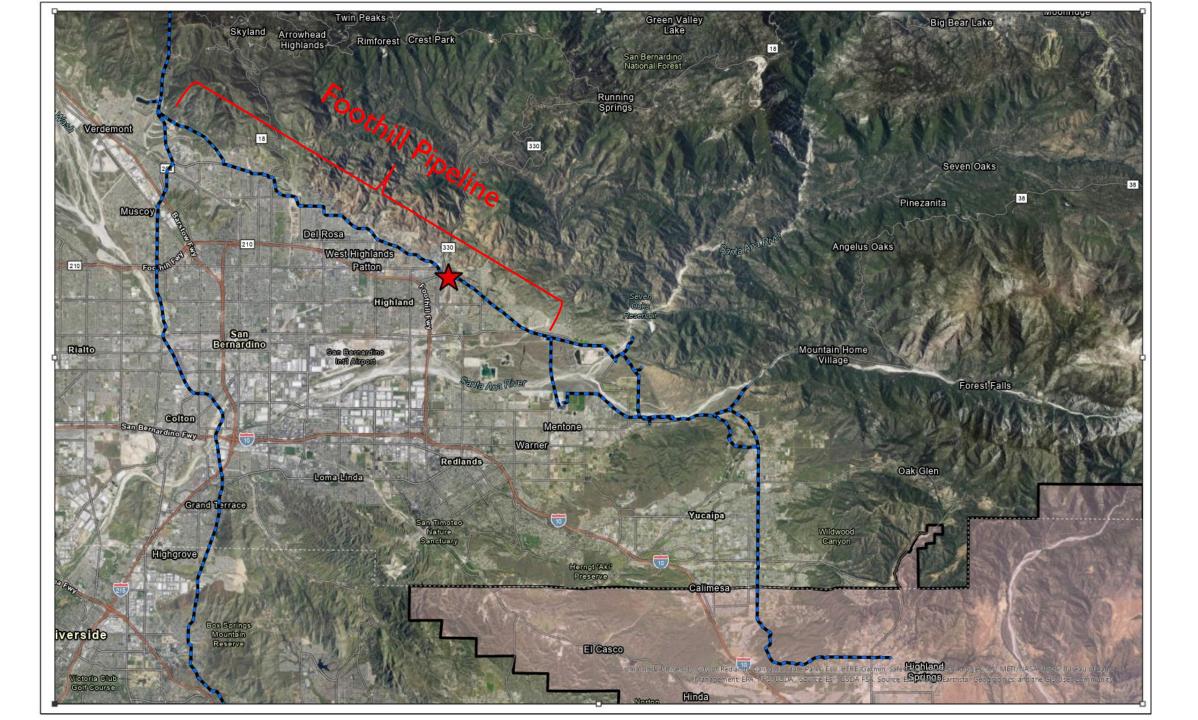
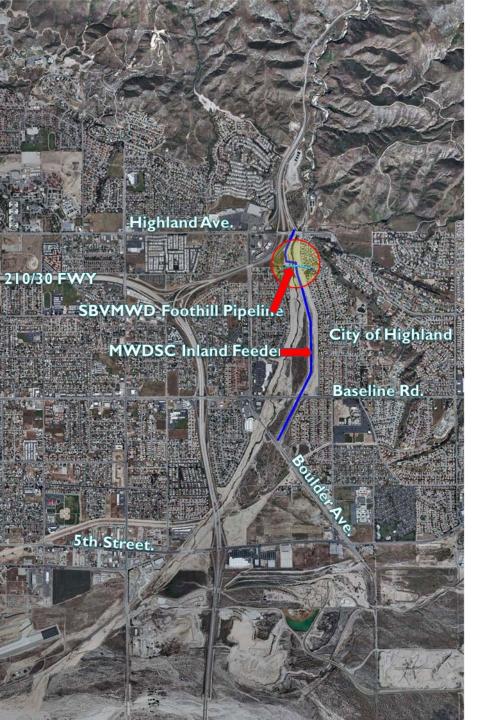
# Foothill Pipeline Crossing at City Creek







#### **Background & History**

- Foothill Pipeline Constructed

- Inland Feeder Highland Pipeline Constructed

2003 – Wildfires and 8,000 cfs Storm Flow

2005 - 9,900 cfs Storm Flow in City Creek

– Channel cleared of debris

– MWD notices erosion in City Creek

– E&H Scour Analysis Report for MWD

– B&V Engineering Report for MWD

– SBVMWD design of Temp. Rip Rap Blanket

– West Scour Analysis Report for SBVMWD

– SBVMWD Constructs Temp. Rip Rap Blanket

– December storms threaten Foothill Pipeline

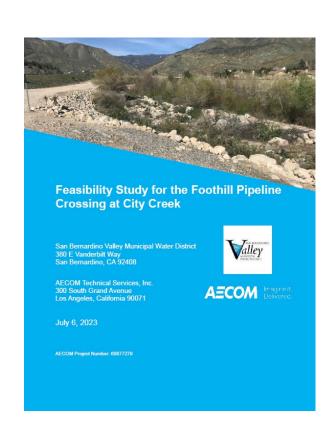
– Remedial repairs lost to 50-year storm event

