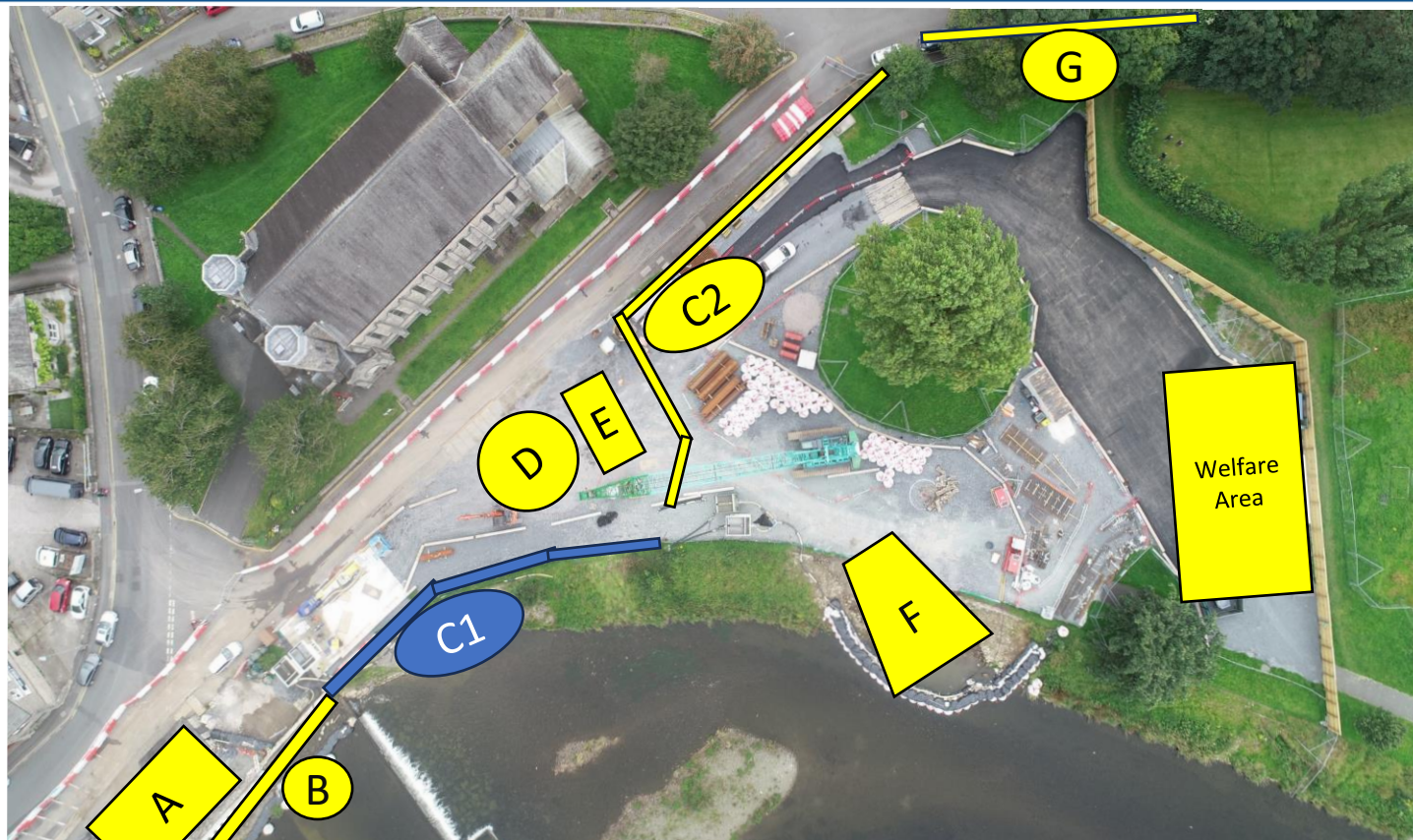


# Kendal Flood Risk Management Scheme

Gooseholme Common progress as of 26<sup>th</sup> August 2024



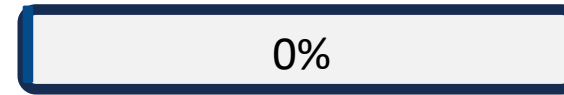
A – Motor Control Centre Building



B – Glass Panel Flood Wall



C1 – Flood Defence Wall



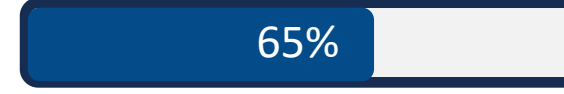
C2 – Flood Defence Wall



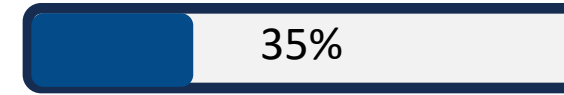
D – Wet Well Shaft



E – Valve Chamber



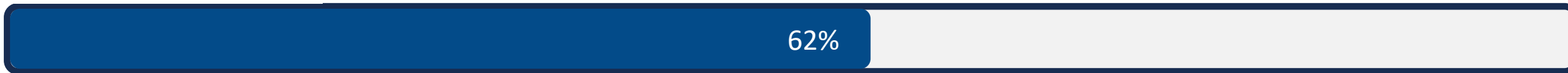
F – Outfall



G – Kerbing Construction



Overall completion -



62%

### 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

62%

## What's happening this week

**Motor Control Building** – This week the masonry team will be on site to finish of the remaining stonework before the delivery of the roof trusses. This is to be delivered week commencing 2<sup>nd</sup> September. Once the trusses have been lifted into place. It is anticipated that the roof including tiling will be complete by the end of September with landscaping to follow soon after.

**Sewer Diversion** – Waitings our Sub-Contractor are currently working on the Underpass Chamber. This section is more complex as it includes the removal of a section of Stock Beck culvert with a pumping arrangement in place to manage Stock Beck flows whilst a section is removed. Once the section of Stock Beck culvert is removed, the new sewer chamber will be cast underneath the existing Stock Beck culvert, and once in place, the stock beck culvert section will be put back and pumping will cease. This work is focussed in the Castle Street area adjacent to St George's Church entrance.

**Wet Well** – The majority of the wet well structure is now complete. This is a 4.5m deep X 9m wide shaft that once complete will take water from Stock Beck in storm conditions. Pump housing has been installed and positioned into the wet well. This is where the pumps will be attached to feed the water out of the well and through into the valve chamber, connected by ductile iron pipes. This week piping work continues between the wet well and the valve chamber.

