

Lineside Civils (Power)



GGP Consult have worked on a numerous projects encompassing power and equipment renewals, upgrades requiring site surveys and civil engineering designs. Clients include major rail infrastructure contractors and our various discipline design partners.

Having experience with all aspects of Civil Engineering within rail infrastructure, our engineering professionals are well equipped to provide generic, Network Rail standard or bespoke engineering solutions tailored to suit your project schedule and CR-T/Technical Work Scope requirements.

Foundation designs listed opposite have been undertaken throughout the UK in relation to;

- Safety Extra Low Voltage systems (<50V)
- Low Voltage Domestic, Distribution and Signalling Supply Systems (230V, 400V & 650V)
- High Voltage Distribution and Traction Feeders (11–25kV)
- Critical Supply Systems
- Lighting Systems
- LV & HV DNO Supplies

As well as the design for the lineside civils works, GGP offer so much more. From feasibility support and structural condition surveys to determining the suitability of existing equipment buildings, through to renovation design and specifications. We also offer E&P/M&E design in conjunction with our multi-disciplinary design partners.

Lineside Civils in Relation to:

Straight Post, Cantilever, Gantry Signals
 REB (Relocatable Equipment Buildings)
 PSP (Principal Supply Point)
 UPS (Uninterruptable Power Supply)
 ASP (Auxiliary Power Supply)
 LOC (Location Cabinet)
 DNO (Distribution Network Operator)
 Mobile Generators
 Lighting Columns
 CCTV Masts
 GSMR (Global System Mobile Railways)
 UTX (Under Track Crossings)
 URX (Under Road Crossings)
 UFX (Under Farm Crossings)
 Stagings (Up Bank & Down Bank)
 Drainage & Cable Containment
 Substations

Surveys

Cable Route Surveys
 Topographical Surveys
 3D Laser Scanning Surveys
 Building & Dilapidation Surveys
 Drainage Surveys
 CCTV Surveys
 GPR Surveys

Design Services

Feasibility to As Built
 Client Specification Production
 Client Representation
 Tender Support
 Technical Approval to NR/L2/CIV/003
 F001, F002, F003 and F004
 Landlords Consent Applications
 Project Management
 Temporary Works Design