

# What has been done since February 2025

## Pipe re-lining complete

Thanks to surveys done along our network last year, some defects were identified. This meant that extra water was entering our sewer network, putting our wastewater treatment works under extra pressure. We are pleased to say that we have now completed our work to re-line these pipes, totalling 393 metres. We are already seeing the benefits at our treatment site. We would like to apologise for any inconvenience caused whilst the work was underway.

## New lamella unit

Earlier this year we added a new piece of kit to our works called a lamella unit. This is displayed to the image on the right.

This is an additional settlement tank to further help with the treatment process and has helped to expand the capacity of the works by an extra 50% of the current site flow. This has reduced spills from the storm overflow considerably, and is an interim measure until the proposed upgrades to our works come online in the future.

## Proposed timeline (\*subject to change)

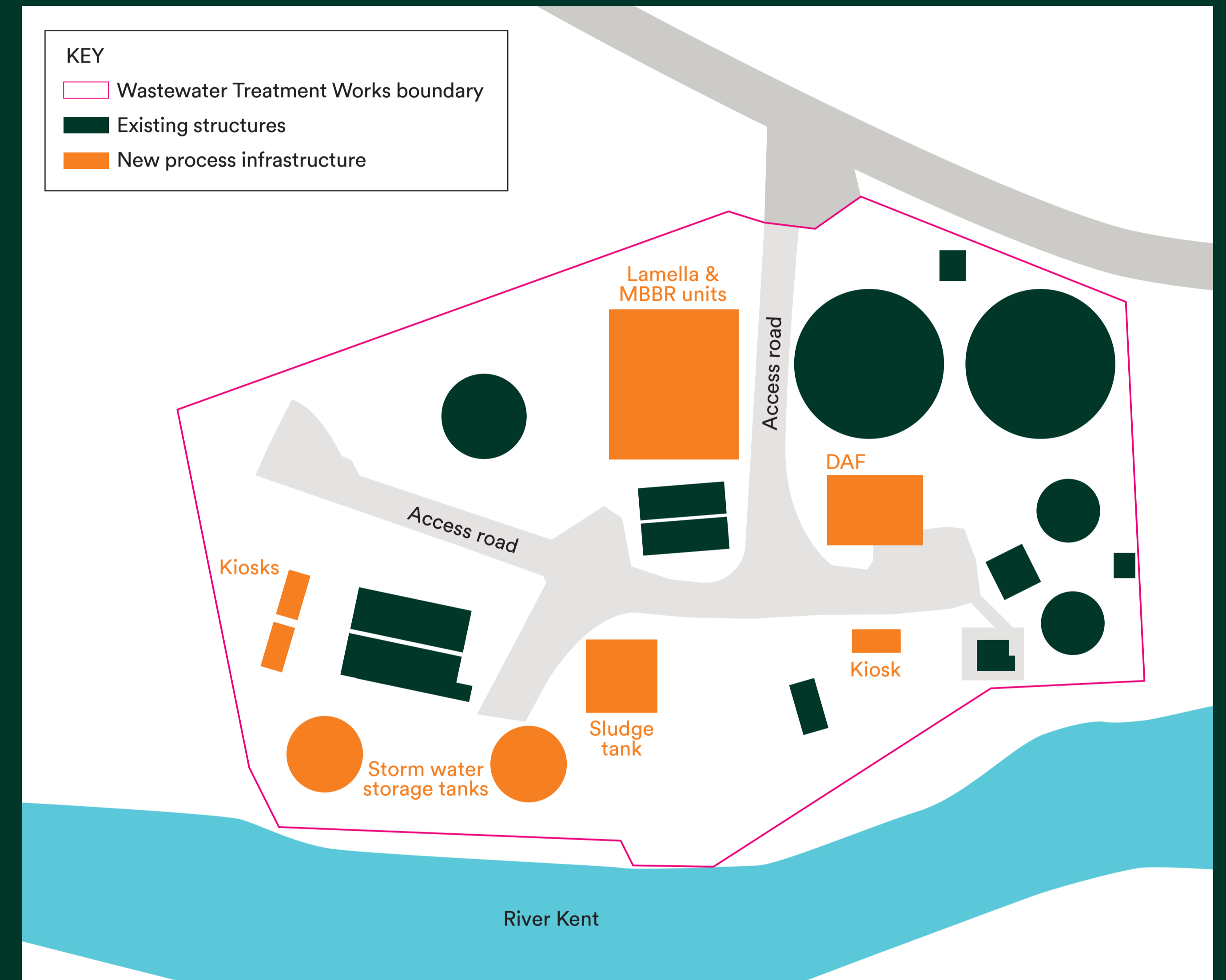
- |               |                               |
|---------------|-------------------------------|
| • Winter 2025 | Early start on site at WwTW   |
| • Spring 2026 | Main construction work begins |
| • Summer 2027 | Planned completion expected   |



