EAST BAY MUNICIPAL UTILITY DISTRICT

DSRSD/EBMUD Recycled Water Authority Side Agreement

Planning Committee
December 14, 2021

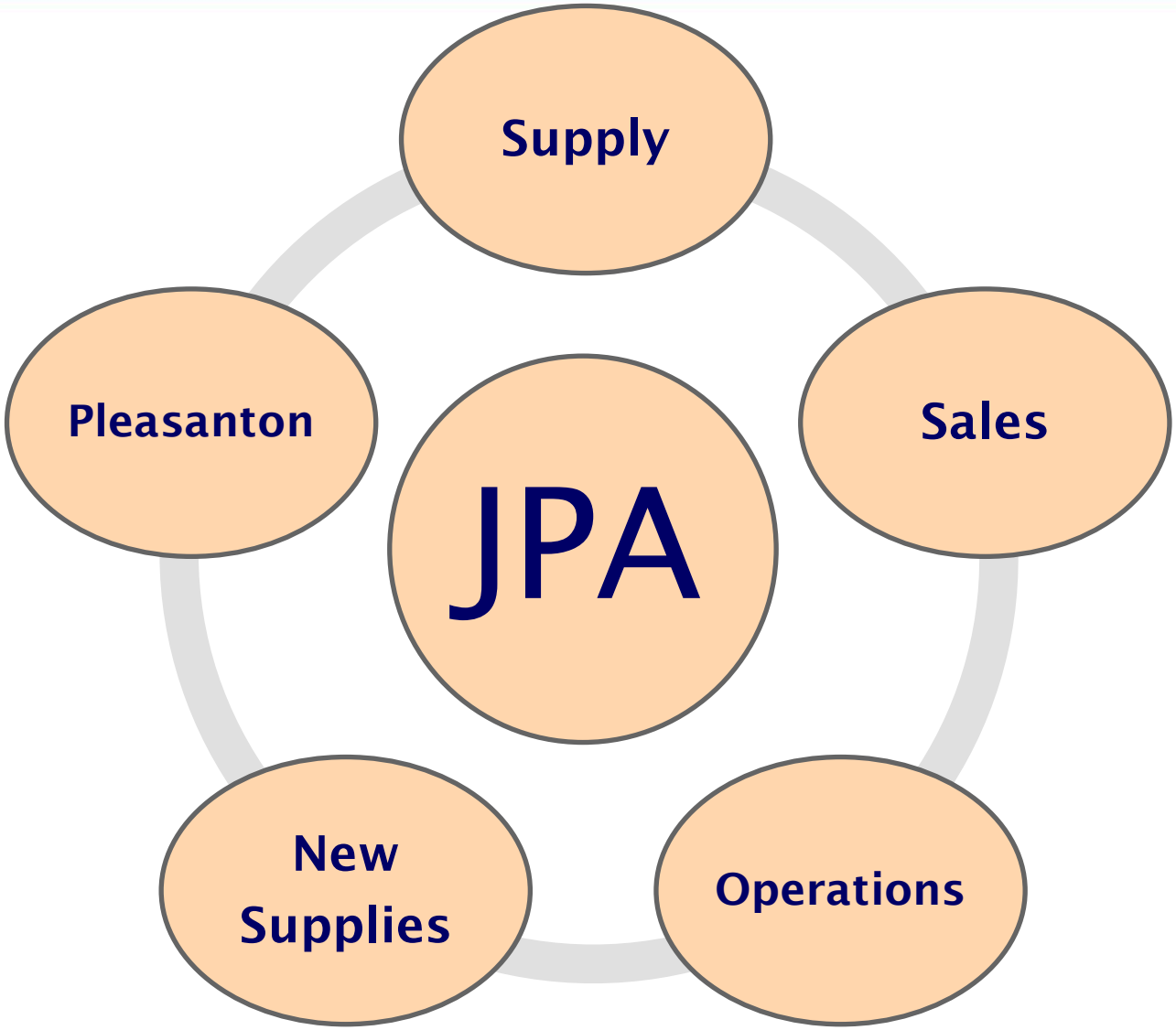
Agenda

- DERWA Overview
- Existing JPA Agreements
- Key Issues
- Side Agreement Framework
- Timeline

DERWA Overview

- Dublin San Ramon Services District – East Bay Municipal Utility District Recycled Water Authority formed in 1995
- Provides recycled water for landscape irrigation to customers in San Ramon, Danville, Dublin and Pleasanton
- Multiple agreements are currently in place

Existing Agreements



Key JPA Agreement Issues

- Supply
- Capacity rights
- Reconciliation
- Value of Secondary Effluent
- JPA Structure

Pause Period

- 3-Year Pause with Side Agreement
  - Demands anticipated to remain flat
  - Operational experience with CCCSD flow diversion
- Negotiation to update JPA to restart in beginning of Year 3
  - Final revisions completed by end of Year 3

Actions During Pause Period

- Monitor Regulations (WW discharge/ nutrients and potable reuse)
- Monitor key supply efforts and decisions
- Implement Demand Management Strategies
- Review WW flow trends
- Track CCCSD's water recycling initiatives

Side Agreement Key Components

- Continue Connection Moratorium
- Implement Demand Management
- Address Recycled Water Shortages
- No Charge for Secondary Effluent
- Pursue Supplemental Supplies
- Tri-Valley Joint Residential Fill Station Impacts
- No Changes to JPA Membership Structure
- Establish Principles for Future Agreement Negotiations

Timeline

2021-22	2021-2024	2024
Prepare Side Agreement for Board consideration in March 2022	Evaluate regulations, supply options, implement demand management strategies	Restart Negotiations on JPA agreements

