



**Sonoma  
Water**

Sonoma Valley County Sanitation District

# System Protection Plan at Kohler & Sonoma Creek Crossings Project

## HEARING OF NECESSITY

PRESENTATION TO  
SONOMA VALLEY COUNTY SANITATION DISTRICT,  
BOARD OF DIRECTORS

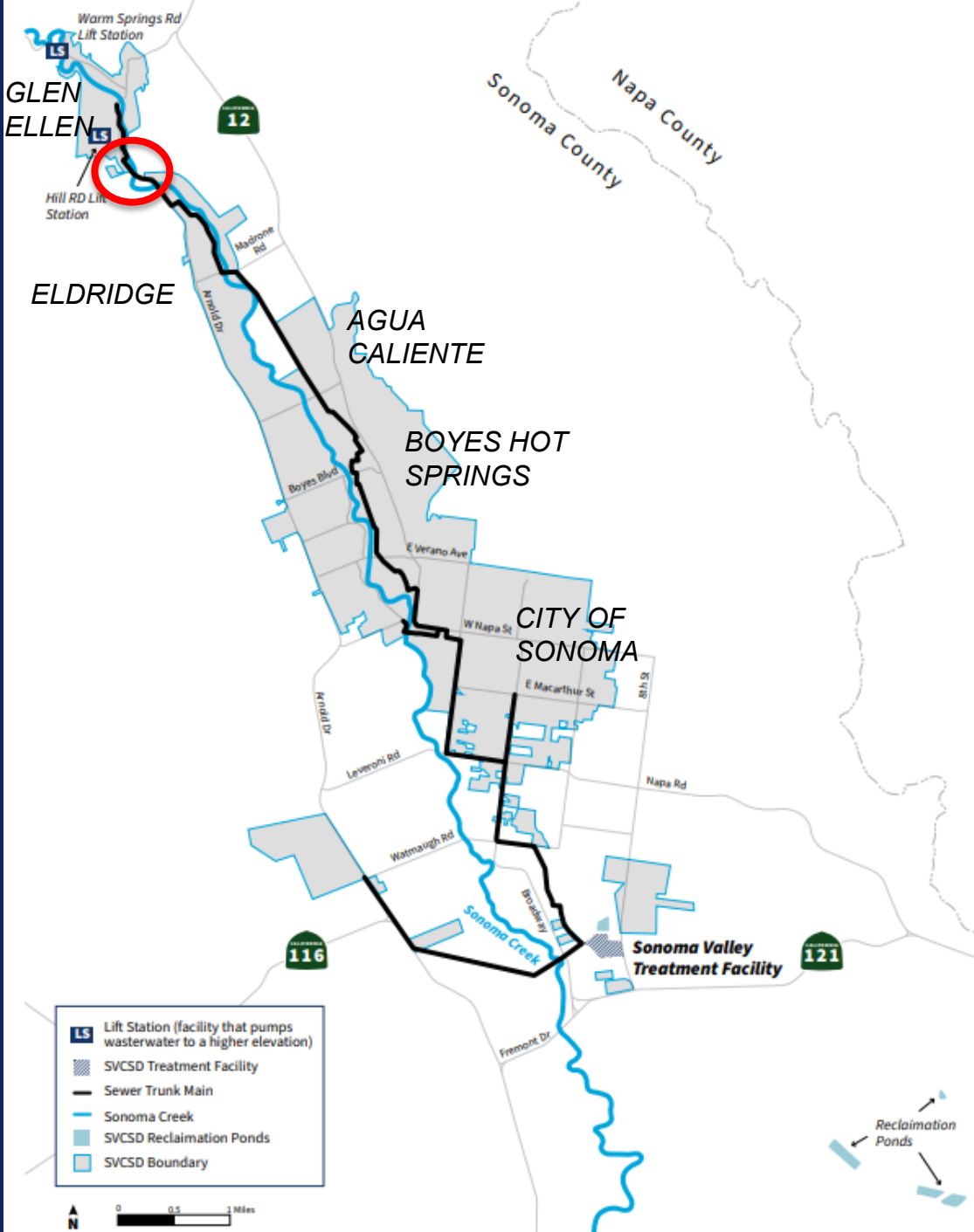
OCTOBER 8, 2024



# Presenters

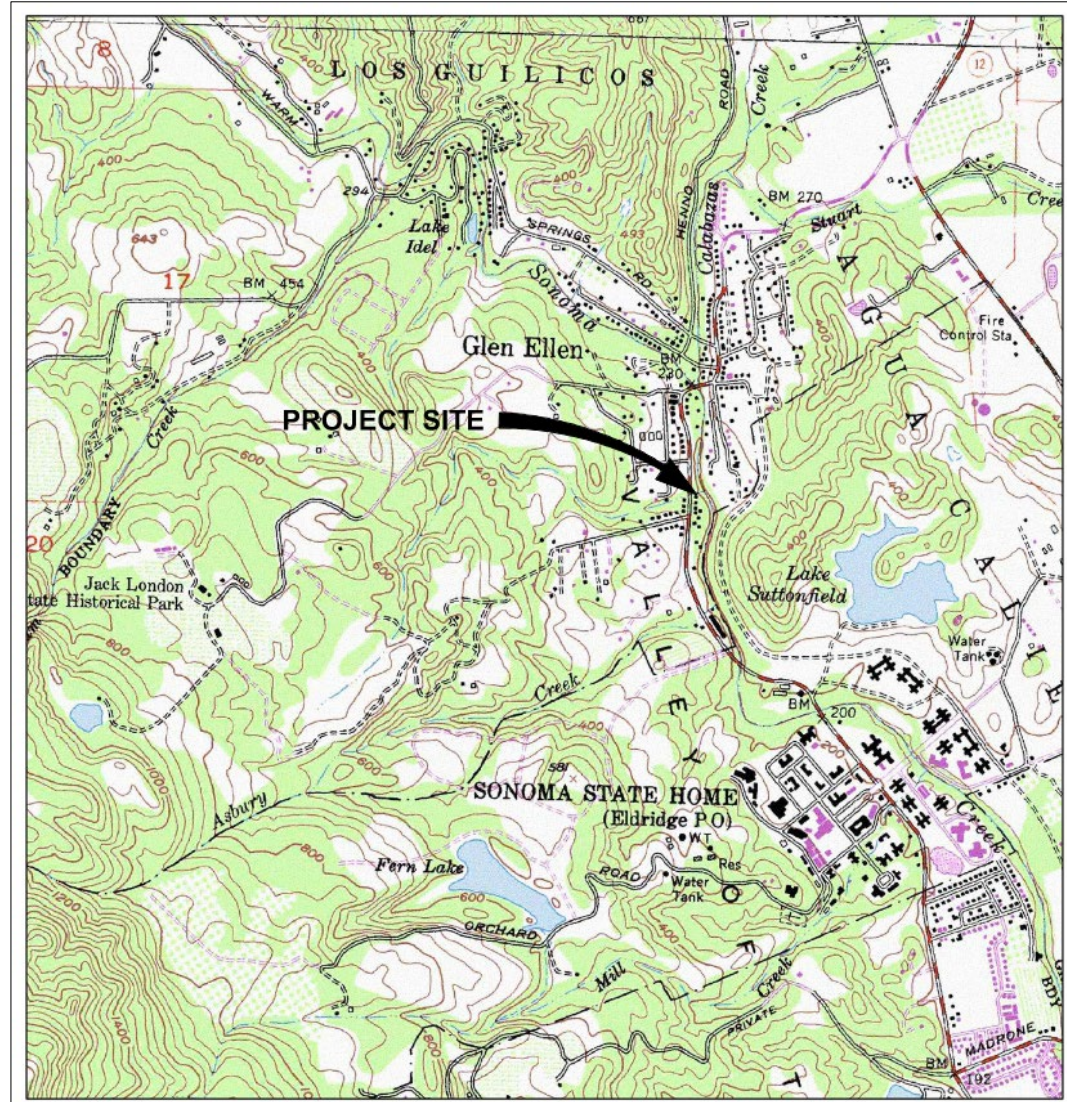
- Carlos Diaz
  - Deputy Director of Engineering
- Sharina Arevalos
  - Right of Way Agent
- Adam Brand
  - Chief Deputy County Counsel

