



Santa Clarita Valley Water Agency

Board of Directors
Capital Improvement Plan
Alternate Funded Project
Summary

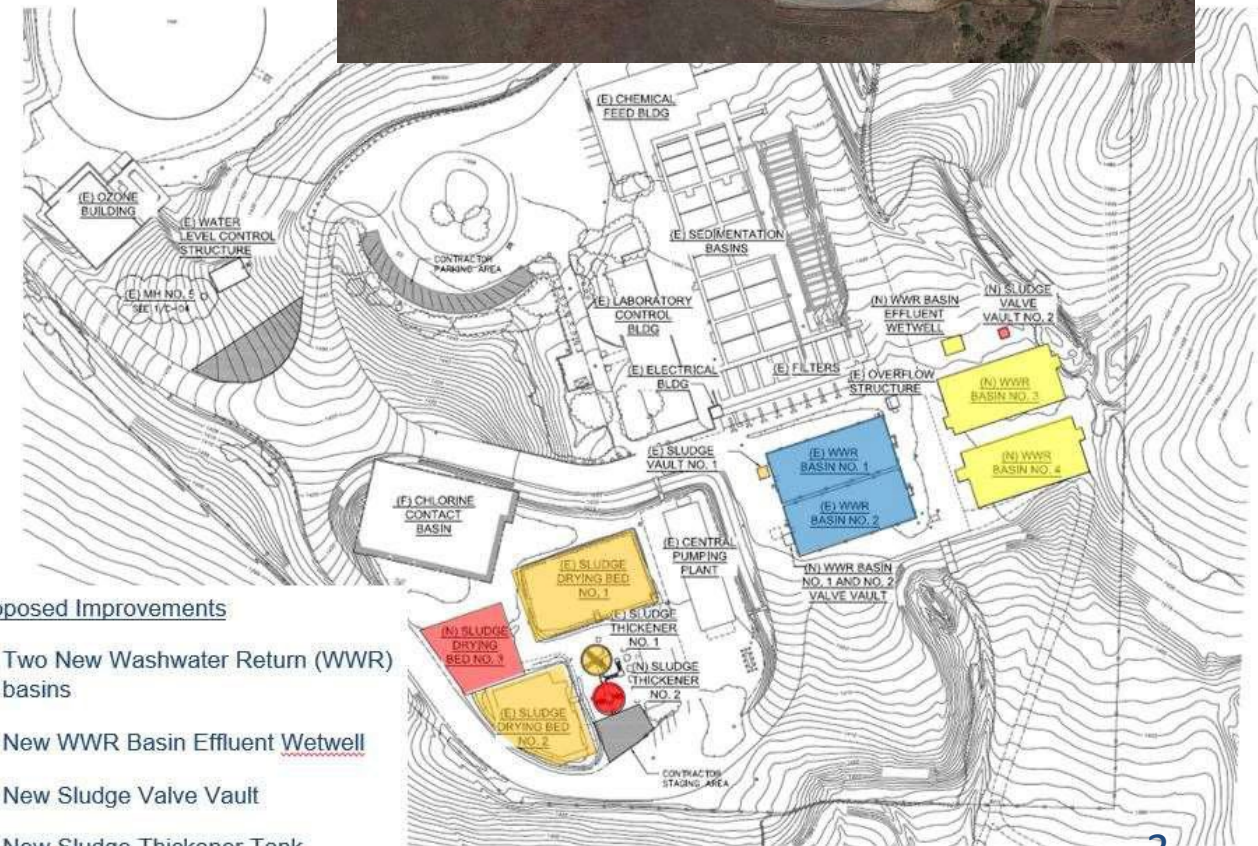
Alternate Funded CIP

Engineering and Water Resources Capital Projects	FY 2022/23 Projected
ESFP Sludge Collection System	\$ 15,000,000
Well 201 VOC Groundwater Treatment Improvements	\$ 3,300,000
Recycled Water Fill Station	\$ 1,000,000
Recycled Water Program Phase II, 2C - South End Backbone	\$ 6,000,000
Magic Mountain Pipeline No. 6	\$ 3,400,000
Magic Mountain Reservoir	\$ 3,000,000
Castaic Conduit	\$ 4,200,000
LARC Pipeline	\$ 1,500,000
Water Banking	\$ 2,300,000
Sites	\$ 1,000,000
Total Projects less than \$1 Million	\$ 1,281,000
	\$ 41,981,000



Earl Schmidt Filtration Plant (ESFP) Sludge Collection System

- Construction
 - Sludge Collection System
- Project Details
 - Upgrade of ESFP wash water return and sludge collection system.
 - 2 wash water basins
 - 1 sludge thickener tank
 - 1 sludge drying bed

