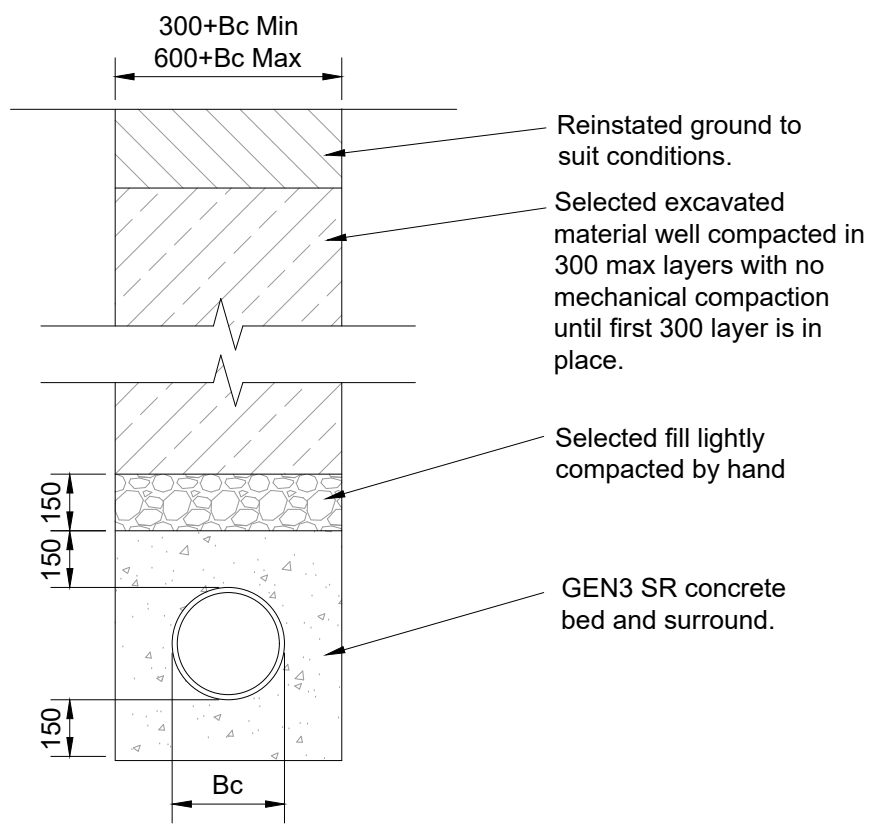
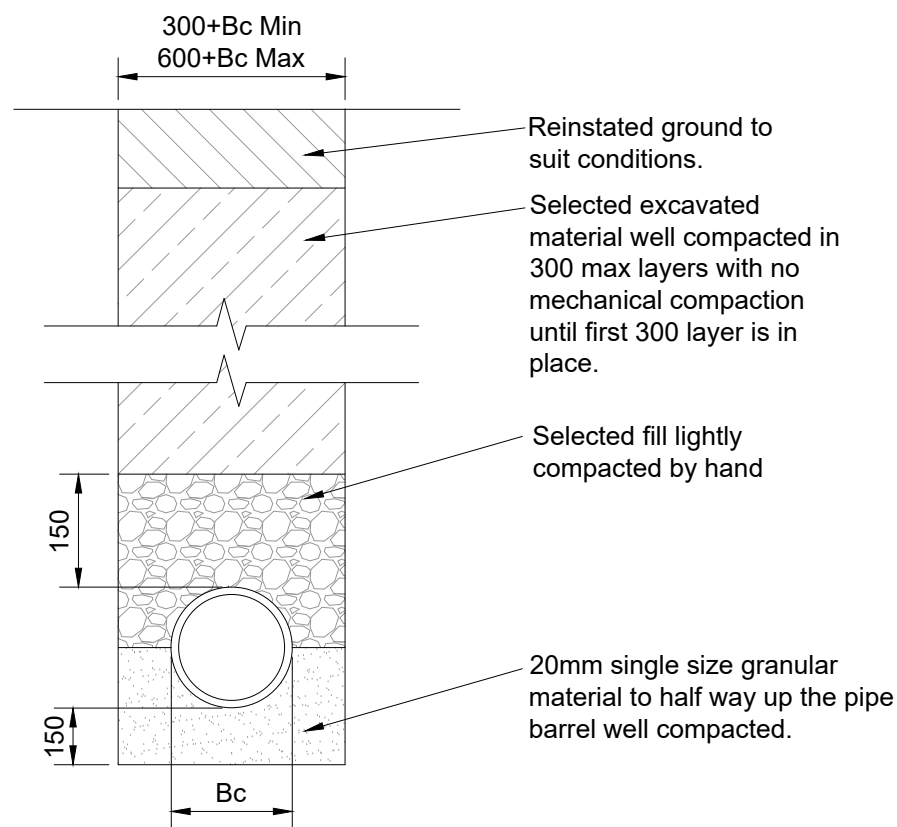




