

Notes

1. This drawing is to be read in conjunction with all the relevant contract documentation.
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3. All dimensions are in mm unless otherwise stated. Dimensions to be checked on site prior to construction and any discrepancies reported to the Rotlon Group Engineer.
4. Only drawings that indicate CONSTRUCTION as the issue purpose should be used for construction.
5. Any CONSTRUCTION status issue does not provide or imply approval or validation of any third party information.
6. Revision clouds are shown for assistance only, the whole drawing is to be checked for new/amended information.
7. Not all hatches and linetypes shown on legends and keys may be present on this drawing. Drawings to be printed in colour by default, typical material colours are for clarity only.

SUBJECT TO S185 APPROVAL WITH SOUTHERN WATER

NOTES:-

- 1). All construction to be in accordance with Dtp "SPECIFICATION FOR HIGHWAY WORKS" and DCG dated November 2023
 - 2). The concrete specification is to be read in conjunction with SHW Cl. 2602.
 - 3). Standard mix in accordance with BS 5328.
 - 4). Granolithic screed to comply with SHW Cl. 2404 (i)
- Granular bedding **Type A** for pipes, and backfilling material for temporary drains (trench sub-drains), shall consist of aggregates from natural sources or sintered pulverized-fuel ash complying with the relevant provisions of BS 882 and BS 3797, Part 2, respectively, sized in accordance with the table below :-
- Selected fill Type B**, whether selected from locally excavated material or imported, shall consist of uniform, readily compactible material, free from vegetable matter, building rubbish and frozen material, or materials susceptible to spontaneous combustion, and excluding clay of liquid limit greater than 80 and/or plastic limit greater than 55 and materials of excessively high moisture content. Clay lumps and stones shall be retained on 75mm and 37.5mm sieves respectively.

Compacted fill **Type 1**. Type 1 granular backfill material to Department of Transport Specification for Highway Works, clause 803.

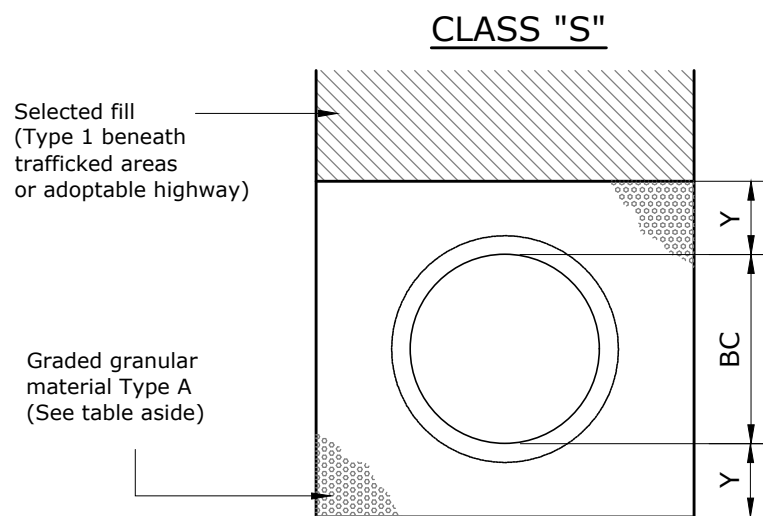
PIPE BEDDING MATERIALS

Nominal bore of pipe	Alternative aggregate sizes	APPLICATION	MIX ⁽ⁱ⁾
	Graded		
150	14 to 5	Kerb Bedding/Backing Gully Surround Saddle Surround General Pipe Surround Benching	ST2
225	20 to 5		
300	14 to 5 or 20 to 5		
375	14 to 5 or 20 to 5		
450	14 to 5 or 20 to 5		
525	14 to 5 or 20 or 40 to 5	Manhole Foundation & Surround Rodding Eye Surround Strip Drain Surround	GRANOLITHIC SCREED ⁽ⁱ⁾ ST4
600	14 to 5 or 20 or 40 to 5		
Over 600	14 to 5 or 20 or 40 to 5		

