



# 2017 Collection System Rehabilitation Project (CIP 17708)





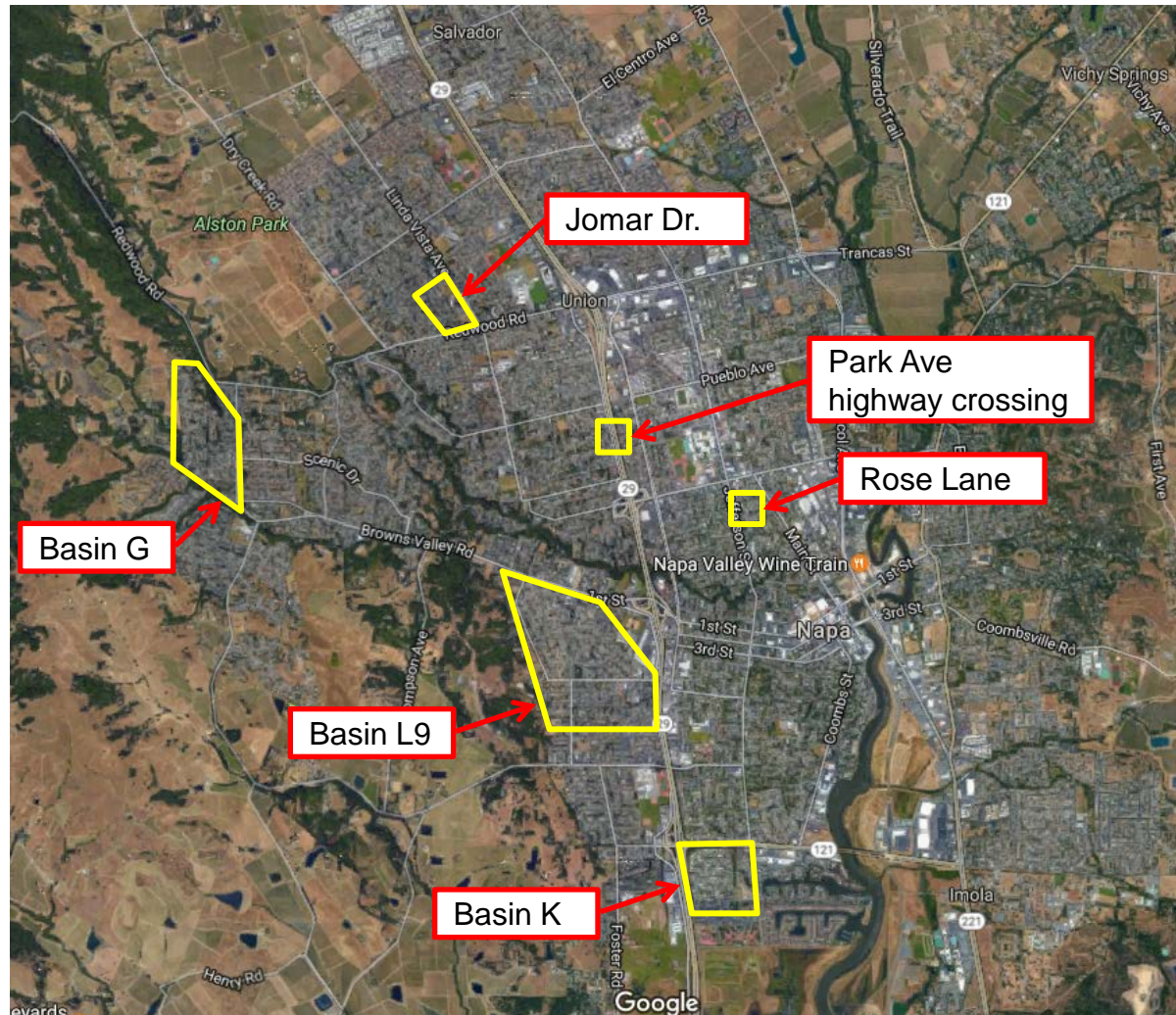
# Project Information

- Inflow & Infiltration (I&I) Reduction Project
  - Flow monitoring
  - Wet weather reconnaissance
  - Wet weather CCTV
  - Smoke testing
- Rehabilitation/Replacement
- Coordination with City paving





