

Stormwater Best Management at Pascone Park Restoration

(formerly Ashford Park)



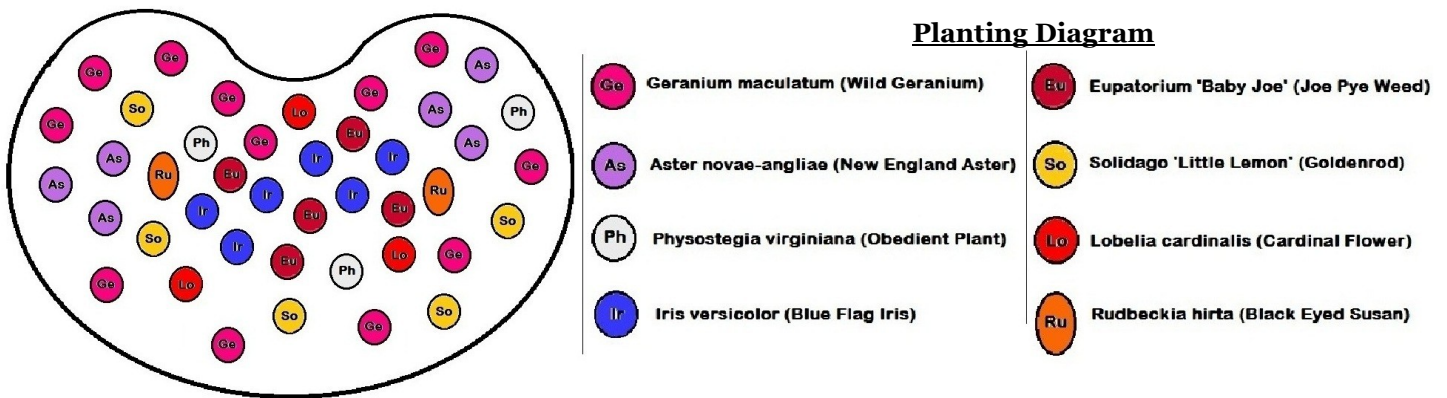
BRONX RIVER WATERSHED INITIATIVE PROJECT #2008-0117-005

Funded by New York State Office of the Attorney General

Eagle Scout Rain Garden: (9)

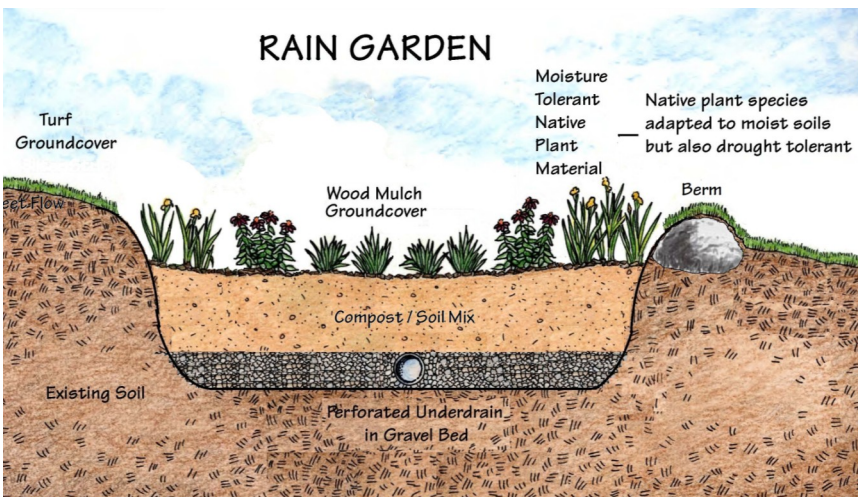
The rain garden is a bowl-shaped garden filled with native perennial plants. Sheet flow from surrounding grass turf goes into the depression. Plants and soil act as water filters and cleanse water collected in the garden as it infiltrates into the ground.

Eagle Scout Kazuki Nakatani, along with fellow Scouts and their families, began by growing native perennial flowering plants from seed, indoors beginning in March 2010. In May 2010, Ardsley Highway Department assisted with excavation, and Scouts planted the seedlings along with additional mature plants.



The Scouts also constructed a berm on the south side of the garden, and added a layer of mulch when the planting was complete.

This rain garden is constructed on a 5% slope. It was excavated to a depth of 33", and backfilled with a 6" layer of gravel, followed by 18" of soil/compost mix, topped with 3" of mulch. A 6" perforated underdrain pipe runs through the gravel layer. The berm was constructed on the downhill side using large stones found on site. Planting level is 6" below grade to allow sufficient water collection.



Graphic Credit: Westchester County Department of Planning (illustration modified from original)



Rain Gardens are suitable for residential use when properly sited, and expert advice is needed for choosing placement.



Eagle Scout Team

For more information about Rain Gardens, please go to:

<https://dnr.wi.gov/topic/shorelandzoning/documents/rgmanual.pdf>