
DISCLAIMER

THE CONTENT OF THIS PRESENTATION SHALL BE USED FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACT DOCUMENTS LISTED BELOW PRESENT ALL REQUIREMENTS FOR THE WORK:

- CONTRACT 300187.08.01 – INTAKE
- CONTRACT 300187.08.02 – FACILITIES
- CONTRACT 300187.08.03 – PIPELINE NORTH
- CONTRACT 300187.08.04 – PIPELINE CENTRAL
- CONTRACT 300187.08.05 – PIPELINE SOUTH



NWP NACIMIENTO WATER PROJECT



San Luis Obispo County Flood Control & Water Conservation District

Pre-Bid Meeting July 10, 2007

Contract 300187.08.02 (Spec 2)



Agenda

- Project Introduction
- Contract overview
- Project schedule
- Camp Roberts access
- Bid requirements
- Core logs
- Questions



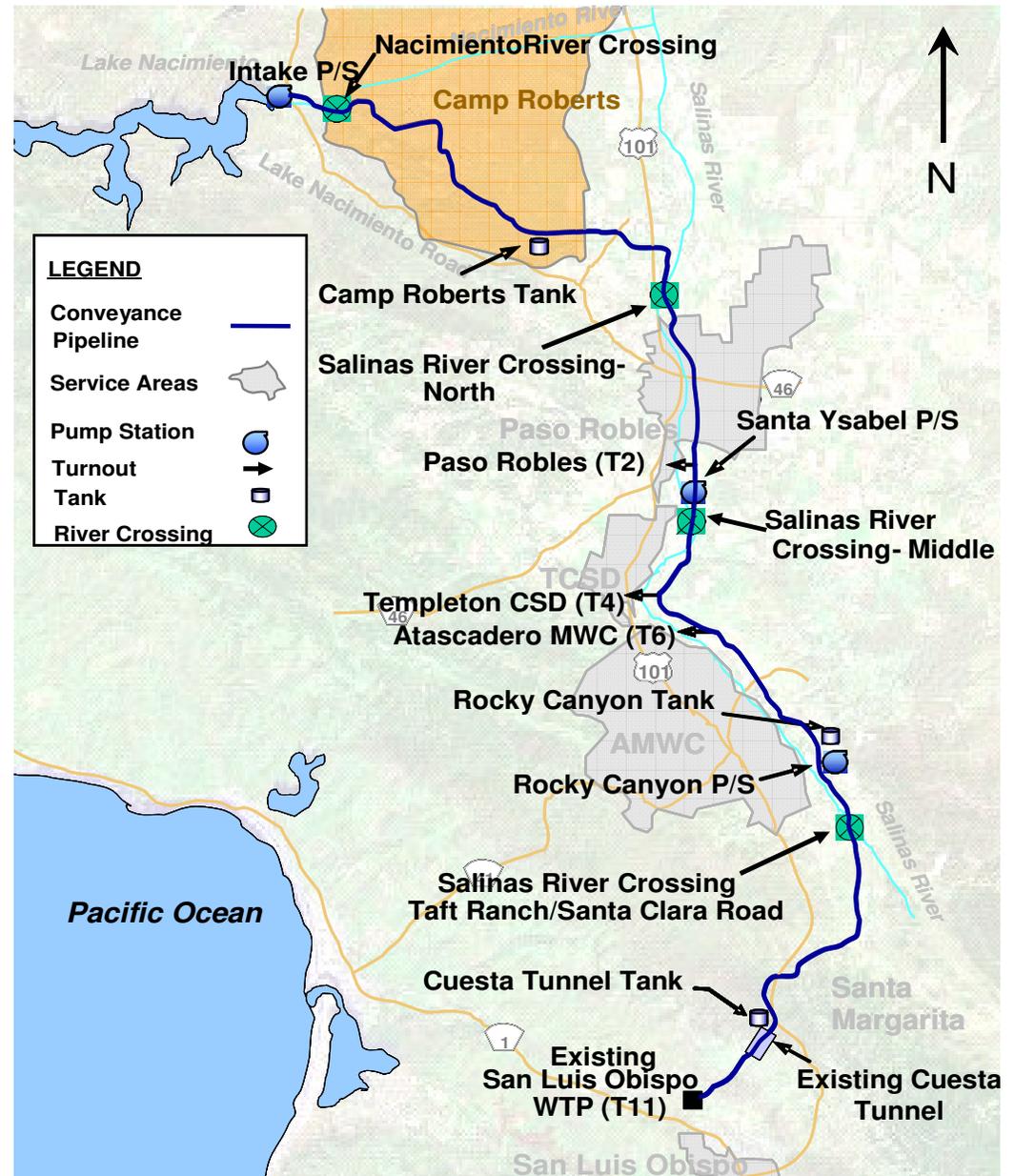
Administrative items

- Mandatory pre-bid meeting
- Sign in
- Questions



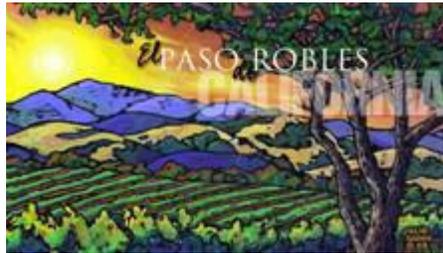
Project Overview

- Raw Water Conveyance
- Deliver 15,750 AFY
- New intake structure
- 45 miles of pipeline
- 3 Storage tanks
- 3 Pump stations
- “Reserved capacity”





Project Participants

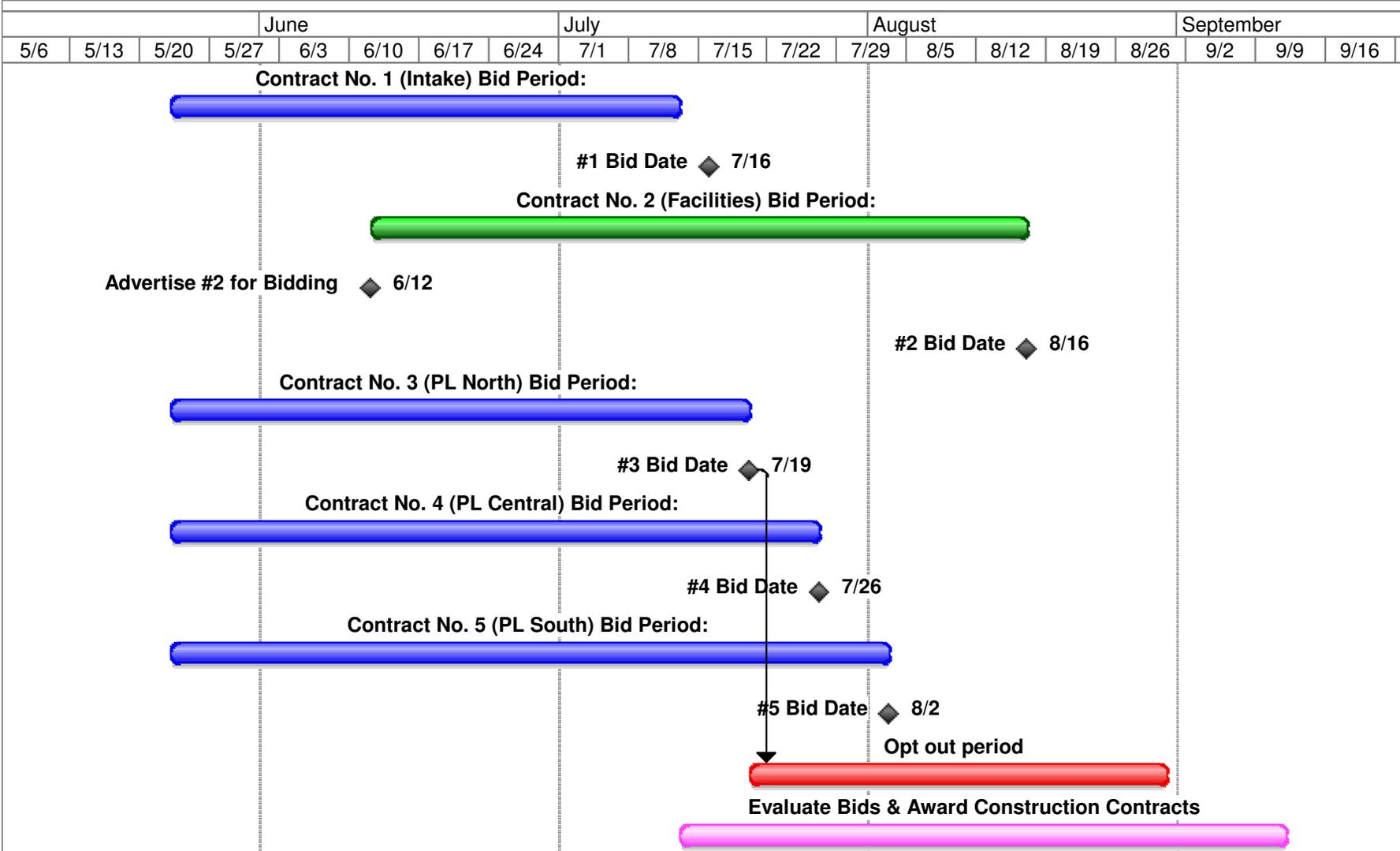


Paso Robles	4,000 AFY
Templeton CSD	250 AFY
Atascadero MWC	2,000 AFY
SLO City	3,380 AFY
CSA10A	25 AFY