Concrete Surround

Scale: 1:20

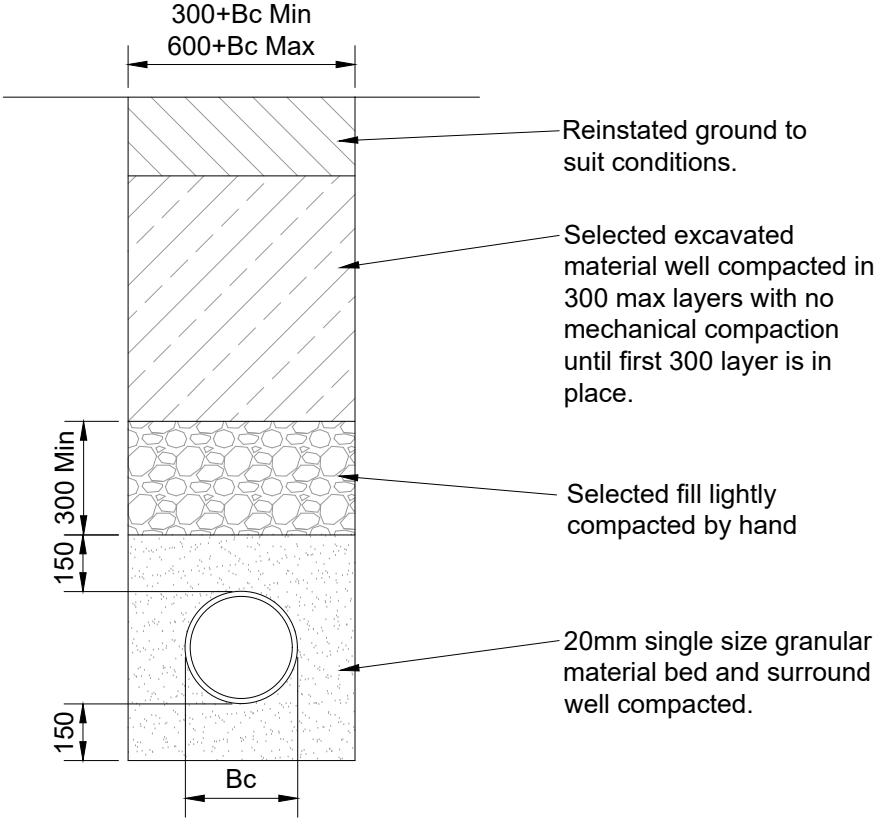
Trench Widths for Poly Pipe		
Pipe Diameter	Min Width	Max Width
100	450	750
150	500	800
225	600	900
300	700	1000
375	750	1050
450	850	1150



