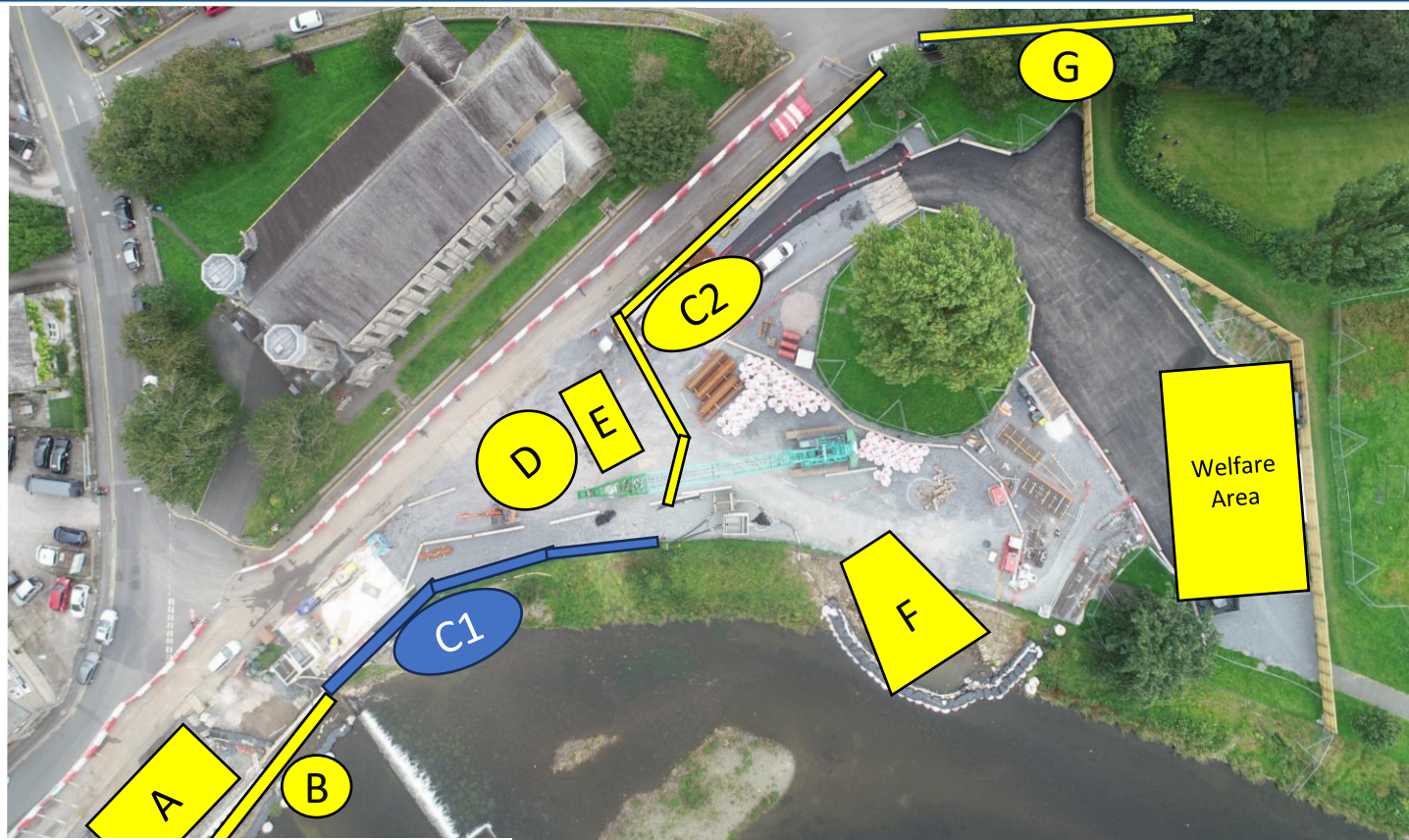


Kendal Flood Risk Management Scheme

Gooseholme Common progress as of 4th November 2024



A – Motor Control Centre Building

70%

B – Glass Panel Flood Wall

COMPLETE

C1 – Flood Defence Wall

0%

C2 – Flood Defence Wall

50%

D – Wet Well Shaft

80%

E – Valve Chamber

70%

F – Outfall

35%

G – Kerbing Construction

COMPLETE

Overall completion -

68%

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

68%

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) –The MCC building is now complete with all the scaffolding now removed. The interior of the building is complete, with the next stage to fit it out with the electrical equipment that will operate the underground pumps for Stock Beck. Shortly, a ramped access will be constructed creating the access to the building. The ramp is required to enable safe install of the electrical equipment and safer access due to the raised floor levels. The building has been designed to withstand floods up to a 1 in 1000 yr flood level.

Sewer Diversion – This week Waitings have managed to carry out the concrete pouring of the first wall for the underpass chamber with the second pour and lift starting early next week. End of the week the Waitings team will drop in the pipe in the new excavated area which will connect the sewer to the underpass chamber.

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

Valve Chamber – The installation of the Valve Chamber pipes has now been complete. The parts for the valve lid have now been installed. The Valve Chamber lid has been cast in concrete and are waiting for it to be at full strength before it can be lifted into place. Meanwhile pressure testing of the system will take place by specialists to ensure the pipes are connected to the required standard. Following pressure testing, the valve chamber lid will be installed, with the area being backfilled.

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 – Works have now started which is focussed around the excavation and construction of the base of the outfall. We are working to complete this phase of work by the end of November. The next stage will be to build the outfall walls.

