

## 1.1 Infrastructure Plan

### 1.1.1 Utility Services

#### Water

An existing 200mm uPVC watermain is located within Templar Road. It is envisaged that a new 80mm connection will be provided from the existing 200mm uPVC watermain to serve both sites (Target and Future Facility), located on the property. A Section 73 certificate needs to be lodged with Sydney Water to confirm the suitability of the water supply.

The average water demand for the Target Facility has been calculated at approximately 0.7 kilolitres per day, with a maximum of 1.1 kilolitres per day. An average water demand allowance of approximately 1.2 kilolitres per day, with a maximum of 1.7 kilolitres per day has been made for the future facility.

The peak flow rate for the Target site is estimated at approximately 0.90 litres per second. A peak flow allowance of 3.6 litres per second has been made for the future facility.

The fire hydrant demand is estimated at 30 litres per second for the property. Rainwater collection from roofs will be used for non potable water applications including: fixture flushing and irrigation services.

#### Sewer

One 225mm sewer connection point has been provided for the property from the existing 375mm glass reinforced polyester sewermain, running along the northern boundary of the property. This will be used to service the future facility.

It is envisaged that the sewer connection point required to service the Target facility will be provided through a new sewermain extending through the adjacent western property. An easement will need to be created through the adjacent western property.

The design, construction and supervision of the new sewermain will be undertaken by a suitably qualified Sydney Water designer.

A Section 73 certificate needs to be lodged with Sydney Water to confirm the suitability of sewer connection points.

The average waste water demand for the Target Facility has been calculated at approximately 0.6 kilolitres per day, with a maximum of 0.8 kilolitres per day. An average waste water demand allowance of approximately 1.0 kilolitres per day, with a maximum of 1.4 kilolitres per day has been made for the future facility.

The peak flow rate for the Target site is estimated at approximately 0.70 litres per second. A peak flow allowance of 3.6 litres per second has been made for the future facility.

#### Trade Waste

The Target facility will not require any trade waste. No trade waste provisions shall be provided to the future facility.

#### Gas

There are no gas mains available for connection, therefore no gas will be provided to the property.