



Norwood Road Trunk Main

Client	SMBjv
Project & Location	Norwood Road Trunk Main
Duration	Start: May 2019 Completion: April 2020
Infrastructure Requirement	Trunk Main Replacement
Scope of Works	<ul style="list-style-type: none"> 840m of 600mm ductile iron trunk main installation. Multiple temporary works designs and installations. 3 Syrinix Trunkminder/ Pipeminder units to be installed 2 end connections via use of line stops. 3 cross connections

PROJECT OVERVIEW

Norwood Road has been the location of multiple main bursts in recent years, hence the requirement for the replacement of a section on the existing water main. The project, which comprises of 840m of open-cut installation, along with two end connections and multiple cross connections, between the Tulse Hill Gyratory and West Norwood town centre. The location in which the project takes place, embodies two key stakeholders, those being Transport for London and Lambeth Council. Additional stakeholders include Thames Water as the asset owner, and Network Rail, where part of the works were installed by open-cut methods beneath the railway bridge.

The project features a variety of traffic management phases, designed intricately to reduce effects on the traffic flow as much as reasonably practicable. To complete this project, Instalcom utilised a range of trenching methods and shoring designs to ensure a safe and efficient methodology for completing the works in difficult ground conditions. Shoring works included the use of trench boxes and sheet piling.

In a project where space was minimal, Instalcom showcased their ability to work in close quarters with in depth planning and carefully organised logistical movements, to minimise effects on the local community and maximise production as works proceeded. Key stakeholder engagement and project wide collaboration was key to the works on site.

DELIVERY & INNOVATION

- Instalcom and SMBjv worked together in a collaborative nature, to minimise risk and increase productivity throughout the project duration
- Utilising a continuously updated QA matrix to ensure conformance to specification to provide a high quality engineered installation
- Weekly co-ordination meetings with Thames Water Operation teams
- Development and maintenance of "Handover Matrix" with SMBjv & Thames Water

KEY CHALLENGES

- Restricted site access / work location with less than 3m wide working space in places
- Complex traffic management
- Site, residential, commercial access/egress & delivery maintenance
- Multiple Stakeholders; Thames Water, Transport for London, Network Rail and Lambeth Council
- Existing services and road condition
- Variety of temporary works designs



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PROJECT KPIs

- Achieved ZERO harm
- No Environmental incidents
- Project quality recorded and updated weekly. Kept to a very high standard and regularly audited by the client to ensure an efficient final handover
- Regular audits on H&S, environmental and documentation carried out both internally and by client, with generally minimal issues, rectified quickly
- Strong communication links between all project parties to ensure ongoing project efficiency with the intention of reducing rework with “right first time” ethos
- Instalcom have been proactive in approach to developing more efficient and safer working practices
- Potential issues such as existing utility obstructions have been identified early on, and avoided through planning and contractor interaction
- Where the existing obstructions could not be avoided, Instalcom have played a pivotal role in providing experienced design assistance to the client to develop cost effective solutions



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Contact us at:-

Instalcom Ltd
Borehamwood Industrial Park
Rowley Lane
Hertfordshire WD6 5PZ
T: 020 8731 4600
info@instalcom.co.uk
www.instalcom.co.uk



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