

Hamilton City Development Manual	
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SECTION D : INSTALLATION OF MDPE PIPES

1.0 INTRODUCTION

All watermain pipe laying and associated fitting installation shall only be carried out by a qualified Water Service Person holding the qualification of National Certificate in Water Reticulation.

2.0 SCOPE

This specification covers laying of and repairs to the following pipes:

- PE80B (MDPE) service connections of various diameters
- DN63 (63mm OD) MDPE ridermains

and is to be read in conjunction with the following documents:

- i. Drawings pertaining to the main to be laid (including service drawings)
- ii. Schedule of fittings required
- iii. Manufacturers instructions for the handling, storage and laying of the pipe being used.
- iv. AS/NZS 2566.2:2002 Buried Flexible pipelines - Installation

3.0 MATERIALS

Acceptable materials are listed in Section A of this Specification.

4.0 INSTALLATION OF MDPE PIPES

To be done in accordance with AS/NZS 2566.2:2002 and Clause 5 of Section B of this Specification.

4.1 Ducting Of Ridermains

Should Council elect to thread a ridermain through an abandoned pipeline, then the following shall apply:

- 4.1.1 Suitable excavations shall be made along the length of the main to allow threading of the new pipe without distorting or stressing it.
- 4.1.2 At each service connection, a section of the existing main shall be removed to allow the service connection to be made. The open ends of the existing main shall be blocked with

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concrete on completion. The MDPE ridermain shall be wrapped with a protective membrane and all necessary measures taken to ensure the pipe is not damaged by sharp edges, stones, etc.

4.1.3 Suitable temporary ridermains shall be installed to supply local residents with water should the need arise.

4.2 Anchor Blocks/Thrust Blocks

Refer to NZS4404:2010, page 214 — Drawing WS 005 and Development Manual, Volume 2, Part 6, Clause 6.12.