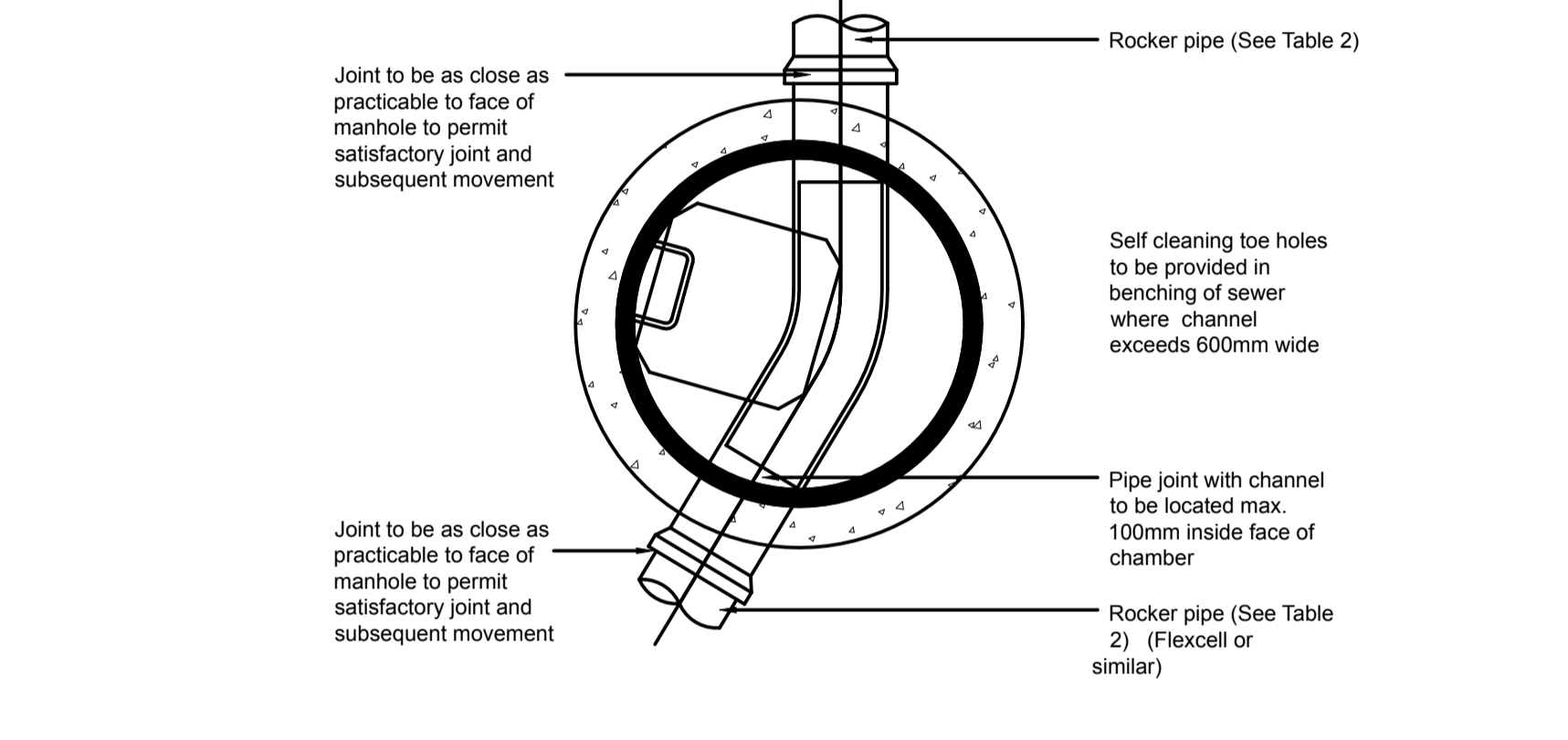