Questions

EAST BAY MUNICIPAL UTILITY DISTRICT

Oakland Inner Harbor Pipeline Crossing

Planning Committee

December 14, 2021

Agenda

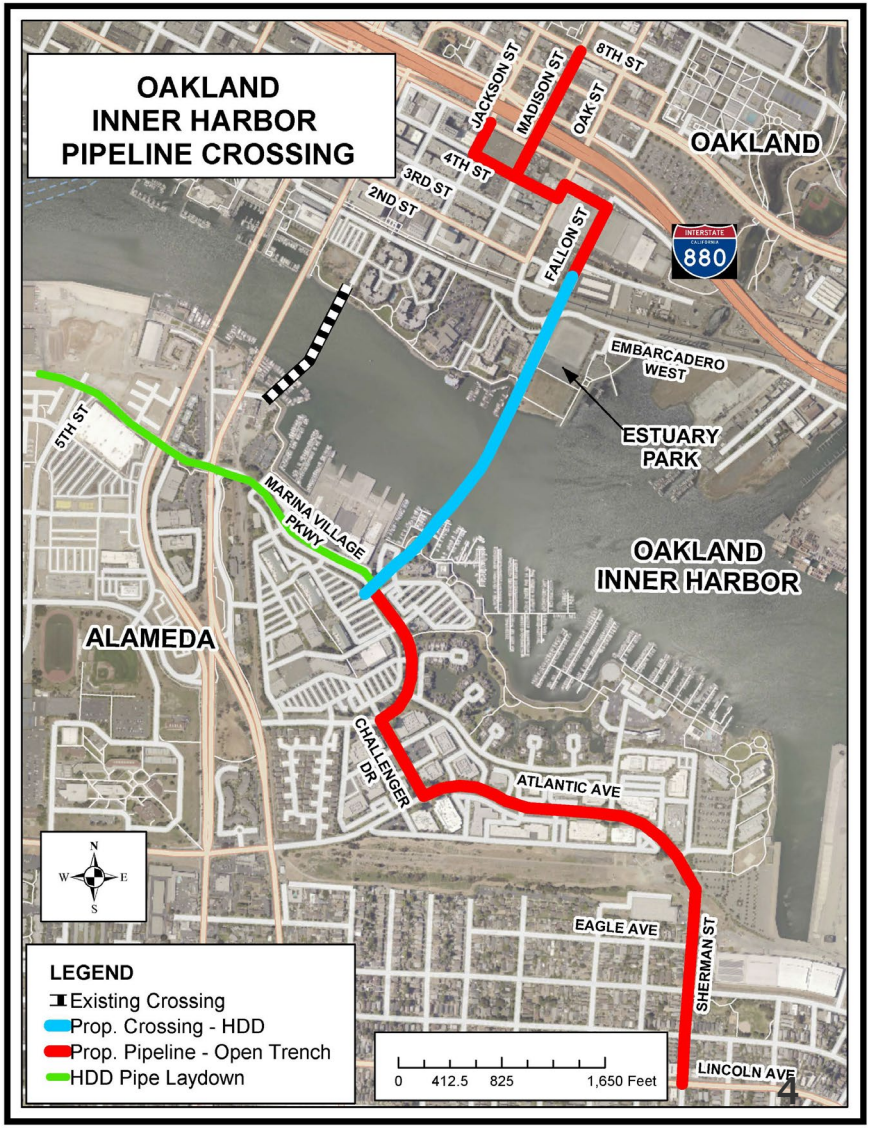
- Overview
- Pipeline Location and Staging Areas
- Outreach, Permits & Easements
- Next Steps
- Questions

Alameda Bay Farm Island Master Plan

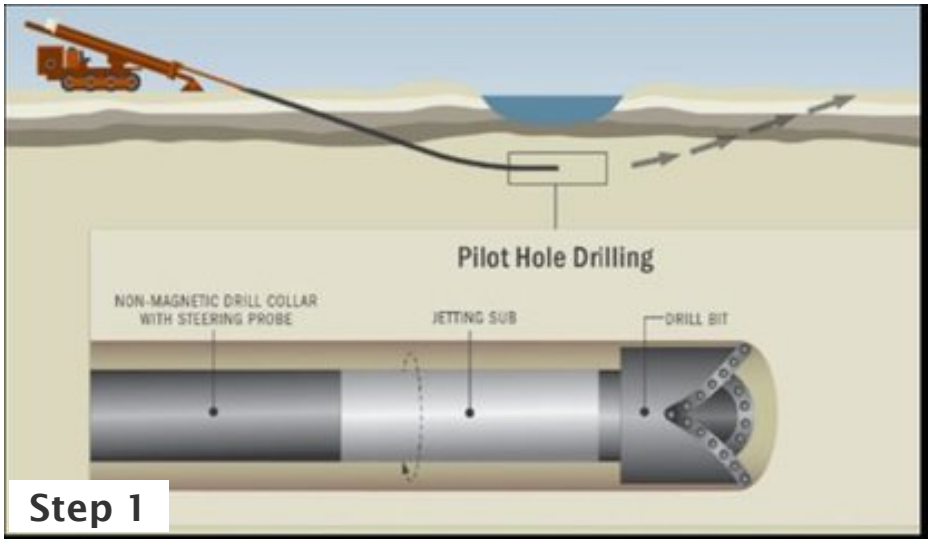
- Purpose
  - –Ensure long-term reliability
  - –Meet existing & future demands
  - –Replace aging infrastructure
- Master Plan: Nov 2014
- EIR: Dec 2016

Project Overview

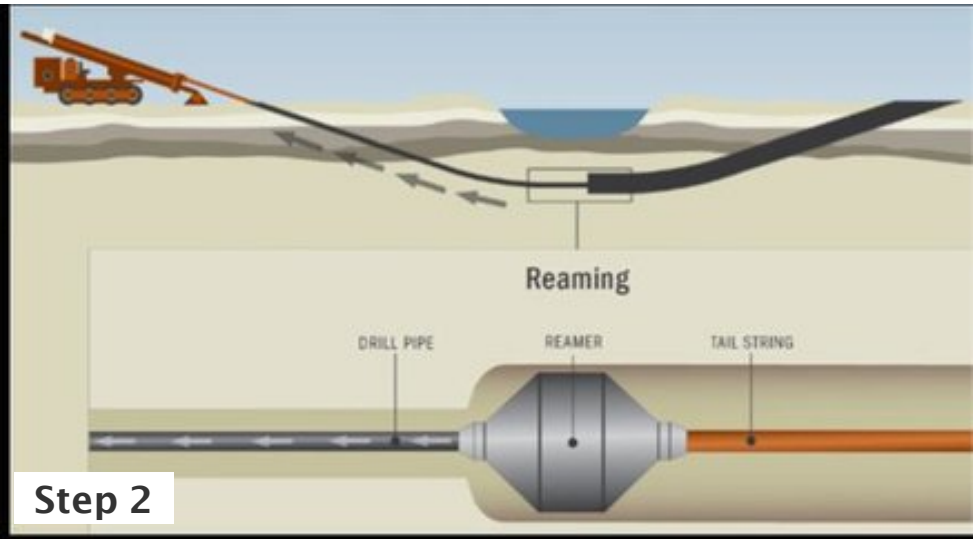
- Horizontal Direction Drill (HDD) Crossing
  - 3,000 ft. of 32” HDPE under the Oakland Inner Harbor
  - Pipeline laydown along Marina Village Pkwy.
- Open Trench
  - 3,500 ft. of 24” pipe in Oakland
  - 6,400 ft. of 24” pipe in Alameda
- Abandon Existing Crossing
- Construction Cost $32 to $34M



