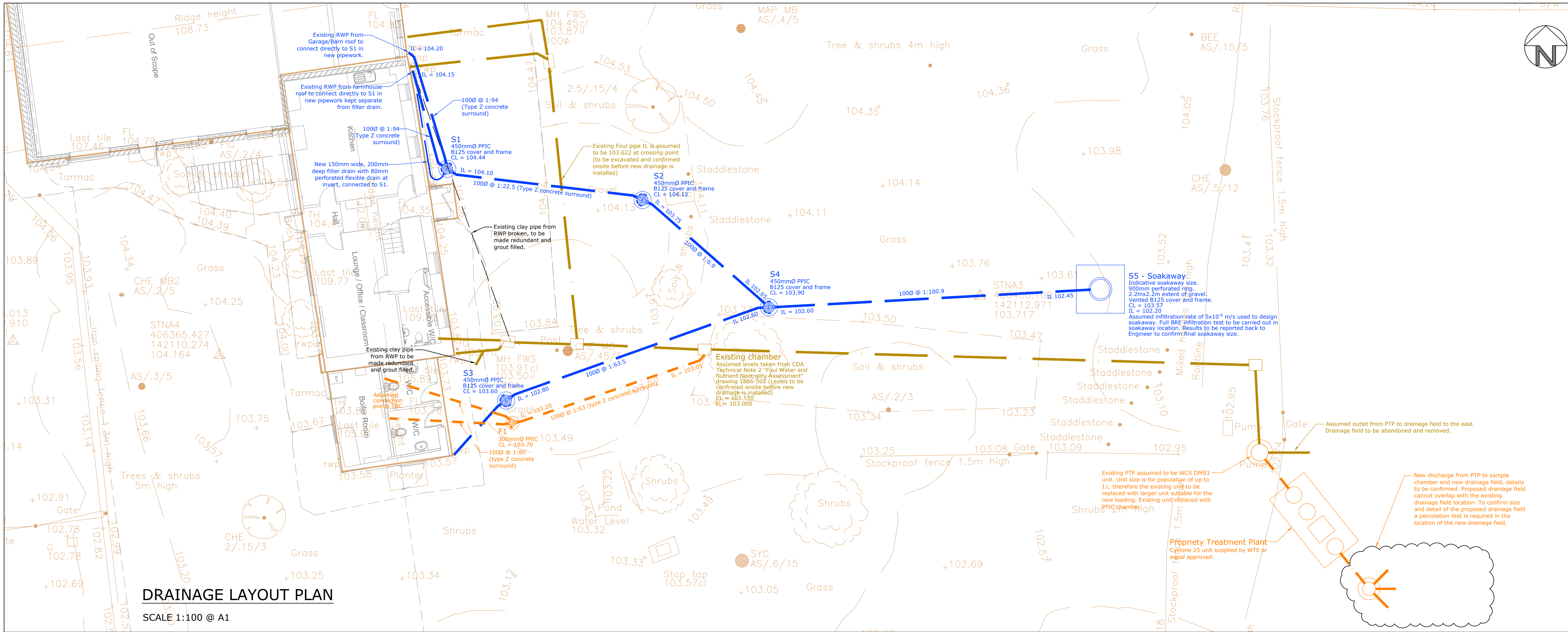
