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**STRUCTURAL BMPS FOR MS4 COMPLIANCE**

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**ABSTRACT:** The Albuquerque Metropolitan Arroyo Flood Control Authority (AMAFCA) is one of four co-permittees of the Municipal Separate Storm Sewer System (MS4) permit issued for the greater Albuquerque area. As the principal flood control authority in Bernalillo County, AMAFCA has engaged in proactive management of their flood control channels and facilities to address water quality concerns. Urbanized conditions within much of the watershed create a pollutant source that contributes directly to the North Diversion Channel, the MS4 regulated facility. This channel has a discrete outlet directly into the Rio Grande, a source of drinking water for the City of Albuquerque. Numerous structural BMPs have been engineered along the North Diversion Channel to address storm water pollutants with the goal of reducing trash "floatables", organic debris and other gross pollutants. Some facilities also address aqueous phase pollutants and provide for extended detention. Recent design and construction of large scale "end of pipe" filtration systems will serve to greatly improve storm water quality discharges in select locations.

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