# Project Locations





# Basin G



- 7,600' AC pipe
- 3,700' VC pipe
- Installed in 1950s and 1960s
- System defects:
  - Cracked pipe
  - Root intrusions
  - Deteriorated joints
  - Offset joints
  - Spalling AC pipe



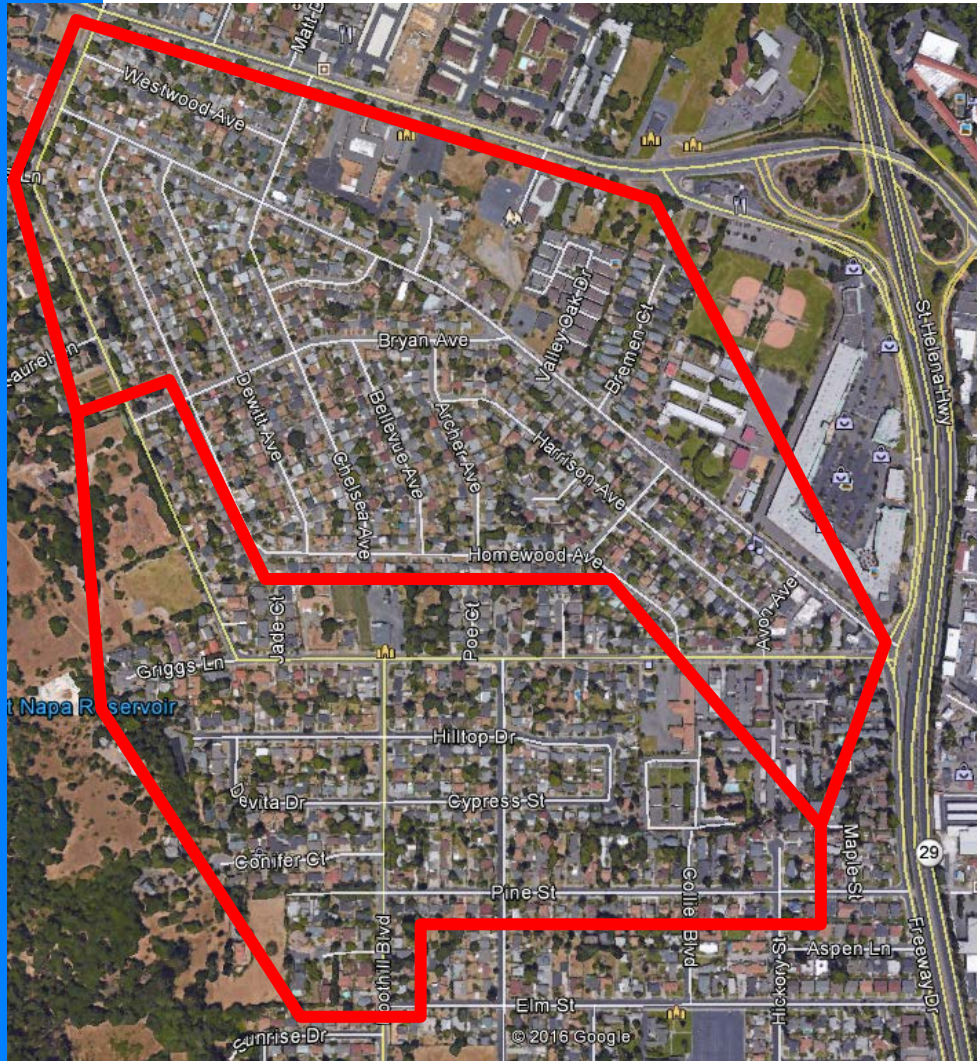