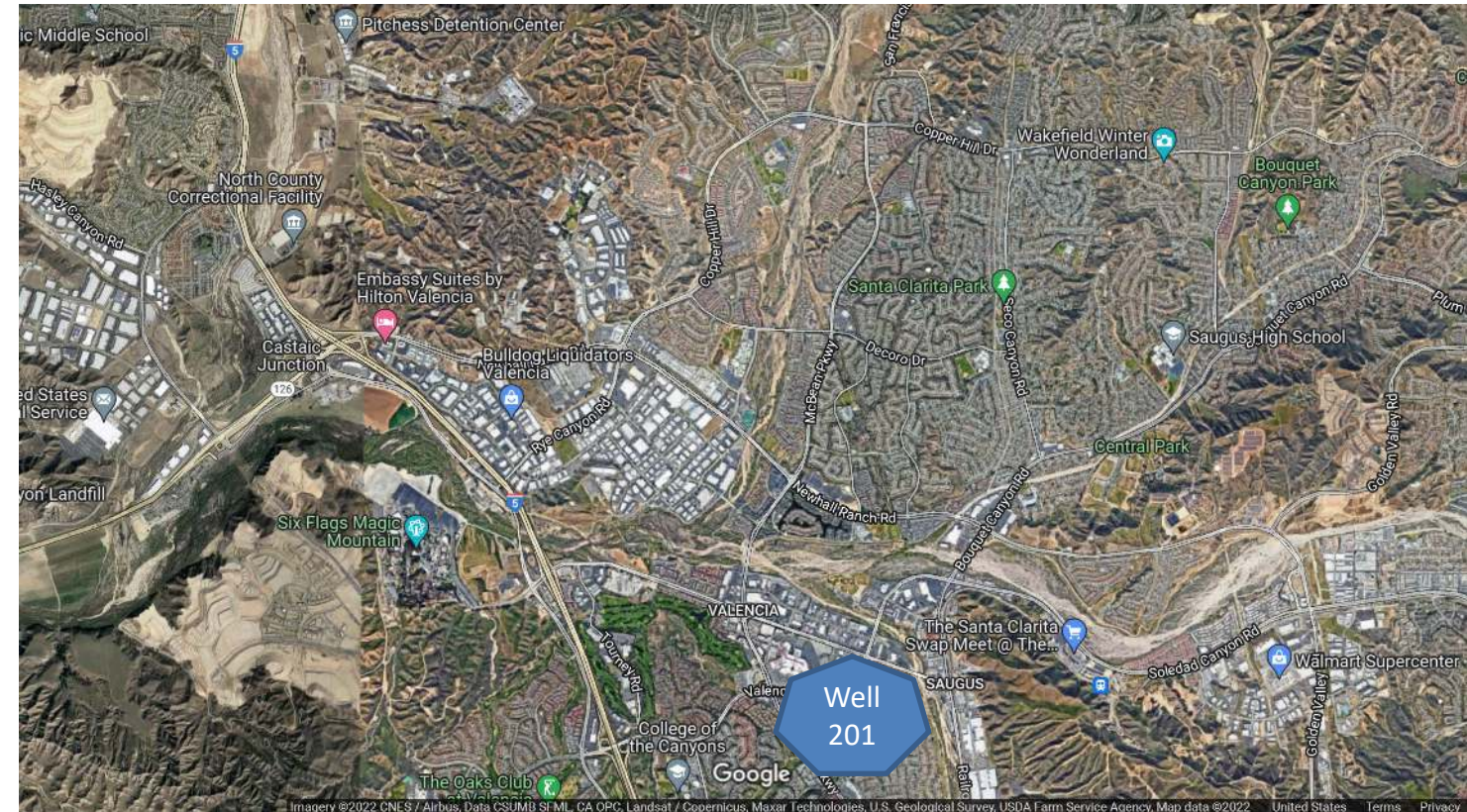


Proposed Improvements

1. Two New Washwater Return (WWR) basins
2. New WWR Basin Effluent Wetwell
3. New Sludge Valve Vault
4. New Sludge Thickener Tank
5. New Sludge Drying Bed

