NORTH TRUNK SEWER REPLACEMENT – MENDOCINO AVE TO TERRA LINDA DR PROJECT

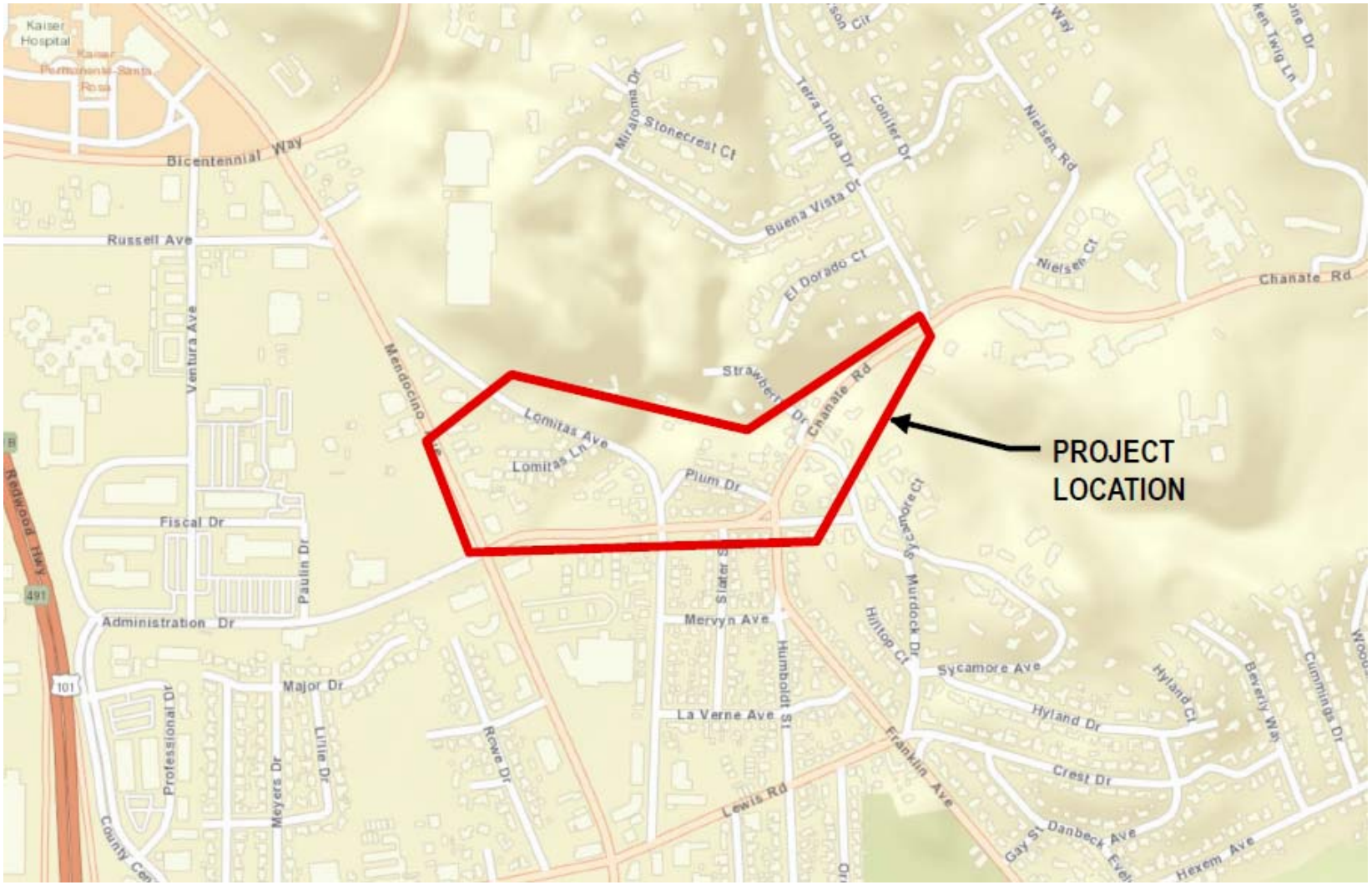
Tracy Duenas
Supervising Engineer
Transportation and Public Works

Board of Public Utilities
March 21, 2019

Objectives

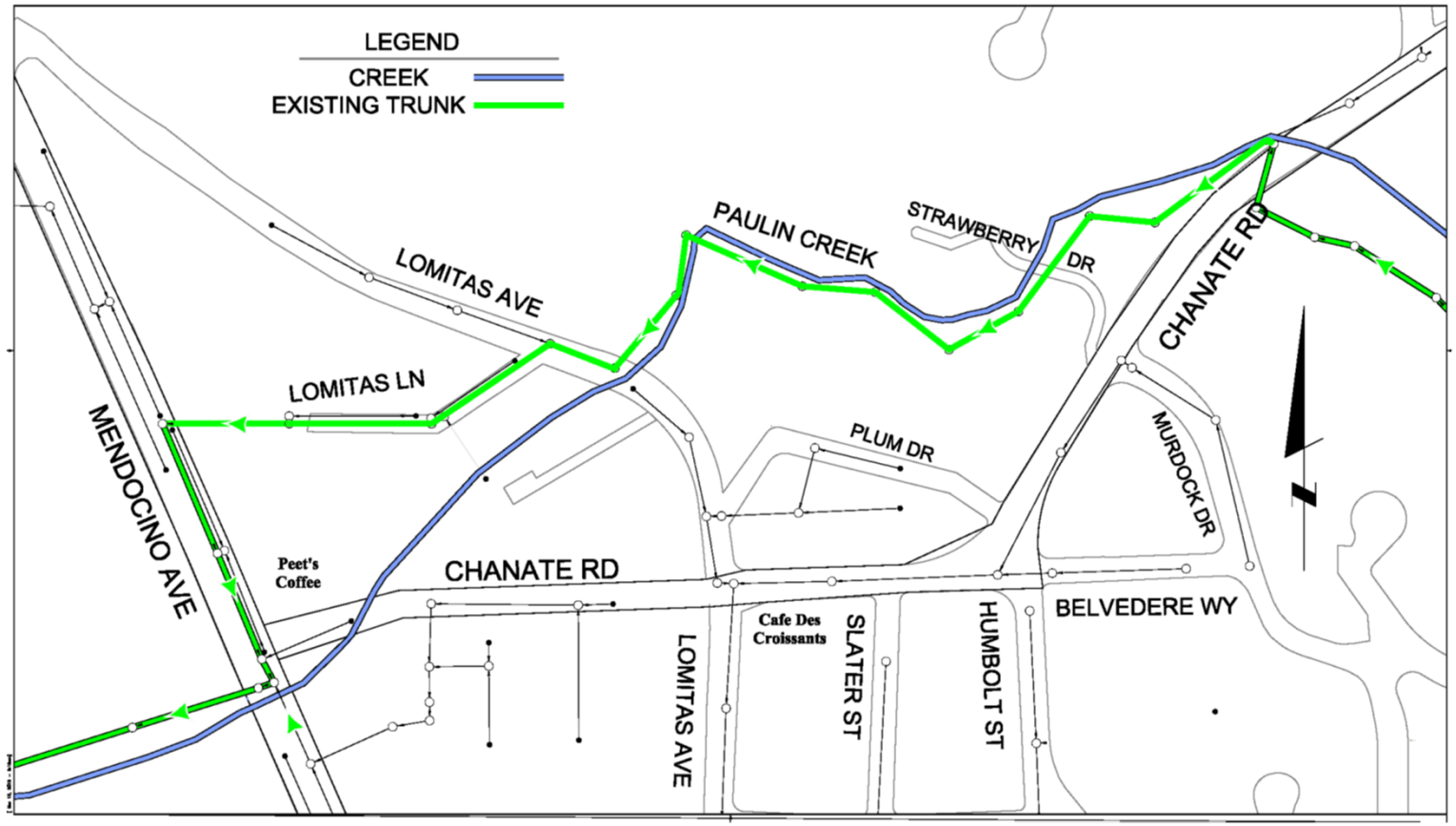
- Project Background
  - Feasibility Analysis
  - Proposed Improvements
- Initial Study/Proposed Mitigated Negative Declaration (IS/Proposed MND)
- Recommendations

