



smartPOND^{bv}
Automated **BATCH VALVE** Stormwater Control.



STORMWATER AUTOMATION AT YOUR FINGERTIPS

Using Automation to Manage the Retention, Detention and Drainage of Watersheds Offers a World of New Benefits and Possibilities.

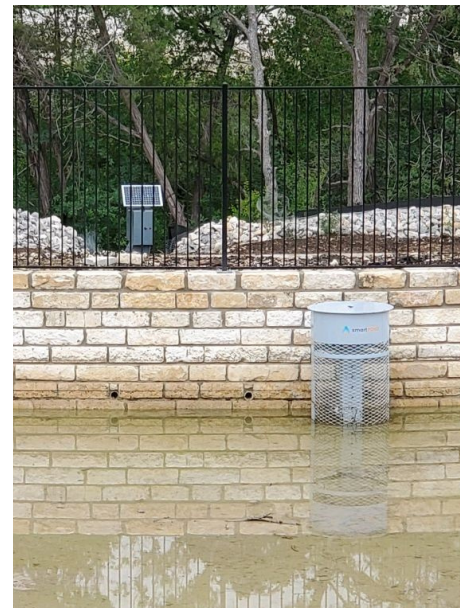
Why smartPOND?

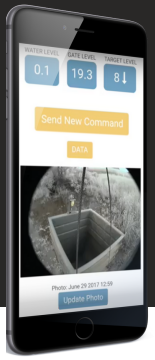
Our weather is constantly changing, yet our stormwater controls remain the same. smartPOND takes passive stormwater controls and gives them brains, allowing for pre-programmed stormwater pond management that actively measures and releases stormwater to match your regulatory regime, as well as application-based real time control that allows you to retain or release water at the tip of your fingers.

While automation is not new, stormwater automation is only in its infancy. It's no wonder Convergent Water Technologies and Construction EcoServices, both leaders in in stormwater innovation, have been involved in many of the first stormwater automation projects. From managing subsurface underground detention / rainwater harvesting systems through weather predictive technology, to creating automated settling ponds for stormwater quality, Construction EcoServices is once again on the forefront of stormwater management. The future of stormwater is automated, through controls, sensors and telemetry. The move from passive control to active control is on the horizon.

Key Benefits:

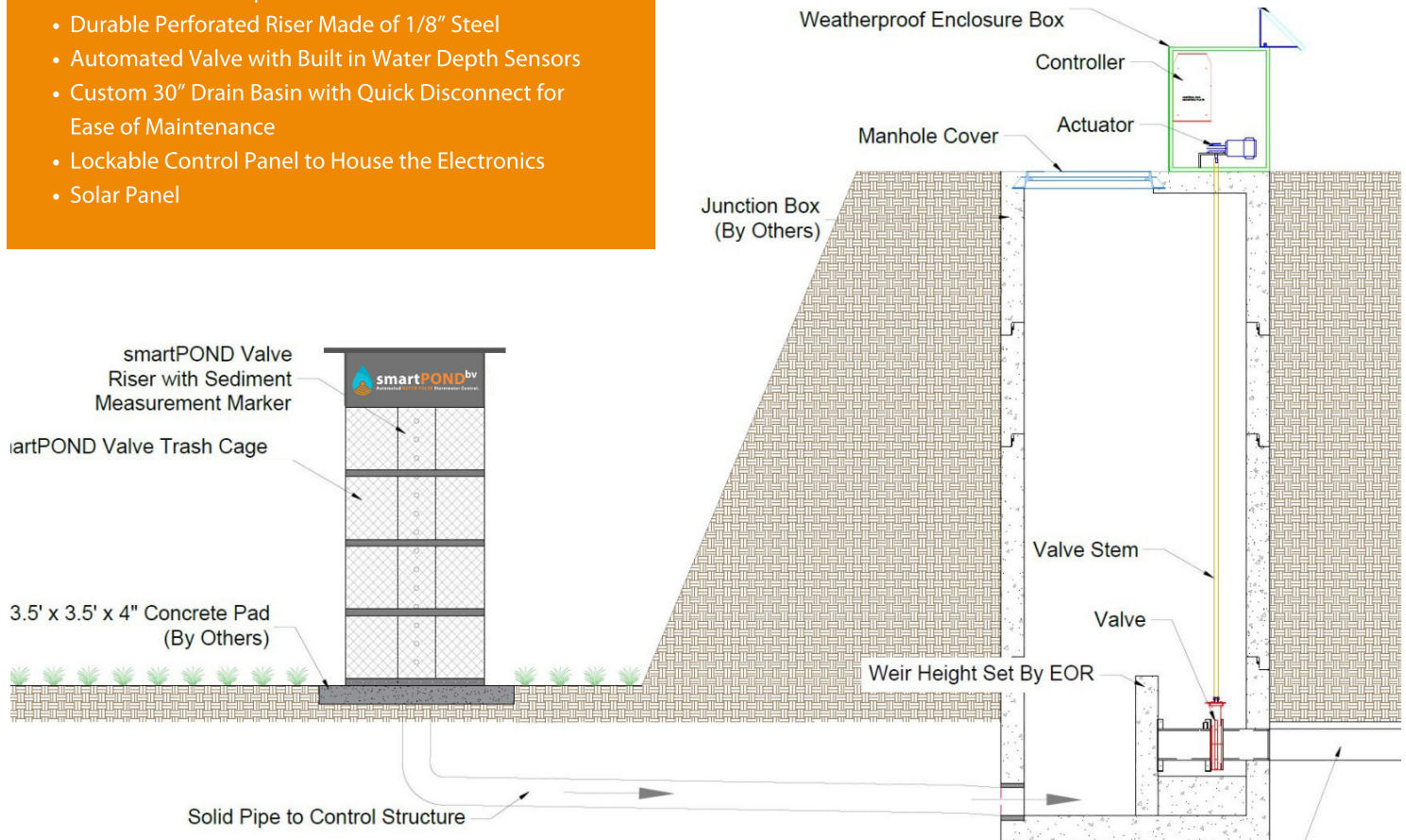
- Real time maintenance alerts
- Real time data water level, valve position, temperature & more
- Tough, Integrated Design For Simple Installation and Maintenance
- Greater efficiency over sand filters
- Total Suspended Solid (TSS) removal = 91%
- Meets Edward's Aquifer Protection Plan Batch Detection Requirements





The Key Components:

- Trash Screen with Sediment Depth Marker for Ease of Maintenance & Inspection
- Durable Perforated Riser Made of 1/8" Steel
- Automated Valve with Built in Water Depth Sensors
- Custom 30" Drain Basin with Quick Disconnect for Ease of Maintenance
- Lockable Control Panel to House the Electronics
- Solar Panel



How Does smartPOND Work?

The smartPOND valve has a series of predetermined commands to help meet project requirements. If water quality and TSS removal is the goal, the batch detention command might be selected. If the objective is to maintain a specific water surface elevation, you can preset the elevation in the application and that level will be maintained indefinitely. Customized solutions are also available through the application to set draw down times, water surface elevations as well setting future commands.

What About Maintaining smartPOND?

Routine inspections can be monitored remotely with the smartPOND onboard camera, giving owners and 3rd party operators instant feedback on the condition of the system. Automated processes also make users aware of upcoming system maintenance needs, sending alerts to users' smartphones/e-mail with advance notice of battery, solar panel or other component maintenance needs within a predetermined time frame.

Distributed by Construction EcoServices, a Member of the Convergent Value-Added Reseller Network



CONVERGENT WATER TECHNOLOGIES
ConvergentWater.com
800.711.5428



CONSTRUCTION ECOSERVICES
ecosvs.com
832.456.1000