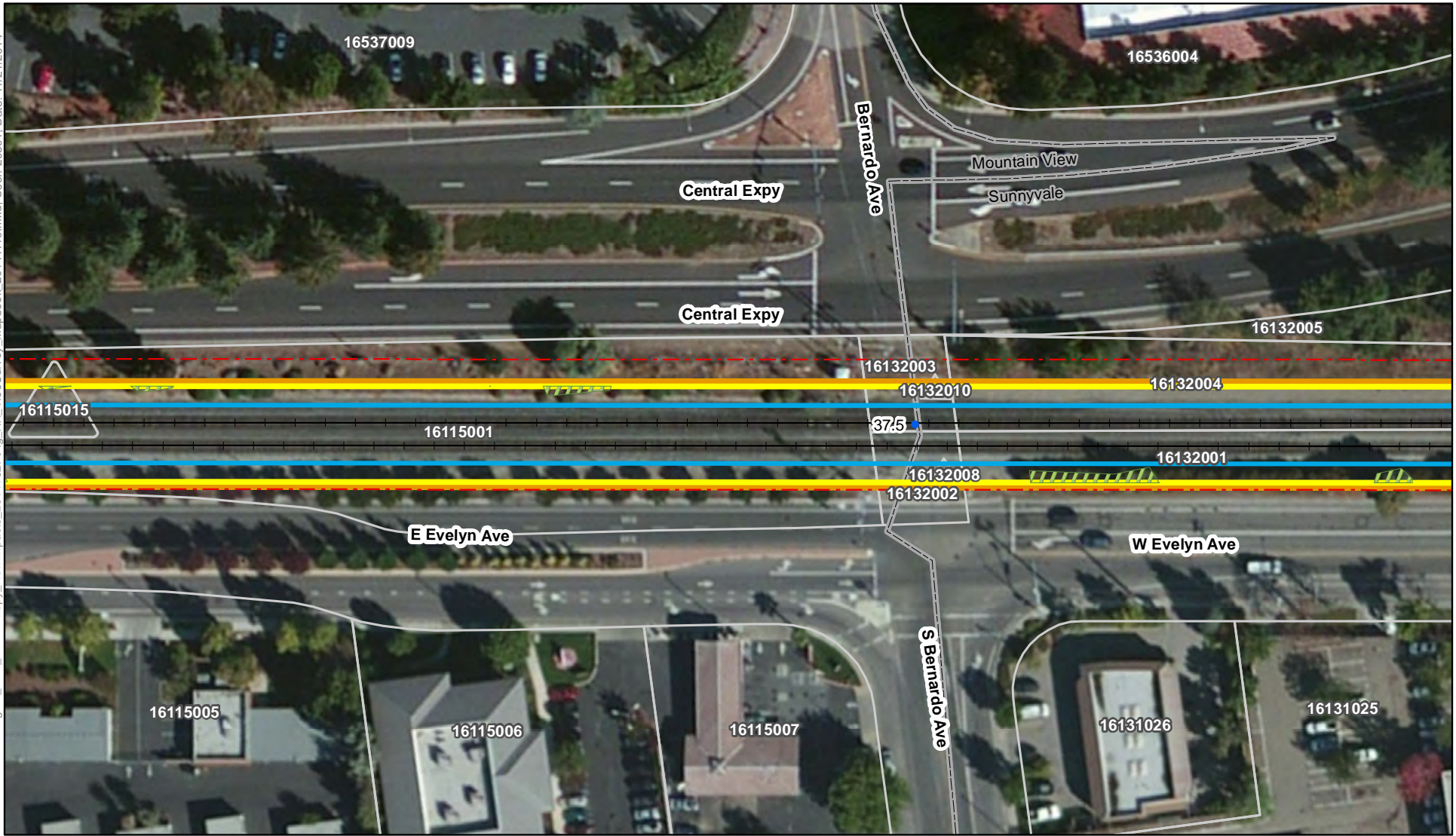
- Track Mile Post
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 - 50% Prune
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Grid Index: H
 Mountain View, Santa Clara County



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 - 50% Prune
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 - Remove

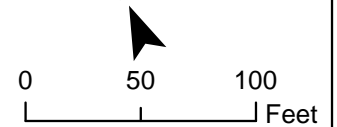
Preliminary PCEP OCS/ESZ/Tree Impact Maps

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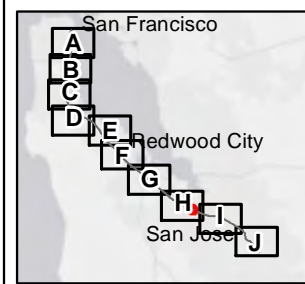
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Mountain View, Santa Clara County

Sunnyvale, Santa Clara County



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- ▨ Tree Canopy within ESZ*

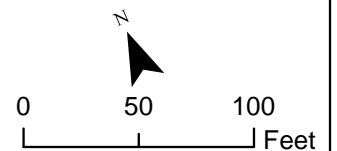
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 - Remove

