



# STORMWATER ACTION CENTER FACT SHEET

## Name of Project:

Bellingham Technical  
College Campus Parking  
Stormwater Control

## Location:

Bellingham, Washington

## County:

Whatcom County

## Watershed:

Little Squalicum Creek  
Watershed

## Website:

[www.2030districts.org/sites/default/files/atoms/files/S2030\\_Stormwater\\_Guide\\_1.pdf](http://www.2030districts.org/sites/default/files/atoms/files/S2030_Stormwater_Guide_1.pdf)

## BELLINGHAM TECHNICAL COLLEGE CAMPUS PARKING STORMWATER CONTROL

### OVERVIEW:

The total project included the expansion of two buildings, parking areas, innovative stormwater improvements, associated utilities, and site improvements. As a result of the parking expansion, two bioretention cells totaling 1,950 square feet were installed with the capability of infiltrating 100% of the stormwater from the 0.78 acres of landscaping and asphalt that was directed to them. There is 10 – 20 foot thick layer of silt and clay below the surface of the campus. Below these soils reside ample sandy soils conducive to infiltration with adequate separation from groundwater. Wilson Engineering working with Geo Engineers developed a bioretention design to treat all the stormwater from this expansion. A 15 foot deep trench was excavated removing clay soils to create an avenue for treated runoff to infiltrate into the lower sandy soils. The trench was backfilled with engineered soils designed to control the rate of infiltration and treatment of the parking lot run off. The trench was then top dressed with a rain garden consisting of organic top soil, compost and native plantings.

### BENEFITS:

- Increase stormwater quality
- Decreased stormwater surges
- Aquifer and wetland recharge
- Natural beauty

### FUNDING SOURCES:

- City of Bellingham



-  - Water Storage
-  - Bio-Filtration/Green Infrastructure
-  - New/Improved Drainage Infrastructure

