

TO BE READ IN CONJUNCTION WITH ALL RELEVANT
ENGINEERS DRAWINGS AND SPECIFICATIONS.

THIS DRAWING, ANY AMBIGUITIES, OMISSIONS AND
DRAWINGS SHOULD BE BROUGHT TO THE ENGINEERS
IMMEDIATELY. ALL DIMENSIONS MUST BE
STATED ON SITE.

ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.

REFERENCE LAYOUT 8790-CUR-ZZ-00-DR-C-92501 FOR THE
ATTENUATION TANK.

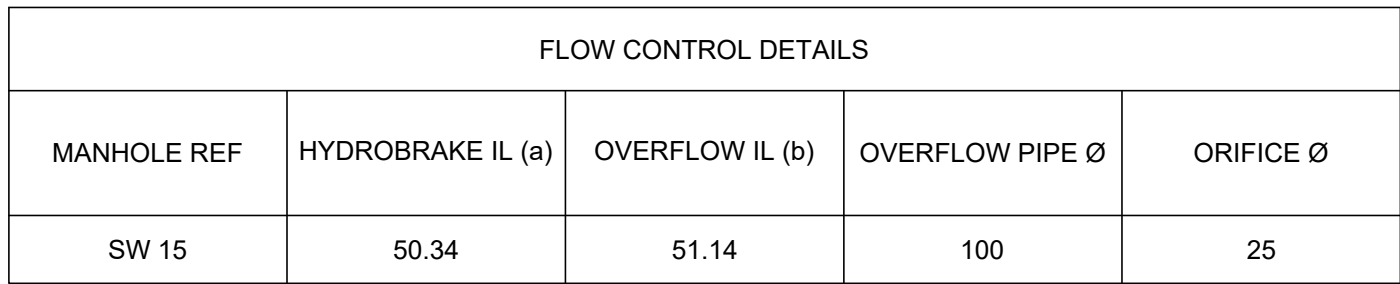
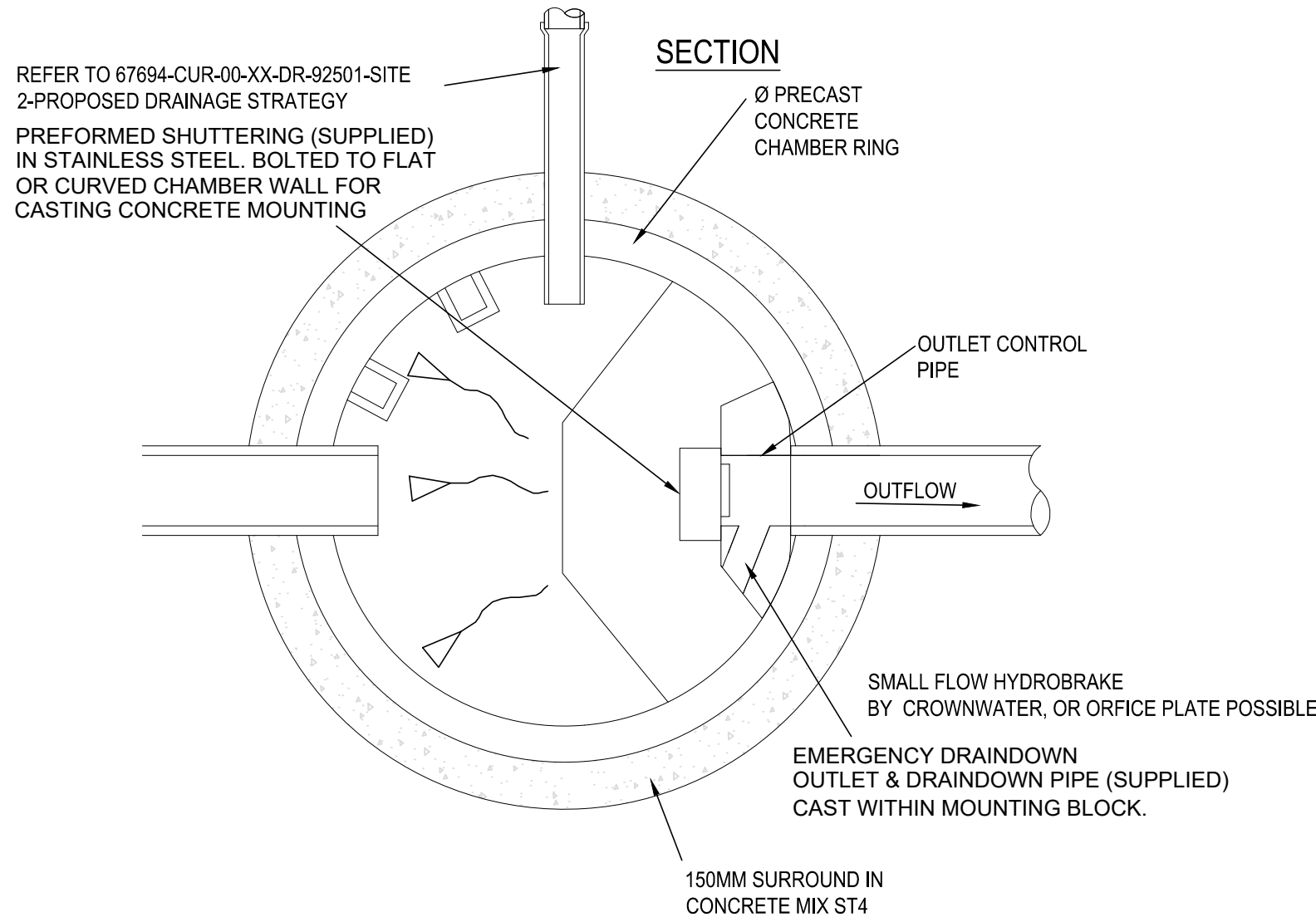
THE SYSTEM MUST BE INSTALLED IN STRICT ACCORDANCE WITH THE
DESIGN REQUIREMENTS, INSTRUCTIONS AND
SPECIFICATIONS.