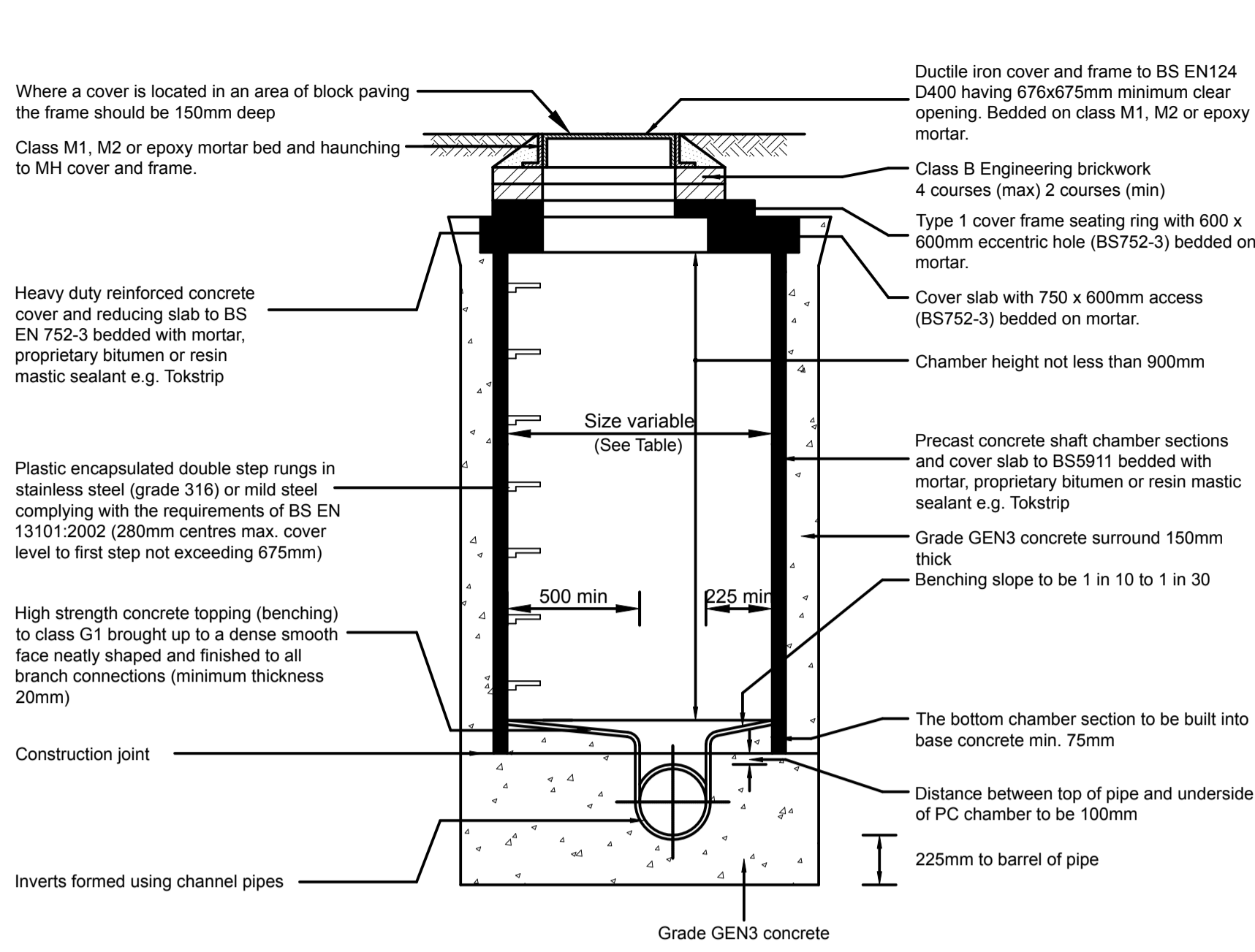


