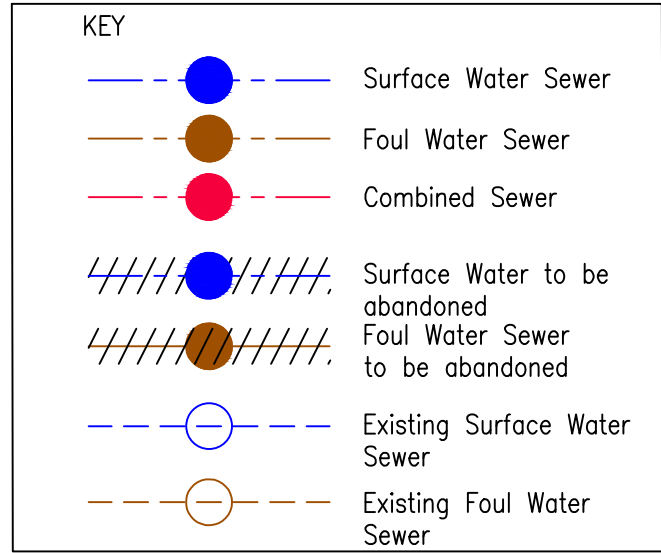




NOTE:
Surface water pipes to be 100mmØ uPVC @ 1:80 unless specified otherwise.

Foul drain pipes to be 100mmØ uPVC @ 1:60 unless specified otherwise.

All external/floor levels to be confirmed by architect at detailed design stage.

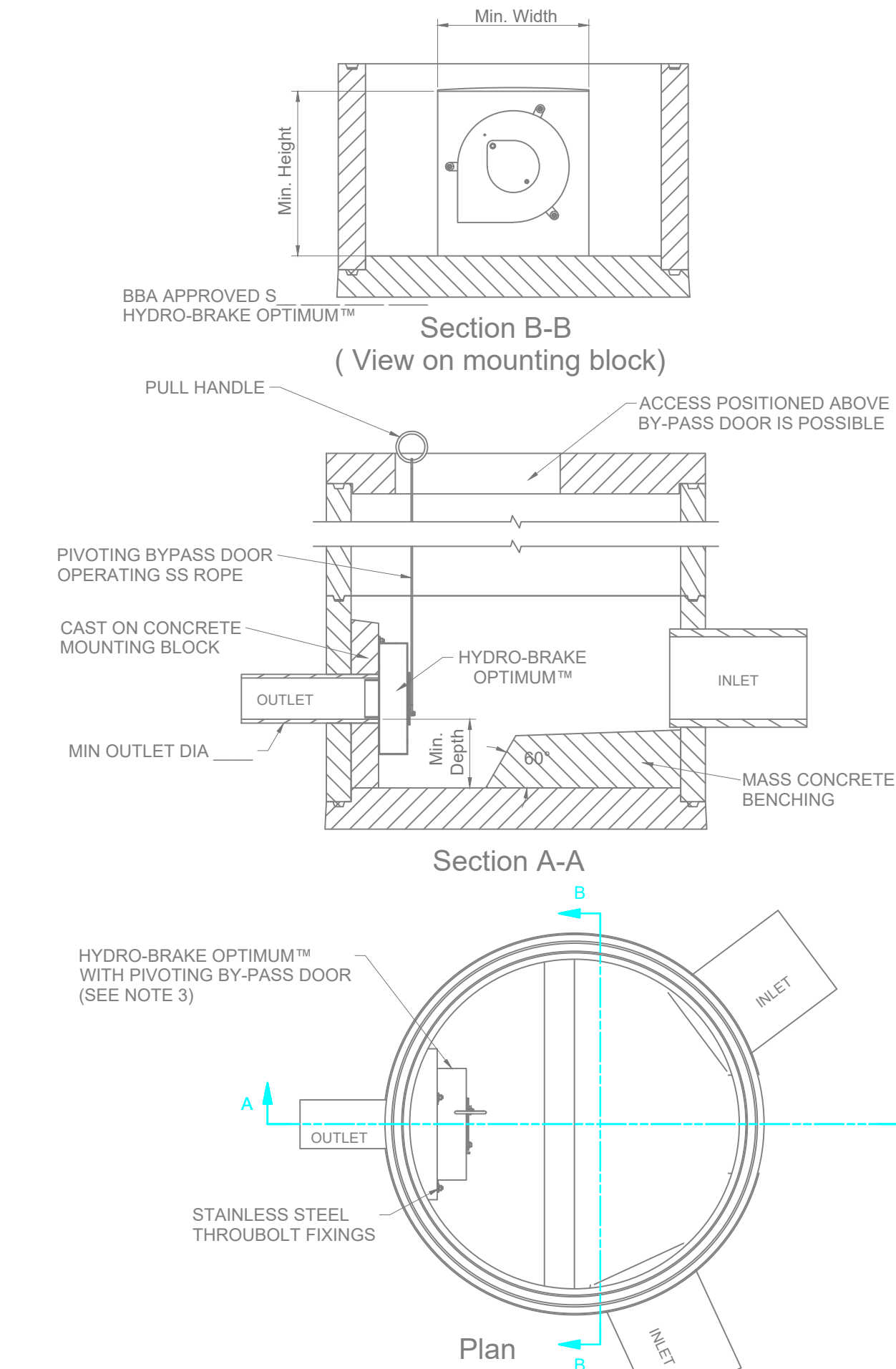
All sewer closures/diversion agreements to be in place and agreed with service provider prior to works on site.

