

## HOLLYWOOD-GRANT PARK SEWER AND STORMWATER PROJECT

# Stormwater Design Information

SEPTEMBER 2014

### Project Background

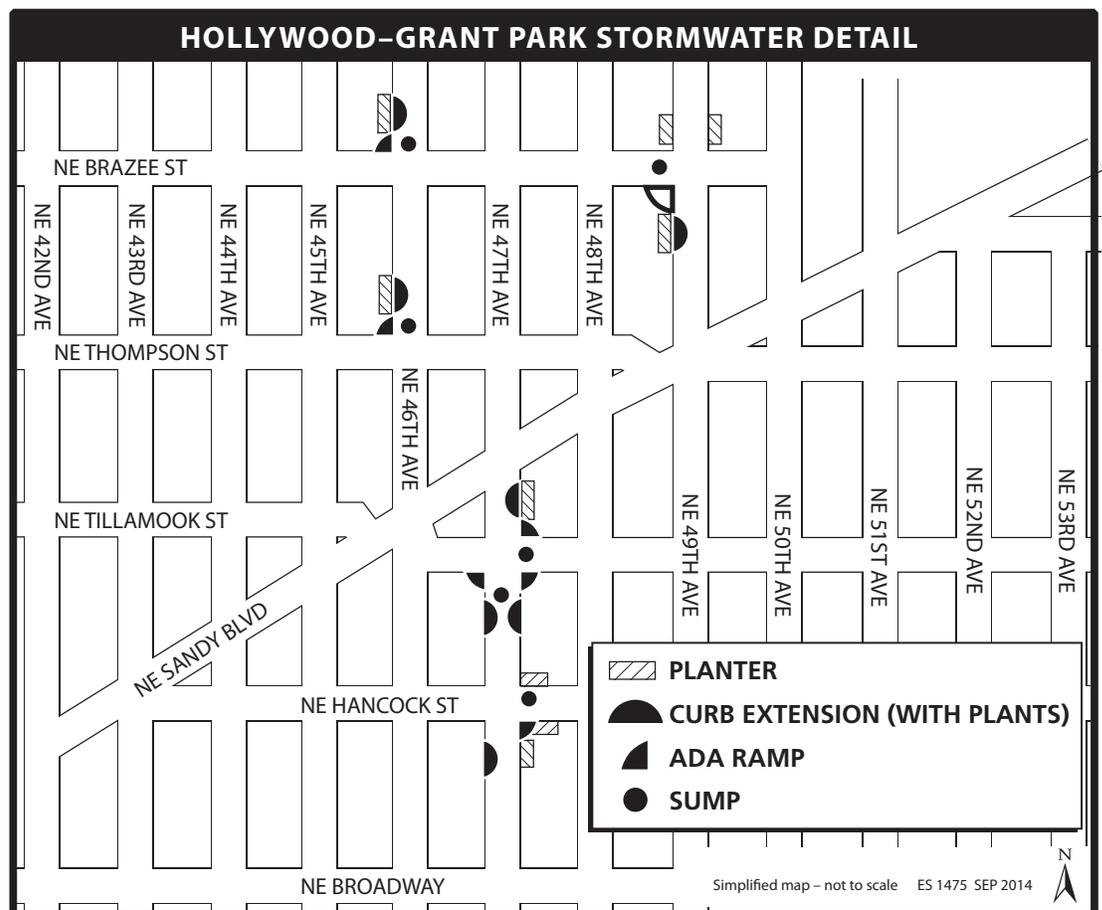
The city installed the 72-inch diameter Sullivan Gulch Sewer Trunk Line in 1911. It's a combined sewer that carries both stormwater runoff and sanitary sewage from northeast Portland neighborhoods to the Columbia Boulevard Wastewater Treatment Plant. Construction of more streets and buildings since 1911 has increased the volume of combined sewage flowing into the trunk line. Keeping stormwater runoff out of the sewer can help avoid a costly project to replace the Sullivan Gulch trunk line with a larger pipe.

### FOR MORE INFORMATION

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[www.portlandoregon.gov/bes/HGP](http://www.portlandoregon.gov/bes/HGP)

### Locations Planned for Stormwater Facilities

The map below shows the current project design with potential locations of stormwater management facilities.

