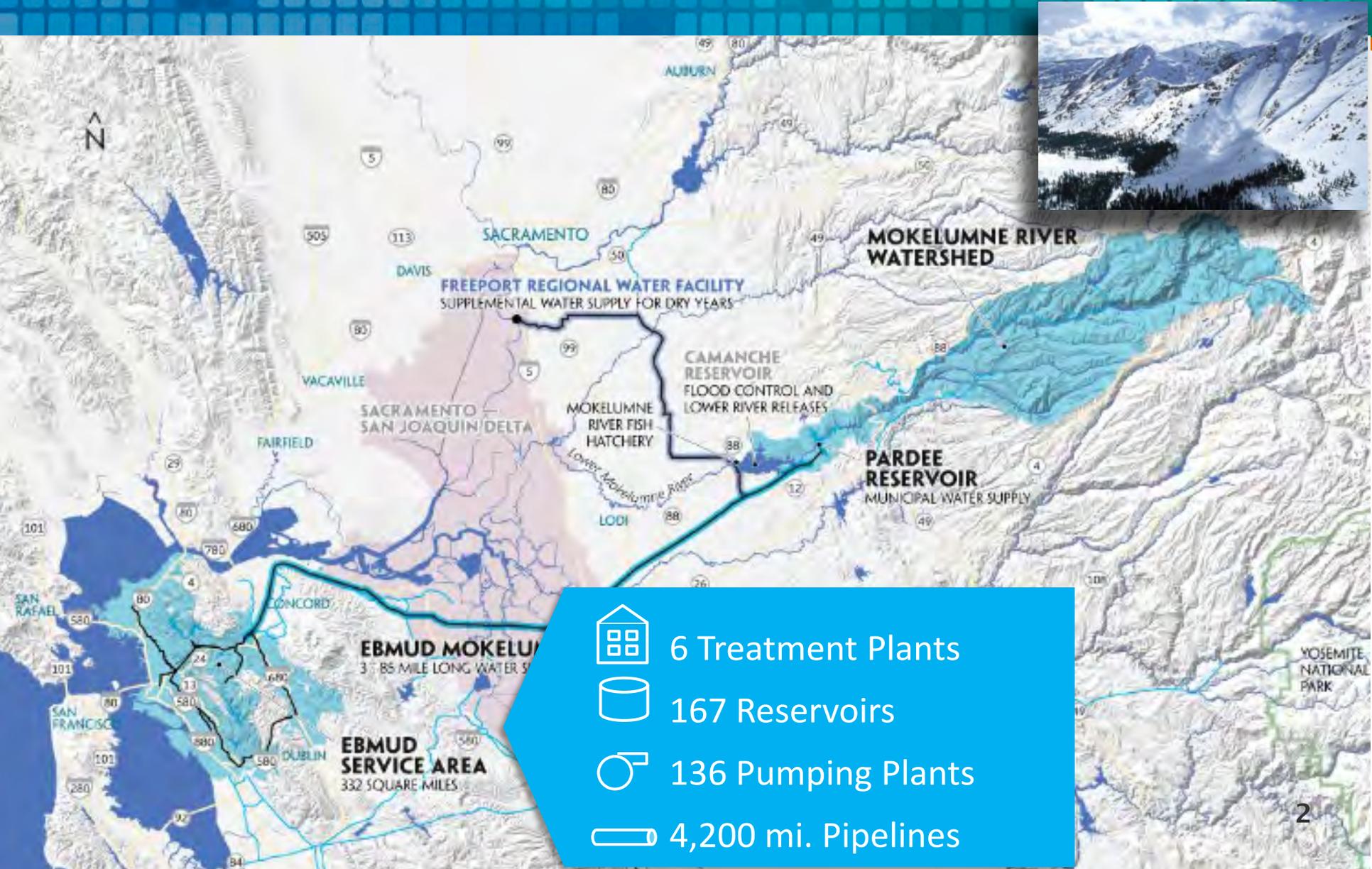


**Sobrante Water
Treatment Plant
Reliability
Improvements
Project**



**Virtual Public Meeting
October 6, 2022**

EBMUD Water System



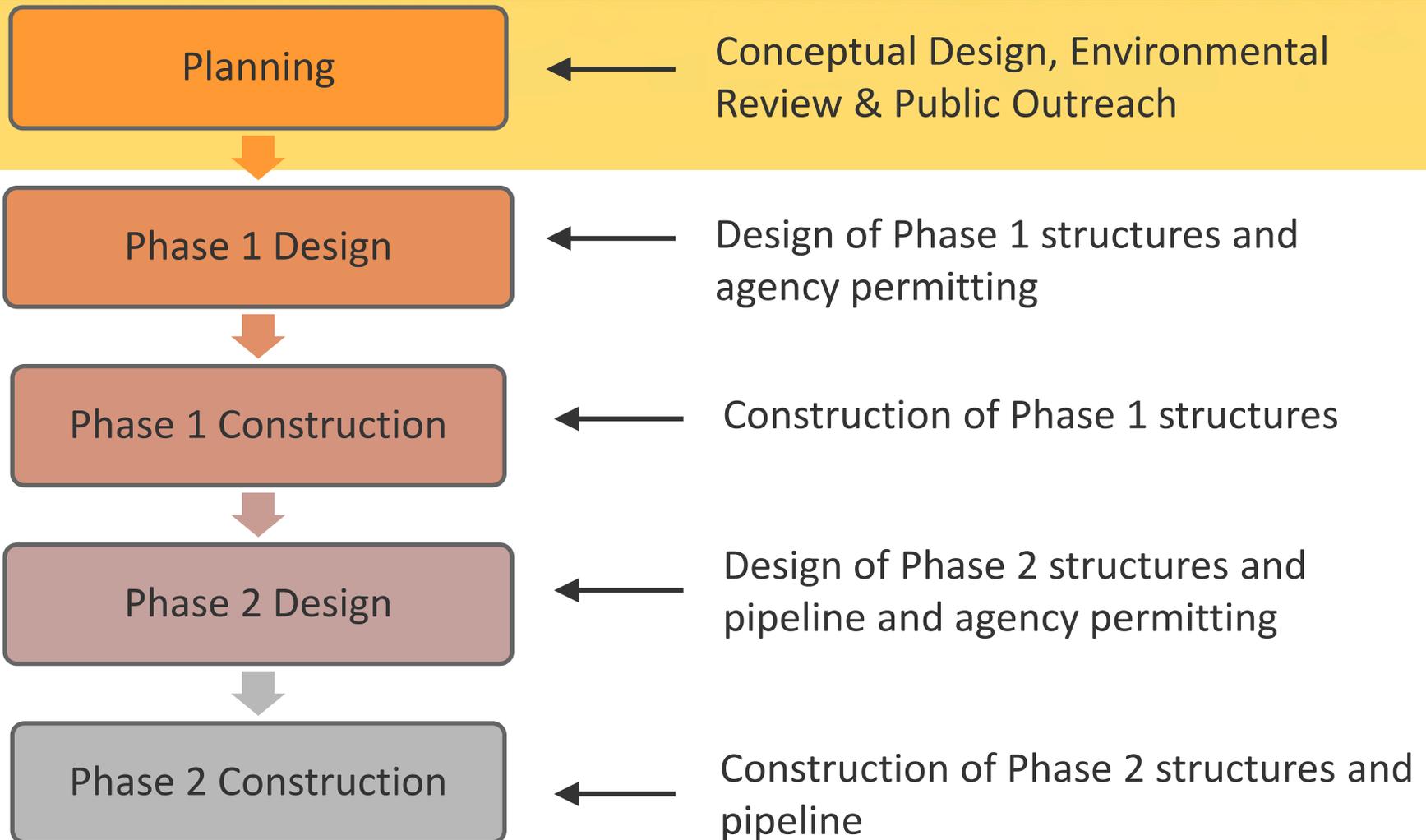
-  6 Treatment Plants
-  167 Reservoirs
-  136 Pumping Plants
-  4,200 mi. Pipelines

Purpose of the Meeting

- Present the Project:
 - Preliminary site plans
 - Conceptual visual simulations
- Receive project input



General Schedule



Agenda



- Project Team
- Project location
- Project purpose, need, and description
- Conceptual visual simulations
- Environmental review process & schedule
- Next Steps
- Questions & comments

Project Team



- EBMUD
 - Stella Tan, P.E., Project Manager/Associate Civil Engineer
 - Tim McGowan, P.E., Senior Civil Engineer
 - David Rehnstrom, P.E., Division Manager
 - Rolando Gonzalez, Community Affairs
- Consultants
 - Panorama Environmental, Inc., Environmental Consultant
 - MWA Architects, Architects
 - Merrill Morris Partners, Landscape Architects

