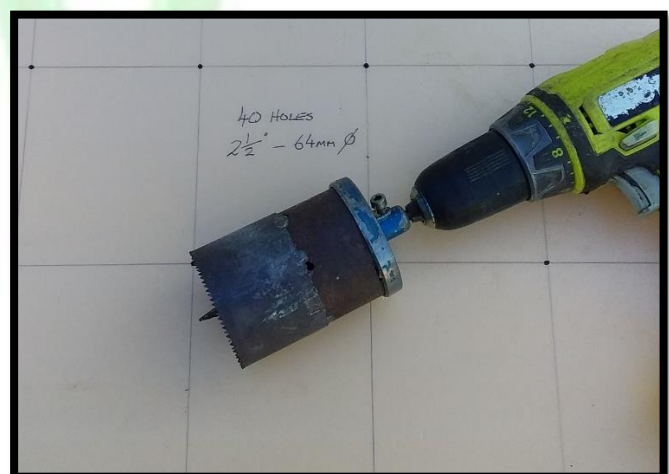
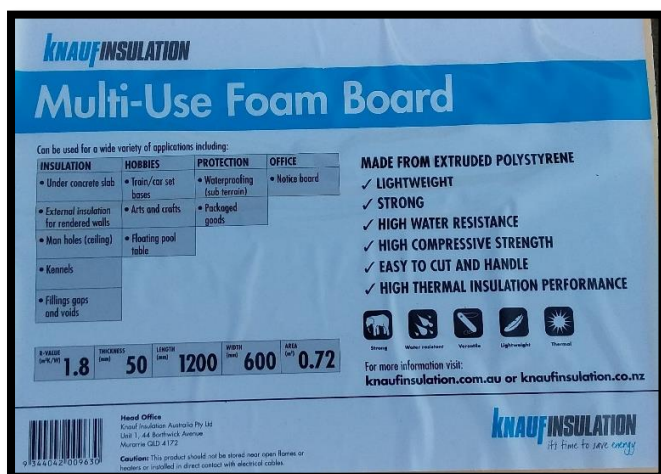


## FABRICATION INSTRUCTIONS

The following step by step instructions are provided to you free of charge by GAVG. For more information about GAVG and the many uses of Vetiver please visit our website at [www.gavg.com.au](http://www.gavg.com.au)

