

Fontaine Pumping Plant Replacement Project

**Draft Mitigated Negative Declaration (MND)
Public Meeting**



October 27, 2021

Agenda



- Introduction
- EBMUD Background
- Project Location
- Project Purpose & Benefits
- Project Scope
- MND Impacts Analysis and Mitigations
- Next Steps

Project Team



- EBMUD

- David Rehnstrom, P.E., Division Manager
- Bill Maggiore, P.E., Senior Engineer
- Dan Jones, P.E., Project Manager
- Laura Luong, Community Affairs

- Consultants

Panorama, Specialty CEQA Consultants

MWA, Architecture

Dillingham Associates, Landscape Architecture

What is an MND?



- MND
 - Mitigated Negative Declaration
- Purpose
 - To inform the public & other agencies of the environmental consequences of a project

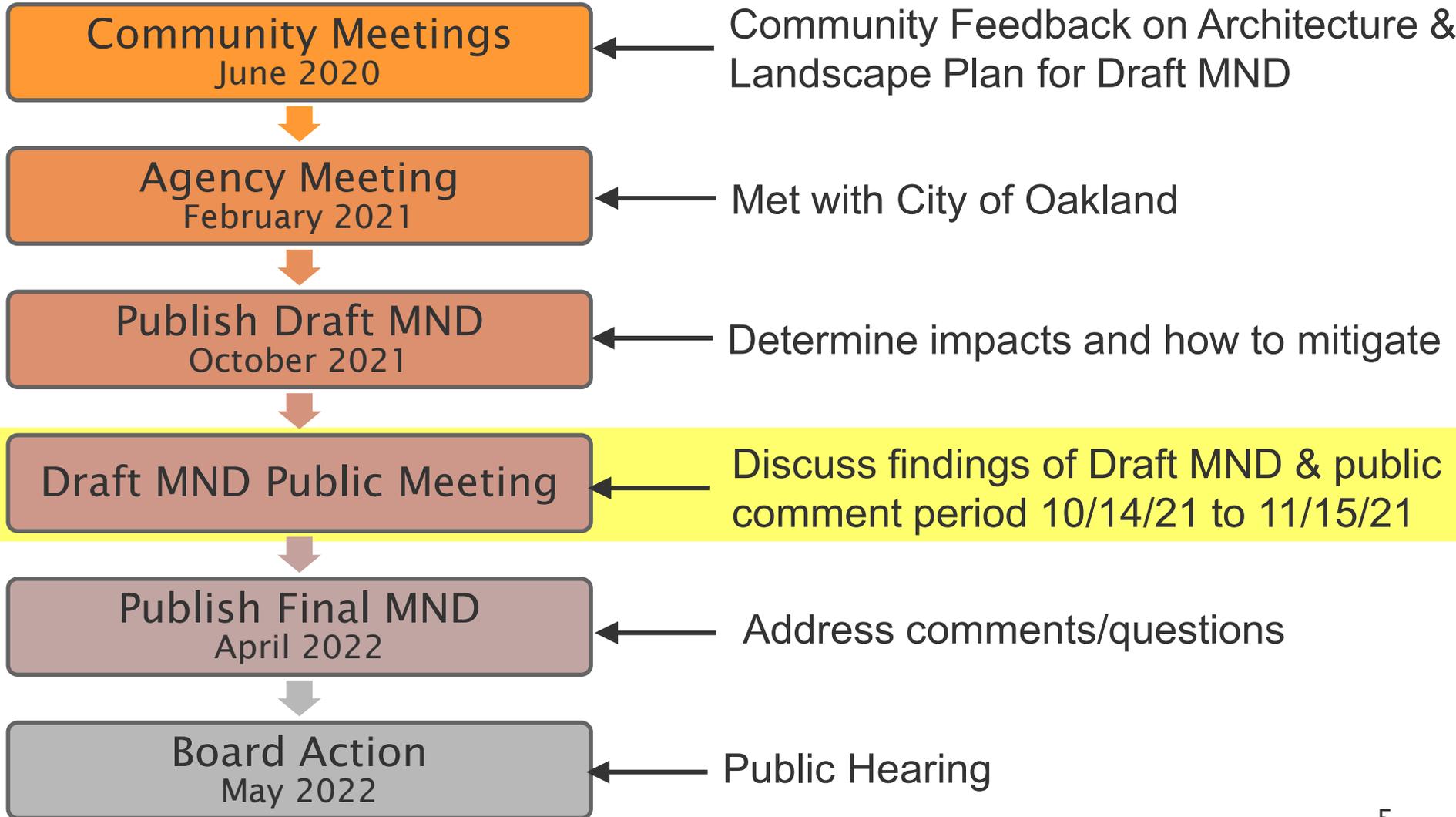
FONTAINE PUMPING PLANT REPLACEMENT PROJECT
OAKLAND, CALIFORNIA
MITIGATED NEGATIVE DECLARATION



EAST BAY MUNICIPAL UTILITY DISTRICT

October 2021

MND Process



EBMUD Water System



MOKELUMNE WATERSHED

WATER SERVICE AREA

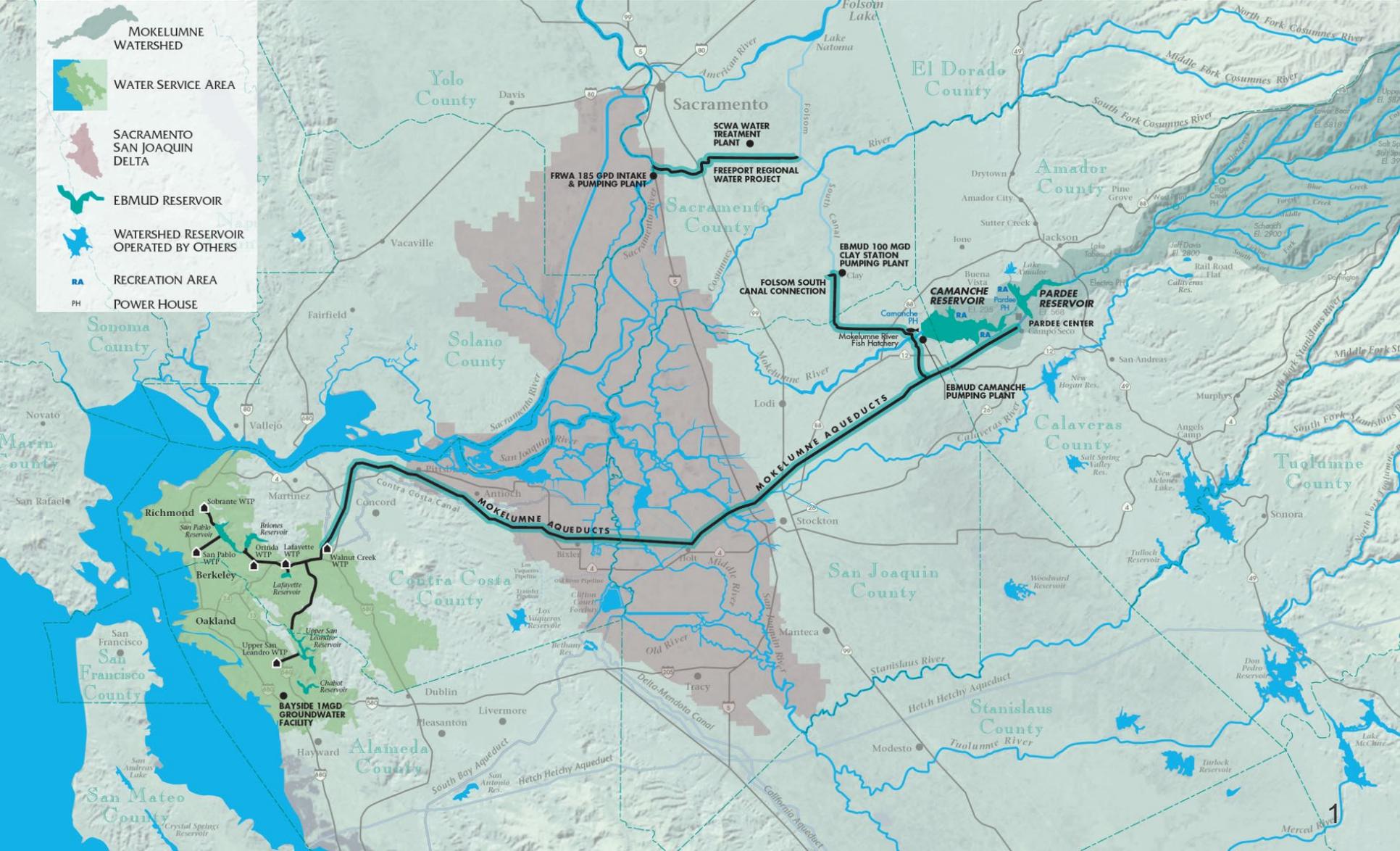
SACRAMENTO SAN JOAQUIN DELTA

EBMUD RESERVOIR

WATERSHED RESERVOIR OPERATED BY OTHERS

RA RECREATION AREA

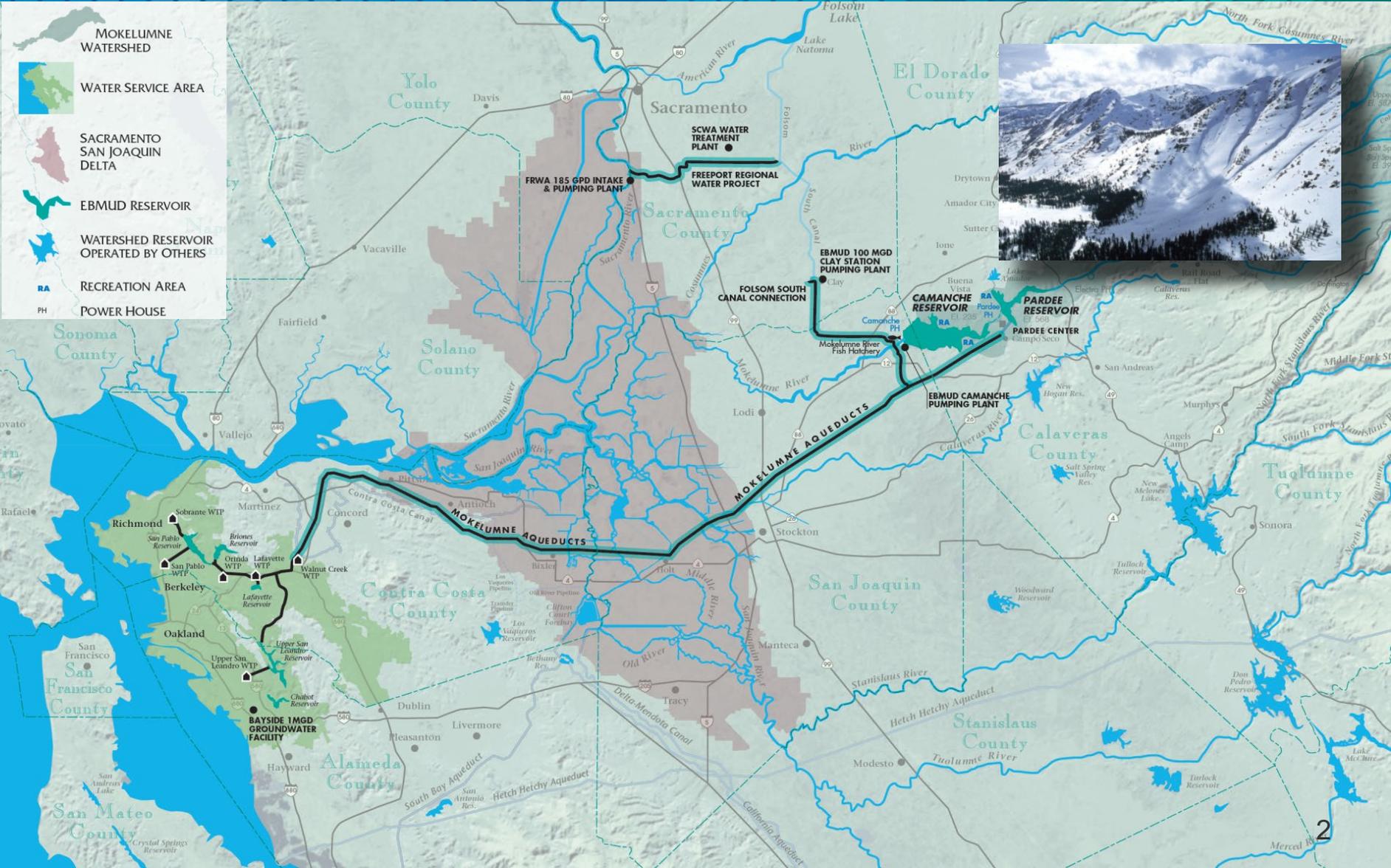
PH POWER HOUSE



EBMUD Water System



-  MOKELUMNE WATERSHED
-  WATER SERVICE AREA
-  SACRAMENTO SAN JOAQUIN DELTA
-  EBMUD RESERVOIR
-  WATERSHED RESERVOIR OPERATED BY OTHERS
-  RECREATION AREA
-  POWER HOUSE



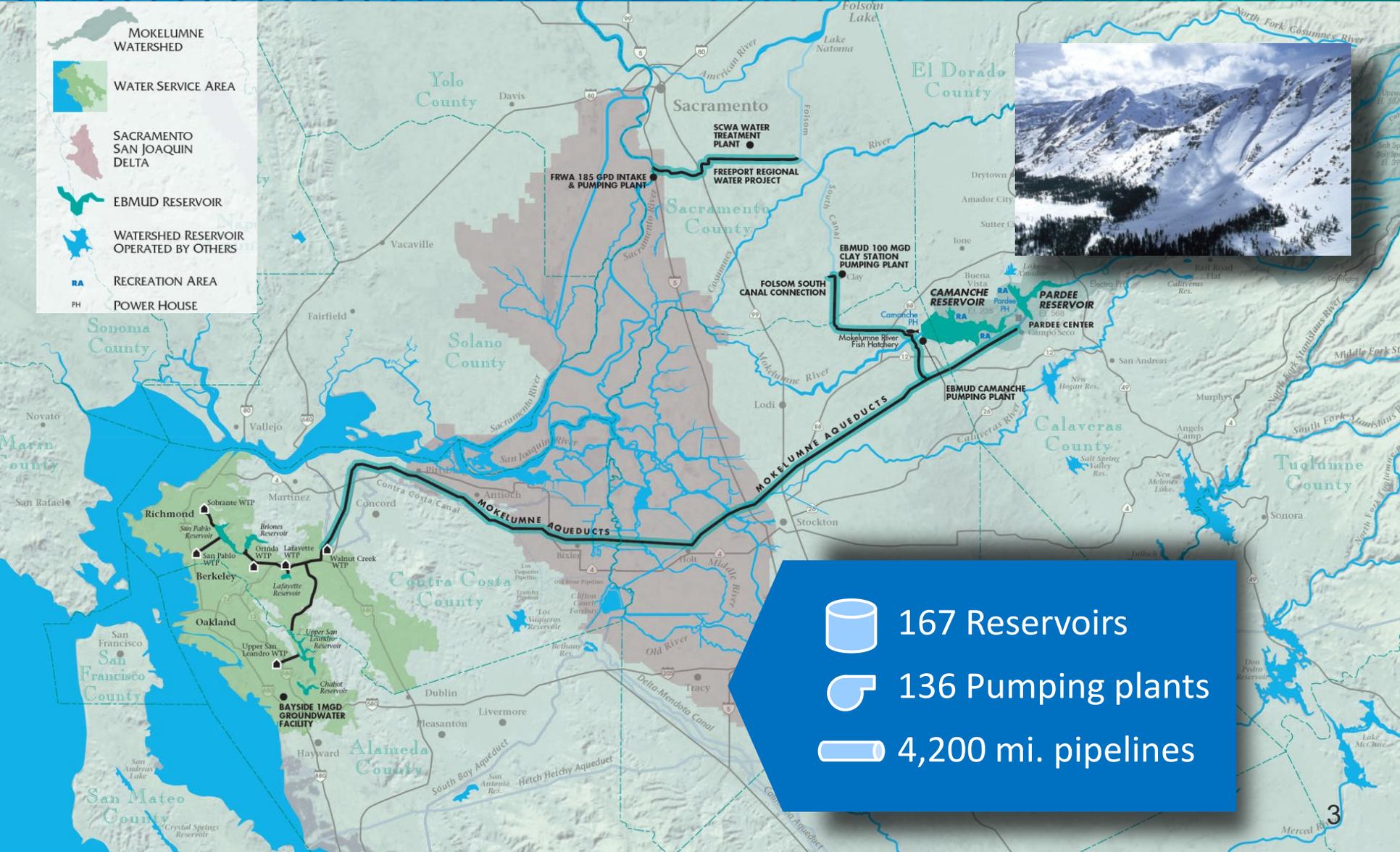
EBMUD Water System



- MOKELUMNE WATERSHED
- WATER SERVICE AREA
- SACRAMENTO SAN JOAQUIN DELTA
- EBMUD RESERVOIR
- WATERSHED RESERVOIR OPERATED BY OTHERS
- RA RECREATION AREA
- PH POWER HOUSE



