

Orinda Water Treatment Plant Disinfection Improvements



Welcome! We will begin shortly...

Zoom link:

Meeting ID:

Password:

All attendees will be muted as they join the meeting.

**Public comments will be taken after the
presentation**

Orinda Water Treatment Plant Disinfection Improvements Project



**Draft Supplemental Environmental Impact Report
Virtual Community Meeting
August 20, 2020**

Purpose of the Meeting



- Review findings of the Draft Supplemental Environmental Impact Report
- Identify where in the Draft Supplemental EIR information can be found
- Accept public comments

Public comments will be addressed in the Final Supplemental EIR

Agenda



- Introduction
- CEQA Planning and Public Process
- Project Description
- Construction Sequence
- Draft Supplemental EIR Analysis of Impacts and Mitigations
- Next Steps

Project Team



- EBMUD
 - Chien Wang, P.E., Project Manager
 - Jeni McGregor, P.E., Senior Engineer
 - David Rehnstrom, P.E., Division Manager
 - Rolando Gonzalez, Community Affairs
 - Jeff Bandy, P.E., Design Project Manager
- Consultants
 - David Davis, Project Manager, ESA
 - Jill Hamilton, Principal Associate, ESA

What is an EIR?



Environmental Impact Report

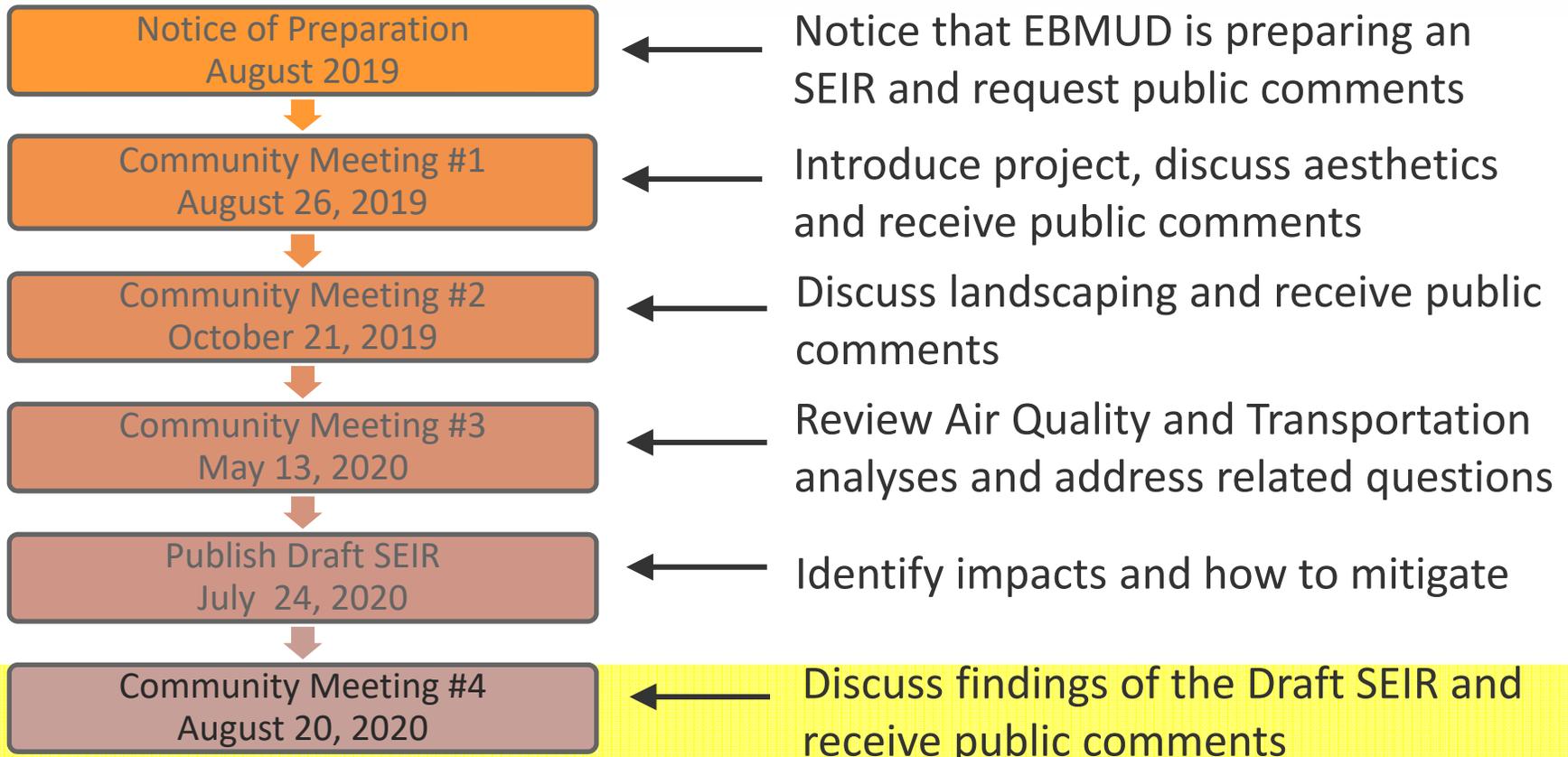
- Purpose:
 - To inform the public of the environmental consequences of projects
- EIR is required:
 - When there is potential that a project may have significant impacts

