

- Page Index
- Connection to Existing Overhead
- Proposed Substation
- Abandoned Existing Power
- Proposed Underground Power**
- Outside Roadway
 - Relocated Non-Project Power

Existing Power

PG&E Low Voltage

21-22 kV

SMUD Low Voltage

12 kV

Tunnel

- Permanent Subsurface Impact
- Permanent Surface Impact
- Temporary Surface Impact

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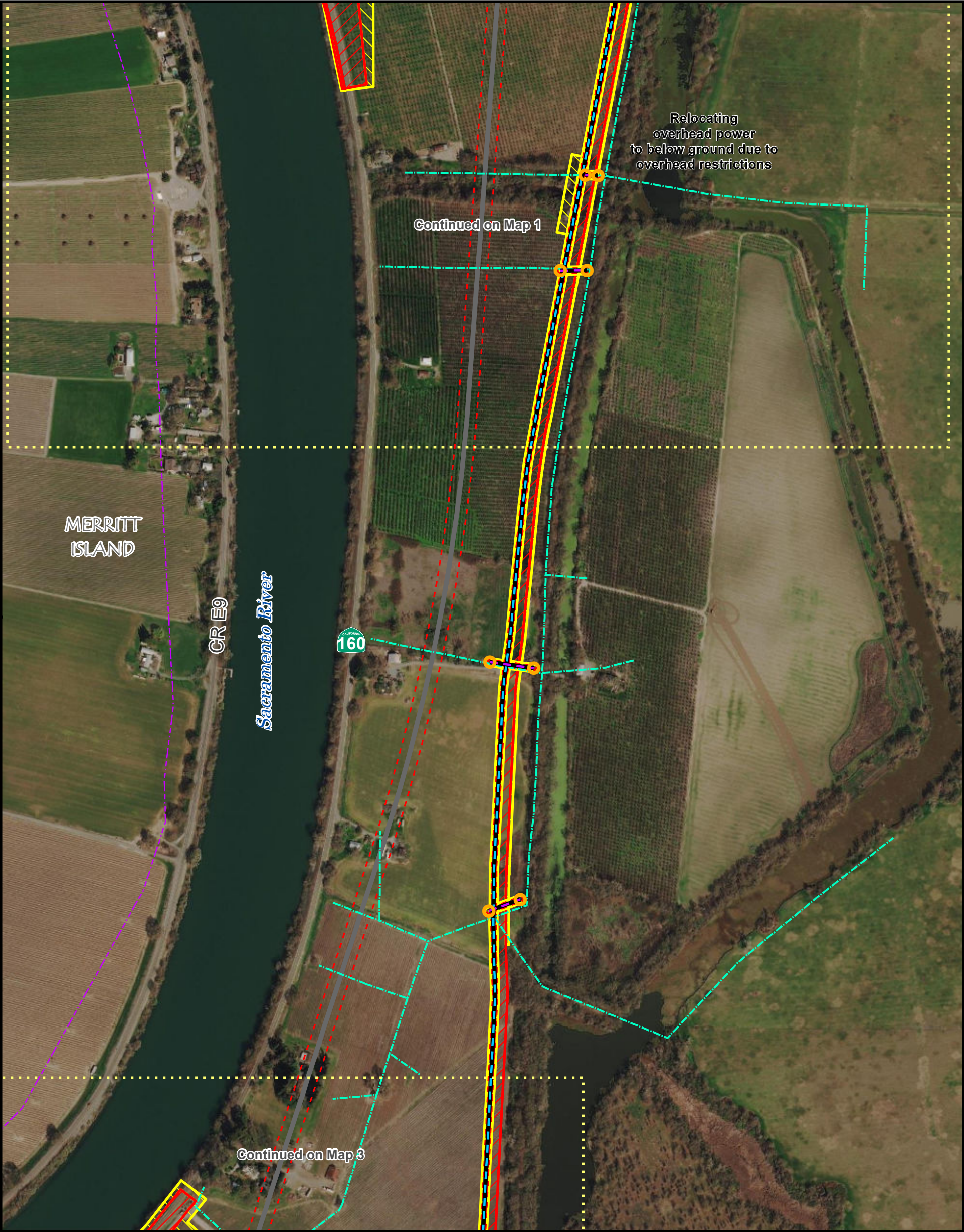


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0 500 Feet

Map 1
Bethany Reservoir Alternative Power Supply
Intake 2
04/01/2022



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Connection to Existing Overhead

Proposed Underground Power

Outside Roadway

Relocated Non-Project Power

Existing Power

PG&E Low Voltage

21-22 kV

SMUD Low Voltage

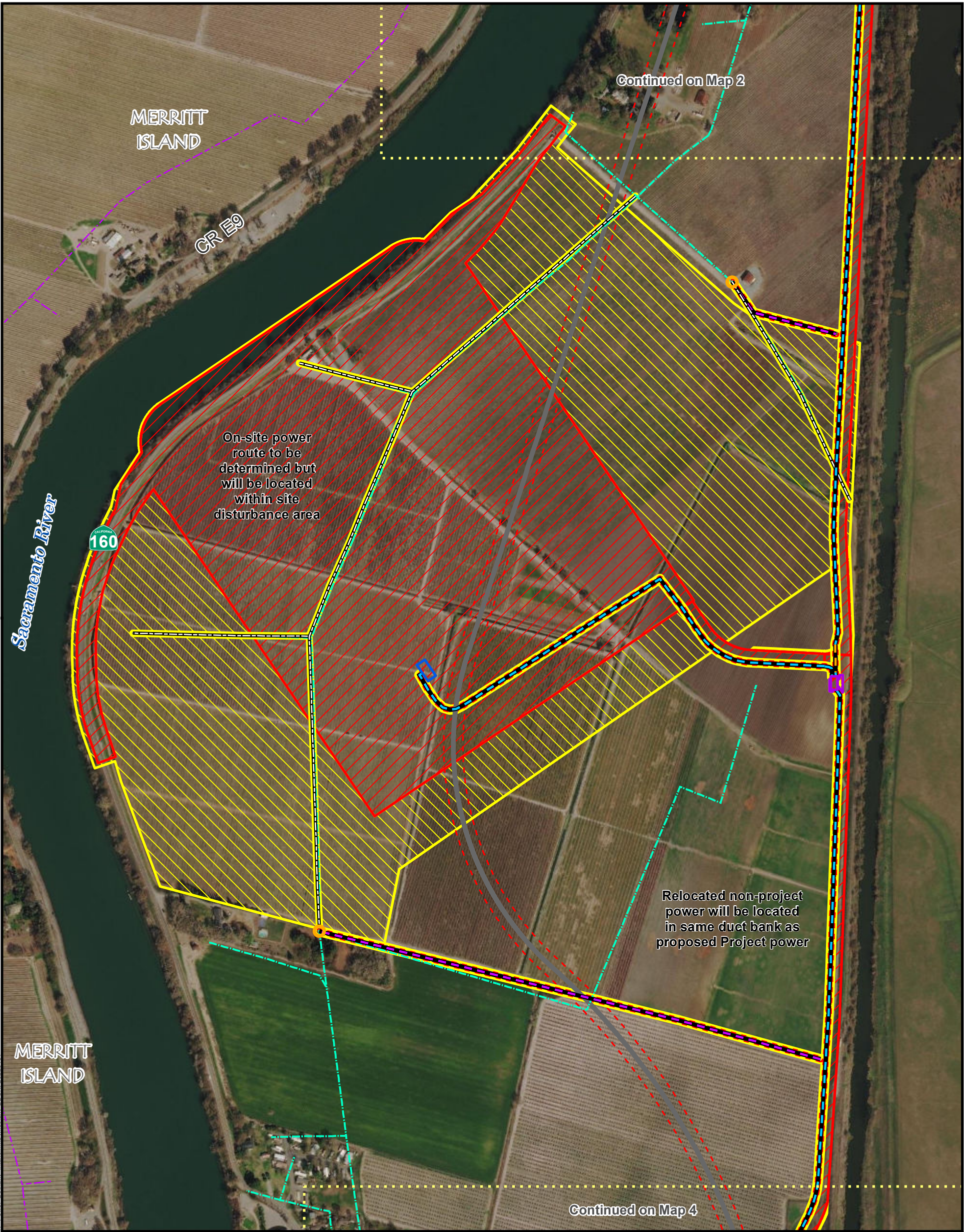
12 kV

Tunnel

Permanent Subsurface Impact

Permanent Surface Impact

Temporary Surface Impact
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-
- For Illustration Purposes Only
-
-
- Map 2
Bethany Reservoir Alternative Power Supply
Intake Haul Road North
04/01/2022
- Data Source: DCA, DWR



