



Walking Path

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Culvert

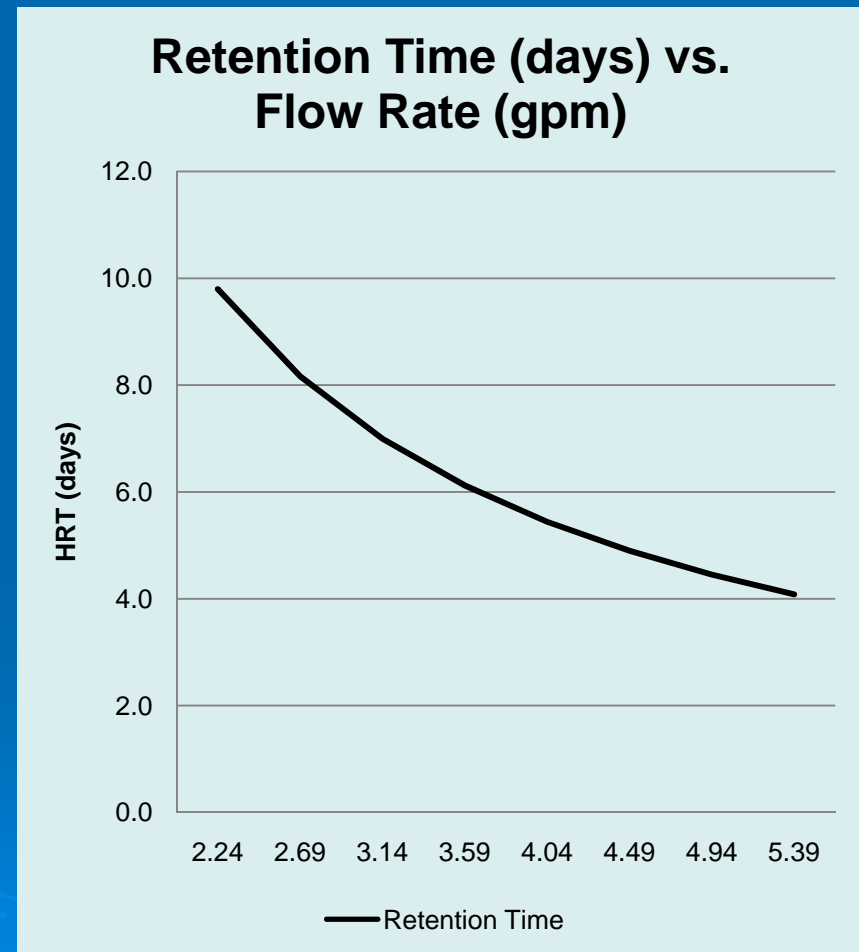
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# Design Parameters

## Hydraulic Retention Time (HRT)

➤ target is at least 4 days to achieve sulfate reduction

- Literature
- Adjusted Flow
- Adjusted Volume



# Major Design Components

- Creek flow ~12.6 gpm
  - Divert 5.4 gpm water from creek to wetland area
  - Remaining creek flow pass by
  - Stormwater not restricted by below ground wetland
- Two wetland cells
- Inlet channel to distribute water evenly
- Lined wetland cells
- Perforated pipes as underdrain
- Stand pipe to control water level in wetland
- Outlet channel to return treated water to creek