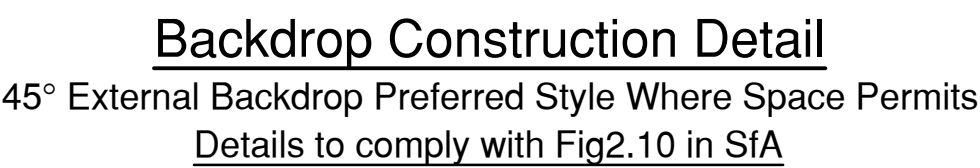




CHAMBER DIAMETERS		CRITICAL PIPE LENGTHS		BEDDING MATERIAL SIZE		
PIPE SIZE mm	CHAMBER DIAMETER mm	(for entering and leaving manholes) First joint as close as practicable		NOMINAL DIAMETER mm	SINGLE SIZE mm	GRADED mm
< 375	1200	NOMINAL DIAMETER mm	EFFECTIVE LENGTH m	100 to 125	10	-
375-700	1500			150 to 200	10 or 14	14 to 5
750-900	1800	150 to 450	0.5 to 0.75	225 to 300	10, 14 or 20	14 to 5 or 20 to 5
900-1200	2100	451 to 700	0.75 to 1.0	375 to 500	14 or 20	14 to 5 or 20 to 5
		750 and over	1 to 2 times the pipe diameter subject to a max. of half the standard pipe length	>500	14, 20 or 40	14 to 5 or 20 to 5 or 40 to 5
<u>VITRIFIED CLAY PIPES</u> to be to extra strength to BS65 size as shown on section drawing. <u>CONCRETE PIPES</u> to be to BS5911 Class of pipe and size as shown on section drawing						

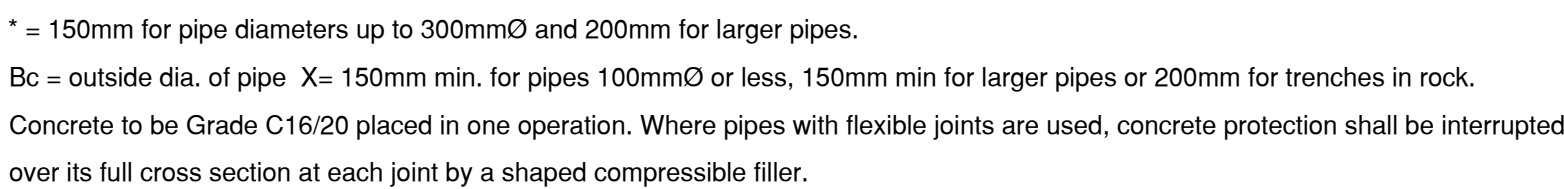


NOTES

1. This drawing is to be read in conjunction with S104 Adoption Layout, Foul Water Longitudinal Sections (DSM/E4761/201-202), Foul Water Manhole Schedules (DSM/E4761/412), other Drainage Construction Details and Domestic Drainage Layouts (DSM/E4761/****).
2. All dimensions are in millimetres unless stated otherwise.
3. Do not scale from this drawing. Only written dimensions are to be used.
4. Whilst main surface water drainage is to remain private, all construction to be in accordance with Sewers for Adoption - 6th Edition & Interim Addendum and Southern Water requirements.
5. Refer to geotechnical report for sulphate resisting class and ACEC class.
6. ***Outgoing pipes greater than 600mm dia. should be fitted with guard bars, safety chains [to BS4942:pt 2 and BS 729] or other safety devices in accordance with the Southern Water safety policy.***

CDM NOTES

1. EXISTING SERVICES. Depth of existing services must be determined prior to works commencing. The contractor is responsible for establishing underground services in accordance with HSE Guidance note HS (G) 47. Any services which would be within the proposed construction layers must be lowered to below the sub-base.



Refer to geotechnical report for sulphate resisting class and ACEC class.

1. All dimensions are in millimetres.
2. Dimension 'X' is the external diameter of the pipe.
3. The minimum or maximum width of the trench applies on and below a line 300mm above the outside top of the pipe. Above the 300mm line the trench backfill material shall be described as Clause 505 of SHW.
4. The concrete bed or surround may extend to the sides of the trench or be of minimum width. Class 8 material is to be used to fill any voids so formed.
5. For Type Z trench the concrete cover may be formed to a radius batter or horizontal surface. Minimum cover of concrete shall be 150.