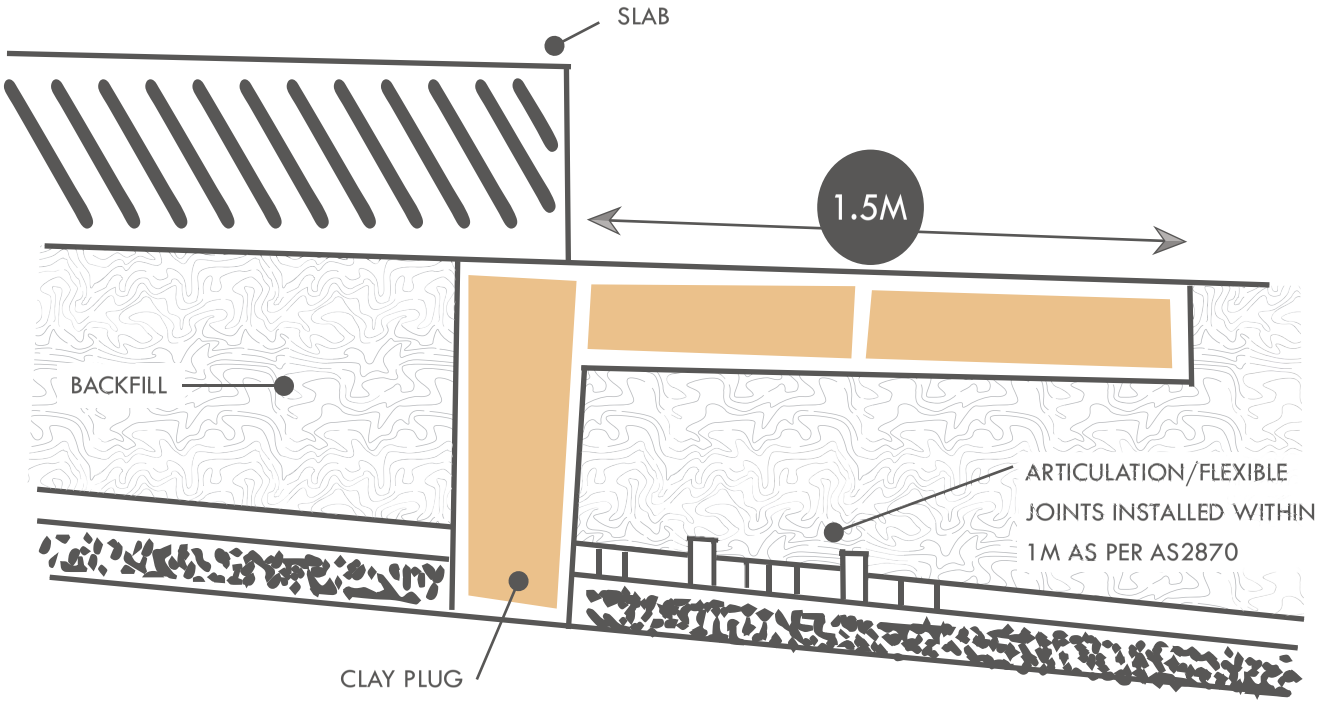
THE BASE OF TRENCHES SHALL BE SLOPPED AWAY FROM THE BUILDING. TRENCHES SHALL BE BACKFILLED WITH CLAY WITHIN 1.5M OF THE BUILDING. THE CLAY USED FOR BACKFILLING SHALL BE COMPACTED. AS2870 5.6.3(B)



WHERE PIPES PASS UNDER THE FOOTING SYSTEM, THE TRENCH SHALL BE BACKFILLED FULL DEPTH WITH CLAY TO ACT AS A BARRIER TO THE INGRESS OF WATER BENEATH THE FOOTING SYSTEM. AS2870 5.6.3(C)

AS 2870 TABLE 2.3
CLASSIFICATION BY CHARACTERISTIC SURFACE MOVEMENTS (Ys)

CHARACTERISTIC SURFACE MOVEMENT (Ys)mm	SITE CLASSIFICATION IN ACCORDANCE WITH TABLE 2.1
0<Ys ≤20	S
20<Ys ≤40	M
40<Ys ≤60	H1
60<Ys ≤75	H2
Ys >75	E

REQUIREMENTS 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.

TECHNICAL DATA

TYPICAL CLAY PLUG DETAIL

SOIL CLASS SITES: M H1 H2 E

PRODUCTS: 19696 - CARDBOARD BISUIT
19698 - CLAY PLUG 25KG BAG

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