



# Anderson Dam Seismic Retrofit Project Update

Morgan Hill Public Meeting | June 4, 2018

# Agenda

- ▶ **Project Status**
- ▶ **Project Components**
- ▶ **Project Schedule**
- ▶ **Q&A**

# Project Status

- ▶ **60% Design submitted**
- ▶ **60% Construction Sequencing – June 2018**
- ▶ **Preparation of EIR underway**
- ▶ **On-going geotechnical investigations to support the design (March – September 2018)**
- ▶ **Test Fill Program complete**
- ▶ **Cultural Subsurface Investigation (Summer 2018)**

# Anderson Dam Existing Configuration

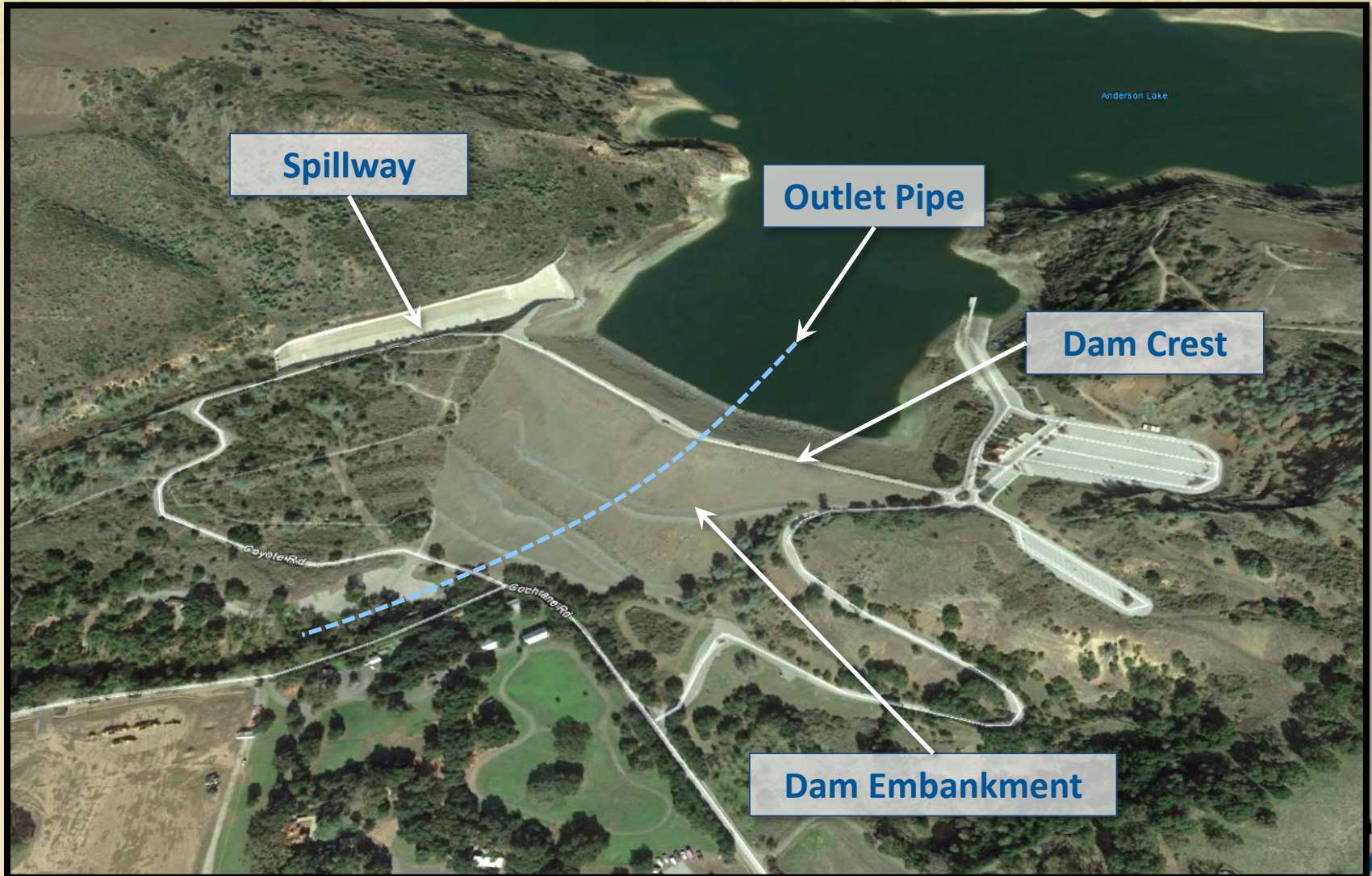
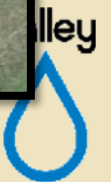
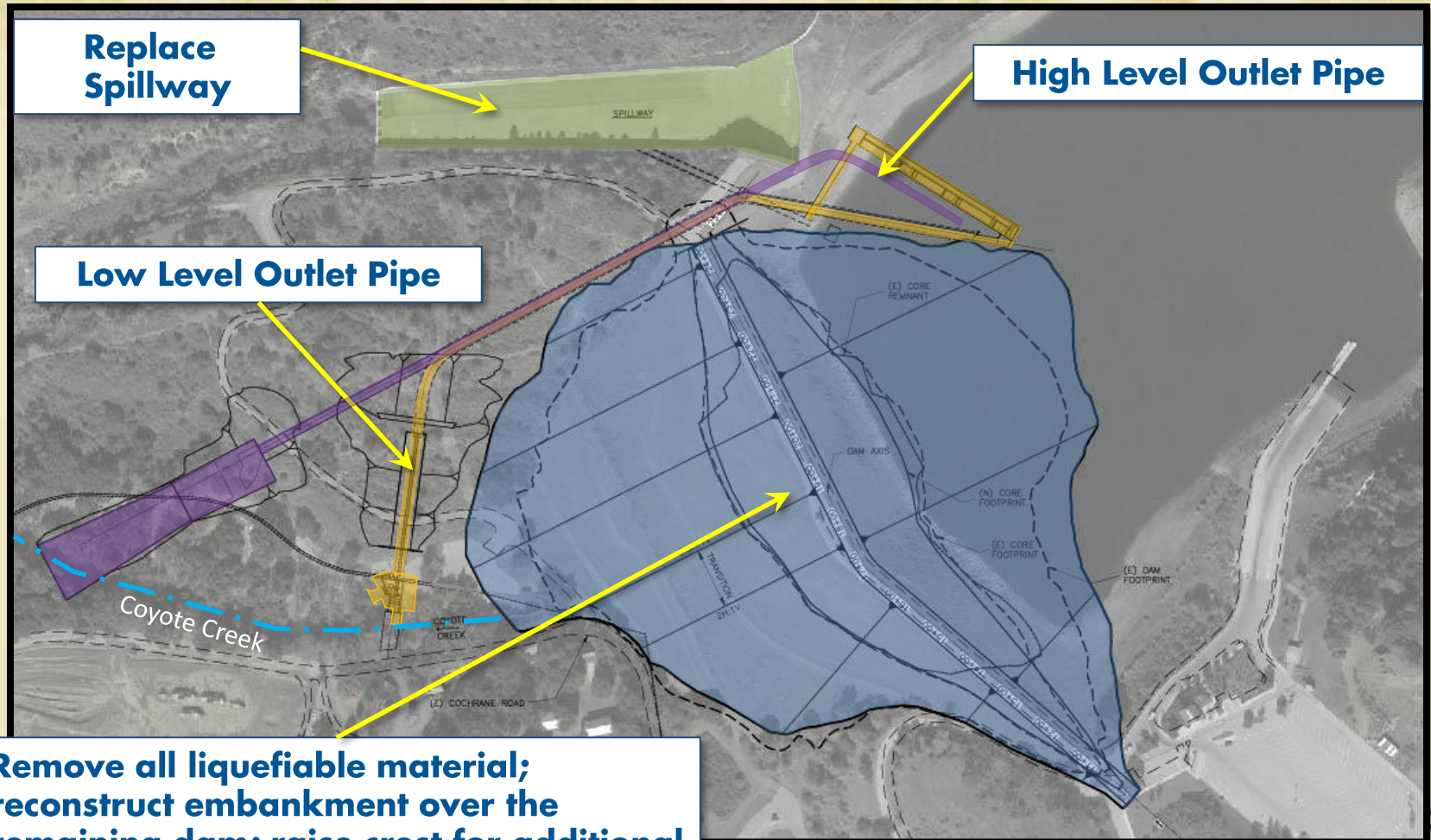


