

# St. Regis Detention Structures



Build with Corrugated Steel Pipe.

## Corrugated Steel Pipe Detention Systems

Steel has long-term material properties that can be used under heavy loading and low cover conditions.

St Regis CSP Underground Stormwater Management Systems provide an aesthetically attractive and safe alternative to surface ponds. St Regis Underground CSP will also have reduced maintenance costs and more effective land usage. St Regis CSP underground systems also will have manhole risers that allow for maintenance personal to access and inspect

the system, unlike other underground systems. St Regis CSP Underground Stormwater Systems can be manufactured as detention, infiltration, or filtration systems. Pretreatment



capabilities for water quality can also be built into the system.

### Versatile & Durable

CSP provides a cost effective solution to stormwater management. Pipe diameters up to 144" provide a large storage volume, and the steel provides greater strength than other detention system materials. St Regis Underground CSP Detention Systems can be fabricated into any configuration, around a building foundation, under a park/playground or under a parking lot. CSP design standards give assurance that

fabricated connections and pipe sections can handle load conditions of H-20, H-25, or E-80 with minimum heights of cover from 12" to 24". Long service life can also be accomplished from the lack of abrasion, since the flow velocity is lower than 5 fps, from research study performed by Parsons Brinkerhoff for the National Corrugated steel Pipe Association "Condition Survey of Corrugated Steel Pipe Detention Systems" (NCSPA, 1999)

## The best steel is under ground.



Steel is the most recycled material in the world. Current corrugated steel pipe contains 36-98% recovered content. Unlike other materials,

recycled steel meets 100% of the AASHTO and ASTM standards.