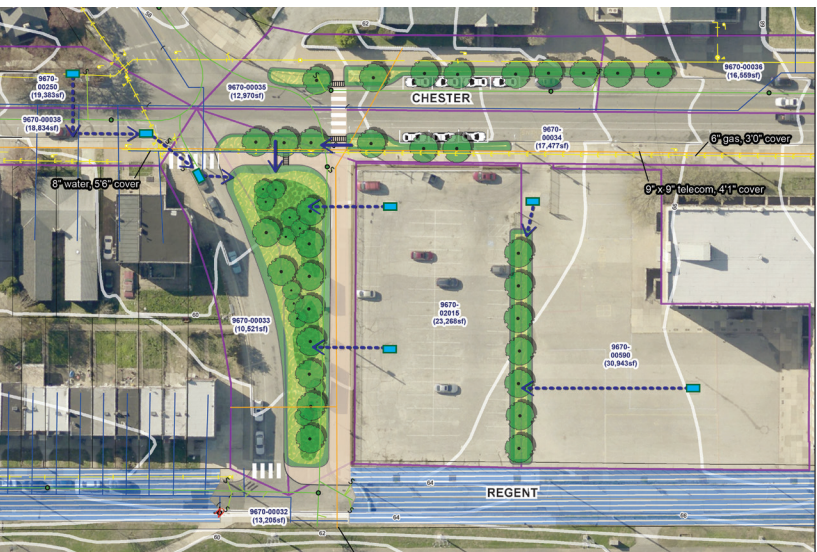
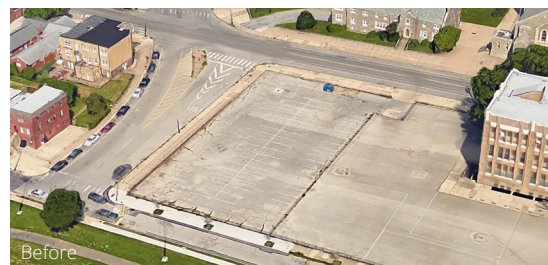


Green Infrastructure



- Proposed Trees
- Proposed Depaving and Groundcover
- Proposed Shrubs
- Proposed Sidewalk
- Trench Drain
- Crosswalk
- Pipe Flow Direction / Overflow
- Flow Direction
- Green Inlet
- Fire Hydrant
- Inlets Lifecycle Status**
- S Active
- S Proposed
-) Removed
- Gravity Sewer Main
- Stormwater Pipes
- Water Mains and Laterals
- Electric Lines
- Gas Lines
- Telecom Lines
- Drainage Area Feasibility**
- Proposed Drainage Area
- Constructed Projects



West Mill Creek Playground - Stormwater Management

Philadelphia, Pennsylvania | As part of a multi-site contract with the Philadelphia Water Department, Viridian Landscape Studio identified opportunities for green stormwater infrastructure in Southwest Philadelphia. One site that yielded excellent opportunities was Catharine School and the

surrounding streetscape. Stormwater management interventions include tree-lined sidewalk bump-outs, rain gardens/vegetated swales and pavement reduction. Interventions were partnered with health and safety improvements like crosswalks and shaded play spaces to create additional community benefit.



- Existing Trees
- Proposed Trees
- Proposed Swale
- Proposed Depaving and lawn
- Proposed Sidewalk
- Swale Crossing Sidewalk
- 20' x 20' Tent shown for spacing
- Historic Stream
- Waste Water Inlets
- Gravity Sewer Mains
- Water Laterals
- Water Mains
- Gas Lines
- Electrical/Tephone
- Bell Tel Co.
- City Conduit
- Keystone Tel Co.
- Phila Elec Co.



Paschall AOA

Philadelphia, Pennsylvania | The Mill Creek Basketball Park will serve not only the neighborhood's desire for a great space to play ball, but also as a stormwater management system. The sections of the park not used for play will be depaved.

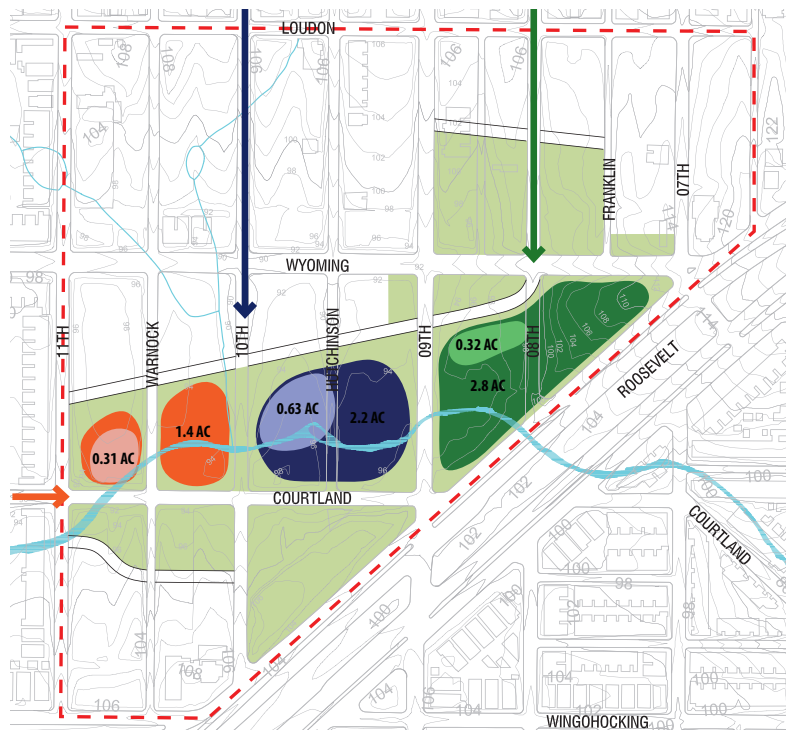
Stormwater captured from city streets will be directed through swales planted for pollutant reduction and ultimately infiltrated through the porous pavement basketball court and into the subsurface storage facility below.

Green Infrastructure



Mill Creek - Site Analysis

Working with the Philadelphia Water Department, Viridian reviewed this school yard to find green infrastructure opportunities that would benefit combined sewer overflow re-education and provide education opportunities interwoven on this city campus. Interventions provide stormwater overflow reduction, water quality improvements, pavement shading and habitat. Concepts address short- and long-term concerns.



Logan Triangle - Study/Investigation

This large scale neighborhood stormwater management system envisions changing an abandoned and ecologically compromised section of city street into a neighborhood asset. The new constructed wetland park will reduce combined sewer overflow, enhance water quality, provide habitat and ultimately be transformed into a new park complete with walking trails. The park will add much needed open space within a ten minute walk of hundreds of Philadelphia citizens.