



**Public Works Agency**

*Water and Sanitation  
Department*

# ***Ventura County Waterworks District No. 19 Infrastructure improvement Program***

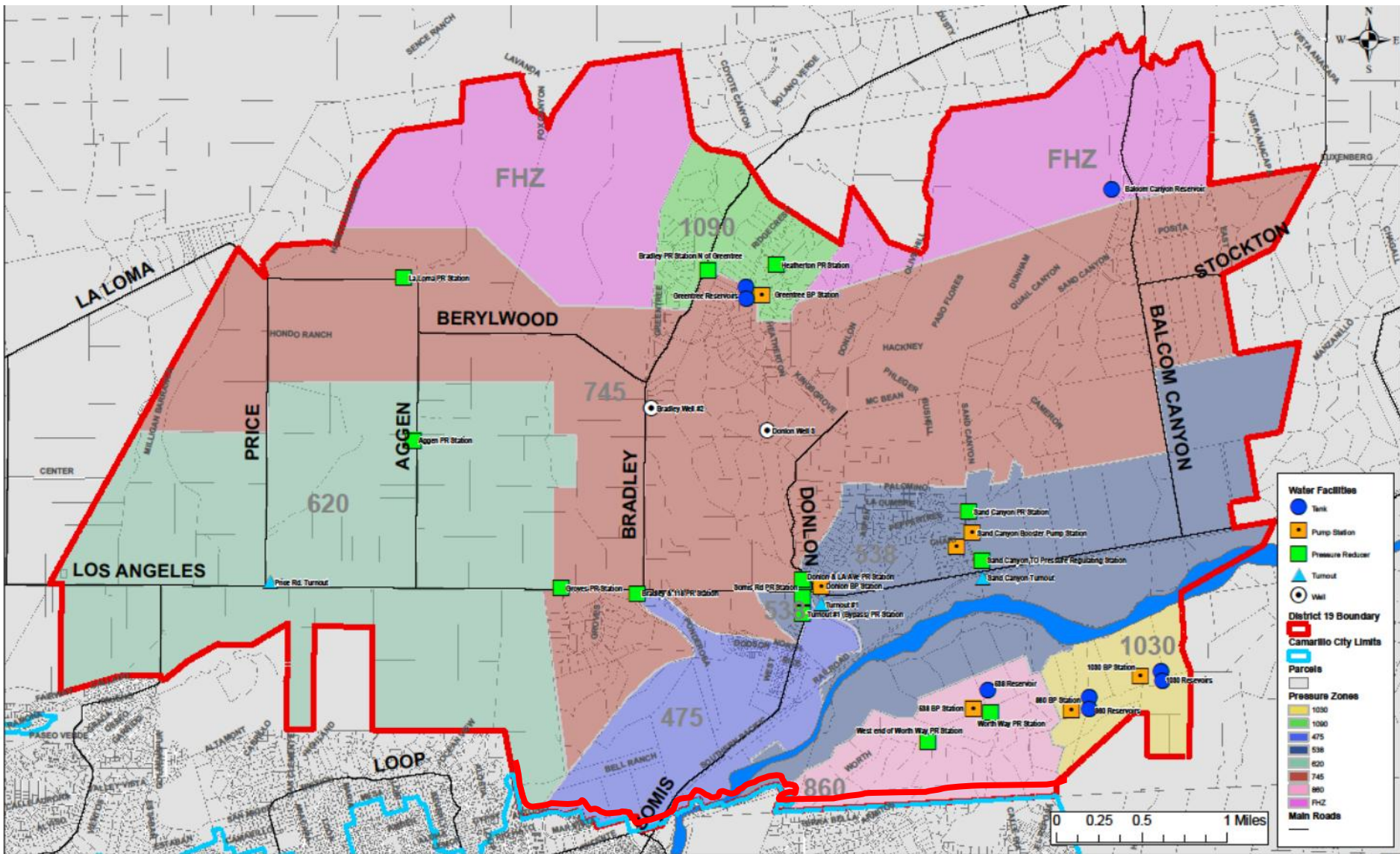
***Presentation to Somis MAC***  
*Reddy Pakala, Director*  
*Water and Sanitation Department*  
*May 28, 2014*

# ***Ventura County Waterworks District No. 19 (District 19)***

- Provides potable water for approximately 1,060 customers including residential, commercial, agriculture, and fire protection services in the community of Somis and surrounding areas
- Serves approximately 14,300 acres



