

# BUILDING CLIMATE RESILIENCE: SITE DESIGN APPROACH FOR WATERSHED, SOILS & ECOLOGY

## Strategies to restore ecology of the site, connect green areas and people & build water storage capacity

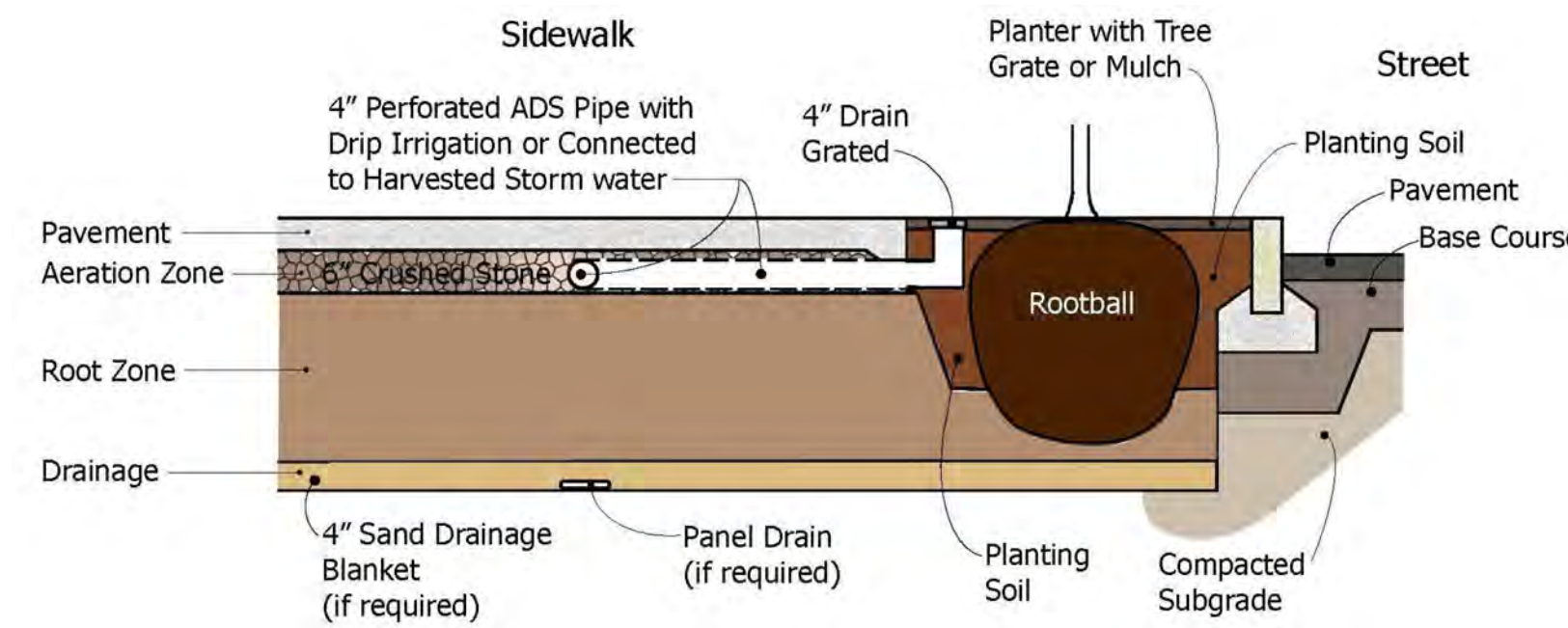
- 1 Collect clean roof runoff into a 6,000 gal. underground storage tank to reuse for irrigation
- 2 Permeable pavers and expanded tree pits allow stormwater to infiltrate & recharge the watershed
- 3 Rain gardens using bioretention soils capture & slow stormwater run off while creating habitats and restoring the ecology of the site
- 4 Sand based structural soils per soils scientist provide expanded space for tree roots under pavement, extending new street tree life
- 5 Shade trees in city right-of-way provide relief from the heat island effect in the neighboring community
- 6 Sidewalks and gathering spaces allow access to nature in an underserved community



WOODLAND GARDENS WITH PERMEABLE PAVER COMMUNAL SPACES CONNECT TO DEXTER FIELD, PROVIDING NEIGHBORHOOD RESOURCE



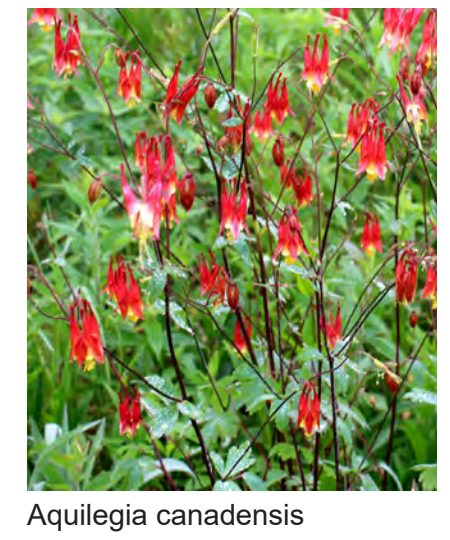
SOUTH CORNER OF LANDSCAPE ON DEXTER STREET



Carex Pensylvanica



Amsonia Blue Ice



Aquilegia canadensis



6,000 GALLON UNDERGROUND CONCRETE WATER STORAGE TANK

