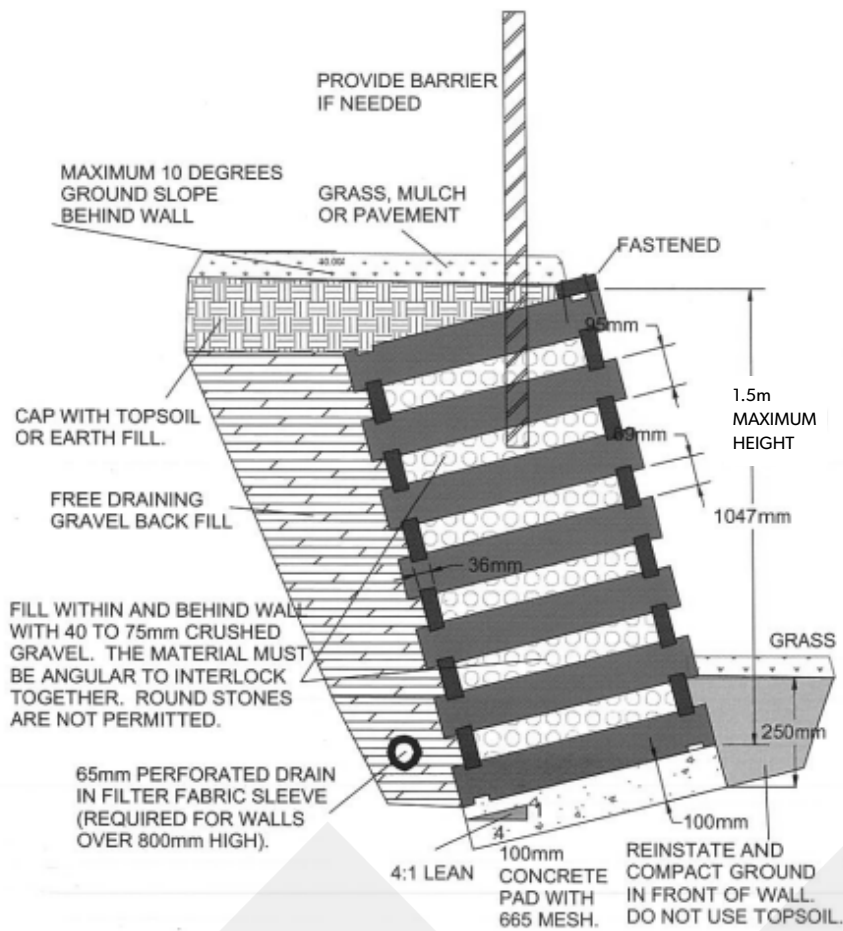




Prolam® Crib Walls

Easy to Install DIY retaining wall system Step By Step Installation Guide



GUIDANCE NOTES FOR ULTRA CRIB

Before starting construction it is advisable to check with your local council whether a building consent is required. A building consent will be required when building on a boundary, close to existing buildings, adjacent to areas with vehicle access, on steep ground or in areas of known land instability. Resource consent may also be required if building within special hazard areas.

SITE REQUIREMENTS

The following ground conditions are considered suitable:
 Firm clean sand or gravels
 Firm clay or gravelly clay.

The ground behind the wall:
 Must not slope more than 10 degrees
 Must not be surcharged.



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1

Marking Out and Excavation

Mark out the wall footprint and dig out sufficient earth to enable the pouring of a reinforced concrete foundation. Depth of concrete should be 100mm with a 4:1 lean.



2

Begin Building

Lay the first row of notched components on the concrete foundation, the first two at 200mm centers and the rest at 500mm centers. Lay the first row of horizontal components in the notches, starting with a 1.1 on the front side of the wall and a 2.2 at the back. Continue building the wall alternating horizontal components ie. row 1 starts with 2.2, row 2 starts with 1.1 etc.



3

Place the Gravel

Place a 65mm perforated drain pipe at the bottom. Fill within and behind the wall with 40-75mm crushed angular gravel. Continue gradually as the wall is erected.



4

Finishing Off

Once the intended height is achieved, finish by installing long horizontal components along the top of the wall in the front notches, and one behind it on its flat. Fasten these together with galvanised nails.



5

The Final Touches

Fill over the top of the wall as desired with lawn, pavement or bark etc.



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Engineered Laminated Timber