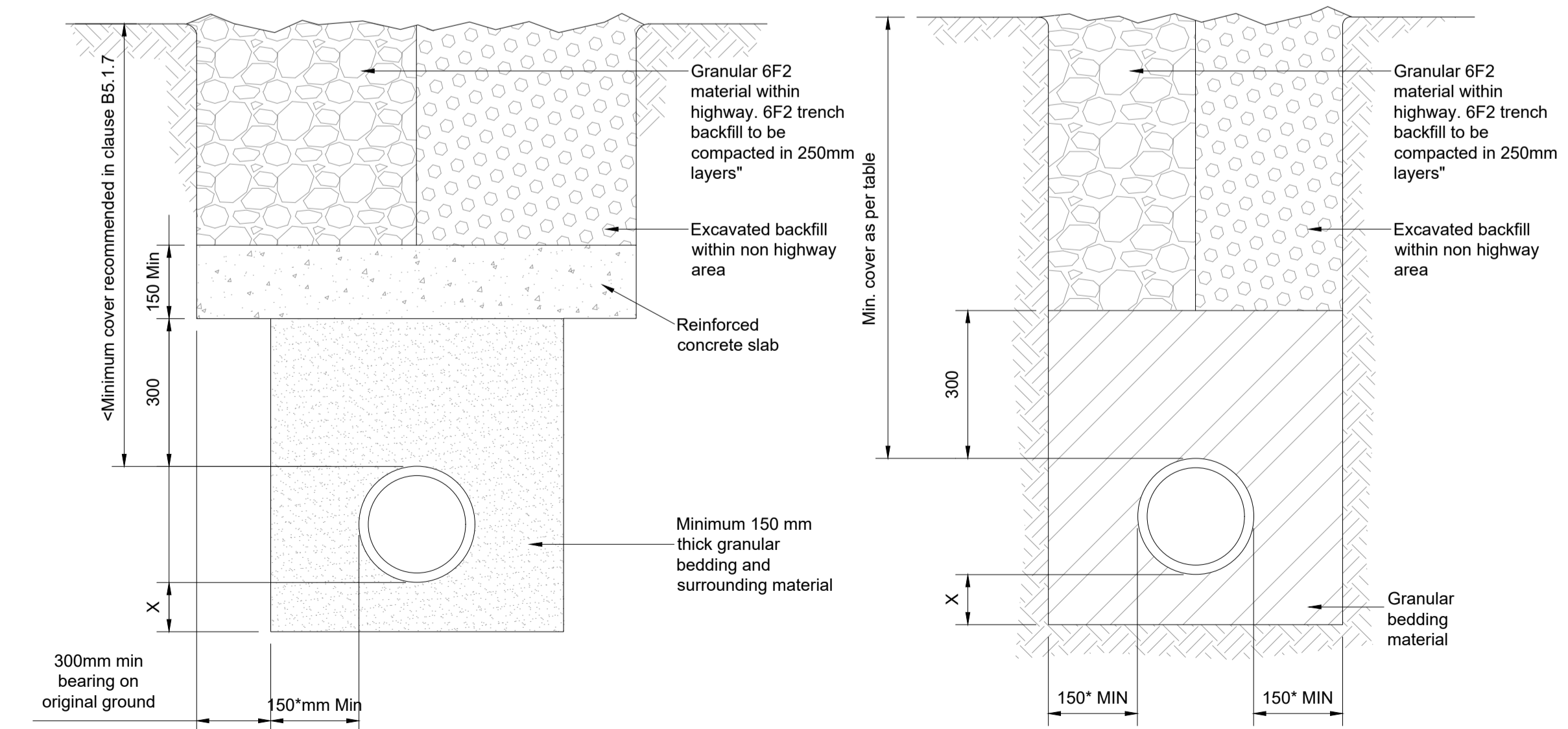


Adoptable Manhole Debris Screen Detail

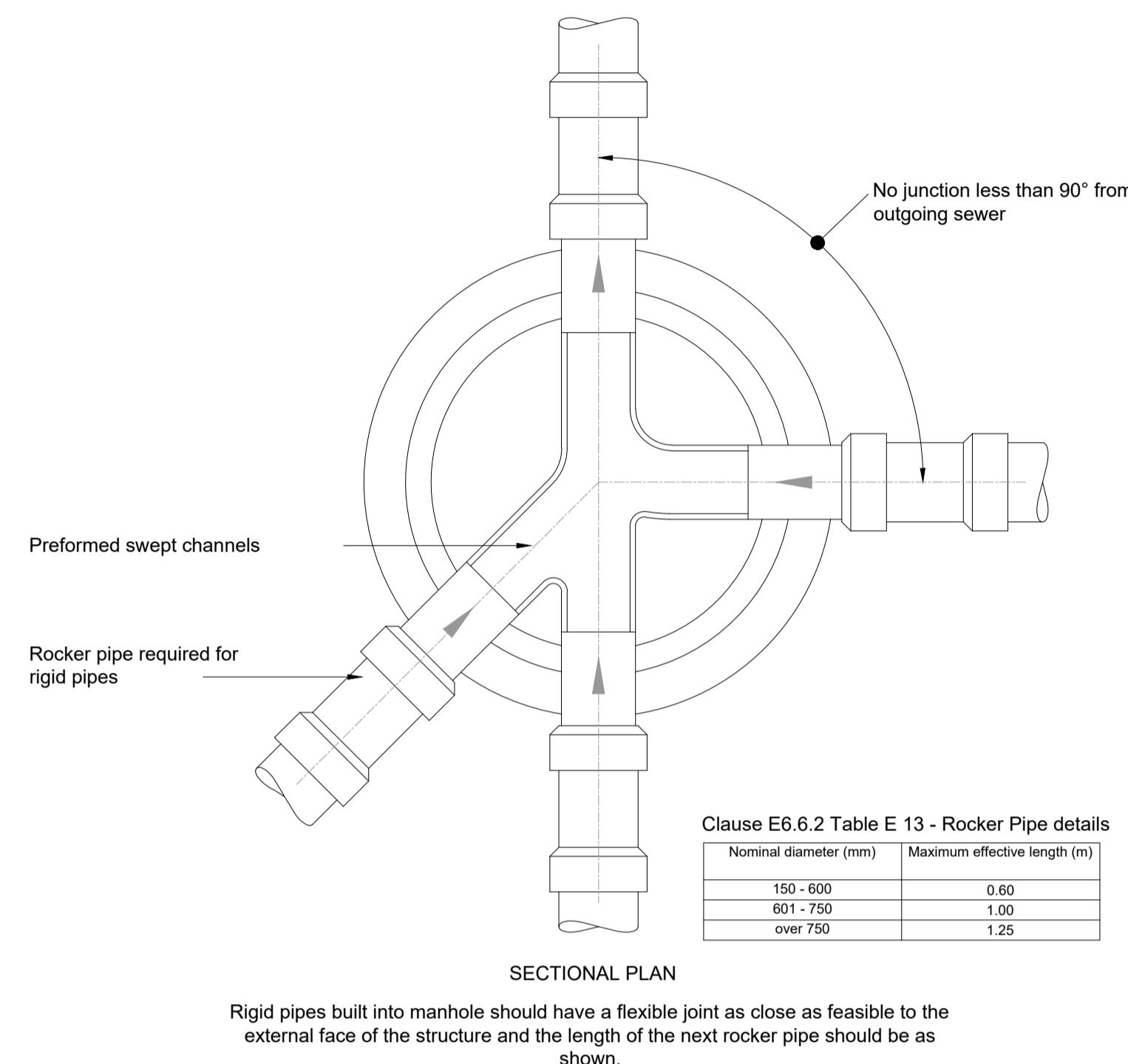
1. Screen installation to be provided to chamber immediately upstream of sewer connection point.
2. All sump debris to be removed and chamber pressure jettied if required prior to formation of final benching and channel configuration compliant with the relevant manhole construction detail required.
3. The developer is required to maintain screen during its period of use.
4. Debris screen to be hot dipped galvanised after fabrication. All screen fixings to be 75mm long x 10mm friction bolts to secure screen to chamber wall and brickwork support.



