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

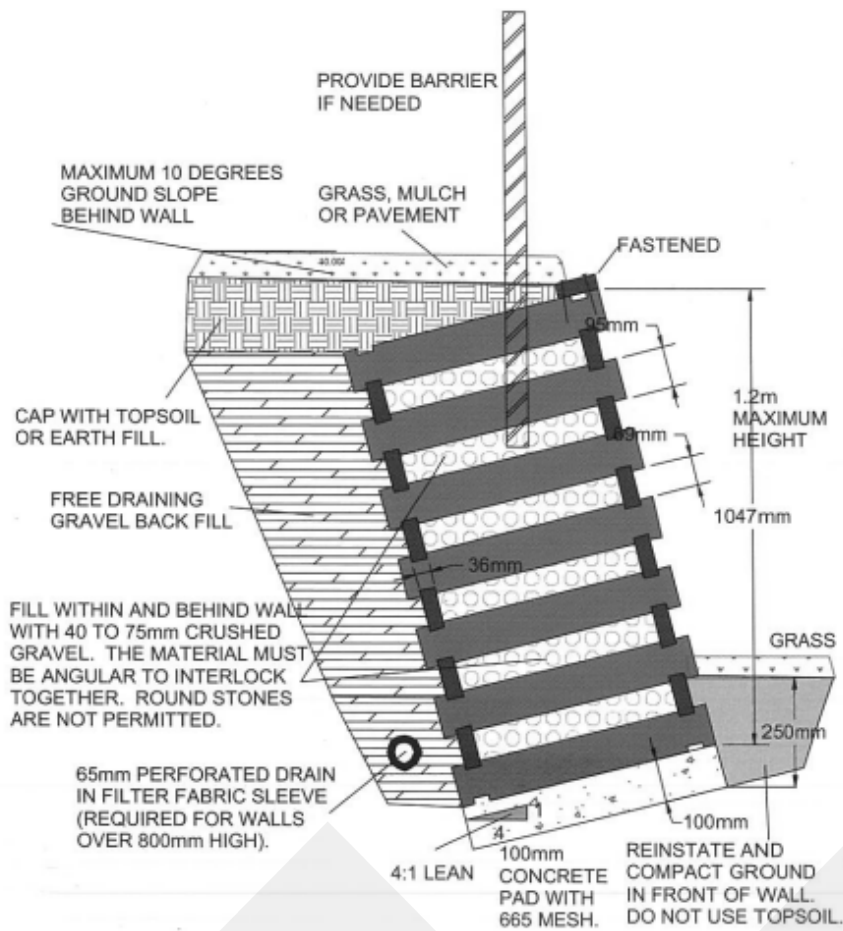*Fill over the top of the wall as desired with lawn, pavement or bark etc.*

Prolam®
Engineered Laminated Timber

PROVIDE BARRIER IF NEEDED

MAXIMUM 10 DEGREES GROUND SLOPE BEHIND WALL

GRASS, MULCH OR PAVEMENT

FASTENED

95mm

1.2m MAXIMUM HEIGHT

69mm

1047mm

CAP WITH TOPSOIL OR EARTH FILL.

FREE DRAINING GRAVEL BACK FILL

36mm

GRASS

FILL WITHIN AND BEHIND WALL WITH 40 TO 75mm CRUSHED GRAVEL. THE MATERIAL MUST BE ANGULAR TO INTERLOCK TOGETHER. ROUND STONES ARE NOT PERMITTED.

250mm

65mm PERFORATED DRAIN IN FILTER FABRIC SLEEVE (REQUIRED FOR WALLS OVER 800mm HIGH).

4:1 LEAN

100mm CONCRETE PAD WITH 665 MESH.

100mm

REINSTATE AND COMPACT GROUND IN FRONT OF WALL. DO NOT USE TOPSOIL.

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 gravely clay.

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

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			Scale: 1 : 20	Sheet: 1

Prolam® Crib Walls

Easy to Install DIY retaining wall system

Step By Step Installation Guide