

Projects
February 1, 2015

Project Area	Project Name	Est. Start Date	Est. Complt Date	Brief Description of Project	Est. Cost	Budget Year Expense	Key Service Providers	Notes/ Updates
(1) Entire Fire District	Brush Chipping Program	Phase 1 7/14 thru 12/14	Phase 2 1/15 thru 6/15	Chip residents brush, tree and garden prunings.	\$225K each phase	14/15	McClenahan Tree Service and Mailing Co.	Chipping starting in Area 2.
(2) Entire Fire District	Tree Program	July 1, 2014	June 2015	Remove dead, dying, or hazardous trees. Prune eucalyptus trees.	\$2M	14/15	McClenahan Tree Service and Mailing Co.	Since program began July 2011, 3,222 dead trees removed. 1,308 eucalyptus trees pruned. 1,633 eucalyptus trees removed.
(3) PHWD	Hydrant Upgrade Program Phase VII	June 2015	Fall 2015	Replace old style hydrants with today's standard hydrants. 69 hydrants to be done in this phase.	Not determined yet	14/15 & 15/16	Pakpour Engineering and unnamed contractor.	Engineering work underway in the field and office.

MEMO

Firm: Los Altos Hills County Fire District (LAHCFD) **Date:** 2/2/15

Attn: Stu Farwell

Project Name: Fire Hydrant Replacement Project – Phase VII **Project No.** 10003.18

Reference: Preliminary Schedule

From: Kurt Wurnitsch, P.E. *KW*

Per your request, below is the updated preliminary schedule for Phase VII of the Fire Hydrant Replacement Project located west of Highway 280 within the Purissima Hills Water District. The schedule below includes coordinating with the County to obtain an encroachment permit for hydrants located along Moody Road and Page Mill Road.

Description	Estimated Completion Date	Completed Date
List of FHs (Final) – Update w/ LAHCFD field visit info	Week of 11/17/14	11/26/14
Field Visit w/ PHWD - Review list of FHs, scope of work & additional water main field info required from PHWD	Week of 12/1/14	12/9/14
Complete Bid Document Preparation – (3 to 4 weeks)	Week of 1/26/15	1/30/15
Begin County Encroachment Permit Process (70% Submittal)	Week of 1/12/15	1/14/15
Utility Notification (90% Submittal) – Send letter to Agencies	Week of 1/26/15	1/30/15
PHWD Coordination – Review requested field info & shut-down requirements	Week of 2/16/15	
Complete Bid Document Review (90% Submittal) – Coordinate w/ Attorney/ PHWD/ Town (3 weeks)	Week of 2/23/15	
Complete County Encroachment Permit Process (100% Submittal)	Week of 2/23/15	
Advertise Bid Doc in Town Crier (send advertisement language one (1) week in advance of publishing)	Week of 3/16/15	
Pre-Bid Meeting	Week of 3/30/15	
End Bid Documents Advertisement – (4 weeks)	Week of 4/13/15	
Open Bids	Week of 4/13/15	
Review Bids & Letter of Recommendation	Week of 4/20/15	
Commissioners Meeting - Award Contract	5/19/15 (Tues)	
Complete Contract/ Bonds/ Insurance Certificates Review (3 weeks)	Week of 6/8/15	
Notice to Proceed	Week of 6/15/15	
Start Construction	Week of 6/22/15	
End of Construction	Week of 9/9/15	



MEMO

Firm: Los Altos Hills County Fire District (LAHCFD) **Date** 2/2/15
Attn: Stu Farwell
Project Name: Fire Hydrant Replacement Project for PHWD **Project No.** 10003.18
Reference: Phase VII - Preliminary Engineer's Estimate for Fire Hydrants to be Replaced
From: Kurt Wurnitsch, P.E. *KW*

Stu,

Per your request, below is the preliminary Engineer's Opinion of Probable Construction Cost Estimate for the 43 Fire Hydrants (FHs) to be replaced and 19 FHs to be painted as part of the Phase VII project located west of Highway 280 within the limits of PHWD.

Phase VII – Preliminary Engineer's Opinion of Probable Construction Cost Estimate [1] [2] [3]

Description	Qty	Unit	Unit Cost	Total
Design and Construction Management				
Design, Advertise and Award	1	EA	\$55,000	\$55,000
Construction Management	1	EA	\$120,000	\$120,000
Sub-Consultants (Geotechnical, Tree Arborist/Trimer, etc.)	1	EA	\$20,000	\$20,000
Sub-Total				\$195,000
Contingency (10%)				\$19,500
Total				\$214,500

(Continued on next page.)

