

**TASMANIA DEPARTMENT OF MINES
UNPUBLISHED REPORT 1977/56**

**Inspection of a proposed subdivision
at Craythorne Road, Rosevears**

by D. J. Sloane

A subdivision at Craythorne Road, Rosevears, is located in Zone III (potential landslip) of the Tamar Valley Landslip Zone Map. The area was inspected to assess the stability.

The slope and drainage conditions present on the proposed site are shown on Figure 1. There is evidence of seepage from a small gully along the south-western boundary of the block and the western corner of the block becomes very swampy during winter. The Beaconsfield Council apparently will not allow a septic tank system to be installed in this area.

Two holes have been augered which show the following.

	<i>Depth (m)</i>	<i>Description</i>
P1	0–0.6	Light brown-silty — 'A' soil horizon.
	0.6–2.0	Yellow-brown silty clay.
	2.0–3.0	Pale grey, silty clay with bright yellow-brown mottles. This clay is moderately plastic due to its moisture content.
P2	0–0.6	Fine, fawn sand.
	0.6–2.0	Grey clay with bright yellow-brown and orange-brown mottles. Moderate silt content and some iron concretions.
	2.0–3.0	Yellow-brown clay. Plastic due to low to moderate moisture content.

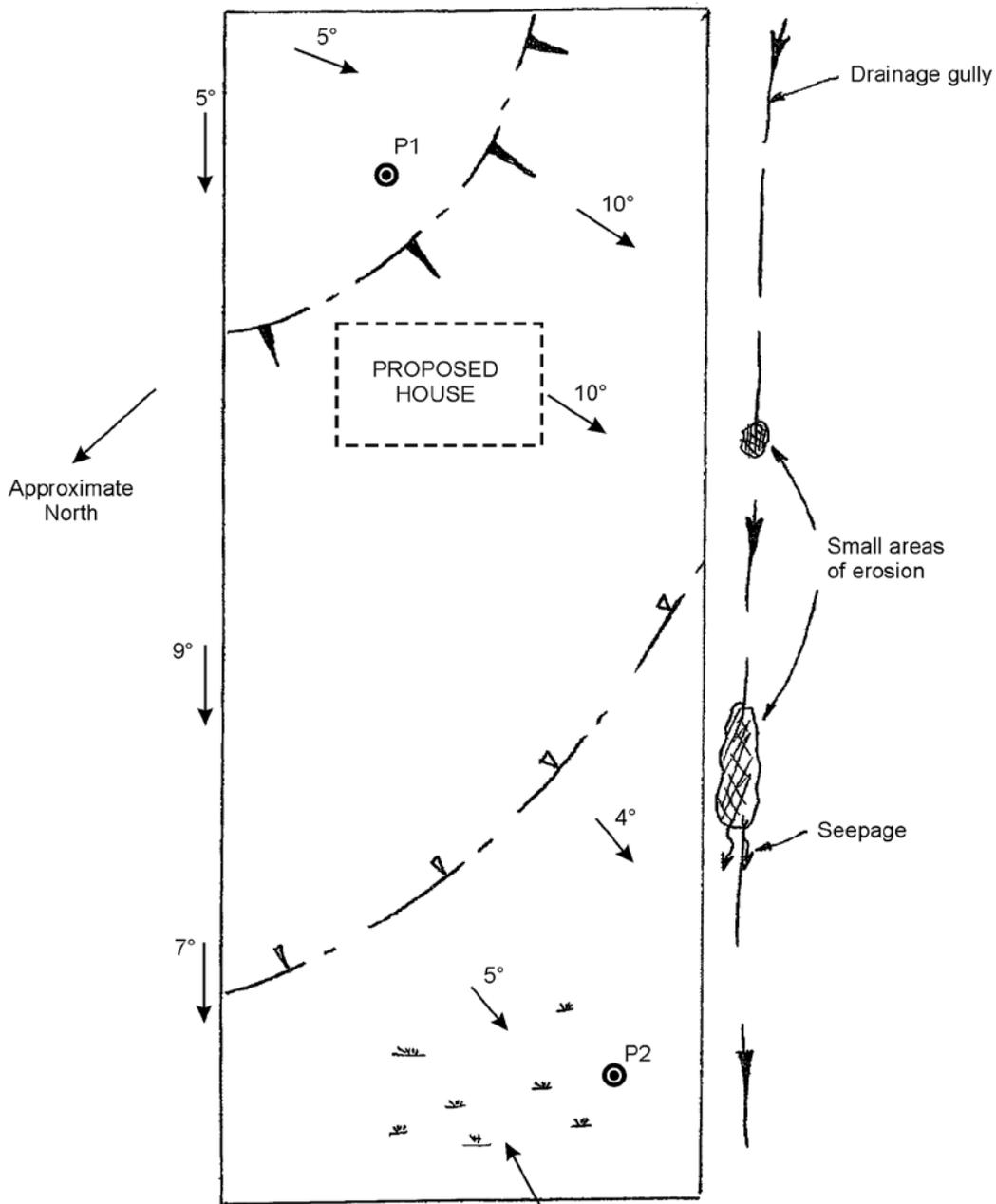
These pits show that clay is present at shallow depth and exhibits low to moderate plasticity between depths of 2.9 and 3.0 metres. In view of this, together with the fact that the septic tank system will have to be located on the 10° slope segment, it appears unwise to approve this subdivision. The surrounding area in general has morphological features indicative of old landslips and is similar to the Bradys Lookout region where landslips are currently active. Inspection of the remainder of the property could be conducted upon request, with the view of selecting a more suitable building block. Such an area would be required to have a region of shallow slope (less than 7°) large enough to accommodate the house and septic tank sewerage system. The area just to the south-west of the present proposal may be suitable.

