

Management of District-Owned Hydrant & Hydrant Related Infrastructure

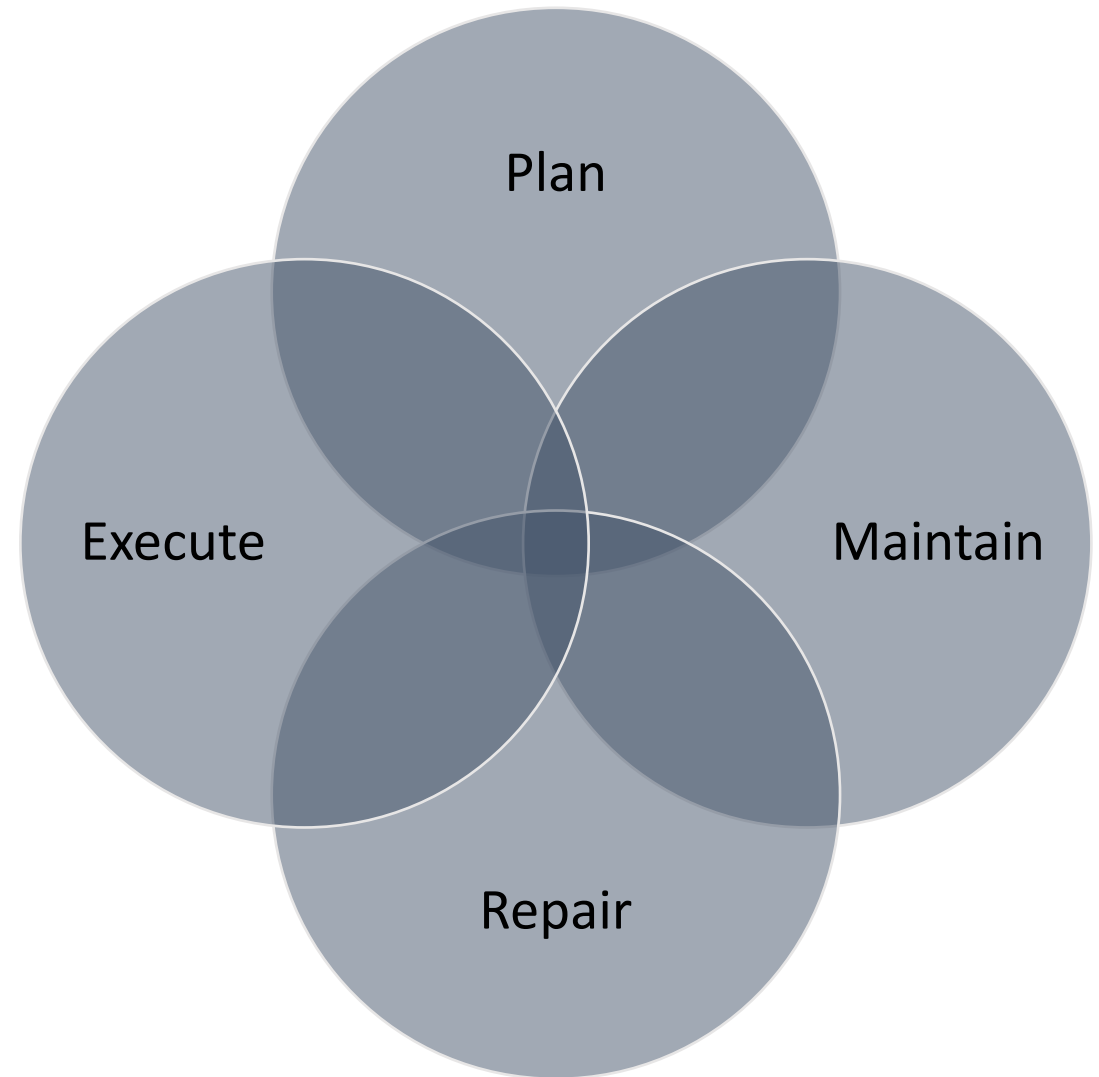
Los Altos Hills County Fire District
March 16, 2021 Commission Meeting

Tonight's Discussion

- F&L Role
- History of Hydrants & District
 - 1956 & 1980 Agreement
 - District's responsibilities
- Policy and Procedures
- Fire Hydrant System Activities
- Asset Management
- Discussion

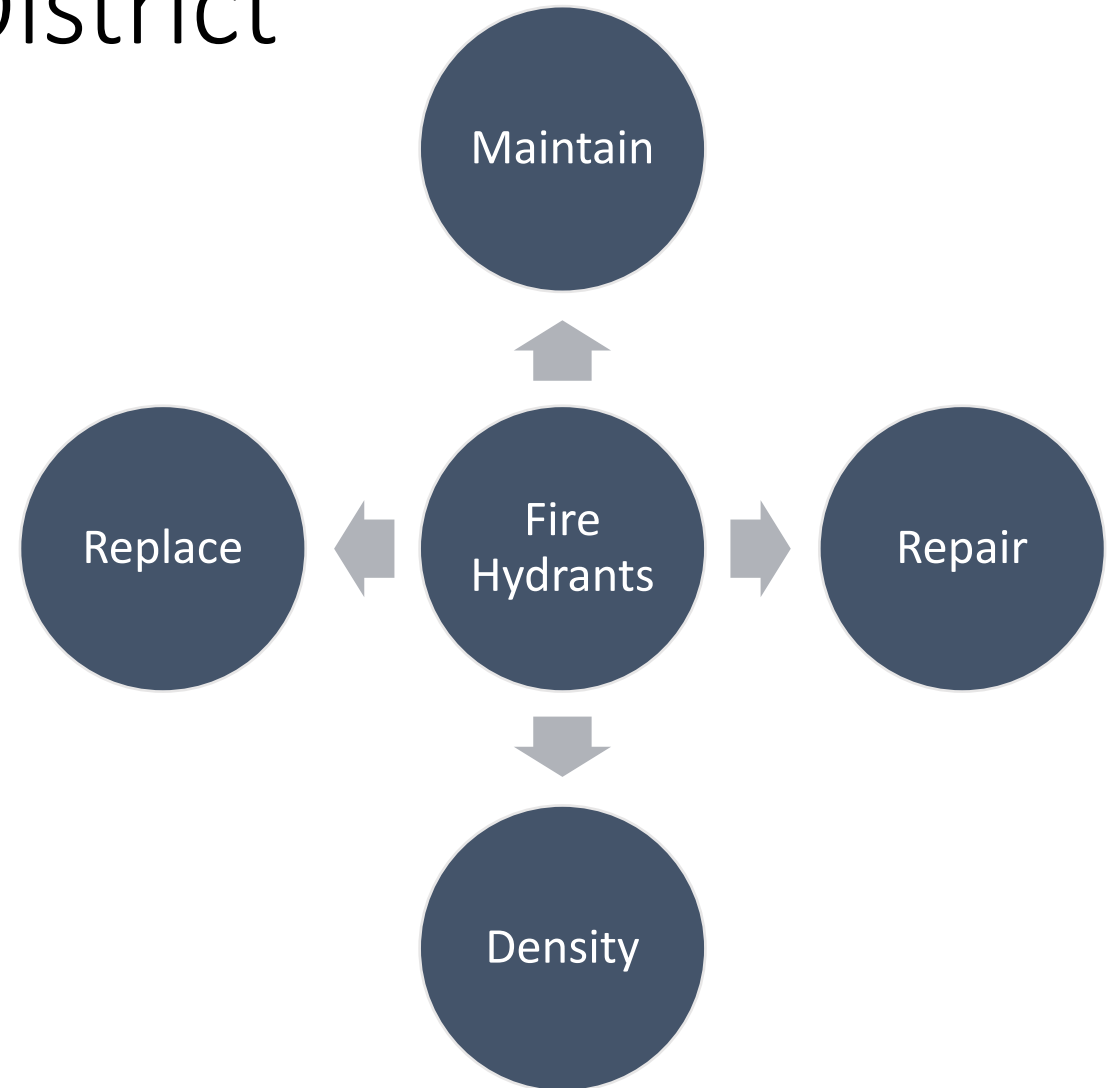
F&L's Role

- On-Call Engineering Support
 - Manage engineering projects
 - Assist with policy and Standard Operating Procedure processes
 - Coordinate with partners i.e., Central Fire, PHWD, Cal Water System, LAH Town, and others as requested
 - Assist Commissioners with a studied approach to policies regarding hydrants and hydrant related infrastructure
 - Advise and evaluate asset management



