

## Eda U. Gerstacker Grove



### Project Description

The North Campus central open lawn area serves as the outdoor civic space for the North Campus community and visitors. Covering approximately four acres, the Eda U. Gerstacker Grove project will greatly improve the quality of this outdoor space, creating more vitality and activity within the North Campus core, and providing more opportunities for interaction. Some of the new program improvements include creating a new central plaza that can serve as an informal amphitheater, new walkways, integrated seating throughout, additional trees, improved lighting, and electric and water infrastructure to support outdoor activities, events, and displays.

### Energy Efficiency Measures

- Use of LED lighting
- Luminaires have been designed to achieve required light levels and eliminate light trespass

### Other Sustainability Features

- Increase variety of native trees and plants to improve biodiversity and reduce irrigation requirements
- Drought tolerant no-mow grass species on the landforms
- Infiltration gardens designed to reduce surface runoff by capturing and holding stormwater so that it infiltrates into the soil
- Swirl concentrator chambers designed to treat runoff and ensure the removal of 80 % Total Suspended Solids
- Site storm water that does not infiltrate into the gardens, flows to an underground detention and infiltration open bottom chamber system with an outlet control structure
- Total site infiltrating runoff volume exceeds the U-M NPDES post construction storm water management requirements
- The scoring pattern for the concrete paving designed to minimize cracking and ensure durability and longevity of the surface
- Transportation of earthen materials to be reduced by balancing cut and fill quantities of site grading whenever possible
- Reuse of excavated material to fill proposed landforms
- Pre-cast concrete benches and curbs contain recycled glass
- Regional materials to be used whenever possible