

Forest View Acres Water District

Operations Report – February 2020

Prepared by Clyde Penn ORC Water Professionals

Arapahoe Water Plant

- The plant produced 100% of demand for August
- Purged Chlorine Analyzer as Needed
- Plant Checks, Mixed Chemicals
- Replaced Faulty Solenoid Valve on CL17 Supply Line
- Rebuilt Valve on Filter #3 – Leaking out of Weep Hole

Booster Pump Station

- Checked Booster Station
 - IT showed up and updated program so that alarms are more easily cleared once alarm is taken care of. Found on the old program that alarms could not be cleared

Distribution

- Meters were Read on 27 January 2020
- Service Line leak at 4825 Limestone (Repair Est Included) – This is the second time this service line has leaked within a couple of years. Last time line was patched – Recommend replacement of this line
- Monthly BACTI's
 - HAA5/TTHM Samples taken
 - Upcoming samples include SOC/VOC, Fluorides

Surface Water Plant

- The plant produced 0% of demand for November because of low water flow in the canyon – inlet pressure is at about 20 psi – Still getting water out of the pipe, just no pressure
- Completed monthly MOR report for state – No Violations – Plant offline
 - Going to have a New MOR Report that will need to be filled out once plant is back online

Locates

- New Company doing locates – Haven't been contacted by them for any help

Production for the Month of January 2019

Year	Month	SWTP Production - BW	% of Total	AWP Production	% of Total	Total Production	Total Water Sold	Percentage Discrepancy
2019	Jan	0	0%	1,680,427	100%	1,680,427	1,277,263	23.99%
	Feb	0	0%	1,335,096	100%	1,335,096	1,031,991	22.70%
	Mar	0	0%	1,533,895	100%	1,533,895	1,183,118	22.87%
	Apr	-63,912	-4%	1,748,857	104%	1,684,945	1,183,142	29.78%
	May	-35,803	-2%	1,867,532	102%	1,831,729	1,398,912	23.63%
	Jun	183,124	9%	2,005,631	92%	2,188,755	1,732,721	20.84%
	Jul	1,009,434	42%	1,408,667	58%	2,418,101	1,842,689	23.80%
	Aug	-710	0%	2,494,354	100%	2,493,644	1,909,733	23.42%
	Sep	-67,885	0%	2,766,096	103%	2,698,211	2,082,272	22.83%
	Oct	0	0%	2,199,877	100%	2,199,877	1,416,580	35.61%
	Nov	0	0%	2,379,072	100%	2,379,072	1,223,100	48.59%
	Dec	0	0%	1,300,350	100%	1,300,350	1,167,076	10.25%
Total		1,024,248	4%	22,719,854	97%	23,744,102	17,448,597	26.51%
Year	Month	SWTP Production - BW	% of Total	AWP Production	% of Total	Total Production	Total Water Sold	Percentage Discrepancy
2020	Jan	0	0%	2,061,922	100%	2,061,922	1,256,861	39.04%
	Feb							
	Mar							
	Apr							
	May							
	Jun							
	Jul							
	Aug							
	Sep							
	Oct							
	Nov							
	Dec							
Total		0	0%	2,061,922	100%	2,061,922	1,256,861	39.04%

SWTP Offline JAN/FEB/MAR 2019 because of Frozen Supply Line

SWTP Offline SEPT/OCT/NOV 2019 because of low flow in the Canyon

Flushed Hydrants on Rockbrook Dr because of water quality complaint – Brown Water.

