



This is a step by step photographic illustration on how to install Terraforce retaining blocks. Remember to always **ensure a good/correct foundation and drainage system are installed**. This will prevent any unwanted ground movement that could cause damage to your retaining wall.

1. Prepare a **level foundation**, gravel or concrete as directed by site conditions. Compacted gravel foundations are usually sufficient for structures not higher than one (1) meter. On sloping sites the foundation may be stepped by block height at intervals to suit the slope.
2. Place first row of blocks to required alignment and **ensure that units are level in all directions and without any gaps between blocks**. A small amount of mortar will assist with accurate levelling on a concrete foundation.
3. **Install drainage pipe with outlet at the lowest end and free draining backfill** as specified behind first row of blocks. A length of flexible conduit pipe will assist in setting out smooth curves - see image 05.
4. Fill blocks with **good quality soil or soil compost mix and tamp lightly**. In this instance the rounded face elevation was chosen
5. Continue construction, row by row while **backfilling and compacting** free draining material as each row is completed with topsoil infill. Interlocking keys to be installed when directed by the engineer.



6. When specified, install **geogrid-geofabric** on compacted backfill and wedged between blocks (or cut and folded into blocks) as indicated by the engineer.
7. Terraced walls must be well founded. Individual foundations as specified or as shown, on a double row of blocks on well compacted backfill.
8. The completed installation ready to be turned into a growing investment by your imaginative choice of plants. Consult Terraflora booklet.

In your own interest, DO NOT:

- Install a retaining wall without consulting your local Terraforce supplier/contractor, an engineer or building official. Walls of 65° -70° inclination are generally more cost-effective than steeper walls that require more intricate design and construction input.
- Tolerate block walls that have not been neatly installed in accordance with our design and installation guides. Check levels and lines, wall inclinations and expect a neatly finished end product.
- Neglect proper backfill compaction as is possible behind a close-faced Terraforce wall system.
- Compromise the integrity of your wall by skimping on drainage issues – the cut-off channel above the wall and sub soil drainage behind.
- Undermine the wall foundation after completion of the project.
- Assume continued stability of an existing wall when adding more height or loading without consulting with an industry professional.
- Appoint an inexperienced installer without checking his references, his design back-up and his guarantee structure.
- Be tempted by imitations of proven retaining systems.



09 - the finished product