

Hamilton City Development Manual		
Volume 3 : Standard Technical Specifications		Part 6 – Water Supply
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SECTION C : INSTALLATION OF PVC 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:

- mPVC service connections of varying diameters
- 100mm up to 300mm mPVC Principal and Trunk Mains for use within the Hamilton City Council water reticulation 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
 - v. AS/NZS 2032:2006 : Installation of PVC pipe systems

3.0 MATERIALS

Acceptable materials are listed in Section A of this Specification.

4.0 PIPELAYING - INSTALLATION OF PVC PIPES

To be carried out in accordance with AS/NZS 2032, AS/NZS 2566 and Clause 5 of Section B of this Specification.

Pipes shall be laid with product labelling uppermost in the trench.

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5.0 THRUSTING OF PIPES

The term thrusting means boring a hole (by directional drilling or similar) and then carefully inserting the PVC pipe through the hole by hand. Rubber ring joints are not well suited for thrusting however the method is approved for short lengths of pipe laying such as to pass under a concreted entranceway. Overly large bore holes do not adequately support PVC pipes so the bore hole must be a neat fit to the outside diameter of the pipe (the pipe should be inserted with the spigot-end leading into the bore hole). Soil must be cleaned from within the pipe and jointing faces prior to making the joint.

RRJ PVC pipes cannot be jacked, i.e. pushed through the earth with no bore.

6.0 DUCTING PVC PIPES

Where a PVC pipe is to be threaded through a duct, Series 2 Solvent Cement Welded Pipes are to be used.