



INFRAPIPE APPROVAL STATUS FOR HIGHWAY APPLICATIONS

APPROVAL

- P46 the current NZTA standard for culvert construction references F/3:2010
- Prior to the issue of F/3 in 2010, a first supplier obtained a type approval in 2008 as back then there was no approval for HDPE/PP. This then changed with the 2010 update of F/3.
- F3 as shown below accepts CERTIFIED PE/PP products
- INFRAPIPE is certified to AS/NZS5065:2005– see certificate below
- NZTA website also confirms that PE/PP pipes are approved <https://nzta.govt.nz/resources/pipe-culvert-const/pipe-culvert-construction>
- Therefore there is no requirement for specific approval from NZTA
- INFRAPIPE holds type approval from KiwiRail (the only manufacturer to do so)
- INFRAPIPE products were approved for installation under the new aprons at Auckland Airport, a Class G installation.
- INFRAPIPE is approved by every Territorial Authority (TA) that conducts approvals
- INFRAPIPE has been used successfully in every major urban area in the country
- Note: Another NZ supplier is only certified to AS/NZS5065:2005 up to OD800 (ID640) for SN16 & OD1200 (ID1030) for SN8

INSTALLATION

F3 in para 2 requires PE pipes to be installed in accordance with AS/NZS2033:2008, but then in Section 5 repeatedly requires pipes to be laid in accordance with AS/NZS2566.2:2002. AS/NZS2033:2024 references and relies on AS/NZS2566 so engineers should follow AS/NZS2566.2:2002. All the requirements of that standard are made clear in INFRAPIPE's Trench & Pipe Design Manual available here:

<https://infrapipe.co.nz/trench-and-pipe-design-manual-for-HDPE-flexible-pipes>



This lucky DN3200 is now protecting the people of Patoka near SH5 upstream from Eskdale



NZTA EXTRACTS

From F3/2010

2. MATERIALS

2.1 Pipe Types

The pipes shall conform to the requirements for the class, type of joints, diameter and length shown on the drawings and defined in the job specification, and shall be one of the following types:

- 2.1.7 Polyethylene and polypropylene black or black jacket twin wall or plain wall pipes manufactures to *NZS/AS 5065:2005 Polyethylene and polypropylene pipes and fittings for drainage and sewerage application*

SP/SF3: 2010 101216

SPECIFICATION FOR PIPE CULVERT CONSTRUCTION

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NZTA F3: 2010

(and Amendments) and installed to *AS/NZS 2566: Buried flexible Pipelines (Parts 1 and 2)*.

The Contractor shall produce evidence of the pipes' compliance with one of the above clauses if requested by the Engineer.

From NZTA website

<https://nzta.govt.nz/resources/pipe-culvert-const/pipe-culvert-construction>



These DN1800s are just off SH6

2. Materials

2.1 Pipe types

The pipes shall conform to the requirements for the class, type of joints, diameter and length shown on the drawings and defined in the job specification, and shall be one of the following types:

- 2.1.7 Polyethylene and polypropylene black or black jacket twin wall or plain wall pipes manufactures to *NZS/AS 5065:2005 Polyethylene and polypropylene pipes and fittings for drainage and sewerage application* (and Amendments) and installed to *AS/NZS 2566: Buried flexible Pipelines (Parts 1 and 2)*.

The Contractor shall produce evidence of the pipes' compliance with one of the above clauses if requested by the Engineer.



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INFRAPIPE LTD
3 Averton Place
East Tamaki, 2013
New Zealand

10th October 2022

Dear Valued Client,

We have great pleasure in advising you that ApprovalMark International has approved your certification under the ISO Type 5 as follows:

Certificate Number:	Reference Standard:	ISO Type 5 User:
AMI 74961	AS/NZS 5065:2005: Polyethylene and polypropylene pipes and fittings for drainage and sewerage applications	INFRAPIPE LTD 3 Averton Place East Tamaki, 2013 New Zealand

Your formal certificate and schedule are attached separately for your business purposes.

We would like to take this opportunity to remind you that you are required to comply with the rules of the ISO Type 5 Certification Scheme as per the signed documentation at the beginning of the application including:

- ApprovalMark International Application Form
- ApprovalMark International Licensing Agreement

We would like to take this opportunity to remind you of your obligations as a license holder. Under our ISO Type 5 certification scheme, you are obliged to abide by ApprovalMark International License Agreement as well as other applicable Standards under ISO Type 5 and all applicable JAS-ANZ policies.

On behalf of ApprovalMark International I would like to offer our congratulations for achieving this certification and we are looking forward to maintaining our ongoing relationship. If you have any questions or require additional information, please do not hesitate to contact us.

Sincerely,

John Prasad
Director
ApprovalMark International Pty Ltd

ApprovalMark