



LID, Engineering & Design Projects with the City of Philadelphia:

Pervious Pavement TPEC completed parking lot design using pervious pavement at the Queen Lane Wastewater Treatment Plant.

Bioretention Pond TPEC designed the bioretention basin for stormwater management at the Baxter Wastewater Treatment Plant.

Southeastern Waterway Restoration Working with CDM, TPEC provided an interdisciplinary water resources team consisting of engineers, scientists, planners, and landscape architects to conduct water quality and ecological assessments, review stormwater management practices, and restore degraded stream channels and wetlands.

We are included on PWD's list of Firms Issued Full Stormwater Approvals.

Small firm approachability. Big firm capability.

TPEC works closely with such firms as AECOM, CDM, and WR&A providing engineering, design, and permitting for large-scale projects in the U.S. and abroad. Our clients have included the U.S. EPA, Army Corps of Engineers, and U.S. Navy, and we have worked with the City of Philadelphia for over a decade.

To complement our in-house *engineers, scientists, and planners*, we have a team of consultants available to accommodate specific project needs. In this way, TPEC can complete large-scale, multi-disciplinary projects at very competitive costs.

Stormwater Management & Design



TPEC is providing LID engineering design services at a 13.2-acre solid waste management and recycling facility in North Philadelphia. A combination of site engineering, stormwater management, and construction of a green roof will substantially reduce stormwater runoff and quality the property for stormwater credits with the Philadelphia Water Dept.

Bus Shelter Green Roof

TPEC performed structural evaluation and design modification assistance for a bus shelter located in the City of Philadelphia. The project was part of the Bus Shelter Green Roof Pilot Project initiated by the Mayor's Office and the Philadelphia Water Department Office of Watersheds.



The Enterprise Center Green Roof

TPEC will perform the structural evaluation of the roof system at The Enterprise Center near 45th and Market Streets in the City of Philadelphia. Other features planned for the property include a geothermal heating and cooling system, which has been installed, and pervious pavement in the site's parking lot.

Green City Clean Waters

Several TPEC members work onsite at the PWD Office of Watersheds and Public Affairs Unit helping to develop the *Green City, Clean Waters* plan and strategy for implementation, among a variety of other water resources-related initiatives.

Our staff are experienced in integrated watershed management, green stormwater infrastructure planning, hydraulic and hydrologic modeling, policy-making, community outreach, coordination and partnership development.

Watch for the next issue of our newsletter *Spectrum* in Late Fall 2011.

***Celebrating 18 Years in
Business!***

Trans-Pacific Engineering Corp.
2300 Computer Avenue
Suite L-65
Willow Grove, Pennsylvania 19090
T: (215)659-2490
F: (215)659-2702

www.tpeceng.com