

## OWSI Filtration and Chlorination Project Update – June 2021

The last week of 2020 JMG Constructors started the project by clearing the land where the new water treatment facility would be constructed. Now just short of 7 months later there is a building, filters, tanks, and piping on that site. The project is starting to enter its final stages of construction. Testing of the filtration system is scheduled for the middle of July with the operational date to be determined.

It was important that the project was engineered so that the testing could be completed while still keeping the current operation of the wells intact. Wells 14 and 16 are the main providers of water for the water system and without keeping them operational in the summer months would stress the other sources. HDR listened to our concerns and had a phased plan to keep the system operational throughout the project.



*Chemical feed pumps that will provide the necessary chemicals to remove manganese and arsenic.*

Once the testing is completed and our engineers are satisfied with the results approval from the state department of health will be needed to complete the project.



*There are 10 tanks in this system but only 8 are filters. The first 2 tanks are empty contact tanks to give chemicals time to react to arsenic and manganese in the raw water.*

This project will not only remove arsenic and manganese. It will give us the opportunity to increase the amount of water in gallons per minute we pump from well 14. We have managed to stay under the state maximum contaminant level for arsenic by blending wells 14 and 16. Well 14 is the well with high arsenic that we have had to reduce the flow from. This filtration system will remove the need to blend the water to meet the arsenic requirements. There is a possibility of gaining 80 gallons per minute more out of well 14 than we are currently pumping.

The project is financed by the State Drinking Water Revolving Fund loan and customer surcharge of \$5.00 per month. This facility will remove contaminants and will disinfect the water supply.