

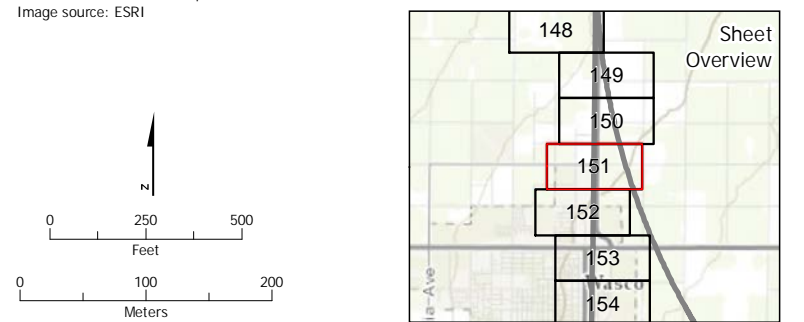
**NOTE: Description of graphics/pictures in this document are all the same. They are described as follows:**

Aerial map showing portion of the project footprint, including alternative alignment, parcels within or intersecting the project footprint for the alignment alternatives, HMFs, station study areas, and other features. Effects shown include temporary and permanent, utilities (natural gas, petroleum, transmission, or water line), systems (interlocking site, radio site, traction power facility), hydrology (canal relocation, drainage basin), and track (access road, rail relations, maintenance of infrastructure).

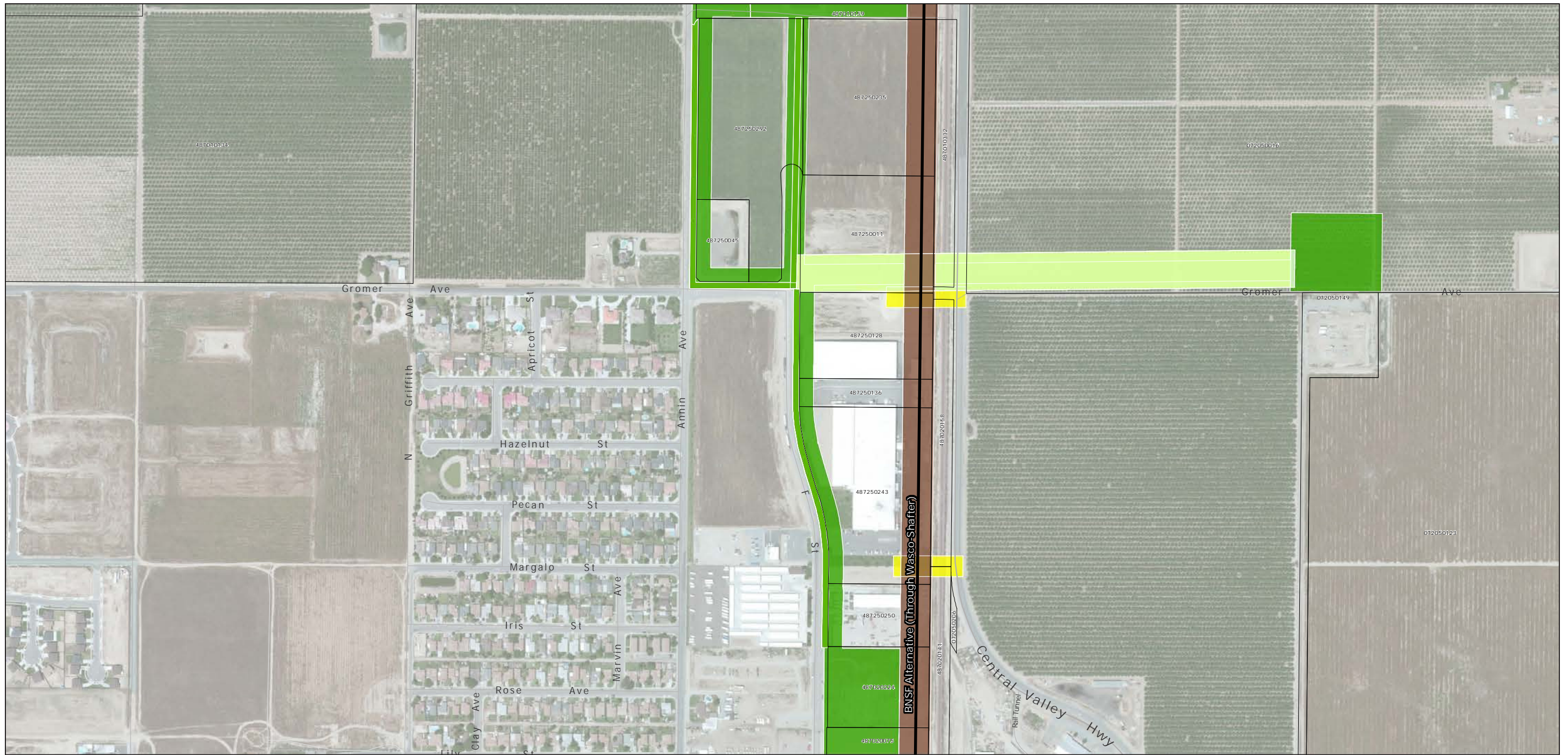


Data source: URS/HMM/Arup JV, 2014  
 Image source: ESRI

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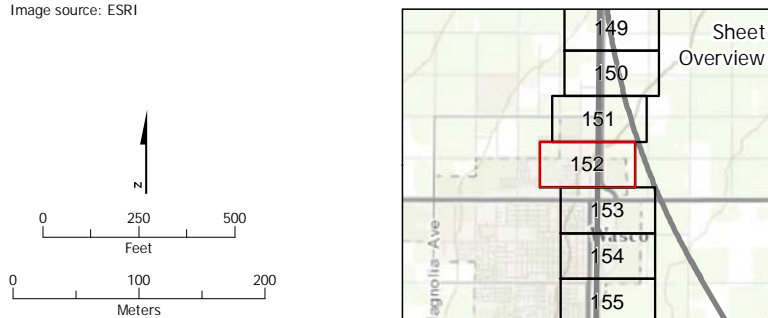


- Alternative alignments
  - Parcel (APN displayed)
  - Heavy maintenance facility
  - Station
- Project footprint by category type**
- Construction area**
    - Temporary
  - Roadway**
    - Permanent (underpass/overpass, access road)
    - Temporary (remove base and surfacing, construction easement)
- Utilities**
- Temporary (Relocation of natural gas, petroleum, transmission, or water line)
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- Track**
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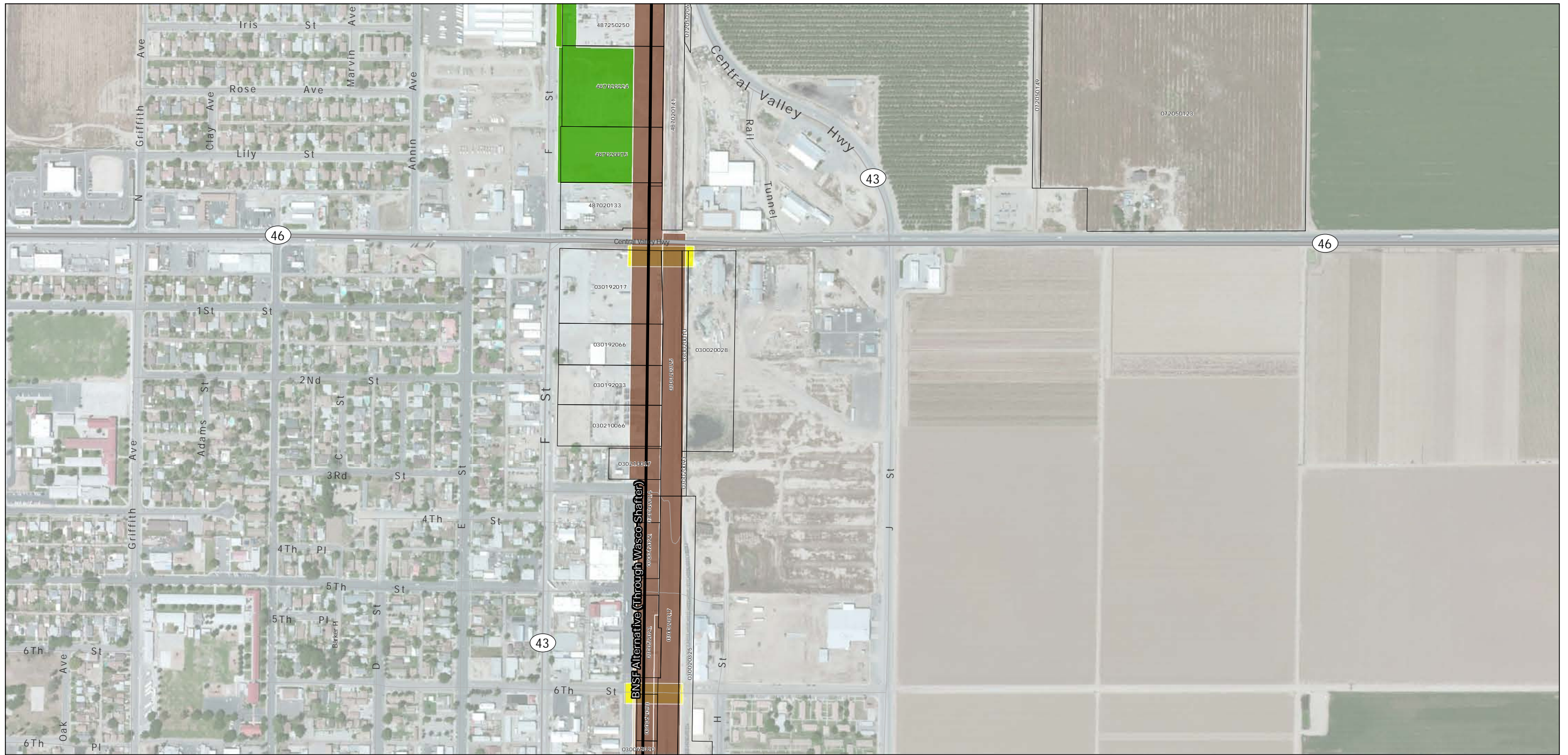


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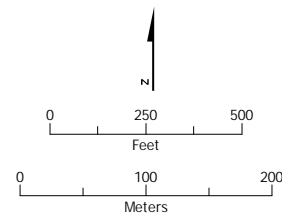
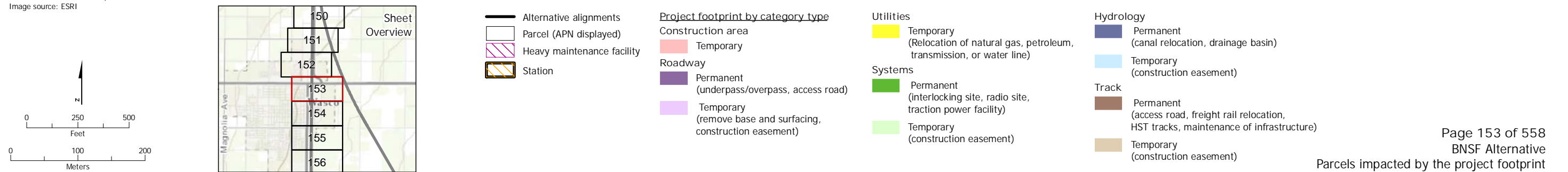
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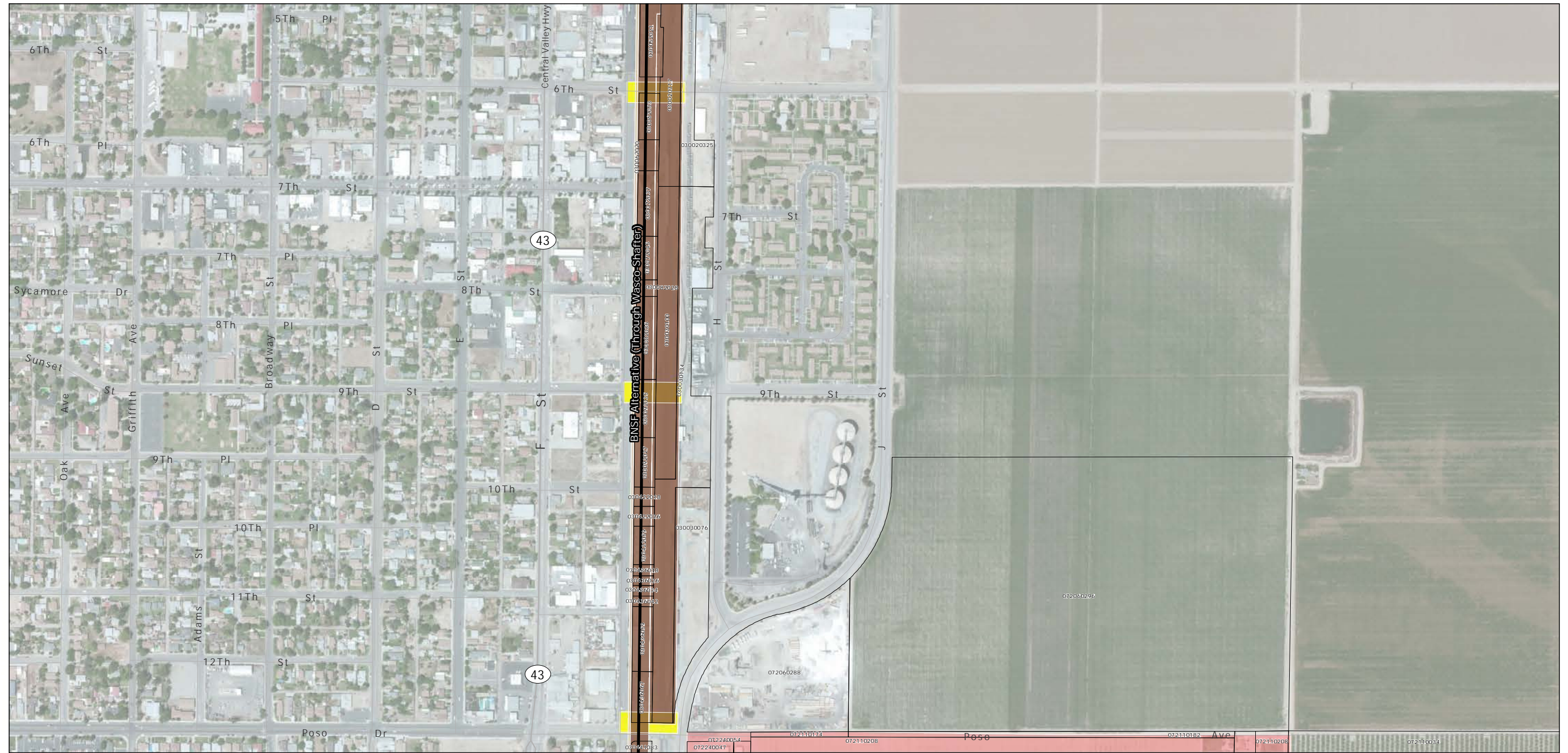
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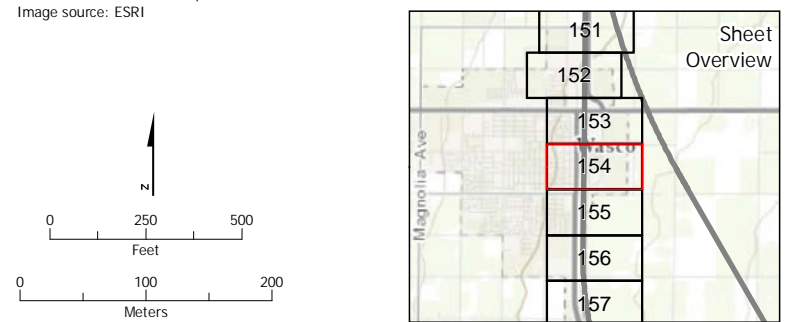
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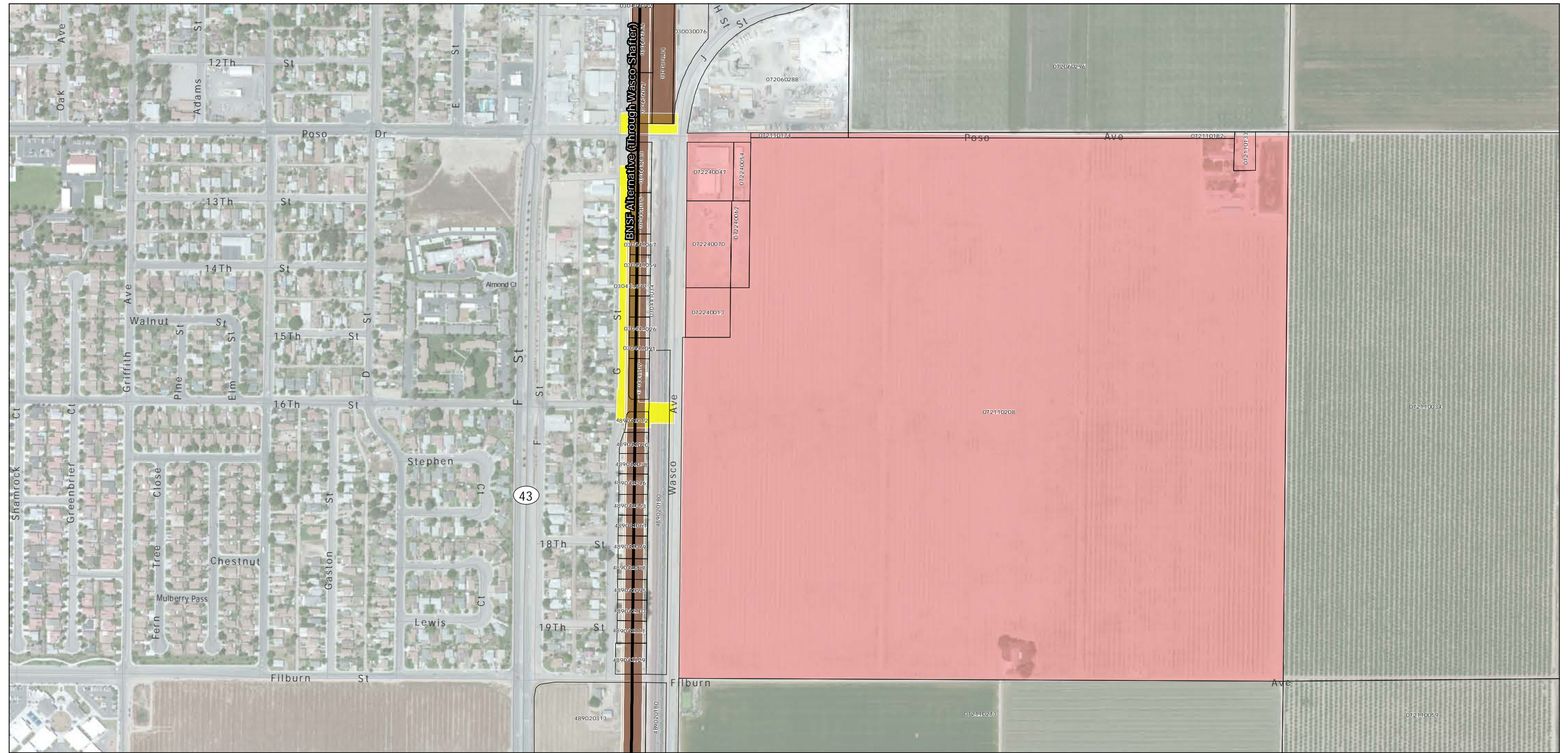


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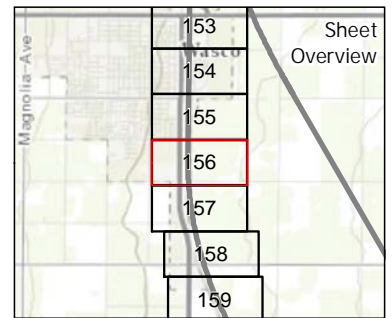
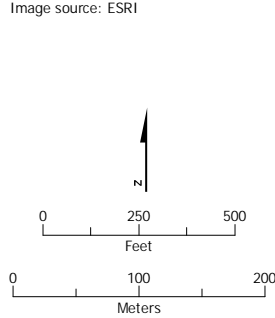


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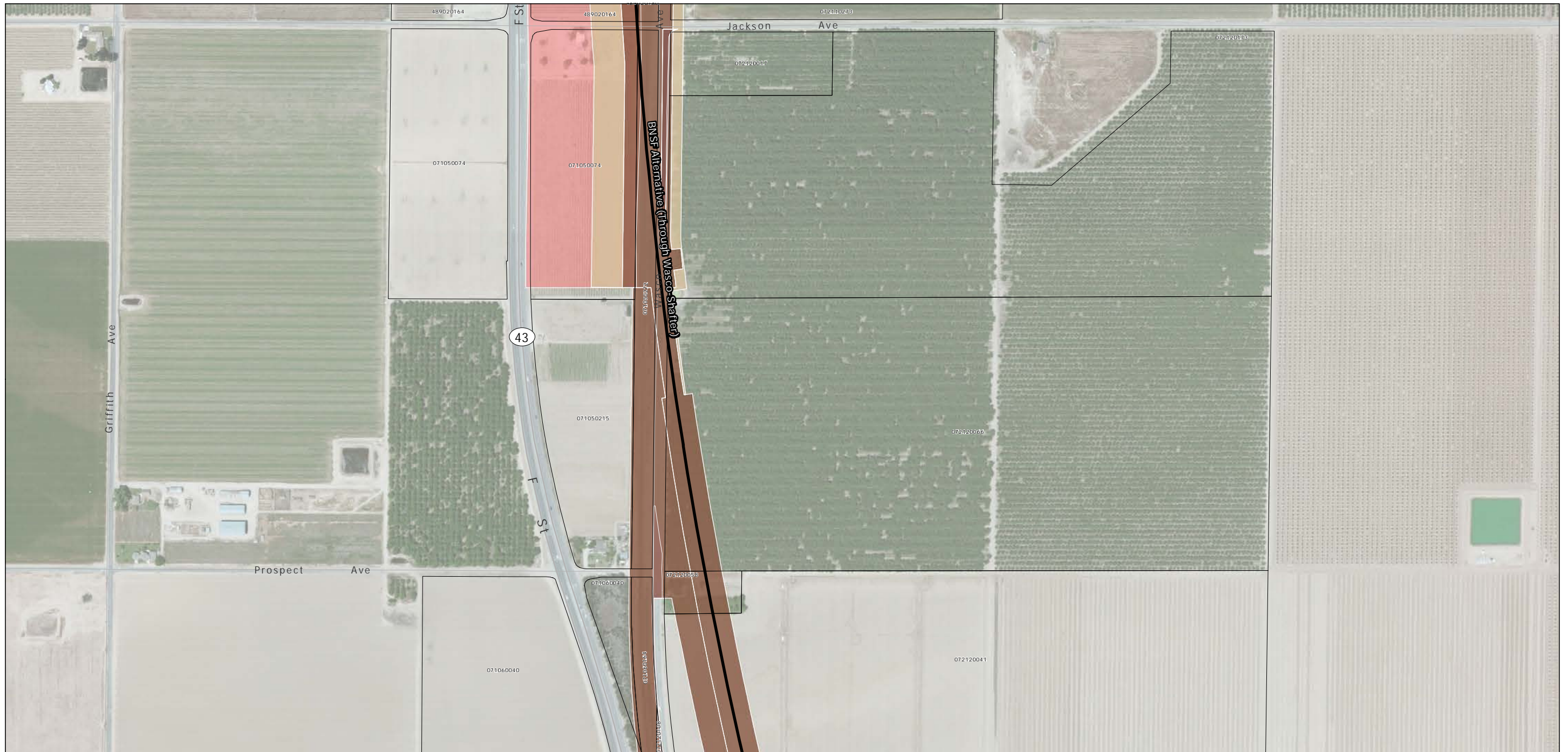


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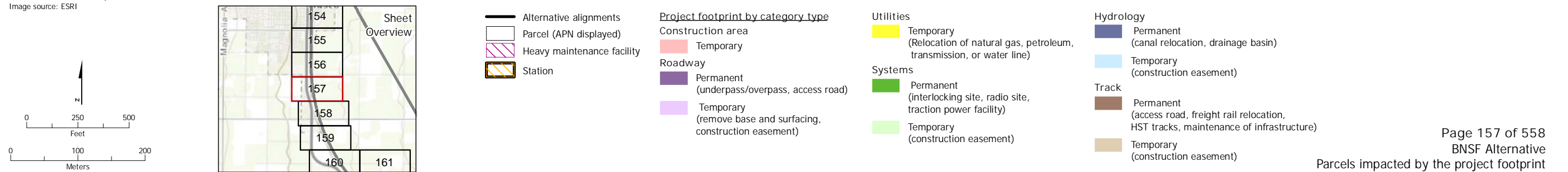


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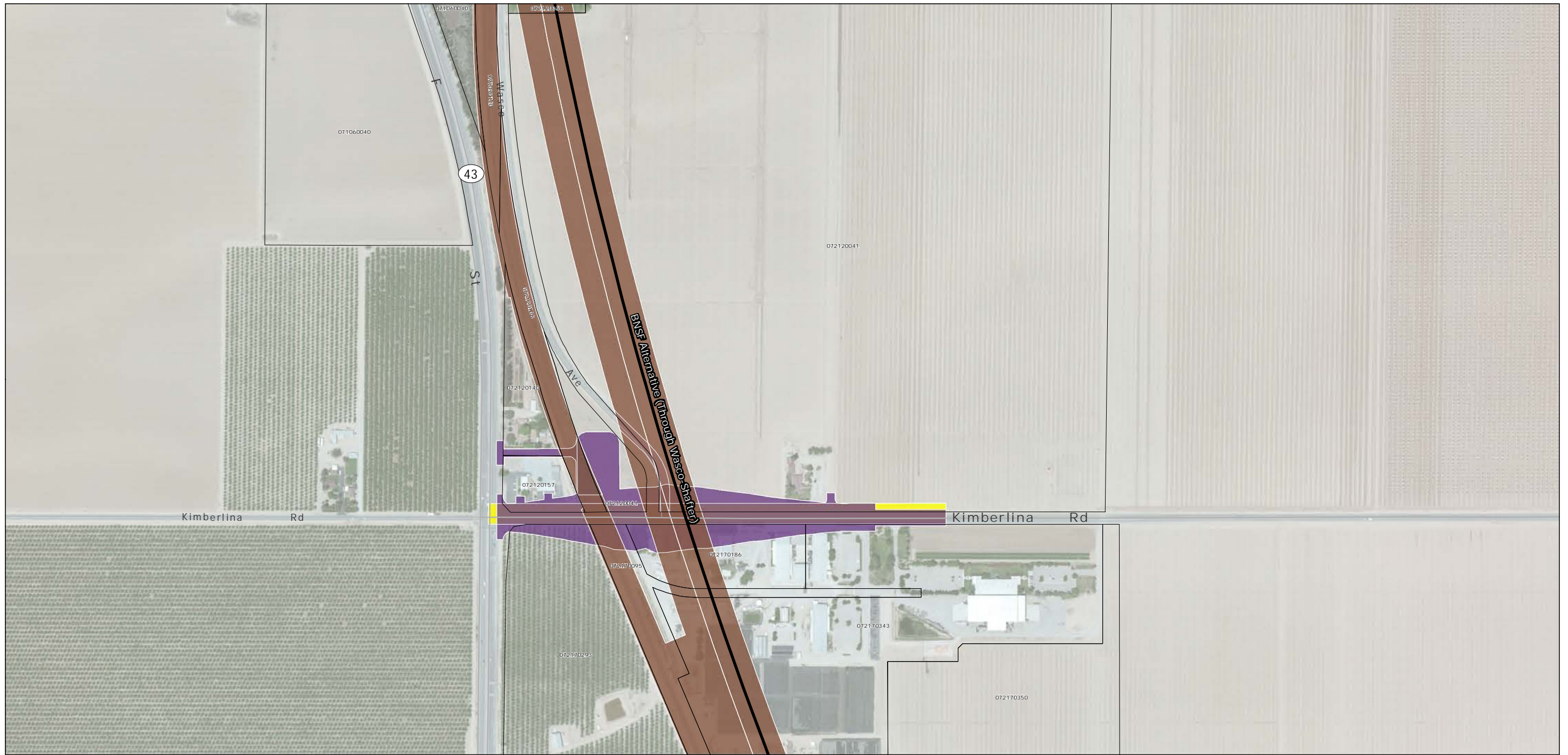


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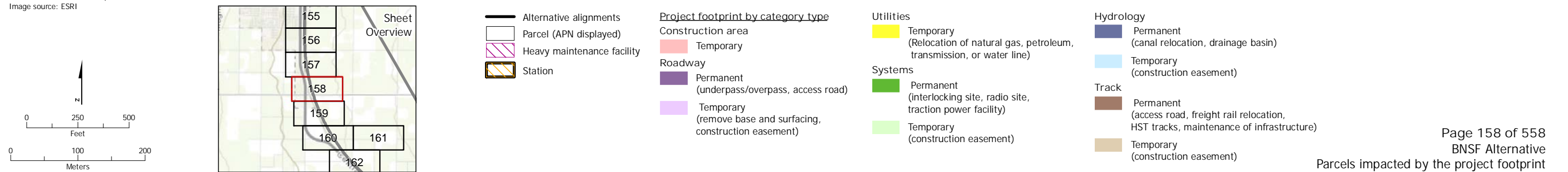






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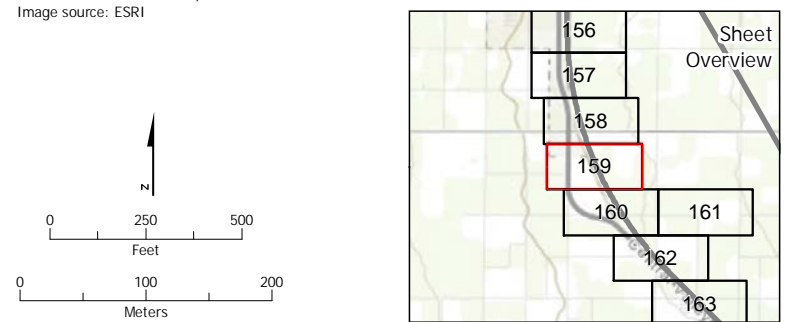
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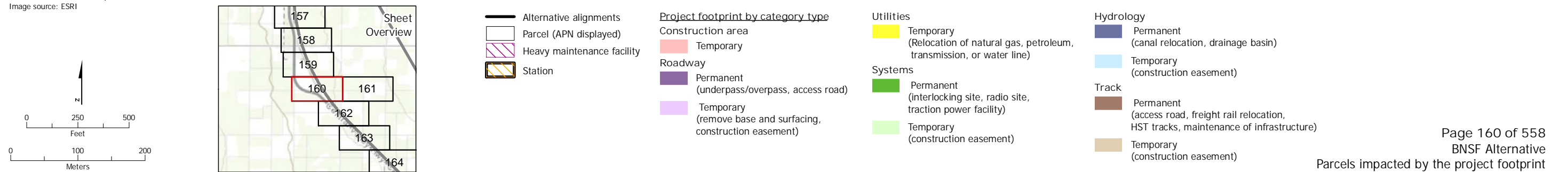


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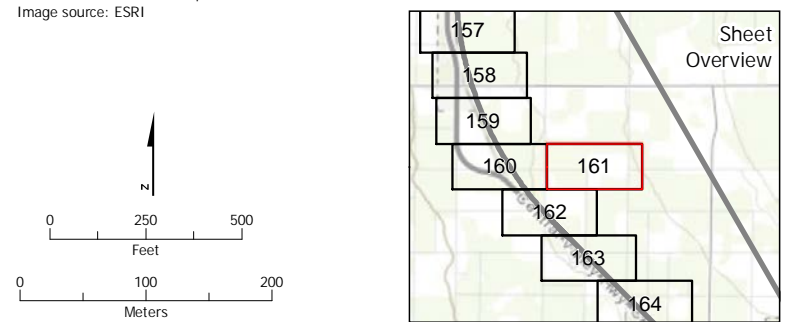
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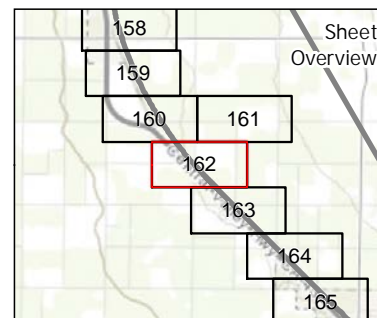
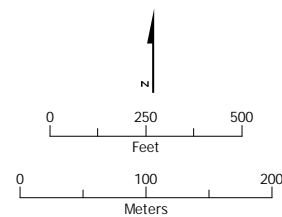


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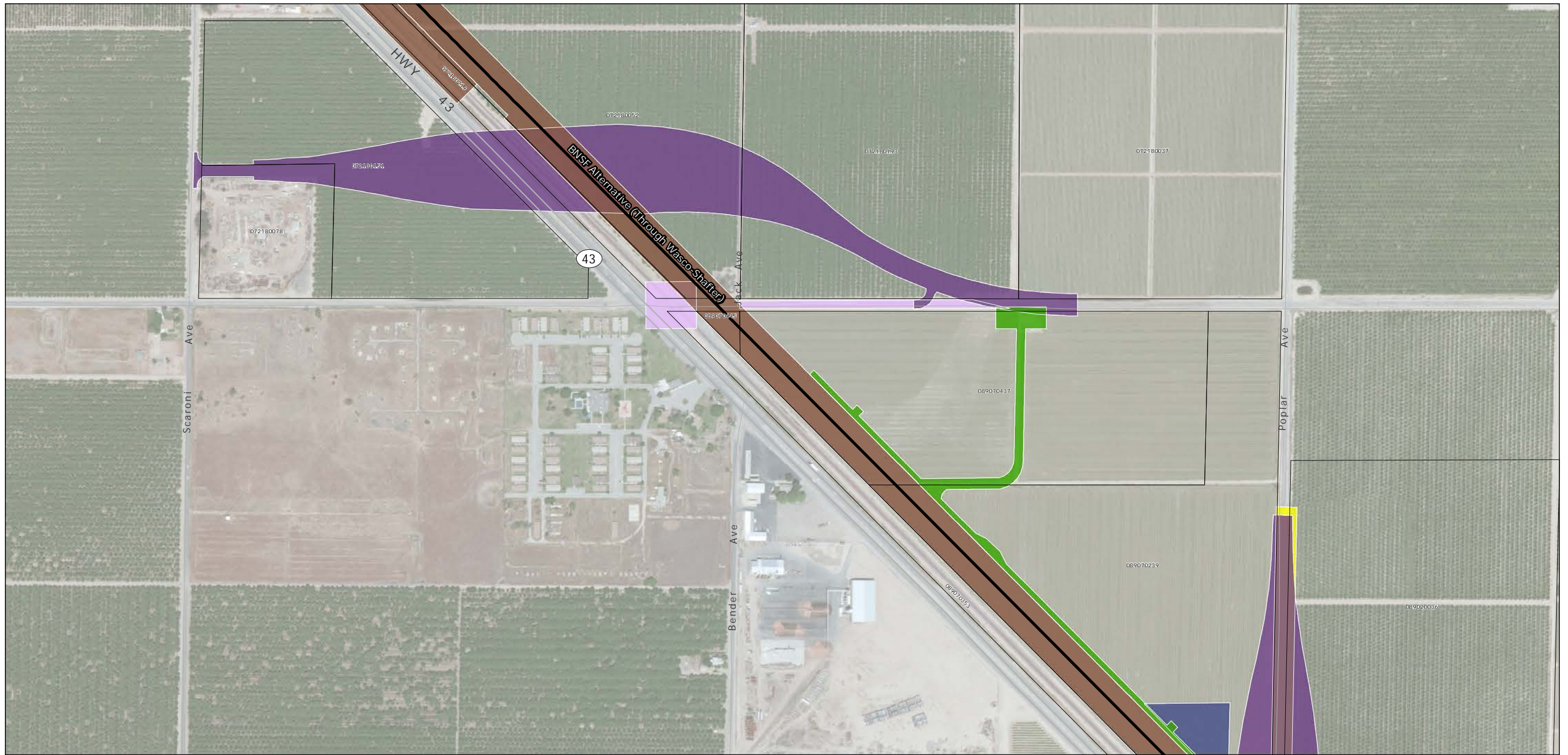


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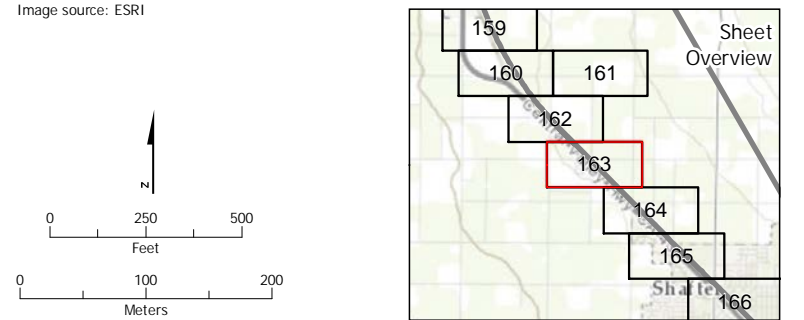
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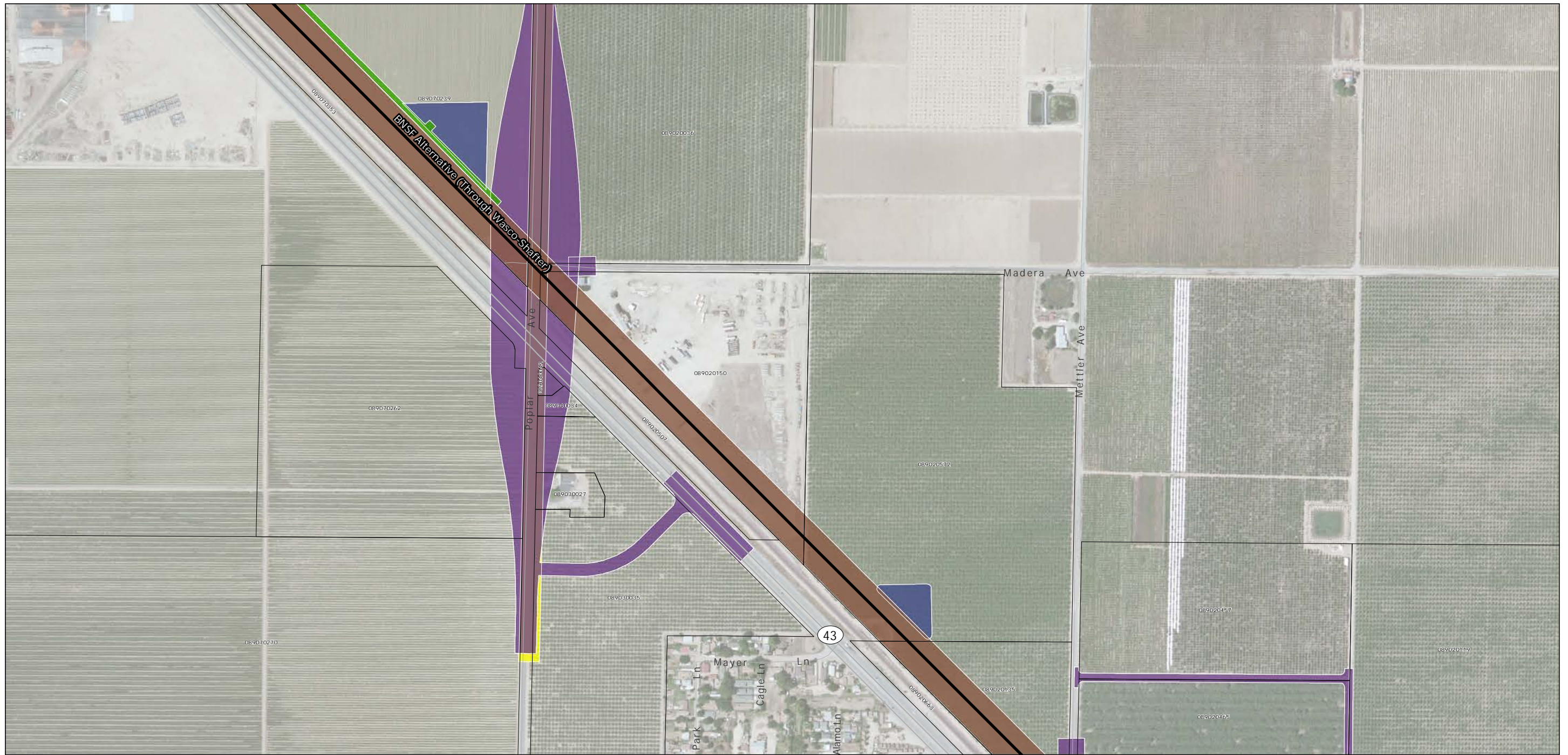


