

Stormwater Best Management at Pascone Park Restoration

(formerly Ashford Park)



BRONX RIVER WATERSHED INITIATIVE PROJECT #2008-0117-005

Funded by New York State Office of the Attorney General

Stormwater Runoff:

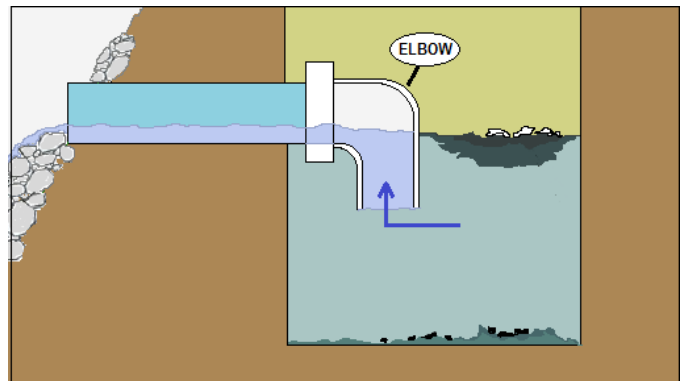
Rain or melting snow runs over all surfaces and carry pollutants into our local water bodies. This is called Non-point Source (NPS) pollution because it comes from everywhere, not a single point source. There are stormwater treatment techniques that can be used right before runoff enters the storm drain pipe and right after the runoff exits the pipe. Two of these techniques are part of our project.

Catch Basin Outlet: (5)

Stormwater runoff, trash and vehicular fluids enter the catch basin through the grating cover. Some heavyweight debris falls to the bottom of the basin. The catch basin outlet has been modified by adding a right angle, downwards facing elbow. This elbow prevents direct entry of floating trash into the outfall pipe. Hydrocarbon vehicle fluid remains floating on the surface, and cleaner water is drawn from beneath this layer. This simple concept modification can be applied to any catch basin to improve runoff quality, where water level will not cover outfall pipe outlet to water body, as in our project. If outfall water level is too high, an anti-siphon modification is needed for the catch basin elbow.



runoff
from
impervious
surface



Outflow Rip Rap Installation: (12)

Outfall pipes deliver stormwater runoff directly to waterbodies. It was desirable to attenuate outflow from the pipe to prevent soil erosion on the stream bank. A pathway of rip rap stones, 9" to 12" size, was placed leading from the outfall pipe to the stream bank. The pathway is 31 ft long and 4 ft wide. It is angled back and forth, rather than leading straight down, in order to further slow the flow. At the terminus, it runs parallel to the stream for a few feet to result in some final attenuation.

Rip rap is an effective material to use for attenuation of any runoff. For example, if home down spouts are disconnected, a path of rip rap may be added to prevent erosion at outflow.

For more information about Stormwater Runoff and Non-point Source Pollution, please go to:

<http://planning.westchestergov.com/nonpoint-source-pollution>