



# City of Calistoga Update of Measure A Projects

Financial Oversight Committee  
August, 2014

# Overview for Calistoga

- ❖ Our share of Measure A is small < 3%
- ❖ Cash flowed major projects with the exception of the Mt. Washington Tank which was USDA RUS low interest loan.
- ❖ Allowed our “pooled” share of revenues to be subscribed to the Napa Project from 98/99 to 04/05. Began taking reimbursements in FY 06.

CAUTION  
SUBJECT TO  
FLOODING

CAUTION  
FLOODING  
Hazardous  
Do Not Enter



# Specific Calistoga Projects contained in Measure A Ordinance (Section 8.C.1&2)

1. *Stabilization and enhancement of Kimball Reservoir which shall be for the purpose of flood protection and water supply reliability.*
2. *Flood protection and drainage improvements in the Grant Street area and other critical areas to protect residents and businesses from flooding.*

# Approved Measure A Projects

- ❖ Partial Funding for Mt. Washington Water Storage Tank for Kimball Water Supply Reliability §8.C.1
- ❖ Kimball Dam Intake Tower, Drain Valve, Bypass Structure, and Water Rights Protection §8.C.1
- ❖ Debt Payments for Kimball Water Facilities Improvement Projects Phases I and II §8.C.1
  - Kimball – Bennett Lane – Myrtledale Water Transmission Line
  - Kimball Water Treatment Plant Improvements



**Kimball Reservoir**

# Completed Measure A Projects

- ❖ Feasibility Study for Dredging Kimball Reservoir (2003)  
\$125,738 §8.C.1
- ❖ Grant St. Storm Drain Improvements (2006) \$117,470 §8.C.2
- ❖ Fisher St. at Lake St. Culvert (2009) \$12,020 §8.C.2
- ❖ Drainage Improvements in SE Calistoga (2010) \$600,000  
§8.C.2
- ❖ Kimball Water Treatment Plant Upgrades \$2,820,960 §8.C.1  
Phase I (Kimball Main - \$1,664,955 and Phase II Treatment Plant - \$1,156,005)
- ❖ Oak Street Napa River Outfall at Logvy Park – Partnered with  
Napa County Flood Control (50/50) to repair 48” collapsed outfall  
structure –\$7,500 each completed March 2014



# **Southeast Drainage Improvements**

**Channel widening  
and culvert  
installation**

# Kimball Water Treatment Plant



A photograph of a new filter bank at the Kimball Water Treatment Plant. The equipment is painted a light cream color and consists of several large cylindrical filter units connected by a complex network of pipes. In the foreground, there are large valves with handwheels and pressure gauges. To the right, there are two large electric motors. In the background, two large spherical storage tanks are visible. A green tractor is parked on the left side of the gravel area. The entire facility is situated outdoors on a gravel pad with a grassy hillside and trees in the background.

**New Filter Bank at  
Kimball Water  
Treatment Plant**

# Kimball Bypass Structure





Repaired 48" RCP Outfall  
into the Napa River at  
Logvy Park (North Oak  
Street)

