
Appendix M-2

Summary of Water Infrastructure Improvements

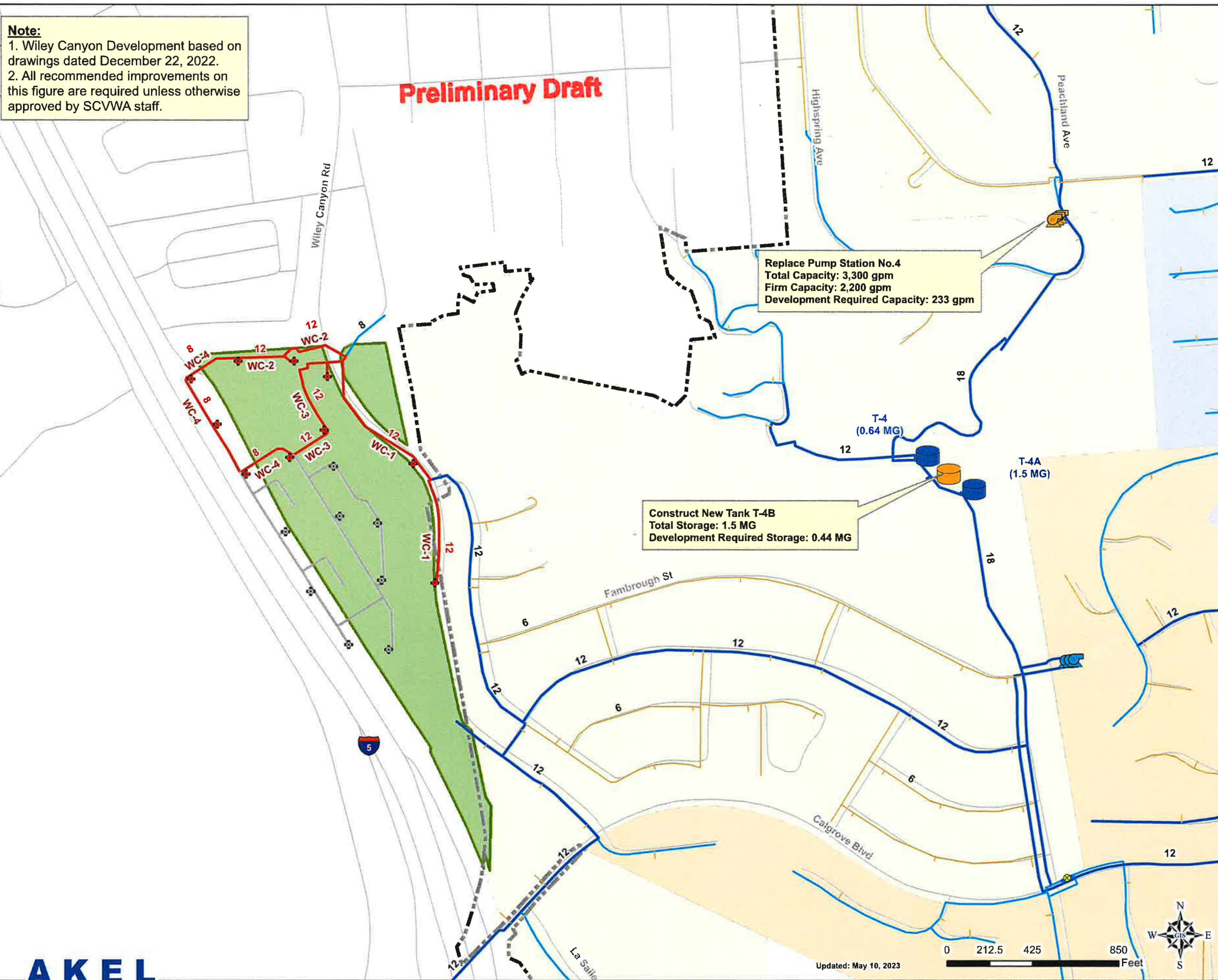
WILEY CANYON PROJECT
OFF-SITE WATER INFRASTRUCTURE IMPROVEMENTS

The following off-site improvements are needed to facilitate the buildout of the Wiley Canyon Project.

- Replace approximately 50 feet of a 6-inch water line within Old Wiley Canyon Road with an 8-inch water line.
- Replace approximately 200 feet of an 8-inch water line within Old Wiley Canyon Road with a 12-inch water line.
- Construction of a new 1.5-million-gallon storage tank within the existing SCVWA tank site located approximately 3,100 feet east of the Wiley Canyon Project Site.
- Replace existing undersized pumps located within an existing SCVWA pump station located on Peachland Avenue with a new 2,200 gallon per minute capacity station (Total Capacity = 3,300 gallons per minute, 2 duty and one standby pump). This existing pump station site is located approximately 3,700 feet northeast of the Wiley Canyon Project site.

Note:
 1. Wiley Canyon Development based on drawings dated December 22, 2022.
 2. All recommended improvements on this figure are required unless otherwise approved by SCVWA staff.

Preliminary Draft



Replace Pump Station No.4
 Total Capacity: 3,300 gpm
 Firm Capacity: 2,200 gpm
 Development Required Capacity: 233 gpm

Construct New Tank T-4B
 Total Storage: 1.5 MG
 Development Required Storage: 0.44 MG

- Legend**
- Future System Improvements**
- Tanks
 - Pump Stations
 - Proposed Public Hydrants
 - Proposed Public Pipes
 - Proposed Private Hydrants
 - Proposed Private Pipes
- Existing System**
- Tanks
 - Pump Stations
 - Valves
- Pipes by Diameter**
- 6" or Less
 - 8" - 10"
 - 12" or Greater
- Existing Pressure Zones**
- P-ZONE-1 (1,487')
 - P-ZONE-3 (1,579')
 - P-ZONE-4 (1,594')
 - P-ZONE-5 (1,732')
- Wiley Canyon Development
 - NCWD Boundary
 - Roads

PRELIMINARY

Figure 2
Wiley Canyon Development
Proposed Improvements
 Wiley Canyon Development
 Hydraulic Analysis



Table 5 Recommended Improvements Summary

Lyons & Wiley Canyon Additional Hydraulic Analysis
 Santa Clarita Valley Water Agency

PRELIMINARY

Improv. No.	Recommended Improvements		Capacity Allocation			
			Lyons Canyon Development		Wiley Canyon Development	
			Volume	Percentage	Volume	Percentage
Pipe Improvements						
LC-1	Zone 6 Pipe and Zone 6 PRV	Approximately 1,600 feet of 18-inch main along Calgrove Blvd from Wiley Canyon Rd to Towlsley Canyon Road	-	81%	-	-
P-1	Pump Station 4 On-site Pipeline Upgrades	Replace approximately 50 feet of 6-inch with 8-inch and approximately 200 feet of 8-inch to 12-inch	-	23%	-	10.6%
Storage Reservoir Improvements						
T-4B	Zone 4 Storage Tank	1.5 MG of new Storage at existing tank site	-	-	0.44 MG	29.3%
Booster Station Improvements						
PS-4	PS 4 Booster Station	Replace existing pump station with a new 2,200 gpm firm capacity station (Total Capacity = 3,300 gpm, 2 duty and 1 standby pump)	512 gpm	23%	233 gpm	10.6%
PS-5	PS 5 Booster Station	Replace existing pump station with a new 1,225 gpm firm capacity station (Total Capacity = 1,840 gpm, 2 duty and 1 standby pump)	512 gpm	42%	-	-

ArcGIS Web Map



ArcGIS Web Map

