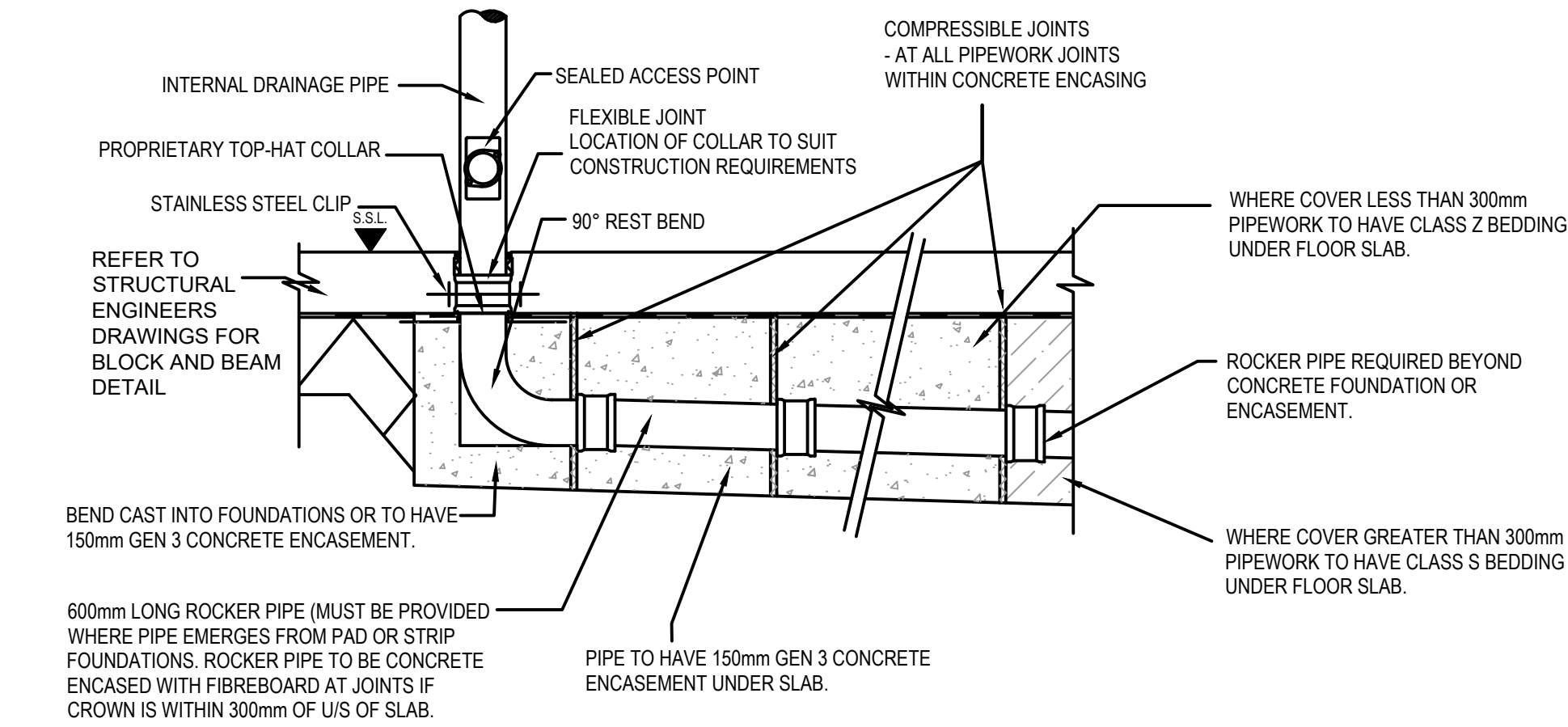
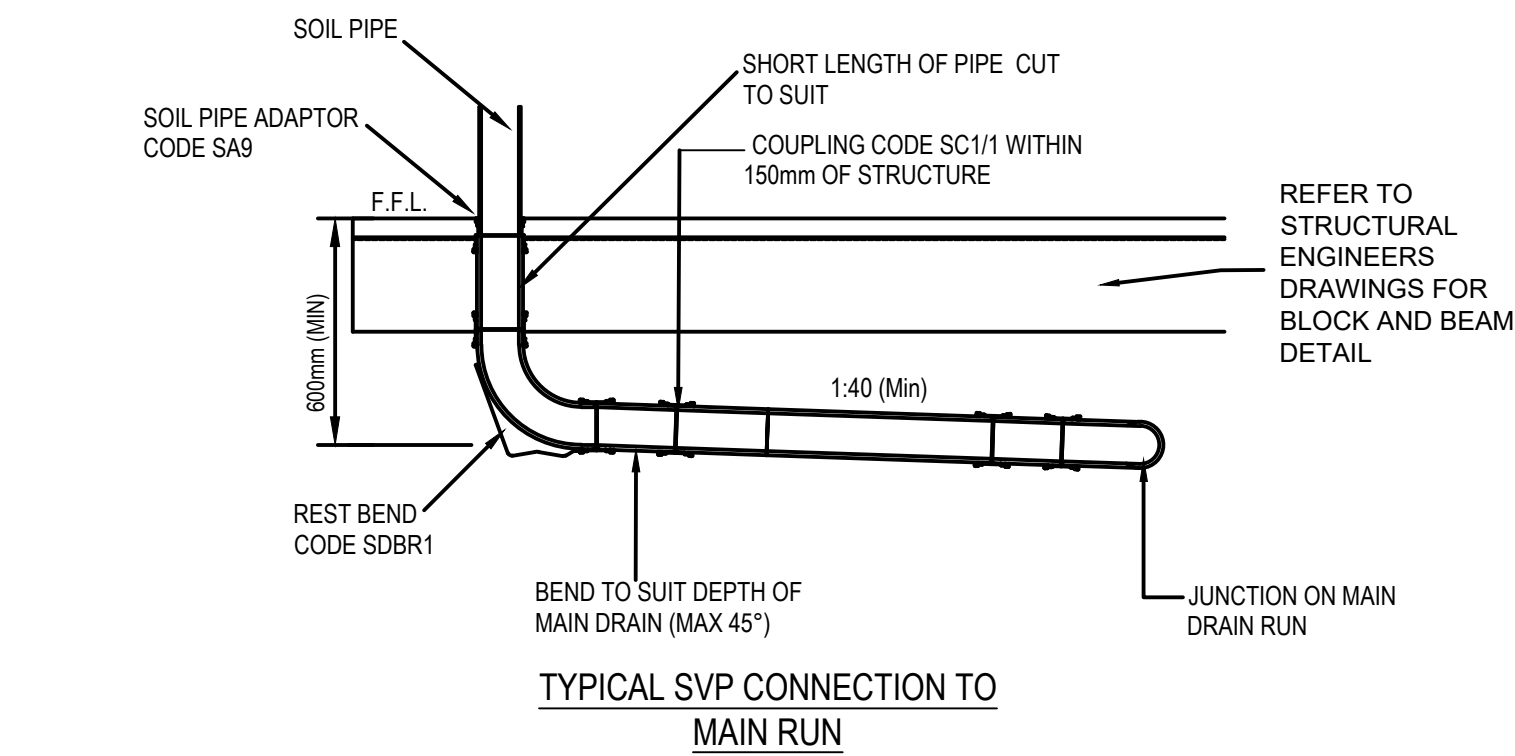