Image Source: Google Earth

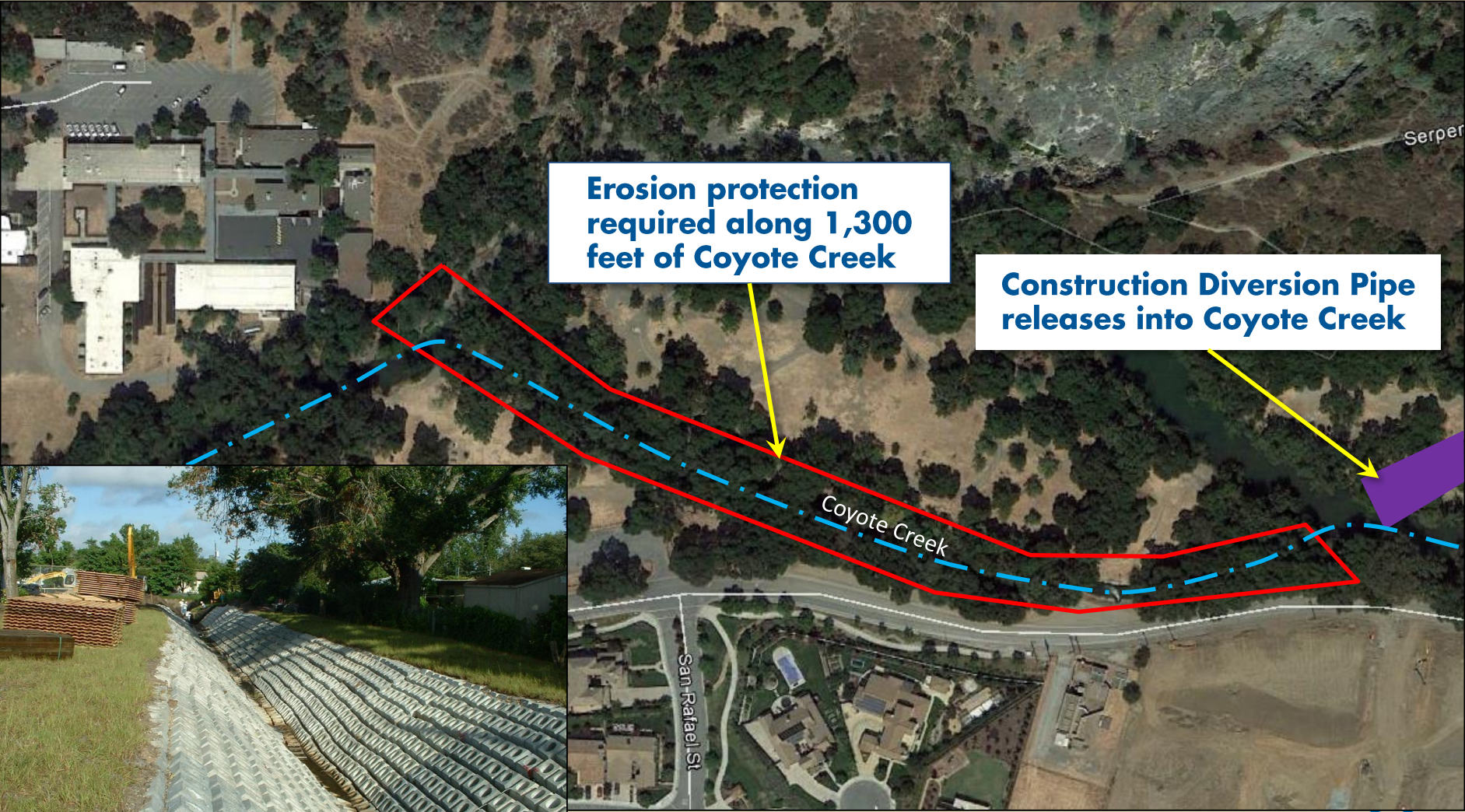


# Project Components



**Remove all liquefiable material;  
reconstruct embankment over the  
remaining dam; raise crest for additional  
freeboard**

# Coyote Creek Modifications – Erosion Protection

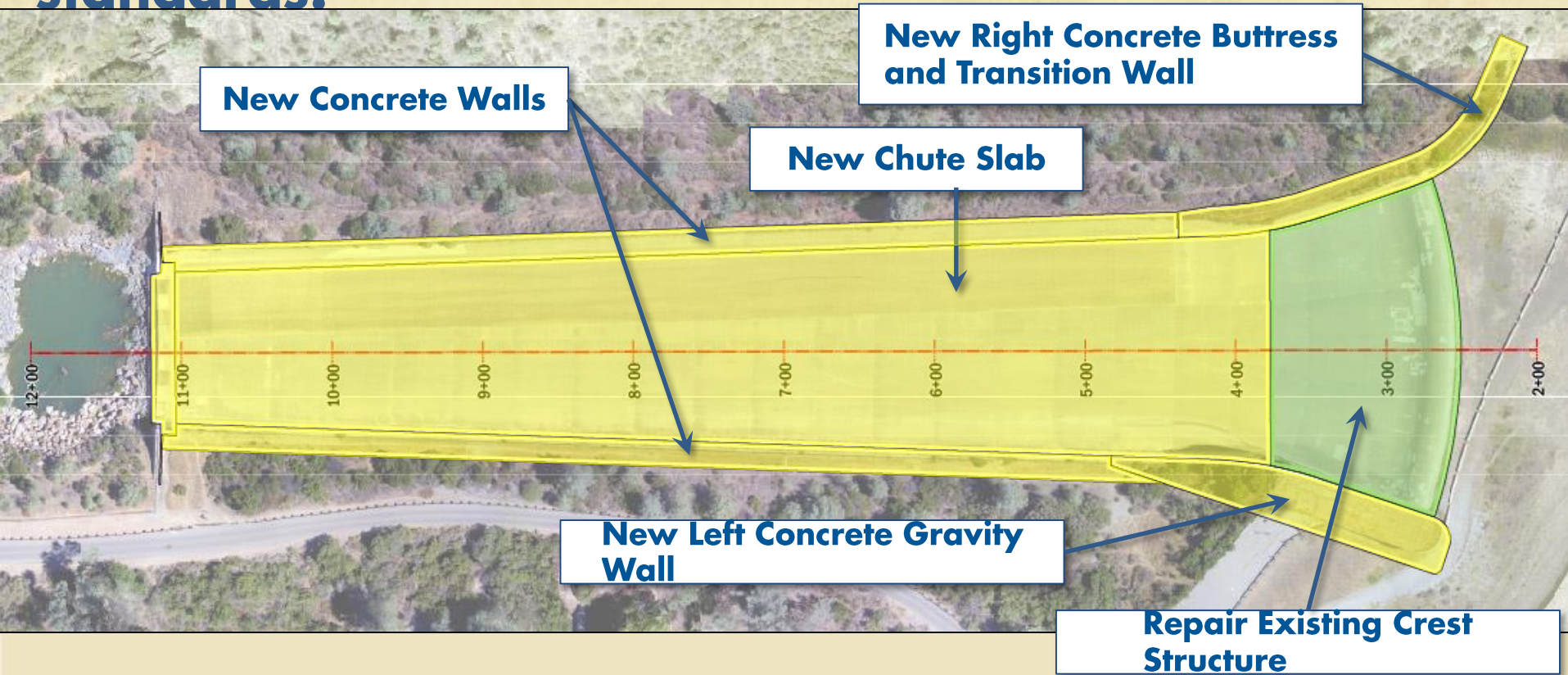


# Post-Oroville DSOD/FERC Requirement

- ▶ **DSOD and FERC mandated a detailed condition assessment of the Anderson Dam spillway**
- ▶ **Spillway condition assessment was completed in October 2017**
- ▶ **Results indicate the spillway is performing well; however, it does not meet current design standards and has a potential for an Oroville-type failure**