Preliminary PCEP OCS/ESZ/Tree Impact Maps

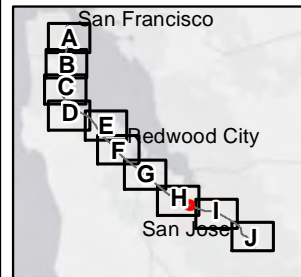
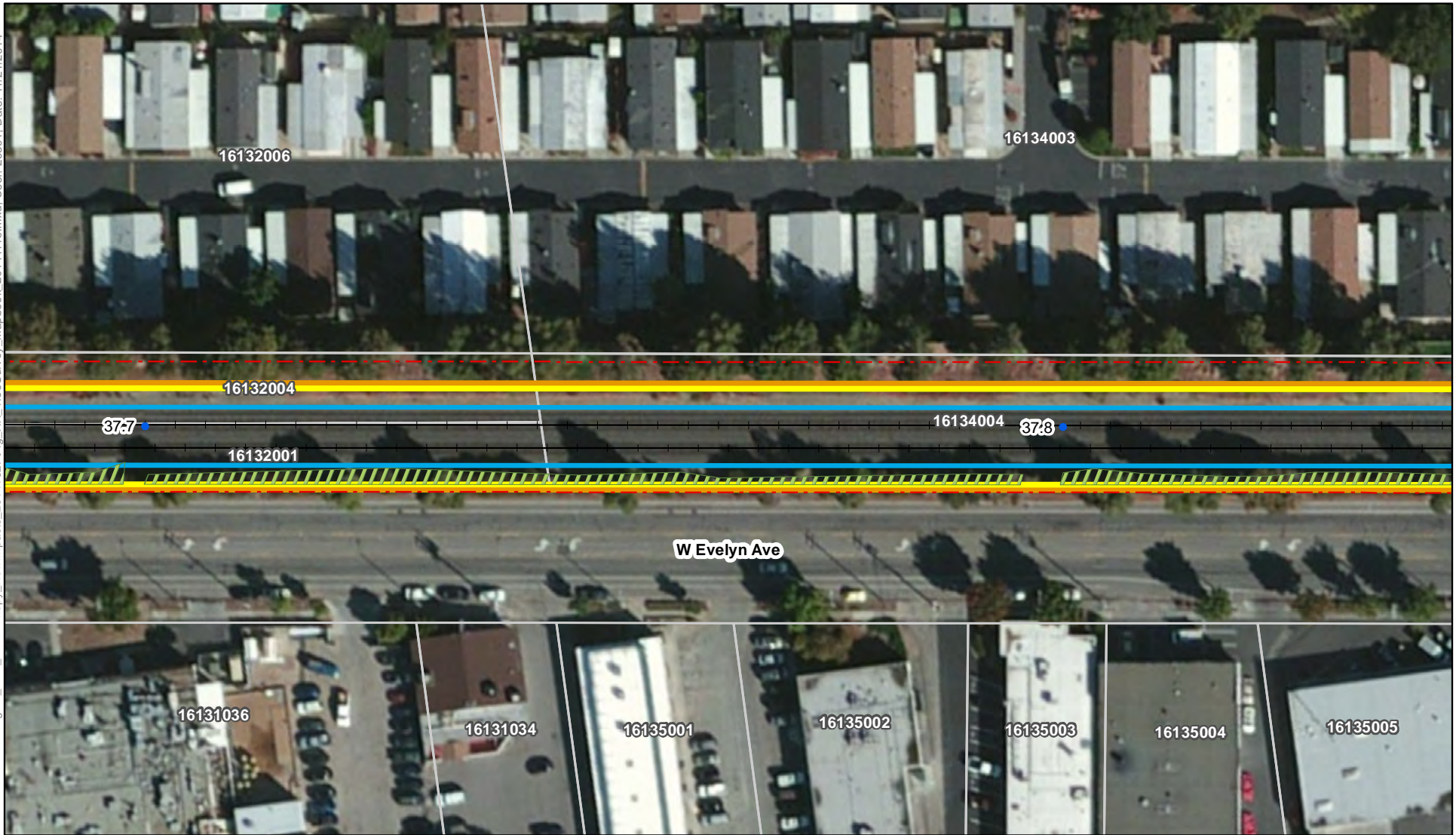
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Sunnyvale, Santa Clara County



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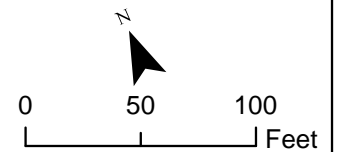


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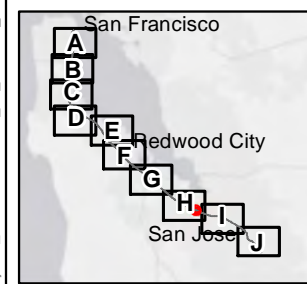
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- Tree Impact ****
- No Impact
 - 50% Prune
 - Prune
 - 25% Remove
 - 50% Remove
 - Remove

Preliminary PCEP OCS/ESZ/Tree Impact Maps
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 Sunnyvale, Santa Clara County



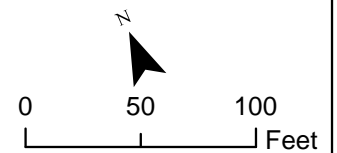
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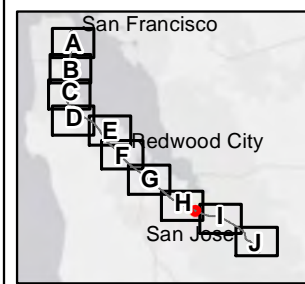
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Preliminary PCEP OCS/ESZ/Tree Impact Maps
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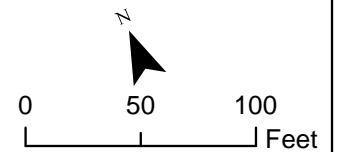