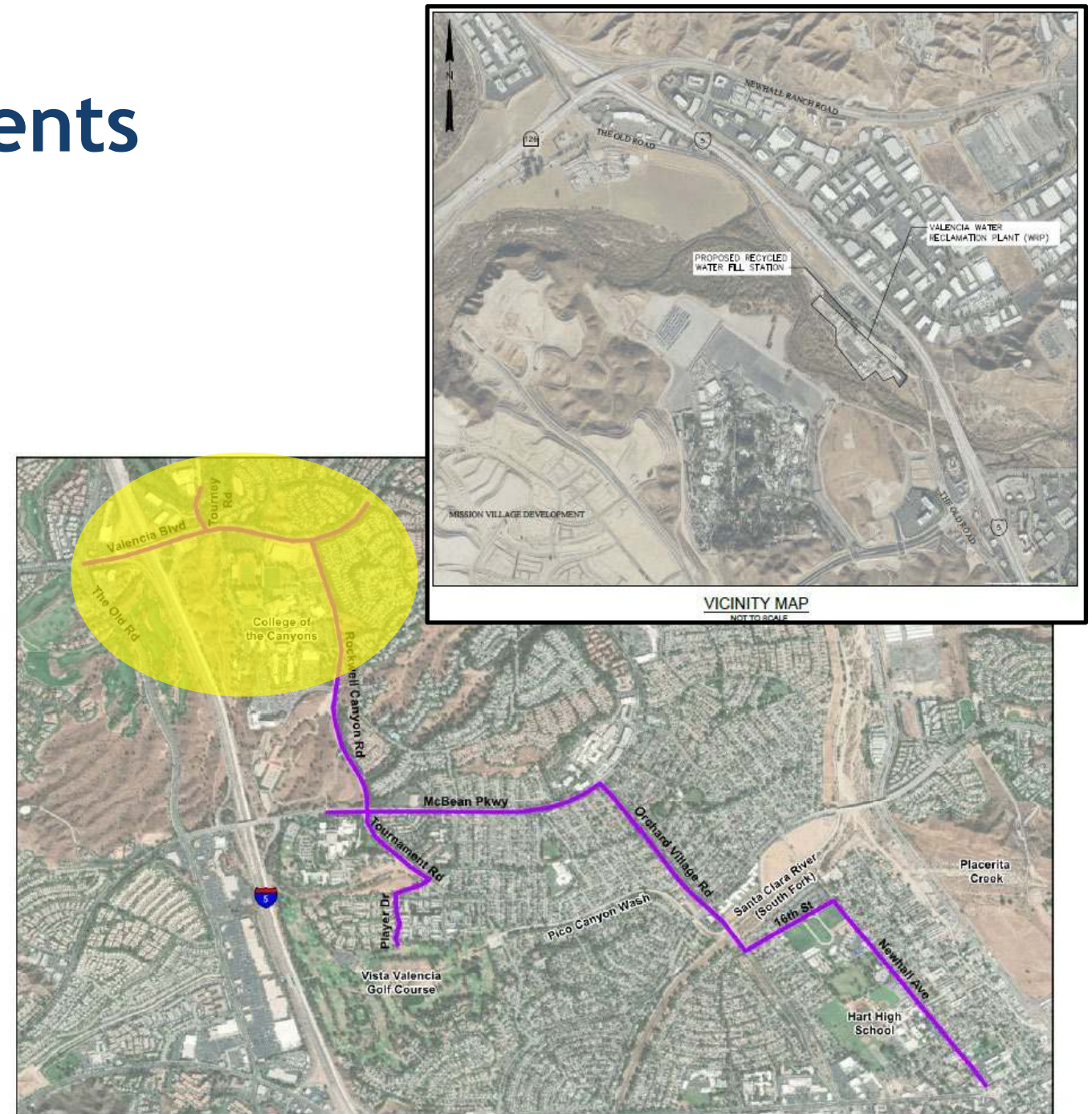
Well 201 VOC Groundwater Treatment

- Construction
 - VOC Groundwater Treatment
- Project Details
 - Construct VOC Treatment Improvements.
 - Will produce 3,250 AFY



Recycled Water Improvements

- Construction
 - Construct a new recycled water fill station at the Valencia Water Reclamation Plant.
 - Expand the recycled water system to the College of the Canyons.
- Project Details
 - Construct a recycled water fill station with two overhead pipe stands.
 - Install recycled water pipelines from Valencia Boulevard and The Old Road Intersection to the College of the Canyons (highlighted in yellow).



