

“6km of new track between Lea Bridge and the new station at Meridian Water”



Steel installation



Portal installation

As part of Network Rail’s £170 million Lee Valley Rail programme, disused land was used to reinstate a third track between Lea Bridge and the new Meridian water station.

The upgrade included 6km of new track which will allow an extra two trains per hour (peak) to run between Stratford and the new Meridian Water station, reduce congestion for passengers and support regeneration across the Upper Lee Valley area.

The OLE scope of works was to install 150 CHS piles and 5 gravity foundations. There were 140 Main Steel structures to erect, which consisted of STC’s, TTC’s and Portals. The SPS and support components are a mix with OLEMI from Lea Bridge to Coppermill and Series 2 thereafter to Meridian Water.

The conductors are 19/2.1 Bronze 2 and 107 Copper for the main line and 19/3.25 Aluminium for all Return Conductors and Aerial Earths. The scope also included the installation of 4 Neutral Sections, 2

Booster Transformers, 5 Switches, bonding and the installation of 9 new HV cables and commissioning.

Much of the piling was completed off track using a Haul Road with all other tasks being completed using the new Lea Valley Reverse (LVR) and two existing lines.

As well as the LVR, there were

various adjustments to make on the existing lines to enable structure removals for the LVR P-Way gauge and regeneration at existing stations Tottenham Hale and Northumberland Park, as well as a new station at Meridian Water.

Works were completed and successfully section proved in late February 2019.

PART OF A MULTI-DISCIPLINARY DELIVERY

AUG 2017 – MAR 2019

VALUE £7M

LEE VALLEY, NORTHEAST LONDON