

Factors Constraining BMP Use

Site-specific conditions to be considered in the use of any best management practice:

Physical

- **Slope gradient**
- **Slope stability**
- **Safety**
- **Access**
- **Utility or environmental (tree locations) conflicts**
- **Site configuration (zero lot lines, stormwater generated in different area than space available for BMP)**
- **Influent quality or quantity**
- **Size of site**
- **Groundwater level**
- **Soil permeability**

Political

- **Acceptability, aesthetics**
- **High cost relative to property value**
- **Funding availability**
- **Legal ownership and assignment of O&M if required**
- **Compatibility with site uses**
- **Life cycle costs**
- **Public understanding**

Applicability

- **Removes expected pollutants**
- **Large enough to handle tributary area flows**
- **Provides quality/quantity needed by downstream waterways**

Threats/risks

- **Potential to make the problem worse (i.e. re-entraining nutrients in period of concern)**
- **Potential to be found ineffective after being widely applied**
- **High cost if effectiveness may be less than expected**
- **Causes property damage or site instability**
- **Site contamination**
- **Attractive nuisance (child safety, fish and wildlife)**
- **Vector propagation (mosquitoes)**