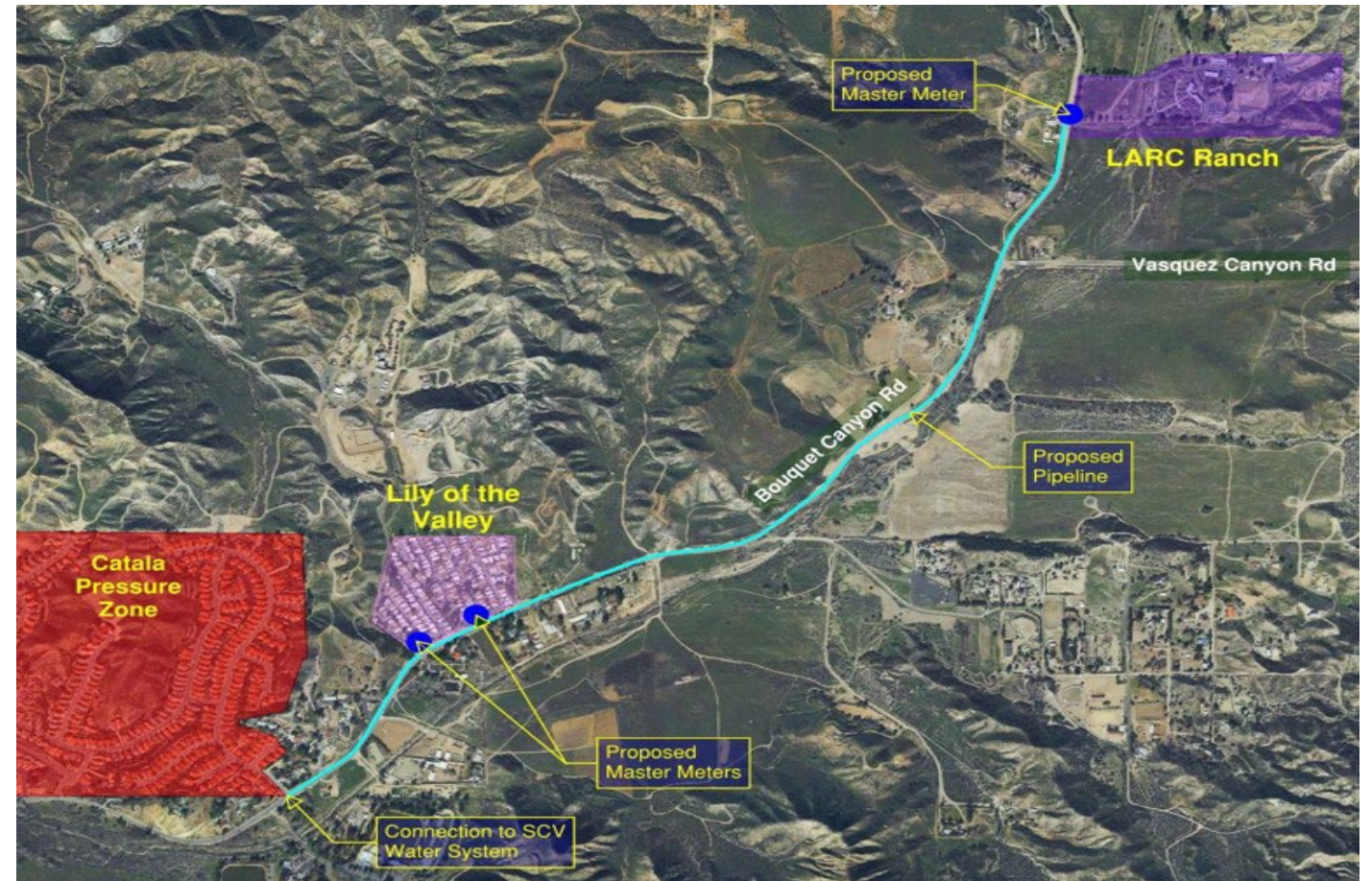
Magic Mountain 6B Pipeline and Reservoir

- Project Details
 - 2,700 feet of 42" Steel Pipeline Installation
 - Grading and installation of an 8 MG Regional Reservoir



Los Angeles Residential Community (LARC) Pipeline Project

- Funding
 - \$3.9M Grant for 8-inch pipeline
 - \$1.5M FY23 to upsize to 12-inch pipeline for existing residents
- Construction
 - 12-inch ductile iron pipeline extends 9,600 feet to LARC
 - Master Meters will serve LARC & Lily of the Valley
 - Onsite Pump Station at LARC



Water Resources - Supply Projects

- Water Banking
 - AVEK
 - Mid Valley
 - Rosedale
- Sites Reservoir
 - Participating in a new surface water reservoir.



Alternate Funded CIP

Engineering and Water Resources Capital Projects	FY 2023/24 Projected
ESFP Sludge Collection System	\$ 8,000,000
Well 201 VOC Groundwater Treatment Improvements	\$ 4,500,000
Additional Wells T7,U4, & U6 (NEW)	\$ 13,000,000
Recycled Water Program Phase II, 2C - South End Backbone	\$ 4,000,000
S Wells 6, 7, 8 (NEW)	\$ 1,500,000
Magic Mountain Reservoir	\$ 2,000,000
Santa Clara / Honby Wells (NEW)	\$ 4,900,000
Mitchell 5A replacement (NEW)	\$ 3,000,000
Water Banking	\$ 2,700,000
Sites Reservoir	\$ 780,000
Total Projects less than \$1 Million	\$ 4,234,000
	\$ 47,834,000



