

# Amersham Signal Equipment Room



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*“Compound setup, CFA, piling, pile caps, steel erection and drainage”*



**Steel work erection**

The construction of an SER base at Amersham as part of the London Underground/ TFL 4 Line Modernisation scheme in North West London.

### Project Deliverables

Pod-Trak undertook the construction of all civils aspects of the project; this included a temporary piling mat, 15 no. CFA piles and pile caps, embankment stairs, the installation of a prefabricated steel frame and walkway and all associated drainage. Pod-Trak also carried out all preparation work for SSE including tree protection, haulage roads and setting up of the site compound.

### Challenges and Solutions

Restrictions with space on site and its proximity to the main road adjacent meant that all deliveries had to be scheduled between 7:00 and 8:00am with the SER delivery date being the key programme deliverable driving the completion date.

During the piling works, chalk was discovered at 2m below



**Completed SER building**

ground level. As a result the concrete was not achieving its design strength. To alleviate this, casings were used to line the auger but this method added time to an already challenging programme. By carrying out some works concurrently the delay was avoided.

As a saving to the client and to reduce our environmental impact our Project Engineer proposed to use the excavated material to regrade the embankment. This was accepted by the client and significantly reduced the number of muck away loads that would have been required.

**PILE CAP FOUNDATIONS AND STEEL FRAME ERECTION**

  
**NOVEMBER 2018 – JUNE 2019**

**VALUE  
£775,000**

**AMERSHAM**