TRENCH WIDTHS

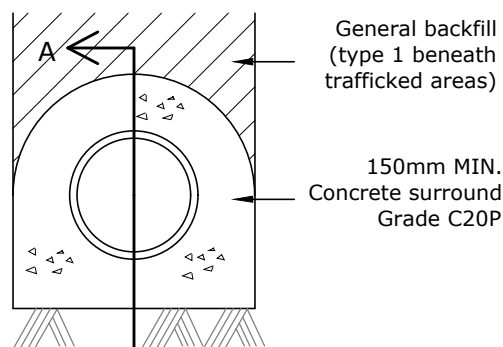
NOMINAL PIPE SIZE DN mm	PIPE OUTSIDE DIAMETER m	OVERALL TRENCH WIDTH m	NOMINAL PIPE SIZE DN mm	PIPE OUTSIDE DIAMETER m	OVERALL TRENCH WIDTH m
100	0.13	0.55	1125	1.39	2.20
150	0.19	0.60	1200	1.49	2.30
225	0.28	0.70	1350	1.65	2.50
300	0.38	0.85	1500	1.83	2.70
375	0.50	1.05	1650	2.01	2.80
450	0.62	1.15	1800	2.24	3.10
525	0.67	1.20	1950	2.35	3.20
600	0.79	1.35	2100	2.55	3.40
675	0.88	1.45	2250	2.70	3.50
750	0.95	1.50	2400	2.88	3.70
825	1.04	1.60	2550	3.06	3.90
900	1.12	1.90	2700	3.24	4.10
975	1.20	2.00	2850	3.42	4.30
1050	1.30	2.10	3000	3.60	4.50

APPLICABLE UNDER TRAFFICED AREAS WHERE DRAINS HAVE COVER NOT LESS THAN 1200MM



Notes:

- 1) Backfilling to be in accordance with Dtp "Specification for Highway Works" Cl. 505
- 2) Dimension Y: in soils use BC/6 or 100mm under barrels, and 50mm min. under sockets, whichever is the greater (400mm max.) in rock etc. use BC/4 and 150mm min. under sockets (400mm max.)
- 3) Where appropriate geotextiles may be used to contain bedding material e.g. in running sand
- 4) Alternative bedding details in accordance with Dtp "Highway construction details" and BS 8301 to be to Engineers approval
- 5) Backfill beneath adoptable Highway to be compacted Type 1 granular material to Highway Engineers approval

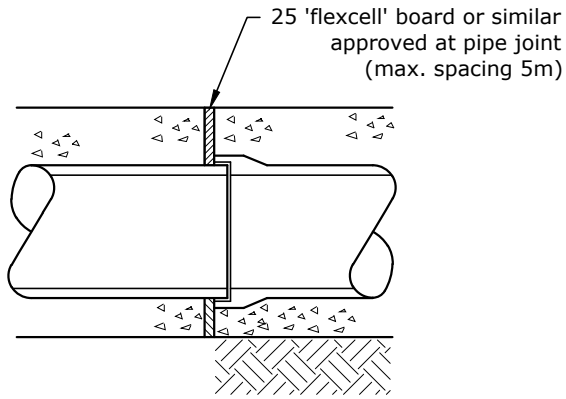


Notes:

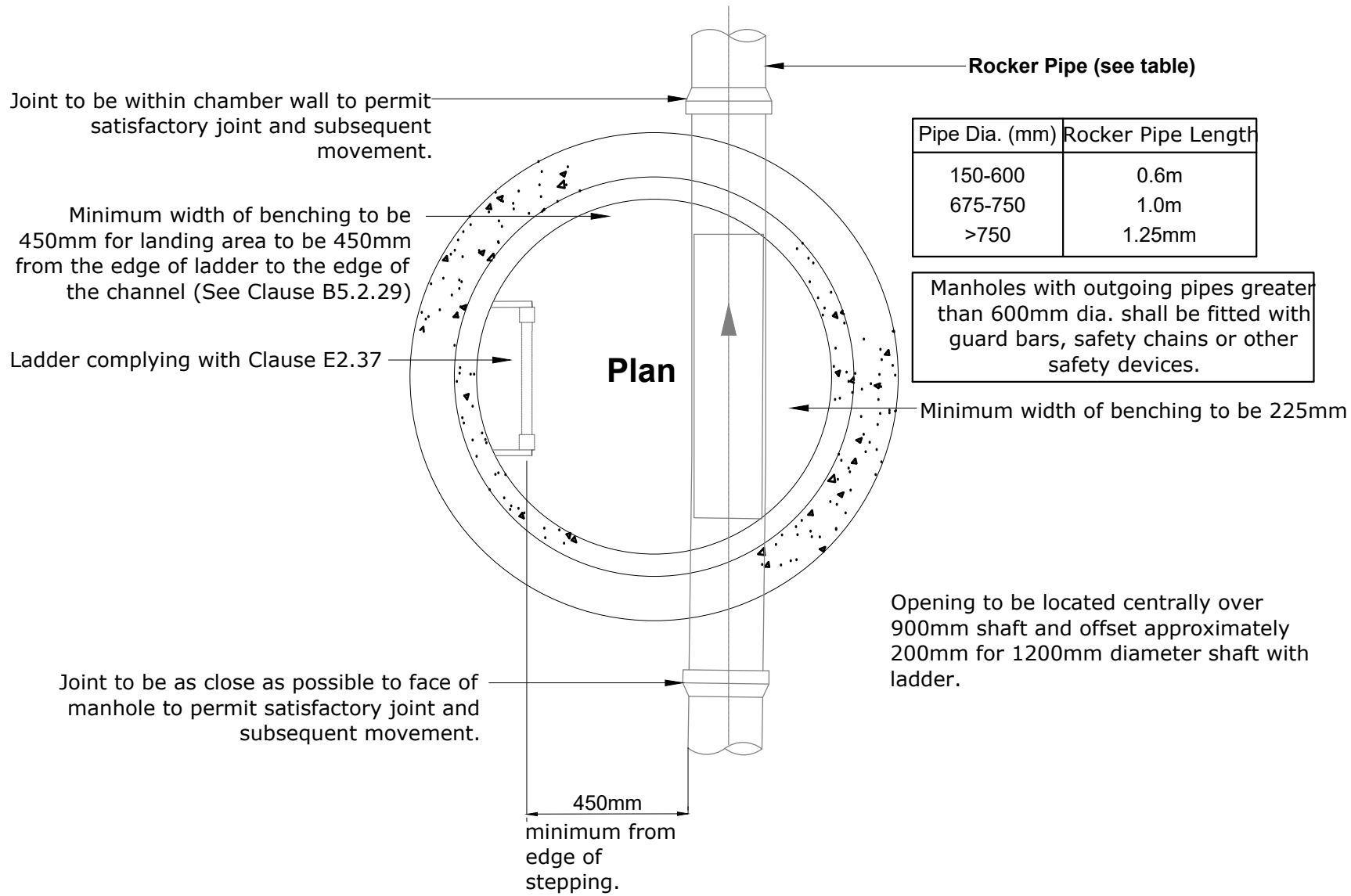
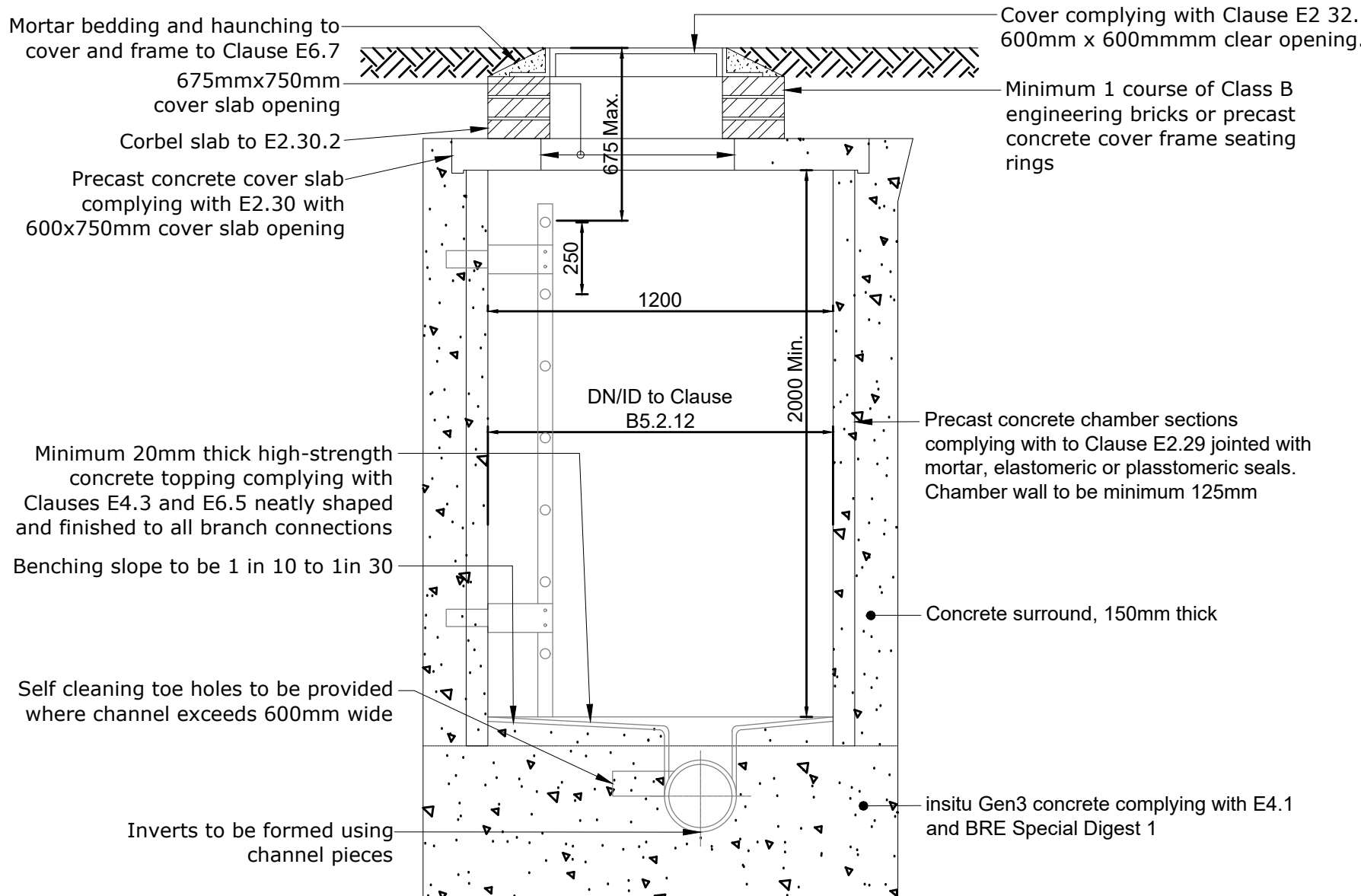
- 1) This bedding type for use with rigid pipes only, v.c. to BS 65 or PCC to BS 5911
- 2) Backfilling to be in accordance with Dtp "Specification for Highway Works" Cl 505