TYPICAL MANHOLE DETAIL - TYPE A
DEPTH TO SOFFIT 3.0m - 6.0m



TYPICAL MANHOLE DETAIL - TYPE B
DEPTH TO SOFFIT 1.5m - 3.0m

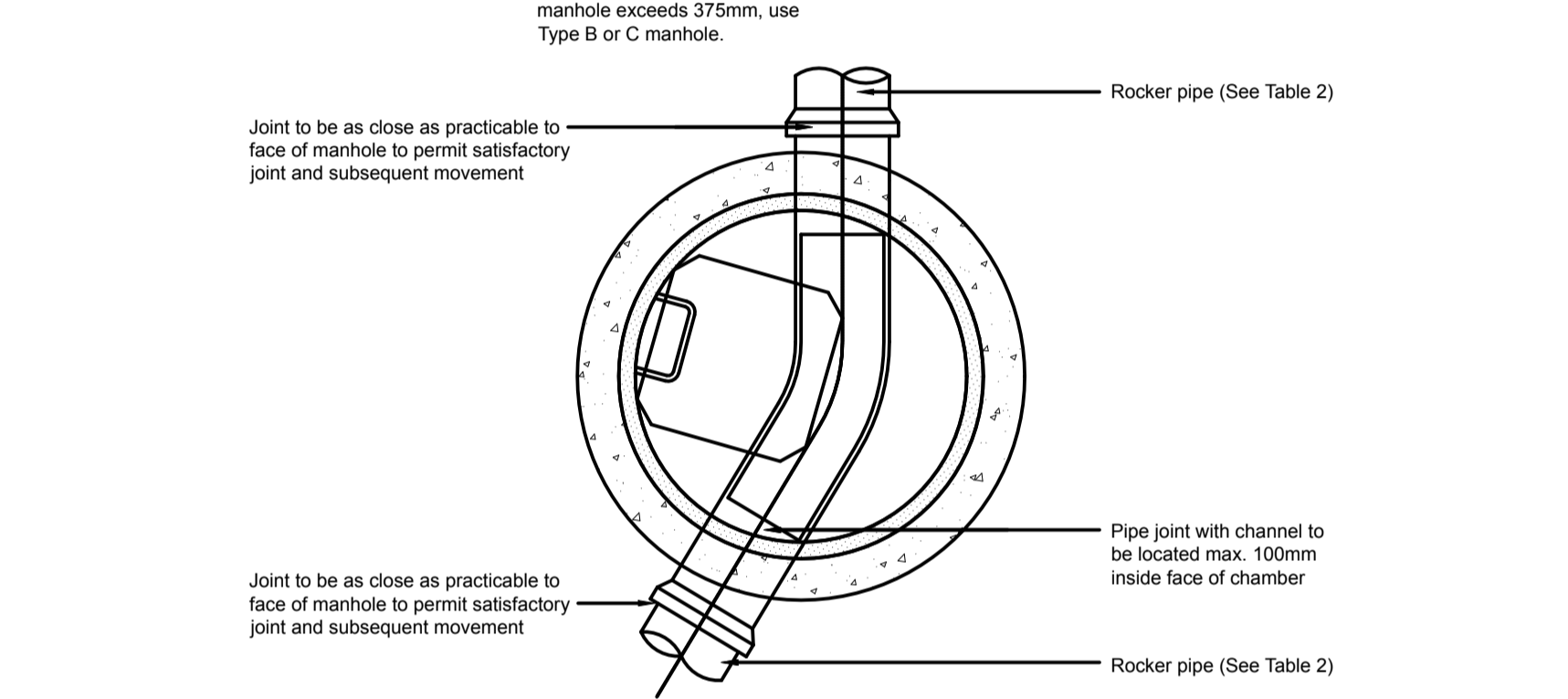
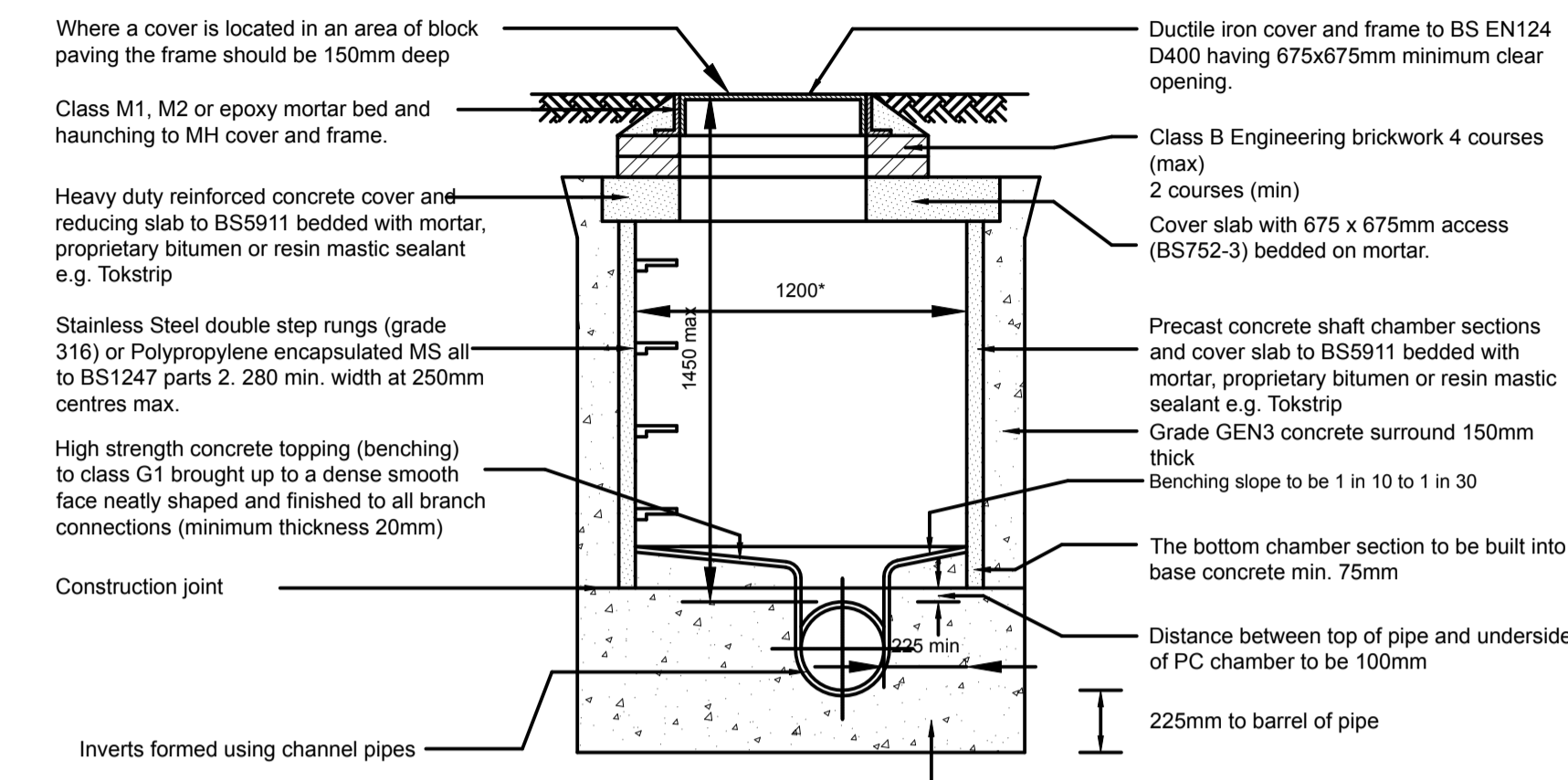
Table 1

