
















**Central Valley Gas Storage Project  
Project Alignment Maps  
February 2010**

Sheet 1

**Project Elements**

-  HDD Bore Location
-  Permanent Impact Area – Above Ground Facilities and New Access Roads
-  Temporary Impact Area –Permanent Easement for Buried Gas Pipeline
-  Temporary Impact Area – Construction Easement for Buried Gas Pipeline and Above Ground Facilities
-  Existing Access Road
-  Buffer Area
-  24-Inch Gas Pipeline
-  16-Inch Dual Gas Gathering Line
-  8-Inch Connection Pipeline
-  Saltwater Disposal Line
-  PG&E 12kV Line
-  PG&E 400/401 Line

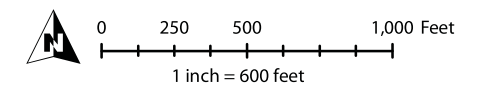
**Biological Elements**

-  250-foot Biological Study Area
-  Valley Elderberry Longhorn Beetle Habitat
-  Drainages

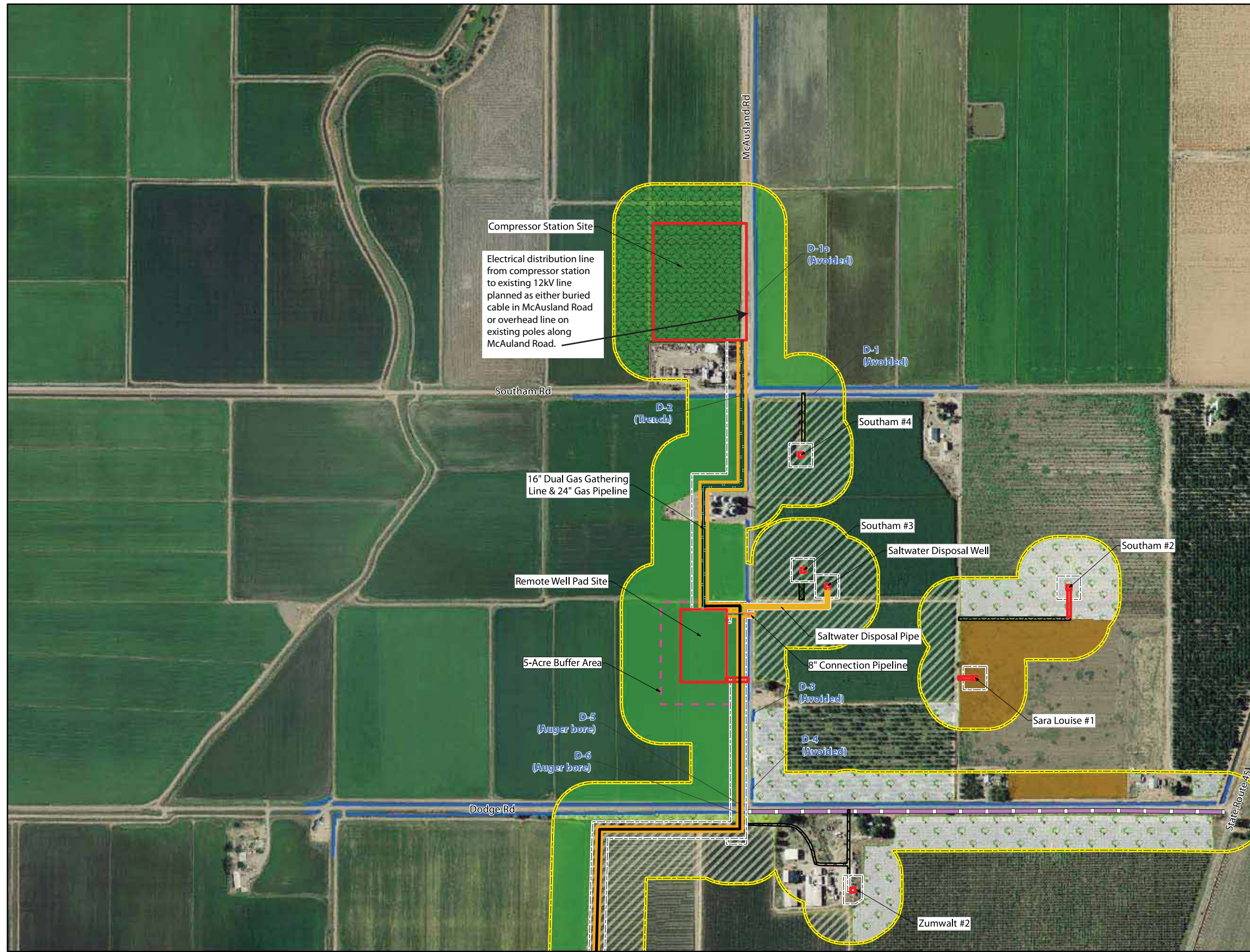
**Biological Communities**

-  Fremont Cottonwood Riparian Woodland
-  Freshwater Marsh
-  Seasonal Wetlands
-  Non-Native Annual Grassland
-  Horticultural Plantings
-  Rice
-  Rice Field Wetlands
-  Rotational Rice Field
-  Orchard
-  Row Crops
-  Fallow

Aerial Source: Rooney Engineering Inc. 2008





























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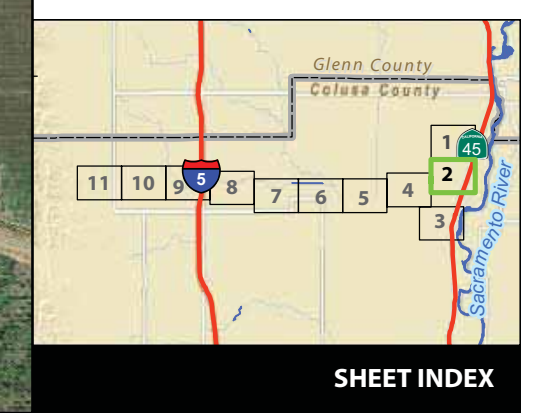
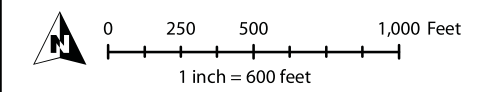




**Central Valley Gas Storage Project  
Project Alignment Maps  
February 2010  
Sheet 2**

- Project Elements**
-  HDD Bore Location
  -  Permanent Impact Area – Above Ground Facilities and New Access Roads
  -  Temporary Impact Area – Permanent Easement for Buried Gas Pipeline
  -  Temporary Impact Area – Construction Easement for Buried Gas Pipeline and Above Ground Facilities
  -  Existing Access Road