A FLOW CONTROL DEVICE IS PREFERRED, IT WILL
NEED TO BE CONFIRMED WHETHER THE SYSTEM HAS
A FLOW CONTROL DEVICE.

DRAINAGE CONNECTION SUBJECT TO S106 AGREEMENT
WITH WATER.

FOR MORE DETAILS REFER TO DWG 8790-CUR-ZZ-00-DR-C-92501.

CONCRETE CD2 SHOULD BE USED WHERE
STATED, REFER TO S1



Technical Specification

Control Point	Head (m)	Flow (l/s)
Primary Design	1.100	1.400
Flush-Flu™	0.239	1.181
Kick-Flu®	0.484	0.969
Mean Flow	0.261	1.120

Hydro-Brake™ Optimum Flow Control Including:

- 3 mm grade 304L stainless steel
- Integral stainless steel pivoting by-pass door allowing clear line of sight through to outlet, c/w stainless steel operating rope
- Beed blasted finish to maximise corrosion resistance
- Stainless steel hinges
- Rubber gasket to seal outlet

BBA
BRITISH BUILDING
APPROVED
ASSOCIATION

WR
Approved
WATER RESISTANT

hydro-int.com/patents

SECTION A-A

SECTION B-B

IMPORTANT: LIMIT OF HYDRO-INTERNAL SUPPLY THE DEVICE WILL BE MANDATED TO SUIT SITE CONDITIONS FOR SITE SPECIFIC DETAILS AND MINIMUM CHAMBER SIZE REFER TO HYDRO INTERNATIONAL ALL CIVIL AND INSTALLATION WORK BY OTHERS *WHERE SUPPLIED HYDRO-BRACE™ FLOW CONTROL & HYDRO-BRACE™ OPTIMUM FLOW CONTROL ARE REGISTERED TRADEMARKS FOR LOW RESISTANCE DESIGNED AND MANUFACTURED EXCLUSIVELY BY HYDRO INTERNATIONAL

THIS DESIGN LAYOUT IS FOR ILLUSTRATIVE PURPOSES ONLY. NOT TO SCALE.

DESIGN ADVISOR

The headflow characteristics of this SHE-0054-1400-1100-1400 Hydro-Brake Optimum Flow Control are unique. Dynamic hydraulic modeling evaluates the full headflow characteristic curve. The use of any other flow control will invalidate any design based on this data and could constitute a flood risk.

DATE 11/14/2021 3:17 PM

SITE Gorton Site 1

DESIGNER Andrew Losly

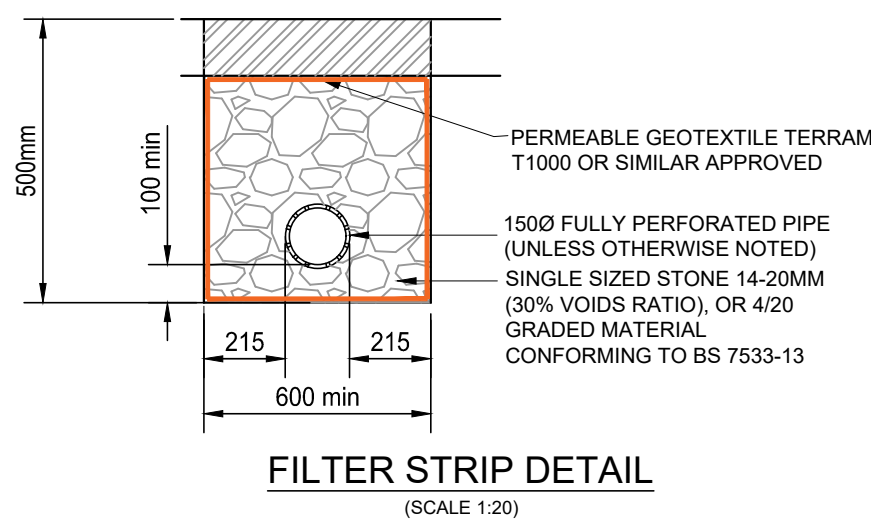
REF 8790

Hydro-Brake™ Optimum

SHE-0054-1400-1100-1400

Hydro-Brake™ Optimum

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FILTER STRIP DETAIL

(SCALE 1:20)

P01	ISSUED FOR PLANNING CONDITION DISCHARGE				05/11/21	ATL	CG	
Rev:	Description:					Date:	By:	Chld:
 Merchant Exchange, 17-19 Whitworth Street West, Manchester, M1 5WG 0161 236 2394 manchester@curtins.com www.curtins.com Civils & Structures • Transport Planning • Environments • Infrastructure • Geotechnical • Conservation & Heritage • Principal Designer Birmingham • Bristol • Cambridge • Cardiff • Douglas • Dublin • Edinburgh • Glasgow • Kendal • Leeds • Liverpool • London • Manchester • Nottingham								
Status:	PRELIMINARY							
Project:	GORTON LANE							
Drg Title:								
SITE 1 INFRASTRUCTURE DETAILS SHEET 5 OF 5								
Size:	Date:		Drawn By:		Designed By:		Checked By:	
A1	05.11.21		ATL		ATL		ATL	
Scale: NOT TO SCALE								
Project No:		Originator:	Zone:	Level:	Type:	Discipline:	Category / Number:	Rev:
8790		- CUR	- ZZ	- XX	- DR	- C	92534	- P01

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