

Facilitating Green Infrastructure for NY Coastal Communities

Although there are state standards for the development of green infrastructure (GI), communities in New York State have lacked local guidance specifically focused on retrofits. Until 2017, that is.

In 2017, New York Sea Grant (NYSG) partnered with the City of Rochester, Monroe County, and the National Atmospheric and Oceanic Administration (NOAA) to gather stakeholder input for the development of a locally-focused GI retrofit manual. The discussion focused on designing a manual that would provide guidance to planners, municipal staff, design engineers, and maintenance personnel to successfully incorporate green infrastructure practices in retrofits and redevelopment projects within the City of Rochester and Monroe County.

The 189-page *GI Retrofits Manual for the City of Rochester & Monroe County*, developed by Barton and Loguidice, DPC, an engineering, environmental, planning, and landscape architecture contractor, addresses planning, design, construction, operation, maintenance and monitoring.

A 109-page appendices document that accompanies the manual includes such items as the pollutant removal efficiencies of GI practices; construction inspection, operation and maintenance forms; cost calculator; infiltration and soil testing protocols; sample maintenance agreement; recommended plants for green infrastructure installations; and case studies.

Implementing the GI planning and design recommendations, construction and operation best practices, and maintenance and monitoring protocols within the manual will lead to:

- increased resiliency to nuisance flooding
- water quality improvements
- improved community design, and
- other benefits to the environment and host communities.

The *GI Retrofits Manual for the City of Rochester & Monroe County* was developed with critical stakeholder input to provide localized guidance that will help those stakeholders undertake successful GI retrofits.



Green infrastructure “Construction” chapter work session in Rochester, NY. Photo: Mary Austerman, NYSG



CITY OF ROCHESTER & MONROE COUNTY

APPENDICES

GREEN INFRASTRUCTURE RETROFIT MANUAL

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Prepared by Barton & Loguidice, DPC

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Partners:

- City of Rochester
- Monroe County
- NOAA
- The Association of State Floodplain Managers
- Barton & Loguidice, D.P.A.

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