Improving Places Select Commission
27th January 2026

Update on:
The Council's Flood Risk Management works across the borough & the Priority Flood Alleviation Scheme Projects

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Part A: Overview of ongoing flood risk management works across the borough

- Recent Flood Events
- Community Engagement (Catcliffe and Treeton)
- Projects Delivered
- Planned Works
- Property Flood Resilience
- Connected By Water
- Internship
- Road Gully Maintenance
- CCTV

Recent Flood Events

The Council was made aware of an increased flood risk as a result of Storm Claudia.

The drainage team

- Deployed pumps to manage surface water at Catcliffe
- Council set up tactical management meetings throughout the day.
- Other Council services were on standby to respond should the event become more severe.

- 81 Reports of Flooding
- River Don Peak reached 1.74m - 800mm below flood level.
- River Rother Peak reached 29.35m - 650mm below flood level.

Community Engagement (Catcliffe and Treeton)

In the wake of the devastating flooding caused by Storm Babet, The Council engaged with local residents and businesses to provide support.

This included drafting a community flood plan. The installation of Property Flood Resilience and the distribution of hydrosacks (sandbag equivalent) and grab bags.

Projects Delivered
Dale Hill Close, Maltby

- The site is located within a large residential area of Maltby and is at the lowest point in the area, subsequently it has a history of surface water flooding.

- The existing Severn Trent surface water sewer which collects the rainwater from the Highway became overloaded during periods of heavy rainfall, causing the gullies to back up, resulting in severe flooding to the bungalows on Dale Hill Close.

Projects Delivered

Dale Hill Close, Maltby

A new separate Highway drain, together with additional gullies, was designed to be laid in Dale Hill Road.

The works were undertaken by the Council's Drainage Delivery Team and commenced on the 16th June and took approx. 8 weeks to complete.

Projects Delivered

Waleswood Camp Site, Rother Valley

A large area of the existing Waleswood camp site is susceptible to flooding making these areas unusable for customers.

A scheme has been delivered to manage the surface water which includes 2000m of 150mm diameter perforated pipework set in a herringbone formation.

Backfilled with clean stone to allow water to infiltrated down to the pipework. Reducing the risk of the ground becoming waterlogged.

Projects Delivered

Waleswood Camp Site, Rother Valley: Drone Footage

Projects Delivered

New Road, Firbeck

Flooding from the fields has occurred regularly in Firbeck, affecting several properties.

A scheme was designed to install additional drainage and create a bund (an earth embankment) to prevent the overland flows from the field onto the Public Highway

Projects Delivered
New Road, Firbeck

Works continued onto third party land and a connection was made into the existing drainage system within Firbeck Halls' land.

The new drainage system and bunding holds water within the field and reduces the risk to properties in Firbeck

Planned Works

The Council Drainage Delivery Team will carry out works identified on this indicative list of proposed drainage schemes, funded by Council Capital awarded in 24/25.

Rockingham Road, Swinton - Proposed new Highway Drain. To reduce residential property and carriageway flooding.

Main Street, Aughton - Proposed Highway Drain renewal to reduce the risk of flooding to residential properties and highway flooding.

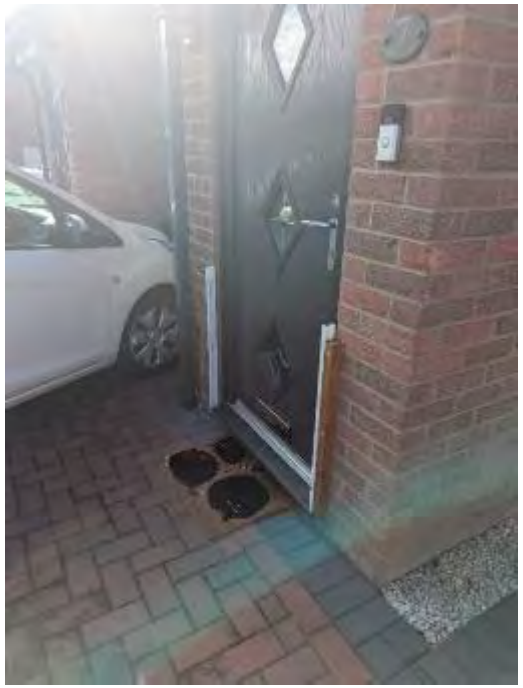
Meadow Bank Road, Meadow Bank - Proposed Highway Drain renewal to reduce the risk of flooding to highway flooding.

Recreation Road, Wath - Scheme to construct bunding to perimeter of Brook Dyke and install one-way valves on gullies/manholes in order to contain flood water.

