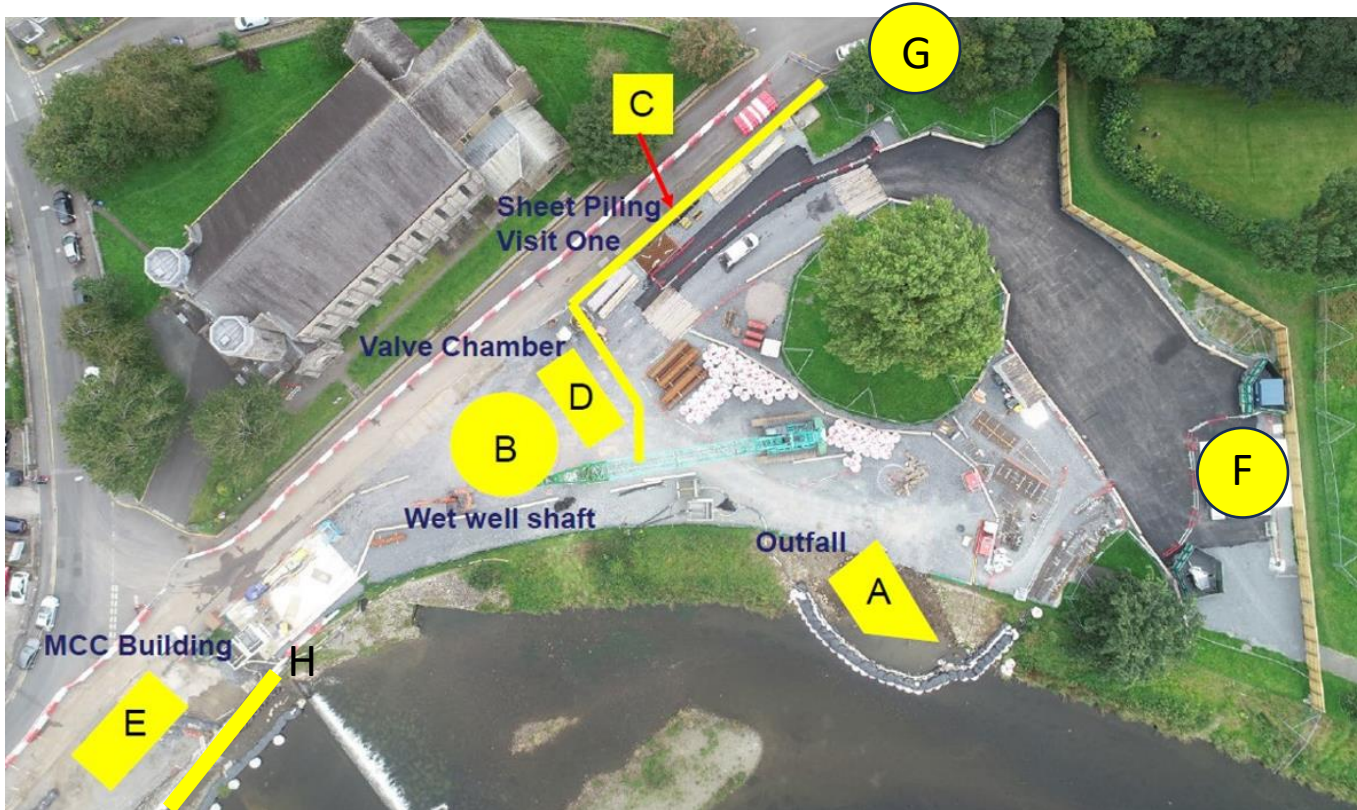


# Kendal Flood Risk Management Scheme

Gooseholme Common progress as of 22<sup>nd</sup> July 2024



A – Outfall

35%

B – Wet well shaft

80%

C – Flood Wall

35%

D – Valve Chamber

65%

E – Motor Control Centre Building

60%

F – ENWL Cabin electricity connection

COMPLETE

G – Kerbing construction

COMPLETE

H – Glass panel flood wall

COMPLETE

Overall completion -

78%



European Union  
European Regional  
Development Fund



Jacobs



### A – Outfall

The new Stock Beck outfall into the river Kent.

### B – 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).

### C – Flood wall construction

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

### D – Valve Chamber

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

### E – Motor Control Centre Building (MCC)

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

### F – Staff welfare cabins

On site accommodation for our staff working in this area.

### G – Kerbing

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

### H – Glass panel flood wall

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

### Overall completion tracker

78%



## What's happening this week

- **Motor Control Building** – The stone cladding is well underway, and we will shortly raise the scaffolding to roof height to enable the roof trusses to be lifted and secured in place. It is anticipated that the roof including tiling will be complete by mid-August.
- **Sewer Diversion** – Waitings our Contractor's have started to insert steel piles and excavate the next area of the sewer diversion. This section is more complex as it includes excavation under the existing Stock Beck culvert in the location of Castle Street. There is a pre-prepared location for pumps in front of St George's Church on Castle Street which will house the pumping equipment. Pumping may be a requirement to manage groundwater and water seeping from Stock Beck culvert during these works.
- **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. The frame as seen in the picture is in place to support the structure of the wet well ring as we have penetrated the structure to allow the connection of the pump pipes. We are currently awaiting our delivery for the pipes, which will connect the pipes being installed into the valve chamber.
- **Valve Chamber** –The valve chamber construction is currently progressing to programme. Over the next 2 weeks we will be moving and installing the pipes into the valve chamber and finishing this area off while we await the pipes for the Wet Well so they can be connected.
- **Flood Wall** – A 21m stretch of flood wall is almost complete along St George's Walk.



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



Sewer Diversion – sheet piled dry working area with new sewer pipe



Floodwall along St Georges walk in Construction



## What's Happening This Week

- **Emergency Access Gate** – We recognise recently that this gate has been used more frequently by our site vehicles and this was due to access restrictions at our entrance gate adjacent to St George's Walk because of the sewer diversion works. We have since reallocated equipment and working areas on site to enable vehicle access onto site through the usual access gate, returning the use of the emergency access gate for emergencies only.
- **Piling** - Piling activities will be required as part of the sewer diversion as sheet piles will need to be pushed into the ground to create a cut off so a safe and dry underground working area can be created. Piling activities have now begun and will continue until early this week. Noise and vibration monitors will be in place for the duration to ensure our work remains in agreed tolerance.
- **Stock Beck Outfall** – This week we are beginning works on the new Stock Beck outfall to seal up the cofferdam. The cofferdam needs to be sealed at bed level of the River Kent to create a dry working area. We will be installing marine bulk bags around the base of the cofferdam and pump excess water from within for the sealing activity to take place.
- **Working Hours** - On **Saturday the 3<sup>rd</sup> of August** we will require a smaller crane to come onto site to place the marine bulk bags around the base of the Cofferdam. We understand that this is not part of our current regular arrangements of onsite working, but we need to undertake this activity whilst other contractors are not on site due to access and space restrictions. We anticipate very little disruption from these works.



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



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



Emergency Access Gate – only to be used in an emergency