History of Hydrants & District

- 1956 & 1980 Agreement
- District's Responsibilities
 - Emergency repair
 - Maintenance
 - Fire suppression



Policy and Procedures

- Strategic Plan Goal 4
- Developing series of policy and procedures
- Will provide guidance for:
 - Fire hydrant repairs
 - PHWD Coordination
 - Town Coordination
 - Evaluation of improved fire suppression
 - Document existing assets



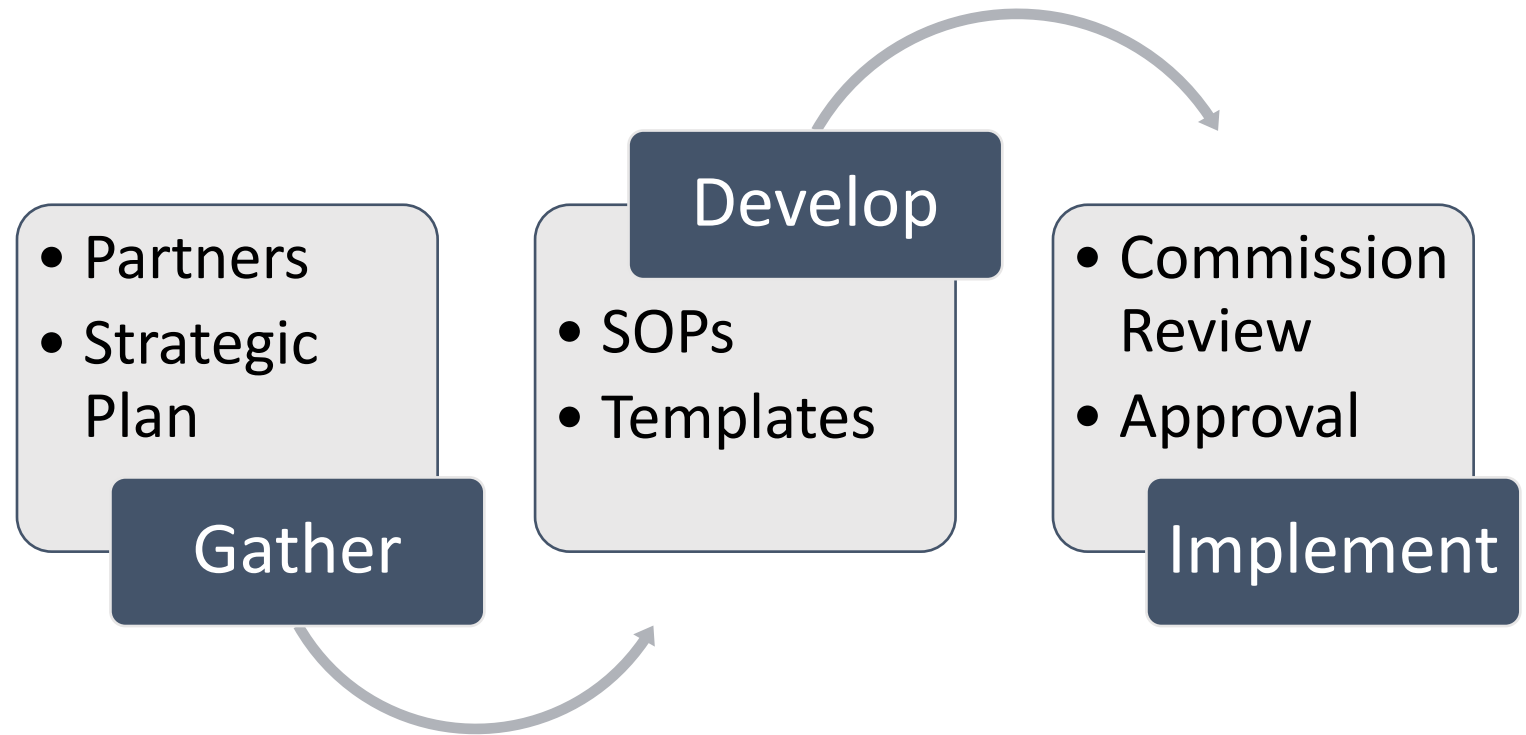
Policy and Procedures Development

- Information Gathering Task Force

- Central Fire – Operations
- Central Fire – Fire Marshal
- PHWD
- Town


- Working Group



- District
- F&L
- Central Fire – Fire Marshal



Fire Hydrant and Lateral Replacements

- When is FH work required?
 - FH strike
 - Lateral leak
 - Hydrant malfunction
- How has FH work been completed?
 - Individual projects
 - Working towards on-call bid package

Incident Report							
Inspector Name:	Jason Feudale				Signature		
Date	1/5/2021						
Day	S	M	T	W	THz	F	Sat
			X				
Weather	43F Clear				Time	12:30pm	
