

Lehigh Valley Greenways Conservation Landscape SUCCESS STORY

By: Bushkill Township
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Ballas Preserve Stormwater Restoration (Awarded 2020)

SUMMARY

Bushkill Township installed 3 French mattresses, corrugated stormwater pipe, and a swale to regulate stormwater runoff and prevent the erosion of the 1-mile long trail around the wildflower meadow at Ballas Preserve. After installation of the stormwater best management practices (BMPs), a fresh trail surface of screenings was added to improve all of the washout areas. Once the trail work was complete, the washouts in the parking lot were repaired by spreading recycled, screened blacktop millings as a new surface that will be stronger than the previously used screenings. This will result in less washouts in the future.



CHALLENGE

Bushkill Township's Ballas Preserve had recently suffered damage to the trail and the parking area due to the large rain events in recent years. There were large washouts in the sloped areas of the trail and the parking area had large washouts along the sides. Another concern on the trail was the areas of puddling. After rain events, there would be puddles so large on the trail that it was difficult to walk without getting wet.

FUNDING

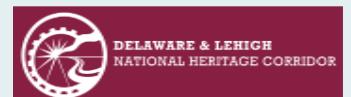
Grant Award:
\$5,000.00

Match:
\$13,949.74

Total Project Cost:
\$18,949.74

PARTNERSHIP IS KEY

- Bushkill Township Environmental Advisory Council (EAC)
- Bushkill Township Public Works Department



SOLUTION

French mattresses, corrugated stormwater pipe, and swales were installed to allow stormwater to flow under the trail and into the meadow where it will infiltrate into the ground. Screened blacktop millings were added to the parking area to address the washouts. The workers added a new pitch to the parking area for stormwater to runoff into the grass and the previously installed rain garden without causing damage to the parking area.

RESULTS

The in-trail structures were installed in March of 2021 and the parking area was repaired in August of 2021. After several large rainstorms, all of the structures seem to be functioning properly. Immediately after the parking area was repaired there was a large rainstorm and it handled the stormwater with no issues.

Contact



www.LVgreenways.org

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