-  167 Reservoirs
-  136 Pumping plants
-  4,200 mi. pipelines



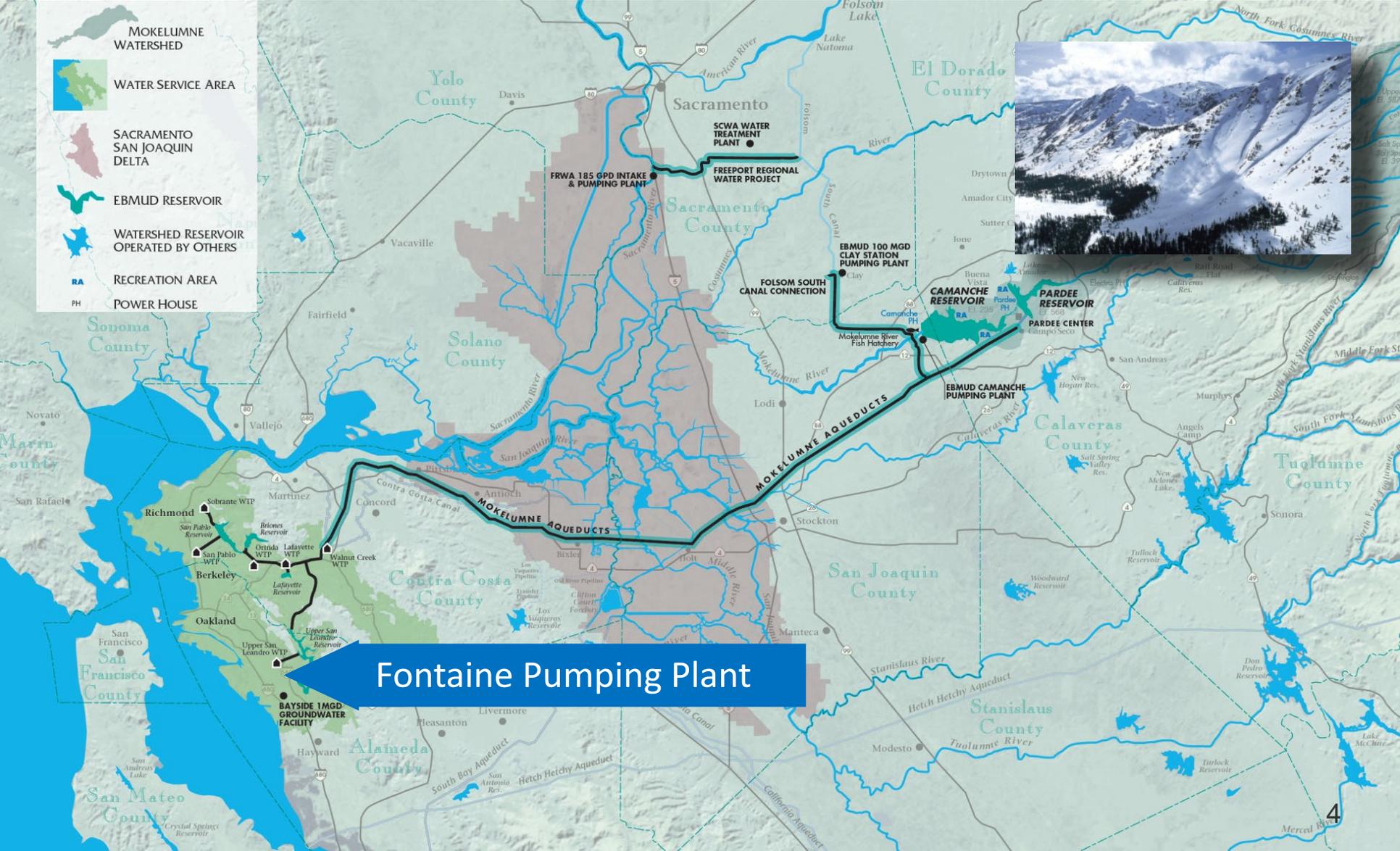
EBMUD Water System



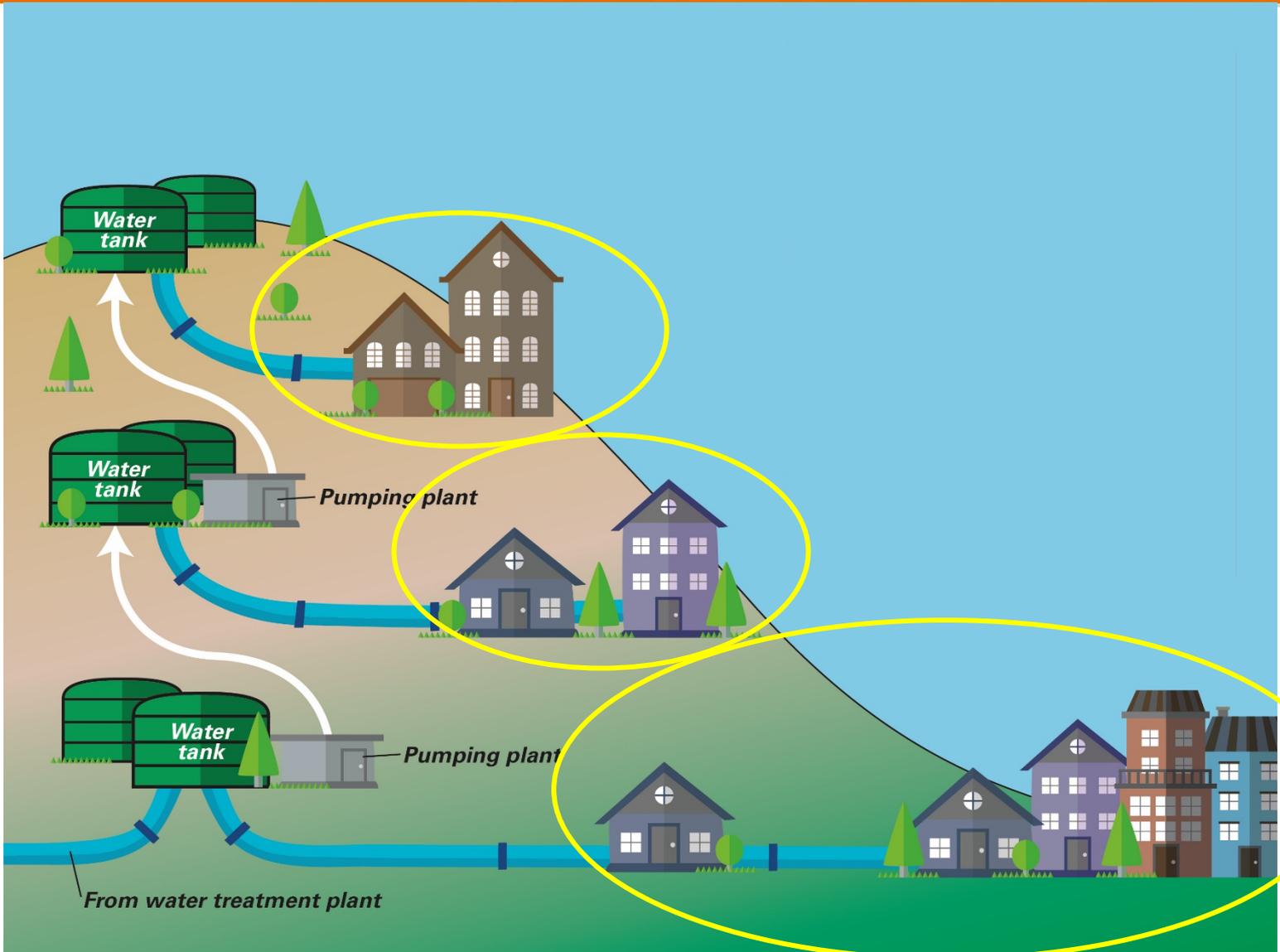
- MOKELUMNE WATERSHED
- WATER SERVICE AREA
- SACRAMENTO SAN JOAQUIN DELTA
- EBMUD RESERVOIR
- WATERSHED RESERVOIR OPERATED BY OTHERS
- RA RECREATION AREA
- PH POWER HOUSE