Time/Site location Intersection of Altamont Rd & Black Mountain Rd							
Comments							
Fire Hydrant hit by Car.							
Clean break at the breakaway spool							
The Check Valve is not functioning properly							
Required Work							
Hydrant was not on site, but from our understanding it's in good condition and can be reused							
Breakaway spool will need to be replaced							
Check valve needs to be replaced							



Viscaino Fire Hydrant Replacement

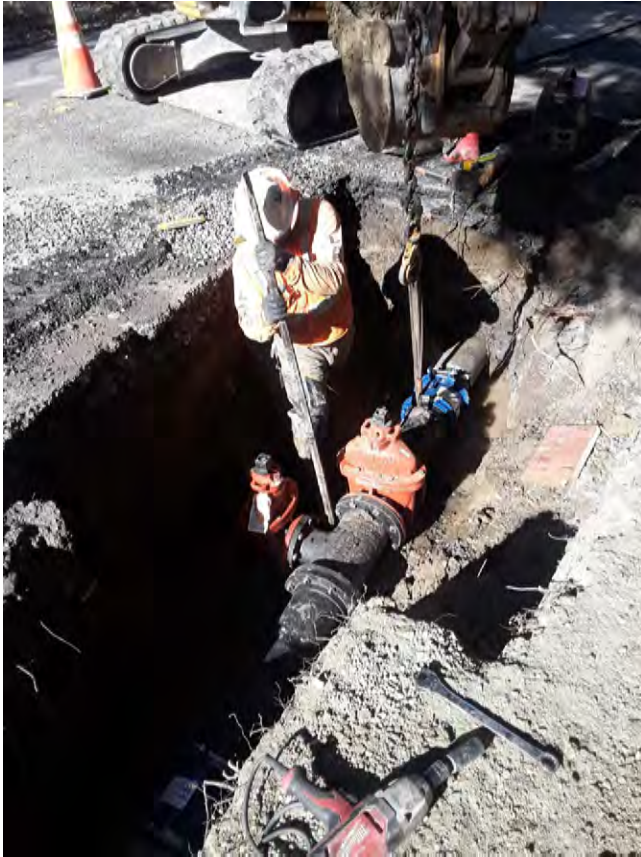
- Notified by PHWD that a leak observed at fire hydrant near 12775 Viscaino Road
- Visual observation indicated leak at valve adjacent to hydrant



- 9



Viscaino Fire Hydrant Replacement



New Tee and Valve on
District side of PHWD
Main



New Lateral Connecting
to Valve at Tee



Reinstalled Fire Hydrant

Coordination with PHWD

- Coordinate repair of FH
- Review PHWD capital improvements to identify impacts, if any, to LAHCFD owned-infrastructure
- Collaborate to improve fire suppression, if appropriate, when PHWD implementing capital improvement projects