CONCRETE SLAB PROTECTION

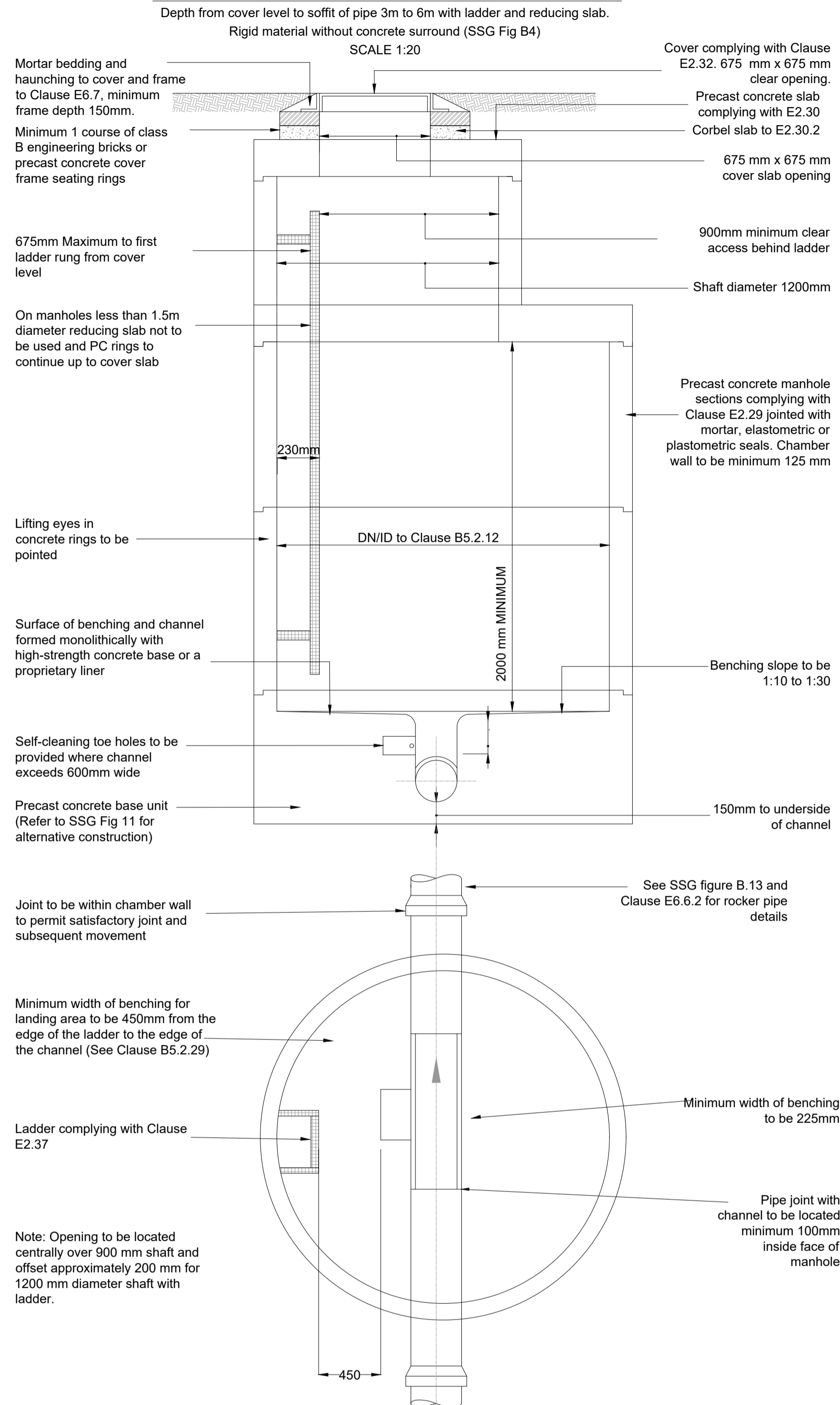
CLASS S BEDDING

TYPICAL ARRANGEMENT OF PIPE JUNCTIONS WITHIN MANHOLES (SSG FIGURE B.13)