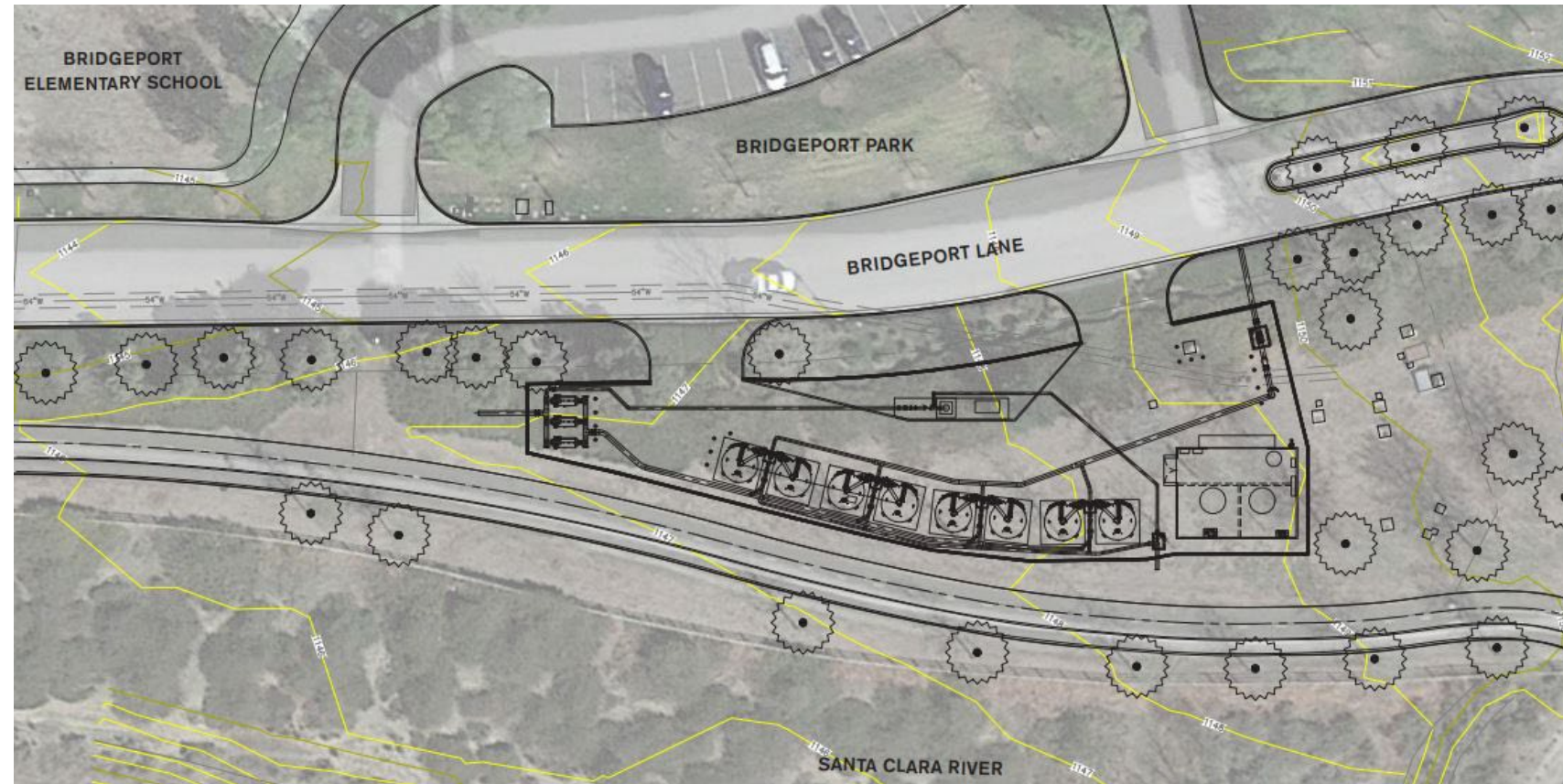
Well Treatment for T7, U4, and U6 plus VOC treatment for Saugus 1 and Saugus 2

- Construction
 - New VOC Treatment on existing treatment site
 - New Chemical Building
 - New Cartridge Filters
 - New Ion Exchange Trains
- Supply
 - T7, U4, and U6 will produce up to 3,500 gpm after treatment
 - Saugus 1 and Saugus 2 will produce up to 2400 gpm
 - Well Q2 is also onsite and will use the Chemical building.



Well Treatment for S6, S7, and S8

- Construction
 - 8 Ion Exchange Vessels with 4 trains
 - Chemical Building
 - Potential for future S9 Well
- Supply
 - Up to 6,000 gpm after treatment
 - Future S9 would be permitted for 1,000 gpm



Santa Clara / Honby Well Treatment

- Construction
 - New Ion Exchange Vessels
 - New Chemical Building
 - Pipeline between Santa Clara and Honby Wells
- Supply
 - Up to 2,000 gpm after treatment



Mitchell 5A Replacement Well

- Construction
 - Developer to abandon the existing Mitchell 5A as part of Bridge Construction
 - New location for well is still to be determined
- Supply
 - Up to 1,000 gpm.



