<table>
<thead>
<tr>
<th>Volume Control Practice</th>
<th>Pretreatment Measures</th>
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| Bioretention Facility   | ● Level spreader must be installed where runoff enters the facility as shallow concentrated flow to distribute the runoff as sheet flow over the entire facility.  
● Vegetated filter strip, grass-lined channel, or sump must be installed upstream of the facility to filter out settleable particle and floatable materials.  
● Where inflow velocities are greater than 3 ft/s, a vegetated filter strip or rock outlet protection must be installed to prevent erosion and distribute flows across the facility.  
● Vegetated portions of the contributing drainage area must be stabilized. |
| Bioswale                | ● Level spreader must be installed where runoff enters the facility as shallow concentrated flow to distribute the runoff as sheet flow over the entire facility.  
● Vegetated portions of the contributing drainage area must be stabilized. |
| Constructed Wetlands    | ● Where inflow velocities are greater than 3 ft/s, rock outlet protection should be provided to prevent erosion and distribute the flows into the facility.  
● Vegetated portions of the contributing drainage area must be stabilized. |
| Drywell                 | ● Filter screens must be installed on all roof drains directed toward the facility.  
● For facilities that include inflow pipes, sump shall be installed at manhole immediately upstream of facility. |
| Green Roof              | ● No Pretreatment measures required. |
| Infiltration Trench     | ● Level spreader must be installed where runoff enters the facility as shallow concentrated flow to distribute the runoff as sheet flow over the entire facility.  
● Vegetated filter strip, grass-lined channel, or sump must be installed upstream of the trench to filter out settleable particle and floatable materials.  
● Where inflow velocities are greater than 3 ft/s, a vegetated filter strip or rock outlet protection must be installed to prevent erosion and distribute flows across the facility.  
● Vegetated portions of the contributing drainage area must be stabilized. |
| Permeable Pavement      | ● Vegetated filter strip, grass-lined channel, or sump must be installed upstream of the facility to filter out settleable particle and floatable materials.  
● Vegetated portions of the contributing drainage area must be stabilized. |
| Storage Below Detention Basin Outlet | ● Where inflow velocities are greater than 3 ft/s, rock outlet protection should be provided to prevent erosion and distribute the flows into the facility.  
● Vegetated portions of the contributing drainage area must be stabilized. |
| Vegetated Filter Strip  | ● Level spreader must be installed where runoff enters the facility as shallow concentrated flow to distribute the runoff as sheet flow over the entire facility.  
● Vegetated portions of the contributing drainage area must be stabilized. |
| Water Reuse System      | ● Filter screens must be installed on all roof drains directed toward the facility.  
● For facilities that include inflow pipes, sump shall be installed at manhole immediately upstream of facility. |

1. A porosity of 0.36 shall be used to calculate volume in CA-1 or or CA-7 gradation, 0.25 for CA-16 (volume above underdrain credited at 50%)  
2. Storage calculated using average-end method between surface elevation and elevation of overflow grate/check dam.  
3. Porosity of 0.25 shall be used to calculate volume in growing media (volume above underdrain at 50%)  
4. Surface storage only if check dams are installed.