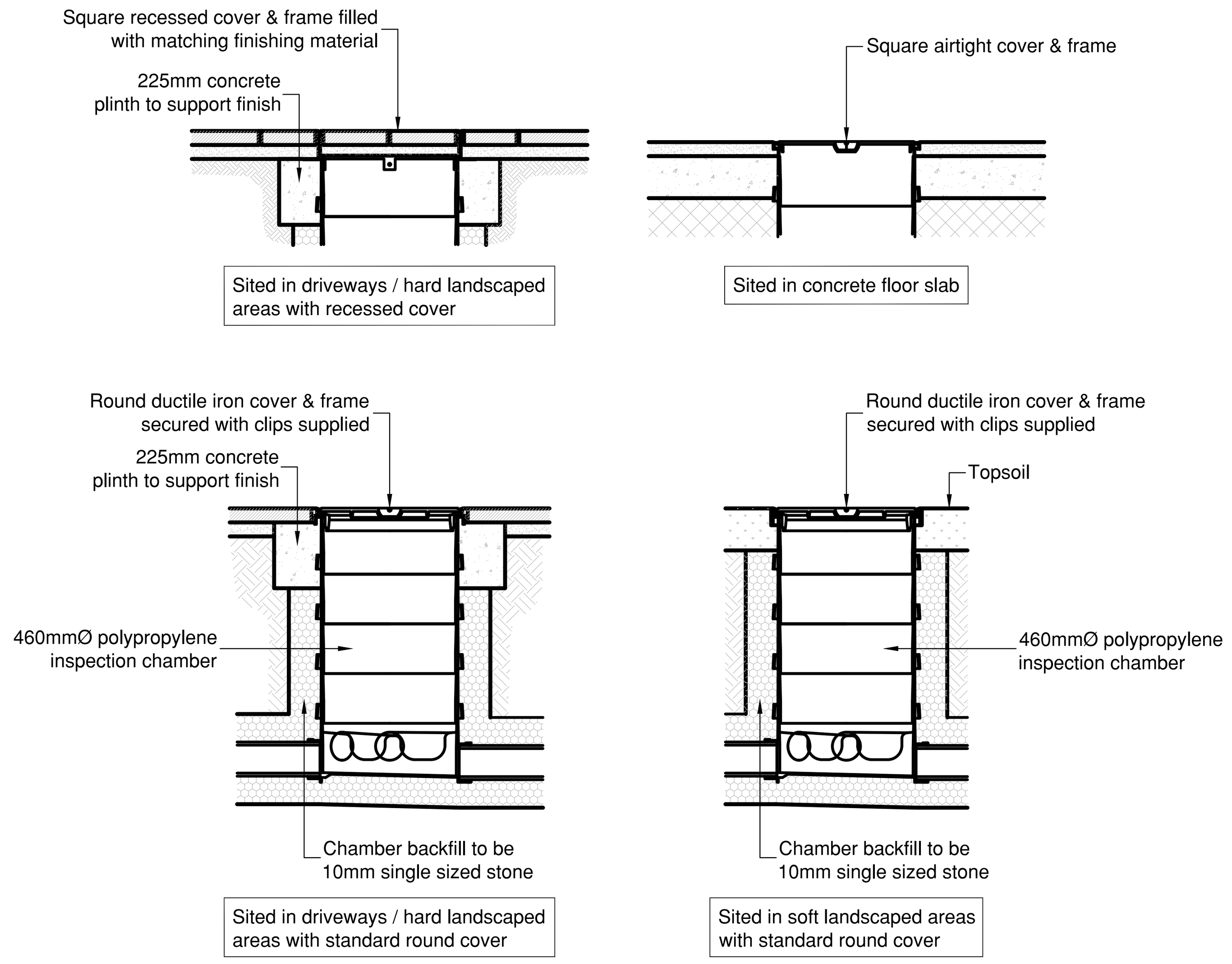
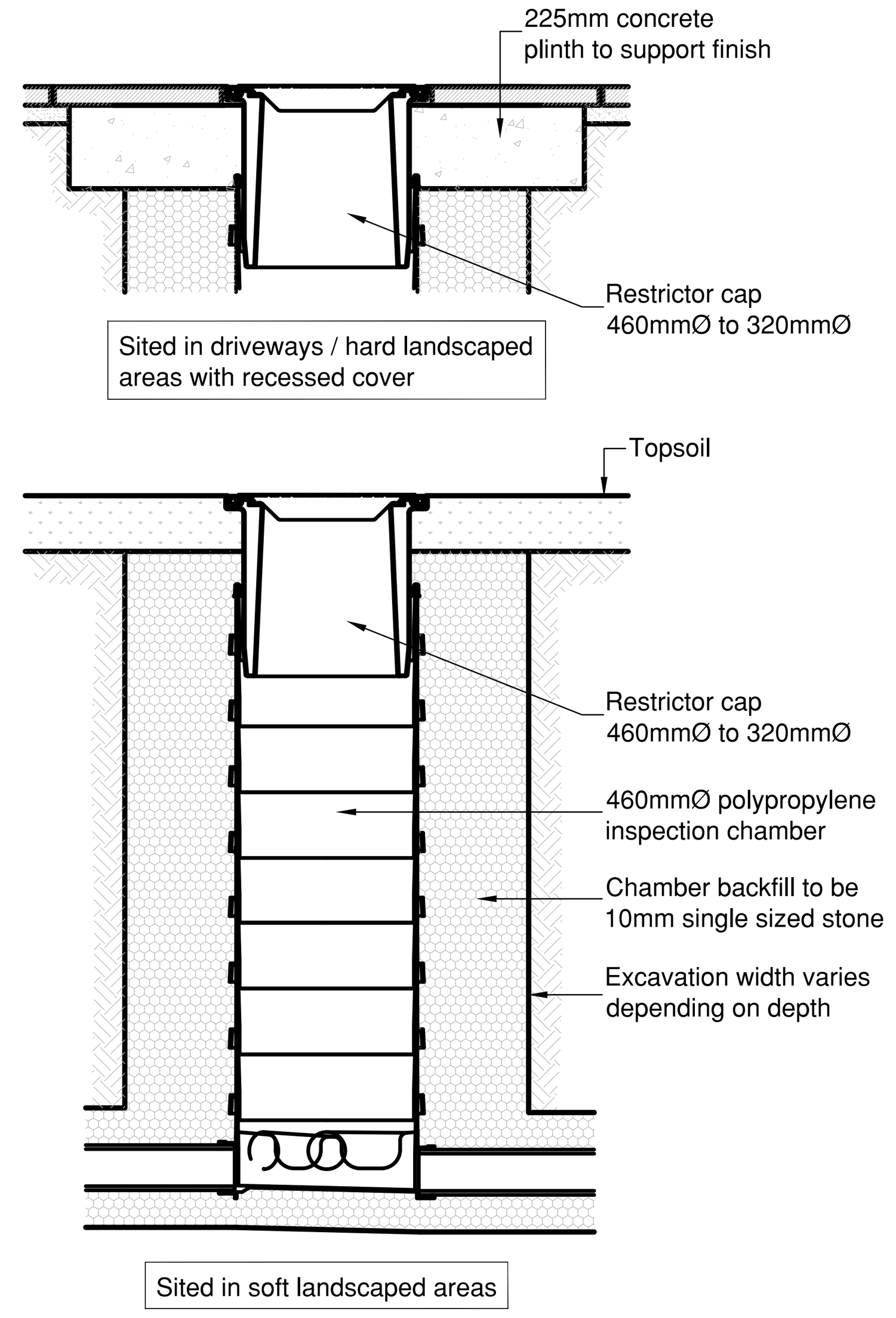


