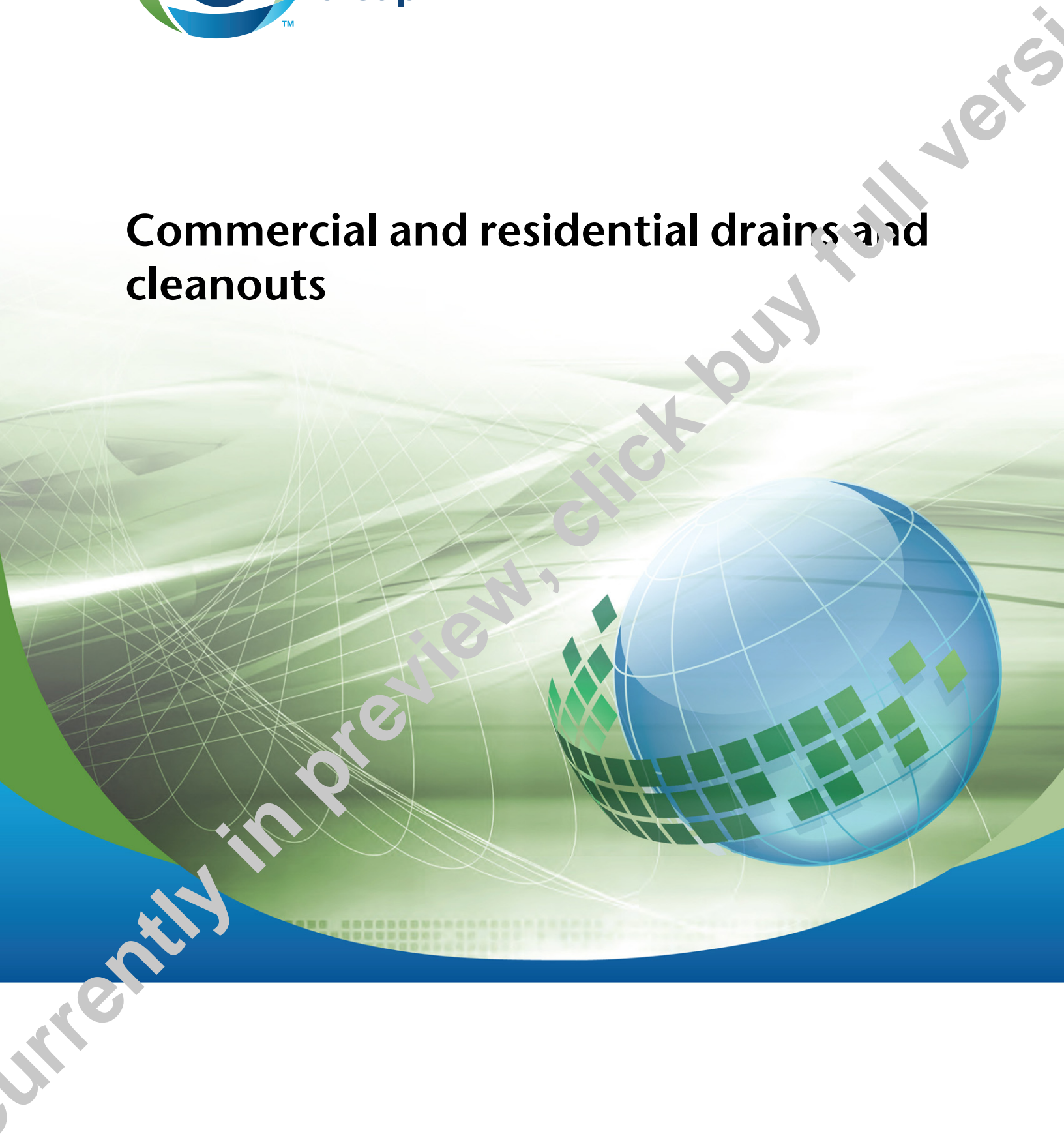




**CSA
Group**

B79-08
(reaffirmed 2018)

Commercial and residential drains and cleanouts



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Preface

This is the fourth edition of CSA B79, *Commercial and residential drains and cleanouts*. It supersedes the previous editions, published in 2005 under the title *Floor drains, area drains, shower drains, and cleanouts in residential construction*, and in 1994 and 1979.

This edition includes new requirements for

- (a) floor and trench drains for commercial use;
- (b) roof, deck, and balcony drains for commercial use;
- (c) siphonic roof drains for commercial use;
- (d) vacuum and storm drains for commercial use; and
- (e) cleanouts for commercial use.

This Standard is considered suitable for use for conformity assessment within the stated scope of the Standard.

This Standard was prepared by the Technical Committee on Drains and Interceptors, under the jurisdiction of the Strategic Steering Committee on Water Management Products, Materials, and Systems, and has been formally approved by the Technical Committee. It will be submitted to the Standards Council of Canada for approval as a National Standard of Canada.

November 2008

Notes:

- (1) Use of the singular does not exclude the plural (and vice versa) when the sense allows.
- (2) Although the intended primary application of this Standard is stated in its Scope, it is important to note that it remains the responsibility of the users of the Standard to judge its suitability for their particular purpose.
- (3) This publication was developed by consensus, which is defined by CSA Policy governing standardization — Code of good practice for standardization as “substantial agreement”. Consensus implies much more than a simple majority, but not necessarily unanimity”. It is consistent with this definition that a member may be included in the Technical Committee list and yet not be in full agreement with all clauses of this publication.
- (4) CSA Standards are subject to periodic review, and suggestions for their improvement will be referred to the appropriate committee.
- (5) All enquiries regarding this Standard, including requests for interpretation, should be addressed to Canadian Standards Association, 5060 Spectrum Way, Suite 100, Mississauga, Ontario, Canada L4W 5N6.
Requests for interpretation should
 - (a) define the problem, making reference to the specific clause, and, where appropriate, include an illustrative sketch;
 - (b) provide an explanation of circumstances surrounding the actual field condition; and
 - (c) be phrased where possible to permit a specific “yes” or “no” answer.

Committee interpretations are processed in accordance with the CSA Directives and guidelines governing standardization and are published in CSA's periodical Info Update, which is available on the CSA Web site at www.csa.ca.

B79-08

Commercial and residential drains and cleanouts

1 Scope

1.1

This Standard specifies requirements for commercial and residential

- (a) area drains;
- (b) balcony drains;
- (c) deck drains;
- (d) floor drains;
- (e) roof drains;
- (f) shower drains;
- (g) trench drains; and
- (h) cleanouts.

1.2

This Standard covers the following subjects:

- (a) materials;
- (b) design requirements for
 - (i) connections;
 - (ii) fasteners;
 - (iii) grates;
 - (iv) cleanout covers;
 - (v) backwater valves; and
 - (vi) integral traps;
- (c) tests for
 - (i) loading;
 - (ii) backwater valve tightness;
 - (iii) sealing; and
 - (iv) corrosion; and
- (d) markings.

1.3

The figures included in this Standard are intended only to portray typical drain types and are not intended to restrict design or to be used for specification purposes.

1.4

In CSA Standards, “shall” is used to express a requirement, i.e., a provision that the user is obliged to satisfy in order to comply with the standard; “should” is used to express a recommendation or that which is advised but not required; “may” is used to express an option or that which is permissible within the limits of the standard; and “can” is used to express possibility or capability. Notes accompanying clauses do not include requirements or alternative requirements; the purpose of a note accompanying a clause is to separate from the text explanatory or informative material. Notes to tables and figures are considered part of the table or figure and may be written as requirements. Annexes are designated normative (mandatory) or informative (non-mandatory) to define their application.