

## DAF Monthly Message

### WATER TREATMENT PLANT, NEW PRE-TREATMENT SYSTEM

March 2018

Editor: Amy Cloud ([accloud@cob.org](mailto:accloud@cob.org))

Project Engineer: Freeman Anthony (360/778-7924, [fanthony@cob.org](mailto:fanthony@cob.org))

#### ***What's happening at the site now?***

Dear patient trail-lovers, good news is on the horizon! The largest, as well as many intricate, portions of this complex construction project are complete. While there is a lot of work yet to come, here's what has been done: building walls are up, the big tanks have been placed so we can produce our own hypochlorite; and we've set on the roof beams. And more specifically...

The 66-inch line was installed with all 48-inch connection T-joints and valves. All piping has been coated and is in use. The valves and joints are buried in sand to allow drainage and to allow future work (or connections.) Final coverage of the pipe area will be done after all connections are done.

Injection of the exterior and interior walls of the new Dissolved Air Flootation (DAF) water pretreatment facility has begun. All exterior cracks have been sealed and approved by the project structural engineer. We've begun placing and compacting drain rock at the building's perimeter. The air barrier which applied to the concrete exterior walls has begun and will later be covered with insulation and brick. The roof of the DAF has been vapor sealed and is ready for the adhesive and insulation which will then be final coated with the roofing material. The interior walls of the DAF have been smoothed for painting and interior door frames are being installed.



#### ***And what else?***

Electrical work inside the DAF building has been moving along with the installation of cable trays and conduits. We've mounted permanent lighting in various areas of the DAF. Large junction boxes are on site for installation. The light pole base at the new gate location has been poured.

Roof beams for the hypochlorite storage building and embeds which will hold the hollow core slabs are in place.

***Then what?***

In April, we'll begin the metal stud framing walls and insulation. The sheetrock areas will be completed and trim installed. We'll also be installing windows and many of the doors, and start placing bricks. More electrical work will take place and connections of the large diameter piping to and from the DAF connecting to the 66-inch main line into the existing water treatment plant. The hypochlorite storage room roof as well as the roof over the DAF building will be completed. Railing around the roofs will begin. Some metal siding work should begin.

***Also good to know:***

It's officially Spring now and daylight lasts longer, so we realize trail users are eager to get back at it. Soon, but not yet... Flaggers may still be posted on-site at Whatcom Falls Park as needed. The new work hours are 7 a.m. to 5:30 p.m. Monday through Friday, with occasional Saturday work.

If you've missed any of these monthly updates, they are archived on the [City's website](#). From the home page, "search" Capital Projects, then DAF. You'll find the updates going back to November 2016, when construction first began.

***And why are we doing this?***

This is to make sure the City's drinking water, which is drawn from Lake Whatcom, is as clean and safe as it can be. We're building the Dissolved Air Flotation pre-treatment plant to remove as many particulates as possible from the water, in order to maximize the City's Water Treatment Plant efficiency. And because the goal for this new facility is to ensure that it will *maximize the efficiency* of our current water treatment plant in the *safest way* possible, we are leaving behind chlorine gas and moving to hypochlorite which we create on-site because it is safer.

***How much longer?***

Thank you for your patience. We've been at work on the new water pretreatment facility since November 2016 – but as I noted up top, we're coming up on the home stretch of construction. We expect to have completed the new building by the end of this coming summer. If that timeline changes, you'll see that information here.

For more project information, [click here](#).

