

**TASMANIA DEPARTMENT OF MINES  
UNPUBLISHED REPORT 1987/76**

## Proposed subdivision, Pitt Avenue, West Riverside

*by W. L. Matthews*

Land owned by the Housing Department, between Pitt Avenue and Pomona Road South, West Riverside, was examined at the request of the Municipality of Beaconsfield.

The land is situated in a valley between two hills. The property is generally low sloping although the slope is about 7° in the northern part in the vicinity of lots 1, 2, 3 and 4. The higher land is underlain by dolerite while the lower-lying land is underlain by brown clay of probable Tertiary age.

There is little risk of landslip affecting the site although care should be taken to ensure good drainage and deep unsupported cuts should be avoided in the steeper part.

Analysis of a sample of clay from near Pitt Street resulted in the following results:

Liquid Limit	125	Plastic limit	26
Linear shrinkage	22	Kaolinite	75%
Montmorillonite	15%	Lepidolite	10%

(Determinations by R. N. Woolley, Department of Mines)

These indicate that the clay is likely to have expansive properties and foundations should be designed to take this into account.

[18 August 1987]

