

## Design Refinement 3 – Pipeline Sections A and B

### Where is the proposed change?

Sections A and B are located within Havant Borough Council's administrative area and comprise the two pipelines that would transfer purified recycled water and source water between the water recycling plant and the Havant Thicket Reservoir. Section A covers the area around Staunton Country Park and Section B covers the area south of Staunton Country Park to the water recycling plant.

There are two options for the pipelines in Section A and B:

- **Preferred option** – Two pipelines would be installed between the water recycling plant and Bedhampton Springs. At Bedhampton Springs, our pipelines would connect into pipelines that are being proposed by Portsmouth Water between Bedhampton Springs and Havant Thicket Reservoir and which are being consented separately.
- **Backup option** – In the event that Portsmouth Water's pipelines between Bedhampton Springs and the Havant Thicket Reservoir are not granted planning permission, we are currently progressing with a backup option. For this option, there would be two continuous pipelines between the water recycling plant and Havant Thicket Reservoir located within a single tunnel that would be constructed at a depth of over 20 metres below ground level through Havant.

The design presented at the Summer 2024 Consultation is shown in **Figures 3, 4 and 5**.

### What is changing and why?

We are proposing the following design refinements to the preferred option and backup option within Section A and B, which are highlighted in **Figures 6, 7 and 8**.

#### Preferred option design refinement

- At Staunton Country Park and Havant Rugby Football Club, we have made minor changes to the draft Order Limits to ensure that Portsmouth Water's pipelines between Bedhampton Springs and Havant Thicket Reservoir are fully included within the Order Limits. This ensures that the use of these pipelines as part of this project can be authorised by our Development Consent Order.
- Through ongoing discussions with Portsmouth Water on the construction of the pipeline within the Bedhampton Springs site, the draft Order Limits have been extended at Bedhampton Springs to include an existing access road and an additional construction compound. We have also extended the draft Order Limits slightly at the north side of the site to ensure there is enough space to construct the pipelines parallel to the railway. We may need to locate the pipeline here as we have identified veteran trees to the south of the site.
- A new temporary construction access from an existing access point on the A27 slip road has been added to support access to construction compound B1-1 located west of Mill Lane. This access has been added as some of the abnormal and heavy construction vehicles may not be able to pass over the Mill Lane railway bridge. This access would only be used by a low number of these construction vehicles.
- We have also identified two areas where we may need to undertake temporary highway works to the draft Order Limits to facilitate some of the larger construction vehicles we require. One of these is at the Bedhampton Road and Brookside Road junction, where we may need to make modifications to the junction geometry and the traffic islands. The other location is at the West Street and Meyrick Road junction, where we may need to implement a temporary parking restriction to ensure vehicles can use the junction safely. Following the completion of construction works we will reinstate these junctions to their current condition in line with Hampshire County Council's requirements. These junctions will be kept open whilst works are undertaken.

#### Backup option design refinement

- Through ongoing engagement with Hampshire County Council and further investigation of the construction vehicle access requirements, the two access points to construction compound B2-1 from

Middle Park Way, shown at the Summer 2024 Consultation, have now been amended to one single access point better suited for construction access.

- At the Summer 2024 Consultation, engagement with Havant Rugby Football Club identified that the access to construction compound B2-2, which would be used for the intermediate tunnel shaft, would impact a floodlit grass rugby pitch. This tunnel shaft location would also have been in close proximity to St Thomas More's Catholic Primary School and Pre-school. In consultation with both the Rugby Football Club and Hampshire County Council, a new location for the construction compound is now proposed with access from Hook's Farm Way to the north.
- An environmental mitigation and enhancement area for grassland and woodland reinstatement has been identified around the pipeline construction works within Staunton Country Park to help mitigate for any habitats lost.
- The draft Order Limits for the tunnelled sections of the pipeline have been reduced to remove potential settlement areas given that we are not proposing construction works in these areas. We will of course continue to engage with all residents and stakeholders in the proximity of any tunnelling works during the construction phase.