Description	Qty	Unit	Unit Cost	Total
Construction				
Re-Paint Exist Wet-Barrel (Clow 360) FHs	19	EA	\$1,000	\$19,000
Install Break-Off/Check Valve Only	1	EA	\$5,500	\$5,500
Replace Wet-Barrel FHs (Incl. Head only)	3	EA	\$6,000	\$18,000
Replace Wet-Barrel FHs (Incl. Break-Off/Check-Valve)	23	EA	\$10,000	\$230,000
Adjust Wet-Barrel FHs (Re-use Exist Break-Off/	2	EA	\$8,000	\$16,000
Replace Wet-Barrel FHs (Install New Break-Off/	2	EA	\$10,000	\$20,000
Replace Dry-Barrel FHs (Install New Break-Off/Check-Valve & Bury)	1	EA	\$14,000	\$14,000
Replace Dry-Barrel FHs (Incl. Assembly to Exist Valve (to Remain))	3	EA	\$14,000	\$42,000
Replace Wet-Barrel FHs (Incl. Assembly to Exist FH/	2	EA	\$19,000	\$38,000
Replace Dry-Barrel FHs (Incl. Assembly to Exist FH/	3	EA	\$18,000	\$54,000
Replace Wet-Barrel FHs w/ New 6-inch Water Main Tie-In	1	EA	\$26,000	\$26,000
Replace Dry-Barrel FHs w/ New 6-inch Water Main Tie-In	1	EA	\$20,000	\$20,000
Replace Dry-Barrel FHs w/ New 8-inch Water Main Tie-In	1	EA	\$23,000	\$23,000
Replace Wet-Barrel FHs w/ New 12-inch Water Main Tie-In	1	EA	\$40,000	\$40,000
Replace Wood Retaining Walls [4]	1	EA	\$5,000	\$5,000
Install New Wood Retaining Walls [4]	7	EA	\$4,000	\$28,000
Replace Exist FH Bollard	5	EA	\$1,000	\$5,000
Install New FH Marker Post	1	EA	\$1,000	\$1,000
Replace Exist Residential 1-inch Service Line [5]	6	EA	\$4,000	\$24,000
Replace Exist Residential 2-inch Service Line [5]	2	EA	\$6,000	\$12,000
Replace Exist FH Head [6]	3	EA	\$6,500	\$19,500
Replace Exist Failed FH Gate Valve [7]	5	EA	\$4,000	\$20,000
Replace Exist FH 6-inch Water-Main Tie-In [7]	6	EA	\$10,000	\$60,000
Replace Exist FH 8-inch Water-Main Tie-In [7]	4	EA	\$12,000	\$48,000
Replace Asphalt Concrete/Trench Repair [8]	1	EA	\$20,000	\$20,000
Replace Asphalt Concrete Berm [8]	1	EA	\$2,000	\$2,000
Replace PCC Rolled Curb & Gutter [8]	1	EA	\$10,000	\$10,000
Replace Traffic Striping [8]	1	EA	\$2,000	\$2,000
Water Tank Truck	1	EA	\$15,000	\$15,000
Install Project Construction Funding Signs	1	EA	\$5,000	\$5,000
County Inspection Fees (Budget) [9]	1	LS	\$10,000	\$10,000
Sub-Total				\$852,000
Contingency (10%)				\$85,200
Total				\$937,200
TOTAL (Including Contingency)				\$1,151,700

Notes:

- [1] Estimated Phase VII: 43 FHs replaced and 19 FHs (Clow 960) re-painted.
- [2] Design, Advertise and Award Phase: Estimate four (4) months. Construction Phase: Estimate 100 working days (20 weeks or 5 months).
- [3] Unit Cost is considered preliminary based on All Bidder's Average for Phase VI, dated 5/22/14 by Pakpour Consulting Group. Total price does not include added cost for special site conditions (e.g. long FH lateral runs/street trench cuts, retaining walls, bollards, special permits, industry annual increases in material costs, etc.).
- [4] Unit Cost and Quantity assumes installing/ replacing an estimated 10% retaining walls of 62 FHs
- [5] Unit Cost and Quantity assumes installing/ replacing an estimated 10% existing 1-inch and 2-inch residential services for 62 FHs replaced.
- [6] Unit Cost and Quantity assumes installing/ replacing FH heads only at end of La Loma Drive.
- [7] Unit Cost and Quantity assumes installing/ replacing an estimated 25% FH gate valves and 6 & 8-inch water main tie-ins for 43 FHs replaced.
- [8] Unit Cost and Quantity assumes an average for replacing asphalt concrete/ trench repair and berm, PCC rolled curb & gutter, traffic striping, etc.
- [9] Excludes County of Santa Clara's Encroachment Permit \$1,000.00 refundable deposit to be paid by Contractor.