WTTIP Environmental Impact Report

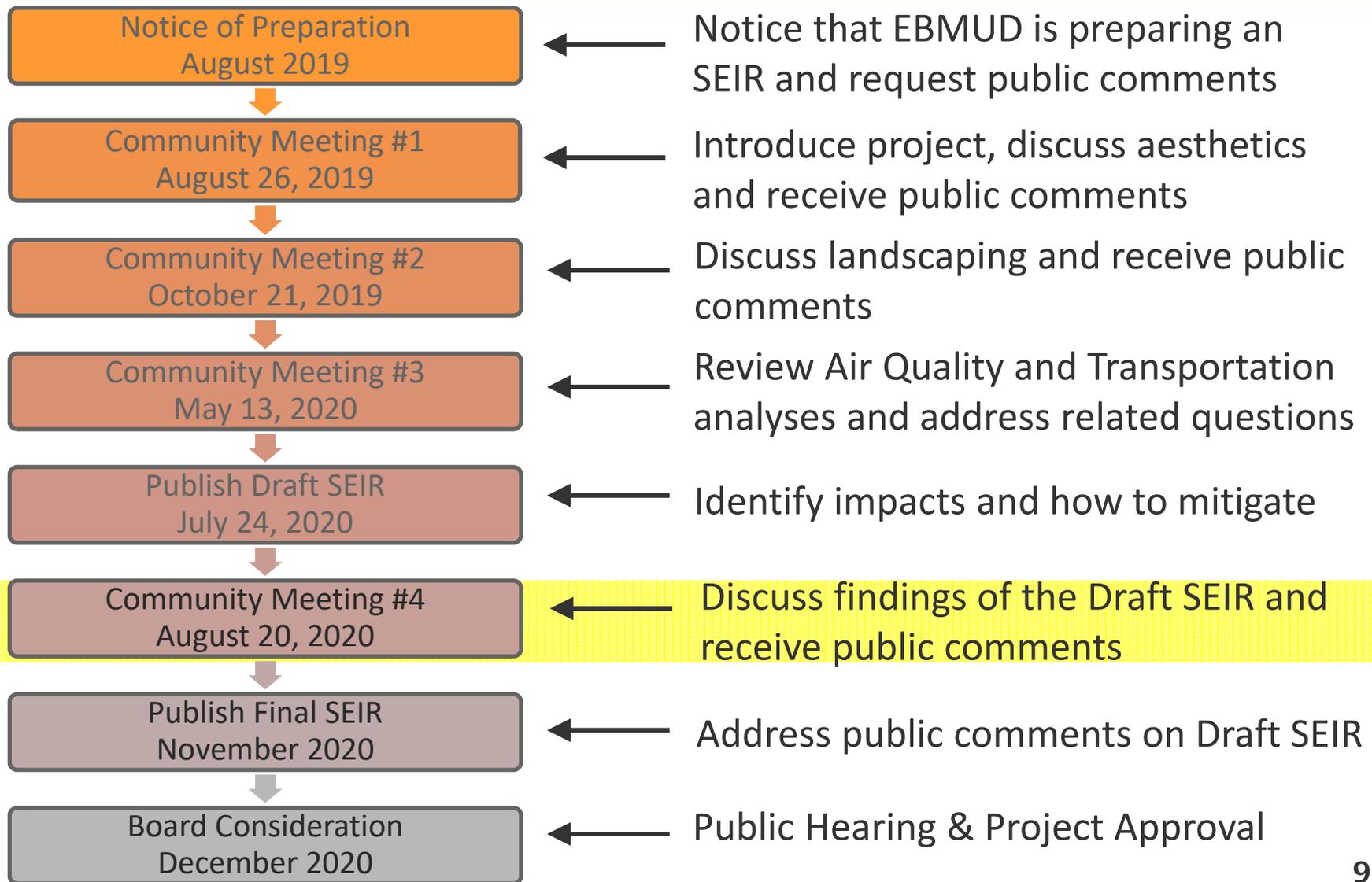


- Water Treatment and Transmission Improvements Program (WTTIP) Environmental Impact Report (EIR) included components of the project
- The WTTIP EIR was certified in 2006
- The Draft Supplemental EIR to the WTTIP EIR was released July 24, 2020

CEQA Planning & Public Process



CEQA Planning & Public Process



Orinda Water Treatment Plant – In Service 1935



1939

Orinda Water Treatment Plant



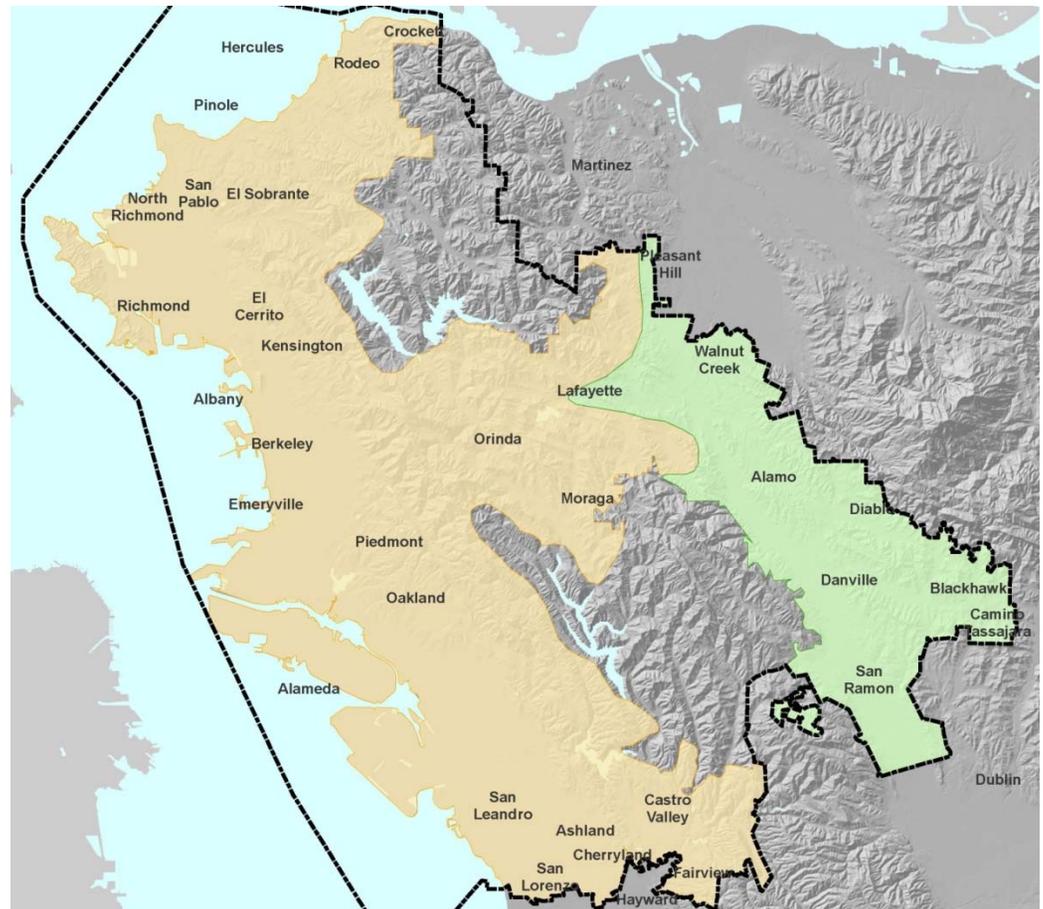
- Supplies water to both sides of the Oakland-Berkeley hills
- Operates year-round



Orinda Water Treatment Plant



- Supplies water to both sides of the Oakland-Berkeley hills
- Operates year-round



Project Purpose



- Improve disinfection reliability to continue to meet water quality regulations
- Better protect public health by adding a multi-barrier treatment process
- Reduce the formation of disinfection byproducts

The Project will make the Orinda WTP more adaptive to changes in source water quality which we anticipate will continue due to warming climates, fires in the watershed, and future droughts.

