

DO NOT SCALE

- Do not scale this drawing. All dimensions must be checked/ verified on site. If in doubt ask.
- This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
- All dimensions in millimetres unless noted otherwise. All levels in metres unless noted otherwise.
- Any discrepancies noted on site are to be reported to the engineer immediately.
- This drawing is to be read in conjunction with the latest drainage layout drawing.
- Unless noted otherwise, all clauses relate to Sewer Sector Guidance Notes or Building Regulations Part H.
- To be read in conjunction with Roscoe drawings 'FE0012-ROS-XX-XX-R-C-0100' and 'FE0012-ROS-XX-XX-D-C-0500'.

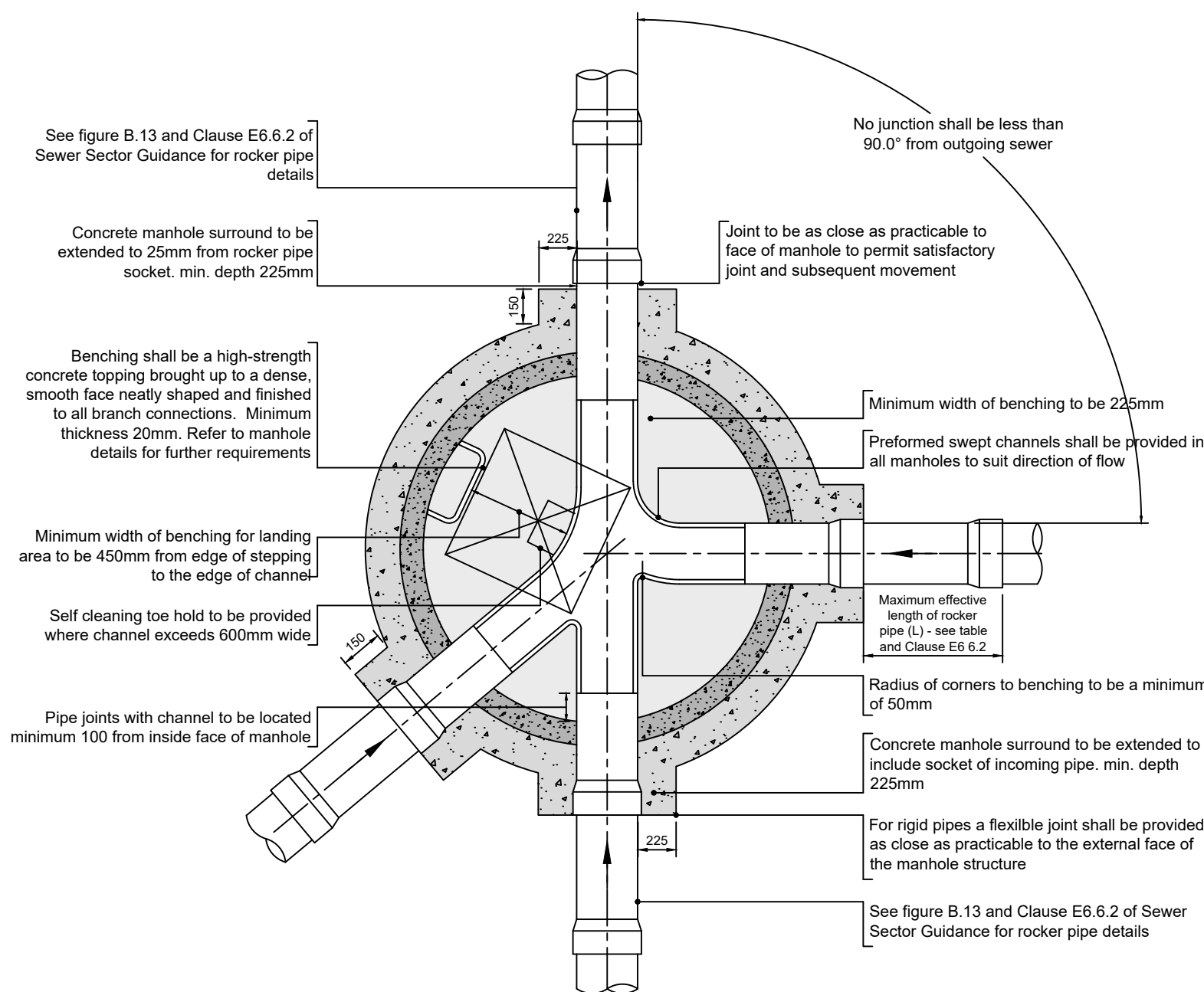
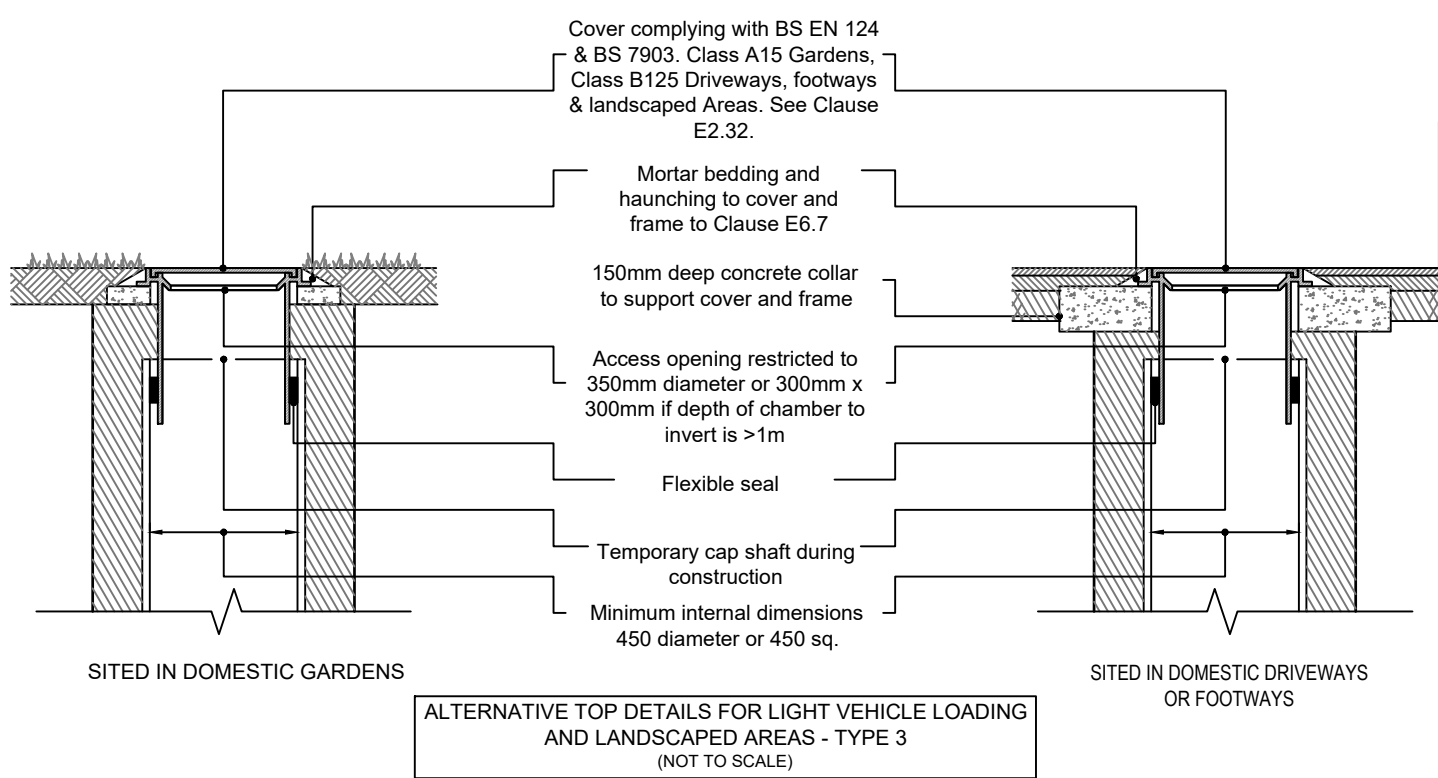
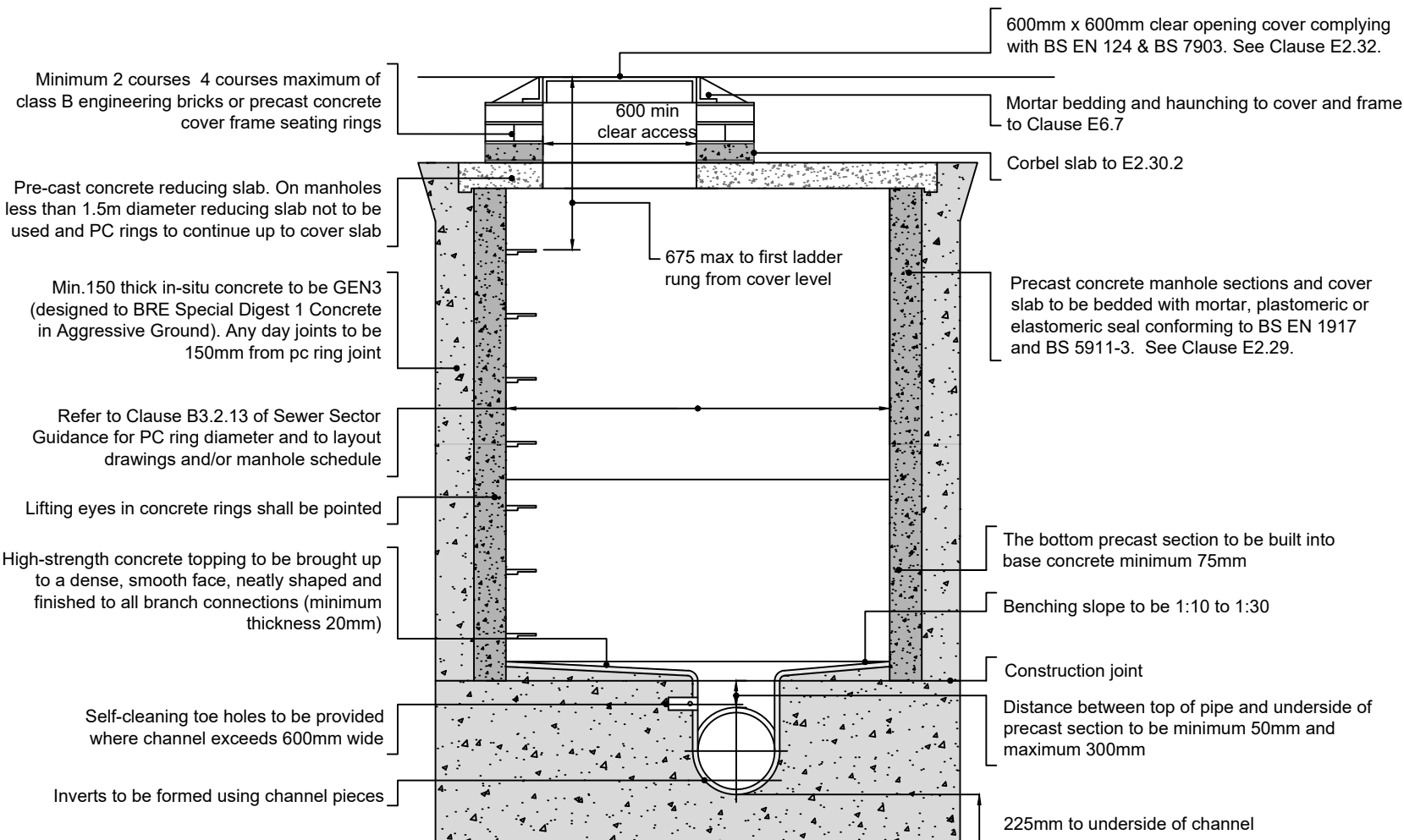