460mmØ Universal Inspection Chamber Detail
Max. depth 1.2m

(Scale 1:20)



460mmØ Non-entry Inspection Chamber Detail
Depths Between 1.2m - 3m

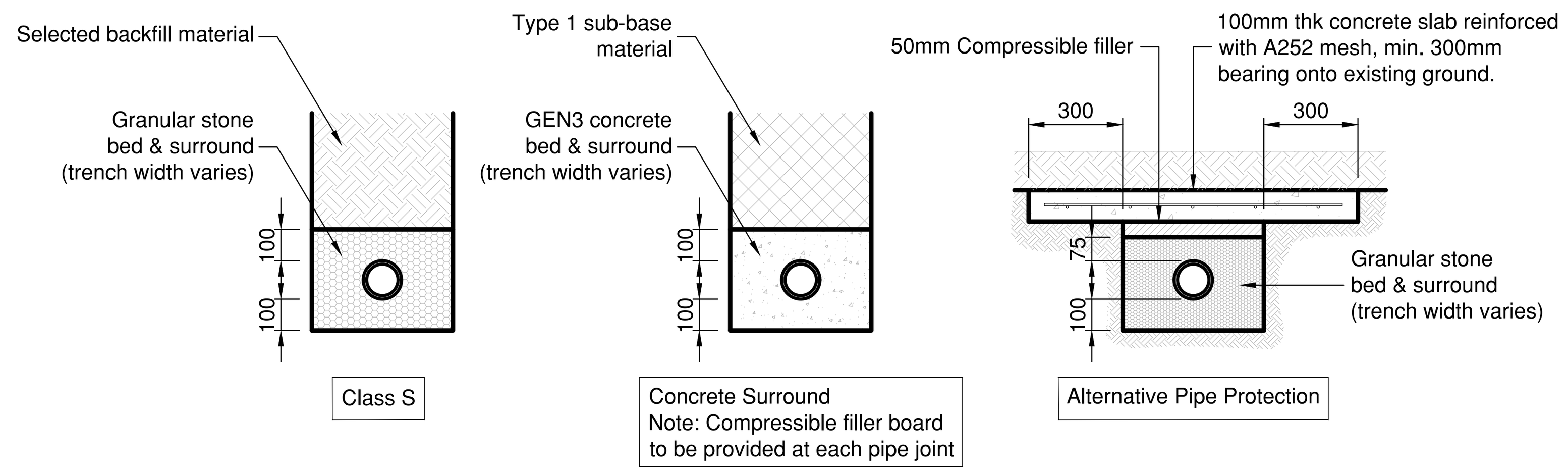
(Scale 1:20)

Bedding & Sidefill Materials For Flexible Pipes

The table (A2 from WIS 4-08-02) shows specification for processed granular material.

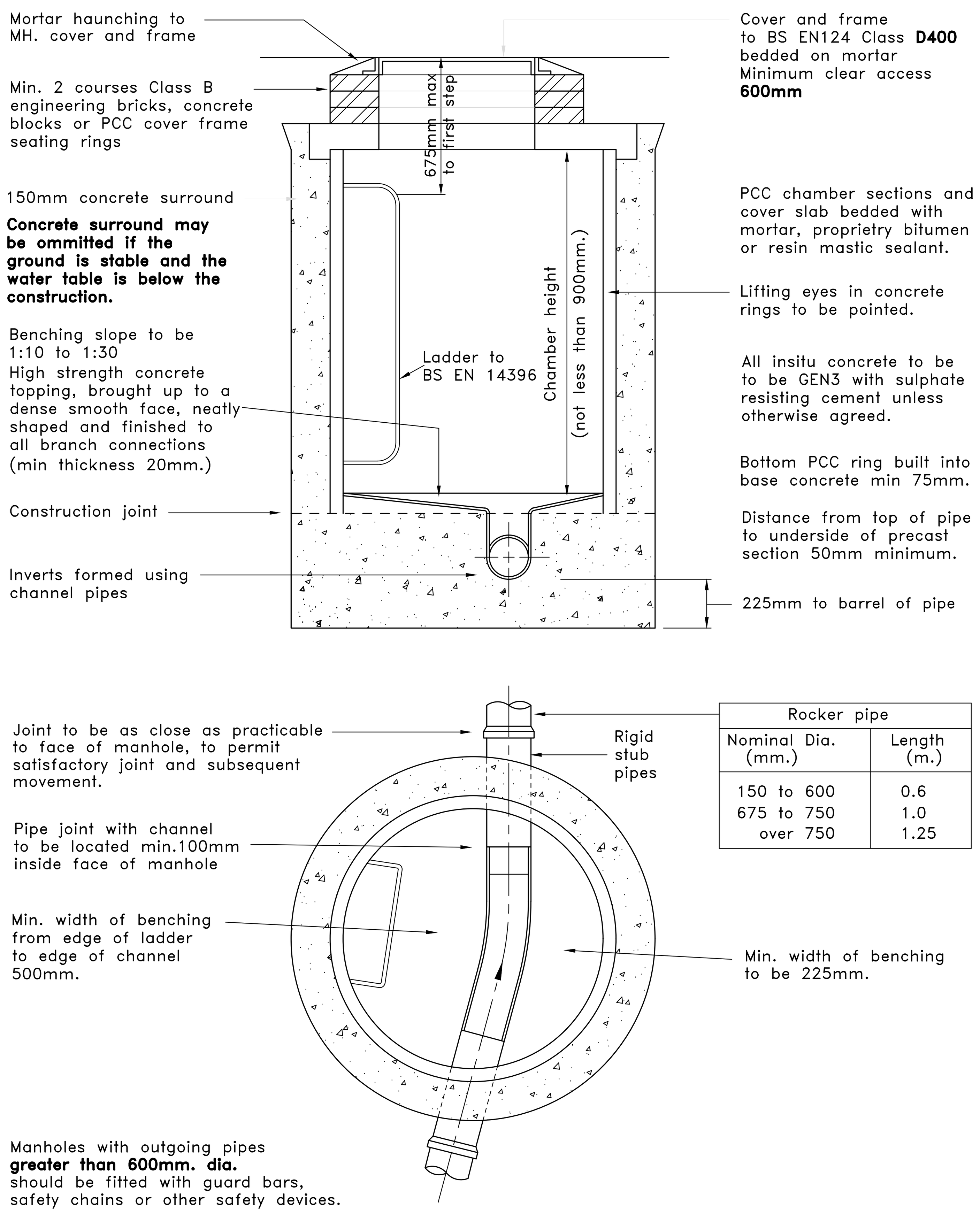
Pipe nominal bore (mm) See note (d)	Nominal Max. Particle Size (mm)	Either: Maximum CF value for acceptability See note (b)		Or: Materials specified in British Standards See note (a)
		Non-pressure pipe	Pressure pipe	
100	10	0.15	0.30	10mm nominal single-size
Over 100 to 150	16	0.15	0.30	10 or 14mm. nominal single-size or 14mm to 5mm graded.
Over 150 to 300	20	0.15	0.30	10, 14 or 20mm nominal single-size or 14mm to 5mm graded or 20mm to 5mm graded.
Over 300 to 550	20	0.15	0.30	14 or 20mm nominal single-size or 14mm to 5mm graded or 20mm to 5mm graded.
Over 550	40	0.15	0.30	14, 20 or 40mm nominal single-size or 14mm to 5mm graded or 20mm to 5mm graded. or 40mm to 5mm graded.