# Spillway Replacement

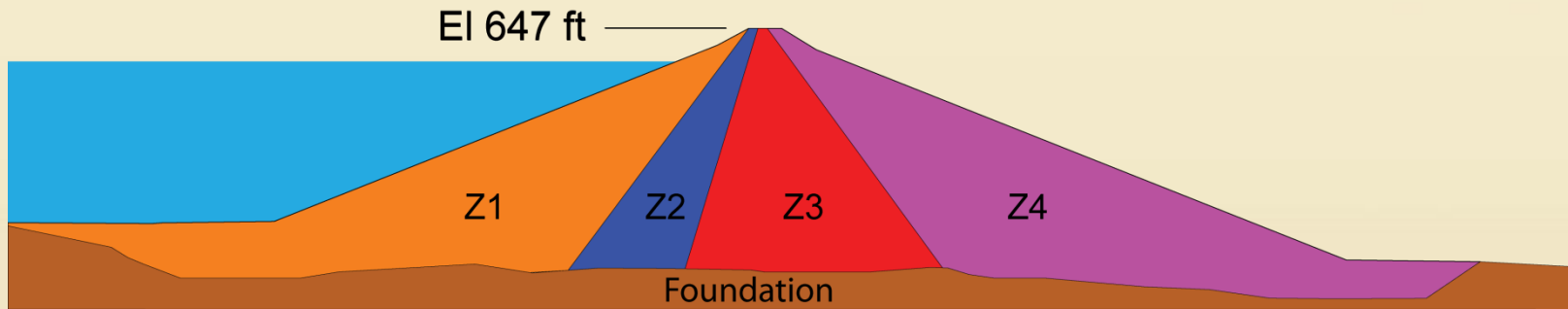
Spillway replacement to meet current design standards:





# Embankment Construction Sequence

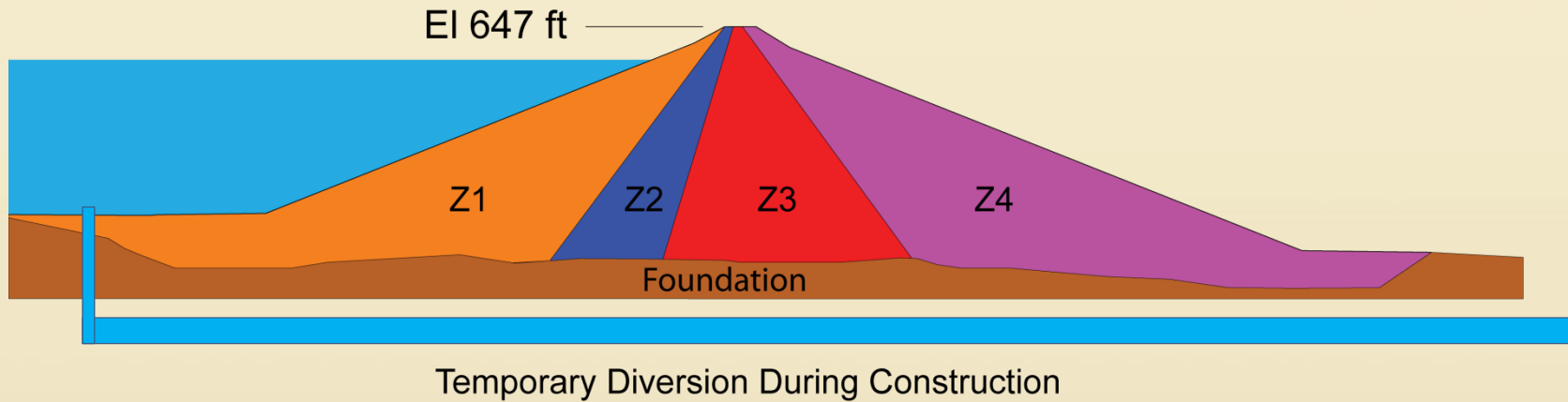
## Existing Dam



# Embankment Construction Sequence

## Year 1 and 2

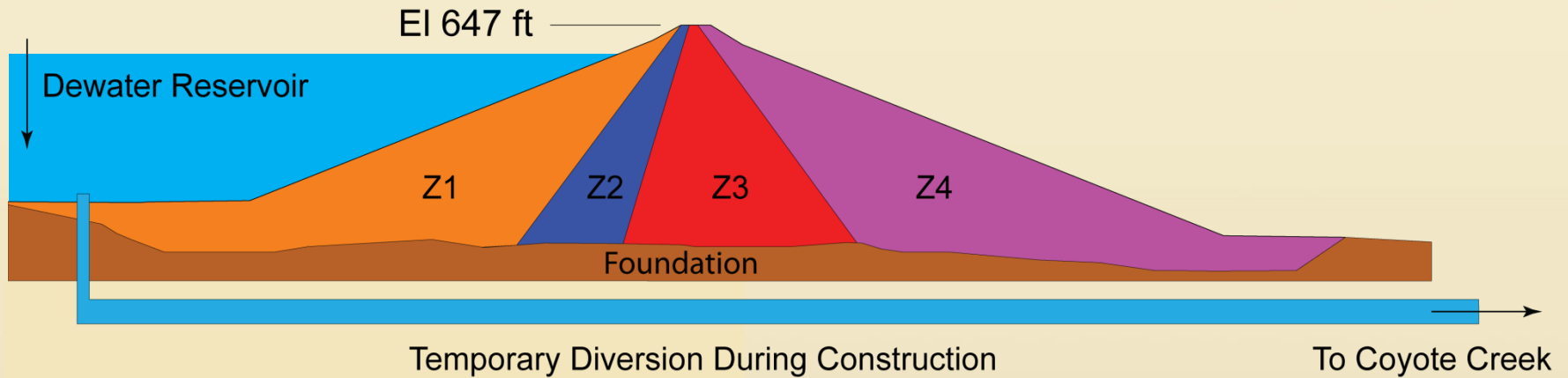
### Existing Dam Dewatering



# Embankment Construction Sequence

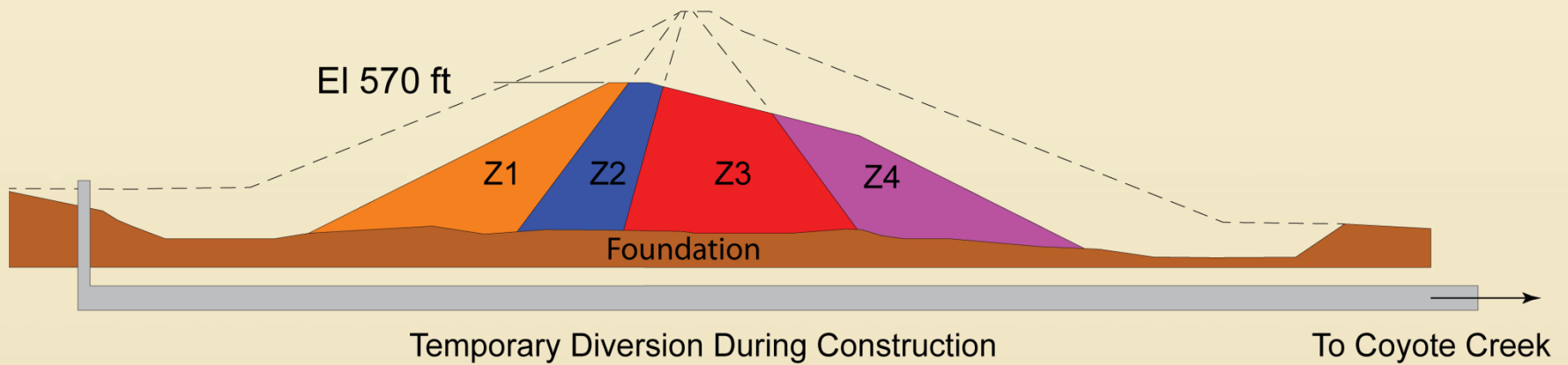
## Year 1 and 2

### Existing Dam Dewatering



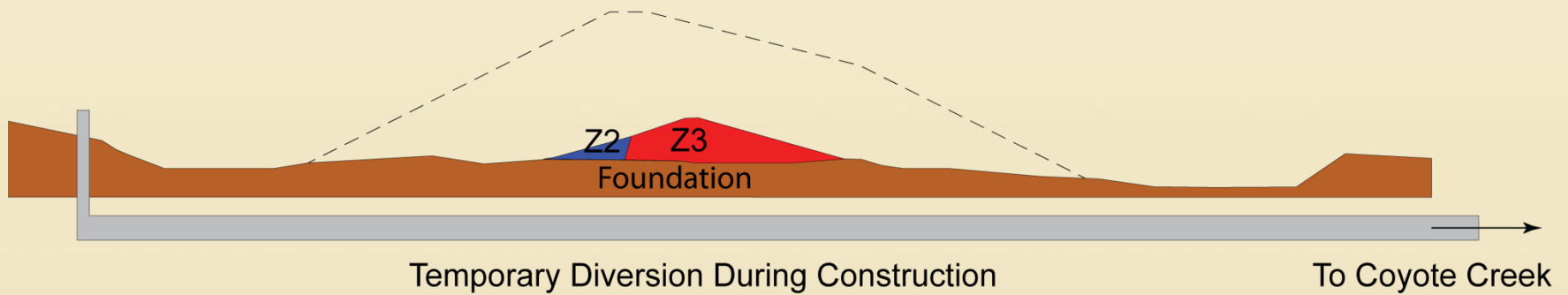