Taaffe/Elena/Moody Project Improvements

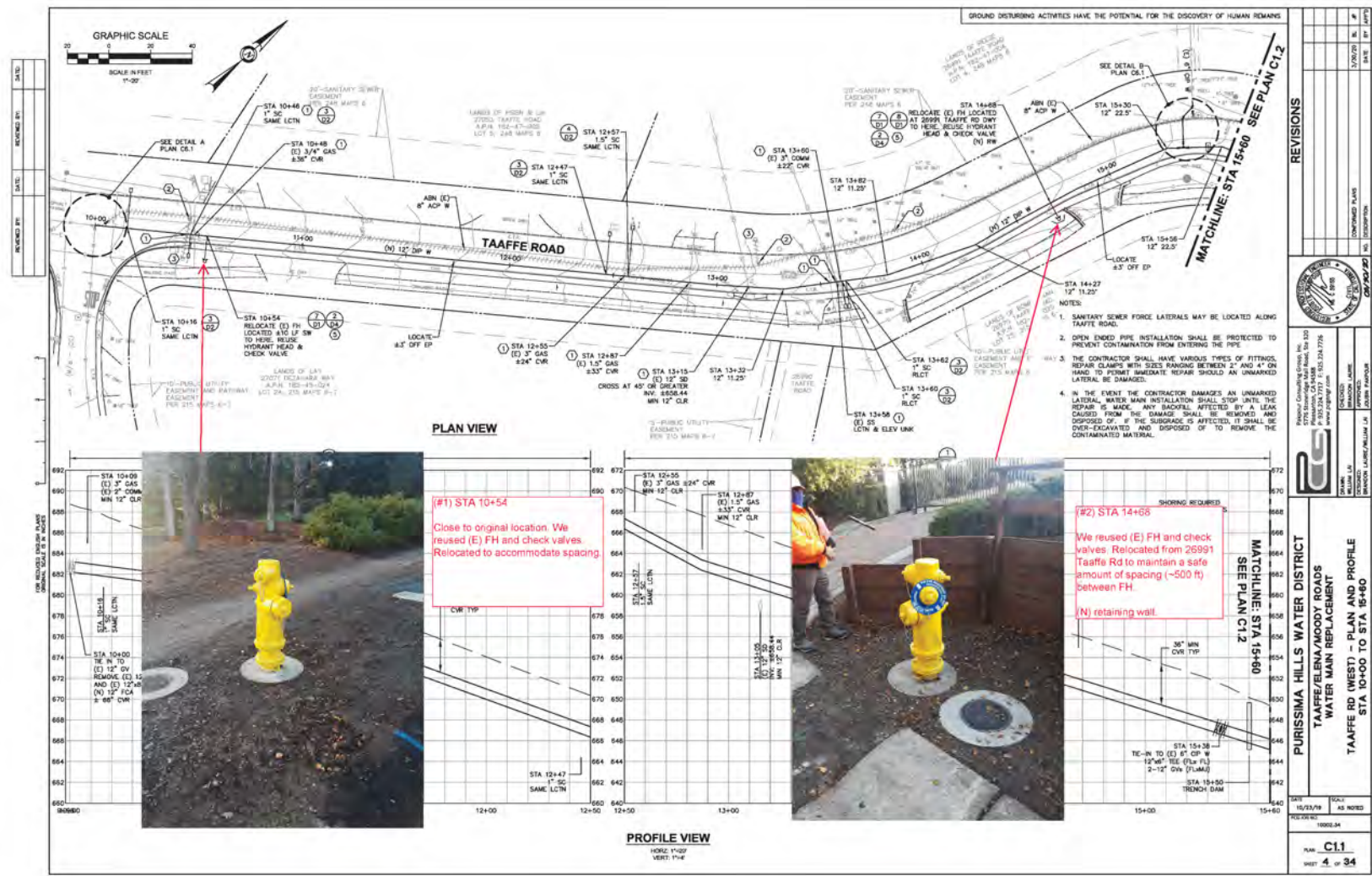
Table 2 – Summary of Work for 16 Fire Hydrants