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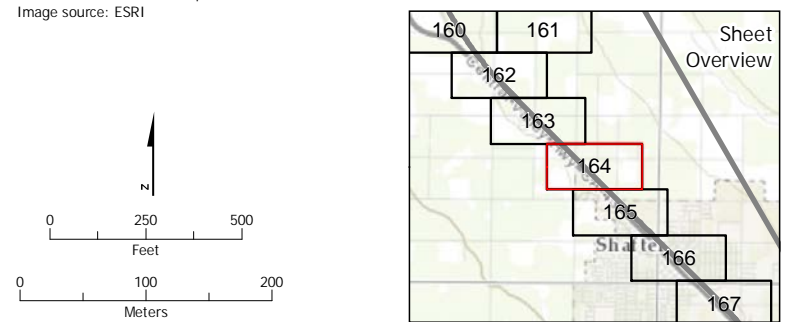


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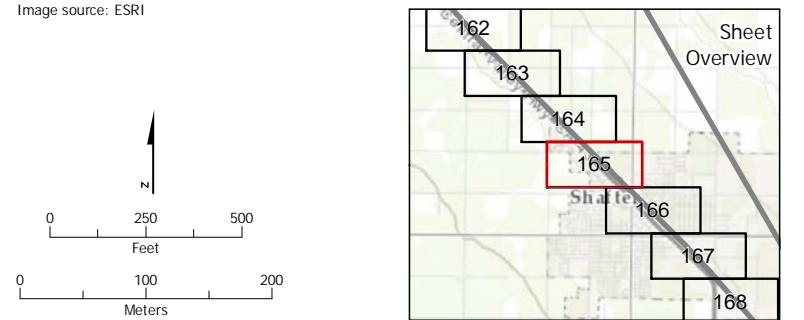


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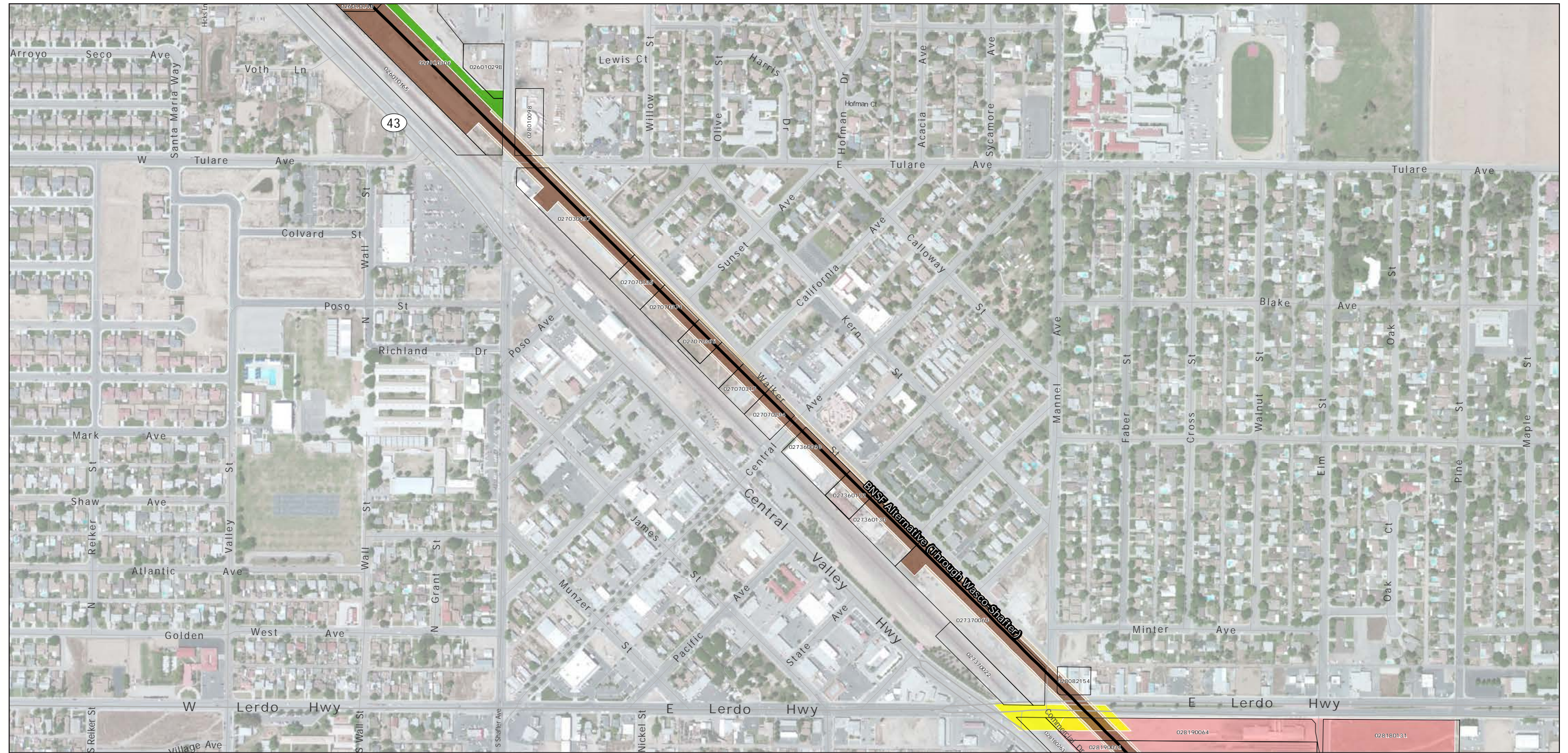
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**Roadway**

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- Temporary (Relocation of natural gas, petroleum, transmission, or water line)

**Systems**

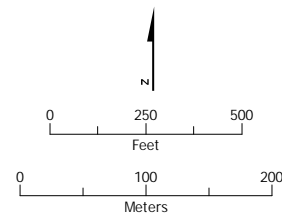
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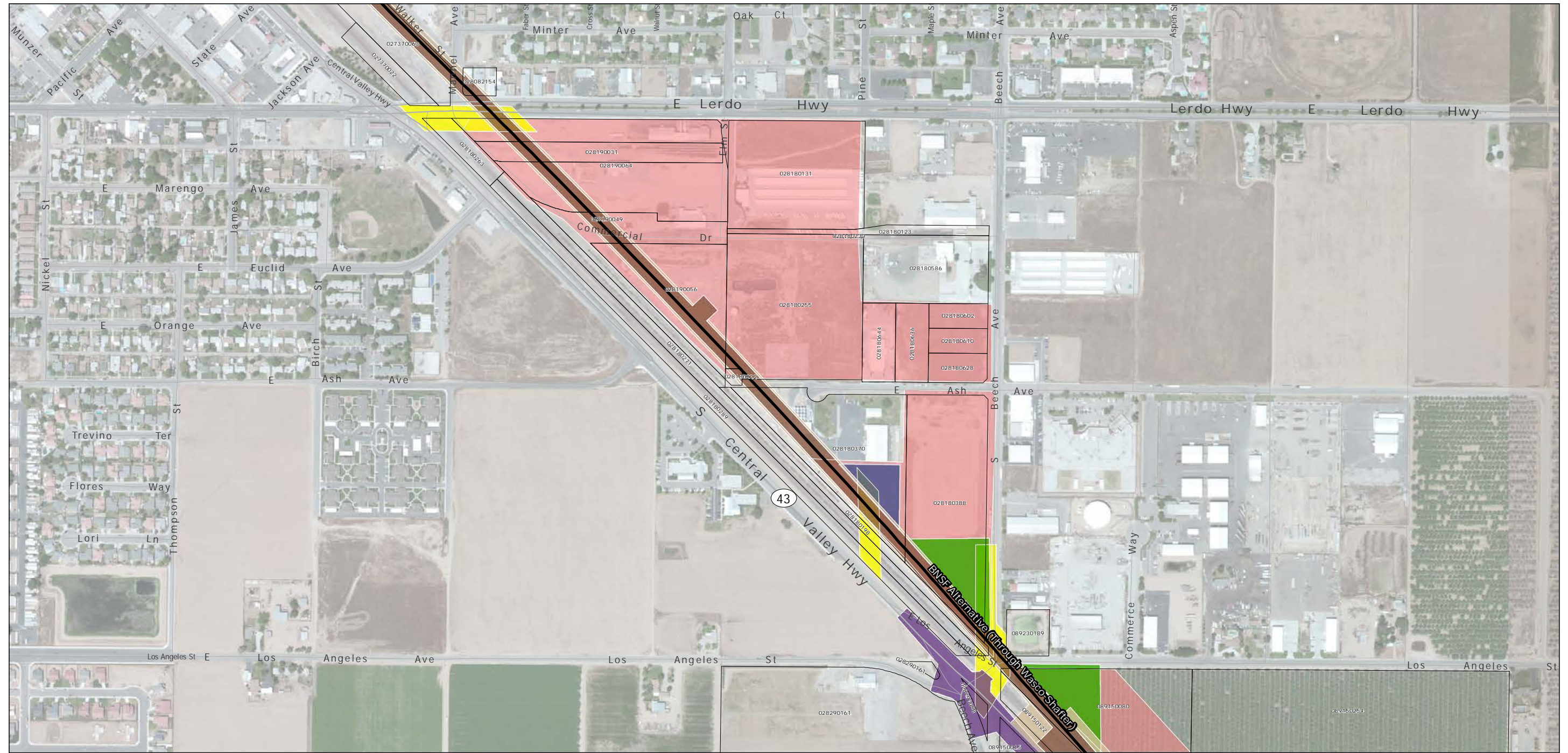
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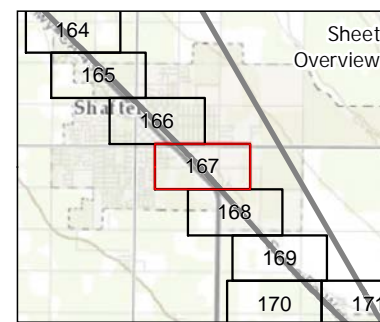
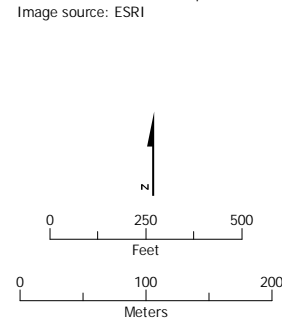
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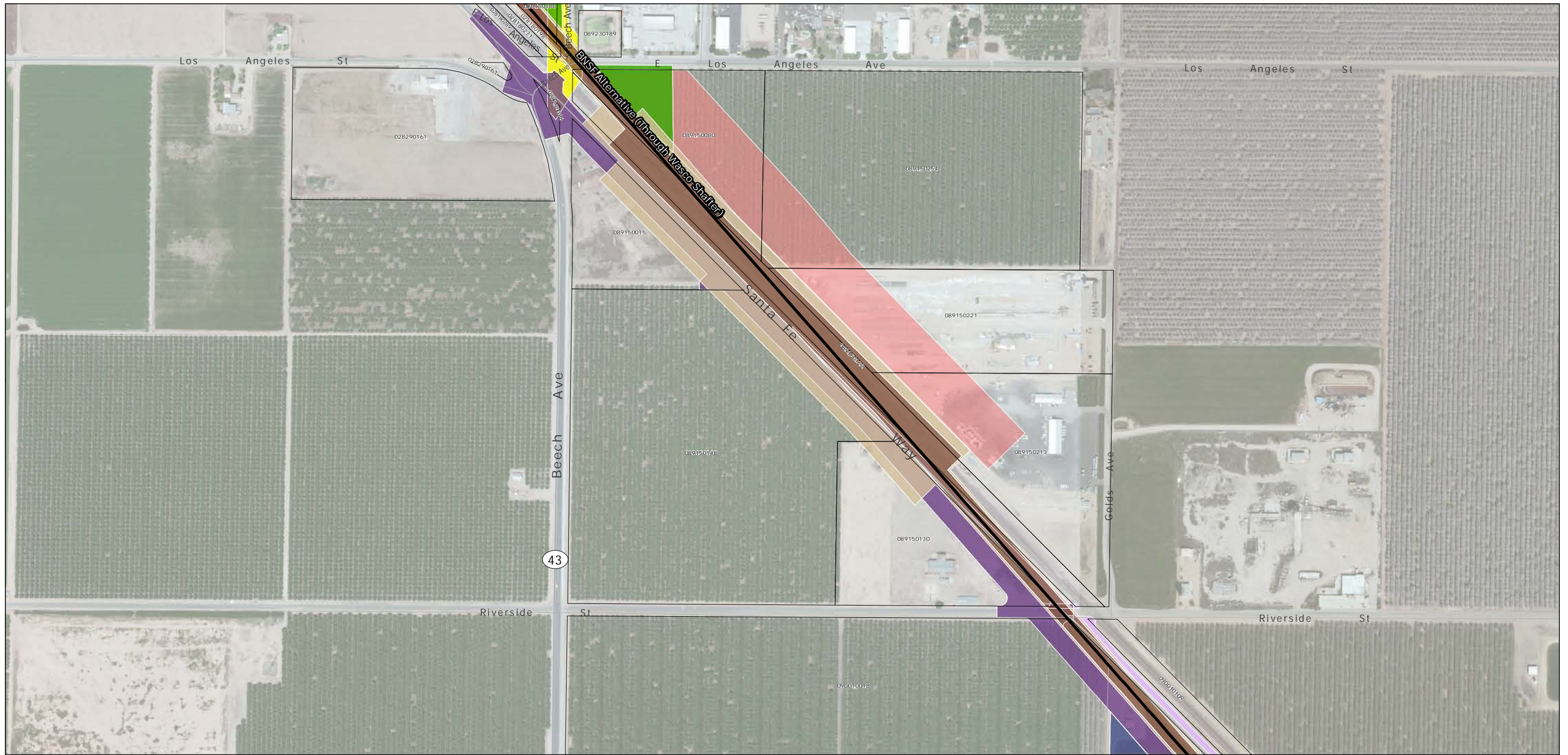


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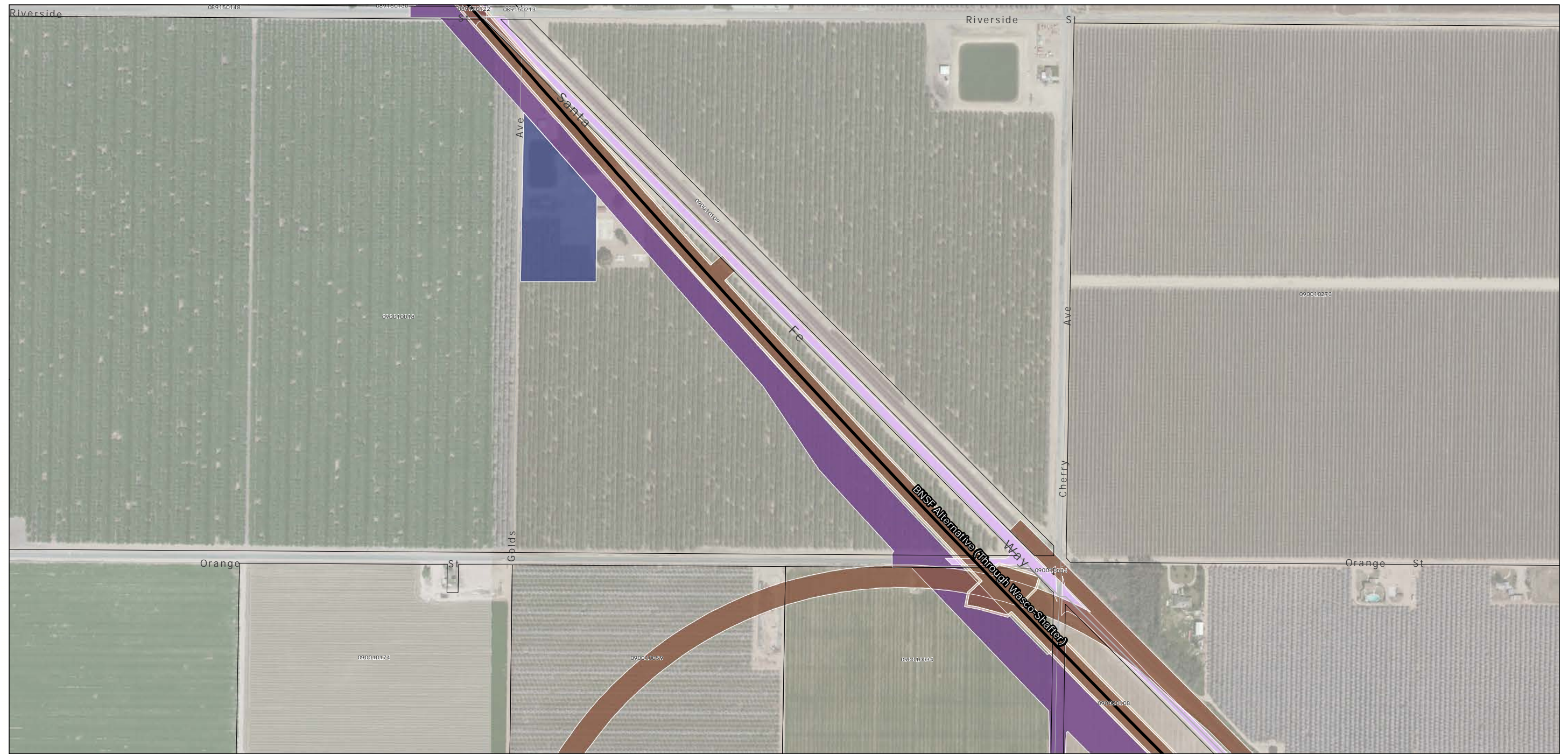
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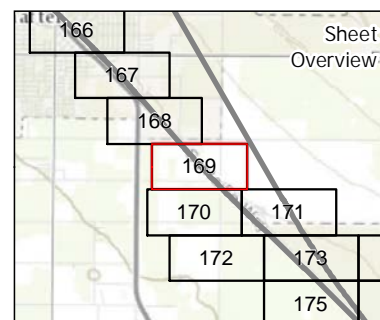
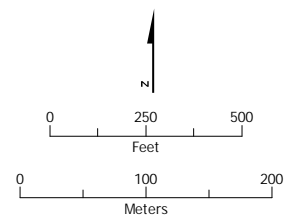
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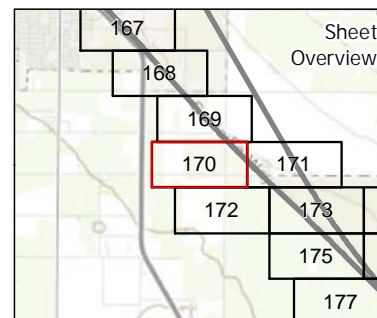
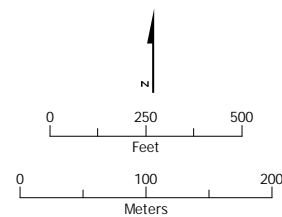


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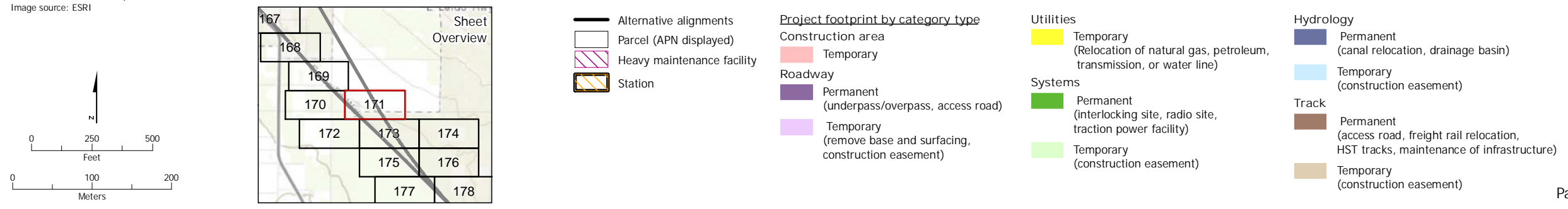
- Utilities**
- Temporary (Relocation of natural gas, petroleum, transmission, or water line)
- Systems**
- Permanent (interlocking site, radio site, traction power facility)
  - Temporary (construction easement)

- Hydrology**
- Permanent (canal relocation, drainage basin)
  - Temporary (construction easement)
- Track**
- Permanent (access road, freight rail relocation, HST tracks, maintenance of infrastructure)
  - Temporary (construction easement)



Data source: URS/HMM/Arup JV, 2014  
 Image source: ESRI

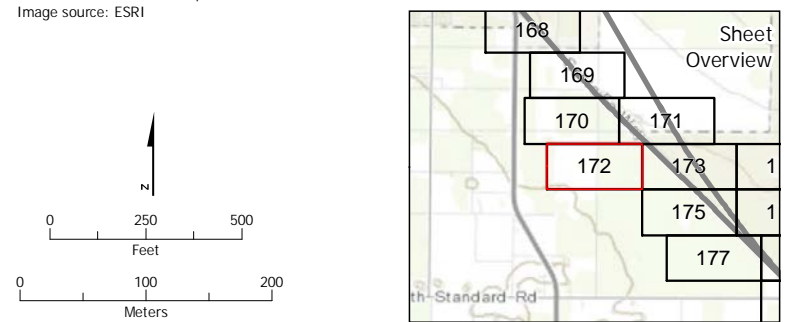
March 19, 2014



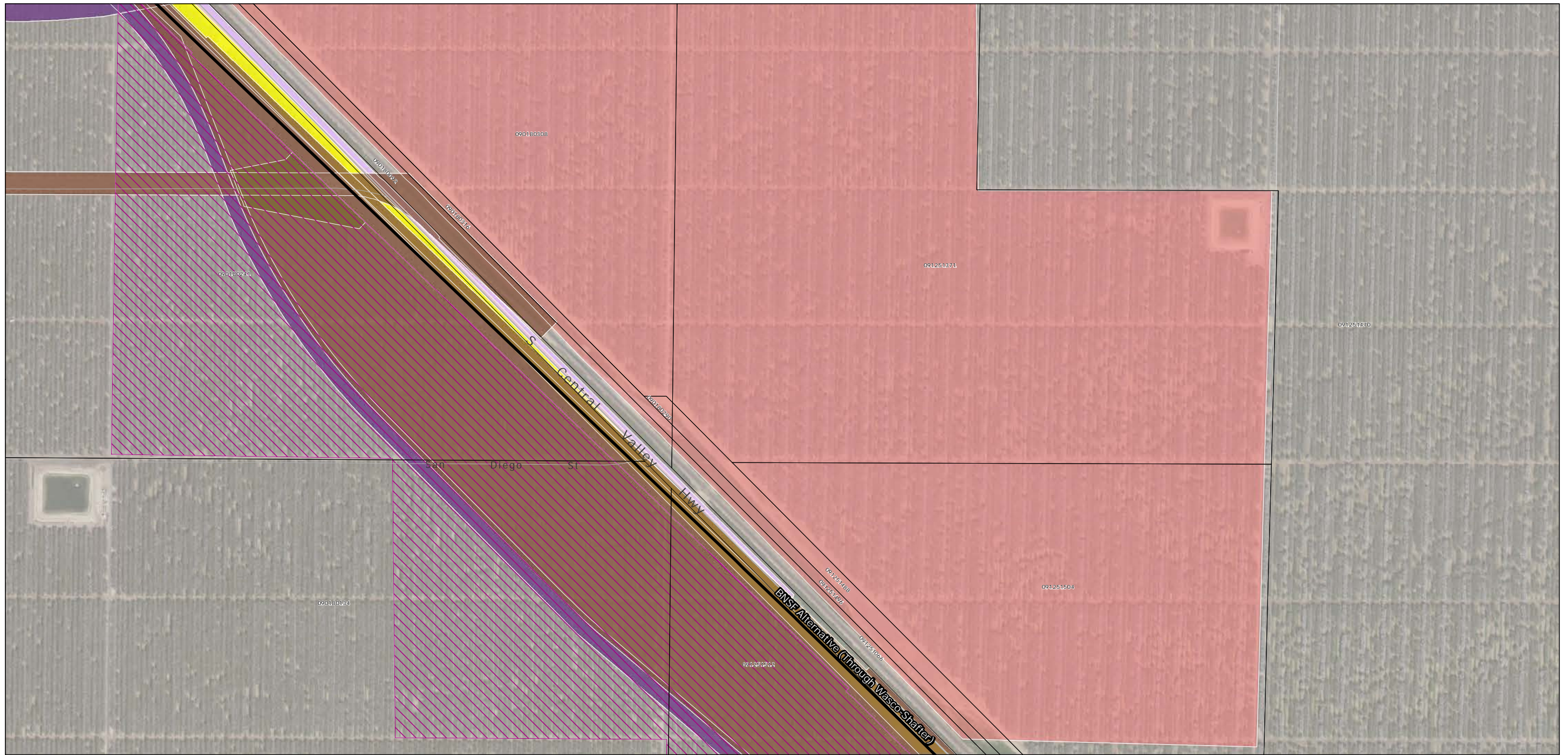


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  - Station
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**Sheet Overview**

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**Roadway**

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**Utilities**

- Temporary (Relocation of natural gas, petroleum, transmission, or water line)

**Systems**

- Permanent (interlocking site, radio site, traction power facility)
- Temporary (construction easement)

**Hydrology**

- Permanent (canal relocation, drainage basin)
- Temporary (construction easement)

**Track**

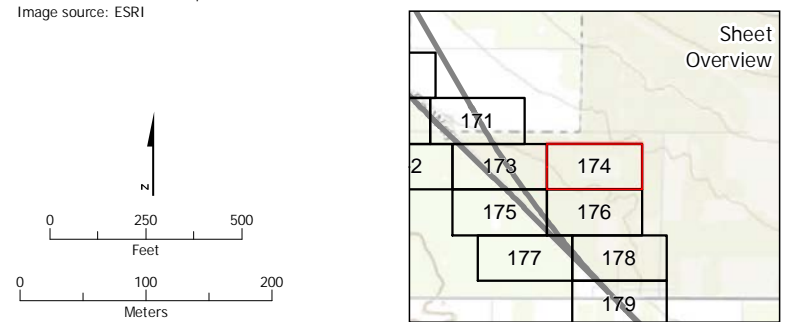
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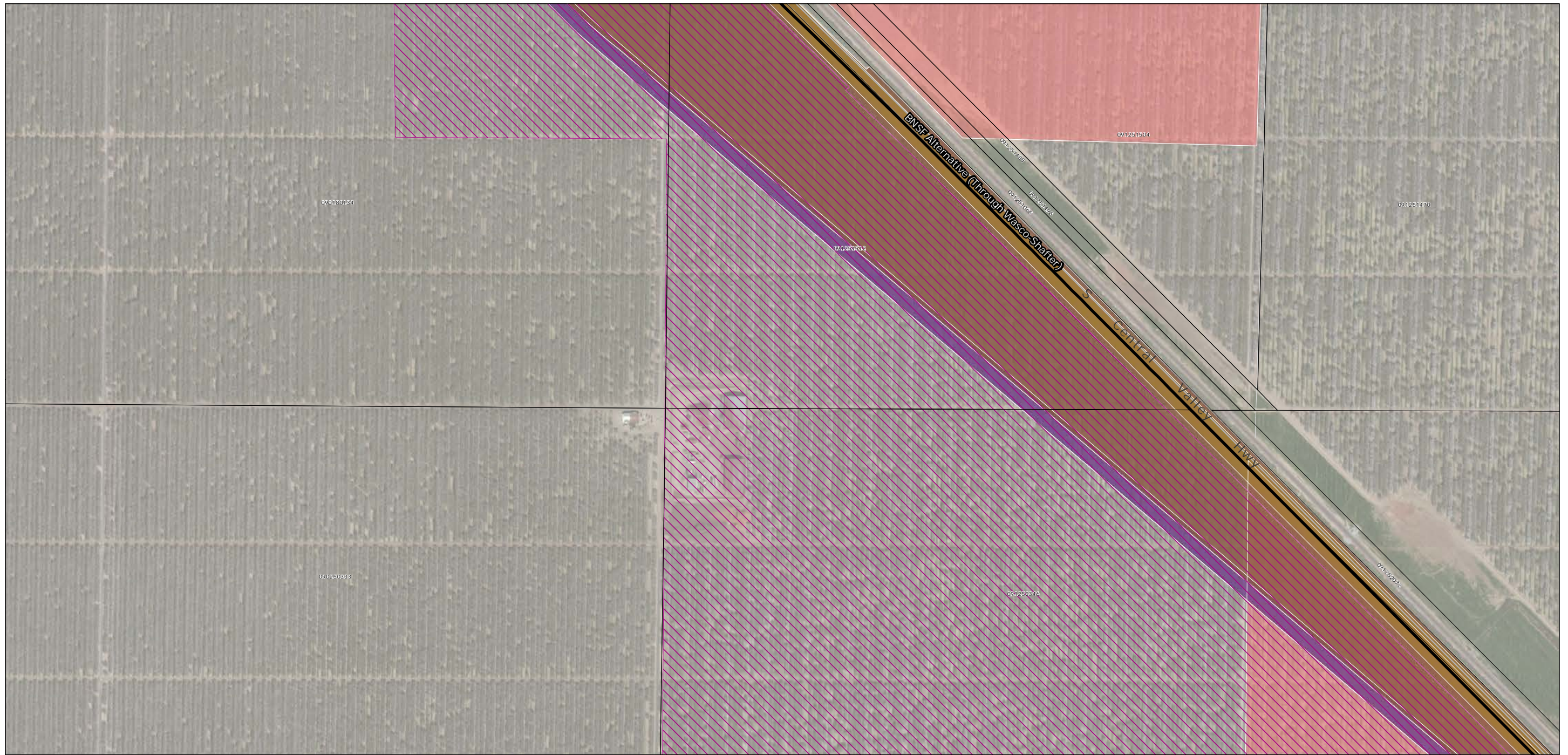


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 Image source: ESRI

March 19, 2014

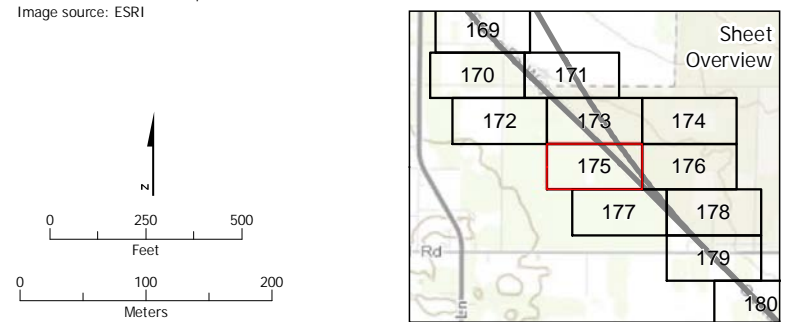


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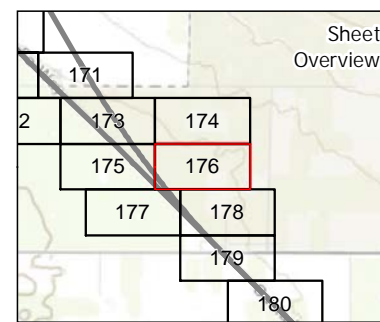
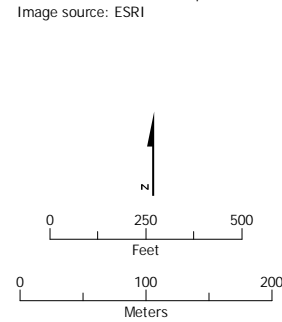
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 Image source: ESRI

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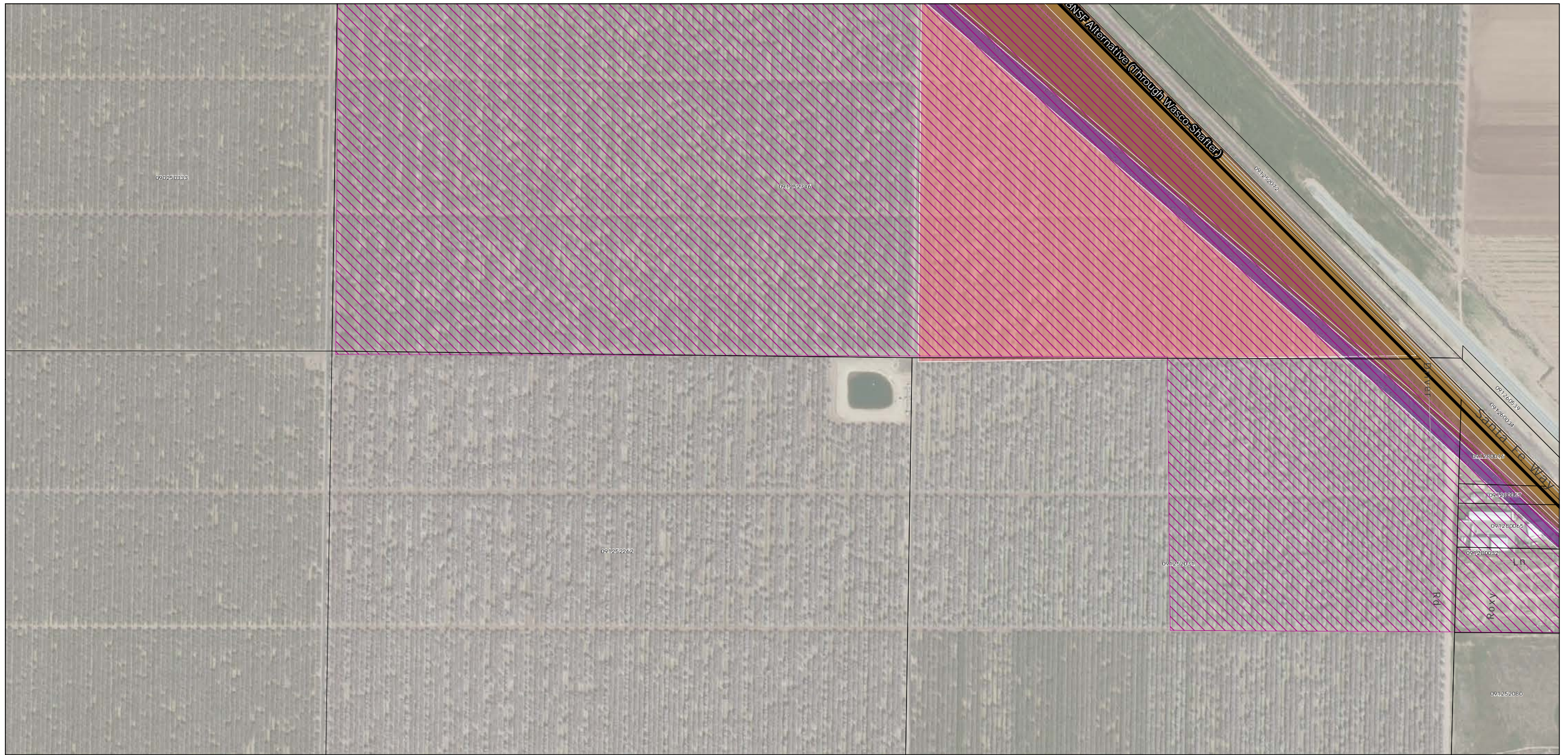


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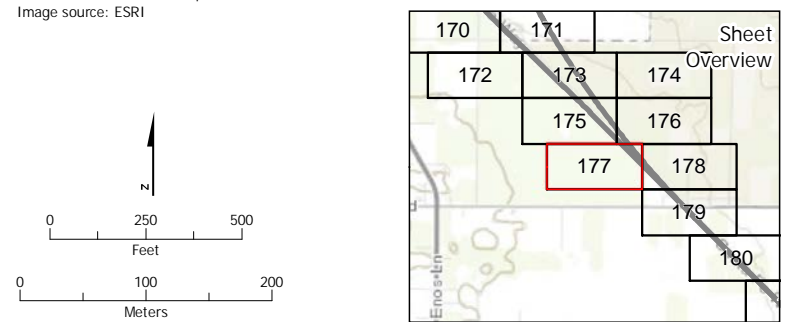
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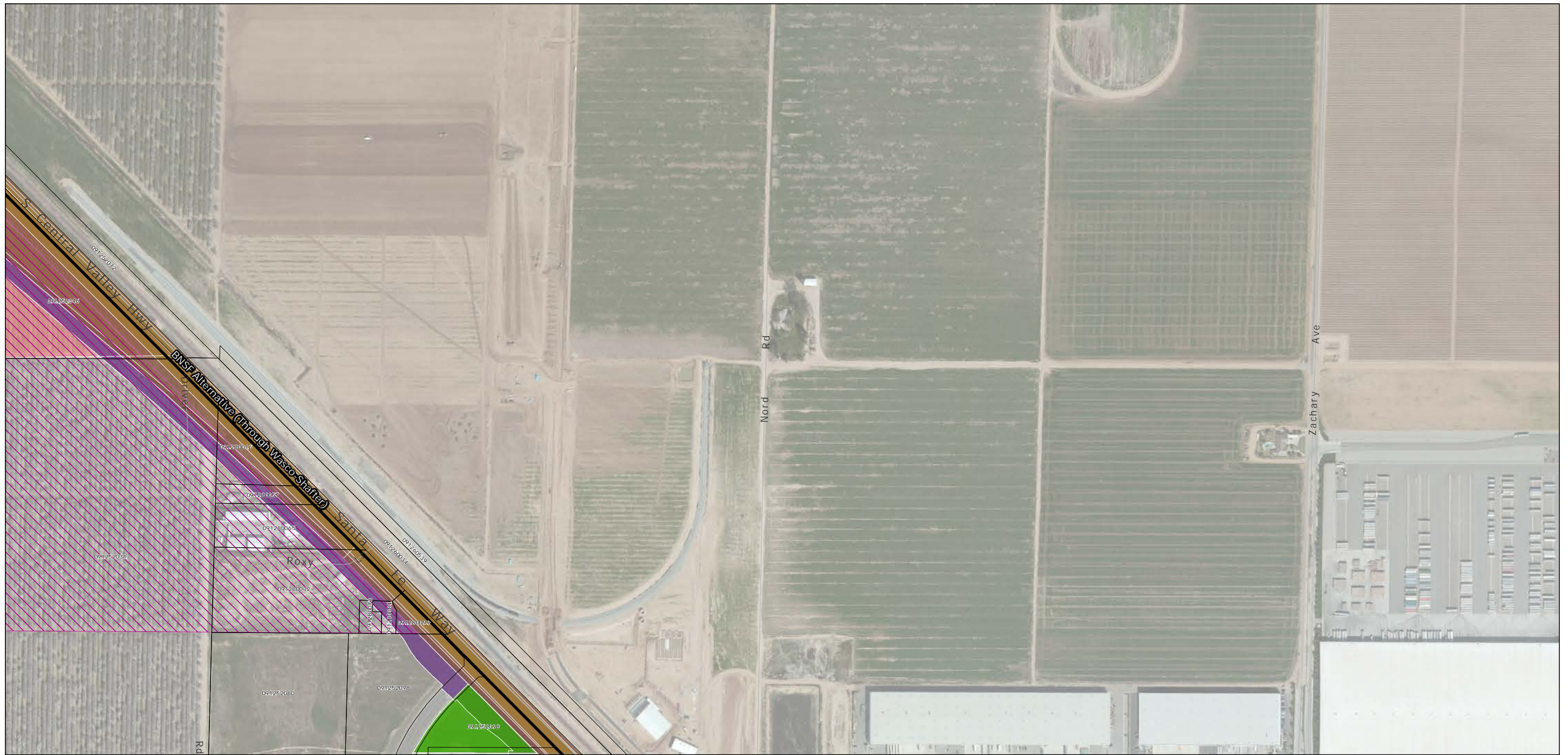