# Sewer Collection System Overview

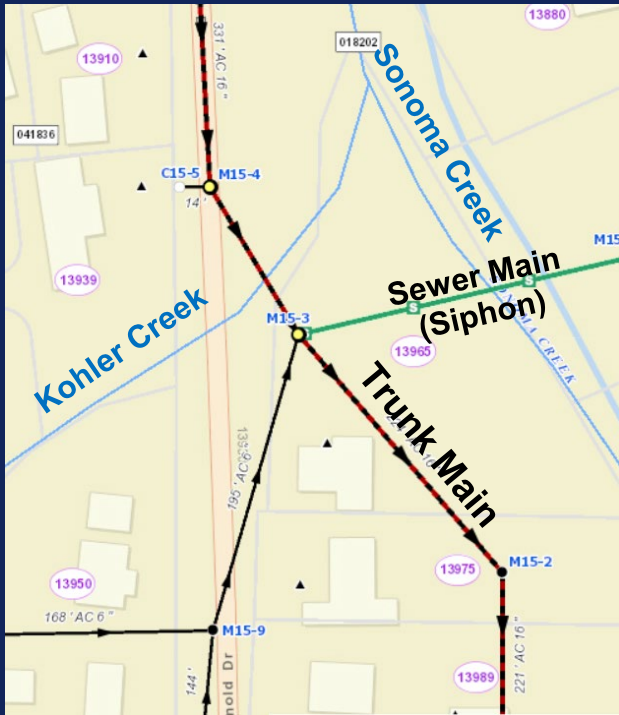


# Location

- Private residence at 13965 Arnold Drive
- Confluence of Sonoma Creek and Kohler Creek
- Appx 1/3 mile south of Glen Ellen's center



# Project Background



- District's main trunk serving Glen Ellen area
- Sewer trunk main
  - 16-inch diameter AC pipe
  - Exposed concrete casing where it traverses Kohler Creek
  - In backyard between house and Sonoma Creek
- Sewer main
  - 6-inch AC pipe
  - Serves appx 16 parcels east of Sonoma Creek
  - Siphon in concrete casing exposed in Sonoma Creek
- Severe stream erosion exposed infrastructure in 2017 and 2019

# Public Interest and Necessity



- Project need
  - Creek bank and bed erosion is threatening sewer infrastructure
- Project purpose
  - Employ biotechnical stabilization of streambanks to prevent further erosion
  - Protect siphon and sewer infrastructure exposed in channel beds
- Project requires temporary and permanent easements for construction and maintenance

# Bank Erosion: Three Sites



# Kohler Creek: Current Conditions

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**Temporary Rock was placed as an emergency, this Project will permanently secure bank and sewer infrastructure**