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- Proposed Substation
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- Abandoned Existing Power
- Proposed Underground Power**
 - Within Proposed Roadway
 - Outside Roadway
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- Existing Power**
 - PG&E Low Voltage**
 - 21-22 kV
 - SMUD Low Voltage**
 - 12 kV
- Tunnel
- Permanent Subsurface Impact
- Permanent Surface Impact
- Temporary Surface Impact

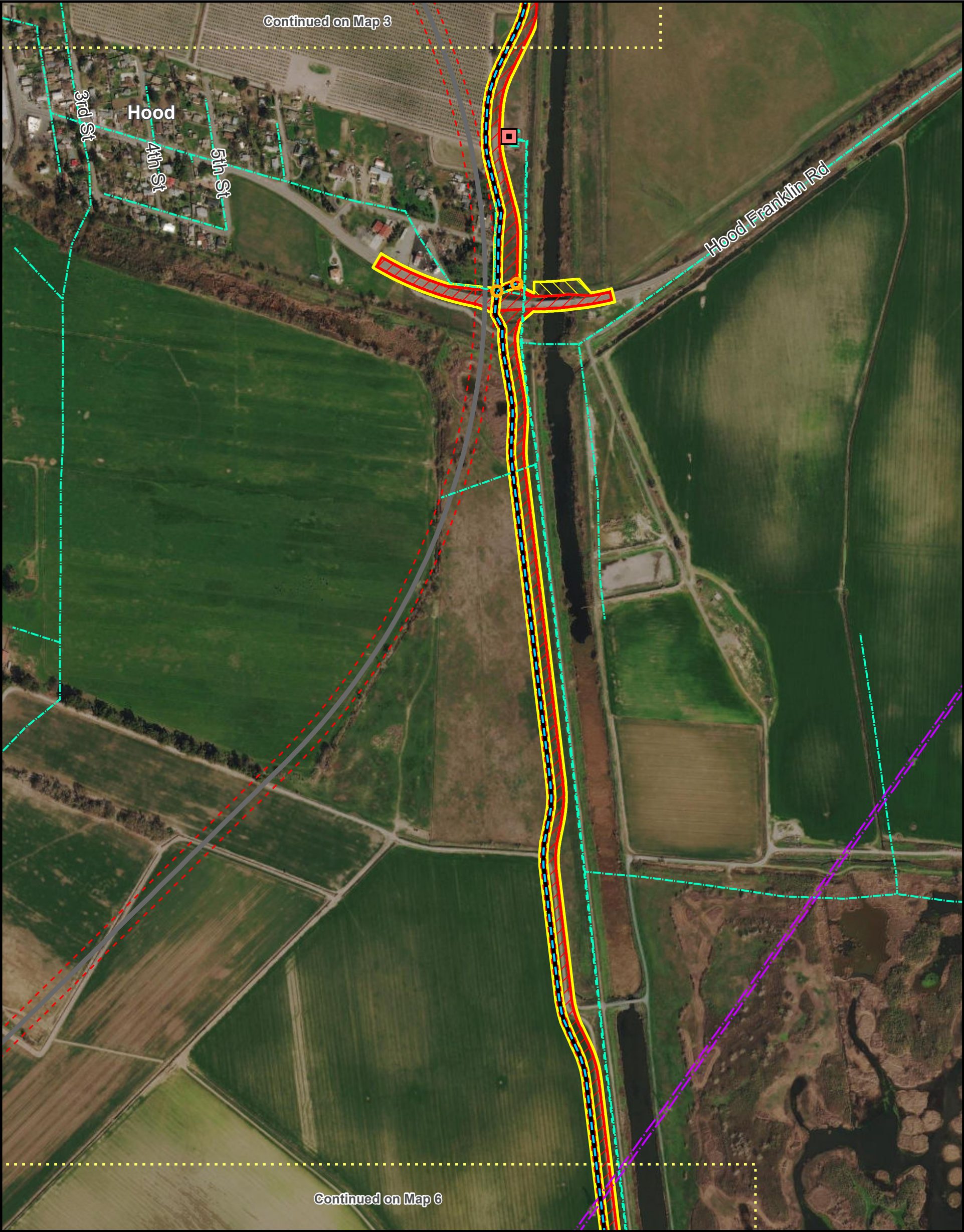
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Map 3
Bethany Reservoir Alternative Power Supply
Intake 3
04/01/2022



