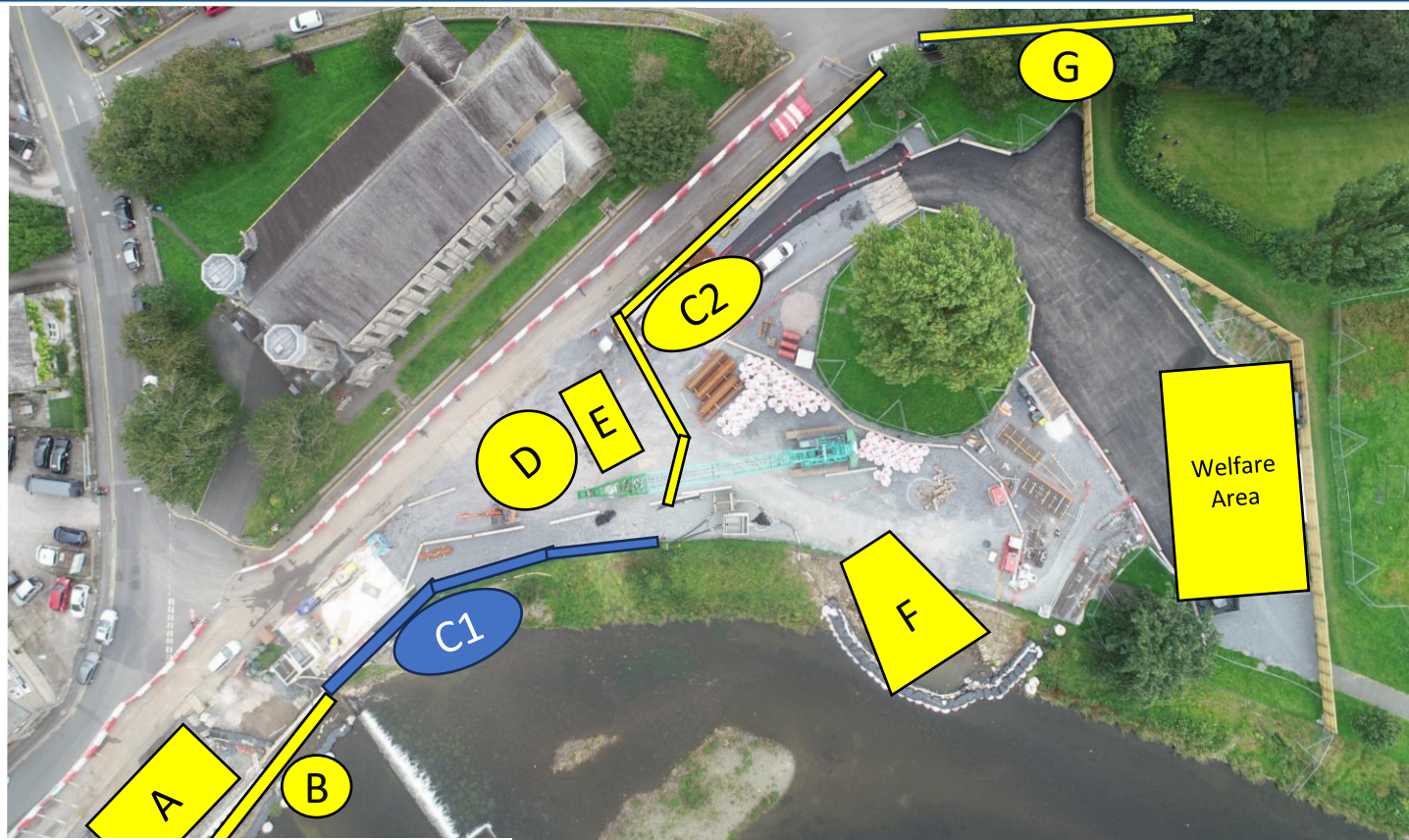


Kendal Flood Risk Management Scheme

Gooseholme Common progress as of 10th of February 2025



A – Motor Control Centre Building

95%

B – Glass Panel Flood Wall

COMPLETE

C1 – Flood Defence Wall

0%

C2 – Flood Defence Wall

50%

D – Wet Well Shaft

80%

E – Valve Chamber

80%

F – Outfall

35%

G – Kerbing Construction

COMPLETE

Overall completion -

70%

A – Motor Control Centre

Building (MCC)

This building will house all the electrical infrastructure that will power the stock beck pumps in flood conditions.

B – Glass panel flood wall

The glass panels will be partially uncovered with the remaining uncovered once the MCC building is completed

C1 & C2 – Flood wall construction

Constructed from a sheet pile foundation the concrete flood wall will be clad in local stone.

Overall completion tracker

70%

D – Wet Well Shaft

This is the underground structure which will house the pumps for stock beck designed to transfer water of Stock Beck from the Well to the Outfall (A).

E – Valve Chamber

This chamber will house the valves for the onward pumping of Stock Beck in flood conditions.

F – Outfall

The new Stock Beck outfall into the river Kent.

G – Kerbing

Kerbing is now complete in this location and forms part of our flood defence.

What's happening this week

Motor Control Centre Building (MCC) – Adjacent to the MCC building, landscaping has started to create the new walled fern garden. The base of the wall has been poured, and tree pits are being prepared so the trees can be placed in the coming weeks. As part of the landscaping, drainage will be installed along with the paving. In addition, the MCC building continues to have electrical installations which will power the Stock Beck underground pumps.

Wet Well – All work we can possibly conduct for the Wet Well has been completed, further works to the wet well won't begin until the sewer diversion is complete due to the proximity of these works.