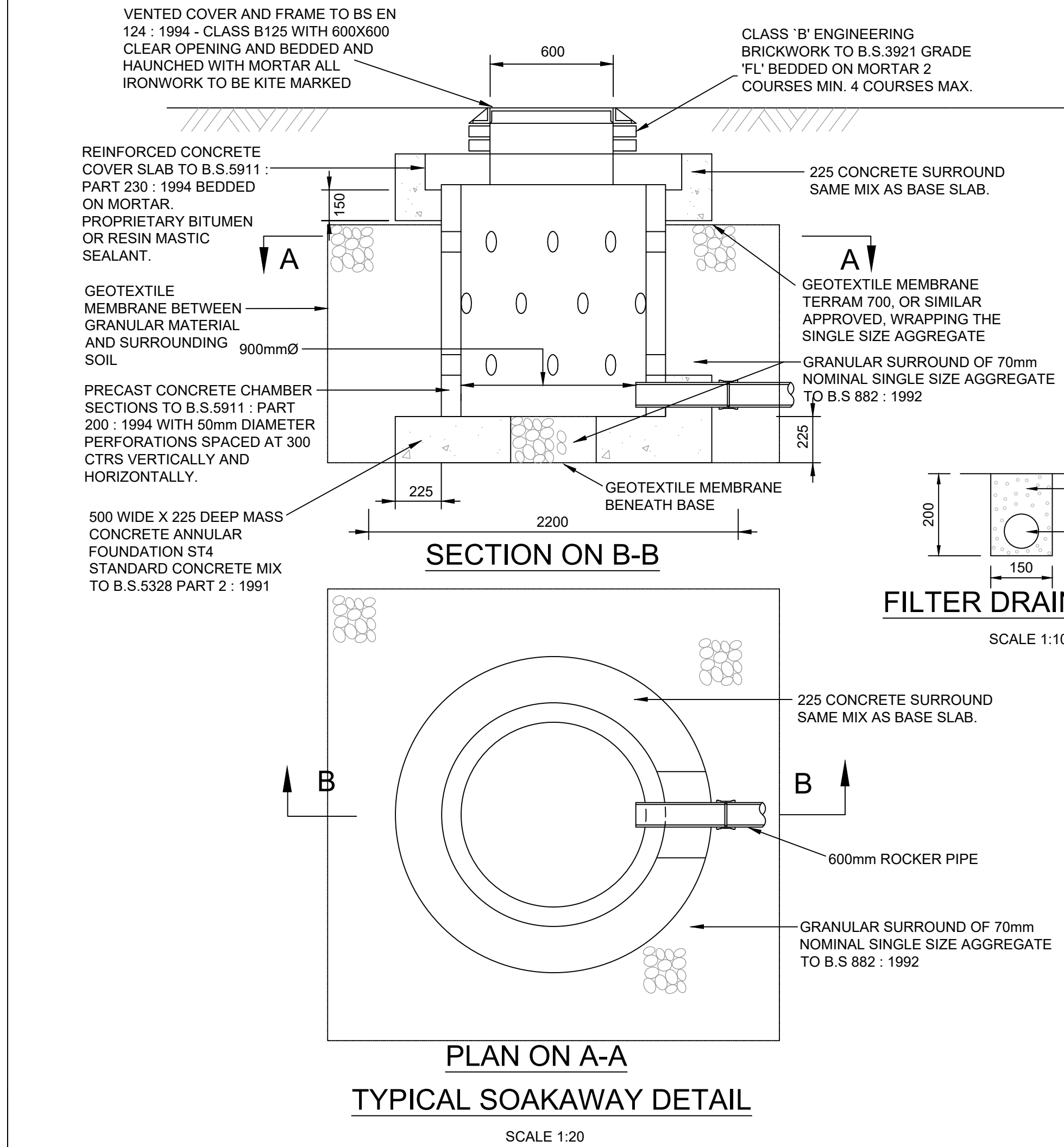