# Embankment Construction Sequence

**Year 3**  
**April - October**  
**Stage 1 Excavation**



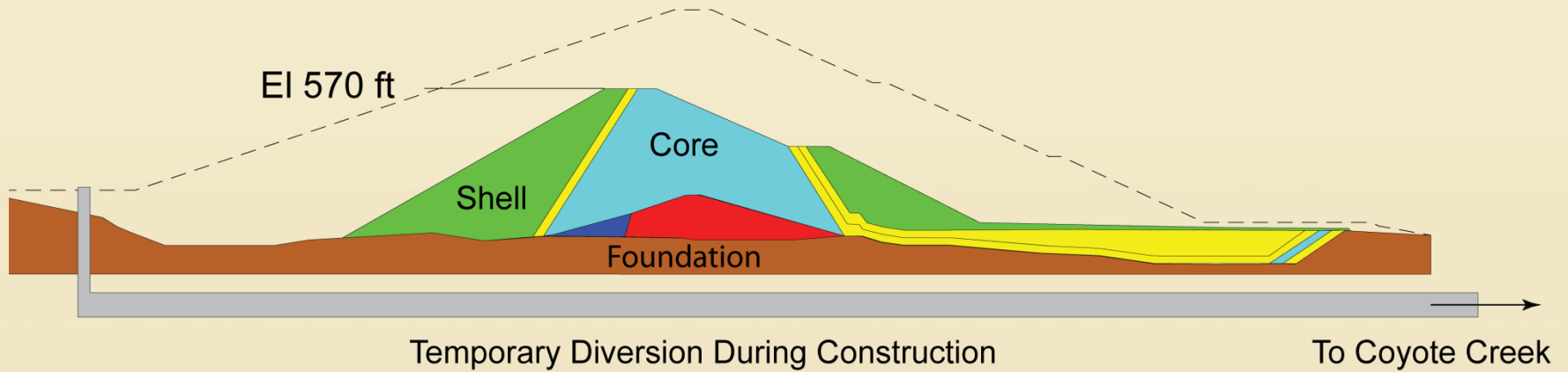
# Embankment Construction Sequence

Year 4  
April - June  
Stage 2 Excavation



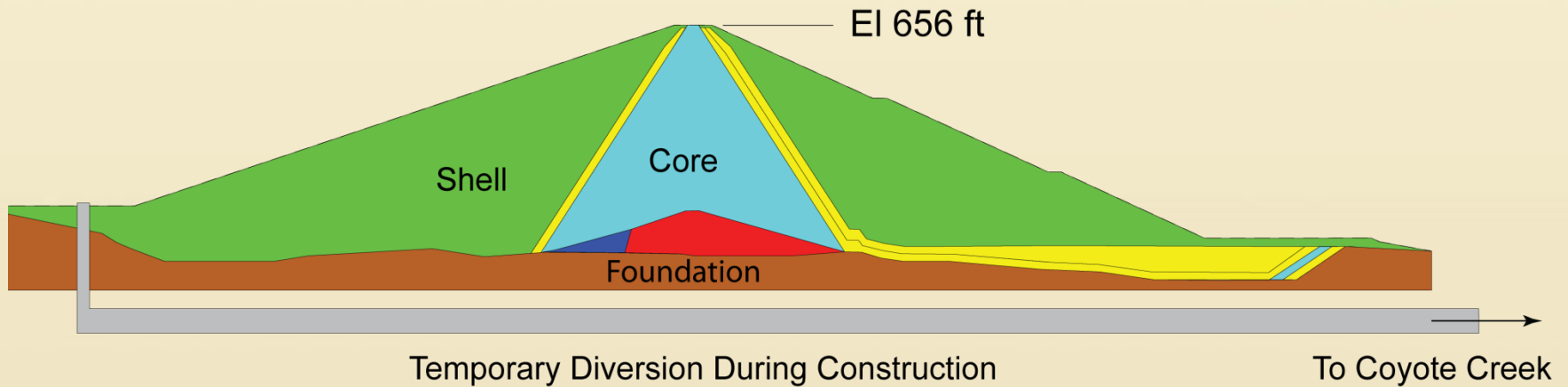
# Embankment Construction Sequence

**Year 4**  
**July - October**  
**Stage 2 Fill**



# Embankment Construction Sequence

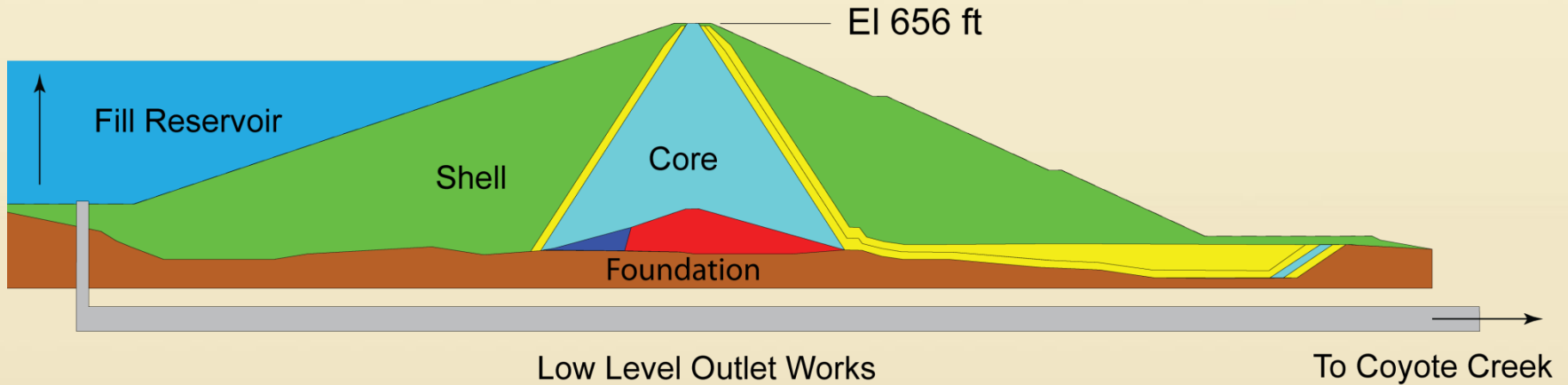
**Year 5**  
**April - October**  
**Stage 3 Fill**