Property Flood Resilience

Property flood resilience measures have been installed following Storm Babet to properties across the Borough that were affected by internal flooding.

- Council Properties - 35,
- Private Properties - 48,
- Reimbursed, work carried out by homeowner – 8.



DEFRA provided £5,000 per property, for all those that suffered internal flooding. The cost of works far exceeded the DEFRA grant allowance and the Council supported the scheme financially to ensure the works were fully funded.

Connected By Water

Background

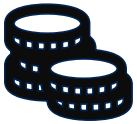
- The flooding in 2019 provided the catalyst for the formation of Connected by Water and the first action plan. Now developing an Integrated Flood and Water Management Plan.
- An alliance of seven partners
- Working together to protect homes and businesses from flooding
- Recognising the value of effective flood and water management for economic growth
- Supporting communities to become more resilient

Activity in 2025 includes

Connected by Water intern scheme – pilot led by RMBC

Awareness raising – business facing video commissioned and launched at UKREiiF

Highways Maintenance activity relating to water management group for South Yorkshire established



Combined sewer overflow programme – Yorkshire Water early engagement with all SY local authorities

Mapping of priority projects for South Yorkshire against revised 2025 risk data

Connected By Water
Internship

The aim of the internships consisted of:

- Upskill 4 interns in flood resilience and risk management whilst demonstrating the value and varied scope of a career in flood resilience
- The interns designed a full highway drainage scheme to reduce the risk of flooding to the network in Swinton.
- The internship was created to help design a 2-year graduate scheme that will start in the summer of 2026.

Connected by Water

Connected By Water
Internship

- The Internships were managed by Rotherham Council and allowed these university undergraduates to gain experience across the partnership. This initiative will be supported to increase opportunities for university graduates to join flood risk industry.

Road Gully Maintenance

The Drainage Team have mapped 48,752 road gullies across the Borough. This will allow the introduction of a dashboard which will be publicly accessible through the Council's webpage that indicates the on-going maintenance of the highway drainage system.

The Council's new Highway Asset Managment System, (Aurora) is scheduled to go live in March 2026. This upgrade will enhance the management of all drainage assets and significantly improve the team’s ability to respond to enquiries efficiently and effectively.

Drainage Team and Vehicles

Introduction of CCTV Cameras to monitor flooding hotspots

- CCTV cameras have been installed in 10 locations to monitor areas at frequent risk of flooding. The introduction of the CCTV Cameras will support the Drainage Team with real-time updates, helping them act quickly during flood risks and future planning.

