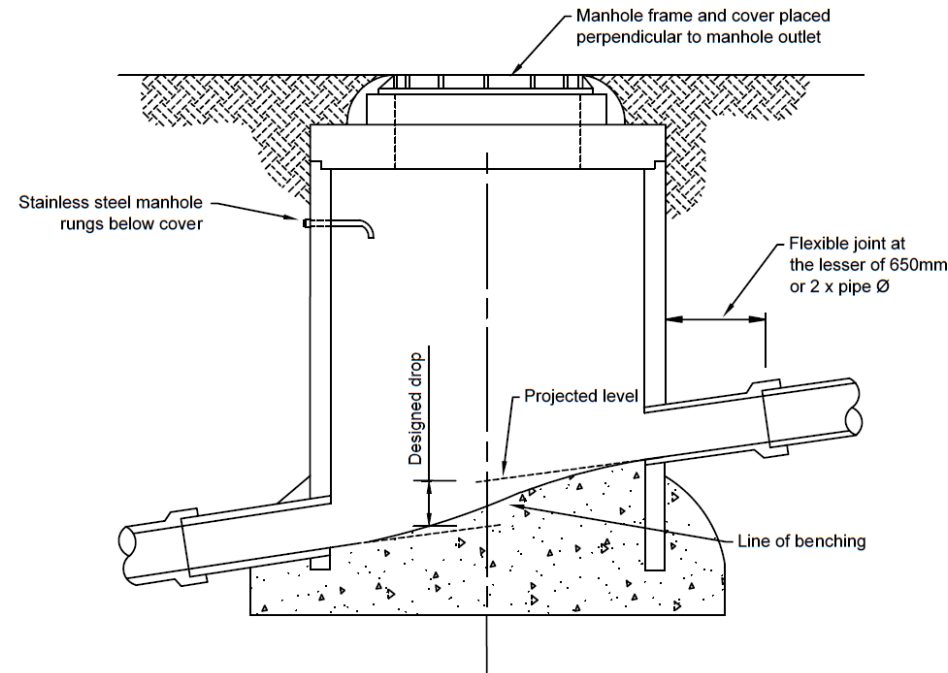
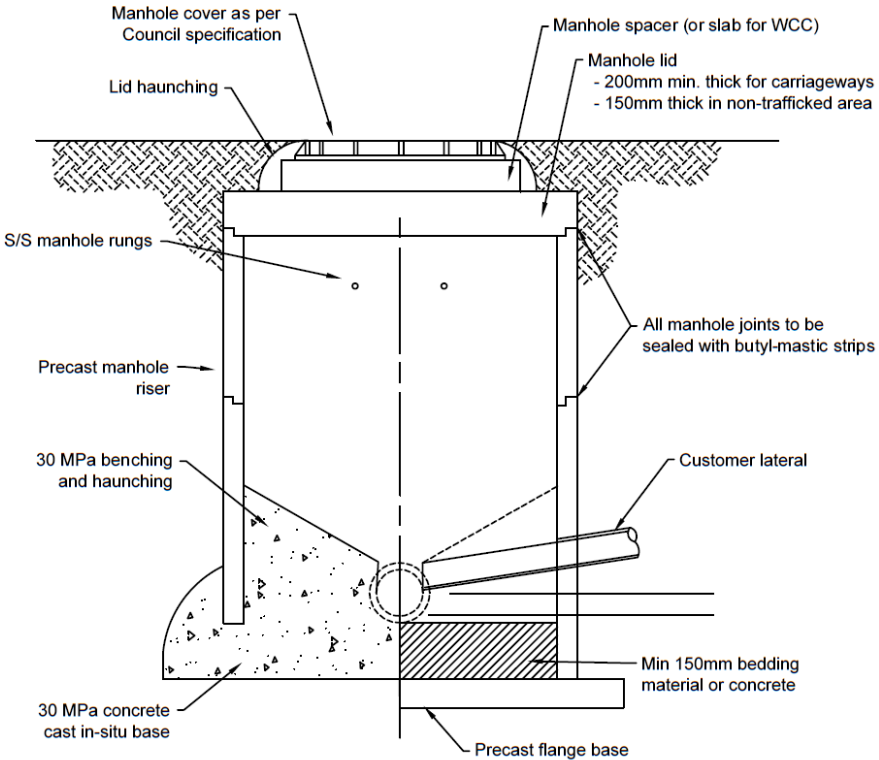


Notes:

1. Manholes and bases to be designed against flotation with a safety factor of 1.25 in areas of high water table or liquefaction potential.
2. Manhole benching and base to be poured to a minimum 150mm below lowest pipe invert. This includes minimum depth between lowest pipe invert and precast flanged base.



