# Stormwater Planter Feasibility Checklist

<table>
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<tr>
<th>Stormwater BMP Category</th>
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<tr>
<td><strong>Receiving</strong> Low Impact Development Practice</td>
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## SWM Credits

- **SWM Criteria #1**: Runoff Reduction: subtract 50% of storage volume from $RR_v$
- **SWM Criteria #2**: Water Quality Protection: subtract 50% of storage volume from $RR_v$
- **SWM Criteria #3**: Aquatic Resource Protection: Proportionally adjust $CN$ to calculate $ARP_V$
- **SWM Criteria #4**: Overbank Flood Protection: Proportionally adjust $CN$ to calculate $Q_{P25}$
- **SWM Criteria #5**: Extreme Flood Protection: Proportionally adjust $CN$ to calculate $Q_{P100}$

## Site Feasibility

### Contributing Drainage Area

- ≤ 2,500 ft² ( > 2,500 ft² – use Bioretention)
- ≤ 150’ length of flow path in pervious contributing drainage area ( > 150’ – use Bioretention)
- ≤ 75’ length of flow path in impervious contributing drainage area ( > 75’ – use Bioretention)

### Surface Area of Planter

- 5% of the size of the Contributing Drainage Area (CDA)

### Site Topography

- ≤ 6% (average) slopes in the CDA

### Depth of BMP

- ≥ 2.5’ total depth: surface ponding (6”), & planting bed (24”)
- ≥ 2’ total depth: surface ponding (6”), planting bed (18” w/ shallow WT)

### Water Table

- ≥ 2’ separation (bottom of practice to SHWT)
- > 12” separation (bottom of practice to SHWT) w/ shallow WT (reduce planting bed depth to 18”)

### Soils

- Planter (soil media and underdrain) designed to drain within 24 hours

## Site Applicability

- Rural Use: Not applicable for use in rural areas
- Suburban Use: Suitable for use on most suburban commercial development
- Urban Use: Suitable for use on urban commercial/business/residential development

### Construction Costs:

- Low
- Medium
- High

### Maintenance:

- Low
- Medium
- High