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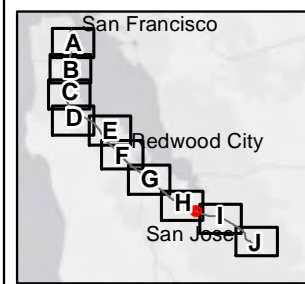
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Preliminary PCEP OCS/ESZ/Tree Impact Maps
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 Sunnyvale, Santa Clara County



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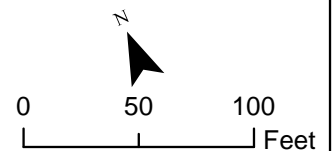
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Preliminary PCEP OCS/ESZ/Tree Impact Maps

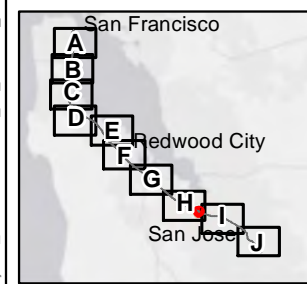
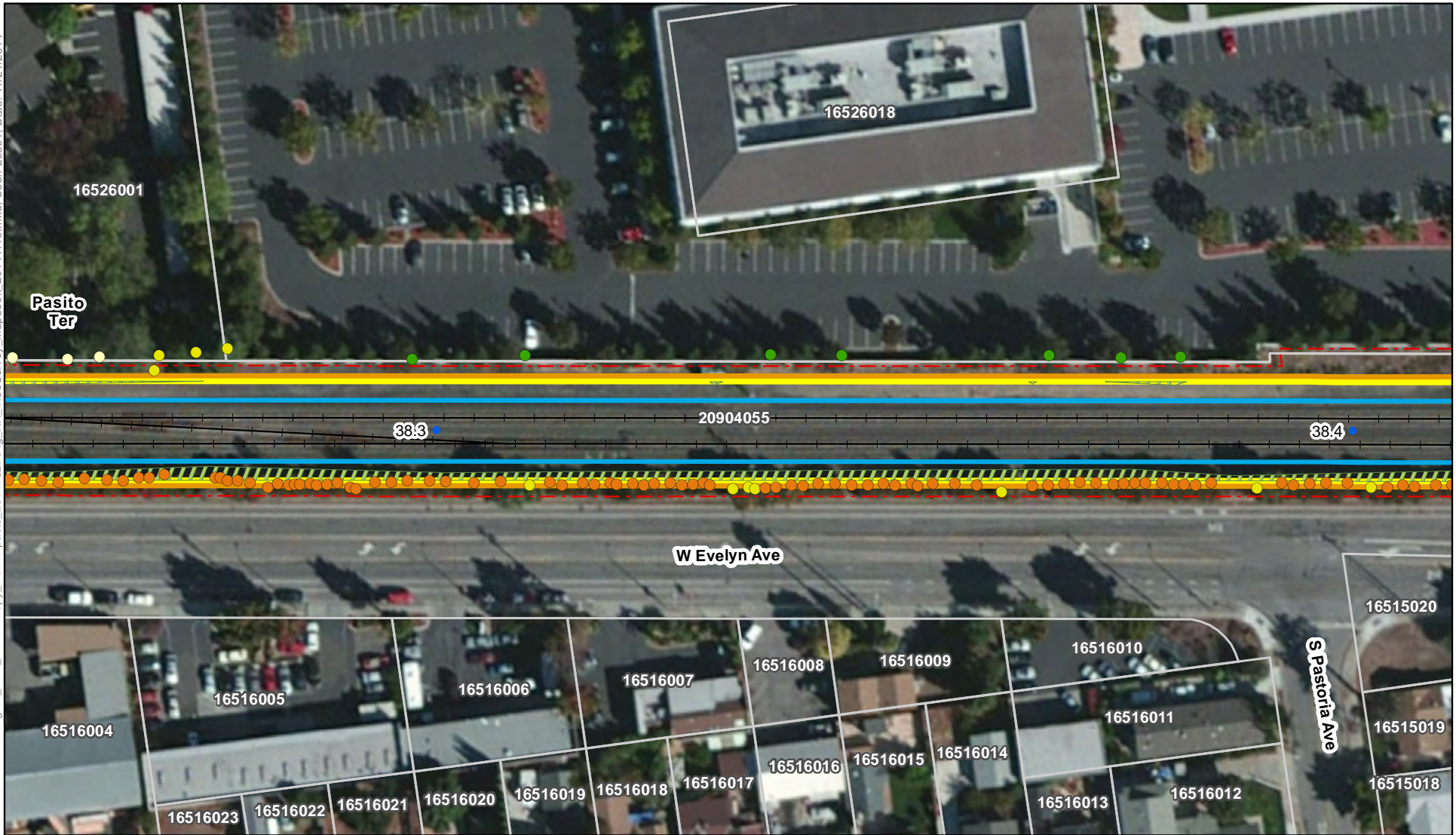
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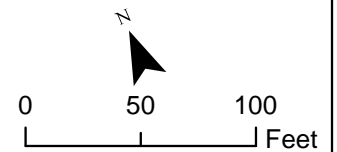