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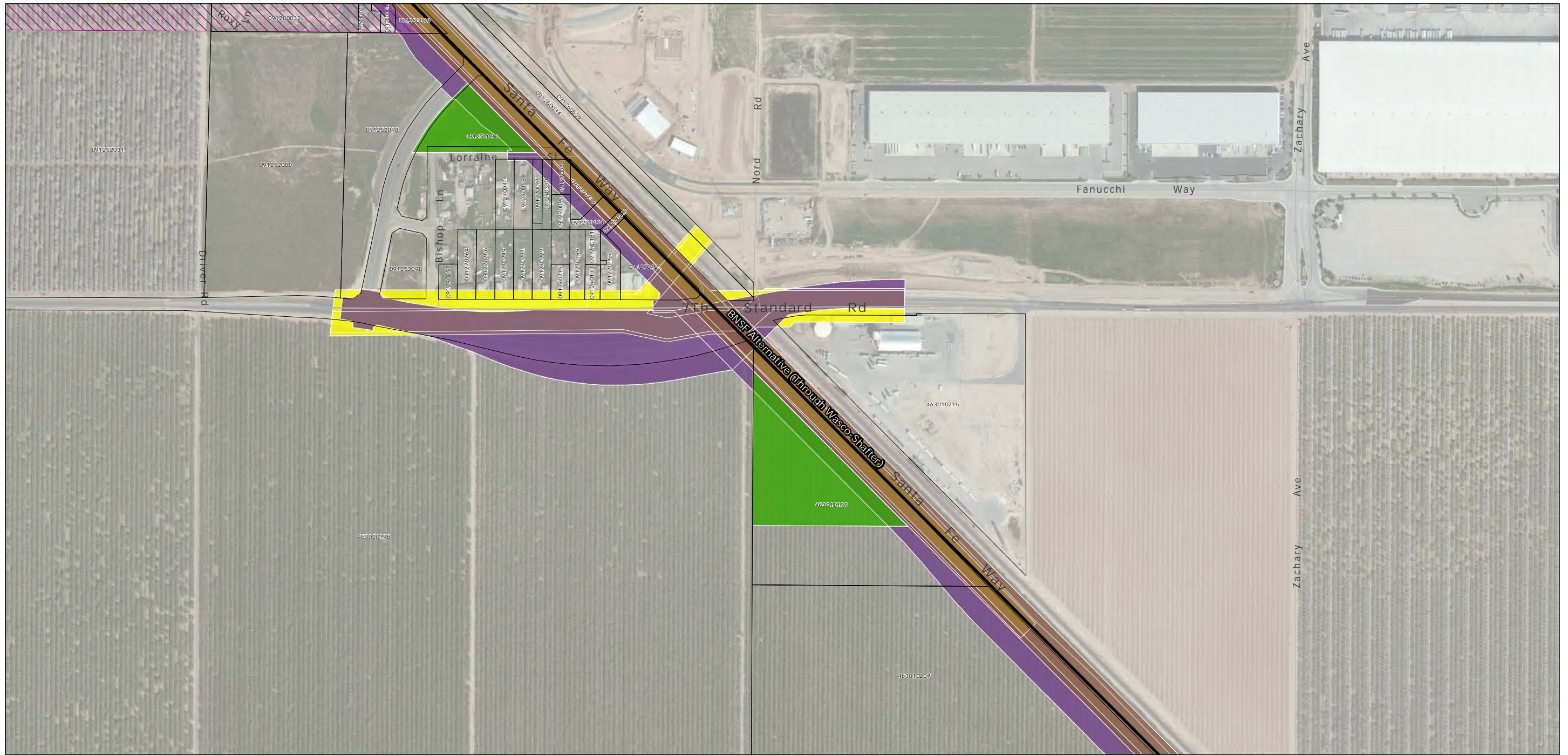
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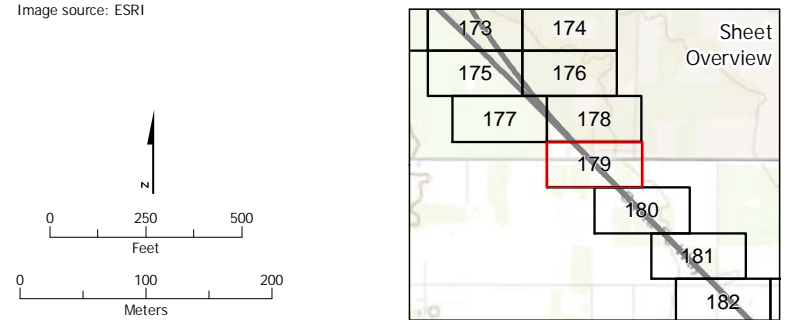
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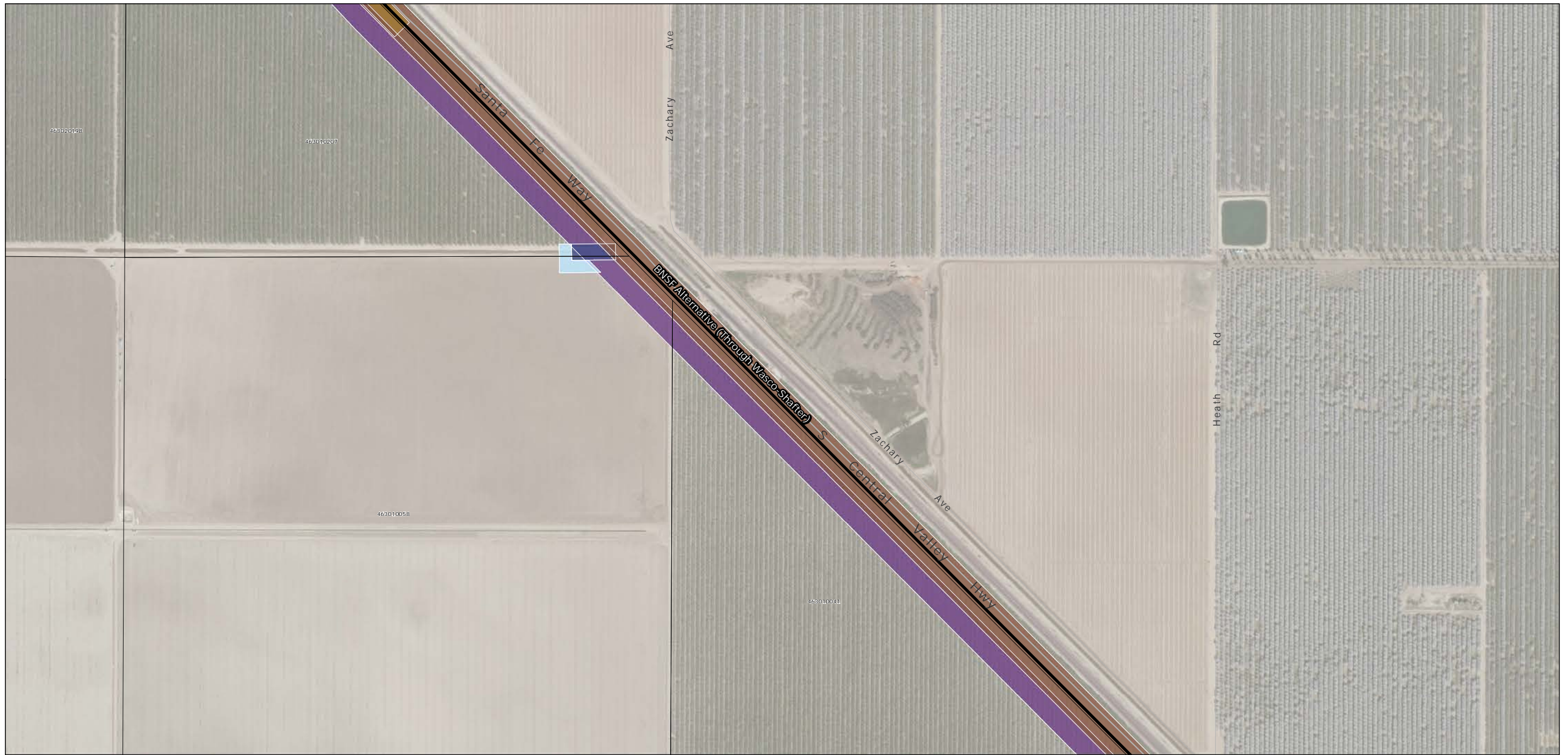


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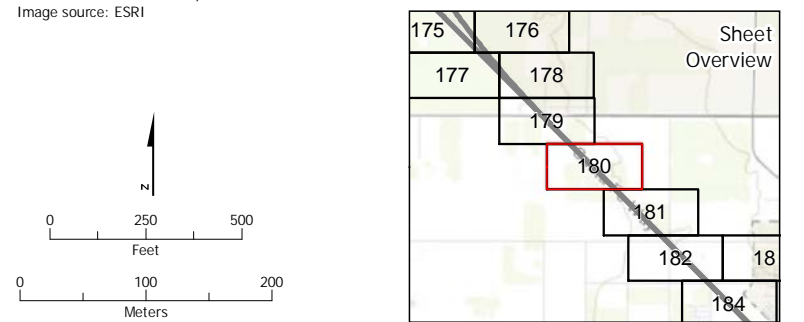


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March 19, 2014

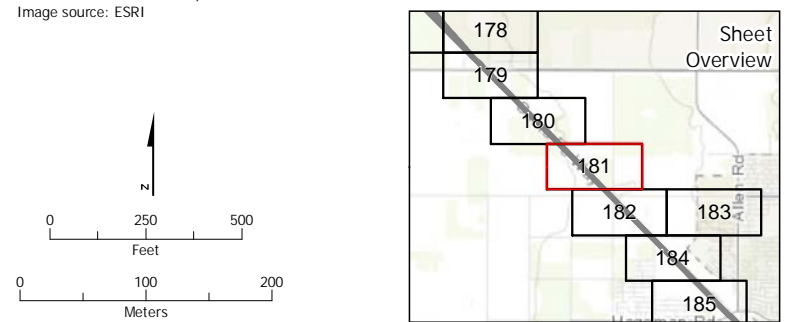


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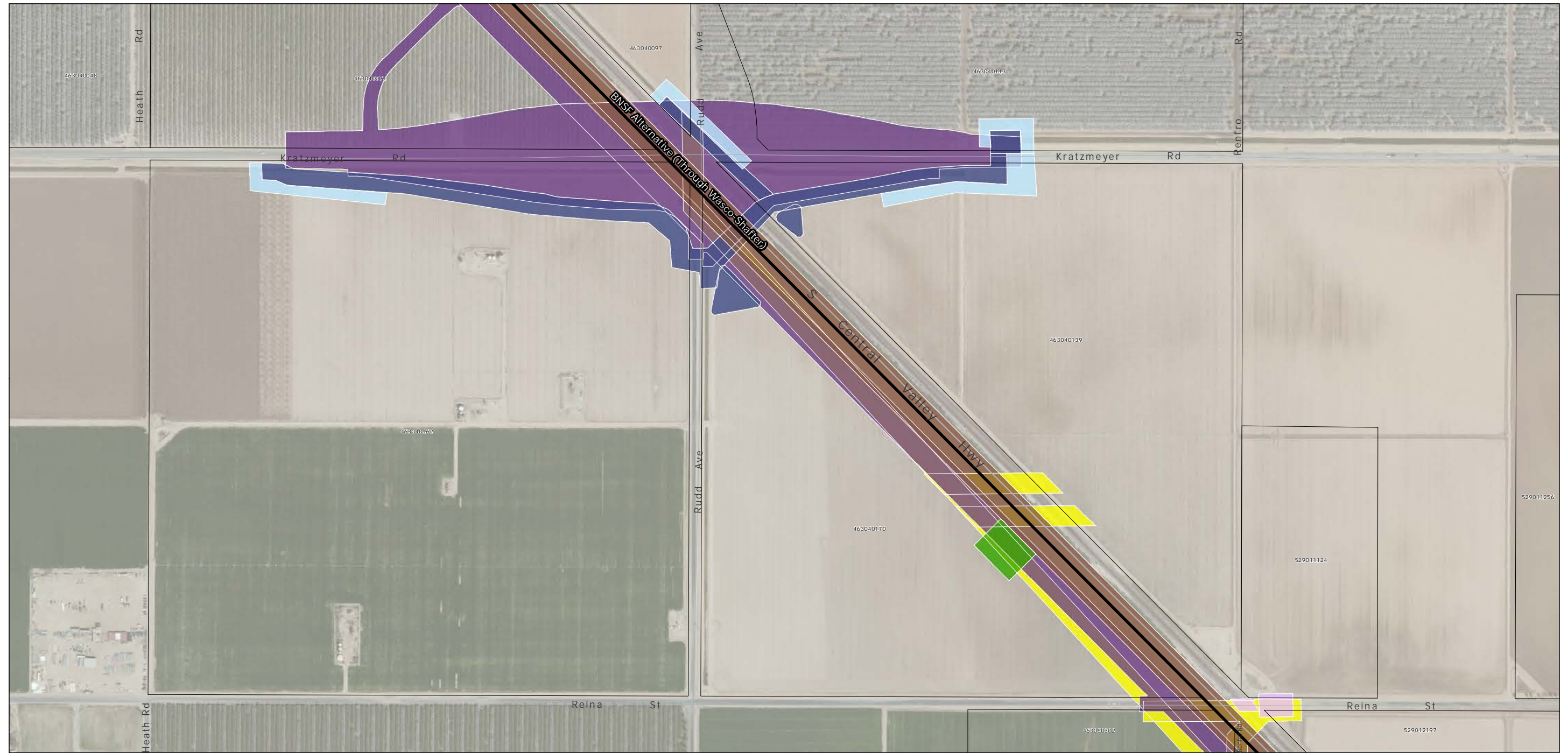
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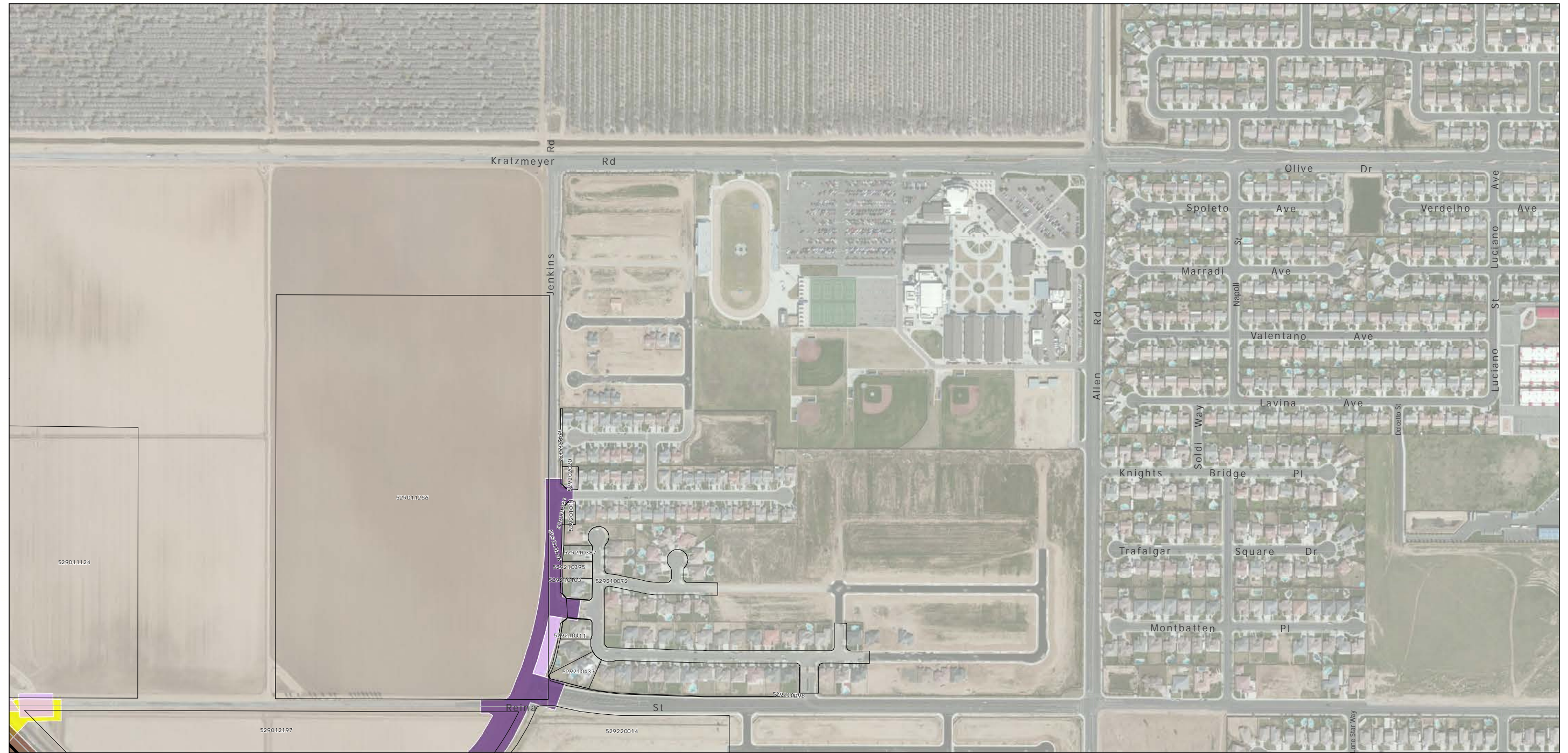


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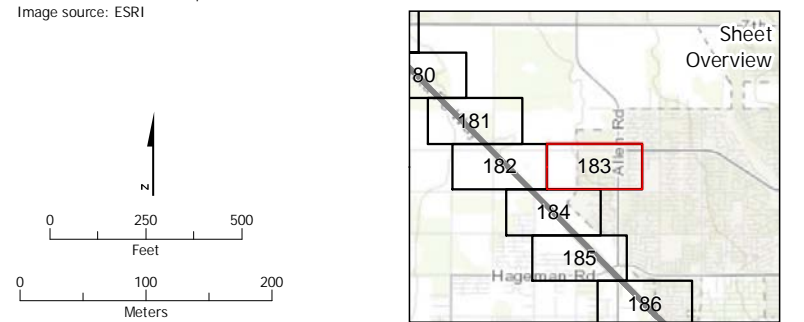


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| <ul style="list-style-type: none"> <li> Alternative alignments</li> <li> Parcel (APN displayed)</li> <li> Heavy maintenance facility</li> <li> Station</li> </ul> | <p><b>Project footprint by category type</b></p> <p>Construction area</p> <ul style="list-style-type: none"> <li> Temporary</li> </ul> <p>Roadway</p> <ul style="list-style-type: none"> <li> Permanent (underpass/overpass, access road)</li> <li> Temporary (remove base and surfacing, construction easement)</li> </ul> | <p><b>Utilities</b></p> <ul style="list-style-type: none"> <li> Temporary (Relocation of natural gas, petroleum, transmission, or water line)</li> </ul> <p><b>Systems</b></p> <ul style="list-style-type: none"> <li> Permanent (interlocking site, radio site, traction power facility)</li> <li> Temporary (construction easement)</li> </ul> | <p><b>Hydrology</b></p> <ul style="list-style-type: none"> <li> Permanent (canal relocation, drainage basin)</li> <li> Temporary (construction easement)</li> </ul> <p><b>Track</b></p> <ul style="list-style-type: none"> <li> Permanent (access road, freight rail relocation, HST tracks, maintenance of infrastructure)</li> <li> Temporary (construction easement)</li> </ul> |
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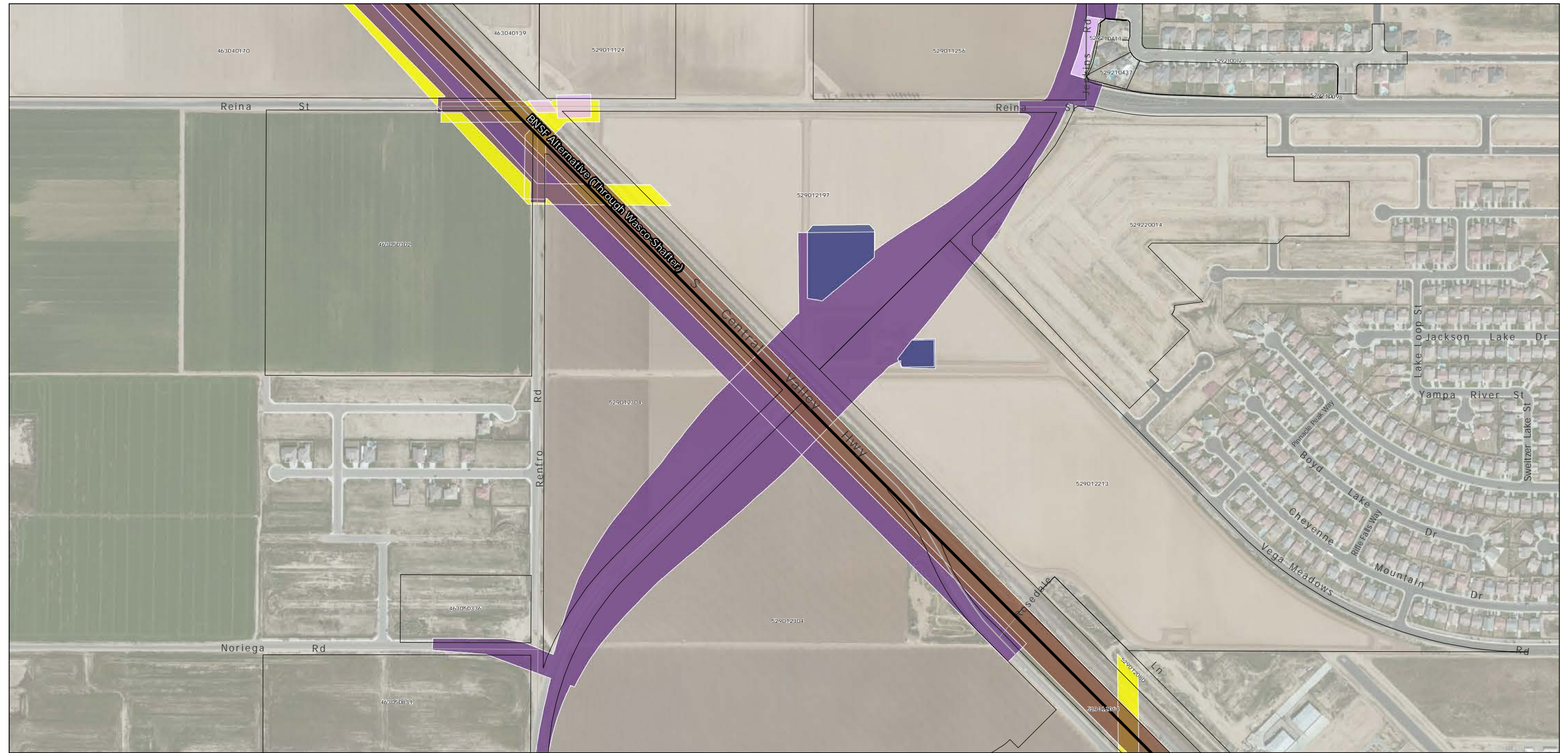


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**Alternative alignments**

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**Project footprint by category type**

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**Utilities**

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**Systems**

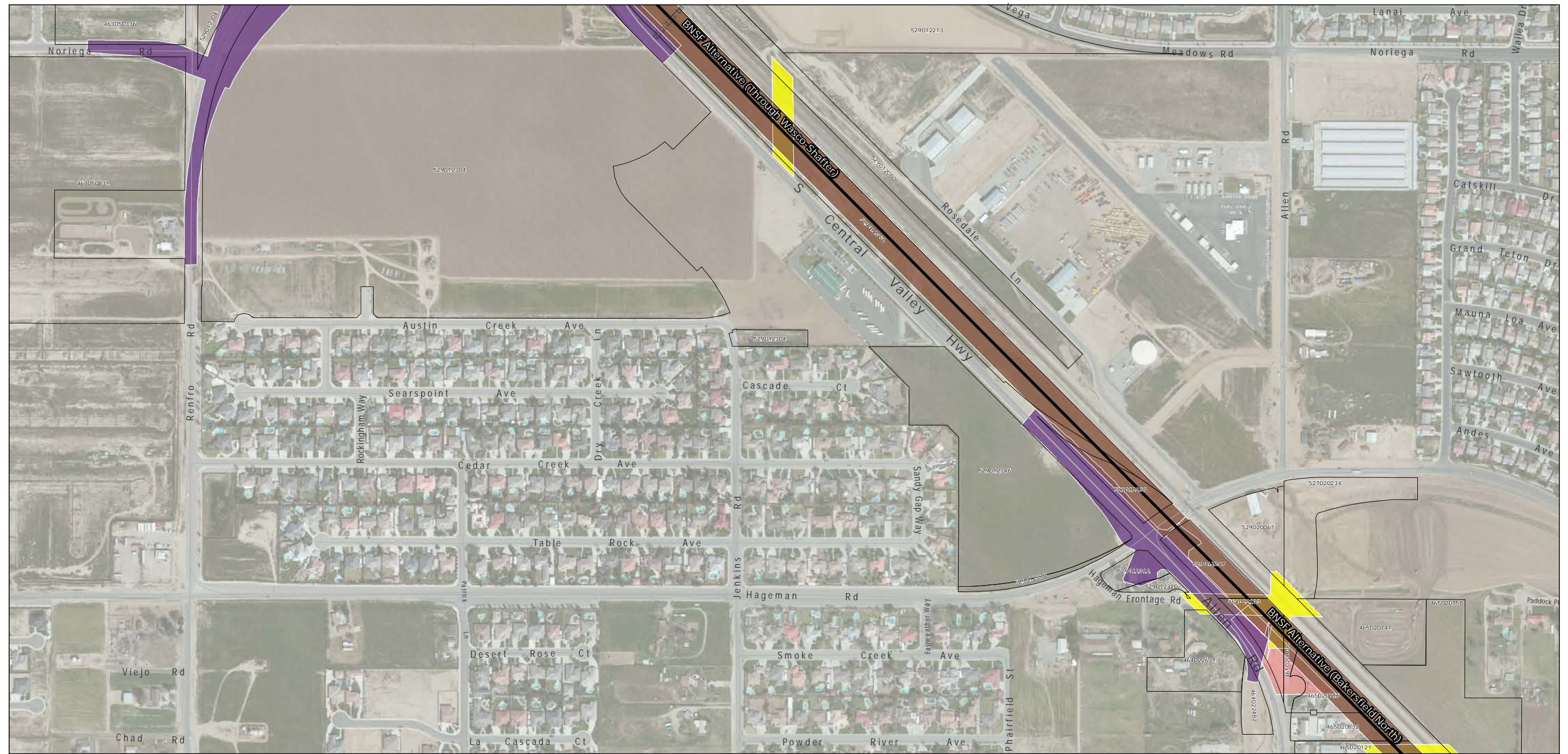
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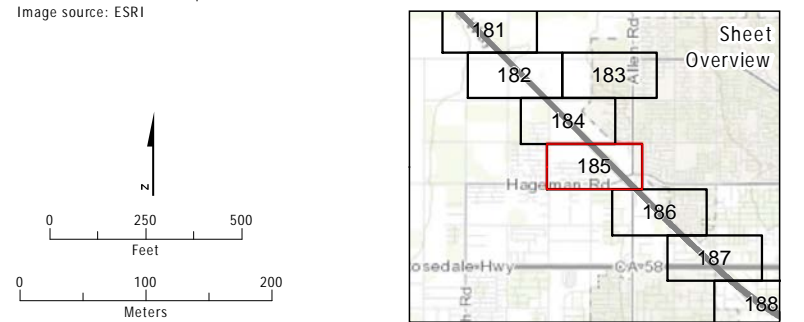
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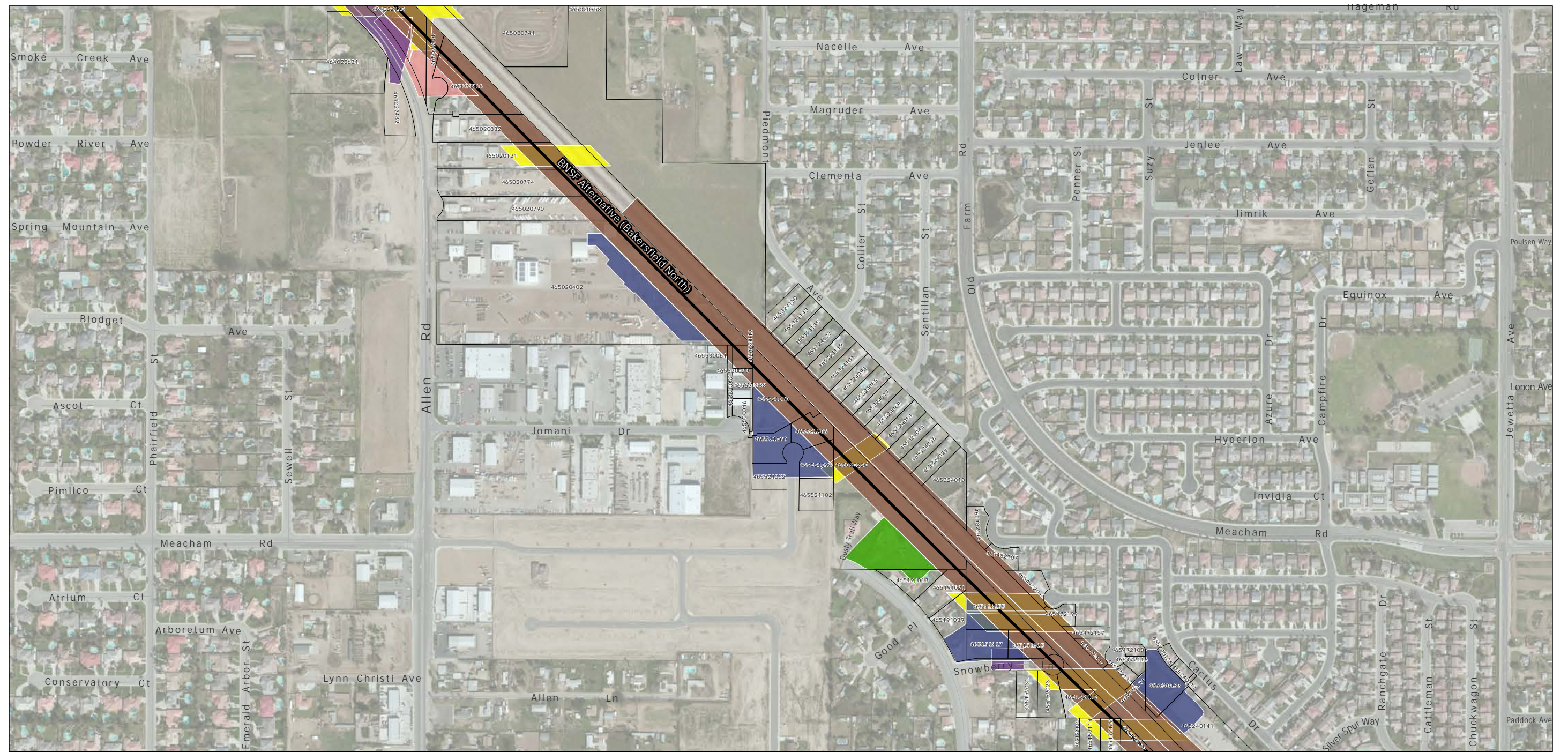


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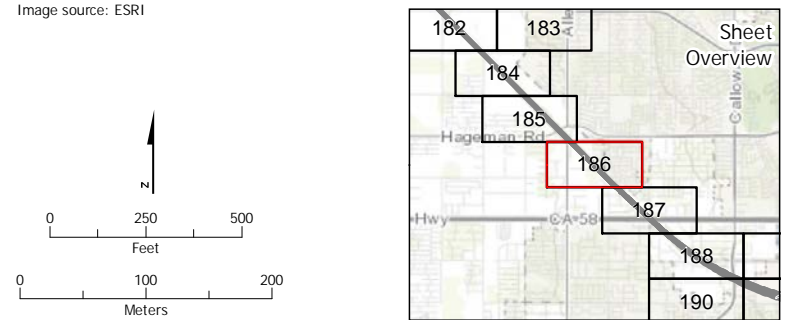


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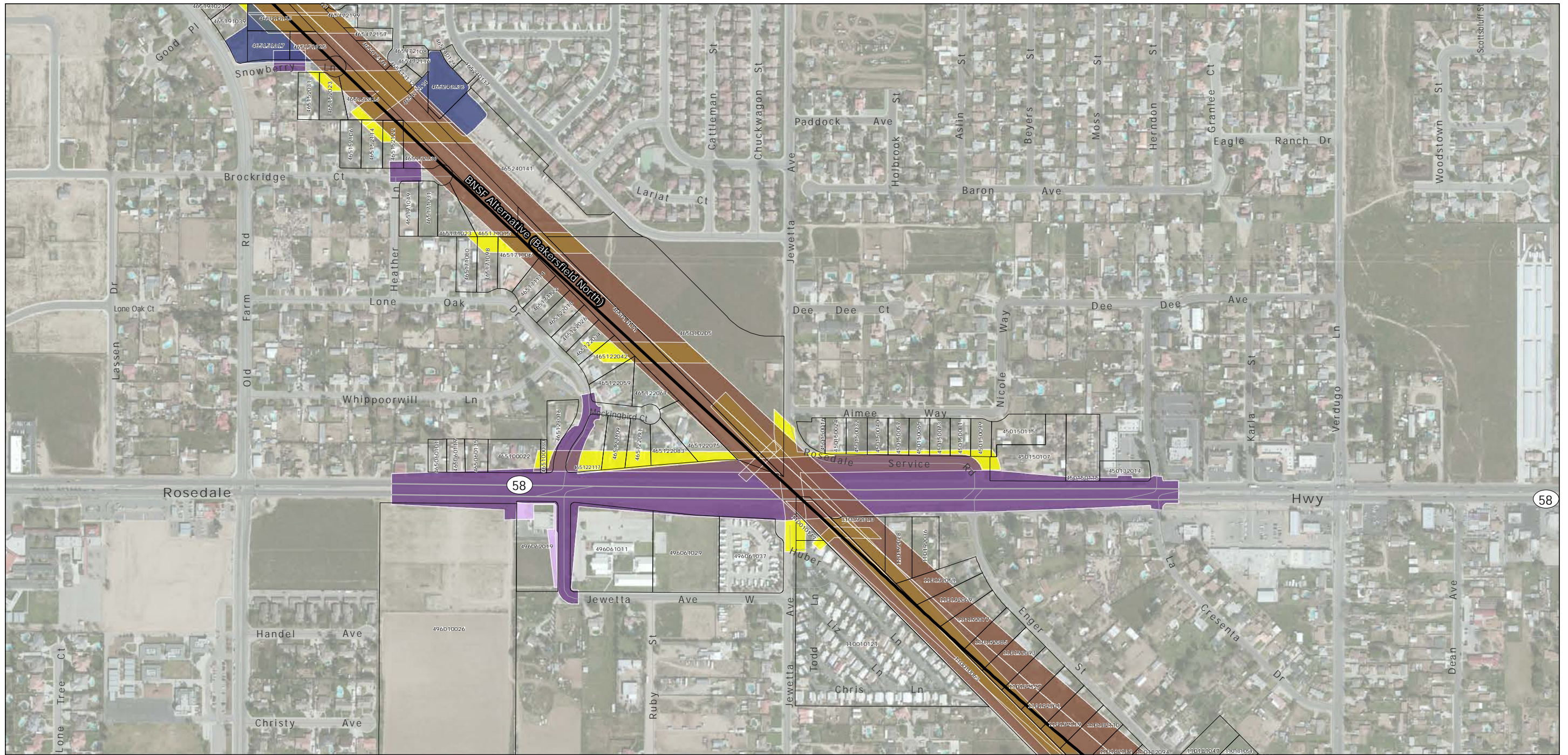