# Embankment Construction Sequence

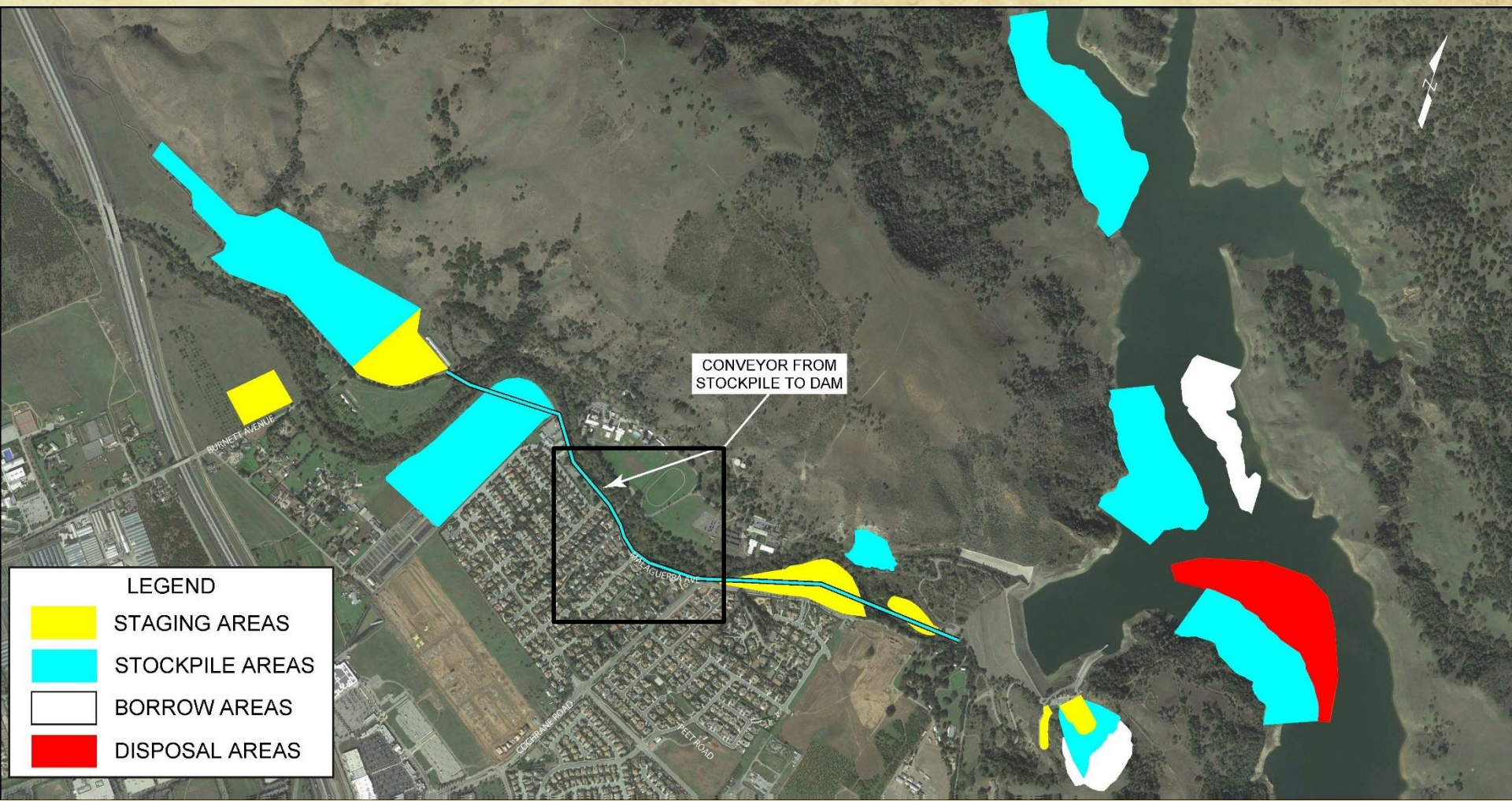
Year 5 →

Final Configuration

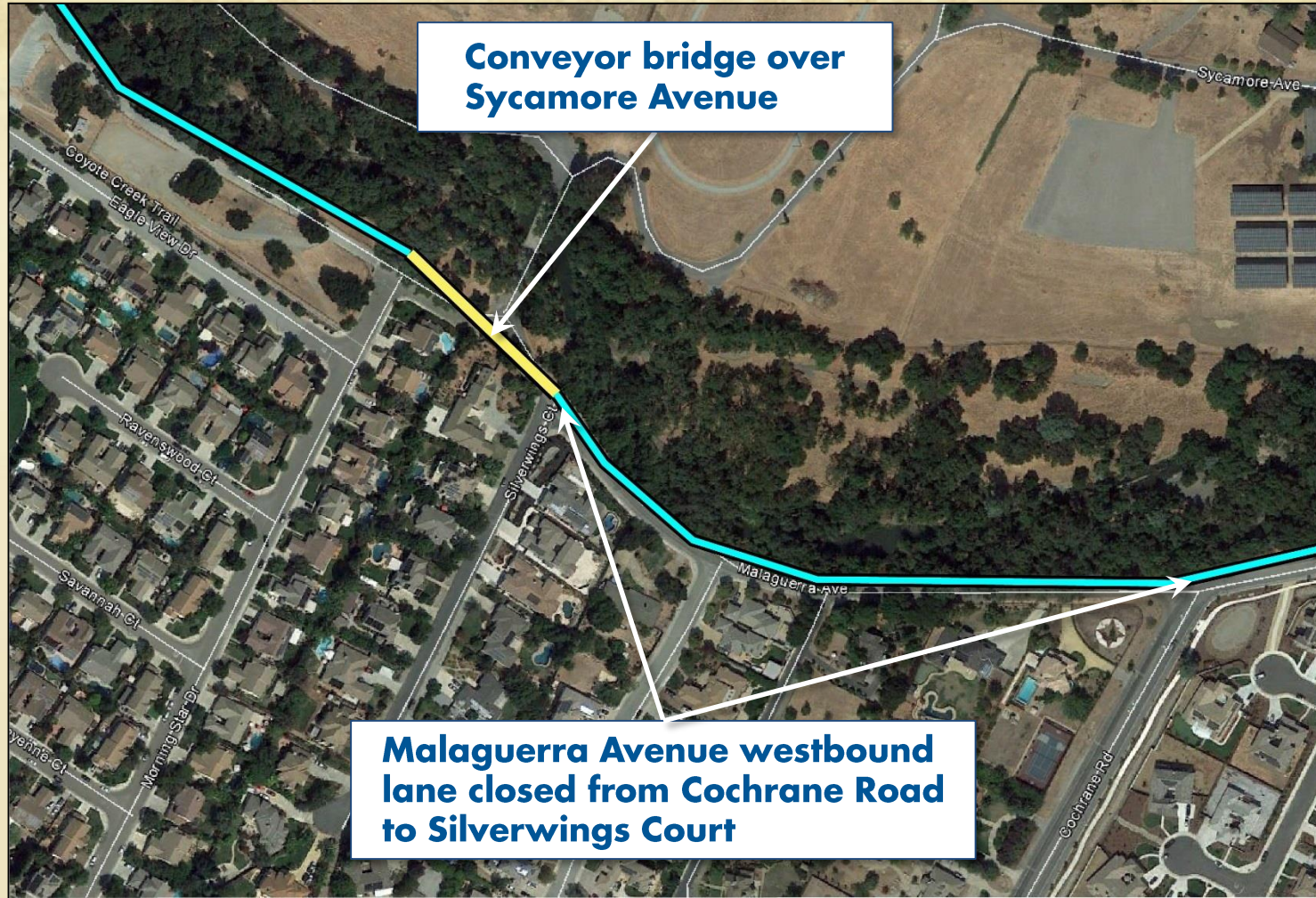




# Staging, Temporary Stockpile, Borrow, and Disposal Areas



# Conveyor Impacts to Malaguerra Avenue



# Typical Conveyor



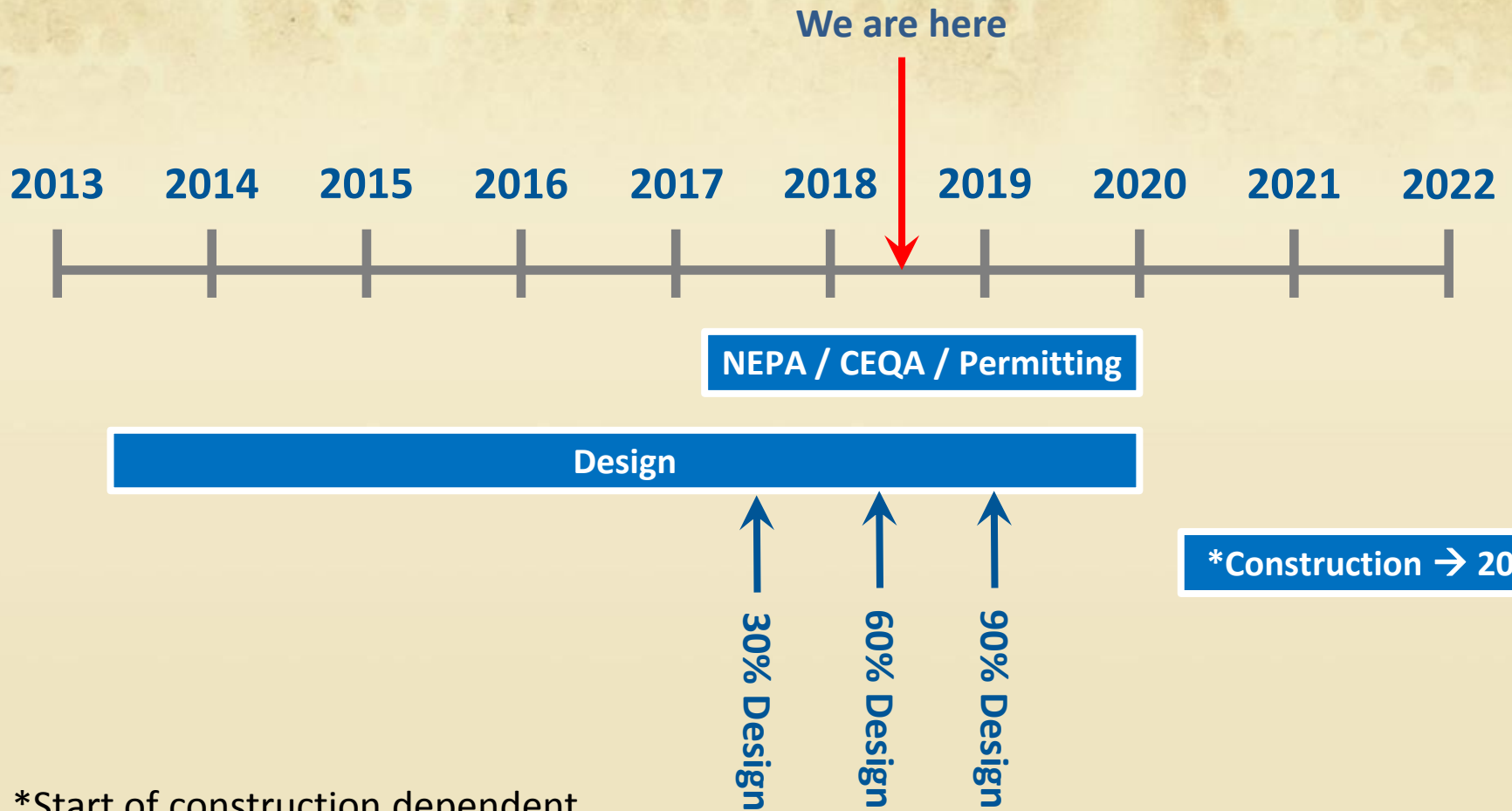
# Cochrane Road Closure During Construction



# Post-Construction Roads and Parking



# Project Schedule



\*Start of construction dependent on permit acquisition.



# Environmental Impact Report Schedule

## CEQA process

Draft Environmental Impact Report (EIR)

September 2018

Response to comments and EIR revisions

Final EIR

Spring 2019

District Board considers certifying EIR and approving Project

## Public involvement

EIR comment period – 45 days for public comment

Public comment meeting

October 2018

# Stay Informed

<https://www.valleywater.org/project-updates/dam-reservoir-projects/anderson-dam-seismic-retrofit>

- ▶ Sign up to receive project updates via email.
- ▶ View project reports, maps, history and other information.

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# Question and answers

