

Decision-Making Matrix for Erosion, Sediment and Stormwater Runoff Control in Developing Areas

Problem	Solution	Types of Protection	Control Practice	Page
Soil Erosion Sediment (off-site) Dust Dying Grass Unstable Slopes	Soil Protection & Stabilization	Vegetative	Temporary Seeding Permanent Seeding Sodding Tree Protection	35 43 55 67
		Non-vegetative & Combined Vegetative and Non-vegetative	Construction Entrance Mulching Erosion Control Blankets Retaining Wall Land Grading Dust Control Topsoiling Bioengineering	27 61 71 63 77 69 31 93
		Storm Drain Inlet Protection	Fabric Drop Excavated Drop Block and Gravel	163 167 171
Sediment flowing into Drains Sediment (off-site)	Sediment Control	Sediment Barriers	Slit Fence Straw Bales Rock Dams Filter Strips	175 163 169 195
		Surface Runoff Control	Temporary Diversion Permanent Diversion Perimeter Protection Right-of-Way Diversion	107 113 119 127
Sediment (on or off site) Erosion on Slopes Erosion in Channels Localized Flooding Wet, Soft Ground Erosion at Outlets	Stormwater Runoff Control	Runoff Conveyance	Temporary Swale Grass-lined Channel Riprap-lined Channel Temporary Slope Drains Subsurface Drains	123 131 135 139 145
		Outlet Protection	Rock Outlets Energy Dissipators	151 157
		Sediment & Stormwater Traps	Temporary Sediment Trap Sediment Basin Detention Pond Extended Detention Pond	201 209 217 225
Sediment (on or off site) Flooding (on or off site) Erosion (on or off site) Stream Erosion Pollutants in Runoff	Stormwater Management	Infiltration	Infiltration Basin Infiltration Trench Porous Pavement Constructed Wetland	233 241 247 255
		Stream Protection	Temporary Stream Crossing Streambank Protection Streambank Setback	265 273 285