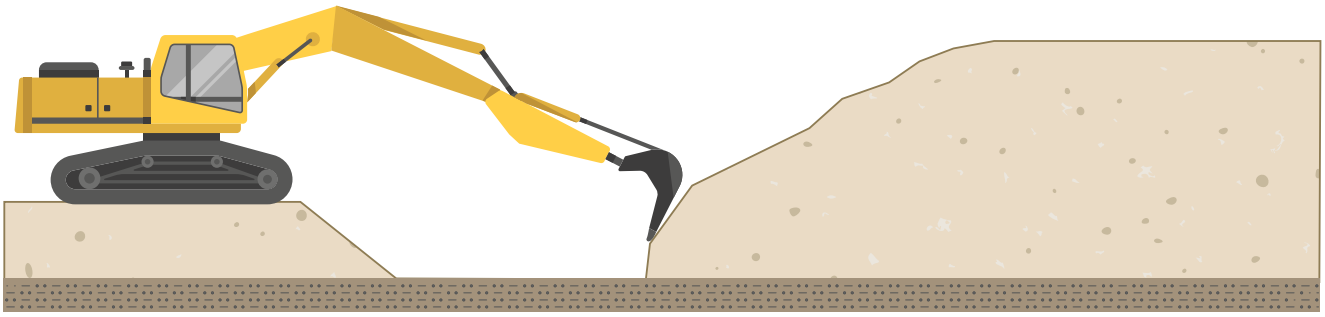
ELCOROCK®

TYPICAL INSTALLATION METHODOLOGY

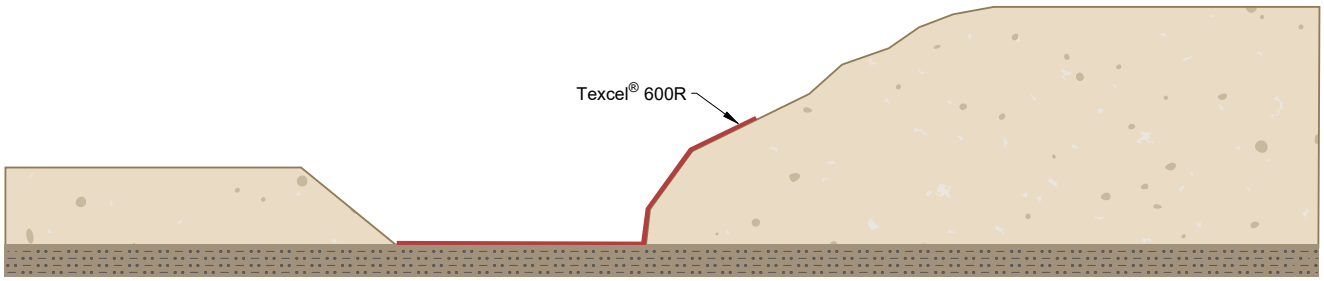
STEP 1:

Filling apparatus incorporating a hopper system and J-bins used to fill ELCOROCK® containers on site. Water filling jets allow for hydraulic compaction of the fill material.



STEP 2:

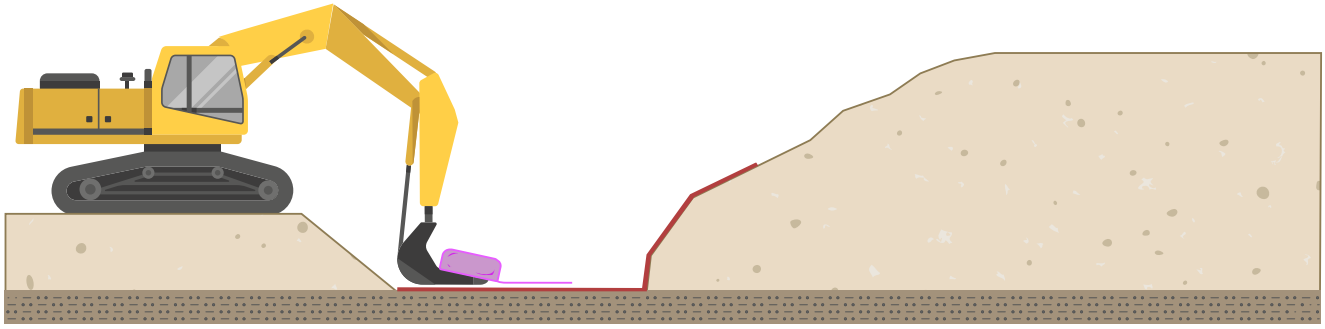
Excavate down to firm base over a distance of 30m to accommodate the first row of 10 - 12 ELCOROCK® containers and shape slopes. Remove any rocks or tree stump protrusions and fill with sand.



