

Water Applications

SINGLE-PIECE SYSTEM INSTALLATION GUIDELINES

With correct design and construction, Anchor™ products can be successfully installed at the edge of water channels, river banks and drainage ditches.

The final design of the wall is affected by various factors, including the movement and velocity of the adjacent water, erosion and scour, the direction of water travel to the wall, the risk of flooding, as well as the soil and ground conditions where the wall is being built.

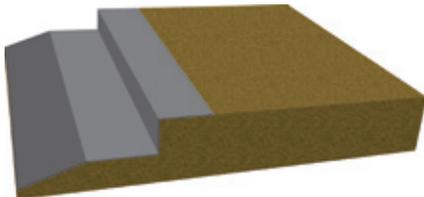
A qualified engineer should always be consulted to determine the effect of water on the wall and to design a wall that takes all these factors into account.

Consult a qualified engineer before design, construction and installation take place, and follow the engineer's design.

Any reinforced-zone material should be made up of freedraining material.

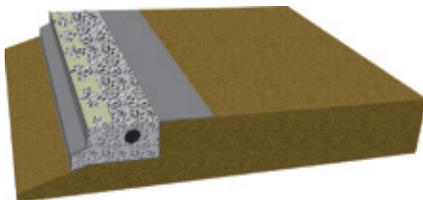
BASE COURSE

Place a filter fabric with extra length (as specified by the engineer's design) in front of the wall. The filter fabric will sit below the leveling pad, extend out into the reinforced zone and, after installation of the base course, up the front of the wall.



Install the leveling pad and the base course, the drainage aggregate and drainpipe.

Wrap the filter fabric up the face of the wall to the top of the base course. Place soil fill in front of the wall and fully compact, trapping the filter fabric against the front of the wall.



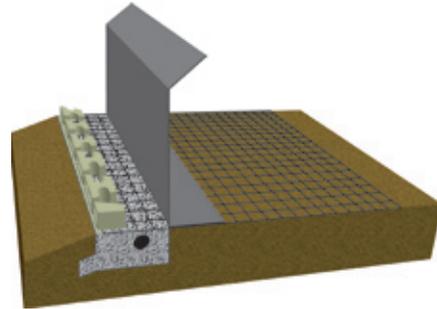
Install a second layer of filter fabric to the front of the wall,

with sufficient width to allow the filter fabric to extend up the face of the wall to the depth of the layer of larger stones required to prevent scour along the base of the wall.

Install a minimum of 3 inches of sand over the filter fabric, before installing the layer of larger stones. Use the layer of larger stones to trap the filter fabric against the face of the wall.

NEXT COURSE

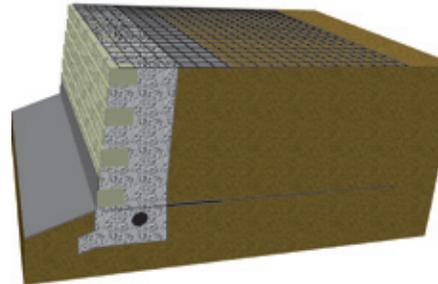
Continue construction of the wall. A filter fabric should be installed between the drainage aggregate and the reinforced-soil zone for the full height and length of the wall. This prevents any clogging of the drainage fill by fines from the reinforced zone.



ADDITIONAL COURSES

Continue these steps until the wall is complete.

The final section of filter fabric should cover the drainage aggregate and run up against the back of the top course of block.



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