



# Anderson Dam Seismic Retrofit Project Update

# Anderson Dam Seismic Retrofit Project

## Background

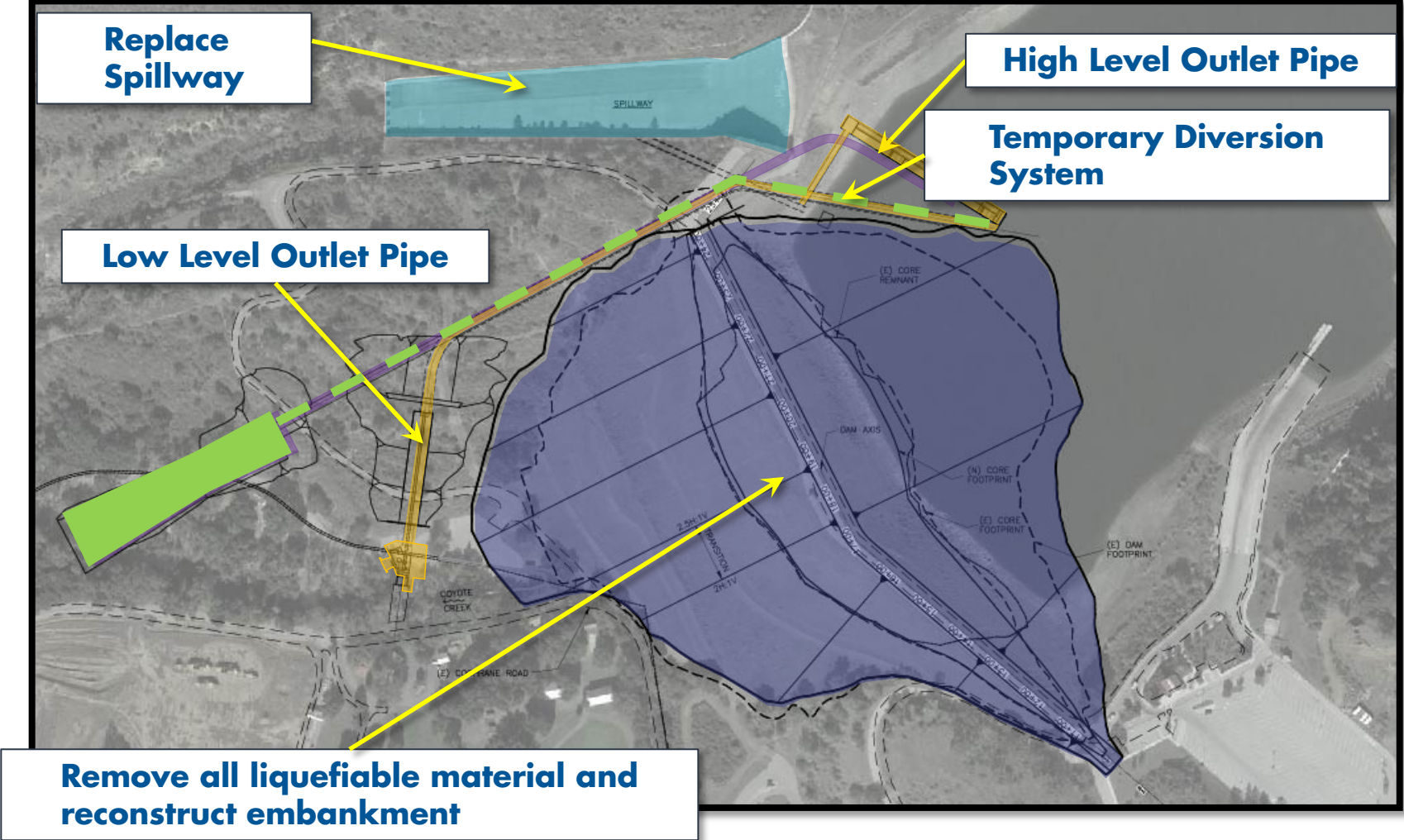
- Anderson Dam forms Anderson Reservoir, holding 90,000 acre feet of water when full and the largest of Valley Water's reservoirs.
- In 2012, following a seismic stability analysis, Valley Water began plans to retrofit the dam to meet current safety standards, creating the Anderson Dam Seismic Retrofit Project (ADSRP)
- On February 20, 2020, the Federal Energy Regulatory Commission (FERC) issued an order to Valley Water to undertake early implementation interim risk reduction measures associated with ADSRP immediately.

