**Introduction**

This section provides information to assess the effect of the development on the following services and utilities; electricity clean water, waste water and telecommunications. Gas services are not required for this development. Surface water drainage is dealt with separately in the Food Risk and Drainage Chapter.

Network Rail as rail authority and partner organisation has provided details of their services within Chesterton Sidings and the main line railway including historical records, building layouts and service routes these are summarized in Appendix A1. All the main Statutory Undertakers in the area of the proposed have been consulted.

**Electricity**

UK Power Networks provides electricity for the local area see Appendix A2. The High Voltage infrastructure is by way of a buried route entering Chesterton Sidings at the Cowley Road entrance.

There is an electrical sub-station within the site boundary.

This particular sub-station falls within the path of the development access road extension route from Cowley Rd and will therefore need to be re located within the site (see Appendix A1.)

**Clean Water**

Cambridge Water provide the clean water in this area see Appendix A3. There are 2 no water mains running along Cowley Road one of which is a 6”upvc firemain serving 2 fire hydrants strategically located along the road.

Cambridge Water have confirmed that the existing 6” upvc firemain has sufficient spare capacity to service the development.

**Waste Water**

Anglian Water provides foul and surface water drainage see Appendix A4. There are no Waste Water services shown within Chesterton Sidings. However, there are two potential sewer locations within Cowley Road.

The foul waste water shall be gravity fed from the station building and pumped from the platforms to a waste holding tank where it will be subsequently be pumped via a new 50mm diameter waste pipe to Cowley Road where it will interface with Anglian Water’s sewer.

An application to connect to Anglian Water sewer has been made. Further investigations are currently taking place with Anglian Water with regard to the detail of the connection.

**Telecommunications**

BT and Virgin Media are shown in the Cowley Rd. area see Appendix A4. A BT route shown entering the site to the North for the La Farge aggregate site buildings. A BT service also terminates just outside the Cowley Rd. entrance to the site.
If the development affects existing BT apparatus in the public highway then protection or diversionary work must be borne by the developer.

There is no significant implication in obtaining any new data/voice telecommunications connections to the proposed station building and development.

**Summary**

Based on the information provided by Network Rail and the Statutory Undertakers the following can be confirmed:

- Network Rail are content with the assessment and feasibility of the services and utilities strategy for the project at the current stage of development.
- There is no requirement for gas service supply for the proposed development.
- A relocation of the existing sub station within the site will be required. Electricity and all associated infrastructure can be provided for the development.
- There is sufficient capacity to provide a clean water supply to the proposed development.
- There is sufficient sewer capacity within Cowley Road to provide for pumped waste from the station building. An application has been made to Anglian Water for such a connection.
- BT has a licence obligation to provide to any customer requiring service.
- NTL have indicated that cable service can be provided to the site.

The scope of the proposed development poses no significant implications upon the exiting capacity of utilities currently surrounding or presently serving the site.
Appendix A. 'Service Layouts'
A.1. Network Rail
(see separate plan)
A.2. Electricity
(see separate plan)
A.4. Waste Water
A.5. Telecommons