

WHITECHAPEL SUBSTATION ASSESSMENT

Location

Whitechapel, London Borough of Tower Hamlets

Client Type

Land Owner

Key Collaborators

UKPN, Landowner, Developer, project and design team

Workstage

RIBA 0-3 Strategic, in support of planning application

Summary

The Whitechapel area of Tower Hamlets is experiencing a concentration of redevelopment around Royal London Hospital. While projects are moving forward at different timescales, once completed they will form a green spine through their centre.

The Challenge

The developer client wanted a clear understanding of existing electrical infrastructure on and around a number of plots. They commissioned the Infrastructure Coordinator to review substations and electrical routes and liaise with UKPN. Substations on the client's plots would need to be relocated to accommodate more suitable ground floor layouts.



Infrastructure Coordination
Development Service

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Our Approach

Our review used a range of data sources, including UKPN asset information, the GLA's Infrastructure Mapping Application and the Pilot National Underground Asset Register (NUAR) which identified substations, major electrical routes and planned asset upgrade works in the area.

The Infrastructure Coordinator deduced how the substations may be linked as well as establishing that those on the client's plots fed developments on adjacent plots, which would have to be factored into the relocation workplan.

Key Outcomes

The Infrastructure Coordinator worked as the host for the collaborative approach, delivering cohesive insight and managing the various data streams and stakeholders involved. Working with the design engineers, a request for a budget estimate to supply the sites and relocate the substations was submitted to UKPN. This provided additional confidence in the layouts submitted for planning approval.

We delivered maximum efficiency for the client timeline, reduced bureaucracy blockages and saved time and money for the client.



Future Proofing



Data Resources



Strategic Approach



Saved money



Stakeholder Collaboration



Local Collaboration

Testimonial

"The project team working on behalf of DHSC and NHS PS appointed the Tower Hamlets Infrastructure Coordination Service to assist in our assessment of available power capacity for our masterplan project at Whitechapel. Their team gathered the relevant status of current and planned capacities in the area and worked with our consultants to develop a strategy for interfacing with UKPN at this relatively early stage of the project. This has resulted in a coordinated strategy with UKPN that optimises old and new power infrastructure within our masterplan scheme and for the wider area. The experience of working with the team was excellent."

Richard Cowan,
Operations Director,
Development Management,
M3 Consulting

MAYOR OF LONDON