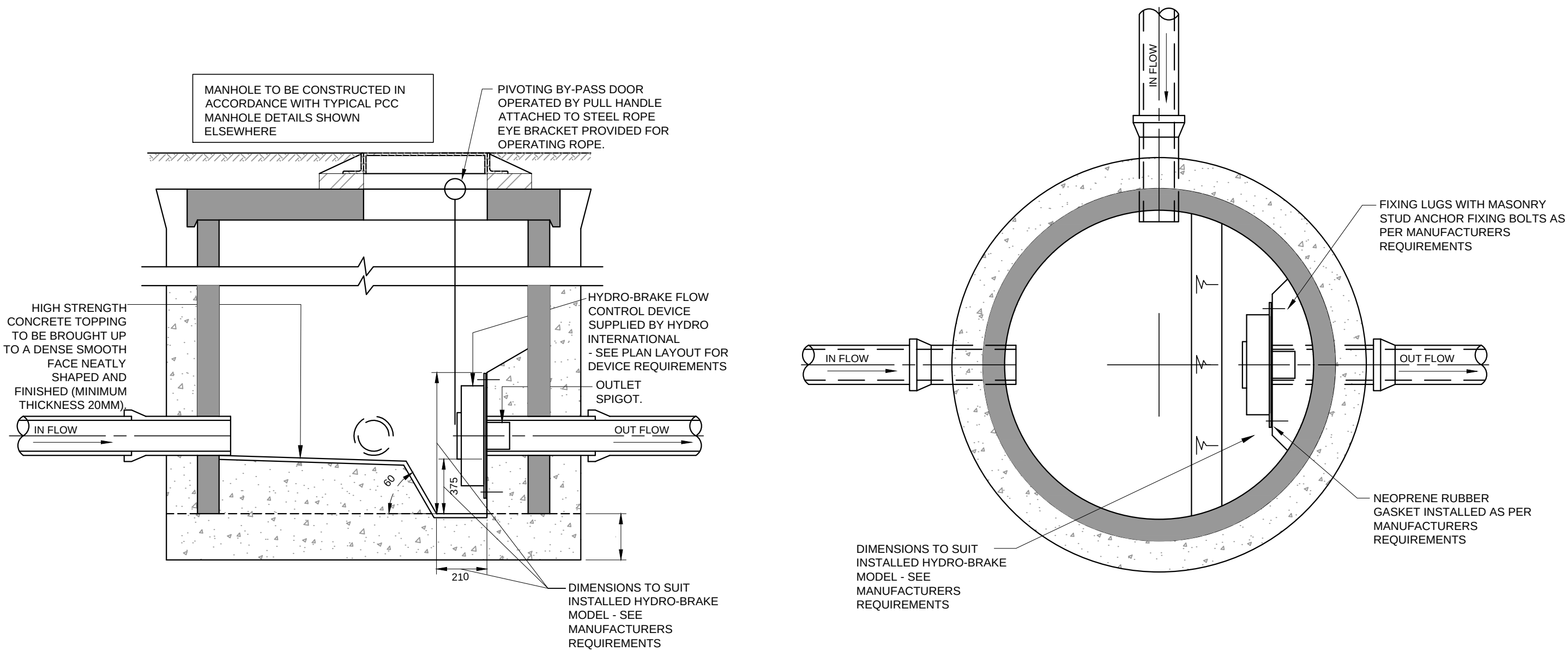


GENERAL NOTES:

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
- DO NOT SCALE THIS DRAWING. ANY AMBIGUITIES, OMISSIONS AND ERRORS ON DRAWINGS SHALL BE BROUGHT TO THE ENGINEERS ATTENTION IMMEDIATELY. ALL DIMENSIONS MUST BE CHECKED / VERIFIED ON SITE.
- ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.