# What is happening: Staveley Wastewater Treatment Works

To help improve treatment standards and be able to treat more sewage at our works, we have come up with a plan which involves working within our existing site. We will be adding the following new assets into our site:

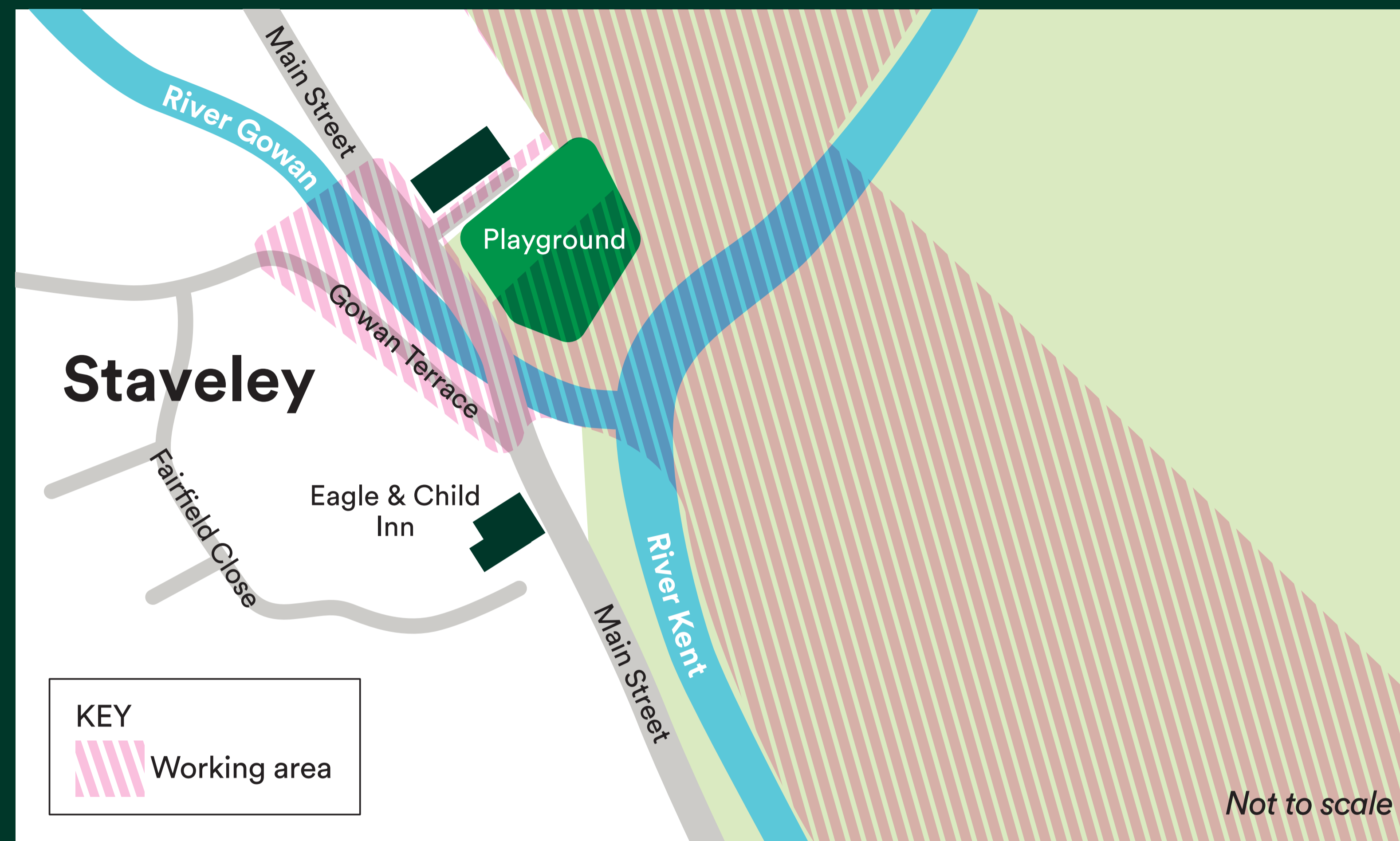
- **Additional above ground storage tanks.** These storage tanks will store storm water when we have heavy rainfall, preventing our system from being overloaded with excess water. These tanks will hold around 450m<sup>3</sup> of water – approximately the size of one standard leisure centre swimming pool!
- **A Lamella Unit.** We are installing a second lamella unit to work alongside the first that was installed last year. It is an additional settlement tank which further helps with the treatment process and the capacity of the works.
- **A Moving Bed Biofilm Reactor (or MBBR for short).** This compact unit is a secondary treatment phase of the wastewater going through the works and uses media to breakdown the wastewater.
- **Dissolved Air Flotation Tanks (or DAF for short).** These tanks are a process in wastewater treatment that help to clarify the wastewater by removing suspended matter such as oils or solids.