Class B Bedding

Scale: 1:20

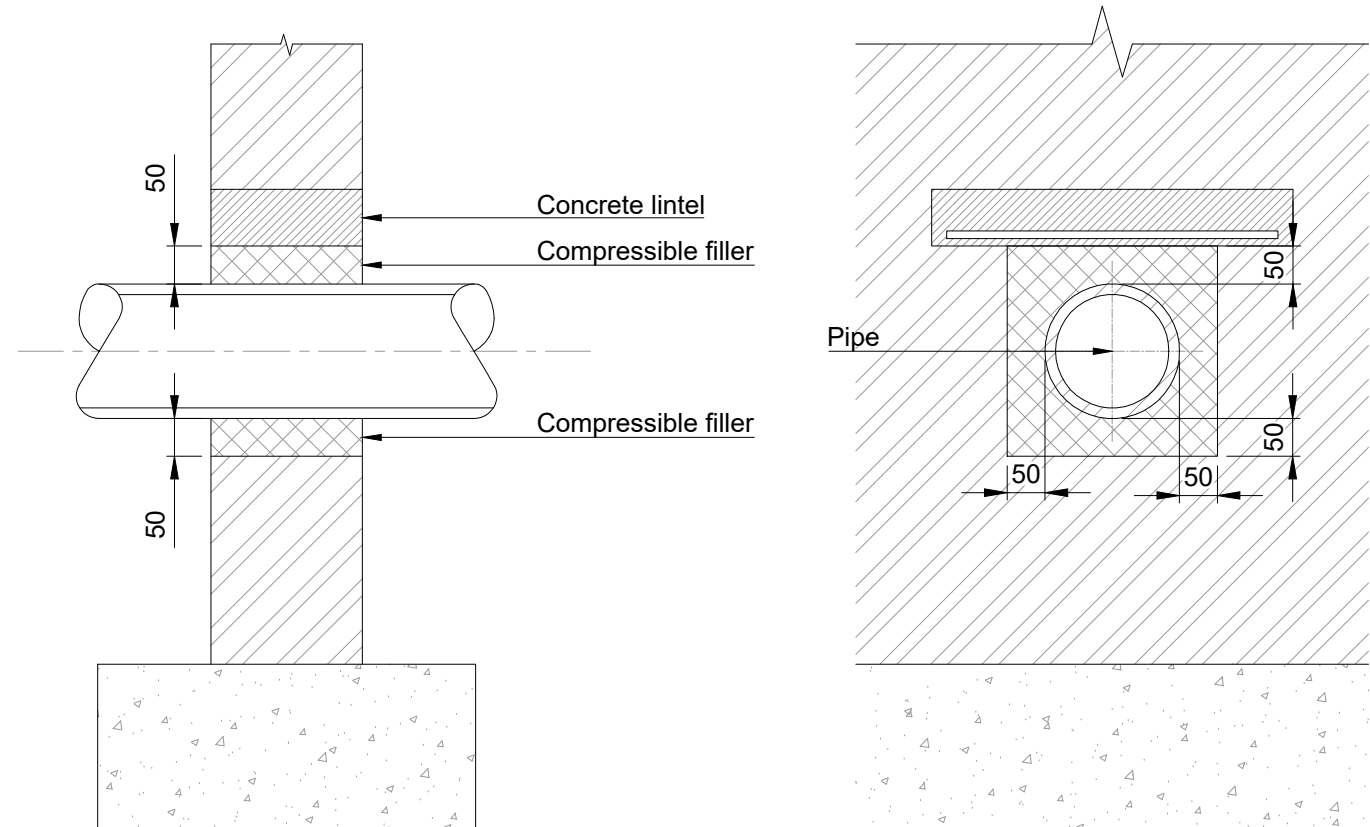
Trench Widths for Clay Pipe		
Pipe Diameter	Min Width	Max Width
100	450	750
150	500	800
225	600	875
300	700	1000
400	800	1100
450	850	1150



Class S Bedding

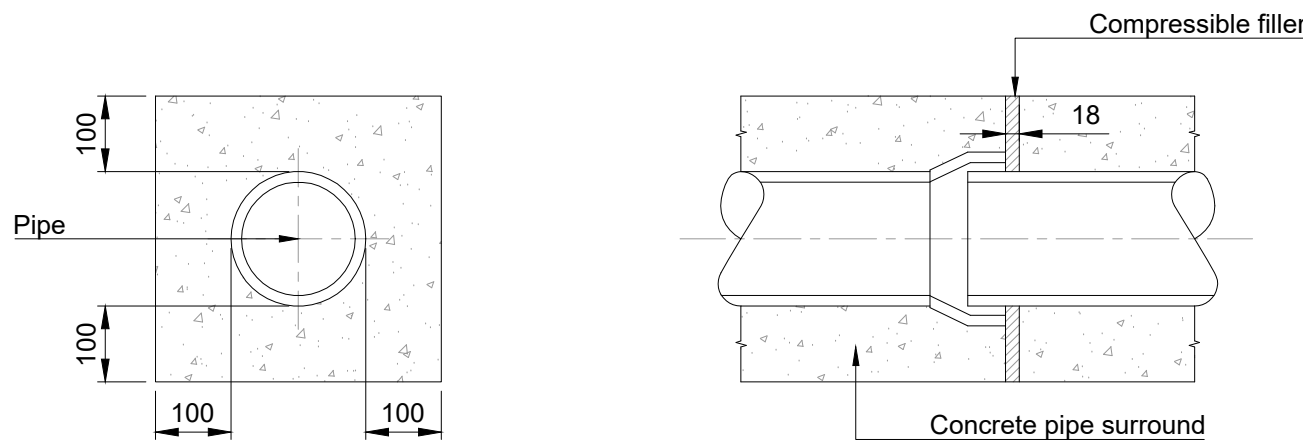
Scale: 1:20

Nominal Bore of Pipe (mm)	Size of Bedding Material	
	Single Size	Graded
100 - 125	10	-
150 - 200	10 or 14	14 to 5
225 - 300	10, 14 or 20	14 to 5 or 20 to 5
375 - 500	14 or 20	14 to 5 or 20 to 5
Exceeding 500	14, 20 or 40	14 to 5, 20 to 5 or 40 to 5

