

# Forest View Acres Water District

Operations Report – Oct/Nov 2021

Prepared by Gabby Begeman -ORC Water Professionals

## Arapahoe Water Plant

- The plant effectively produced 87% of demand for October and 77% of demand for November.
- No operational difficulties occurred in October or November with the AWP equipment.
- The well patching and acid clean was performed the week of November 15<sup>th</sup> and was successful.

## Booster Pump Station

- We have received shipment of the replacement check valve for Booster #1 and have installed it. Booster #1 is now back in service. A spare check valve is onsite.
- Booster #2 is fully functional without difficulties.

## Distribution

- Monthly routine bacteriological samples taken and were absent for bacteria.
- A couple of water quality complaints resulted in the need to flush hydrants. This likely increased the percentage of unaccounted for water in November.
- New meters and endpoints have been received after a long 8 month lead time.
- A quote has been received for the installation of a meter pit and shut off valve. See attached quote.

## Surface Water Plant

- The plant produced an effective 13% of demand for October and 23% in November.
- Completed monthly operations report (MOR) for state with no violations.
- We have received shipment and have installed the new raw flowmeter. This meter still needs to be hooked up to the SCADA system and integrated into the programming.
- We have found the backwash regulating valve to be faulty allowing sand to get into the effluent pipes. We are currently working with the manufacturers rep to address this problem.
- The facility is due to have the backwash pond cleaned.

## Production Totals

Year	Month	SWTP Production - BW	% of Total	AWP Production	% of Total	Total Production	Total Water Sold	Percentage Discrepancy	GPD Produced	Average Demand (GPM)
2021	Jan	0	0%	1,790,658	100%	1,790,658	1,227,042	31.48%	59689	41
	Feb	0	0%	1,548,535	100%	1,548,535	1,151,846	25.62%	51618	36
	Mar	0	0%	1,492,529	100%	1,492,529	1,239,076	16.98%	49751	35
	Apr	328,318	24%	1,036,751	76%	1,365,069	1,246,361	8.70%	45502	32
	May	186,712	10%	1,716,955	90%	1,903,667	1,436,780	24.53%	63456	44
	Jun	1,137,880	48%	1,208,321	52%	2,346,201	2,181,590	7.02%	78207	54
	Jul	365,760	16%	1,908,550	84%	2,274,310	2,182,446	4.04%	75810	53
	Aug	552,913	18%	2,439,620	82%	2,992,533	2,296,030	23.27%	99751	69
	Sep	311,113	14%	1,845,666	86%	2,156,779	1,986,678	7.89%	71893	50
	Oct	210,628	13%	1,465,331	87%	1,675,959	1,489,335	11.14%	55865	39
	Nov	405,614	23%	1,370,868	77%	1,776,482	1,261,315	29.00%	59216	41
	Dec									
Total		3,498,938	15%	17,823,784	85%	21,322,722	17,698,499	17.00%	64614	45



**PROPOSAL**

<b>To:</b> ORC Water Professionals	<b>Contact:</b> Gabrielle Begeman
<b>Address:</b> 11919 W I-70 Frontage Road, Suite 116A Wheat Ridge, CO 80033	<b>Phone:</b> 720-287-0605 <b>Fax:</b> 720-287-0874
<b>Project Name:</b> 17280 Shilo Pines Drive	<b>Bid Number:</b>
<b>Project Location:</b> 17280 Shilo Pines Drive, Monument, CO	<b>Bid Date:</b> 10/29/2021

**GLOBAL UNDERGROUND CORP. HEREBY SUBMITS SPECIFICATIONS AND ESTIMATES TO:**

Install curb stop, meter and meter pit on existing water service at 17280 Shilo Pines Drive. Meter and meter yoke to be furnished by others.

\*\*\* Please see Inclusions, Exclusions, and Clarifications below. \*\*\*

Item #	Item Description	Estimated Quantity	Unit	Unit Price	Total Price
1	Private Utility Locates	4.00	HR	\$120.00	\$480.00
2	Hydro-Vac Potholing (Billed Port To Port)	8.00	HR	\$215.00	\$1,720.00
3	Install Curb Stop, Meter & Meter Pit On Existing Water Service (1" Copper Or Smaller)	1.00	LS	\$7,030.00	\$7,030.00
<b>Total Bid Price:</b>					<b>\$9,230.00</b>

**Notes:**

• **Inclusions:**

- Mobilization & Demobilization Costs
- Equipment & Labor
- Utility Potholing
- Private Locates
- Sanitary Facilities

• **Exclusions:**

- Meter & Meter Yoke
- City, County or State Permit Acquisition & Fees
- CDOT Permit Acquisition & Fees
- Storm Water Protection & Required Permits
- BMP Plan, Set Up, Management & Tear Down
- Safety Fence & Barricades
- Traffic Control
- Survey / Layout
- Select Backfill Material (pea gravel or sand)
- Steel Plates
- Conflicting Utility Relocation
- Material Testing
- Asphalt or Concrete Saw Cutting & Removal
- Asphalt or Concrete Restoration
- Landscape Restoration
- Labor & Equipment for De-Watering Operations
- Performance & Payment Bonds

• **Clarifications:**

- Any utilities that are un-locatable, mismarked, or greater than 10' in depth may require additional pothole time or the use of a large Vector and can be supplied at a negotiated hourly rate.
- Potholes will be backfilled with sand or pea gravel. If flowable fill is required it can be supplied at cost plus 15%.
- The existing water service is assumed to be 1-inch or smaller. The meter and meter yoke will be provided by others.
- Potholing will be billed on an hourly basis with a 4 hour minimum charge.
- Private locates will be billed on an hourly basis with a 1 hour minimum charge.

**Payment Terms:**

**Payment Due in full within 30 days of invoice date.**