



## Case Study

### Pit and Duct Survey

#### OBJECTIVES

The aim of this project was to survey the pit and duct system across the site to determine if it was fit for purpose. Each pit was to be examined to conformity to JSP604 with any discrepancies noted. All ducts were to be tested for usability and current capacity.

#### SOLUTIONS

A three man team was deployed to the site with the existing pit & duct map. Starting at one end of the site each pit was opened individually, cleared of water if required and examined. Ducts were then tested to the next pit in line. The pit location was marked on the map to determine any discrepancies. This method was followed until all pits had been identified and tested. Finally, a site walk about was done to determine if there were any existing pit & duct routes that were not connected to the main routes. A detailed report showing every pit and duct was produced which included information on flooding, pit furniture, capacity etc.

#### BENEFITS

The survey identified usable pit routes around the site along with several collapsed ducts and pit chambers. The site duct map was updated to remove pits that didn't exist, add ones that weren't marked and update positions of the remainder. It also informed the site of the condition of their network and allowed informed decisions to be made on potential upgrade work and capacity issues.

#### AT A GLANCE

- Defence
- SCIDA references
- Security accreditation
- 30 pits on site
- Duration of work: 4 days



Quote.....

Name - if appropriate

Client - if appropriate