

Fanno Creek Watershed

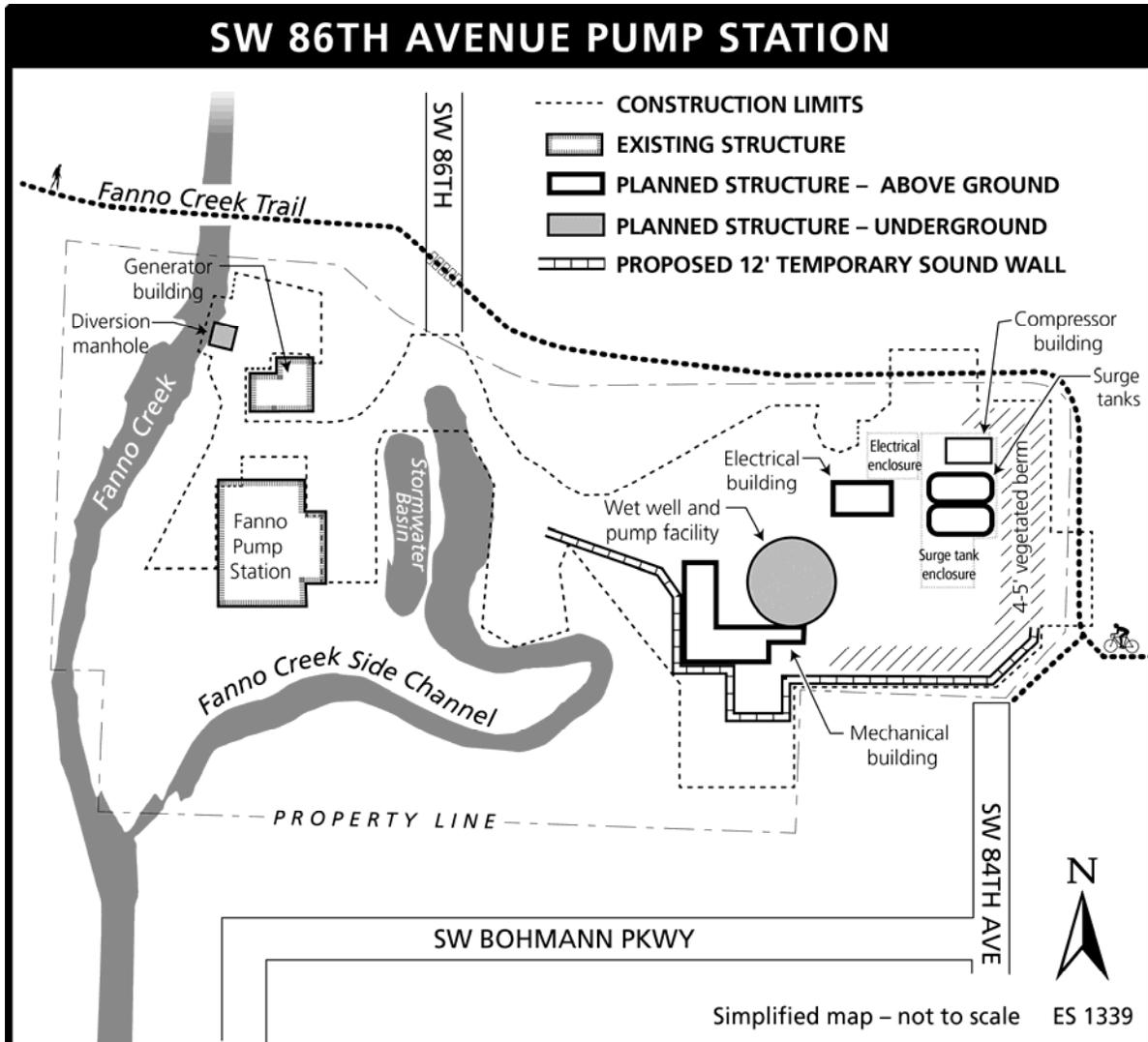
working for clean rivers

SW 86th Avenue Pump Station Construction Update

April 9, 2014

CONTACT: Debbie Caselton, 503-823-2831
Debbie.Caselton@portlandoregon.gov

Environmental Services works to protect water quality and the environment through wastewater collection and treatment, sewer construction and maintenance, stormwater management, and stream and watershed restoration. When the SW 86th Avenue Pump Station is complete at the end of 2015, it will increase the capacity of the Fanno Basin Sewer System to ensure that the system can handle all wastewater flows during large rain storms. It will protect public health and watershed health, specifically Fanno Creek.



Continued



ENVIRONMENTAL SERVICES
CITY OF PORTLAND

working for clean rivers

Over one-third of Portland's 2,500 miles of sewer pipes are more than 80 years old. Projects to replace or repair aging sewers are important for protecting water quality, public health, and the environment. Learn more at www.portlandoregon.gov/bes.

Developments of Note

- Construction crews continue to install the underground wet well and pump facility structure. As crews excavate soil from around the edges and from the center of the heavy concrete structure, it is slowly sinking into the ground. It's currently going down by an average of about 1.5 feet per day and should be at the desired elevation by mid-April.
- Crews currently plan to pour the concrete floor of the underground wet well and pump facility structure at the end of April.
- Work continues in the northwest corner of the construction site behind the Fanno Basin Pump Station Generator Building on a pit that will eventually hold a diversion manhole. Before they install the manhole, crews will launch a 60-inch diameter microtunnel boring machine from the wet well. In June, the machine will tunnel to the diversion manhole pit. Then work crews will install pipe in the tunnel to connect the wet well to the diversion manhole. They will install the diversion manhole after they retrieve the boring machine from the pit.
- Construction crews will install a slurry separation machine on the site as part of the microtunneling process. During tunnel boring, excavated soil and rocks are mixed with slurry and pumped back to the surface. The machine will separate soil from the slurry and the slurry will be reused. The noise level from the slurry separation machine will vary and depends on the amount of rock in the excavated soil.
- Crews continue to work on the surge tank valve vault on the east side of the site, and will start constructing the electrical building when that is complete.
- Later this month, Fanno Basin Pump Station maintenance crews will clean the surge tank installed last summer as part of regular maintenance. Cleaning should take less than a day and scheduling is dependent on the weather. This will involve shutting down the pump station and diverting to Clean Water Services for the day. Odors may temporarily be detectable when maintenance crews open the tank.