# What is to come: Crossing the River Kent

We have completed some surveys in the field opposite The Eagle & Child. This helped to identify the best route for some new pipes needed to our wastewater treatment works, as well as the best place for this new pipework to cross the River Kent. This new pipework will not be visible once installed and at the river crossing it will be buried below the riverbed.

With work needed in the river itself, we have been directed by the Environment Agency that, due to fish breeding season, the work must be undertaken between July - September. We are currently exploring all options to ensure that we can complete this work as quickly and efficiently as possible, with minimal disruption to residents. Once we have a confirmed plan we will communicate this to all residents in the village.



## Site preparation May-June 2026

Site preparation, in the playground and playing field (half of the playground will be closed from May onwards)

## River crossing work July Sept 2026

## Gowan Terrace

Works in Gowan Terrace will follow - this is weather dependent so the date is to be confirmed. We will communicate in advance with all residents when we have a date for these works to begin



# What is to come: Brow Lane

We have finalised our plans for some surface water separation works on Brow Lane. This will involve the laying of some new pipework, the proposed route of which you can see in this diagram.

## What is surface water separation?

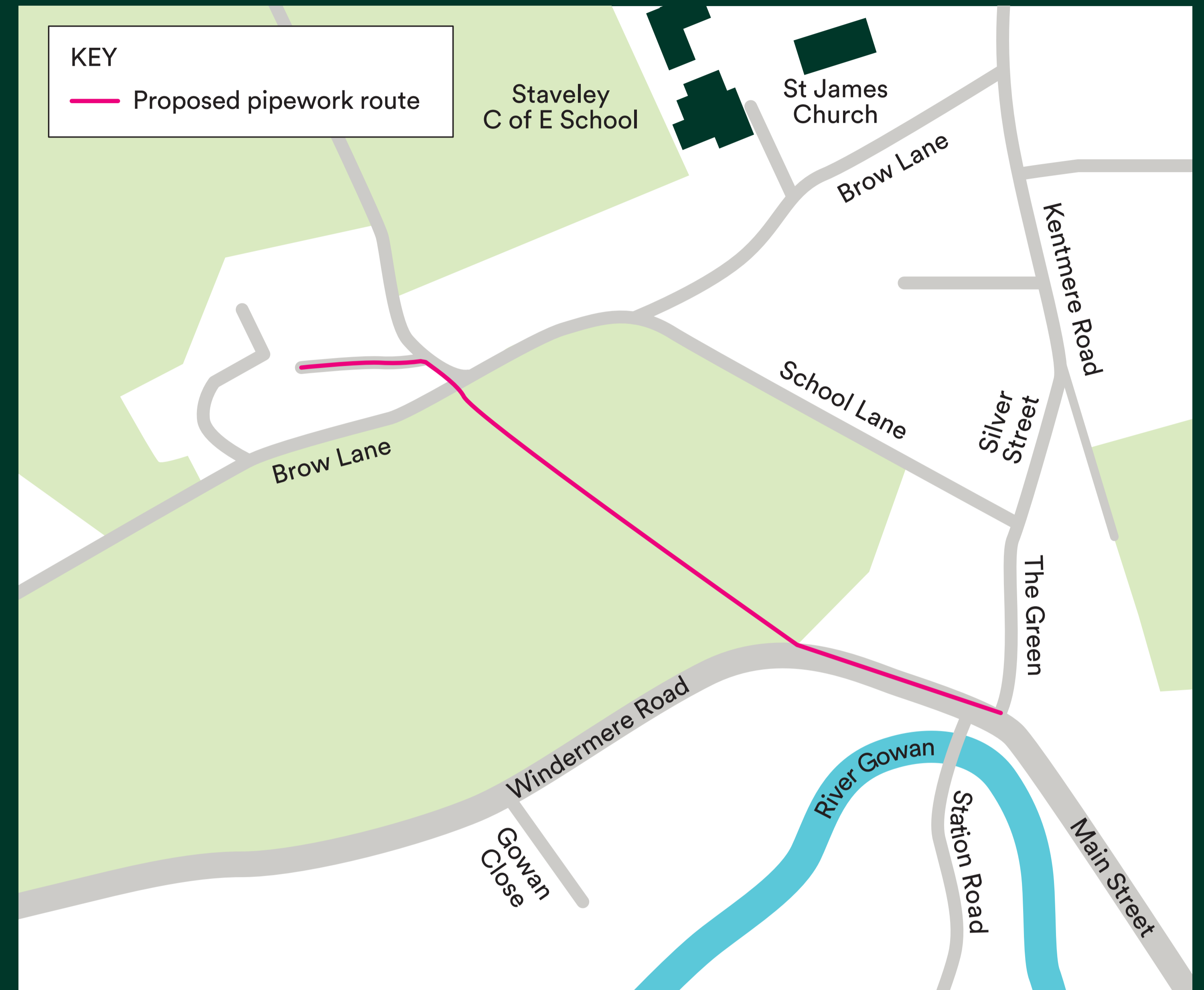
Surface water separation is the process of directing rainwater and other clean, uncontaminated water away from the sewage network, into separate drainage systems that go to a stream, river or soakaway. This helps to mitigate flooding, prevent storm overflows operating in heavy rainfall and eliminate the overload of our treatment works.