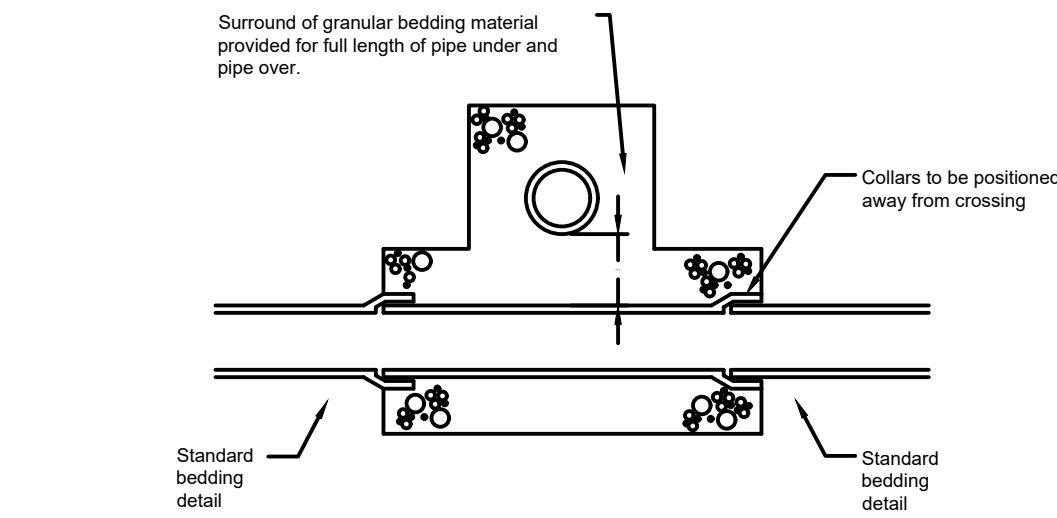