  -  Buffer Area
  -  24-Inch Gas Pipeline
  -  16-Inch Dual Gas Gathering Line
  -  8-Inch Connection Pipeline
  -  Saltwater Disposal Line
  -  PG&E 12kV Line
  -  PG&E 400/401 Line
- Biological Elements**
-  250-foot Biological Study Area
  -  Valley Elderberry Longhorn Beetle Habitat
  -  Drainages
- Biological Communities**
-  Fremont Cottonwood Riparian Woodland
  -  Freshwater Marsh
  -  Seasonal Wetlands
  -  Non-Native Annual Grassland
  -  Horticultural Plantings
  -  Rice
  -  Rice Field Wetlands
  -  Rotational Rice Field
  -  Orchard
  -  Row Crops
  -  Fallow

Aerial Source: Rooney Engineering Inc. 2008















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


**Central Valley Gas Storage Project  
Project Alignment Maps  
February 2010**  
Sheet 3












**Project Elements**

-  HDD Bore Location
-  Permanent Impact Area – Above Ground Facilities and New Access Roads
-  Temporary Impact Area – Permanent Easement for Buried Gas Pipeline
-  Temporary Impact Area – Construction Easement for Buried Gas Pipeline and Above Ground Facilities
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-  16-Inch Dual Gas Gathering Line
-  8-Inch Connection Pipeline
-  Saltwater Disposal Line
-  PG&E 12kV Line
-  PG&E 400/401 Line

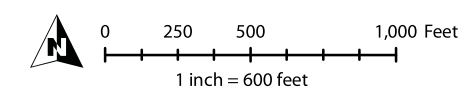
**Biological Elements**

-  250-foot Biological Study Area
-  Valley Elderberry Longhorn Beetle Habitat
-  Drainages

**Biological Communities**

-  Fremont Cottonwood Riparian Woodland
-  Freshwater Marsh
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-  Rice Field Wetlands
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-  Fallow