# Basin G





# Basin L9

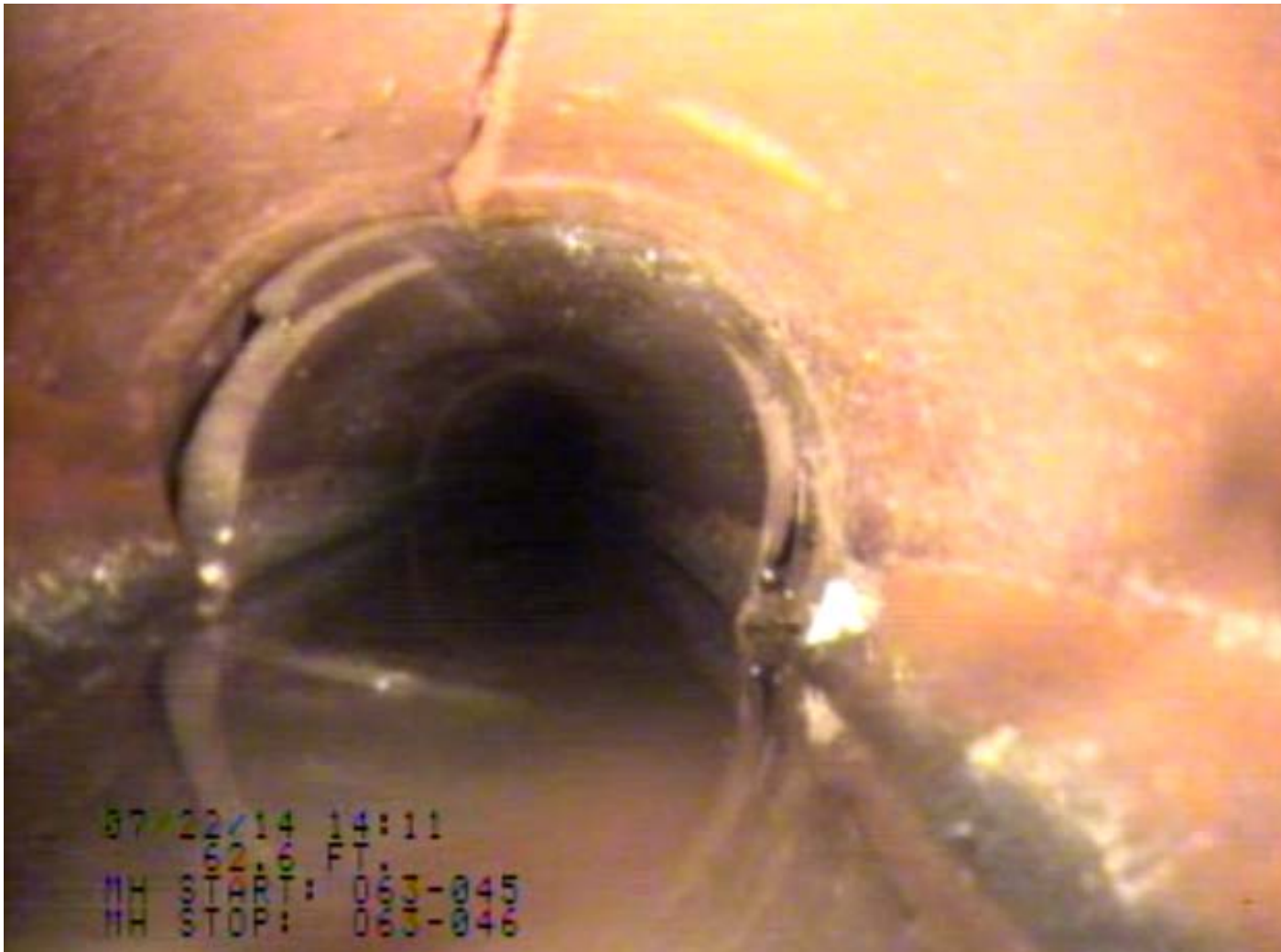


- 850' AC pipe
- 10,700' VC pipe
- Installed in 1940s & 1950s
- System defects:
  - Cracked pipe
  - Root intrusions
  - Leaking manholes
  - Offset joints
  - Spalling AC pipe