Project Location



Project Purpose & Need



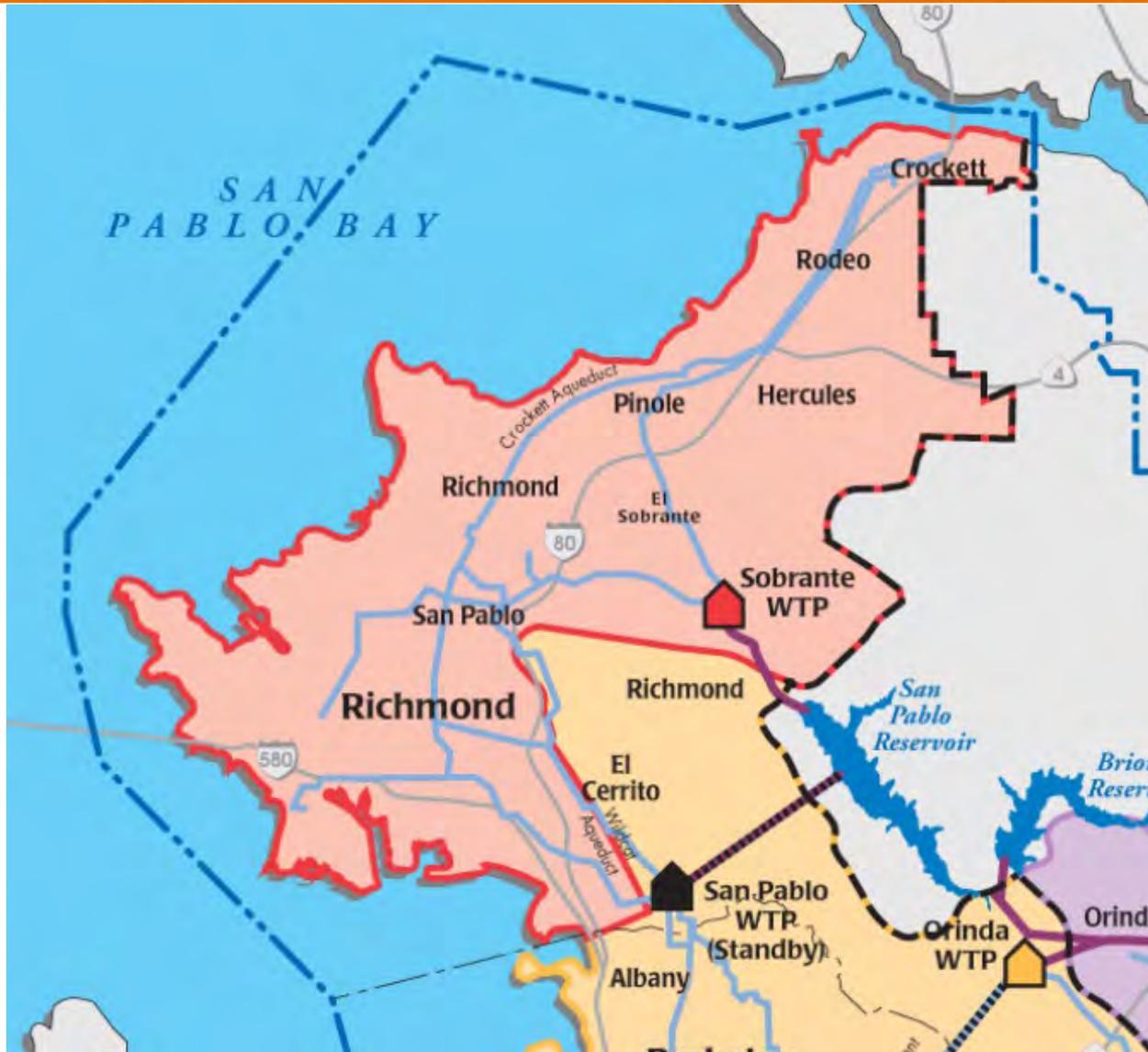
- Meet existing and future water demands
- Maintain water quality and reduce disinfectant byproducts
- Support drought operations
- Provide treatment capacity for changing untreated water quality or planned untreated water aqueduct outages

Sobrante WTP Proposed Improvements



- Construct new structures to increase reliable capacity of Sobrante Water Treatment Plant (WTP)
 - Phase 1 (near term): 60 MGD
 - Phase 2 (long term): 80 MGD
- After Phase 1 completed, demolish structures at the existing Sobrante WTP
- In Phase 2, construct the Central North Aqueduct pipeline to convey Phase 2 treatment capacity

Sobrante WTP Area Served



Sobrante WTP Proposed Improvements



Phase 1 Improvements (*construct 2026-2030*)

Phase 2 Improvements (*construct after 2035 as needed*)