STEP 3:

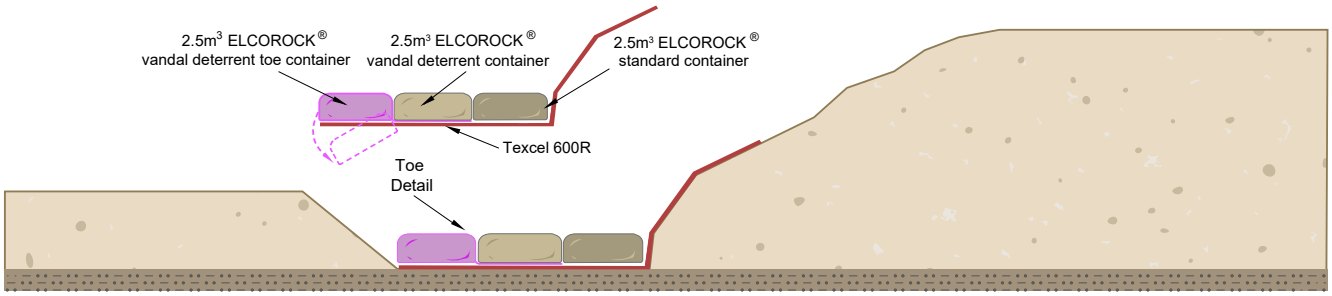
Cut and lay Texcel® 600R in a 6m wide strip over the length of the excavated section down the slope and through the base of the trench up to the front toe slope.

GEOFABRICS®



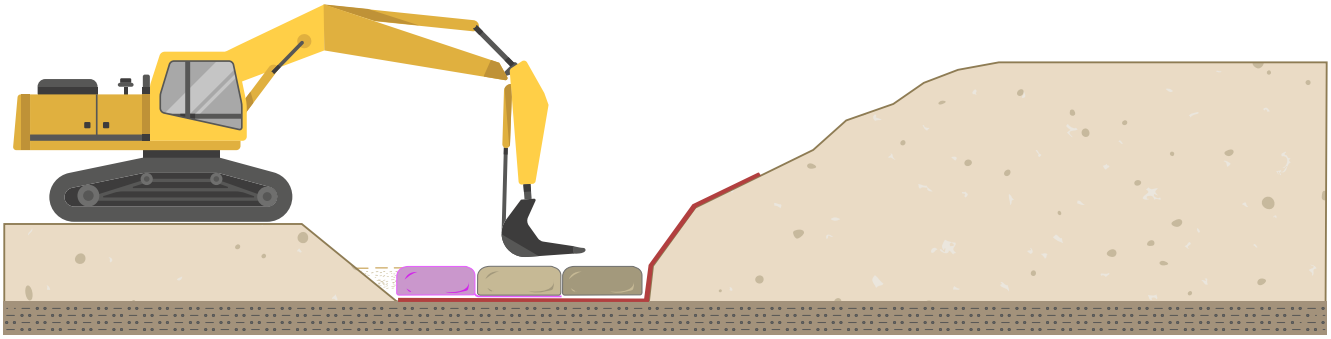
STEP 4:

Place ELCOROCK® Vandel Deterrent toe container starting along the line forming the front of the revetment with the longer length parallel to shoreline.



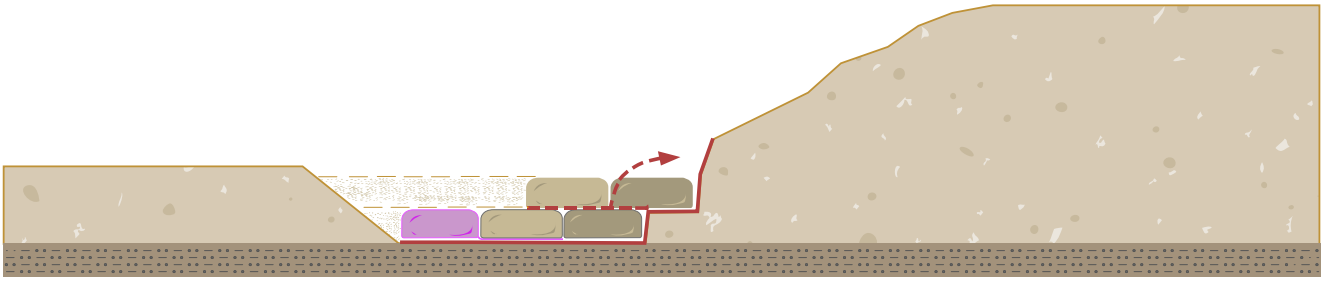
STEP 5:

Place inner ELCOROCK® vandal deterrent container followed by the ELCOROCK® standard container up against the cut profile at the rear with the longer length parallel to shoreline.



