



Watercourses: Burnaby Terminal

Burnaby Terminal: Watercourses

What

- Tributaries of two non-fish bearing creeks will be diverted to allow construction of 14 new storage tanks
- Two tributaries associated with Eagle Creek and two tributaries associated with Silver Creek
- The tributaries will be diverted into new culverts that traverse the terminal facility
- After construction, water flows leaving the south side of the terminal will be the same as water flows entering the north end of the facility
- The water flows will be the same as the pre-construction flows

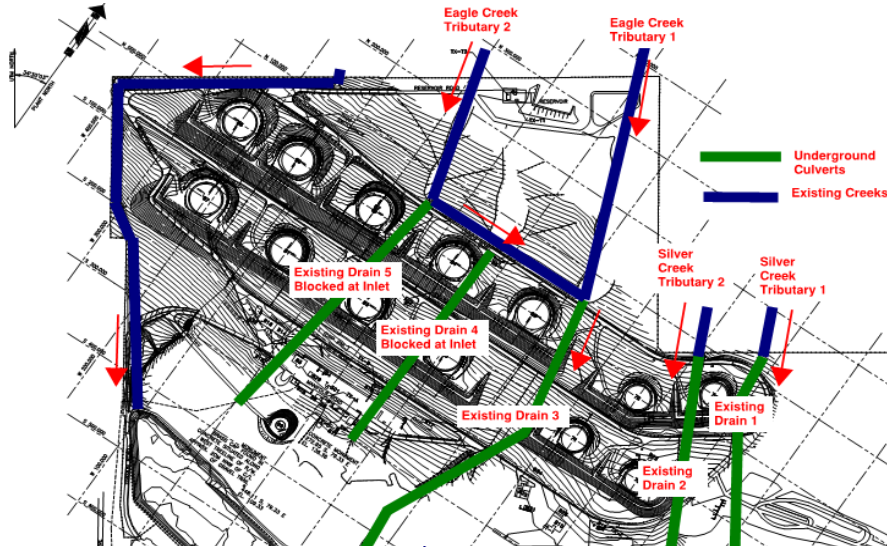
When

- The diversions are scheduled to occur between September 2017 and March 2018

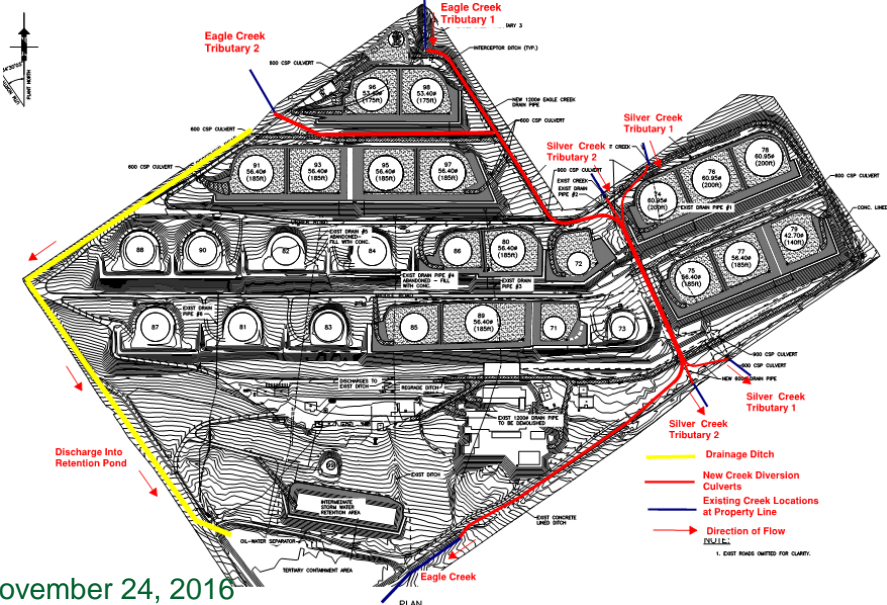
Diverting the Watercourses

- Creek channels will be dewatered at the north boundary of the facility and diverted into the existing culverts (Eagle Creek tributaries) or the natural creek outlet at the south side of the facility (Silver Creek tributaries)
- Outlet structures will be constructed first and culvert construction will work from the outlets to the creek channel inlets at the north end of the facility.
- Silver Creek tributary 1 and tributary 2 will have separate diversion culverts
- Eagle Creek tributaries will be diverted through 1 culvert. A short diversion culvert will link Eagle Creek tributary 2 to the tributary 1 culvert
- The dewatering system will be removed when all work has been completed

Watercourse Diversions



Creek Culverts
Existing Conditions



Creek Culverts Relocation

Mitigation for Watercourse Diversion

- A Water Management Plan will be in place for the work. The plan will outline the process for capturing and treating any construction runoff water that has elevated turbidity levels.
- An environmental inspector will be on-site to monitor the construction work
- Trees cleared for the expanded facility will not be felled into the stream channels
- Excavators and heavy equipment will stay on the upper benches so they are not working in the flowing water
- Backup pumps, hoses and generators will be on-site during dewatering operations in case of mechanical issues
- Reclamation of the inlet and outlet areas will occur immediately after completion of the creek diversions to minimize the risk of soil erosion