Stormwater Basin

Phase 1 Treatment Structures

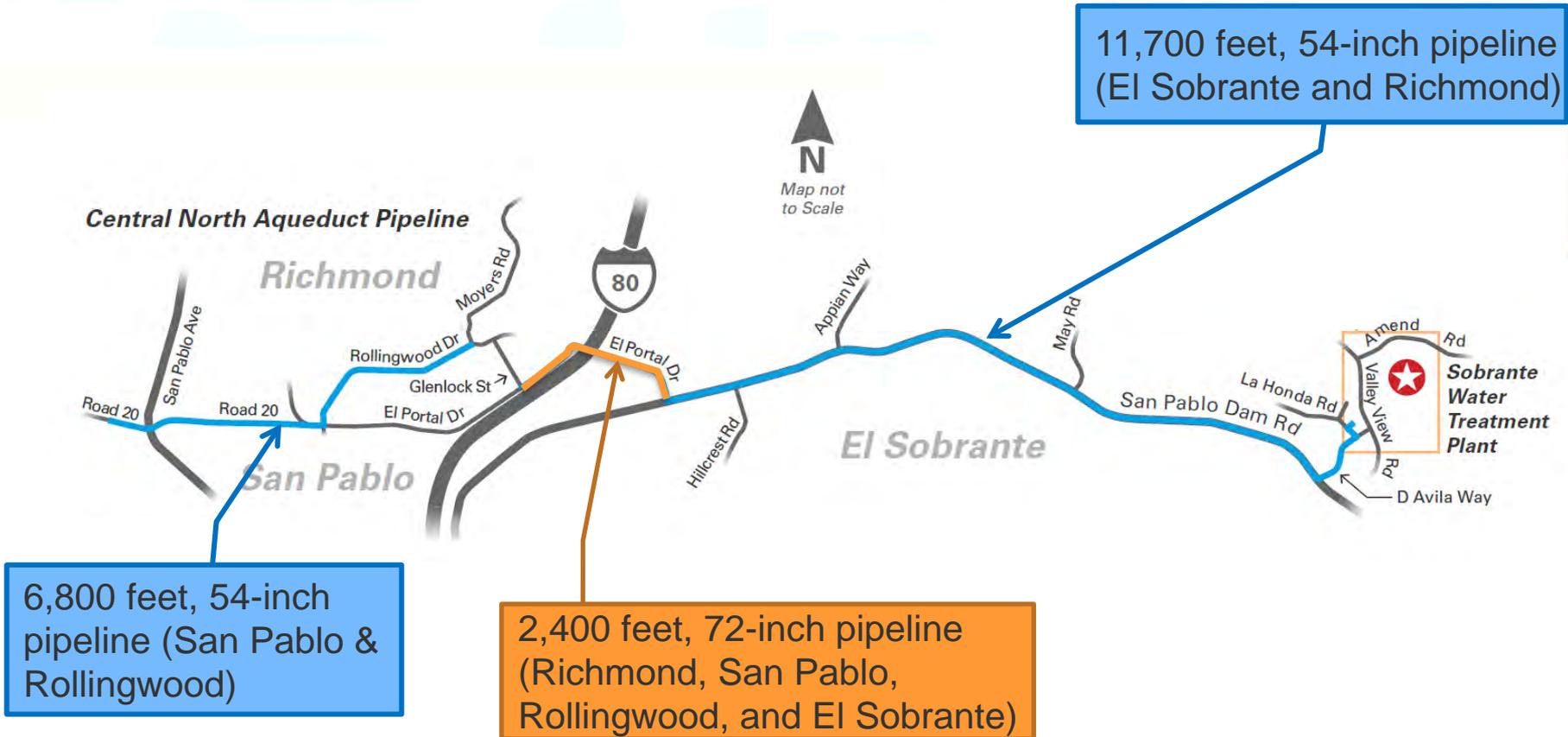
Maintenance Building & Parking

Phase 2 Treatment Structures

Structures to be demolished



Central North Aqueduct Pipeline



An aerial photograph of an industrial or commercial complex. The facility consists of several large, interconnected buildings with flat roofs. One prominent building on the right has a grid-like pattern on its roof, possibly solar panels. There are multiple parking lots with cars and trucks scattered throughout the site. The surrounding area is green with trees and grass. A road is visible on the right side of the image. The text "Aesthetic & Landscape Design" is overlaid in the center in a bold, black font.