# District 19 Service Area



# ***District 19***

## **Formed on November 4, 1980**

- Assumed responsibility from the Rancho Las Posas Mutual Water Company (Mutual) at the request of Mutual
- Mutual's water system was
  - In disrepair
  - Did not comply with State's minimum standards
  - Did not have an adequate water supply and storage
- To provide a reliable water supply to its customers, District 19 obtained grants and low-interest loans to construct
  - Reservoirs
  - Booster pump stations
  - Connections to the Calleguas Municipal Water District (turnouts)







## DISTRICT 19 INFRASTRUCTURE

56	Miles of Water Lines (296,000 Feet)
170	Fire Hydrants
544	Valves
8	Reservoirs
8	Booster Pump Stations
17	Pressure Reducing Stations
3	Groundwater Wells
3	Calleguas Turnouts

# Water Quality



California State Water Project

- **Imported water** meets all State-mandated water quality requirements including chlorides, iron, and manganese limits.

- **Local groundwater** has elevated iron and manganese levels which cause “brown water.”
- Though not a health hazard, elevated iron and manganese levels are of concern for many customers.
- Aged water pipelines are also exacerbating the “brown water” condition.



Flushing

- Until wellhead treatment is completed and older water lines are replaced, District 19 is managing the water quality by aggressively **flushing** the water distribution system.

# Ageing Infrastructure



More than 36% (20 miles) of District 19's water lines are over 50 years old (before 1962)



District prepared a multi-year Infrastructure Improvement Program and presented it to our customers and to the Ventura County Board of Supervisors in 2003



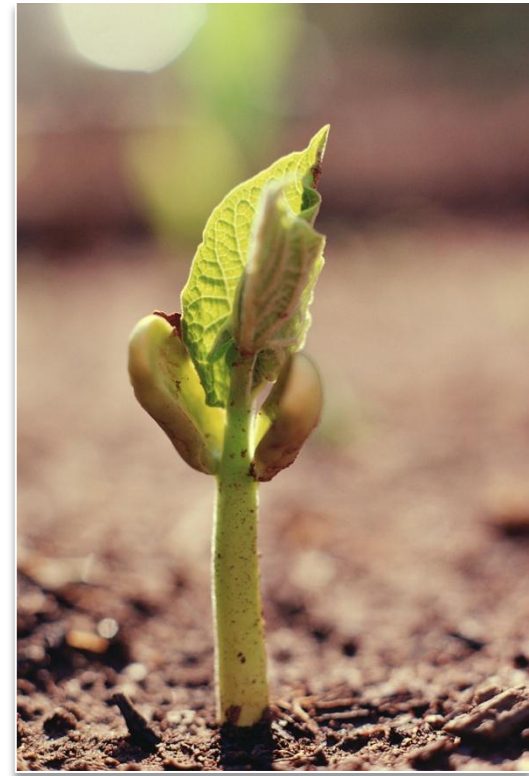
Since that time, District 19 has replaced \$1.5 million worth of water lines

# USDA Loan



Committed to the Future  
of Rural Communities

- District 19 researched several funding sources and identified a \$5.0 million low-interest loan from the United States Department of Agriculture (USDA) to fund the proposed capital improvement program.
- September 2013 - California Environmental Quality Act (CEQA) process completed
- February 2014 - Received USDA loan approval