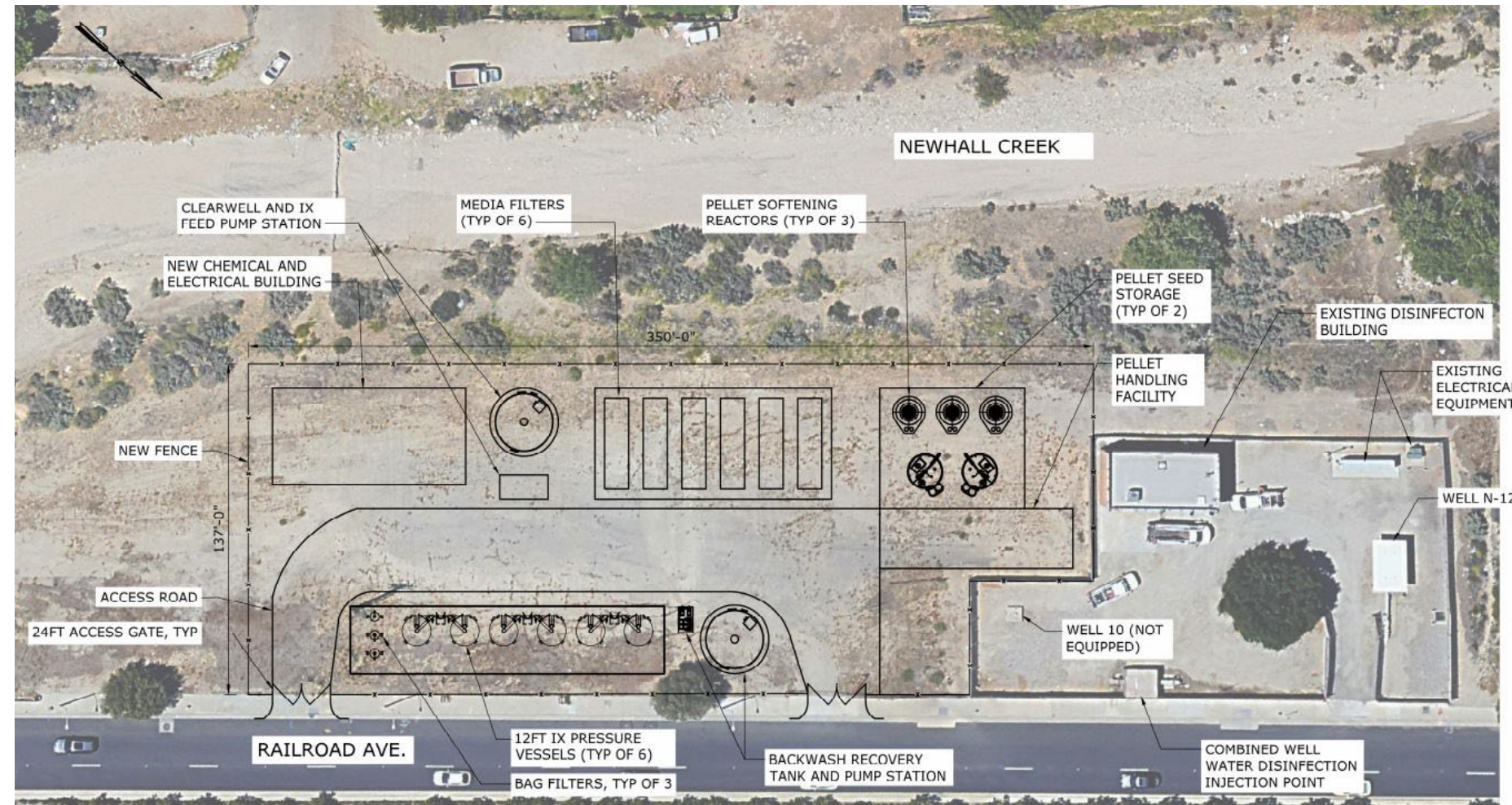
Alternate Funded CIP Overview

Engineering and Water Resources Capital Projects	FY 2024/25 Projected
Castaic Conduit (Continuation from FY 22/23)	\$ 2,500,000
Saugus Wells (N11, N12, N13) (NEW)	\$ 7,000,000
Additional Wells T7,U4, & U6	\$ 3,000,000
Recycled Water Program Phase II, 2C - South End Backbone	\$ 1,500,000
S Wells 6, 7, 8	\$ 10,000,000
Magic Mountain Reservoir	\$ 8,000,000
Newhall Ave Railroad Crossing (NEW)	\$ 1,750,000
Mitchell 5A replacement	\$ 2,000,000
Saugus Dry Year Reliability (Wells 5 & 6) (NEW)	\$ 1,000,000
Water Banking	\$ 2,700,000
Sites Reservoir	\$ 1,280,000
Total Projects less than \$1 Million	\$ 2,461,000
	\$ 43,191,000



