Sunset Sleepers
Concrete Sleepers

Concrete Sleepers

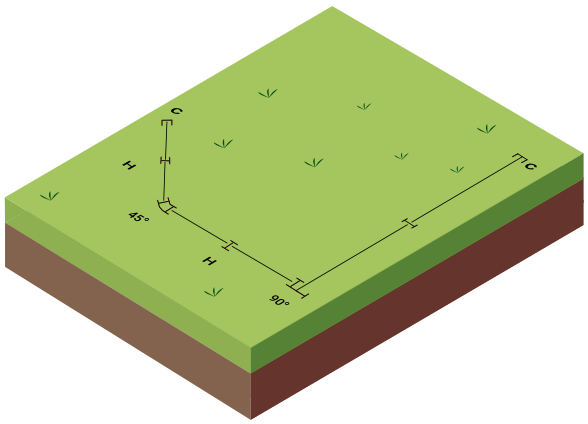
INSTALLATION GUIDE

The below installation guide is prepared for illustrative purposes.
It only applies to retaining wall projects that do not require council approval or engineers advice.

Always check with your local council for the correct and current regulations in your area.

1 Preparing the area

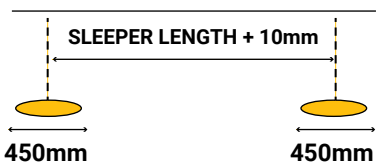
Clear and level the area where the retaining wall will be built.
Leave at least 250-300mm behind the retaining wall area for backfill.

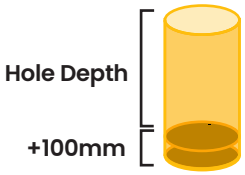


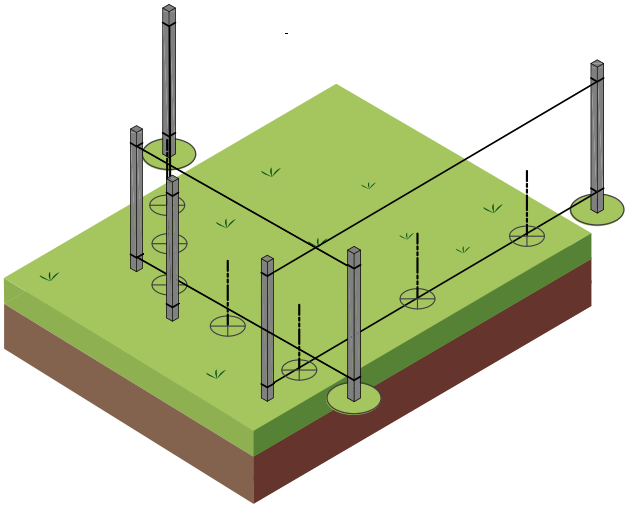
2 Preparing the holes for the steel posts

Set pegs at both ends of the retaining wall site. Connect each peg with a string line to ensure that your wall is properly aligned. Mark the holes, starting from one end of the wall and marking a cross on the ground 10mm longer than the length of the sleeper (measured at the back of the sleeper).

Prepare the holes with a diameter of 450mm. Dig the holes for the needed length of the steel plus another 100mm underneath.



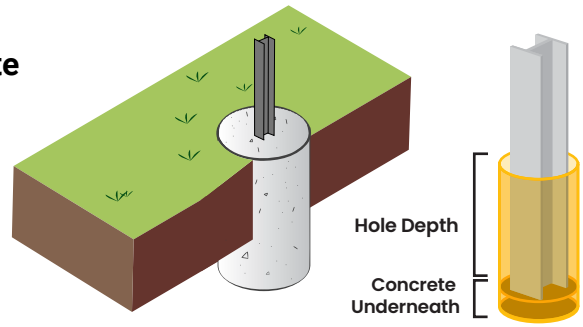




3 Placing the steel posts and pouring concrete

Timber props are recommended to ensure proper steel spacing. Make sure the steel is square and straight; the use of a level or laser is also recommended. Pour concrete into each hole ensuring it is completely covered on all sides and underneath the steel. Do not overfill the holes.