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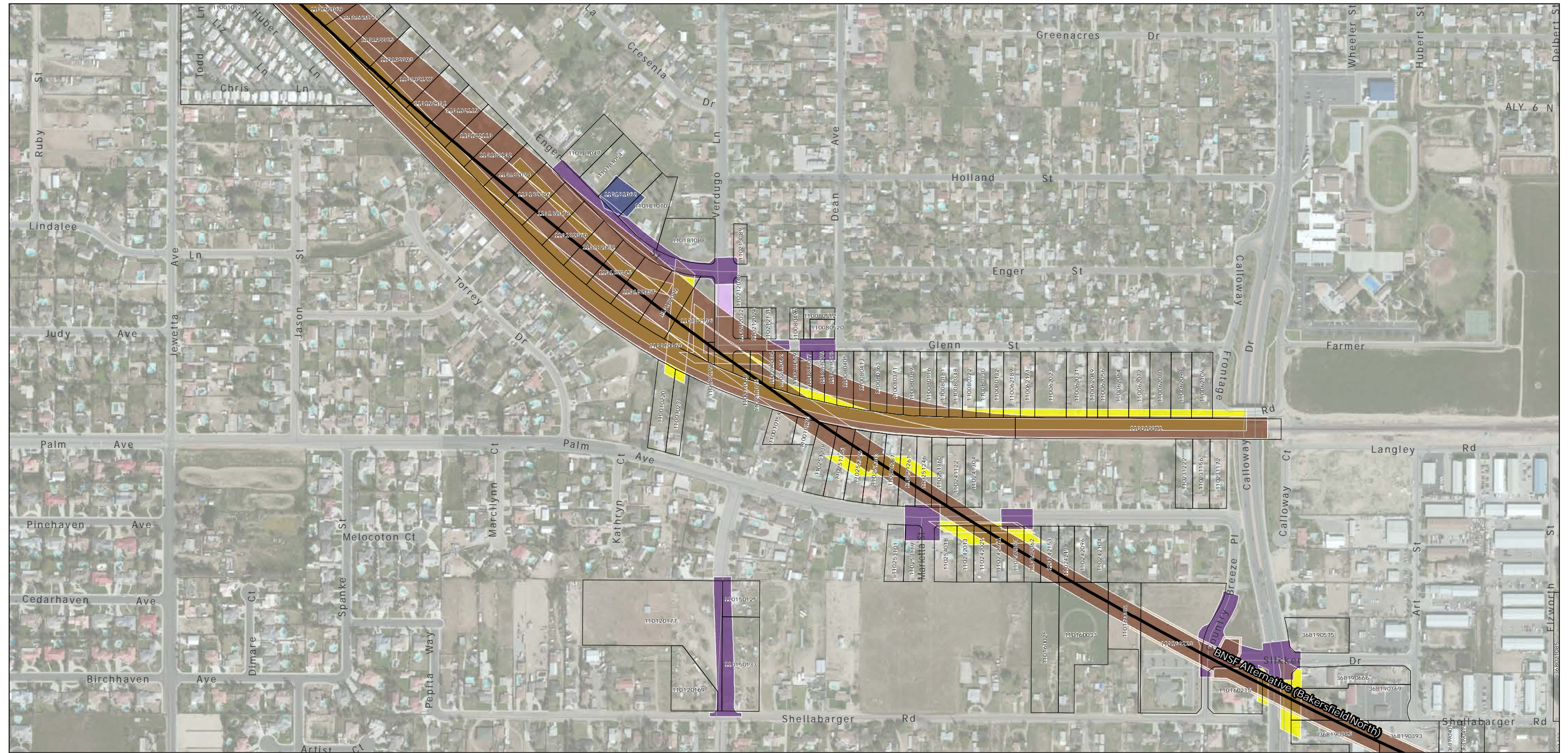
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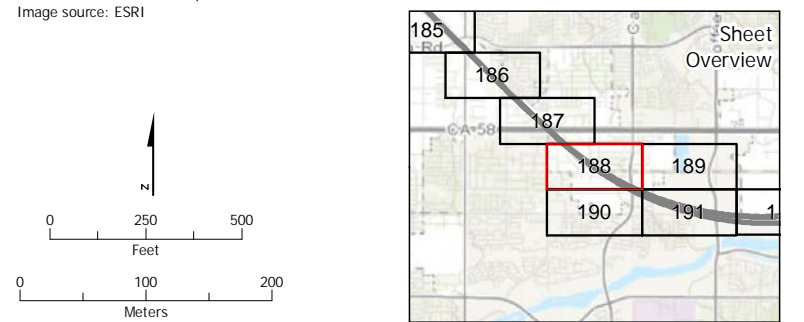
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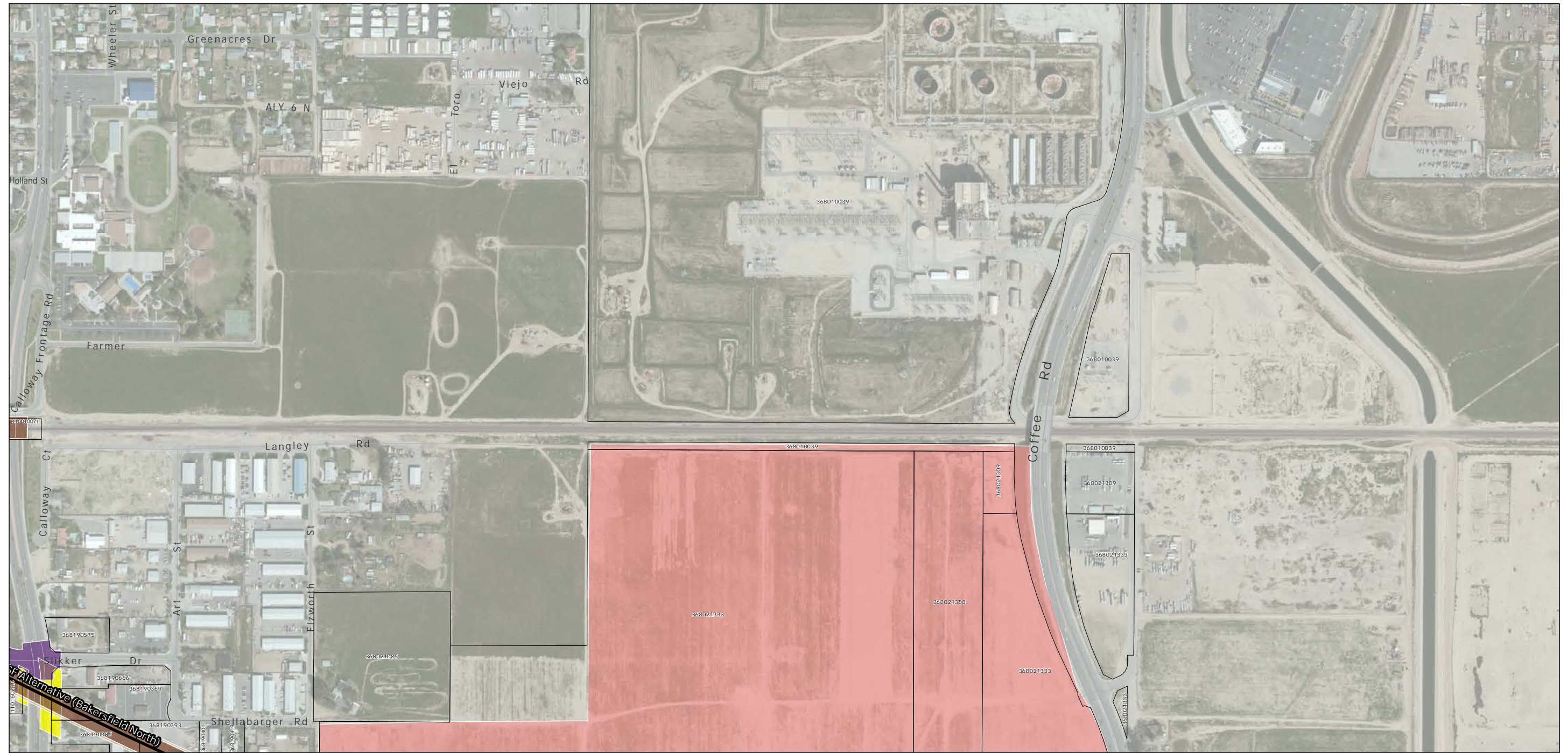


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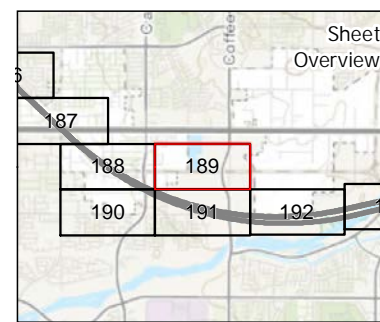
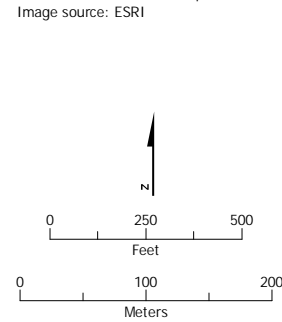


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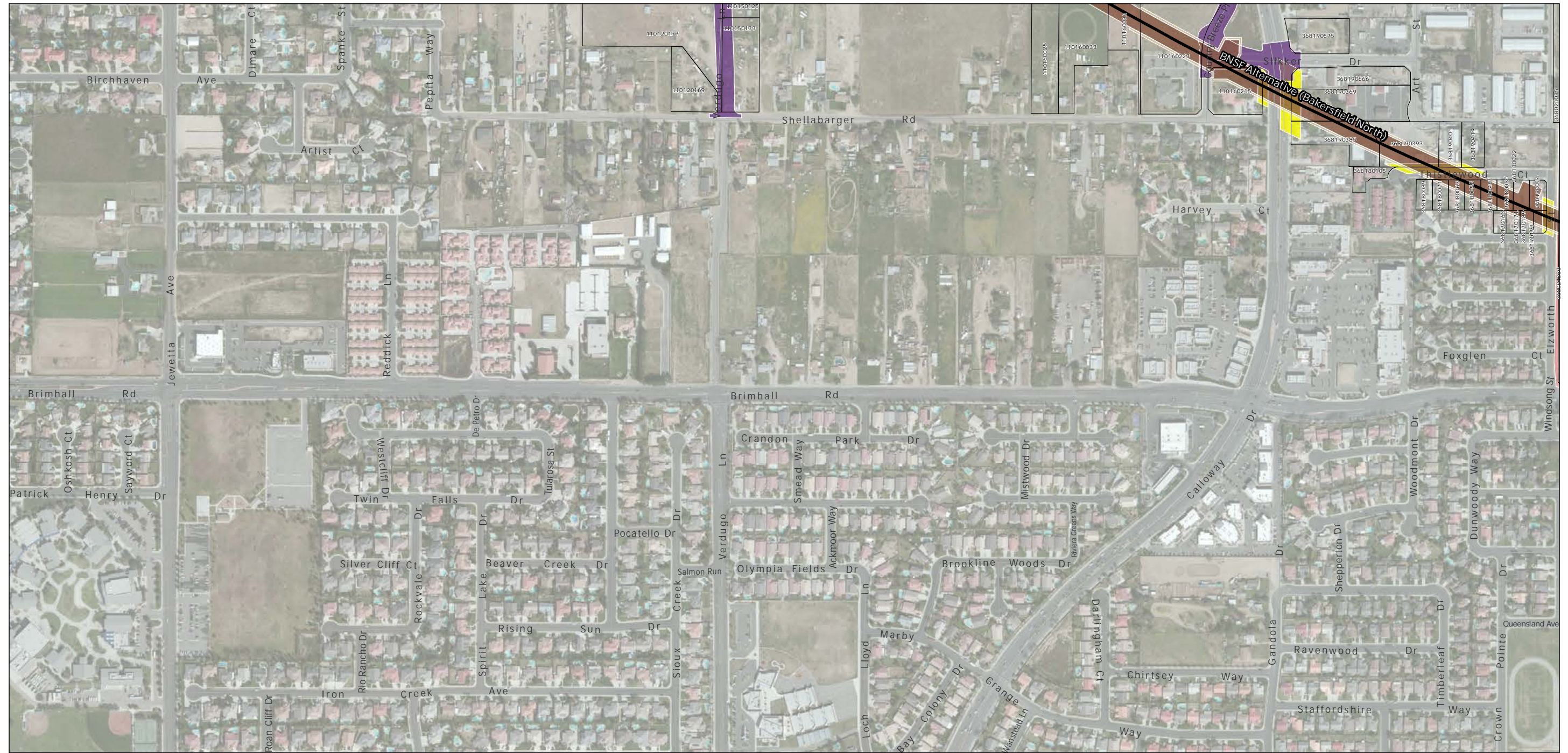
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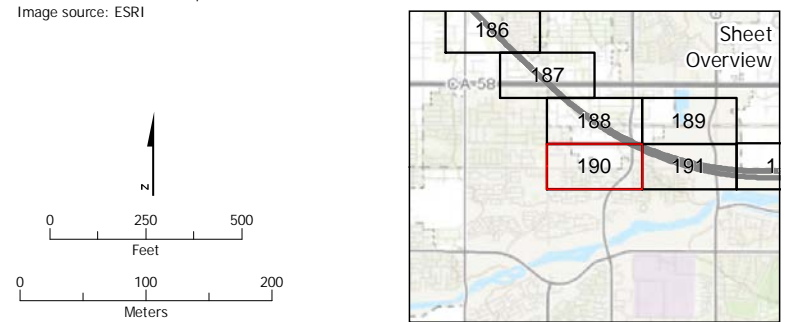
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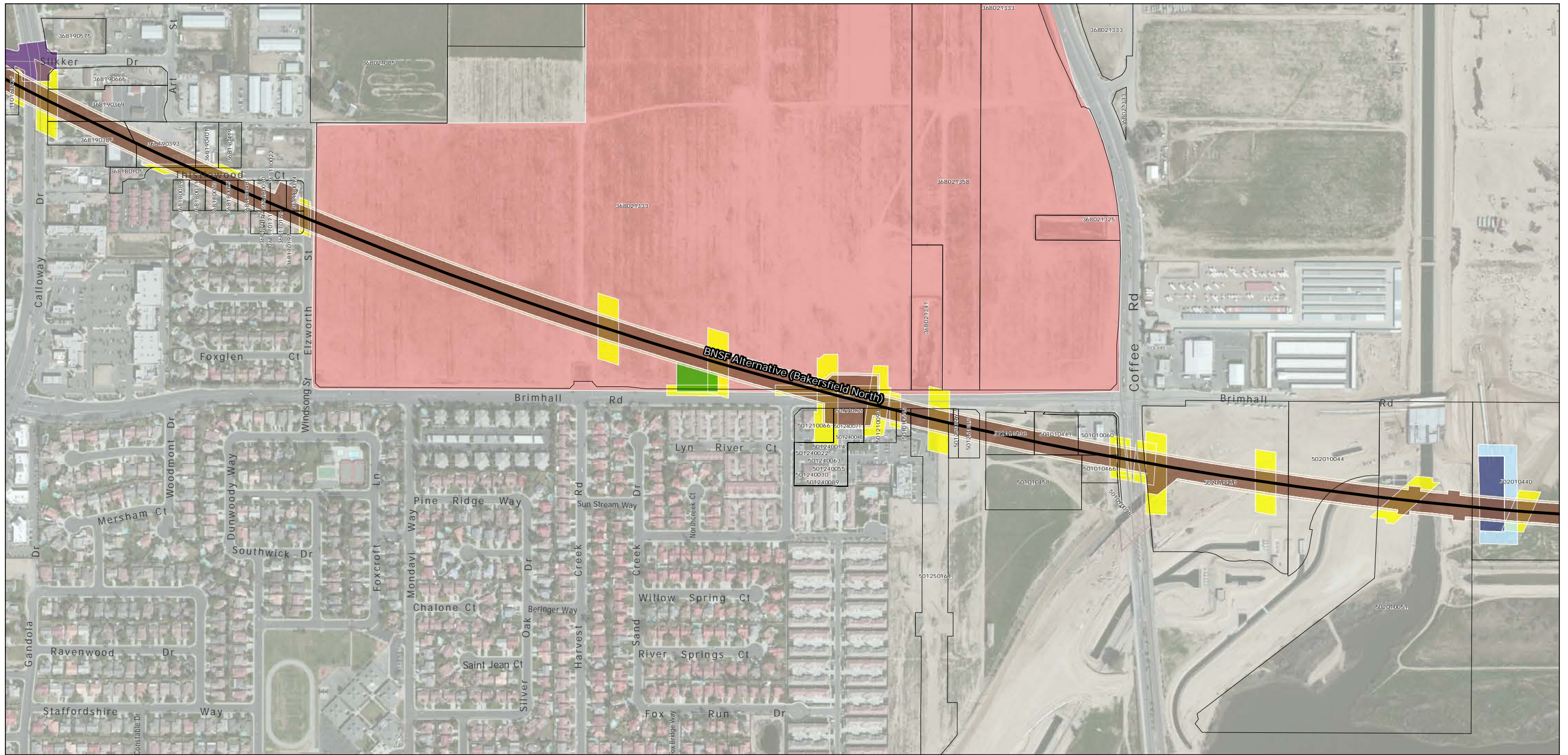


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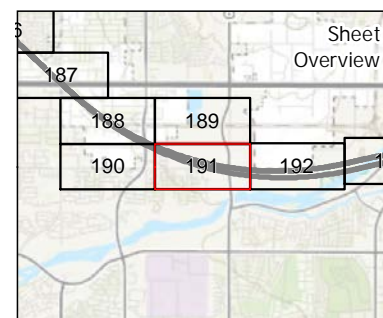
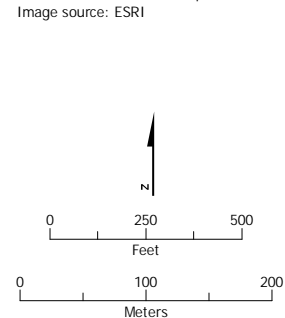


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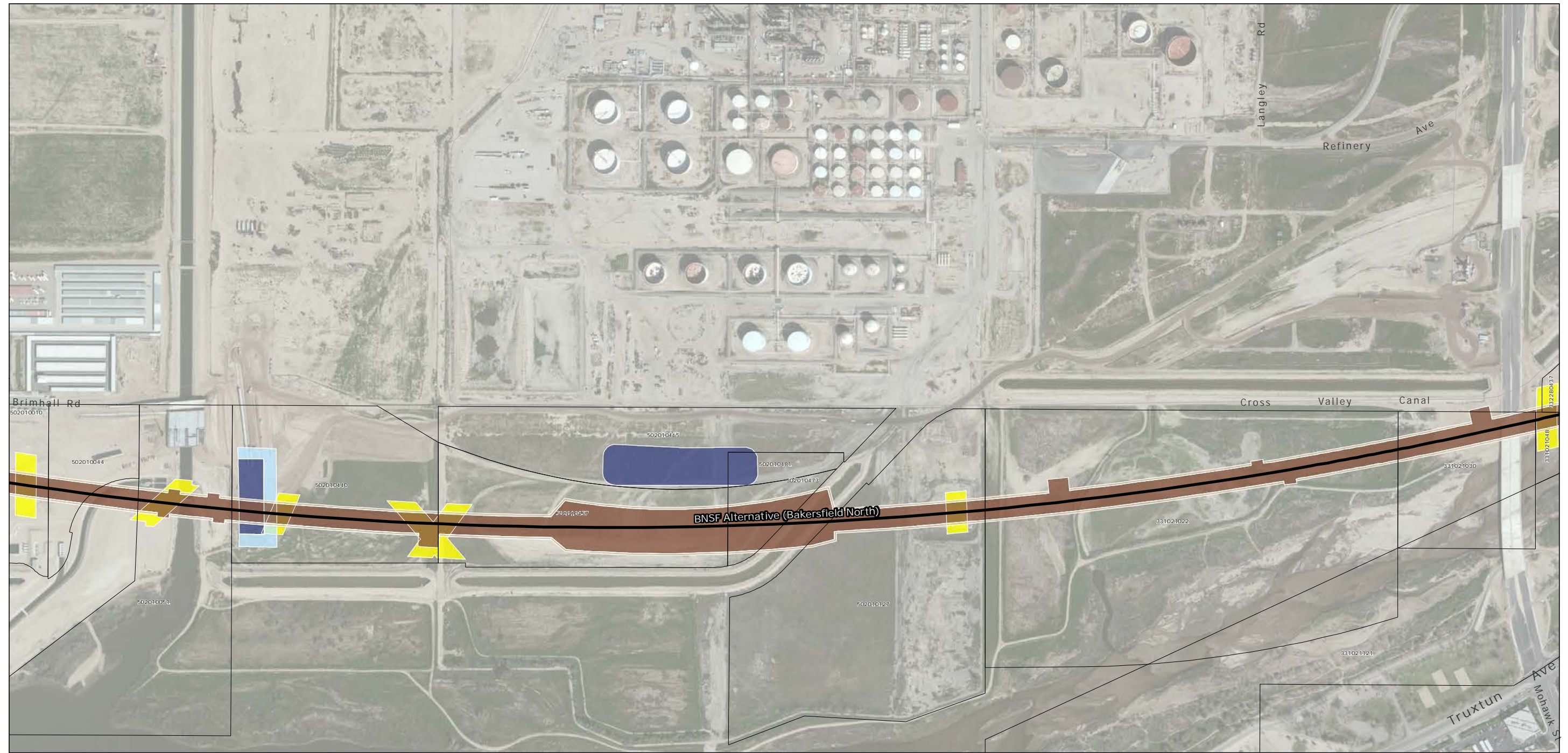


Data source: URS/HMM/Arup JV, 2014  
 Image source: ESRI

March 19, 2014

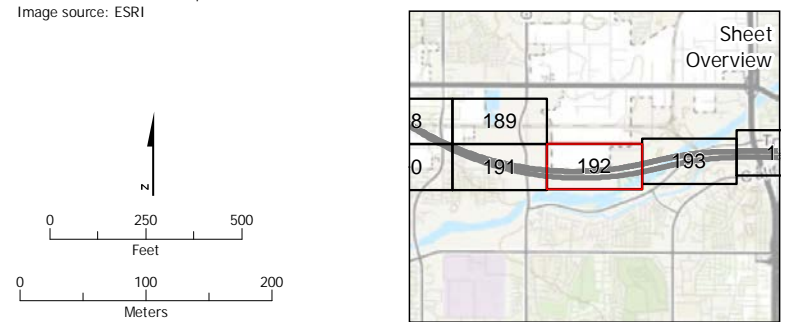


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|---|---|--|--|
| <ul style="list-style-type: none"> <li> Alternative alignments</li> <li> Parcel (APN displayed)</li> <li> Heavy maintenance facility</li> <li> Station</li> </ul> | <p><b>Project footprint by category type</b></p> <ul style="list-style-type: none"> <li> Construction area                             <ul style="list-style-type: none"> <li>Temporary</li> </ul> </li> <li> Roadway                             <ul style="list-style-type: none"> <li>Permanent (underpass/overpass, access road)</li> <li>Temporary (remove base and surfacing, construction easement)</li> </ul> </li> </ul> | <p><b>Utilities</b></p> <ul style="list-style-type: none"> <li> Temporary (Relocation of natural gas, petroleum, transmission, or water line)</li> </ul> <p><b>Systems</b></p> <ul style="list-style-type: none"> <li> Permanent (interlocking site, radio site, traction power facility)</li> <li> Temporary (construction easement)</li> </ul> | <p><b>Hydrology</b></p> <ul style="list-style-type: none"> <li> Permanent (canal relocation, drainage basin)</li> <li> Temporary (construction easement)</li> </ul> <p><b>Track</b></p> <ul style="list-style-type: none"> <li> Permanent (access road, freight rail relocation, HST tracks, maintenance of infrastructure)</li> <li> Temporary (construction easement)</li> </ul> |
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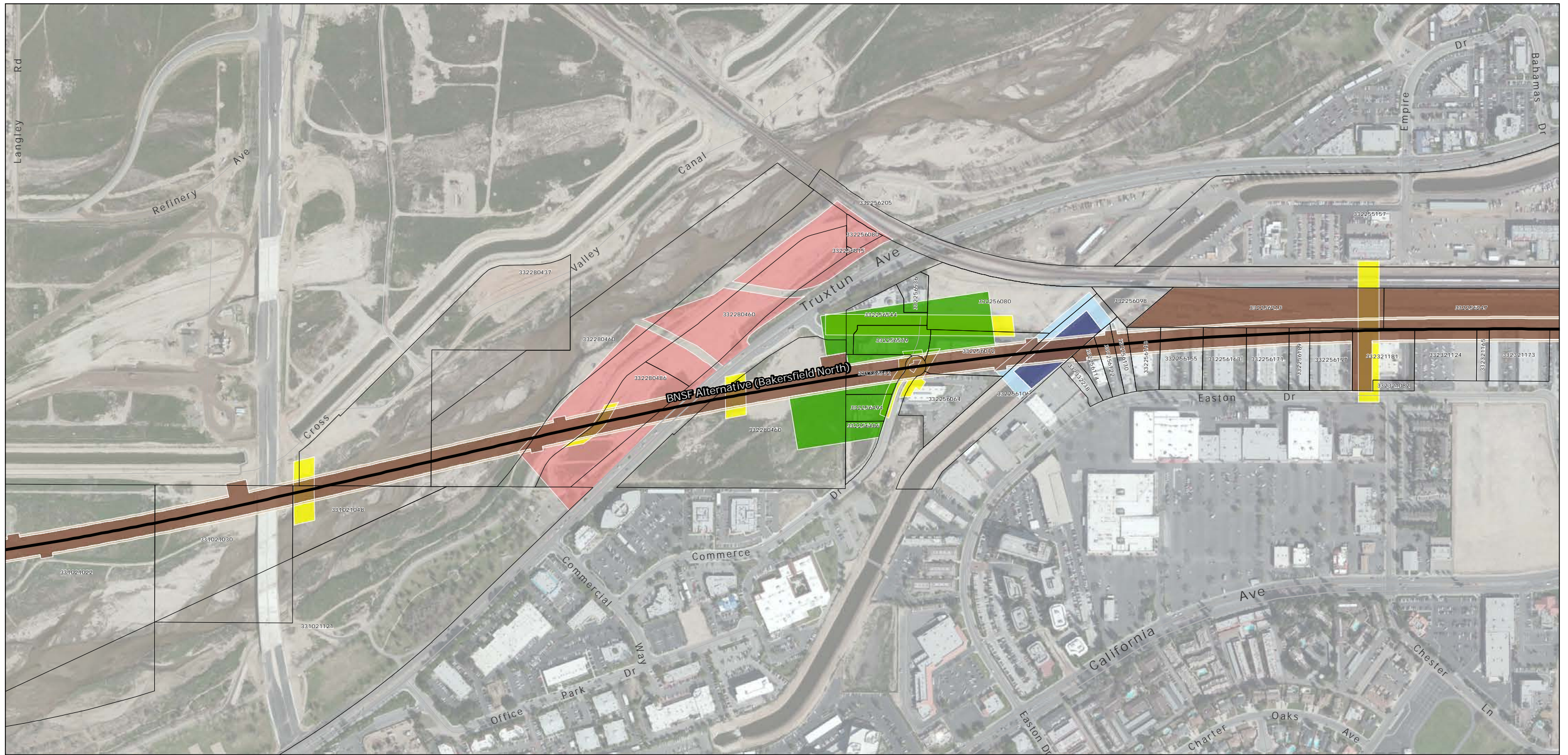


Data source: URS/HMM/Arup JV, 2014  
 Image source: ESRI

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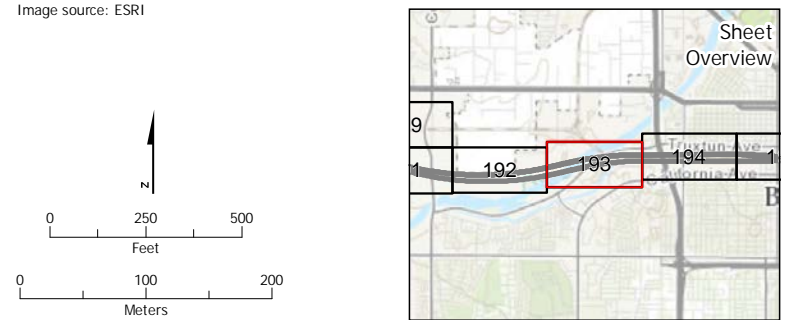


- Alternative alignments
  - Parcel (APN displayed)
  - Heavy maintenance facility
  - Station
- Project footprint by category type**
- Construction area**
    - Temporary
  - Roadway**
    - Permanent (underpass/overpass, access road)
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- Track**
- Permanent (access road, freight rail relocation, HST tracks, maintenance of infrastructure)
  - Temporary (construction easement)

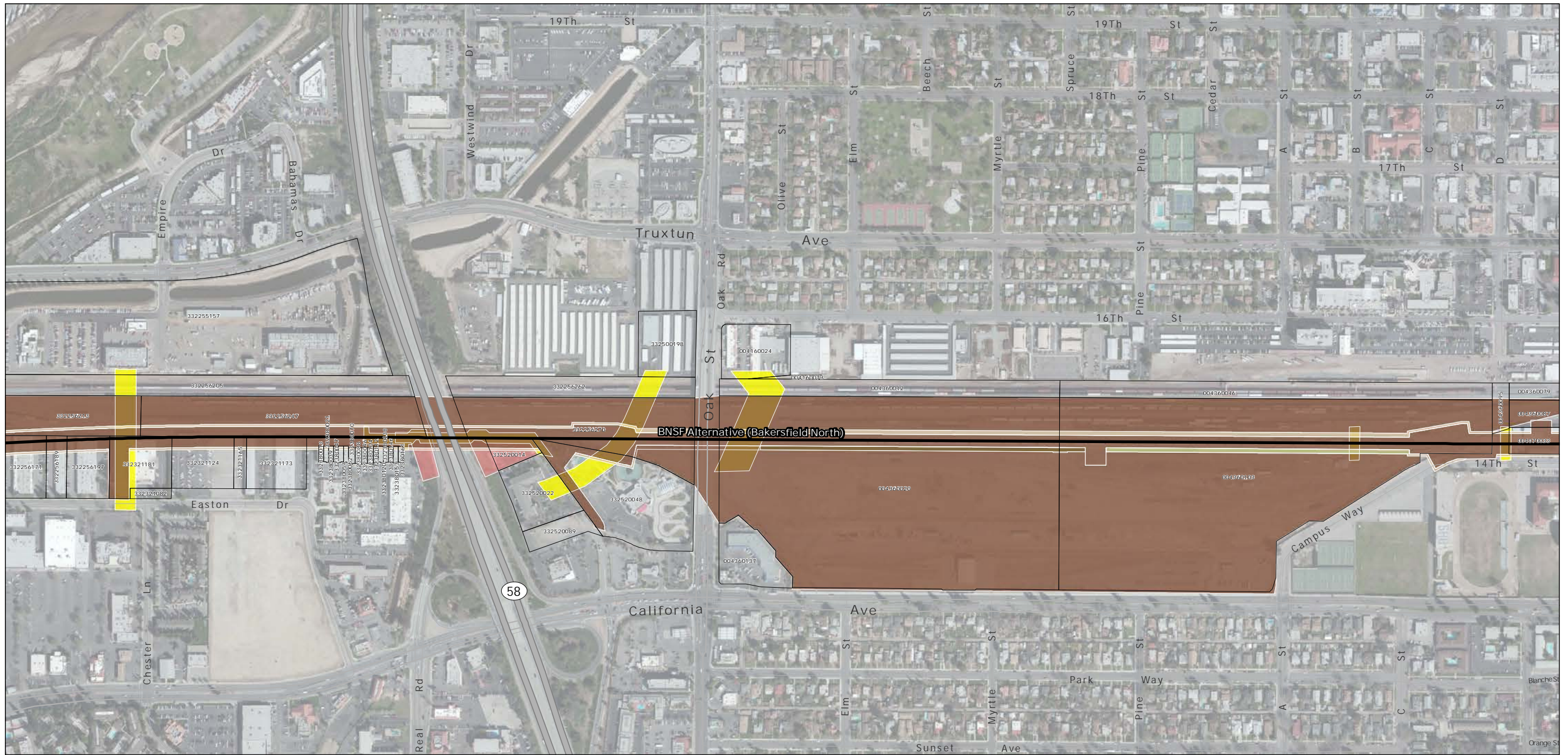


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March 19, 2014

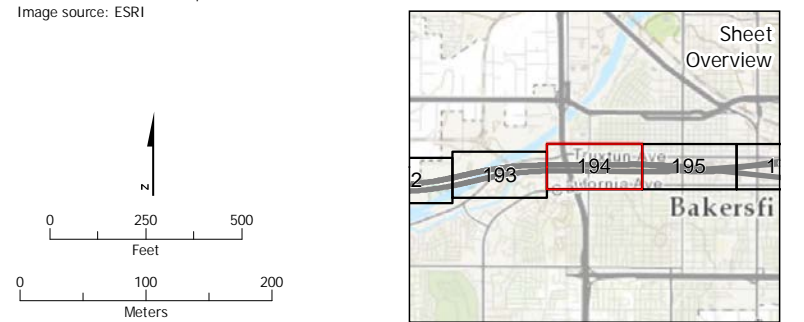


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  - Heavy maintenance facility
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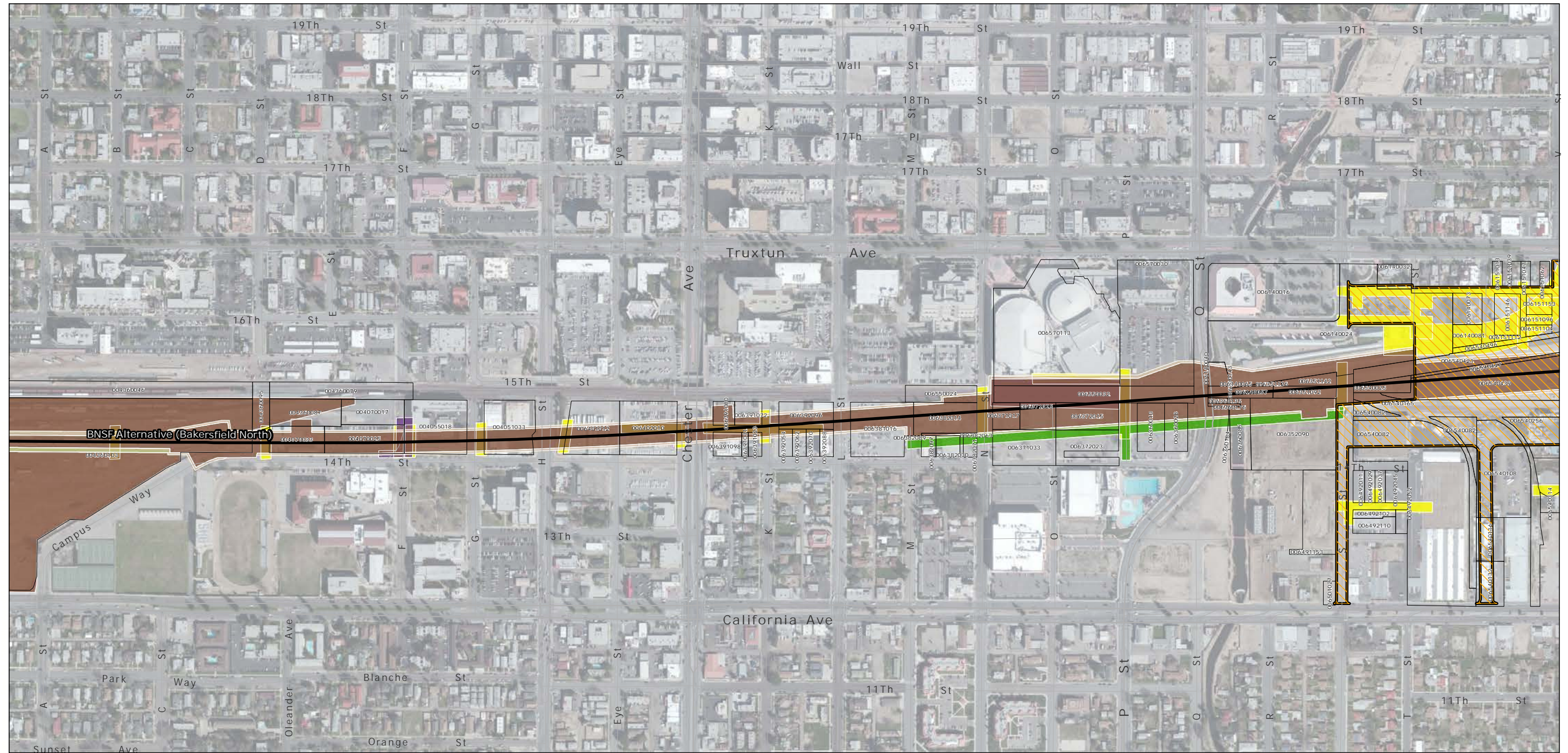


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March 19, 2014

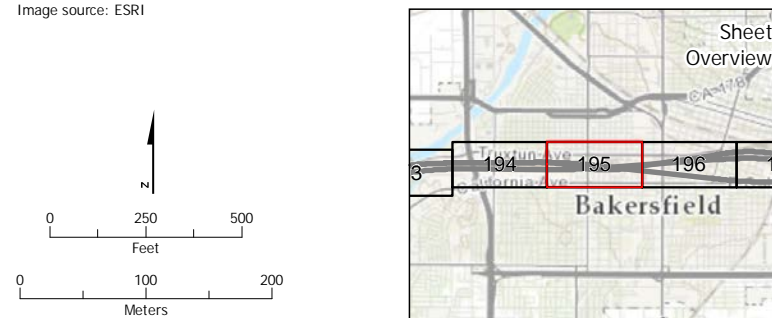


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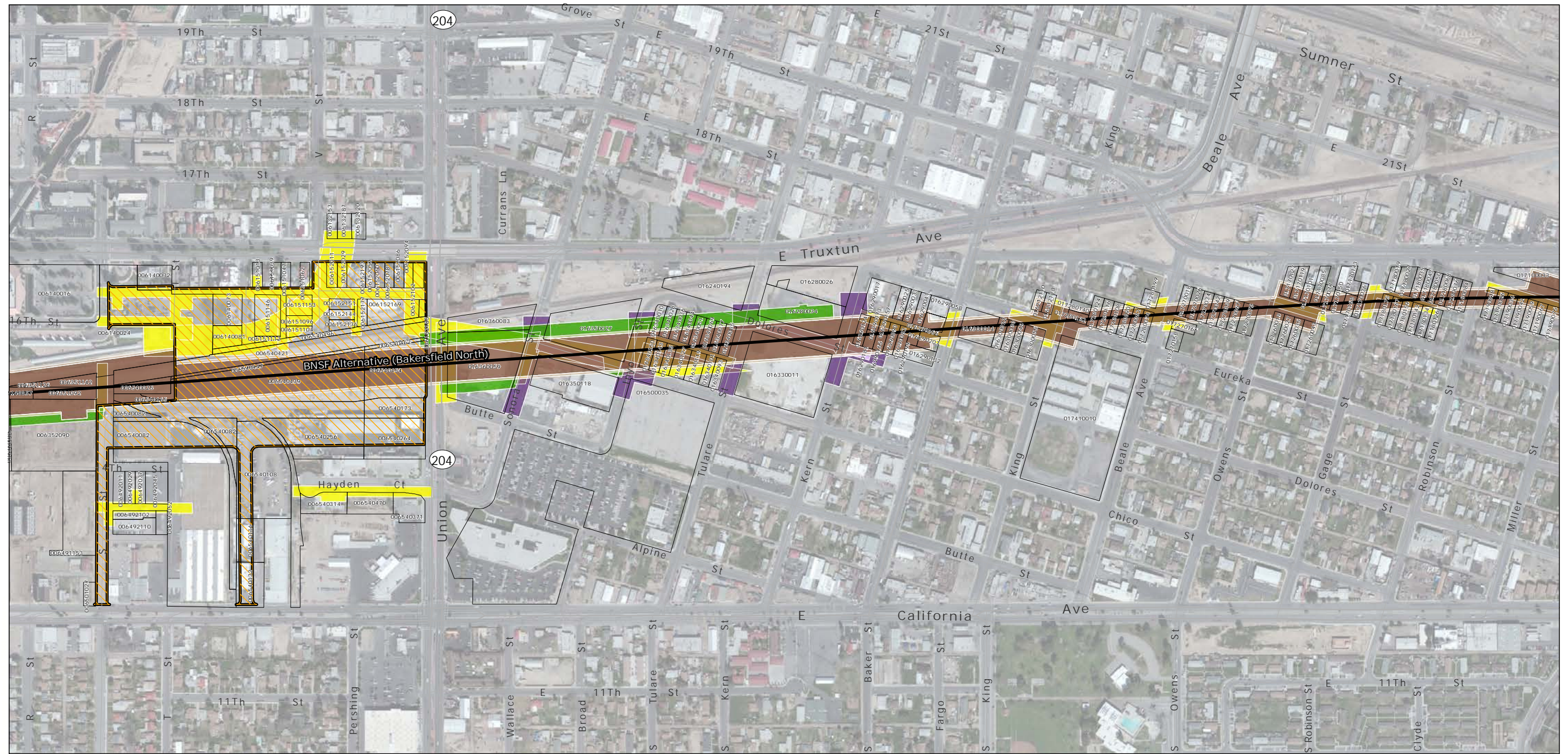


Data source: URS/HMM/Arup JV, 2014  
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March 19, 2014