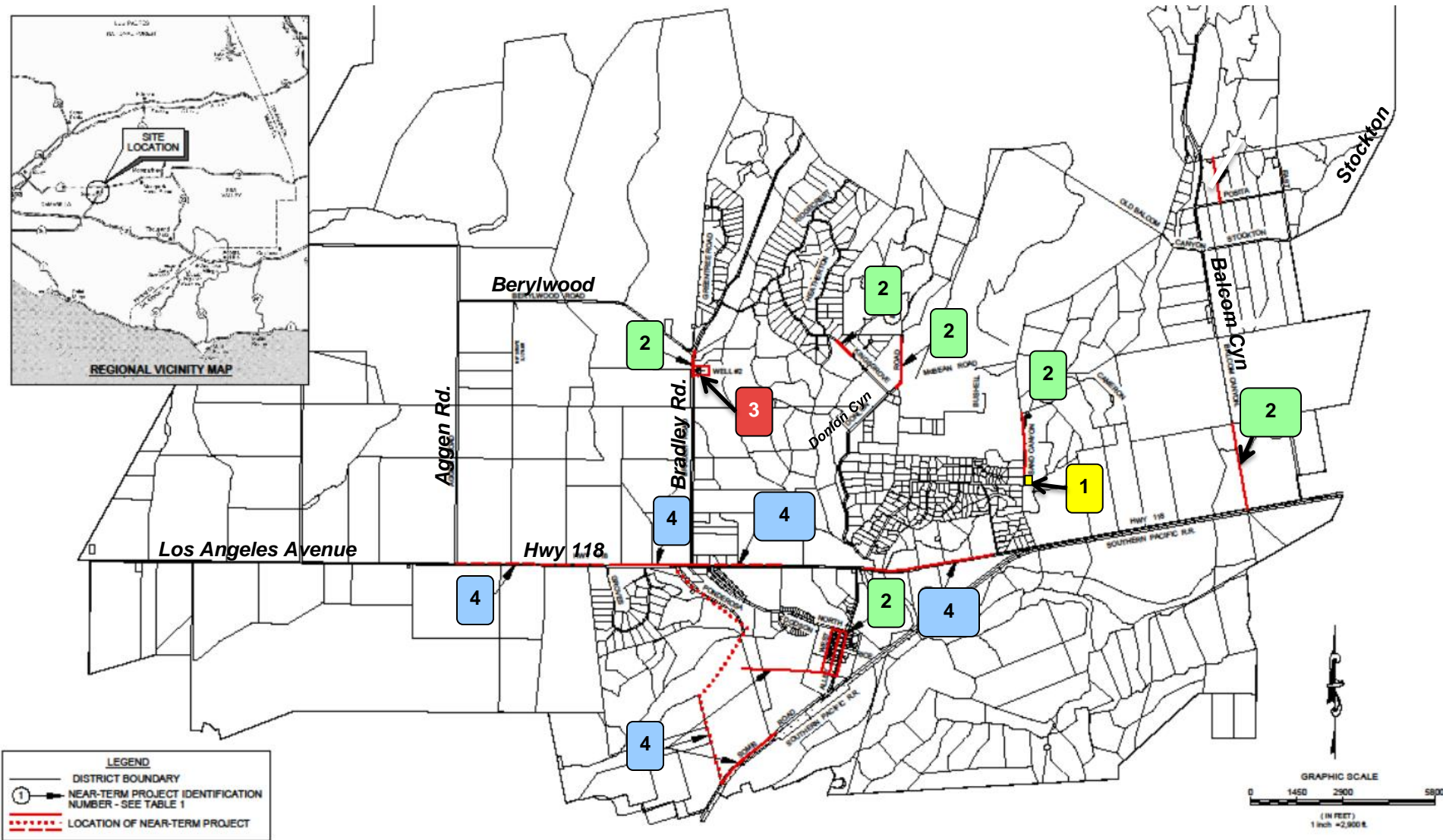
# ***First Phase of Infrastructure Improvement Program (\$5.0 Million)***



- Upgrade of Sand Canyon Booster Pump Station
- Construction of iron and manganese treatment facility at Well No. 2
- Replacement of approximately 30,000 linear feet (5.7 miles) of water lines and appurtenances

<i>Project Designation</i>	<b><i>Ventura County Waterworks District No. 19 First Phase of the Infrastructure Improvement Program</i></b>
1	Sand Canyon Road Booster Pump Station Upgrade
2	Pipelines Replacement within County Roads Right-of-Way (Six Components)
3	Well No. 2 Iron and Manganese Treatment Facility
4	Pipelines Replacement within Caltrans Right-of-Way (Five Components)

## Location of Projects



## Ventura County Waterworks District No. 19

### ACTIVE PROJECTS

<i>Project Designation</i>	<i>Project Name</i>	<i>Low Bid or Estimated Construction Cost</i>	<i>Scheduled or Actual Dates</i>				<i>Percentage of Design Completed</i>	<i>Percentage of Construction Completed</i>
			<i>Plan Approved</i>	<i>Contract Awarded</i>	<i>Construction Started</i>	<i>Construction Completed</i>		
1	Sand Canyon Road Booster Pump Station Upgrade	\$332,211 <i>J&amp;H Engineering</i>	07/13	11/13	12/13	08/14	100%	10%
2	Pipelines Replacement Within County Roads Right-of-Way	\$2,232,000 <i>Ferreira Construction Inc.</i>	10/13	01/14	02/14	09/14	100%	50%
3	Well No. 2 Iron and Manganese Treatment Facility	\$1,562,000	07/14	10/14	11/14	11/15	95%	00%
4	Pipelines Replacement Within Caltrans Right-of-Way	\$344,000	12/14	03/15	04/15	04/16	95%	00%





# Questions?

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Public Works Agency