Well Treatment for Wells N11, N12, and N13

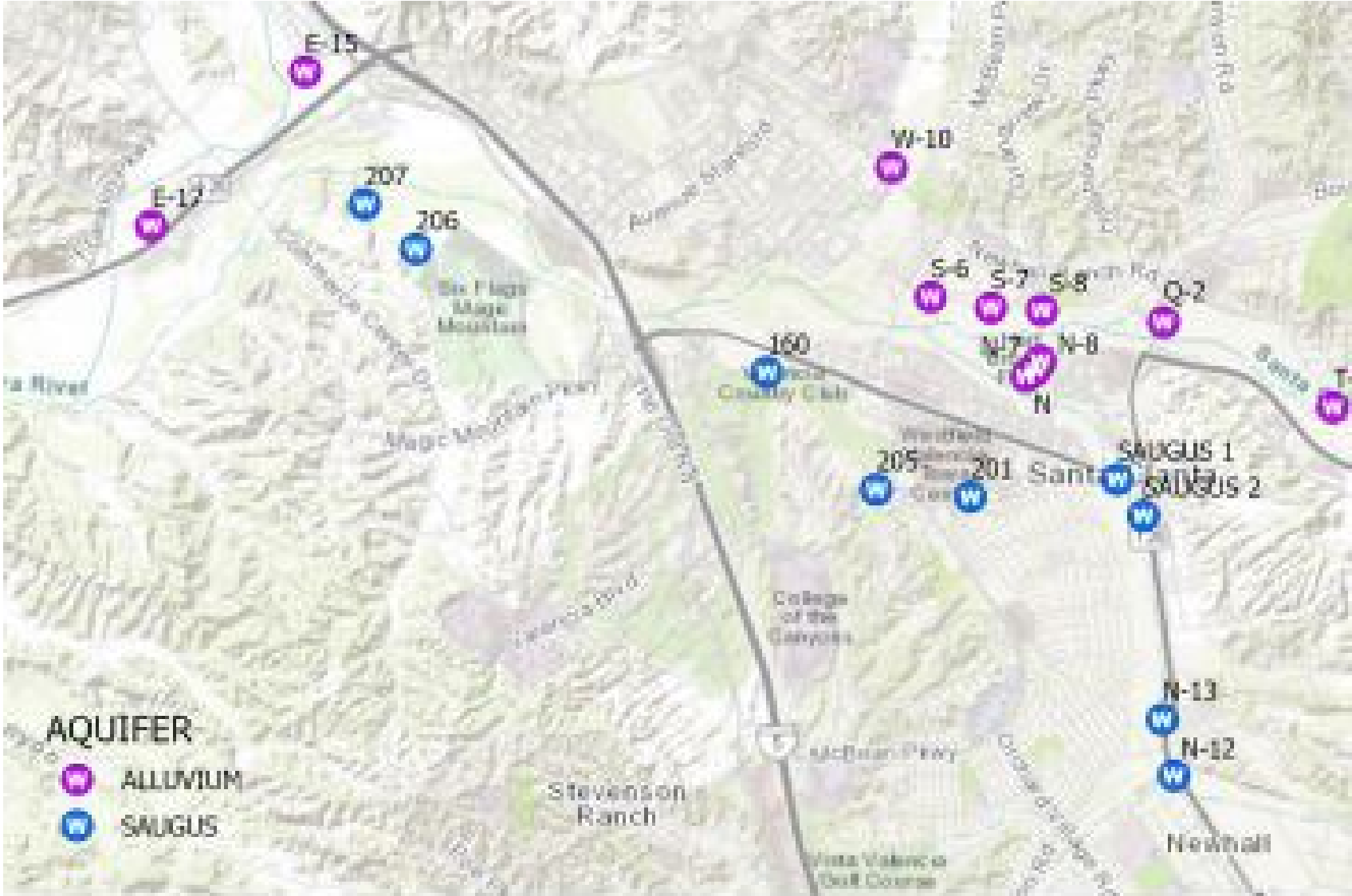
- Construction
 - 6 PFAS Treatment Vessels
 - Pellet Softening
 - New Chemical Building
 - Space for future well
- Supply
 - Projected to produce up to 6,000 gpm



Newhall Ave Railroad Crossing



Saugus Dry Year Reliability (Saugus 5 and Saugus 6)



