

- (iii) For service connections larger than 50mm the chamber size shall be as per ADWEA standard specification and drawings.

- 5.16 Concrete pulling boxes shall be provided at locations where the polyethylene service connection pipe changes direction at a 90° angle, or as instructed by the Distribution Company.
- 5.17 All concrete chambers for service connection shall have a ductile iron cover as specified by the Distribution Company.
- 5.18 The top level of the chambers shall be raised or lowered according to the level of the nearest sidewalk or road kerbstone.

#### ***Service connection terminal points***

- 5.19 The polyethylene service connection pipe shall be terminated within a chamber or meter cabinet, or as instructed by the Distribution Company.
- 5.20 Fittings required for service connection are dependent on the type of connection. The connections in general are terminated with a gate valve and a Water Meter.

#### ***Service connection to HDPE***

- 5.21 MDPE service connections to HDPE pipelines shall be made using electro-fusion tee branches and MDPE pipe. Joints can be made either by electro-fusion or butt-fusion in accordance with the Distribution Company's/manufacture's recommendations.

#### ***Bulk consumers service connection***

- 5.22 Bulk consumers such as palaces, commercial and industrial Premises shall be provided with a suitably-sized service connection approved by the Distribution Company.

#### ***Tee-connection***

- 5.23 For bulk water consumers, a service connection could be arranged by using a Tee-connection from the distribution main. Such connections are generally 80mm and above in size. All such connections should be valved.
- 5.24 Each bulk consumer measuring point shall be equipped with the following as a minimum:
- (a) provision for installing flow measuring instruments; and
  - (b) a sample valve which can be used as an air vent.

#### ***Piping arrangements***

- 5.25 The piping arrangements for installation, shall be followed as defined within the relevant sections of ADWEA Water Works Standard Specification for the construction, testing and commissioning of piping works and systems for ductile iron, MDPE and HDPE shall be followed.