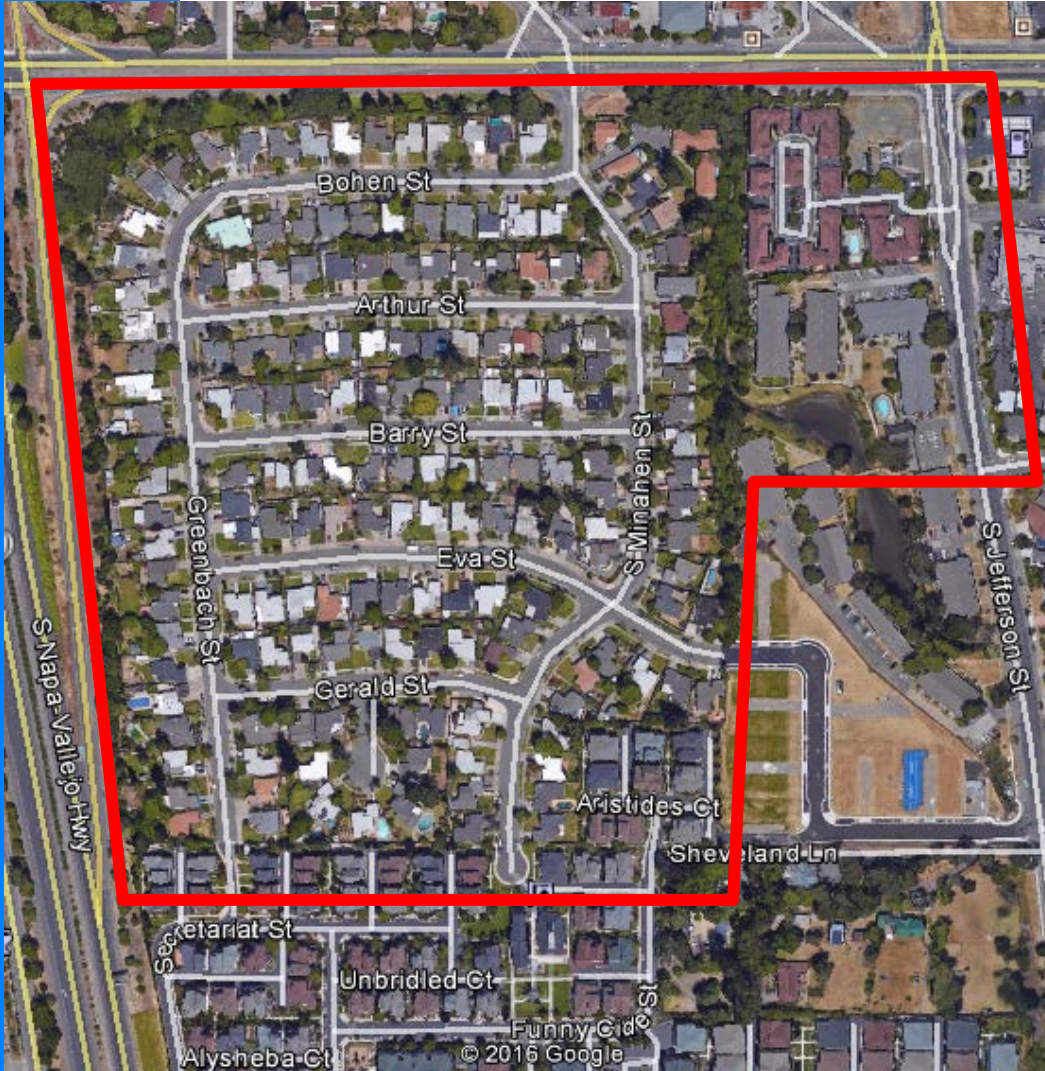


# Basin L9





# Basin K

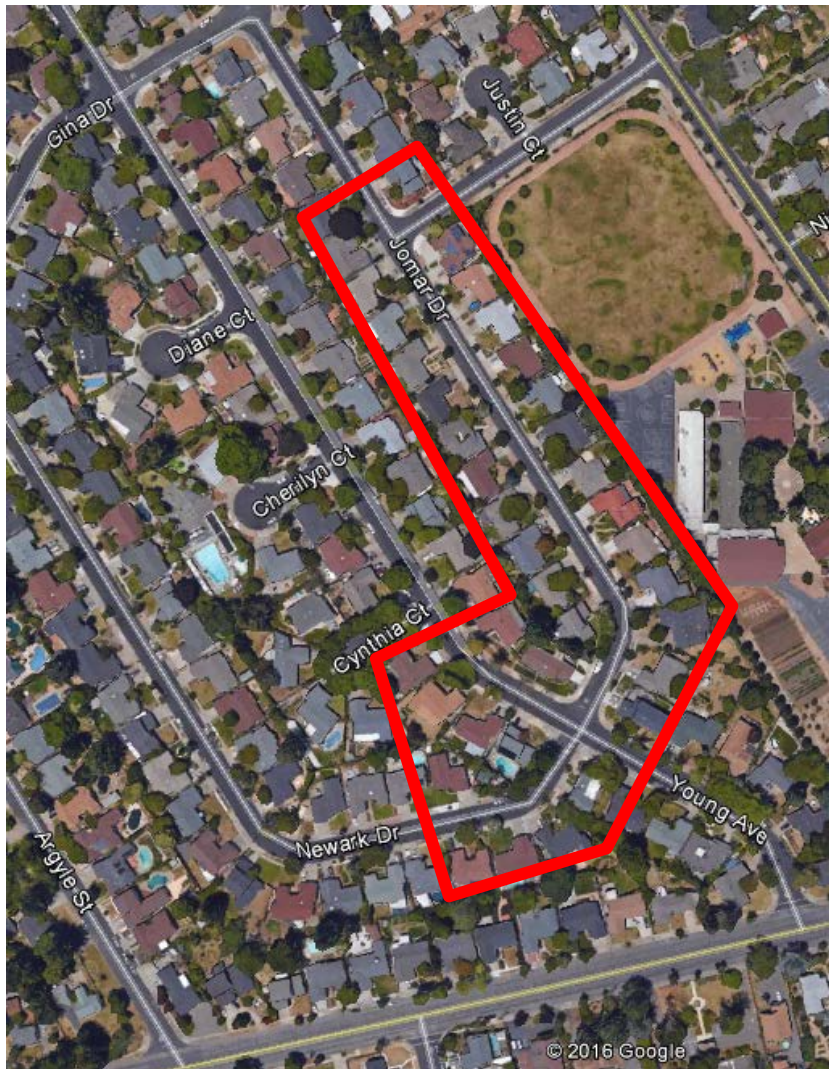


- 4,100' AC pipe
- 4,000' VC pipe
- Installed in 1950s and 1960s
- System defects:
  - Cracked pipe
  - Root intrusions
  - Leaking manholes
  - Spalling AC pipe