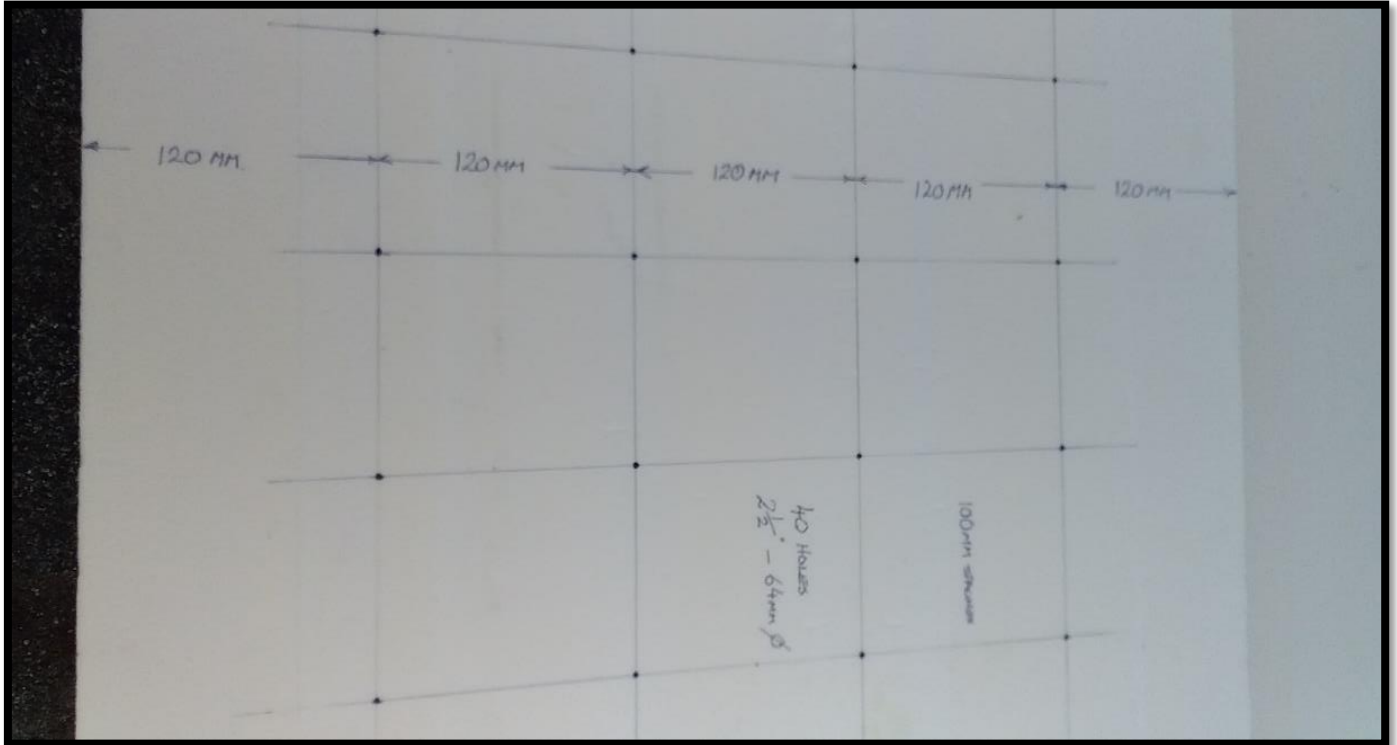
## MATERIALS

- Multi-Use Foam Board (1200mm x 600mm x 50mm). These can be purchased from Bunning or similar wholesaler/retailer. Pictured below is the brand we sourced from Bunnings.
- Drill
- 4-6mm Drill bit
- 2½ inch (63mm) Hole Saw bit (pictured below)
- Measuring tape, ruler and marker (pen or texta)
- Telstra Rope or similar
- 40 Pots (60mm diameter bottom, 70mm diameter at the top and 100mm high)
- Potting Mix
- 40 Vetiver Slips