Project Background



Project Background

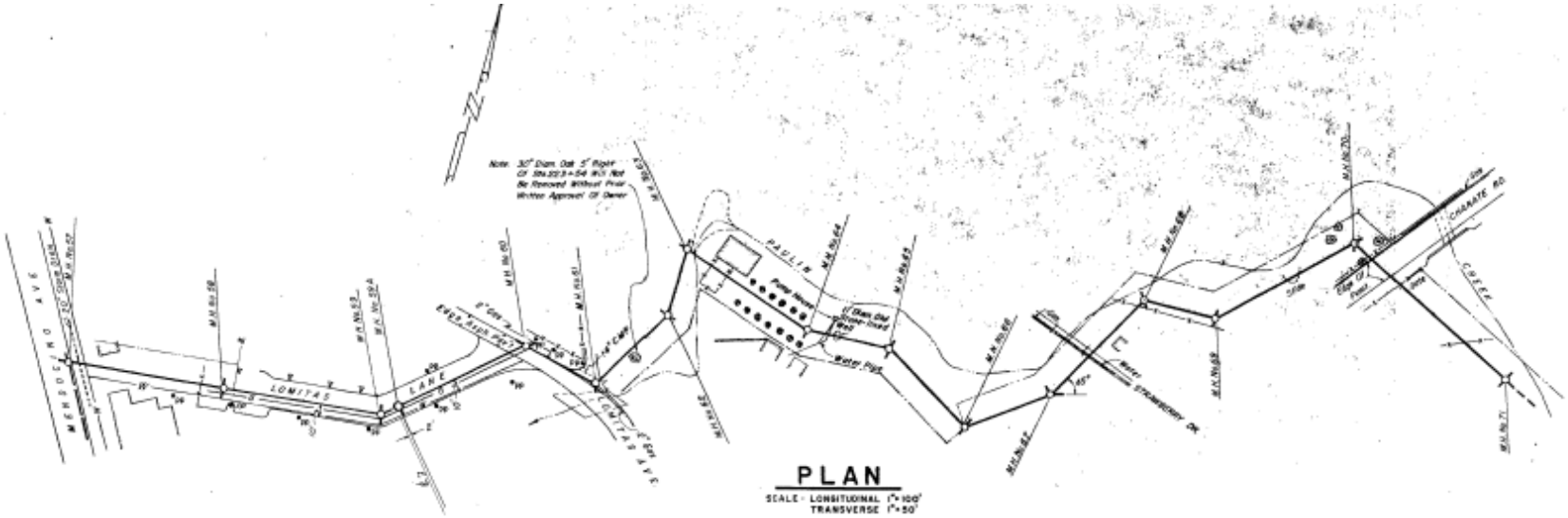
Existing Trunk Sewer and Creek



Project Background

Existing Trunk Sewer and Creek

- Original construction in 1956



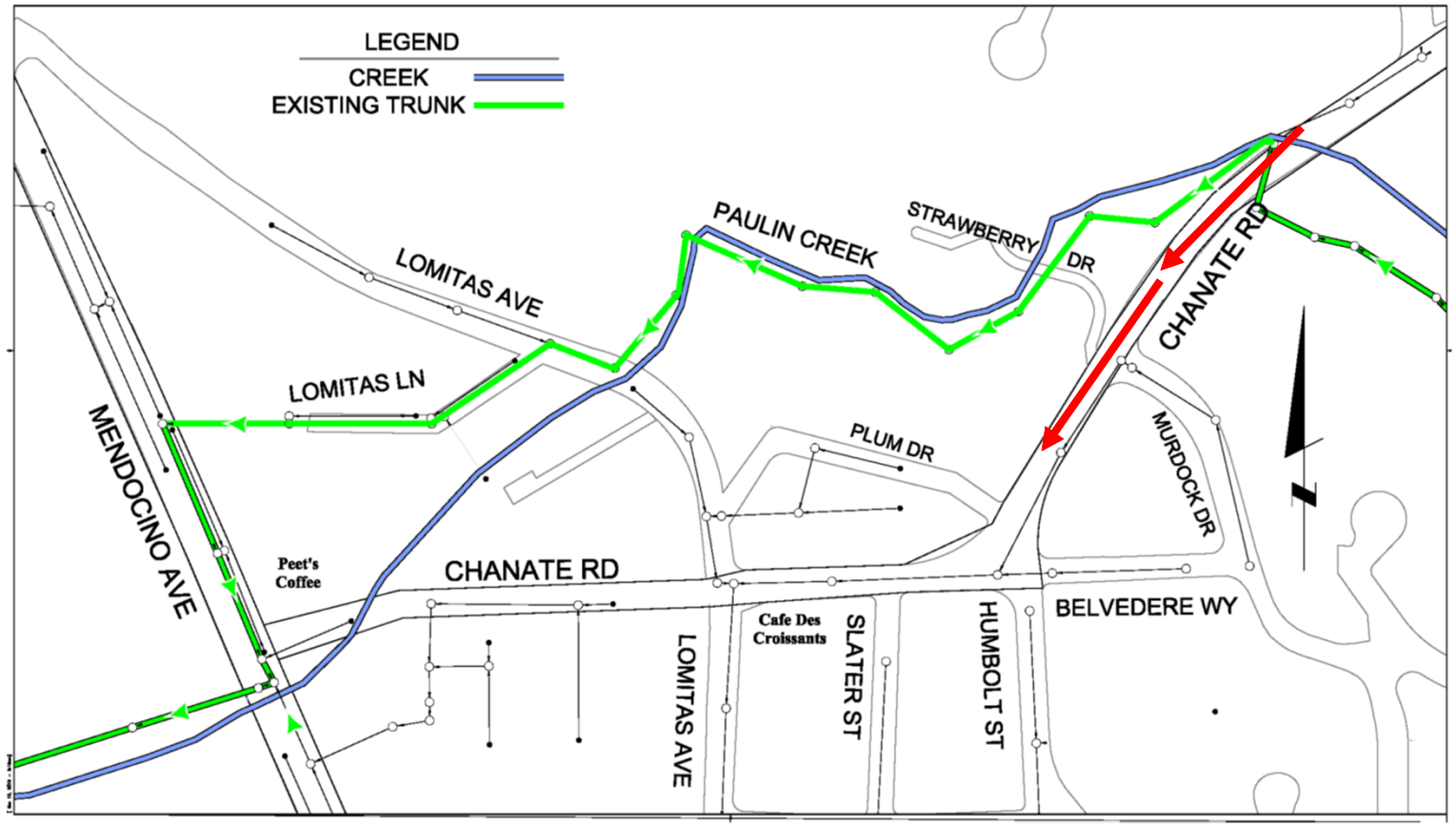
Project Background

Existing Trunk Sewer and Creek

- Limited Access
- Age
- Risks

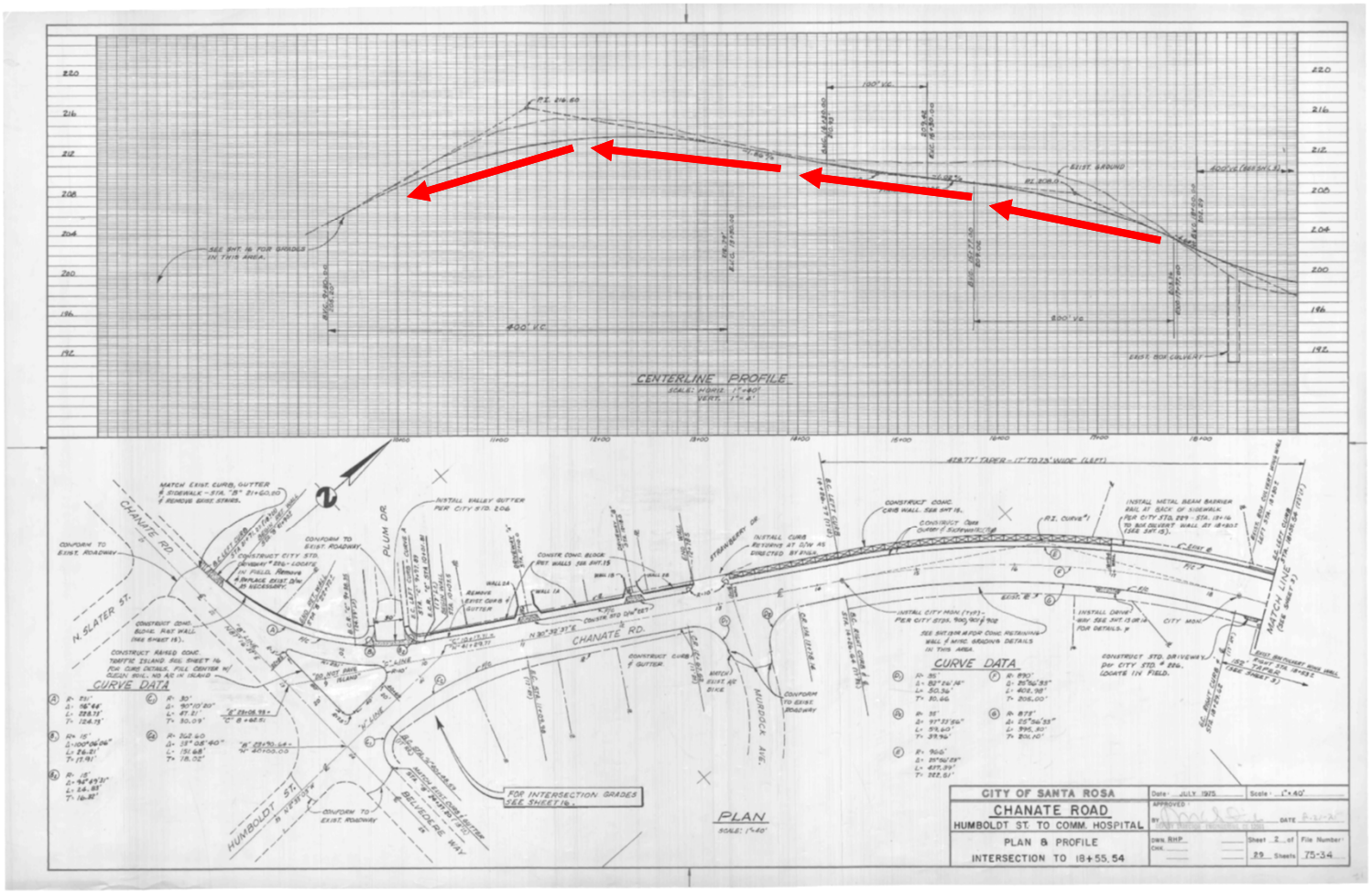
Project Background

Existing Trunk Sewer and Creek