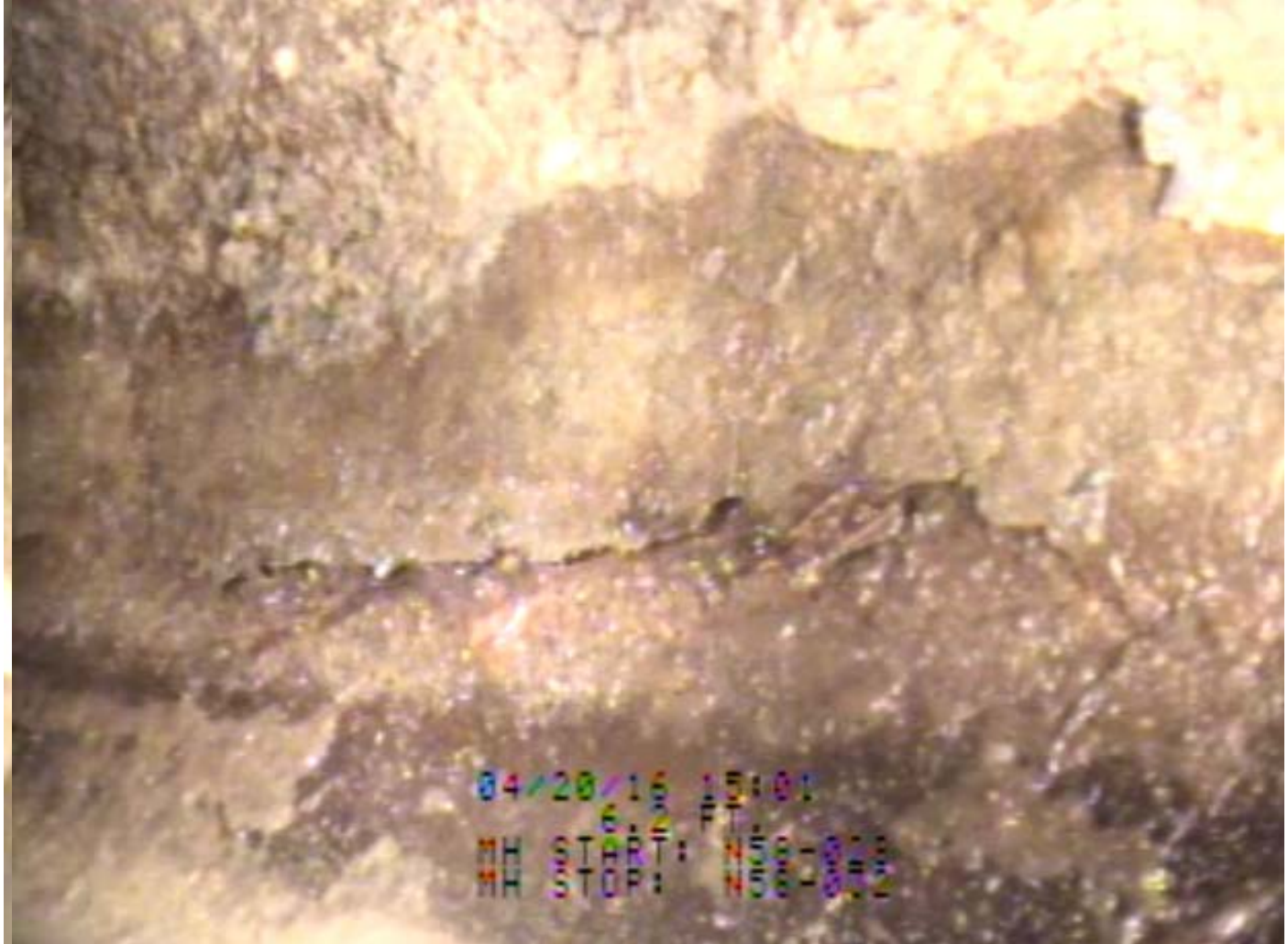
# Jomar Drive



- 1,300' AC pipe
- Installed in 1959
- Emergency excavation in March 2016
- System defects:
  - Root intrusions
  - Leaking lateral joints
  - Spalling AC pipe



