

BASFORD HALL FTN / REB & COMPOUND EARTHWORKS

Crewe

Basford Hall, near Crewe, is one of the busiest yards in the UK for rail freight traffic. An area was required for the new FTN and REB to be installed.

PROJECT BACKGROUND

- Appointed by Siemens.
- Installation as per the approved construction design.
- Scope included reducing and removing an area of existing embankment down to the required level.
- Over 3000 tonnes of spoil had to be removed from the area and site.

CHALLENGE

Van Elle had to react to unexpected changes on site regarding the removal of material by increasing the number of grab lorries and extending the Temporary Traffic Management. We worked with authorities to ensure permits were completed to enable continued site access.

SOLUTIONS

Van Elle planned & undertook the following within this project –

- Traffic Management - We liaised with the authorities to arrange permits and temporary traffic management to safely access and remove spoil from the worksite.
- Cable Avoidance & Trial Holing – Our teams carried out buried services investigation throughout the area.
- Any Line Open Working— All Any Line Open Planning & Responsible Management was carried out by our experienced Rail Contracts Team, Works were carried out next to an operating railway and were coordinated by our own Any Line Open Co-Ordinator.
- Waste / Spoil Removal from Site — As part of the scope of works the team managed and planned 190 grab wagons over 13 days with up to 22 per day attending site.
- Regrading and Stepping Embankment— We had to reduce the ground on the embankment which required a temporary works design. Steps and batters were dug in to protect the teams and graded slopes as per the approved design drawings.
- On Site Setting Out Engineer — Van Elle's engineer ensured the excavated area was as per the setting out coordinated and AOD levels met the design requirements. Follow-up 'As Built' was captured and handed over to the client

AT A GLANCE

Sector: Infrastructure

Solutions: Embankment Stabilisation

Techniques: Cable Avoidance, Trial Holing, Any line Open Working, Regrading and Stepping Embankment

Client: SIEMENS