Project Background

Existing Trunk Sewer and Creek



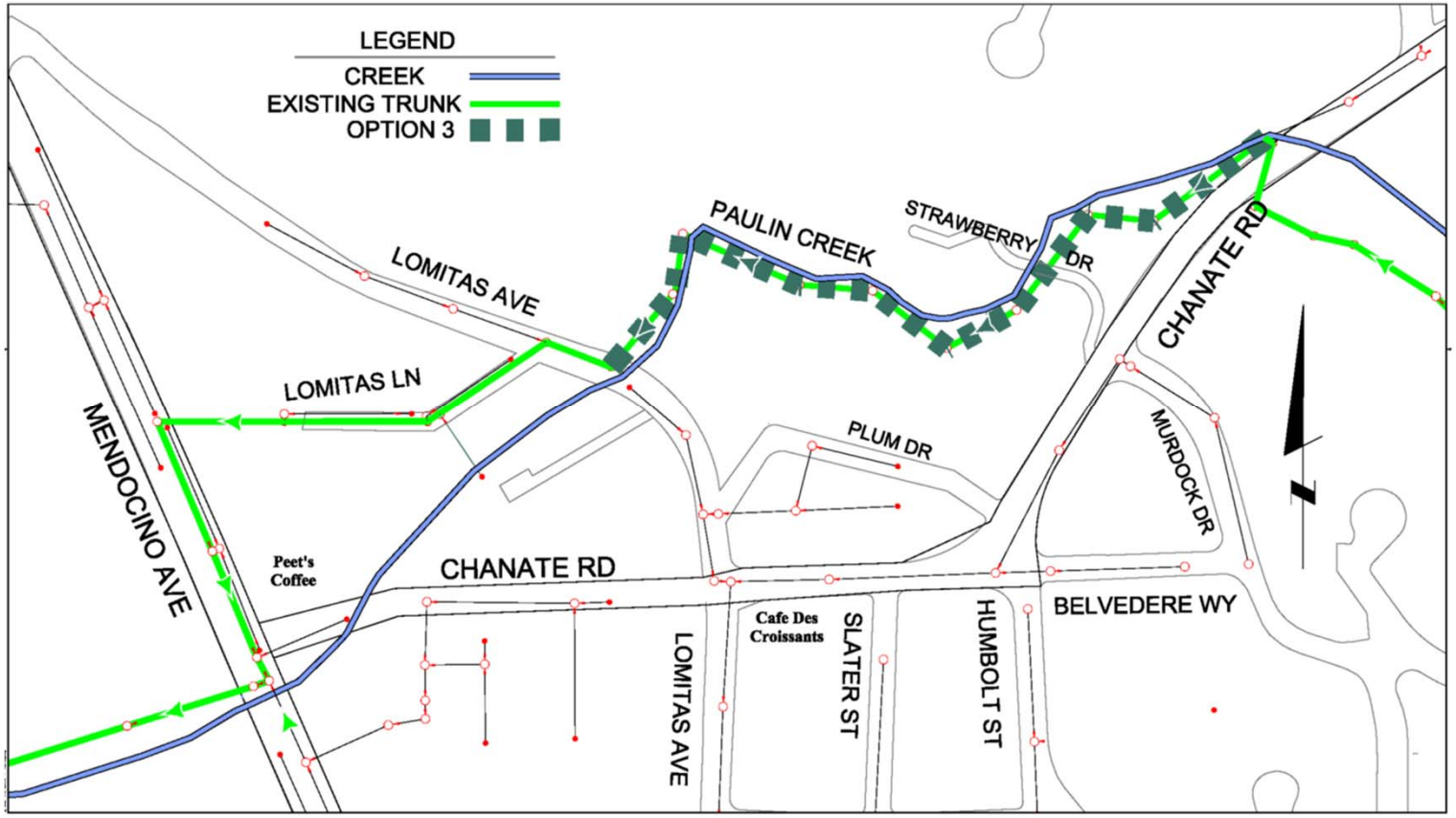
Project Background

Feasibility Analysis

Project Background

Feasibility Analysis

- "Trenchless" Cured-in-place pipe



Project Background

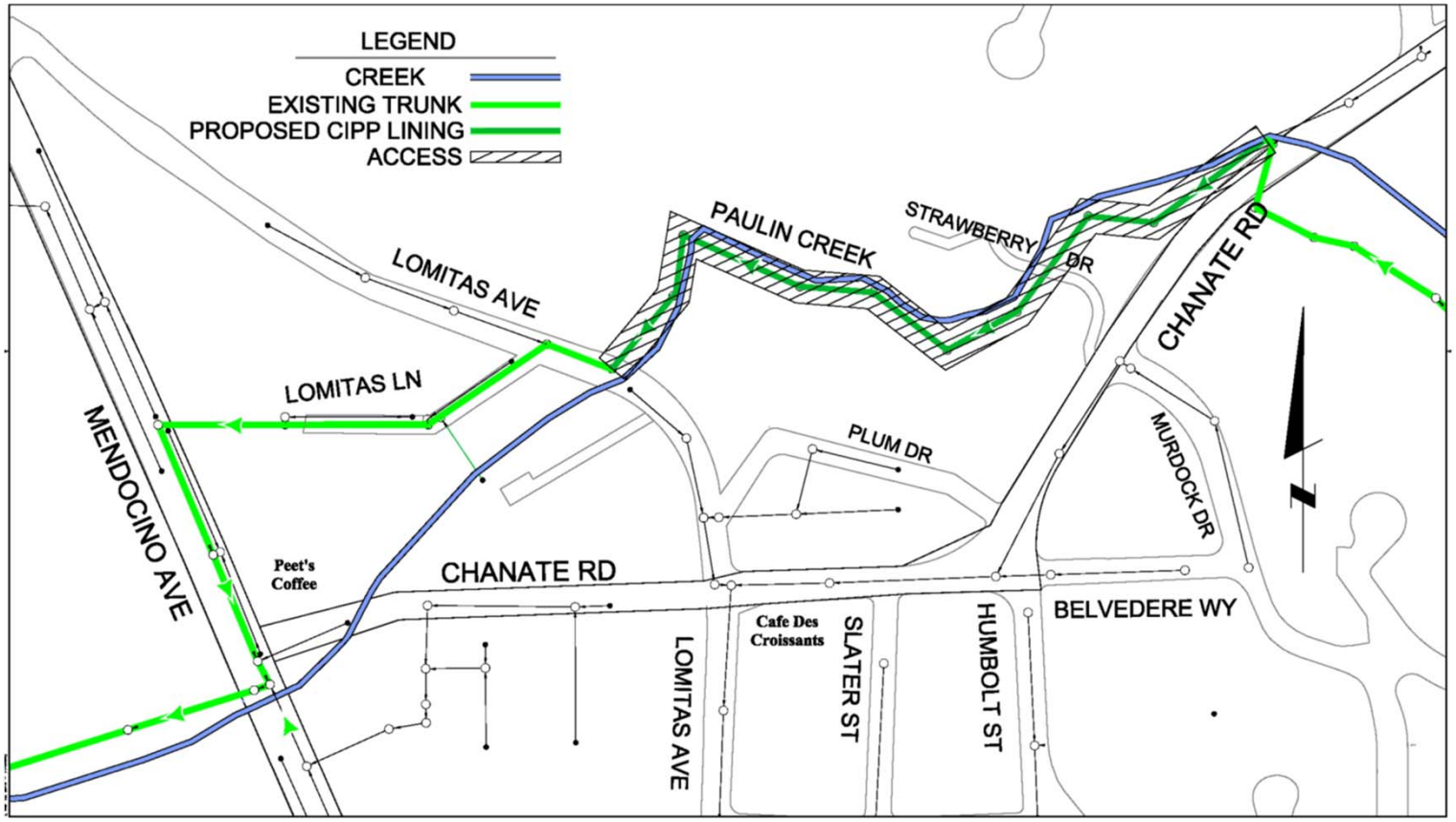
Feasibility Analysis

- “Trenchless” Cured-in-place pipe

Project Background

Feasibility Analysis