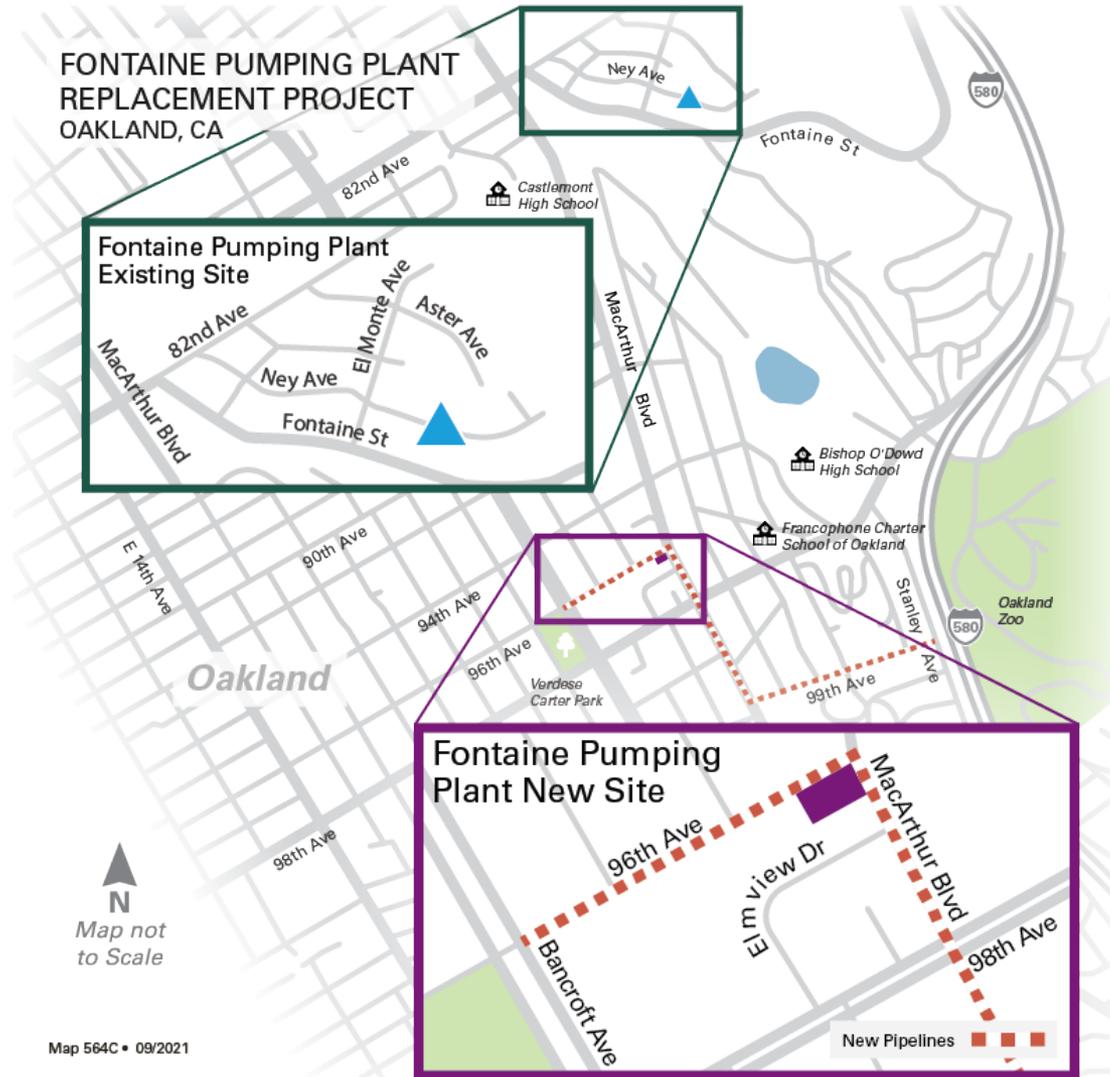
Fontaine Pumping Plant



Treated Water Distribution System



Project Location



Existing Fontaine Pumping Plant Site – Project Benefits



- Replace existing aging pumping plant that has electrical and mechanical deficiencies
- Locate new pumping plant out of historical landslide zone
- Locate new pumping plant away from Hayward earthquake fault

New Fontaine Pumping Plant Site



New Fontaine Pumping Plant Site



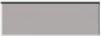
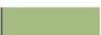
Existing street view from MacArthur Boulevard facing South



New Fontaine Pumping Plant - Site Plan



LEGEND

-  NEW GRASS CELL PAVING
-  NEW AC PAVING
-  NEW CONCRETE PAVING
-  NEW PLANTING AREA
-  NEW DG PAVING
-  PROPERTY LINE

ACRONYMS

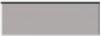
- (E) EXISTING
- DG DECOMPOSED GRANITE
- AC ASPHALT PAVING
- TYP TYPICAL



New Fontaine Pumping Plant - Site Plan

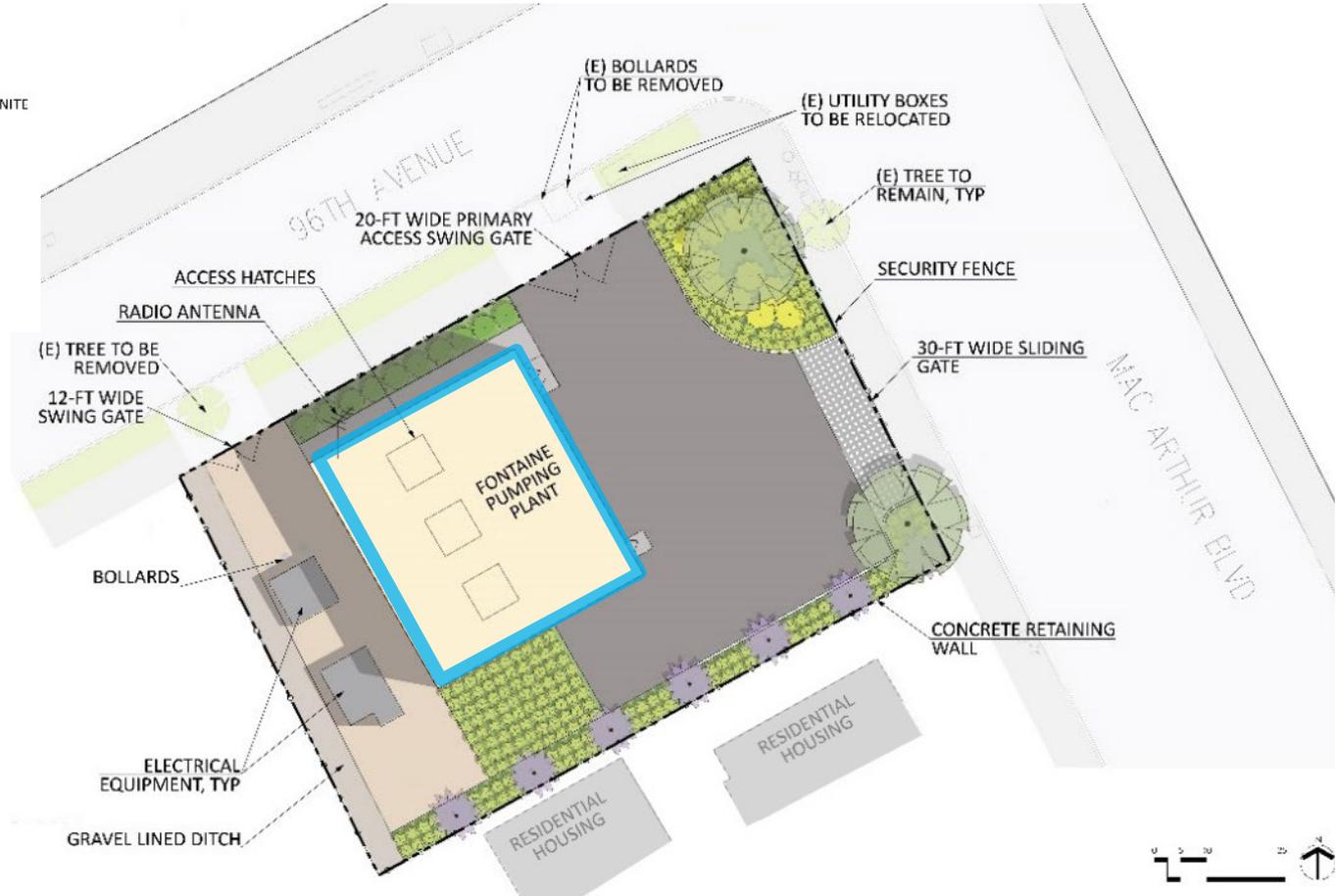


LEGEND

-  NEW GRASS CELL PAVING
-  NEW AC PAVING
-  NEW CONCRETE PAVING
-  NEW PLANTING AREA
-  NEW DG PAVING
-  PROPERTY LINE

ACRONYMS

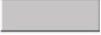
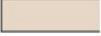
- (E) EXISTING
- DG DECOMPOSED GRANITE
- AC ASPHALT PAVING
- TYP TYPICAL



New Fontaine Pumping Plant - Site Plan



LEGEND

-  NEW GRASS CELL PAVING
-  NEW AC PAVING
-  NEW CONCRETE PAVING
-  NEW PLANTING AREA
-  NEW DG PAVING
-  PROPERTY LINE

ACRONYMS

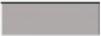
- (E) EXISTING
- DG DECOMPOSED GRANITE
- AC ASPHALT PAVING
- TYP TYPICAL



New Fontaine Pumping Plant - Site Plan

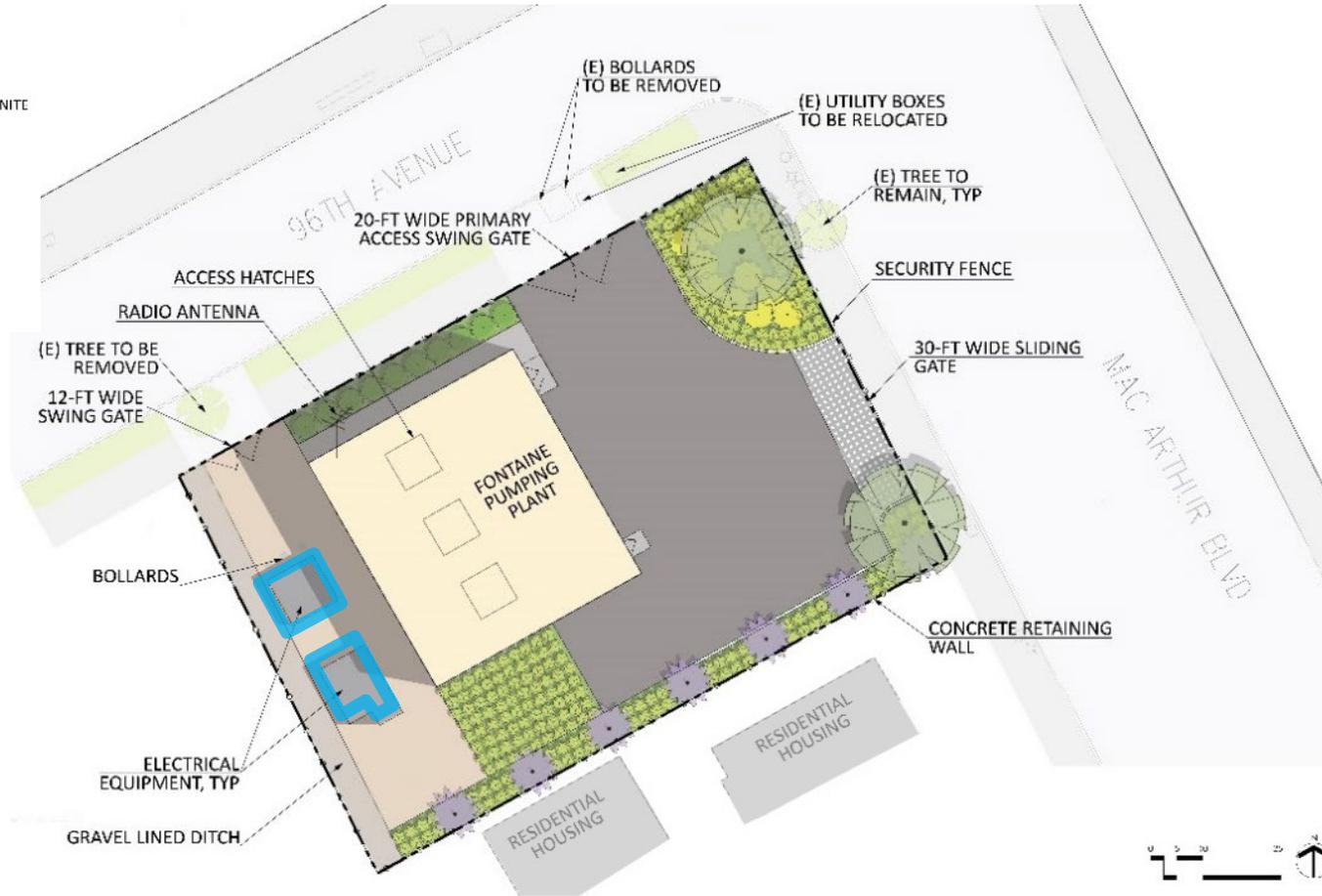


LEGEND

-  NEW GRASS CELL PAVING
-  NEW AC PAVING
-  NEW CONCRETE PAVING
-  NEW PLANTING AREA
-  NEW DG PAVING
-  PROPERTY LINE

ACRONYMS

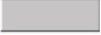
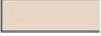
- (E) EXISTING
- DG DECOMPOSED GRANITE
- AC ASPHALT PAVING
- TYP TYPICAL



New Fontaine Pumping Plant - Site Plan



LEGEND

-  NEW GRASS CELL PAVING
-  NEW AC PAVING
-  NEW CONCRETE PAVING
-  NEW PLANTING AREA
-  NEW DG PAVING
-  PROPERTY LINE

ACRONYMS

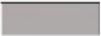
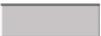
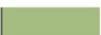
- (E) EXISTING
- DG DECOMPOSED GRANITE
- AC ASPHALT PAVING
- TYP TYPICAL



