



SITE CLASSIFICATION

Lot 1 PS849704 Sharkeys Road, Port Fairy, VIC



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1. Introduction

This is a residential site classification in accordance with the provisions of *AS2870-2011 Residential slabs and footings*. This report has been produced by Holmes McLeod Consulting Engineers to classify the soil for building construction works at Lot 1 Sharkeys Road, Port Fairy.

2. Description of Development

It is proposed that a new residence shall be constructed on this site.

3. Site Data

a) Levels	None taken.
b) Average Fall (Estimated)	Slight fall to South East.
c) General Soil Moisture Conditions	Moist.
d) Trees on Site	None.
e) Access	Good.
f) Surface Cracks	No.
g) Excavation Difficulty	Easy.
h) Water Table	Not Encountered.
i) Fill	No.
j) Site Drainage	Good.
k) Soil Drainage	Good.
l) Rock Encountered	No.
m) Local Knowledge	Known reactive clays and stable sands in area.

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4. Site Plan



5. Borehole Logs

Bore Hole 1				
<u>Depth (m)</u>	<u>Moisture</u>	<u>Consistency</u>	<u>Estimated Bearing Capacity (kPa)</u>	<u>Soil Description</u>
0 – 0.75	Moist	Moderately Dense	100	Dark Grey Sandy Loam, Fine Grain, with Sandstone Gravel
0.75 – 0.8	Moist	Firm	100	Sandstone Gravel, Small
0.8 – 1.3	Moist	Moderately Dense	100	Brown Silty Sand, Medium to Coarse Grain
EOH				End of Hole
Bore Hole 2				
<u>Depth (m)</u>	<u>Moisture</u>	<u>Consistency</u>	<u>Estimated Bearing Capacity (kPa)</u>	<u>Soil Description</u>
0 – 0.75	Moist	Moderately Dense	100	Dark Brown Silty Sand, Medium to Coarse Grain
EOH				Refusal at Sandstone Obstruction

6. Site Classification

This site may be classified as Class 'A' or Stable in accordance with AS2870 - 2011.

Estimated $Y_s = 0$ to 5mm.

Important Notes

1. Cutting site will not alter the site classification.
2. Two borelogs have been dug on this site, where shown on site plan. Whilst every attempt has been made to identify any abnormal conditions, such as underground tanks, uncontrolled fill, organic material etc, we cannot guarantee that abnormal conditions are not present on this site. If abnormal conditions or soft or loose soils are encountered during footing excavations refer back to engineer.
3. Founding depths to be as per recommendations contained in AS2870 - 2011 Residential Slabs and Footings Code. For Raft Slabs;- On sites subject to wind or water erosion, the minimum depth below ground of the edge beam or footing shall be 300mm and the slab edge shall be protected. Otherwise 100mm is adequate. For strip and pad footings the minimum depth given in AS 2870 (Ds & Df) is adequate.