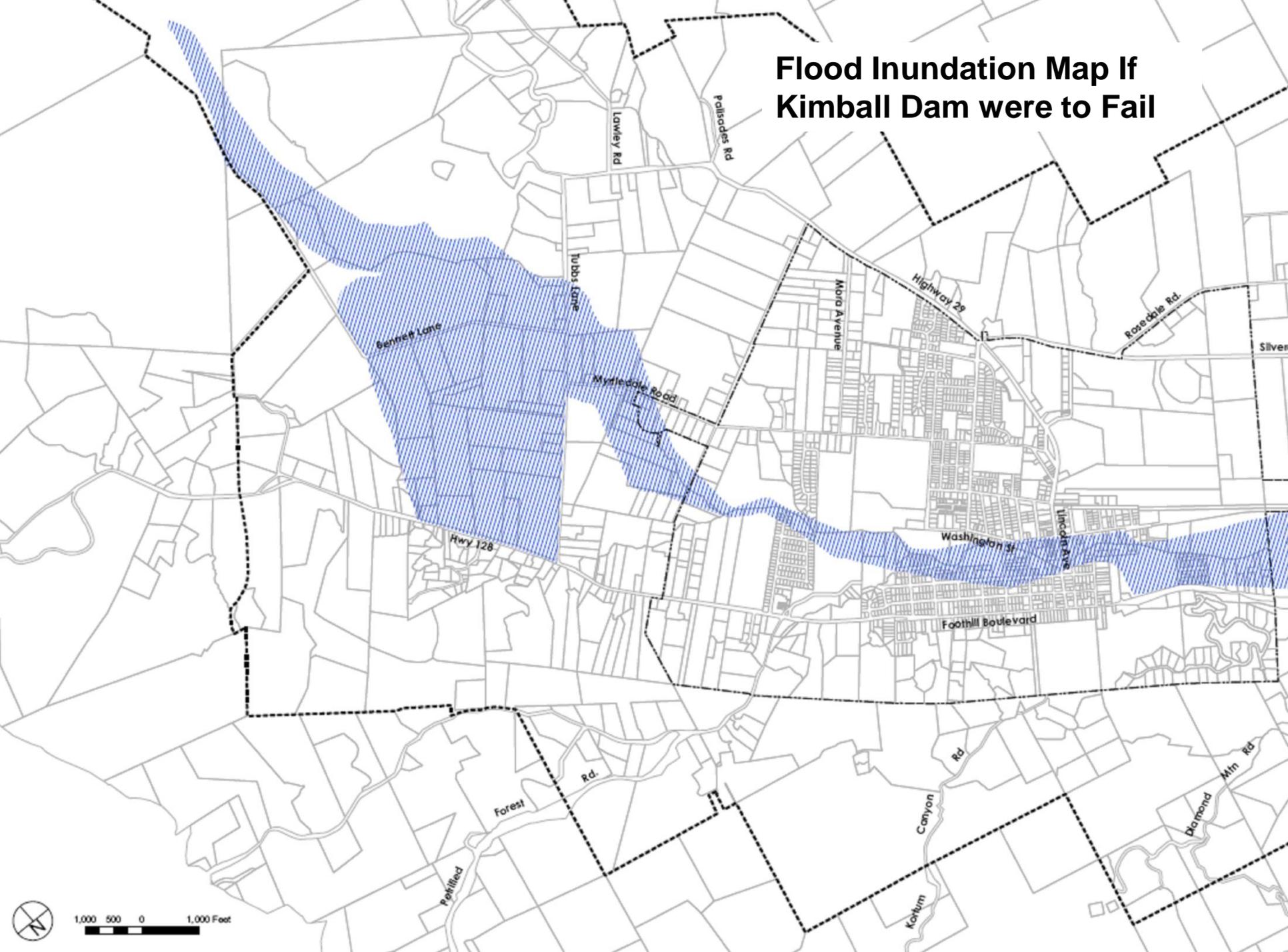
# Planned Measure A Projects

- ❖ Kimball Reservoir Emergency Drain Valve and Replace Intake Tower §8.C.1
- ❖ Grant St. Culvert Reconstruction between Redwood Ave. and Michael Way – Fall 2014 §8.C.2
- ❖ Abandon Old Water Supply Main from Kimball Reservoir §8.C.1
- ❖ Maintenance Dredging of Kimball Reservoir §8.C.1 is currently being evaluated for cost effectiveness.

A landscape photograph showing a valley with a dam in the distance. The foreground is a grassy field with a small, square, metal structure (the drain valve) on the right. The middle ground is filled with dense green trees and shrubs. The background shows rolling hills and mountains under a clear blue sky. A white arrow points from the text box to the drain valve structure.