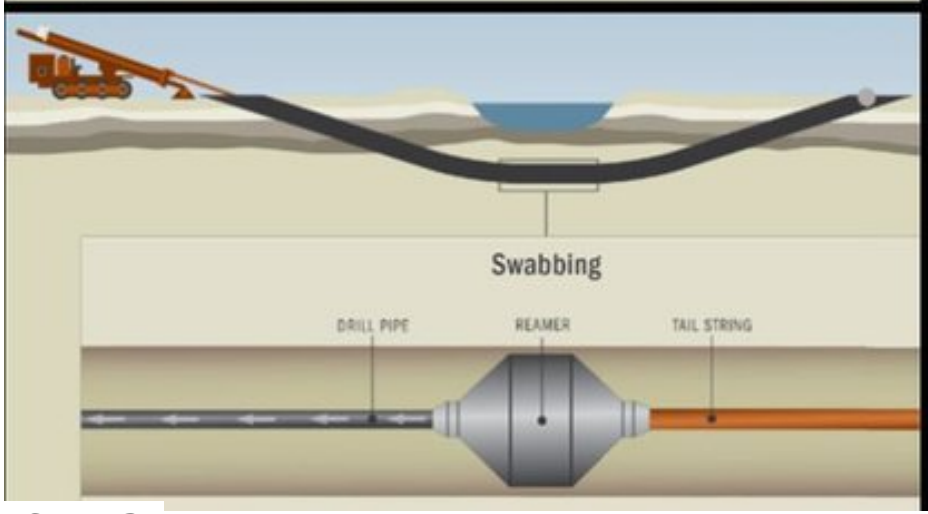
HDD Overview



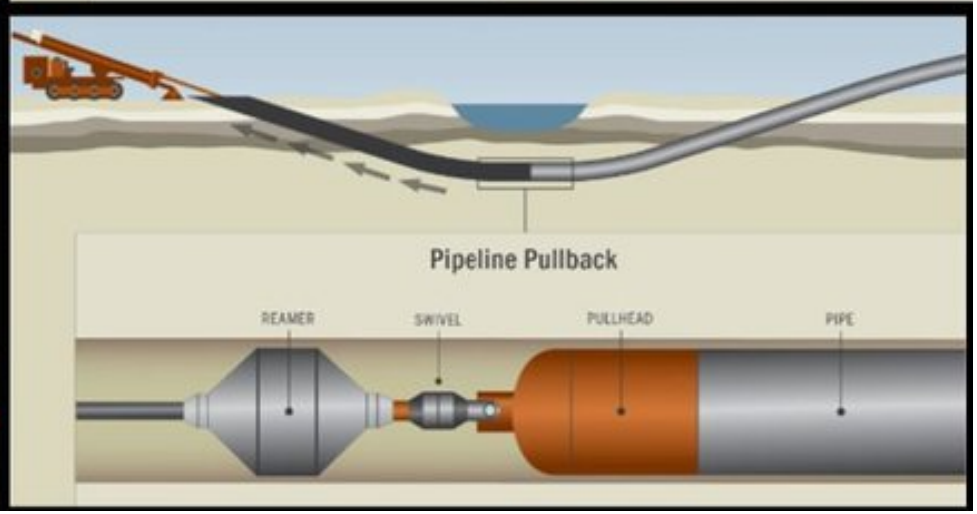
Step 1



Step 2



Step 3



Step 4

HDD Equipment

Power

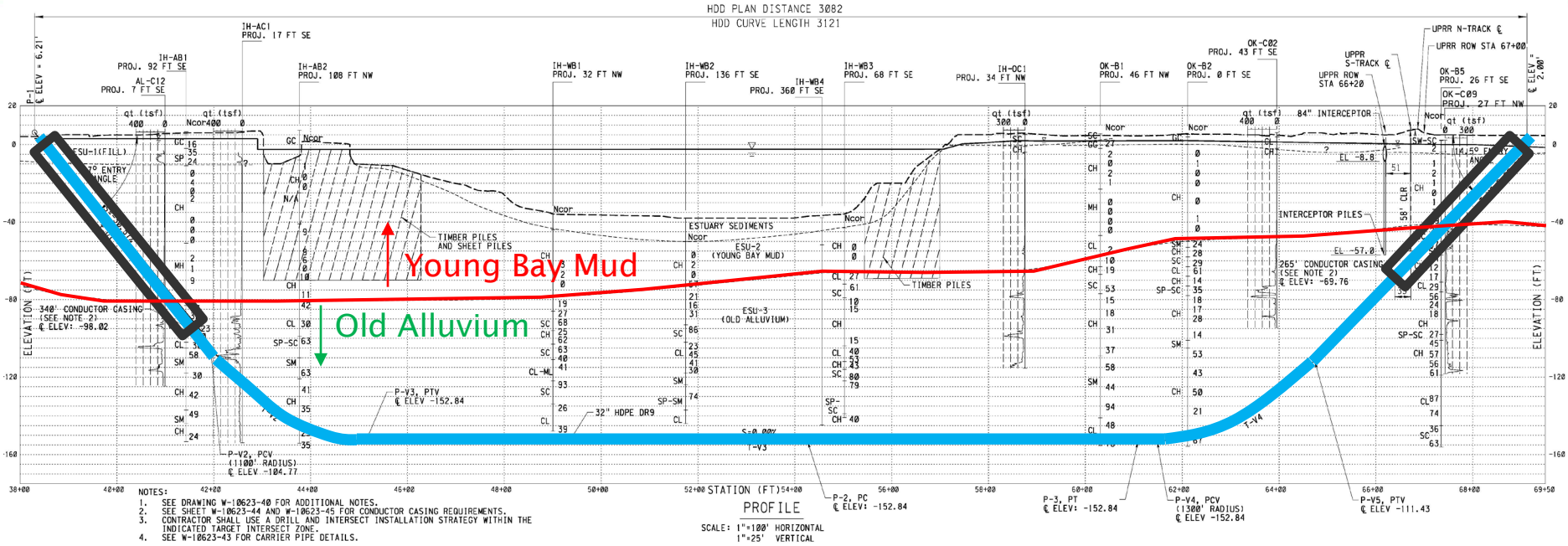
Sound

Barrier

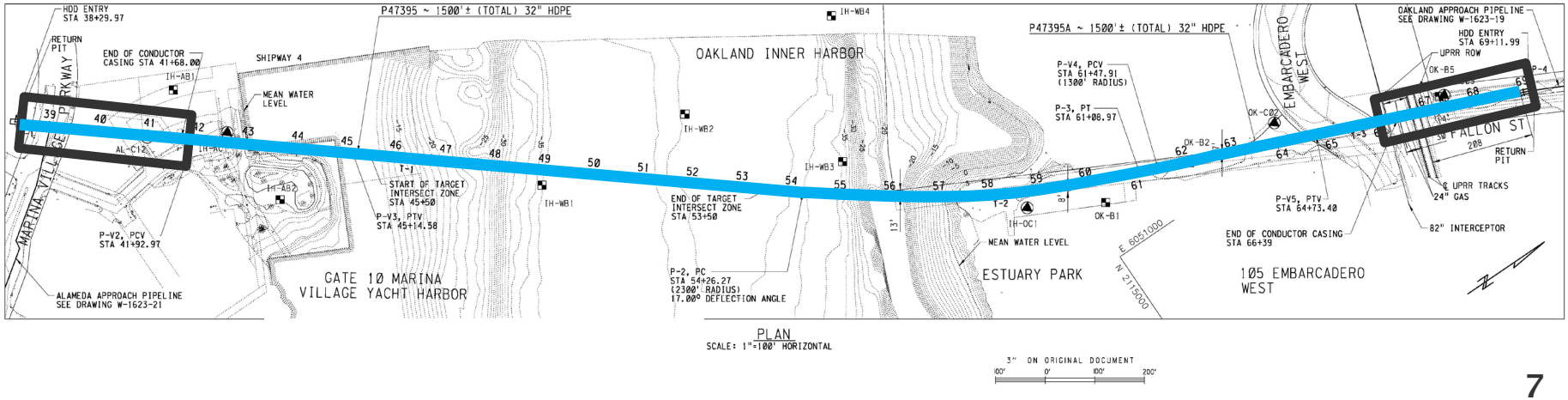
Drill Rods

Drill

Crossing Pipeline

