

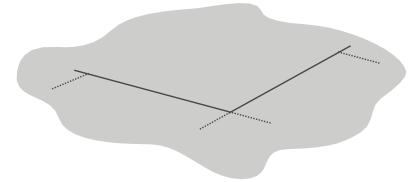
CONCRETE SLEEPER INSTALLATION GUIDE

Designed by Pioneer

1

PREPARE THE AREA

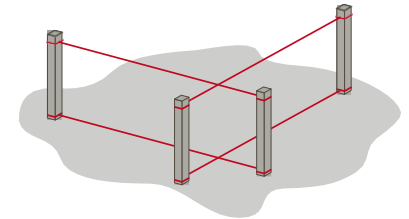
- Clear and level your site where you plan to build the retaining wall. Ensure you leave 200mm behind the retaining wall area for backfill.



2

ALIGNMENT

- Place a peg or anchor point at both ends of the proposed wall. Attach two string lines at each end of the wall, top and bottom, to keep your wall aligned.

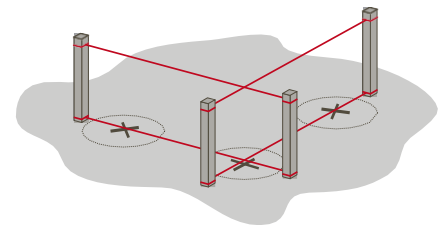


3

MARK OUT HOLE POSITIONS

- Starting from one end of the wall, mark a cross on the ground at intervals with their centre being approximately 15mm more than the length of the sleeper.

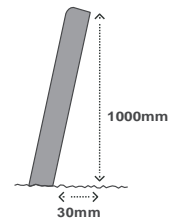
For example: If you are using 1530mm sleepers the hole centres should be 1545mm apart – note, this will vary on the length of sleeper used.



4

AUGER HOLES AND POUR CONCRETE

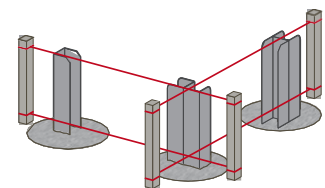
- Auger holes as per your engineers specifications as approved by council.
- Pour concrete into holes, one at a time.
- Make the concrete stiff. If using readymix concrete, order 20/20, 60 slump.
- Set your post by lowering into ground until level with the top string lines.
- Ensure there is a minimum lean back of 30mm for every 1.0m in height.



5

CHECKING POSTS

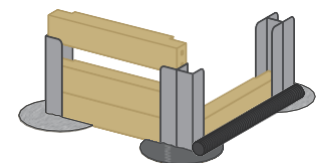
- Use a spirit level to make sure all your posts are aligned with the string line and are perpendicular on the sides.
- It is also important to measure the remaining distance to the top of your steel posts, to ensure the sleepers finish flush with the top of the posts.
- If required, lay a concrete pad on both sides of the steel post.



6

AG PIPE AND BACKFILL

- Allow the concrete to cure for two to three days before you place your sleepers in. Place ag pipe at the base, then backfill with gravel to 200mm from the top.



7

SOIL PLUG

- A soil plug is then placed in, to fill the wall to the top.