Lake Nacimiento
15,750 Acre Feet per year



Bid Schedule





Participant Support for Project

Newspaper of the Central Coast • SanLuisObispo.com

THE TRIBUNE

50¢

FOR HOME DELIVERY: 781-7878

SAN LUIS OBISPO COUNTY, CALIFORNIA

ATURDAY, JUNE 2, 2007

DARE PROGRAM | IN **BIZ BUZZ**, C1

SLO JUST SAYS NO TO GAS GUZZLER



THIS SUMMER'S FINAL SHOWS ANNOUNCED | IN **LOCAL**, B1

FAIR'S GOT STEVIE NICKS

FLEETWOOD MAC SINGER AND THE BANGLES ARE AMONG ACTS CONFIRMED

LATEST ESTIMATE FOR NACIMIENTO WATER PROJECT: \$190 MILLION

Pipeline partners hang in despite costs

By DAVID SNEED
dsneed@tribunenews.com

The four major players in the proposed Nacimiento water pipeline project say they're likely to stick with it, even as current cost estimates have ballooned to \$190 million.

They're maintaining their support for the project despite an escape clause in their con-

SLO, Paso, Templeton and Atascadero say they're counting on the lake as an important water source

tracts that allows them to walk away if the price goes above \$150 million.

The project's manager recently notified the four main water purveyors involved in the pipeline that the latest cost

estimates exceed the \$150 million opt-out threshold. This means the agencies must now officially decide whether they want to continue their involvement.

The city councils of Paso

DOCUMENTSONLINE

See the Nacimiento pipeline project status report at sanluisobispo.com.

Robles and San Luis Obispo as well as the boards of directors of the Templeton Community Services District and the Atascadero Mutual Water Co. have meetings scheduled

in August to consider the opt-out question.

"It is my intention to and I anticipate that I will encourage us to stay with the project, primarily because it's a reliable source of water for the district," said Bill Van Orden, general manager with the Templeton services district.

The project calls for 75 miles

of pipeline to be laid from Nacimiento Lake in the northwestern part of the county to San Luis Obispo. If built as planned, the project would begin delivering 15,750 acre-feet of water in late 2010.

An acre-foot of water is about enough to supply a household

See NACIMIENTO, Back Page

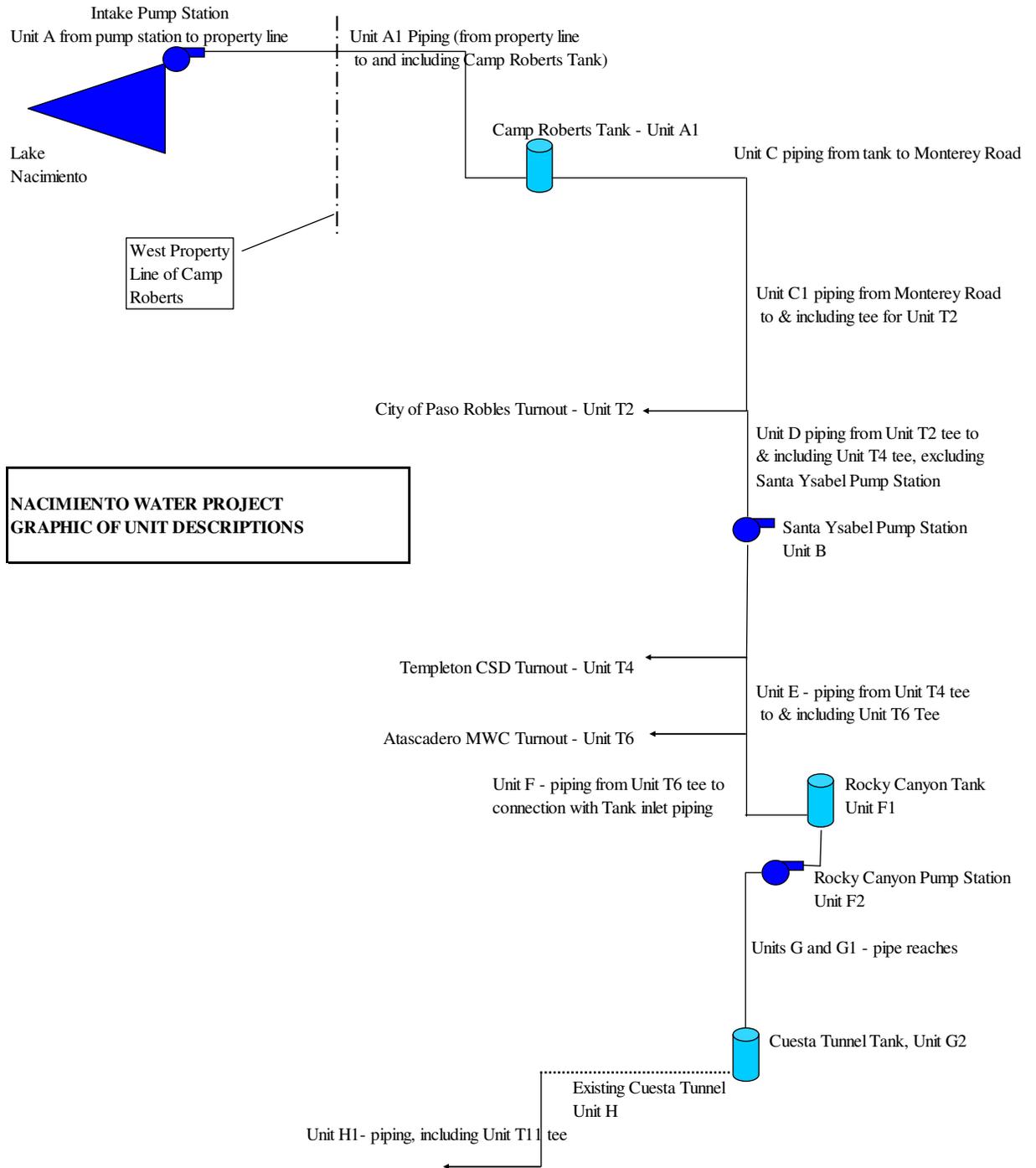


Spec 2 Contract Orientation

- Spec 2 – Facilities
 - Unit A – Pump Station
 - Unit A1 – Camp Roberts Tank
 - Unit B – Santa Ysabel Pump Station
 - Unit F1 – Rocky Canyon Tank
 - Unit F2 – Rocky Canyon Pump Station
 - Unit G2 – Cuesta Tunnel Tank
 - T2, T4, T6, T11 – Turnout controls
 - SCADA
 - Testing and Startup



Spec 2 - Facilities Summary schematic



**NACIMIENTO WATER PROJECT
GRAPHIC OF UNIT DESCRIPTIONS**



LEGEND

Conveyance Pipeline	
Service Areas	
Pump Station	
Turnout	
Tank	
River Crossing	

Unit A – Intake pump station

Unit A1 – Camp Roberts Tank

Unit B – Santa Ysabel Pump Station

Unit F1 & F2 – Rocky Canyon Tank and Pump Station

Unit G2 – Cuesta Tunnel Tank



Unit A - Intake Pump Station Spec 1 products

- Intake Shaft (16' – 20' dia. x 185'±)
- Microtunnel (48" min. diameter)
- Lake Tap
- Multi-Port Sloping Intake Pipe; 7 Inlets
- Intake Valve System with Hydraulic Power Unit



Intake Structure

Shaft –
185'

Intake
tunnel –
450'

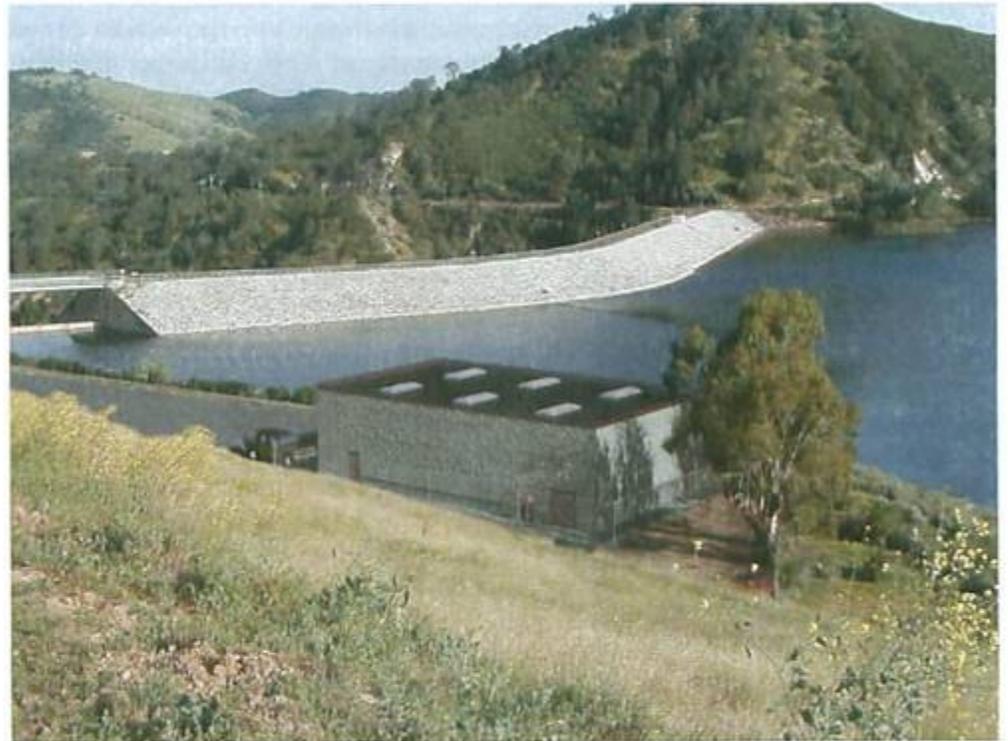
Intake
piping





Intake Pump Station

- Building – 91' x 52'
- Pumps – 5 – 700hp variable speed
- Relocation of Hydraulic Power Unit
- Fiber optic network
- Piping and Valves