## How might the change affect you or the environment?

### Preferred option design refinements

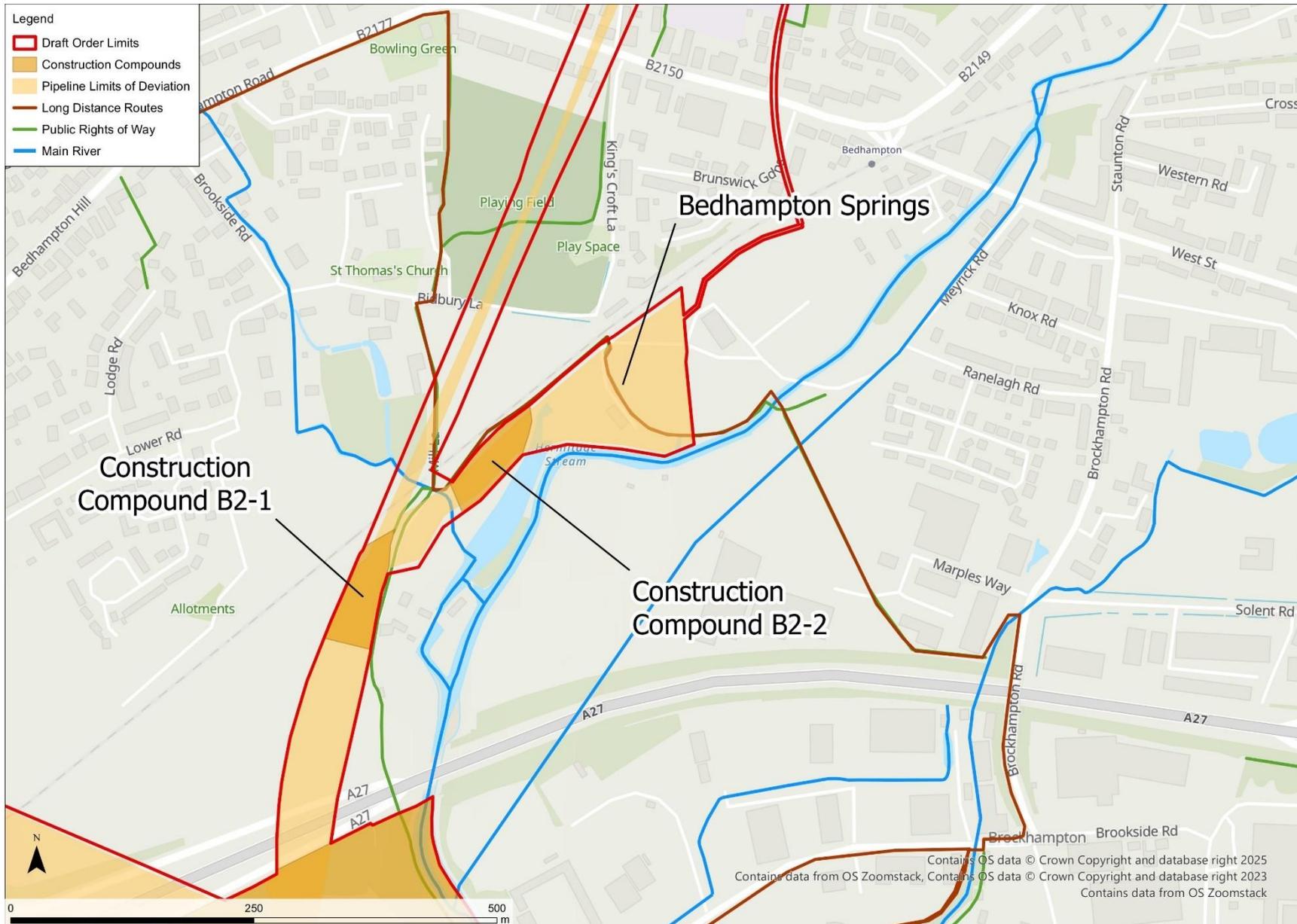
- **Mill Lane Construction Compound Access** – The additional access route to the construction compound west of Mill Lane from the A27 would only be used by a very low number of construction vehicles, such as abnormal loads or those which could be too heavy to use the existing bridge over the railway. Subject to further engagement with National Highways, we could temporarily use traffic management on the slip road to facilitate these vehicle movements. Using this access will reduce the number of abnormal load/heavy construction vehicles using Mill Lane.
- **Bedhampton Springs** – The amendments at Bedhampton Springs are not anticipated to have any environmental effects compared to those in our Preliminary Environmental Information Report presented at the Summer 2024 Consultation, as the new works would be contained within the existing operational site. The refinements help to ensure environmental effects are reduced, for example by avoiding veteran trees.

### Backup option design refinements

- **Intermediate Tunnel Shaft at Havant Rugby Football Club** – The amended location of the intermediate tunnel shaft and construction compound is marginally closer to residential properties along Hooks Farm Way and Hooks Lane. This could increase the levels of noise experienced temporarily by these properties. The construction compound would be further away from St Thomas More's Catholic Primary School and Pre-School, and Bidbury Junior and Infant Schools, which would experience reduced levels of construction noise. Compared to the Summer 2024 Consultation design, the tunnel shaft and access will be closer together, which would mean that the two key noise sources will be in the same area. This could increase the total level of noise experienced at the residential properties on Hooks Farm Way and Hooks Lane. To mitigate any additional noise impacts, we will implement measures set out in the Outline Construction Environmental Management Plan which will form part of our Development Consent Order application, including limits on working hours and working practices to reduce these effects.
- **Staunton Country Park** – The refinement to the construction compound access within Staunton Country Park would move construction works away from residential properties along Middle Park Way, Bitterne Close and Bondfields Crescent. The change also means that less vegetation would be removed to facilitate access, and protected species would be avoided.