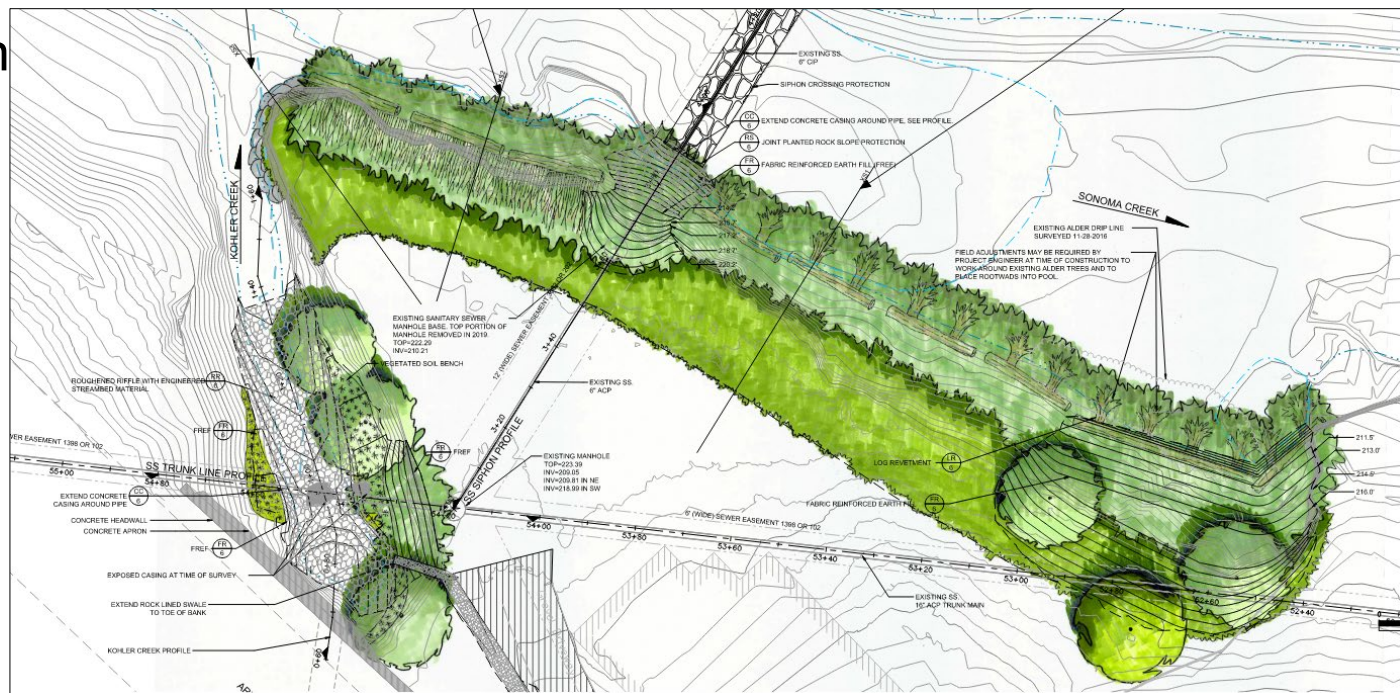
# Sonoma Creek: Current Conditions

- Site 1: Trunk main temporarily protected with riprap
- Site 2: Sewer main temporarily protected with k-rail and riprap, and manhole top removed