Table: Rocker Pipes	
Pipe Diameter (D) (mm)	Maximum effective rocker pipe length (L) (m)
≤ 600	0.60
>600 and ≤750	1.00
>750	1.25

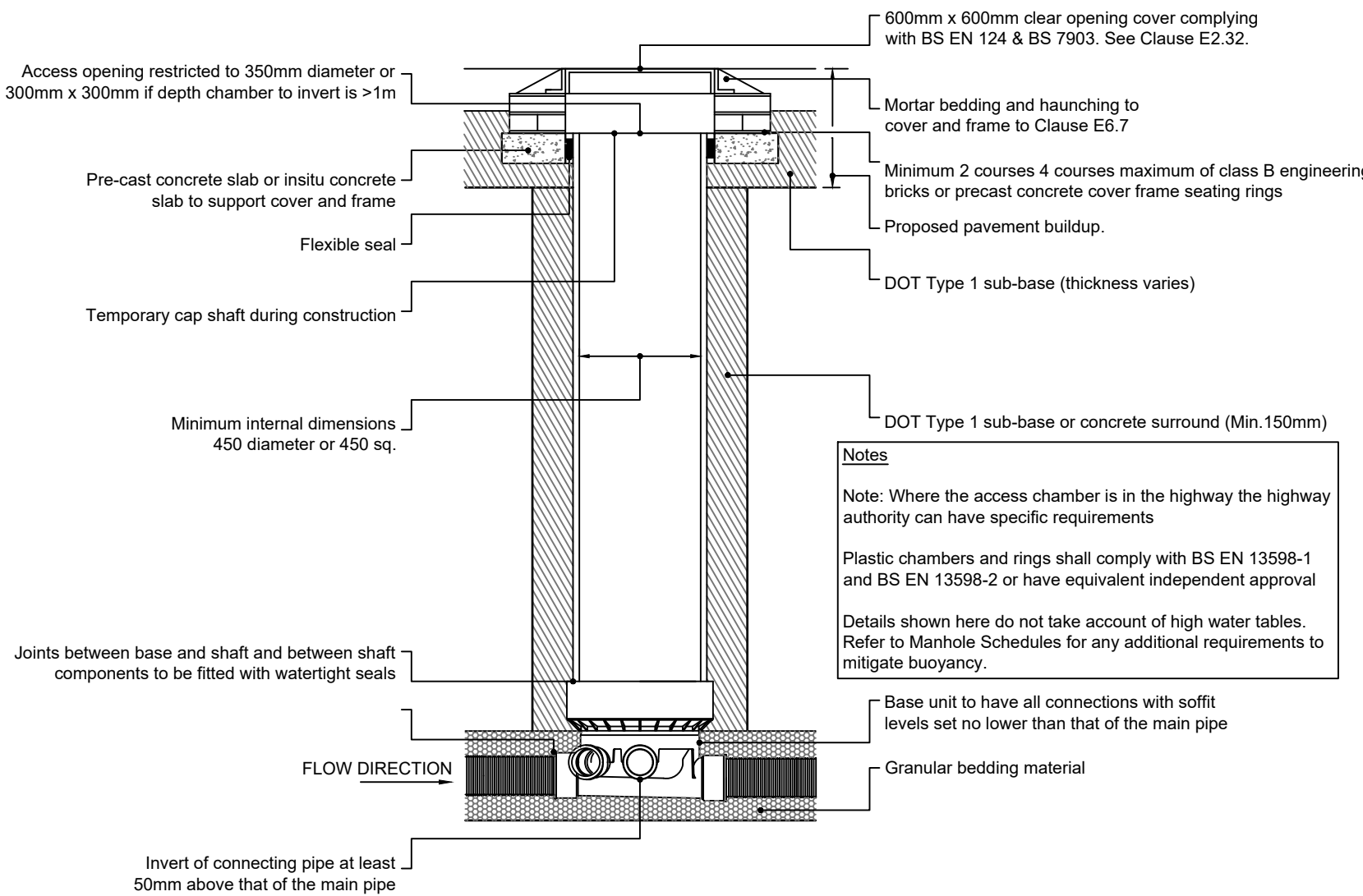
TYPICAL ARRANGEMENT OF PIPE JUNCTIONS WITHIN MANHOLES (SECTIONAL PLAN, SCALE 1:20)