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Existing Substation

Connection to Existing Overhead

Proposed Underground Power

Outside Roadway

Existing Power

PG&E High Voltage

SMUD Low Voltage

SMUD High Voltage

Tunnel

Permanent Subsurface Impact

Permanent Surface Impact

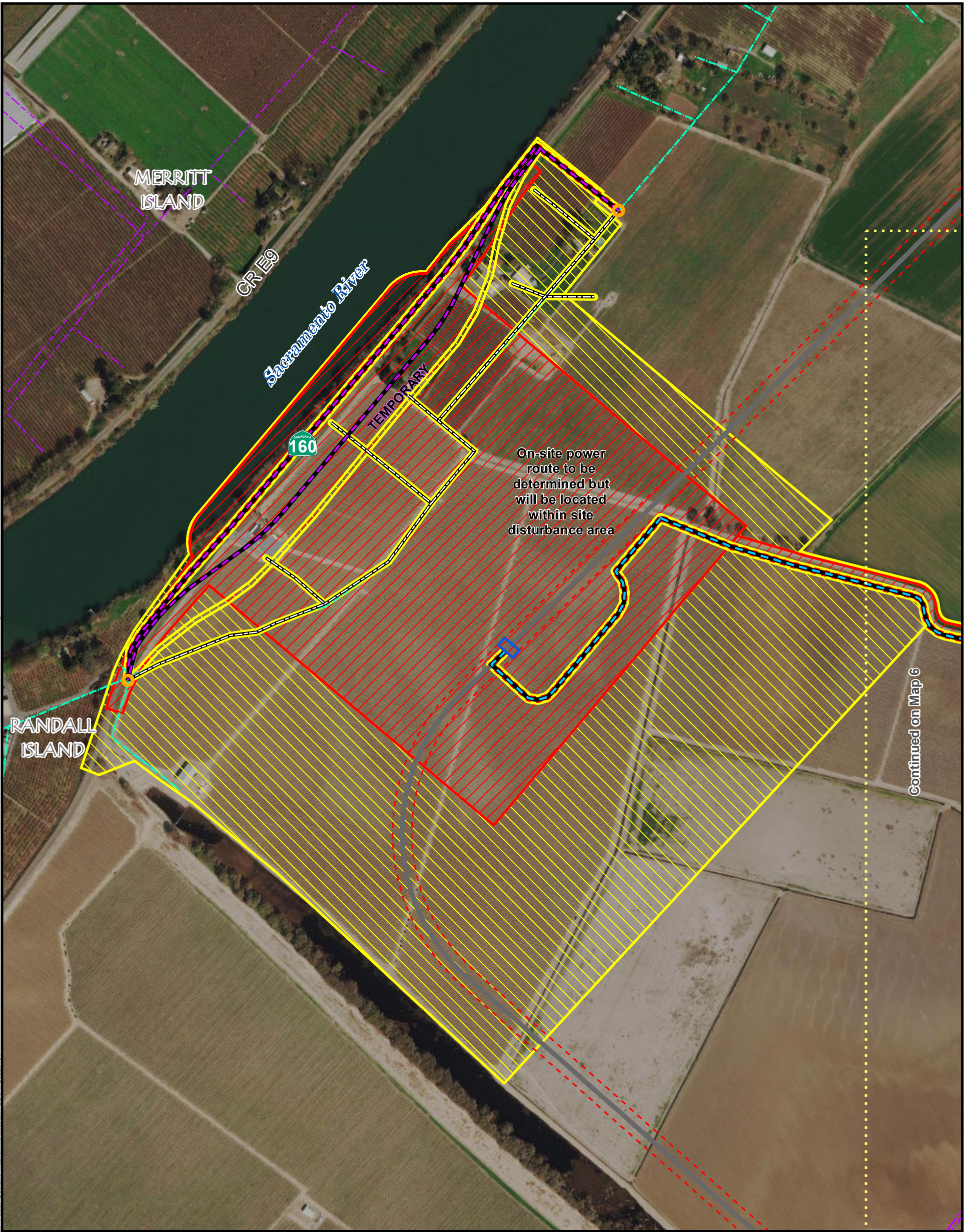
Temporary Surface Impact

115 kV

12 kV

60-70 kV

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Continued on Map 6

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- Connection to Existing Overhead
- Proposed Substation
- Abandoned Existing Power
- Proposed Underground Power
 - Outside Roadway
 - Relocated Non-Project Power

- Existing Power
 - PG&E Low Voltage
 - 21-22 kV
 - PG&E High Voltage
 - 115 kV
 - SMUD Low Voltage
 - 12 kV

Tunnel

- Permanent Subsurface Impact
- Permanent Surface Impact
- Temporary Surface Impact

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0 500 Feet

Map 5
Bethany Reservoir Alternative Power Supply
Intake 5
04/01/2022



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Proposed Switching Station
Proposed Underground Power
Within Proposed Roadway
Outside Roadway

Existing Power
PG&E High Voltage
115 kV
SMUD Low Voltage
12 kV
SMUD High Voltage
60-70 kV
Tunnel
Permanent Subsurface Impact
Permanent Surface Impact
Temporary Surface Impact

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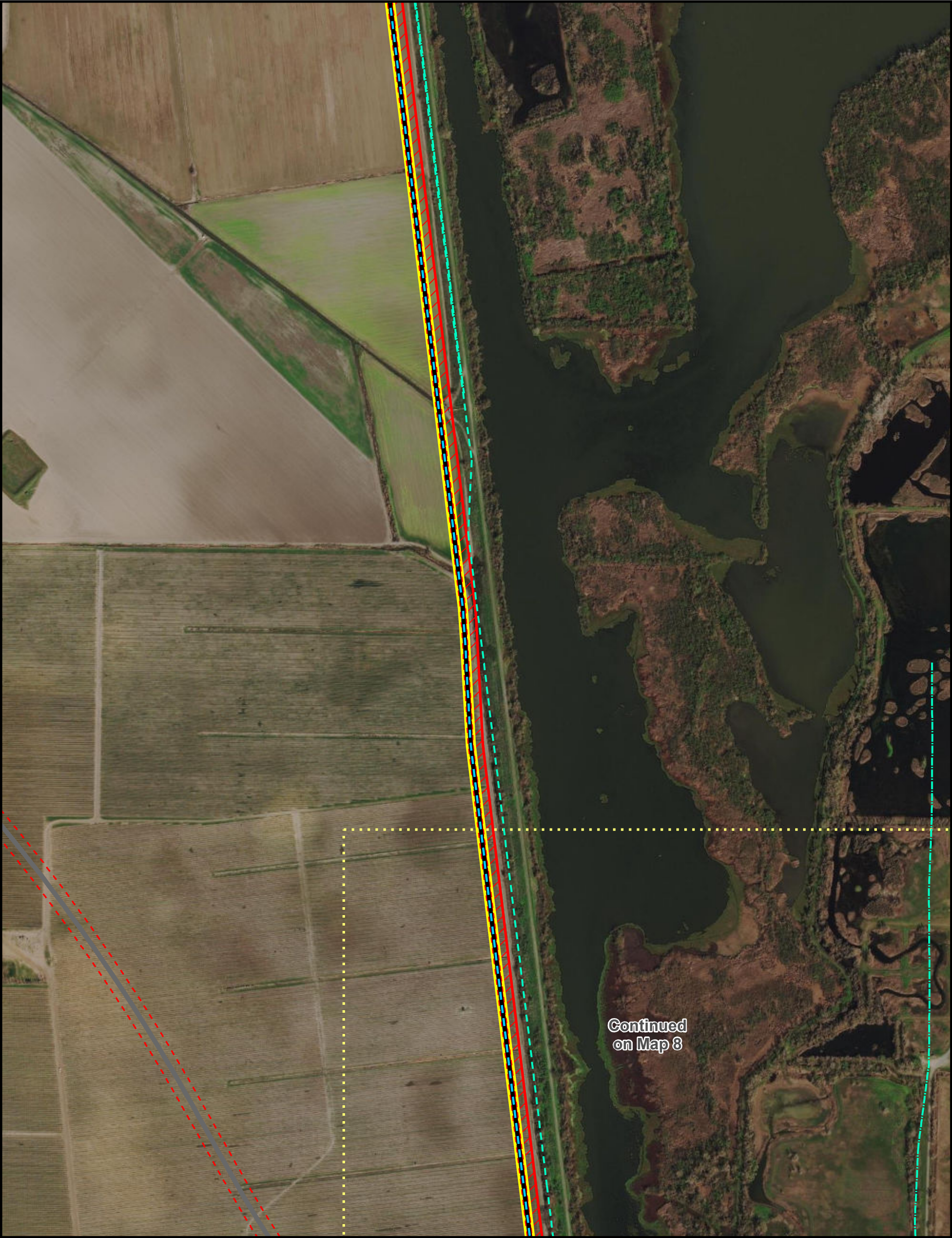


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0 500 Feet

Map 6
Bethany Reservoir Alternative Power Supply
Intake Haul Road South and Intake 5
04/01/2022