Aerial Source: Rooney Engineering Inc. 2008



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**DUDEK**

6055-01  
APRIL 2010

SOURCE: ICF Jones & Stokes 2010d

Central Valley Gas Storage Project













**APPENDIX A**  
**Central Valley Gas Storage Project Alignment Map – Sheet 3 of 11**






**Central Valley Gas Storage Project  
Project Alignment Maps  
February 2010**

Sheet 4












**Project Elements**

-  HDD Bore Location
-  Permanent Impact Area – Above Ground Facilities and New Access Roads
-  Temporary Impact Area – Permanent Easement for Buried Gas Pipeline
-  Temporary Impact Area – Construction Easement for Buried Gas Pipeline and Above Ground Facilities
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-  PG&E 400/401 Line

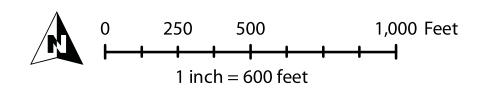
**Biological Elements**

-  250-foot Biological Study Area
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-  Fallow

Aerial Source: Rooney Engineering Inc. 2008



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**DUDEK**

6055-01  
APRIL 2010

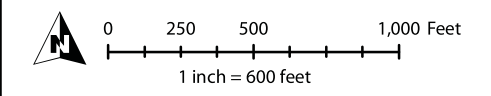
SOURCE: ICF Jones & Stokes 2010d

Central Valley Gas Storage Project

**APPENDIX A  
Central Valley Gas Storage Project Alignment Map – Sheet 4 of 11**



- Project Elements**
- HDD Bore Location
  - Permanent Impact Area – Above Ground Facilities and New Access Roads
  - Temporary Impact Area – Permanent Easement for Buried Gas Pipeline
  - Temporary Impact Area – Construction Easement for Buried Gas Pipeline and Above Ground Facilities
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  - 8-Inch Connection Pipeline
  - Saltwater Disposal Line
  - PG&E 12kV Line
  - PG&E 400/401 Line
- Biological Elements**
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  - Drainages
- Biological Communities**
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  - Seasonal Wetlands
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  - Rice
  - Rice Field Wetlands
  - Rotational Rice Field
  - Orchard
  - Row Crops
  - Fallow
- Aerial Source: Rooney Engineering Inc. 2008



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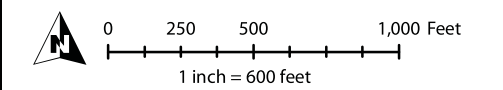


- Project Elements**
- HDD Bore Location
  - Permanent Impact Area – Above Ground Facilities and New Access Roads
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  - PG&E 400/401 Line

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  - Rice Field Wetlands
  - Rotational Rice Field
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  - Row Crops
  - Fallow

Aerial Source: Rooney Engineering Inc. 2008

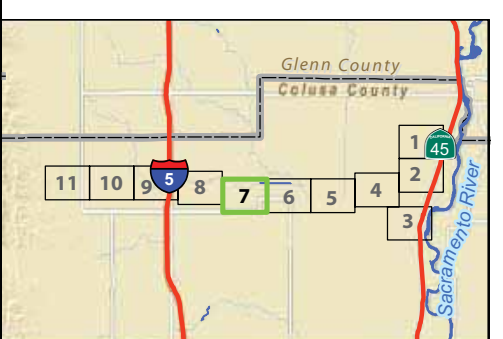
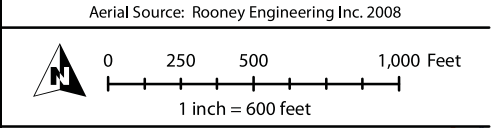