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Data source: URS/HMM/Arup JV, 2014  
 Image source: ESRI

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**Alternative alignments**

- Alternative alignments
- Parcel (APN displayed)
- Heavy maintenance facility
- Station

**Project footprint by category type**

**Construction area**

- Temporary

**Roadway**

- Permanent (underpass/overpass, access road)
- Temporary (remove base and surfacing, construction easement)

**Utilities**

- Temporary (Relocation of natural gas, petroleum, transmission, or water line)

**Systems**

- Permanent (interlocking site, radio site, traction power facility)
- Temporary (construction easement)

**Hydrology**

- Permanent (canal relocation, drainage basin)
- Temporary (construction easement)

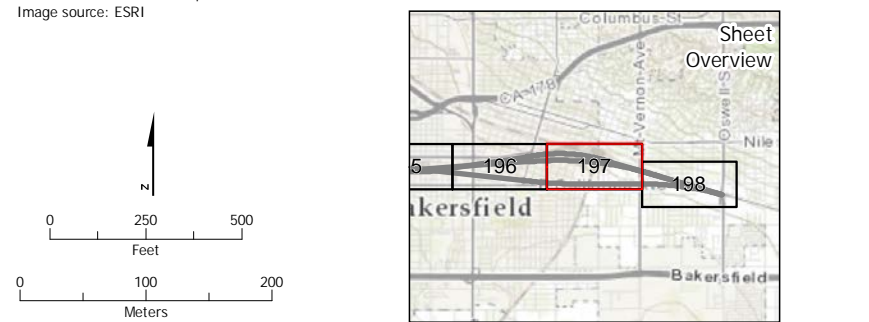
**Track**

- Permanent (access road, freight rail relocation, HST tracks, maintenance of infrastructure)
- Temporary (construction easement)



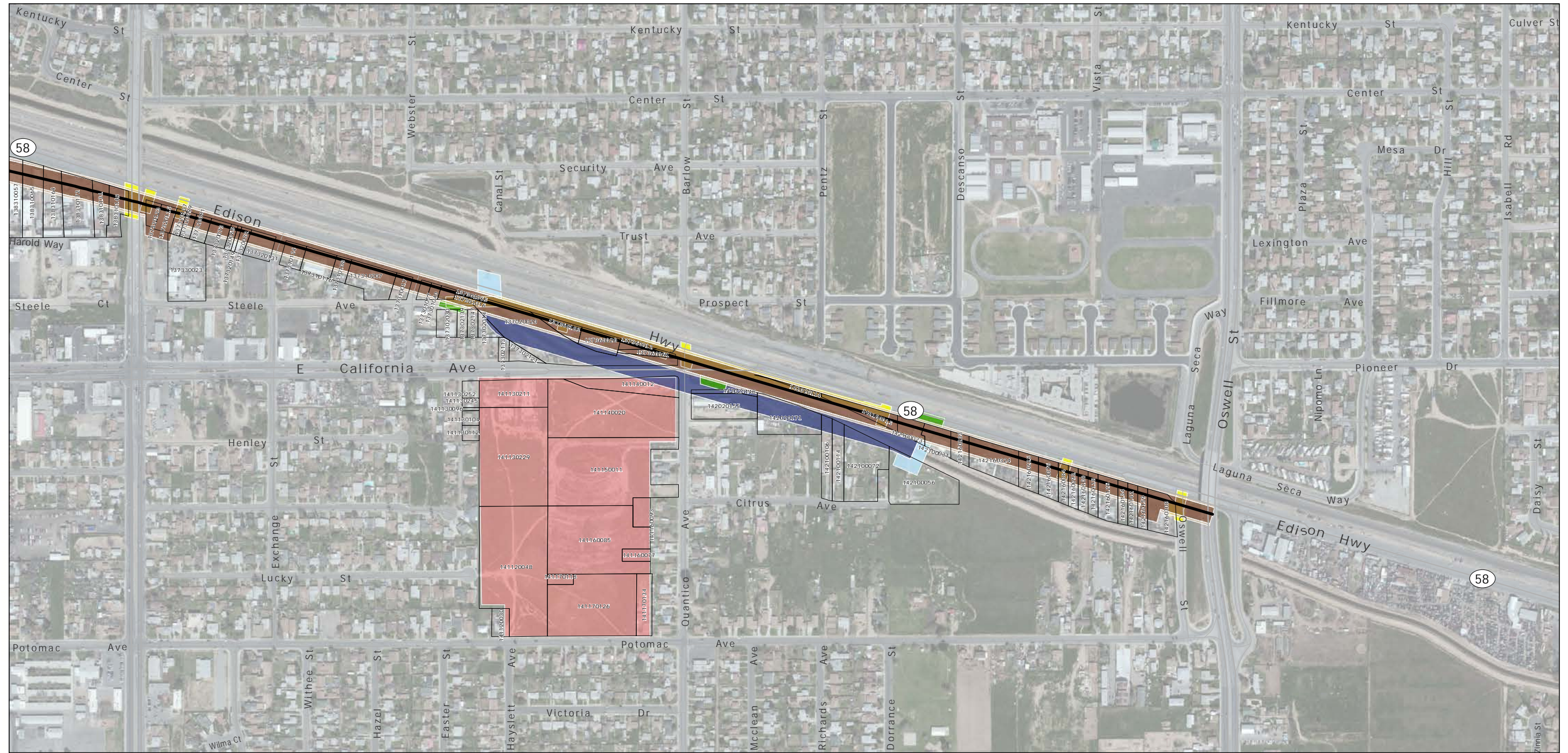
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March 19, 2014



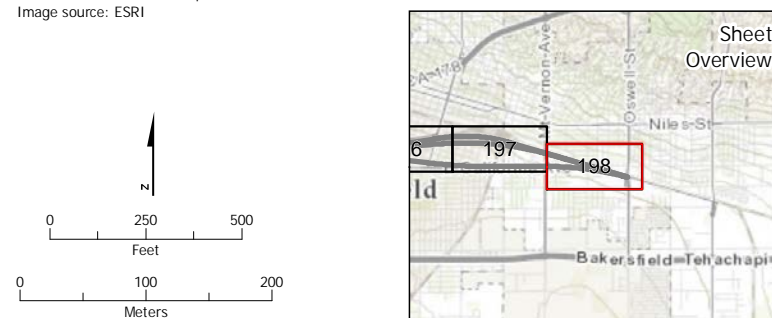
- Alternative alignments
  - Parcel (APN displayed)
  - Heavy maintenance facility
  - Station
- Project footprint by category type**
- Construction area**
    - Temporary
  - Roadway**
    - Permanent (underpass/overpass, access road)
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Data source: URS/HMM/Arup JV, 2014  
 Image source: ESRI

March 19, 2014



- Alternative alignments
  - Parcel (APN displayed)
  - Heavy maintenance facility
  - Station
- Project footprint by category type**
- Construction area**
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Data source: URS/HMM/Arup JV, 2014  
 Image source: ESRI

March 19, 2014

Sheet Overview

**Alternative alignments**

- Alternative alignments
- Parcel (APN displayed)
- Heavy maintenance facility
- Station

**Project footprint by category type**

**Construction area**

- Temporary

**Roadway**

- Permanent (underpass/overpass, access road)
- Temporary (remove base and surfacing, construction easement)

**Utilities**

- Temporary (Relocation of natural gas, petroleum, transmission, or water line)

**Systems**

- Permanent (interlocking site, radio site, traction power facility)
- Temporary (construction easement)

**Hydrology**

- Permanent (canal relocation, drainage basin)
- Temporary (construction easement)

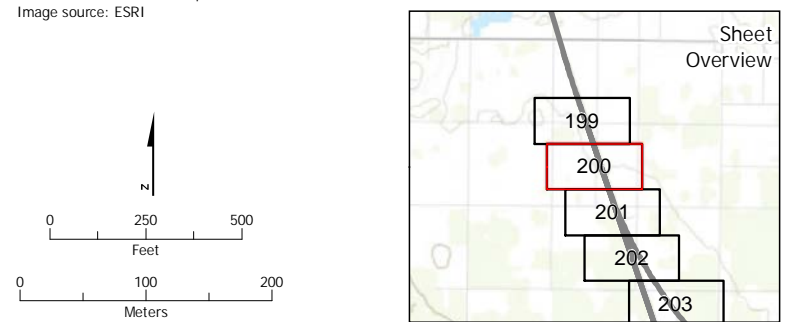
**Track**

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- Temporary (construction easement)

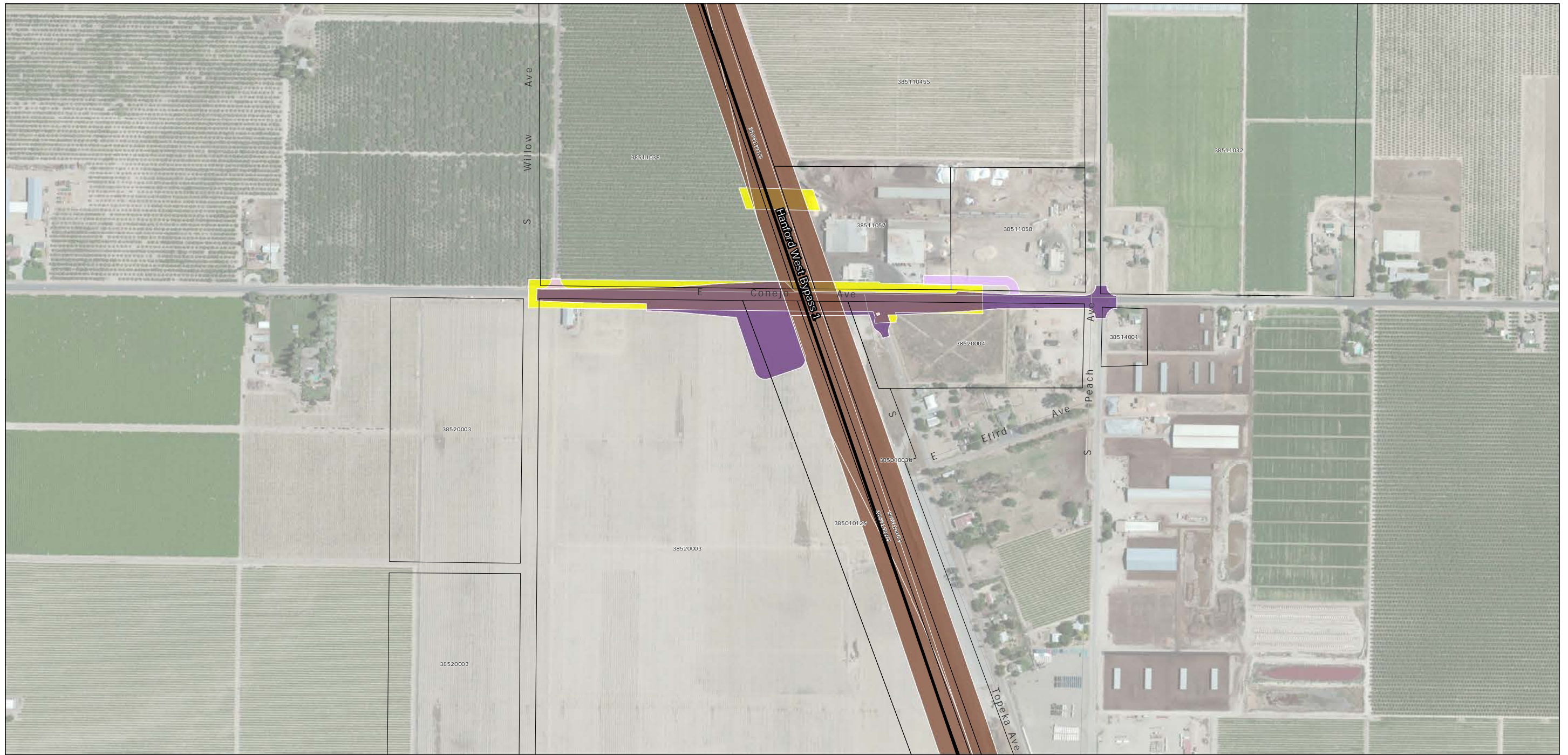


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March 19, 2014

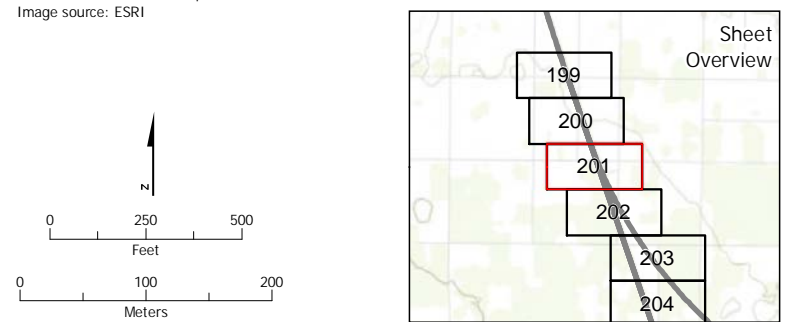


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Data source: URS/HMM/Arup JV, 2014  
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March 19, 2014

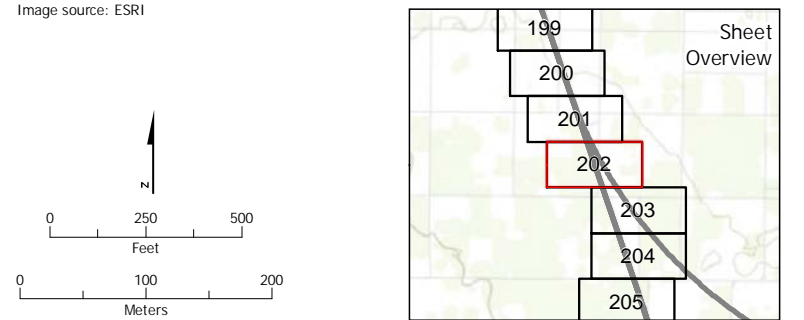


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 Image source: ESRI

March 19, 2014

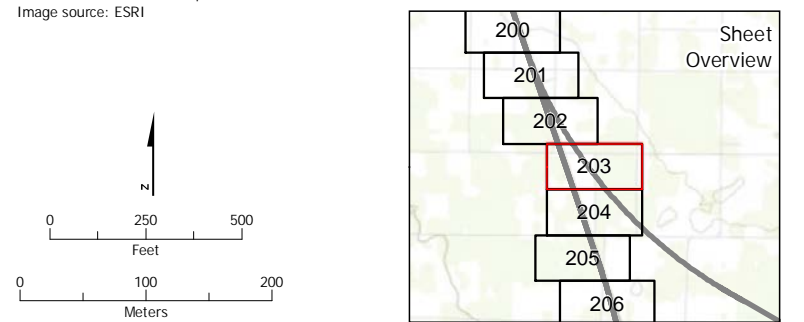


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| <ul style="list-style-type: none"> <li> Alternative alignments</li> <li> Parcel (APN displayed)</li> <li> Heavy maintenance facility</li> <li> Station</li> </ul> | <p><b>Project footprint by category type</b></p> <p><b>Construction area</b></p> <ul style="list-style-type: none"> <li> Temporary</li> </ul> <p><b>Roadway</b></p> <ul style="list-style-type: none"> <li> Permanent (underpass/overpass, access road)</li> <li> Temporary (remove base and surfacing, construction easement)</li> </ul> | <p><b>Utilities</b></p> <ul style="list-style-type: none"> <li> Temporary (Relocation of natural gas, petroleum, transmission, or water line)</li> </ul> <p><b>Systems</b></p> <ul style="list-style-type: none"> <li> Permanent (interlocking site, radio site, traction power facility)</li> <li> Temporary (construction easement)</li> </ul> | <p><b>Hydrology</b></p> <ul style="list-style-type: none"> <li> Permanent (canal relocation, drainage basin)</li> <li> Temporary (construction easement)</li> </ul> <p><b>Track</b></p> <ul style="list-style-type: none"> <li> Permanent (access road, freight rail relocation, HST tracks, maintenance of infrastructure)</li> <li> Temporary (construction easement)</li> </ul> |
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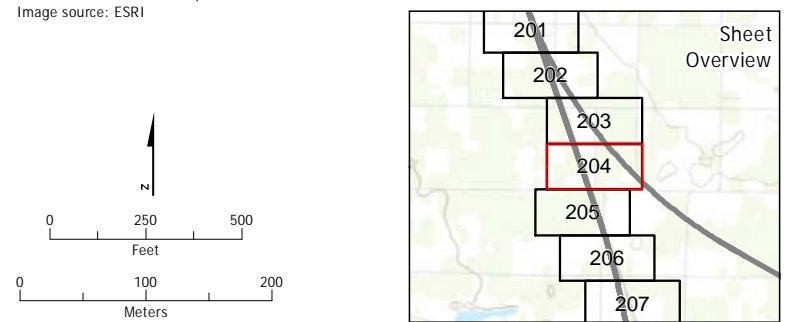


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Data source: URS/HMM/Arup JV, 2014  
 Image source: ESRI

March 19, 2014

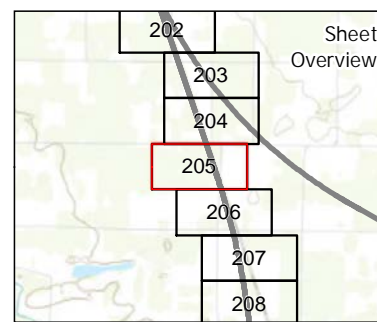
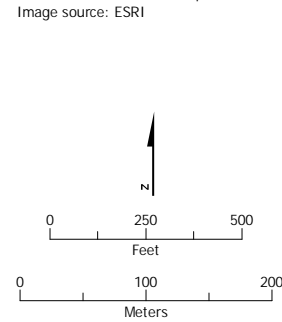


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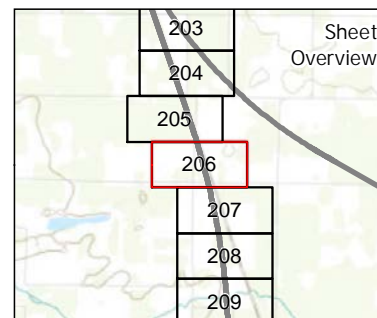
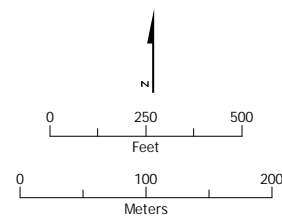
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- Alternative alignments
- Parcel (APN displayed)
- Heavy maintenance facility
- Station

- Project footprint by category type**
- Construction area**
    - Temporary
  - Roadway**
    - Permanent (underpass/overpass, access road)
    - Temporary (remove base and surfacing, construction easement)

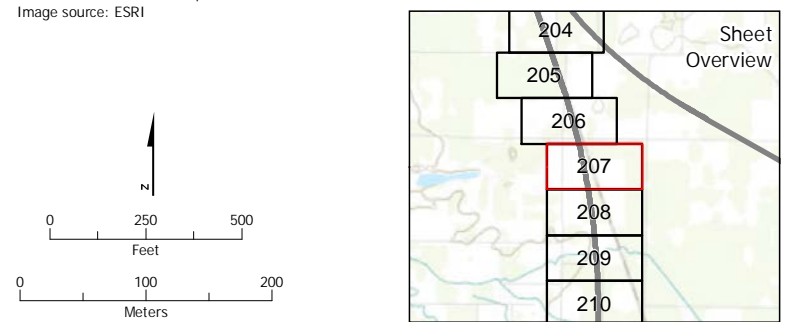
- Utilities**
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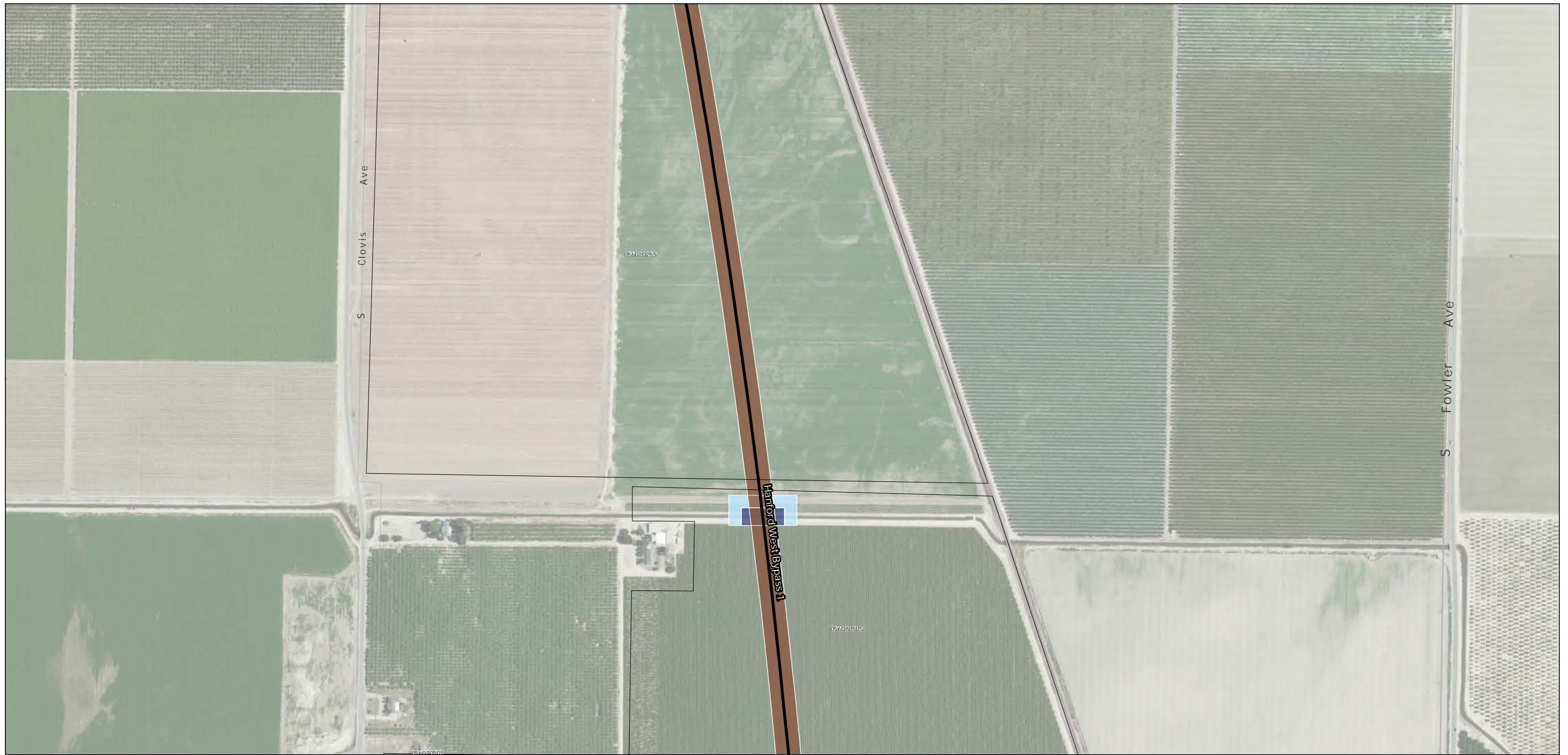


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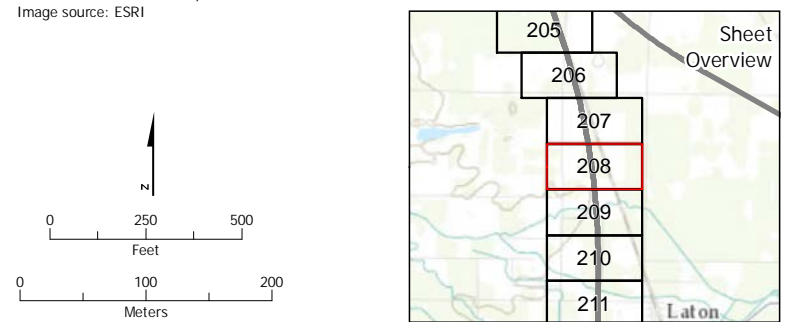


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|---|---|--|--|
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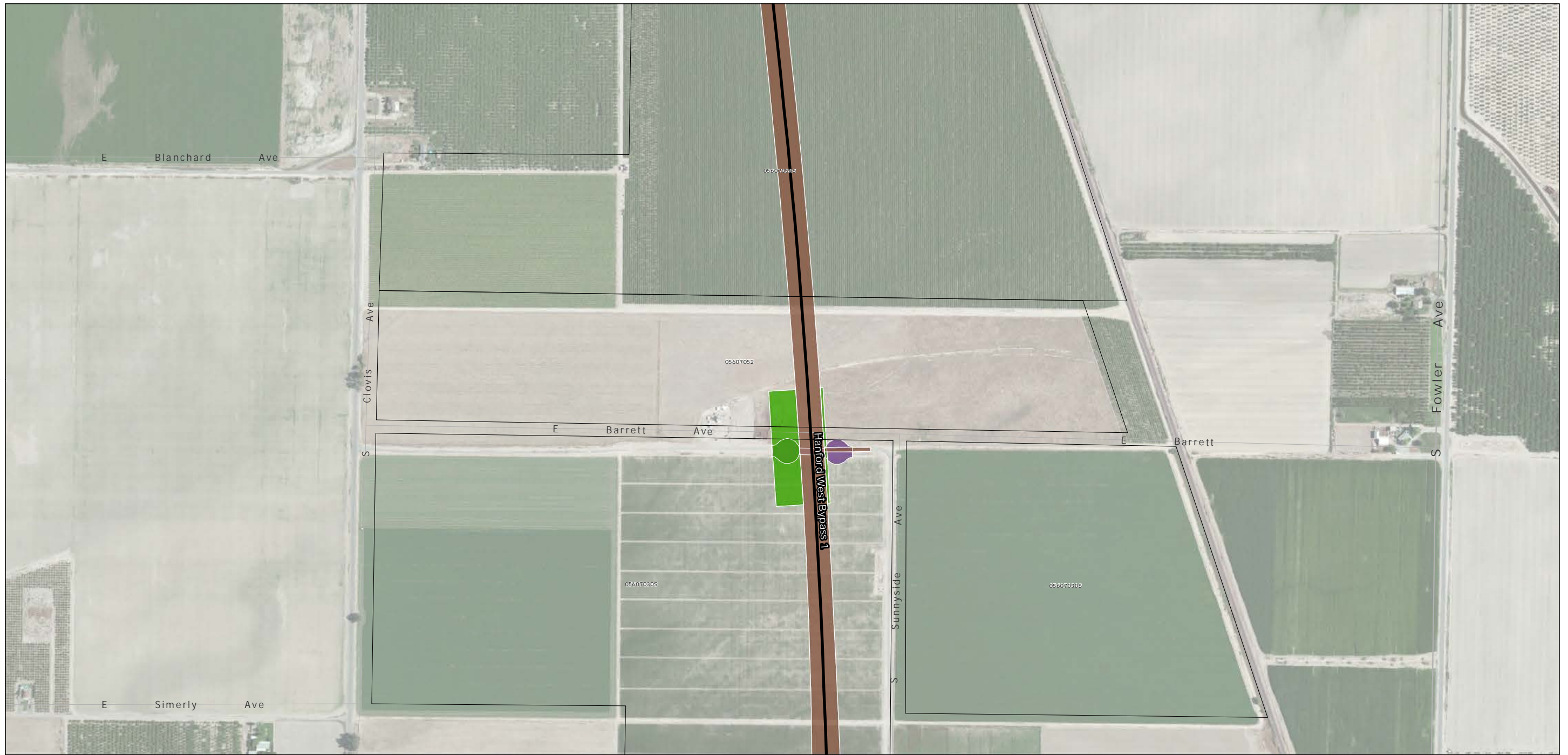


Data source: URS/HMM/Arup JV, 2014  
 Image source: ESRI

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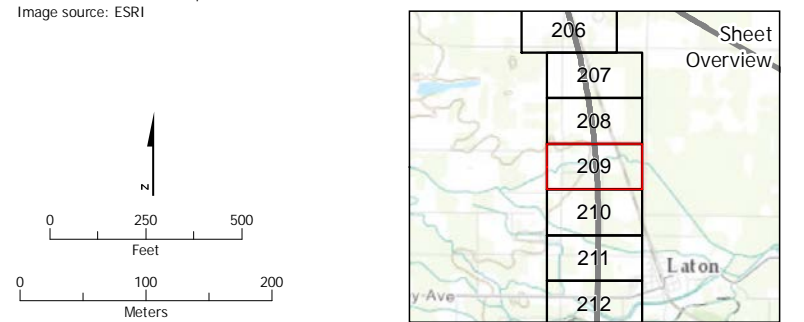


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Data source: URS/HMM/Arup JV, 2014  
 Image source: ESRI

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- Alternative alignments
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- Heavy maintenance facility
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- Project footprint by category type**
- Construction area**
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- Roadway**
- Permanent (underpass/overpass, access road)
  - Temporary (remove base and surfacing, construction easement)

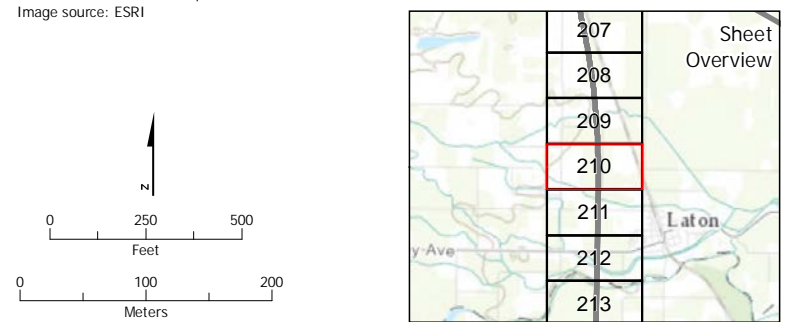
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- Temporary (Relocation of natural gas, petroleum, transmission, or water line)
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March 19, 2014



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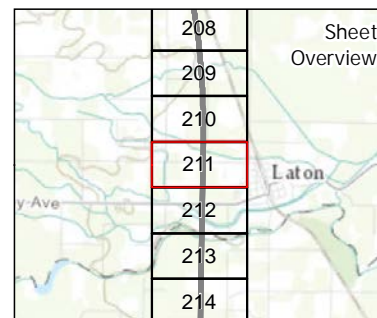
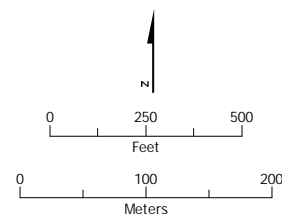
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Data source: URS/HMM/Arup JV, 2014  
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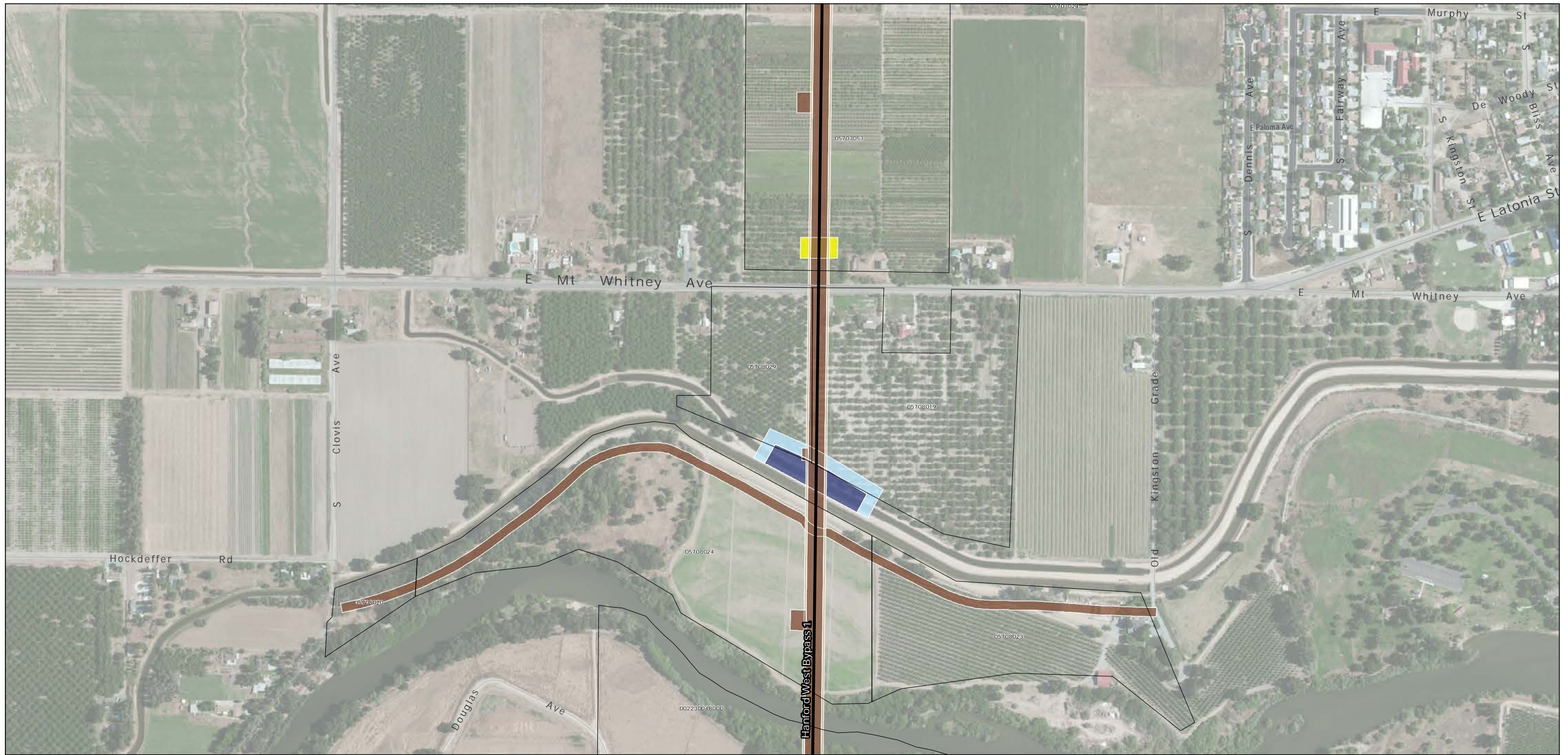


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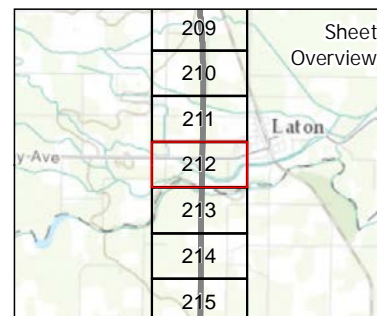
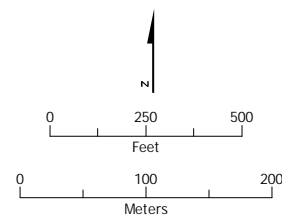
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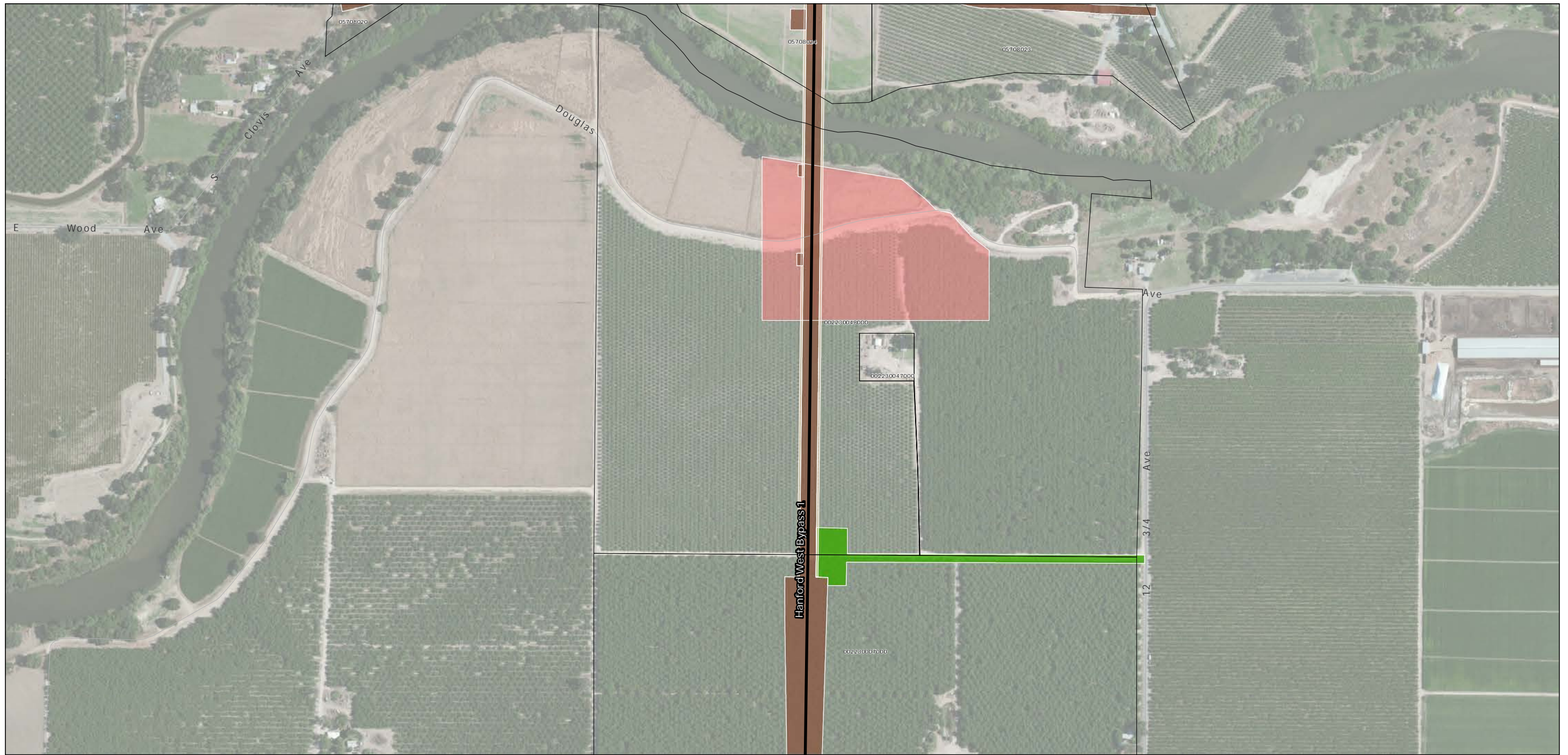


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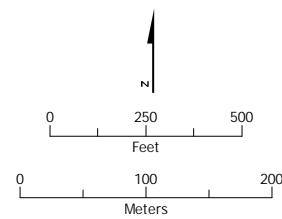
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 Image source: ESRI

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Sheet Number	Sheet Overview
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211	
212	
213	<b>Laton</b>
214	
215	
216	

