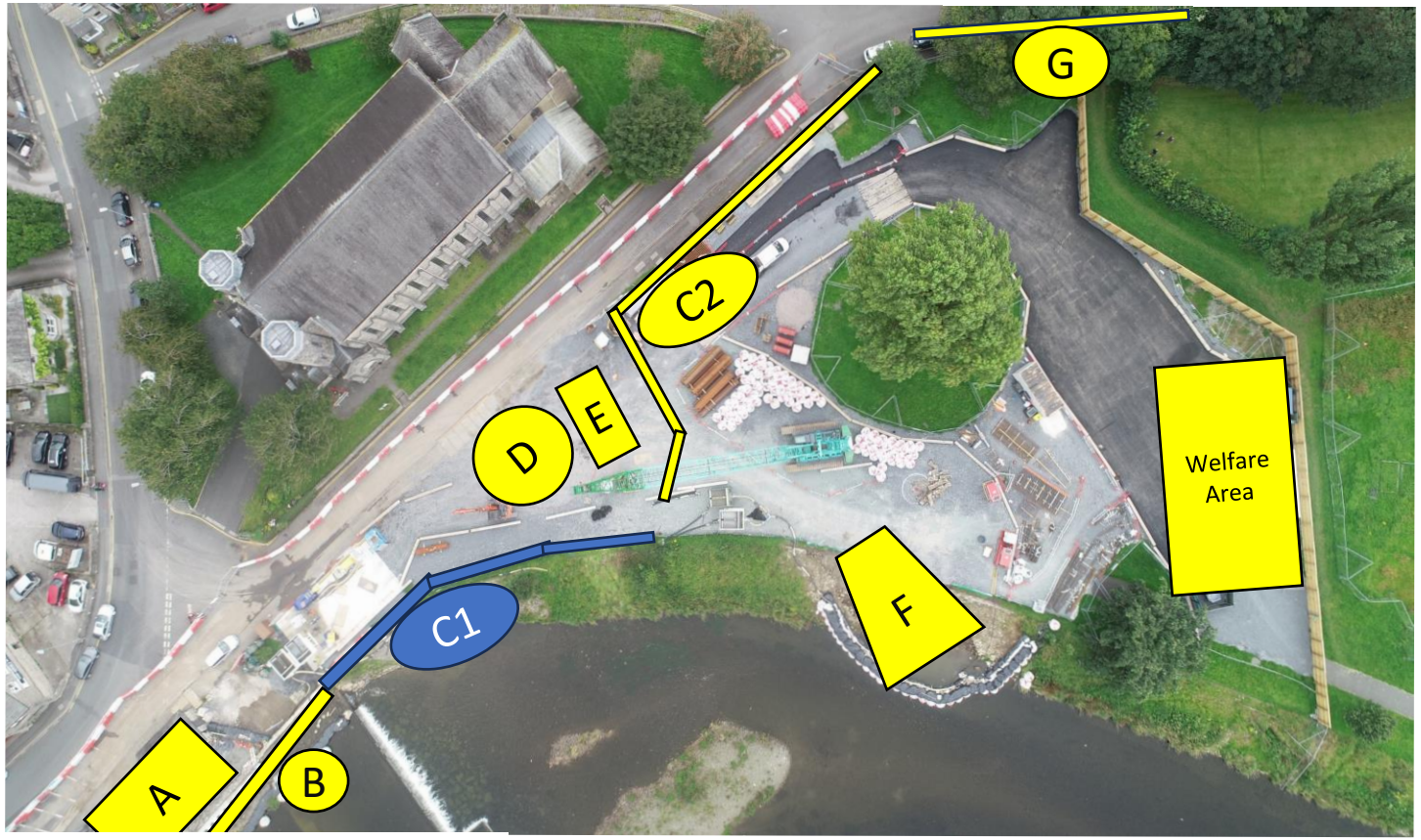
Kendal Flood Risk Management Scheme

Gooseholme Common progress as of 28th October 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%

Kendal Flood Risk Management Scheme

Gooseholme Common Key

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.

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.

Overall completion tracker

European Union
European Regional Development Fund
NORTHERN POWERHOUSE
Environment Agency
Jacobs
wsp
VBA
VolkerStevin
Boskalis Westminster
ATKINS

Kendal Flood Risk Management Scheme – Gooseholme Common update for week of 28th October 2024

What's happening this week

Motor Control Centre Building (MCC) –The roof of the MCC building is now complete with all the scaffolding now removed. The interior of the building is almost 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 – Due to the recent weather conditions, Waitings have not been able to complete the concrete pouring of the underpass chamber walls due to the river and groundwater levels being high. This has meant the pumps have been struggling to disperse the water out into the Kent as effectively as hoped with the team focussing their efforts on reducing the water levels in the excavation area as much as they can. This week, with better weather forecast, the team are looking to continue with the pouring of the concrete walls for 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. This week parts of the valve lid are being attached and installed in preparation for the valve chamber lid installation. Once complete, 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 – Following the successful sealing the cofferdam to create a dry area, works will begin to excavate and construct the base at the end of October.