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- Project Elements**
- HDD Bore Location
  - Permanent Impact Area – Above Ground Facilities and New Access Roads
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  - Row Crops
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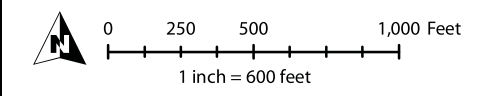
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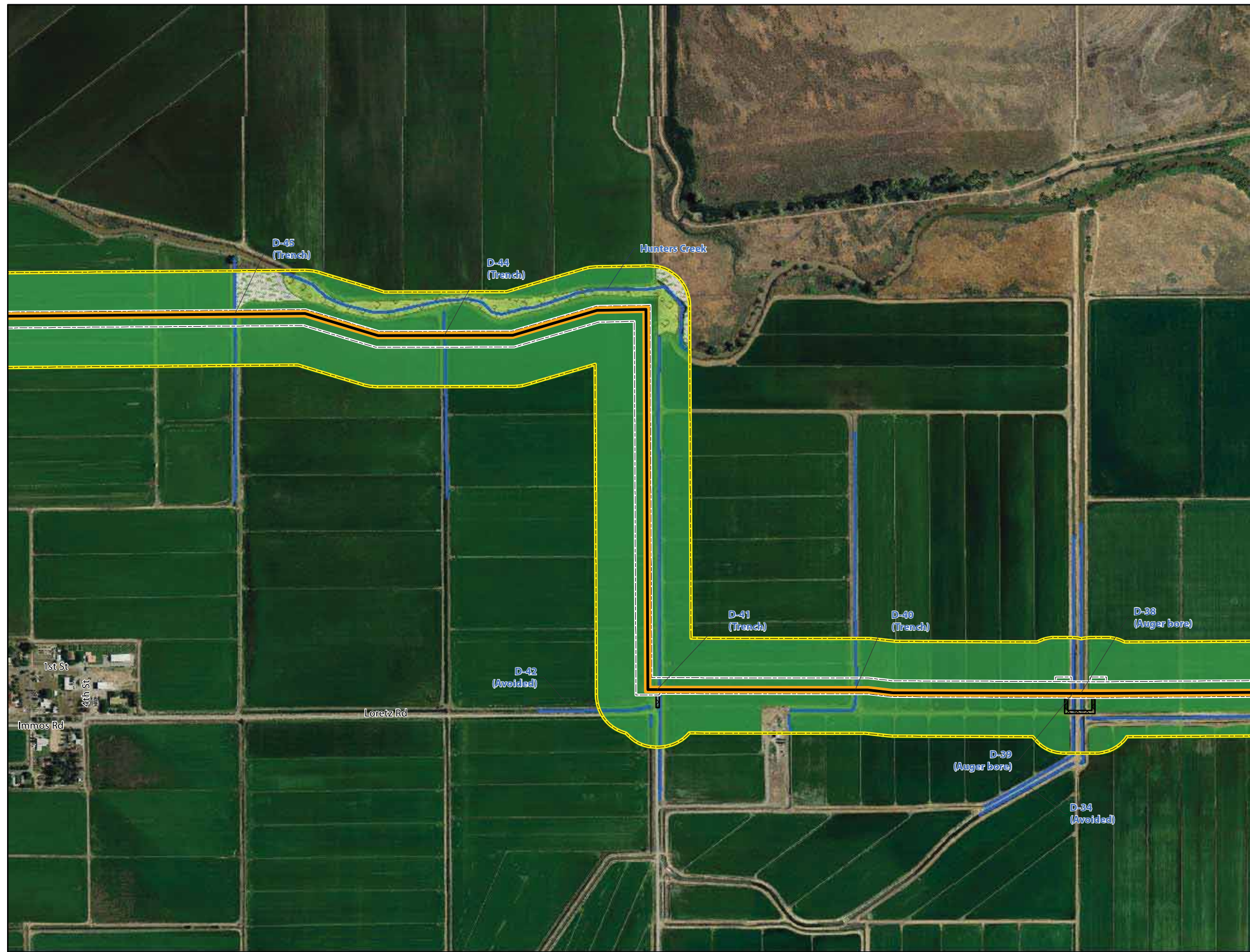
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- Project Elements**
- HDD Bore Location
  - Permanent Impact Area – Above Ground Facilities and New Access Roads
  - Temporary Impact Area – Permanent Easement for Buried Gas Pipeline
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- Aerial Source: Rooney Engineering Inc. 2008















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
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**Project Elements**

-  HDD Bore Location
-  Permanent Impact Area – Above Ground Facilities and New Access Roads
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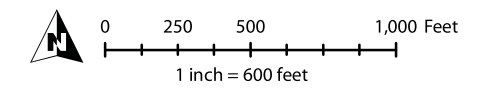
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-  Drainages