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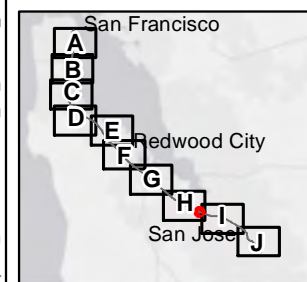
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Preliminary PCEP OCS/ESZ/Tree Impact Maps
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 Sunnyvale, Santa Clara County



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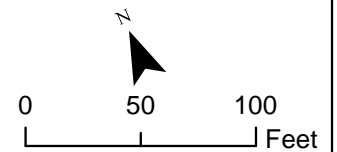


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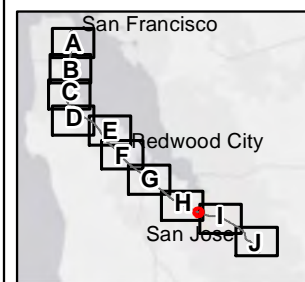
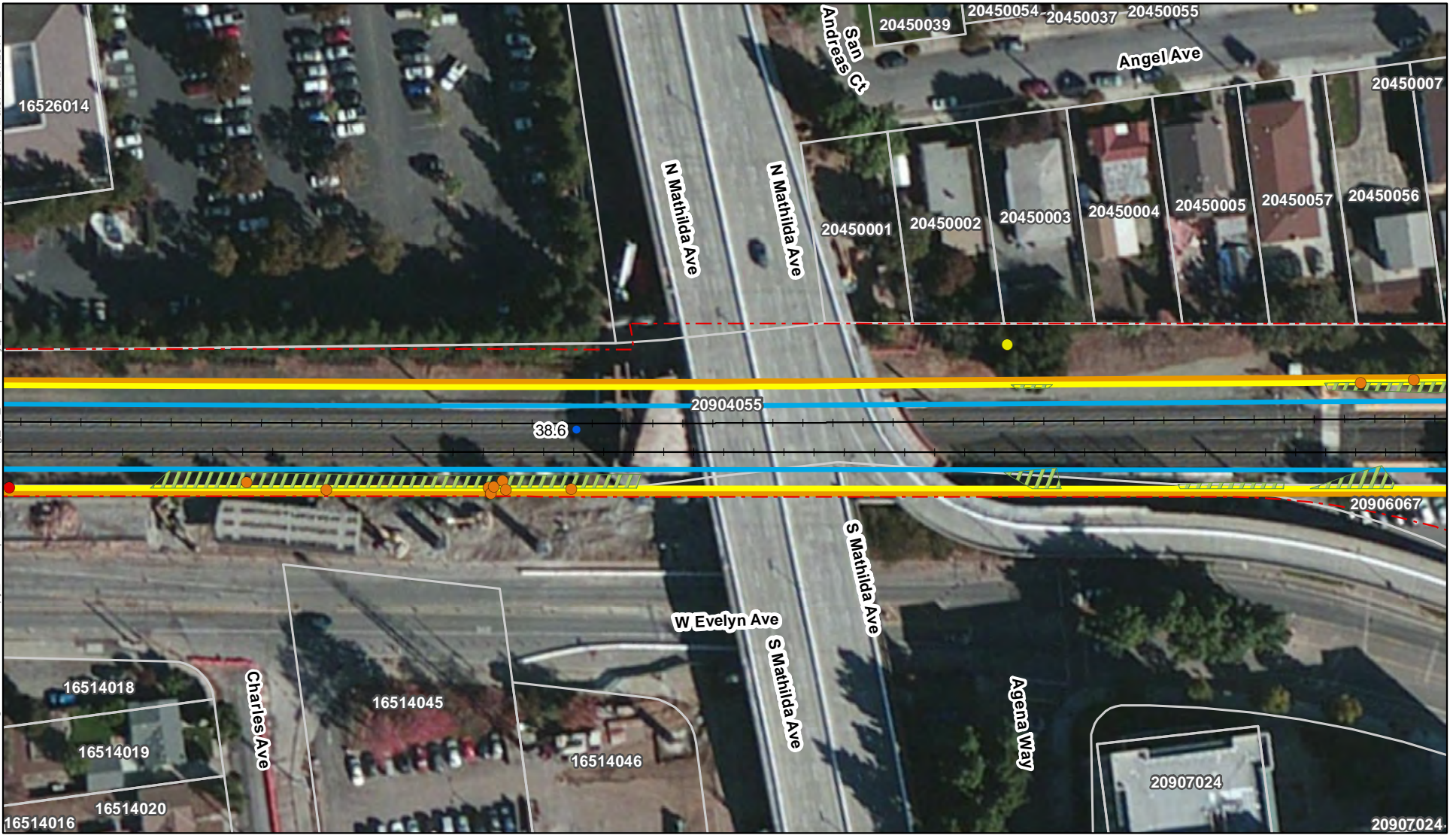
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Preliminary PCEP OCS/ESZ/Tree Impact Maps
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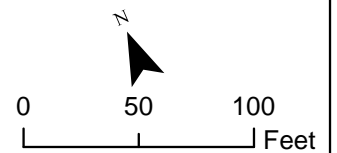
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Preliminary PCEP OCS/ESZ/Tree Impact Maps

