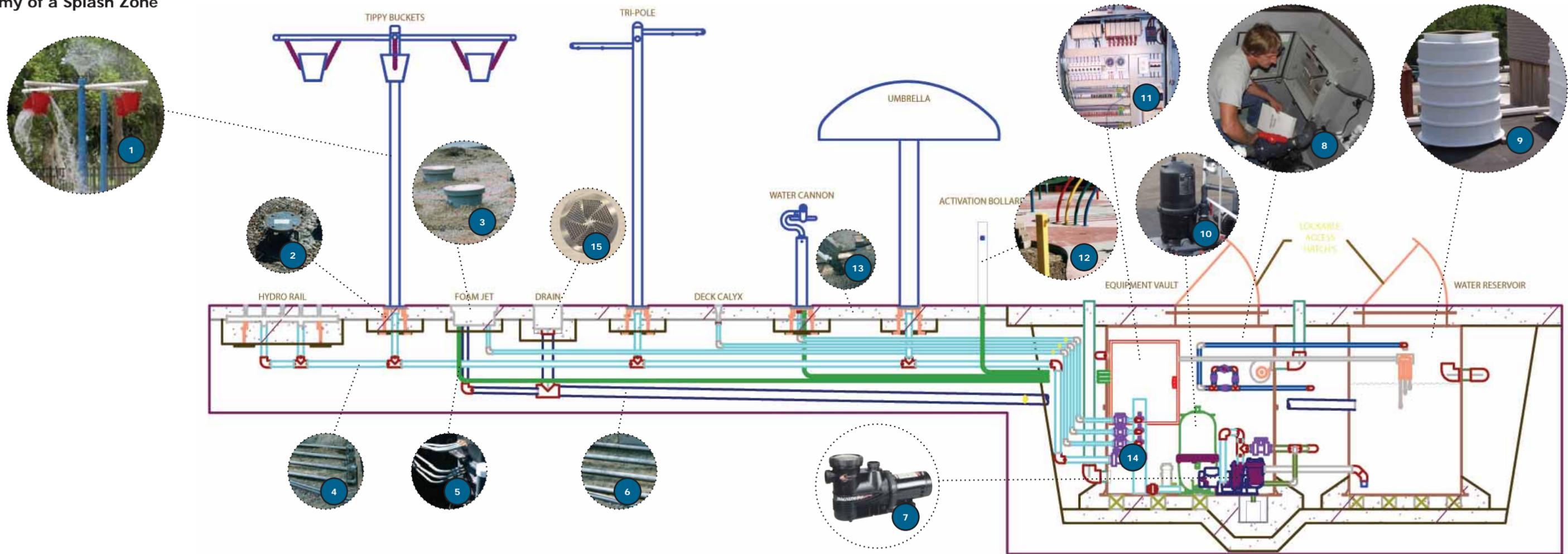


Anatomy of a Splash Zone



1. Above Ground Features

Rugged stainless steel construction with all-welded joints provide strength and durability. Tougher than Chinese arithmetic!! A chlorine proof, vandal resistant, UV stabilized industrial finish wards off evil spirits. Bright colors and unique shapes draw kids into the Zone.

2. Anchor Flanges

Most of our above ground anchors utilize the same flange and associated hardware. This anchor flange embedded in concrete assures maximum strength and rigidity for the towers. We use stainless steel couplers to thread PVC nipples into; the best arrangement when feeding towers with PVC pipe. This modular approach also allows users to add new features or rotate existing features every year. This season a "Tri-Pole"; next season a "Blast Tower".

3. Flush Mounted Features

Waterworks unique shallow vessel design contains the water feature nozzle, solenoid, light, supply fitting, drain fitting and low voltage junction box. By having the solenoid within inches of the nozzle we create instantaneous action to provide popping jets and jumping streams unique to Waterworks. This design also allows us to light our effects for spectacular shows after dark.

