

Australian/New Zealand Standard™

Buried flexible pipelines

Part 2: Installation



AS/NZS 2566.2:2002

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee WS-028, Design and installation of buried flexible pipes. It was approved on behalf of the Council of Standards Australia on 25 June 2002 and on behalf of the Council of Standards New Zealand on 27 June 2002. This Standard was published on 12 August 2002.

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee WS-028—Design and Installation of Buried Flexible Pipes.

This Standard incorporates Amendment No. 1 (June 2013), Amendment No. 2 (May 2018) and Amendment No. 3 (November 2018). The changes required by the Amendments are indicated in the text by a marginal bar and amendment number against the clause, note, table, figure or part thereof affected.

This Standard is Part 2 of AS/NZS 2566 *Buried flexible pipelines*. The Parts are as follows:

Part 1: *Structural design*.

Part 1: *Structural design—Commentary*

Part 2: *Installation* (this Standard).

A2 | The purpose of Amendment 2 to AS/NZS 2566.2 is to update the text to reflect changes in AS/NZS 2566.1 Amendment 1, and to make editorial corrections.

Additionally, errors in Table 6.1 have been corrected.

The objective of this Standard is to provide designers and installers with uniform procedures for the installation of buried flexible pipelines.

The terms ‘normative’ and ‘informative’ have been used to define the application of the Appendix to which they apply. A ‘normative’ appendix is an integral part of the Standard, whereas an ‘informative’ appendix is for information and guidance only.

Statements expressed in mandatory terms in notes to figures and tables are deemed to be requirements of the Standard. All other notes are for information and guidance only.

Informative appendices and notes, except as mentioned above, use the word ‘should’ (implying for information and guidance only), whereas normative appendices, clauses, figures and tables use the word ‘shall’ (implying a mandatory requirement).

Where the term ‘specified’ has been used, but no reference given to where the requirement is to be found, the requirement is expected to be stated or referred to in other project documentation.

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Australian/New Zealand Standard
Buried flexible pipelines

Part 2: Installation

SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard specifies requirements for the installation, field testing and commissioning of buried flexible pipelines with structural design in accordance with AS/NZS 2566.1. These pipelines rely primarily upon side support to resist vertical loads without excessive deformation by adopting an elliptical shape.

NOTE: Australian and New Zealand Standards generally do not—

- (a) restate the duties of employers, employees, designers and installers;
- (b) determine the applicability of regulatory limitations; or
- (c) determine appropriate health and safety practices.

1.2 REFERENCED DOCUMENTS

The documents referred to in this Standard are listed in Appendix A.

1.3 APPLICATION**1.3.1 Applicable installations**

This Standard applies to flexible pipes conveying water, wastewater, stormwater or slurry, for both pressure and non-pressure applications, or for flexible pipes serving as conduits for the later installation of cables or pipes.

This Standard is applicable to flexible pipes that are manufactured from the materials listed in Table 1.1, and that are—

- (a) homogeneous or composite;
- (b) creep affected (plastics) or unaffected (metallic); or
- (c) plain or structured wall.

Provided suitable data can be obtained, this Standard may be used for pipelines whose pipe materials are not given in Table 1.1 and where open cut excavation techniques are used.

NOTES:

- 1 Australian and New Zealand installation standards specific to different flexible pipe materials and their related manufacturing Standards are given in Appendix B.
- 2 Guidance, in the form of flow charts, to the installation process is given in Appendix C.