Page Index

Proposed Underground Power

Outside Roadway

Existing Power

SMUD Low Voltage

12 kV

SMUD High Voltage

60-70 kV

Tunnel

Permanent Subsurface Impact

Permanent Surface Impact

Temporary Surface Impact

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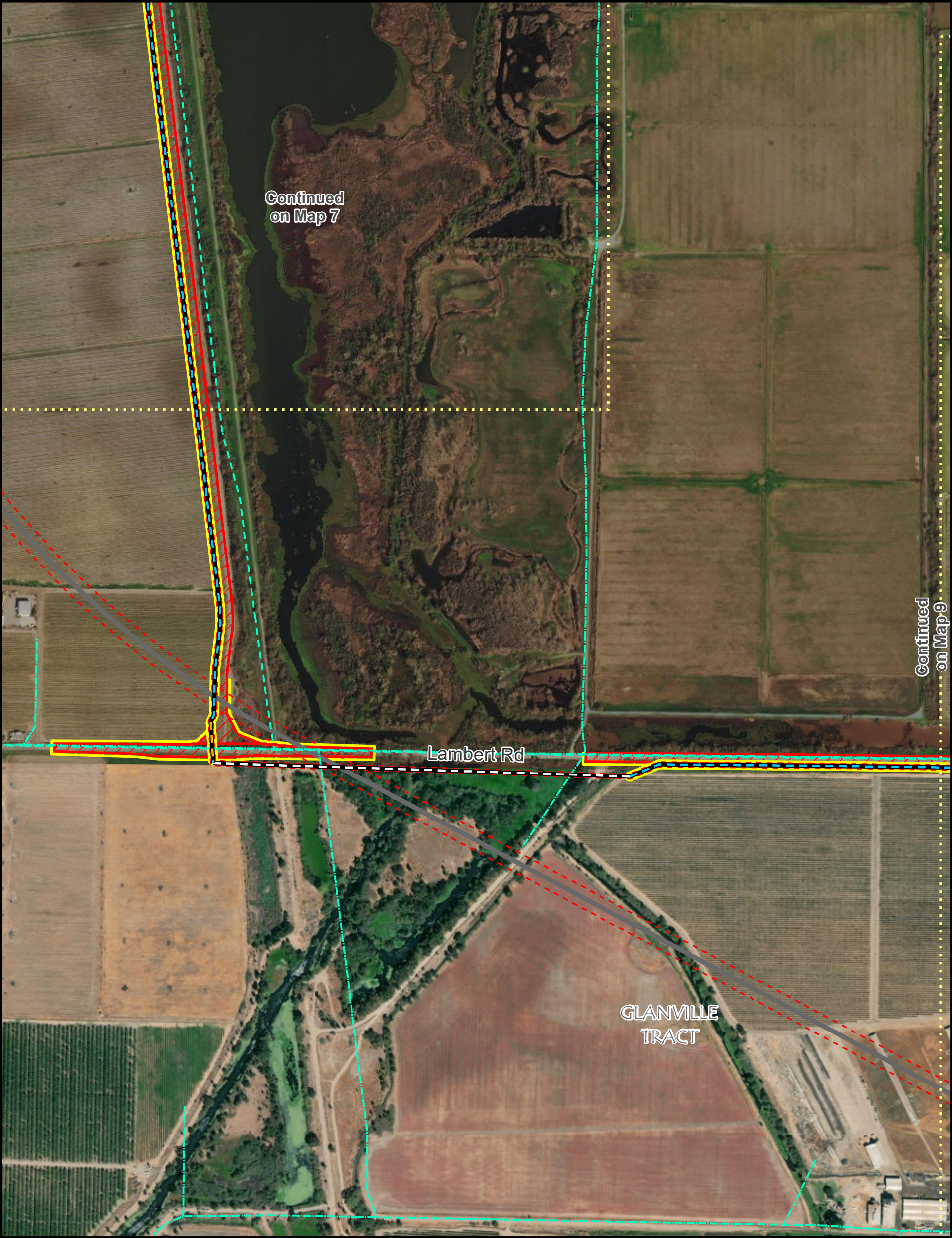
Map 7

Bethany Reservoir Alternative Power Supply

Intake Haul Road South

04/01/2022

Data Source: DCA, DWR



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Proposed Underground Power

Within Proposed Roadway

Outside Roadway

Trenchless Installation

Existing Power

SMUD Low Voltage

12 kV

SMUD High Voltage

60-70 kV

Tunnel

Permanent Subsurface Impact

Permanent Surface Impact


Temporary Surface Impact

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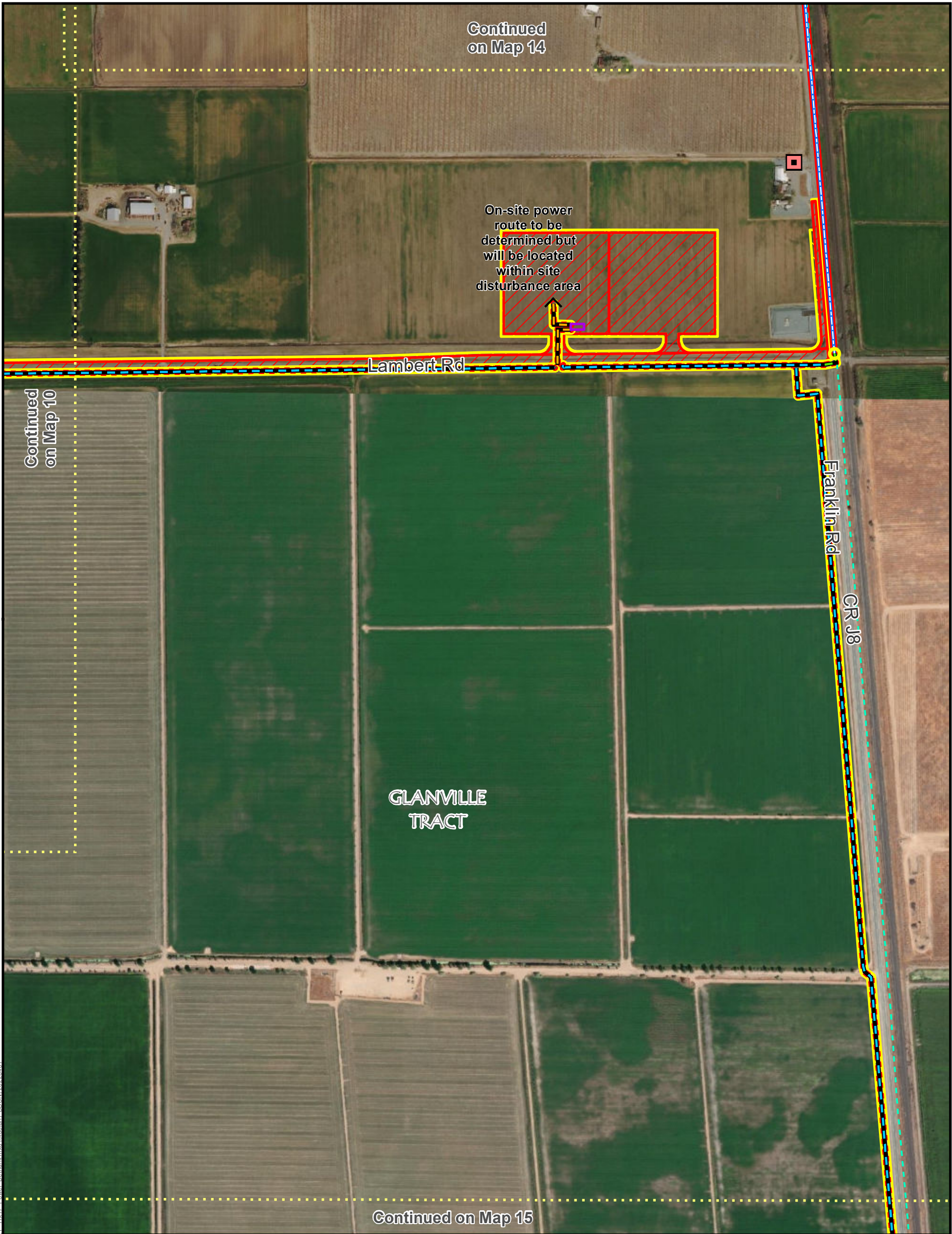
Lambert Rd

GLANVILLE TRACT

GLANVILLE TRACT

 Permanent Subsurface Impact
 Permanent Surface Impact
 Temporary Surface Impact

Map 9
Bethany Reservoir Alternative Power Supply
Lambert Road
04/01/2022



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Existing Substation

Connection to Proposed Overhead, Existing Pole

Proposed Switching Station

Proposed Underground Power

Within Existing Roadway

Within Proposed Roadway

Outside Roadway

Proposed Overhead Power

New Line on Existing Poles

Existing Power

SMUD High Voltage

60-70 kV

Permanent Subsurface Impact

Permanent Surface Impact

Temporary Surface Impact

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& CONSTRUCTION AUTHORITY

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Map 11

Bethany Reservoir Alternative Power Supply
Lambert Road/Franklin Concrete Batch Plant

04/01/2022

Data Source: DCA, DWR



- Page Index
- Improvements to Existing Substation
- Proposed Overhead Power
- New Line on Existing Poles
- Existing Power
- SMUD High Voltage
- 60-70 kV
- 230KV
- Permanent Subsurface Impact
- Permanent Surface Impact
- Temporary Surface Impact

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Map 12
Bethany Reservoir Alternative Power Supply
Franklin Road
04/01/2022



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Proposed Overhead Power
New Line on Existing Poles