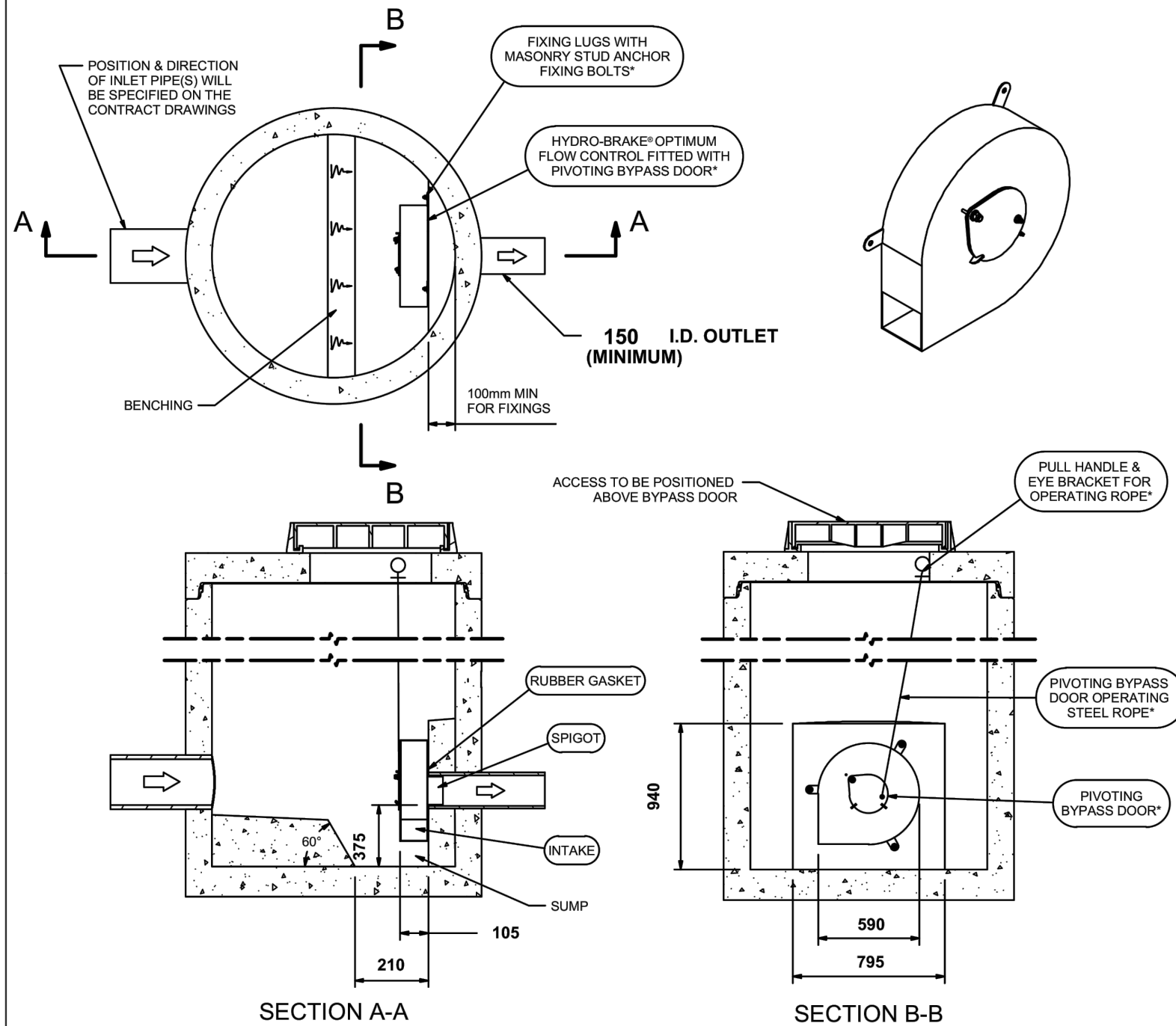


TYPICAL FLOW CONTROL
MANHOLE
(HYDRO-BRAKE)

Technical Specification		
Control Point	Head (m)	Flow (l/s)
Primary Design	1.400	5.000
Flush-Flo™	0.416	4.991
Kick-Flo®	0.855	3.980
Mean Flow		4.382

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, cw stainless steel operating rope
- Bead blasted finish to maximise corrosion resistance
- Stainless steel fixings
- Rubber gasket to seal outlet



IMPORTANT: LIMIT OF HYDRO INTERNATIONAL SUPPLY THE DEVICE WILL BE HANDED 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-BRAKE® FLOW CONTROL & HYDRO-BRAKE® OPTIMUM FLOW CONTROL ARE REGISTERED TRADEMARKS FOR FLOW CONTROLS DESIGNED AND MANUFACTURED EXCLUSIVELY BY HYDRO INTERNATIONAL

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

DESIGN ADVISE ! The head/flow characteristics of this SHE-0100-5000-1400-5000 Hydro-Brake® Optimum Flow Control are unique. Dynamic hydraulic modelling evaluates the full head/flow characteristic curve. The use of any other flow control will invalidate any design based on this data and could constitute a flood risk.