Dia. of largest pipe in manhole.	Chamber section diameter.
Less than 375mm	1200
375 - 700	1500
750 - 900	1800

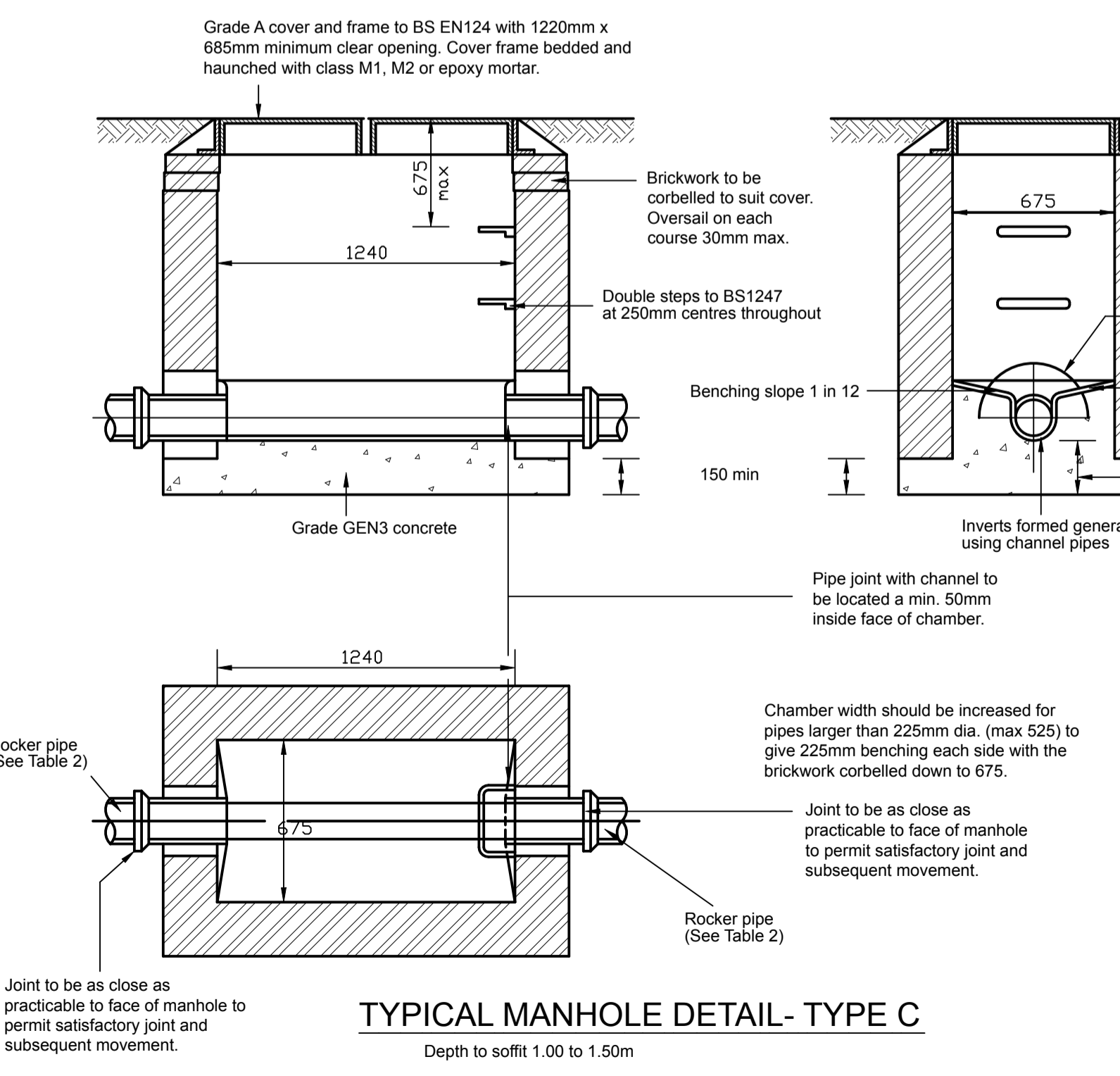
NB. The above sizes are minimums. If two pipes enter the manhole, the chamber size must be sufficient to accommodate adequate benching. All pipes built into the manhole invert should be installed with soffits level.

