



**CSA A257 Series:24**  
National Standard of Canada



# Standards for concrete pipe and manhole sections



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<b>K. Sivalingam</b>	Langley Concrete Group, Chilliwack, British Columbia, Canada <i>Category: Producer Interest</i>	
<b>R. Steeves</b>	Shaw Precast Solutions, Lantz, Nova Scotia, Canada <i>Category: Producer Interest</i>	
<b>E. Stradiotto</b>	Canadian Concrete Pipe & Precast Association, Kingston, Ontario, Canada	<i>Non-voting</i>

<b>F. Tassone</b>	Niagara Region, Thorold, Ontario, Canada	<i>Non-voting</i>
<b>S. Tran</b>	Epcor Utilities, Edmonton, Alberta, Canada	<i>Non-voting</i>
<b>J. Tremblay</b>	Canadian Concrete Pipe & Precast Association, Kingston, Ontario, Canada	<i>Non-voting</i>
<b>L. S. Wong</b>	Safe Roads Engineering, Aurora, Ontario, Canada <i>Category: General Interest</i>	
<b>K. A. Yousafzai</b>	Leduc County, Nisku, Alberta, Canada <i>Category: User Interest</i>	
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This edition of CSA A257 is dedicated to the memory of Mel Marshall whose contributions helped make the publication of this document possible.

# Preface

This is the eighth edition of CSA A257 Series, *Standards for concrete pipe and manhole sections*. It supersedes the previous editions published in 2019, 2014, 2009, 2003, 1992, 1982, and 1974.

This is a performance Standard. As with the previous editions, the Standards contained in this edition include requirements for

- the determination of physical properties;
- non-reinforced circular concrete pipe;
- steel-reinforced circular concrete pipe; and
- joints for concrete pipe.

The major changes in this new edition are

- quality testing of concrete;
- lining for pipe and maintenance holes;
- joint reinforcement; and
- circumferential reinforcement splices.

These Standards were prepared by the Technical Committee on Concrete Pipe, under the jurisdiction of the Strategic Steering Committee on Construction and Civil Infrastructure, and have been formally approved by the Technical Committee.

This Standard has been developed in compliance with Standards Council of Canada requirements for National Standards of Canada. It has been published as a National Standard of Canada by CSA Group.

## 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 Standard 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 Standard.*
- 4) *To submit a request for interpretation of this Standard, please send the following information to [inquiries@csagroup.org](mailto:inquiries@csagroup.org) and include “Request for interpretation” in the subject line:*
  - 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) *where possible, phrase the request in such a way that a specific “yes” or “no” answer will address the issue.*

*Committee interpretations are processed in accordance with the CSA Directives and guidelines governing standardization and are available on the Current Standards Activities page at [standardsactivities.csagroup.org](https://standardsactivities.csagroup.org).*
- 5) *This Standard is subject to review within five years from the date of publication. Suggestions for its improvement will be referred to the appropriate committee. To submit a proposal for change, please send the following information to [inquiries@csagroup.org](mailto:inquiries@csagroup.org) and include “Proposal for change” in the subject line:*
  - a) *Standard designation (number);*
  - b) *relevant clause, table, and/or figure number;*
  - c) *wording of the proposed change; and*
  - d) *rationale for the change.*