

**Project:** Alkerden Infrastructure, Roads and Drainage

**Value:** £420,000

**Duration:** 9 Weeks

**Start Date:** 9<sup>th</sup> March 2020

**Client:** Erith Contractors Ltd.

**Completed:** 8<sup>th</sup> May 2020

**Project Description:**

The site was situated off Watling Street, Dartford, close to Blue Water shopping centre.

Our client was Principle Contractor carrying out a major earthwork operating platform to enable the development of domestic, commercial, educational, and public spaces.

Complete Moling Services (South East) Ltd. were engaged to carry out construction and installation of 1320 meters of foul and surface water drainage ranging between 100mm  $\varnothing$  to 1200mm  $\varnothing$  and pre-cast concrete manhole chambers ranging from 1200mm to 2400mm. The project involved construction of 10 manholes and 54 gullies.

**Challenges:**

The ground conditions were highly unstable for deep drainage operations of depths of up 6.5 Meters consisting of, predominantly, compacted sand.

COVID 19 restrictions were implemented by the Government immediately as the project started requiring an immediate and thorough review of new legislation and major amendments to operational procedures and the Project Management Plan.

COVID-19 had an immediate negative impact on supplier stocks of construction materials required to complete the project and on the operational productivity posing a threat to program.

**Outcome:**

Professional designers were engaged to develop temporary works to ensure the most effective designs and associate equipment were applied to the conditions. Safe systems of work and emergency planning were produced and implemented ensuring the safe execution of works.

CMS developed COVID-19 site operational procedures and accompanying monitoring arrangements which were applied, monitored, and amended to changes throughout the project.

CMS communicated with existing suppliers to confirm orders, availability, and schedule. Where gaps were identified, new suppliers were sourced, and materials were procured without causing delay to program.

The program activities were reviewed and adapted to meet COVID distancing requirements whilst maintaining key program dates.

The project was completed on time, without defect, within budget and with zero harm or COVID-19 related illnesses.



*Client Site Manager "Well organised and executed. Managed the emergence of COVID-19 impact on site operations effectively".*