Working Hours – Waitings will be on site this Saturday (2nd November), they will be preparing the underpass area as part of the sewer diversion works ready for the second pour of the concrete due next week.

Piling works –There are no Piling works scheduled 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.



Jacobs



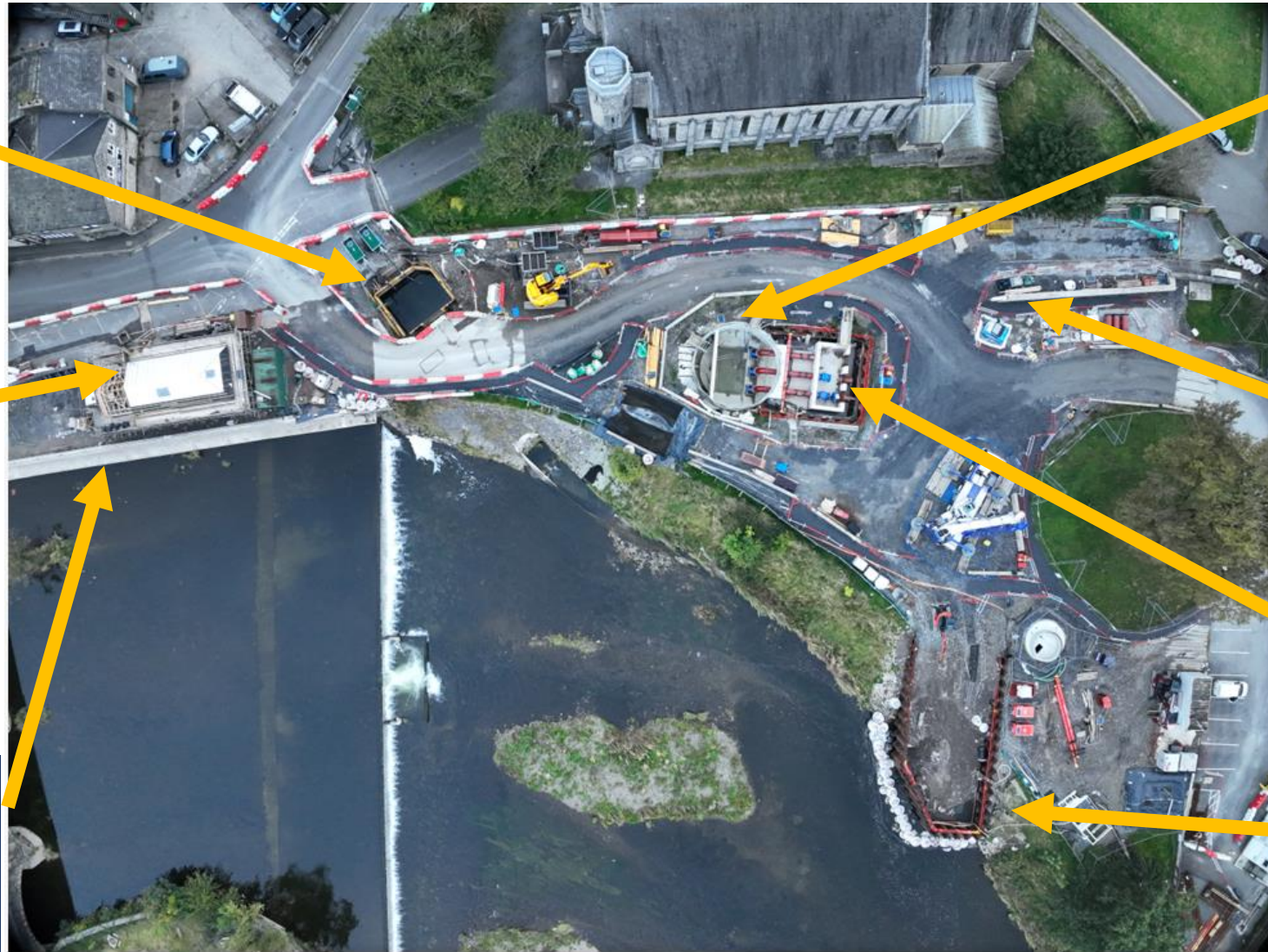
Kendal Flood Risk Management Scheme – Gooseholme construction aerial photograph October 2024

This aerial photograph of Gooseholme shows the areas of construction currently taking place. The majority of the construction activity is focussed underground as complex works continue to construct the underground pumping infrastructure for Stock Beck.

Sewer Diversion – The sewer diversion will pass under Stock Beck culvert in this location. These are complex works due to the interaction with the existing Stock Beck culvert and groundwater in this location.

Motor Control Centre Building – This building will house all of the electrical equipment needed to operate Stock Beck underground pumps. The building has been designed to blend into the local area using local stone to replicate building features and slate roof tiles.

Glass topped flood wall – This is now complete. We will be starting to landscape the area in this location once the Motor Control Centre Building is complete



Wet Well – Construction of the underground shaft which will house 3 pumps. In storm conditions these pumps will activate and pump flood water from Stock Beck into the Kent.

Floodwall along St Georges walk - Construction has started but has paused until the Wet Well works and Valve Chamber are complete. This wall will tie into the glass topped flood wall.

Valve chamber – Installation of the pipe valves that will aid the pumping of Stock Beck into the Kent in storm conditions.

Stock Beck Outfall – Constructing the new outfall of Stock Beck which will improve pumping conveyance in flood conditions.