



Wrightsville's Green Infrastructure Plan

Grantee: Wrightsville Borough

Narrative Description of Project

Project location & background

Riverfront Park is located along the Susquehanna River and receives stormwater from the urbanized areas of Wrightsville Borough. Stormwater is collected by the Borough's MS-4 and is discharged directly to the park via several outfalls. Prior to construction of these BMPS, runoff emptied untreated to the Susquehanna River and eventually the Chesapeake Bay.

Project accomplishments and variations from the original plan

The project resulted in the following accomplishments:

1. Design of stormwater BMPs (Basin 1A/1B)
2. Securing environmental permits from the PA DEP and PennDOT for this work
3. Construction of stormwater BMP (Basin 1A/1B)

The design is estimated to result in the reduction of pollutants:

- Nitrogen – 74 lbs annually
- Phosphorous – 3 lbs annually
- Sediment – 4,393 lbs annually

Successes and reasons for success

The project was successful in providing a final design, environmental permitting, construction documents, public bidding and construction of Basin 1A/1B. The process resulted in the successful implementation of these stormwater BMPs.

The reasons for success can be attributed to extensive planning prior to implementation, combined with the willingness and flexibility to adapt the design to conserve recreational area as well as improve pollutant reduction.

Problems encountered and solutions provided

One problem that was encountered was that the project took longer than anticipated. In addition to the challenges posed by the COVID-19 pandemic, the revisions to the BMP design resulted in the construction schedule extending into the winter of 2020/2021. This caused a seasonal shutdown with the work restarting and the majority of the work being completed during 2021. Construction delays again resulted in the schedule extending into the winter of 2021/2022 with the work being completed in the summer of 2022.

Disseminating results

The Borough has been providing information on this project at public Council meetings, on the Borough website, and in various publications such as the annual budget. These informative methods are planned to continue. Also, the project included the installation of several educational signs throughout the project which will inform the public of this work for the foreseeable future.

Actual spending vs. budget

The actual expenditures associated with the green infrastructure portions of this project came in under the original budget request. The original Growing Greener grant award was for \$356,350.00 and the final eligible expenditures were \$349,112.18.