Table 2

Pipe Dia.	Rocker Pipe Length
150-600	0.60m
675-750	1.00m
825 and over	1.25m



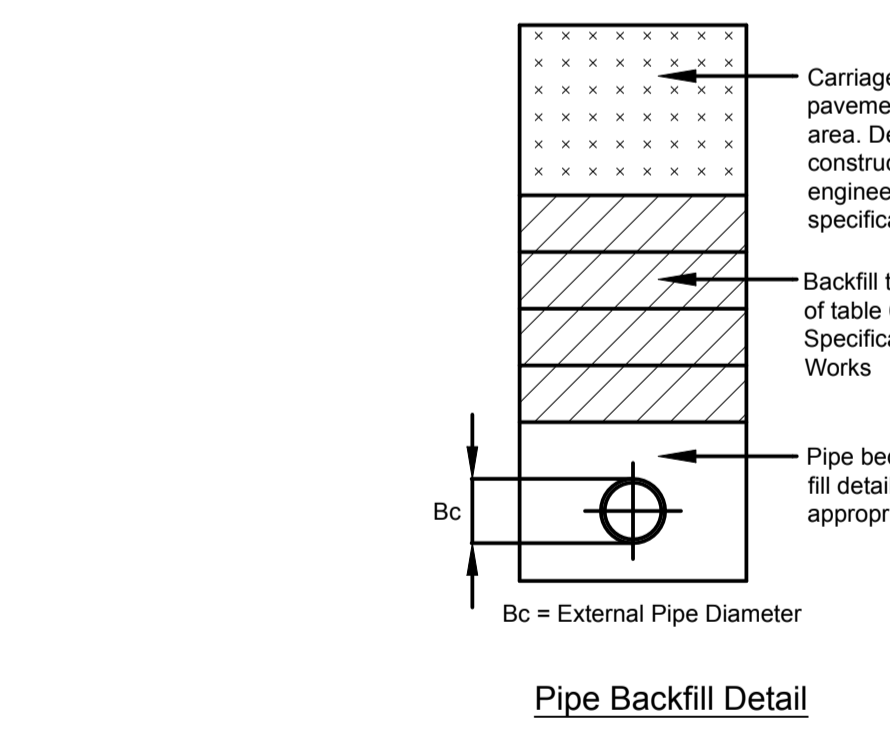
TYPICAL MANHOLE DETAIL - TYPE E
DEPTH TO SOFFIT 1.0m - 1.5m



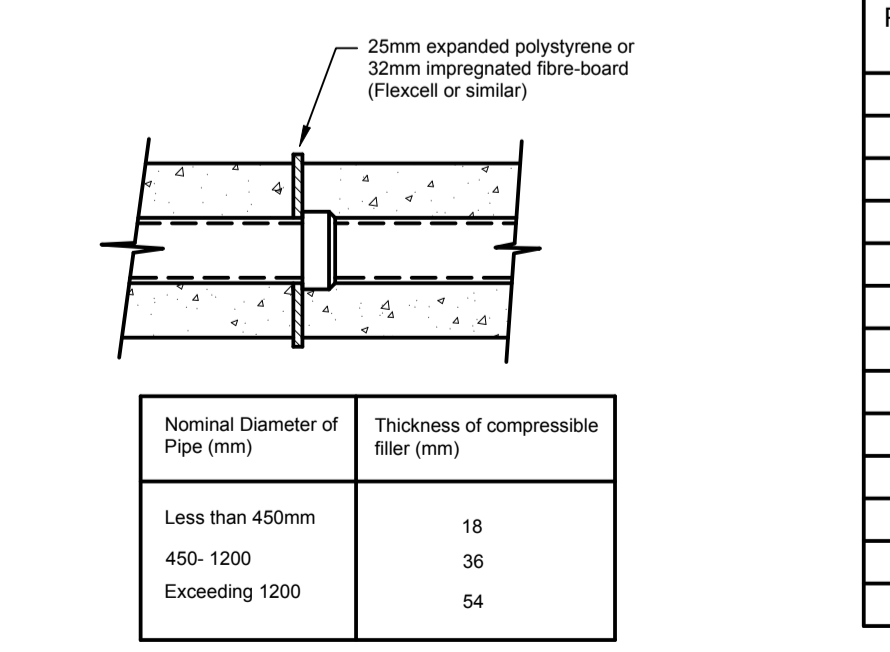
TYPICAL MANHOLE DETAIL - TYPE C
Depth to soffit 1.00 to 1.50m