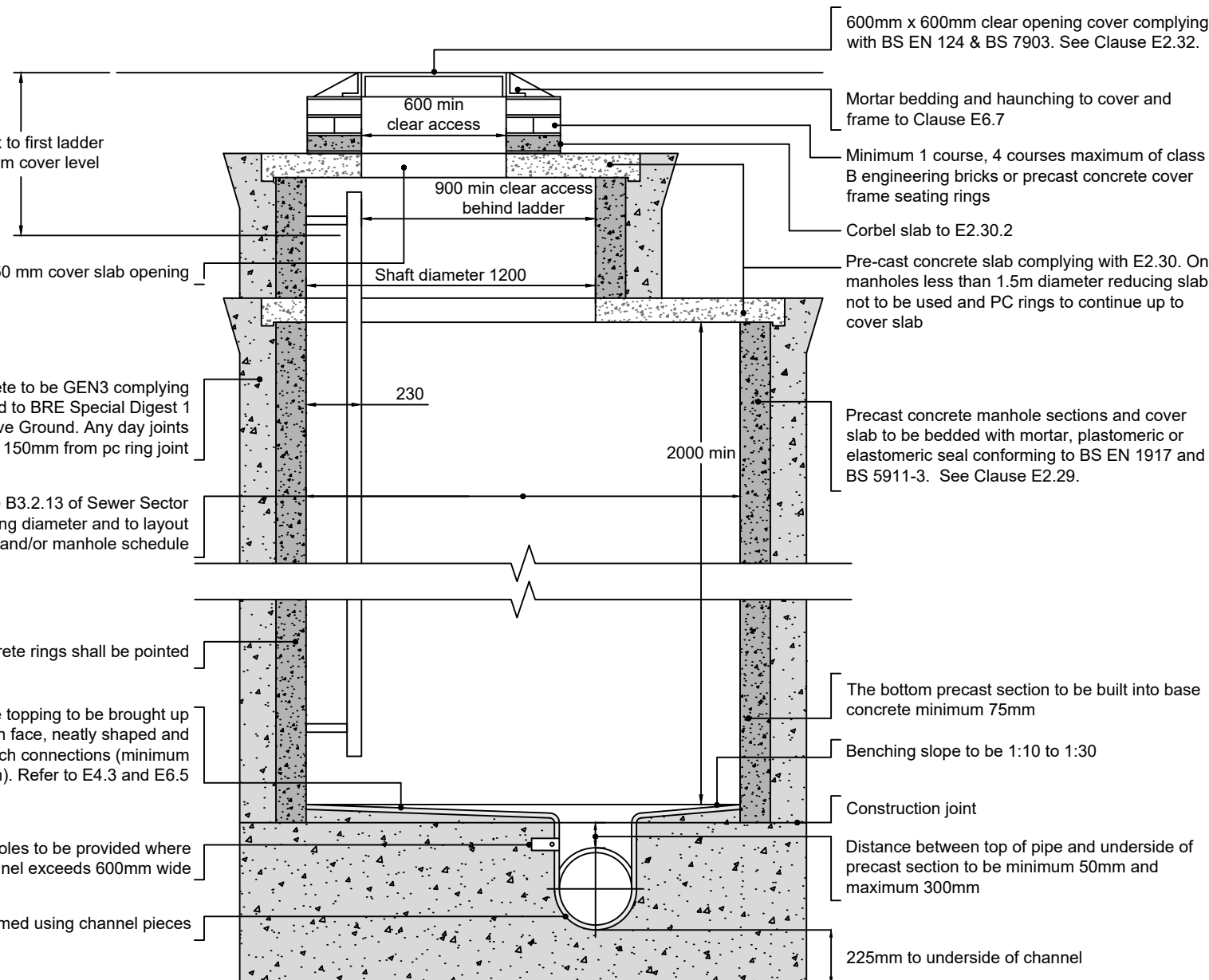
ALTERNATIVE TOP DETAILS FOR LIGHT VEHICLE LOADING AND LANDSCAPED AREAS - TYPE 3 (NOT TO SCALE)