Treeton Lane, Catcliffe / Treeton - Flooding within Storm Claudia

Part B: Progress Update on the Priority Flood Alleviation Scheme (FAS) Projects

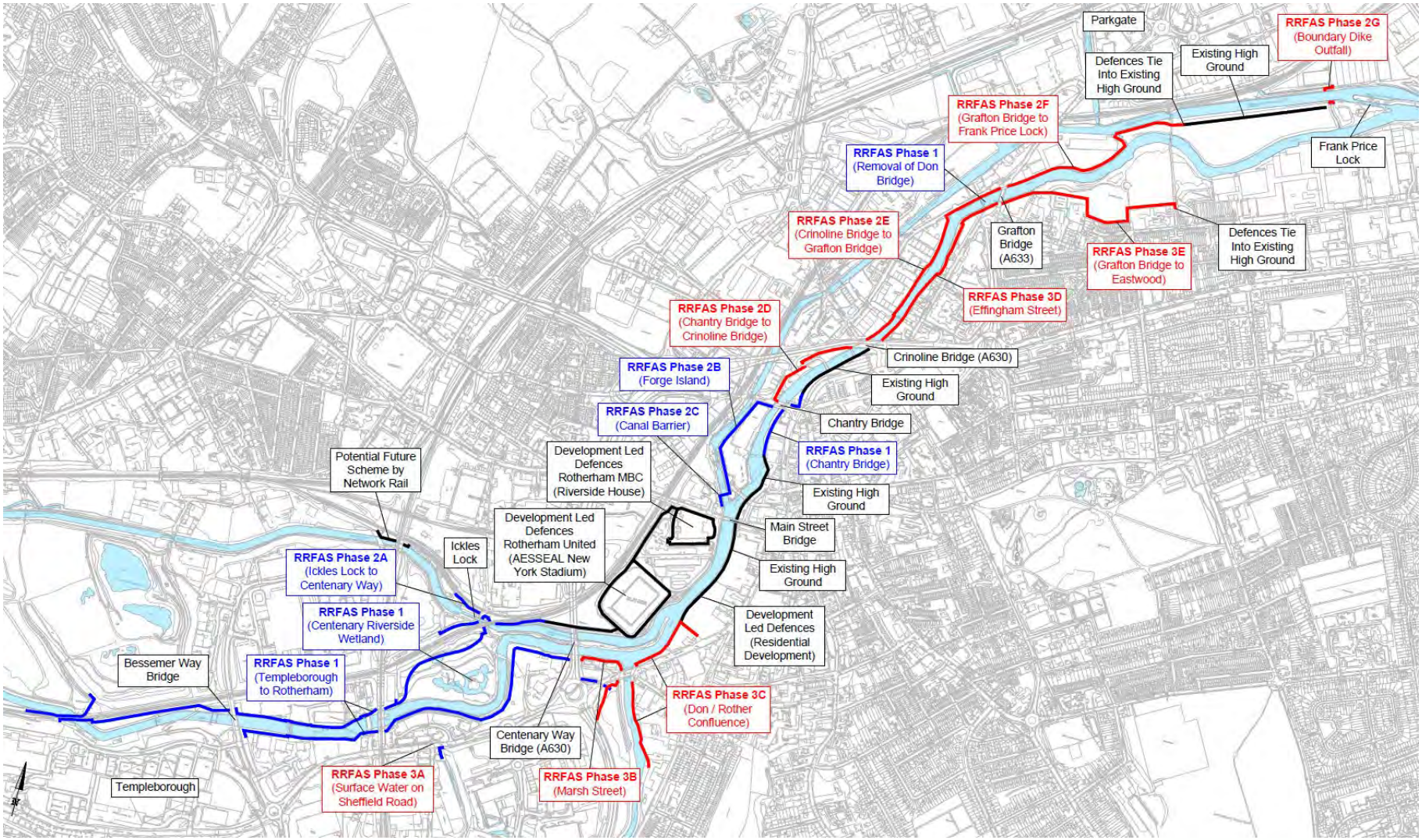
The Council are currently progressing Flood Alleviation Schemes (FAS) to help reduce the risk of flooding to homes, businesses and infrastructure around the borough. They consist of:

1. **Culverts Renewal Programme** (to improve existing culverts to reduce the risk of flooding)
2. **Rotherham Renaissance Flood Alleviation Scheme** (alleviating flooding from the River Don to Rotherham Town Centre, Parkgate and Kilnhurst)
3. **Parkgate & Rawmarsh Flood Alleviation Scheme** (reducing the risk of flooding from watercourses through Rawmarsh and Parkgate)
4. **Eel Mires Dike Flood Alleviation Scheme** (to reduce the risk of flooding from watercourses in Laughton Common)
5. **Catcliffe Pumping Station** (to replace the Council's portable surface water pumping operation in Catcliffe)
6. **Catcliffe & Treeton Flood Alleviation Scheme – Treeton Lane Bridge** (to improve conveyance of the river by replacing the bridge with one with a slimmer bridge deck)
7. **Whiston Brook Flood Alleviation Scheme** (to alleviate flooding from Whiston Brook and surface water in Whiston)

1. Culvert Renewal Programme

Name	Address	Ward
Herringthorpe Valley culvert	Herringthorpe Valley Road, Herringthorpe	Sitwell Ward
River Mas culvert	Wortley Road, Kimberworth	Rotherham West Ward
Church Lane culvert	Church Lane, Ravenfield	Bramley & Ravenfield Ward
Moor Lane South culvert	Moor Lane South, Ravenfield	Bramley & Ravenfield Ward
Ickles Goit culvert	Off Fullerton Road, Templeborough	Boston Castle Ward
Chapel Flat Dyke culvert	Sheffield Road, Templeborough	Boston Castle Ward
Thorpe Hesley culvert	Brook Hill, Thorpe Hesley	Keppel Ward
Sough Hall Avenue culvert	Sough Hall Avenue, Thorpe Hesley	Keppel Ward
Todwick culvert	Goosecarr Lane, Todwick	Aston & Todwick Ward
Bondhay Dyke	Common Road, Thorpe Salvin	Anston & Woodsetts Ward
Collier Brook	Kilnhurst Road, Kilnhurst	Rawmarsh East

