

Pro Rail Services



CLIENT NAME

Network Rail

PROJECT NAME

Sidcup & Crayford Track
Drainage Renewal
Project

SECTOR

Railway Drainage

PROJECT VALUE

£55,000

DURATION

27 hours

LOCATION

Bexley, SE London

CONTACT US

01707 226 501

www.prorailservices.co.uk

info@prorailservices.co.uk

Follow us @prorailuk

2nd Floor

Titan Court

3 Bishop Square

Hatfield, AL10 9NA

SIDCUP AND CRAYFORD TRACK DRAINAGE RENEWAL NETWORK RAIL

THE CUSTOMER

Pro Rail Services Ltd. is a Railway civil engineering contractor who execute maintenance contracts on Network Rail and TfL infrastructure. This project took place on the South East Route.

THE CHALLENGE

Sidcup and Crayford railway stations are both on the HDR Line (Hither Green Junction to Rochester) in South East London. Both, also, had been identified as pinch points in the track drainage system, where there was heightened risk of flooding, which could affect passenger services.

Network Rail was keen for this to be addressed as part of its planned maintenance programme. Pro Rail Services Ltd. via UKDN Waterflow was commissioned to replace track drainage at both stations, during a 12-hour weekend daytime possession.

Timescales were tight. The project was tendered five weeks before possession. Pro Rail Services Ltd. was retained with three weeks to plan the works and mobilise its delivery teams.

THE SOLUTION

The Pro Rail Services Ltd. planning team quickly put together a project plan that would ensure the works could be completed safely and effectively at both stations, which are two miles apart, within the 12-hour limit.

- The track drainage renewal teams consisted of four site managers, six engineers and 75 skilled rail maintenance operatives working across both locations.
- Four road rail excavators, with trained RRV operators, and a team of crane and machine controllers were also brought in.
- Materials, including 300 tonnes of ballast, were transported to the site by engineering trains.



Our Lifesaving Rules



Pro Rail Services



CLIENT NAME

Network Rail

PROJECT NAME

Sidcup & Crayford Track
Drainage Renewal
Project

SECTOR

Railway Drainage

PROJECT VALUE

£55,000

DURATION

27 hours

LOCATION

Bexley, SE London

CONTACT US

01707 226 501

www.prorailservices.co.uk

info@prorailservices.co.uk

Follow us @prorailuk

2nd Floor

Titan Court

3 Bishop Square

Hatfield, AL10 9NA

SIDCUP AND CRAYFORD TRACK DRAINAGE RENEWAL NETWORK RAIL

THE IMPLEMENTATION

Over the 27-hour possession, the Pro Rail Services Ltd. teams installed 60 metres of new track drainage pipe at Sidcup station, and 40 metres at Crayford Station.

First, the old pipework had to be excavated and removed. The new pipework was 225-millimetre diameter half-perforated plastic (HDPE). Ballast was laid within trench liner membrane to prevent root ingress.

At both stations, three new catchpits, made from glass-reinforced plastic (GRP) were also installed. The new track drainage lines were then jetted clean and surveyed by one of Pro Rail Services Ltd.'s CCTV camera teams, to show the pipework was fit-for-purpose and fully-operational.

THE RESULTS

- 100m of new track drainage installed at two stations within the 27-hour possession time
- All works carried out safely, with no incidents reported, precisely to Network Rail's specification
- Ability of Asian longhorn beetle to spread greatly curtailed
- Potential risk to passenger services from track flooding greatly reduced by installation of an optimum track drainage solution
- Network Rail is fully-appraised of scope of phase 2 works to replace remaining track drainage at Crayford Station.



Our Lifesaving Rules