Figure 4 Bedhampton Springs – Summer 2024 Consultation design



# Hampshire Water Transfer and Water Recycling Project

## Consultation Information

### Spring 2025 Consultation

#### Figure 5 Intermediate tunnel shaft area – Summer 2024 Consultation design

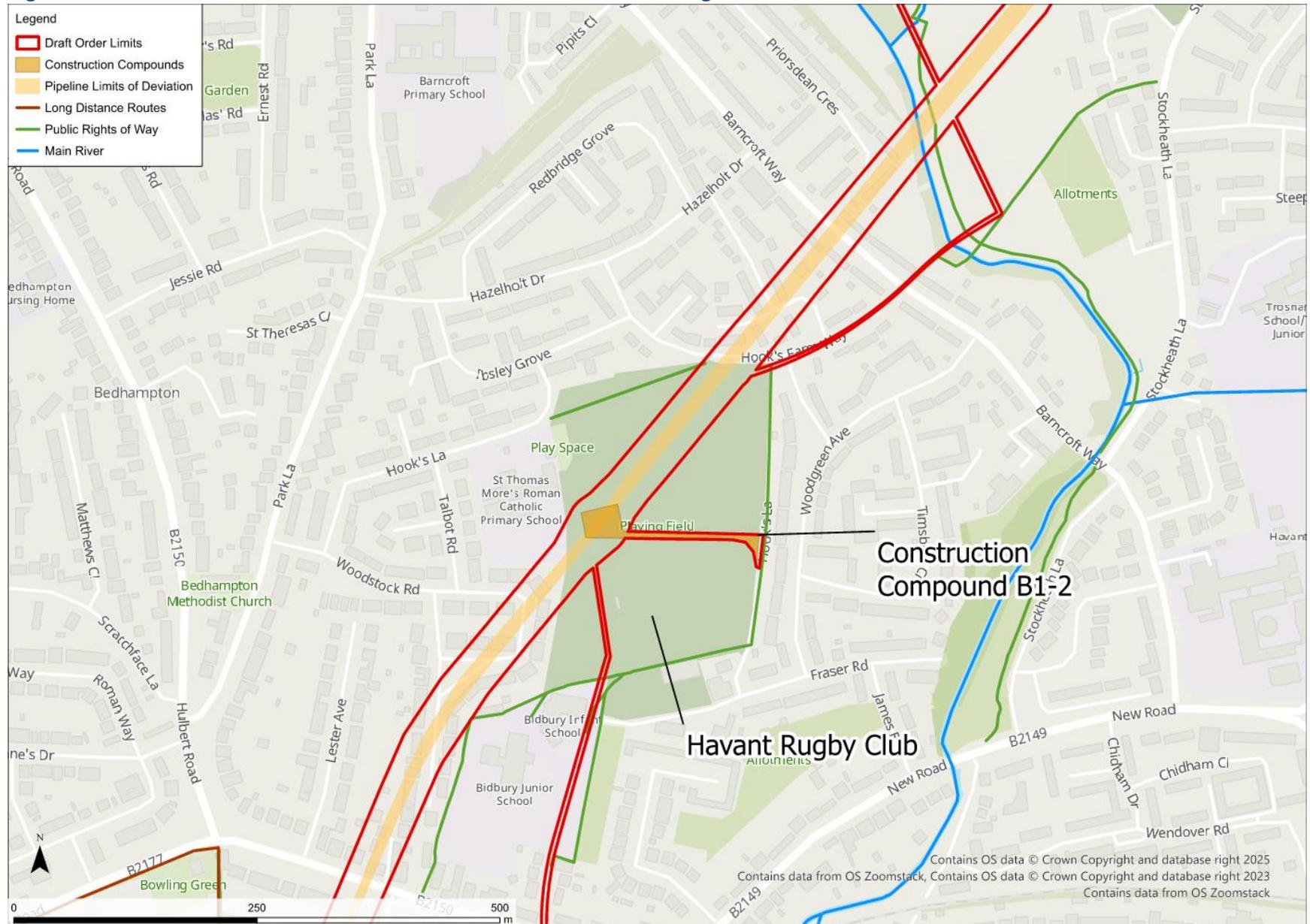




Figure 7 Bedhampton Springs – Design Refinement