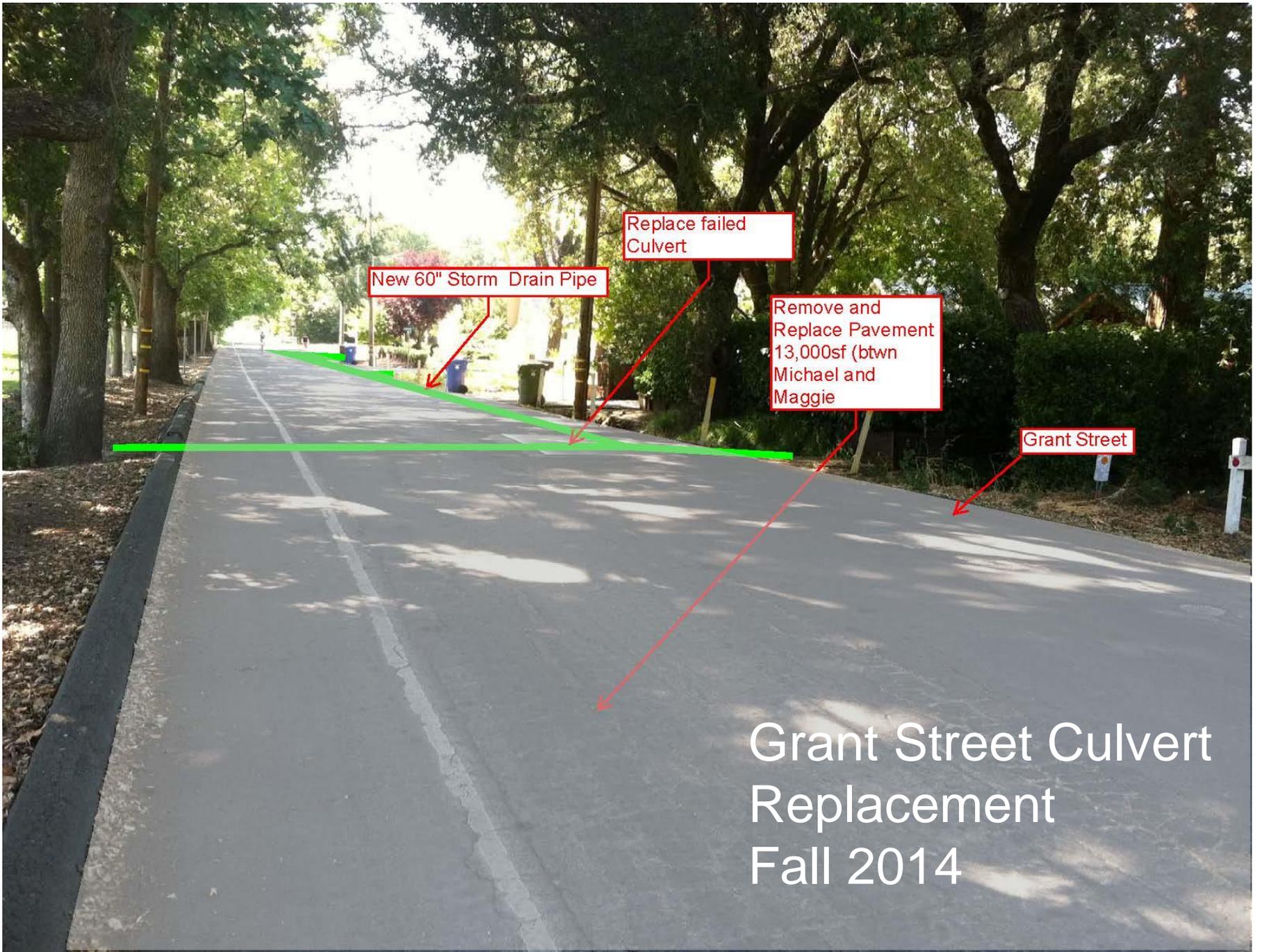
**Kimball Dam  
Emergency  
Drain Valve**