[28 February 1977]

E. W. L. and C. M. WALDRON — CRAYTHORNE ROAD

Geologist: D. J. Sloane

0 10 20 m



Key

-  Slope angle and direction
-  Break of slope — downslope side indicated
-  Break of slope — upslope side indicated
-  Auger hole location

Swampy area — winter conditions
N.B Council will not approve septic tank
installation in this area (pers. comm.)

Figure 1

APPENDIX 1

The area was re-examined in March. It is advised that the proposed residence be located in the area shown on Figure 2. A suitable area for the location of a French drain system for sewage effluent disposal is also shown on the sketch map. A drainage easement will be required if this area is to be used.

[25 March 1977]

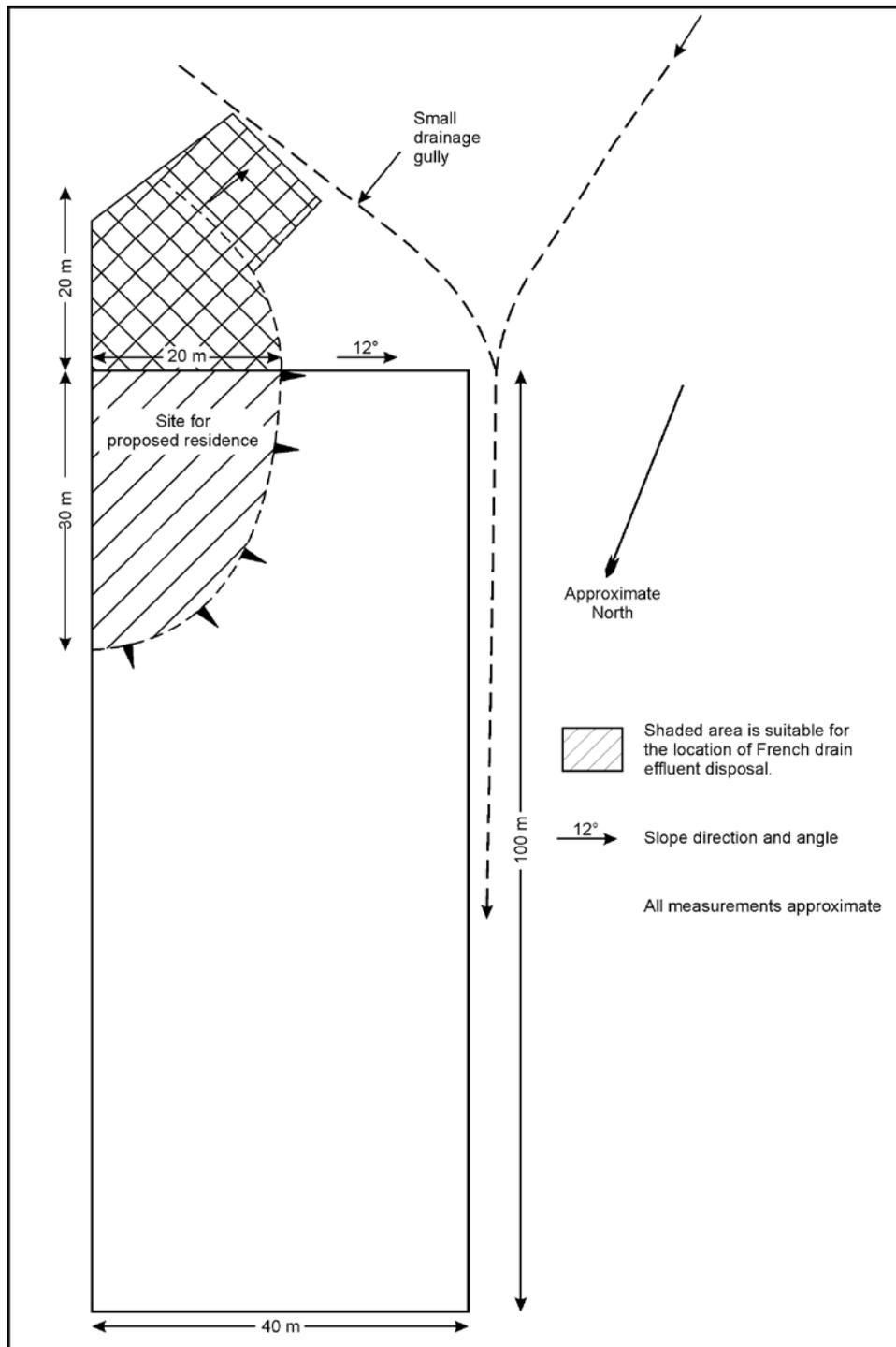


Figure 2