

**KEY TO STRUCTURES**

- 1 North Kohrman
- 2 Science
- 3 Wood Hall
- 4 Chemistry
- 5 Computer Center
- 6 Waldo Library
- 7 Moore Hall
- 8 Friedmann Hall
- 9 Brown Hall
- 10 Shaw Theater
- 11 Miller Auditorium
- 12 Parking Structure
- 13 South Kohrman
- 14 Richmond Center for the Visual Arts
- 15 Dalton Center
- 16 Sprau Tower

**WMU Performance Standards**

- Campus historically designed for 2-year storm event.
- New guidelines designed for 25-year storm event.

**D Detention & Infiltration Basins**

- Dry ponds, open to surface
- Existing storm sewer interrupted to reduce downstream flooding issues and to encourage infiltration
- Capacity to store water and allow infiltration
- Designed with overflow release to campus storm water system
- Seasonally wet
- Cobblestone bottom for visual interest during dry periods
- Sand below to aid infiltration

**S Subsurface Storage/Infiltration**

- Chambers below ground to store run-off immediately
- Perforations in chambers to allow gradual infiltration to subsurface groundwater system

**L Managed Turf**

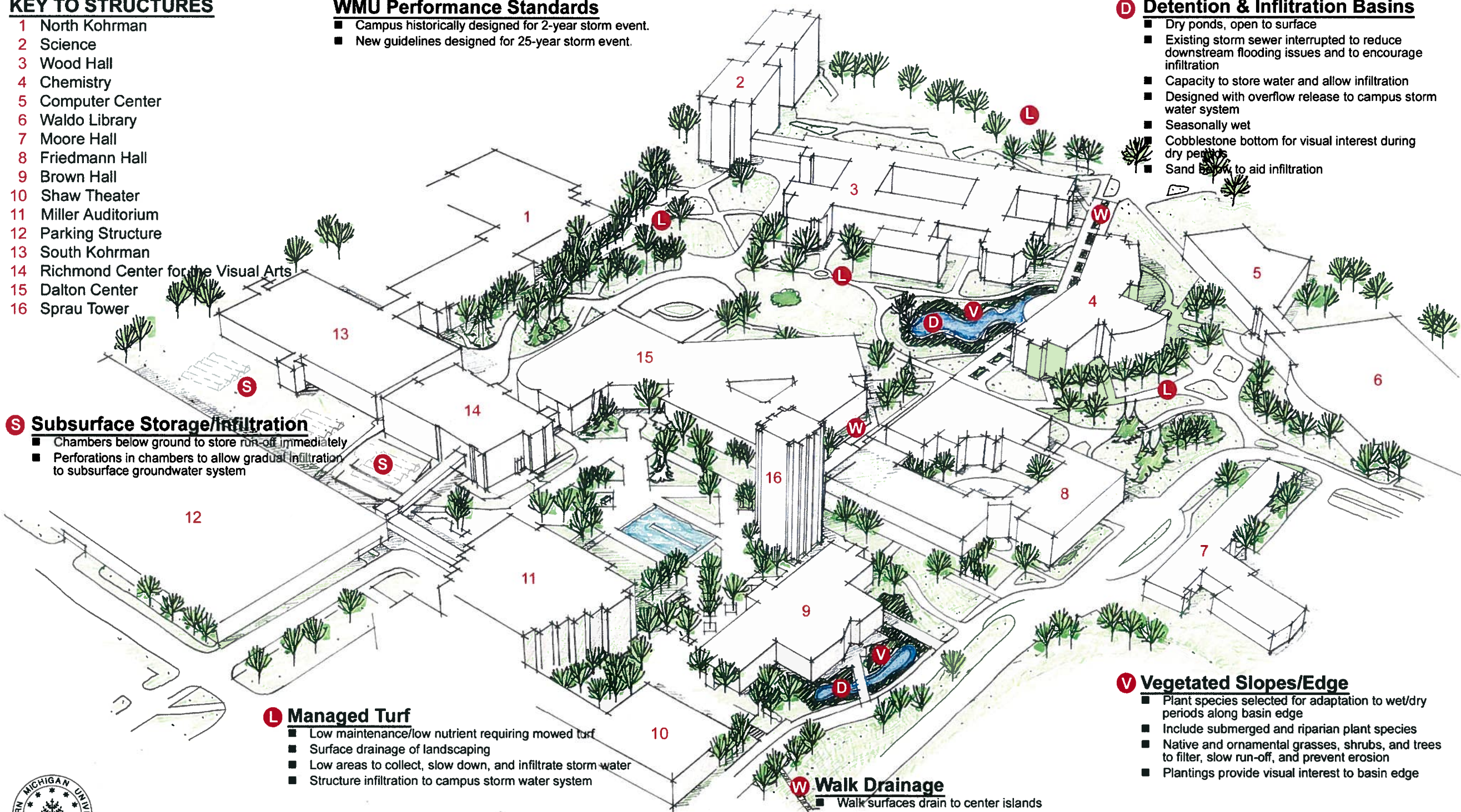
- Low maintenance/low nutrient requiring mowed turf
- Surface drainage of landscaping
- Low areas to collect, slow down, and infiltrate storm water
- Structure infiltration to campus storm water system

**V Vegetated Slopes/Edge**

- Plant species selected for adaptation to wet/dry periods along basin edge
- Include submerged and riparian plant species
- Native and ornamental grasses, shrubs, and trees to filter, slow run-off, and prevent erosion
- Plantings provide visual interest to basin edge

**W Walk Drainage**

- Walk surfaces drain to center islands
- Capacity to temporarily hold water in landscaped center islands and allow for infiltration
- Surface overflow drains to detention/infiltration basin
- Trench drains across walks where steeply sloped



**Storm Water Management Concept**  
 Western Michigan University  
 Academic Core Area  
 Kalamazoo, Michigan



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