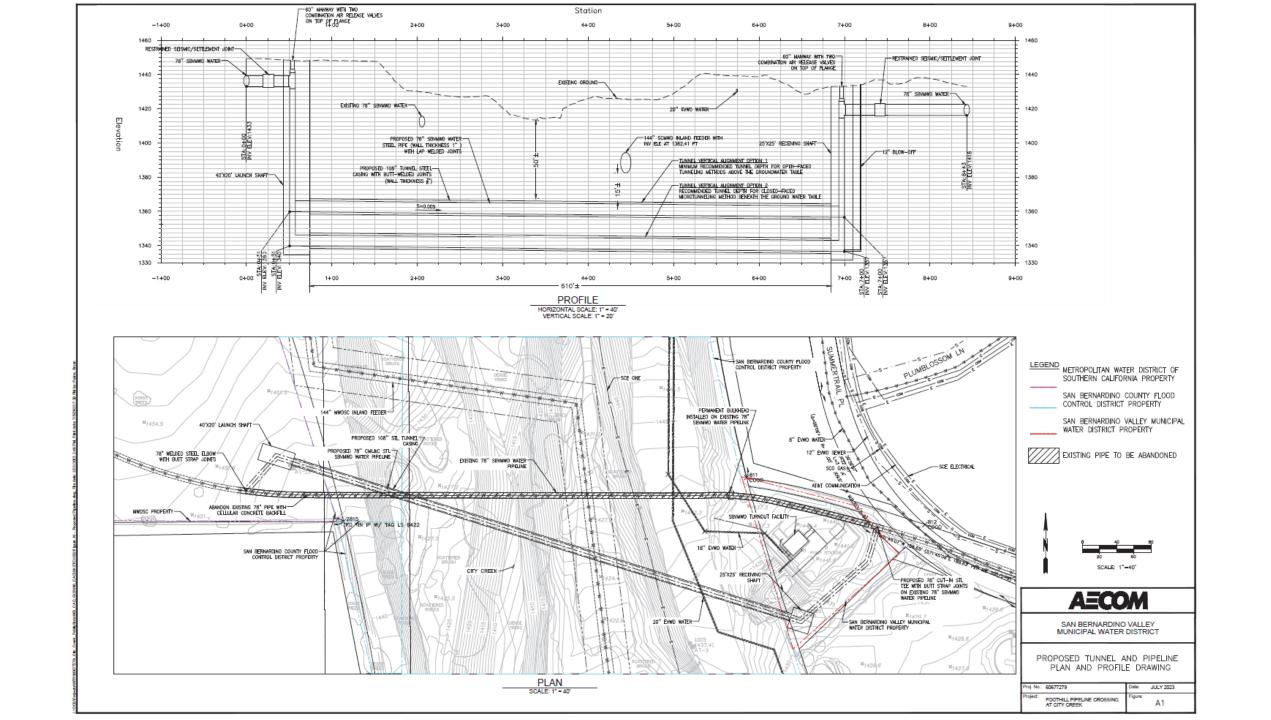
Current – Yearly storm events continue to erode/scour stream channel bottom

