



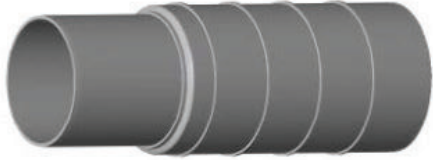
Typical Downpipe Installation

for M, H1, H2 & E Class Sites

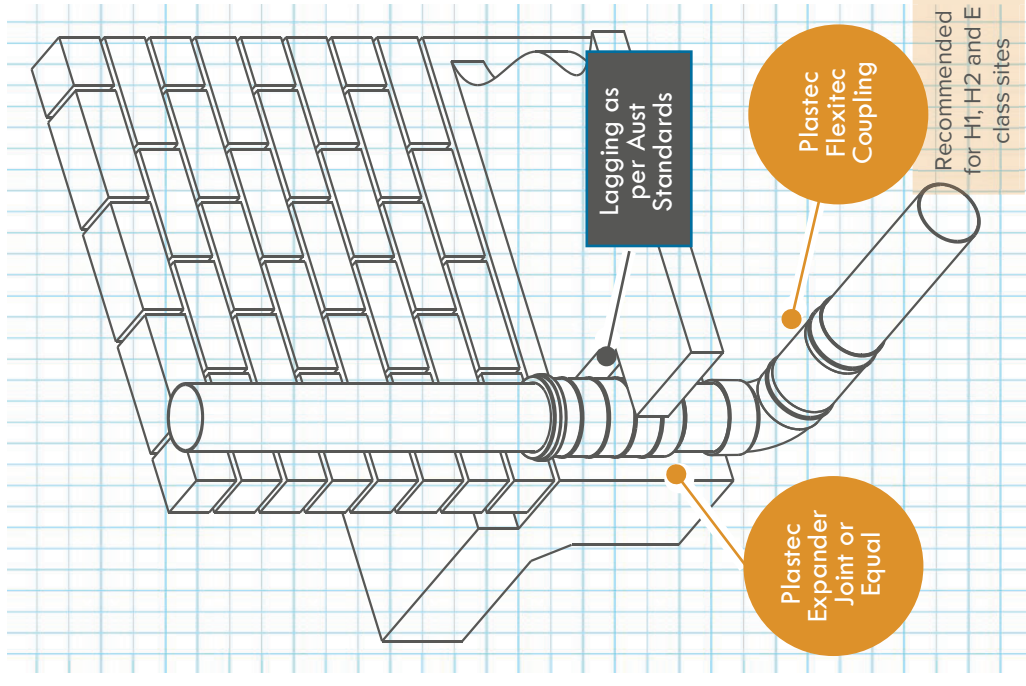
Important Notes for

Plumbing and Drainage in Reactive Clays and Unstable Soil Sites as per AS2870

- Drains shall incorporate flexible joints immediately outside the footing within 1m of the building perimeter. These flexible joints need to accommodate the amount of movement in any direction equal to the estimated movement of the site.
- These flexible joints must be set in the mid-position of their range of movement and must allow equal movement in any direction at the time of installation.
- This applies for all sanitary and stormwater discharge pipes.
- The base of trenches shall be sloped away from the building.
- Surface drainage shall be considered in the design of the footing system. Surface drainage of the site shall be controlled from the start of site preparation and construction.
- Sub-Surface drainage of the site shall be a minimum 1.5m from the building perimeter.



ID	Ø	INLET	OUTLET	MAX. EXPAN
15131	90	Pipe Size	Socket	100
18798	100	Socket	Socket	60
15130	100	Pipe Size	Socket	150
15642	150	Pipe Size	Socket	200
18823	225	Pipe Size	Socket	200



AS 2870 TABLE 2.3 CLASSIFICATION BY CHARACTERISTIC SURFACE MOVEMENTS (Y _s)	
CHARACTERISTIC SURFACE MOVEMENT (Y _s)mm	SITE CLASSIFICATION IN ACCORDANCE WITH TABLE 2.1
0 < Y _s ≤ 20	S
20 < Y _s ≤ 40	M
40 < Y _s ≤ 60	H1
60 < Y _s ≤ 75	H2
Y _s > 75	E