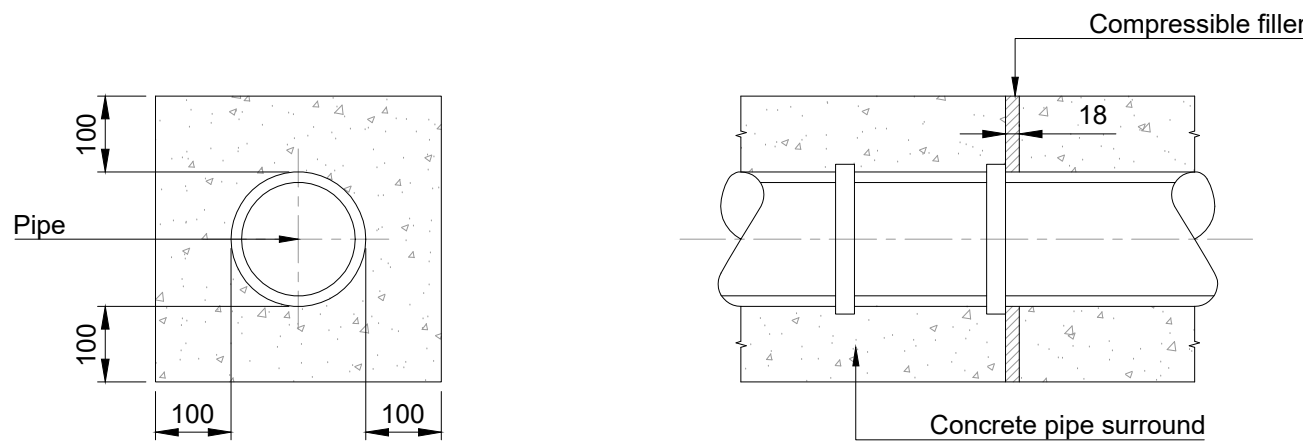


Protection of pipes penetrating single leaf boundary walls

(Refer to Figure B29 in Design and Construction Guidance)
Scale 1:10



Spigot and socket joint

