



NEW 250MM GAS MAIN INSTALLATION

Hertfordshire



Gas

Value	Undisclosed
Voltage	-
Capacity	-
Client	Undisclosed
Duration	2 months
Date completed	October 2021



Pre-construction

JSM was appointed Principal Contractor to install multiutilities for a multimillion pound development of 4 commercial properties and one Data Centre.

Construction

JSM was Principal Contractor for a 2-month multi-utility install at a commercial and data centre site, completed in October 2021. Works included a 250mm gas main using open cut and Horizontal Directional Drilling (HDD), with live connections and various jointing methods. JSM coordinated with local authorities and agencies, managing challenges like restricted road access, unrecorded water mains, and nearby HV/fibre cables. Solutions included HDD across the A10, trial holes, a pedestrian marshal, and detailed planning to meet all constraints.

Post-construction

Project concluded successfully with all utilities installed and coordinated safely and efficiently.

- Design
- Excavation
- Backfilling
- Reinstatment
- Horizontal Directional Drilling

- Testing
- Commissioning
- Traffic management
- Handover documentation
- Gas Main installation

PROJECT CHALLENGES

CHALLENGE



Restricted opening notice (M25 works)

No excavation on main carriageway

Footpath closure on busy road

Proximity to HV and fibre cables

Deep excavations

Unrecorded water mains

Tight coordination needs

SOLUTION



Programme built around notice

Used HDD across A10

Deployed dedicated Pedestrian Marshall

Used trial holes and hand digging

Appointed temporary works designer and used approved shoring methods

Trial holes identified them before HDD

Issued detailed programme and held regular progress meetings

