





Towson University contracted Ecotone to complete rehabilitation construction and retrofitting for seven (7) stormwater conveyance and best management practice (BMP) facilities located throughout the Towson University campus.

Towson University Stormwater Facility Repairs
Project Overview 

 Site Location:
Baltimore County, MD

 Client / Owner:
Towson University

 Estimated Completion:
July 2020

 Build Cost:
\$438,426.88

Ecotone retrofitted two bioretention facilities, one associated with the Johnny Unitas Stadium and the other located next to the Townsontown Parking Garage. These retrofits included complete removal of sediment and replacement of deteriorated drainage components, installation of gabion stone mattresses to increase conveyance of stormwater for better bioretention, and installation of new bioretention soil, sand, and gravel layers to ensure optimal performance of the facilities now and in the future. As the construction contractor, Ecotone coordinated closely with both the design team and the University construction and landscape specialists to deliver a final product that not only effectively treats stormwater, but also meets the landscaping and aesthetic standards of the campus.

In addition to the bioretention facility retrofits, Ecotone replaced damaged and outdated stormwater conveyance infrastructure with new systems that meet modern standards. This included the complete replacement of an endwall and heavily damaged surface concrete conveyance channel with subsurface piping and manholes for improved stormwater conveyance.

Project Highlights:

- Installed over 2000 plants within two retrofitted bioretention facilities
- Completed retrofitting and rehabilitation construction at seven sites throughout Towson University’s campus



Johnny Unitas Stadium bioretention facility post-construction. Ecotone staff finalized the retrofit with installation of grasses and perennials.



Townsontown Parking Garage bioretention facility post-construction. Ecotone crews addressed erosion issues, removed sediment, and installed plantings.



Repaired stormwater outfall and restored channel adjacent to the Townsontown Parking Garage.