Map produced by the U.S. Environmental Protection Agency Region 1 in partnership with the Boston Water and Sewer Commission. This workshop is sponsored by US EPA Washington, D.C. and the New England regional offices, and organized under a cooperative agreement with the New England Interstate Water Pollution Control Commission (NEIWPCC).
1) Dewey Square Park - Rain Garden, Rose Kennedy Greenway, between Congress and Summer Streets and Atlantic Avenue. Walk ~ 10 min.

To help celebrate Earth Day 2012, EPA Region 1 worked alongside YouthBuild Boston and the Rose Kennedy Greenway Conservancy (two organizations that train urban youth for green jobs in landscaping and gardening) on this rain garden installation. In 2012 EPA R1 also launched its stormwater public outreach campaign, “Soak Up the Rain,” to raise awareness about stormwater pollution and to encourage citizen action to reduce polluted runoff and flooding; protect water resources; and beautify neighborhoods. This rain garden is part of the Dewey Demonstration Gardens where citizens can also learn about raised beds and composting. Watch the video at https://www.youtube.com/watch?v=_FWx1cdB9bE

2) East Boston Greenway - Rain Garden, East Boston Greenway, East Boston. MBTA Blue Line to Maverick + walk (near 150 Orleans St.) ~ 14 min.

This rain garden was constructed as part of an EPA-funded training in partnership with the Boston Parks and Recreation Department, with participation from the Neighborhood of Affordable Housing (NOAH); neighborhood residents; youth groups, and Boston Water and Sewer Commission. The garden was designed, in part, to help with flooding and it creates an aesthetically-pleasing centerpiece to a section of the East Boston Greenway that hundreds of people walk, cycle or run by daily. Within walking distance to Central Sq. (#3) and Library (#5).

3) Central Square - Permeable Pavement; Infiltration Chambers; Tree Pits, Central Square, East Boston. MBTA Blue Line to Maverick + walk ~ 15 min.

Currently under construction, this pilot project is a collaborative effort involving several departments in the City of Boston and is designed to encourage wider use of GI throughout the city. When completed, the site will showcase numerous GI features including: porous asphalt; permeable pavers; porous concrete; tree pits; and infiltration trenches. GI in Central Square will manage the volume of runoff from the 1-inch storm (approx. 0.26 acre feet) through infiltration and evapotranspiration. Within walking distance to East Boston Greenway Rain Garden (#2) and Library (#5).

4) Charlestown Police Station - Rain Garden; Pavers; Rainwater Harvesting/Reuse, 20 Vine Street, Charlestown. MBTA Bus #93 to Vine St. @ Moulton St. ~ 15 min.

This site was the first newly developed municipal site on which the City of Boston incorporated LEED sustainable design standards in accordance with their Green Building ordinance. The rain garden along the Hunter Street side of the building, captures and filters runoff (1-year, 24 hour storm events) from nearby streets; rooftops; parking lots; and compacted lawns. A rainwater harvesting system (perforated pipes/cistern) captures runoff for reuse in irrigation and toilet flushing.

5) East Boston Public Library - Rain Gardens; Permeable Pavers; Underground Cistern, 365 Bremen Street, East Boston. MBTA Blue Line to Airport + walk ~ 20 min.

This highly visible site--seen by library patrons, neighbors and passerby who frequent the nearby Community Gardens and East Boston Greenway-- showcases a series of lush rain gardens located in front of the library on Bremen Street, as well as permeable pavers and an underground cistern which help to promote infiltration and harvest surface and roof runoff for reuse. Demonstration of these practices is aided by educational signage. Walking distance to sites #2 and #3.

6) Seaport Boulevard Green Infrastructure, 66 Northern Avenue, Seaport District, Boston. Walk ~20 min or MBTA Red Line to Silver Line to Courthouse ~15 min.

With the surge in development in this previously industrial area, GI can be found on almost every block. Starting at the Courthouse stop (Silver Line) walk east on Seaport Blvd and then left onto Northern Ave to see numerous tree pits and various examples of permeable paving that allow infiltration along sidewalks, parking lots and bike lanes. Be sure to check out the “stormwater parks” with tiered lawns and a water feature (stormwater cascading down granite steps).

1 This map includes a sampling of the existing green infrastructure located near the Omni Parker House Hotel in Boston.

2 As with any metropolitan area, people are advised to be safe and mindful of their surroundings when traveling to and exploring sites.

3 Title (Nearby Green Infrastructure: Location, travel directions and descriptions) is a hyperlink to Google Maps. Click on it for additional information.
The City of Boston is encouraging wider use of the stormwater runoff management practices seen at this site for other residential development and redevelopment projects. Installed practices include a long vegetated bioswale interspersed with pavers across driveways. The bioswale, combined with the rain gardens at each of the houses, capture the majority of the stormwater runoff produced by the driveways, sidewalks, and roofs on these properties.

8) **Peabody Square - Rain Gardens, Permeable Pavers**, Peabody Square (Talbot Avenue, Dorchester Avenue, and Ashmont Street intersection), Dorchester.
This major intersection was once completely paved and stormwater runoff from the site exported a large pollutant load to the Charles River. The Boston Public Works Department, Charles River Watershed Association, and several neighborhood groups, collaborated to create an aesthetically-pleasing plaza with rain gardens, permeable pavers, and planted spaces. GI at this site provides a highly visible alternative to “grey infrastructure” catch basins and storm drains typically seen in large intersections and uses vegetated features to filter out pollutants from stormwater.

The rain gardens and permeable pavement in the Ruggles Street lot reduced the amount of impervious area by almost half. The rain gardens not only help to filter out pollutants from vehicles parking on the lot, they also provide some small relief from the urban island heat effect.

10) **Dudley Street Bus Shelters - Green Roofs**, 664 Dudley Street, Dorchester.
Boston became one of the first cities in the country to retrofit existing bus shelters with “living roofs” that intercept stormwater runoff and provide green respites in otherwise highly impervious neighborhoods. This pilot, which began in 2014, was a true collaboration led by the Fairmount-Indigo Line CDC Collaborative and Land Escapes with support from EPA, and with a range of stakeholders including the City of Boston; JCDecaux North America; the Massachusetts Bay Transit Authority; and YouthBuild Boston. Funding from an EPA Healthy Communities Grant supported installation and maintenance of the 4 remaining green roofs which will be removed before winter.

11) **Washington Irving Middle School, Boston Public Schools - Bioswales, Bioretention, Tree Pits**, 105 Cummins Highway, Roslindale.
This flagship pilot project provides the students of the Washington Irving Middle School an opportunity to learn and connect with green infrastructure at a young age. Innovative and educational GI was designed for this site, including a partial concrete/partial vegetated bioswale that allows students to do a side-by-side comparison of gray and green stormwater infrastructure and a large bioretention feature with paths and boulders for play and reflection. Tree pits surrounding a new permeable turf field and track provide more green space, shade, and play opportunities while also managing stormwater.

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1 These sites are not included on the map, Nearby Green Infrastructure and Green Spaces, due to longer distances and travel times.
2 These sites represent a sampling of the existing green infrastructure in Boston.
3 As with any metropolitan area, people are advised to be safe and mindful of their surroundings when traveling to and exploring sites.
4 Title (A Few Other Noteworthy Green Infrastructure Sites in Boston) is a hyperlink to Google Maps. Click on it for additional information.