

Listed below are easy fixes to many problems that will present themselves on construction sites. This list is not meant to be exhaustive or to replace the BMP manual, but it can be a means to guide you through steps to correct common problems. If the solutions below do not work or are not applicable and you still need help, contact the site designer, the appropriate MS4 stormwater coordinator, or the appropriate SWCD urban conservation specialist. Adapted from Florida Erosion and Sediment Control Inspector's Manual.

BMP	Problem	Possible Solutions
Basin / Channel	Flooding / Reduced Capacity	Check sediment level. Remove sediment before $\frac{1}{3}$ height of channel.
		Check outlet. Remove blockage if needed.
		Mow grass.
		Check drainage area. If undergoing excessive erosion, install additional controls or repair existing controls.
		Resize basin to handle additional flow.
Check Dam	Displacement	Reroute some runoff to a more suitable area if needed.
		Use larger rock to stabilize.
		Check drainage area. Install additional check dams or provide other means to slow or divert flow if needed. If slope is steep, consider using another BMP or train.
	Water flowing around sides	Build up sides of check dam with lower center area. Be sure design follows BMP manual.
	Water flowing over dam without trapping sediment	Check sediment level. Remove sediment before $\frac{1}{2}$ height of dam.
Check Dam	Water flowing under / through dam	Check drainage area. Install additional check dams or provide other means to slow or divert flow if needed.
		Check that dam is keyed into bed. Check that stone size is correct; use smaller stone if needed.

BMP	Problem	Possible Solutions	
Construction Entrance	Soil is visible through pad	Check that filter fabric is intact; repair or replace if necessary. Add gravel on top	
	Soil tracking onto road	Check that pad is wide enough for construction traffic and being used as the only entrance / exit to site. Extend pad to allow greater time for soil to be dislodged from wheels. Clean gravel pad with vacuum or sweeping. Clean gravel pad with water. Take precautions to capture and filter any runoff.	
	Inlet	Blocked	Ensure that inlet protection is in place. Replace if needed.
			Check sediment level. Remove sediment before 1/2 height of inlet protection.
			Remove sediment and debris and replace clogged fabric or bags if needed.
Check drainage area. Install additional means to slow or divert flow if needed.			
Find sources of obstruction and address.			
	Flooding	If blocked, see remedies for blockage. Reroute runoff to a more suitable area.	
	Outlet	Blocked	Remove sediment and debris.
Eroding		Enlarge riprap apron; use larger riprap. Check that discharge point is at level grade and correct if necessary. Reroute some runoff to a more suitable area.	
Scouring		Check filter fabric beneath riprap apron; repair if needed.	

BMP	Problem	Possible Solutions
Rock Chute	Scouring	Check that chute is built to specifications; repair if necessary.
		Replace or repair filter fabric.
		Add rock or smaller gravel to break up flow.
Silt Fence	Collapsed	Check sediment level. Remove sediment before ½ height of fence.
		Check post spacing, fabric tightness, correct if needed.
		Check drainage area. Install silt fence upslope, J-hooks along edges, or provide other means to break up flow if needed.
		Check actions of contractors to be sure fences are being recognized and avoided when operating trucks and heavy equipment.
	Bypassing	Extend fence.
		Check that fence is on contour; correct if necessary.
		Check drainage area. Install silt fence upslope or provide other means to break up flow if needed.
	Undercutting	Clear sediment and retrench fence. Be sure trench is 6" deep.
		Reinforce fence with wire mesh and / or metal posts.
		Check drainage area. Install silt fence upslope or provide other means to break up flow if needed.

BMP	Problem	Possible Solutions
Vegetation	Bare soil patches	<p>Apply an erosion control mat or blanket if on a slope; mulch and reseed.</p> <p>Check that grass is being watered in dry season.</p> <p>Check that heavy equipment has not been used in the area; educate site workers if needed.</p> <p>Check that grass type is appropriate for season; change seed if needed.</p> <p>Check that vegetation is appropriate for area; replace with rip-rap lined with filter fabric or other erosion control measure as needed.</p>
	Rills or gullies	<p>Check for diversion near top of slope; install if needed.</p> <p>Apply an erosion control mat or blanket and / or mulch and reseed.</p> <p>Check that vegetation is appropriate for area; replace with rip-rap lined with filter fabric or other erosion control measure as needed.</p>