

Protecting Wilmington's Waterways



City of Wilmington Green Infrastructure

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Run-off Control Using Green Infrastructure



- Clean Waterways in Wilmington
- CSO 4A green infrastructure feasibility study (first 1.5")
- Study Funding: DNREC Surface Water Planning Grant



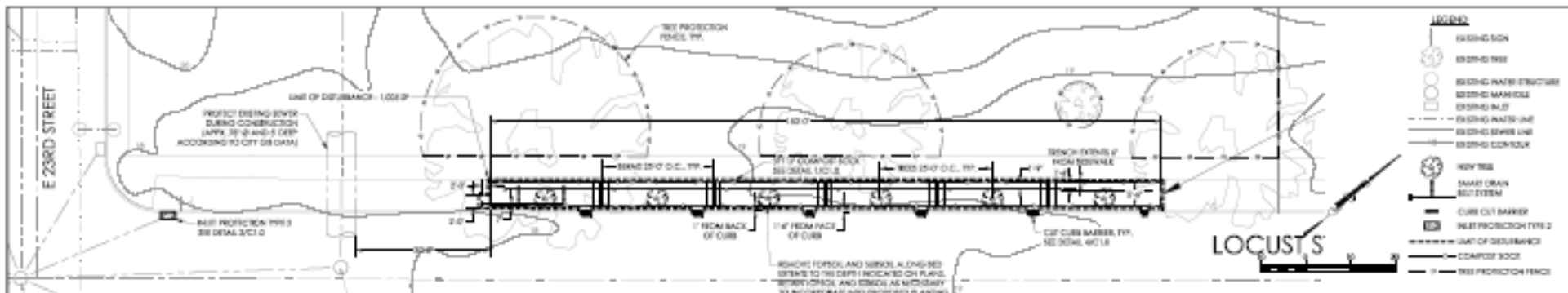
Green Solutions: 23rd & Locust Tree Trench Pilot Project

Funding:

- City capital funds, urban forest management
- Delaware Center for Horticulture US Forest Service Grant

Obstacles:

- Finding an acceptable location (utilities, approval from Parks Dept.)
- Gaining support from neighbors
- Timing: operating funds & contracts, bid process,
- Maintenance responsibility
- City ordinances-underdrain connection



Spencer Plaza Partnership



■ Funding:

- Public works provided stormwater engineering, construction inspection, tree expertise
- Parks provided plaza construction and landscape design funds (capital)

■ Obstacles

- Design vs. stormwater functionality
- Tree species
- Soils
- Logistics of cross departmental collaboration
- Festival timing



Key to Success



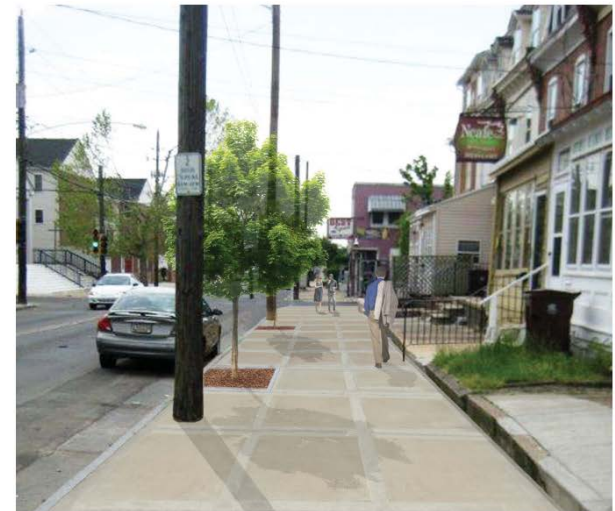
- Locate all utilities- Vandever Ave. example
- Assign maintenance responsibility
- Community support
- Display educational signage
- Seek advice from plant and soil experts
- Collaborate to leverage funds
- Seek creative funding solutions (grants, capital funds, state revolving loan fund- green project reserve)

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EXISTING



PROPOSED