



STORMWATER ACTION CENTER FACT SHEET

Name of Project:

The Dell at the University of Virginia

Location:

Charlottesville, Virginia

County:

Albemarle County

Watershed:

Rivanna Watershed

Website:

<https://www.landscapeperformance.org/case-study-briefs/the-dell-at-the-university-of-virginia>

THE DELL AT THE UNIVERSITY OF VIRGINIA – CHARLOTTESVILLE, VIRGINIA

OVERVIEW:

The Dell is an 11-acre landscape that resurrects a buried stream located at the heart of the University of Virginia, transforming derelict and unused land into a state-of-the-art stormwater pond and forebay system. It is one of three major regional facilities installed across the campus under the guidance of the Meadow Creek Stormwater Master Plan.

BENEFITS:

- Manages runoff from up to a 2-year storm event, with excess runoff diverted through the original underground pipe to a stormwater treatment facility located 0.75 miles downstream
- Reduces and delays peak stormwater discharge, as evidenced by monitoring data. This results in less flash flooding, less bank erosion, and more opportunities for sediment to settle.
- Reduces sediment and nutrient loadings downstream, reducing total suspended solids by 30-92%, phosphate by 23-100%, and nitrate by -50-89% according to water sample data.
- Provides habitat and sources of food for wildlife as evidenced by the dramatic increase in wildlife sightings that have occurred since the completion of the project.

FUNDING SOURCES:

- University of Virginia.



-  - Water Storage
-  - Habitat Restoration
-  - Flood Mitigation
-  - New/Improved Drainage Infrastructure