New Fontaine Pumping Plant - Site Plan

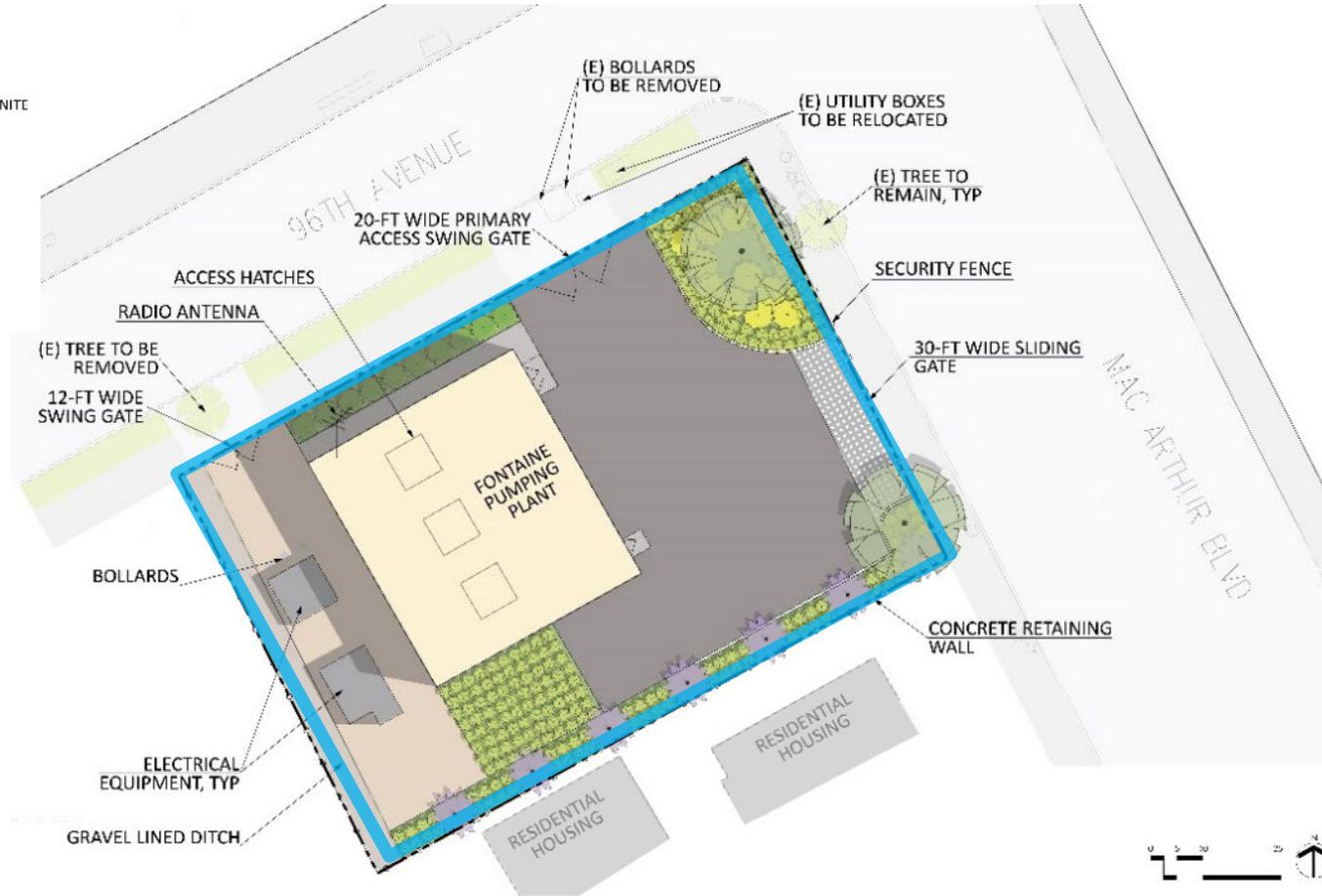


LEGEND

-  NEW GRASS CELL PAVING
-  NEW AC PAVING
-  NEW CONCRETE PAVING
-  NEW PLANTING AREA
-  NEW DG PAVING
-  PROPERTY LINE

ACRONYMS

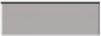
- (E) EXISTING
- DG DECOMPOSED GRANITE
- AC ASPHALT PAVING
- TYP TYPICAL



New Fontaine Pumping Plant - Site Plan

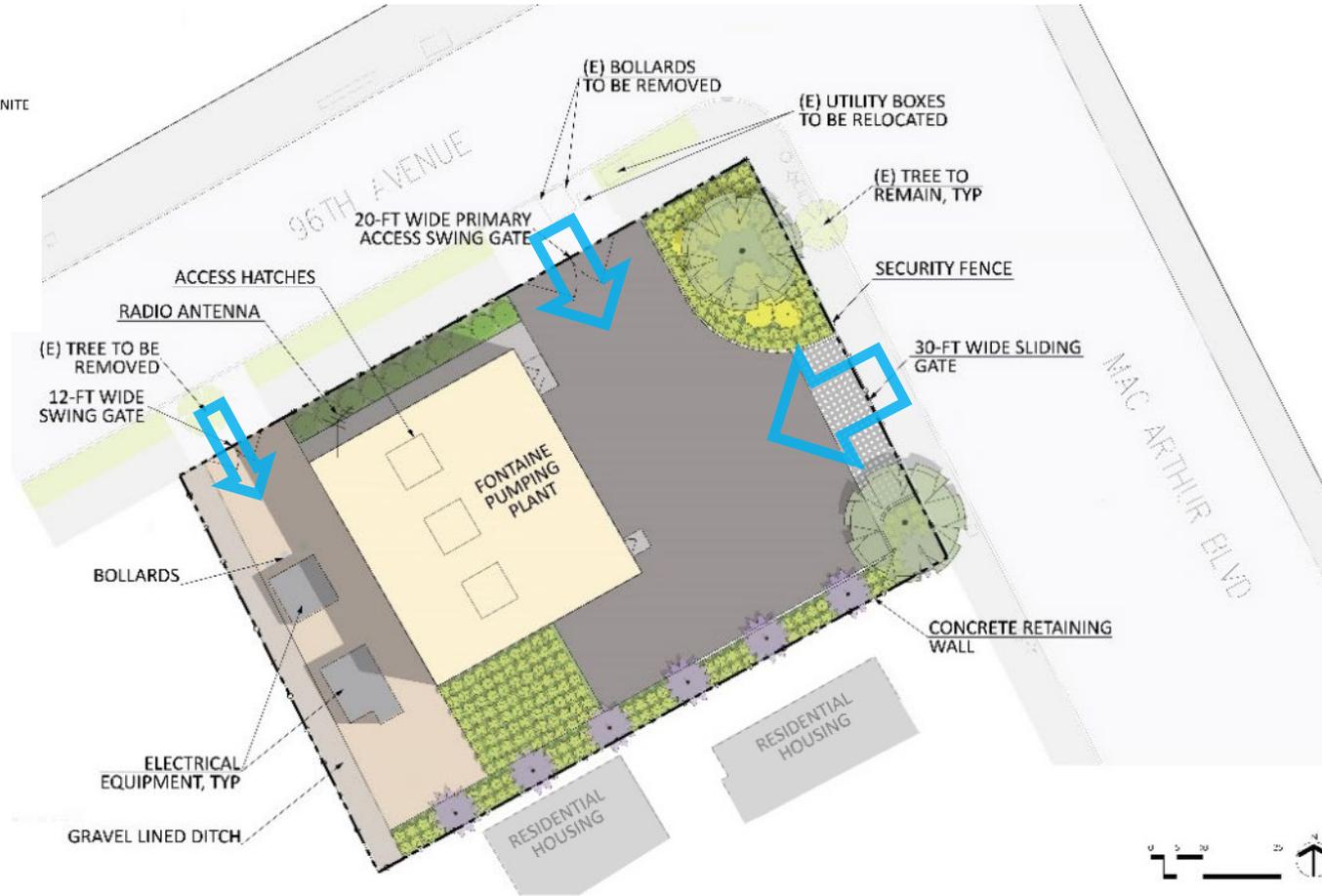


LEGEND

-  NEW GRASS CELL PAVING
-  NEW AC PAVING
-  NEW CONCRETE PAVING
-  NEW PLANTING AREA
-  NEW DG PAVING
-  PROPERTY LINE

ACRONYMS

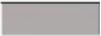
- (E) EXISTING
- DG DECOMPOSED GRANITE
- AC ASPHALT PAVING
- TYP TYPICAL



New Fontaine Pumping Plant - Site Plan

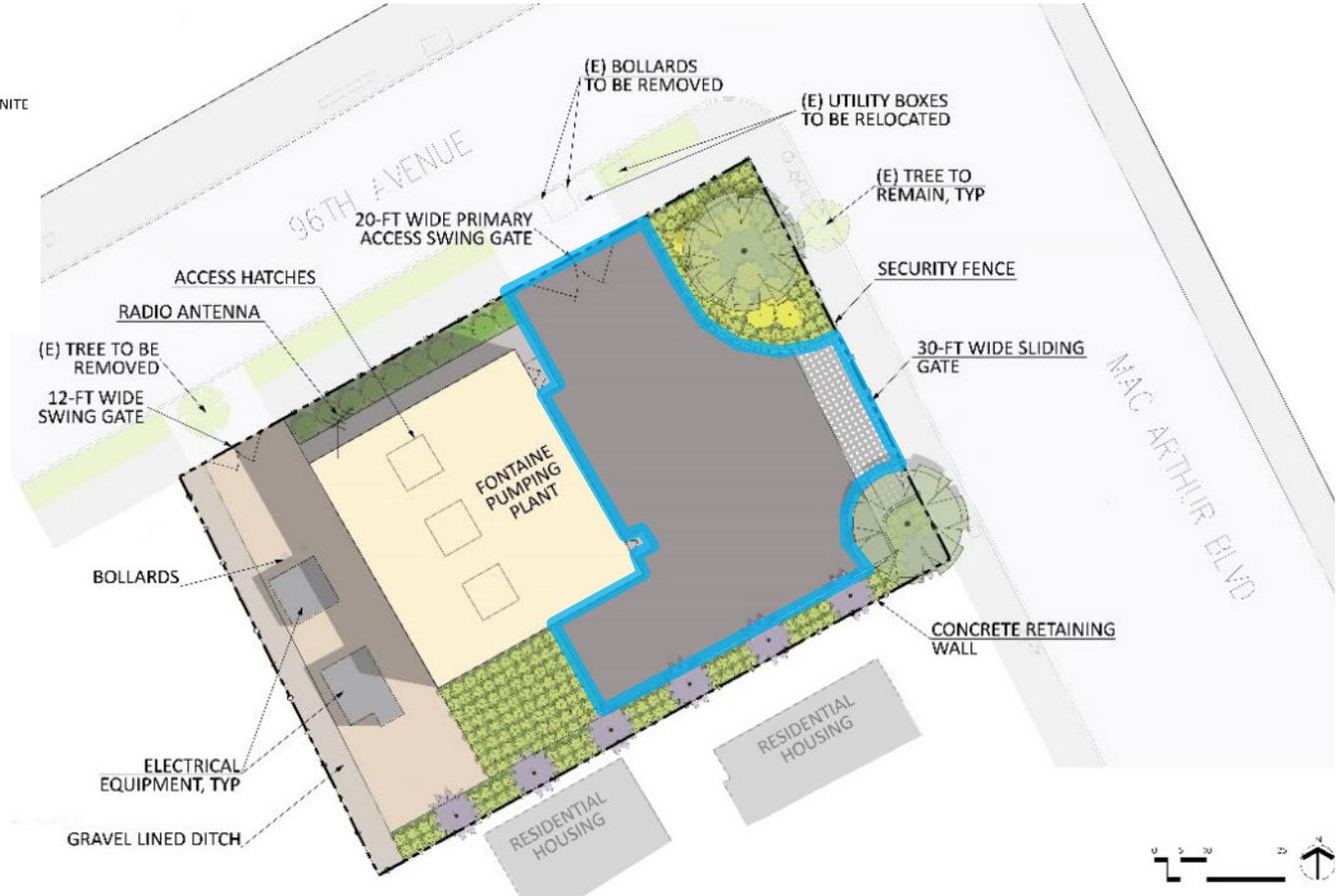


LEGEND

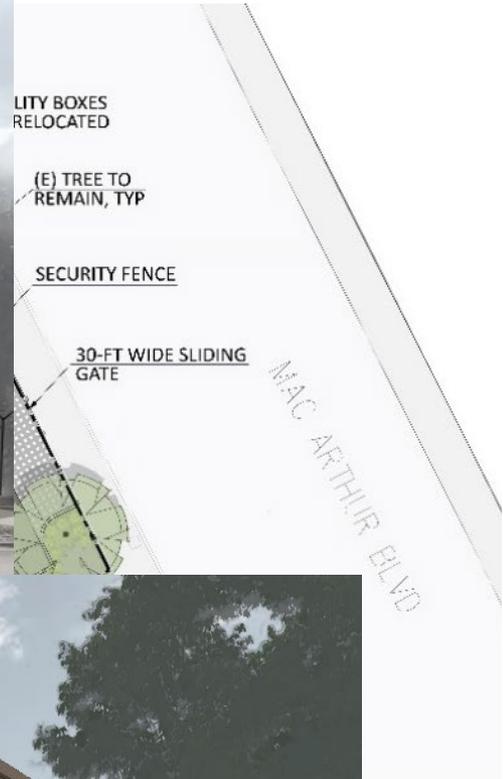
-  NEW GRASS CELL PAVING
-  NEW AC PAVING
-  NEW CONCRETE PAVING
-  NEW PLANTING AREA
-  NEW DG PAVING
-  PROPERTY LINE

