Storm-water Management in Site work

Required Practices for Sediment and Erosion Control

Sediment and Erosion Control during the construction period is an important aspect of the environmental performance of the development. Contractors are required to design and implement source control measurements to control transport of sediment and soil during construction. This may include developing a Storm-water Management Plan for LEED registered projects.

Generally, for major projects, contractors should expect to meet or exceed the City of Burnaby requirements as part of the Building Permit process including implementing

- Sediment and erosion control during construction to prevent clogging of rainfall capture facilities and their underlying soils
- Truck wheel wash on site
- Management of construction sites to prevent disturbance and compaction of infiltration area under roads if applicable (i.e. maintain underlying soils in their natural undisturbed state).

Landscaping

The objective of landscaping from the storm water management point of view is to create as much permeable surfaces in development areas so that ground surfaces resemble the hydrologic functions of natural areas. Since rainfall capture and runoff control facilities are designed to manage the runoff from impervious areas, pervious areas must be 'self-mitigating' from a storm water management perspective (i.e. achieve both rainfall capture and runoff control targets).

Acknowledgement:

These requirements are based on SFU Community Trust Development Guidelines, 2010 http://www.univercity.ca