

Thameslink Programme

Health & Safety – Good Practice 025

Perspex Protection around exposed services

Overview/Description

The Costain Construction team at London Bridge Redevelopment have been tasked with developing safety innovations for excavating around exposed services.

In January 2017 whilst excavating to construct the Tooley Street Façade Pile Caps and issue arose where operatives had to work around 'Pot Ended' cables.

Although these cables had been terminated previously, they were still live and had the ability to cause significant harm and disrupt existing services if they were damaged.

To avoid further the need to further interface with these services a protection box was suggested to be placed around the exposed pot ends.

At first the team considered a plywood box however whilst it would serve as a protection from being accidentally struck, it would cover the pot ends and hide the hazard.

The team then developed the idea further and designed a perspex box to surround the service offering protection and a visual reminder to those working within the vicinity.

Benefits

- Easy to construct on site to suit services.
- Services are visible at all times.
- Perspex screens/box protect exposed services from accidental clashes.
- Inexpensive solution.
- Stands out as a protection box, in comparison to plywood which is widely used on site