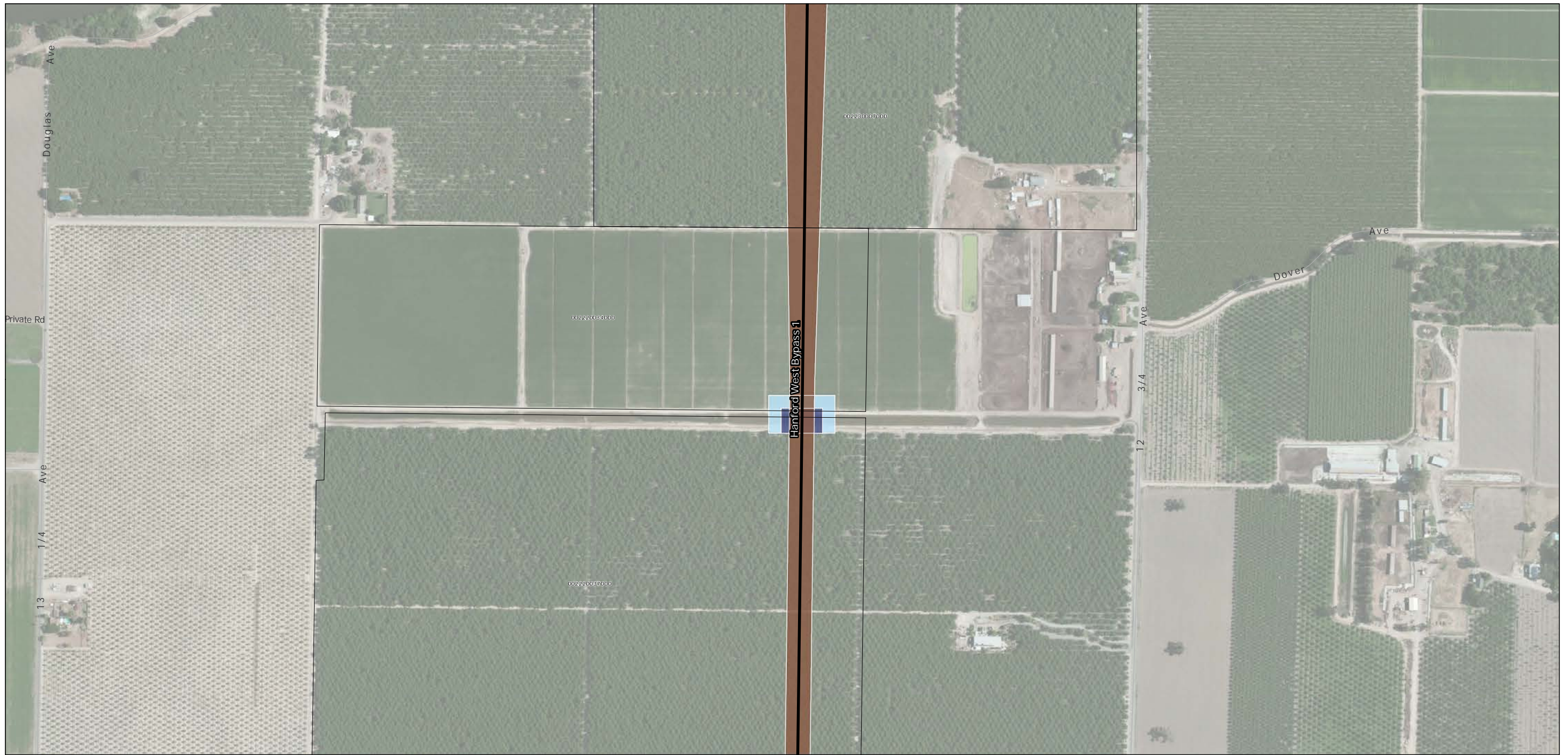
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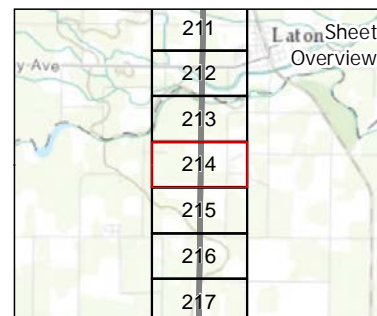
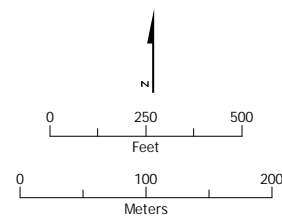
- Hydrology**
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Data source: URS/HMM/Arup JV, 2014  
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March 19, 2014

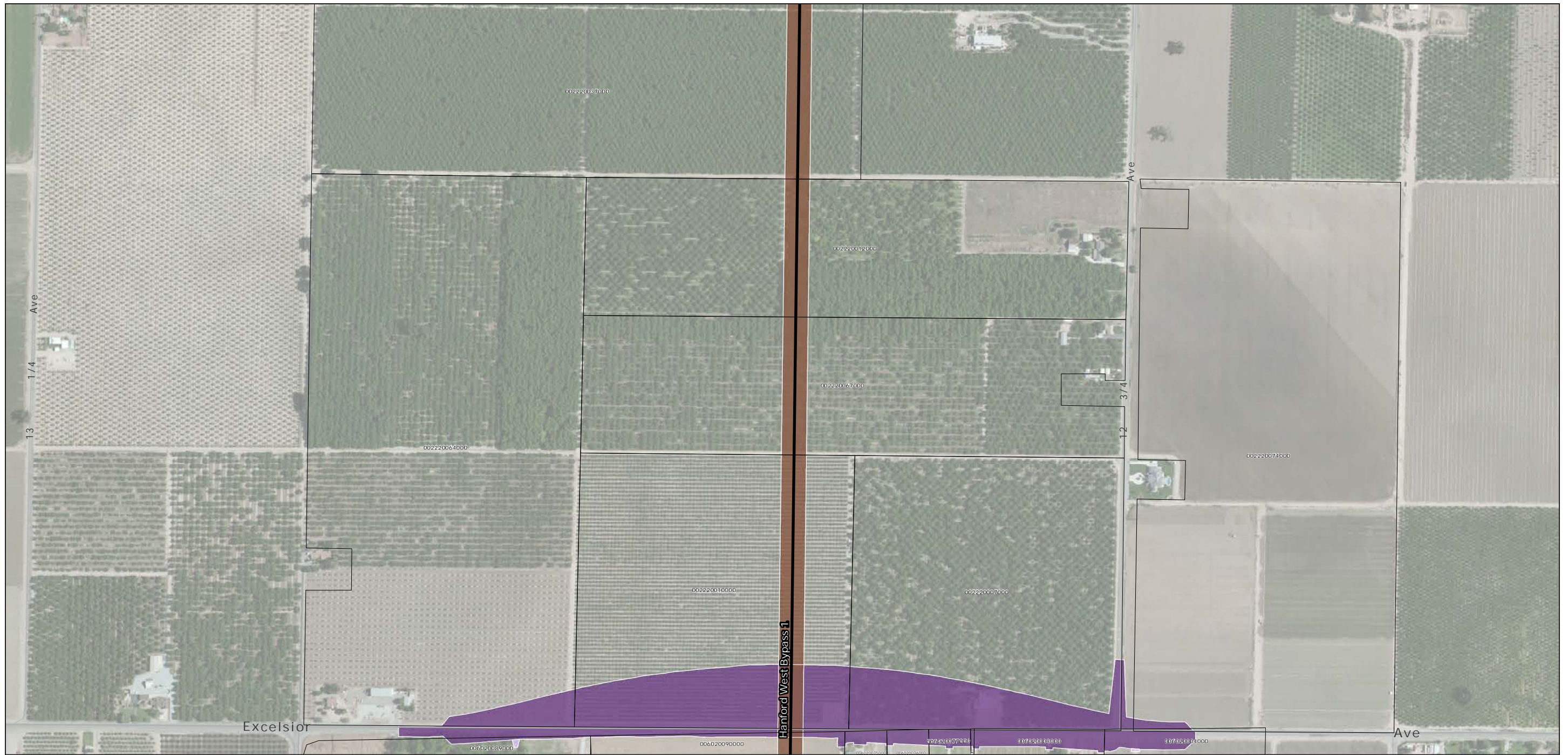


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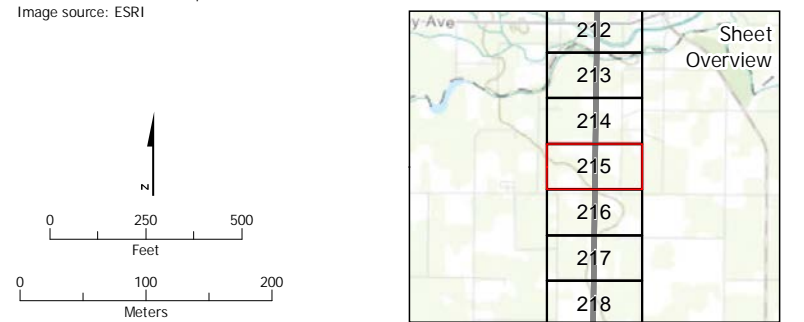
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Data source: URS/HMM/Arup JV, 2014  
 Image source: ESRI

March 19, 2014

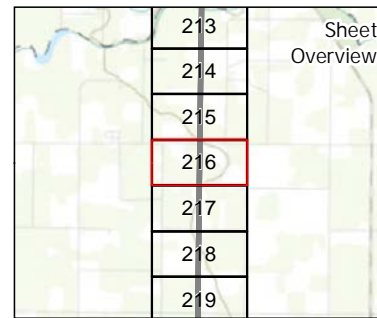
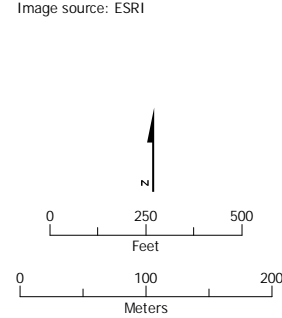


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March 19, 2014

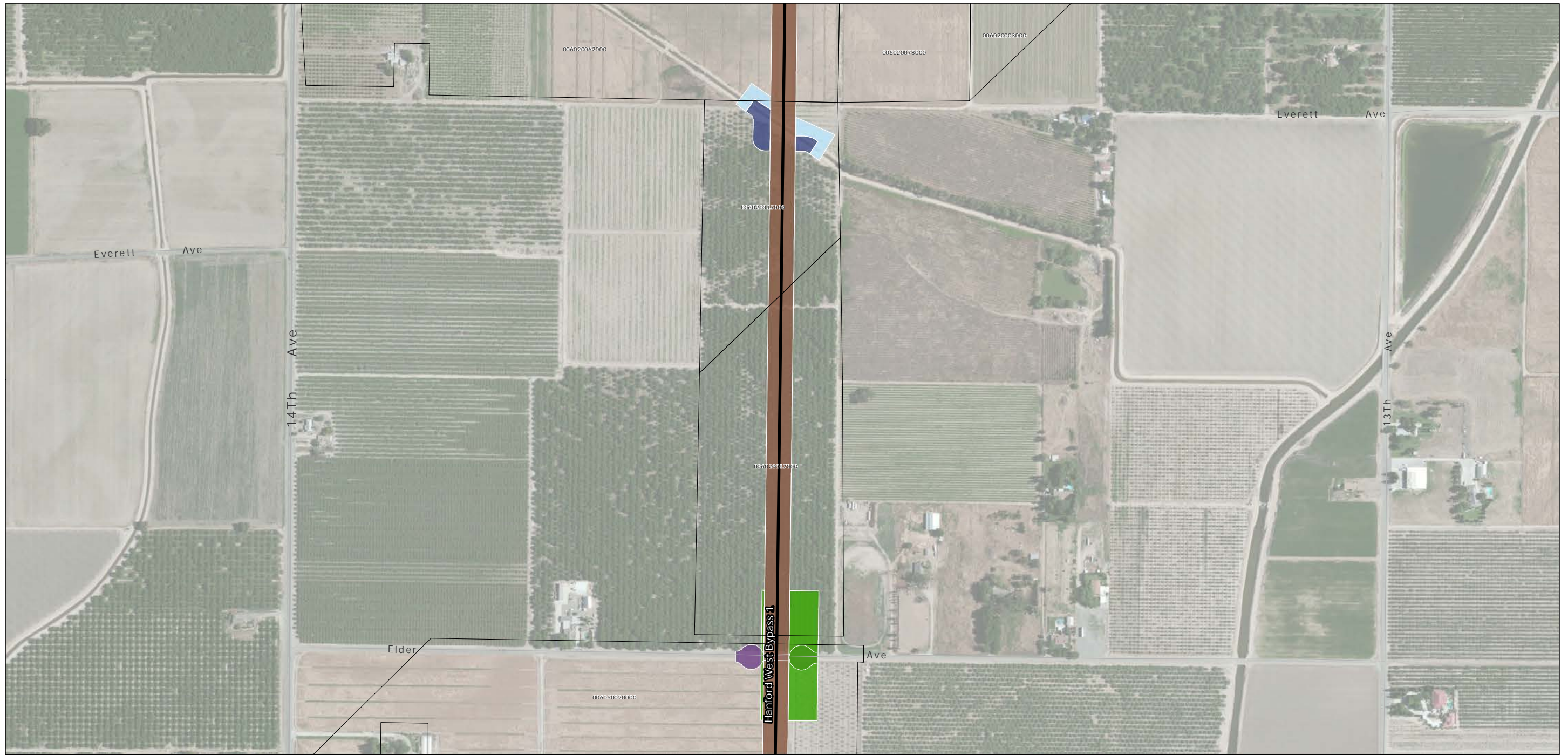


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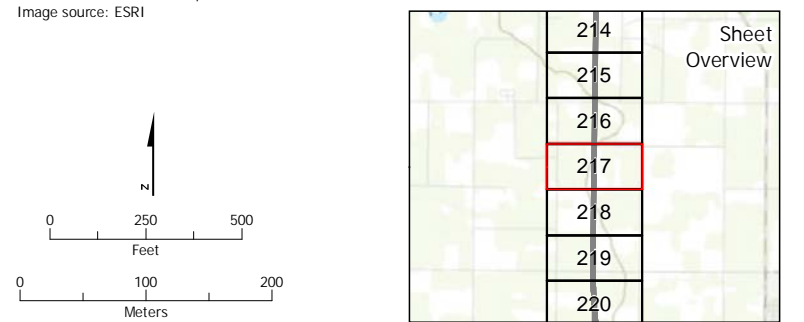
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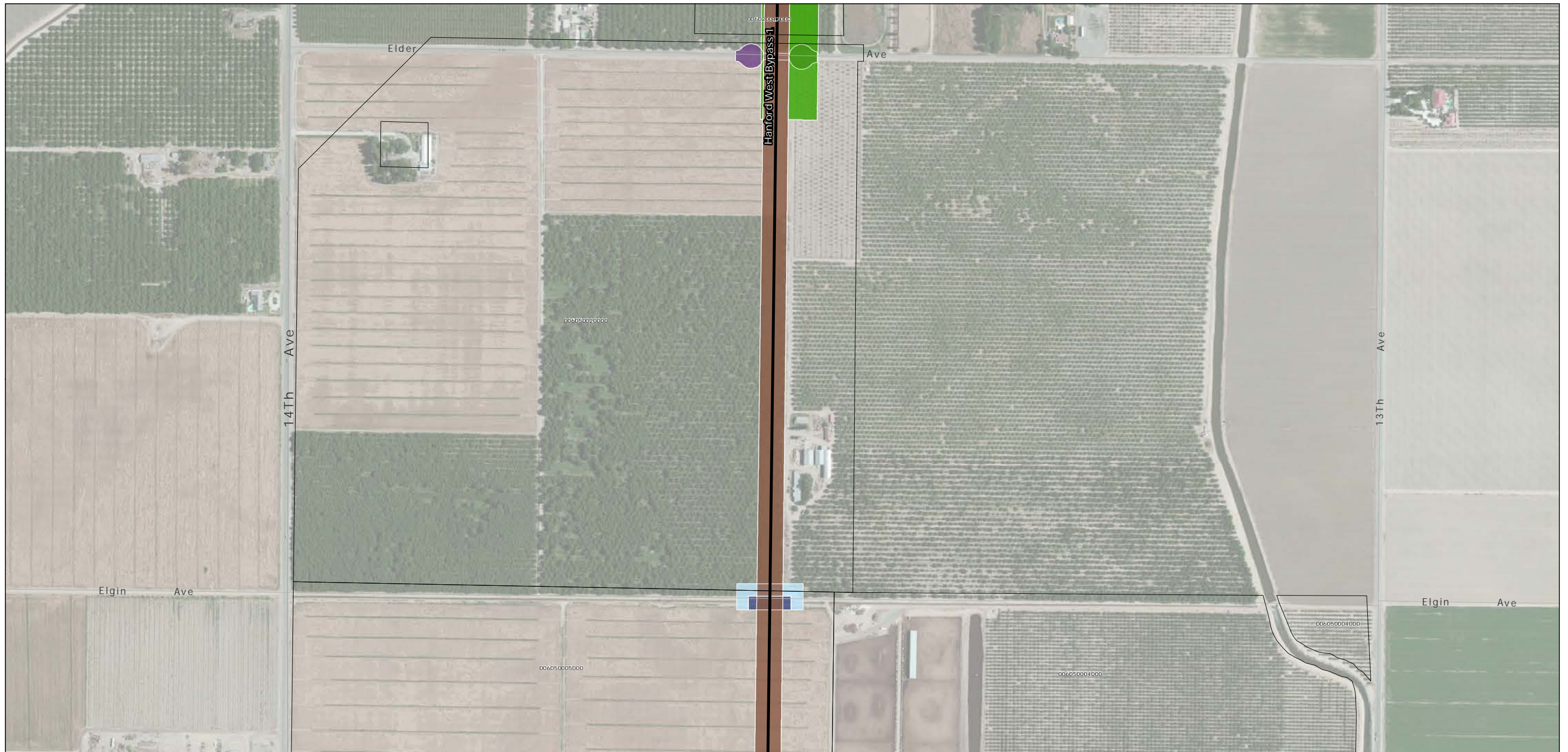


Data source: URS/HMM/Arup JV, 2014  
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March 19, 2014



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March 19, 2014

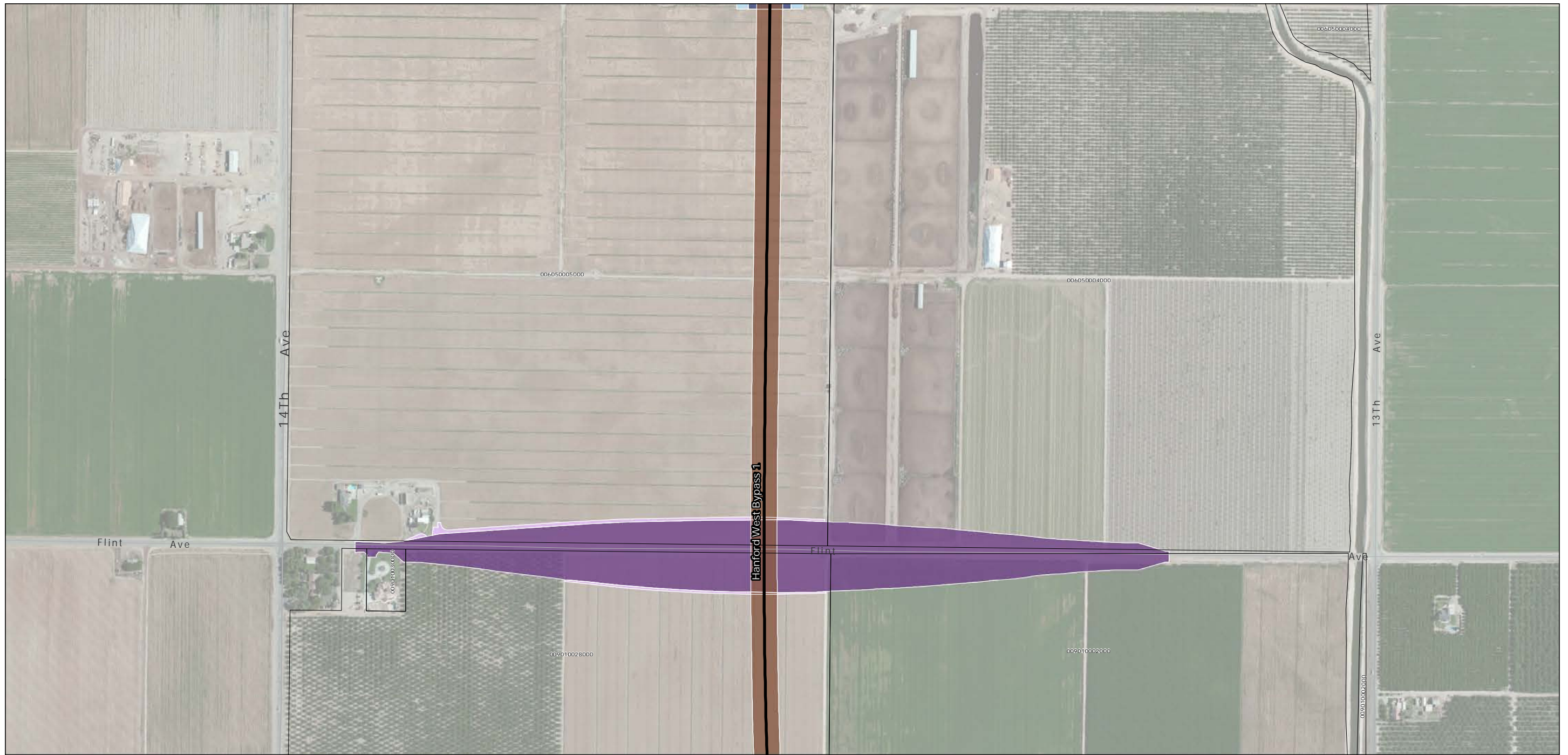


- Alternative alignments
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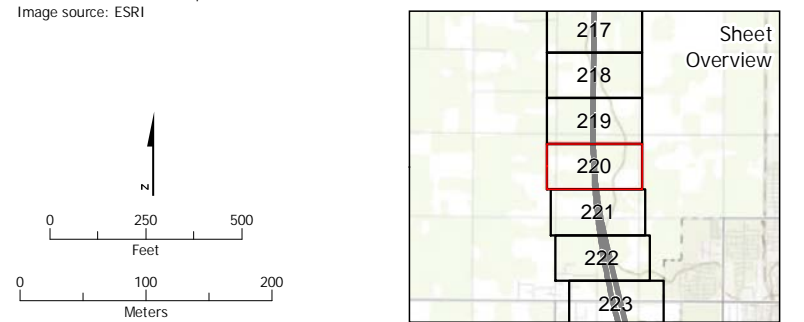


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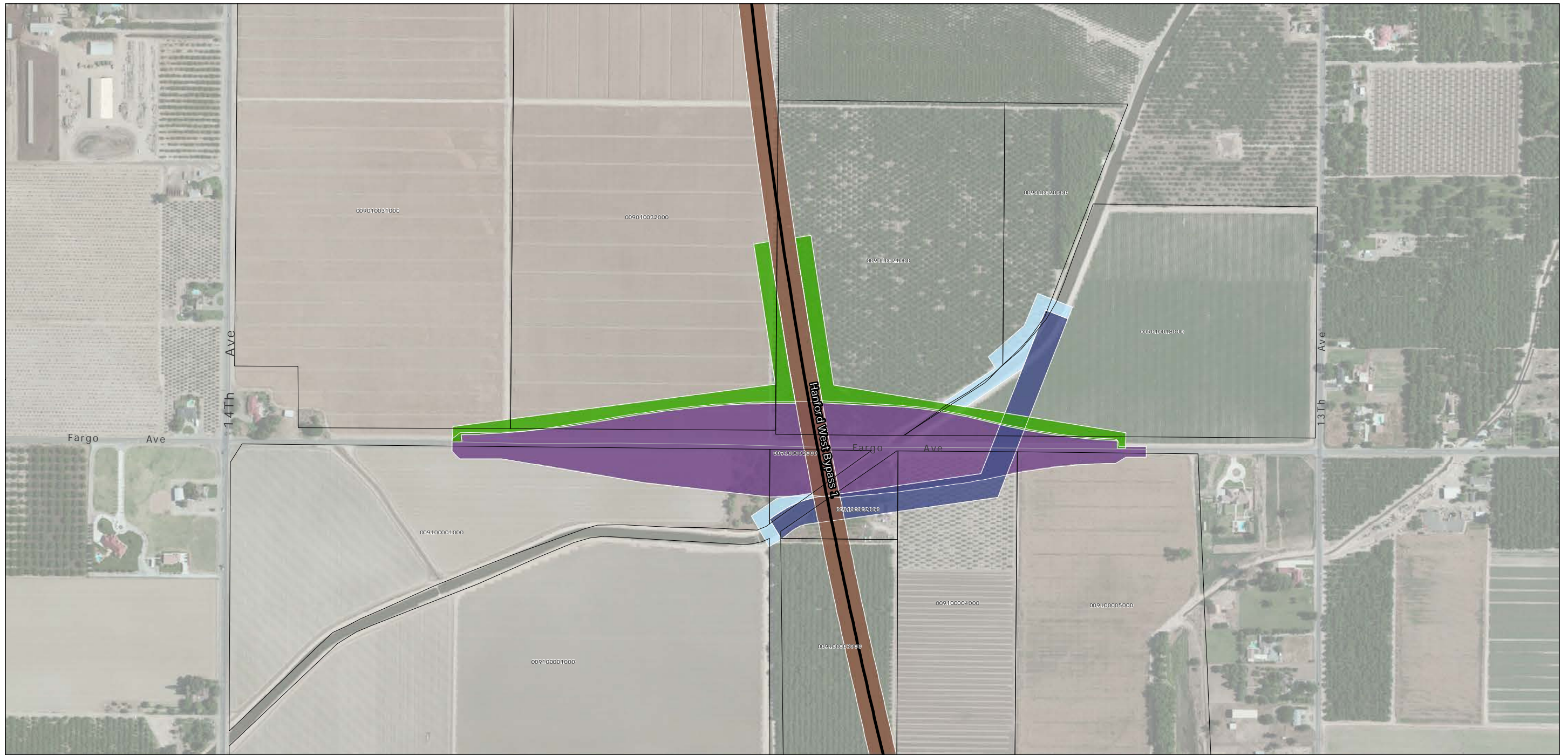


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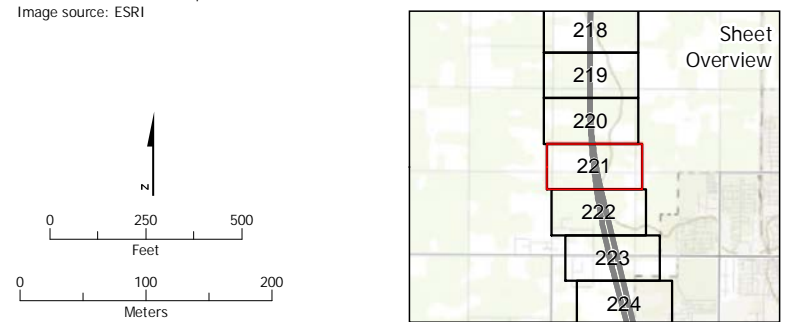


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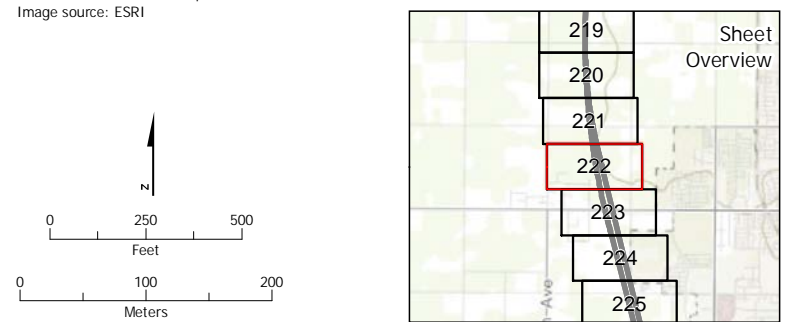
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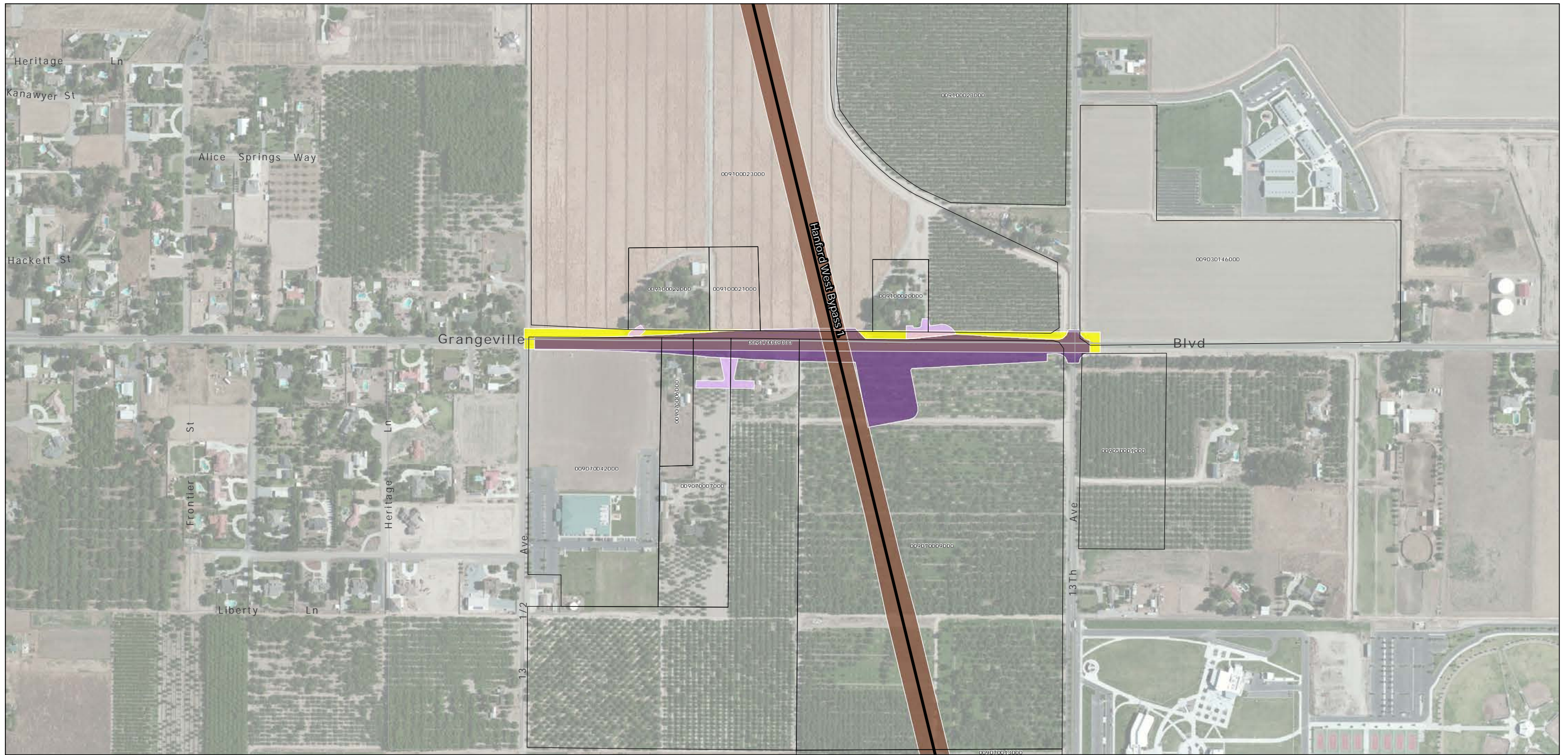


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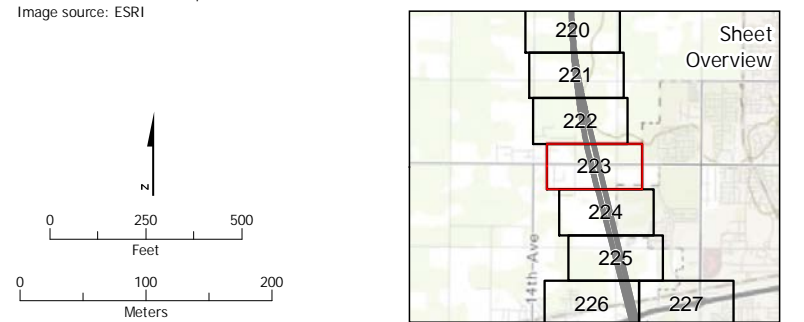
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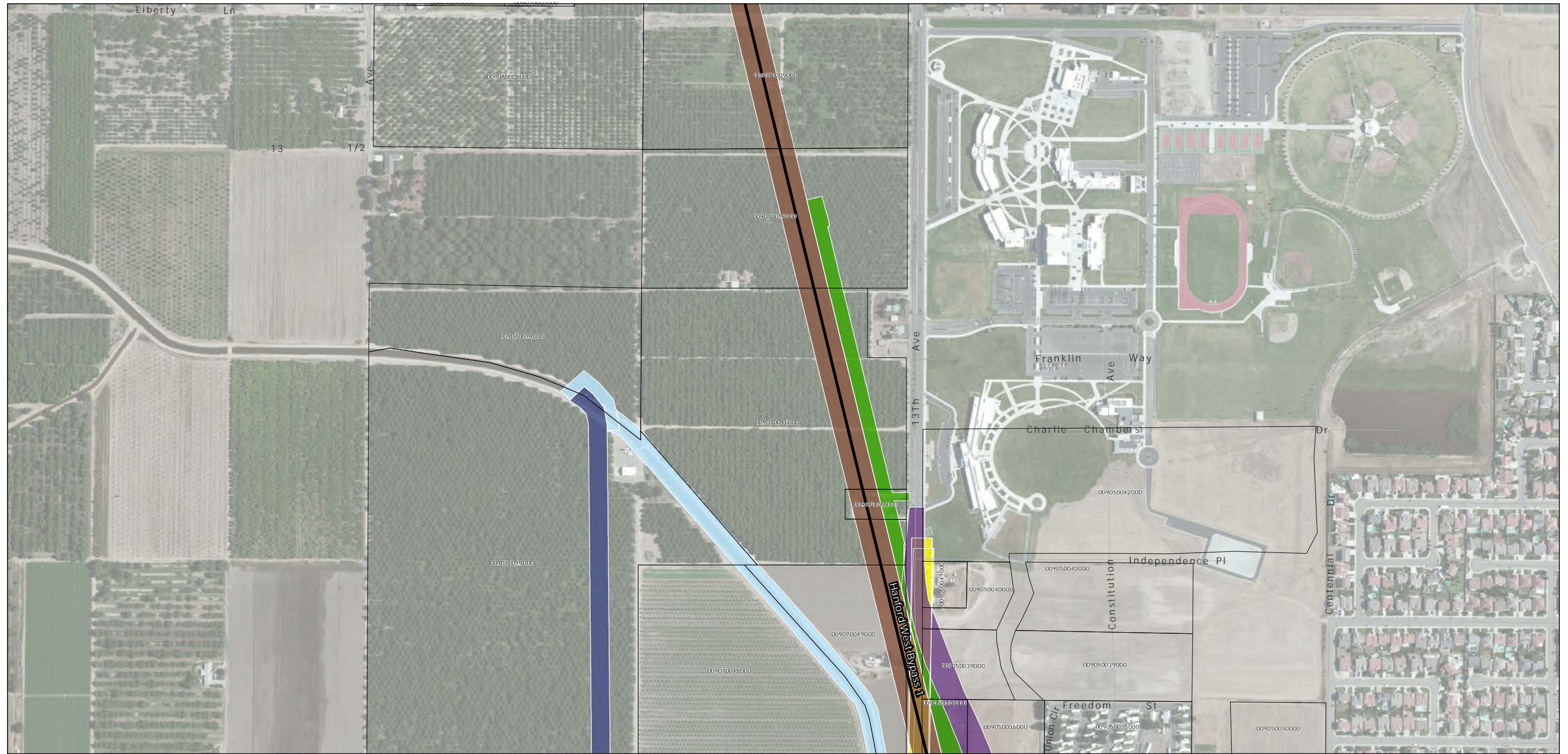


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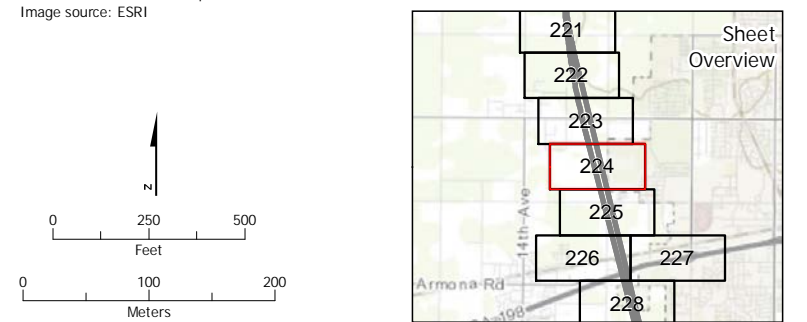


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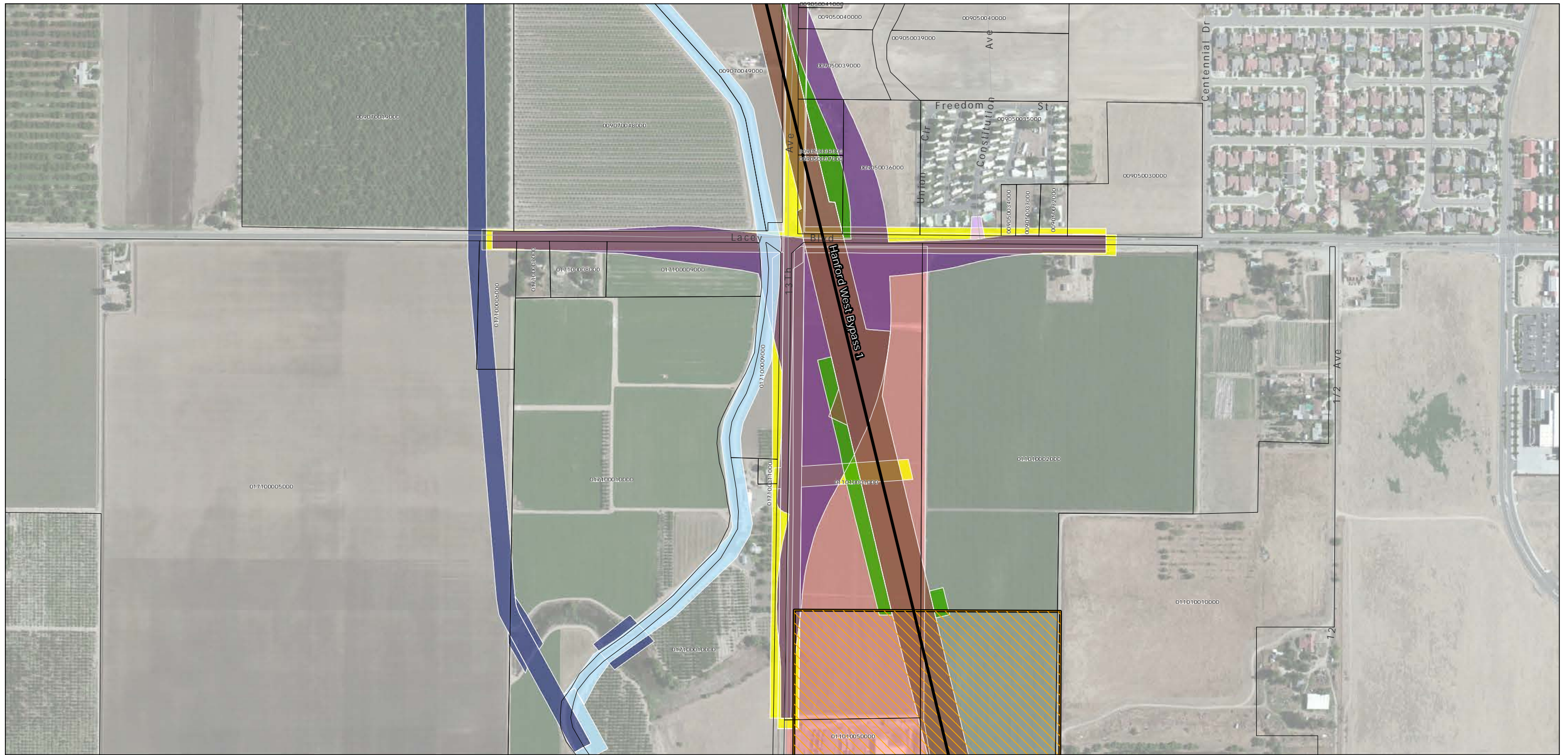