# Flood Inundation Map If Kimball Dam were to Fail





**Kimball Reservoir  
Intake Tower**



Replace failed  
Culvert

New 60" Storm Drain Pipe

Remove and  
Replace Pavement  
13,000sf (btwn  
Michael and  
Maggie

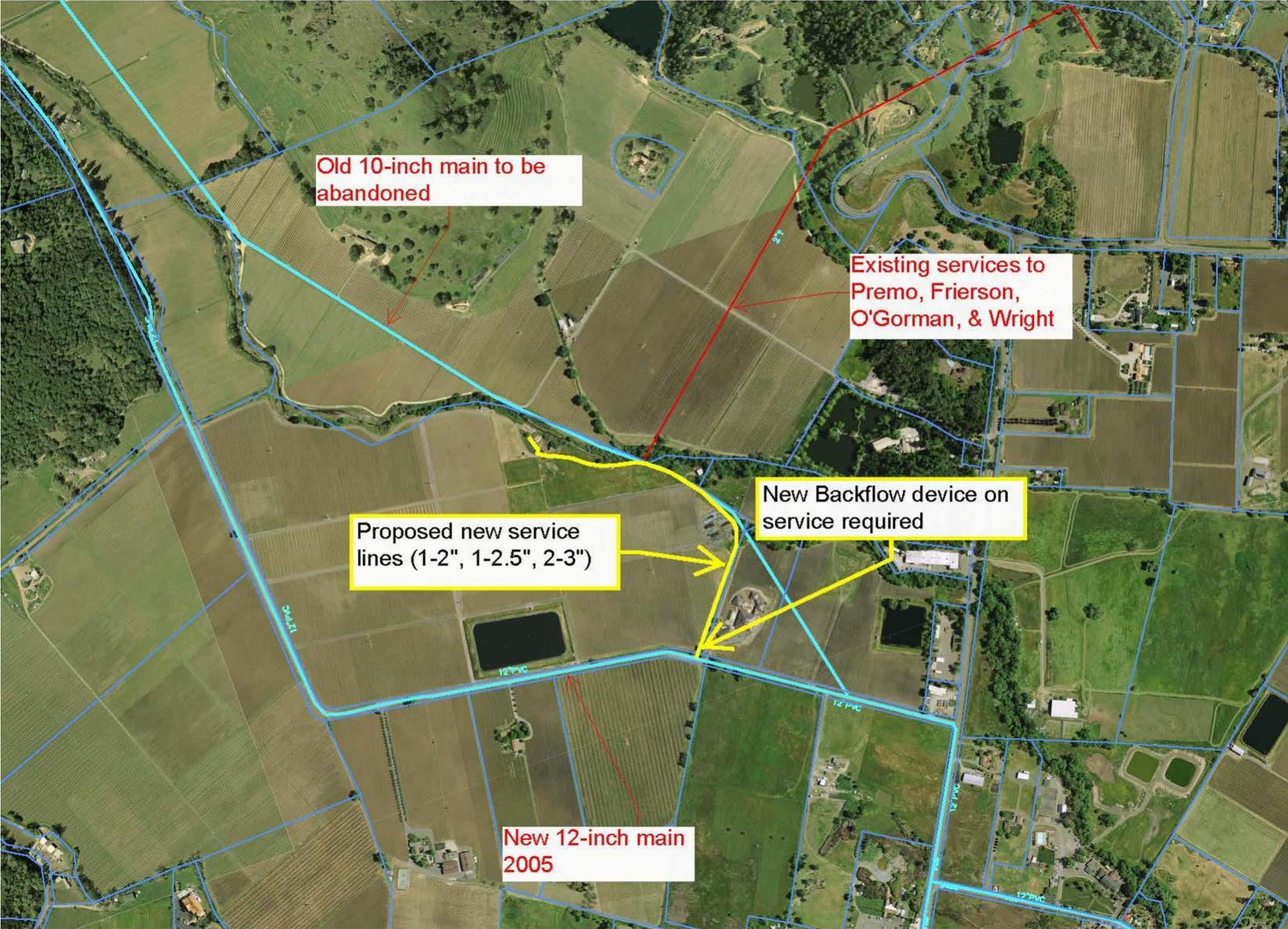
Grant Street

# Grant Street Culvert Replacement Fall 2014

A photograph showing the existing inlet of a culvert on Grant Street. The culvert is a concrete structure with a rocky stream bed. The inlet is surrounded by dense green foliage and trees. A paved road runs alongside the culvert, with a white car visible in the distance. The scene is brightly lit, with shadows cast by the trees.

Grant Street Culvert  
Existing Inlet

# Kimball Water Service Relocation Project



Questions?

