

# Sustainable Storm Water Management Practices

An Overview

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# LID Objectives

- Mimic pre-settlement hydrology
- Reduce runoff
- Increase infiltration, filtration, & evapotranspiration
- Reduce erosion, transport of sediment and nutrients
- Reduce flooding



# Constructed Wetlands



Ray & Joan Kroc  
Community Center

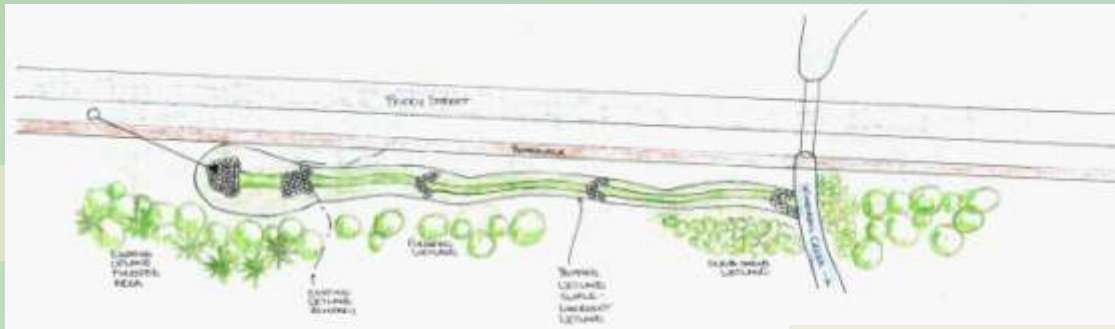


# Rain Gardens

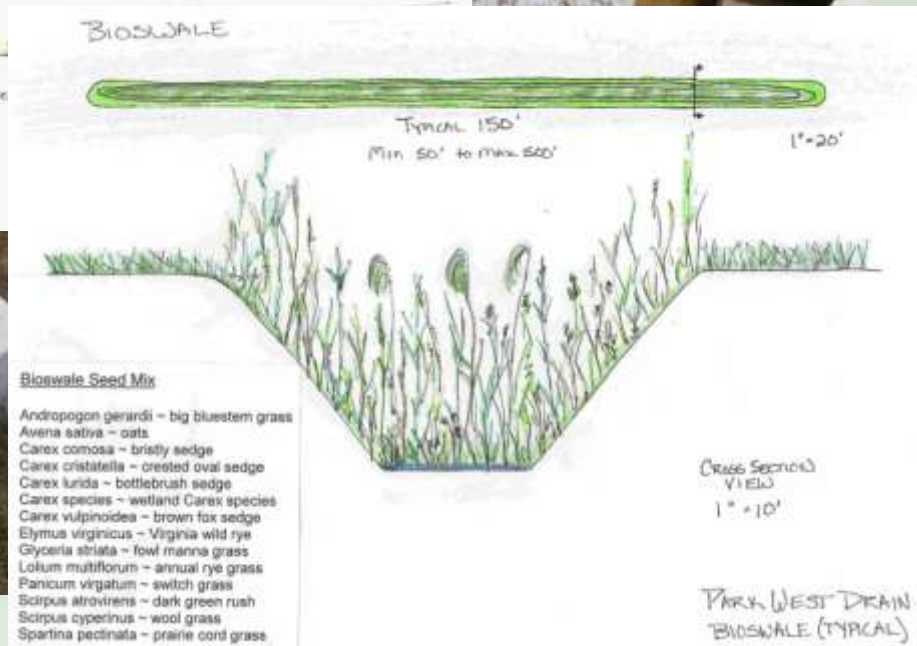
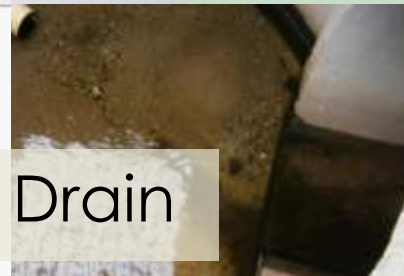
## Albion College Science Complex