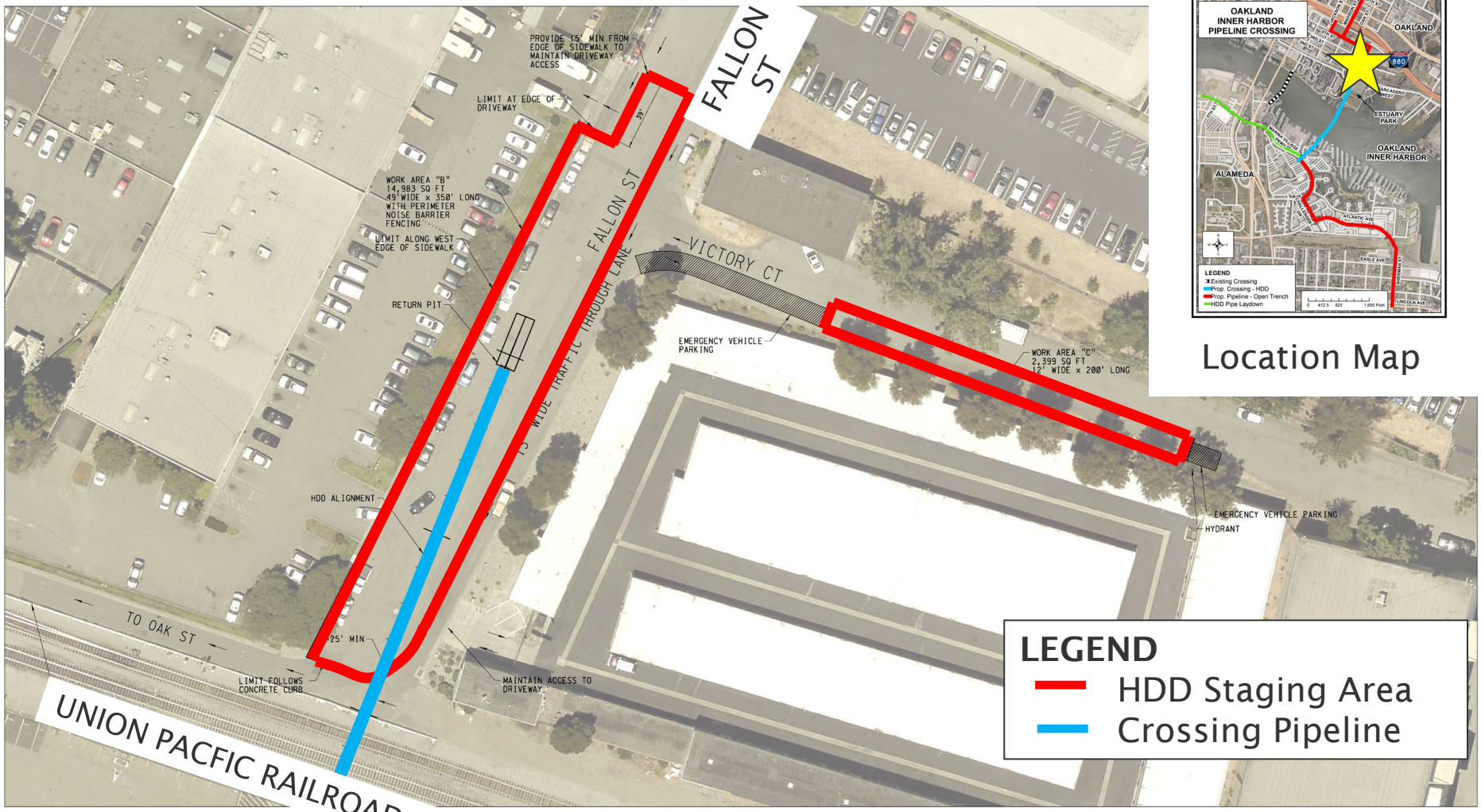


NOTES:
1. SEE DRAWING W-10623-40 FOR ADDITIONAL NOTES.
2. SEE SHEET W-10623-44 AND W-10623-45 FOR CONDUCTOR CASING REQUIREMENTS.
3. CONTRACTOR SHALL USE A DRILL AND INTERSECT INSTALLATION STRATEGY WITHIN THE INDICATED TARGET INTERSECT ZONE.
4. SEE W-10623-43 FOR CARRIER PIPE DETAILS.



Oakland HDD Staging Area

EBMUD



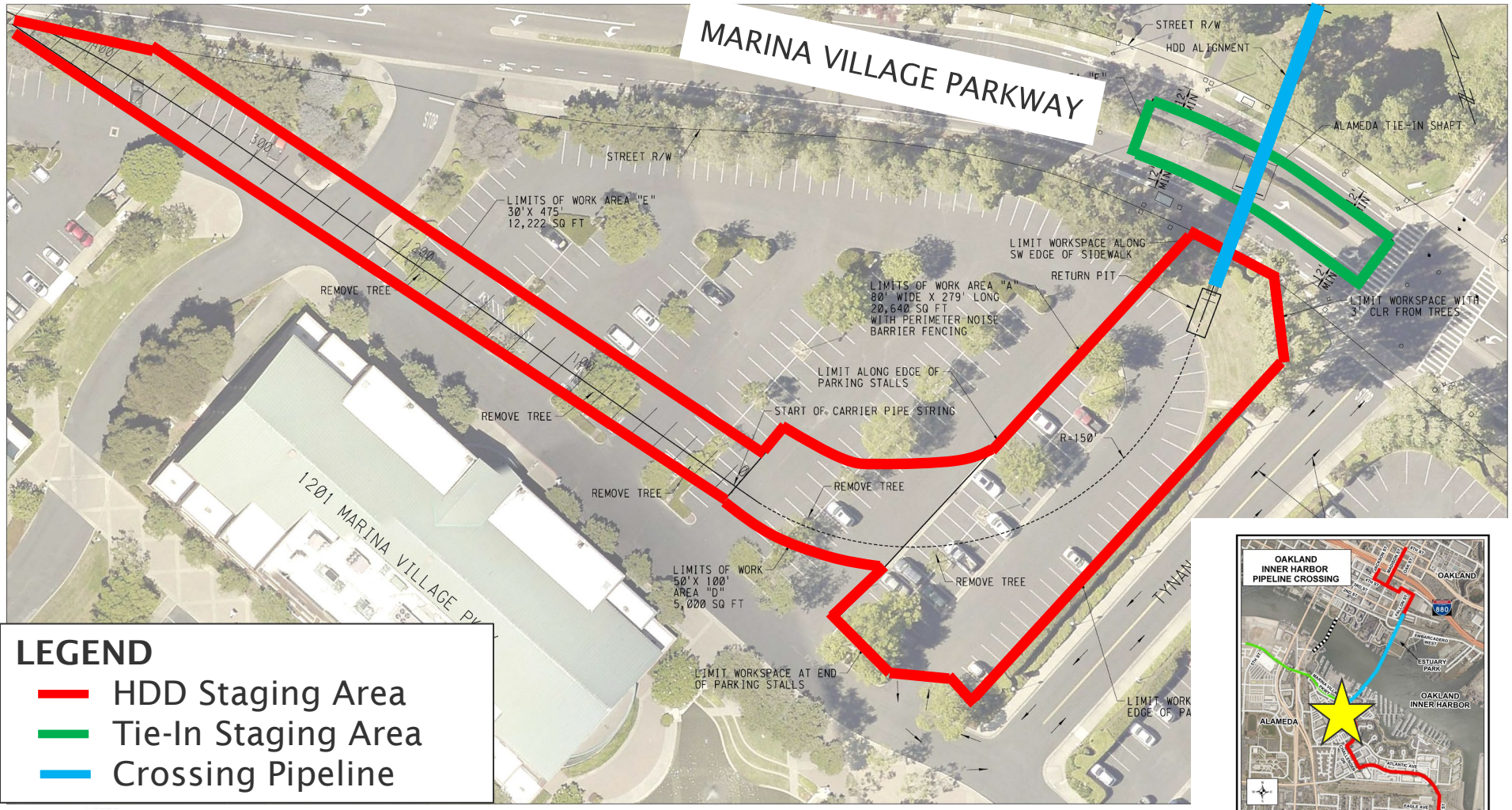
Location Map

WORK AREA AT OAKLAND ENTRY AREA

3" ON ORIGINAL DOCUMENT

25' 0' 25' 50'