Rendering of Intake Pump Station on Lake Nacimiento



Interface
with Spec 3
and
Monterey
County
Water
Resources





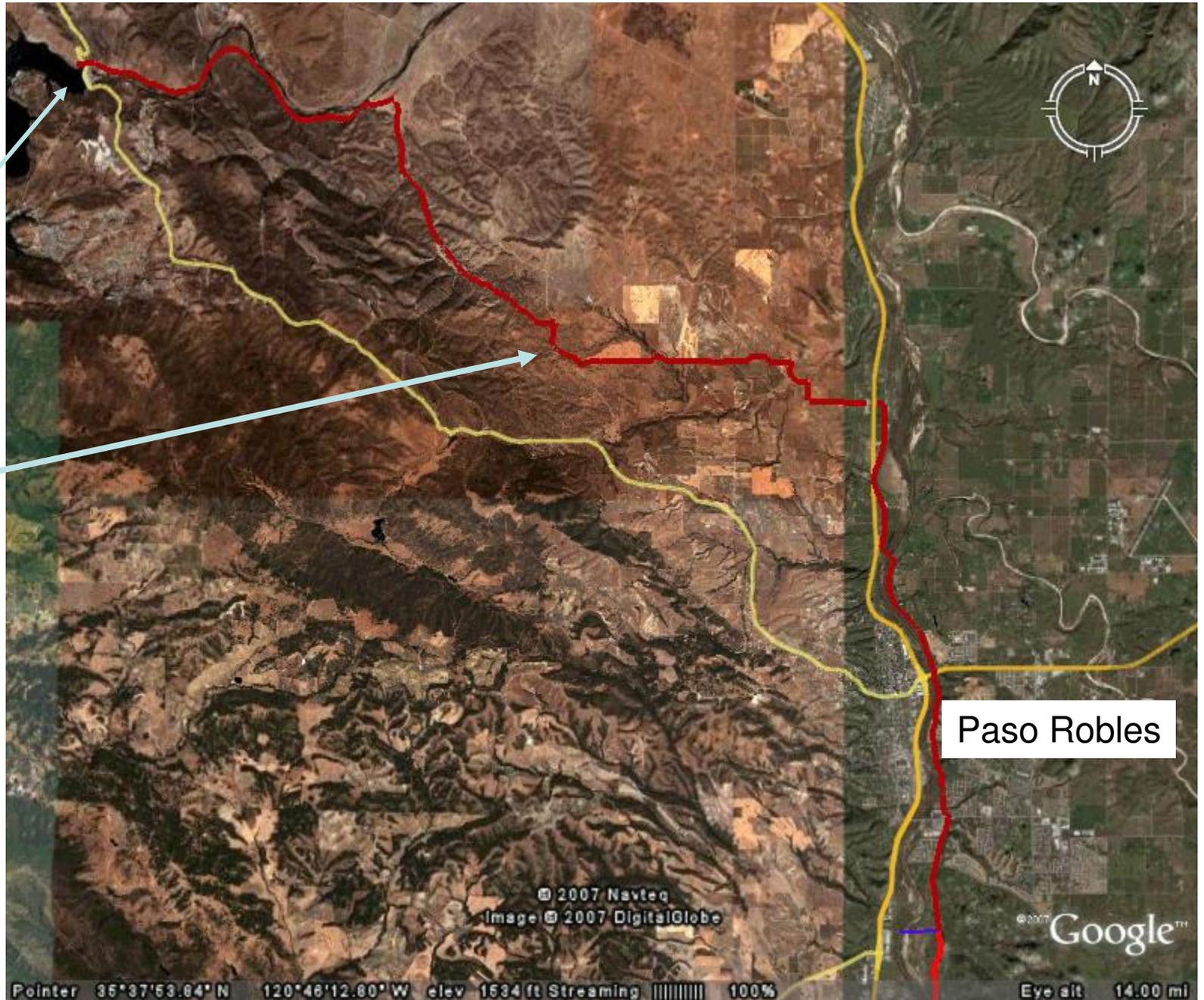
Unit A1 – Camp Roberts Tank

- 850,000 gallon steel tank – 70' diameter
- Piping and valves
- Fiber optic network