CLASS "Z" SURROUND

APPLICABLE UNDER FOOTPATHS, VERGES AND OTHER NON-TRAFFICKED AREAS WHERE DRAINS HAVE LESS THAN 600MM COVER, OR TRAFFICKED AREAS WITH COVER OF LESS THAN 1200MM



SECTION A-A: DETAIL OF PIPE JOINT



Type A - Typical Manhole Detail

Depth from cover level to soffit of pipe 3m to 6m with ladder.
Rigid material construction with concrete surround.

N.T.S

DO NOT SCALE

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Standard construction hazards that a competent contractor would be aware of have not been identified on this drawing. Risks that may not be immediately apparent are listed below.

- Unknown services
- Ground water

Status	Date	Description	Dwn Eng Chkd Veri
D2-P01	30.08.24	Issued for tender	DLe DLe BHo BHo



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Project:
Sytner Group Porsche
Mid Sussex
New Dealership & Workshop Facility

Drawing Title:
Section 185 Works
Sheet 2

RGL Project Ref: 23-0466	Scale@A1 Varies	Scale@A3 Varies
Specification(s):		

Drawing Number: 230466-RGL-ZZ-XX-DR-D-140-2002 Project-Originator-Zone-Level-Type-Role-Classification-Number	Status: D2-P01 Suitability-Revision
Issue Purpose: TENDER	