

Aquatix' city water systems are an alternative to recirculation systems when splash pads are in a controlled environment with limited usage times or when systems and selected water play elements are designed for minimum water consumption. City water systems are a cost effective approach for a splash pad project when water consumption issues are not a concern. Water reclamation may be routed to a retention pond & used as means of irrigation.

# City Water System

## 1 Activation Bollard

Touch post activator

## 2 Ground Spray

Flush spray feature with various nozzle effects

## 3 Embed Pod Drain

Drain to waste to eliminate standing water in ground spray pod

## 4 Drain to Waste Outlet

Main drain to collect all splash pad water to waste

## 5 Water Play Structures

Above grade spray feature with various water activities

## 6 Drain Line to Waste

Take waste water to storm sewer system or retention pond

## 7 Distribution Manifold

Pre-plumbed, pre-fabricated with winterization blow-out-port

## 8 Solenoid Valves

Optional on each feature line for sequencing of events

## 9 Manual Valves

Manually control each spray feature's spray height & distance

## 10 Main Solenoid Valve

On/Off control for splash pad main water supply

## 11 System Control Panel

Controls operational hours, duration of time, sequencing of events, & on/off controls.

## 12 Main Power Supply

Typically 120V, Single Phase, 60 Hz power feed

## 13 Main Water Supply

Municipal water supply with pressure regulator (20 to 30 PSI) & back-flow preventer

## \* Optional Equipment

Above or below grade equipment enclosures & water re-purpose reservoir