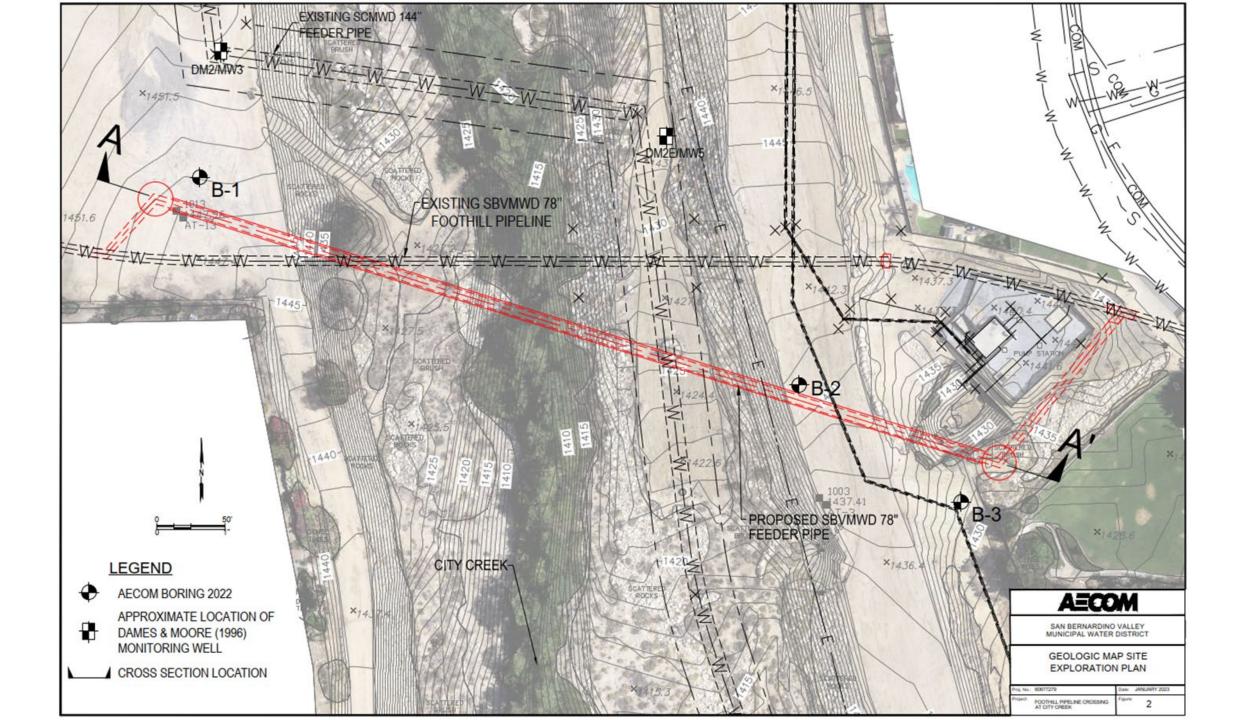
### Feasibility Study Summary

#### **Contents:**

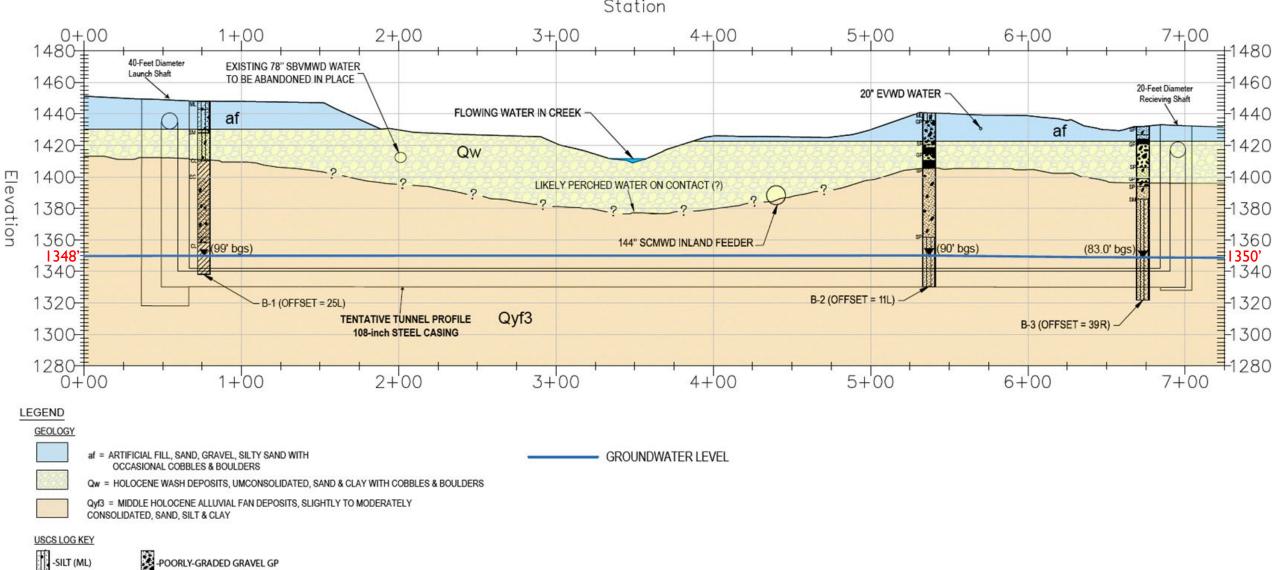
- 1. Geotechnical Investigations
- 2. Alignment Evaluation
- 3. Tunnel Feasibility
- 4. Risk Analysis
- 5. Regulatory Agency Requirement
- 6. Opinion of Probable Construction Cost
- 7. Conclusions and Recommendations











-CLAY (CL)

-Boulder

- POORLY-GRADED SAND (SP)

-CLAYEY SAND (SC)

-SILTY SAND (SM)

## Upcoming Project Components

Component	Status	Anticipated Cost
Design/Permitting	Kicking Off Q4 2023	~\$900k
Construction	Anticipated Q4 2024	~\$16M

