

Philadelphia Water Department MS4 Feasibility Study

Pennypack

SCORE: 1

MS4 ID
P-082-01

Targeted Area
Enfield Ave Stormwater
Treatment Wetland

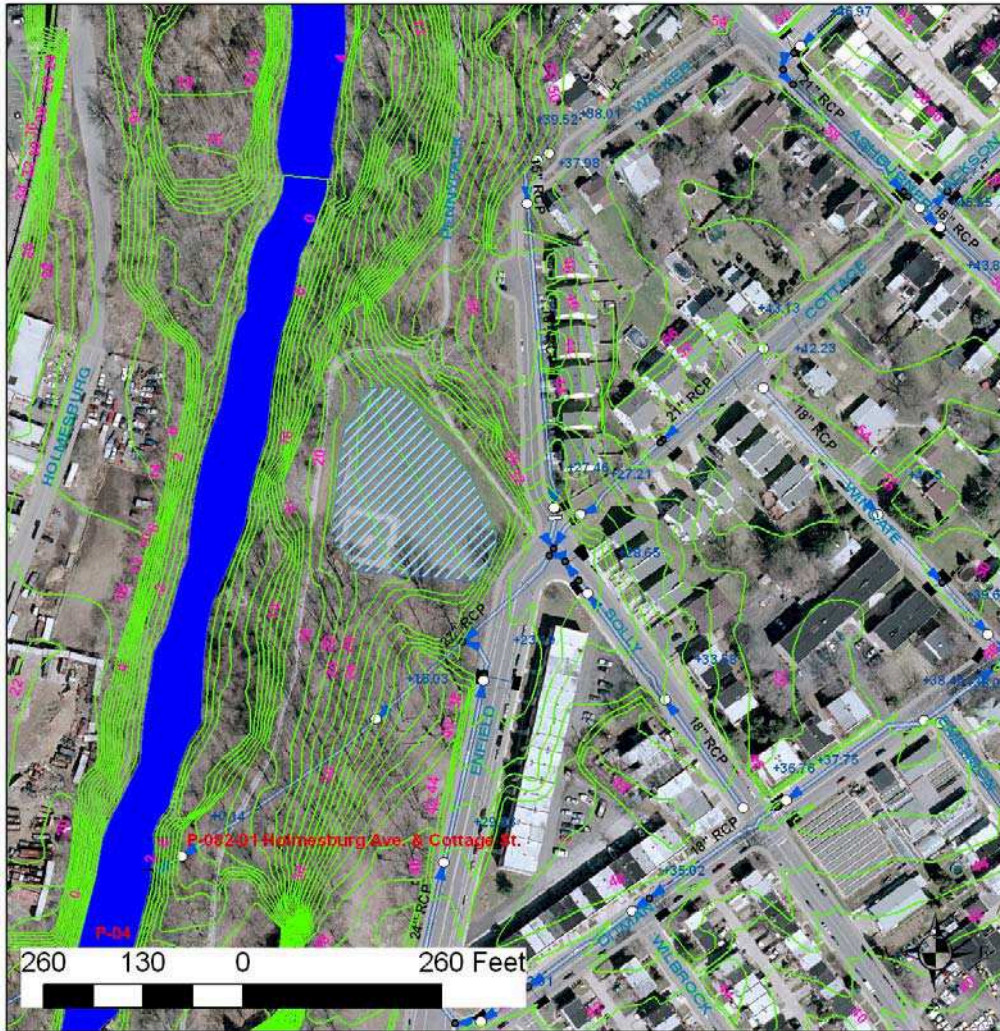
**Targeted Area Size
(Acres)**
0.89

**Watershed Area
(Acres)**
18.61

County
Philadelphia

Receiving Waterway
Pennypack Creek

Landuse
Recreational



Legend

-  P-082-01 Wetland
-  Stormwater Gravity Main



Property Ownership: Is the targeted area located on public land? **Yes**

The site is an old baseball field which is park of the Pennypack Park. It is owned by the City of Philadelphia and managed by the Fairmount Park Commission. As this project concept is moved forward, FPC would need to be consulted as to whether they would be willing to sacrifice the baseball field to allow this land to be used for stormwater management.

Hydraulics: Can PWD Infrastructure be hydraulically connected to the potential project location or can the site be accessed by the streams floodflow? **Yes**

This site perfectly lends itself to diversion of MS4 infrastructure from its present to P-082-01 to the targeted treatment area. The invert of the stormwater conduit at the is roughly 27', while the existing grade of the ball field ranges from 30' down to 22' as it gets closer to the Pennypack Creek. Re-direction of 27" RCP that collect stormwater from the Enfield and Solly Avenue sewers could easily be daylighted in the Right Field area of the baseball field.

Earthwork: Could the site be moderately graded to facilitate stormwater management or wetland enhancement / creation? **Yes**

Currently, the site is rather flat with approximately a 3% slope from the 28' contour moving SW to the 22' contour. Assuming that the Enfield Ave stormsewer would need to outfall at around the 26' elevation, cut and fill could be balanced, while moderately grading the area to a configuration that would facilitate a wetland/stormwater infiltration basin to service the P-082-01 watershed.

Accessibility: Could the site be accessed with a moderate level of effort? **Yes**

The project location is accessible from the intersection of Solly and Enfield. In addition, the 1 acre site is large enough to allow for the baseball field to act as a staging area for all construction related activity without disturbing the surrounding neighborhood to too great of an extent.

Clearing and Grubbing: Could the project be constructed without a prohibitive amount of mature forest clearing? **Yes**

Absolutely no removal of mature forest or shrubs would need to be done. The site is currently a mowed grass baseball field.