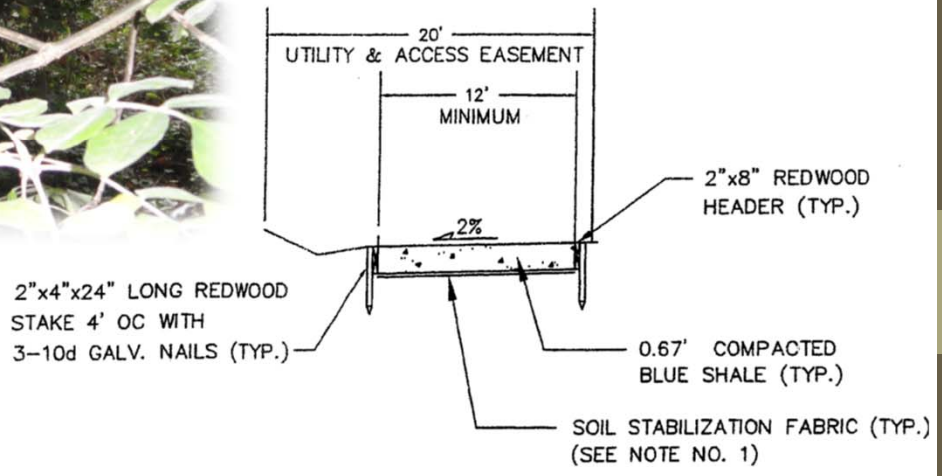
- "Trenchless" Cured-in-place pipe



Project Background

Feasibility Analysis

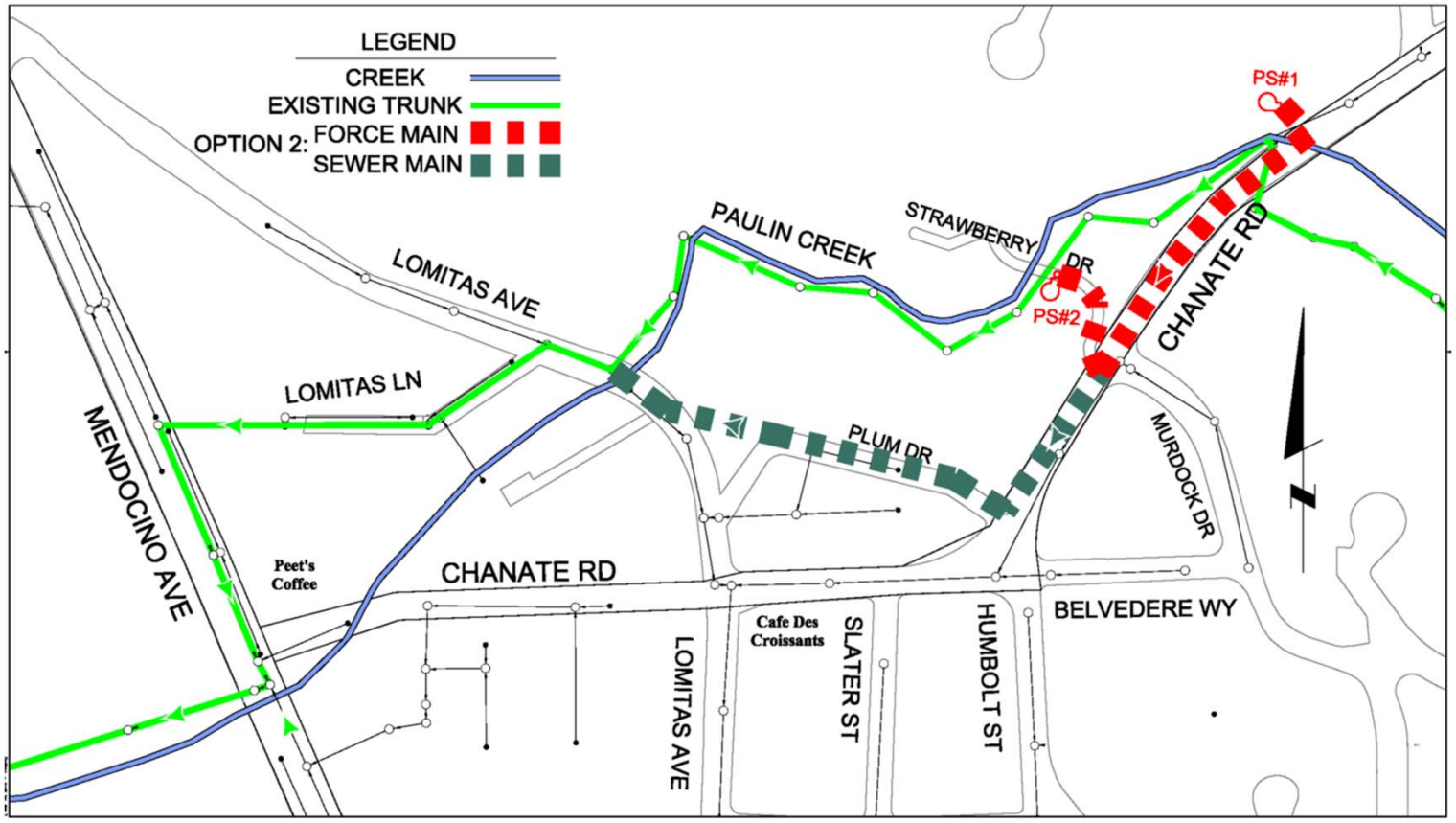
- "Trenchless" Cured-in-place pipe



Project Background

Feasibility Analysis

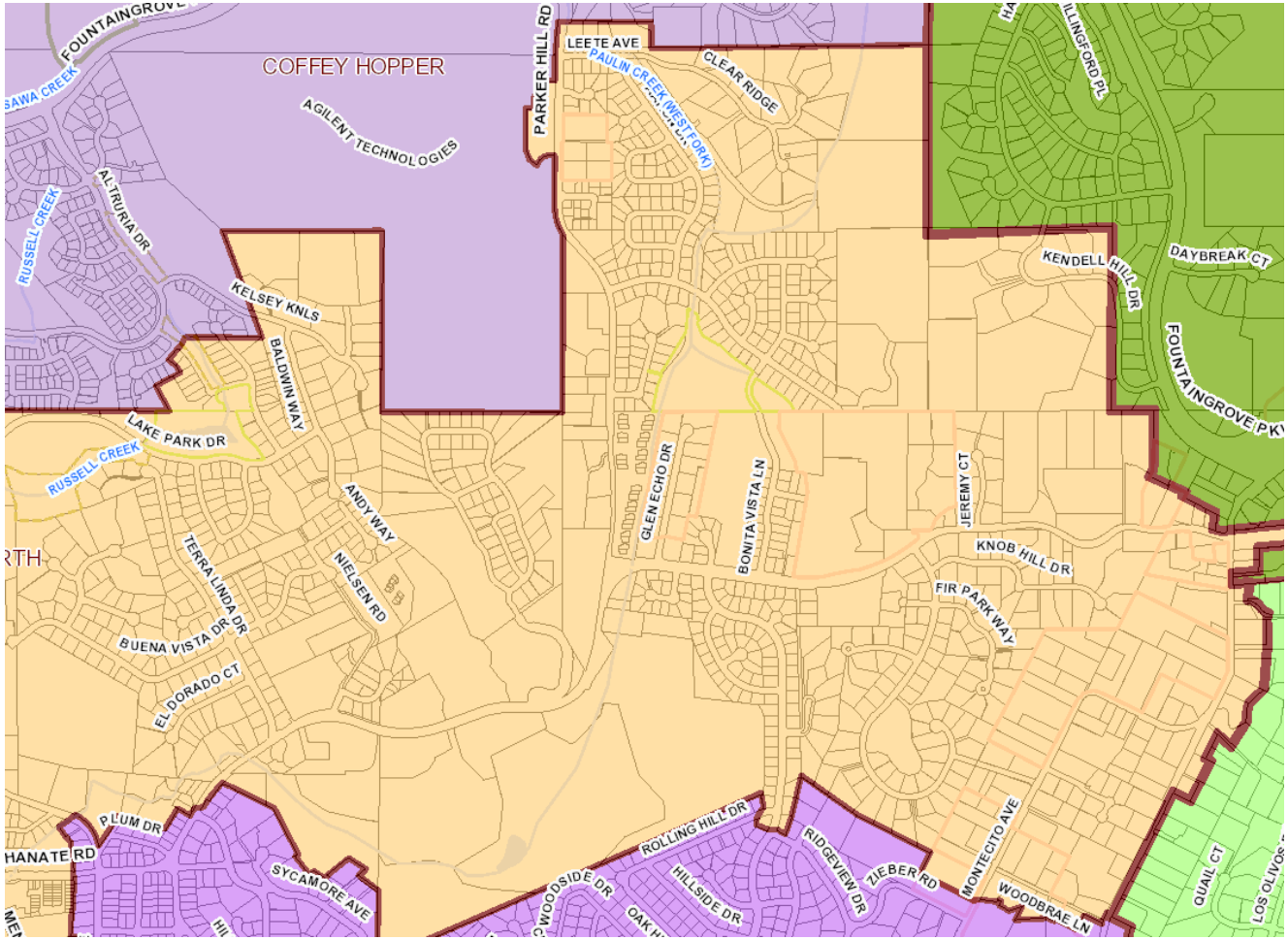
- Pumping Stations/Force Main



Project Background

Feasibility Analysis

- Pumping Stations/Force Main



Project Background

Feasibility Analysis

