

Fanno Creek Watershed

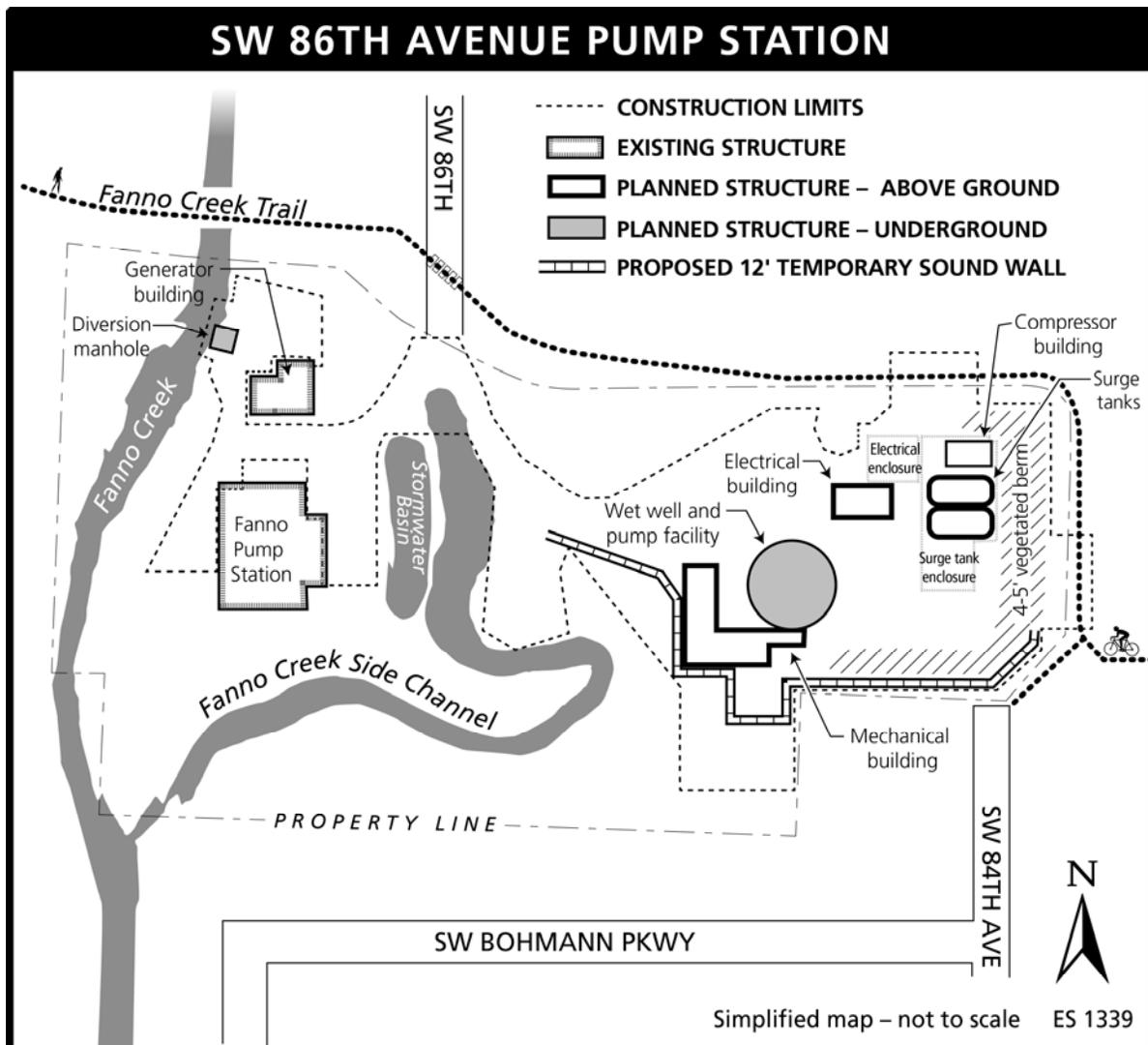
working for clean rivers

SW 86th Avenue Pump Station Construction Update

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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.



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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. The third of four concrete pours of the wet well structure is scheduled at this time for Saturday, February 22.

Starting next week, crews will be working in the northwest corner of the property behind the Fanno Basin Pump Station Generator Building. They will be installing erosion control measures, temporary fencing, and removing trees (previously identified for removal under the site permits). This is the location of the new Diversion Manhole. Before the Diversion Manhole is installed, the 20-foot deep excavation will be used to receive the 60-inch diameter microtunnel boring machine and pump station influent piping, which will launch from the wet well and pump facility structure some time in May and eventually connect the new diversion manhole to the new wet well.

What We've Heard From You

Several inquiries have been received regarding the wet well and pump facility structure. Here are the most frequently asked questions with answers:

Q: What "magic" process did the contractor use to get the caisson structure to sink?

A: The contractor strategically excavates dirt from the interior of the wet well allowing the weight of the structure to slowly sink it.

Q: Is there a solid concrete bottom in the caisson?

A: Once the excavation is completed to sink the caisson structure to the proper depth, a concrete tremie slab will be installed in the coming months. Concrete will be pumped into the bottom of the excavation to seal off groundwater intrusion and add weight to the structure to resist buoyancy forces. The actual concrete floor of the structure is built above this tremie slab but will not occur until after the microtunneling mentioned above is completed.

Sign up for project updates and project information at www.portlandoregon.gov/bes/fanno, email fanno@portlandoregon.gov, or call Debbie Caselton at 503-823-2831.