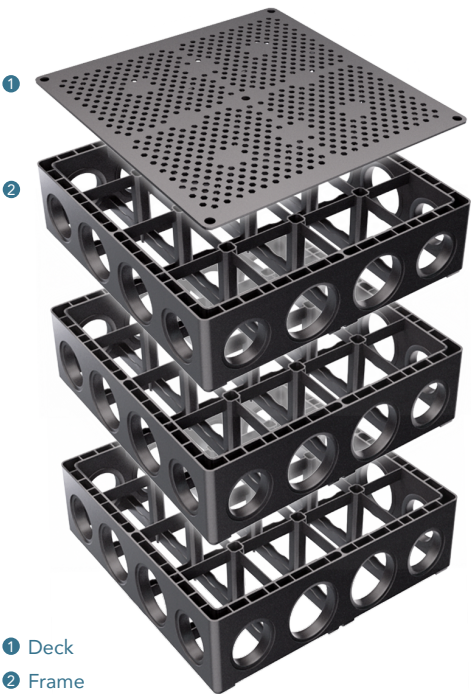


# MARINO CELL

The DeepRoot Marino Cell is a shallow stormwater storage module. It features a shallow profile (6" 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 8" 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

- 6" depth modules, stackable
- Unlimited design flexibility using multiple modules to achieve stormwater management goals
- Perfect for highwater table
- Excavation as shallow as 18"
- 100% recycled polypropylene

### STRENGTH

- Shallow depth of cover to meet HS-20 loading
- Supports vehicular loading with as little as 8" of cover
- Modules nest vertically to provide added support

### MAINTENANCE FLEXIBILITY

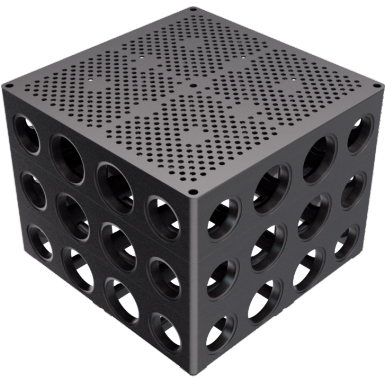
- Two-part deck and base allow for removal of the deck for observation and maintenance.
- Large 3" openings on all four sides allow for vac and jetting maintenance
- Independent structures allow for the removal of a stack to access utilities and other infrastructure

### 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 3" diameter
- Connect to perimeter of cell with 4" 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 3" 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    | 24"    | 24"   | 6"     |
| Two    | 24"    | 24"   | 12"    |
| Three  | 24"    | 24"   | 18"    |
| Four   | 24"    | 24"   | 24"    |

### STORM CAPACITY

| Frames | gal   |
|--------|-------|
| One    | 13.55 |
| Two    | 27.10 |
| Three  | 40.66 |
| Four   | 54.21 |