Cross Section through
Standard Manhole



Typical Manhole Benching
and Haunching Details

This drawing illustrates a means of technical compliance with the standard. Deviation from these may be considered by Council on specific application. It is the designer's responsibility to ensure they are referencing the most-up-to date drawing version.

Manhole Details

Regional Standards for Water Services Drawing

Dwg No:

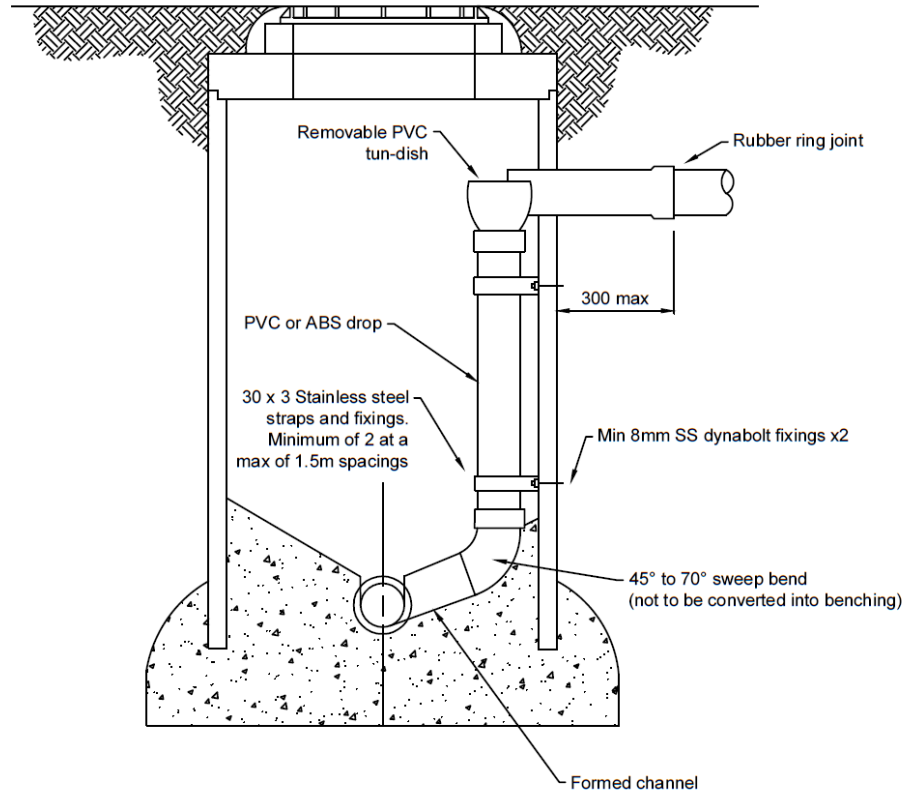
DR01

Rev Date:

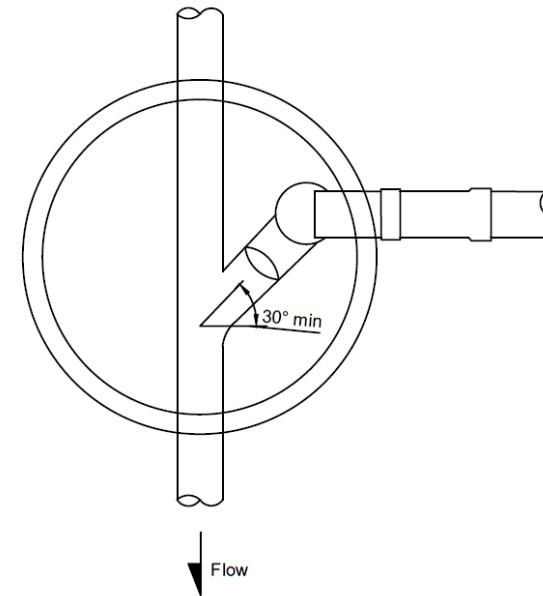
Sept 2015

Notes:

1. Minimum internal clearance between drop structure and opposite manhole wall shall be 1000mm.
2. All metallic fixings shall be stainless steel.
3. Internal drop shall be for a maximum NB of 225mm (or 150mm for UHCC).



Typical Internal Drop Details



Plan View

This drawing illustrates a means of technical compliance with the standard. Deviation from these may be considered by Council on specific application. It is the designer's responsibility to ensure they are referencing the most-up-to date drawing version.