# Anderson Dam Existing Components





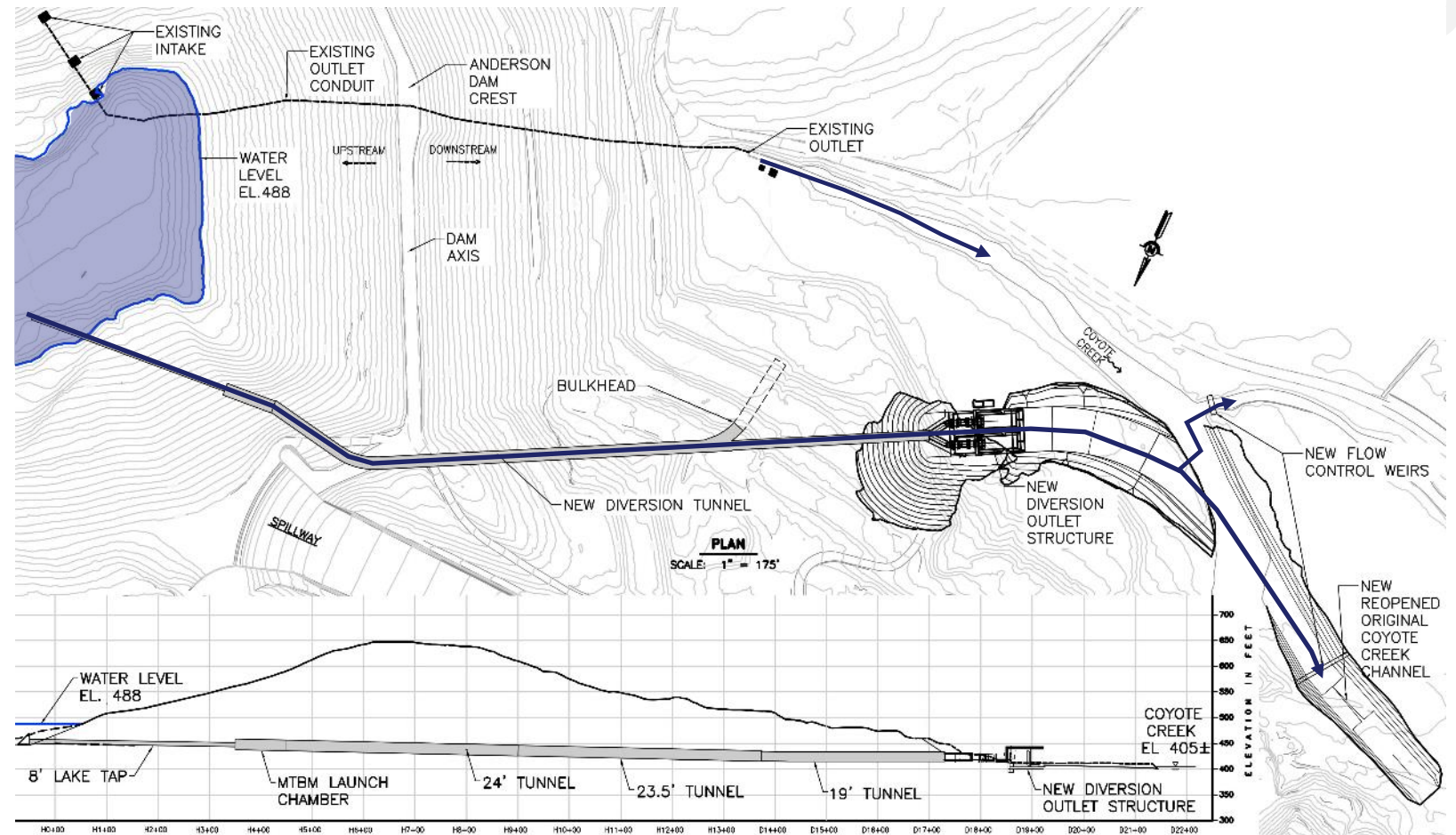
# Anderson Dam Seismic Retrofit Project Components