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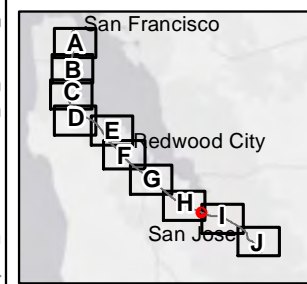
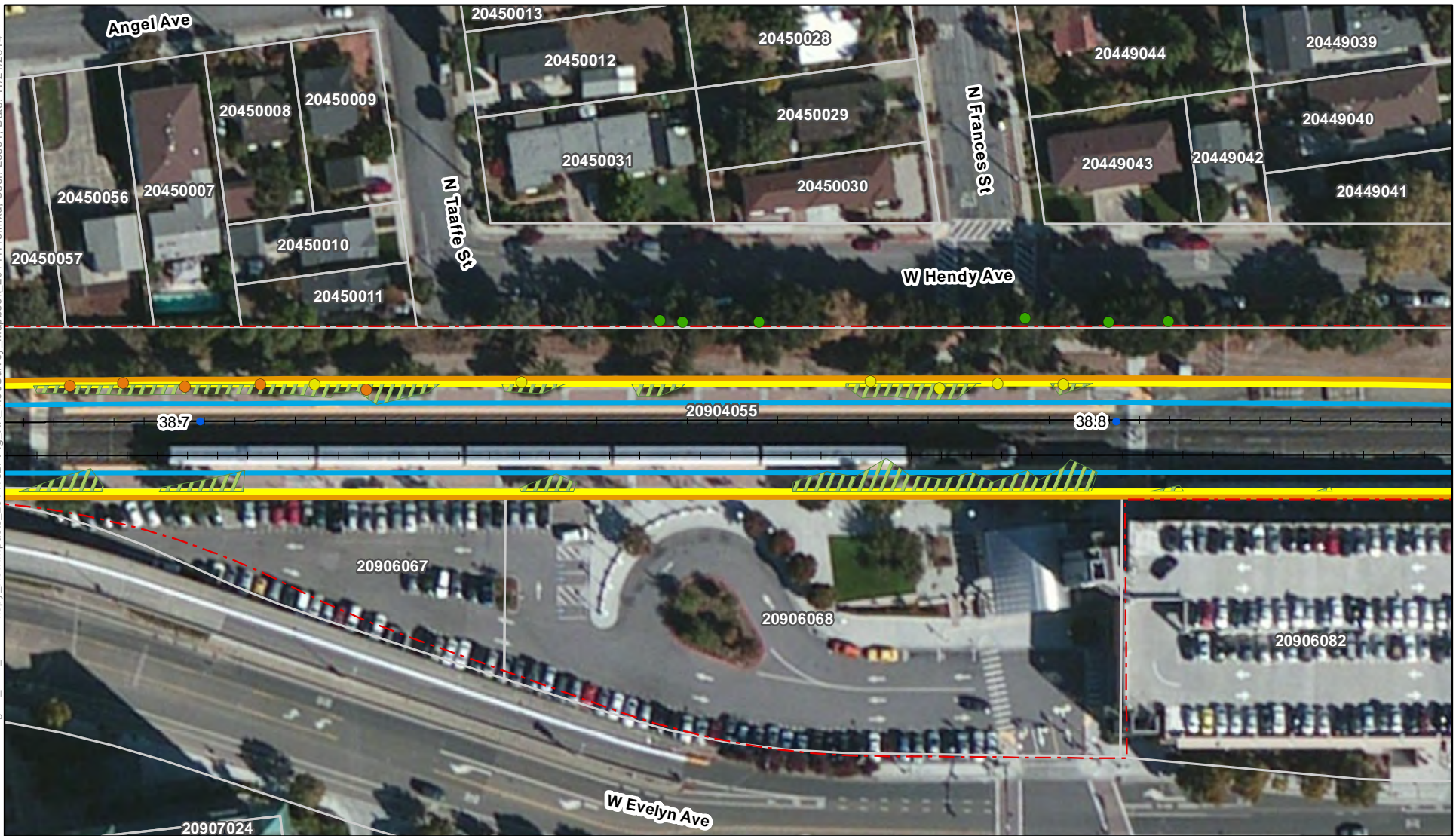
Grid Index: H

Sunnyvale, Santa Clara County



Maps show the ESZ based on preliminary offsets of 21 feet and 18 feet from the outer electrified track centerline in two-track areas and multi-track areas, respectively. The tree impact color coding is based on these default offsets. In some areas, due to curves, other infrastructure, or other design considerations, it may be necessary to have an ESZ up to 24 feet which is also shown in the maps.

Path: K:\Projects_3\Caltrain_MoDerization\data\working\40_ESZ_TreeCanopy_NewImpacts_20141027\Fig_XX_TreeSurvey_Mapbook_20141119.mxd; User: 29391; Date: 11/21/2014

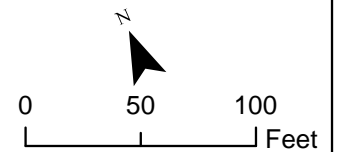


Notes:
 * Tree canopy was determined from NAIP 2009 data.
 ** Trees with a chance of removal would be trimmed if they are not removed. Images show shadows of existing trees and structures which are not meant to be mistaken for tree canopy.
 For restrictions on use of parcel data see the Notes section of the index map.