## What will happen?

We will take the surface water away from our sewage network through new pipework and into the River Gowan. This water is clean and uncontaminated; therefore the best solution is to return it to the environment.

## When will this work take place?

We are looking to start work on this area in Spring. When we are laying new pipework in Windermere Road, some traffic management will be required. This will not happen at the same time as the traffic management required further down the road on Main Street or Gowan Terrace.



# The Playground

With work needed in the corner of the playground near to the bridge, in order to complete the river crossing section of work, we will have to remove some of the existing equipment and section off half of the playground for safety purposes. We have removed a tree from the corner of the playground for our works, we will replace this with a new tree once our works are complete.

## The equipment

We need to remove the wooden stepping logs and the tower from the playground, so that we can lay some new pipework. We are working closely with both the Staveley Village Association and the primary school to decide the new equipment that will be installed in it's place. We are co-ordinating our works through the Summer to hand the playground over for the new equipment to be installed by SVA's supplier.

## When can we use the playground?

We want to ensure full safety whilst our works are ongoing, therefore, from mid-May the playground will be fully closed during our working hours, which are Monday - Friday, 8am - 6pm. We are aiming to have the playground open on weekends and evenings, however there may be times where we have to close the playground fully for a couple of weeks. If this happens we will communicate this out to the community in advance.

We are coordinating our works through the Summer to hand the playground over for new equipment to be installed by the supplier. The SVA are aiming to reopen the playground from the start of September.



# Traffic Management

Whilst our works are ongoing in Main Street and Gowan Terrace we will need to implement a road closure for safe working conditions. We are working with the Highways Team from Westmorland & Furness Council on these road closures. These roads will not be closed at the same time as each other, or the road closure needed further up the village on Windermere Road.

## Main Street

We need to increase the size of the sewer in Main Street and the digging required for this means that we will need to fully close the road. We are working with the local schools to ensure that if any school children need access to buses during this time, that they can do so.