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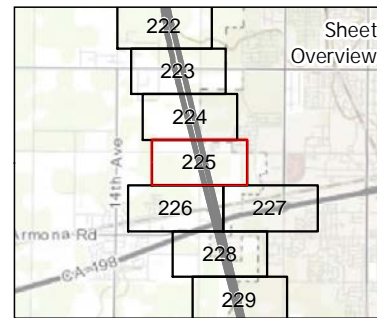
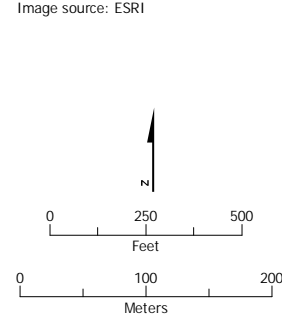


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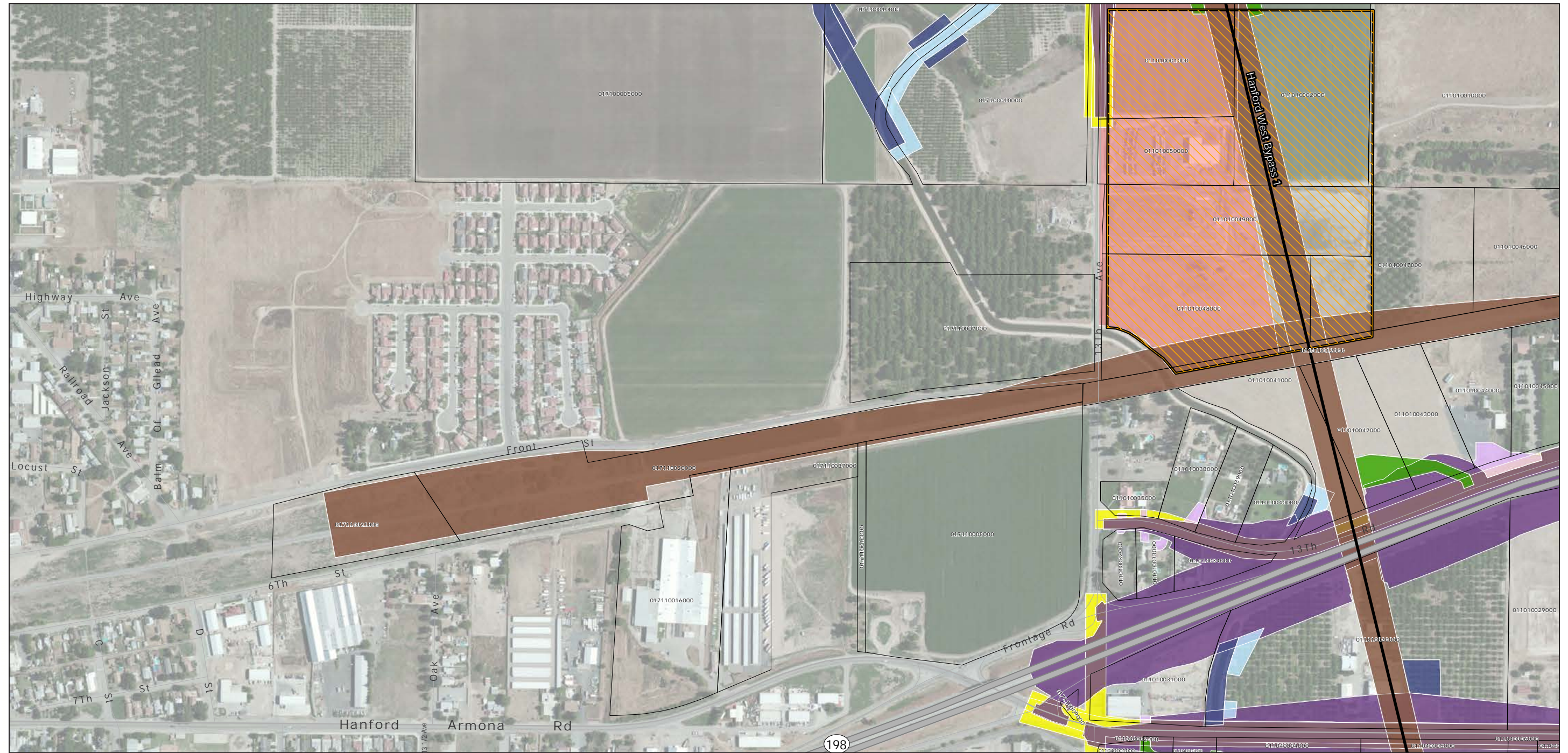


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March 19, 2014

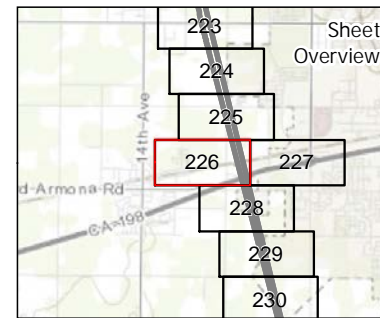
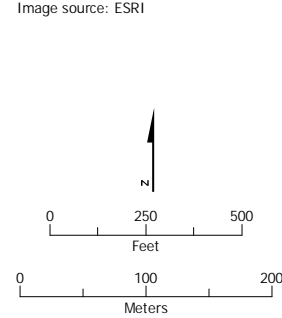


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| <ul style="list-style-type: none"> <li> Alternative alignments</li> <li> Parcel (APN displayed)</li> <li> Heavy maintenance facility</li> <li> Station</li> </ul> | <p><b>Project footprint by category type</b></p> <p><b>Construction area</b></p> <ul style="list-style-type: none"> <li> Temporary</li> </ul> <p><b>Roadway</b></p> <ul style="list-style-type: none"> <li> Permanent (underpass/overpass, access road)</li> <li> Temporary (remove base and surfacing, construction easement)</li> </ul> | <p><b>Utilities</b></p> <ul style="list-style-type: none"> <li> Temporary (Relocation of natural gas, petroleum, transmission, or water line)</li> </ul> <p><b>Systems</b></p> <ul style="list-style-type: none"> <li> Permanent (interlocking site, radio site, traction power facility)</li> <li> Temporary (construction easement)</li> </ul> | <p><b>Hydrology</b></p> <ul style="list-style-type: none"> <li> Permanent (canal relocation, drainage basin)</li> <li> Temporary (construction easement)</li> </ul> <p><b>Track</b></p> <ul style="list-style-type: none"> <li> Permanent (access road, freight rail relocation, HST tracks, maintenance of infrastructure)</li> <li> Temporary (construction easement)</li> </ul> |
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Data source: URS/HMM/Arup JV, 2014  
 Image source: ESRI

March 19, 2014

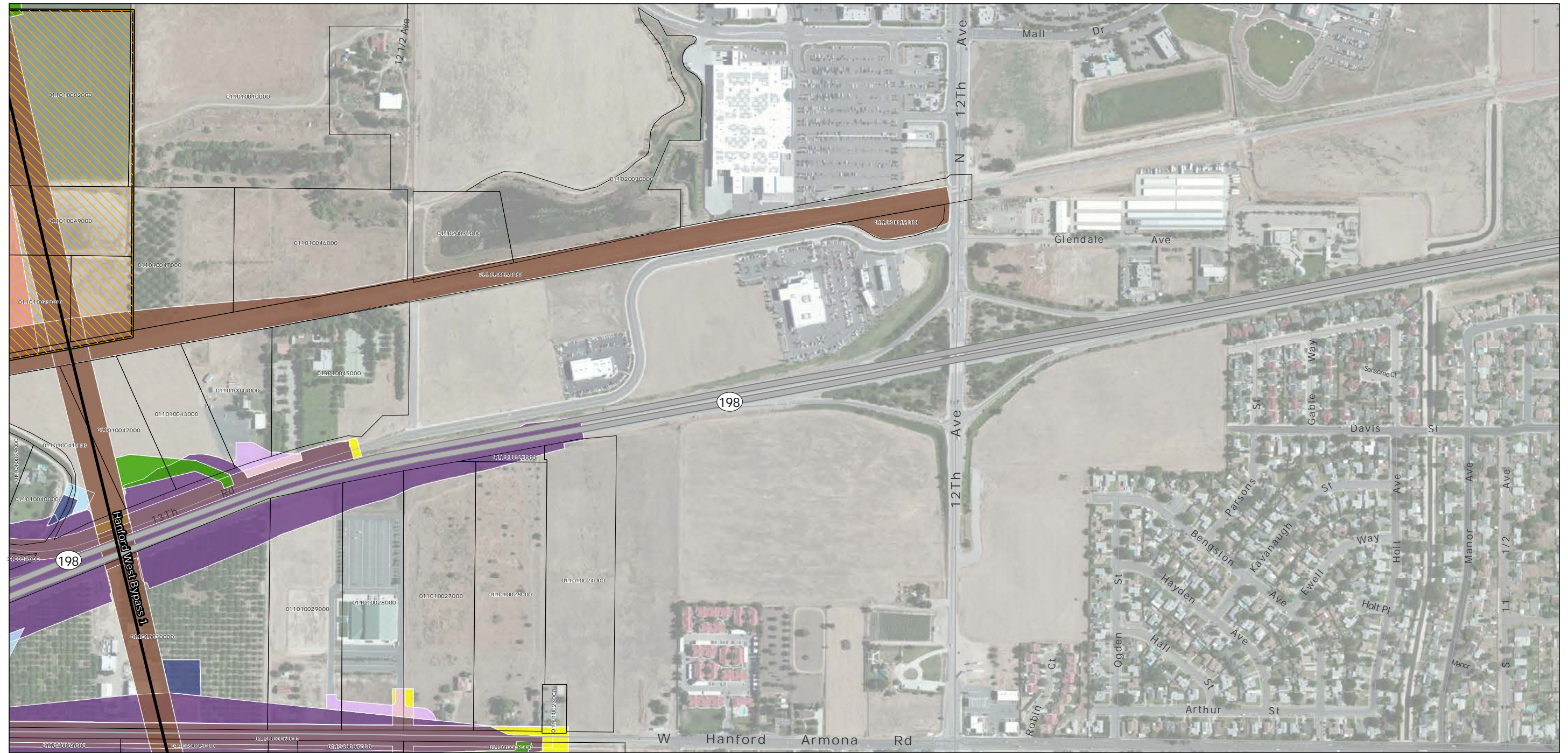


- Alternative alignments
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- Heavy maintenance facility
- Station

- Project footprint by category type**
- Construction area**
    - Temporary
  - Roadway**
    - Permanent (underpass/overpass, access road)
    - Temporary (remove base and surfacing, construction easement)

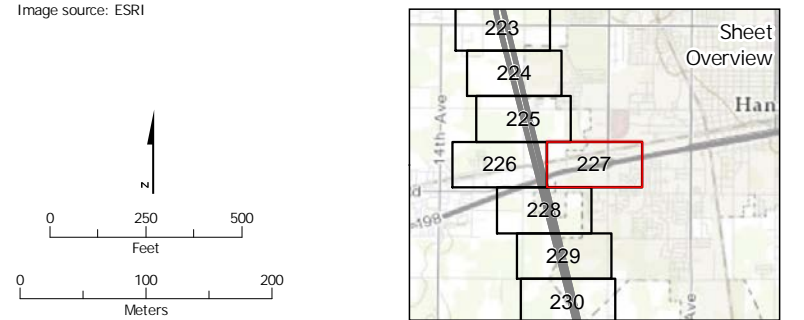
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- Temporary (Relocation of natural gas, petroleum, transmission, or water line)
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  - Temporary (construction easement)

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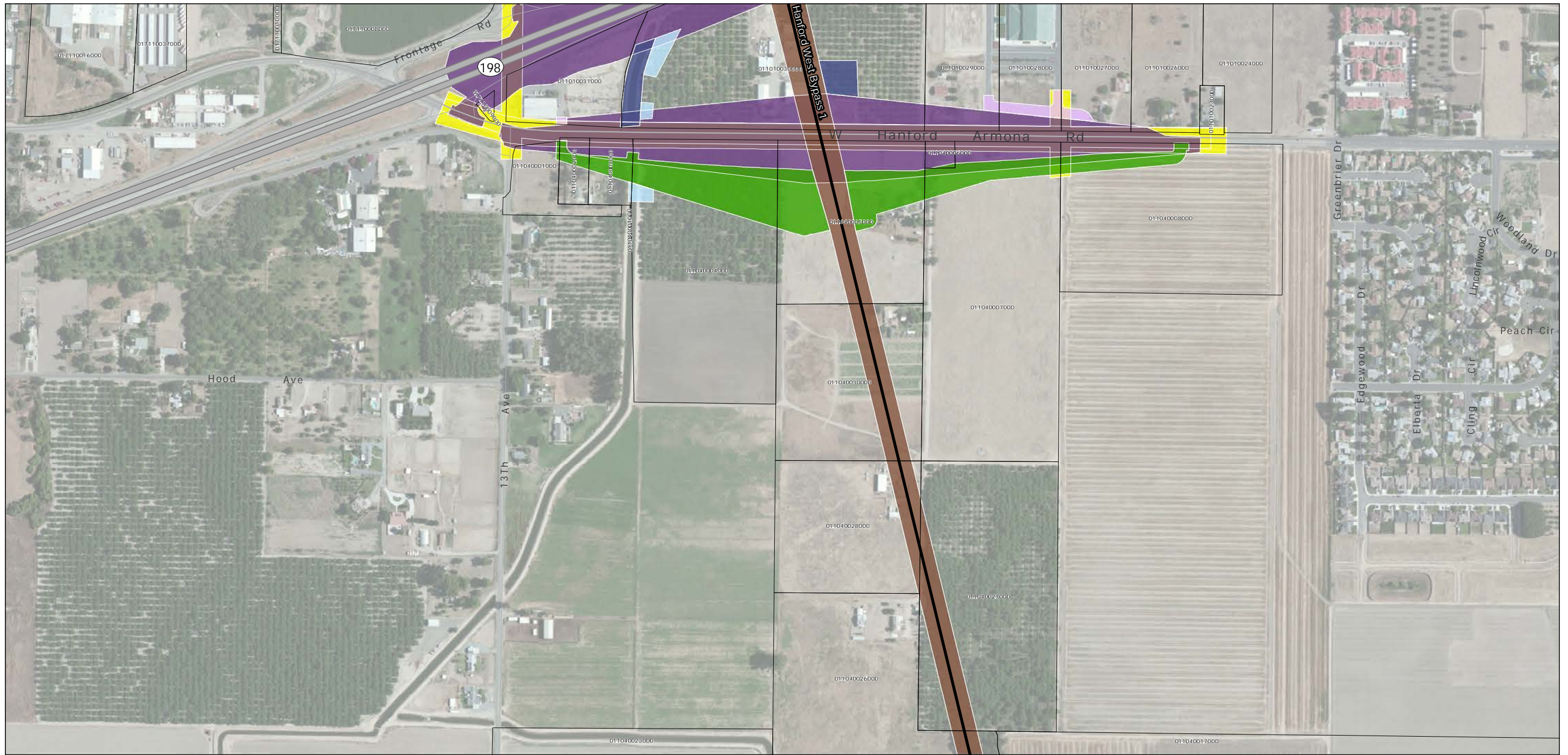


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- Station

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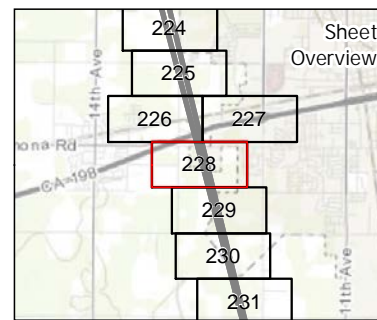
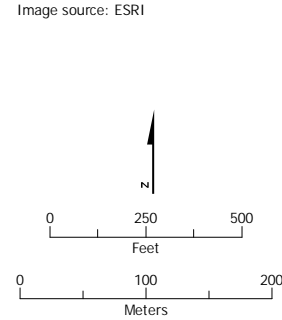
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  - Temporary (construction easement)

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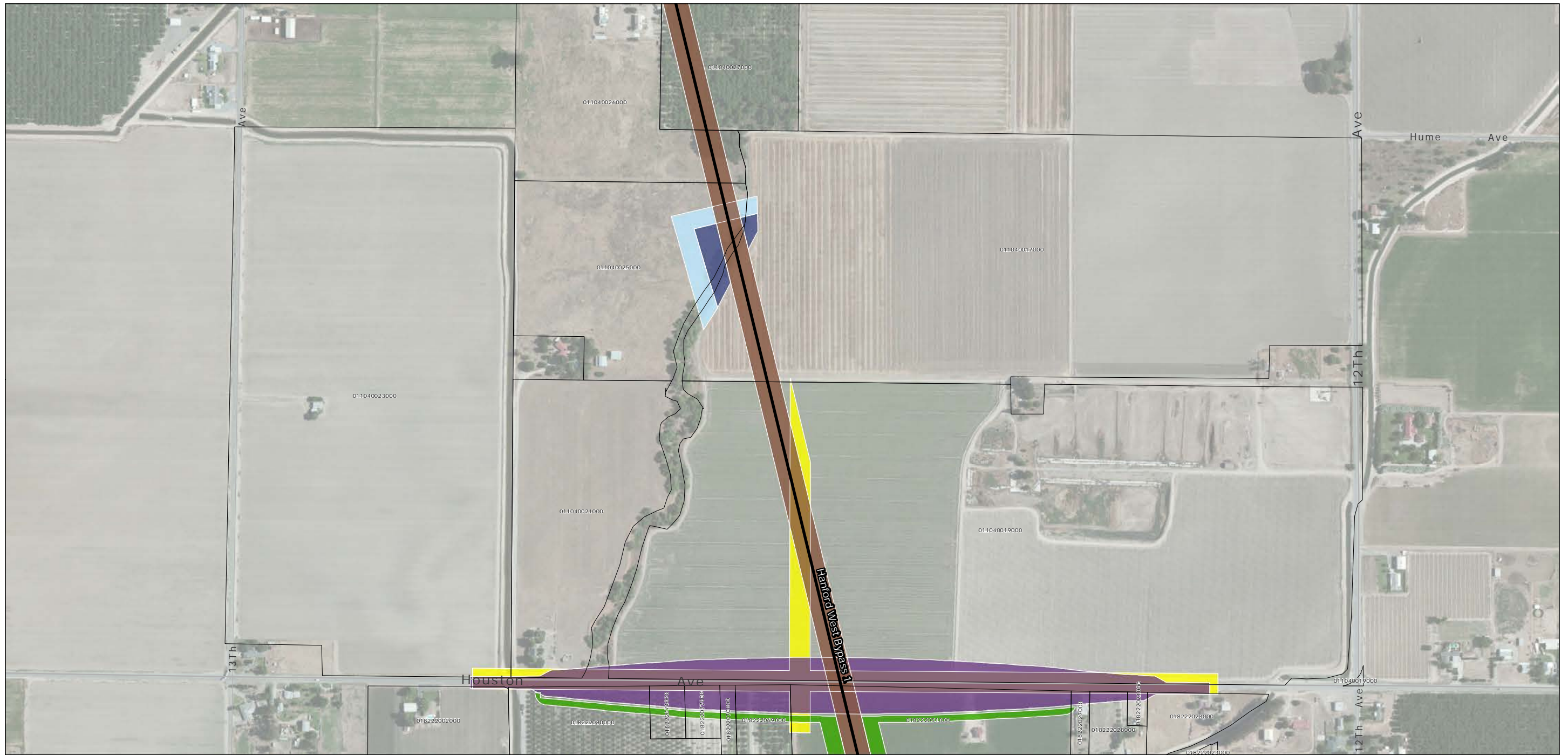


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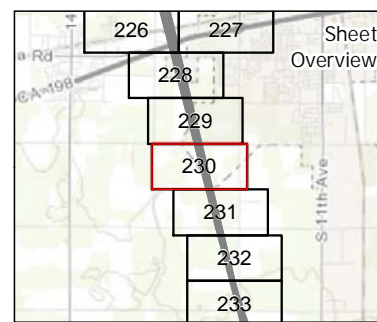
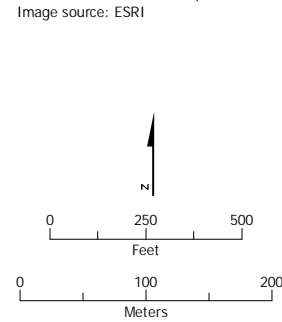
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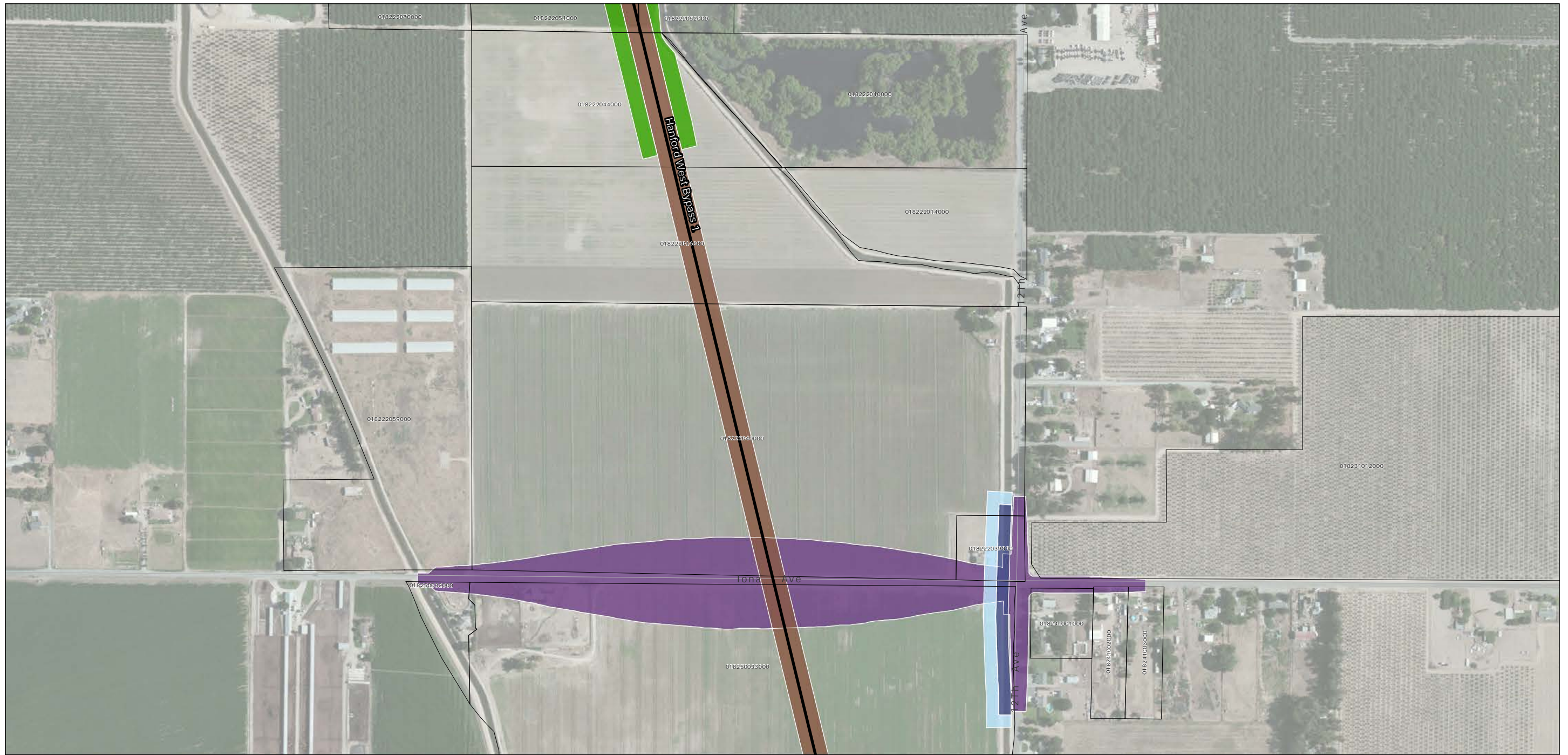


- Alternative alignments
- Parcel (APN displayed)
- Heavy maintenance facility
- Station

- Project footprint by category type**
- Construction area**
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  - Roadway**
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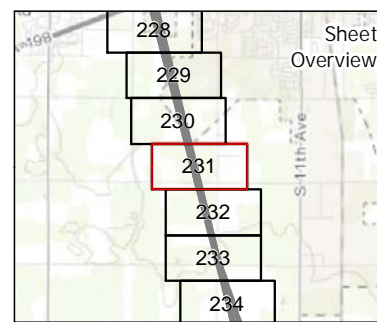
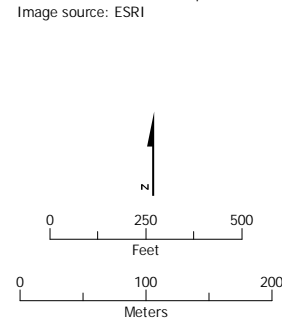
- Utilities**
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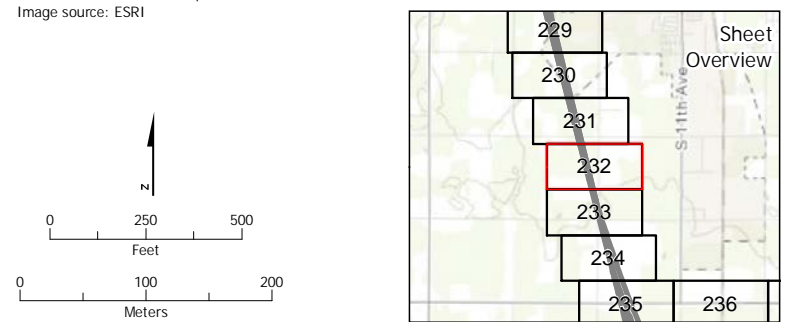
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March 19, 2014

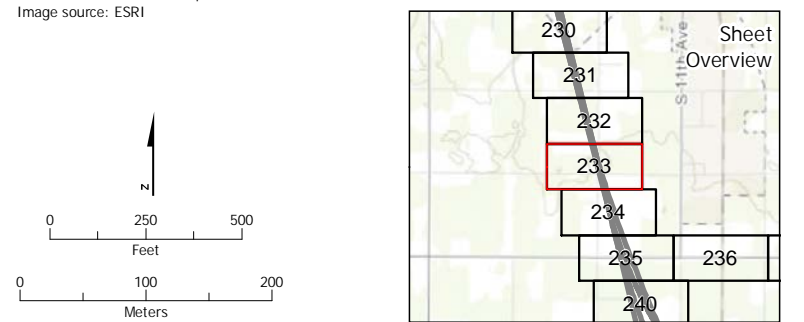


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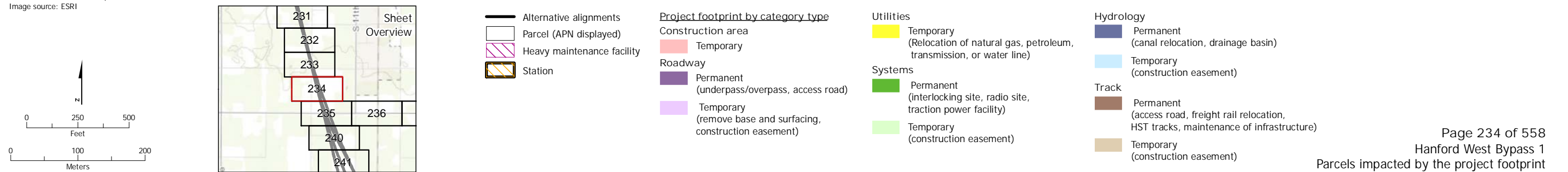


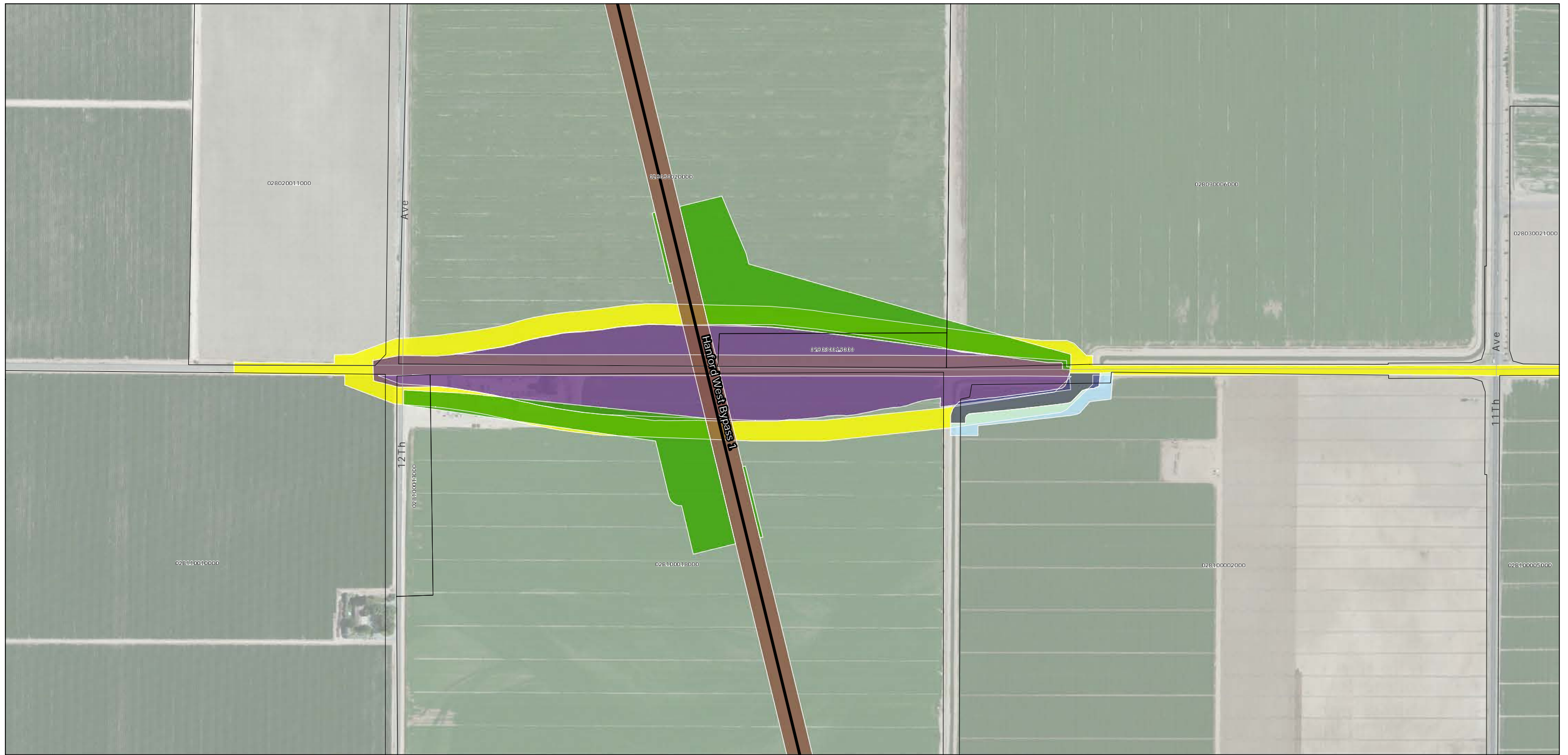
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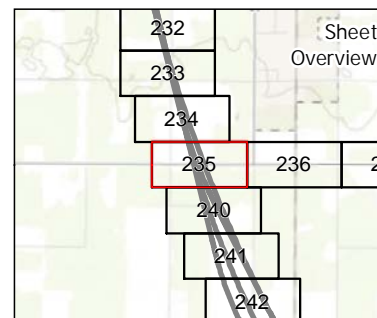
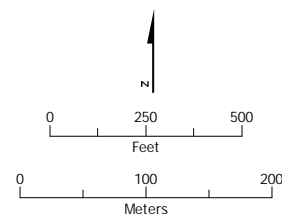
March 19, 2014





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March 19, 2014



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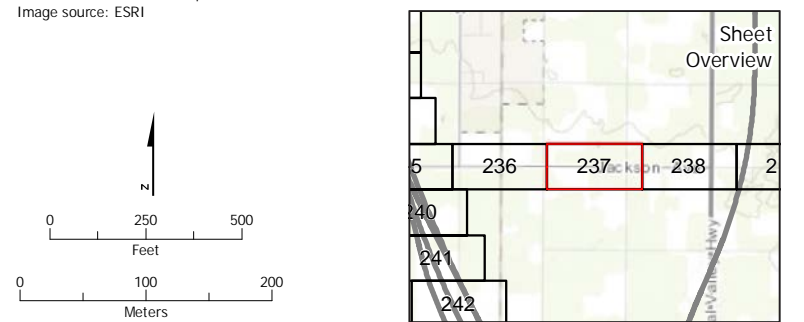


- Alternative alignments
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  - Station
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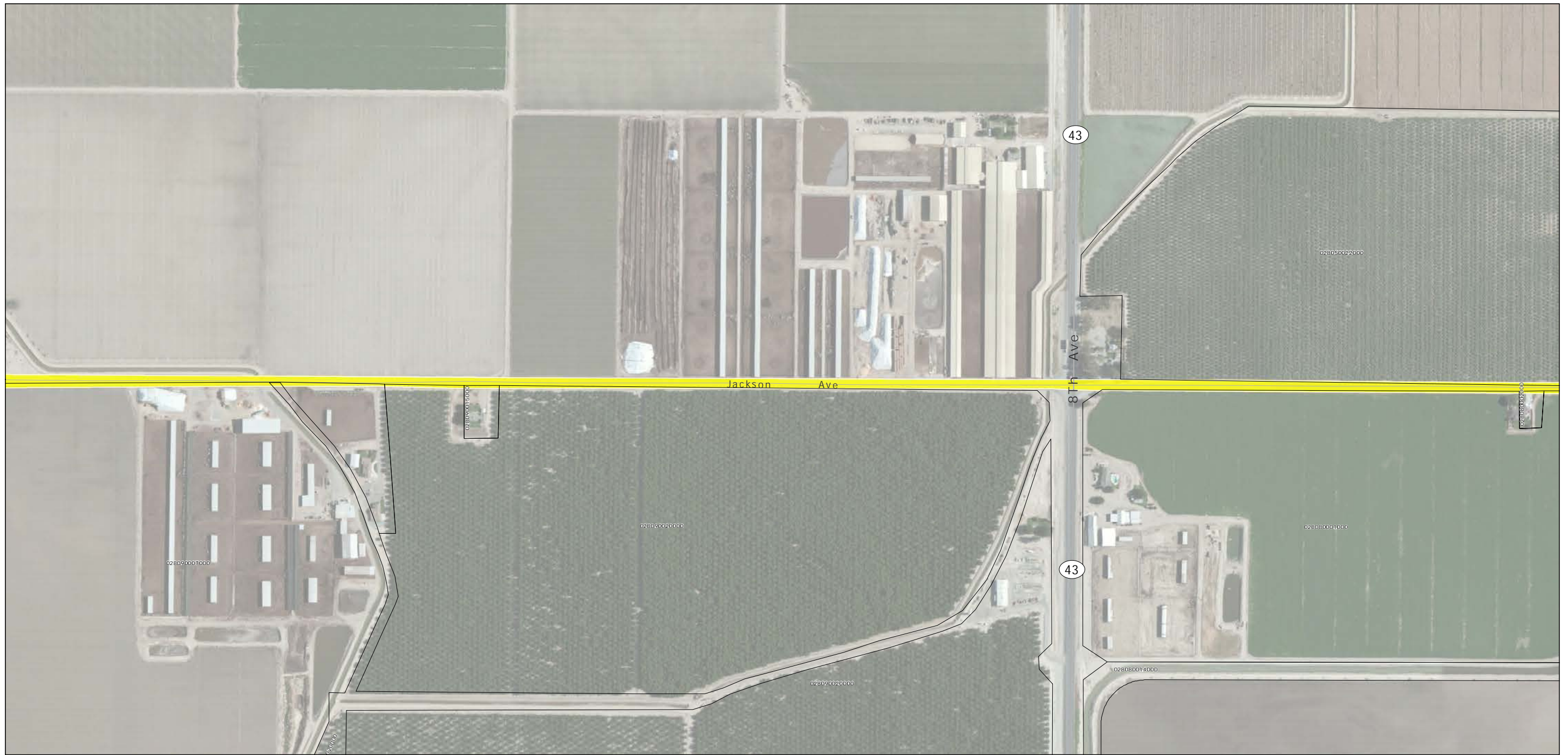
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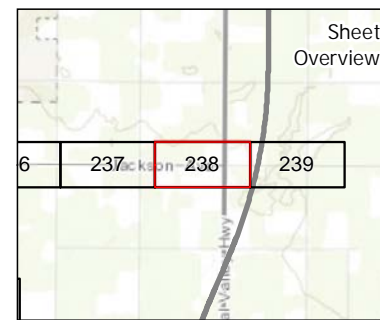
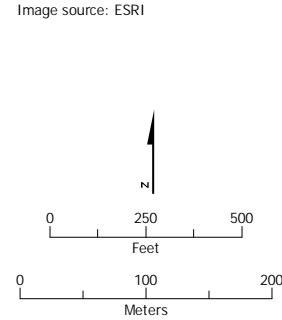
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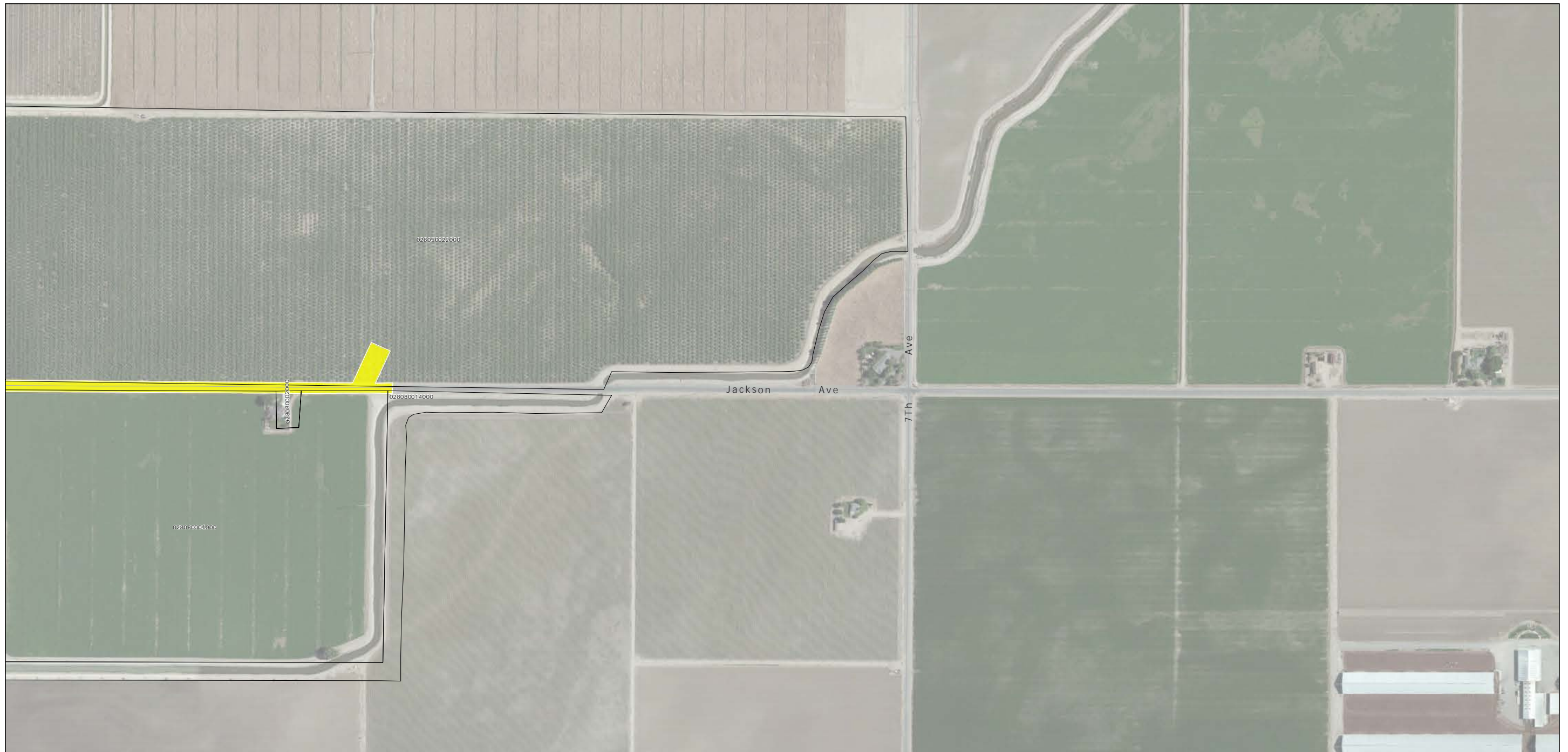