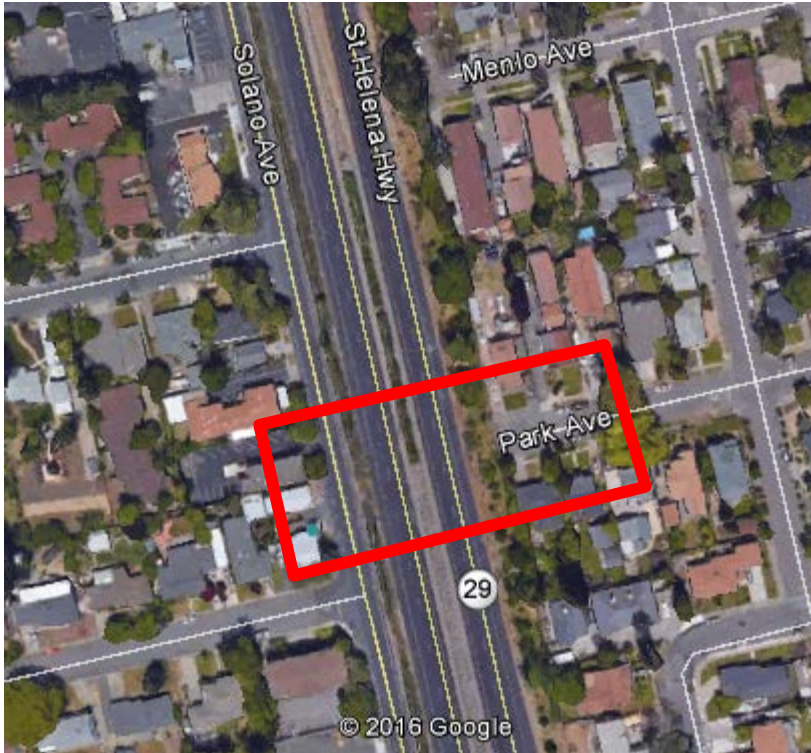
# Jomar Drive







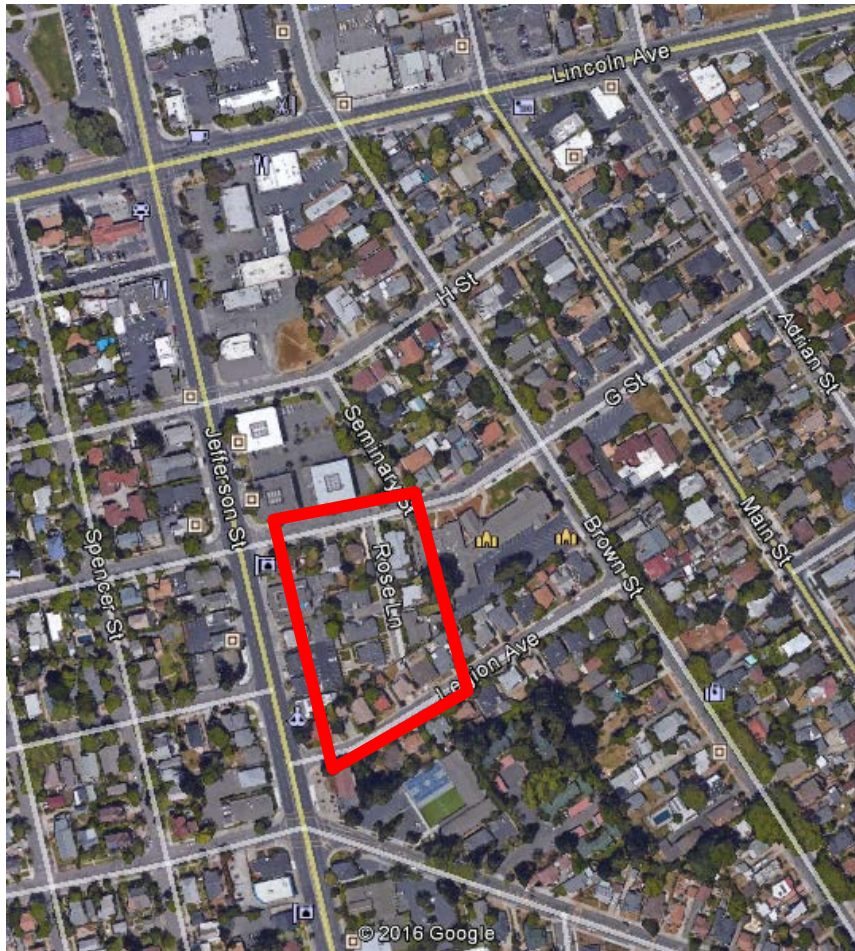
# Park Ave Hwy Crossing



- 193' AC pipe
- Installed in 1968
- 16" diameter
- Critical asset



# Rose Lane



- 250' VC pipe
- Installed in 1940s
- System defects:
  - Cracked pipe
  - Root intrusions
  - Storm drain cross-connection





# Rose Lane





# Project Overview

- Engineer's Estimate: \$5,200,000

Item	Quantity
Sewer main rehab/replacement	30,000 LF (5.7 miles) (2.1% of system)
Structures	30
Laterals	603





# Anticipated Schedule

Milestone	Date
Notice Inviting Bids	January 13, 2017
Bid Opening	February 14, 2017
Award Construction	March 1, 2017
Notice to Proceed	March 2017
Substantial Completion	October 2017



# Staff's Recommendation

- Approve the Project
- Concur with Staff's determination that the Project is categorically exempt under CEQA
- Authorize the General Manager to issue Notice Inviting Bids