Swan Lake Drive Development, Delaware County

Swan Lake Drive
Concord, PA 19061
Delaware County

Background

The Swan Lake Drive Development is located within the Greens Creek Watershed, which drains to the West Branch of Chester Creek. This project consists of the development of eight single-family dwellings on approximately 12 acres near the intersection of Mattson and Concord Roads in Delaware County. Stormwater on the site is managed with on-lot vegetated infiltration beds which reduce runoff volume and help protect water quality within an existing spring fed pond and associated wetlands.

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Timeframe

Year of Implementation: 2016-2017

Strategies and Interventions

Vegetated infiltration beds were constructed to manage the rooftop runoff from each individual lot as well as runoff generated by driveway and road areas from a large portion of the development. The remaining runoff on site was conveyed to the existing pond. Shallow subsurface infiltration beds (no greater than 2.5 feet deep) were installed on all eight lots and rooftop runoff from each home is conveyed to the onsite infiltration bed. A larger infiltration bed was constructed to manage the runoff from driveways and Swan Lake Drive. Stormwater overflow and some overland flow are directed into

Figure: Vegetated Infiltration bed
the existing pond at the bottom of the site. The infiltration systems on the site provide capacity to store/infiltrate approximately 11,000 cubic feet of runoff over a 24-hour period.

**Outcomes of the Project:**

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**Additional information**

Source: