

ACCESS & EASE OF MAINTENANCE

Maintenance demands differ depending on the project, with man access units often necessary for the more comprehensive maintenance requirements of local authorities and water companies.

Failing to routinely maintain any stormwater system can lead to poor performance, reduced capacity and future effectiveness of the system.

It is therefore vital to implement an effective maintenance strategy to retain the long-term value of a stormwater management system. However it can be done in such a way to keep overall system costs down.

Some systems can be configured to incorporate dedicated access units to provide easy access for CCTV inspection cameras and cleaning devices, such as jet washing equipment. This allows the whole system – including all extremities – to be inspected and maintained from just a few select access points.

Permeable paving

The top surface of permeable paving is able to be jetted, which can keep joints and voids clean from blockages. This needs to be done regularly to reduce the tendency of

the top 15-25mm of the voids becoming obstructed. Although the surface can be cleaned, if not properly maintained or a catastrophic spillage occurs, the structure cannot be accessed and in severe scenarios requires replacement.

Concrete tanks and pipe systems

Concrete tanks and pipe systems both have good access for maintenance.

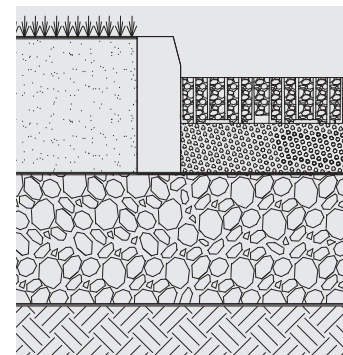
Geocellular crate systems

Some geocellular units have an open structure. When paired with various access units, this can provide a maintainable and easily accessible structure. Older crate systems typically comprise of closed-in structures which provide no access, leading to regular blockages. Newer versions on the other hand, have been used for Highways and water authority adoption, which have stringent maintenance requirements.



The choice between remote access units or man access units depends on the project requirement. Newer modular systems allow greater flexibility in choice and placement of these within the system.

Jetting is usually sufficient to re-mobilise any sediment and prevent sustained build-up in crate systems, however vacuum suction can also be employed, provided the system offers sufficient access.



Permeable paving void structure



Inspection of ACO StormBrixx HD, geocellular system via a man access unit



ACO StormBrixx geocellular crates with CCTV inspection cameras inside