

Erdington, Birmingham

Aarsleff's multidiscipline capabilities adds value for client in the West Midlands

In July 2023, Aarsleff mobilised to site in Erdington, Birmingham to implement a scheme to replace a failed timber retaining wall on site. Working for DES Build, Aarsleff were able to not only install a new king post wall system to ensure the stability of the site but all enabling and delivery works as well which provided flexibility and savings to the client.

By engaging early with Aarsleff, our client benefitted from value-engineering. We optimised the span by adjusting the backfill material level which meant through effective operations and design coordination, we were also successfully and safely able to bridge across live services. Our design engineers not only created a detailed king post wall design but also carried out slope stability analysis, allowing for in-depth understanding of site by all parties.

One of the major challenges on site was technical coordination and communication. A proactive approach was taken by Aarsleff, carrying out multiple early site visits to understand the project constraints in detail and advise upon the best solution. This collaborative approach continued throughout the project, with members of the team from all lenses

of project delivery attending various meetings with wider stakeholders to fully understand concerns to ensure a safe and effective delivery for all. This combined with Aarsleff's strive for operational excellence in all that we do, reacting quickly to issues encountered on site and keeping the client updated of progress, ensured that the project was delivered to programme and to the highest of qualities.

Project Manager, Zohaib Khan, commented, "A challenging retaining wall project due to the restrictions posed by the stakeholders and constraints relating to technical and operational management. The project was safely delivered as per programme with a final product that exceeded client expectation. The project demonstrates the ability held by AGE to deliver bespoke civils and piling schemes as specialist geotechnical contractor. A good team effort from all personnels and support departments involved in the project."



Data

- Remove existing failed timber retaining wall
- Carry out excavation works
- 73l/m of King Post Wall with reinforced concrete panels with vibratory side grip pile driving vibratory hammer attachment
- Installation of a drainpipe behind the KPW

Client

DES Build

Type of contract

Design and build contract

Construction period

July 2023

Contact

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