Working Hours – This Saturday (26th October) Waitings will be on site for a short period to cut down the height of the piles located in the base of underpass chamber, this will require a steel saw to cut them to size, we have requested Waitings do not start cutting before 9am as this is a noisy activity, this will not last longer than 3 hours.

Piling works - Next week on Thursday and Friday, piling works are expected to take place in the vicinity of the sewer diversion works where Waitings are currently working by the MCC building. The piling works will create a dry space area next to the underpass chamber to allow Waiting's to lower in a pipe that will connect the sewer to the underpass chamber, once the walls have been poured.

www.thefloodhub.co.uk/kendal

For more information on the Kendal flood scheme

THE FLOOD HUB

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.

VolkerStevin Engage

European Union
European Regional Development Fund

NORTHERN POWERHOUSE HM Government

Environment Agency

Jacobs

wsp

VBA
VolkerStevin Boskalis Westminster ATKINS

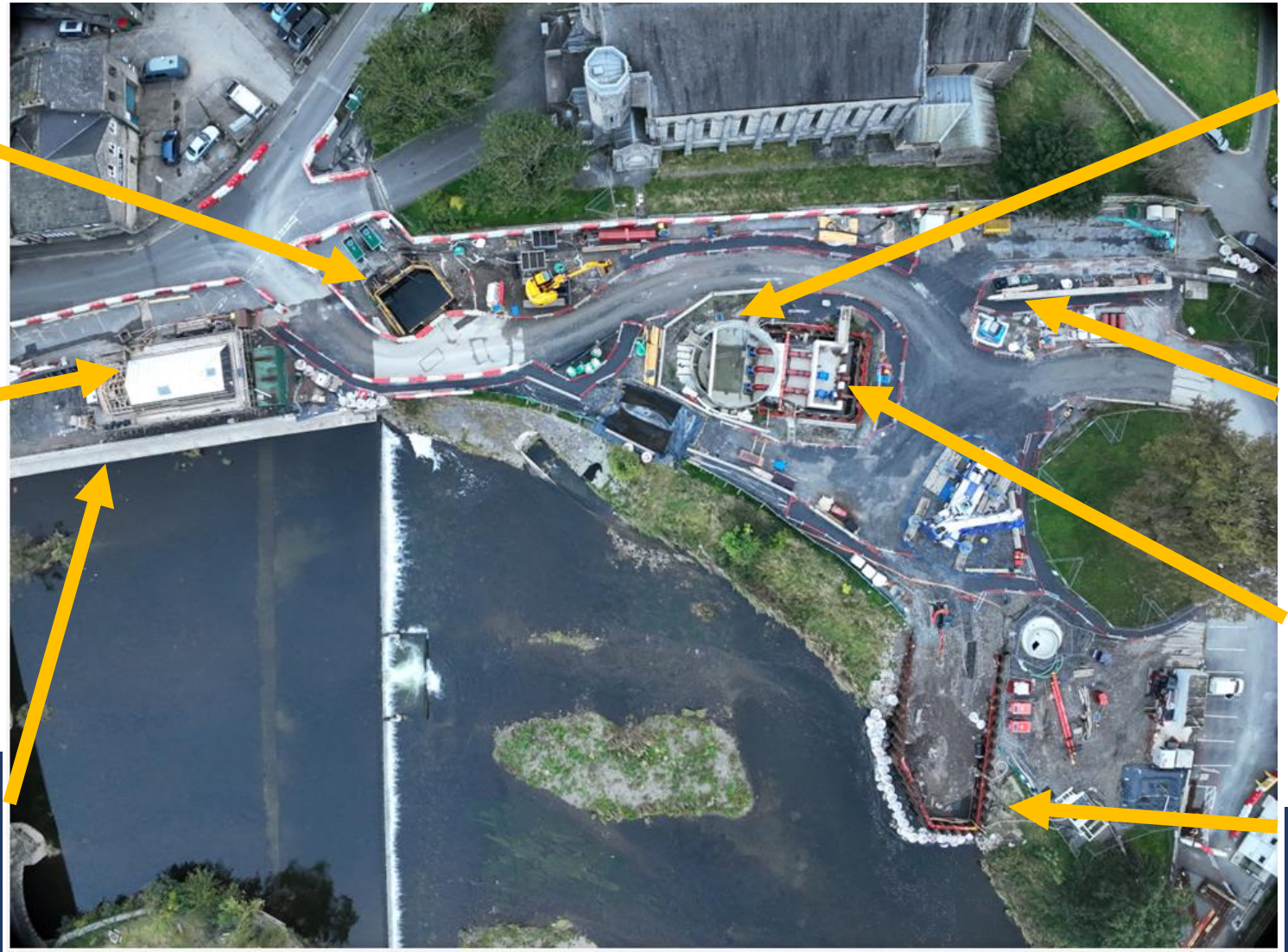
Kendal Flood Risk Management Scheme – Gooseholme construction aerial photograph October 2024

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.