
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