2. Rotherham Renaissance FAS



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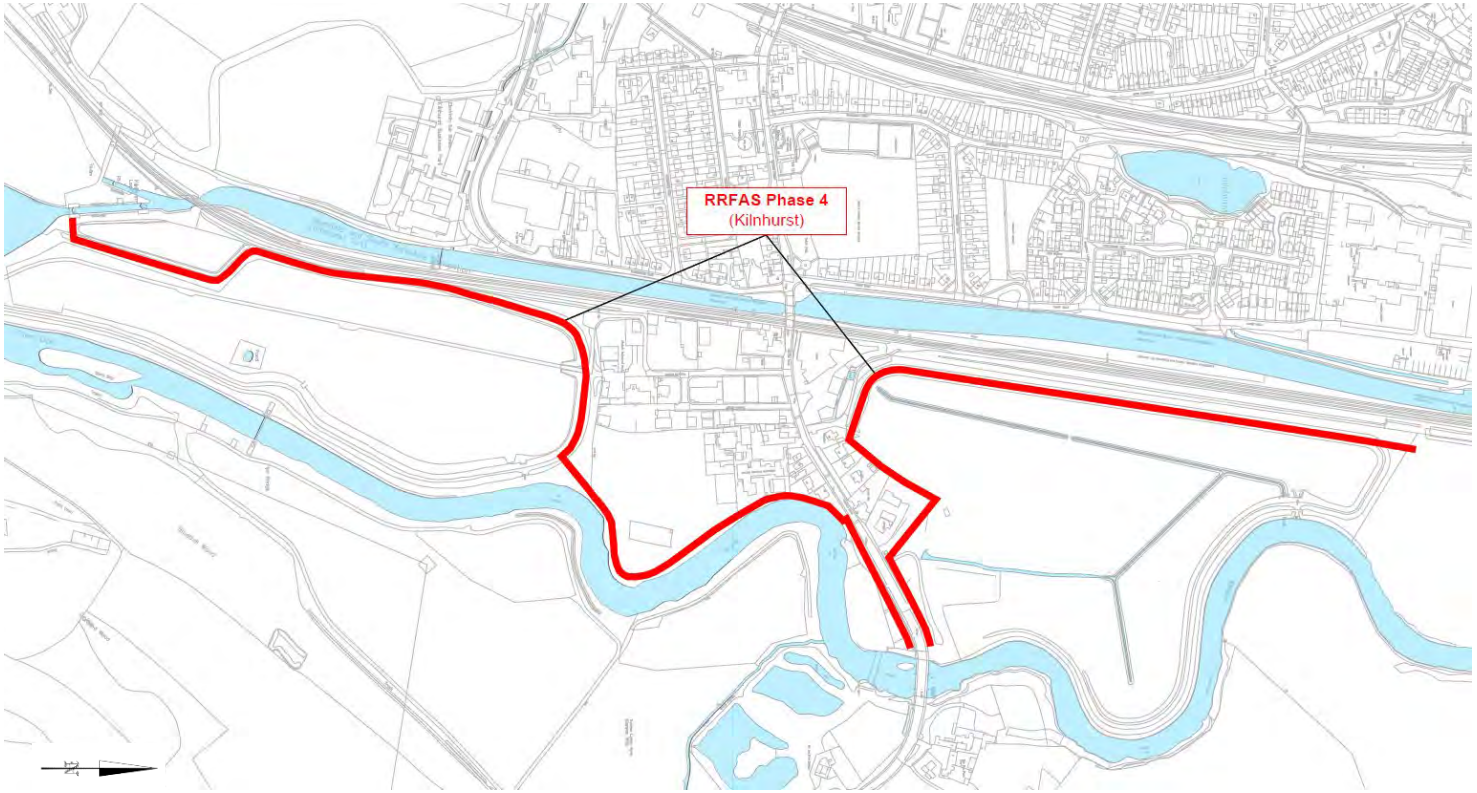
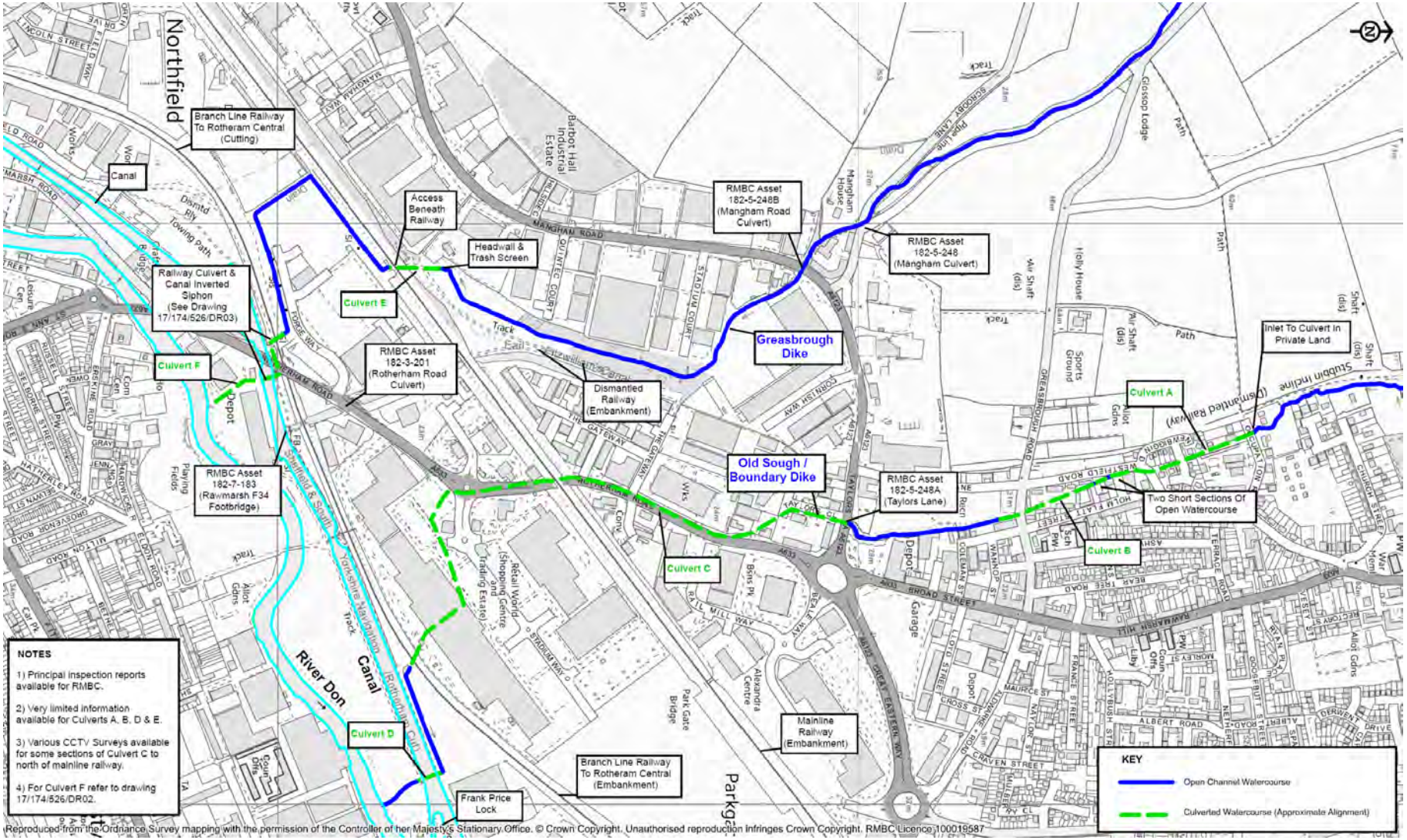