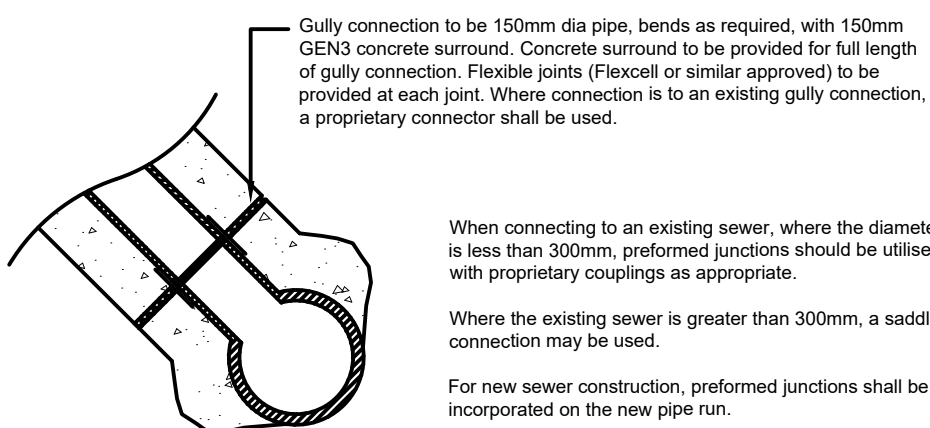
DRAINAGE UNDER BUILDINGS



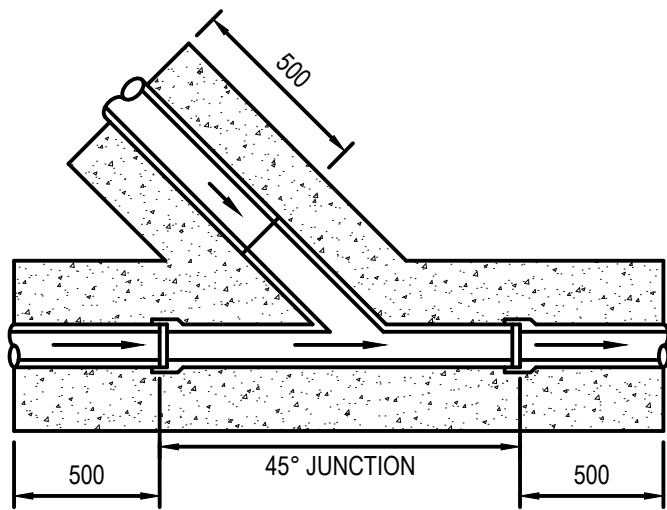
TYPICAL SVP CONNECTION TO MAIN RUN



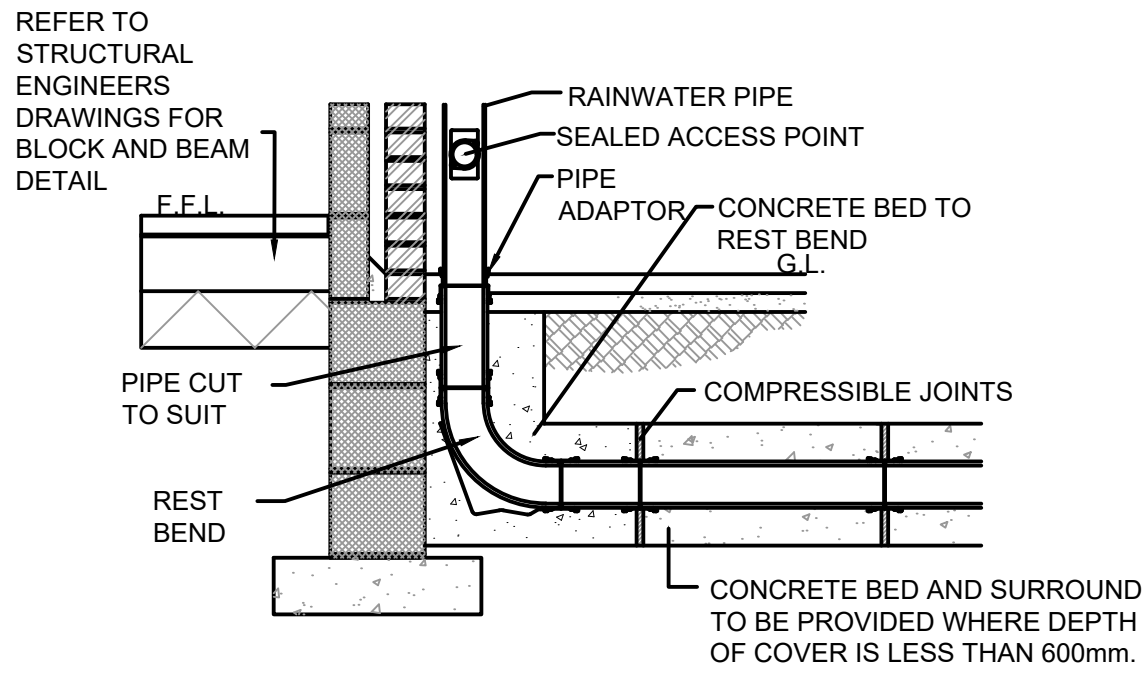
