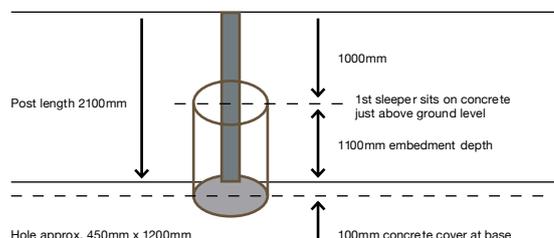
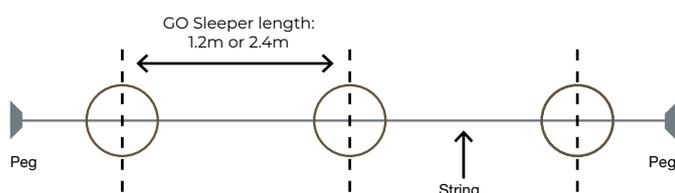


# RETAINING WALL POSTS INSTALLATION INSTRUCTIONS



## GO SLEEPERS / HEAVY DUTY STRUCTURAL RETAINING WALL POSTS



### 1 Set-Up

- Set pegs 500mm past the ends of wall and set a string line.
- Distance between the posts should be either 1.2m or 2.4m depending on the GO Sleeper size.



### 2 Dig Holes

- Dig holes 450mm diameter.
- Height should be 1/2 the post plus 100mm.
- Place posts in the hole and level according to the string line.
- Minimum concrete grade 25MPa to cover at least 100mm at the bottom of the post hole. Check levels and brace.
- Let the concrete set/cure.
- Backfill.

### 3 Install Sleepers

- Dig a trench between the posts along the string line and prepare a concrete footing to sit slightly above ground level.
- Place the first sleeper on the concrete footing.
- Place the remaining sleepers.

### 4 Drainage and Backfill

- Place non woven geotextile fabric or plastic waterproof membrane looping it over the sleepers.
- Dig a trench for the ag pipe lower than the base of the wall about 75mm from the back. The trench should be wide enough for the pipe and the gravel. The pipe should follow the natural slope of the trench with a 1 in 100 fall or a 1cm drop for every metre of wall.
- Place the ag pipe into the trench on top of the geotextile material. Ensure the pipe is laid with the perforations face down, this allows water to enter from the bottom and prevents the holes clogging with soil. A pipe with a sock provides an extra layer of protection from clogging.
- Fill the trench with coarse gravel (particle size of 10-20mm) to cover the ag pipe to a depth of 300mm.
- Once the ag pipe is fully covered with gravel place the remaining geotextile material over the top (leaving the side overhanging the sleepers).
- At the lowest point of the drainage system install a water outlet. Make sure it is positioned to direct water away from the wall and other structures.
- Once you are happy with the drainage system, you can fill with soil. When the soil is near the top, trim the overhanging geotextile fabric from the top of the sleepers so that it is not visible from the front.

