



Prefabricated geomembranes need to be placed correctly. This Tech Note describes the correct placement and unfolding procedures.

The placement of geomembrane panels needs to be done correctly the first time. Once placed, similar to a building's cornerstone, all additional panels (if required) can then be deployed into position with the minimum amount of handling.

Start by checking that the subgrade is suitable for lining, (Please refer to Contain Enviro's "Subgrade Preparation" tech note). It is always best to place larger panels on calm days.

Most prefabricated geomembrane panels fabricated by Contain Enviro are rolled in their width dimension and unfolded in their length dimension. The unrolling direction of the roll is indicated on the wrapper, and is also shown on the QC sheet which is attached to the roll under a protective wrapper. Place the panel in the start position for unrolling as indicated by the panel layout. Carefully unroll the panel across the pond; do not attempt to unroll sideways on a slope, but rather across the top of the slope. When unrolling down a slope, the panel will need to be restrained from uncontrolled descent.

Once the panel is unrolled, gather your crew and prepare to unfold. On large panels it may take more than one pull to extend the liner. Moving small sections at a time rather than trying to pull the whole panel at once can prevent tearing. Continue to move the panel in small steps if required until it is in position.

Flapping the liner panel to get air under the panel can help settle a liner into position and ease deployment. Flap some air under the panel prior to each pull.

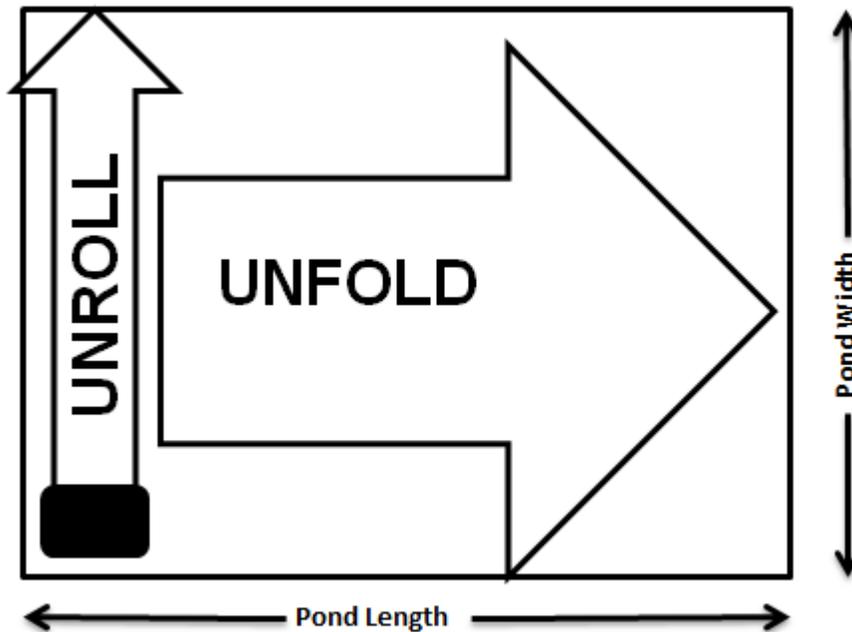
Place some slack in the liner, it should have evenly distributed wrinkles like the skin on an elephant, so that thermal contraction will not cause damage. (Refer to Contain Enviro Tech note on Slack Allowance)



Tech Note: Panel Placement

Immediately after placement and before welding, place ballast materials around the outside edge of the panel to prevent wind uplift. Ballast (such as sandbags) are very important as a gust of wind can cause severe damage to the liner.

Have a responsible person monitor the backfill process to ensure that the liner is not damaged. (Refer to Contain Enviro's Tech note on Backfilling Geomembranes for further details)



Contain Enviro Services Ltd. is the leader in the supply and installation of geomembranes for a wide variety of challenging containment applications. Contain Enviro Services Ltd. feels that there is no single geomembrane which is suitable for every containment application; therefore we have insured that we have access to the complete spectrum of geomembrane materials and can suggest the most appropriate and cost effective material for your containment project.

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