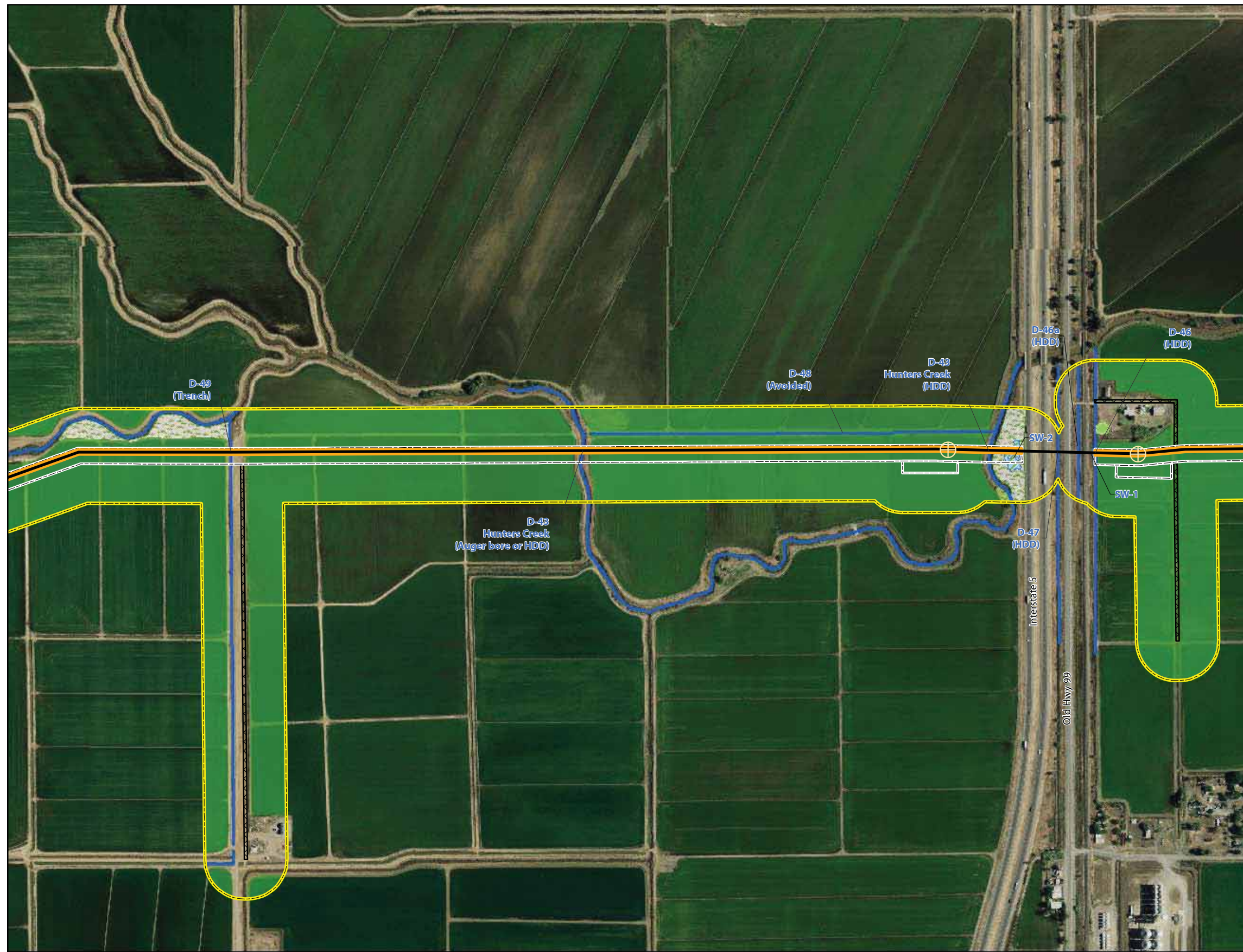
**Biological Communities**

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-  Fallow

Aerial Source: Rooney Engineering Inc. 2008

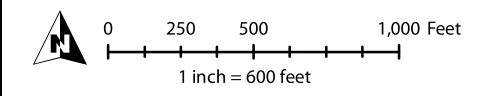


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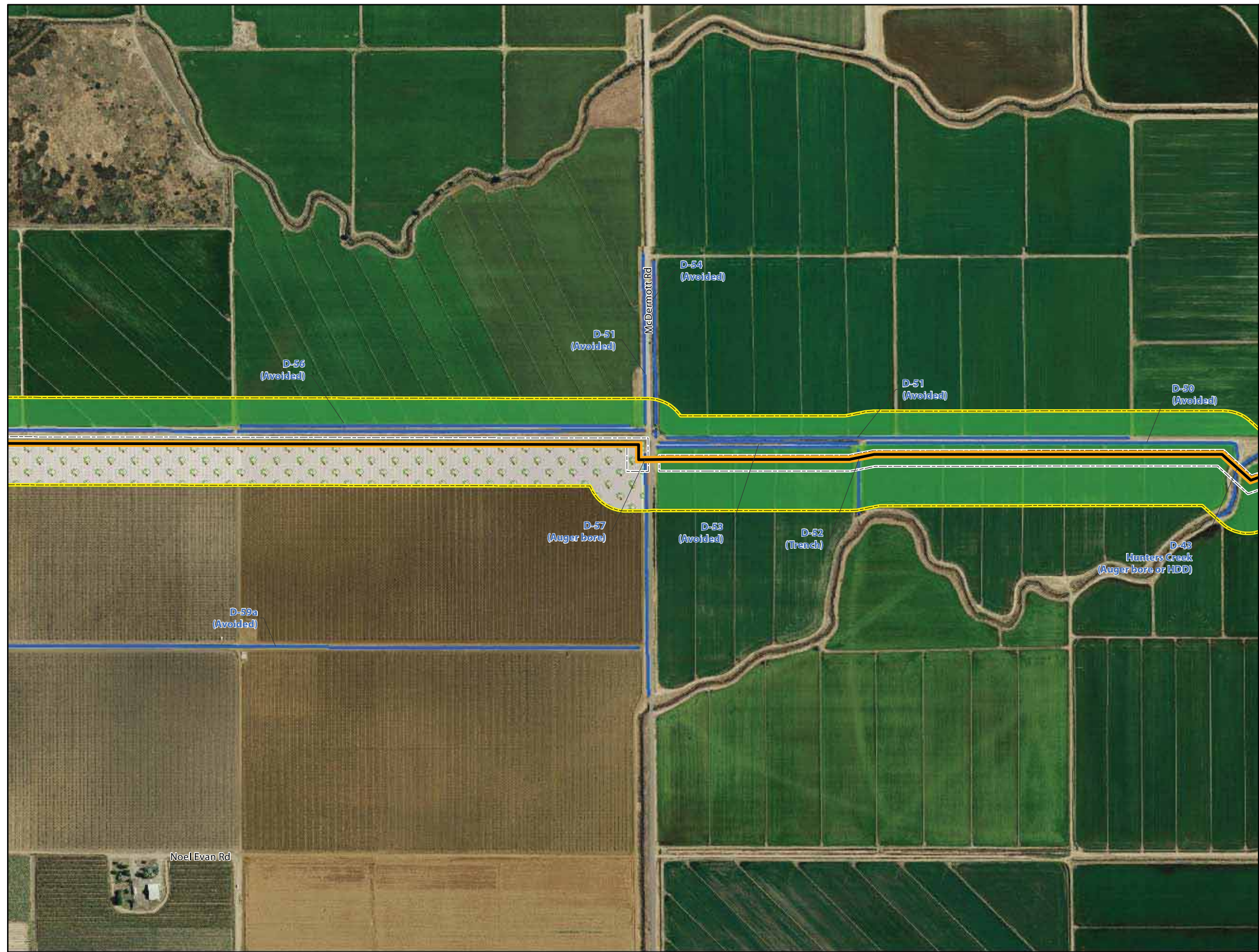




- Project Elements**
- HDD Bore Location
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  - Rotational Rice Field
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  - Fallow
- Aerial Source: Rooney Engineering Inc. 2008



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












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


**EXHIBIT 1**  
**Central Valley Gas Storage Project**  
**Project Alignment Maps**  
**February 2010**  
 Sheet 11











**Project Elements**

-  HDD Bore Location
-  Permanent Impact Area – Above Ground Facilities and New Access Roads
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-  PG&E 12kV Line
-  PG&E 400/401 Line

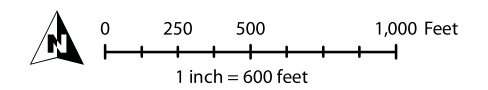
**Biological Elements**

-  250-foot Biological Study Area
-  Valley Elderberry Longhorn Beetle Habitat
-  Drainages

**Biological Communities**

-  Fremont Cottonwood Riparian Woodland
-  Freshwater Marsh
-  Seasonal Wetlands
-  Non-Native Annual Grassland
-  Horticultural Plantings
-  Rice
-  Rice Field Wetlands
-  Rotational Rice Field
-  Orchard
-  Row Crops
-  Fallow

Aerial Source: Rooney Engineering Inc. 2008



**SHEET INDEX**