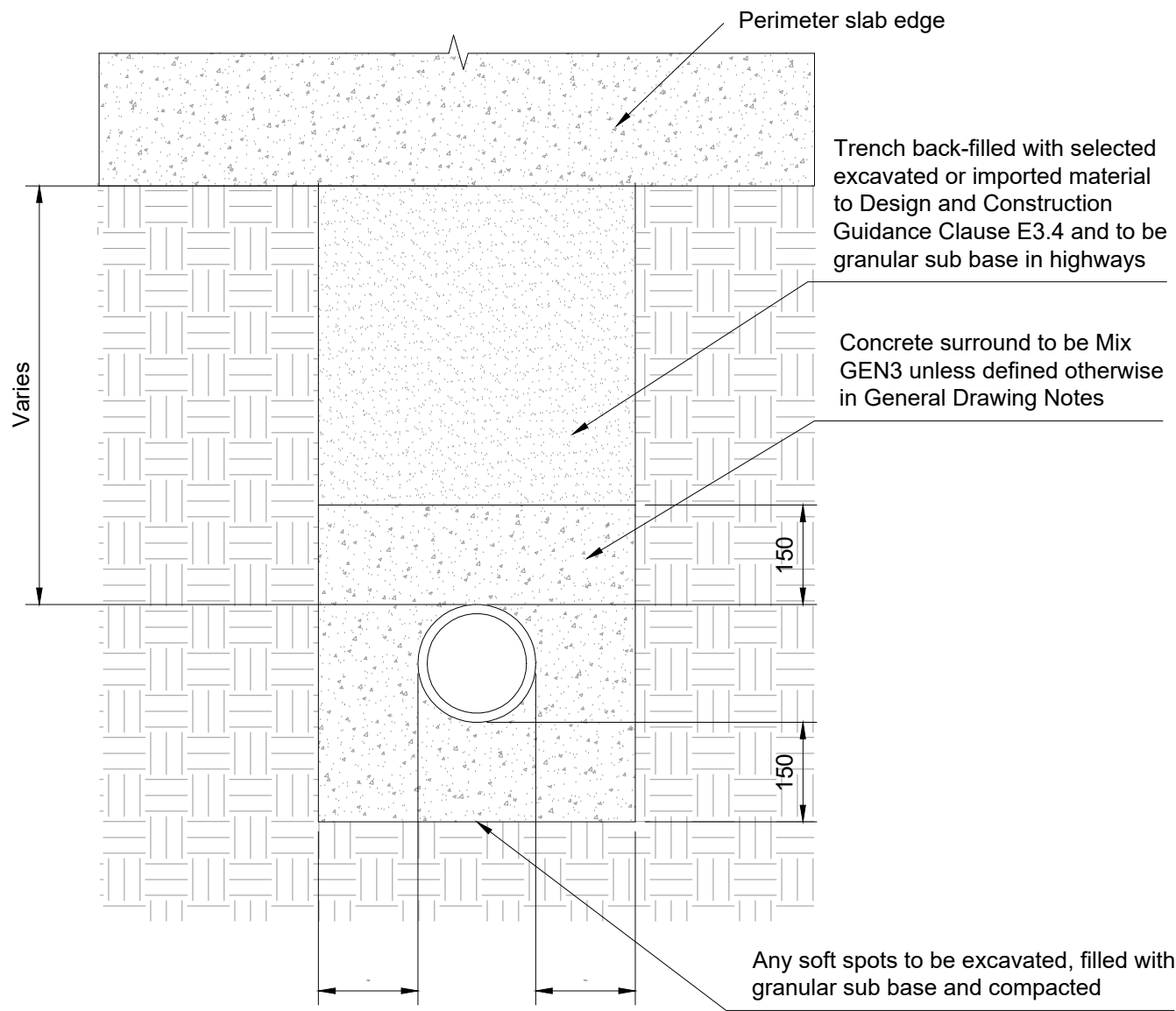


Sleeve joint

Joints for encased pipes

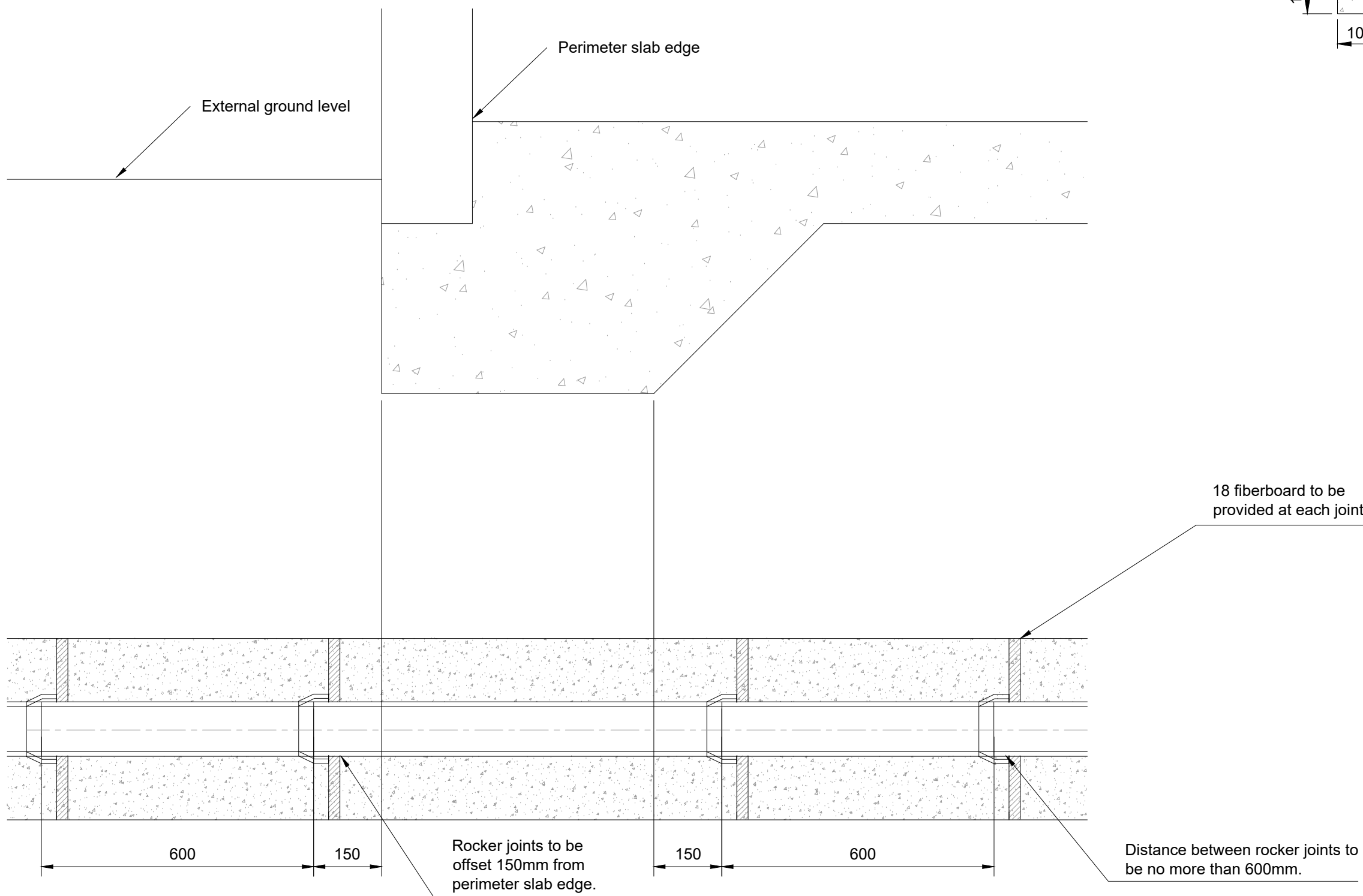
(Refer to Figure B28 in Design and Construction Guidance)
Scale 1:10