PERMITTED PIPE MATERIALS

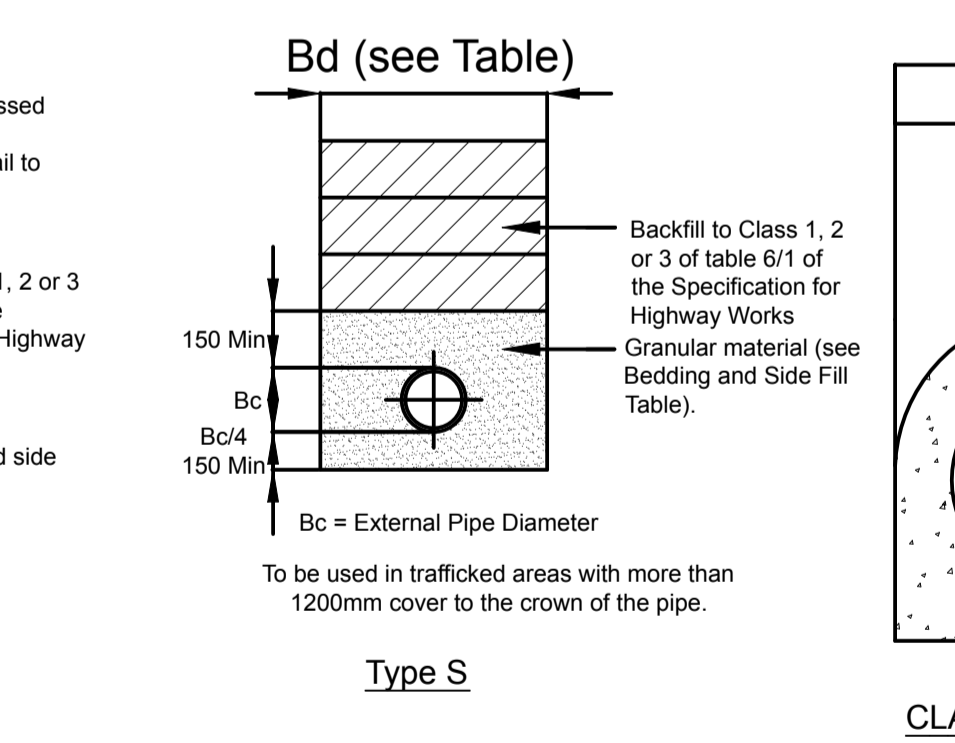
- Vitrified Clay (100mm - 300mmØ)**
Pipes for foul sewers and surface water sewers shall comply with the relevant requirements of BS EN 295 and BS 65 (surface water pipes only). Vitrified clay pipes and fittings for sewers shall have flexible mechanical joints.
- Concrete (300 - 600mmØ)**
Unreinforced and reinforced concrete pipes and fittings with flexible joints shall comply with the relevant provisions of BS EN 1916 and BS 5911 Part 1. All pipes and fittings shall have gasket type joints of spigot and socket or rebated form.



Pipe Backfill Detail



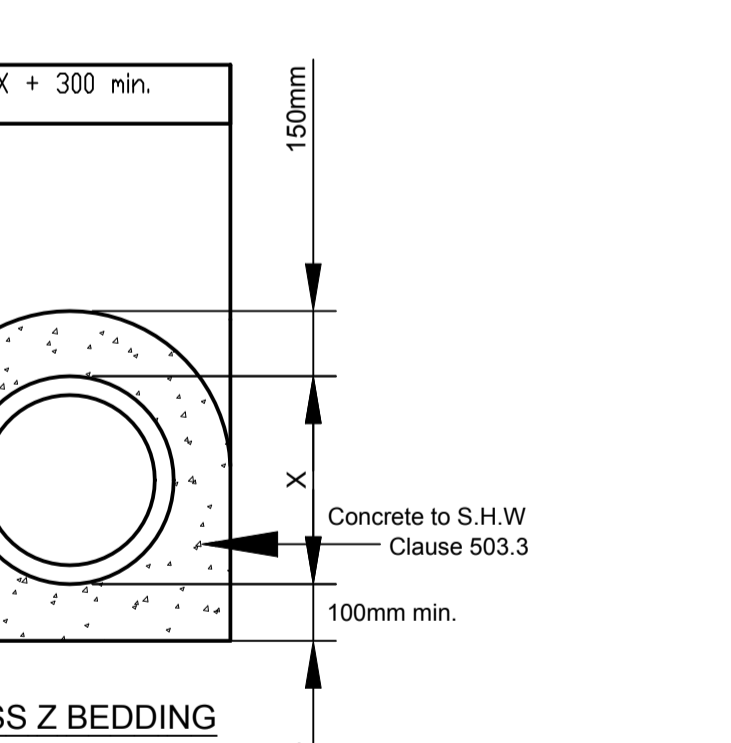
FLEXIBLE JOINT IN CONCRETE BED AND SURROUND.