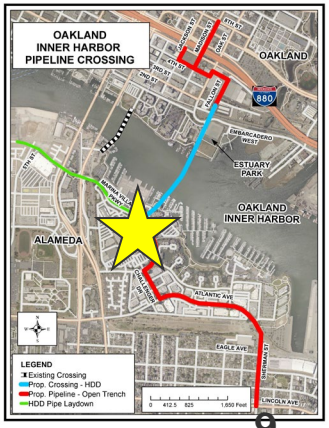
Alameda HDD Staging Area



WORK AREA AT ALAMEDA

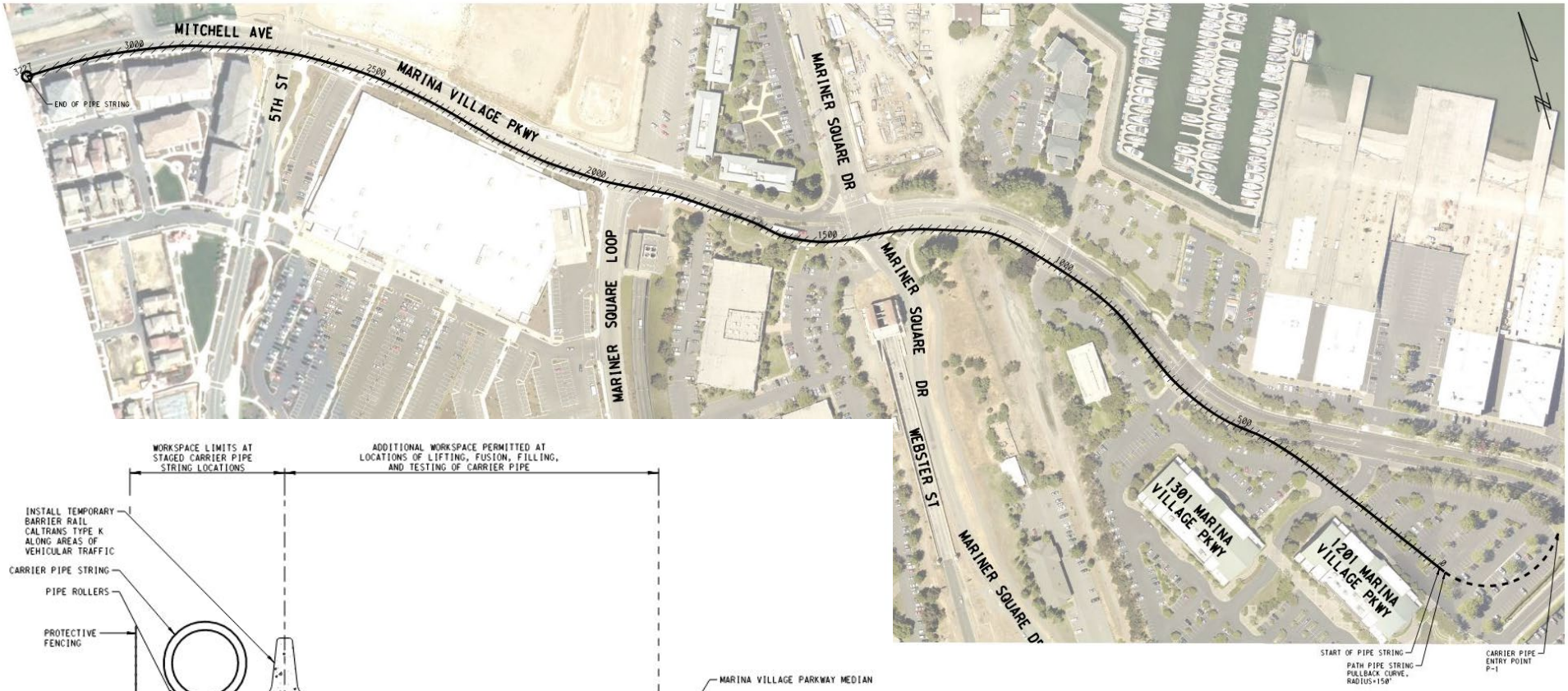
3" ON ORIGINAL DOCUMENT

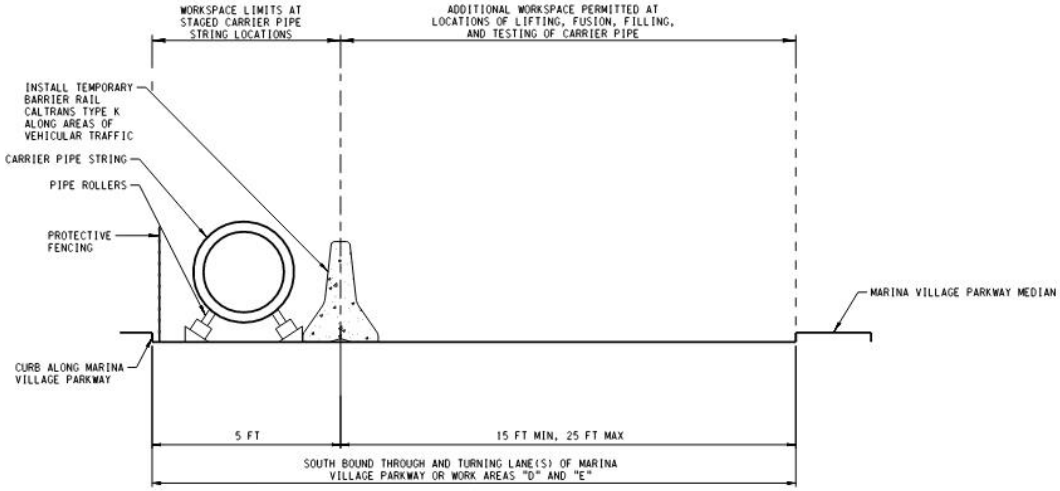
25' 0' 25' 50'



