

3 April 2008

Waters & Farr
PO Box 13 329
Onehunga
AUCKLAND

Attention: Alan Paterson
General Manager

Dear Alan

Bosspipe Product & TNZ F/3 Specification for Pipe Culvert Construction

Reference:

We have reviewed your request, supported by an appraisal by Opus International Consultants, for Transit to approve Bosspipe to be used as an alternative to materials conforming to TNZ F/3.

We understand that Bosspipe is manufactured in Wanganui by Waters & Farr, a business unit of Interpipe Holdings Ltd.

Transit Approval – under TNZ F/3, Specification for Pipe Culvert Construction

Waters & Farr's Bosspipe range including SewerBoss, StormBoss and FarmBoss pipe made from polypropylene may be used in Transit contracts for State Highway works where TNZ F/3, Specification for Pipe Culvert Construction apply, provided that:

1. The pipes are manufactured in accordance with AS/NZS 5065:2005, Polyethylene and polypropylene pipes and fittings for drainage and sewerage applications.
2. The pipes are designed and installed to AS/NZS 2566 Buried Flexible Pipelines.
3. FarmBoss pipe will be used over SewerBoss and StormBoss pipe for culvert applications if appropriate where the ends may be exposed to UV light.
4. The nominal internal pipe diameter does not exceed 450mm.
5. The pipes are clearly identified in respect of:
 - a. nominal internal diameter – (DN);
 - b. stiffness class – (SN);
 - c. the standard identification markings for manufacturer, manufacturing date, manufacturing location and pipe material.

National Office

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6. A product guide, as suggested in the Opus appraisal letter, that details handling, jointing and other installation aspects is made available to contractors.
7. This approval shall remain valid until the product specifications materially change or TNZ F/3 is amended.
8. This approval supersedes the similar approval given by Transit for the use of SewerBoss and StormBoss pipe in Transit contracts for State Highway works where TNZ F/3, Specification for Pipe Culvert Construction applied issued 20 March 2006. The previous approval letter is now withdrawn
9. This approval will be given effect by listing on the Transit website.
10. Removal of the listing from the website shall constitute withdrawal of the approval.
11. Transit reserves the right to withdraw this approval at any time.

Yours sincerely

A handwritten signature in black ink, appearing to read 'Rudolph Kotze', enclosed within a large, loopy oval shape.

Rudolph Kotze CPEng
Bridges & Structures Manager
Transit New Zealand