**Valve Chamber** – Pipe work has taken place using ductile iron pipe and has been situated in the openings of the valve chamber awaiting the connections from the wet well piping. This will take place over a few weeks moving them and installing them into position. Piping has also been installed on the exit of the chamber where it will carry water out to the outfall on the river Kent. Piping work will continue this week between the valve chamber and the wet well.

**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 our temporary works removed, we can the progress with the wall.

**Outfall** – This week we are sealing the sheet piled cofferdam on the edge of the river Kent. This will create a dry area so the construction of the outfall can begin during the in-river working window. **Piling works** will take place over the course of 2 weeks to help re-seal the cofferdam creating a new sheet piled area to then remove the old sheet piled line that was leaking. From Wednesday 28<sup>th</sup> **over pumping arrangements** will commence to manage the water while it is being sealed. This will be active all hours of the day and week; works are programmed to be finished by the end of week commencing 16<sup>th</sup> September.



# Kendal Flood Risk Management Scheme – Gooseholme Common update for week of 26<sup>th</sup> August 2024



Motor Control Centre Building – Housing for all the electrical equipment for the Stock Beck pumps



Sewer Diversion – Sheet piled area for the underpass chamber once Stock beck culvert is removed



Floodwall along St Georges walk in Construction



Outfall – The new outfall of Stock Beck into the River Kent.



Valve chamber – Holding the pipe valves that pump Stock Beck onwards to the outfall



Wet Well Shaft – Underground housing of the pumps for Stock Beck