



Murphys



Raised Inspection Apron



November 2020



4 Weeks

We were contracted by Murphys to construct a raised inspection apron and a lower driver walkway, 180Lm long either side of the live electrified siding line.

The project scope consisted of:

- Removal, storage and re-use of 260 tonnes of ballast - which was done by hand as overheads were live at all times.
- Installation of 402nr 150mm dia Grundomat piles, with 402 galvanised "T" piece gravel board retainers grouted into piles.
- Installation of 800nr 1.8m ballast retention boards, 4 per bay.
- Removal of 180Lm of existing footpath and existing 6 sets of 4 steps to gain access to track foot crossings.
- Removal of 16nr 800mm x 500mm x 300mm PCC lighting bases.
- Lay and compact 280 tonnes of type 1 stone and 25 tonnes of 6/2mm grano topping to the inspection apron's walkways.
- Re-kango pack the ballast along the full 180Lm of the siding track, where ballast had been disturbed during partial ballast removal from sleeper ends.
- Installation of 400Lm of galvanised handrail, including step returns and step raiser handrails.
- The installation of the limited clearance signs on the apron closest to the running line was the last operation carried out.



Universal Group

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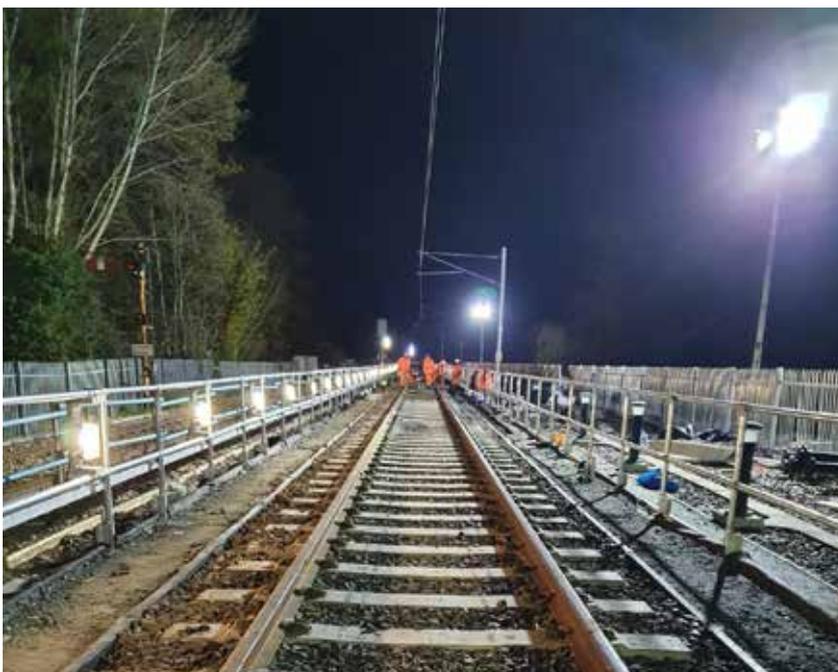
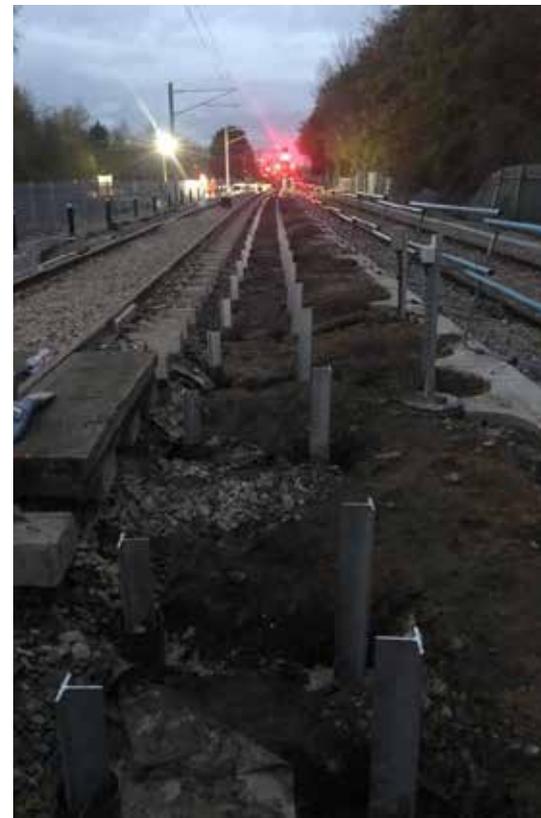
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The demands of the project meant this high volume of work was to be completed in 4 weeks, which ordinarily would have commanded a much longer programme. The task was made more challenging as the OLE was live; therefore, all material removal/importing and pile installation was done using basic hand tools only.

Not only did the Universal Group team complete the works in time, it was done with zero incidents/accidents and to a very high standard. Highly commended by Murphys and NWR alike, this fantastic achievement was made possible due to all of Universal Group's individual divisions (Piling, Civils, Resource Solutions, Plant/ Yard and our Head Office) working together collaboratively and is a testament to everyone's hard work, commitment, clear internal communication and united focus.



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