

AS 4058—1992

Australian Standard[®]

**Precast concrete pipes (pressure
and non-pressure)**

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Australian Construction Services—Department of Administrative Services
Austroads
Confederation of Australian Industry
Concrete Pipe Association of Australia
Engineering and Water Supply Department, S.A.
Hobart City Council, Tas.
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Municipal Association of Victoria
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PREFACE

This Standard was prepared by the Standards Australia Committee on Concrete Pipes, as a revision and amalgamation of AS 1342—1973, *Precast concrete drainage pipes* and AS 1392—1974, *Precast concrete pressure pipes*. The revision is a logical consequence of the revision of AS CA33—1962, *Concrete Pipe Laying Code*, published as AS 3725—1989, *Loads on buried concrete pipes*.

In carrying out its task, the Committee has taken the opportunity to clarify areas of uncertainty in the previous Standards, in particular the definitions of terms used, the methods of measuring geometric properties of the pipes and the criteria for acceptance or rejection of defects.

The increasing use of certain blended cements and chemical admixtures in concrete products and structures has been recognized by the Committee and allowance for the use of such components in concrete pipes included for the first time.

Load classifications have been rationalized and extended to cover both larger pipe sizes and higher load classes in line with recent trends in this direction.

Requirements for sampling, testing and the determination of compliance have been expanded with requirements for routine testing during manufacture being included for the first time. In deciding to incorporate such requirements as a normative part of the Standard, the Committee took account of the need in the water supply, sewerage and drainage industries for a standardized approach to this facet of quality control. It was recognized that since concrete pipe manufacturing technology is well established, a sampling and testing regime could be designed to apply to all existing manufacturing processes and thereby be relevant to all Australian manufacturers. The usefulness of this edition has thus been increased over the two previous Standards from the point of view of purchasers in that it now represents the basis for a complete purchase specification. However, users of the Standard may, via referencing in regulation, contracts, third-party certification or the like, decide not to implement the sampling scheme.

Users of the Standard are reminded that the means for determining whether a pipe, manufactured in accordance with this Standard, is suitable for a particular loading application, are contained in AS 3725.

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