ACRONYMS

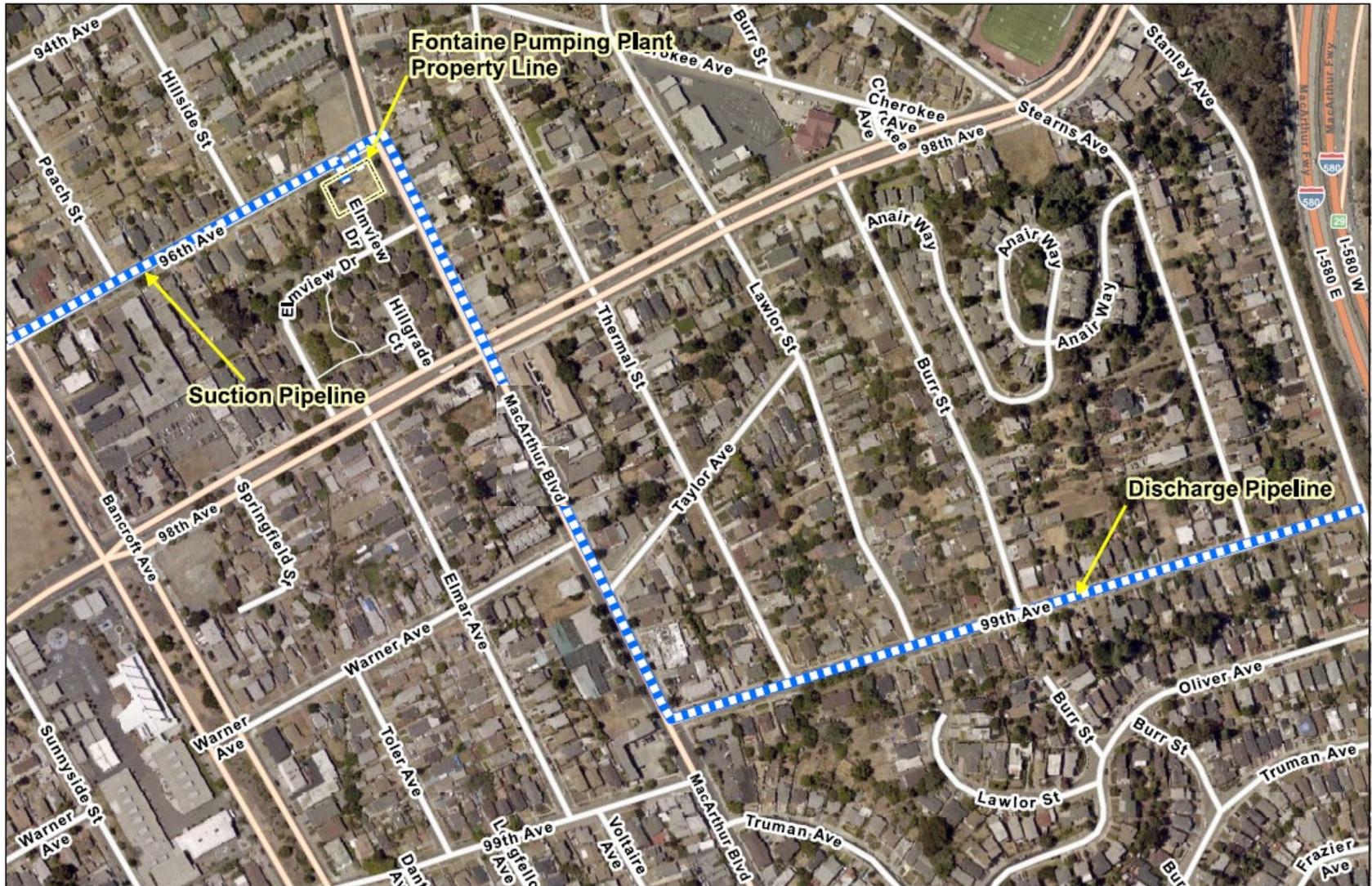
- (E) EXISTING
- DG DECOMPOSED GRANITE
- AC ASPHALT PAVING
- TYP TYPICAL



New Fontaine Pumping Plant - Site Plan



New Fontaine Pumping Plant - Pipelines



Existing Fontaine Pumping Plant Demolition

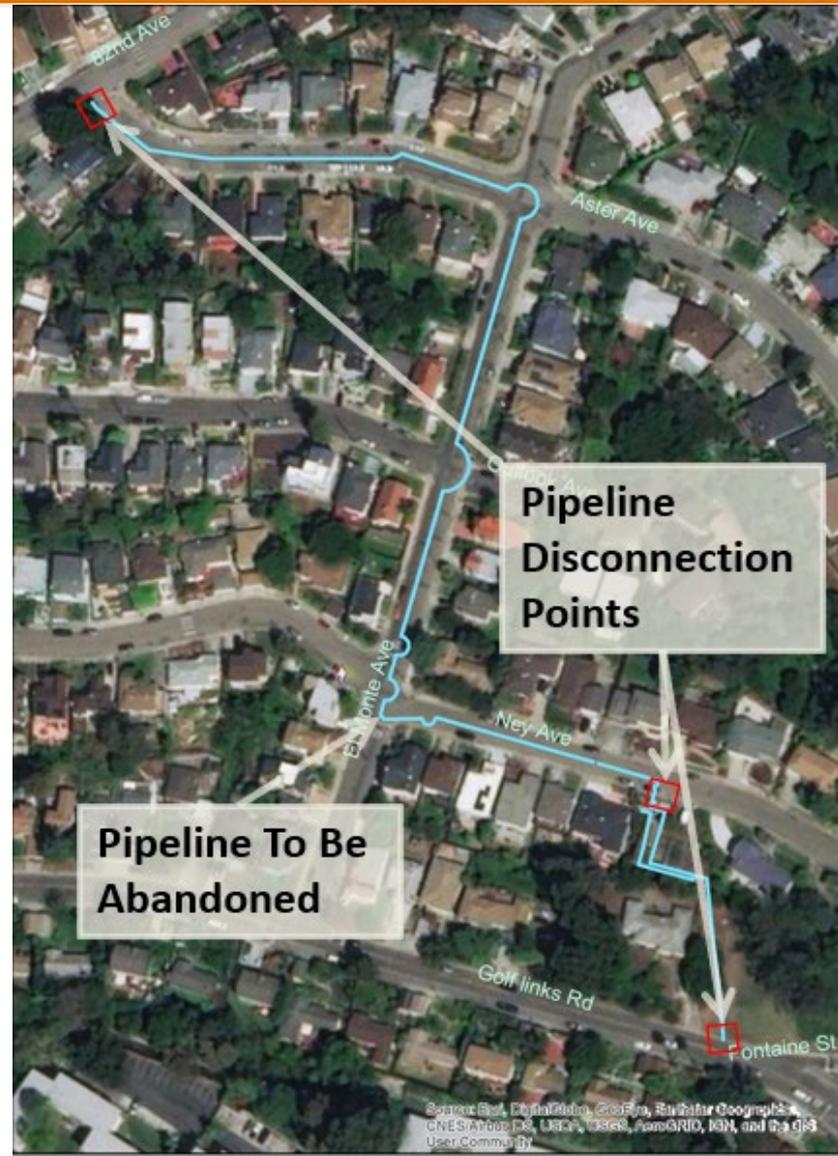


- Demolish existing PP after New PP and pipelines in service
- Construct retaining wall or reuse existing building wall



Existing Pipeline Abandonment

- Approximately 2,100 feet of suction and discharge pipelines will be abandoned in place



MND Analysis Results



Environmental Factors	Less than Significant	Less than Significant with Mitigation
Aesthetics		✓
Air Quality	✓	
Biological	✓	
Cultural	✓	
Energy	✓	
Geology & Soils	✓	
Greenhouse Gas Emissions	✓	
Hazards & Hazardous Materials	✓	
Hydrology & Water Quality	✓	
Noise	✓	
Transportation		✓
Tribal Cultural	✓	

EBMUD Standard Practices & Procedures



- **Project Safety Requirements.** Provisions for the safety of the public and construction workers regarding hazards and hazardous materials
- **Environmental Requirements.** Provisions related to water quality, dust and emissions control, noise monitoring, hazardous materials control, and protection of biological and cultural resources
- **Work Restrictions.** Limits on construction hours and on noise generating activities
- **Traffic Regulation.** Provisions for the regulation of traffic during construction and compliance with applicable traffic regulations
- **Maintain Clean Site.** Compliance with local ordinances and anti-pollution laws and that the construction site be kept free of waste materials and rubbish

Aesthetics

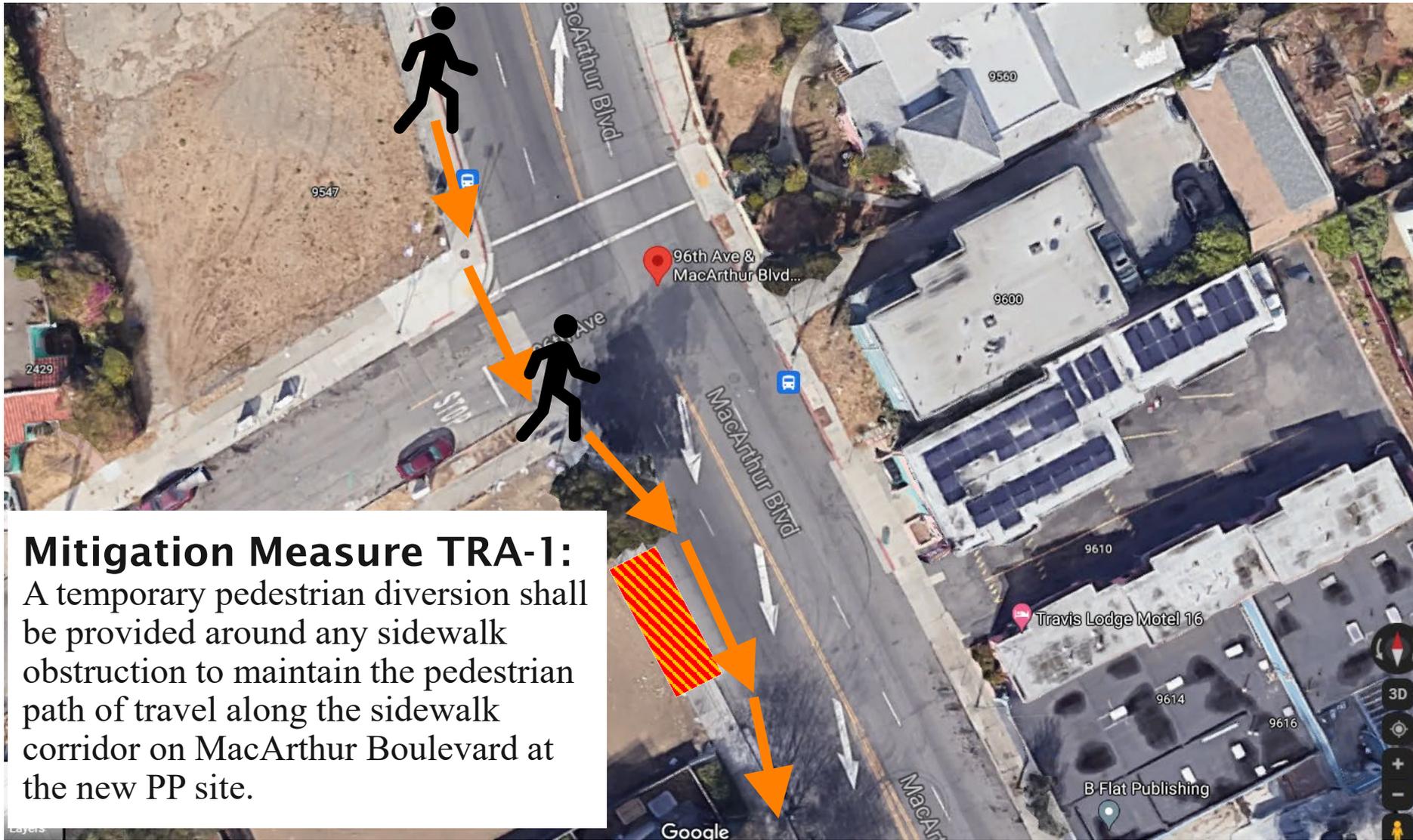


Mitigation Measure AES-1:

Stationary lighting used during nighttime construction (if required) shall be shielded and directed downward or oriented such that the light source is not directed toward residential areas or into streets.