- Pumping Stations/Force Main

Project Background

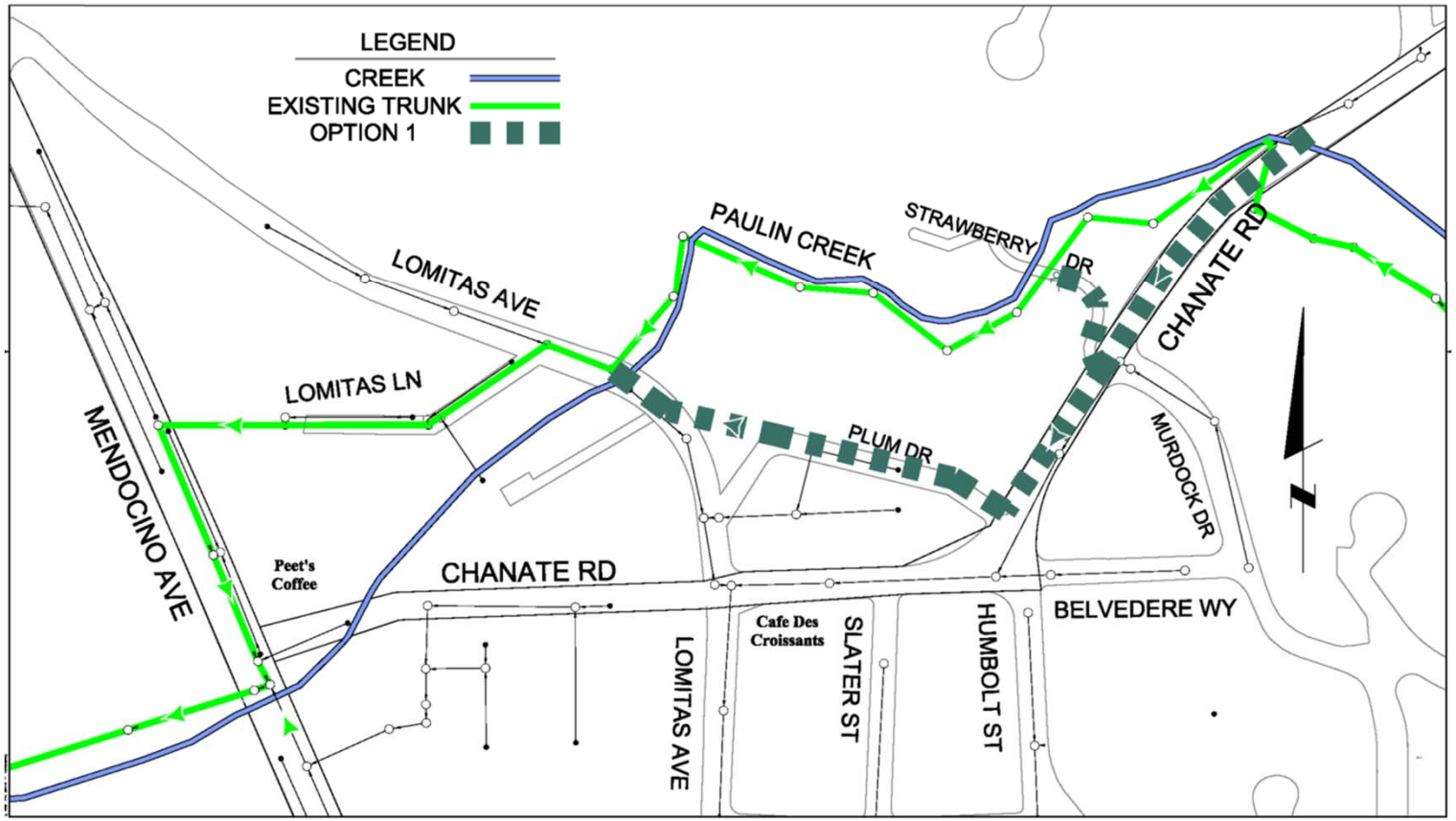
Feasibility Analysis

- Pumping Stations/Force Main

Project Background

Feasibility Analysis

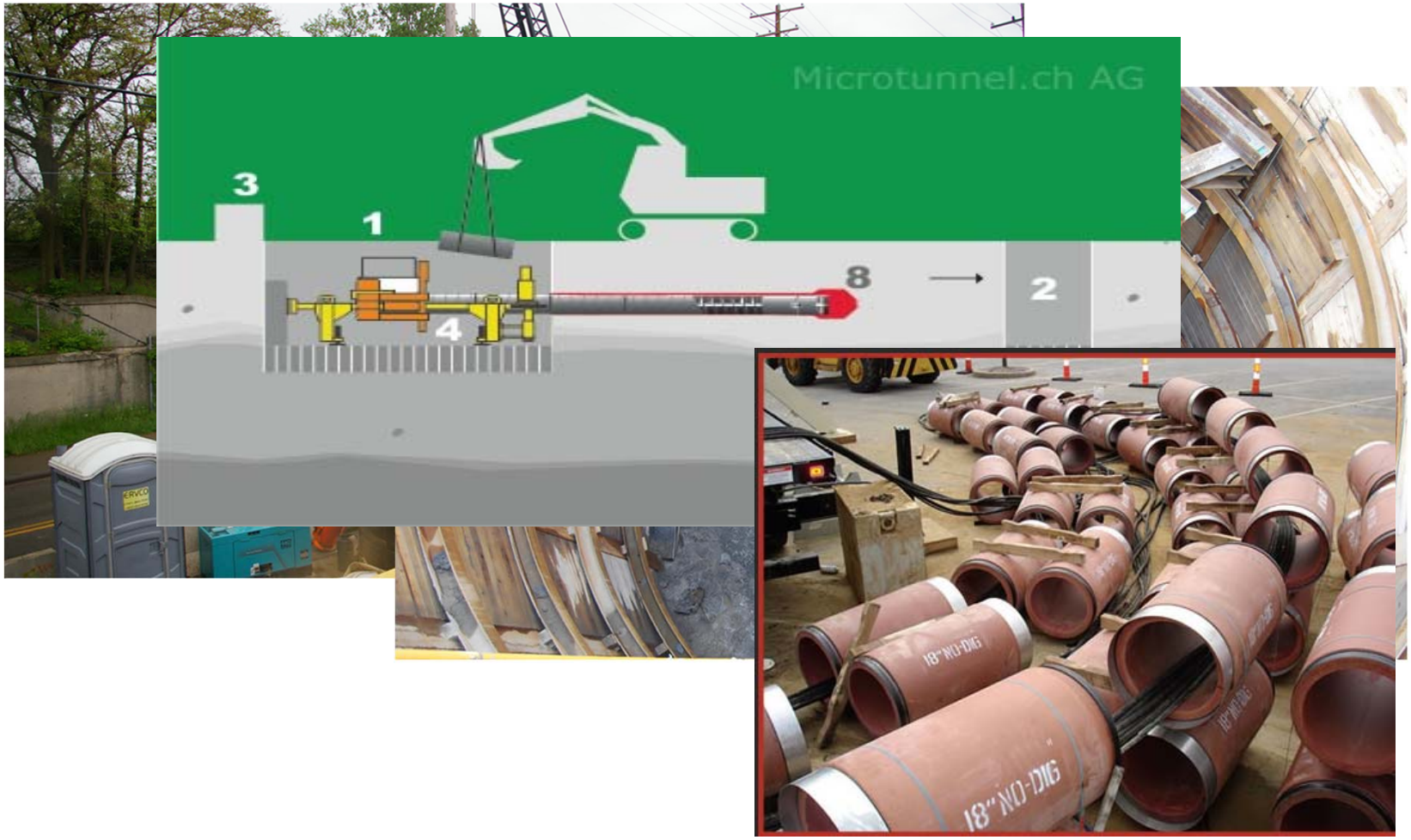
- Deep Gravity Trunk Main



Project Background

Feasibility Analysis

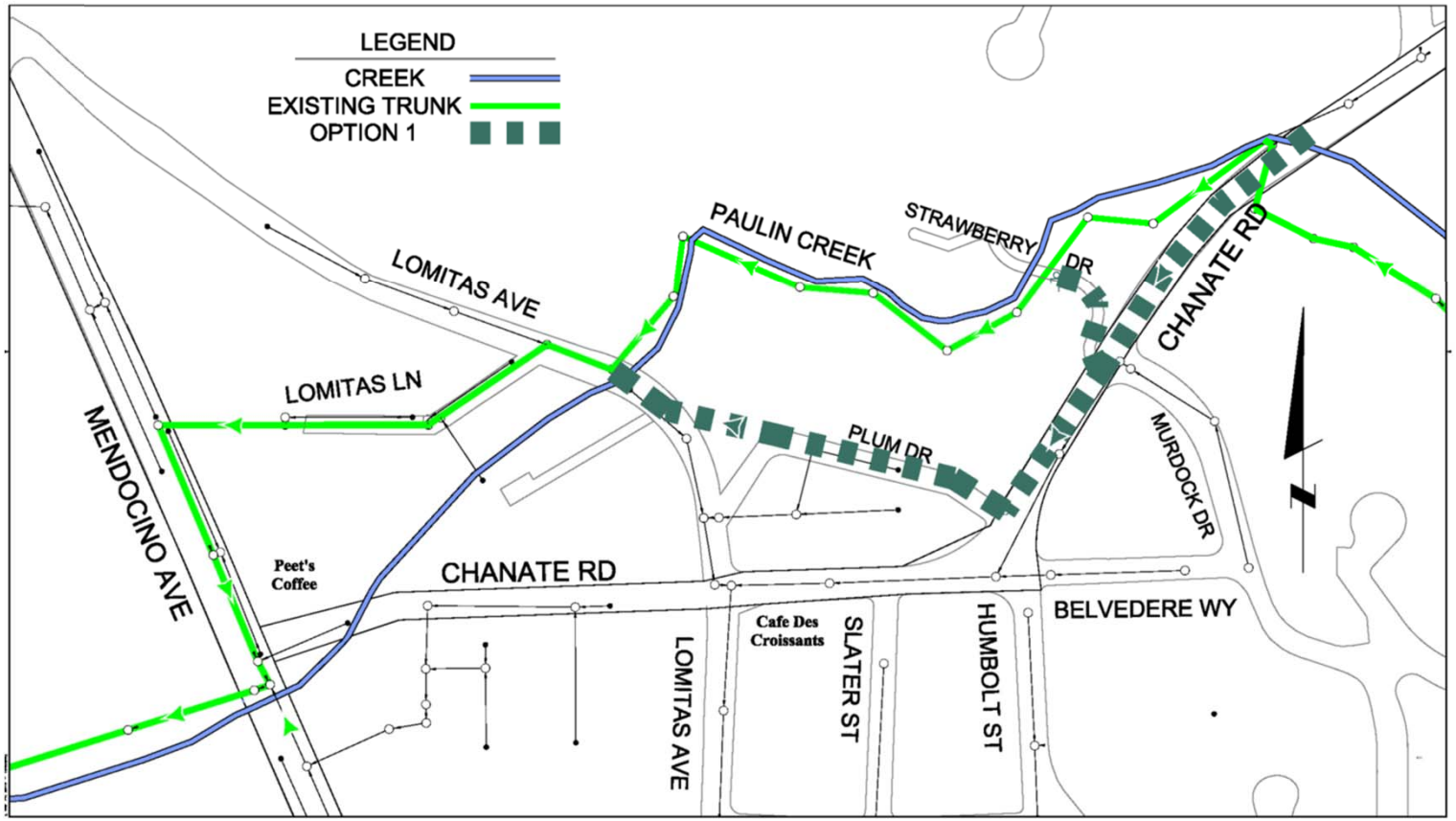
- Deep Gravity Trunk Main



Project Background

