



## Mukilteo Public Works Decant Facility - Project Description

### **Overall Goal:**

This project will help protect and restore water quality in Washington by reducing stormwater impacts from existing infrastructure and development.

### **Description:**

The City of Mukilteo's current decant station is uncovered and isolated from an uncovered stockpile area for decant solids, both of which produce contaminated runoff which enters the onsite stormwater system. The current decant settling vault does not have adequate capacity to store the materials removed from the City's stormwater system. This results in not meeting the required settling times before release into the sanitary sewer system. Due to this, the current settling vault must drain back into the storm system untreated, which outfalls into Japanese Gulch Creek and eventually the Puget Sound.

The Decant Station and Settling Vault at City of Mukilteo Public Works Shop Project proposes to construct a new decant station and solids storage area in the public works yard, and construct a roofing system over these areas to prevent runoff from the Public Works Shop site from becoming contaminated before it enters the stormwater collection system on site. The project also proposes to construct a new decant settling vault which will be sized to store one day's worth of material cleaned from the City catch basins and sediment ponds. This material will settle overnight and be drained each morning to the City's sanitary sewer system. The proposed cover over the above ground storage areas and the larger settling vault draining to the sanitary sewer instead of the stormwater system will remove a significant amount of pollutants from the downstream waterways.

In addition, part of the structure will be enclosed garage bays for housing equipment used in the City's stormwater functions.

The new decant station and the larger settling vault will also improve operations efficiency at the City by requiring less time to be spent cleaning the settling vault, freeing up more time to spend maintaining existing stormwater infrastructure within the City's public right-of-way.

### **Description of project:**

- 8150 Sq. Ft. of covered decant and storage facility
- 3 bay garage with no additional outside parking spaces
- Metal building on concrete walls
- No landscaping



CITY OF  
**MUKILTEO**

*Public Works Department*

**Location:**

- Parcel #28041000302100
- 4206 78<sup>th</sup> Street SW, Mukilteo WA, 98275
- Industrial/commercial neighborhood

**Site Characteristics**

- Generally flat site
- Site has some vegetation around the perimeter of the parcel. All will be retained except for what is being removed for the new building
- Site has a wetland and a stormwater pond
- Site has two existing buildings and a paved lot

**Ownership**

- City of Mukilteo is the property owner
- Mukilteo Public Works is responsible for the project

**Infrastructure**

- Infrastructure improvements are related to the decant and include a settling vault, power, water and sewer to the facility
- No street frontage improvements

**Grading**

- 6240 Cy of material will be removed from existing dirt pile

**Schedule**

- Fall 2020 project start and spring 2021 completion