Positions of all RW/SVP/SS points to be confirmed by Architect.

Surface water discharge to be confirmed/agreed by LA/UA. Allow for replacement of existing if required.

Any existing site drainage to be confirmed

* All interpolated Invert levels to be checked and confirmed on site prior to any drainage related works.



NOTE - A pre-formed Hydro-Brake® Chamber Base is available from Hydro International with Hydro-Brake Optimum™ pre-fitted

Manhole Number	Manhole Type	Manhole Size	Cover Level	Invert level incoming	Invert level outgoing	Min BSEN cover class
IC F1	IC	315Ø	0.000	-0.920 -100Ø	-0.920 -100Ø	D400
MH C1	CONC	1200Ø	0.000	-1.200 -100Ø -1.200 -150Ø	-1.200 -150Ø	D400

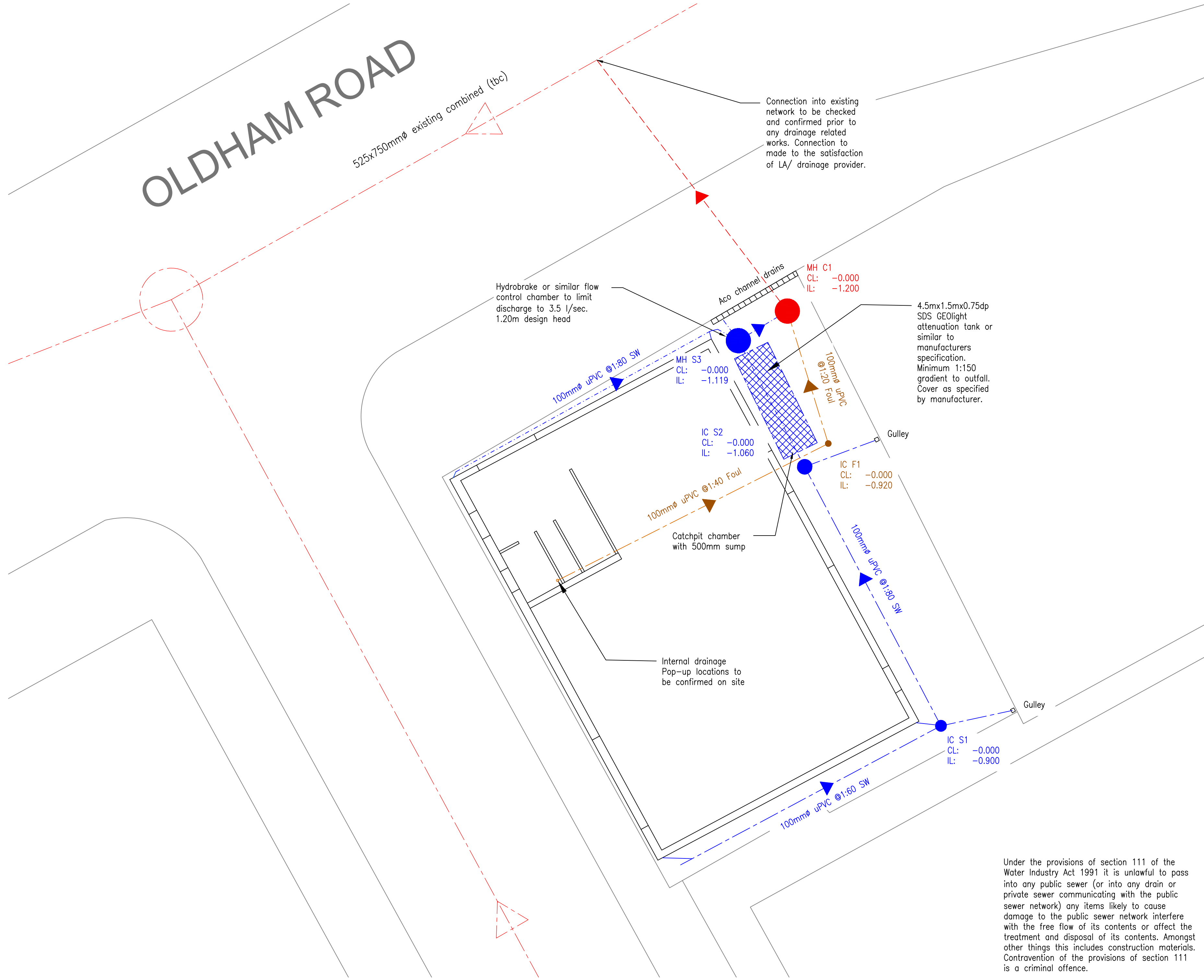
Foul water manhole schedule

Manhole Number	Manhole Type	Manhole Size	Cover Level	Invert level incoming	Invert level outgoing	Min BSEN cover class
IC S1	PPIC	315Ø	0.000	-0.900-100Ø -0.900-100Ø -0.900-100Ø	-0.900-100Ø	D400
IC S2	PPIC	600Ø	0.000	-1.060 -100Ø -1.060 -100Ø	-1.060 -100Ø	D400
MH S3	H-BRAKE	1200Ø	0.000	-1.119 -150Ø -1.119 -100Ø -1.119 -100Ø	-1.169 -150Ø	D400

Surface water manhole schedule

Under the provisions of section 111 of the Water Industry Act 1991 it is unlawful to pass into any public sewer (or into any drain or private sewer communicating with the public sewer network) any items likely to cause damage to the public sewer network interfere with the free flow of its contents or affect the treatment and disposal of its contents. Amongst other things this includes construction materials. Contravention of the provisions of section 111 is a criminal offence.

NOTE:
COVER LEVEL DATUM ASSUMED AS 0.000. ACTUAL LEVEL TO BE CONFIRMED AND VERIFIED ON SITE



Drainage Notes

- Do not scale this drawing. The contractor is to check all dimensions on site before carrying out the works.
- This drawing is to be read in conjunction with the Architects drawings which should be used to verify the layout, setting out, finishes etc. Any discrepancies are to be brought to the attention of the Architect prior to construction.
- All building drainage works shall be carried out in accordance with the current british/european standards bsen752, the current building regulations and the local authority building control or nhbc specifications and requirements.
- For external finished ground levels refer to architects external works drawing.
- Surface water pipes to be 100mmØ uPVC @ 1:80 unless specified otherwise.
- Foul drain pipes to be 100mmØ uPVC @ 1:60 unless specified otherwise.
- All external/floor levels to be confirmed by architect.