PIPE CROSSINGS DETAIL



SADDLE CONNECTION TO EXISTING SEWER

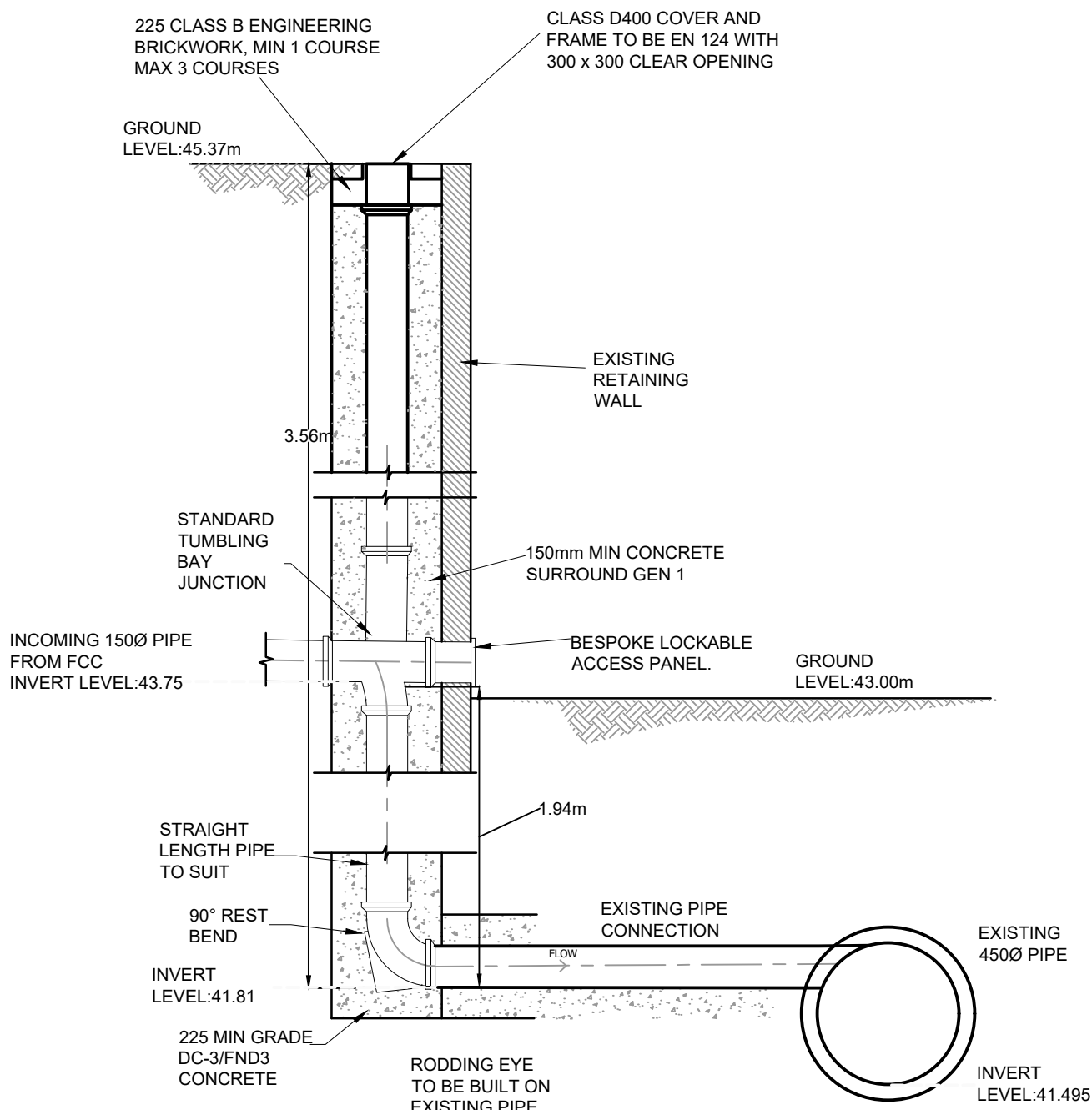


TYPICAL SADDLE CONNECTION



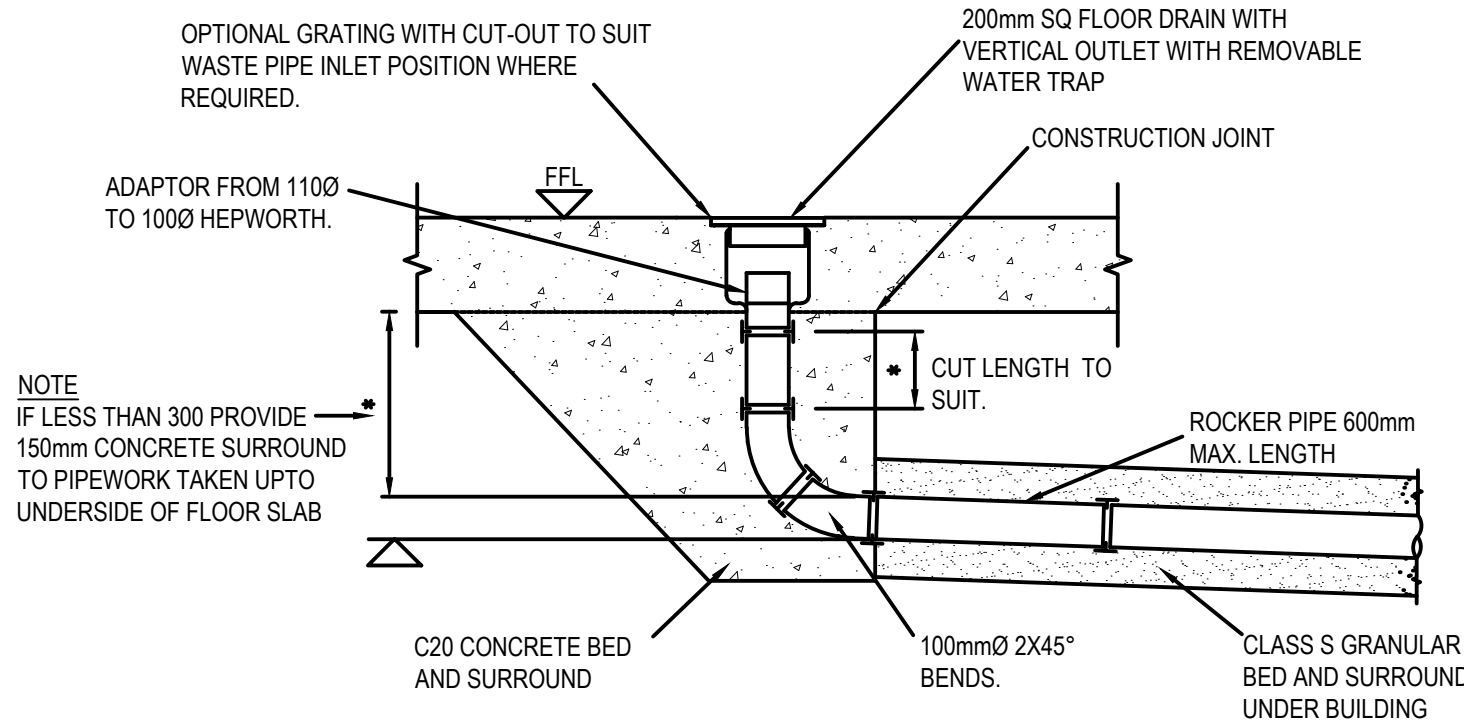
RWP CONNECTION DETAIL

(SCALE 1:20)



