Slope Drain
(For Temporary Spillway)

BMP Description*	Temporary slope drains are a conveyance which diverts stormwater and serve as a temporary outlet to reduce erosion on slopes. This installation is specific for use as an emergency spillway for a detention basin.

Function	Temporary slope drain installed on site to act as an emergency Spillway from a temporary detention basin in lieu of riprap. Intent to is allow water to leave the detention area without eroding the berm of the detention basin and convey runoff from the top of the berm slope to the bottom and off the permitted area without causing erosion of the slope.

Installation	A twelve-foot section of the berm is excavated six inches to form a spill way. Geotextile fabric is extended from inside the detention basin through the spillway down the slope, through the perimeter siltfence and extended across the adjacent permitted area to a culvert. The sides of the slope drain are formed with strawbales (placed flat on strings) on the south side and a continuous length of filtrexx on the north side. The fabric is staked through these controls and pinned thorough-out the center. Three check dames were abutted to the straw bales with a gap left next to the filtrexx to prevent flows from overtopping sides of spillway.

Phasing	This control measure installed due to site conditions preventing delivery of materials and the safe operation of equipment. It will remain in place until as designed basin is complete and grading requires removal.

Implementation	Implemented as part to a series of significant storm events. This was an emergency response to prevent off site discharges.

BMP Location	NE corner, see map

Inspections	Temporary slope drains shall be inspected for proper installation and function, by-passing or undercutting the device, and integrity of the diversion at the top of the slope.

Maintenance	Maintenance activities include removal of excess sediment or debris from diversion structures, inlet and outlet, and repair of the drain.