Existing Power
SMUD High Voltage
60-70 kV
230KV

Permanent Subsurface Impact
Permanent Surface Impact
Temporary Surface Impact

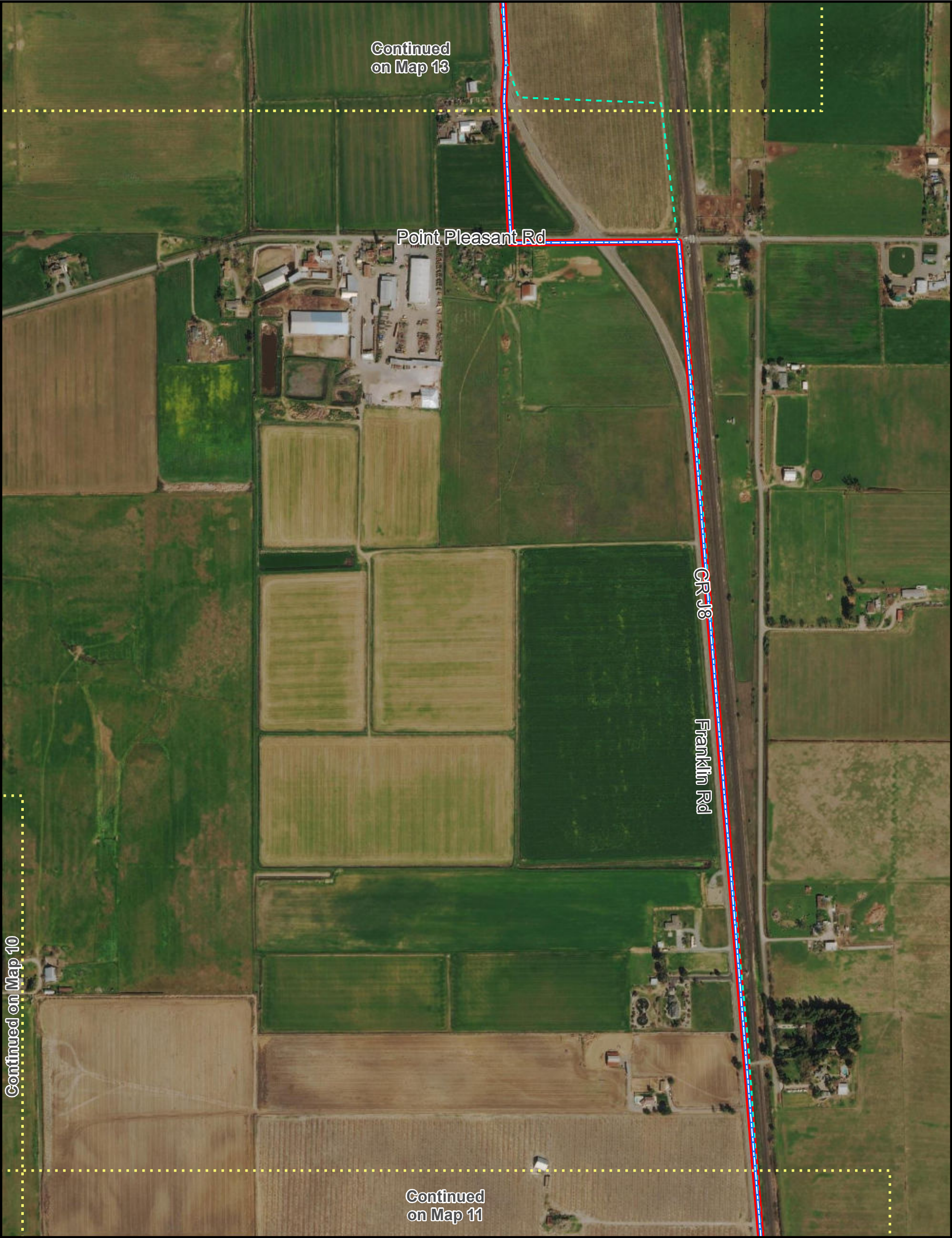
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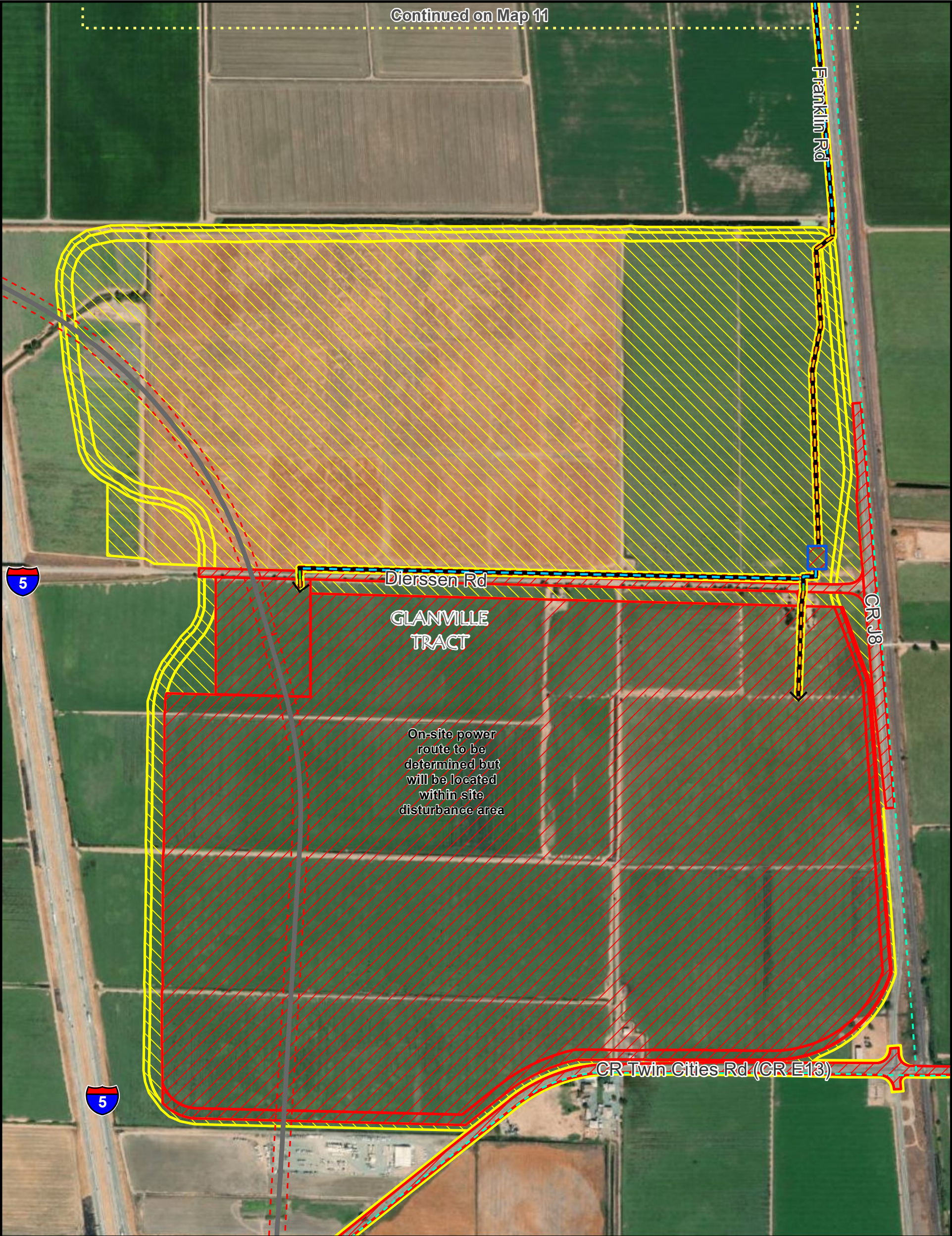
Map 13
Bethany Reservoir Alternative Power Supply
Franklin Road
04/01/2022



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Proposed Overhead Power
New Line on Existing Poles
Existing Power
SMUD High Voltage
60-70 kV
Permanent Subsurface Impact
Permanent Surface Impact
Temporary Surface Impact