RODDING EYE BACKDROP DETAIL

SCALE 1:20



TYPICAL INTERNAL FLOOR DRAIN

Technical Specification

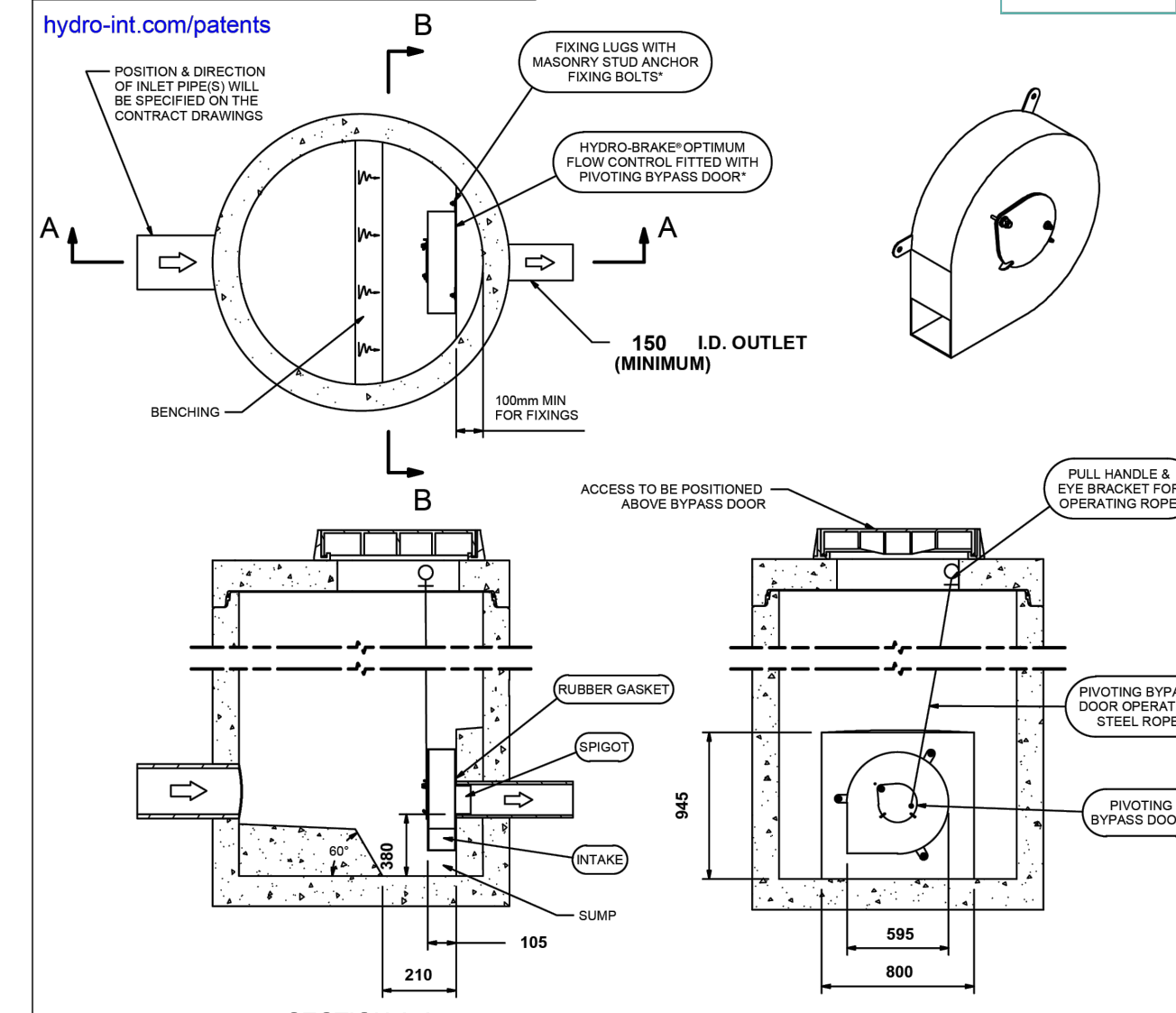
Control Point	Head (m)	Flow (l/s)
Primary Design	1.500	5.000
Flush-Flo™	0.431	4.879
Kick-Flo®	0.878	3.900
Mean Flow		4.321

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



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IMPORTANT: LIMIT OF HYDRO INTERNATIONAL SUPPLY THE DEVICE WILL BE HANDLED 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.

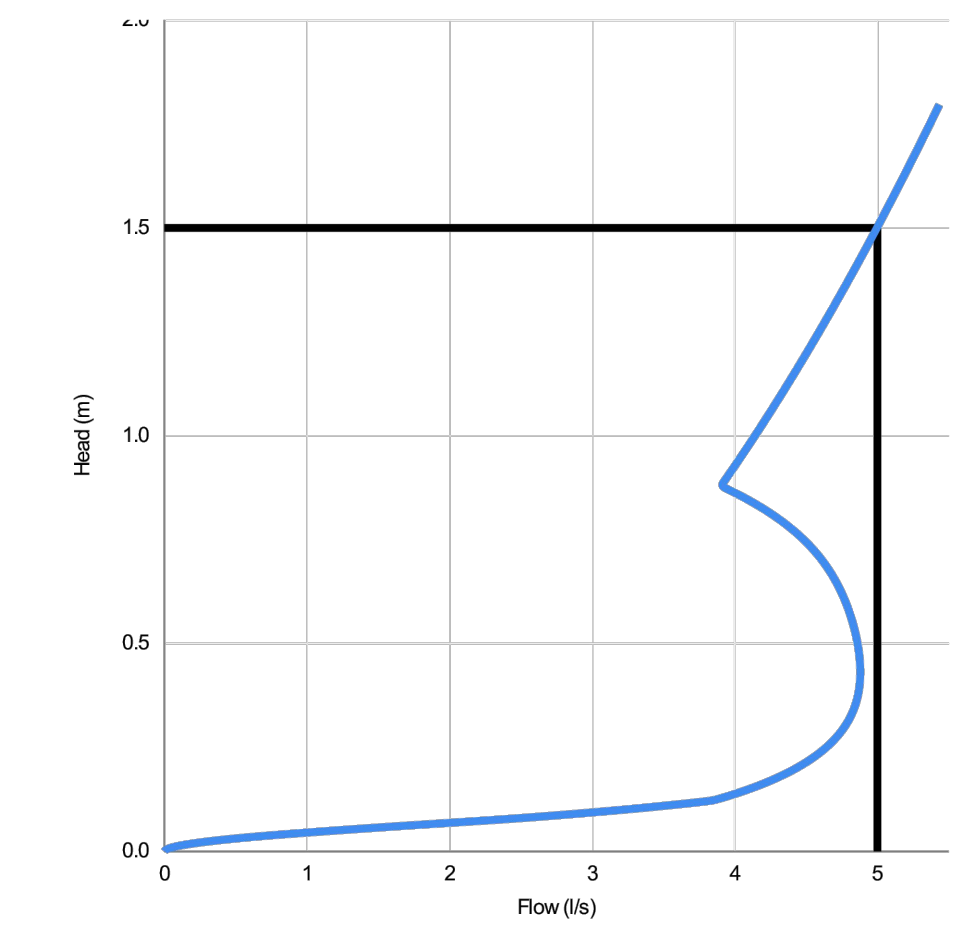
DESIGN ADVICE	The head/flow characteristics of this SHE-0098-5000-1500-5000 Hydro-Brake® Optimum Flow Control are unique. Dynamic hydraulic modelling evaluates the full head/flow characteristic curve. The use of any other flow control will invalidate any design based on this data and could constitute a flood risk.	Hydro International A GEM COMPANY
DATE	07/12/2023 12:25	SHE-0098-5000-1500-5000 Hydro-Brake® Optimum
SITE	Paradise Mews	
DESIGNER	Alexa Abbot	
REF	1-21074	
© 2023	Hydro International Ltd • Unit 2, Rivermead Court • Kern Business Park • Windmill Road • Kern, Clevedon • B821 8PT • Tel: 01275 876321 • Fax: 01275 876321 • Email: Enquiries@hydro-int.com	
alex.a@clancy.co.uk		

