



Client:
United
Utilities



Location:
Burnley



Programme:
6 months



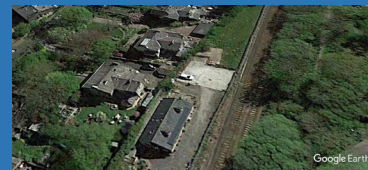
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Incidents

BURNLEY AUGER UTX – SEWAGE

Vital Consultancy were appointed as Rail Specialist for the design and Monitoring of the UTX project liaising with Network Rail ASPRO, the Client and their appointed contractors throughout Design, NWR Engineering Approvals, Auger bore installation and track / infrastructure monitoring.

Scope of Works

- Ground Investigations (Boreholes) and interpretive reports to 6.5m deep.
- (DURS) Desktop Utility Record Searches, Topographical Surveys, (GPR) Ground Penetrating Radar, Utility detection and Drill profile surveys.
- Network Rail Services Searches.
- CEM, CRE Design and CRE Construction.
- Design Submission Form A (AIP) and Form B (Certificate of Design and Check).
- Preparation and submission of monitoring and drilling (RAMS) Risk Assessments and Metod Statements + Track Monitoring Plan (TMP).
- Installation of 1 x 406mm diameter steel auger with 1 x 355mm O/Diameter PE80 SDR11 MDPE duct 2.20 metres beneath rail sleepers to crown of pipe.
- Drilling route passed beneath:
 - 2 x Network Rail Main Lines.
- Monitoring of Network Rail Infrastructure in accordance with NR/L2/CIV/177.

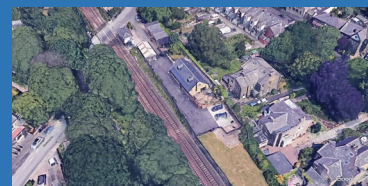


Collaborative and Efficiency Delivery

- All works were non-disruptive to Network Rail. These works were planned with Network Rail ASPRO and related project stakeholders.
- Regular meetings were held with Network Rail and the client throughout the works. Management Team Vital Consultancy ensured compliance and assurance with Network Rail standards and requirements
- The crossing was carried out using Auger Bore Technique taking circa 3 days to install with monitoring carried out on a 24/7 basis in line with NR/L2/CIV/177.
- Working programme updated as required to encapsulate Document Review Notices (DRN).

Communication and detailed planning were key. To achieve this, our planning team engaged in regular Microsoft Teams meetings with the Client's Project Management Team and Network Rail ASPRO Team to align and discuss: -

- Project Programme.
- Wayleave Agreements. Business and Technical
- Possession Applications.
- Deliveries and laydown areas.
- Launch and reception shafts
- Auger Bore installation requirements.
- Design technical queries.
- Network Rail Track and Infrastructure Monitoring.
- Network Rail Document Review Notices (DRN's).



"A testament to the team's expertise and commitment, with complex requirements and standards handled efficiently and project outcomes exceeding expectations."