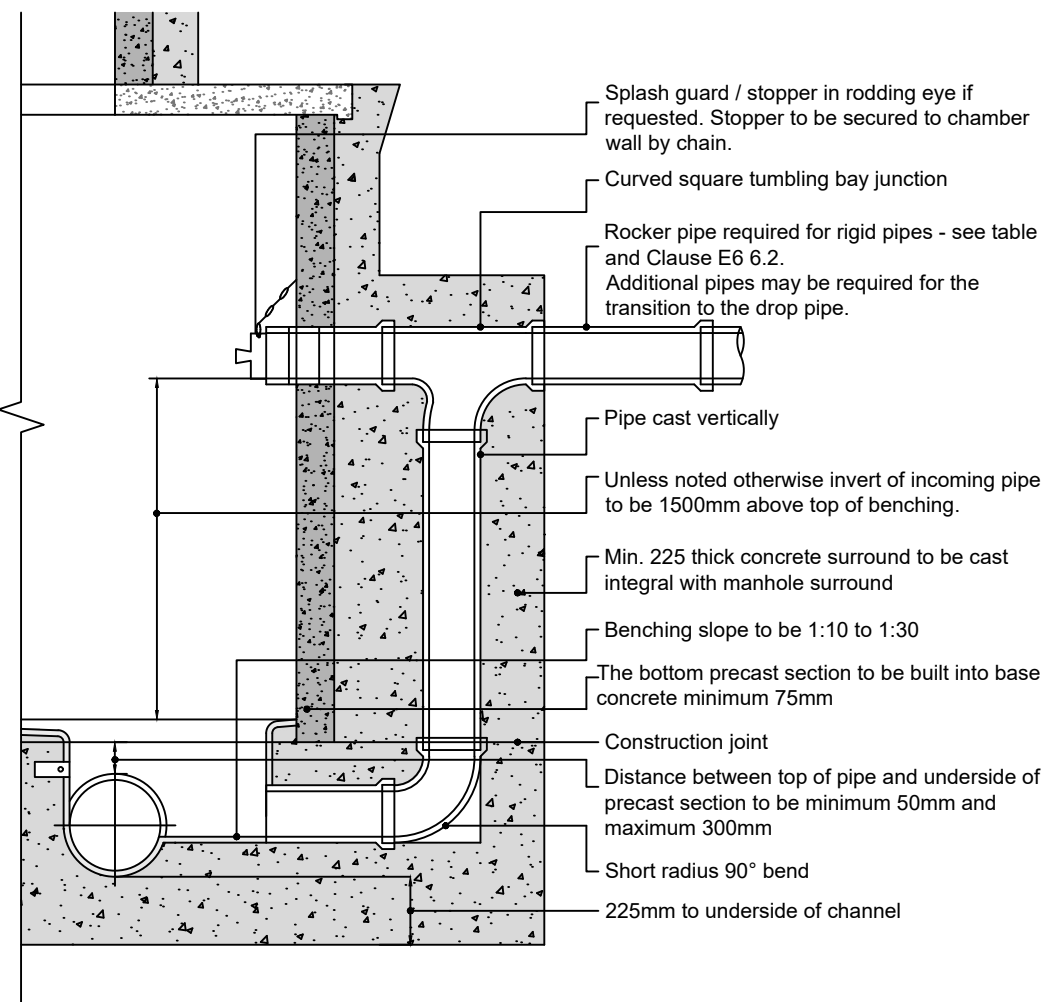
TYPE 2 MANHOLE DETAIL [DEPTH OF COVER TO SOFFIT OF PIPE MAX 3m]



TYPICAL INSPECTION CHAMBER DETAIL - TYPE 3 (FLEXIBLE MATERIAL DETAIL) [MAXIMUM DEPTH FROM COVER LEVEL TO SOFFIT OF PIPE IN AREAS SUBJECT TO VEHICLE LOADING 3m, NON ENTRY] (NOT TO SCALE)



TYPE 1A MANHOLE DETAIL [DEPTH OF COVER TO SOFFIT OF PIPE 3m TO 6m]



TYPICAL VERTICAL BACKDROP DETAIL (NOT TO SCALE)

Manhole Notes:

Where appropriate, opening to be located centrally over 900mm shaft and offset approximately 200mm for 1200mm shaft with ladder. For additional details of manhole covers or alternative dimensions refer to Manhole Schedules.

Chambers with outgoing pipes greater than 600mm dia shall be fitted with guard bars, safety chains or other safety devices subject to the specific requirements of the water authority / Building Control.

All pipes entering the base of the manhole shall have soffits level unless stated otherwise on the drawings

Where the manhole depth is <3m deep use double step rungs complying with Clause E2.33, otherwise use a ladder complying with BS EN 14396 see Clause E2.37 of Sewer Sector Guidance.

Details shown here do not take account of high water tables. Refer to Manhole Schedules for any additional requirements to mitigate buoyancy.

Coordinates provided for setting out are for intersections of straight pipe runs. All manhole chambers are to be coordinated on site to ensure correct landing access is provided in line with the details shown.

P02	13.12.24	KT	UPDATED TO SUIT CLIENT COMMENTS	JT	JC
P01	02.12.24	KT	STAGE 3 ISSUE	JT	JC
REV	DATE	BY	DESCRIPTION	CHK	APP

DRAWING STATUS: S5 Suitable for dFE Review and Acceptance



CLIENT: WILLMOTT DIXON

ARCHITECT: SHEPPARD ROBSON

PROJECT: HOPWOOD HALL COLLEGE
ROCHDALE

TITLE: DRAINAGE STANDARD DETAILS
SHEET 1

SCALE @ A1:	N.T.S	CHECKED:	JT	APPROVED:	JC
PROJECT NUMBER:	24365	DESIGNED:	AY	DRAWN:	KT
DRAWING No:	FE0012-ROS-XX-XX-D-C-0560	DATE:	NOV 2024	REV:	P02