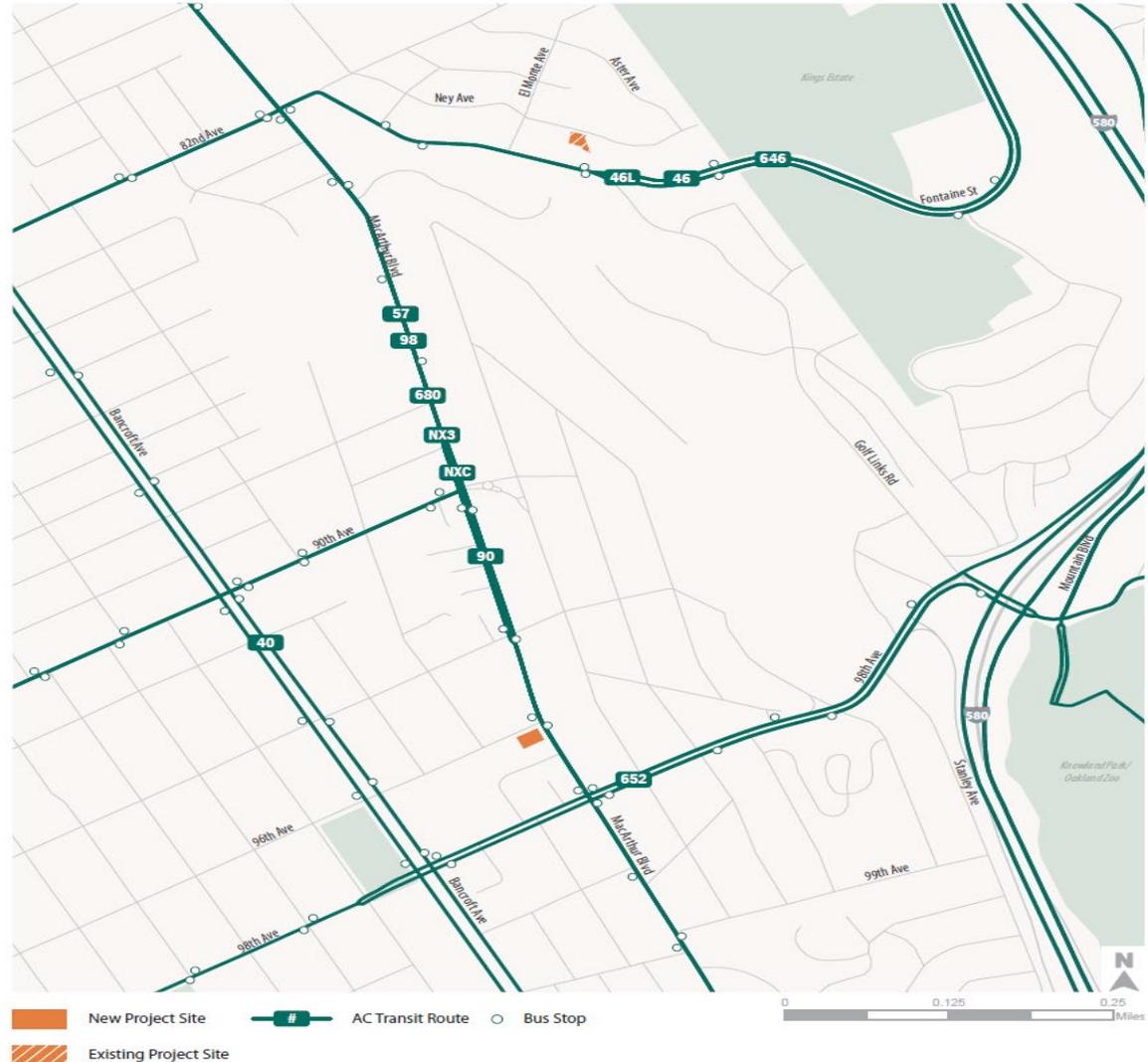
Transportation



Transportation



Mitigation Measure TRA-2: EBMUD shall coordinate with and obtain written approval from AC transit and OakDOT for the temporary relocation or closure of any bus stops along Golf Links Road and along MacArthur Boulevard



Next Steps



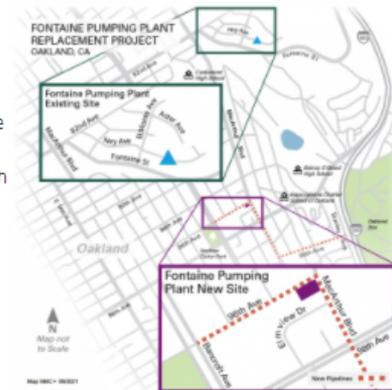
- Draft MND Public Review
 - October 14, 2021 to November 15, 2021
- Community Meeting
 - October 27, 2021
- Board Consider Project & Adopt Final MND
 - May 2022
- Design
 - 2026 to 2027
- Construction
 - 2028 to 2030

Fontaine PP Replacement Project

VIRTUAL COMMUNITY MEETING

Please join us for a virtual community meeting on October 27 at 6 p.m. via Zoom. A link will be posted here prior to the meeting.

EBMUD is planning to construct a new pumping plant (PP) and rate control stations (RCS) on EBMUD-owned property located at 9601 MacArthur Boulevard in Oakland to replace the existing Fontaine PP located at 8445 Ney Avenue in Oakland. The Fontaine PP is a critical pumping plant that provides drinking water to customers in parts of Oakland, Castro Valley, Hayward, and San Leandro. The existing Fontaine PP has reached the end of its service life and is located on an active landslide near the Hayward Fault. As such, the existing Fontaine PP and associated pipelines are susceptible to damage by a landslide or earthquake. To improve the reliability of water service to EBMUD's customers, the Fontaine PP will be replaced at the new site and connected to the distribution system with 4,750 feet of 30-inch pipeline in 96th Avenue, MacArthur Boulevard, and 99th Avenue. The new pumping plant will have the same capacity as the existing pumping plant. Upon construction completion and successful testing of the new PP, pipelines and RCS, the existing PP would be demolished and approximately 2,100 feet of existing buried pipelines would be abandoned in place. Construction is expected to occur between 2028 and 2030.



Workplan and Schedule

The overall workplan and schedule is as follows:

- Notice of Intent (NOI) to adopt a Mitigated Negative Declaration (MND) – October 14, 2021
- Public Meeting to Review Draft MND – October 27, 2021 6:00 p.m.
- Public Comment Period ends – November 15, 2021 4:30 p.m.
- EBMUD Board Consideration of Final MND – May 2022

Published studies and other resources

Document	Type	Size
Fontaine Pumping Plant Replacement Project Draft Mitigated Negative Declaration	 PDF	6.0 MB
Fontaine Pumping Plant Replacement Project Final Aesthetics Conceptual Design Report	 PDF	3.7 MB
Fontaine Pumping Plant Replacement Project Final Air Quality Technical Report	 PDF	12.4 MB
Fontaine Pumping Plant Replacement Project Final Greenhouse Gas Technical Report	 PDF	2.5 MB
Fontaine Pumping Plant Replacement Project Final Hazards and Hazardous Materials Technical Report	 PDF	4.7 MB
Fontaine Pumping Plant Replacement Project Final Transportation and Traffic Technical Report	 PDF	6.6 MB
Fontaine Pumping Plant Replacement Project Final Noise Technical Report	 PDF	6.7 MB
Powerpoint Slides at Virtual Community Meeting June 23, 2020	 PDF	10.4 MB
Fontaine Pumping Plant Replacement Project Map	 PDF	<1 MB

MND Availability and Comment Period Deadline



- MND is available:
 - www.ebmud.com/FontainePP
 - Oakland Public Library (Main Branch)
- Draft MND comments due by 4:30 p.m. November 15, 2021:
 - FontainePP@ebmud.com
 - Dan Jones, Project Manager
375 Eleventh Street, MS 701
Oakland, CA 94607-4240
- Send general questions about EBMUD:
 - Laura Luong, Community Affairs Representative
laura.luong@ebmud.com
(510) 287-0140

THANK YOU