

» plumbing and drainage factsheet

Information for plumbers and drainers in Ballina Shire

March 2017



» **Reactive soils / soil classification for internal and external drainage and stormwater drainage**

Soil foundation movements can cause problems with plumbing and drainage lines, both internal and external to the building.

Where drains are to be laid in filled, unstable or water-charged ground, methods of support and bedding shall be designed to withstand and suit the ground conditions.

The identification of soil classification is imperative to ensure adequate requirements are designed and implemented to AS3500 and AS2870.

Australian Standard (AS) 3500 requires specific plumbing techniques where a particular soil type exists, such as imported fill or reactive clays for Class P, H and or E site classifications (Refer AS 2870).

The soil classification is normally determined by a structural engineer and should be referenced in the relevant engineering documentation for the development.

Should Class "P", "H" or "E" soil exist, specific flexible plumbing and drainage line requirements will apply (References: AS3500 & AS2870) *unless formal engineering advice is provided stating otherwise.*

Prior to any works commencing the soil classification and any additional design requirements must be formally documented and included in the development reference documents.



If you have any questions or concerns please contact:

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