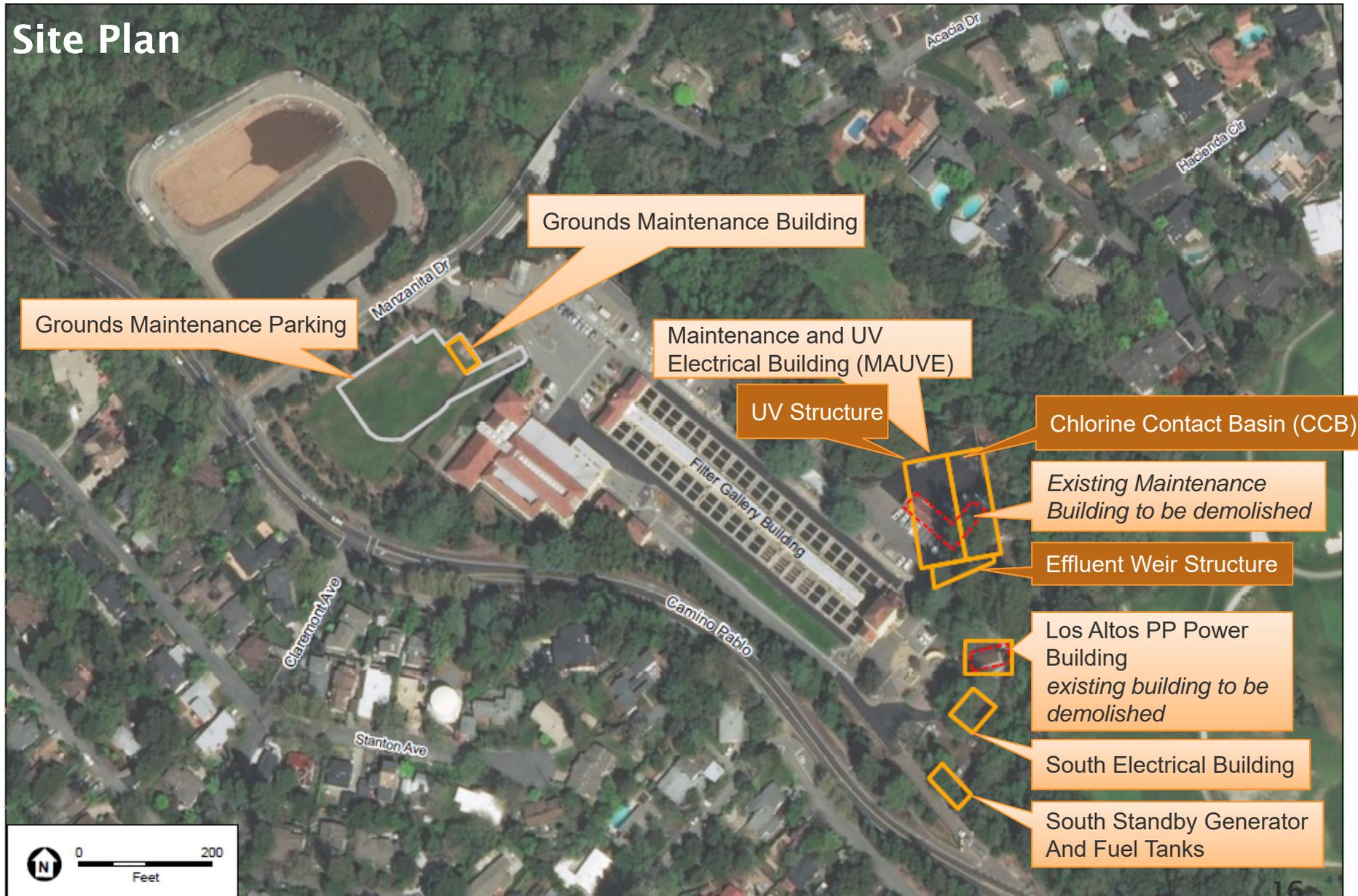
Site Plan



Site Plan



Site Plan



MAUVE Building Architecture



Project Areas



- Main Staging Area: Orinda WTP near Manzanita Drive and Camino Pablo
- EBMUD San Pablo Reservoir overflow parking lots will be used for worker parking and equipment and materials storage
- East of Manzanita Drive Bridge Area will be used for worker parking and office trailers
- EBMUD-owned North Orinda Sports Fields Area will be used for temporary relocation of maintenance staff during construction