- All public sewer closures/diversion agreements to be in place and agreed with service provider prior to works on site.
- All drains to have concrete slab cover over where crossing roads.
- All existing site drainage levels and pipework to be checked and confirmed as adequate.
- All pipes 300Ø and less to be laid at manholes with inverts level, 375Ø and greater at soffits level unless otherwise stated.
- Pipework to be laid to inverts shown on schedule.
- All cover levels to manholes are approximate only and may be adjusted on site to tie in with architects proposed levels.
- Internal drainage points to be confirmed by architect. rainwater pipe outlets to be roddable.
- For all setting out, dimensions and current site layout refer to architects drawing. do not scale from this drawing.
- Invert levels of all outfall points in road to be clarified prior to commencing drainage works.
- position size and depth of all existing drains and services shall be established prior to commencement on site and any discrepancies reported to engineer.
- The contractor shall allow for the protection, temporary and permanent support, and temporary and permanent diversion works, as necessary to all existing services
- The contractor shall allow for all traffic management in connection with road and sewer works
- The contractor shall allow for keeping trenches and excavations as dry as practicable by pumping from temporary sumps and dewatering as appropriate. the point and method of discharge to be agreed with the drainage authority and environment agency
- Contractor to apply for sewer permits and road opening permits as necessary from the appropriate authorities, prior to commencing works.

Disclaimer

The information contained in this drawing has been compiled during the course of the design and is offered to assist the contractor in the planning and construction of the work. much of the information has been compiled from data received from utility companies and other bodies and has not been checked. there could be errors in the data received or in the interpretation of the data when transferring it to this drawing. up to date utilities drawings must be obtained by the contractor from the utilities supplier.

Preliminary

P02	NM	01.06.23	Updated attenuation
P01	CT	27.06.22	Preliminary Issue
Mark	Made by	Date	Revision
Job Title			
804-806 Oldham Rd Newton Heath Manchester			Job No. 20-296
			Drawing No. D01
			Revision P02
Drawing Title			Date 27.06.22
Proposed Drainage Plan			Drawn By CT
			Checked NM



The Old Hall, 23 Park Road,
Bingley, West Yorkshire, BD16 4BQ

01274 566696
mail@holdgateconsulting.com

Scale as shown @A1

TYPICAL HYDROBRAKE FLOW CONTROL DETAILS