Valve Chamber – Pressure testing of the system's pipes as well as the installation of the lid has now been completed. Further reinstatement around the valve chamber will continue following the completion of the sewer diversion.

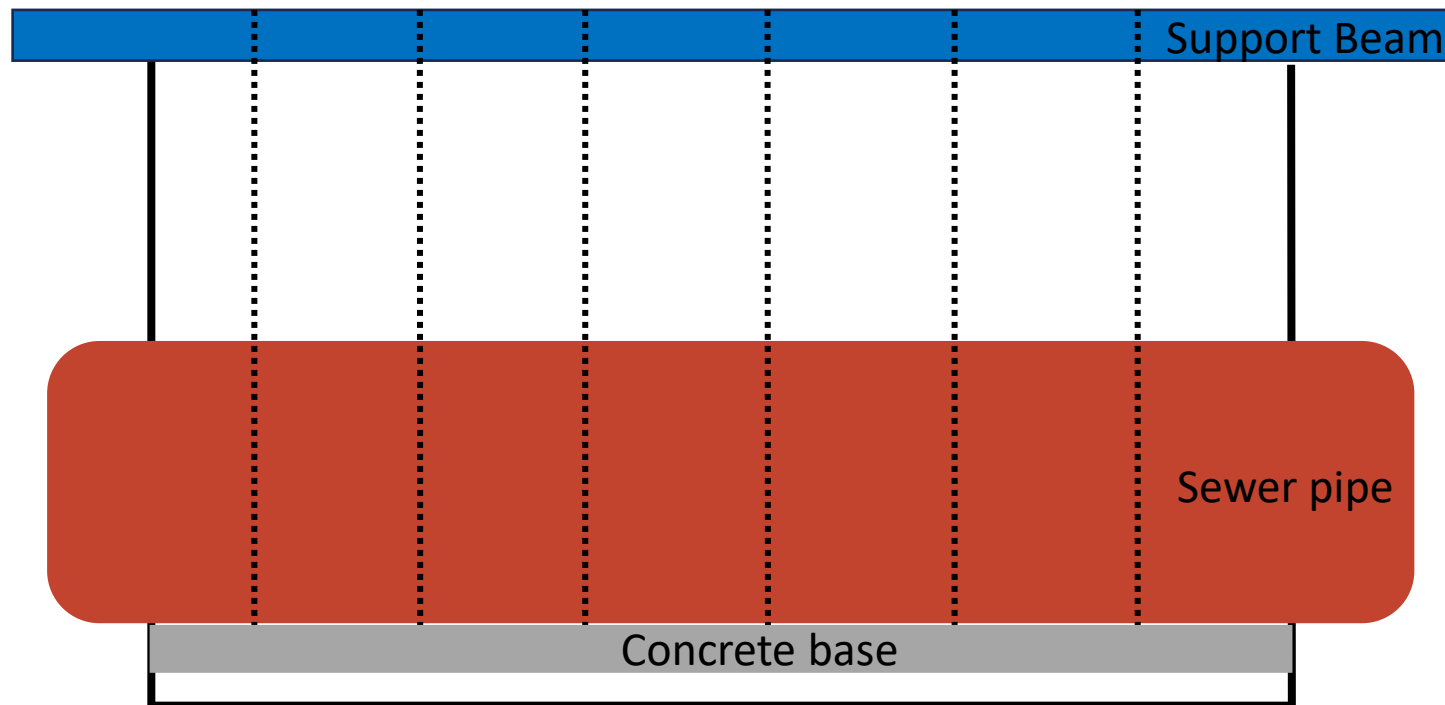
Flood Wall – A 21m stretch of flood wall is almost complete along St George's Walk. The next stage is for the wall to pass alongside the valve chamber once the area has been backfilled and reinstated.

Stock Beck Outfall – The base of the headwall has been poured and is now setting. Next week, the team will start constructing the supporting walls by installing rebar blocks and shutters to prepare for the concrete pour. This process will continue for several weeks as there are four walls to be constructed. Throughout this period, the cofferdam area will be pumped, removing groundwater to maintain a dry working environment for the team.

Water Treatment – Pumping activities at the Stock Beck outfall is critical to the scheme to keep all groundwater from entering the working area. The groundwater undergoes a thorough process to be cleaned and filtered before being returned to the river. Initially, water is pumped out of the excavation into settlement tanks, allowing silt to settle and be separated. The silt is regularly emptied and disposed of correctly. The water is then transferred to a soakaway area which lined. The water is pumped into Silt Socks (see image) for further filtration. This final stage ensures that the water released onto the riverside embankment is clean and suitable for release back into the River Kent.



Water Treatment Soakaway Area



Excavated area for installation of the new Manhole

Sewer Diversion – The Waitings team is making excellent progress on the sewer diversion following a particularly wet period. The piling works for the new manhole are complete, and the concrete base, which was scheduled for this week, was successfully installed last week. This base supports the pipe and serves as the foundation of the manhole.

The next stages will be for the Waitings team to remove the support beam that was stabilising the pipe while they gained access to install the base and prepare for the excavation between the manhole and the underpass chamber. On Monday and Tuesday, the team will begin excavating the area to create access to the underpass chamber for the connection installation.

Later in the week, the team will be installing shuttering, which is a temporary wooden mould used to shape poured concrete. Once the concrete has hardened, the shuttering will be removed. Concrete is scheduled to be poured next week.

Piling works – There is no piling works planned this week.

Saturday Working – No Saturday working will be taking place this week.

www.thefloodhub.co.uk/kendal

For more information on the Kendal flood scheme



VolkerStevin Engage

Our new project app allows you to keep up to date on the Kendal Flood Risk Management Scheme, view construction progress, images and provide feedback. Scan the QR code to download.