4. Water Supply Pipe

Contractor supplied. Delivers pressurized water (usually less than 30 PSI) to the individual features (Water Cannon, Deck Calyx, etc.). The equipment vaults are pre-piped through the walls with labeled supply couplers for simple, no-mistake connections.

5. Electrical Conduit

Supplied by contractor, they carry the low voltage wires to the flush mounted features. Our vaults have conduit couplings "glassed" into the walls for easy hookup.

6. Drain Pipe

Connects the main drain(s) and returns water back to the reservoir. Usually slopes 1/4" per foot.

7. Pumps

We use pool pumps designed for use with chlorinated water. Our Features pumps have built-in basket strainers for a second level of filtration to keep nozzles clean and water quality at its optimum. We size the pump to operate at or near the "Best Efficiency Point" on the pump curve. This provides energy savings by lowering your operating costs. All of our pumps meet or exceed the rigid standards of NSF and are U.L. Listed.

8. Equipment Vaults

Our equipment vaults are constructed of fiberglass engineered to withstand burial conditions all over the world. With forced ventilation for equipment cooling and fume exhaust, lockable aluminum access hatches with 300 PSF live loads, and computer designed equipment layouts, these vaults are truly "state-of-the-art". Vaults are equipped pre-piped, pre-wired and pre-tested. This time saving feature allows contractors to place the vault next to the reservoir, make one incoming electrical connection, pipe from reservoir to pump "IN" line, and pipe from supply line stub-outs glassed into vault wall to the water features. Backfill and you are ready to pour concrete and finish your SplashZone! Saving time brings your finished costs down.

9. Reservoirs

Our reservoirs feature Auto-Fill and Level Sensors, Overflow Drains, lockable access hatches and anti-floatation flanges. We pre-pipe and label all fittings into the walls for fast and easy contractor connections. We also offer optional "Pre-Filtration" that filters water coming off the Zone before it enters the reservoir. This prevents debris such as cigarette butts, bubble gum, food and diaper matter from falling to the bottom of the reservoir and "fermenting" in the water.

10. Filtration

Waterworks uses both cartridge filters and sand filters with backwash features. Cartridge filters are best for smaller SplashZones (200 GPM or less) where sand filters are preferred for larger parks. Using cartridge filters we "scrub" the water through every pass of the features pump. With sand filters we use a separate filter pump dedicated to purifying your water.

11. Control Panel

The U.L. Listed control panel is the brains of the SplashZone. It contains motor starters, disconnects, H-O-A switches, PLC's and VFD'S. Our Programmable Logic Controllers are loaded with WATERsoft water park

management software. WATERsoft allows the park operator to set parameters that control every function in the SplashZone. See page 32.

12. Activation

We feature bollard posts and flush mounted activation. All of our activators are "hard wired" to ensure operation every time. We do not use remote control or radio signals which may fail and require more maintenance than "hard wired" activators. You can choose between traditional pushbutton or infrared sensors, according to your requirements. Pushing the button starts the program. The infrared model can activate the program without user interface or knowledge.

13. Concrete

Supplied by contractor to meet local codes. Typical SplashZones are poured 4" to 6" thick with a broom brushed, non-slip finish. Dyes can be added to the concrete to create designs or themes (Eg., cartoon characters or the name of the municipality). Many times the concrete is finished with safety decking.

14. Manifold

Manifolds are built from Stainless Steel or Schedule 80 PVC per specifications. Our manifolds are pre-assembled with solenoid valves sized for the feature and tested with the supplied controller. Also included are isolation valves on each supply line. Optional features are pressure sustaining valve, water hammer arrestor, pressure gauge, flexible connector on pump flange, corporation stops for chemical injection and ports for 4-20 mA sensors for Variable Frequency Drives.

15. Drain

Sized for the water flow requirements of the SplashZone. The slip resistant grating is sized to protect "little toes" and is UV stabilized.

16. Water Quality Controllers

As simple as a tablet chlorinator or as sophisticated as an automated system with pumps and chemical tanks to control pH and ORP, we keep your water clean and pure.