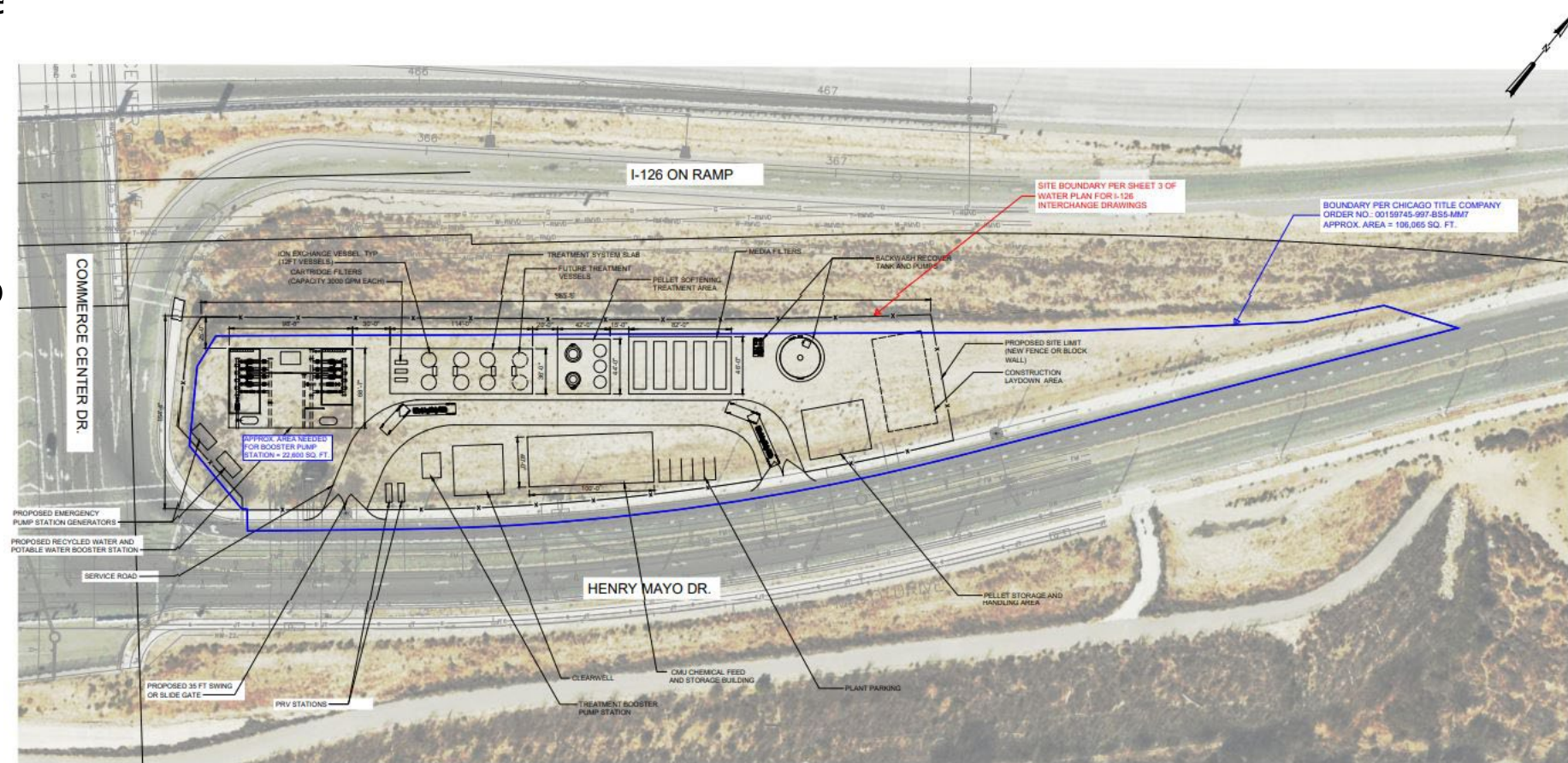
Alternate Funded CIP Overview

Engineering and Water Resources Capital Projects	FY 2025/26 Projected
Castaic Conduit (Continuation from FY 22/23)	\$ 6,500,000
Saugus Wells (N11, N12, N13)	\$ 5,000,000
E Wells (E-14, E15, E16, E17) (NEW)	\$ 6,000,000
S Wells 6, 7, 8	\$ 4,000,000
Magic Mountain Reservoir	\$ 11,600,000
Newhall Ave Railroad Crossing	\$ 1,500,000
Saugus Dry Year Reliability (Wells 5 & 6)	\$ 12,000,000
Water Banking	\$ 2,700,000
Sites Reservoir	\$ 1,280,000
Total Projects less than \$1 Million	\$ 2,776,000
	\$ 53,916,000



Well Treatment for E Wells (E14, E15, E16, E17)

- Construction
 - Centralized Treatment site
 - 8 PFAS Treatment Vessels
 - New Chemical Building
- Supply
 - Potential to produce up to 4,800 gpm.



CENTRALIZED TREATMENT SYSTEM LAYOUT (WELLS E17, E16, E14, E15)

1"=30'



Alternate Funded CIP Overview

Engineering and Water Resources Capital Projects	FY 2026/27 Projected
Castaic Conduit (Continuation from FY 22/23)	\$ 7,000,000
E Wells (E-14, E15, E16, E17)	\$ 4,500,000
Recycled Water Program Phase II, 2C - South End Backbone (Continuation)	\$ 5,000,000
Sand Canyon Reservoir Expansion (NEW)	\$ 5,000,000
Magic Mountain Reservoir	\$ 11,500,000
Magic Mountain Reservoir 2 (NEW)	\$ 2,000,000
Ground Water Treatment (Wells TBD) (NEW)	\$ 7,000,000
Saugus Dry Year Reliability (Wells 5 & 6)	\$ 28,250,000
Water Banking	\$ 2,700,000
Sites Reservoir	\$ 2,200,000
Total Projects less than \$1 Million	\$ 2,201,000
	\$ 77,351,000