Internal Drop Details

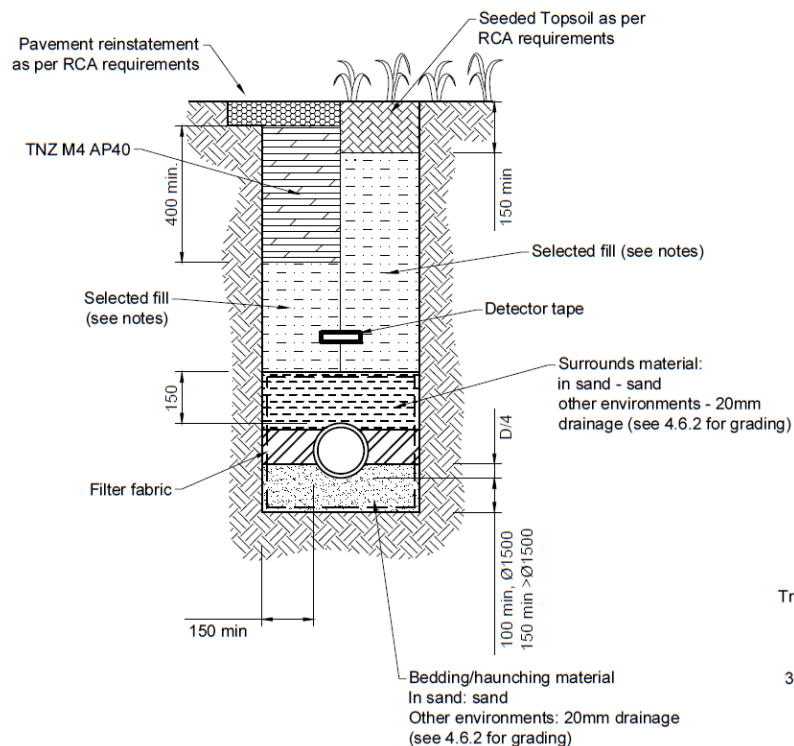
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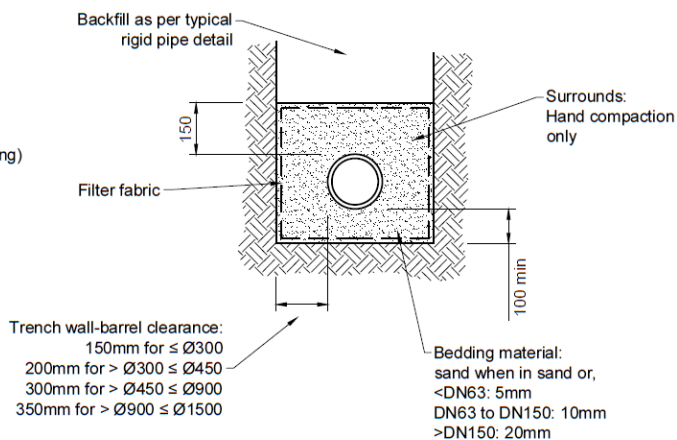
DR02

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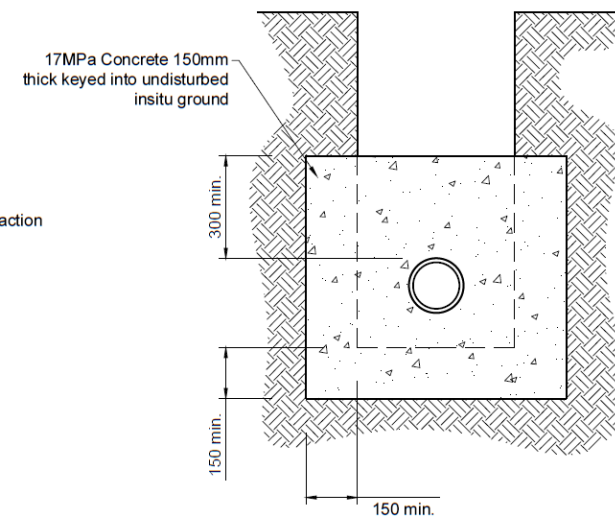
Sept 2015



Typical Rigid Pipe
Trench Detail



Typical Flexible Pipe
Bedding and Surrounds Detail



Typical Waterstop Detail

Notes:

1. Selected fill for WCC is generally AP40. Other Councils may allow other materials.
2. All material to be compacted in 150mm layers.
3. Rigid pipes include: concrete pipes, earthenware pipes.
4. Flexible pipes include all PVC pipes, all polyethylene pipes, copper, polybutylene, corrugated steel and aluminium pipe, steel and ductile iron pipes.

This drawing illustrates a means of technical compliance with the standard. Deviation from these may be considered by Council on specific application. It is the designer's responsibility to ensure they are referencing the most-up-to date drawing version.

Typical Trench and Waterstop Details

Regional Standards for Water Services Drawing

Dwg No:

DR03

Rev Date:

Sept 2015