



Roadway Drainage Improvements and Stormwater Treatment

Plymouth, Massachusetts

The Town of Plymouth, like many other older Massachusetts towns, has a wide diversity of road networks that pre-date modern drainage and stormwater management. The historic downtown area also drains to Plymouth Harbor, a shellfishing area that has been closed for many years as a consequence of pollutants derived from stormwater runoff. As part of a municipal capital improvements program and funding from the Massachusetts 319 Non-Point Source Grant Program, the Town is pursuing ten separate stormwater management and roadway drainage projects.

The Horsley Witten Group, Inc. (HW), in association with GeoSyntec Consultants, was retained by the Town to develop construction-ready plans and specifications for three water quality treatment sites draining to historic Plymouth Harbor and seven roadway drainage projects throughout the Town.

HW's work products included the completion of topographic easement and rights of way surveys, as well as:

- Existing conditions site surveys;
- Delineation of wetland and other jurisdictional resource areas;
- Preliminary design and planning level cost estimates;
- Final design and construction quantity and cost estimates;
- Project permitting;
- Technical specifications and bidding documents;
- Construction administration services; and
- Supporting computations and information for 319 Grant Program management.

HW and GeoSyntec developed innovative low-impact development (LID) stormwater management practices and drainage improvements to solve complex drainage issues, while providing cost-effective stormwater treatment for pollutants of concern.

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