## METHOD - PONTOON

1. Mark out board in a 120mm x 100mm checker board style on the board. See below.



2. Mark out 4 rope holes, 1 in each corner, 75mm in from corner. See below

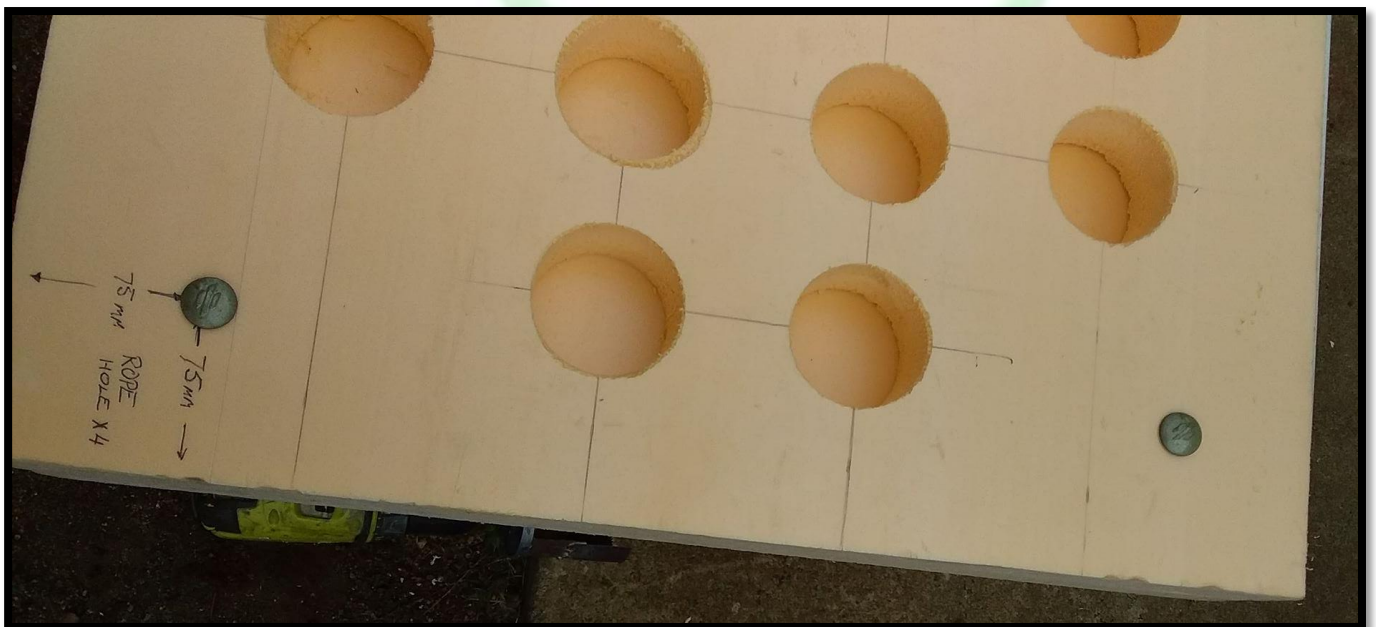


3. Drill pilot holes in each intersection (note that only 2 holes are drilled at each end of the board to allow room for the rope holes – see image below).

