
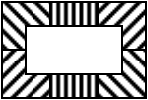


<b>Oak Park Conservancy District Stormwater Best Management Practices (BMPs) Sediment Management Practices (SMPs)</b>		SMP-07																		
<b>Activity: Temporary Sediment/Detention Basin</b>																				
<b>PLANNING CONSIDERATIONS:</b>  <b>Design Life:</b> 1 yr  <b>Acreage Needed:</b> Minimal  <b>Estimated Unit Cost:</b> Avg: \$100 Range: \$50-\$150  <b>Monthly Maintenance:</b> 60% of Installation																				
		<div style="border: 1px solid black; padding: 5px; display: inline-block;"><b>TSB</b></div>																		
	<b>Target Pollutants</b>																			
	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center; width: 33%;">Significant ♦</td> <td style="text-align: center; width: 33%;">Partial ♦</td> <td style="text-align: center; width: 33%;">Low or Unknown ◇</td> </tr> <tr> <td style="text-align: center;">Sediment ♦</td> <td style="text-align: center;">Heavy Metals ◇</td> <td style="text-align: center;">Nutrients ◇</td> </tr> <tr> <td style="text-align: center;">Oil &amp; Grease ◇</td> <td style="text-align: center;">Bacteria &amp; Viruses ◇</td> <td style="text-align: center;">Floatable Materials ◇</td> </tr> <tr> <td colspan="2"></td> <td style="text-align: center;">Oxygen Demanding Substances ◇</td> </tr> <tr> <td colspan="2"></td> <td style="text-align: center;">Toxic Materials ◇</td> </tr> <tr> <td colspan="2"></td> <td style="text-align: center;">Construction Waste ◇</td> </tr> </table>		Significant ♦	Partial ♦	Low or Unknown ◇	Sediment ♦	Heavy Metals ◇	Nutrients ◇	Oil & Grease ◇	Bacteria & Viruses ◇	Floatable Materials ◇			Oxygen Demanding Substances ◇			Toxic Materials ◇			Construction Waste ◇
Significant ♦	Partial ♦	Low or Unknown ◇																		
Sediment ♦	Heavy Metals ◇	Nutrients ◇																		
Oil & Grease ◇	Bacteria & Viruses ◇	Floatable Materials ◇																		
		Oxygen Demanding Substances ◇																		
		Toxic Materials ◇																		
		Construction Waste ◇																		
<b>Description</b>	The purpose of this large temporary sediment/detention basin is to detain large runoff while allowing excessive amounts of sediment to settle out. The abundant area permits a severe reduction in sediment.																			
<b>Suitable Applications</b>	<ul style="list-style-type: none"> <li>➤ For disturbed areas 5 acres or larger, basins should be placed at the outlet, or smaller more disturbed areas with potential erosion problems.</li> <li>➤ Used with devices to divert disturbed areas into the basin.</li> <li>➤ Used in areas where sediment-laden runoff may enter usable waterways.</li> </ul>																			
<b>Approach</b>	<ul style="list-style-type: none"> <li>➤ Suitable for almost all construction projects.</li> <li>➤ Intended to trap sediment before it leaves the construction area.</li> </ul>																			
<b>Installation Procedures</b>	<ul style="list-style-type: none"> <li>➤ Securely anchor and install anti-seep collar on the outlet pipe/riser for events larger than 2-year storm events.</li> <li>➤ Basin volume should capture at least a 2 year 24 hour storm.</li> </ul>																			

**Activity: Temporary Sediment/Detention Basin**

- Maintenance**
- Inspect weekly and before and after rainfalls.
  - Maintain all aspects of the basin (outlet area, outlet structures, etc.).
  - Remove sediment when storage is 1/3 full.
  - Basin failure should not affect loss in life, property, roads, or utilities.

**Inspection  
Checklist**

- Structure has appropriate outlet design.
- Stabilized outlet prevents erosion.
- Sediment accumulation does not exceed 1/3 depth of basin.