Manzanita East Staging Area

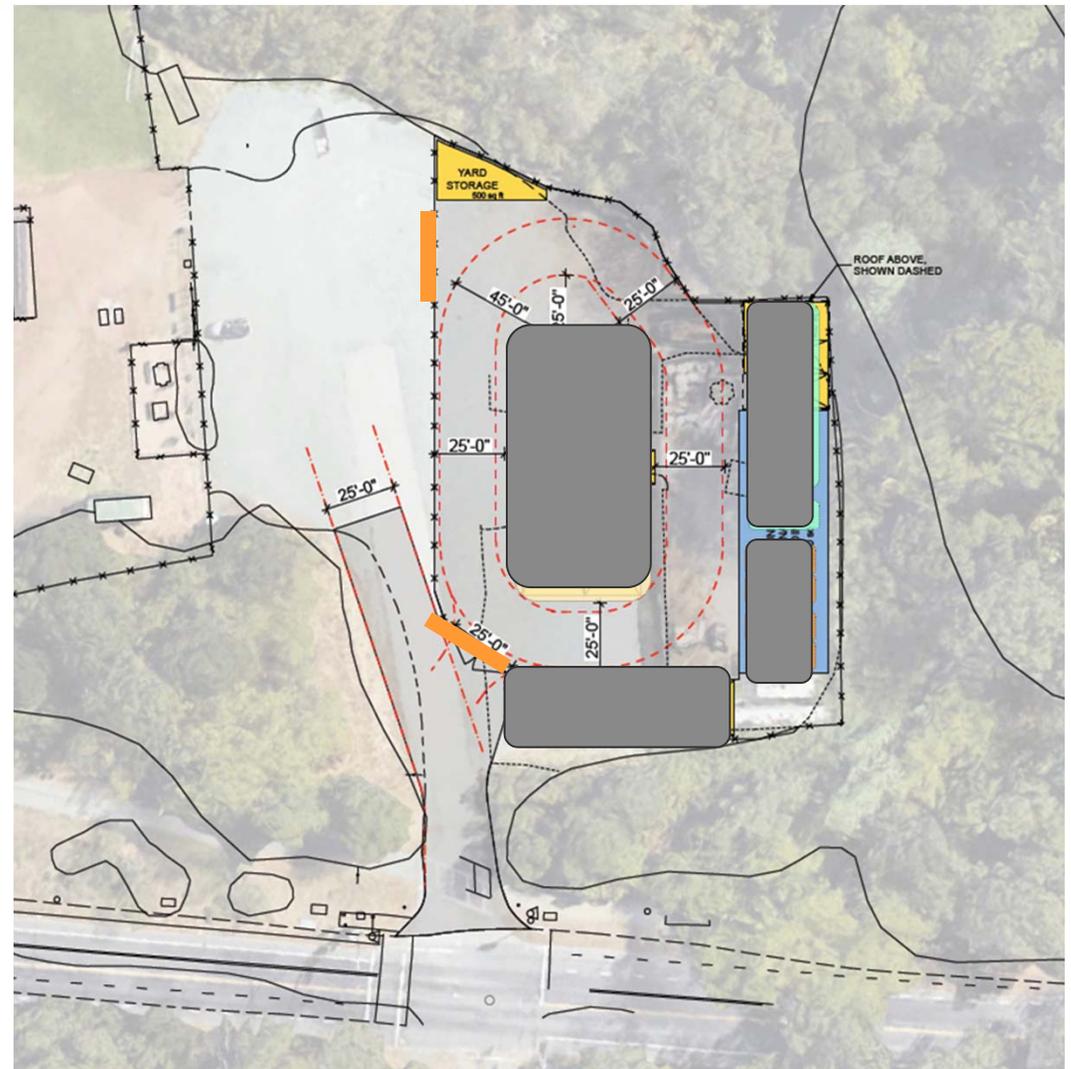


- No active construction work will take place at this site.
- The Manzanita East Staging Area will be limited to two small office trailers and five parked vehicles.
- This site is outside the riparian corridor and will consist of mowing/weeding, applying gravel, and removing dead/dying trees to prepare the site before use.
- Temporary security fencing will be installed.