Notes:
- (a) Processed granular materials to include aggregates to BS EN 13242.
- (b) Compaction Fraction value (CF), see WIS No. 4-08-02.
- (c) For the purpose of this table, PE pipes of 630mm OD can be regarded as having nominal bores of over 550mm, irrespective of wall thickness.
- (d) Nominal bore is used in preference to DN because of the different nominal size classifications for flexible pipes.
- (e) For PE80 & PE100 polyethylene pipe complying with current relevant Water Industry Specifications, the maximum sidefill particle size may be increased to 10% of the pipe nominal size.
- (f) For E values for processed granular materials refernece should be made to table A.3 where specific site tests have not been performed.
- (g) For ferrous and cementitious pipeline materials, the sulphate content of bedding and sidefill materials should not be greater than 0.3% as sulphur trioxide.



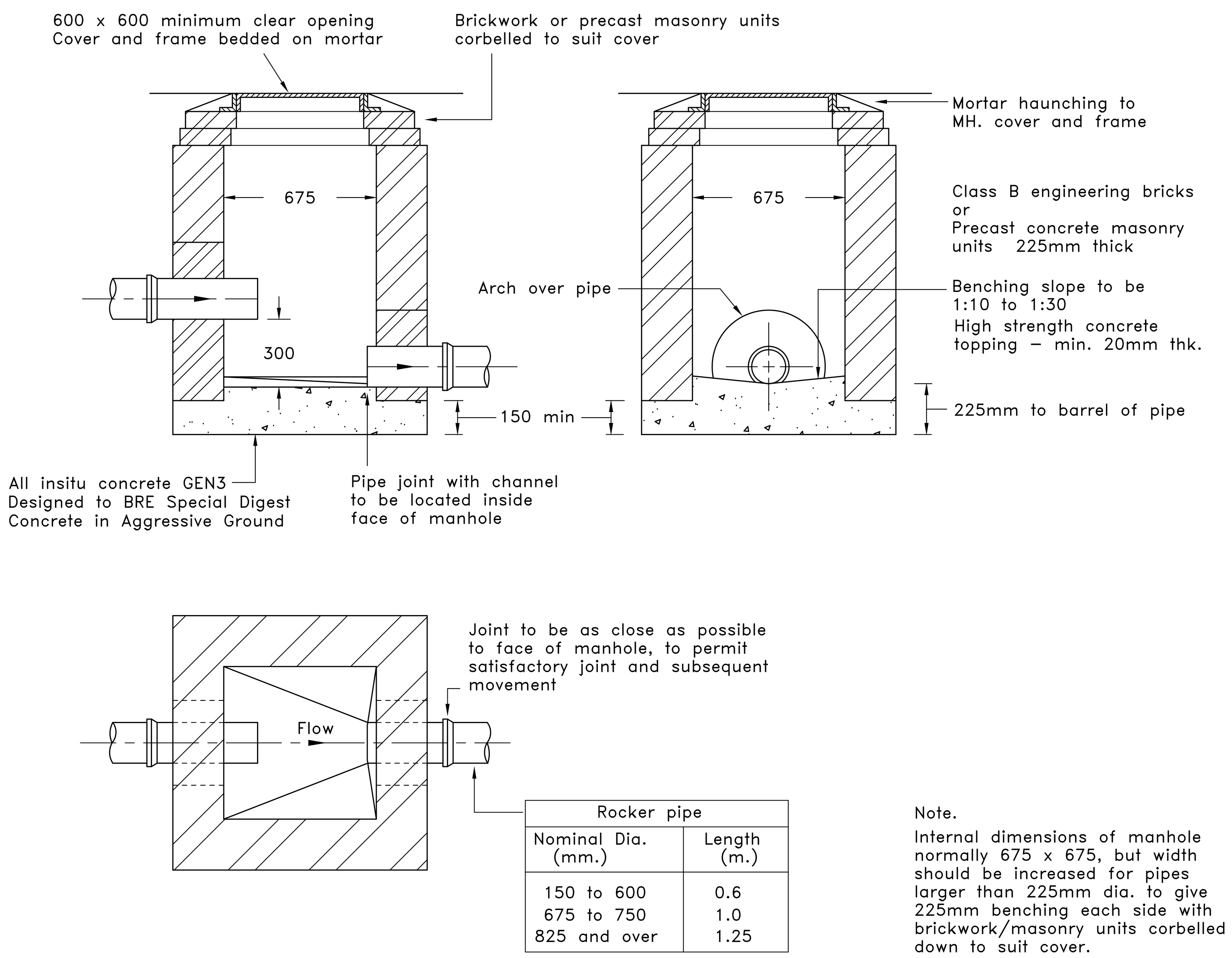
Pipe Bedding Details

(Scale 1:20)



Rocker pipe	
Nominal Dia. (mm.)	Length (m.)
150 to 600	0.6
675 to 750	1.0
over 750	1.25

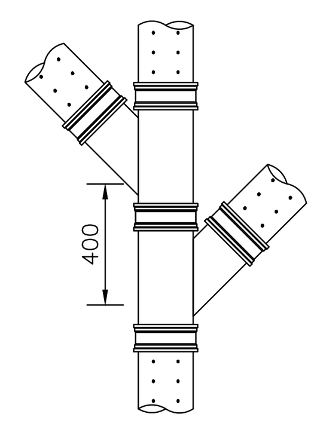
MANHOLE TYPE B (DEPTH TO SOFFIT 3.0m MAX.)