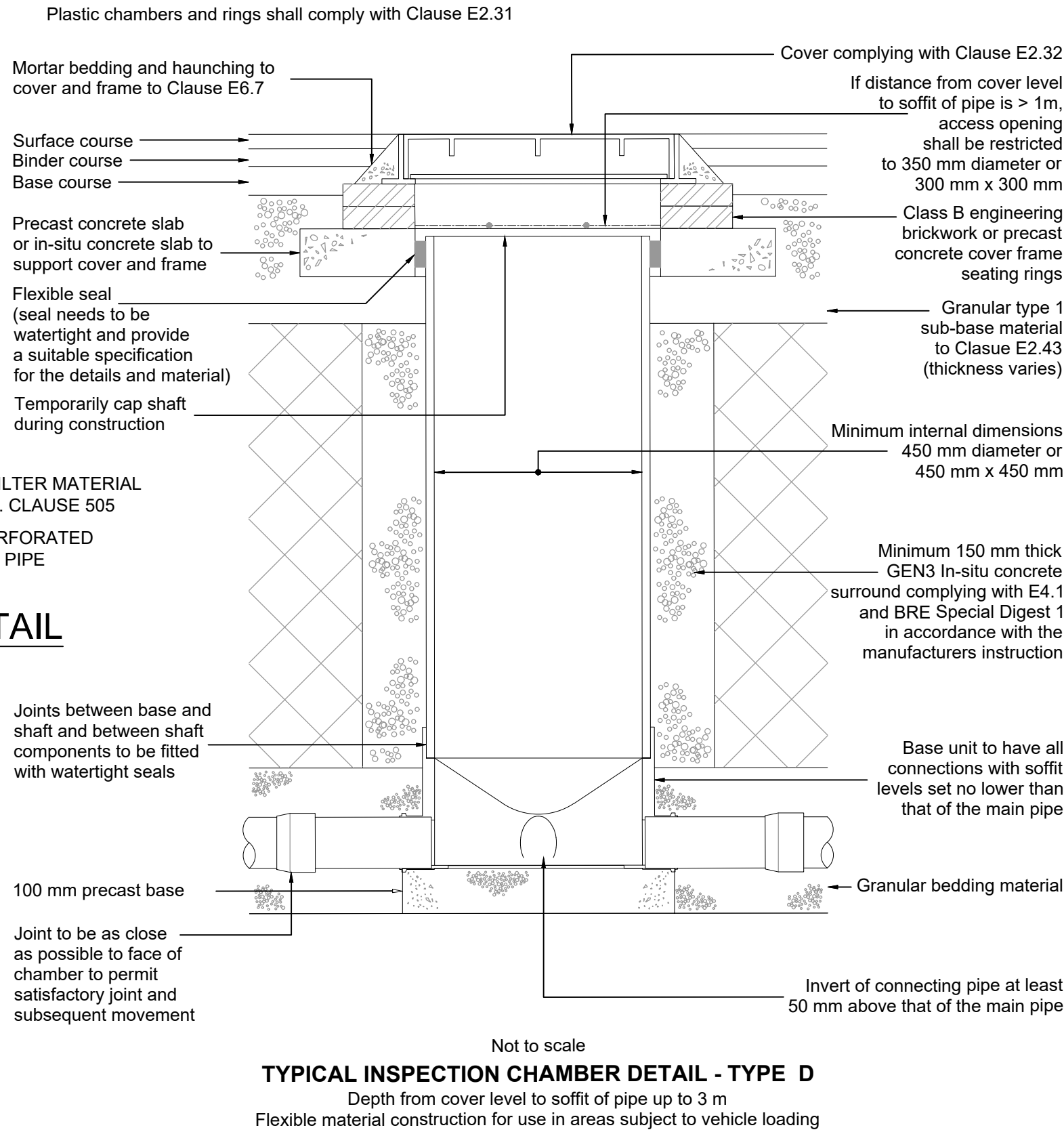
DRAINAGE LAYOUT PLAN

SCALE 1:100 @ A1



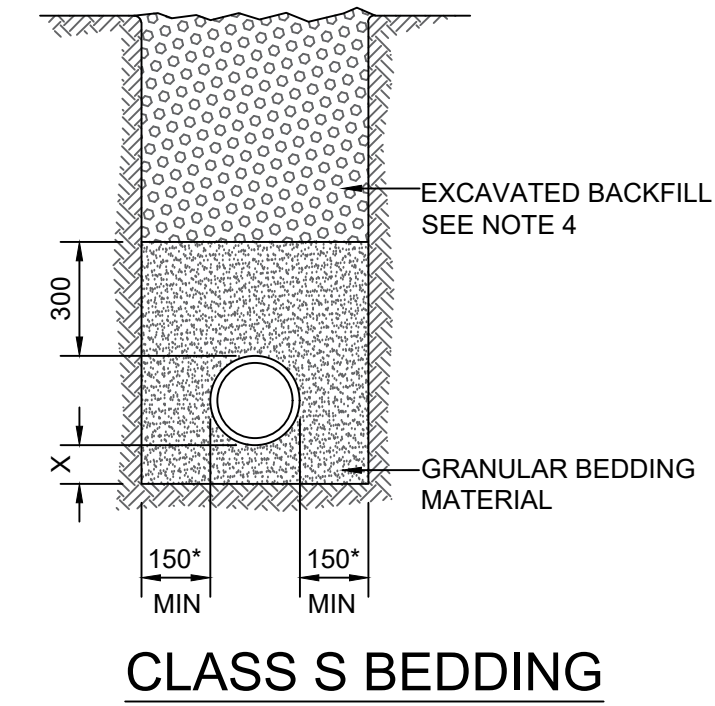
TYPICAL SOAKAWAY DETAIL

SCALE 1:20

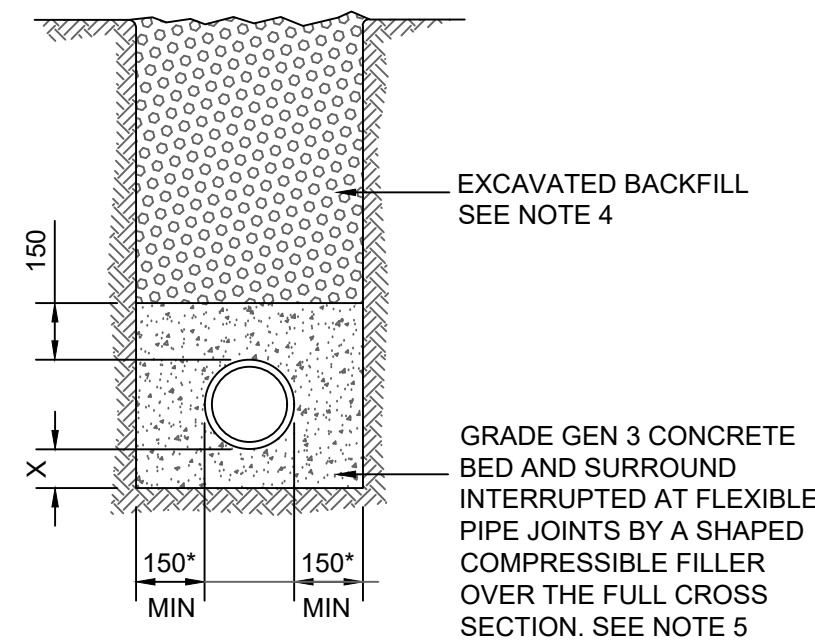


TYPICAL INSPECTION CHAMBER DETAIL - TYPE D

Depth from cover level to soffit of pipe up to 3 m
Flexible material construction for use in areas subject to vehicle loading



CLASS S BEDDING



CLASS Z BEDDING

BEDDING NOTES:

- * = 150 FOR PIPES DIAMETER UP TO 300mm,
* = 200mm FOR PIPE DIAMETERS OVER 300mmØ
BASED ON NARROW TRENCH THEORY: DESIGNER TO CONFIRM FOR SPECIFIC PIPELINE.
- 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.

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 OR 40 TO 5

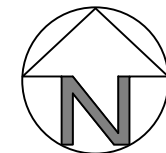
DIM X ≥ 100mm FOR PIPES ≤ 100mmØ
DIM X ≥ 150mm FOR PIPES > 100mmØ
DIM X ≥ 200mm FOR PIPES TRENCHES IN ROCK

- 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.
- TRENCH BACKFILL TO MEET HIGHWAY SPECIFICATION WHEN LAID IN ROAD OR FOOTPATH.
- COMPRESSIBLE FILLER SHALL BE BITUMEN-IMPREGNATED INSULATING BOARD TO BS 622-1. THICKNESS AS TABLE.

NOMINAL DIAMETER OF PIPE (mm)	THICKNESS OF COMPRESSIBLE FILLER (mm)
LESS THAN 450mm	18
450-1200mm	36
EXCEEDING 1200mm	54

TYPICAL PIPE BEDDING DETAILS

SCALE 1:20



DO NOT SCALE this drawing. Use figured dimensions only. The Contractor must check & verify all dimensions on site. Any discrepancies must be reported immediately to the Engineer for clarification before proceeding. This drawing is copyright and owned by Morgan Civil + Structural.

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION
Refer to the relevant Construction (Design and Management) documentation where applicable. It is assumed that all works on this drawing will be carried out by a competent contractor, working where appropriate to an approved method statement.

P02	15/12/2025	UPDATED TO THE LATEST INFORMATION	JB
P01	04/12/2025	INITIAL ISSUE	JB
Rev	Date	Description	By
Client			

Rider Levett Bucknall

Personage Farmhouse

CIVIL ENGINEERING
GENERAL ARRANGEMENT
SKETCH

Drawn	Checked	Approved	Date	Scale @ A1
JB	JE	JE	DEC 2025	1:100 (UNO)
Project No.	Drawing No.	Revision		
130170	130170-MCS-XX-SK-001	P02		