Type S

Pipe Dia (mm)	Trench Width Bd(mm) Max. Measure 300mm Above Pipe Soffit
100	550
150	600
225	700
300	750
375	1050
450	1150
525	1200
600	1350
675	1450
750	1500
825	1600
900	1900
1000	2000

Trench Width Table
PIPE BEDDING SPECIFICATION



CLASS Z BEDDING

Pipe Dia (mm)	Alternative Aggregate Sizes (mm)	
	Single-sized	Graded
100	10	-
150	10 or 14	14 to 5
225 - 300	10, 14 or 20	14 to 5 or 20 to 5
375 - 525	14 or 20	14 to 5 or 20 to 5
>525	14, 20 or 40	14 to 5, 20 to 5 or 40 to 5

Granular pipe bedding and side fill material 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 above.

Type S Bedding and Side Fill Table

Consultant

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- Prior to commencing any drainage works, the Developers contractor must satisfy themselves, Local Authority and Barter Hill of actual levels, type, size and condition of existing sewers.
- All adoptable drainage to be installed/constructed to 'Sewers for Adoption 6th Edition' standards and in accordance with Adopting Body's additions and deletions document.
- Connections to the existing sewers shall be subject to the approval of Southern Water and shall be carried out by a contractor approved by Southern Water. The contractor shall comply with the requirements of Southern Water with regards to submitting method statements, risk assessments etc for obtaining a 'permit to work' on the existing sewer.
- Where possible orientation of manhole access covers to be orthogonal with adjacent kerb line.
- Manhole covers to be set flush with binder course on new road construction and raised to final levels when surface course is laid at later date.
- Sulphate resisting cement and concrete products to be used for foul sewerage.
- All pipes entering or leaving manholes shall be laid with their soffits level, unless shown or agreed otherwise.
- Gully connections to be 150mm Dia at a gradient no flatter than 1 in 150 unless stated otherwise.
- The private foul and storm water drainage shall be subject to inspections by the local building control officer. The contractor shall liaise with the building inspector with regard to making inspections at the appropriate stages of the work.
- All private foul and storm water sewers shall be 100/110mm dia clayware or PVC unless stated otherwise. Storm sewers shall be laid at a gradient no flatter than 1 in 100, and foul sewers to a gradient no flatter than 1 in 80 unless stated otherwise on the drawings.

- PROTECTION TO ADOPTABLE SEWERS:-**
- Type S bedding to be used in non-trafficked areas.
 - Type S bedding to be used in trafficked areas where the cover to the crown of the sewer is greater than or equal to 1200mm.
 - Concrete Slab Protection to be provided in trafficked areas where the cover to the crown of the sewer is less than 1200mm.

P1	Planning Issue.	12-05-21	AR	JR
Issue	Note	Date	Drawn	Chker

Construction Issue

CHARTWAY CONSTRUCTION

Project:
• Land at Thanet Way
• Whitstable, Kent
• Phase 2

Title:
• Drainage, Infrastructure
• Standards, Sheet 1

Scale: NTS	CAD File No: CON597-3320
Date: May 2021	Design: JW Drawn: AR Checker: JR Issue: 01
Drawing No: CON597 - 3331	Revision: P1