Decentralized Stormwater Structural Control Measure (SCM)
Description: System is small to moderate in size and accepts runoff from a single land use drainage area less than 10.0 acres.

<table>
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<th>Structural Control Measure Type</th>
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<td><strong>Biofiltration</strong>&lt;br&gt;<em>(Examples: Lined rain garden.)</em></td>
<td>• Vegetated SCM that filters stormwater through a specialized soil media and discharges via an underdrain.&lt;br&gt;• Little to no overflow of captured runoff volume.&lt;br&gt;• Outlet design requires surface ponding prior to surface outflow typically with a maximum ponding depth of 6 inches.&lt;br&gt;• Site designs use soil media ideally 18-24 inches in depth to enhance filtration processes to retain pollutants.&lt;br&gt;• <strong>Treatment Process:</strong> Bio-Chemical Cycling, Particle Capture&lt;br&gt;• <strong>Vegetation:</strong> Yes&lt;br&gt;• <strong>Location:</strong> Above Ground&lt;br&gt;• <strong>Type:</strong> Decentralized</td>
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<td><strong>Bioretention</strong>&lt;br&gt;<em>(Examples: Rain garden with infiltration)</em></td>
<td>• Vegetated retention structure where the base of the SCM is not lined and allows for infiltration to unsaturated zone.&lt;br&gt;• Designs may or may not include an underdrain to discharge some fraction of treated water.&lt;br&gt;• Design will include either passive surface outlet or piped overflow to allow retention and ponding.&lt;br&gt;• Design will include soil media ideally 18-24 inches in depth to enhance filtration processes to retain pollutants.&lt;br&gt;• May include aggregate subsurface layer to enhance storage or infiltration.&lt;br&gt;• Vegetation types must be able to tolerate stormwater ponding and drought conditions.&lt;br&gt;• <strong>Treatment Process:</strong> Bio-Chemical Cycling, Particle Capture, infiltration&lt;br&gt;• <strong>Vegetation:</strong> Yes&lt;br&gt;• <strong>Location:</strong> Above Ground&lt;br&gt;• <strong>Type:</strong> Decentralized</td>
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### Decentralized Stormwater Structural Control Measure (SCM)

**Description:** System is small to moderate in size and accepts runoff from a single land use drainage area less than 10.0 acres.

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<td><strong>Bioswale</strong>&lt;br&gt;(Examples: Vegetated swale, Grass Swale, Grass Filter Strips, Vegetated Buffer Strips, Bioslopes)</td>
<td>- Flow through areas with dense vegetation coverage (&gt;80%) that allows for inundation of vegetated areas during storm runoff.&lt;br&gt;- Design includes gentle sloped flow paths and dense vegetation to promote stormwater surface filtration and velocity reduction by vegetation (settling).&lt;br&gt;- Infiltration performance and runoff volume reduction is variable.&lt;br&gt;- Size and application of bioswales can vary.&lt;br&gt;- <strong>Treatment Process:</strong> Bio-Chemical Cycling, Infiltration&lt;br&gt;- <strong>Vegetation:</strong> Yes&lt;br&gt;- <strong>Location:</strong> Above Ground&lt;br&gt;- <strong>Type:</strong> Decentralized</td>
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<td><strong>Filtration Device</strong>&lt;br&gt;(Examples: Catch basin inserts, Drain inserts/inlet filters, FloGard Filter, Stormexx, Ultra-Drain Guard.)</td>
<td>- A flow-through structure designed to capture and retain sediment, leaf litter, trash, and coarse particles.&lt;br&gt;- Sediment capture results in vertical accumulation of material at base of reservoir with regular material cleanout required.&lt;br&gt;- Minimal to no stormwater volume reduction occurs.&lt;br&gt;- Water quality improvement due to pollutant particle capture within SCM.&lt;br&gt;- Typically accepts runoff from road or a single land use parking lot&lt;br&gt;- <strong>Treatment Process:</strong> Particle Capture and Media Filtration&lt;br&gt;- <strong>Vegetation:</strong> No&lt;br&gt;- <strong>Location:</strong> Below grade&lt;br&gt;- <strong>Type:</strong> Decentralized</td>
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<td><strong>Infiltration Feature</strong>&lt;br&gt;(Examples: Infiltration Trench, Dry Well, Infiltration Trench, French Drain, Stormtech Chambers)</td>
<td>- Structure designed to retain stormwater and infiltrate into unsaturated zone.&lt;br&gt;- Land surface modified to sustain maximum infiltration rates. (Native soil may be replaced with highly permeable material such as coarse drain rock.)&lt;br&gt;- Vegetation is absent.&lt;br&gt;- <strong>Treatment Process:</strong> Infiltration&lt;br&gt;- <strong>Vegetation:</strong> No&lt;br&gt;- <strong>Location:</strong> Above Ground or Below Ground&lt;br&gt;- <strong>Type:</strong> Decentralized</td>
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## Decentralized Stormwater Structural Control Measures

### Decentralized Stormwater Structural Control Measure (SCM)

**Description:** System is small to moderate in size and accepts runoff from a single land use **drainage area less than 10.0 acres.**

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| **Pervious Pavement** (Examples: Porous Asphalt, Pervious Concrete, Porous Aggregate, Pervious Pavers, Permeable Pavers) | - Durable, sustainable materials that create a pervious surface that allows stormwater to infiltrate into the underlying soil.  
- SCM can include an underlying reservoir to increase retention capacity and infiltration rates.  
- Constructed to minimize the volume of stormwater generated and routed downgradient or offsite.  
- Typically used for parking lots, sidewalks, driveways or other impervious surfaces  
- **Treatment Process:** Infiltration  
- **Vegetation:** No  
- **Location:** Above Ground  
- **Type:** Decentralized |

| **Settling Basin** (Examples: Settling Pond, Sediment Basin, Decant Pond, Concrete Forebay) | - Structure designed to detain stormwater volumes and settle particulate pollutants prior to outflow.  
- Pollutant load reductions occur; but no volume reduction due to impermeable base.  
- Often placed at the inlet of another structural SCM to pre-treat inflowing stormwater.  
- Large scale settling basin draining a mixed land use area can be classified as a treatment vault  
- **Treatment Process:** Particle Capture  
- **Vegetation:** No  
- **Location:** Above Ground or Below Ground  
- **Type:** Decentralized |

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*Please direct questions and requests for additional information to*

**Planning & Building Stormwater Program Manager:** (805) 781-5602 or [Stormwater.scm@co.slo.ca.us](mailto:Stormwater.scm@co.slo.ca.us)