FH # ²	Bid Item	Sheet	Street	STA	New FH ³	Reuse FH ⁴	Reuse Check Valve ⁴	New RW ⁵	Reuse RW ⁶	New Bollard (#) ⁷
1	15	C1.1	Elena Road	10+54		X	X			
2	15	C1.1	Taaffe Road	14+68		X	X	X		
3	15	C1.3	Taaffe Road	13+78		X	X			
4	15	C1.4	Taaffe Road	18+06		X	X			
5	15	C1.5	Taaffe Road	21+88		X	X		X	
6	14	C1.6	Taaffe Road	26+55	X					
7	15	C1.7	Taaffe Road	30+31		X	X			
8	14	C1.7	Taaffe Road	34+52	X					
9	14	C1.8	Taaffe Road	38+73	X					
10	14	C2.3	Elena Road	19+30	X					X (2)
11	15	C2.4	Elena Road	22+80		X	X		X	
12	16	C2.5	Elena Road	15+09		X	X			
13	15	C3.2	Vista del Valle Court	14+87		X	X			
14	15	C4.1	Vista del Valle Court	11+82		X	X			X (1)
15	14	C5.1	Moody Road	13+38	X			X		
16	14	C5.3	Moody Road	10+21	X			X		

Notes:

- ² "FH #" refers to the fire hydrant number as labeled in the Exhibit 1 markups.
- ³ "New FH" corresponds to Bid Item 14 for new 6-inch fire hydrants with new heads and new check valves.
- ⁴ "Reuse FH" and "Reuse Check Valve" correspond to both Bid Items 15 and 16 for relocated 6-inch fire hydrants with reused existing heads and existing check valves. Fire hydrants under Bid Item 16 were relocated to a new location and serviced on an existing water line that was not replaced.
- ⁵ "New RW" corresponds to Bid Item 17 for new retaining walls.
- ⁶ "Reuse RW" corresponds to Bid Item 18 for existing retaining walls that were removed and replaced.
- ⁷ "New Bollards (#)" corresponds to Bid Item 27 for new bollards. The number in parentheses indicates the number of new bollards at this location.

FREYER & LAURETA, INC.



