

## Description

- ◆ SDS were appointed to undertake detailed design to divert the electrical and mechanical services of an operational hospital to allow for the demolition of 3 number 3 story accommodation building
- ◆ The demolition included that of a connected maternity building and the isolation of a listed administration building within the site boundary to facilitate the sale of the land for development.

## Involvement

- ◆ Organised appointment of a GPR survey specialist to assist in identifying below ground services
- ◆ Undertook an invasive survey of all buildings identifying existing services installed
- ◆ SDS identified that the Exeter Council City fibre link had been installed through the redundant maternity building
- ◆ Co-ordinated the diversion of the fibre optical services around the outside of the site boundary
- ◆ The water supply to the hospital had been installed into the maternity building so we arranged for a new mains cold water supply to be installed into the retained hospital site wide mechanical distribution systems
- ◆ There was a site wide BMS, fire alarm, intruder alarms, clocks, CCTV, external lighting controls and data provision which we identified linking the buildings, we scheduled all services identified and provided a detailed design for the removal of redundant services
- ◆ The site has its own low voltage electrical distribution ring main system serving all of the buildings from ring main switches, we designed a revised configuration with new submain cabling isolating the 5 number buildings including the provision for a new utility company electrical supply to serve the retained listed administration building.



## Benefits Delivered

- ◆ Identification of below ground services
- ◆ Recognition of fibre link installed through the redundant buildings and coordinating diversion
- ◆ Organising new mains utility services
- ◆ Management and re-provision of data and control services
- ◆ Re-provision of low voltage electrical distribution submain to serve the retained listed administration building.

*Diversion and re-provision of electrical and mechanical building services*