



Case Study

Pit and Duct Survey

OBJECTIVES

The goal of this project was to provide a comprehensive examination of the current pit and duct system at the site for the client. The aim was to assess its appropriateness, with each pit undergoing a meticulous inspection to ensure adherence to JSP604 standards. Any discrepancies would be duly noted. Additionally, an evaluation of the functionality and current capacity of all ducts was to be conducted.

SOLUTIONS

Implementing a strategic approach across the site, the team utilised the current pit and duct map to open pits, clear water as needed, and perform examinations. Ducts were tested up to the next pit in the sequence, with precise pit locations recorded on the map to identify any inconsistencies. This process was repeated until all pits had been identified and assessed. Finally, a site survey was conducted to determine whether there were any existing pit and duct routes that were not connected to the main routes. A comprehensive report showing every pit and duct was generated providing information regarding flooding, pit furniture and capacity.

BENEFITS

The survey identified functional pit routes around the site as well as numerous collapsed ducts and pit chambers. The site duct map was revised removing non-existent pits, documenting unmarked pits and updating positions of remaining pits. The survey also provided the client with insights as to the condition of the network, enabling them to make well-informed decisions regarding potential upgrades and future capacity issues.

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AT A GLANCE

- Defence
- SCIDA references
- Security accreditation
- Duration of work: 4 days



“Gathering accurate information was crucial in enabling us to offer the client a comprehensive survey. We are delighted to have successfully completed this project to the client’s satisfaction.”

HS Infra Project Manager

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