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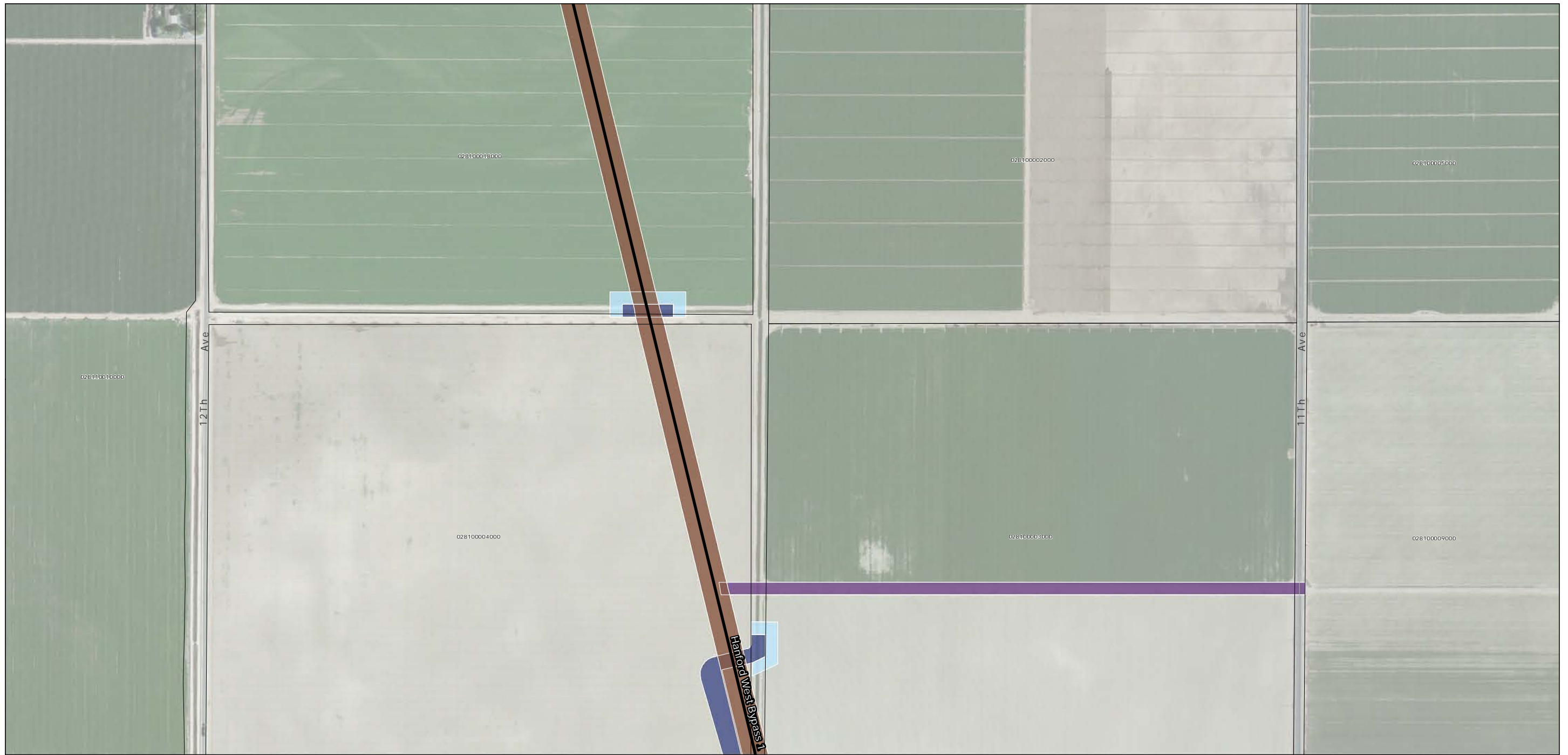


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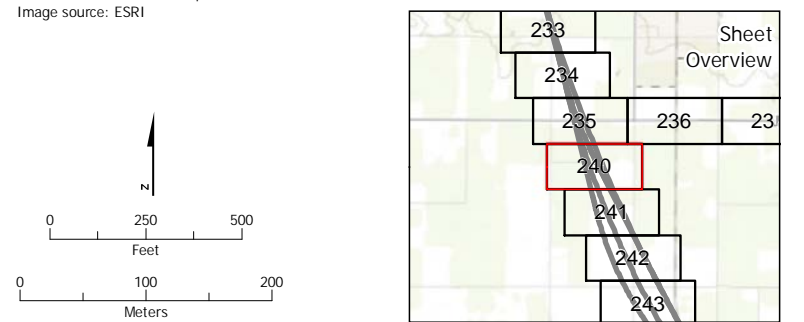
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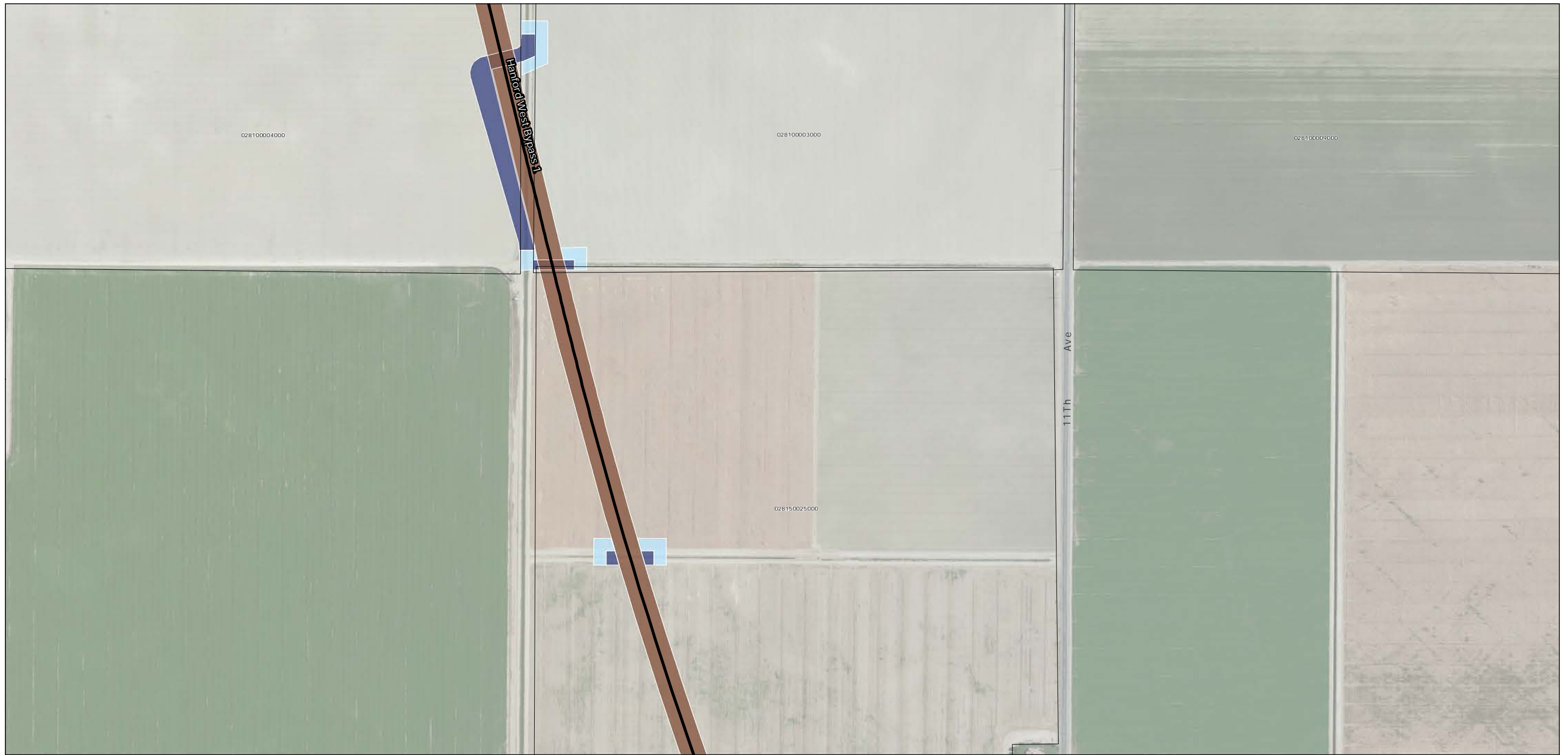


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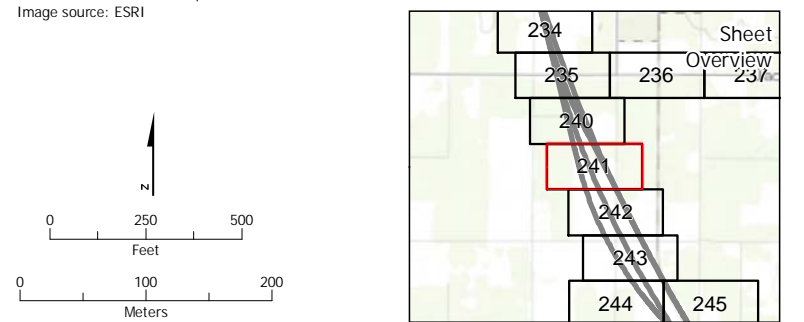


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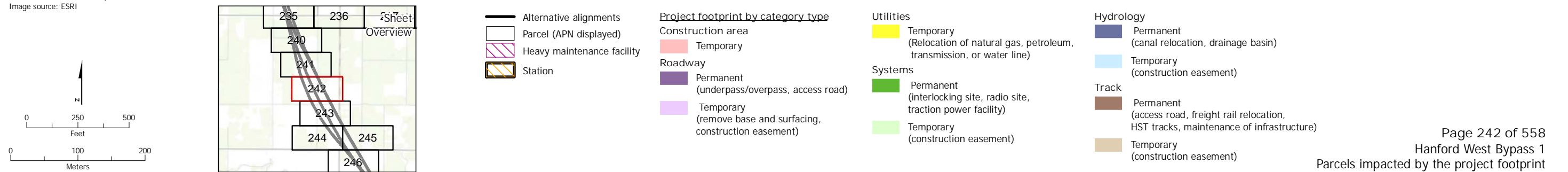


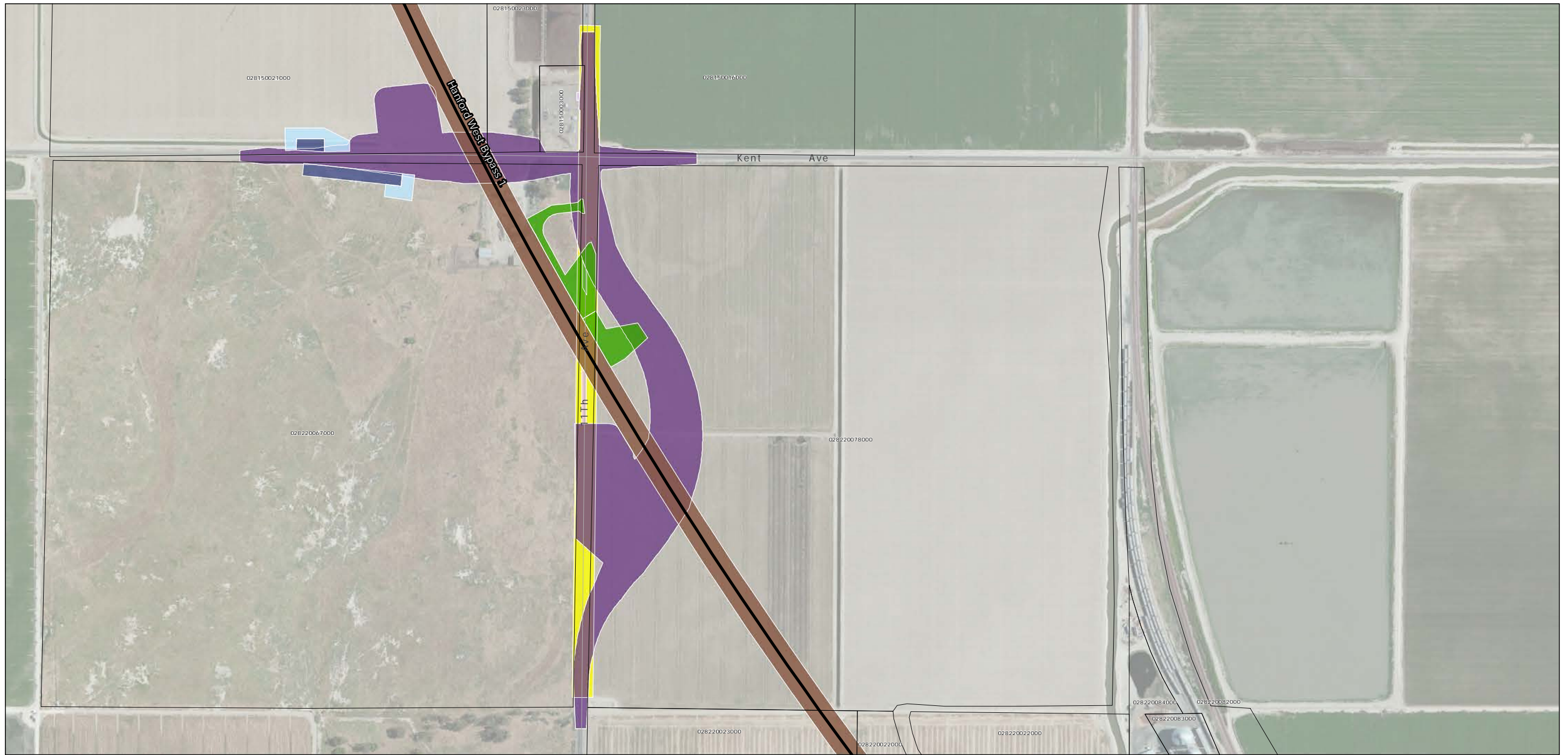
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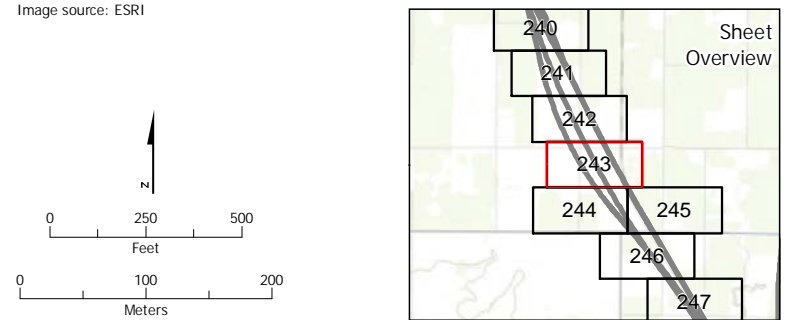
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|---|---|--|--|
| <ul style="list-style-type: none"> <li> Alternative alignments</li> <li> Parcel (APN displayed)</li> <li> Heavy maintenance facility</li> <li> Station</li> </ul> | <p><b>Project footprint by category type</b></p> <p><b>Construction area</b></p> <ul style="list-style-type: none"> <li> Temporary</li> </ul> <p><b>Roadway</b></p> <ul style="list-style-type: none"> <li> Permanent (underpass/overpass, access road)</li> <li> Temporary (remove base and surfacing, construction easement)</li> </ul> | <p><b>Utilities</b></p> <ul style="list-style-type: none"> <li> Temporary (Relocation of natural gas, petroleum, transmission, or water line)</li> </ul> <p><b>Systems</b></p> <ul style="list-style-type: none"> <li> Permanent (interlocking site, radio site, traction power facility)</li> <li> Temporary (construction easement)</li> </ul> | <p><b>Hydrology</b></p> <ul style="list-style-type: none"> <li> Permanent (canal relocation, drainage basin)</li> <li> Temporary (construction easement)</li> </ul> <p><b>Track</b></p> <ul style="list-style-type: none"> <li> Permanent (access road, freight rail relocation, HST tracks, maintenance of infrastructure)</li> <li> Temporary (construction easement)</li> </ul> |
|---|---|--|--|



Data source: URS/HMM/Arup JV, 2014  
 Image source: ESRI

March 19, 2014

**Alternative alignments**

- Alternative alignments
- Parcel (APN displayed)
- Heavy maintenance facility
- Station

**Project footprint by category type**

**Construction area**

- Temporary

**Roadway**

- Permanent (underpass/overpass, access road)
- Temporary (remove base and surfacing, construction easement)

**Utilities**

- Temporary (Relocation of natural gas, petroleum, transmission, or water line)

**Systems**

- Permanent (interlocking site, radio site, traction power facility)
- Temporary (construction easement)

**Hydrology**

- Permanent (canal relocation, drainage basin)
- Temporary (construction easement)

**Track**

- Permanent (access road, freight rail relocation, HST tracks, maintenance of infrastructure)
- Temporary (construction easement)



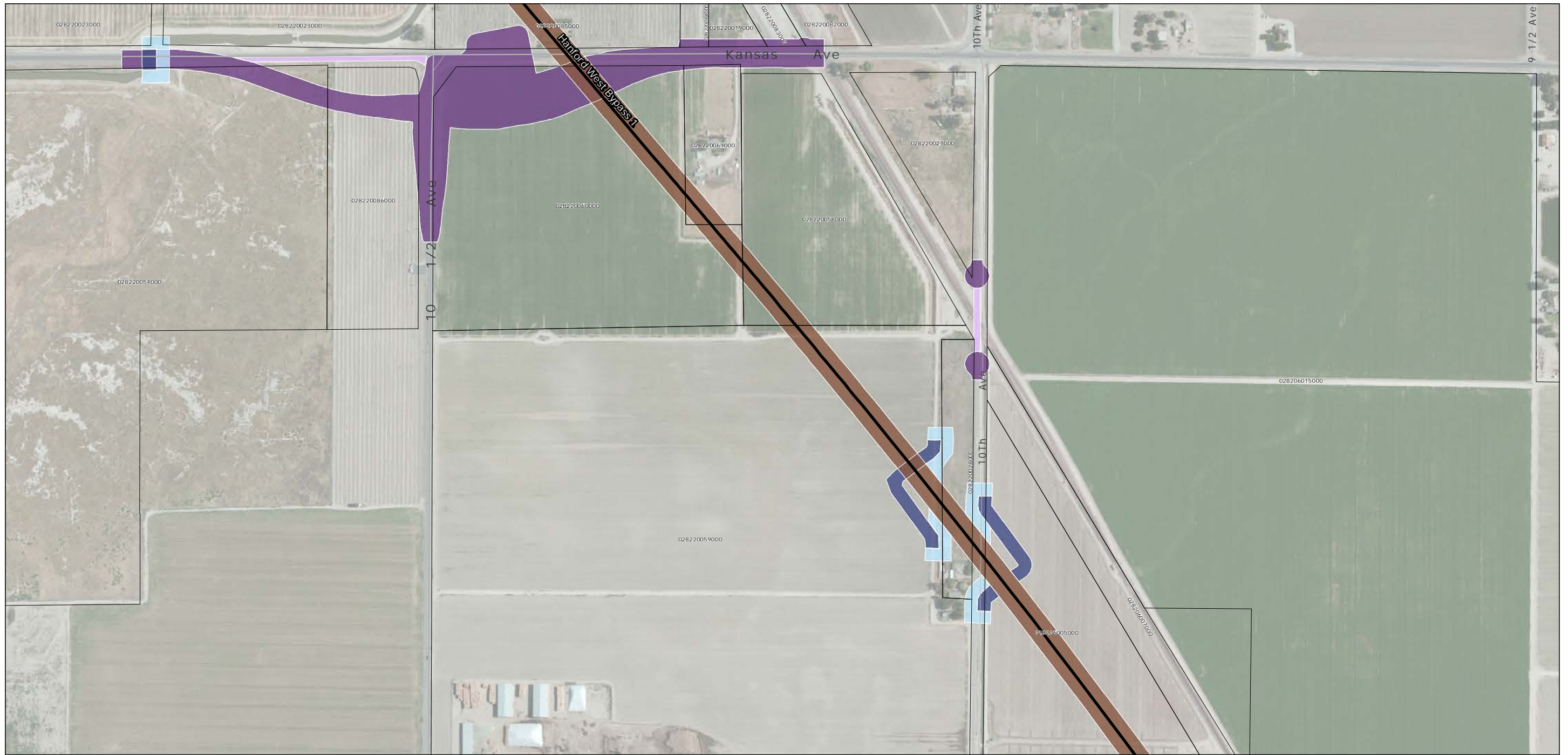
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 Image source: ESRI

March 19, 2014



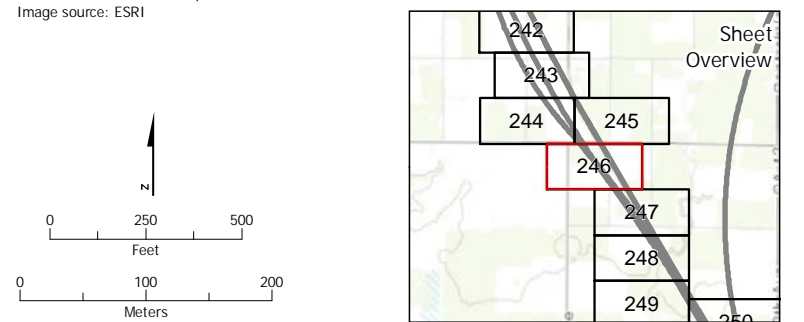
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|---|--|--|--|
| <ul style="list-style-type: none"> <li> Alternative alignments</li> <li> Parcel (APN displayed)</li> <li> Heavy maintenance facility</li> <li> Station</li> </ul> | <p><b>Project footprint by category type</b></p> <ul style="list-style-type: none"> <li> Construction area Temporary</li> <li> Roadway Permanent (underpass/overpass, access road)</li> <li> Temporary (remove base and surfacing, construction easement)</li> </ul> | <p><b>Utilities</b></p> <ul style="list-style-type: none"> <li> Temporary (Relocation of natural gas, petroleum, transmission, or water line)</li> </ul> <p><b>Systems</b></p> <ul style="list-style-type: none"> <li> Permanent (interlocking site, radio site, traction power facility)</li> <li> Temporary (construction easement)</li> </ul> | <p><b>Hydrology</b></p> <ul style="list-style-type: none"> <li> Permanent (canal relocation, drainage basin)</li> <li> Temporary (construction easement)</li> </ul> <p><b>Track</b></p> <ul style="list-style-type: none"> <li> Permanent (access road, freight rail relocation, HST tracks, maintenance of infrastructure)</li> <li> Temporary (construction easement)</li> </ul> |
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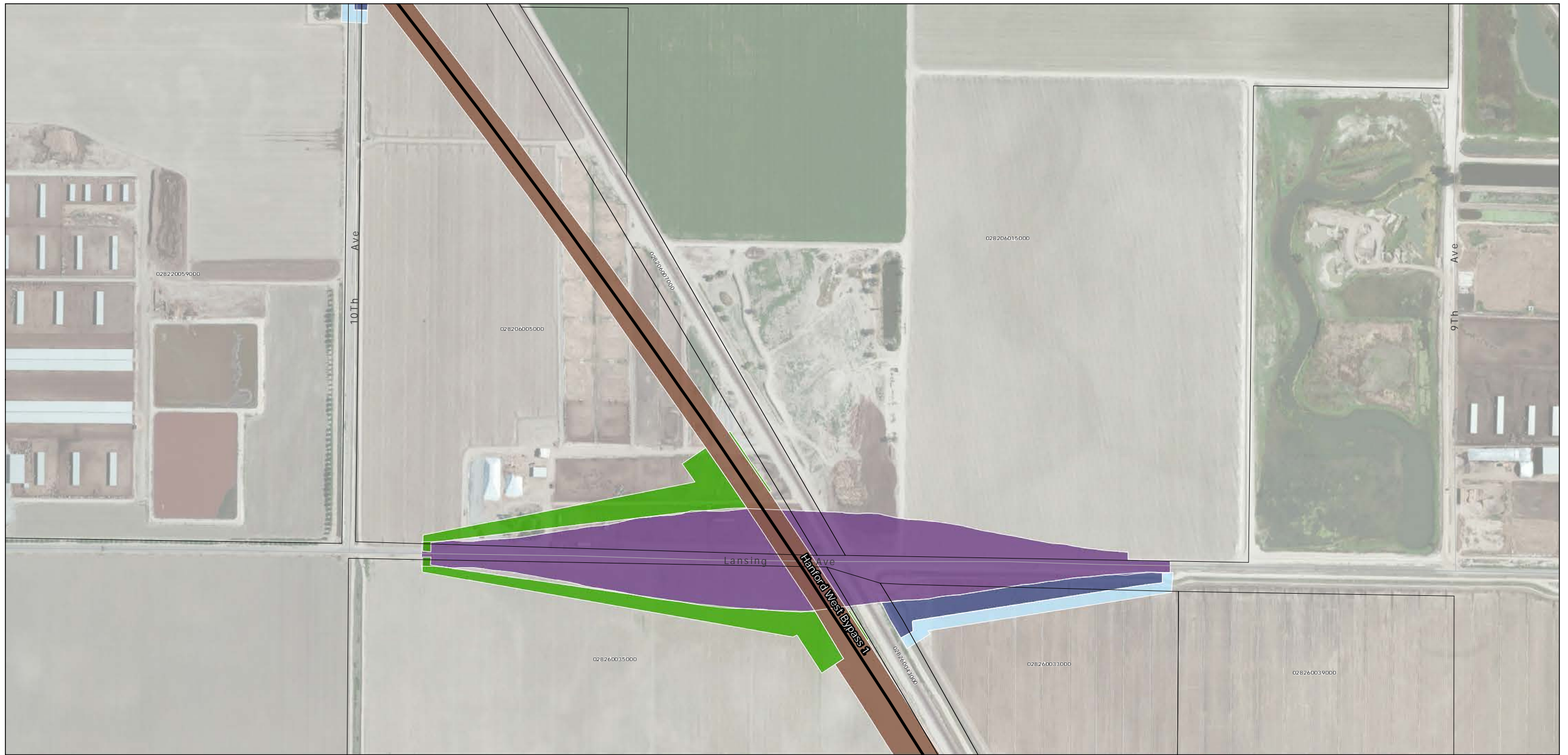


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 Image source: ESRI

March 19, 2014

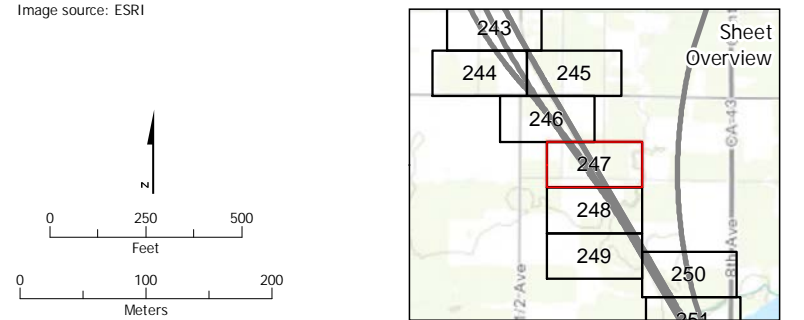


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Data source: URS/HMM/Arup JV, 2014  
 Image source: ESRI

March 19, 2014

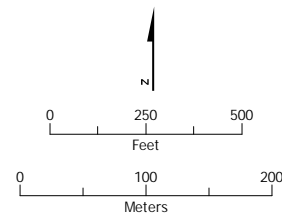
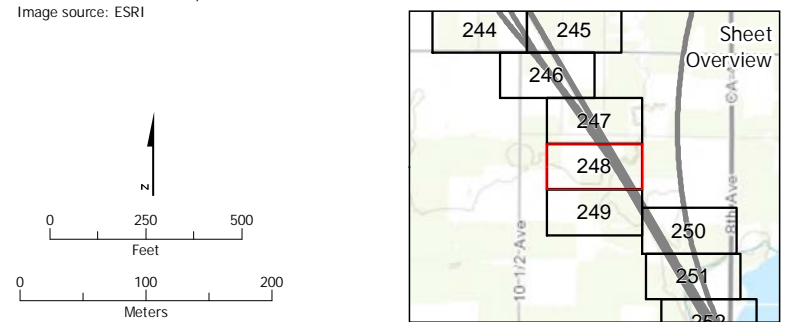


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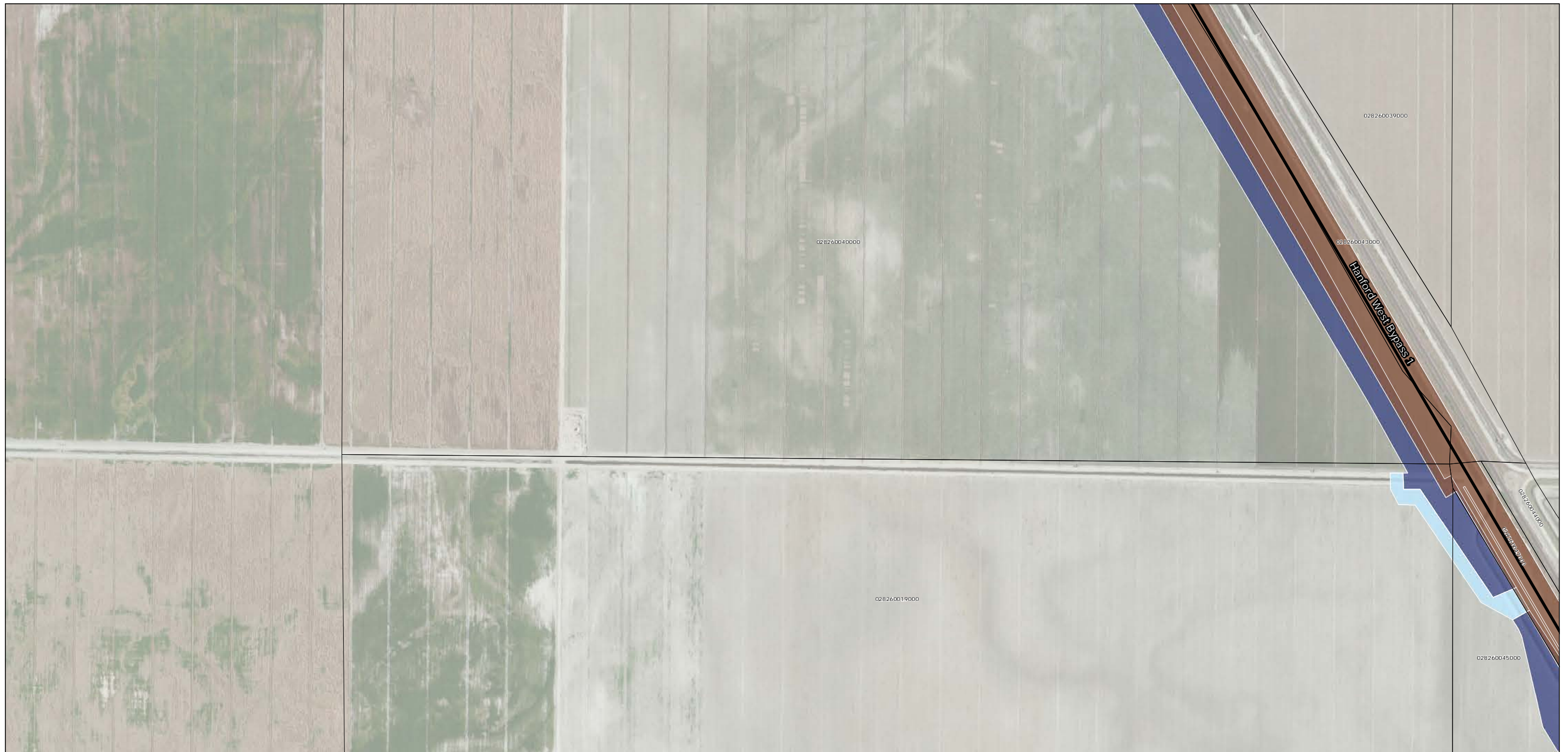


Data source: URS/HMM/Arup JV, 2014  
 Image source: ESRI

March 19, 2014

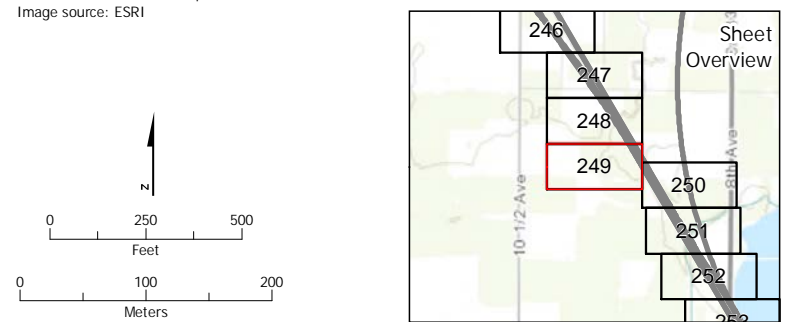


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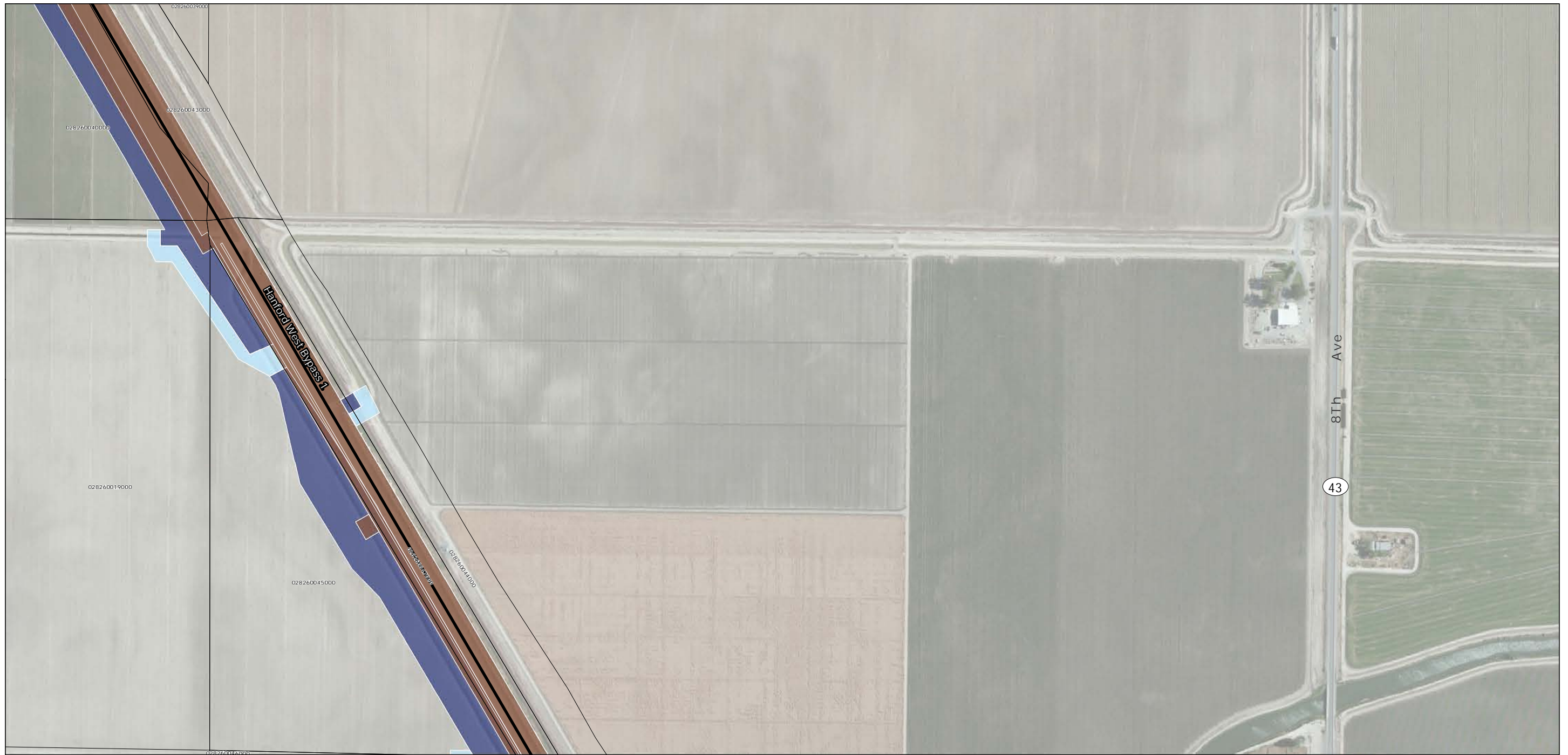


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 Image source: ESRI

March 19, 2014

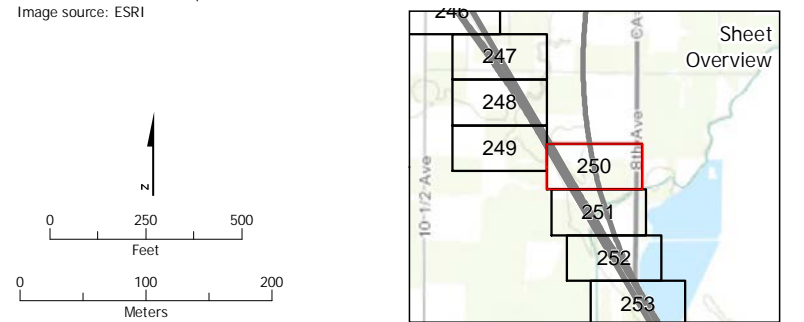


- Alternative alignments
  - Parcel (APN displayed)
  - Heavy maintenance facility
  - Station
- Project footprint by category type**
- Construction area**
    - Temporary
  - Roadway**
    - Permanent (underpass/overpass, access road)
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- Alternative alignments
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