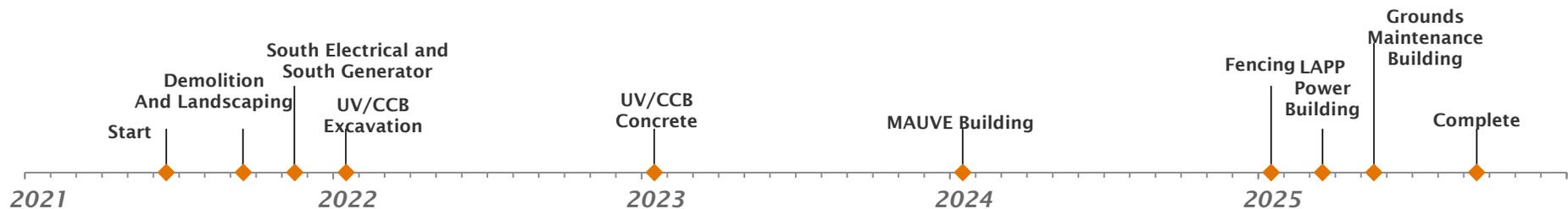
Temporary Relocation of Maintenance Facilities



- EBMUD-owned North Orinda Sports Fields Staging Area will be used for temporary relocation of maintenance staff during construction



Estimated Construction Sequence



- Demolition and Landscaping: Summer-Winter 2021
- Construction
 - UV/CCB Structure Excavation: 2022
 - UV/CCB Structure Concrete: 2023
 - Maintenance and UV Electrical Building: 2024
- Fencing and Site Restoration: Spring and Summer 2025

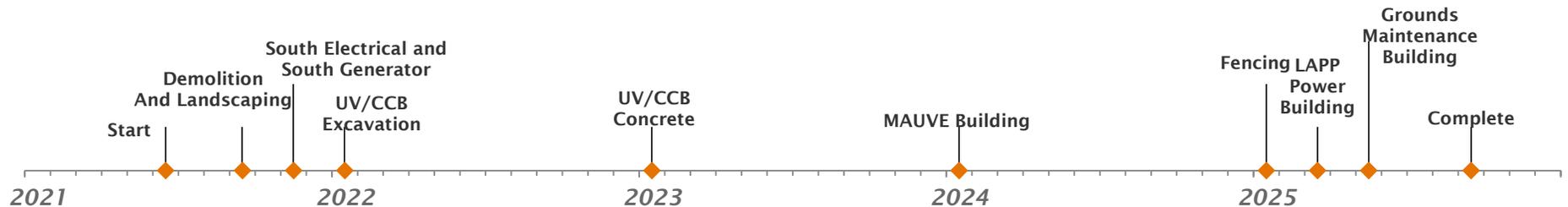
Construction Work Hours



- Construction work hours will typically be from 8:00 a.m. to 6:00 p.m. Monday through Friday
- Construction heavy traffic work restrictions
 - Soil and demolition off-haul and heavy equipment delivery truck trips will be limited to Monday through Friday 9 a.m. to 4 p.m.
 - Concrete deliveries will be allowed between 6 a.m. and 6 p.m.



Construction Vehicle Trips



- Estimated project trip generation:
 - Maximum 10 truck roundtrips per hour for soil and demolition off-haul and heavy equipment delivery trucks
 - Maximum 8 truck roundtrips per hour for concrete delivery trucks
 - Maximum 40 worker vehicle roundtrips total per day (during the morning and afternoon commute)