- Notes:**
- a. Concrete protection of pipes to be 150 MIN surround and Mix GEN3 with sulphate resistance. Rocker joints to extend so that a minimum of 2 rocker joints are located past the edge of perimeter slab on both internal and external sides to the building.
 - b.



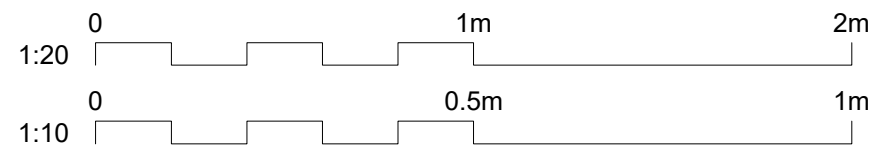
Concrete surround to pipes passing beneath structural slab edge

Scale 1:10



Concrete surround to pipes passing beneath structural slab edge

Scale 1:10



- Notes**
1. Do not measure from this drawing.
 2. Drawing measurements in millimetres unless stated otherwise
 3. Levels in metres above ordnance datum (mAOD).
 4. Proposed drainage designed in accordance with Building Regulations Part H and Sewerage Sector Guidance (SSG) Appendix C.

Key to symbols

Reference drawings

CASICD-MMD-XX-XX-DR-D-100000 - Drainage Masterplan
CASICD-MMD-XX-XX-DR-D-100010 - Typical Drainage Details Sheet 1 of 6
CASICD-MMD-XX-XX-DR-D-100011 - Typical Drainage Details Sheet 2 of 6
CASICD-MMD-XX-XX-DR-D-100013 - Typical Drainage Details Sheet 4 of 6
CASICD-MMD-XX-XX-DR-D-100014 - Typical Drainage Details Sheet 5 of 6
CASICD-MMD-XX-XX-DR-D-100015 - Typical Drainage Details Sheet 6 of 6

P02	12/12/2025	JLW	Issued for IHP Comment	AP	AS
P01	20/10/2023	LS	RIBA Stage 3 Issue	AS	JH
Rev	Date	Drawn	Description	Ch'k'd	App'd

Status Stamp

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Client **The Christie NHS Foundation Trust**

Title **The Christie Advanced Scanning & Imaging Centre Development
Typical Drainage Details
Sheet 3 of 6**

Designed	T Fundira	TAF	Eng check	A Sims	AS
Drawn	L Shipley	LS	Coordination	C Smith	CS
Dwg check	A Sims	AS	Approved	J Heeds	JH
MMD Project Number 100114293		Scale at A1 As Shown			Security STD
Suitability Description Suitable for Review and Comment					Suit. Code S3
Drawing Number CASICD-MMD-XX-XX-DR-D-100012					Revision P02