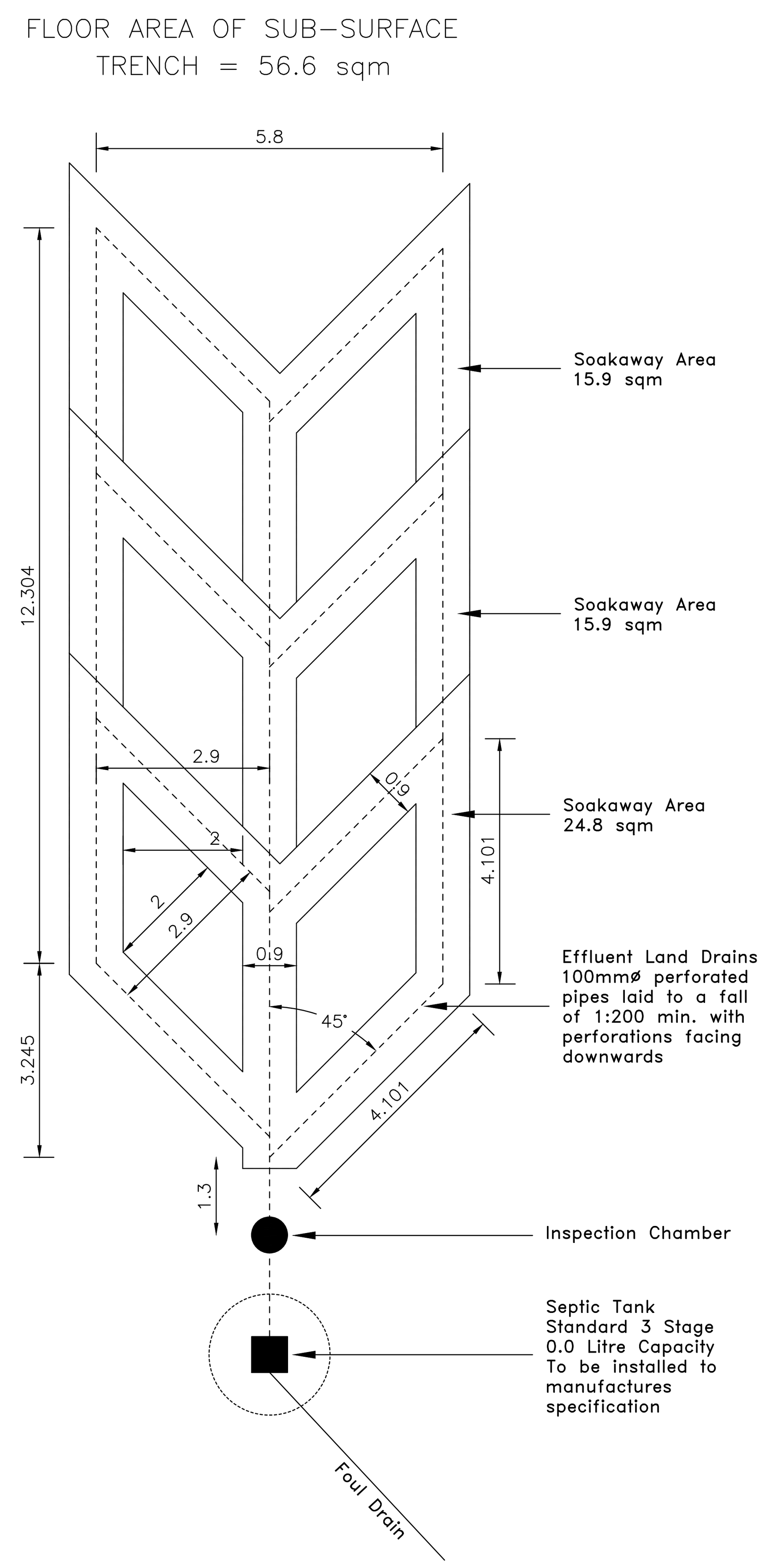
Rocker pipe	
Nominal Dia. (mm.)	Length (m.)
150 to 600	0.6
675 to 750	1.0
825 and over	1.25

Note.
Internal dimensions of manhole normally 675 x 675, but width should be increased for pipes larger than 225mm dia. to give 225mm benching each side with brickwork/masonry units corbelled down to suit cover.

SAMPLING MANHOLE (DEPTH TO SOFFIT LESS THAN 1.0m)



TYPICAL JUNCTION DETAIL
HEPWORTH SUPERSLEVE
Oblique Junction 45°
100Ø 405mm offset
Product No. SJ1/1



FOUL DRAINAGE FIELD

DO NOT SCALE THIS DRAWING	A1

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REVISIONS

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
-	15/11/23	Original Issue	MWJ	cf
A	16/11/23	Foul drainage field details amended	MWJ	cf
B	30/11/23	Berm details removed	MWJ	cf

DRAWING STATUS:
FOR BUILDING REGULATION APPROVAL

THOMAS CONSULTING
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CLIENT:
LIME GREEN PRODUCTS LTD

PROJECT:
NEW ACCESS ROAD AND DRAINAGE

DRAWING TITLE:
DRAINAGE CONSTRUCTION DETAILS

DATE CREATED:	DRAWING SCALE:	DRAWN BY:	CHECKED BY:	QA CATEGORY:
15/11/2023	1-250	MWJ	-	1

DRAWING REF:	REV:
TC / T20775 / 23 / 161	B