Technical Specification

Control Point	Head (m)	Flow (l/s)
Primary Design	1.500	5.000
Flush-Flo	0.431	4.879
Kick-Flo®	0.878	3.900
Mean Flow		4.321



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Head (m)	Flow (l/s)
0.000	0.000
0.052	1.259
0.103	3.316
0.155	4.142
0.207	4.464
0.259	4.667
0.310	4.789
0.362	4.853
0.414	4.878
0.466	4.874
0.517	4.850
0.569	4.809
0.621	4.750
0.672	4.668
0.724	4.555
0.776	4.398
0.828	4.184
0.879	3.914
0.931	4.007
0.983	4.108
1.034	4.206
1.086	4.302
1.138	4.396
1.190	4.487
1.241	4.576
1.293	4.664
1.345	4.749
1.397	4.833
1.448	4.915
1.500	4.996

DESIGN ADVICE	The head/flow characteristics of this SHE-0098-5000-1500-5000 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.	Hydro International a gem company
DATE	07/12/2023 12:25	SHE-0098-5000-1500-5000 Hydro-Brake Optimum®
SITE	Paradise Mews	
DESIGNER	Alexa Abbot	
Ref	1-21074	
© 2018 Hydro International, Rivermead Court, Kern Business Park, Windmill Road, Kern, Clevedon, B821 8PT. Tel: 01275 876321 Fax: 01275 876321 Web: www.hydro-int.com Email: design@hydro-int.com		

GENERAL NOTES

1. DO NOT SCALE THIS DRAWING.
2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
3. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ENGINEERS AND ARCHITECTS DRAWINGS AND SPECIFICATIONS.
4. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ENGINEERS ATTENTION PRIOR TO COMMENCING ANY WORKS SHOWN.
5. ALL DETAILS TO BE CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL COUNCILS BUILDING CONTROL, OR ANY OTHER RELEVANT STANDARDS BODY.
6. ALL PROPRIETARY PRODUCT TO BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURERS REQUIREMENTS, INSTRUCTIONS AND RECOMMENDATIONS.