Location Map

Crossing Pipeline Laydown



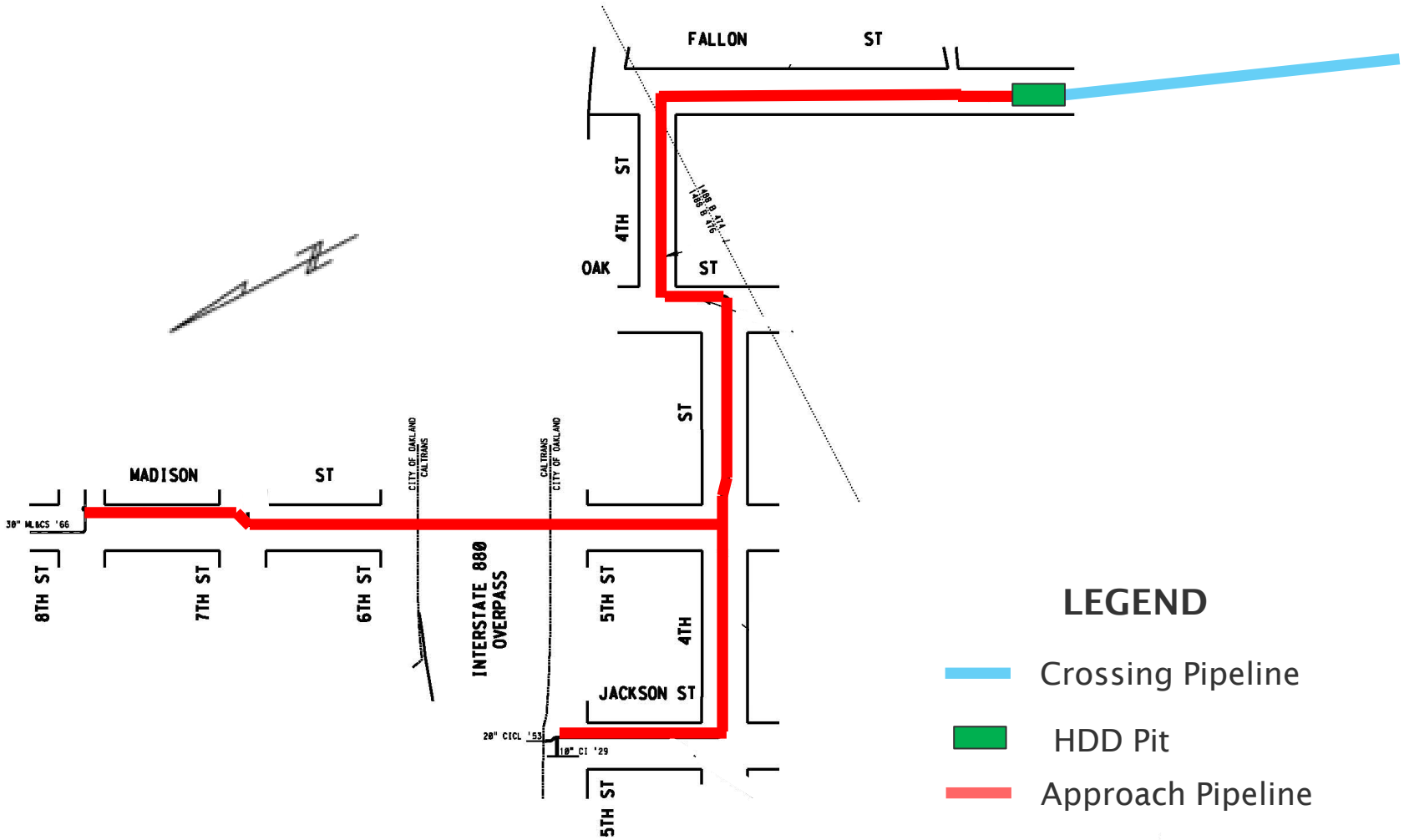


DETAIL A - PIPE STRING WORKSPACE

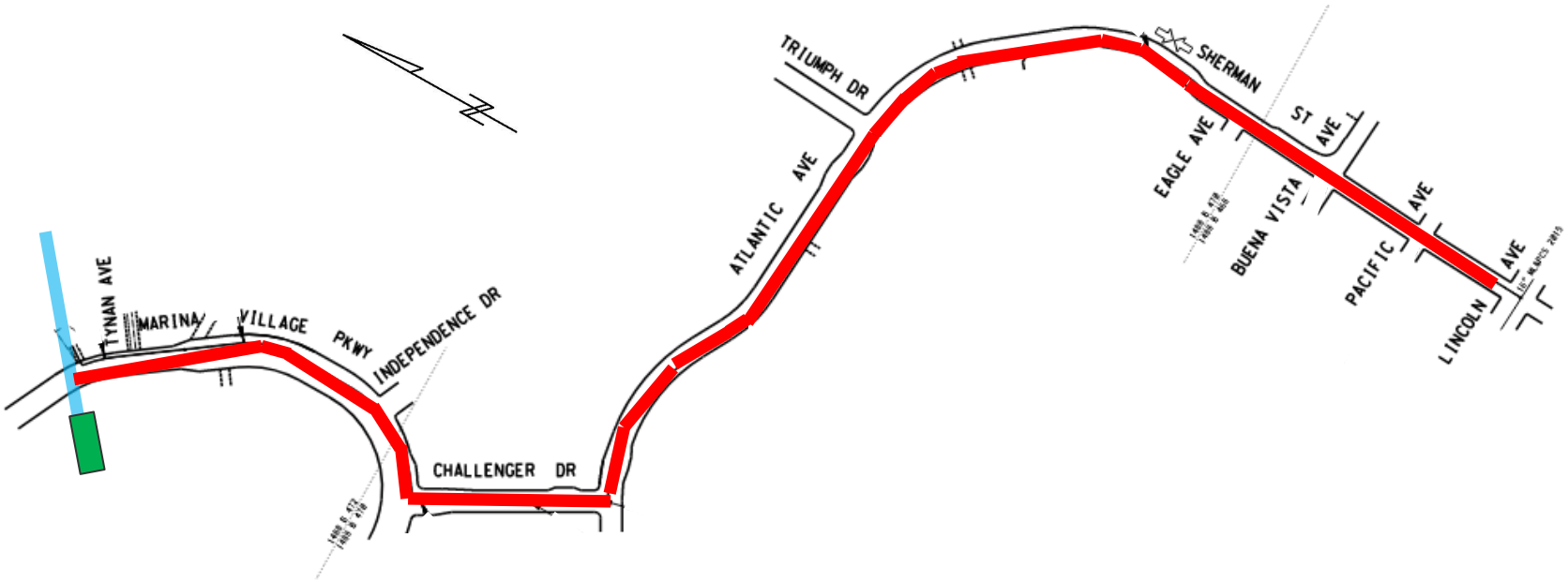
N.T.S.

Pipeline Laydown
Construction & Testing
Duration ~4 weeks

Approach Pipeline - Oakland



Approach Pipeline - Alameda



LEGEND

- Proposed Pipeline
- HDD Pit
- Approach Pipeline

Construction Hours

- Oakland
  - Typical: 7:00am to 5:00pm
  - 9:00am to 4:00pm
    - Along Madison between 8th and 5th
    - Intersection of Jackson and 5th
- Alameda
  - 7:00am to 5:00pm
  - HDD Pullback: continuous 48-hour period during a weekend

City Outreach

- City of Oakland
  - Began in January 2020
  - Coordinated traffic control and paving restoration
- City of Alameda
  - Began in August 2019
  - Coordinated traffic control, paving restoration, and easements

Agency Outreach

Agency	Jurisdiction	Permit Status
Cal OSHA	HDD – Underground Classification	Approved
Caltrans	Highways – Encroachment Permit	Approved
City of Oakland	City Streets – Encroachment Permit	Approved
City of Alameda	City Streets – Encroachment Permit	Approved
SFBCDC	Shoreline - Permit	Pending
SWRCB	Waterway – 401 Permit	Approved
US Army Corps	Waterway – NWP 12 Permit	Approved
Union Pacific RR	Railroad – Crossing Agreement	Approved

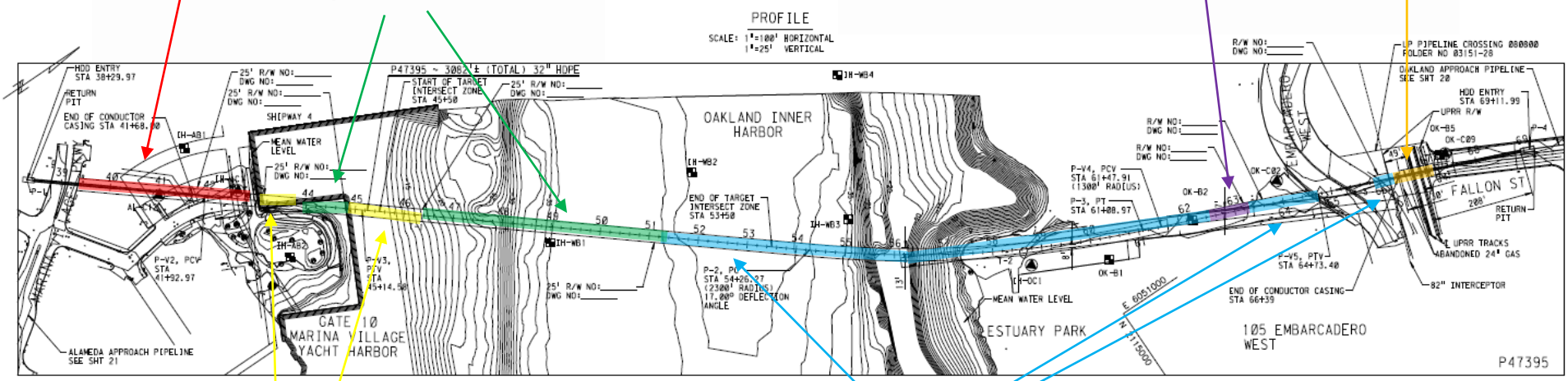
Easements

Marina Village Pkwy Offices

Union Pacific RR

Portobello HOA

City of Alameda



Port of Oakland

SRM Marina

Community Outreach

- Planning Phase
  - Two public meetings in September 2015
  - Two public meetings in July 2016
- Post Design/Pre-Construction Phase
  - Public meeting scheduled after contract award

Next Steps

- Bid Phase – Early 2022
- Award – Spring 2022
- Community Outreach – Spring 2022
- Begin Construction Phase – Summer 2022

Acknowledgments

- Pipeline Infrastructure Division
- Water Distribution Planning Division
- Real Estate Services Division
- South Area Service Center
- Geotechnical Engineering
- Construction Division
- Mott MacDonald – HDD Consultant

Questions?