Aesthetic & Landscape Design

Existing Architectural Features



Key Public Buildings

RICHMOND FIRE STATION



DE ANZA HIGH SCHOOL



MURPHY ELEMENTARY SCHOOL



Sobrante Water Treatment Plant

MATERIALS



SIZES



SHAPES



Existing Vegetated Features



ON SITE



PERIMETER



NEIGHBORHOOD



New Buildings



MAINTENANCE BUILDING



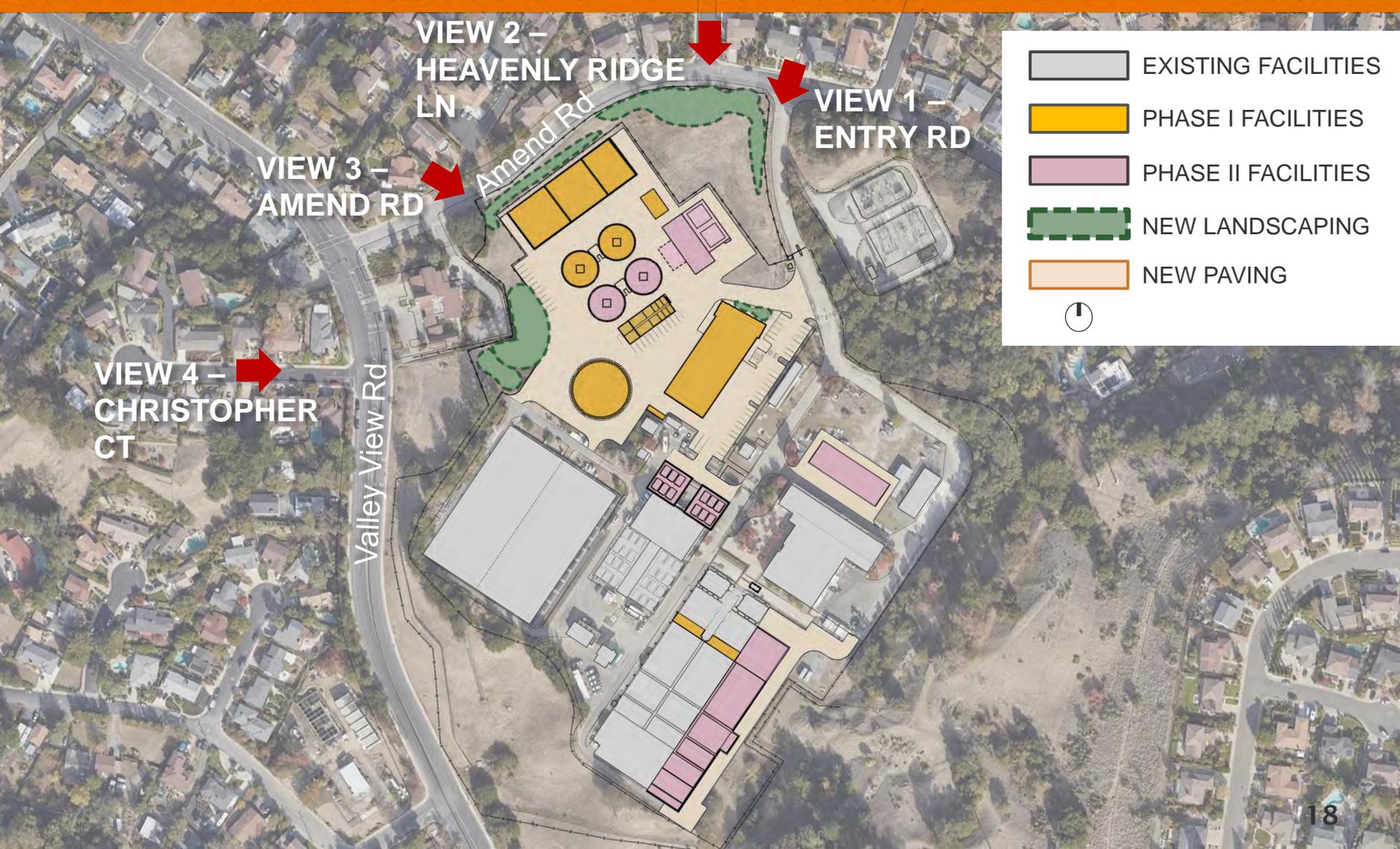
PROCESS BUILDINGS

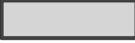


Sobrante WTP with Improvements



Key Site Views



-  EXISTING FACILITIES
-  PHASE I FACILITIES
-  PHASE II FACILITIES
-  NEW LANDSCAPING
-  NEW PAVING
- 

Key Site Views – Street View



1 – ENTRY ROAD



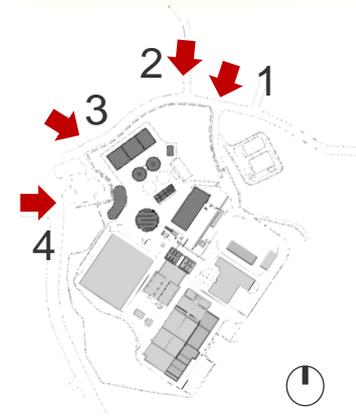
2 – HEAVENLY RIDGE LANE



3 – AMEND ROAD



4 – CHRISTOPHER COURT



Conceptual Plant Palette - Trees



Arbutus 'Marina'
Marina Strawberry Tree



Calocedrus decurrens
Incense Cedar



Cedrus deodara
Deodar Cedar



Chitalpa x tashkentensis
Chitalpa



Lagerstroemia indica 'Tuscarora'
Tuscarora Crape Myrtle



Prunus caroliniana
Carolina Laurel Cherry



Quercus agrifolia
Coast Live Oak



Quercus chrysolepis
Canyon Live Oak



Quercus douglasii
Blue Oak

Conceptual Plant Palette - Shrubs



Achillea millefolium
Common Yarrow



Arctostaphylos manzanita
Common Manzanita



Bouteloua gracilis 'Blonde Ambition'
Blonde Ambition Blue Grama



Ceanothus 'Frosty Blue'
Frosty Blue Wild Lilac



Dendromecon rigida
Bush Poppy



Ceanothus thyrsiflorus 'Snow Flurry'
White Blossom Ceanothus



Festuca californica
California Fescue



Garrya elliptica
Coast Silktassel



Heteromeles arbutifolia
Toyon



Rhamnus californica 'Eye Case'
Eye Case Compact Coffeeberry

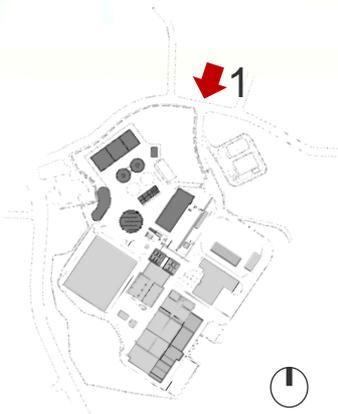


Rhaphiolepis 'Majestic Beauty'
Majestic Beauty Indian Hawthorne

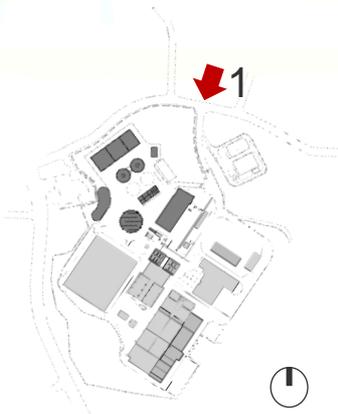


Salvia clevelandii
Cleveland Blue Sage

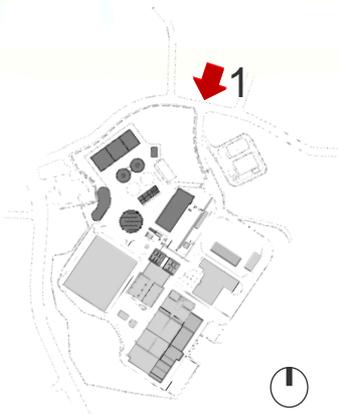
View 1 - Entry Road (Existing)



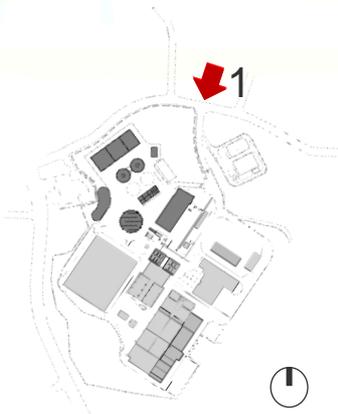
View 1 - Entry Road (Year 0)