DATE	9/17/2019 12:57 PM
SITE	MMU BIRLEY FIELDS
DESIGNER	Adam Hogan
REF	067709

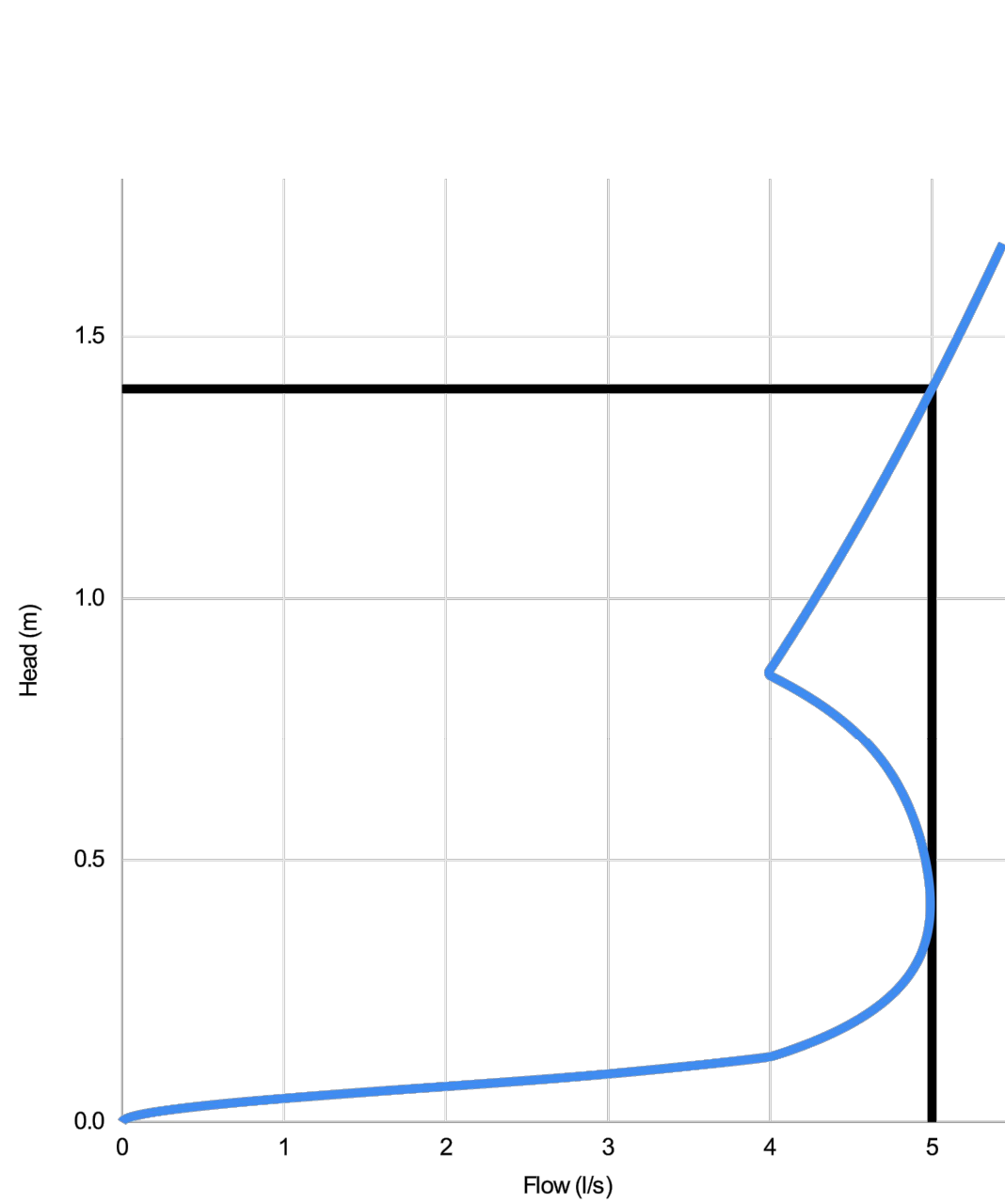
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Hydro
International

SHE-0100-5000-1400-5000
Hydro-Brake® Optimum

Technical Specification

Control Point	Head (m)	Flow (l/s)
Primary Design	1.400	5.000
Flush-Flo	0.416	4.991
Kick-Flo®	0.855	3.980
Mean Flow		4.382



Head (m)	Flow (l/s)
0.000	0.000
0.048	1.130
0.097	3.168
0.145	4.196
0.193	4.532
0.241	4.747
0.290	4.880
0.338	4.954
0.386	4.986
0.434	4.989
0.483	4.971
0.531	4.936
0.579	4.885
0.628	4.817
0.676	4.723
0.724	4.597
0.772	4.424
0.821	4.194
0.869	4.010
0.917	4.111
0.966	4.209
1.014	4.305
1.062	4.399
1.110	4.490
1.159	4.579
1.207	4.667
1.255	4.752
1.303	4.836
1.352	4.918
1.400	4.999

DESIGN ADVISE ! The head/flow characteristics of this SHE-0100-5000-1400-5000 Hydro-Brake Optimum® Flow Control are unique. Dynamic hydraulic modelling evaluates the full head/flow characteristic curve. The use of any other flow control will invalidate any design based on this data and could constitute a flood risk.

DATE	17/09/2019 12:57
Site	MMU BIRLEY FIELDS
DESIGNER	Adam Hogan
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Hydro
International

SHE-0100-5000-1400-5000
Hydro-Brake Optimum®

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C02	UPDATED TO COMMENTS FROM 29.09.19	14/10/19	MW	MW
C01	ISSUED FOR CONSTRUCTION	19/09/19	MW	CG

Rev:	Description:	Date:	By:	Chkd:
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Civils & Structures • Transport Planning • Environmental • Infrastructure • Geotechnical • Conservation & Heritage • Principal Designer
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Status:

CONSTRUCTION

Project:
MMU BIRLEY FIELDS
STUDENT ACCOMMODATION

Orig Title:
DRAINAGE DETAILS
SHEET 5

Project No:	Size:	Date:	Drawn By:	Designed By:	Checked By:
067709	A1	19/09/19	MJ	MJ	CG
Scale:	1:20				

Project Code: Originator: Zone: Level: Type: Discipline: Category / Number: Rev:

BF - CUR - XX - ZZ - DR - C - 90014 -C02