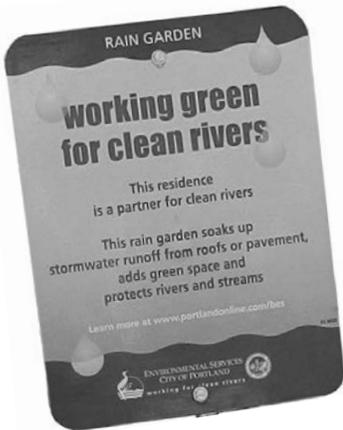


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## Rain Garden Partnerships

As part of this project, Environmental Services worked with six homeowners on NE 46th and NE 49th avenues to construct rain gardens on their properties to manage stormwater. These projects keep over 160,000 gallons of stormwater out of the combined sewer system. The rain gardens are all visible from the sidewalk and marked with small blue and green signs.



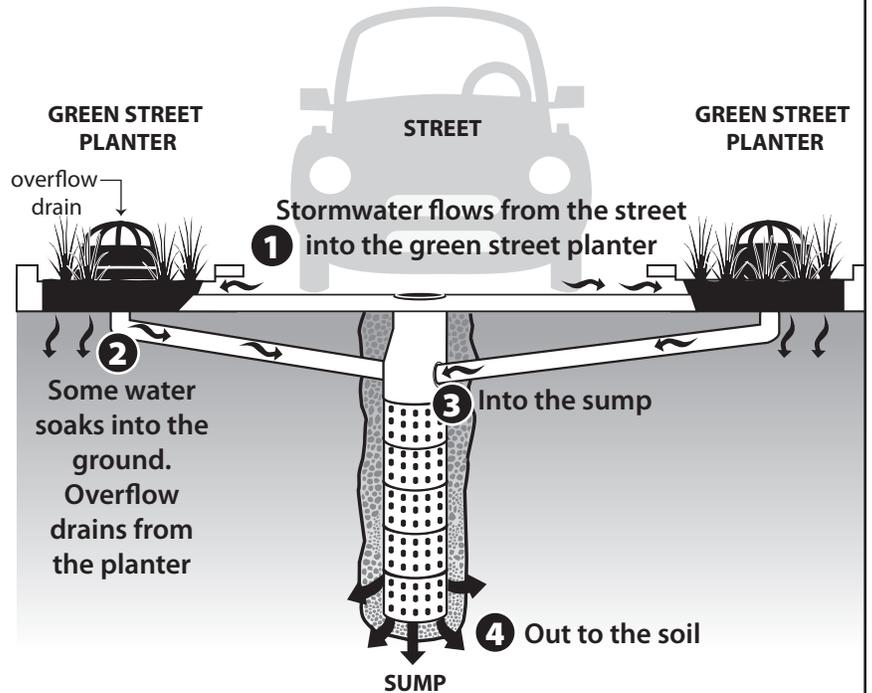
## Street Trees Manage Stormwater

Environmental Services is also working with Friends of Trees to plant street trees in the project area. Trees absorb rain to reduce stormwater runoff, cool the air, provide habitat and beautify neighborhoods. If you'd like to plant a street tree, please contact Naomi Tsurumi at [naomi.tsurumi@portlandoregon.gov](mailto:naomi.tsurumi@portlandoregon.gov) or 503-823-4886.

# What is a sump?

A sump is a perforated pipe installed vertically underground. Sumps collect stormwater runoff and allow the water to soak into the ground. Sumps are also known as underground injection controls, or UICs.

The sumps in this project will be connected to green street planters that will collect and filter stormwater runoff from the street. Soil in the green street planters will absorb much of the runoff. Overflow from the planters will flow into the sump and slowly soak into the ground.



For illustration only. Not to scale.



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Over one-third of Portland's 2,500 miles of sewer pipes are more than 80 years old. Portland combines sewer improvements that replace or repair Portland's aging sewer pipes with green streets, ecoroofs, trees, and other green infrastructure to increase sewer system efficiency, and protect water quality, public health, and the environment.

Learn more at [www.portlandoregon.gov/bes](http://www.portlandoregon.gov/bes)

The City of Portland complies with all non-discrimination laws including Title VI (Civil Rights) and Title II (ADA). To request a translation, accommodation or additional information, please call 503-823-7740, or use City TTY 503-823-6868, or Oregon Relay Service: 711.