DRAINAGE NOTES

1. NO WORK SHALL COMMENCE ON SITE UNTIL WRITTEN APPROVAL IS RECEIVED FROM THE ADOPTING HIGHWAY AUTHORITY, ADOPTING SEWERAGE UNDERTAKERS, ENVIRONMENT AGENCY AND/OR ANY OTHER RELEVANT AUTHORITY. WORKS UNDERTAKEN PRIOR TO APPROVAL ARE AT THE DEVELOPERS RISK AND CLANCY CONSULTING LIMITED WILL NOT BE HELD RESPONSIBLE FOR SUBSEQUENT DELAYS IN APPROVALS, REMEDIAL COSTS OR DELAYS IN LANDSCAPING.
2. ALL INVERT LEVELS OF EXISTING FOUL AND SURFACE WATER SYSTEMS ARE TO BE CONFIRMED BY THE CONTRACTOR PRIOR TO THE COMMENCEMENT OF ANY ON SITE DRAINAGE WORKS. ANY DISCREPANCY IN LEVELS IS TO BE REPORTED IMMEDIATELY TO CLANCY CONSULTING LIMITED.
3. ALL SEWERS, UNLESS AGREED OTHERWISE STATED, SHALL BE: 150mm DIA TO BE VITRIFIED CLAY, 225mm DIA TO BE VITRIFIED CLAY, 300mm DIA TO BE VITRIFIED CLAY, 375mm DIA TO BE VITRIFIED CLAY, 450mm DIA TO BE VITRIFIED CLAY, 600mm DIA TO BE VITRIFIED CLAY, 750mm DIA TO BE VITRIFIED CLAY, 900mm DIA TO BE VITRIFIED CLAY, 1050mm DIA TO BE VITRIFIED CLAY, 1200mm DIA TO BE VITRIFIED CLAY, 1350mm DIA TO BE VITRIFIED CLAY, 1500mm DIA TO BE VITRIFIED CLAY, 1800mm DIA TO BE VITRIFIED CLAY, 2100mm DIA TO BE VITRIFIED CLAY, 2400mm DIA TO BE VITRIFIED CLAY, 2700mm DIA TO BE VITRIFIED CLAY, 3000mm DIA TO BE VITRIFIED CLAY, 3300mm DIA TO BE VITRIFIED CLAY, 3600mm DIA TO BE VITRIFIED CLAY, 3900mm DIA TO BE VITRIFIED CLAY, 4200mm DIA TO BE VITRIFIED CLAY, 4500mm DIA TO BE VITRIFIED CLAY, 4800mm DIA TO BE VITRIFIED CLAY, 5100mm DIA TO BE VITRIFIED CLAY, 5400mm DIA TO BE VITRIFIED CLAY, 5700mm DIA TO BE VITRIFIED CLAY, 6000mm DIA TO BE VITRIFIED CLAY, 6300mm DIA TO BE VITRIFIED CLAY, 6600mm DIA TO BE VITRIFIED 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VITRIFIED CLAY, 103800mm DIA TO BE VITRIFIED CLAY, 104100mm DIA TO BE VITRIFIED CLAY, 104400mm DIA TO BE VITRIFIED CLAY, 104700mm DIA TO BE VITRIFIED CLAY, 105000mm DIA TO BE VITRIFIED CLAY, 105300mm DIA TO BE VITRIFIED CLAY, 105600mm DIA TO BE VITRIFIED CLAY, 105900mm DIA TO BE VITRIFIED CLAY, 106200mm DIA TO BE VITRIFIED CLAY, 106500mm DIA TO BE VITRIFIED CLAY, 106800mm DIA TO BE VITRIFIED CLAY, 107100mm DIA TO BE VITRIFIED CLAY, 107400mm DIA TO BE VITRIFIED CLAY, 107700mm DIA TO BE VITRIFIED CLAY, 108000mm DIA TO BE VITRIFIED CLAY, 108300mm DIA TO BE VITRIFIED CLAY, 108600mm DIA TO BE VITRIFIED CLAY, 108900mm DIA TO BE VITRIFIED CLAY, 109200mm DIA TO BE VITRIFIED CLAY, 109500mm DIA TO BE VITRIFIED CLAY, 109800mm DIA TO BE VITRIFIED CLAY, 110100mm DIA TO BE VITRIFIED CLAY, 110400mm DIA TO BE VITRIFIED CLAY, 110700mm DIA TO BE VITRIFIED CLAY, 111000mm DIA TO BE VITRIFIED CLAY, 111300mm DIA TO BE VITRIFIED CLAY, 111600mm DIA TO BE VITRIFIED CLAY, 111900mm DIA TO BE VITRIFIED CLAY, 112200mm DIA TO BE VITRIFIED CLAY, 112500mm DIA TO BE VITRIFIED CLAY, 112800mm DIA TO BE VITRIFIED CLAY, 113100mm DIA TO BE VITRIFIED CLAY, 113400mm DIA TO BE VITRIFIED CLAY, 113700mm DIA TO BE VITRIFIED CLAY, 114000mm DIA TO BE VITRIFIED CLAY, 114300mm DIA TO BE VITRIFIED CLAY, 114600mm DIA TO BE VITRIFIED CLAY, 114900mm DIA TO BE VITRIFIED CLAY, 115200mm DIA TO BE VITRIFIED CLAY, 115500mm DIA TO BE VITRIFIED CLAY, 115800mm DIA TO BE VITRIFIED CLAY, 116100mm DIA TO BE VITRIFIED CLAY, 116400mm DIA TO BE VITRIFIED CLAY, 116700mm DIA TO BE VITRIFIED CLAY, 117000mm DIA TO BE VITRIFIED CLAY, 117300mm DIA TO BE VITRIFIED CLAY, 117600mm DIA TO BE VITRIFIED CLAY, 117900mm DIA TO BE VITRIFIED CLAY, 118200mm DIA TO BE VITRIFIED CLAY, 118500mm DIA TO BE VITRIFIED CLAY, 118800mm DIA TO BE VITRIFIED CLAY, 119100mm DIA TO BE VITRIFIED CLAY, 119400mm DIA TO BE VITRIFIED CLAY, 119700mm DIA TO BE VITRIFIED CLAY, 120000mm DIA TO BE VITRIFIED CLAY, 1203