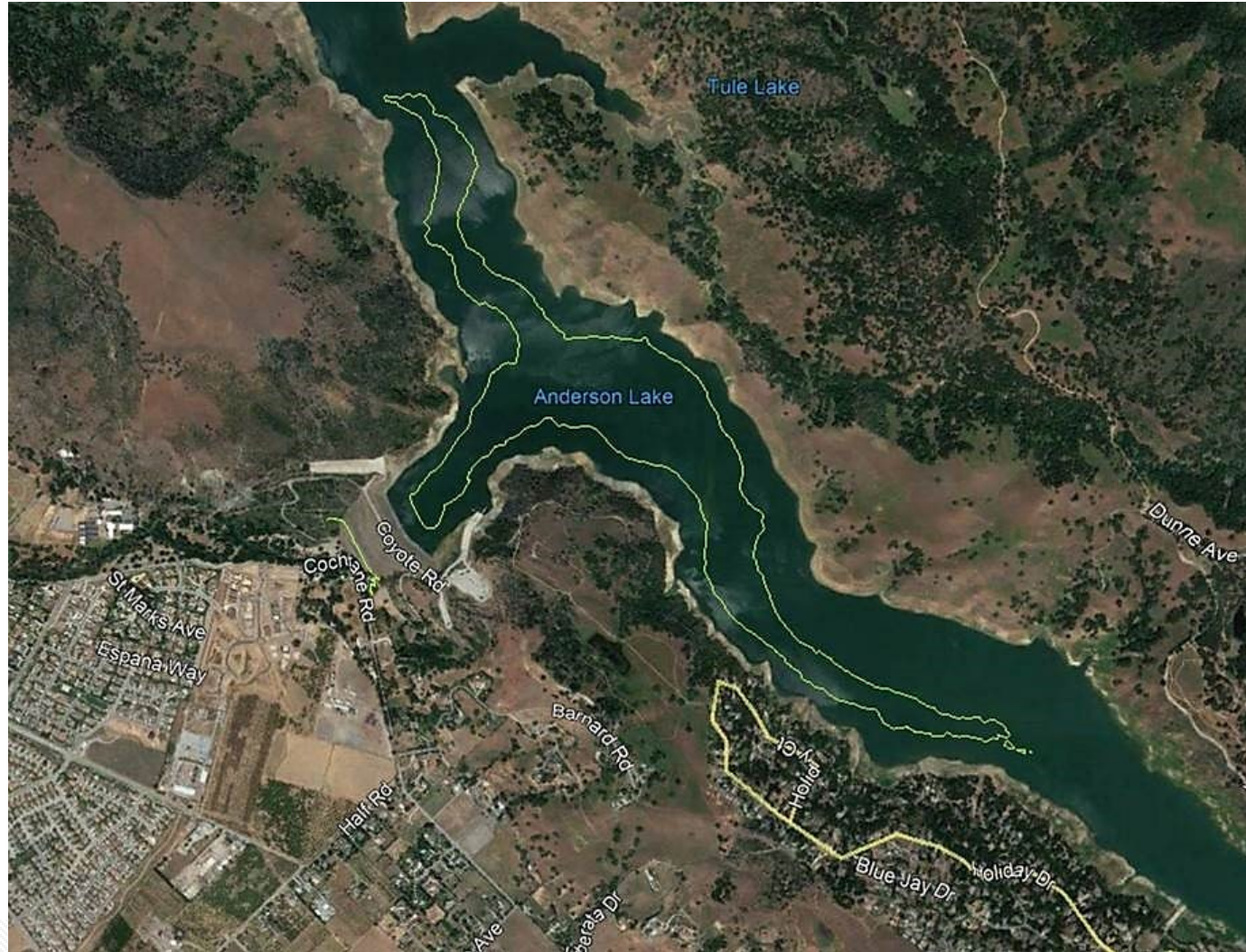


# Feb. 20, 2020 FERC Directive: Interim Risk Reduction Measures

- 1) Lower reservoir to new restriction (El. 565') – **In Compliance**
- 2) Take all necessary measures to safely prepare and drain the reservoir to El. 488' – **Complete**
- 3) Oct. 1 - Begin draining reservoir to El. 488' (3% Capacity) - **Complete**
- 4) Develop plan to maintain El. 488' - **Complete**
- 5) Expedite design and construction of new Outlet Tunnel – **In Process**
- 6) Secure permits and complete design of larger Seismic Retrofit Project - **Pending**