# Bioretention/Bioswales



Park West Drain



# Subsurface Retention



Mid Towne Village

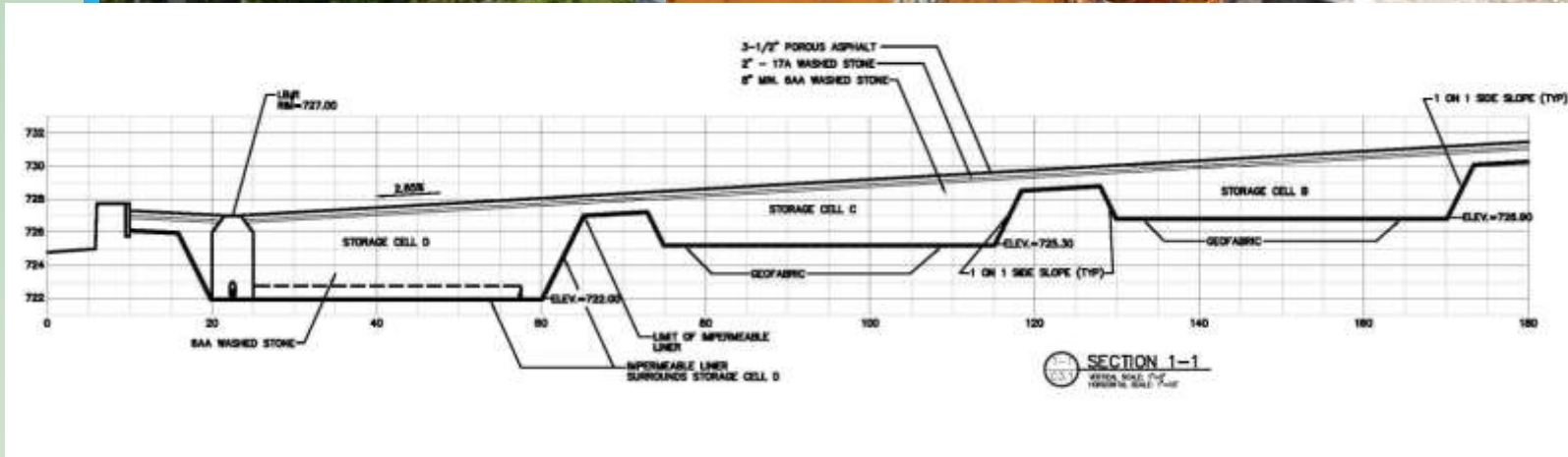


# Rainwater Cisterns

St. Mary's Hauenstein  
Neuroscience Center



# Porous Pavement



GRCC – Lyon Street Parking Lot



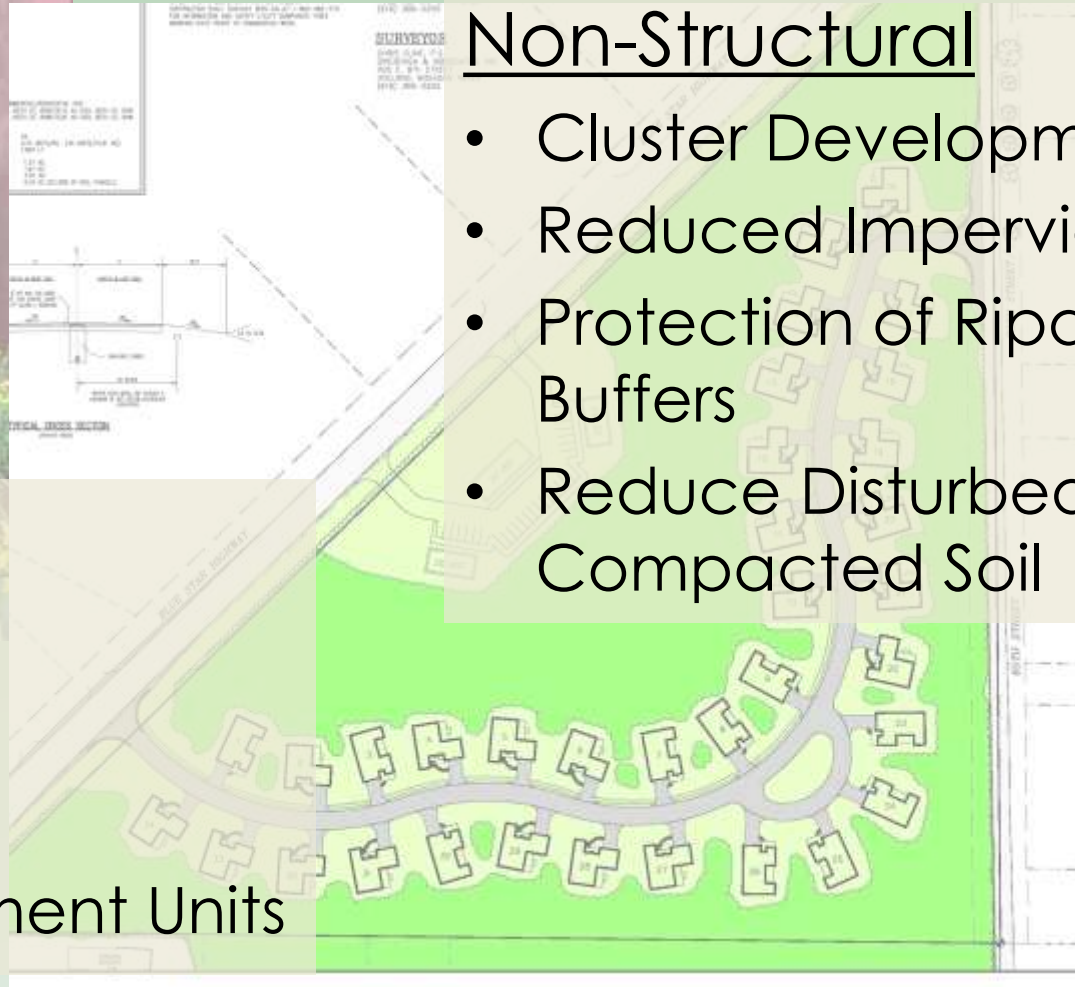


# Other LID BMP's



## Structural

- Green Roofs
- Dry Wells
- Rain Barrels
- Water Treatment Units



## Non-Structural

- Cluster Development
- Reduced Impervious
- Protection of Riparian Buffers
- Reduce Disturbed/ Compacted Soil



# Low Impact Development



## Benefits

- Environmental Health
- Public Health
- Aesthetics
- Economics

## Challenges

- Public Education
- Maintenance
- Economics

