

# MAIN AVENUE AND MADRONE PIPELINE RESTORATION PROJECT

Notice of Completion of Construction Contract

November 12, 2019



# Presentation Topics

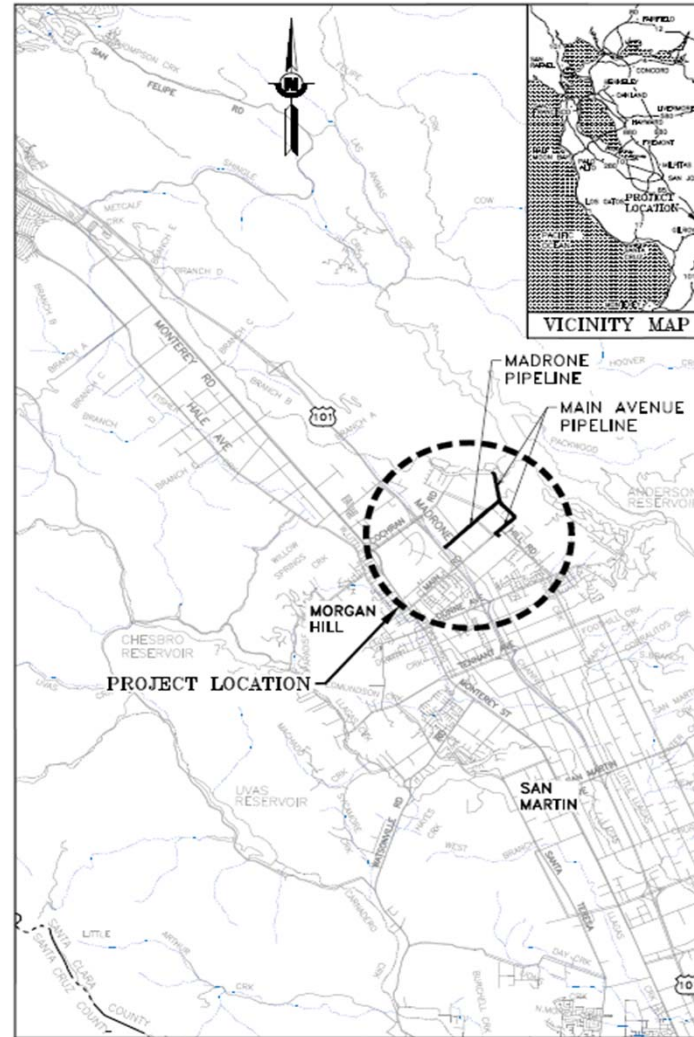
- ▶ Project Objective and Location
- ▶ Project Construction Costs
- ▶ Construction Photos

# Project Objective

- ▶ The objective of the project was to restore the Main Avenue and Madrone pipelines to full capacity to meet current and future groundwater recharge demands to the Llagas subbasin, fix the leakage and root intrusion problem, and diversify and ensure a long-term supply of water for groundwater recharge.

# Project Location

## Main Avenue Pipeline & Madrone Pipeline



# Presentation Topics

- ▶Project Objective and Location
- ▶Project Construction Costs
- ▶Construction Photos

# Project Costs

## ►Construction:

- \$9,946,650.00 – Contract Award Amount
  - \$755,049.35 – Contract Change Orders
  - \$10,701,699.35 – Final Contract Amount
- (7.6% increase)

## ►Funding Source(s):

- Safe, Clean, Water Fund
- Water Utility Enterprise Fund

# Presentation Topics

- ▶ Project Objective and Location
- ▶ Project Construction Costs
- ▶ Construction Photos

# Construction Photos

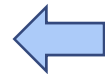
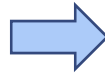
## Pipe Removal





# Construction Photos

## HDPE Pipe Fusion





# Construction Photos

## Cochrane Chemical Feed Station





# Construction Photos

## Madrone Channel





# Construction Photos

## Main Avenue Ponds

