SUSTAINABLE STORM WATER MANAGEMENT IN AN ARID CLIMATE FOR LE$$

DAVID PIKE - CITY OF SANTA FE NM STORM WATER MANAGEMENT

Identify Best Location - GIS Topography

Identification of most suitable location using GIS topography layering. Finding areas where water is slow moving and accumulation occurs naturally.

Existing problem area with street flooding during moderate rain events.

SANTA FE RIVER DURING STORM SURGE

Helping to Change This.

With This.

Recycle and Repurpose

Repurposed materials from existing stockpiles used to provide water storage and soil stability. Existing slope used for gravity distribution of water.

Completed Median Fall of 2013.

Simple curb cuts and common sense.

Reducing top of soil heights to a minimum of 4" below top of curb, use of materials that create a 50% permeable air space to a depth of 36", curb cuts in precise locations that take advantage of water accumulation and a determination of total capacity, surge flow retention, and making allowances for overflow allow this median to serve a small part in Storm Water Management.

Functioning as Designed

Median Adoption and Maintenance.

Water Conservation Division has adopted Median and installed identification signage using solar powered lights to display.

Cooperating Departments:

PUBLIC WORKS – Streets and Drainage, Storm Water Management, Parks.

PUBLIC UTILITIES – Water Conservation, Keep Santa Fe Beautiful, Transmission and Development.

Save Water Santa Fe
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