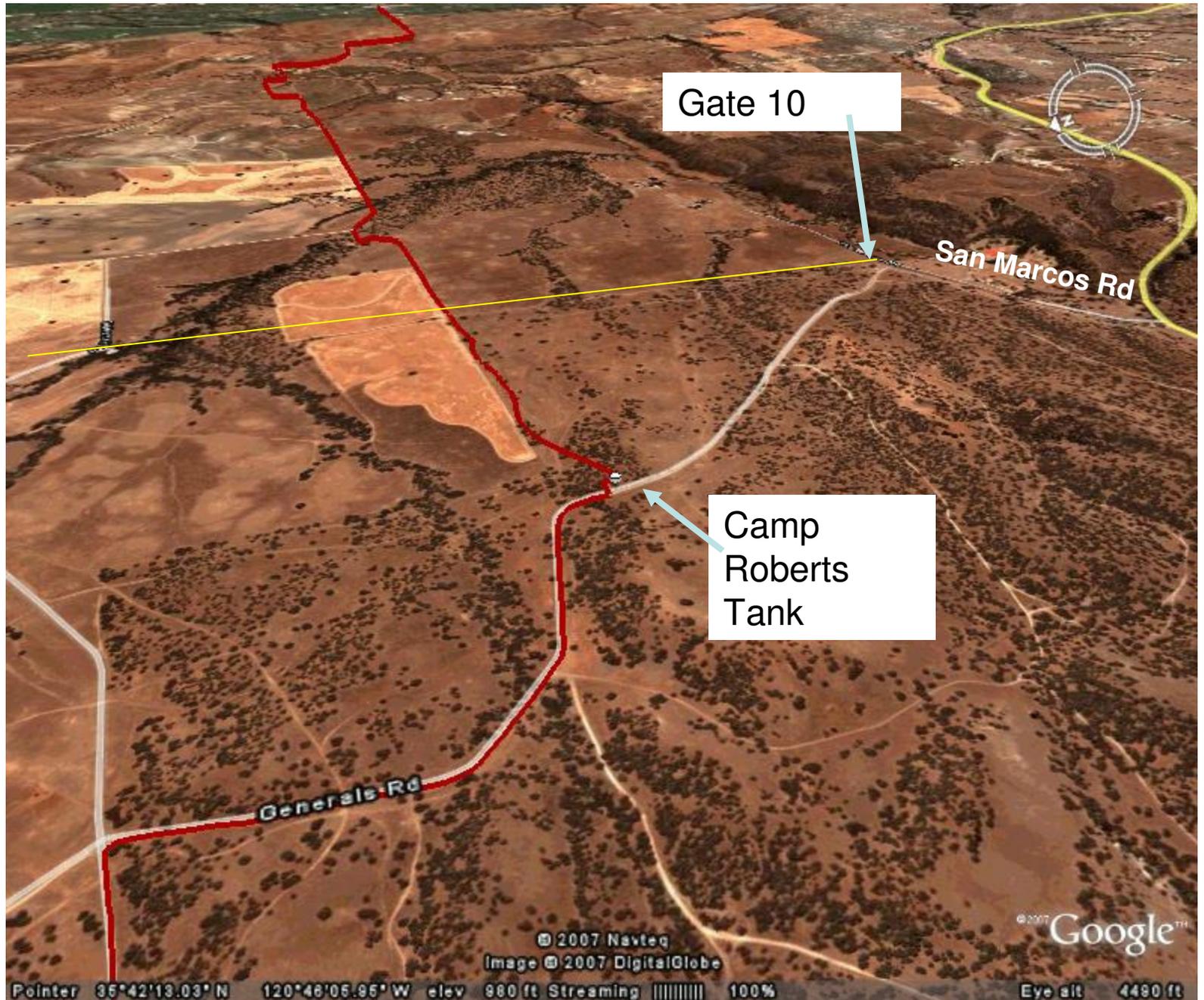
Lake Nacimiento

Tank Roberts Tank





Unit A 1





Unit A1

Camp
Roberts
Tank





Camp Roberts

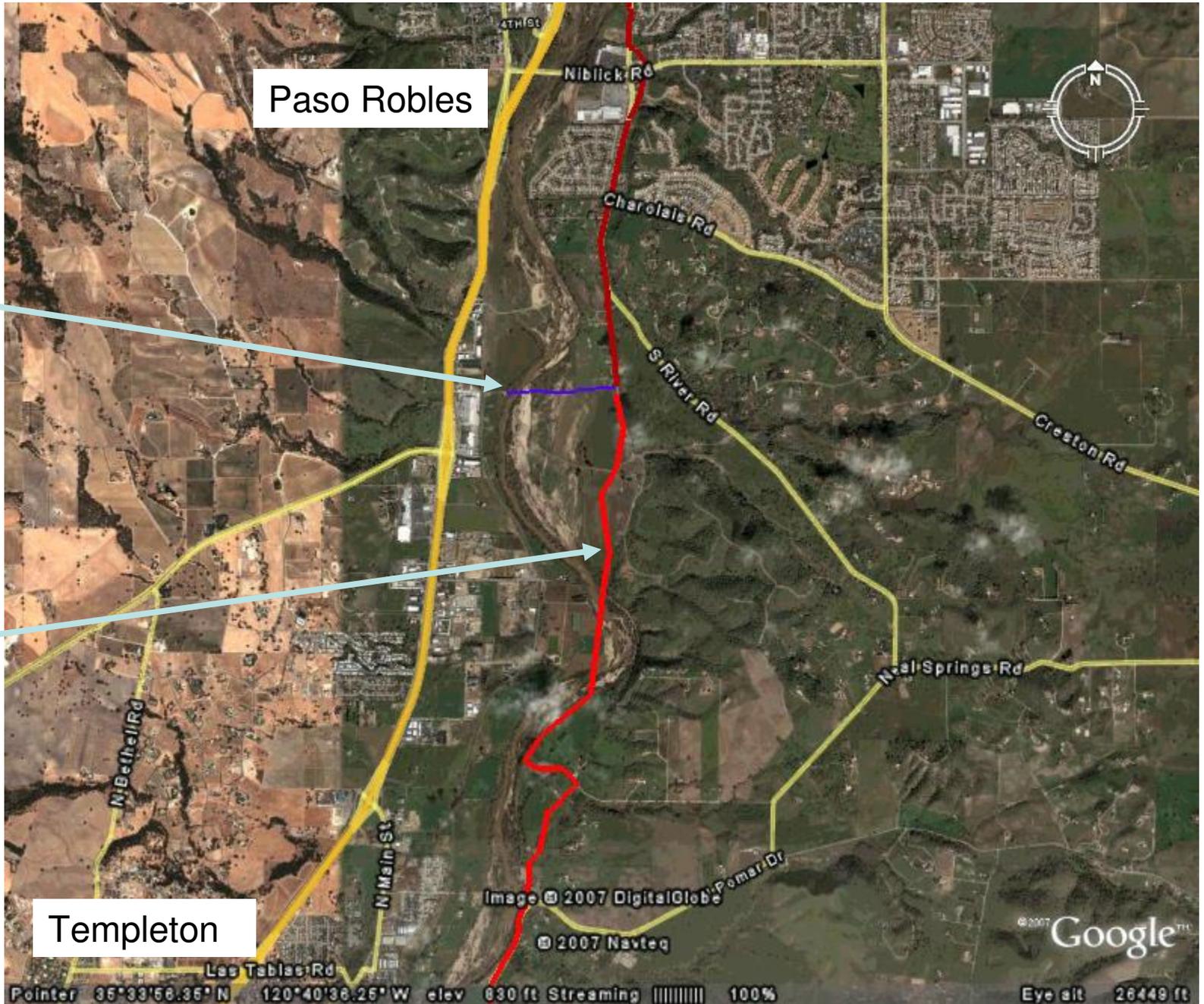
- Unexploded ordinance requirements (UXO)
- Site access coordination
 - CW2 Nick Dougal – 805-365-5083



Santa Ysabel Pump Station

- Building – 65' x 33'
- Pumps – 4 – 600 hp
(2 variable speed)
- Piping and valves
- Fiber optic network





Paso Robles

T2

Santa Ysabel pump station

Templeton

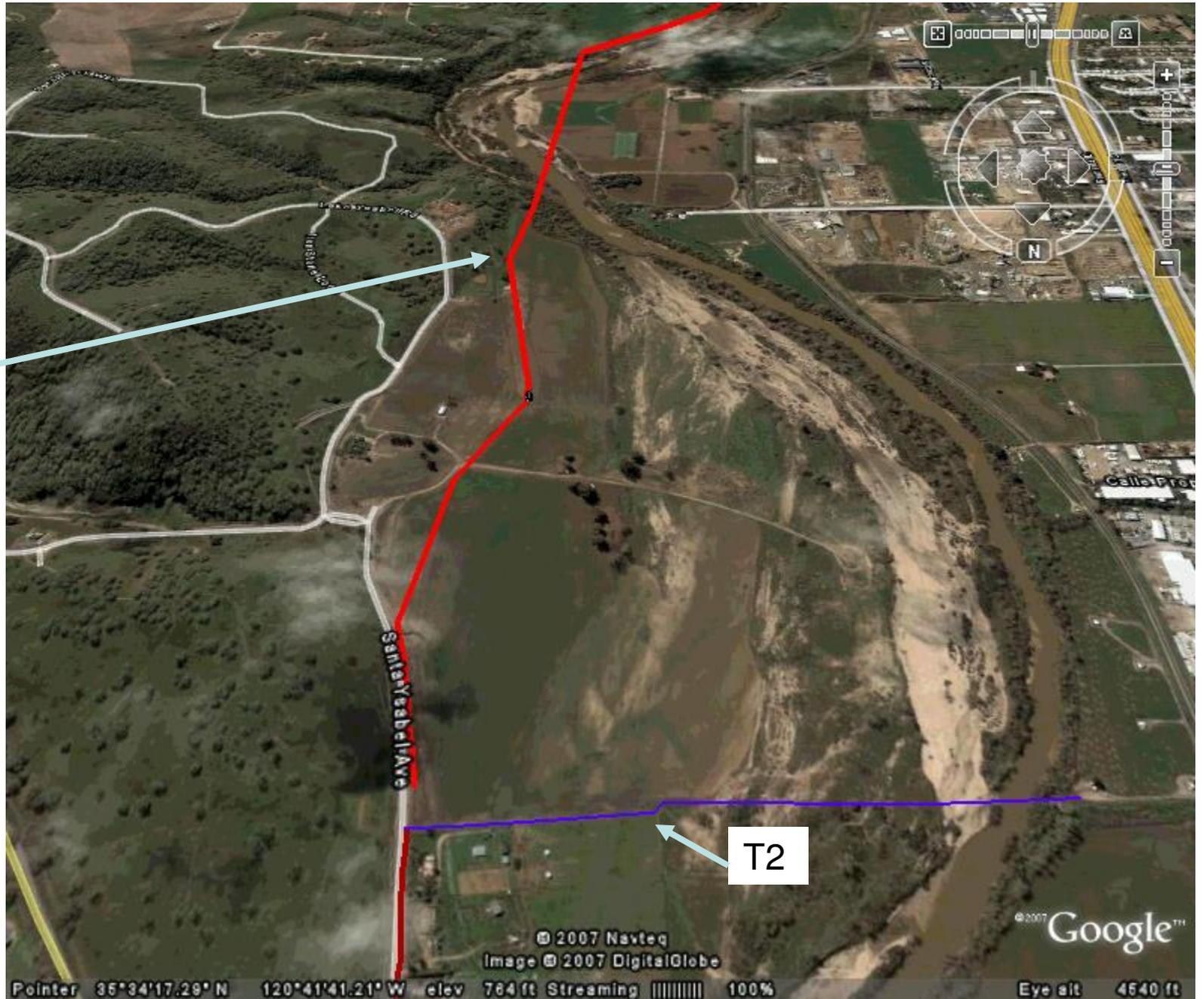
Pointer 35°33'56.35" N 120°40'36.26" W elev 830 ft Streaming 100%

