

TRANSPORT FOR NSW (TfNSW)
TfNSW SPECIFICATION D&C 3552
SUBSURFACE DRAINAGE PIPE
(CORRUGATED PERFORATED AND NON-PERFORATED PLASTIC)

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REVISION REGISTER

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Transport
for NSW

SPECIFICATION D&C 3552

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FOREWORD

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BASE SPECIFICATION

This document is based on Specification TfNSW 3552 Edition 3 Revision 1.

TfNSW SPECIFICATION D&C 3552

SUBSURFACE DRAINAGE PIPE

(CORRUGATED PERFORATED AND NON-PERFORATED PLASTIC)

1 SCOPE

This Specification sets out the requirements for the supply of corrugated perforated and non-perforated plastic drainage pipe and associated fittings for use in subsurface drainage.

Corrugated non-perforated plastic drainage pipe must comply with the requirements of this specification except for perforations.

2 STRUCTURE OF THE SPECIFICATION

This Specification includes a series of annexures that detail additional requirements.

2.1 (NOT USED)

2.2 SCHEDULE OF IDENTIFIED RECORDS

The records listed in Annexure 3552/C are **Identified Records** for the purposes of Specification TfNSW D&C Q6 Annexure Q/E.

2.3 FREQUENCY OF TESTING

The minimum frequency of testing is shown in Annexure 3552/L.

2.4 REFERENCED DOCUMENTS AND DEFINITIONS

Standards, specifications and test methods are referred to in abbreviated form (e.g. AS 1234). For convenience, the full titles are given in Annexure 3552/M.

The term “the Supplier” means the supplier of the product covered by the scope of this Specification.

3 SUPPLIER’S QUALITY MANAGEMENT SYSTEM

The Supplier must establish and maintain a Quality Management System complying with AS/NZS ISO 9001 as a means of ensuring that the product conforms to this Specification.

Provide evidence verifying compliance with this Clause.

4 REQUIREMENTS

Corrugated perforated plastic drainage pipe and associated fittings must conform to the requirements of AS 2439.1. The pipes must be Type 1, Class SN20 pipe, except for 65 mm nominal diameter pipe placed in edge drains under kerbs and backfilled with no fines concrete which must be Type 1, Class SN8 pipe or higher.

5 TESTING

Carry out testing in accordance with the requirements of AS 2439.1, except for testing of pipe stiffness and perforation dimensions, which must be in accordance with Test Methods TfNSW T1505 and TfNSW T1506.

6 PRODUCT CERTIFICATION

Provide a certificate of compliance verifying that the corrugated perforated drainage pipe complies with the requirements of this Specification together with test results reported on NATA endorsed test documents. The certificate is for tests not more than six (6) months old.

7 PRODUCT IDENTIFICATION

Clearly mark each pipe with the following information (on the pipe or adhesive label):

- a) Manufacturer's name and/or trademark;
- b) The nominal outside diameter of the pipe;
- c) Pipe classification (type and stiffness);
- d) The slot width range;
- e) Length;
- f) Date of manufacture;
- g) Relevant Australian Standard.

ANNEXURES 3552/A TO 3552/B – (NOT USED)

ANNEXURE 3552/C – SCHEDULE OF IDENTIFIED RECORDS

Refer to Clause 2.2.

The records listed below are Identified Records for the purposes of TfNSW D&C Q6 Annexure Q/E.

Clause	Description of Identified Record
6	Certificate of compliance

ANNEXURES 3552/D TO 3552/K – (NOT USED)

ANNEXURE 3552/L – MINIMUM FREQUENCY OF TESTING

Clause	Characteristics Tested	Test Method	Minimum Frequency of Testing
5	Perforation dimensions and area	TfNSW T1505	One per 2,000 m or part thereof
5	Pipe Stiffness	TfNSW T1506	One per 2,000 m or part thereof
5	Characteristics nominated in AS 2439.1 Table A1 (with the exception of Perforation dimensions and area and Pipe Stiffness)	As per AS 2439.1	As per AS 2439.1

ANNEXURE 3552/M – REFERENCED DOCUMENTS

Refer to Clause 2.4.

TfNSW Specifications

TfNSW D&C Q6 Quality Management System (Type 6)

TfNSW Test Methods

TfNSW T1505 Physical dimensions of plastic drainage pipe perforations

TfNSW T1506 Stiffness properties of plastic drainage pipe

Australian Standards

AS 2439.1 Perforated plastics drainage and effluent pipe and fittings – Perforated drainage pipe and associated fittings

AS/NZS ISO 9001 Quality management systems – Requirements