

**Project Name:** Skipton Stone Setts Phase II

**Client:** North Yorkshire County Council

**Value:** £320,000

**Date:** May 2019 to March 2020

This project was awarded to Hinko Construction by North Yorkshire County Council as part of our Civil Engineering Framework in April 2019.

As part of the North Yorkshire County Council Highway improvement initiative, several streets local to Skipton City Centre were identified as requiring urgent remedial action.

Due to the heritage in the area the client wanted to re-use the existing stone setts. The overall area to reinstate the stone sets was in excess of 2100m<sup>2</sup>.

The works involved the removal of existing stone setts, clean and store for re-use then excavate a further 300mm in depth. The reconstruction was then made up of 150mm type 1 sub base rolled and compacted and a 150mm of ST3 concrete bed which the stone setts would be bedded into.



The key challenges of the project were the identification of shallow services, the Hinko teams undertook extensive service investigations works through, CAT Scanning, trial holes, and ground penetrating radar to gain an understanding of the services locations.

This allowed the management team to execute the work in line with Hinko's Permit to excavate system, leading to all exaction works being successfully executed with zero service strikes.

Once the area was excavated to formation, MoT Type 1 was used to regulate the sub-formation and was suitably compacted. This allowed concrete to be placed and screeded to level facilitating the re-embedding of the existing stone setts. Once the setts were bedded into the concrete all joints between the setts were filled with 10mm aggregate concrete which held the setts into position preventing them rocking.

Due to the proximity of privately owned housing, the Hinko site team had to work very closely with residents to ensure that access could be maintained to properties at all times. The Hinko site teams communicated with residents, daily on site, weekly at the public liaison meeting and monthly with North Yorkshire County Council's representation.

By keeping the public involved and gaining an understanding of what we were trying to achieve the public supported us while carrying out their works to improve their area.



Once the sets were bedded into position, they were finished off by using a high flow grout making the sets and concrete bedding material below fully integral.

Once complete tie-ins to existing roadways were undertaken giving a smooth transition between the new sets and the existing roads.

The works were completed on budget without incident, local residents regularly commented on the high quality product the Hinko teams had produced.