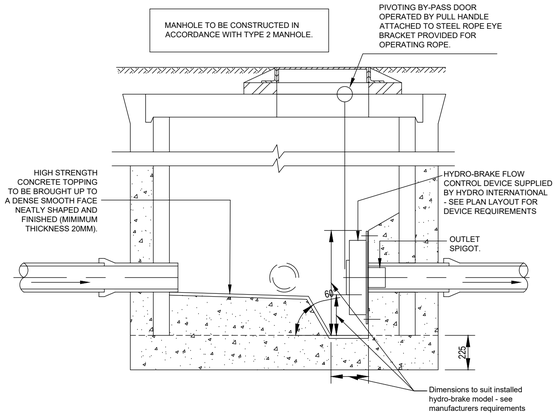
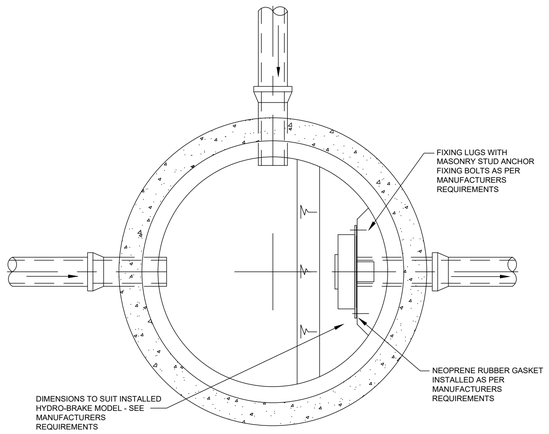
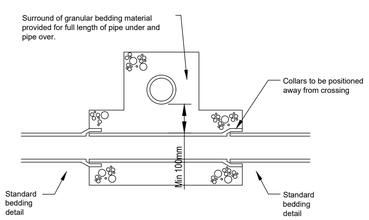
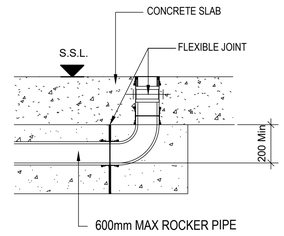




Typical Flow Control Hyrdrobrake) Detail

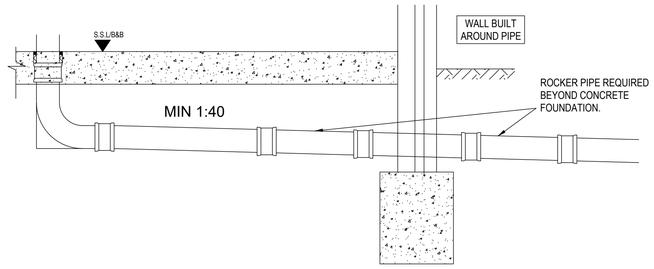


PIPE CROSSINGS DETAIL

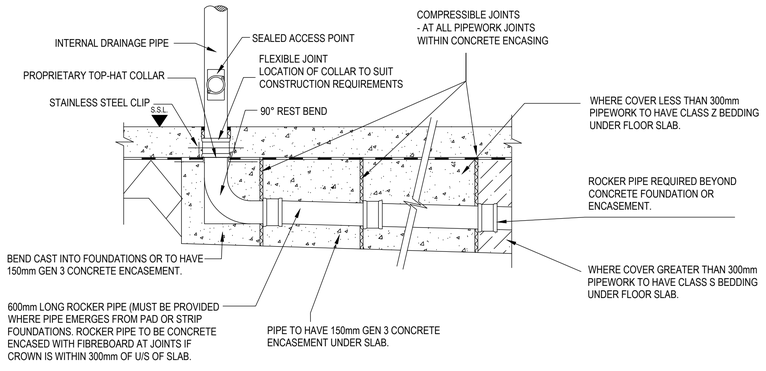


TYPICAL SECTION THROUGH SLAB (100mmØ downpipe)

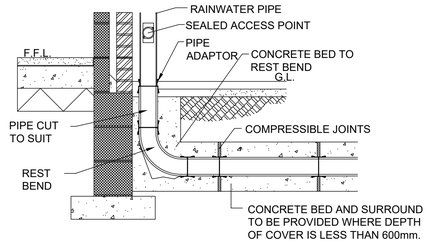
TYPICAL DETAIL WHERE DRAINAGE PASSES ABOVE GROUND BEAM



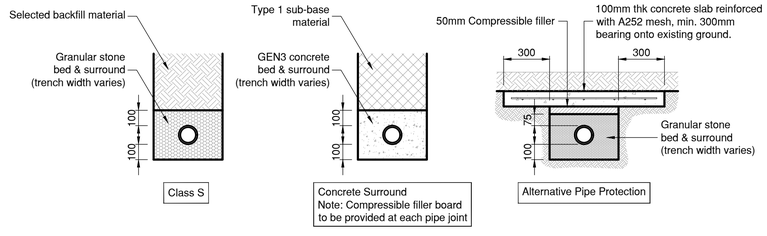
Bedding & Sidefill Materials For Flexible Pipes



Drainage Under Buildings

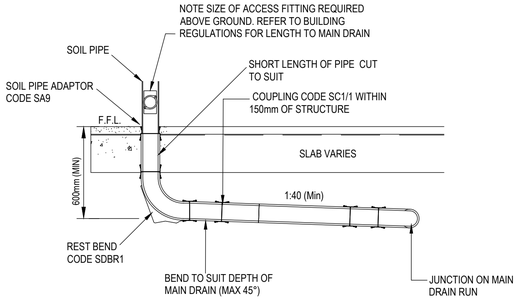


RWP Connection Detail

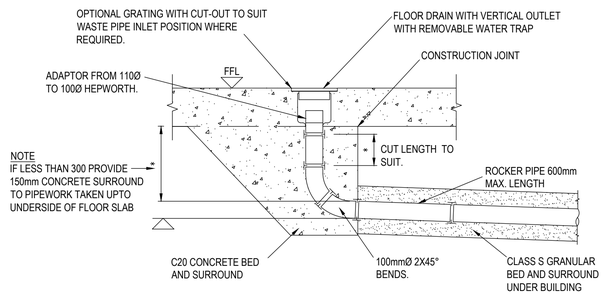


Pipe Bedding Details

(Scale 1:20)



TYPICAL SVP/SS CONNECTION TO MAIN RUN



TYPICAL INTERNAL FLOOR DRAIN

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.

DO NOT SCALE THIS DRAWING | A1

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REVISIONS

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
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CLIENT: COSMIC BUILD

PROJECT: STORE STREET, MANCHESTER

DRAWING TITLE: DRAINAGE DETAILS PART 2

DATE CREATED:	DRAWING SCALE:	DRAWN BY:	CHECKED BY:	QA CATEGORY:
29.08.2025	1:150 @A0	MWJ	MD	4

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