All pipes entering the bottom of the manhole to have soffits level

TYPICAL MANHOLE DETAIL - TYPE A1



- Notes:
1. Do not scale this drawing
 2. The planning, design and construction of sewers shall be in accordance with Sewerage Sector Guidance Appendix C - 'Design and Construction Guidance'.
 3. All sewers to be laid soffit to soffit unless otherwise shown.
 4. Compliance with Health & Safety matters on any trench/manhole is obligatory and a permit to enter a confined space is required when connecting site drainage to the existing public sewerage system. A permit to enter a confined space will be obtained from the local water authority prior to the works commencing on any public sewerage system.
 5. All pipes to be plastic unless otherwise shown.
 6. Ladders to be galvanised mild steel to BS 4211.
 7. Step rungs to be double width, plastic encapsulated mild steel. Distance between step rungs to be 250-300mm.
 8. Precast concrete rungs will not be cut under any circumstance.
 9. Any and all construction undertaken prior to relevant technical approval is done so at risk.

REVISIONS

Rev	Date	Description	By	Ckd	App
C01	13/09/24	Roads and sewers issued for construction.	JH	OD	OD
P02	09/07/24	Covers to 675x675		OD	OD
P01	08/03/24	First Issue.	BT	JAC	JAC

Roads and sewers issued for construction at request of the client. Note site is subject to planning approval, S104, and S38. Any construction is at risk, and subject to change

NOMINAL BORE OF PIPE (min)	AGGREGATE SIZE (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
EXCEEDING 525	14, 20 OR 40	14 TO 5 OR 20 TO 5 40 TO 5

DIM X ≥ 150mm FOR PIPES < 200mmØ
DIM X ≥ 200mm FOR PIPES TRENCHES IN ROCK

- NOTES:
1. * = 150 FOR PIPES DIAMETER UP TO 300mm, * = 200mm FOR PIPE DIAMETERS OVER 300mmØ
Based on narrow trench theory; designer to confirm for specific pipeline.
 2. Backfill material to be selected excavated material where this material complies with CESWI. Additional material to make up any deficiency to be granular sub-base Type 1 unless stated otherwise.
 3. In wet, soft, or silty soils, where lateral support is not obtained or where fines may migrate, the granular bedding material shall be surrounded by geotextile fabric with min 200 overlap.
 4. Trench backfill to meet highway specification when laid in road or footpath.

PROTECTION	MIN. COVER	LOCATION
Class S Bedding - 150 granular bed and surround.	0.35m	Domestic gardens and pathways without any possibility of vehicular access.
	0.50m	Domestic driveways, parking areas, and yards with height restrictions to prevent entry by vehicles >7.5 tonnes.
	0.90m	Domestic driveways, parking areas, and narrow streets without footways with limited access for vehicles >7.5 tonnes, and agricultural land and public open space.
	1.20m	Other highways and parking areas with unrestricted access to vehicles >7.5 tonnes
Concrete slab protection	Less than	Minimum cover as specified above



CLIENT
CALA HOMES

PROJECT
HIMLEY VILLAGE,
BICESTER,
OXFORDSHIRE

TITLE
PHASE 2A
ADOPTABLE DRAINAGE
CONSTRUCTION DETAILS
SHEET 1

HYDROCK PROJECT NO.	SCALE @ A1	STATUS
C-27141-C	AS SHOWN	D4
STATUS DESCRIPTION	REVISION	REVISION
CONSTRUCTION		C01
DRAWING NO. (PROJECT CODE-ORIGINATOR-ZONE-LEVEL-TYPE-ROLE-NUMBER)		
27141-HYD-2A-XX-DR-C-0400		