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Continued on Map 11



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Proposed Substation

Proposed Underground Power

Within Existing Roadway

Within Proposed Roadway

Outside Roadway

Existing Power

SMUD High Voltage

60-70 kV

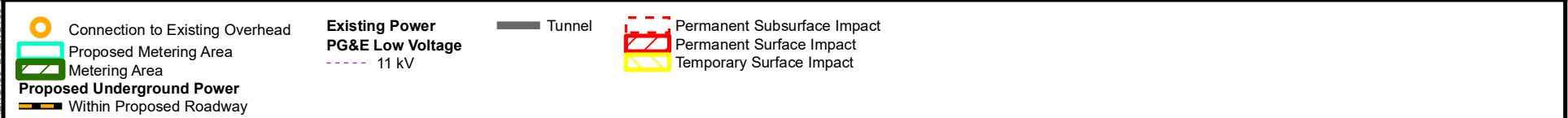
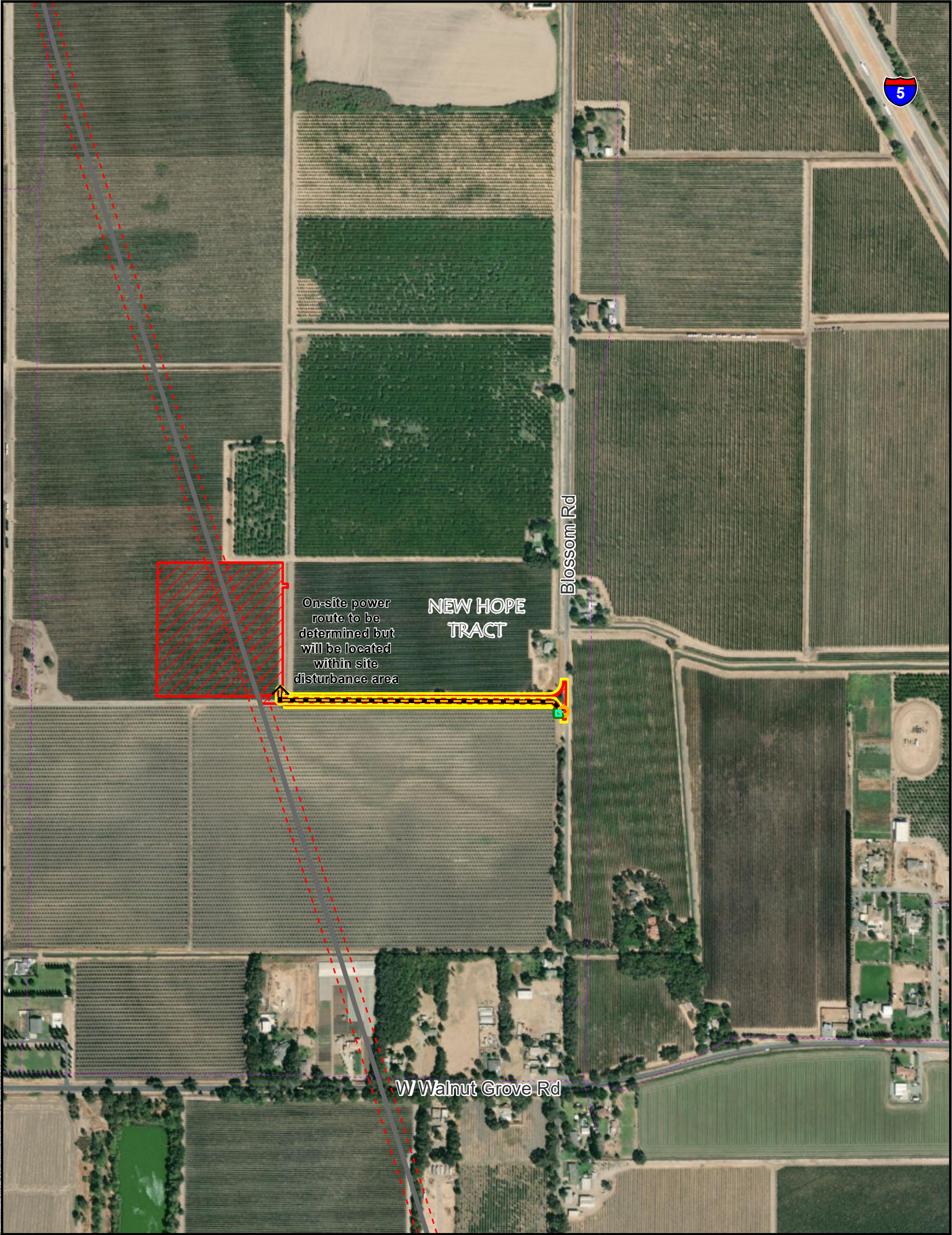
Tunnel

Permanent Subsurface Impact

Permanent Surface Impact

Temporary Surface Impact

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Connection to Existing Overhead

Proposed Metering Area

Metering Area

Proposed Underground Power

Within Existing Roadway

Existing Power

PG&E Low Voltage

11 kV

Tunnel

Permanent Subsurface Impact

Permanent Surface Impact

Temporary Surface Impact

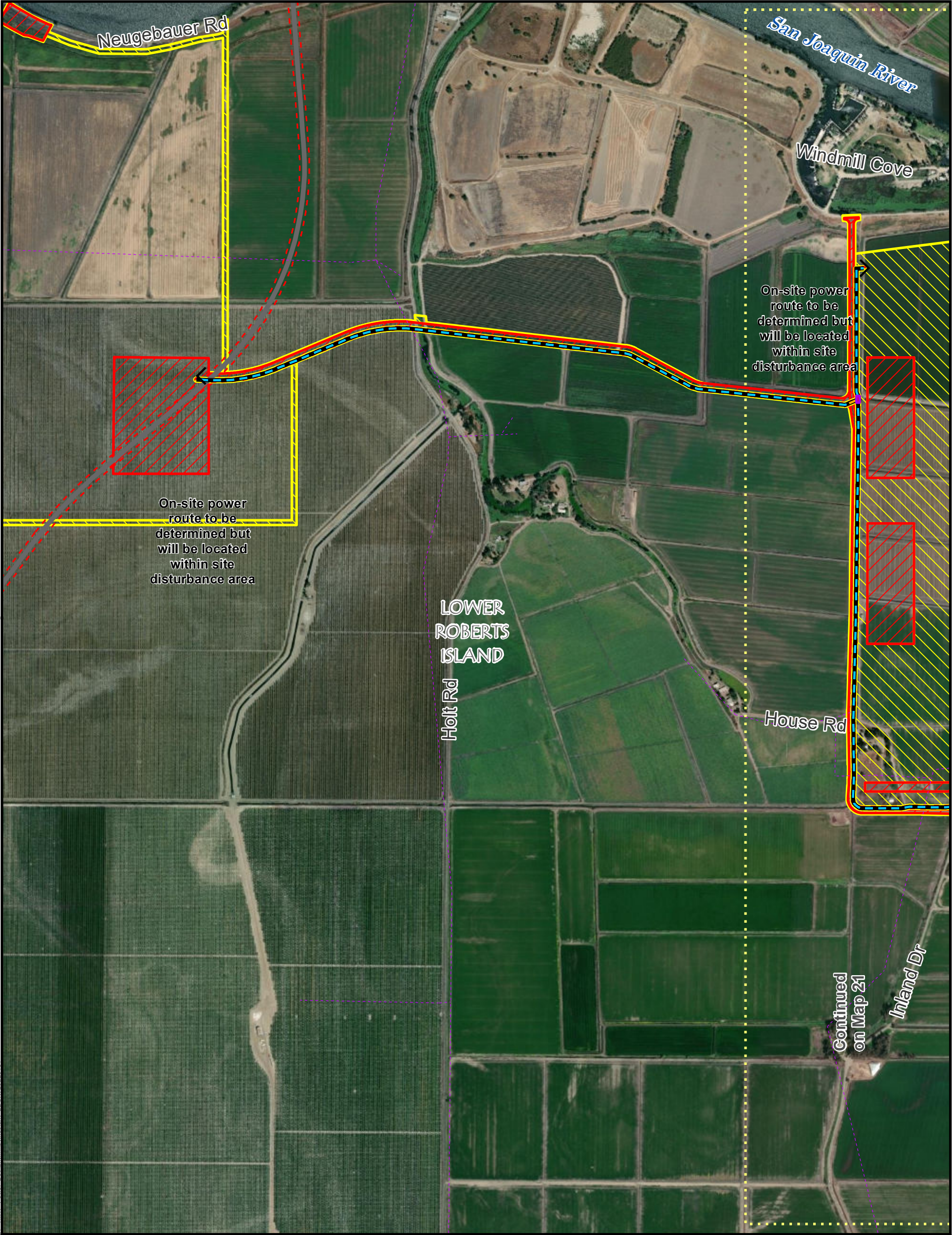
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Data Source: DCA, DWR



