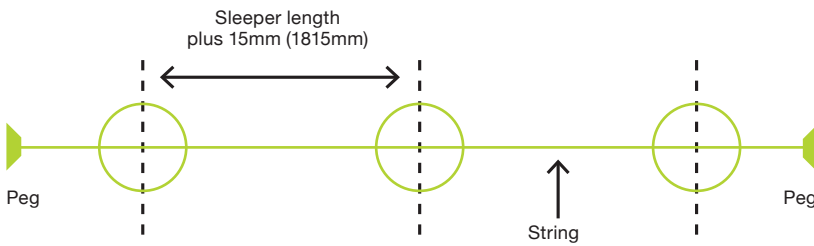


ASSEMBLY AND INSTALLATION

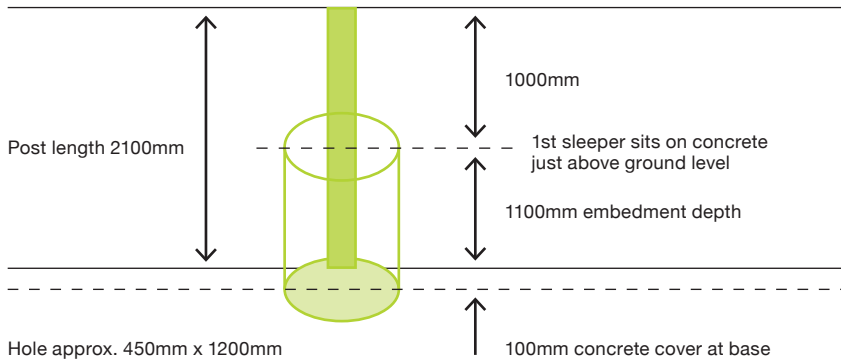
STEP 1: Setup

Use a string line to ensure correct alignment and set pegs about 500mm from the ends of the retaining wall.



STEP 2: Post Holes

The post holes into which the retaining wall posts will be placed shall be 450mm diameter with minimum 100mm concrete cover below the post. Footing depth is typically equal to the height of the retaining wall. For this example, therefore, the post hole is 1200mm.



STEP 3: Alignment & Concrete

Once the holes are ready, place post and align with a spirit level. Fix a timber guide rail along the string line to ensure the concrete levels are all equal. The timber rail guide can also be used to stabilise the retaining wall post during concrete pouring.

Pour concrete into holes and level.



STEP 4: Installing Sleepers

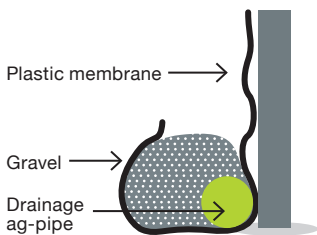
After the concrete has cured, place the first sleeper and check alignment. Packing material may be required to ensure the sleeper is level. The first sleeper rests on the concrete surface slightly above ground level.

The remaining sleepers can now be added.



STEP 5: Drainage & Backfill

Place non woven geotextile fabric or a plastic waterproof membrane material behind the retaining wall. Position the ag-pipe at the bottom of the wall and fill with gravel to approx. 300mm deep to allow for drainage.



STEP 6: Caution

Although timber sleepers are designed to retain the soil load behind the wall, they are not designed to take extra loads due to placement of machinery or heavy equipment directly behind the wall. It is recommended that no additional loads be placed within 1m of the wall edge.

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