

SUMP PUMP REQUIREMENTS BULLETIN

NBC Sentence 9.14.5.2. (3)

June 19, 2025

When constructing concrete cast-in-place or Permanent Woof Foundation (PWF) that requires foundation drainage per Subsection 9.14.2. of the National Building Code (NBC) or a granular drainage layer, the layer must drain by gravity to a storm sewer system, drywell, drainage ditch or sump pit. If a sump pit is used and cannot be drained by gravity to a noted storm water disposal system, per NBC Sentence 9.14.5.2.3 and CSA S406 Clause 7.2.2, disposal from a sump pump shall be outside and a minimum 1.2 m from the building onto the ground that is sloped away from the building and onto a splash pad.

A typical detail for the sump/pump configuration and suitable discharge locations is attached for additional information.

Please be reminded that pursuant to 52 and 57 of City of Whitehorse Building and Plumbing Bylaw 99-50, it is the owners/builders responsibility to comply with the national Building Code and the Bylaw regardless of the approved plans and whether or not works are inspected.

If you have any specific questions or require clarification, please contact Building Services at inquirybuilding@whitehorse.ca

From the 2020 National Building Code:

9.14.5.2. Sump Pits

- 1)** Where a sump pit is provided it shall be
 - a) not less than 750 mm deep,
 - b) not less than 0.25 m² in area, and
 - c) provided with a cover.
- 2)** Covers for sump pits shall be designed a) to resist removal by children, and b) to be airtight in accordance with Sentence 9.25.3.3.(7).
- 3)** Where gravity drainage is not practical, an automatic sump pump shall be provided to discharge the water from the sump pit described in Sentence (1) into a sewer, drainage ditch or dry well.

Sincerely,

CITY OF WHITEHORSE

Richard Diamond, RBO
Supervisor Building Inspections
Building Services