

Benefits of the StormPod System

Feature	Advantage Over Other Systems	Benefit to Customer
(A) Arch shape with a ribbed-shell design	<ul style="list-style-type: none"> • Stronger than conventional flat slab systems. • Requires thinner slabs, less concrete and reinforcing than other systems. 	<ul style="list-style-type: none"> • 20-30% less cost than other precast systems. • Lighter sections • Install modules with an excavator or small crane.
(B) Arch and base slab are bolted together at the precast facility to create a module	<ul style="list-style-type: none"> • Pick the arch and base slab at the same time vs individually with other systems. • Bolted connection between arch and base slab. 	<ul style="list-style-type: none"> • Install two sections with one pick. • Cut time of installation in half. • Reduce cost of crane. • Reduce installation labor cost. • Prevent separation between arch and base slab.
(C) Each module is cast with an interior pre-formed caulk joint so that the interior joints can be caulked to make the structure water-tight	<ul style="list-style-type: none"> • Structure can be made water-tight internally rather than externally. • Does not require an external impervious liner. 	<ul style="list-style-type: none"> • Easier to level modules by adjusting the stone bedding during installation. • Do not have to worry about puncturing an impervious liner during installation. • If the structure leaks, it is easier to locate and repair the leaking joint vs if an external liner leaks it is impossible to locate and repair the leak.
(D) Modular design with standard module types.	<ul style="list-style-type: none"> • Only 2 types of modules. • Standard modules are interchangeable. • Can inventory standard modules. • Fewer overall parts. 	<ul style="list-style-type: none"> • Easily scalable by adding modules. • Endless system layout configurations. • Easily avoid utility conflicts. • Quicker lead times. • Ability to meet demanding delivery schedules. • Less parts to install.
(E) Exterior cavity and drain port created by the exterior arch shape	<ul style="list-style-type: none"> • Can be used for additional storage capacity when filled with stone. • Water can seep down through the stone cavity and infiltrate into the sub-base. • Can be filled with bioretention media or soil. • Provides shear resistance to differential settlement between modules. 	<ul style="list-style-type: none"> • Reduces cost of system by reducing the quantity of modules. • Can place structure under pervious pavement and still allow run-off water to infiltrate into the ground. • Eliminates pooling of water on top of structure. • Can accommodate plant life directly on top of the system when at grade or close to grade.
(F) Each module is cast with self-aligning tongue and grooves located around the perimeter of the base slab.	<ul style="list-style-type: none"> • Provides shear resistance to differential settlement. • Aligns modules vertically and horizontally during installation. 	<ul style="list-style-type: none"> • Prevents differential settlement. • Improves the quality of the installation. • Provides smoother floor transition between modules to eliminate tripping hazards and improve ease of maintenance.