

Project Narrative

Herzl-Ner-Tamid Storm System Repair

February 21, 2025

The proposed stormwater repair at the Herzl-Ner-Tamid Campus, located at 3700 E Mercer Way, Mercer Island, WA 98040, seeks to address significant issues with the existing private stormwater main on site. Currently, the storm system consists of a combination of 4", 6", and 8" diameter pipes that serve the three buildings on the campus, discharging directly into Lake Washington with a submerged outfall on the east side of the property. Observations and investigations have revealed that the system is in poor condition, and contains undersized pipes, that are no longer capable of effectively managing stormwater runoff. The existing infrastructure, which appears to be composed of concrete pipes installed in the 1970s, is aging, and many sections have separated from each other and are nearing the end of their functional life or soon will be. The existing system is undersized, and is not in a condition to be repaired or salvaged.

In order to protect the existing buildings and property, the existing storm pipes will be left in their current location to continue to serve the property, while a new parallel stormwater pipes and a new outfall located above the Ordinary High Water Mark are installed. No work is anticipated below the Ordinary High Water Mark. The repair will involve trenching for the new stormwater pipes, bypassing the existing, deteriorating infrastructure. Existing building downspout tightlines, existing catch basins will be connected and tied into this new storm main. The new storm system will be designed to effectively manage the stormwater runoff, including both current flow rates and water quality treatment, which does not currently exist. This replaced storm system will ensure that the drainage needs of the existing and future site

improvements are met. Once the new system is in place, the pavement above the trench areas will be restored, ensuring that the site returns to its original condition.