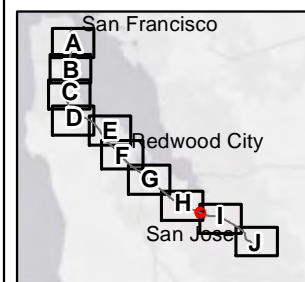
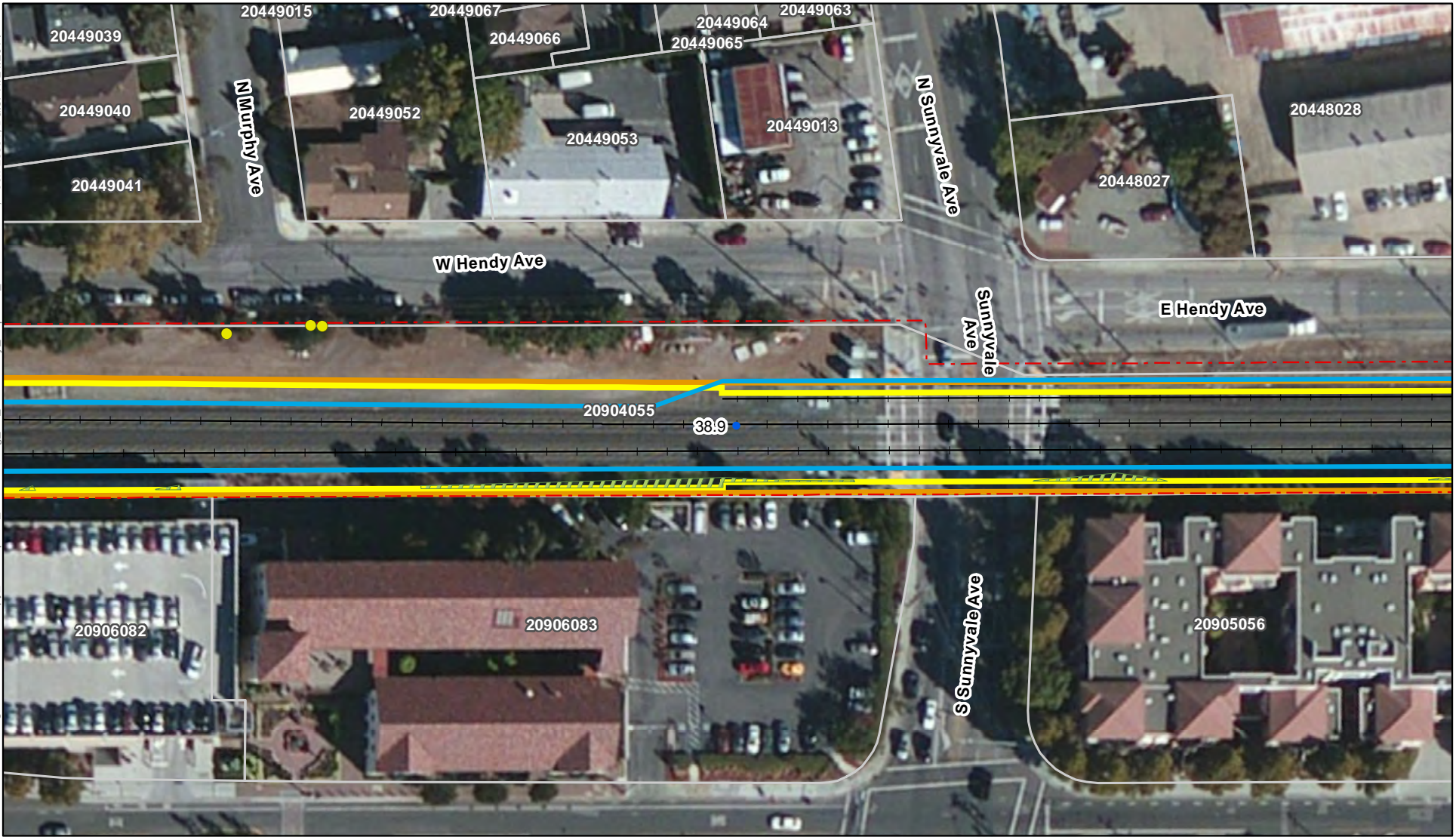
- Track Mile Post
- - - JPB Right of Way
- + Tracks
- Parcel
- OCS (outer pole alignment)
- ESZ - 21'/18' offset
- ESZ - 24' offset
- ▨ Tree Canopy within ESZ*

- Tree Impact ****
- No Impact
 - 50% Prune
 - Prune
 - 25% Remove
 - 50% Remove
 - Remove

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 Grid Index: H and I
 Sunnyvale, Santa Clara County



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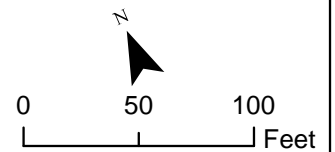


