

**Reference: MM-A-02**

**SUDS Element:**

Flow Control Chamber Manholes

**Function Served:**

Control the flow through manhole to limit discharge off site to greenfield rate

**Features:**

Concrete manholes with Hydrobrake flow control unit or orifice plate. Including bypass penstock and overflow pipe

**Owned:**

Water Authority

**Location:**

North of attenuation pond adjacent to apartment car park.

In highway between plot 26 and 21.

Eastern site boundary adjacent play area.

**Routine Maintenance:**

Maintenance Activity	Comments	Frequency
Regular Maintenance	Remove sediment and debris from flow control chambers and upstream manholes	Monthly for 12 months, then 6-monthly.
	Inspect hydrobrake and orifice devices	Quarterly

**Infrequent/Corrective Activities:**

Maintenance Activity	Comments	Frequency
Monitoring	Check flow control devices to ensure emptying is occurring	Quarterly and post high intensity storm event
Remedial actions	Replace or clean Hydrobrake or orifice plate if performance deteriorates or failure occurs	As required

**General Notes:**

Maintenance strategy should be reviewed on a regular basis and performance of the maintenance activities assessed.

Reference should be made to recognized industry standards in undertaking maintenance.

Where activities are required outside ownership, permission must be sought from the relevant party.

Refer to CIRIA C753 for discussion on maintenance techniques.

Requirement for reporting of inspections to be confirmed by responsible party. May be required as evidence of activities to prove activity as part of funding arrangements.