# Anderson Reservoir at 3% Capacity - Map



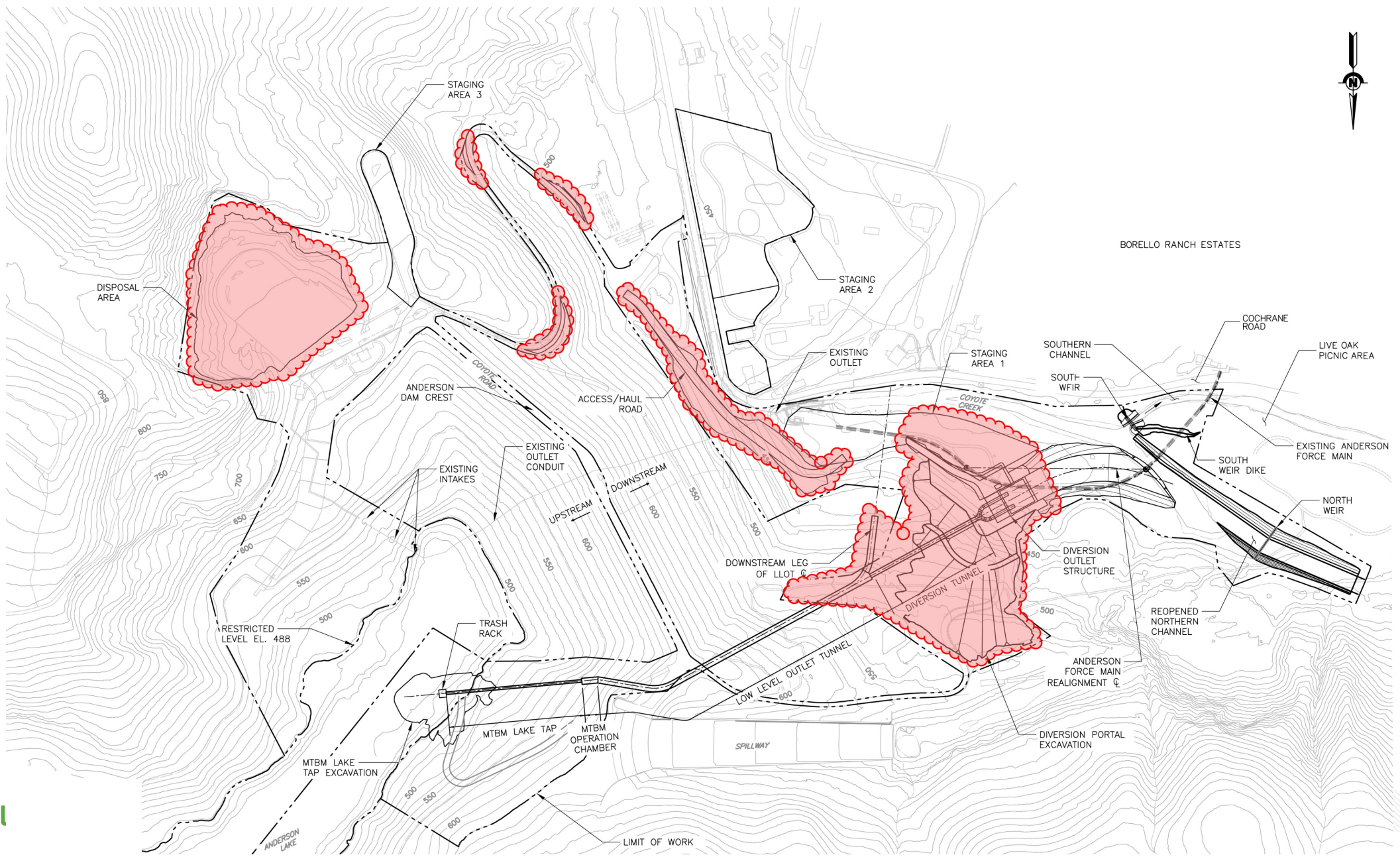


# Typical Equipment





# Vegetation Removal in High Priority Areas





# Tree Removal





# Anderson Park Closures

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To keep the public safe during construction, Valley Water is closing many recreation areas around Anderson Dam and Reservoir for several years, until the retrofit is complete. Starting Oct. 1, the following recreation areas will be closed:

- Toyon Group Picnic and Parking Areas; Serpentine Trail; Dam Crest
- Woodchoppers Flat
- Anderson Lake Park's boating and fishing, boat and vehicle parking areas, and boat ramp; Coyote Road from the toe of the dam to the boat and vehicle parking areas; and Lakeview Trail is closed from the Anderson Launch Ramp parking lot trailhead to the westernmost junction with the Rancho Laguna Seca Trail.
- Fishing will be closed for the entire reservoir shoreline



# Anderson Park Closures during FOCBP / ADSRP

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# Boating Limitations

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# Potential Neighborhood Impacts

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- Potential impacts include:
  - Increased flows in Coyote Creek, downstream of the dam, after storm events
  - Noise from construction equipment running (large diesel engines), backup alarms, chain saws, and vegetation chipping
  - Work activities will mainly be Monday through Friday during the daytime, but some Saturdays may be required
  - Smells caused by elevated levels of algae in the summer. Algal blooms can deplete oxygen levels in the water and produce hydrogen sulfide (rotten egg taste and odor)



# Project Schedule

Calendar year

2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031

WE ARE HERE

Anderson Dam Tunnel Project

← 2013 Design

Construction

Drained to El 488

Anderson Seismic Retrofit Project

← 2013 Design

Environmental Review (CEQA/NEPA)

Permitting

Site Prep ← Dam Construction → Restoration

Construction

Fully Dewatered

Restore Ops

# QUESTIONS