Notes:
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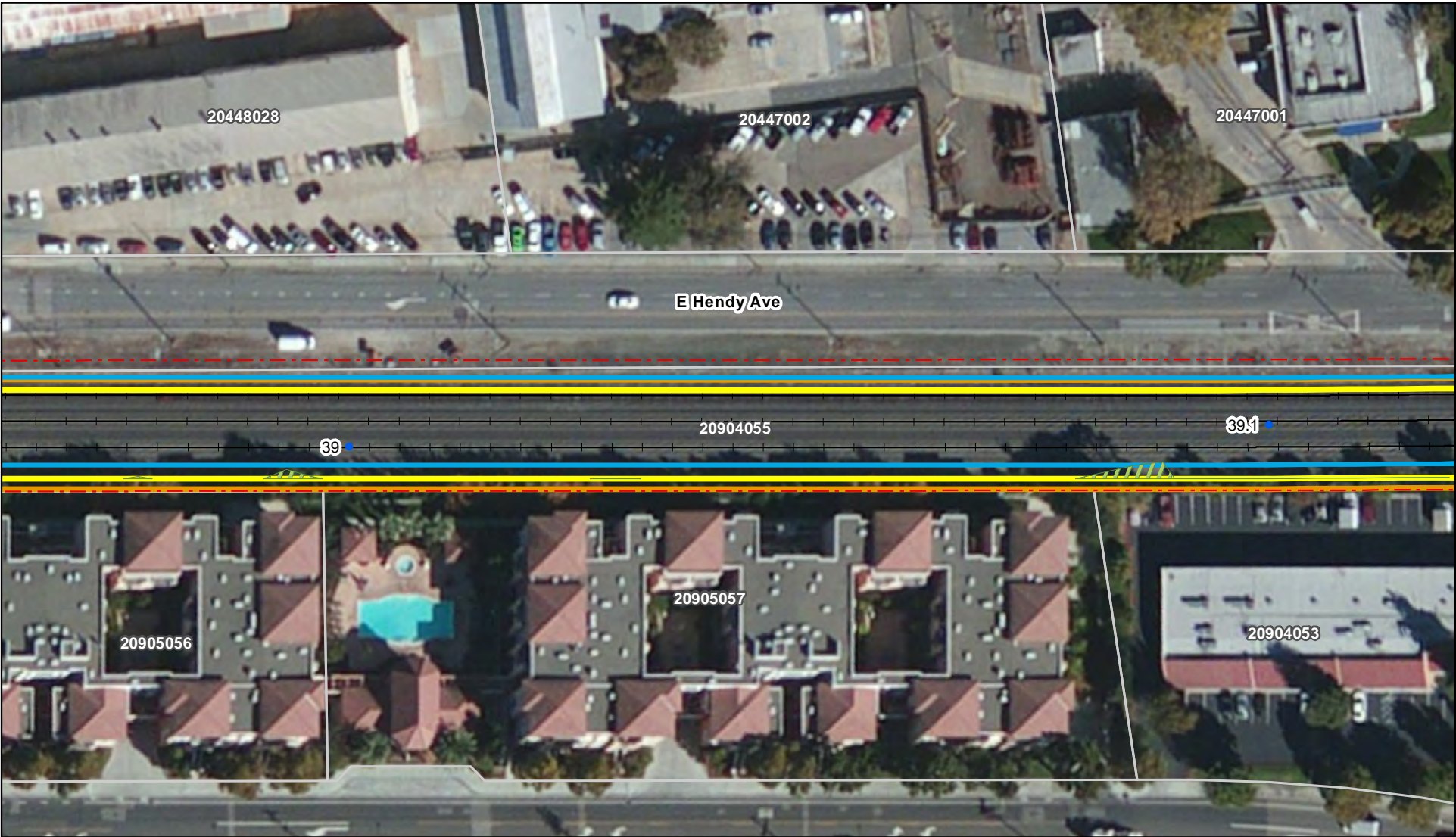
- Track Mile Post
- - - JPB Right of Way
- + Tracks
- Parcel
- OCS (outer pole alignment)
- ESZ - 21'/18' offset
- ESZ - 24' offset
- ▨ Tree Canopy within ESZ*

- Tree Impact ****
- No Impact
 - 50% Prune
 - Prune
 - 25% Remove
 - 50% Remove
 - Remove

Preliminary PCEP OCS/ESZ/Tree Impact Maps
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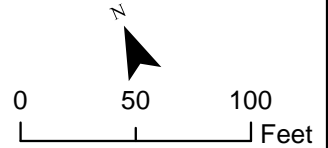


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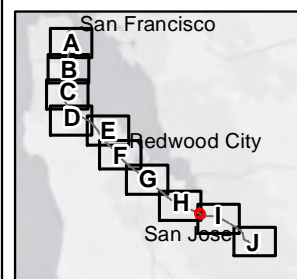
- Track Mile Post
- - - JPB Right of Way
- + Tracks
- Parcel
- OCS (outer pole alignment)
- ESZ - 21'/18' offset
- ESZ - 24' offset
- ▨ Tree Canopy within ESZ*

- Tree Impact ****
- No Impact
 - 50% Prune
 - Prune
 - 25% Remove
 - 50% Remove
 - Remove

Preliminary PCEP OCS/ESZ/Tree Impact Maps
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 Sunnyvale, Santa Clara County