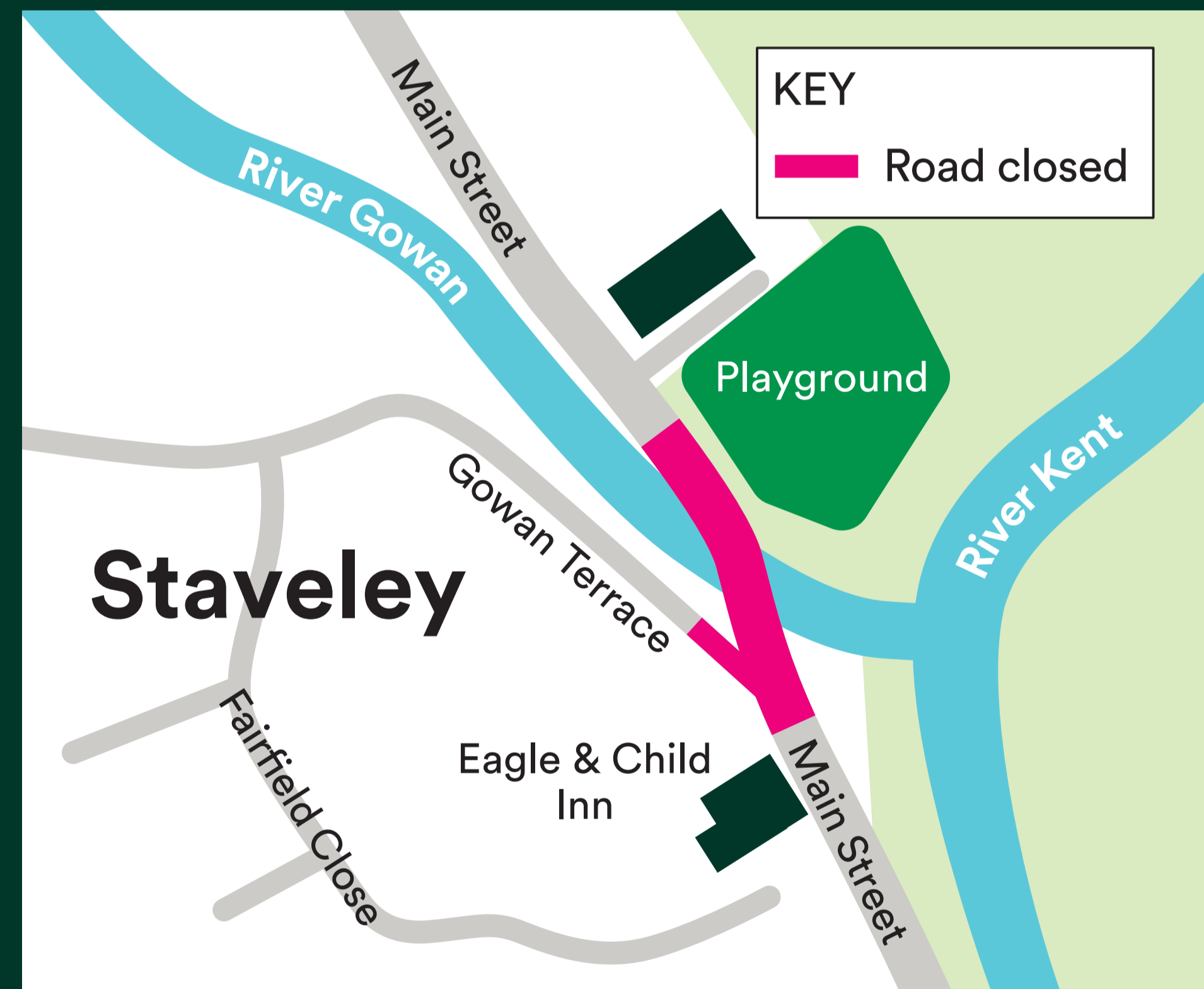
## Gowan Terrace

In order for us to improve the issue with sewer flooding on Gowan Terrace we need to upsize the sewer that is currently under the road. We know that this road is used for car parking for all of the houses along Gowan Terrace, and we will work with all property owners to provide suitable alternative parking during this time.

Road closure phase 1



Road closure phase 2



Road closure phase 3



# Construction Traffic

There will be an increase in construction vehicles travelling to and from our wastewater treatment works, however we are proposing to use a route that does not come through Staveley village. This would mean that there should be no construction traffic coming through Staveley to access our works.



