



## Stoke Newington Trunk Main

## PROJECT OVERVIEW

The 30" Stoke Newington trunk main has been subject to numerous bursts over the past few years, hence the requirement for the replacement of a section on the existing water main.

The project, which contains 1.6km of new slip lined 710mm pipe which runs from south of the twin Reservoirs located in Stoke Newington on Lordship Road to Northwold Road. The works include 160m of open cut excavation due to site conditions and constructability issues.

The two key stakeholders for the project are Transport for London and Hackney Council, and additional stakeholders include Thames Water as the asset owner.

To complete this project, Instalcom utilised a range of trenching methods and shoring designs to ensure an efficient process on all ground conditions we faced. Shoring works included the use of sheet pile/water installation.

In a project where space was minimal, Instalcom showcased their ability to work in areas heavily congested with existing utilities, and carefully organised logistical movements, to minimise effects on the local community and maximise production as works proceeded.

## DELIVERY & INNOVATION

- Due to the constraints on this site regarding space a "just in time" approach was adopted for the delivery of pipes. Instalcom and PTS, worked effortlessly to communicate and deliver new sections of pipe when required. This allowed the works to be completed on time without delay
- Instalcom and SMBjv collaborating to ensure full compliance with Technical Specifications to provide a high quality engineered installation

### Client

SMBjv

### Project & Location

Stoke Newington Trunk Main

### Duration

Start: November 2018

Completion: Jan 2020

### Infrastructure Requirement

Trunk Main Replacement

### Scope of Works

- 1.8 Km of 360mm/710 main reline of 30in
- Install New TMM on replaced main (3No)
- Install new TMM on Upper Clapton Road and Lea Bridge Roundabout Section (2No)
- Testing & Commissioning

## KEY CHALLENGES

- Vehicle access and egress
- Major Traffic Management
- Programme key dates
- Three Conservation Areas & Local Nature Reserve & Registered Park and Garden
- Major services on Stamford Hill/Northwold Road
- 36in Main in poor condition
- Major railway crossing
- Increase in PRV setting causes failure of 36in main



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Instalcom Ltd

## PROJECT KPIs

- Achieved ZERO harm
- No Environmental incidents
- Regular audits on H&S, environmental and documentation carried out both internally and by client. With generally minimal issues, rectified quickly
- Project quality recorded and updated weekly. Kept to a very high standard and regularly audited by the client to ensure an efficient final handover
- Strong communication links between all project parties to ensure ongoing project efficiency with the intention of reducing rework
- 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



## CONTACT US

Want to know more about the Instalcom infrastructure service offering in the following sectors:-

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