



# CIVILS

Quality Plastic Solutions

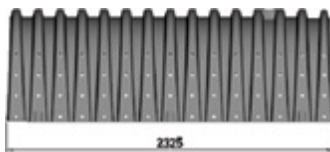
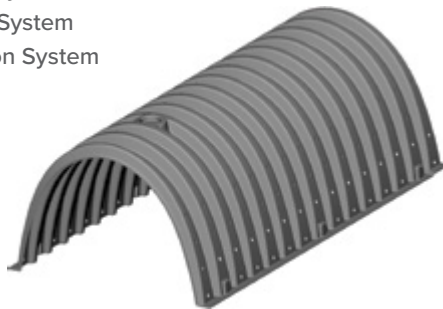
## HydroChamber

The HydroChamber is an arched chamber attenuation system designed specifically for building underground storage tanks for stormwater runoff in attenuation and soak away applications. Its superior design make it suitable for building storage tanks under HGV trafficked and car park areas as well as non-trafficked areas (e.g. green amenity areas). JFC HydroChambers have many advantages over other similar products including BBA certification for HGV loading, superior structural strength, silt management, maintenance and inspection capabilities and cost effectiveness.

JFC HydroChambers are manufactured from high density polyethylene plastic and are backfilled with 35/50mm clean washed crushed stone. The corrugated arch shape of the HydroChamber provides excellent structural strength confirmed by independently witnessed field tests where the chambers were exposed to loads 3.5 times greater than that expected in normal service.

HydroChambers can be used in three different types of Stormwater management systems:

- Infiltration / Soak-away System
- Permeable Attenuation System
- Impermeable Attenuation System



### Features & Benefits:

- Design and Installation Manuals provided
- BBA Certification
- Sizing Calculator
- Superior Structural Integrity
- AutoCAD Drawings
- Visual and Camera Inspection
- Full Technical Assistance
- Silt / Grit Management System
- Installation Service
- Stackable for storage on site

### HydroChamber 800 Specification

- Overall Dimensions (mm): 2325 x 1265 x 800
- Installed Dimensions (mm): 2175 x 1265 x 800
- Nominal Storage\* 2.1 – 2.8m<sup>3</sup> / Chamber
- Lateral Flow: 114 Holes x Ø20mm

\* System storage is dependent on foundation depth, distribution pipe diameter and the overall system size. See HydroChamber calculator for more details.



## Make JFC Your Stormwater Management Consultant & Provider

### Inspection & Design Services

- Customised Stormwater management solutions in accordance with local authority legislation.
- Tank sizing and calculations.
- Detailed report (for planning permission).
- On site consultation.

### Supply & Installation Services

JFC offer a number of options when supplying and installing a Stormwater management system

- Supervised installation.
- Supply only.

All JFC Stormwater management solutions include full excavation drawings.

JFC also offer a number of services to enhance the supply and installation of the Stormwater management system.

These include:

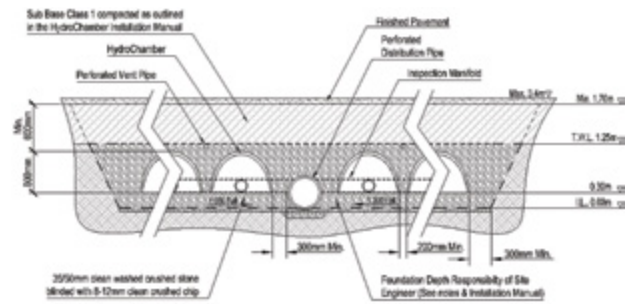
- Full Design Service
- Design Manuals
- Stormwater Management Reports
- Installation Manuals
- Excavation drawings
- BBA Certification
- AutoCAD Drawings



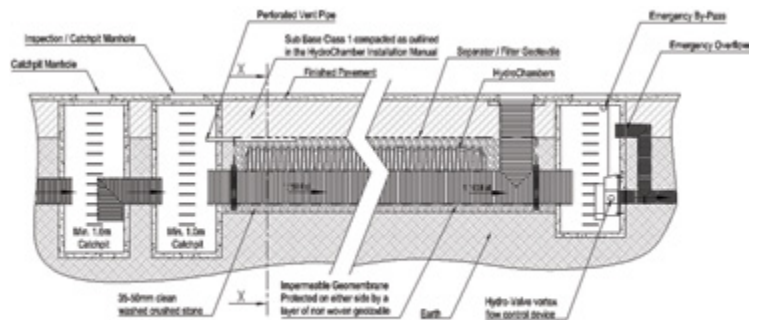
### Inspection & Maintenance

The HydroChamber is a unique attenuation system that minimises the entrance of grit / silt due to the application of two upstream catch-pit manholes.

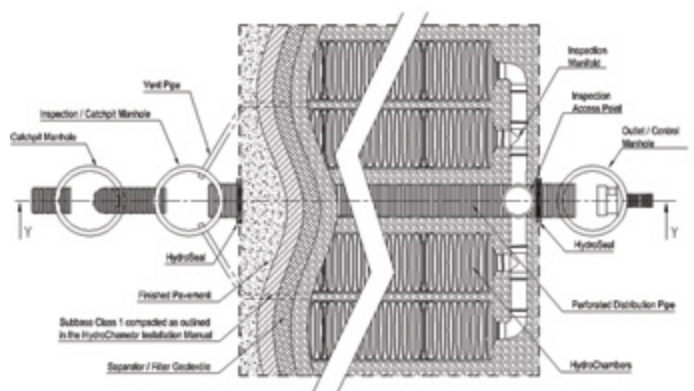
Standard drain cleaning and inspection equipment allows maintenance and inspection to be conducted on the main distribution pipe. Chamber rows can be camera inspected as required.



TYPICAL SECTION X-X



TYPICAL SECTION Y-Y



TYPICAL PLAN

#### IRELAND

Tel. +353 93 24066  
Email. info@jfccivils.com

#### UNITED KINGDOM

Tel. +44 1928 583391  
Email. info@jfccivils.com