The design is currently with the Environment Agency for approval. Works will include sheet piling and reinfored concrete walls and raising and creating new earth embankment.

2. Rotherham Renaissance FAS

Concept rendering of the scheme at Kilnhurst

3. Parkgate & Rawmarsh FAS

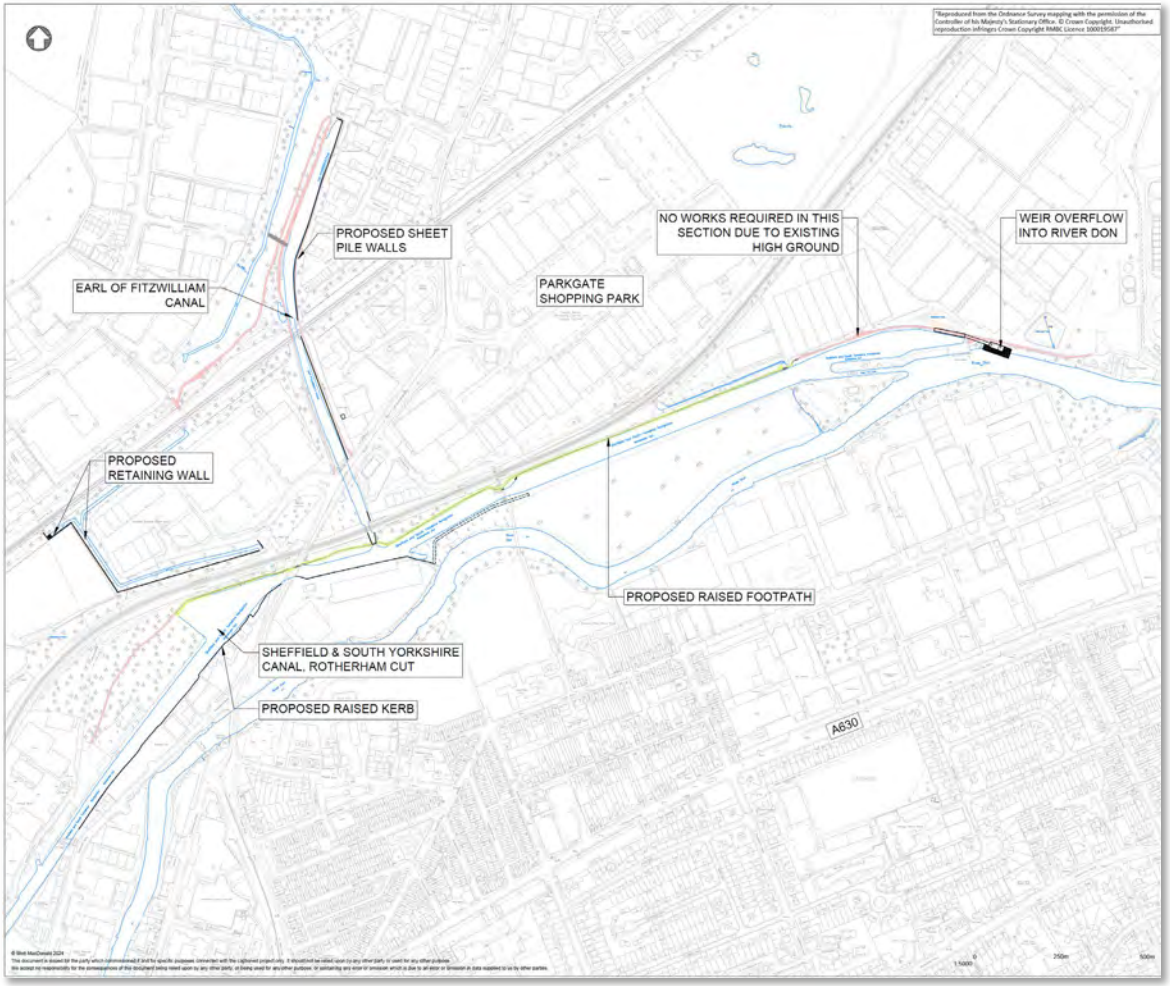


3. Parkgate & Rawmarsh FAS

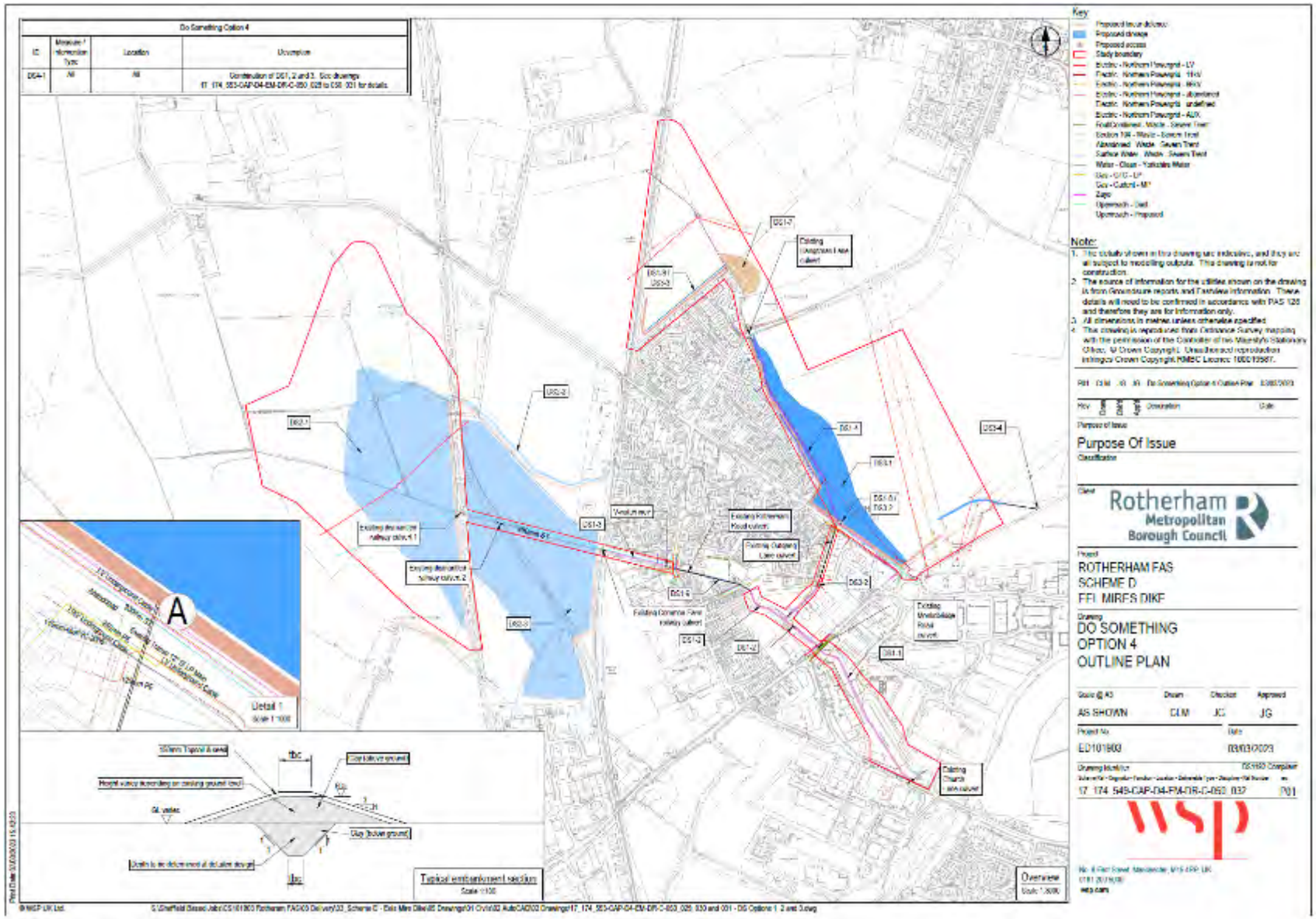
Outline designs have been completed, and detailed design is being undertaken. Once complete, part of the downstream works will be constructed by Network Rail using their own funding.