2” Main on Clovenhoof was flushed multiple times during sewer line installation

SWTP Offline - Low Water Flow in Canyon; No pressure on line

Flushed Hydrants Multiply times during the work on Forest View Rd

2018 Water Leaks:

11 February 2018 – Forest View and Red Forest: Repaired by J&K; Flowed Hydrants after Repairs

27 August 2018 – Sandstone and Pixie Park PRV – Leaking; Parts (SS) on order – Setting up a date for Repair/Training to install parts

27 August 2018 – 4315 Sandstone service line leak – Isolated/Repaired

29 October 2018 Sandstone and Pixie Park PRV – Leaking at outlet pressure gauge – Repaired

08 December 2018 Main Leak Red Forest Rd. – Repaired by Global

23 December 2018 Service Line Leak – 3765 Sierra Vista – Repaired by Homeowner

2019 Water Leaks:

13 March 2019 Service Line Leak – 3830 Range View – Being repaired by homeowner

05 June 2019 Main Line Break on Oxbridge – Hit by Foothills Electric

23 October Service Line Break on Rockbrook Dr. – Repaired by Homeowner

Flushed Hydrants on Rockbrook Dr because of water quality complaint – Brown Water.

2” Main on Clovenhoof was flushed multiple times during sewer line installation

Meters

Total of 326 Meters in District of which 325 are Remote Reading currently

2019 New Meter Installations / Water Taps:

4660 Red Stone Ridge Rd

4640 Red Stone Ridge Rd

Two meters installed for new homes on Forest View Rd.

Date: February 13, 2020

Attn: Clyde Penn,
Forest View Acres Water District
Phone: 719-200-8184
cpenn@orcwater.com

Re: Budget to replace water service line from corp stop to curb stop (up to 75 LF) - Revised with no asphalt 2-13-2020
4825 Limestone Road
Global Underground Corp

Description	Quantity	Unit Price	Hours	Hourly Rate	Total Price
Labor - Superintendent (1/2 Time)			12	51.50	\$618.00
Labor - Foreman			24	41.20	\$988.80
Labor - Operator			24	32.96	\$791.04
Labor - Laborer - Lead			24	27.81	\$667.44
Labor - Laborer - General			24	23.69	\$568.56
Labor - Move Truck Driver Crew			4	32.96	\$131.84
Equipment - Crew Truck			12	17.25	\$207.00
Equipment - Crew Truck			24	17.25	\$414.00
Equipment - Connex Tool Trailer			24	15.00	\$360.00
Equipment - Mini Excavator (Rental)			24	75.00	\$1,800.00
Equipment - Skid Steer			24	37.00	\$888.00
Equipment - Trench Shoring			24	20.60	\$494.40
Equipment - Semi Truck with Trailer (Moves)			4	87.00	\$348.00
Materials - Sand Bedding (Approx. 2 Loads)	1	LS 560.00			\$560.00
Materials - 3/4" Copper and curb stop with box	1	LS 675.00			\$675.00
Materials - CL6 Road Base / Gravel to Repair Road (Approx. 1 Load)	1	LS 225.00			\$225.00
Materials - Seed and Blanket (approx. 1200 SF)	1	LS 675.00			\$675.00
Subcontractor - Tandem Trucking (Haul of sand and base & haul off of dirt)	24	HR 80.00			\$1,920.00
Subcontractor - Traffic Control	1	LS 900.00			\$900.00
Subcontractor - Density Testing	4	EA 90.00			\$360.00
General - EPCO Permit	1	LS 2,500.00			\$2,500.00
				Estimated Project Direct Costs	\$16,092.08

Contract Markups

Profit Margin: 10% of Project Direct Costs	\$1,609.21	
Overhead: 10% of Project Direct Costs	\$1,609.21	
Labor Burden: 35% of labor	\$1,317.99	
Materials Markup: 10% of materials	\$213.50	
Equipment Markup: 10% of equipment	\$451.14	
Subcontractor markup: 10% of subcontractors	\$318.00	
General markup: 10% of Permits & Dump Fees	\$250.00	
	Proposed Contract Markups	\$5,769.04

Total Budget Price \$21,861.12

Clarifications:

Hydro Vac / Potholing work is excluded
Assumes no conflicting utilities exist in proximity of the work that would cause delays
Bond is Excluded