- | | | |
|---|--|---|
|  Connection to Existing Overhead |  Tunnel |  Permanent Subsurface Impact |
|  Proposed Metering Area | |  Permanent Surface Impact |
|  Metering Area | |  Temporary Surface Impact |
| Proposed Underground Power | | |
|  Within Proposed Roadway | | |

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Proposed Switching Station

Proposed Underground Power

Within Proposed Roadway

Outside Roadway

Existing Power

PG&E Low Voltage

11 kV


Tunnel

Permanent Subsurface Impact

Permanent Surface Impact

Temporary Surface Impact

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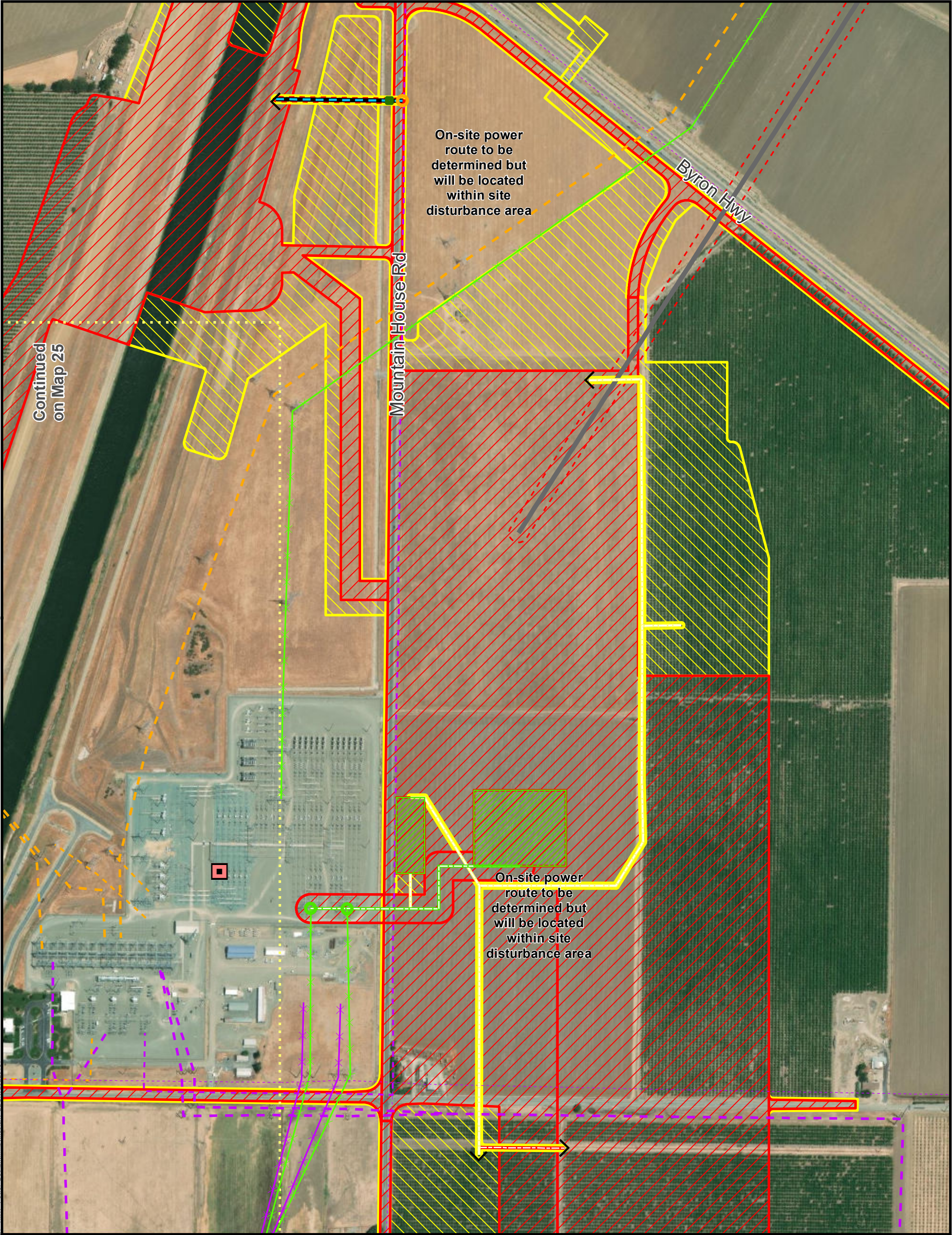
Map 20