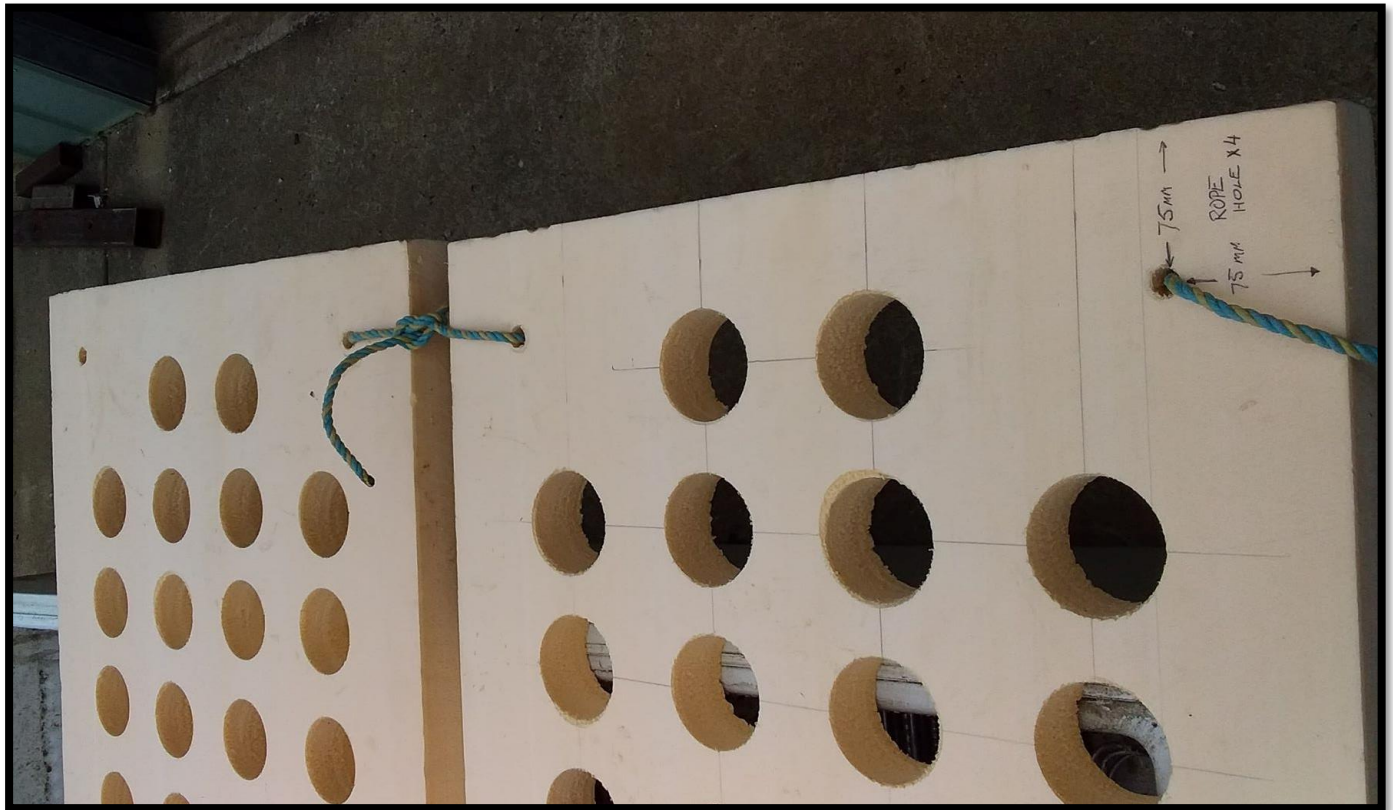


4. Drill the 4 x rope holes (as show above).
5. Use hole saw to cut out holes required to insert pots. You will need to cut both sides as the hole saw will not penetrate the full width of the board if you cut from just one side (see image above).
6. If you are making more than 1 board, use this cut out board as a template to cut the rest. Start by drilling the 4 rope holes in your 2<sup>nd</sup> board, bolt/tie together with the 1<sup>st</sup> board (you can use any long, sturdy item to keep your boards aligned). You can now cut the holes safely with both boards aligned and secured. (see images below)

Just remember, it doesn't need to perfect – as long as the holes are spaced far enough apart for the pots it will be fine.



7. Repeat step 5 on the opposite side to drill all the way through the 2<sup>nd</sup> board.
8. Repeat step 5 and 6 until you have the required number of boards for your pontoon.
9. Using the rope, tie your boards together into whatever configuration is suited to the size/dimensions of the body of water you are putting it in. We have used a ring for our dam however, if you have a creek you may prefer to tie them together in a long chain (see images below).



## PLANTING OUT YOUR PONTOON

1. Pot off each slip into the pots with the potting mix and water.
2. Continue to water your vetiver until the roots poke through the bottom of the pot. This step is very important, the roots must be developed enough before being submerged in water for long periods.
3. You are now ready to put your vetiver into the pontoon and place in your body of water. Use additional rope to tie off your pontoon to a stake/tree/post so you can retrieve your pontoon when required.

## ABOUT GREENACRES VETIVER GRASS

Greenacres Vetiver Grass (GAVG) is a family owned business specialising in Vetiver Solutions that restore the Australian environment. Using the unique Vetiver System, we are able to support numerous positive environmental outcomes including but not limited to, erosion control, land stabilisation, soil regeneration and water filtration.

Further to our consultation service, we also grow and sell Vetiver Grass Slips directly to the public in both small and large quantities. With very few suppliers in Australia, Greenacres are proud to be one of the primary growers in Queensland.

## ABOUT VETIVER

Vetiver Grass (*Chrysopogon zizanioides*) is a clumping grass. The grass has a dense root system that grows straight down to depths of 5 metres. It can only be planted from new shoots (slips) as the seeds in the flower head are sterile.

Native to India and the Asian subcontinent, Vetiver has been in Australia for over 60 years. The success of the Vetiver System is largely due to the plants unique morphological and physiological attributes.

## Morphological Attributes

- Large, deep, fast-growing root system capable of reaching 3.6m deep in 12 months in good soil.
- Deep roots ensure great tolerance to drought, allow excellent infiltration of soil moisture and penetrate compacted soil layers
- Roots structure increase the volume of rhizosphere for bacterial and fungal growth and multiplication = good healthy soil
- Vetiver's erect, stiff shoots can grow to three meters. When planted as a hedge they form a living barrier that retards water flow and acts as an effective bio-filter, trapping both fine and coarse sediment

## Physiological Attributes

- Highly tolerant to soil high in acidity, alkalinity, salinity, sodicity and magnesium
- Highly tolerant to Al, Mn, and heavy metals such as As, Cd, Cr, Ni, Pb, Hg, Se and Zn in the soil and water (Truong and Baker, 1998).
- Highly efficient in absorbing dissolved N and P in polluted water
- Highly tolerant to high levels of N and P nutrients in the soil
- Highly tolerant to herbicides and pesticides.
- Breaks down organic compounds associated with herbicides and pesticides.
- Regenerates rapidly following drought, frost, fire, saline and other adverse conditions

*All information about Vetiver including extensive studies and applications are available online. Search The Vetiver Network International (TVNI) for more detailed information.*

## **ACKNOWLEDGEMENTS**

Some information presented in this document is sourced from The Vetiver Network International (TVNI) and we would like to thank those that contributed to the successful use of Vetiver to improve our environment for future generations.