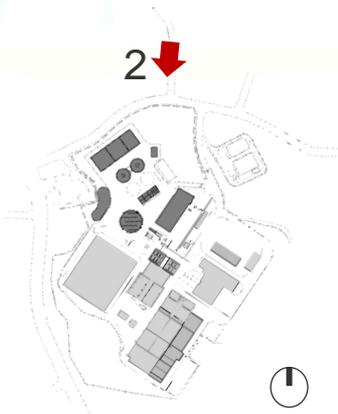
View 1 - Entry Road (Year 5)



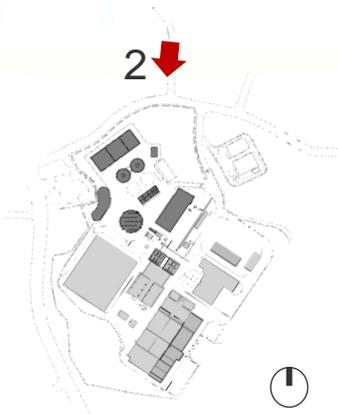
View 1 - Entry Road (Year 10)



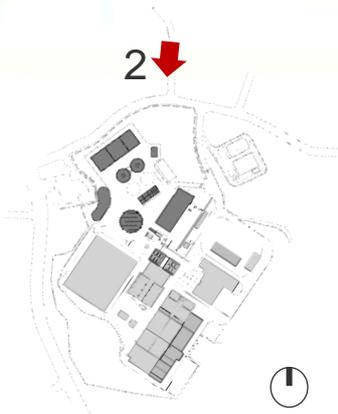
View 2 - Heavenly Ridge Lane (Existing)



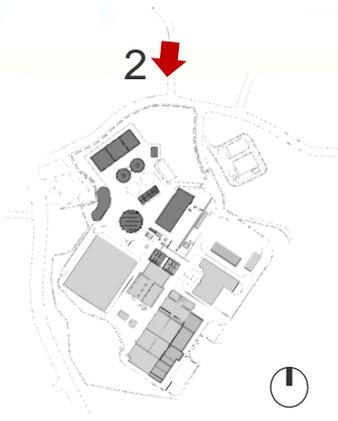
View 2 - Heavenly Ridge Lane (Year 0)



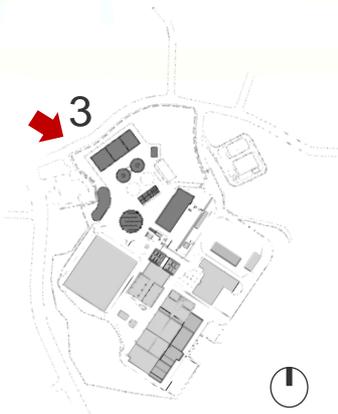
View 2 - Heavenly Ridge Lane (Year 5)



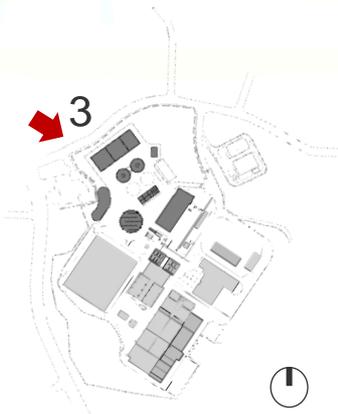
View 2 - Heavenly Ridge Lane (Year 10)



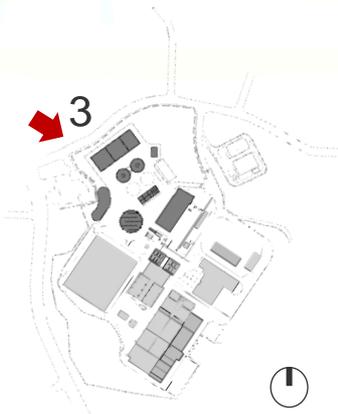
View 3 - Amend Road (Existing)



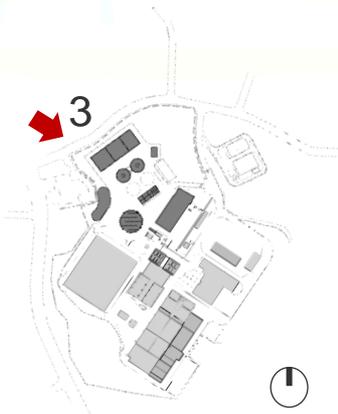
View 3 - Amend Road (Year 0)



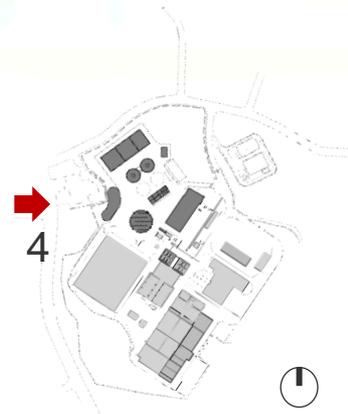
View 3 - Amend Road (Year 5)