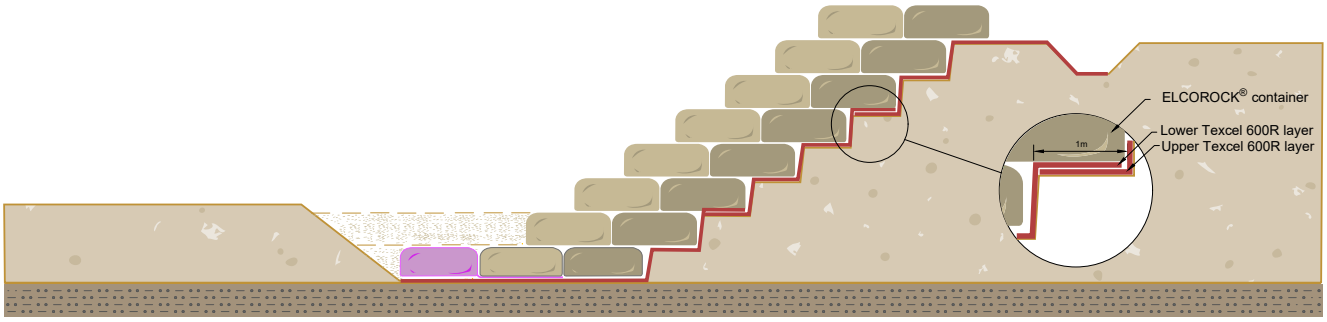
STEP 6:

Fill and level off layer with the specified backfill once the length of the revetment is a minimum of 3 containers.
Press down using the back of the J-bin/bucket to level the ELCOROCK® containers to an even height over the surface area.



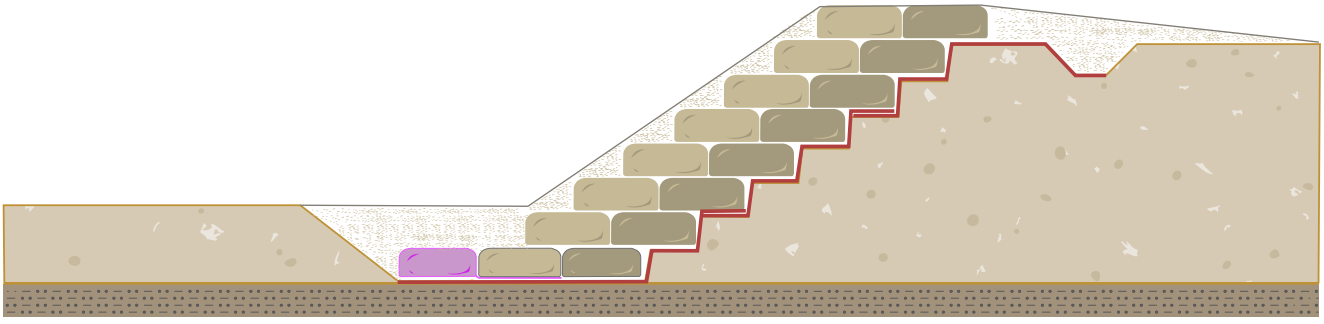
STEP 7:

Fold Texcel 600R back over the ELCOROCK® containers and then bench out the rear profile for the next ELCOROCK® containers. Fold Texcel 600R back up the slope and lay ELCOROCK® containers at the specified setback in a stretcher bond layout, backfill the front of the revetment with sand up to level with the containers and compact . Bucket press ELCOROCK® containers to achieve a level profile.



STEP 8:

Continue placement of ELCOROCK® containers into benched profile. Excavate trench and lay Texcel 600R geotextile into the trench with 1m overlaps down the slope. The geotextile overlap shall incorporate the upper layer placed below the lower layer.



STEP 9:

Level off the face of the revetment with sand backfill. Complete filling along the crest tapering off behind the revetment.

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