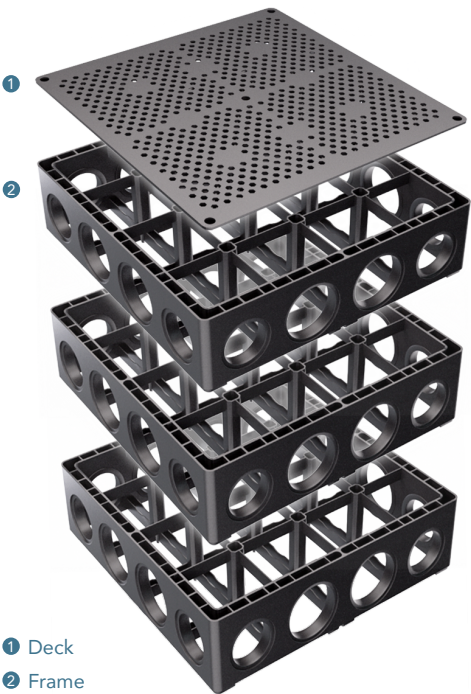


MARINO CELL

The DeepRoot Marino Cell is a shallow stormwater storage module. It features a shallow profile (150mm in height) and a stackable design (up to four frames tall), allowing for customizable chamber sizes to fit nearly any project specification. It can also be installed at very shallow depths, within 200mm of the surface, for added field versatility.

Stormwater detention, infiltration, and harvesting can be achieved with the Marino Cell. It has a shallow depth of cover and meets HS-20 loading standards with very little cover requirements (utilizing a single deck atop any number of stacked frames). The Marino Cell features two sizes of utility pipe inlets for easy pass-through access.

BENEFITS



DESIGN

- 150mm depth modules, stackable
- Unlimited design flexibility using multiple modules to achieve stormwater management goals
- Perfect for highwater table
- 100% recycled polypropylene

STRENGTH

- Shallow depth of cover to meet HS-20 loading
- Supports vehicular loading with as little as 200mm of cover
- Modules nest vertically to provide added support

MAINTENANCE FLEXIBILITY

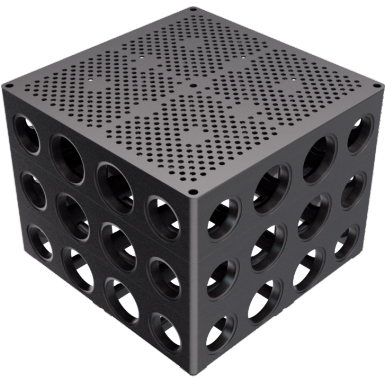
- Two-part deck and base allow for removal of the deck for observation and maintenance.
- Large 75mm openings on all four sides allow for vac and jetting maintenance
- Independent structures allow for the removal of a stack to access utilities and other infrastructure

MAXIMUM VOID RATIO

- 95% void space ratio
- Easy access for collection and distribution pipes on all four sides
- Flexibility to run utilities through the system in both directions up to 75mm diameter
- Connect to perimeter of cell with 100mm diameter pipe

INSTALLATION

- Lightweight and easy to handle – no assembly required
- No connecting pins required



APPLICATIONS

- Under permeable paving surfaces
- Under bioretention/bioretention systems to increase capacity
- Green Infrastructure designs to aid in storage or conveyance
- Water re-use on podium or green roof applications
- Urban forestry to support the planting and irrigation of street trees
- As conveyance of stormwater to planting and trees for Green Infrastructure

UTILITIES

- The Marino Cell has four utility ports on each side, able to accommodate up to a 75mm pipe

STRUCTURALLY INDEPENDENT

- The Marino Cell frames are structurally independent from one another, making installation and future maintenance/repair a simple process
- No connecting pins required

DIMENSIONS

Frames	Length	Width	Height
One	600mm	600mm	150mm
Two	600mm	600mm	300mm
Three	600mm	600mm	450mm
Four	600mm	600mm	600mm

STORM CAPACITY

Frames	m³
One	0.054
Two	0.108
Three	0.162
Four	0.216