There will be a traffic management and access plan in place during the main construction phase with a designated route to and from the treatment works site



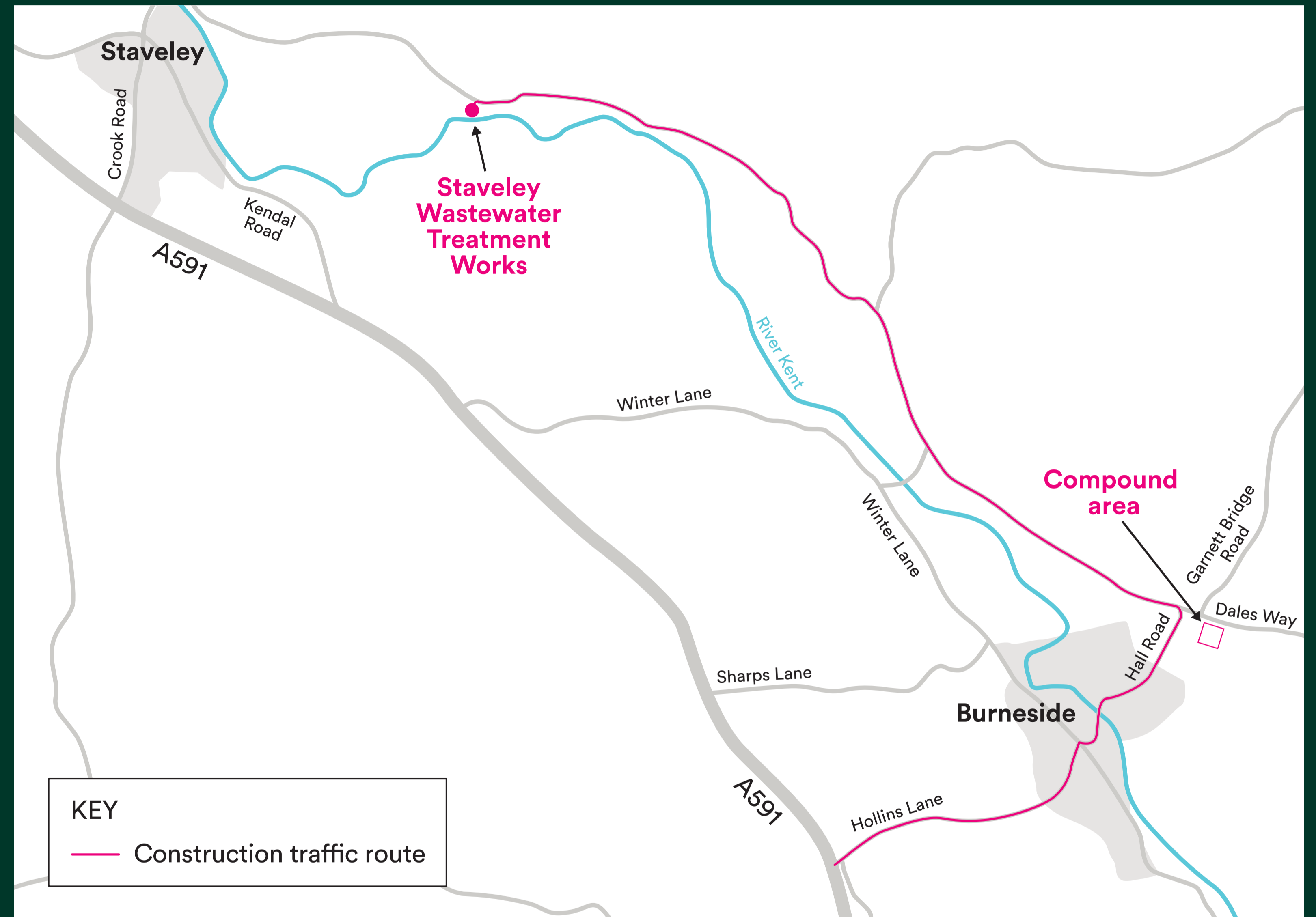
All construction traffic movements will be during normal working hours; Monday - Friday, 8am - 6pm, however for work within the road and across the river we are aiming to be working 7 days a week 7am – 7pm to complete this work within a short timescale. Access will be maintained during school pick up/drop off hours.



Residents will always have access to their properties



We are aware that this road is used by cyclists and walkers frequently and this is being taken into account



## Proposed timeline (\*subject to change)

- Winter 2025 Early start on site at WwTW
- Spring 2026 Main construction work begins
- Summer 2027 Planned completion expected

# Carrying out the project considerately and safely

Whilst all our planned works will be going on within our works, we need to ensure that the area surrounding the site is safe for the public. Because we are proposing to install several new assets at our works, we will need an area to accept and store the delivery of these items, as well as a welfare area for our staff. We will be using some land surrounding our works for this, however this will mean that we need to create a diversion in the footpath near the works. The diagram shows the footpath as it stands currently, as well as the diversion that we are proposing.