EAST BAY MUNICIPAL UTILITY DISTRICT

Fiscal Year 2021 Annual Readiness Report

Planning Committee

December 14, 2021

Agenda

- Emergency Planning
- Public Safety Power Shutoffs (PSPS)
- COVID-19 Pandemic Response
- FY22 Next Steps

Emergency Planning

- 22 Business Continuity Plans (BCPs)
  - Updated every two years; 9 updated in FY21
  - Exercised annually; 22 exercises in FY21
- 29 Site Security Emergency Action Plans (SSEAPs)
  - Updated every five years or as needed
  - 16 updated in FY21
- Emergency Operations Plan (EOP)
  - Updated every five years or as needed

Mutual Aid Partnerships

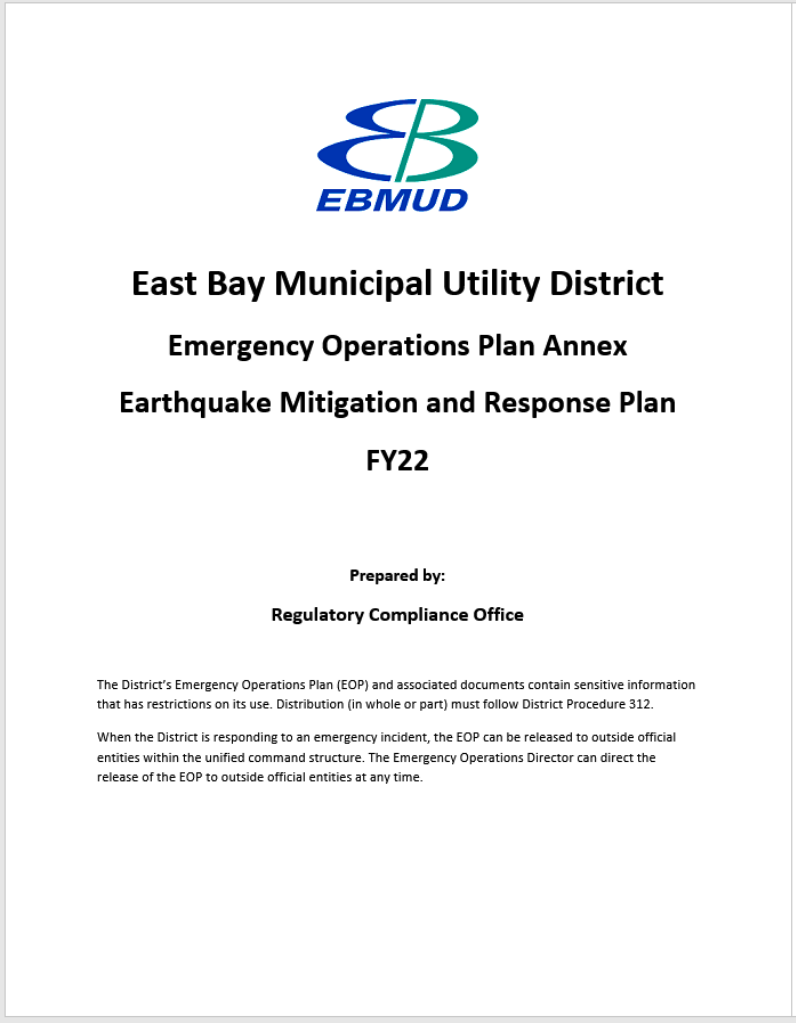
- Continue agreement with Los Angeles Department of Water and Power (LADWP) and Las Vegas Valley Water District (LVVWD)
- Monthly meetings via videoconference
- LADWP and LVVWP attended the District's October 2020 EOT exercise
- May 2021 meeting with LADWP, LVVWD, Contra Costa Water District, and Denver Water

America's Water Infrastructure Act (AWIA)

- Federal law (2018) regulates utility emergency preparedness
- Risk and Resilience Assessment – Completed March 2020
- Emergency Operations Plan – Updated September 30, 2020
- All AWIA requirements completed.

Earthquake Preparedness

- Earthquake Mitigation and Response Plan – Annex to the EOP
  - Substantial progress on updates to the plan in FY21
  - Complete update by 12/31/22



EBMUD

East Bay Municipal Utility District

Emergency Operations Plan Annex

Earthquake Mitigation and Response Plan

FY22

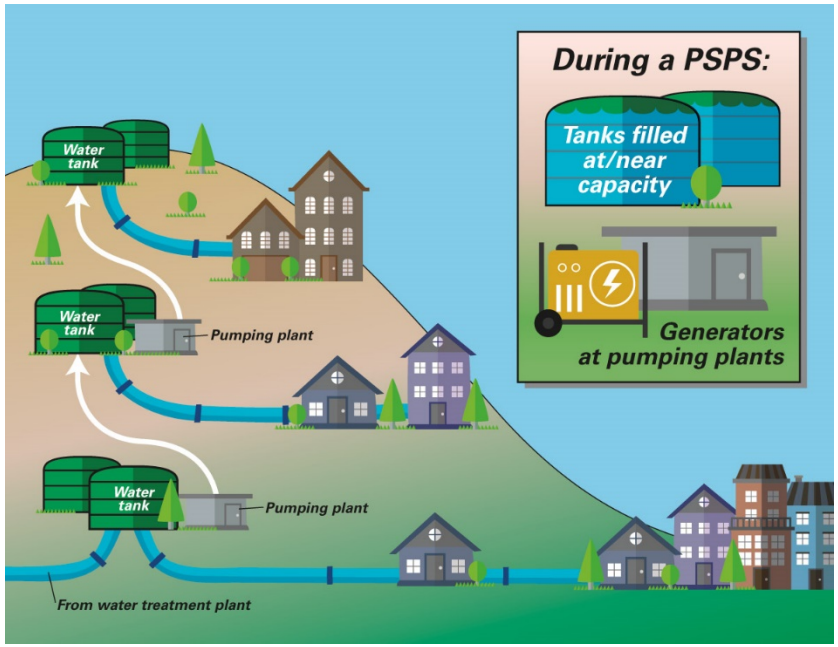
Prepared by:

Regulatory Compliance Office

The District's Emergency Operations Plan (EOP) and associated documents contain sensitive information that has restrictions on its use. Distribution (in whole or part) must follow District Procedure 312.

When the District is responding to an emergency incident, the EOP can be released to outside official entities within the unified command structure. The Emergency Operations Director can direct the release of the EOP to outside official entities at any time.

Public Safety Power Shutoffs



- Portable generators deployed at critical pumping plants
- Long-term contract for additional rental generators
- Procuring generators to reduce reliance on rental units

- Two PSPS events in FY21
  - October 14, 2021 – 9 District facilities affected, 1 generator put into service
  - October 25, 2021 – 84 District facilities affected, 21 generators put into service

COVID-19 Pandemic Response

- Emergency Operations Team (EOT) activated March 2020
- RSP 5800 – *COVID-19 Prevention Plan*
- COVID Hotline
- Testing Program
- Vaccination Policy
- Safe Return to Work Plan

FY22 Next Steps

- Continue EOT activation to manage COVID -19
- Complete update to Earthquake Mitigation and Response Plan
- Conduct EOT Functional Exercise
- Update BCPs and conduct exercises
- Conduct exercises and meetings with mutual assistance partners and stakeholders

Questions

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