Draft Supplemental EIR Analysis of Impacts

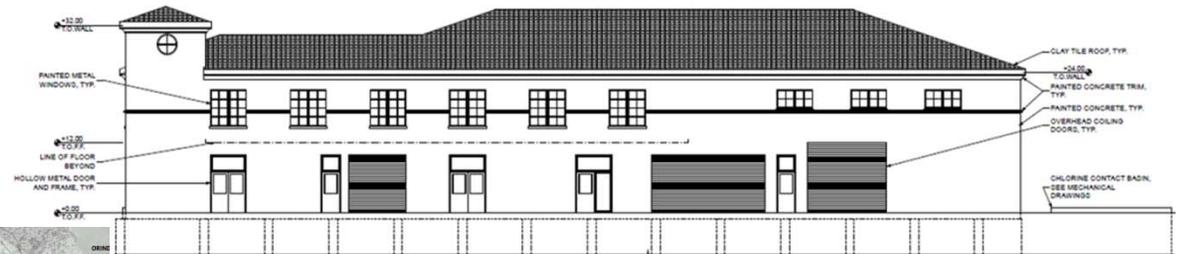


Less than Significant	Less than Significant with Adopted WTTIP Mitigation Measures	Less than Significant with Additional Project Mitigation Measures
Energy	Aesthetics	Air Quality
Recreation	Greenhouse Gas Emissions	Biological Resources
	Noise	Cultural Resources
	Tribal Cultural Resources	Geology
		Hazards
		Hydrology and Water Quality
		Transportation and Traffic
		Wildfire

Aesthetics



- Aesthetic Impacts will be Less Than Significant



- Integrated aesthetic appearance with existing buildings
- Landscaping plan and site restoration



Existing View from Camino Pablo near North Lane (VP 3)



Visual Simulation with Project
View from Camino Pablo at North Lane



Visual Simulation with Project | 5-Year Projection

View from Camino Pablo at North Lane



Existing View from Camino Pablo at Manzanita Drive (VP 7)



Visual Simulation with Project
View from Camino Pablo at Manzanita Drive



Visual Simulation with Project | 5-Year Projection

View from Camino Pablo at Manzanita Drive

Biological Resources



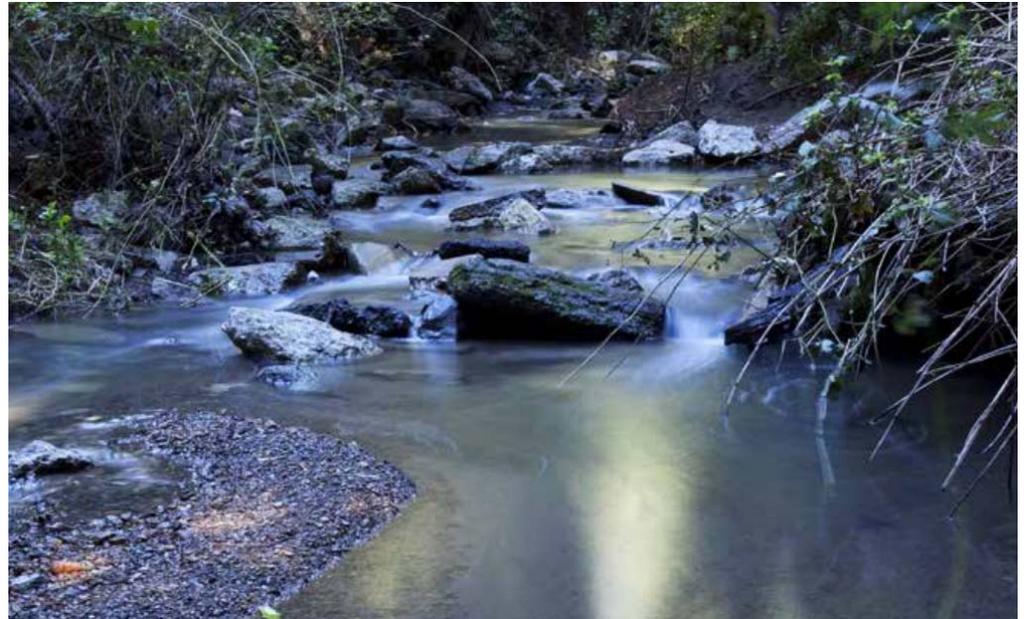
- Biological Resource Impacts will be Less Than Significant with Mitigation
 - Pre-construction special-status species surveys
 - Biological monitoring
 - Riparian Monitoring and Mitigation Plan
 - Tree protection and replacement



Hydrology and Water Quality



- Hydrology and Water Quality Impacts will be Less Than Significant with Mitigation
 - Stormwater Pollution Prevention Plan
 - Silt fence installation
 - Creek Bank Monitoring and Remediation Plan
 - Geotechnical monitoring



Air Quality



- Air Quality Impacts will be Less Than Significant with Mitigation
 - BAAQMD Basic and Enhanced Control Measures and Exhaust Controls
 - Conformance to current, stringent U.S. EPA diesel engine standards