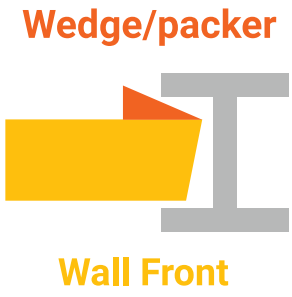
A good practice is to lean back the steel posts 30mm per metre height.

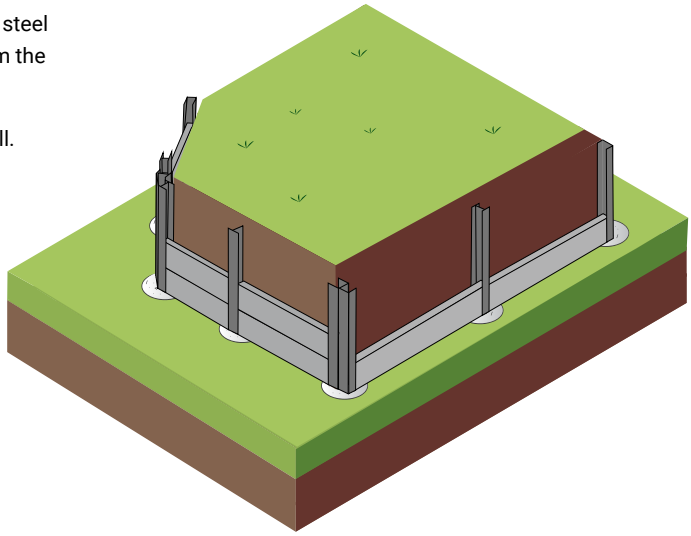


4 Installation of sleepers

After the concrete has cured, place the first sleeper between the steel posts. Use packing to adjust level so that the distance down from the top of the steel post is the same on both sides.

Use wedges to bring the sleepers to the front of the retaining wall.

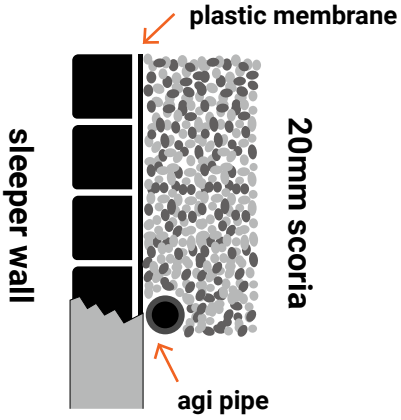


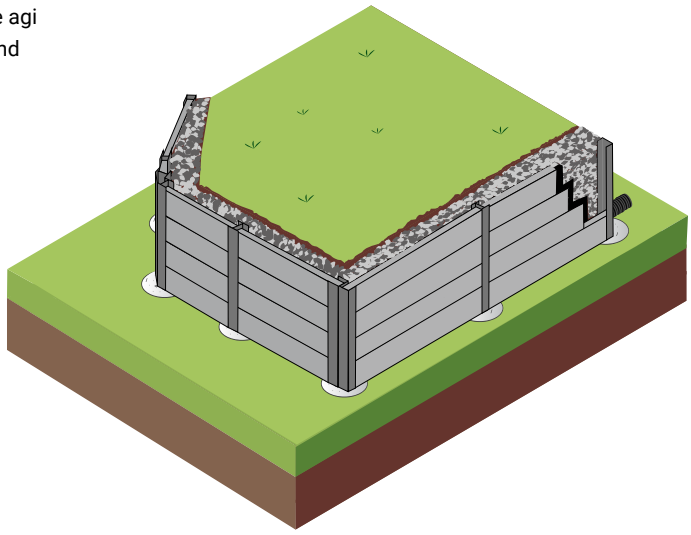


5 Backfill

Cover the back of the sleepers with a plastic membrane and run the agi pipe along the length of the wall to a discharge point. Cover drain and backfill the wall with 20mm scoria up the height of the wall, ideally including a soil plug at the top.

Ensure there is no compaction behind the wall to a minimum distance of 75% of the wall height.





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