

Pro Rail Services



CLIENT NAME

Network Rail –
Anglia Route

PROJECT NAME

Bacton Embankment -
Toe Drainage
Emergency Works

SECTOR

Railway Drainage

DURATION

4 week duration

LOCATION

Bacton, Anglia Route



BACTON EMBANKMENT – TOE DRAINAGE EMERGENCY WORKS

INTRODUCTION

Pro Rail Services Ltd. is a Railway civil engineering contractor who execute Railway Engineering contracts on Network Rail infrastructure. This reactive project took place on the Network Rail Anglia Route for Works Delivery.

THE CHALLENGE:

We were contacted by our client at Norwich DU to resolve a Reactive Call Out problem with flooding to the rear of houses at the toe of an embankment which was part of the Railway Infrastructure at Bacton, near Norwich.

The scope of the works included:

- To reform 120m of ditch drainage
- To carry out devegetation for 220m
- To investigate a drain from the highway on to Network Rail land
- To carry out track monitoring for 300m

The key challenge was to install new Earthworks drainage at the toe of an embankment with monitoring any movement over the 220m long scheme.

THE SOLUTION

The Pro Rail Services project team delivered a project plan that ensured that the works could be completed safely and effectively, and within the programme constraints.

The Team consisted of:

- Site HSEQ Coordinator
- Project Manager
- Site Manager
- Senior Engineer
- Surveyor
- Temporary Works Coordinator
- Excavator Operators
- Dumper Operators
- Traffic Marshall
- 6 No. multi-skilled Operatives working across the site: including Confined Space Staff

CONTACT US

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DELIVERING THE SOLUTION

We developed an hour-by-hour project delivery programme.

Over a 4 week programme of works Pro Rail Services supplied a full in-house team to install drainage and fencing over the 220m scheme.

The new drainage installation was set out and installed to the correct levels using a laser level.

4 No. new GRP catch pits were installed.

On Plant provided by our in-house fleet included:

- 1 x 8-ton Mini Digger
- 2 x 4-ton Dumpers
- 2 x Power Wheelbarrows

THE RESULTS

- 120m of reformed ditch drainage
- 100m of new 225mm piped drainage
- 4 No. GRP catch pits
- 220m of de-vegetation
- 300m of new chain link fencing
- Upgraded the existing outfall to a culvert, including new sand back head wall and new concrete base
- Post works CCTV Survey Report
- AutoCAD Drawing provided with the new levels and catchpit mileages
- Full ITP check sheets for each catch pit and drainage installation
- Weekly progress meeting with the Client, clash checking programme with the Track Teams

Other project benefits:-

- Programme - delivered on time
- Zero Late Possession Handback
- Zero Incidents or Accidents
- Zero Section 61 noise concerns
- Handback Documentation submitted to programme

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