Aspects being considered for construction with available funding include:

- Linear flood defences (flood walls)
- Non-return valves
- Overspill weir from the canal.
- Localised raising of chambers.



4. Eel Mires Dike FAS



4. Eel Mires Dike FAS

The works include the construction of:

- 2 large flood storage areas including flow controls.
- Improved conveyance of the watercourse downstream.
- Siltation removing
- Day-lighting of culverts
- Creating 2 tier open watercourse.

Concept rendering of the scheme at Laughton Common

5. Catcliffe Pumping Station

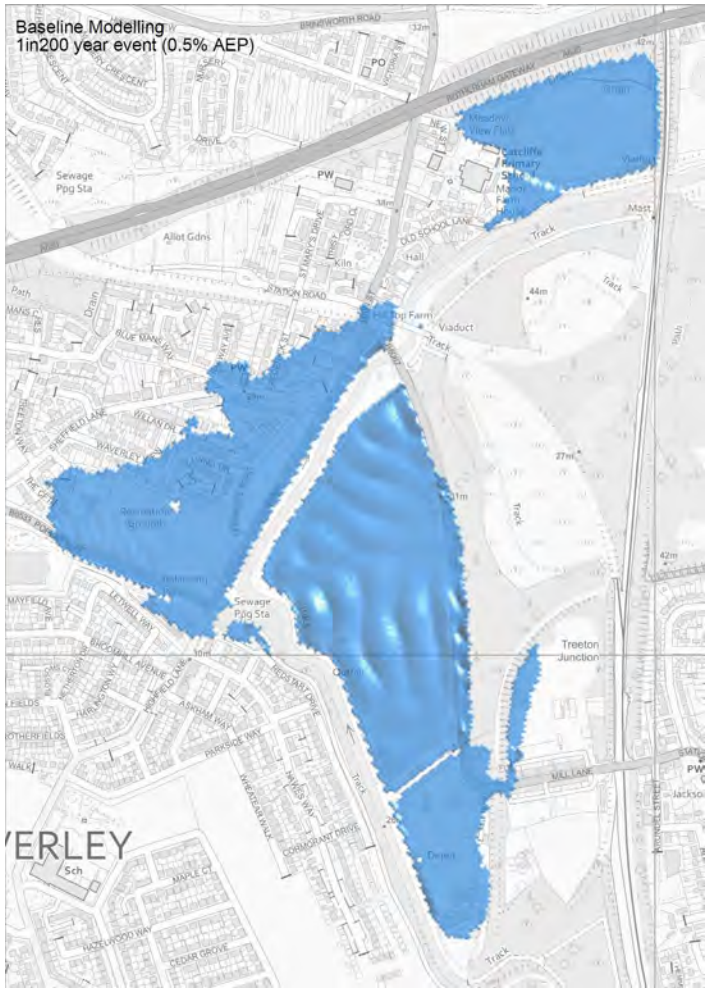
Concept rendering of the scheme at Catcliffe

6. Catcliffe and Treeton Bridge Replacement

Hydraulic Modelling (before and after bridge replacement)

The current flood defences currently overtop in storm events greater than a 1in75 year (1.3% AEP) storm event.

