

Project Name: Horton Park School Retaining Wall

Client: Bradford Metropolitan District Council

As part of our framework contract with Bradford Council Hinko Construction Ltd were awarded this 6 week retaining wall project.

The existing access to Horton Park School had seen degrees of movement and also offered no edge protection to the users of the footpath.

To address this Bradford Metropolitan District Council designed a mass fill concrete retaining wall clad with Brickwork.

This would not only stabilise the road but also act as edge protection to the walkway.



The first operation was to excavate to formation, close liaison with residents was essential, however by explaining what the work involved and the benefits, this combined with undertaking the works during the school summer holidays we were able to undertake the works without disrupting peoples every day activities.

Using a 3t mini digger the foundations of the wall were excavated, the ground was stable which meant that no temporary works was required to support the excavation.

Once to formation the resultant foundation was cast allowing for brickwork to be built. Mass concrete infill was cast to the rear of the wall. The Hinko site team used Acro Props to support the brickwork during this pouring operation. The mass concrete was taken up in 300mm lifts to ensure that too much pressure was not applied to the brickwork.

Once to footpath level the internal wall was built, this incorporated a cavity into the wall, which was later mass filled with concrete giving stability and strength to the wall.





As the wall was constructed scaffolding was used to one side for access and backfill to the opposite side, removing the requirement for any access.

Once the wall was to level new coping stones were bedded on the top of the wall capping it off.

Dowels were used to drill through and embed the copings to the top of the concrete infill wall, to reduce the chance of vandalism and damage to the wall's copers.

the brickwork was coated in anti-graffiti paint to allow ease of cleaning if the wall was vandalised.



Once complete the site was cleared and the footpath re-surfaced giving a high quality finished product.

The footpath was re-opened ready for the beginning of the school year.

Utilising its own in-house resource Hinko were able to deliver the project to the client's satisfaction in line with budgets and prescribed timescales.