

## Springs Preserve, Las Vegas, NV









An Oasis in an Arid Climate: Stormwater Masterplanning and Design

The Meadows Detention Basin, previously a vacant and unmanaged eye-sore in the community, became the heart of the restoration efforts at the Las Vegas Springs Preserve. The principle goal of Meadows Detention Basin was to recreate a riparian wetlands with a cauldron pool spring as a primary water source. The Project was designed to demonstrate the effectiveness of riparian wetlands for the treatment of non-point source pollutants and mitigation of stormwater runoff.

One of the challenges of the design was incorporating parks and public spaces in the flood control basin. In addition to providing treatment of stormwater, the project creates significant habitat and bounty for local flora and fauna. Inclusion of the Cauldron Pool provides a historical simile with the original Las Vegas Springs, and therefore provides an opportunity for it's 600,000 visitors each year to understand the relationship of water to the development of the City of Las Vegas. All project goals were accomplished without affecting the Flood Districts requirements to operate this site as a flood control detention basin.