In a 1in200 year (0.5% AEP) storm event, the bridge replacement reduces flood risk to 167 residential properties and 14 non-residential properties.

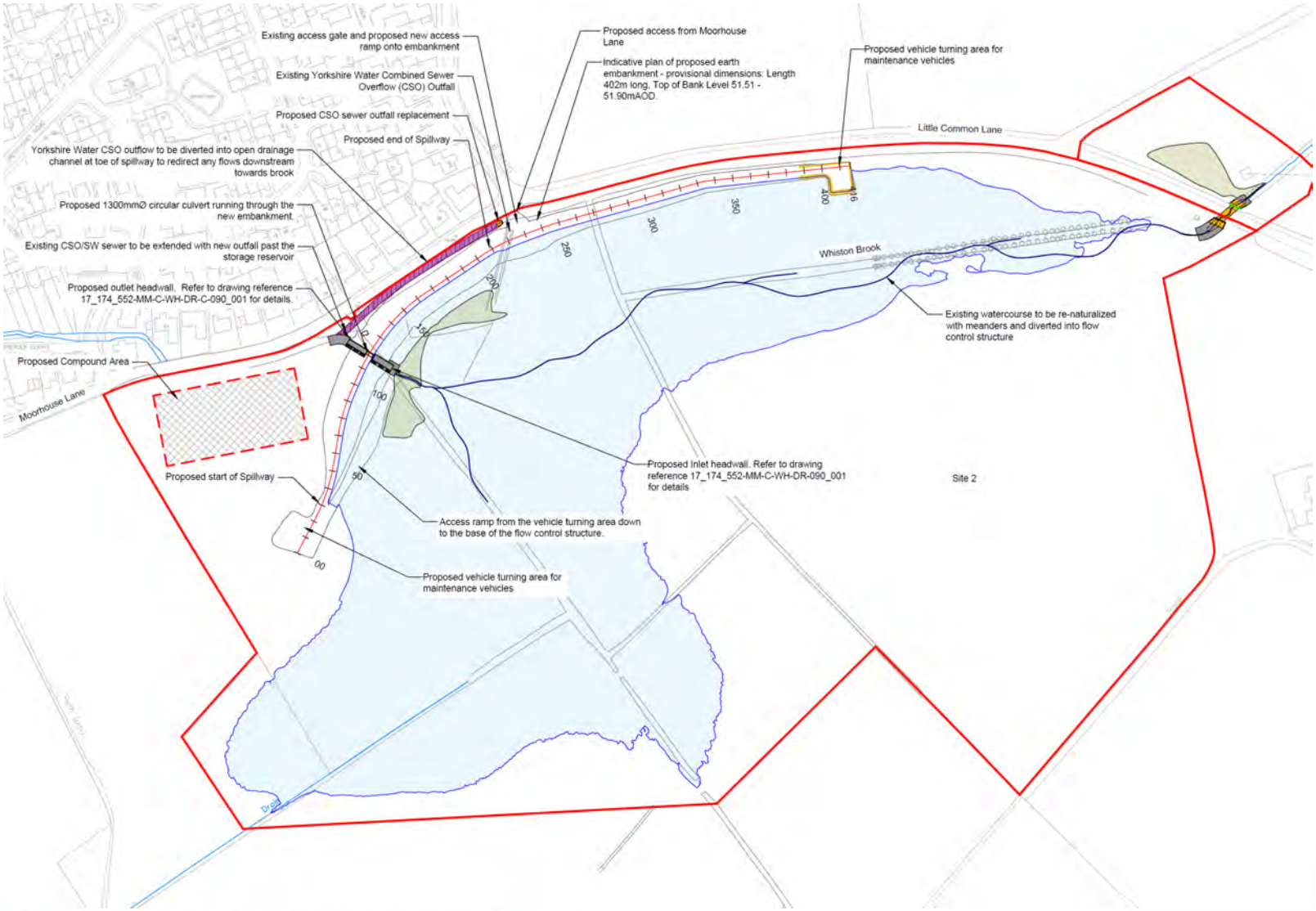


6. Catcliffe and Treeton Bridge Replacement

Bridge impeding flows within Storm Claudia.

Concept rendering of the bridge replacement

7. Whiston Brook FAS



7. Whiston Brook FAS

The Whiston Brook FAS is now progressing into the construction phase, marking a major milestone in our flood resilience programme. This scheme has been designed to reduce flood risk to homes, businesses, and key infrastructure within the Whiston Brook catchment.

The tender process has been completed. Works are scheduled to commence in January 2026.

Concept rendering of the scheme at Whiston

Questions

Questions?