Noise and Vibration



- Construction Noise and Traffic Noise Impacts will be Less Than Significant
 - Construction noise within the Orinda WTP will conform to the City of Orinda noise ordinance
 - Construction traffic noise on roadways adds less than the 5 dBA Federal Highway Administration threshold to existing traffic noise levels



- Traffic Impacts will be Less than Significant with Mitigation
 - Crossing guards will be required at Manzanita Drive/Camino Pablo intersection and Orinda WTP Manzanita Drive entrance due to increased active construction traffic on Manzanita Drive roadway segment
 - Radar feedback signs on Camino Pablo
 - Regular coordination with Orinda Police Department on construction schedule and haul routes
 - Orinda WTP log of construction truck drivers' licenses and vehicle license plates



Conclusion



- **The Orinda WTP Disinfection Improvements Project will make the Orinda WTP more adaptive to changes in source water quality.**
- **The Project is essential to EBMUD's public health mission to ensure EBMUD's drinking water is clean, safe and reliable.**

Schedule & Next Steps

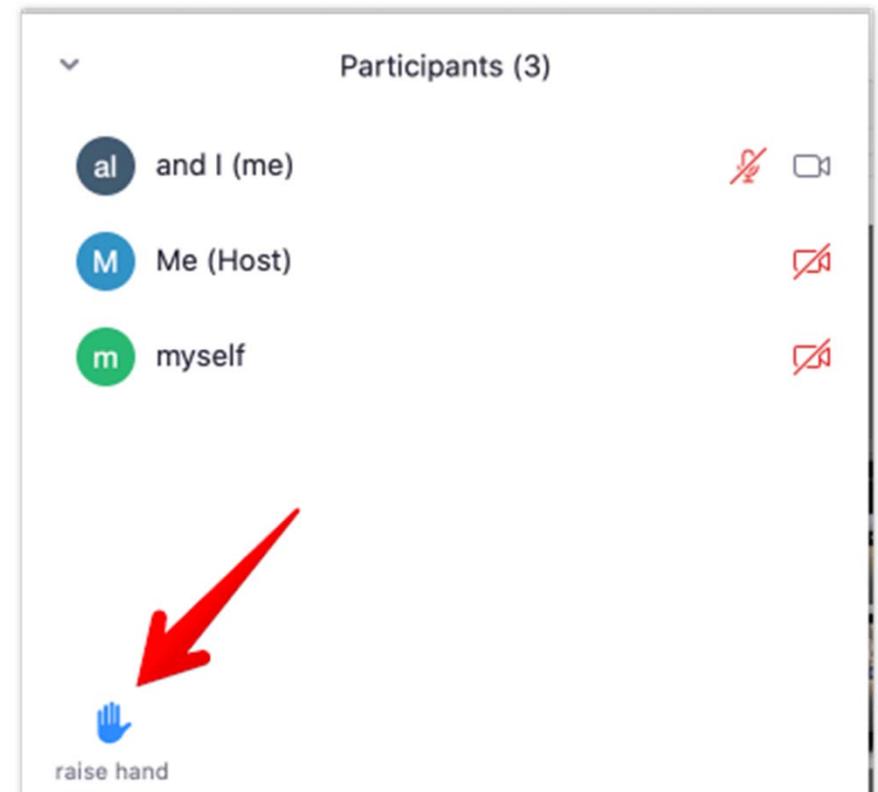
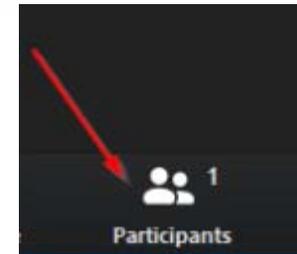


- Draft Supplemental EIR Public Comment – through September 9, 2020
- Publish Final Supplemental EIR – November 2020
- EBMUD Board Consideration – December 2020
- Complete Design – 2021
- Construction – 2021 to 2025

Public Comment



- To participate, please click “Participants” at the bottom of your screen.
- In the “Participants” dialog box, please click “Raise Hand.”
- A member of staff will prompt you to speak.
- Please first state your full name.
- After you have made your comment, click “Lower Hand.”



Thank You



Thank you for your participation tonight.

Please submit your comments on the Draft Supplemental EIR by September 9, 2020 to:

orwtp.improvements@ebmud.com

More information and tonight's presentation can be found at the **Project Website:**

www.ebmud.com/orwtpimprovements