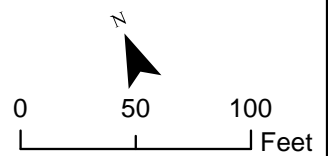
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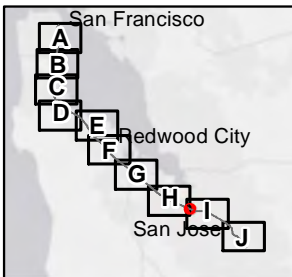
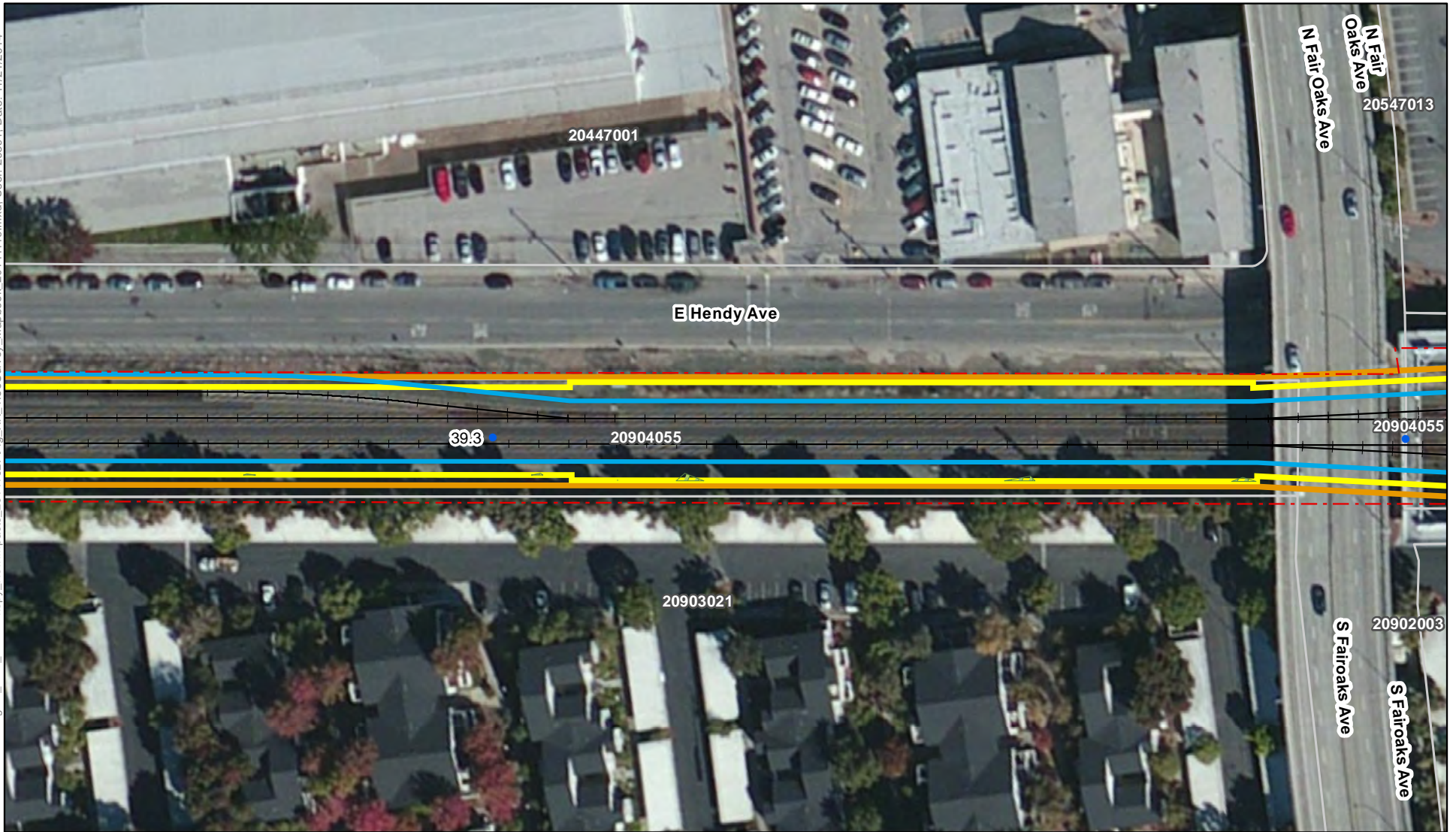
Notes:
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 - + Tracks
 - Parcel
 - OCS (outer pole alignment)
 - ESZ - 21'/18' offset
 - ESZ - 24' offset
 - Tree Canopy within ESZ*
- Tree Impact **
 - No Impact
 - 50% Prune
 - Prune
 - 25% Remove
 - 50% Remove
 - Remove

Preliminary PCEP OCS/ESZ/Tree Impact Maps
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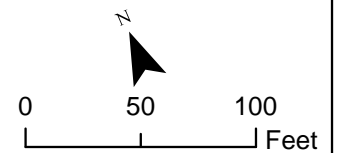


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Maps show the ESZ based on preliminary offsets of 21 feet and 18 feet from the outer electrified track centerline in two-track areas and multi-track areas, respectively. The tree impact color coding is based on these default offsets. In some areas, due to curves, other infrastructure, or other design considerations, it may be necessary to have an ESZ up to 24 feet which is also shown in the maps.