Bethany Reservoir Alternative Power Supply

Lower Roberts Island

04/01/2022

Data Source: DCA, DWR



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Existing Substation

Connection to Existing Overhead

Connection to Existing Substation

Metering Area

Substation

Proposed Underground Power

Outside Roadway

Proposed Overhead Power

New Line and Poles

New Line and Towers

Overhead New

Existing Power

PG&E Low Voltage

11 kV

PG&E High Voltage

60-70 kV

500 kV

PGE High Voltage

230 kV

WAPA

60-70 kV

230 kV

Other

TANC 500 kV


Tunnel

Permanent Subsurface Impact

Permanent Surface Impact

Temporary Surface Impact

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& CONSTRUCTION AUTHORITY

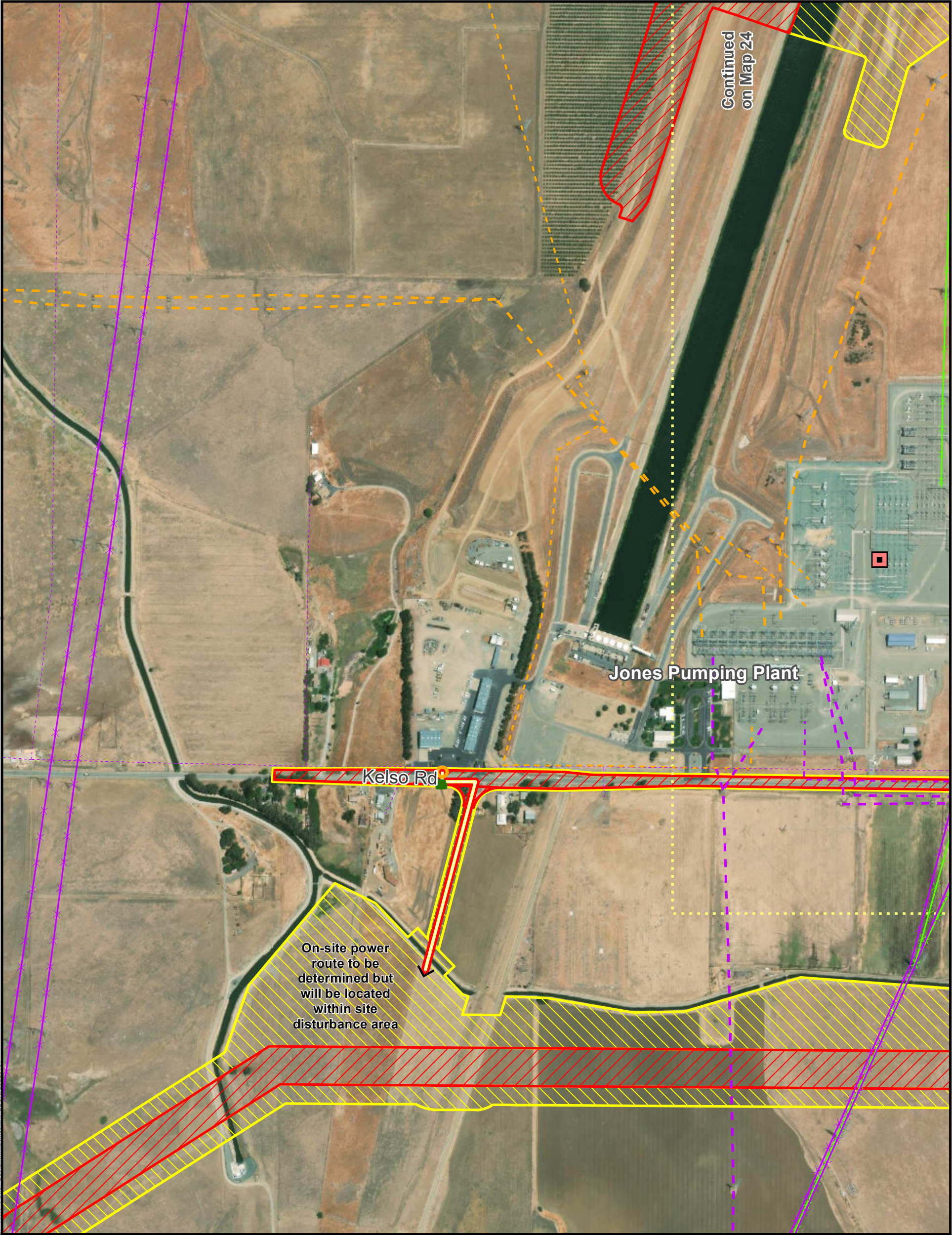
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Map 24
Bethany Reservoir Alternative Power Supply
Bethany Complex
04/01/2022

Data Source: DCA, DWR



Continued
on Map 24

Jones Pumping Plant

Kelso Rd

On-site power
route to be
determined but
will be located
within site
disturbance area

- | | | |
|---|--|---|
| <ul style="list-style-type: none">Page IndexExisting SubstationConnection to Existing OverheadMetering AreaProposed Overhead PowerNew Line and Poles | <p>Existing Power</p> <p>PG&E Low Voltage</p> <ul style="list-style-type: none">11 kV <p>PG&E High Voltage</p> <ul style="list-style-type: none">60-70 kV500 kV <p>PGE High Voltage</p> <ul style="list-style-type: none">230 kV <p>WAPA</p> <ul style="list-style-type: none">60-70 kV230 kV <p>Other</p> <ul style="list-style-type: none">TANC 500 kV | <ul style="list-style-type: none">Permanent Subsurface ImpactPermanent Surface ImpactTemporary Surface Impact |
|---|--|---|

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Map 25
Bethany Reservoir Alternative Power Supply
Bethany Complex
04/01/2022



**Connection to Existing Overhead**

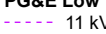
**Metering Area**


**Proposed Overhead Power**


**New Line and Towers**

Existing Power


**PG&E Low Voltage**
11 kV

**PG&E High Voltage**
60-70 kV

**PGE High Voltage**
230 kV

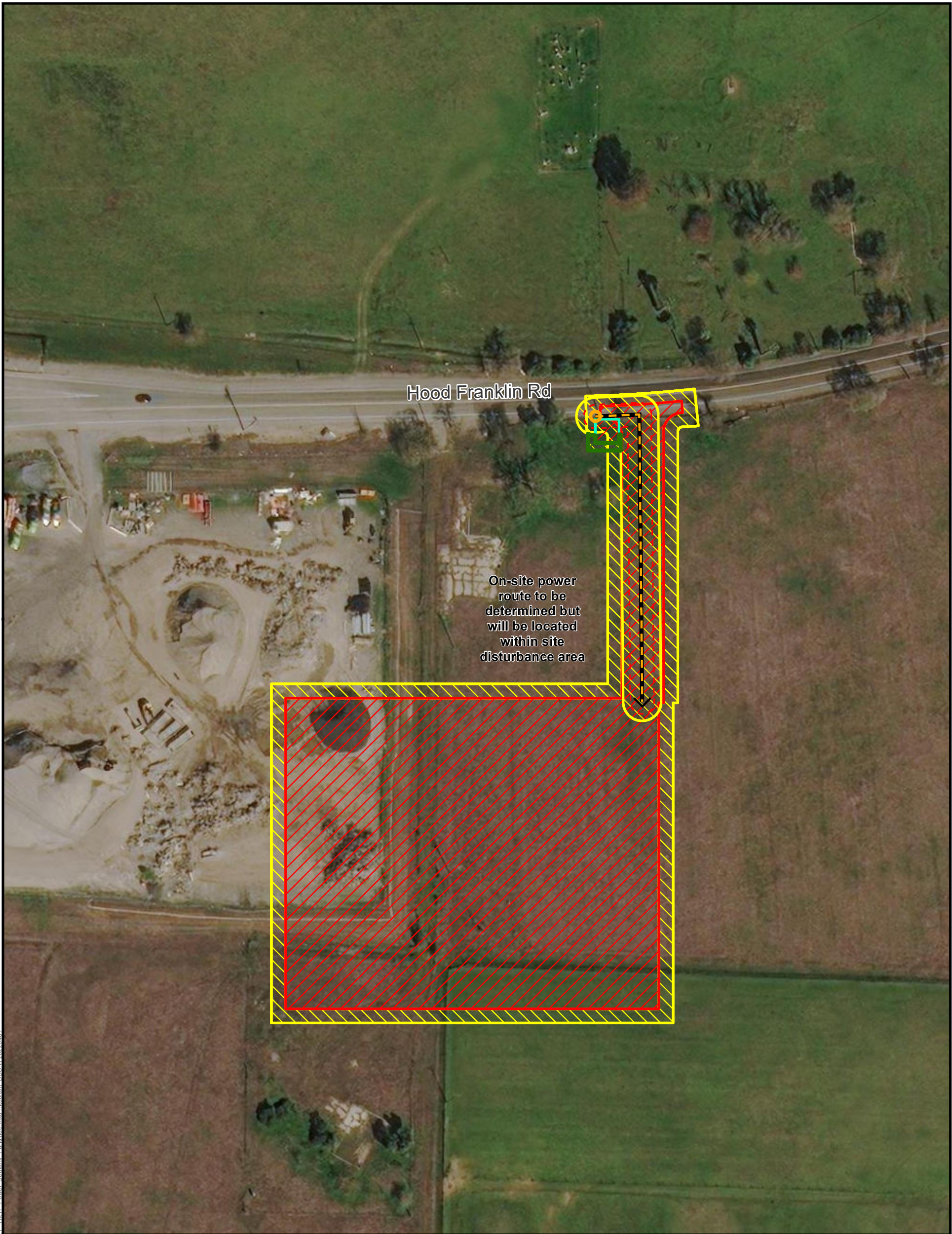
**Permanent Subsurface Impact**

**Permanent Surface Impact**

**Temporary Surface Impact**

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Data Source: DCA, DWR



 Connection to Existing Overhead

 Proposed Metering Area

 Metering Area

 **Proposed Underground Power**


 Within Proposed Roadway


 Permanent Subsurface Impact


 Permanent Surface Impact


 Temporary Surface Impact



**Connection to Existing Overhead**


**Proposed Metering Area**

**Proposed Overhead Power**


**New Line and Poles**


Existing Power


PG&E Low Voltage


 11 kV


PG&E High Voltage

 60-70 kV

 115 kV

 Permanent Subsurface Impact

 Permanent Surface Impact

 Temporary Surface Impact

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