

SANDBAG WALL CONSTRUCTION

This document provides information that may be insufficient in addressing all your concerns about sandbag dike construction. We suggest you contact your local municipal authorities for additional information and guidance.

FILLING A SANDBAG

- ▶ Fill sandbags 1/2 to 2/3 full, and secure them at the top so they can lay flat when positioned. Ideally, a filled sandbag should weigh between 35 and 40 pounds (16-18 kg).
- ▶ If bags are overfilled or tied too low, they may create gaps in the sandbag levee, allowing water to seep through.

LAYING THE SANDBAGS

- 01 Choose a location where the base area of the wall is clear of snow and ice.
 - 02 Place down a layer of plastic sheeting to act as the water proofing membrane.
 - 03 Lay sandbags like brickwork on top of the plastic sheeting.
 - 04 Start at one end and work to the other end.
 - 05 Ensure the unfilled top part of the bag is covered by the next bag.
 - 06 Tuck flap under the bag at the end of the row.
Sandbag walls require at least two feet of freeboard.
- * Freeboard is the area of the wall between the highest floodwater level and the top of the wall.



SAFETY TIPS

- ⚠ Wear protective gear such as steel toed boots, hat, safety glasses, gloves, sunscreen, etc.
- ⚠ Be aware of floodwater dangers:
 - Contamination
 - Varying water flow and strong undercurrents
 - Floating debris
- ⚠ Adhere to proper sandbag handling technique:
 - Do not bend more than 20 degrees in any direction while handling sandbags
 - Keep heavy weights below shoulder height, above knees and close to the body
 - Limit reaching with arms when passing the sandbags
 - Pivot feet and do not twist through the back while handling sandbags
 - Do not throw sandbags

FAQ

Do sandbags really stop water?

The use of sandbags is a simple, but effective way to prevent or reduce flood water damage. Properly filled and placed sandbags can act as a barrier to divert moving water around, instead of through, buildings. Sandbag construction does not guarantee a water-tight seal, but is satisfactory for use in most situations.

How much sand does a sandbag hold?

A cubic yard will fill about 100 30-pound (13.6 kg) sandbags or about 75 40-pound (18.1 kg) bags.

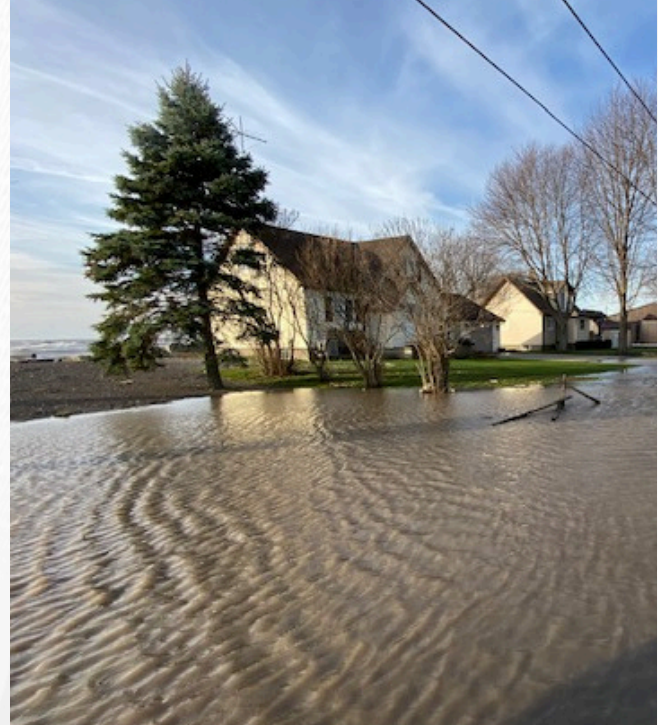
How long do sandbags last for?

Both burlap and polypropylene sandbags typically have a lifespan of 8 months to a year. However, it's important to note that this duration is not guaranteed, particularly if they are exposed to sunlight.

How many sandbags do I need?

It takes approximately 300 sandbags to construct a single column wall that is 100 ft (30.5m) in length and one foot (0.3m) high. This would require 3 to 3.5 cubic yards (2.3 cubic metres) of sand.

For More Information
info@ltvca.ca
(519) 354-7310



WHERE TO BUY

Tech Savvy

Contact Dava
(519) 359-3216
Bags Only

Lloyd Bag Company

(519) 352-9300
Open M-Th 8:30 a.m. – 4:00 p.m.
F 8:30 a.m. - 3:30 p.m.
Bags Only

Pebbles Gravel & Topsoil

(519) 352-7625
Open M-F 7:30 am – 3:00 pm
\$5.00 per bag with sand.

Rene Blain Trucking

(519) 682-2694
Open M-F 7 a.m.- 5 p.m.
Sand Only

Sykes Trucking

(519) 689-4429
M-F 7 a.m.- 5 p.m.
Sand Only