© 2007 Google™

Eye alt 26448 ft



Unit B
Santa
Ysabel
Pump
Station

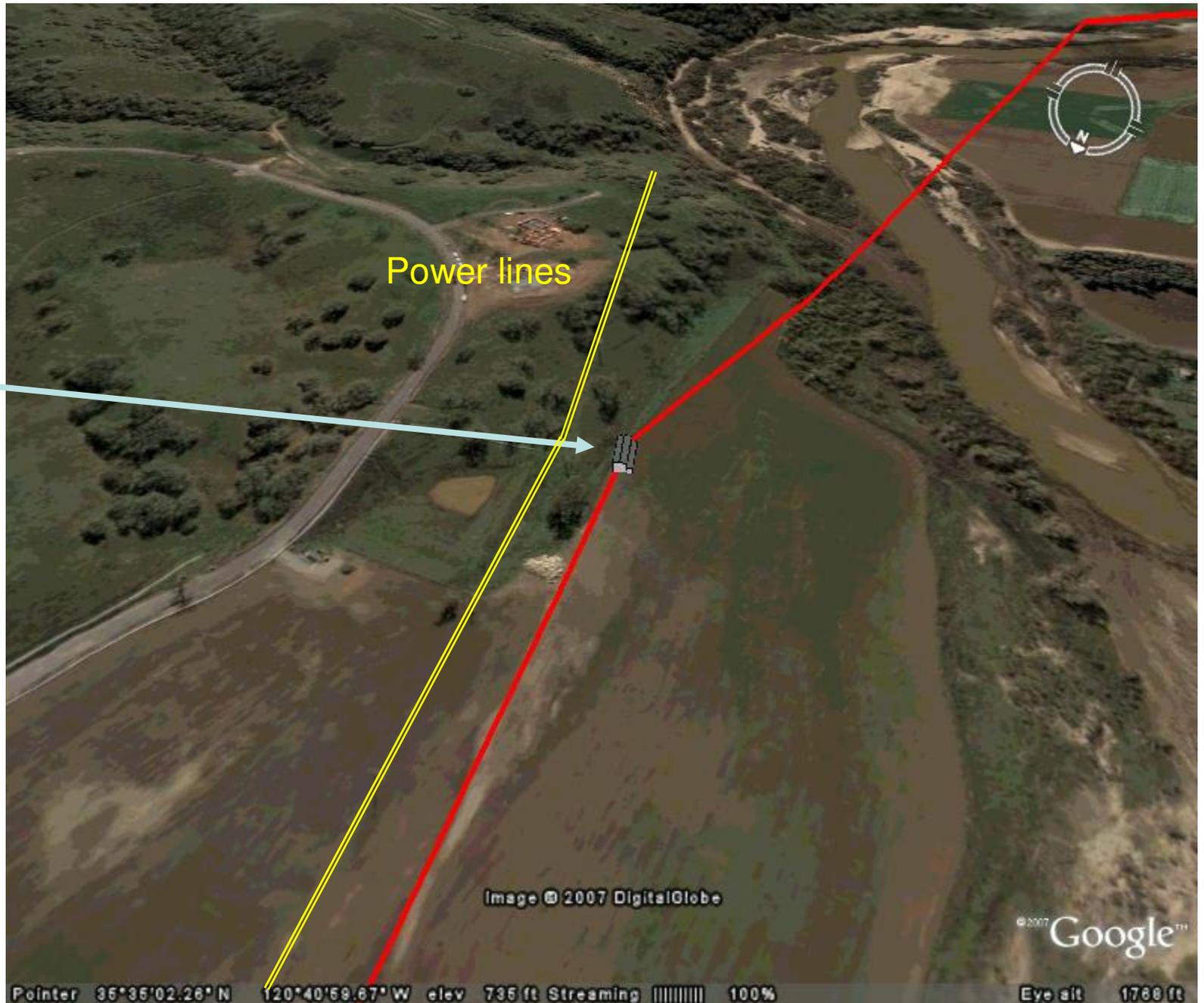




Unit B
Santa
Ysabel
Pump
Station



Power lines

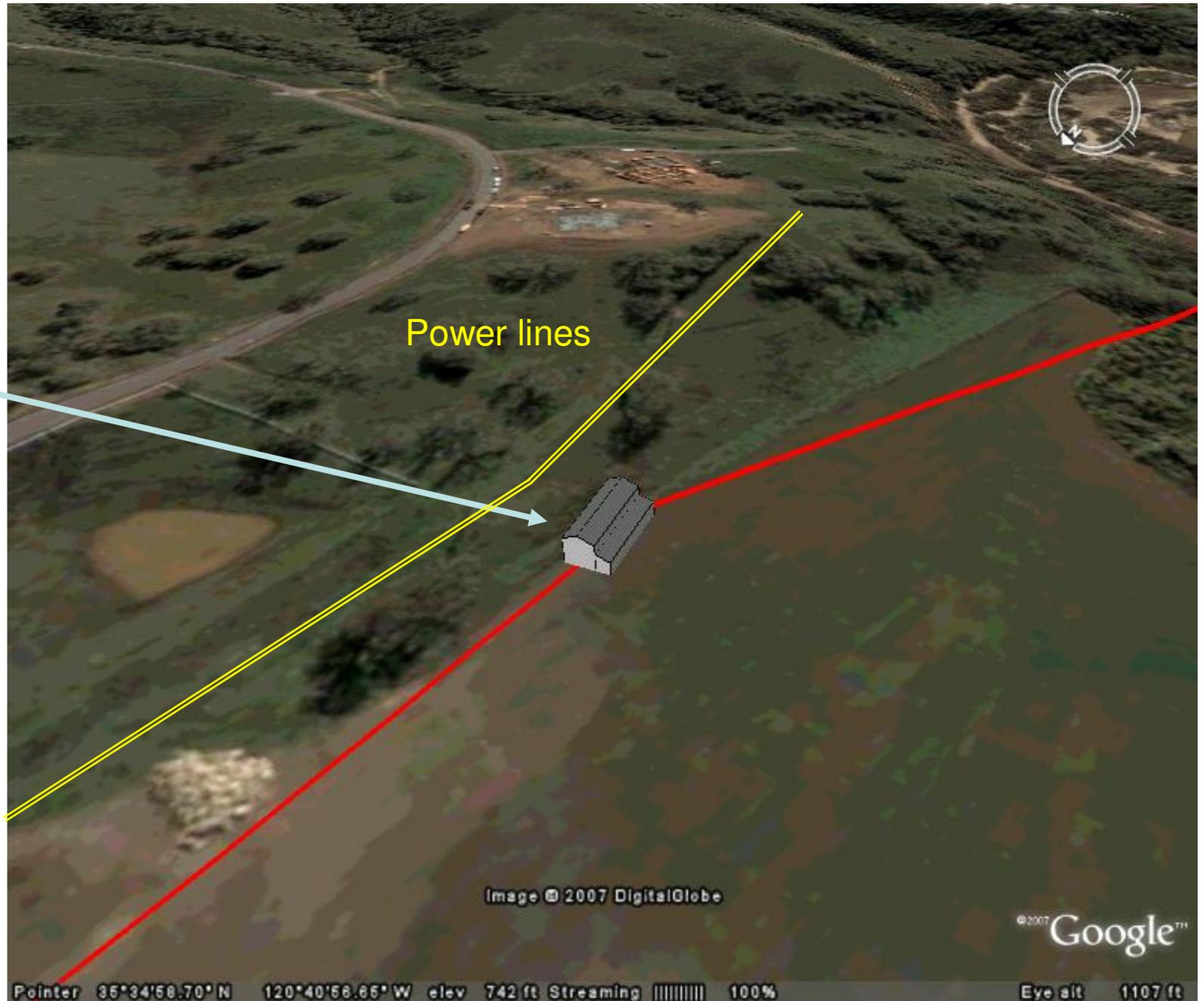




Unit B
Santa
Ysabel
Pump
Station



Power lines





Rocky Canyon Tank & Pump Station

- 850,000 gallon steel tank – 70' diameter
- Building – 50' x 40'
- Pumps – 3 – 400 hp
- Fiber optic network
- Piping and valves



