

59th Court Stormwater Outfall Repair

Location: End of SE 59th Court

Project Type: Stormwater outfall repair

Purpose: Built in 1970, the original stormwater outfall serves 59th Court neighborhood and parts of 59th Avenue and Maple streets. The original 59th Court stormwater system had no stormwater treatment prior to the outfall.

Repair: The outfall carved a deep channel down to Rock Creek, resulting in earth movement, erosion, and fallen trees.

The repairs included:

- Installed a 12-inch temporary above ground pipe, manhole, and outfall
- Excavated and installed 200 feet of new underground stormwater pipe
- Installed a water quality pre-treatment manhole, water quality filter vault, 10 Contech filter cartridges, and ditch inlet
- Filled and graded the existing channel to current slope profile
- Stabilized the site with trench compaction, rock, and ground cover

Project Funding Sources

The Surface Water Management Local Service Fee funded this entire project.

Project Timeline

Fiscal Year 2016-17 temporary repairs:

- Assessed the ground stabilization
- Developed plans/designs for temporary outfall repair
- Installed temporary outfall repair

Fiscal Year 2017-18 permanent repairs:

- Developed plans/designs for permanent outfall repair
- Constructed permanent outfall repair

Project Cost

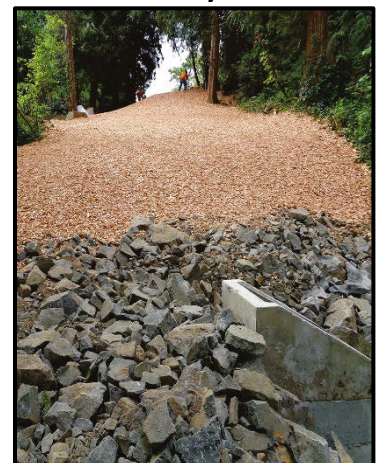
- Total Project Cost: \$220,130



Before



Water Quality Filter Vault



After