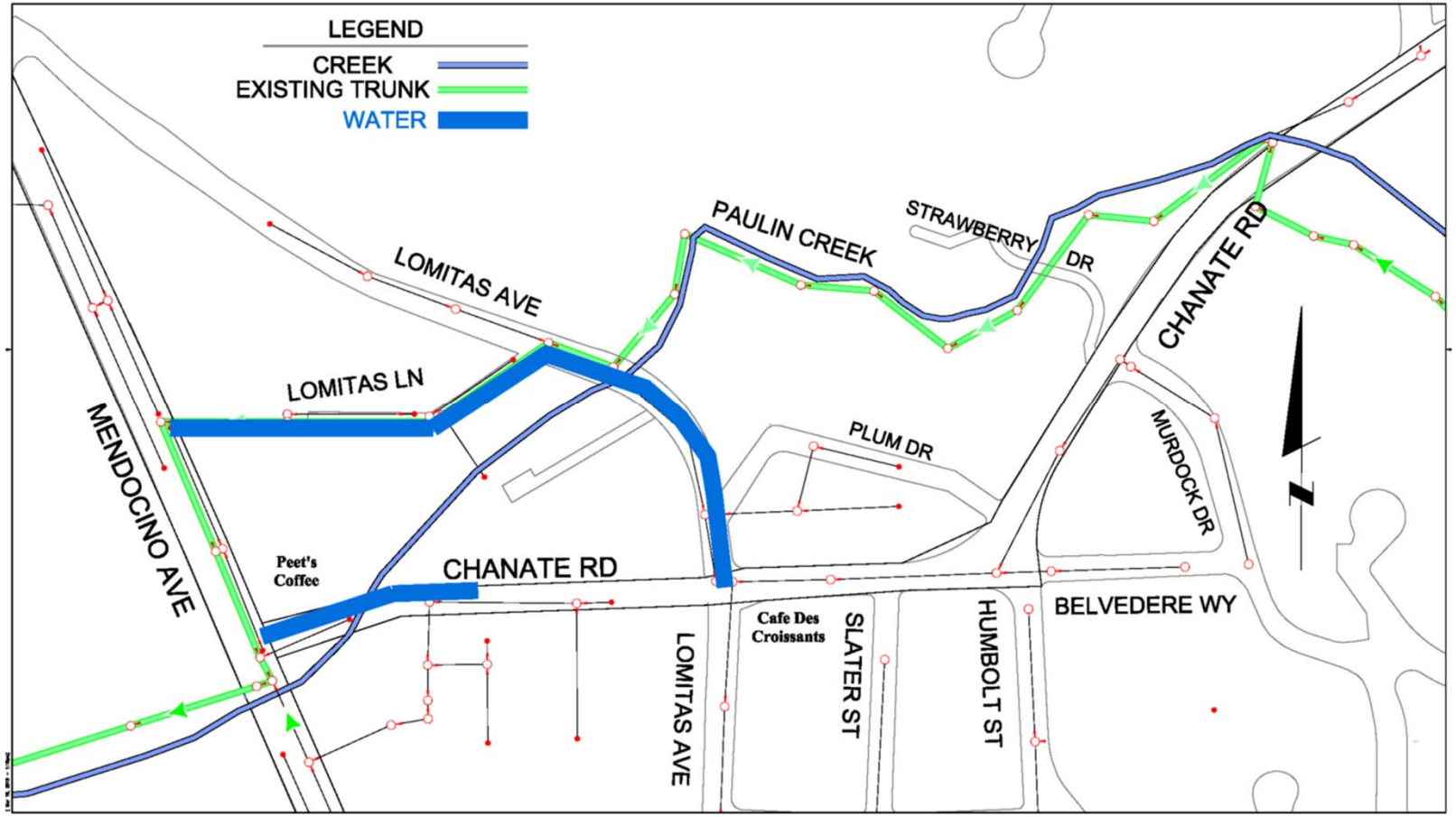
Feasibility Analysis: Recommended option

- Deep Gravity Trunk Main



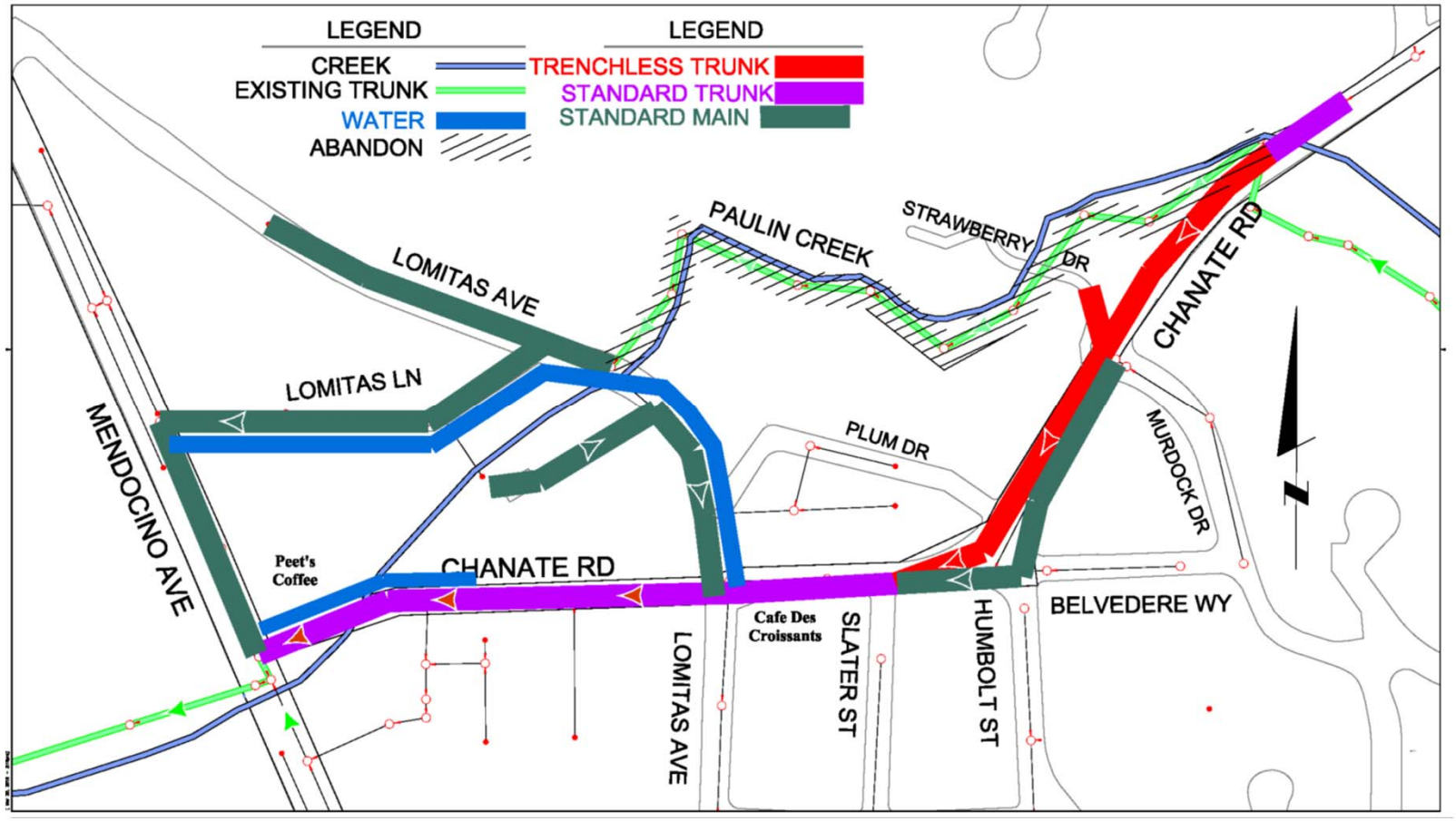
Project Background

Proposed Improvements



Project Background

Proposed Improvements



IS/Proposed MND

Environmental Protection Actions

- Geotechnical Design Recommendations
- Air Quality Control Measures
- Climate Action Plan Measures
- BMP for sewer abandonment along Paulin Creek

IS/Proposed MND

Other Less than Significant Impacts with Mitigation Incorporated:

- Aesthetics
- Biological Resources
- Cultural Resources
- Hazardous Materials
- Water Quality
- Noise
- Traffic
- Tribal Cultural Resources

IS/Proposed MND

30 day Public Review -

- Circulated August 17, 2018

IS/Proposed MND sent to the:

- State Clearinghouse
- Local Resource Agencies
- Posted on City Website

Notice of Intent

- Published in the Press Democrat and;
- Mailed to landowners in the Project Vicinity.

Recommendations

BPU Recommendations

1. Adopt the Mitigated Negative Declaration (MND) North Trunk Sewer Replacement – Mendocino Ave To Terra Linda Dr Project
2. Approve the Project
3. Adopt the Mitigation and Monitoring Program for the project
4. Direct Staff to file a Notice of Determination