



Washington Park Reservoir Improvement Project 2018

June News

Looking back over the past year, the construction site has undergone some dramatic changes. This time last year crews were still removing concrete from the original reservoir, working to completing the TB1 wall (upper shored wall along the north and west sides of site), the MSE wall (engineered earth wall along the south side of the site) was just getting its first toe-blocks, and work on TB2 (lower shored wall) had not yet begun (bottom left photo). Now, you can easily see both TB walls, the MSE wall, the old concrete liner is gone, and excavation is leaving a footprint for the new reservoir that has sheer vertical walls and is developing a flat bottom (bottom right photo).

Meanwhile at the old Reservoir 4 site, material excavated from the new reservoir site has been mixed with cement and is gradually filling the site in preparation for the new wetland habitat to be constructed (see photos on page 2).

Upcoming work will focus on support structures for the new reservoir: drilling shafts and filling them with rebar and concrete, pouring the slab for the underground reservoir, building the structure, and installing the compressible inclusion. The change in construction focus means activity at the site will change slightly.

Over the past month work has continued at a steady pace, and includes the installation of a wheel wash to help control the tracking of materials from the site onto neighboring streets, and site visits from two local fire stations to coordinate potential emergency response.



Reservoir Construction Site, May 2017



Reservoir Construction Site, May 2018

Forest to Faucet

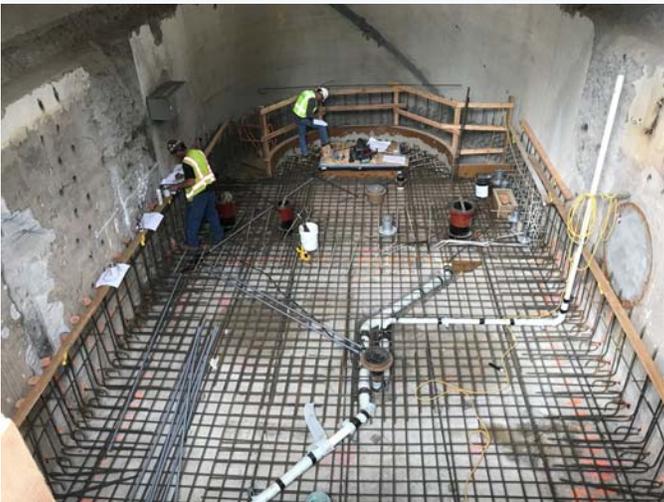
The Portland Water Bureau provides the highest quality water, customer service, and stewardship of the critical infrastructure, fiscal, and natural resources entrusted to our care. We enhance public health and safety and contribute to the economic viability and livability of the Portland metropolitan region. We are a recognized leader among water service agencies across the country.



Crews installed a wheel wash to help keep dirt, gravel and other materials on-site and off roads.



Above photo shows lower reservoir site in May 2017, and below shows May 2018. Over the past year a lot of material has been moved onto the site, much of it coming from the excavation in the upper reservoir site. This is in preparation for the new lowland habitat that is being built on this site.



Inside Gatehouse 3, mid level. Installing new wiring, plumbing, and getting ready to pour a new concrete floor.



Moving native materials from the upper reservoir site down to the old lower reservoir site.



It takes a lot of connections of different types to get a project like this built.

Firefighters from two local stations toured the site with project staff to ensure their adequate response to a potential emergency at the site.



A Reliable Future

The Portland Water Bureau is building a new 12.4-million gallon, seismically reinforced underground reservoir within the footprint of the former Reservoir 3 (upper) with a reflection pool on top, while retaining the historic look and feel of the original. It has been engineered to withstand ongoing landside encroachment and potentially catastrophic effects of a major earthquake.

The new reservoir will supply water to Portland's west side and serve 360,000 people, including all downtown businesses and residents, 20 schools, five hospital complexes, and more than 60 parks. This system of water conveyance and storage makes Portland a livable and thriving community, ensuring public health and economic viability.



Lowland Habitat Area (former Res 4)

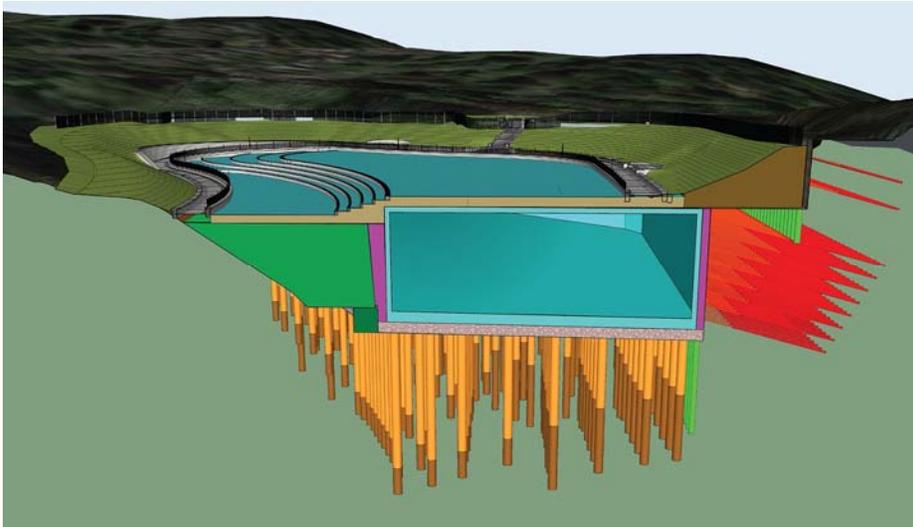
The first phase of construction focused on reshaping the site: removing unneeded structures and materials, stabilizing the hillside, building shoring walls, and installing and replacing utilities.



Aboveground Water Feature (former Res 3)



Spring is blooming, even on our construction site.



Coming Attractions

Over the next year, you can expect several changes to occur on and in the activity around the construction site.

- There will be intermittent traffic delays on SW Sherwood and Sacajawea.
- Community site tours return in July and early fall. Watch for dates in emailed updates and on the webpage: www.portlandoregon.gov/water/wpreservoirs
- The first of two tower cranes will be erected on site in the fall.
- Virtual tour coming online at the project webpage.

Interesting Facts

This project will use:

- 3,000 truckloads of concrete
- 35,000 truckloads of soil
- 7.4 millions pounds of rebar



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