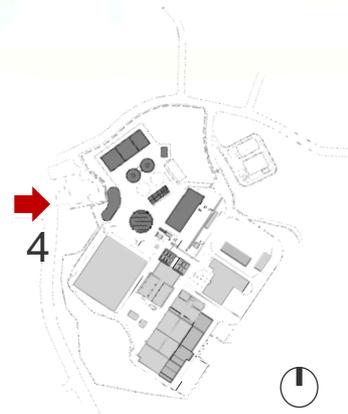
View 3 - Amend Road (Year 10)



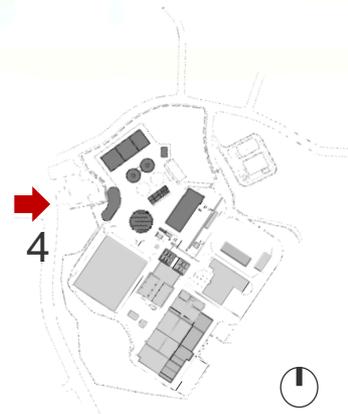
View 4 - Christopher Court (Existing)



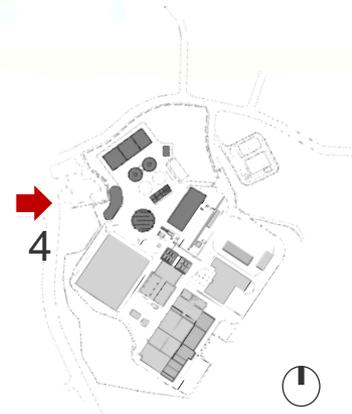
View 4 - Christopher Court (Year 0)

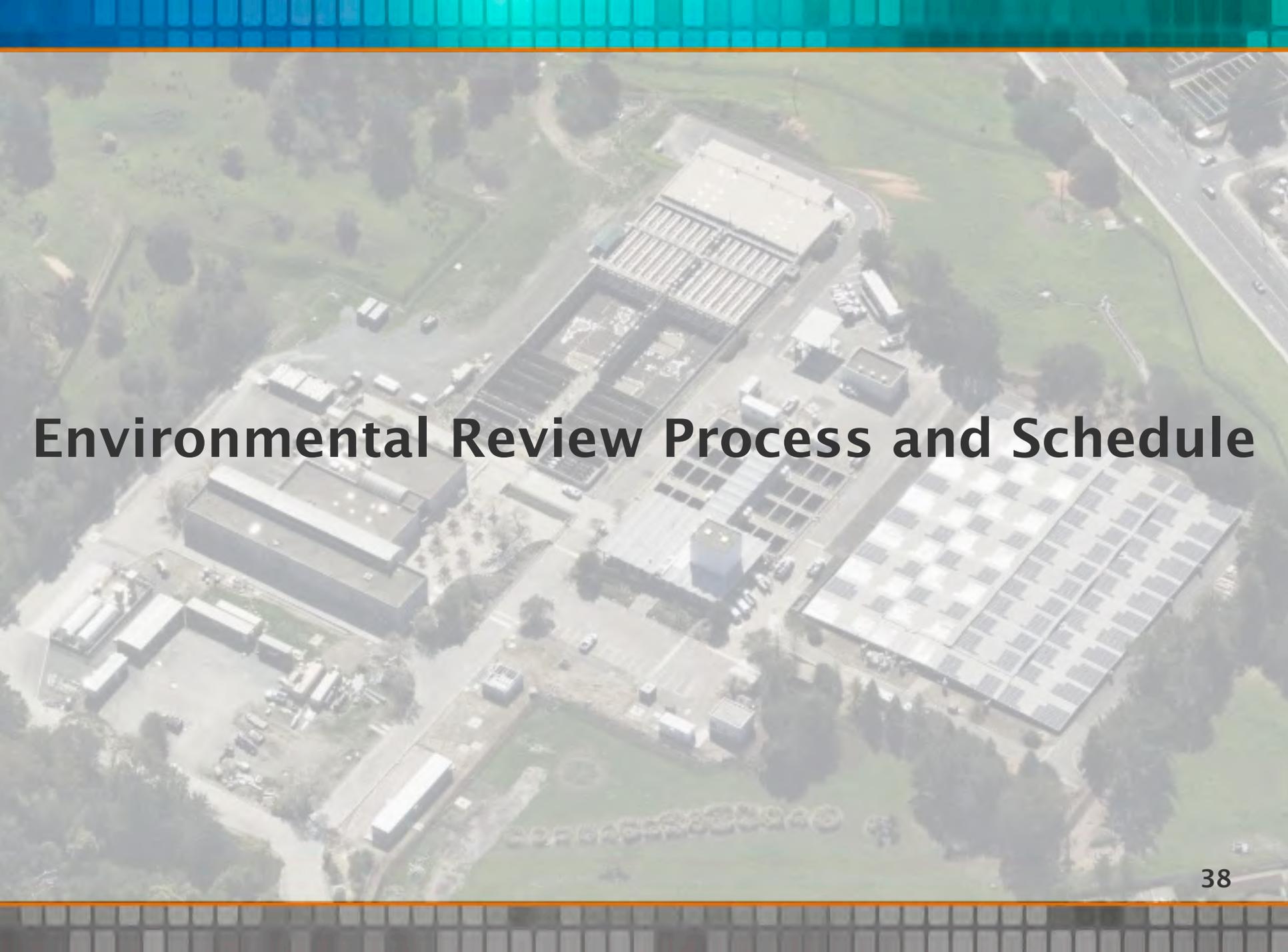


View 4 - Christopher Court (Year 5)



View 4 - Christopher Court (Year 10)





Environmental Review Process and Schedule

What is an Environmental Impact Report (EIR)?