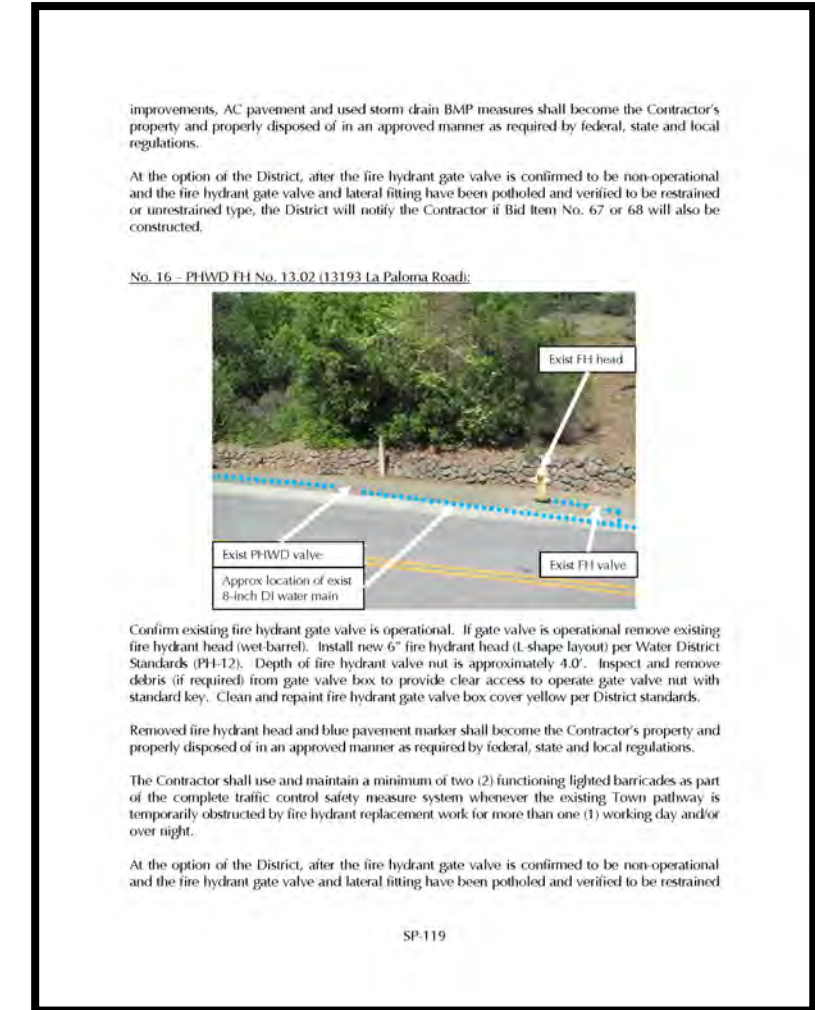
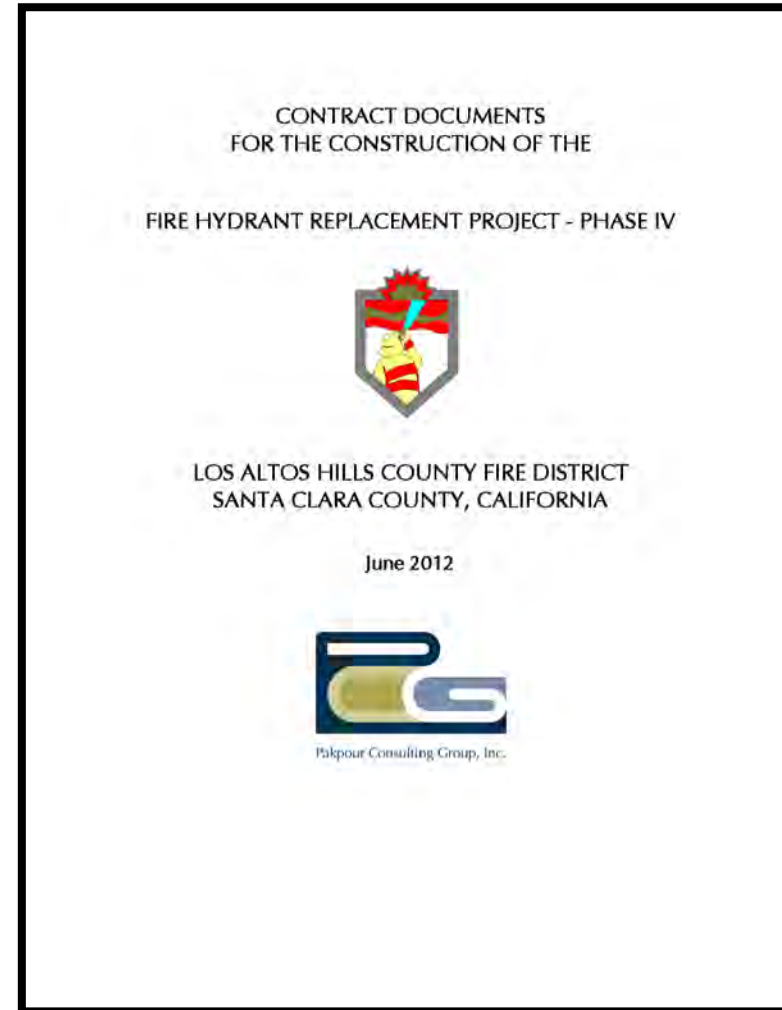
Asset Management

- Document existing LAHCFD-owned infrastructure
- Coordinate with ongoing GIS project



Document Infrastructure

- Review available information
- Site walks
- Collaborate with Central Fire



Improve Existing Asset

- District-owned Parcel
- Develop conceptual layout for staging during emergencies
- Enhance site protections



Figure 1. Existing Conditions

Discussion

Los Altos Hills County Fire District
March 16, 2021 Commission Meeting