

- 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, fly stainless steel operating rope
 - Beed blasted finish to maximise corrosion resistance
 - Stainless steel fixings
 - Rubber gasket to seal outlet
 - Variable flow rate post installation via adjustable inlet
 - Indicative Weight: 20 kg

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Indicative Weight: 20 kg

POSITION & DIRECTION OF INLET PIPES WILL BE SPECIFIED ON THE CONTRACT DRAWINGS

MASONRY STUD ANCHOR FIXING BOLTS

HYDRO-BRAKE® OPTIMUM FLOW CONTROL FITTED WITH PIVOTING BYPASS DOOR

150 I.D. OUTLET (MINIMUM)

BENCHING

100mm MIN FOR FIXINGS

ACCESS TO BE POSITIONED ABOVE BYPASS DOOR

PULL HANDLE & EYE BRACKET FOR OPERATING ROPE

PIVOTING BYPASS DOOR OPERATING STEEL ROPE

PIVOTING BYPASS DOOR

RUBBER GASKET

EPDM

ADJUSTABLE INTAKE

SUMP

60°

385

270

135

995

610

870

SECTION A-A

SECTION B-B

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



Hydro-Brake® Optimum Flow Control including:

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- Beed blasted finish to maximise corrosion resistance
- Stainless steel fixings
- Rubber gasket to seal outlet
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- Indicative Weight: 20 kg

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150 I.D. OUTLET (MINIMUM)

100mm MIN. FOR FIXINGS

BENCHING

ACCESS TO BE POSITIONED ABOVE BYPASS DOOR

PULL HANDLE & EYE BRACKET FOR OPERATING ROPE

RUBBER GASKET

RING

ADJUSTABLE INTAKE

SUMP

PIVOTING BYPASS DOOR OPERATING STEEL ROPE

PIVOTING BYPASS DOOR

SECTION A-A

SECTION B-B

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 - 3 mm grade 304L stainless steel
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 - Beed blasted finish to maximise corrosion resistance
 - Stainless steel fixings
 - Rubber gasket to seal outlet
 - Variable flow rate post installation via adjustable inlet
 - Indicative Weight: 30 kg

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Indicative Weight: 30 kg

SECTION A-A

SECTION B-B

POSITION & DIRECTION OF INLET PIPES WILL BE SPECIFIED ON THE CONTRACT DRAWINGS

MASONRY STUD ANCHOR FIXING BOLTS*

HYDRO-BRAKE* OPTIMUM FLOW CONTROL FITTED WITH PIVOTING BYPASS DOOR*

150 I.D. OUTLET (MINIMUM)

BENCHING

100mm MIN FOR FIXINGS

ACCESS TO BE POSITIONED ABOVE BYPASS DOOR

PULL HANDLE & EYE BRACKET FOR OPERATING ROPE*

PIVOTING BYPASS DOOR OPERATING STEEL ROPE*

PIVOTING BYPASS DOOR*

RUBBER GASKET

SPIGOT

ADJUSTABLE INTAKE

SLUMP

60°

420

290

145

1055

705

985

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



SCALE 1:10

GENERAL DRAINAGE NOTES:-

1. All sewers to comply with the requirements of the water authorities publication "Design and Construction Guidance, Version 2.1" together with Independent Water Network Addendum.
2. All sewers to be installed in accordance with Section 104 agreement of the Water Industry Act 1991.
3. Invert levels of existing manholes and sewers are to be checked on site before construction commences and results reported to engineer.
4. All manhole ironworks to comply with BS EN124, and be stamped with BSI Kitemark, cover to suit loading as below;
 - Carriageways and Roads - E6000
 - Driveways and Cycles - C250
 - Footpaths and Pedestrian Areas - B125
5. Gardens/Landscaping - A15
5. All sewer pipes, up to, and including 225mm are to be verified dry to BS EN295. All sewer pipes 300mm diameter and above to concrete pipes to BS EN1916.
6. All sewer pipes shall be installed and tested strictly in accordance with the Manufacturers' printed instructions, BS EN 752, BS EN 1601, Local Water Authority requirements and the Building Regulations.
7. All trenches under existing and proposed public highways are to be backfilled with thoroughly compacted Type 1 granular sub-base material.
8. Drainage laid beneath roads and areas of vehicular access (car parking etc) and with less than 1200mm of cover shall be encased in concrete bed and surrounded with associated movement joints.
9. All drainage pipes beneath roads and areas of vehicular access with less than 900mm of cover shall be similarly treated.
10. Chambers with outgoing pipes greater than 600mm diameter shall be backfilled with guard bars, safety chains and other appropriate safety devices.
11. The use of precast concrete products made with sulphate resisting cement is mandatory, unless a laboratory report proves such products are not necessary.
12. All gully connections to use a minimum diameter pipe of 150mm and to be surrounded by a minimum of 150mm of grade C8/10 concrete to full depth. The concrete should not exceed 15mm and its connection to the carrier system.

B	07.25	Rain Garden Detail Amended	JJS	RF
A	03.25	First Issue	JJS	RF
Rev	Date	Description	Drawn	Checked



Client
KIER PROPERTY
DEVELOPMENTS LIMITED

Project
**SOUTH WOKINGHAM SDL
PHASE 2B R11 RESERVED
MATTERS APPLICATION**

Title
**DRAINAGE CONSTRUCTION
DETAILS SHEET 2**

Status	
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Scale AS SHN @ A1	Date MARCH 2025	Drawn JJS	Checked RF
Drawing No A389-R11-RM-512			Revision B