EIR required under...

the California Environmental Quality Act (CEQA)

EIR required when...

there is potential that a project may have significant impacts

EIR purpose:

To inform the public of the environmental consequences of projects

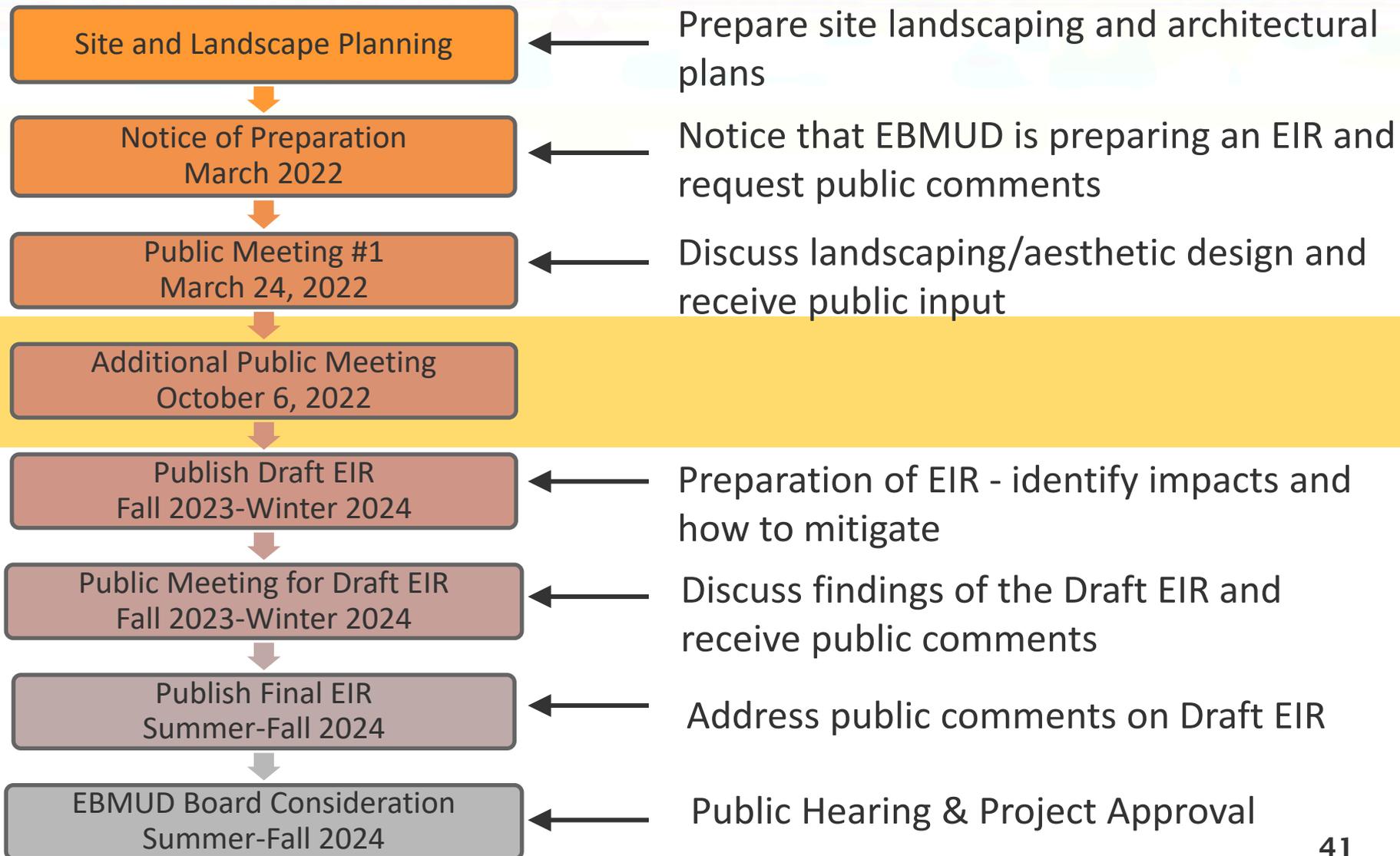
EIR Analysis of Impacts



Environmental Resource Category	Less than Significant	Less than Significant with Mitigation	Significant and Unavoidable
Aesthetics			
Air Quality			
Biological Resources			
Cultural/Historical Resources	<i>To be analyzed in the EIR</i>		
Energy			
Geology			
Greenhouse Gases			
Hazards			
Hydrology/Water Quality			
Noise			
Traffic			
Wildfire			

Initial Study available on Project website: www.ebmud.com/sowtp

Environmental Review Schedule



Next Steps



- Receiving feedback from tonight's public meeting
- Preparing the Draft Environmental Impact Report to be released Fall 2023 to Winter 2024

For more information and comments



More information can be found at the
Project Website:
www.ebmud.com/sowtp

Questions and Comments:
sowtp.improvements@ebmud.com

Or by mail:

Stella Tan, Project Manager
East Bay Municipal Utility District
375 Eleventh Street, MS 701
Oakland, CA 94607-4240

Questions and Comments

- Considering using the “Raise Hand” button at the bottom of your screen in case there are multiple questions at one time.

