

DEVELOPING A CANADIAN STANDARD FOR FLOOD-RESILIENT EXISTING COMMUNITIES



Flooding is on the rise in Canada and will get worse due to climate change

The average cost of a flooded basement is over **\$40,000**



THERE ARE MANY FACTORS THAT IMPACT FLOOD RISK AND VULNERABILITY

Climate Change & Extreme Weather



Age of Development



History of Flooding



Design Standards



Proximity to Floodplain



Land Use Changes



Topography



Sewer System Type



Critical Infrastructure



Vulnerable Populations



DIFFERENT TYPES OF FLOODING NEED DIFFERENT RESPONSES

FOR EXAMPLE:

RIVERINE FLOODING

Maintain, retrofit and construct new flood control structures



OVERLAND FLOODING

Remove snow and debris from overland flow paths



SEWER BACK-UP

Install and maintain backwater valves



FOUNDATION SYSTEM FAILURES

Maintain positive grade to direct water away from home



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