

1 First Flush Treatment - Adjoining Sites

- Surface drainage of parking & landscaping
- Low maintenance & native grasses
- Vegetated, gentle slopes & swales

2 Detention & Infiltration Basins

- Capacity to temporarily hold water
- Designed with overflow basins & infiltration pipes
- Controlled release to central system

3 Roadway Drainage

- Inside lane surface drains to vegetated slopes
- Outside lane picked up along edge underground drains to center underground

4 Managed Turf

- Low maintenance/low nutrient requiring mowed turf along roadways
- Native trees

5 Vegetated Slopes & Swales

- Deep rooted grasses & wildflowers to filter slow runoff & prevent erosion
- Selective planting of native & wildlife trees, shrubs & ground covering plants

6 Detention/Infiltration Basins

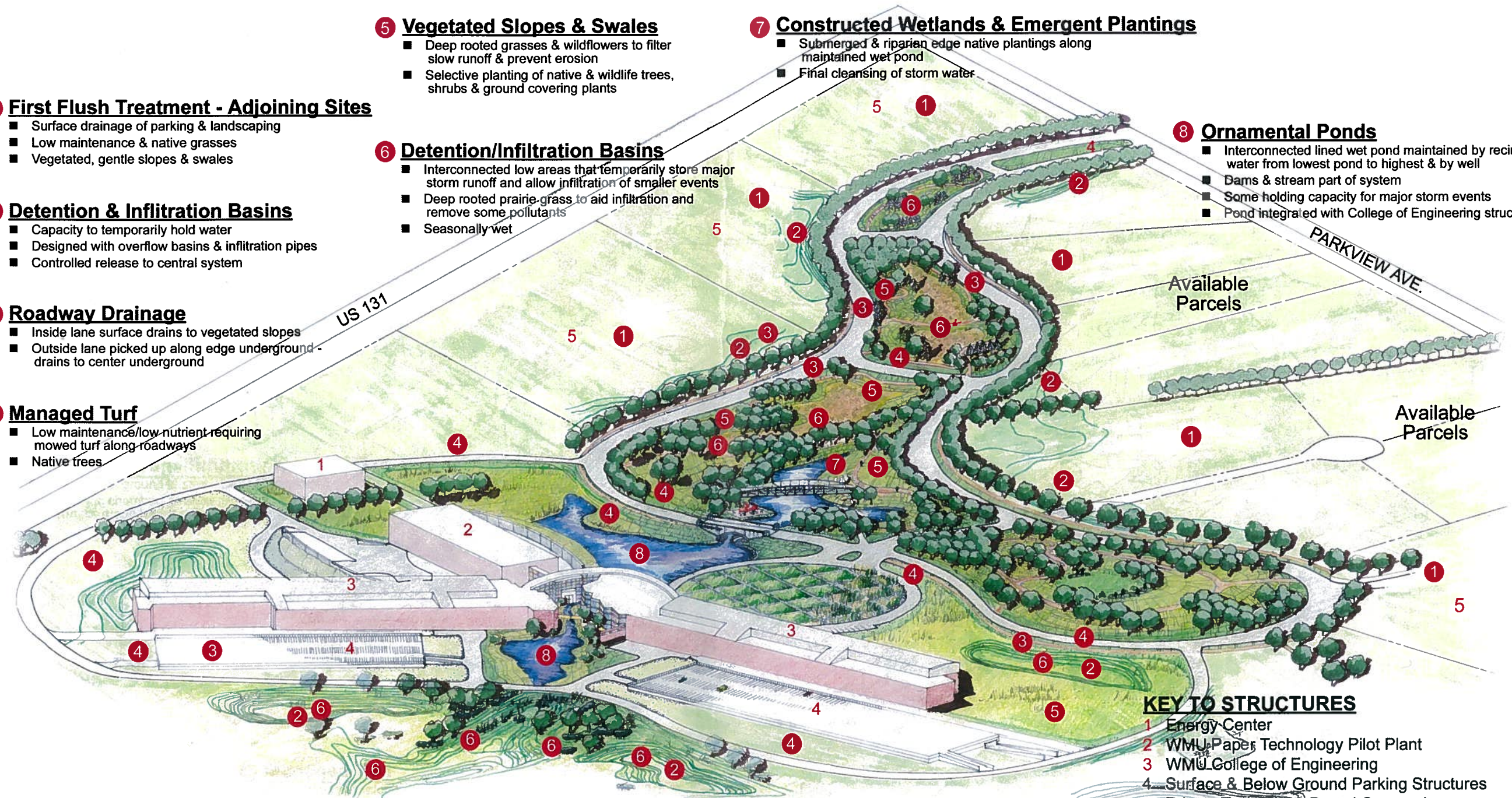
- Interconnected low areas that temporarily store major storm runoff and allow infiltration of smaller events
- Deep rooted prairie grass to aid infiltration and remove some pollutants
- Seasonally wet

7 Constructed Wetlands & Emergent Plantings

- Submerged & riparian edge native plantings along maintained wet pond
- Final cleansing of storm water

8 Ornamental Ponds

- Interconnected lined wet pond maintained by recirculating water from lowest pond to highest & by well
- Dams & stream part of system
- Some holding capacity for major storm events
- Pond integrated with College of Engineering structure



KEY TO STRUCTURES

- 1 Energy Center
- 2 WMU Paper Technology Pilot Plant
- 3 WMU College of Engineering
- 4 Surface & Below Ground Parking Structures
- 5 Private Technology Based Companies (Completed or Under Construction)



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