Rocky
Canyon
Tank &
Pump
Station



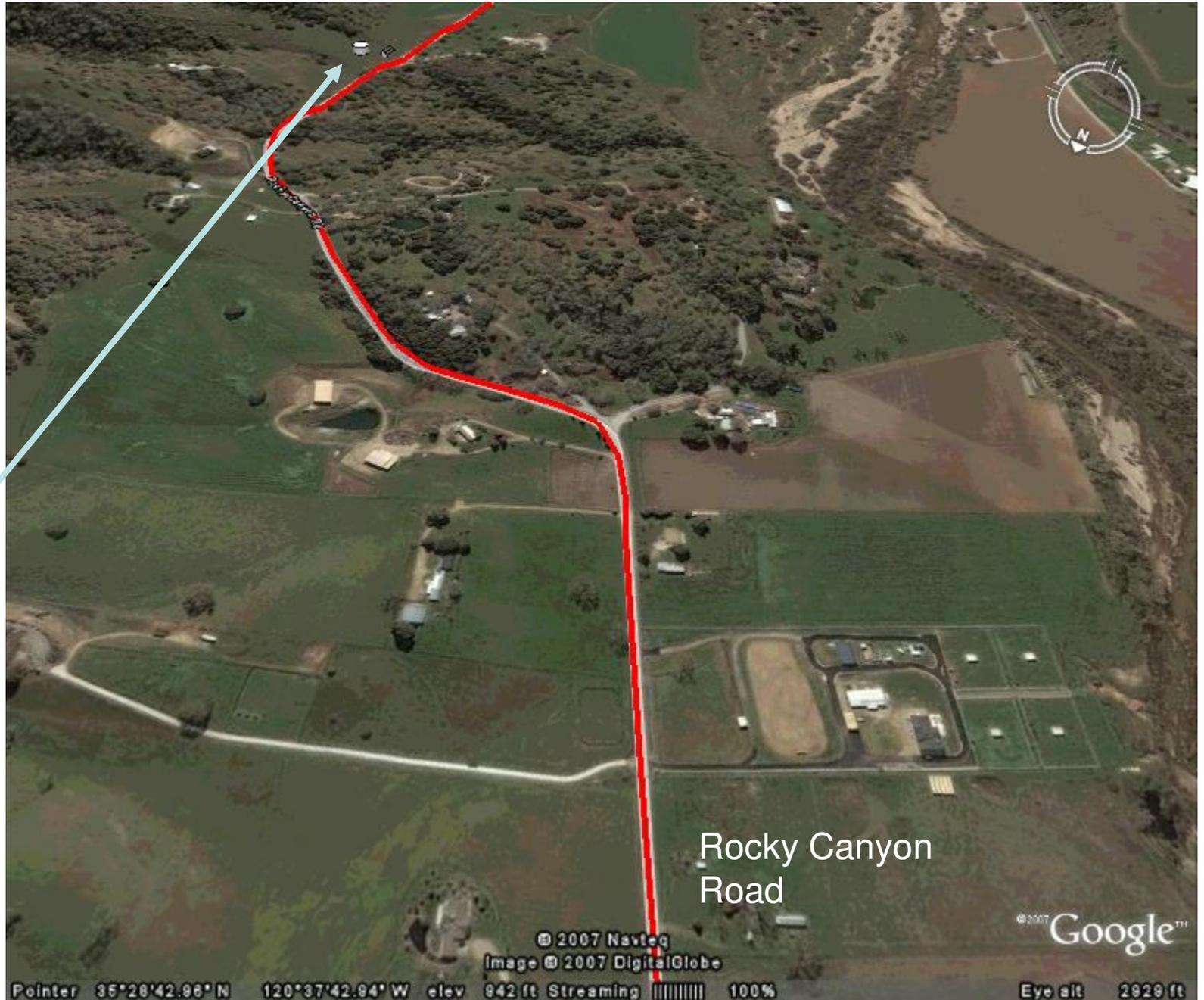
Atascadero

Image © 2007 DigitalGlobe
© 2007 Navteq
Google™
Pointer 35°29'51.42" N 120°40'47.34" W elev 998 ft Streaming ||||| 100%
Eye alt 26449 ft



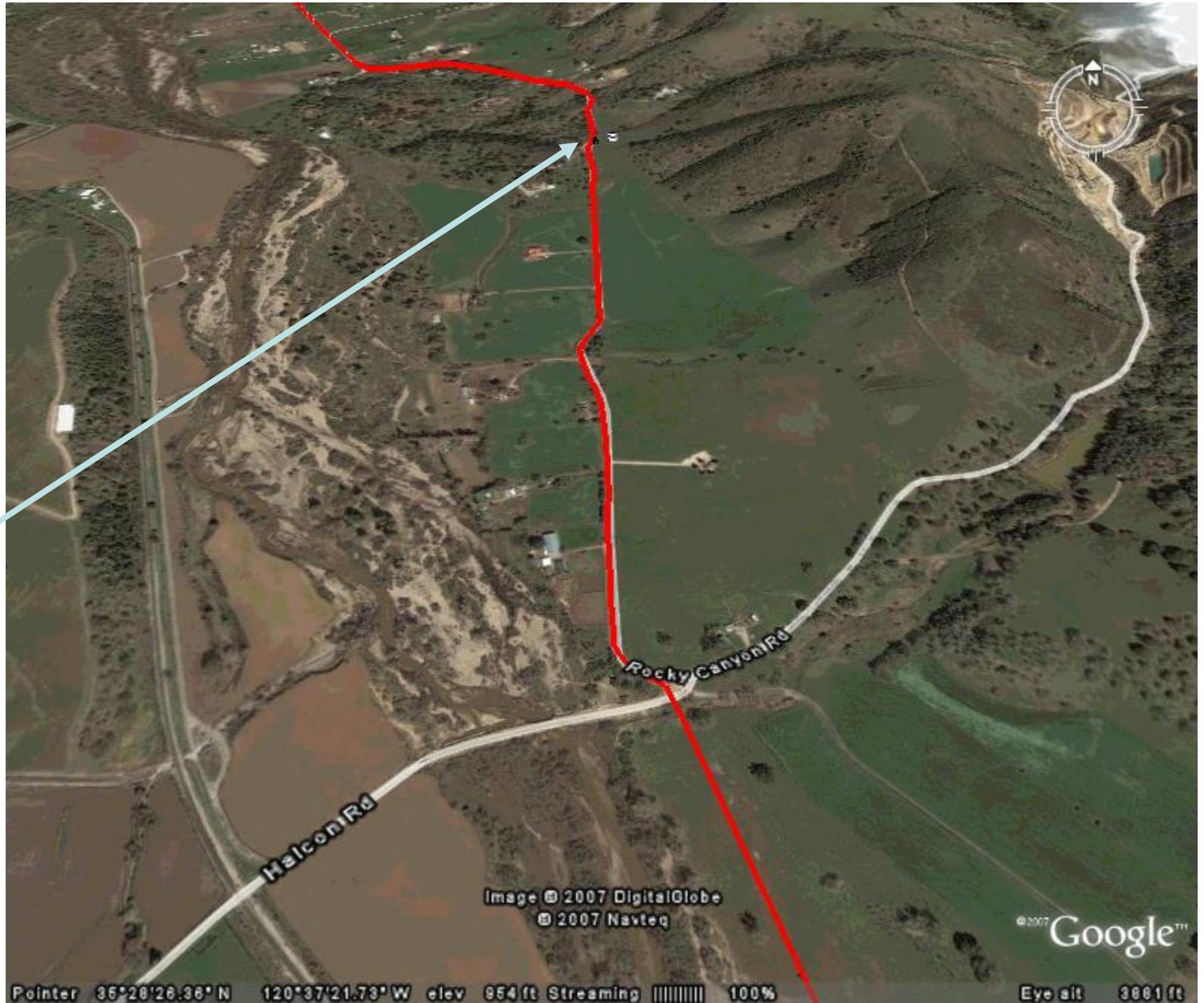
Unit F

Rocky Canyon
Tank &
Pump
Station





Rocky Canyon Tank & Pump Station





Unit F1
& F2

Rocky
Canyon
Tank
and
Pump
Station



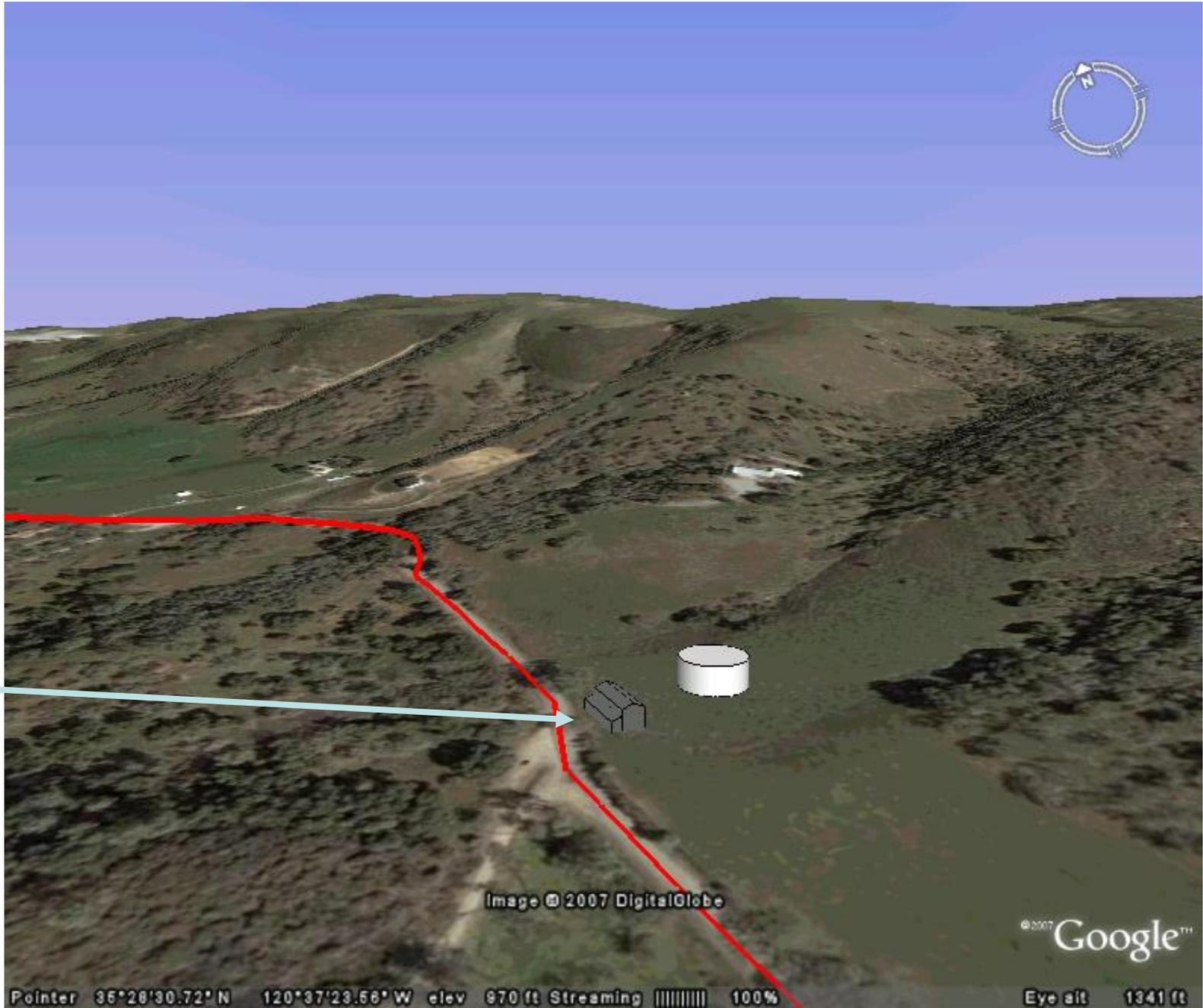


Unit F1
& F2



Rocky
Canyon
tank and
pump
station





Rocky
Canyon
Tank &
Pump
Station

Image © 2007 DigitalGlobe

© 2007 Google™

Pointer 36°28'30.72" N 120°37'23.56" W elev 970 ft Streaming ||||| 100%

Eye alt 1341 ft



Rocky
Canyon
PS &
tank site





Rocky
Canyon
Tank site





Rocky
Canyon
Tank site





Rocky
Canyon
Tank site





Rocky
Canyon
Tank site





Cuesta Tunnel Tank

- 300,000 gallon steel tank – 52' diameter
- Piping and valves
- Fiber optic network



Santa Margarita
Booster
Pump
Station



Cuesta
tank





Unit G1

Santa
Margarita
Booster
Pump
Station





Santa Margarita Booster
Pump Station

Cuesta
tank



Cuesta
tank





Unit G1

Cuesta
tank
location





Cuesta
tank



Challenging
access to
101



Image © 2007 DigitalGlobe

©2007 Google™

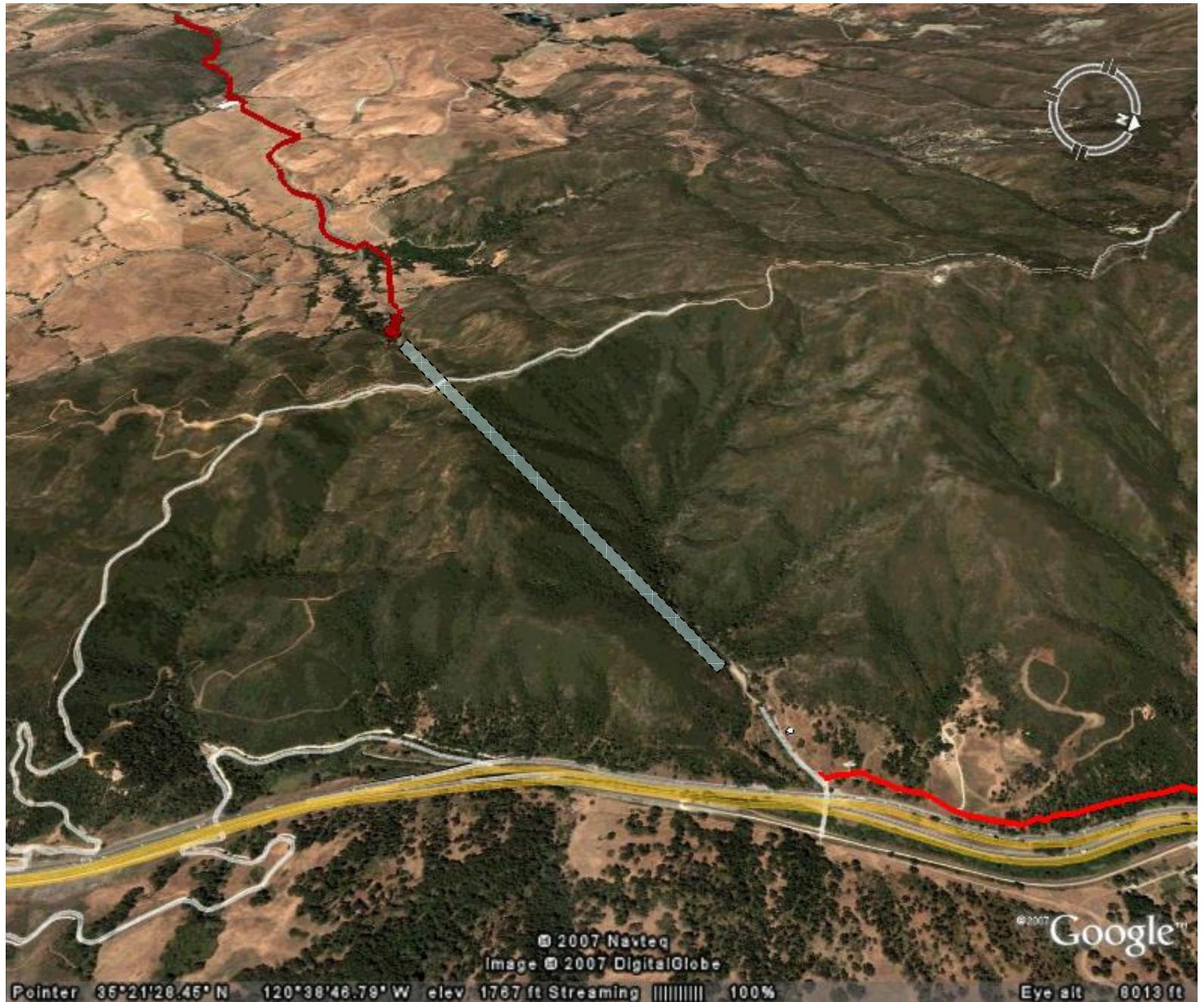
Pointer 35°21'43.11" N 120°38'26.90" W elev 1337 ft Streaming ||||| 100% Eye alt 2101 ft





