



Silvertown Tunnel Trial Holes

Client

Skanska

Project

Silvertown Tunnel Trial Holes

Duration

Start: May 2020

Completion: October 2020

Infrastructure Requirement

Utility Diversion

Scope of Works

- Deliver and survey 47 No Trial Holes in critical areas for the Silvertown Tunnel Project
- As-built survey of trial hole with GPS
- Cross-section showing dimension of TH and all assets

PROJECT OVERVIEW

Safely deliver 47 no trial holes which were required to be undertaken in both public and private land. The locations of these trial holes were located at all the high-risk areas which were governed by the projects DCO.

Confirm that the ground is clear of obstructions to allow for existing utilities to be diverted into the propose alignment.

Instalcom were responsible for undertaking all civils work associated with the trial hole works, which will include the excavation, protection where required, backfill and reinstatement.

Providing key information through As-built surveys, Cross-sectional drawings showing dimensions of trial holes and all assets found along with photographs and trial hole logs

DELIVERY & INNOVATION

- Due to the condensed nature of some of the Trial Hole locations, vacuum excavation was adopted to help reduce the risk of working in and around live services
- Instalcom and Skanska collaborating to ensure full compliance with Technical Specifications to provide a high-quality engineered installation
- Adopting a digital method of managing Hand Arm Vibration using Reactec Watches

KEY CHALLENGES

- Third Party Management
- Vehicle access and egress
- Major Traffic Management
- Programme key dates
- Dealing with multiple landowners and Local Authorities
- Working with poor ground conditions
- Contaminated Land
- UXO
- Working within COVID-19 Testing Centre

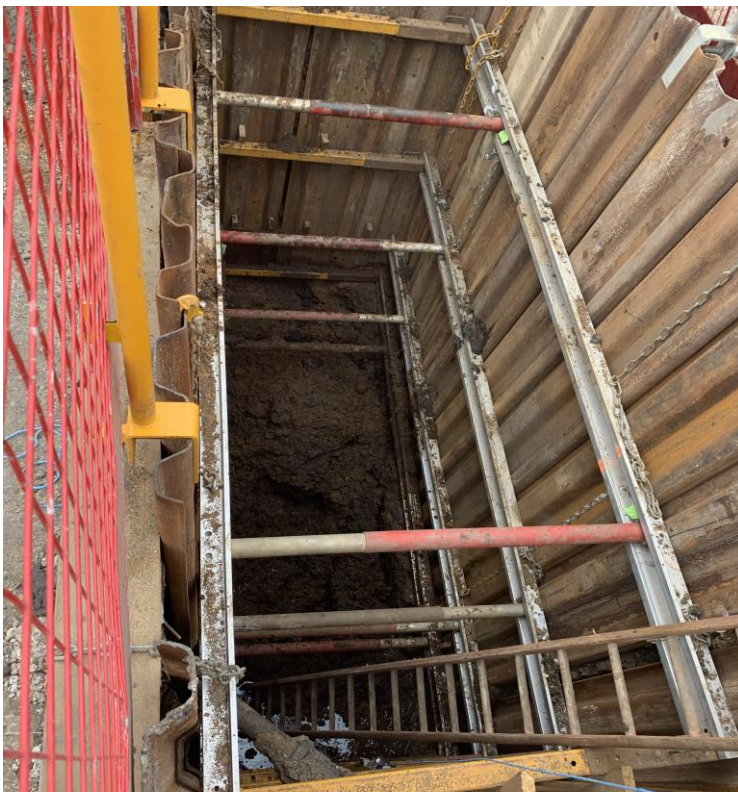
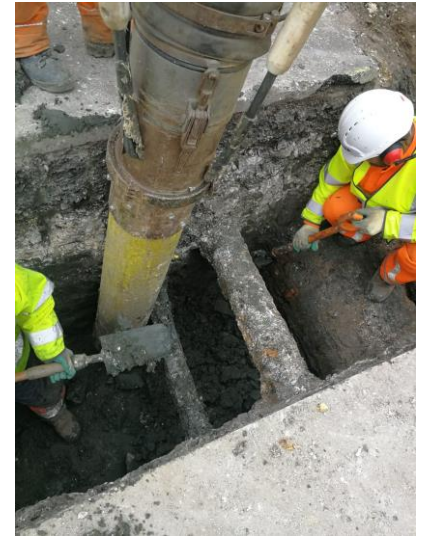


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Instalcom Ltd

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



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