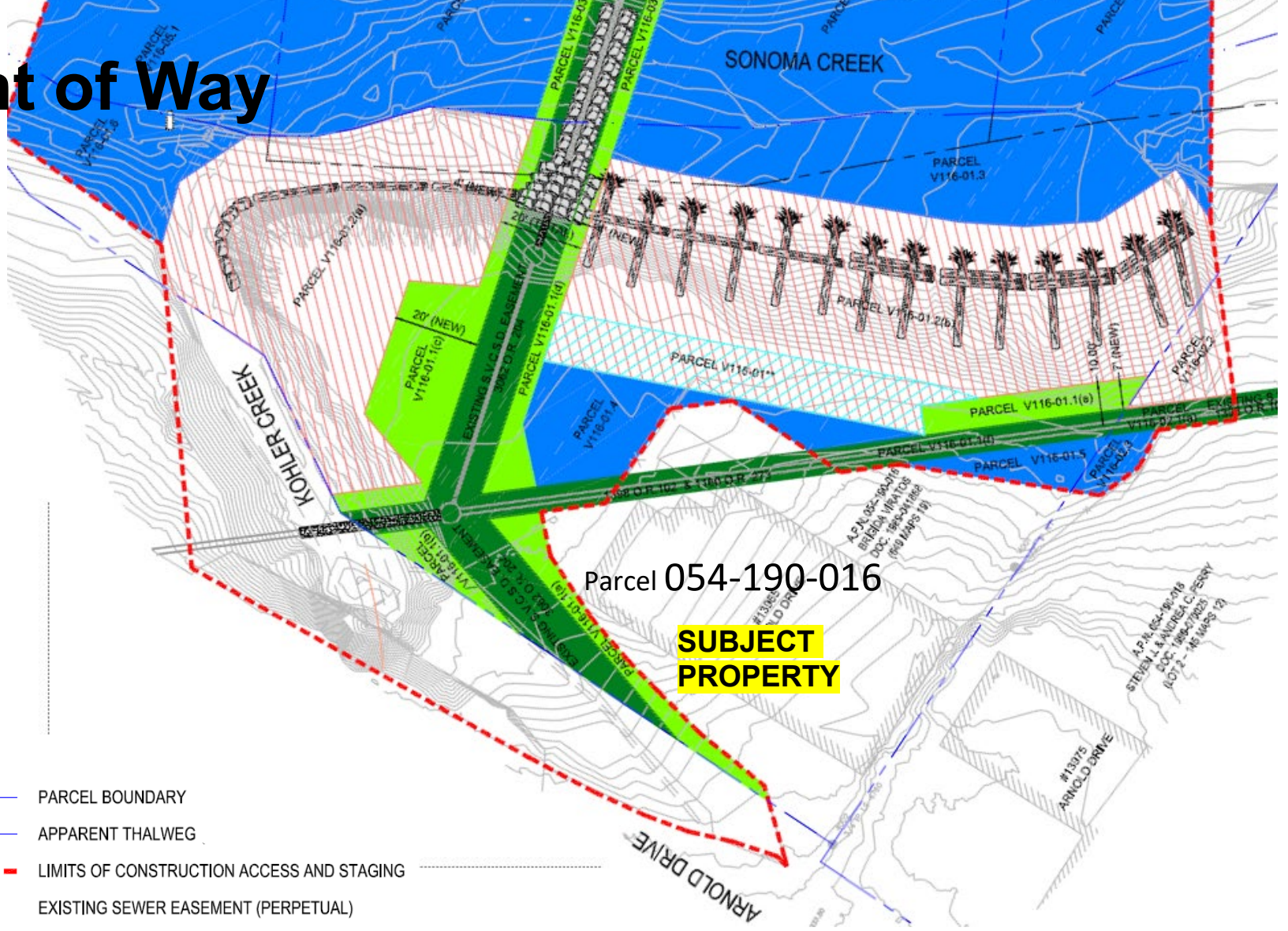


# Project Elements

- Remove emergency (temporary) riprap
- Install biotechnical bank stabilization on Sonoma and Kohler Creeks
- Install siphon crossing protection on Sonoma Creek
- Install roughened ramp on Kohler Creek to protect trunk main
- Erosion control
- Revegetation



# Right of Way



**LEGEND KEY**

- - - PARCEL BOUNDARY
- · — · APPARENT THALWEG
- - - LIMITS OF CONSTRUCTION ACCESS AND STAGING
- EXISTING SEWER EASEMENT (PERPETUAL)
- PROPOSED - PERPETUAL SEWER EASEMENT(PSE)
- POTENTIAL ROUTE OF INGRESS END EGRESS
- PROPOSED - LIMITED DURATION (25 YEAR TERM)
- TEMPORARY CONSTRUCTION EASEMENT (TCE)



# PROJECT SUMMARY

Project requires Temporary and Permanent Easements from property owners and staff will continue to work diligently with the remaining property owner and their lending institutions to reach agreement for the Project.

## Today's Hearing Purposes:

- Finding that the public necessity requires the Project
- Finding that Project is planned or located to provide the greatest public good and the least private harm
- Finding that if the property to be acquired is necessary for the Project
- Finding that the property owner received an original offer dated May 24, 2024 and an updated offer September 9, 2024 required in accordance with the requirements of Government Code section 7267.2 and Code of Civil Procedure section 1263.025



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