Unit H

Cuesta
Tunnel



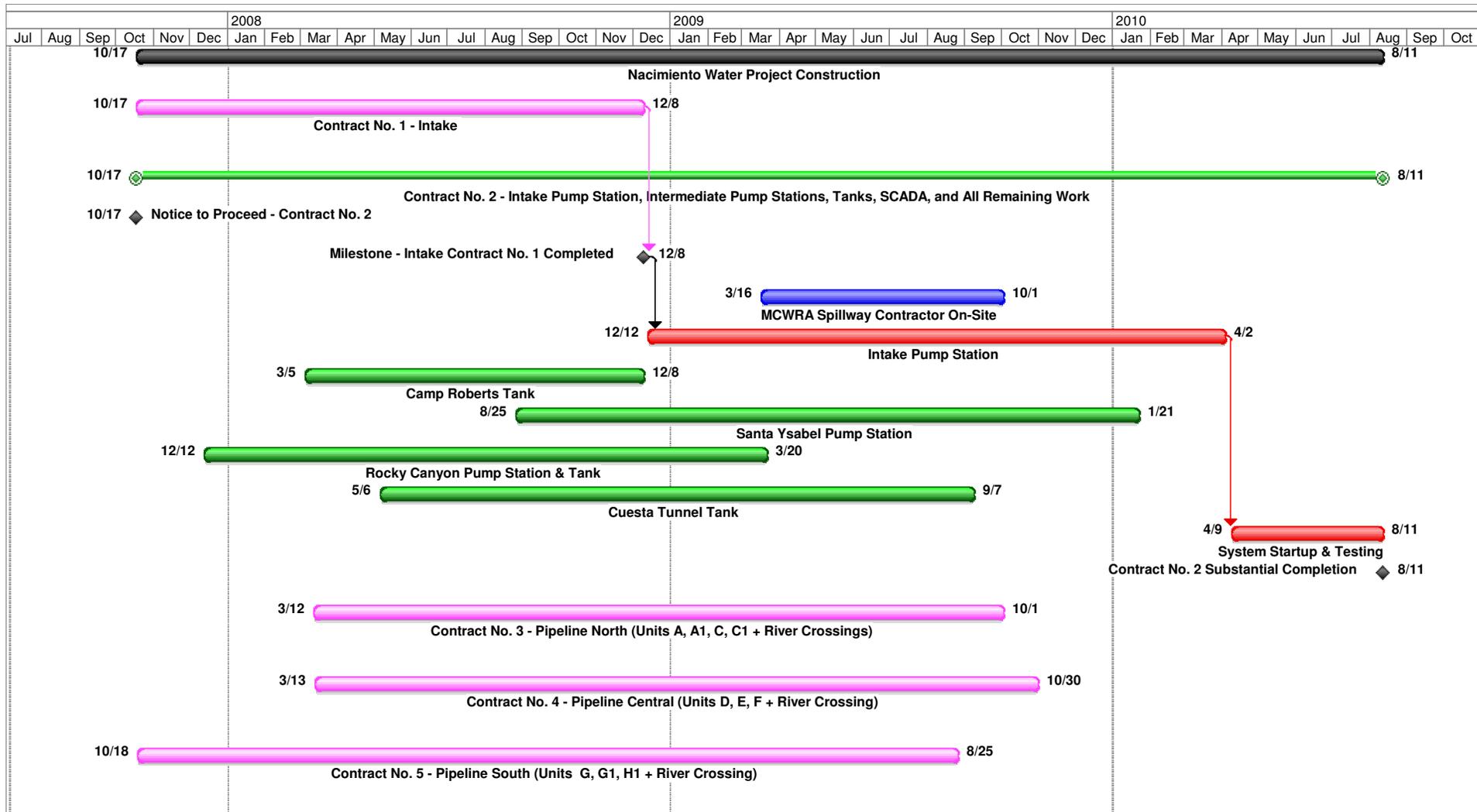


Construction & Schedule Constraints

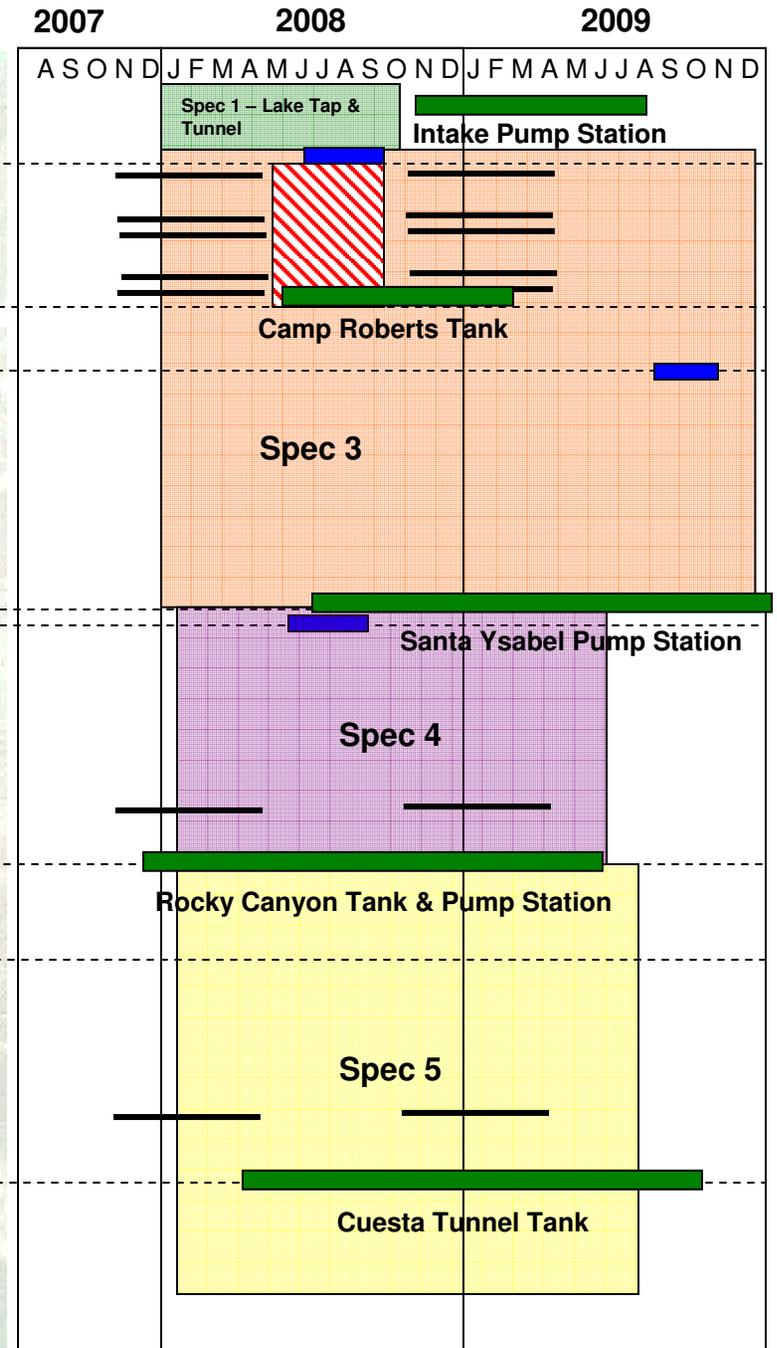
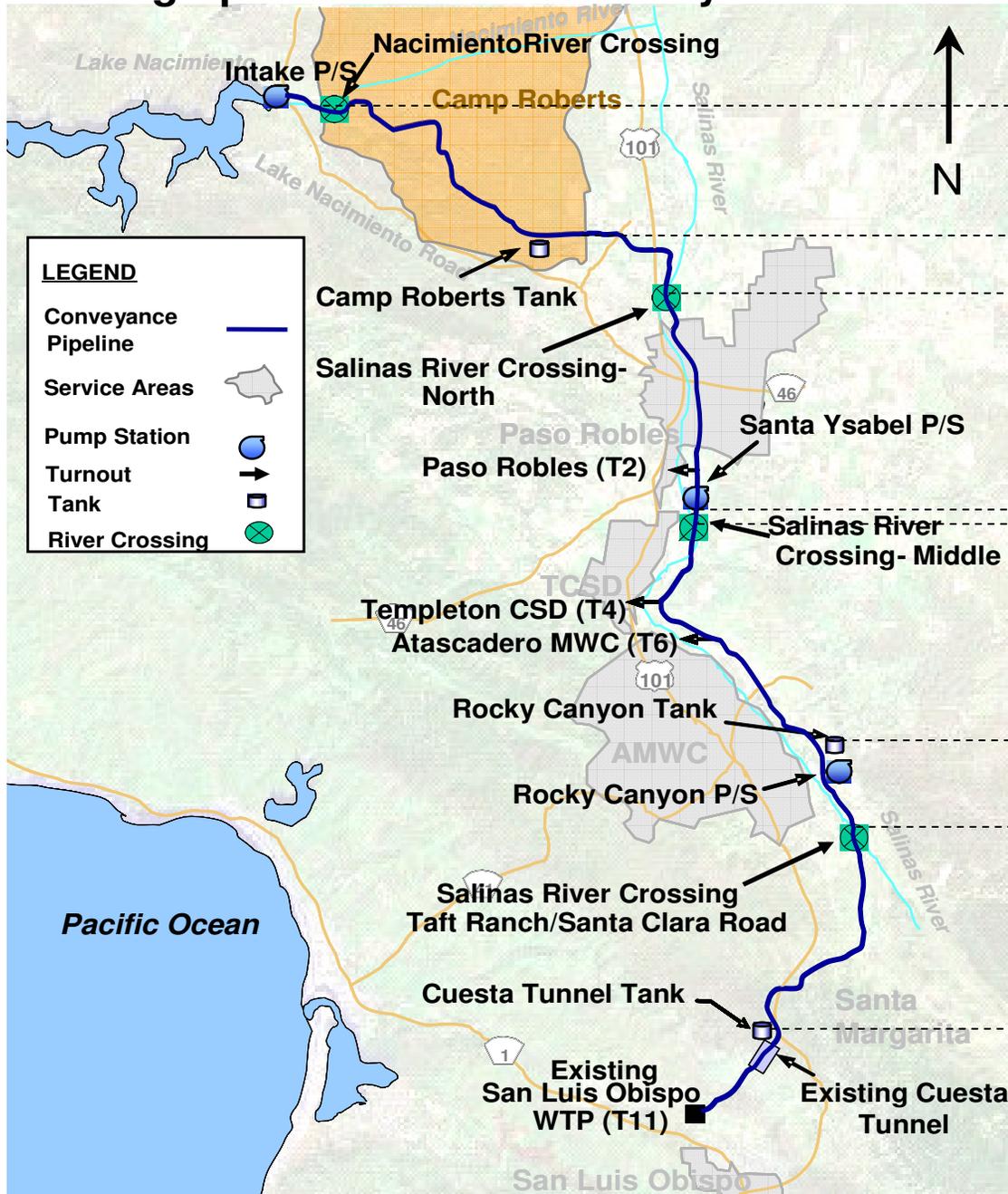
- Refer to Sections 01010 & 01311
- Summary of coordination requirements
- Schedule constraints between District contracts
- Schedule constraints with MCWRA & Camp Roberts
- Other schedule constraints and coordination are specified throughout the Contract Documents



Spec 2 - Schedule



Geographic Schedule Summary





Environmental Compliance & Monitoring

- Environmental compliance requirements
- District environmental monitors:
 - conduct pre-construction surveys to clear sensitive areas,
 - Conduct environmental compliance training as needed
 - assist in delineating environmentally sensitive areas,
 - assist contractors in staying in compliance with water quality protection requirements
- SLO County Public Works Department has environmental staff assigned to Project.



Geotechnical core samples

- Available for viewing upon request.
- Located at SLO County yard near Camp San Luis Obispo.



Bid Requirements

- Contractor qualifications
 - Bonds – “A” or better surety
 - License – Class “A”
 - Perform 50% of work
- Completed bid forms – complete and accurate
 - Subcontractor listing - > 0.5% of bid price
 - Bidder identification and proper execution
- No conditions, limitations or provisions



Questions

www.slocounty.ca.gov/PW/NacWP.htm