



Planning Department
Havant Borough Council

By email to: planning.development@havant.gov.uk

Your ref

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Our ref

710166-SWS-XX-XX-
RI-Z-00002

Date

3rd January 2023

Contact

Tel:
07762 407271

Email:
lawrence.blyth@southernwater.co.uk

Dear Sir or Madam,

Southern Water Services Limited – planning application for the drilling of 2no. test boreholes at the Bedhampton Mariners Cricket Club, Bidbury Lane, Havant, PO9 3JJ.

We write to you in respect of a planning application submission for the proposed drilling of 2 no. test boreholes at the Bedhampton Mariners Cricket Club grounds.

We have enclosed the following drawings to accompany this planning application:

- Location Plan for BH101 & BH102 – 710166-SWS-XX-XX-DR-Z-00201
- Site Layout Plan for BH101 – 710166-SWS-XX-XX-DR-Z-00205
- Site Layout Plan for BH102 – 710166-SWS-XX-XX-DR-Z-00206
- Headworks Plan – BH101 - 710166-SWS-XX-XX-DR-Z-03701
- Decommissioning Detail Plan for BH101 - 710166-SWS-XX-XX-DR-Z-03703
- Headworks Plan - BH102 – 710166-SWS-XX-XX-DR-Z-03704
- BH102 Decommissioning Detail Plan - 710166-SWS-XX-XX-DR-Z-03706



Background

Southern Water is currently developing a strategic water resource project to provide a new sustainable water supply to customers in its Hampshire supply area. As a drought resilience scheme, the project will maintain essential supplies to customers whilst reducing reliance on abstractions from Hampshire's sensitive chalk streams during a drought scenario.

The project involves both a new water recycling plant in Havant, new underground water transfer pipelines between Budds Farm Wastewater Treatments Works, the proposed site for the water recycling plant, the new Havant Thicket Reservoir and our Otterbourne Water Supply Works and at some points along the pipeline we will need to install above ground plant such as break pressure tanks and intermediate pumping stations.

The test boreholes are needed as part of our overall ground investigations to provide information critical to the development of the design and alignment of the proposed pipeline tunnels. The boreholes can therefore only be sited within a narrow corridor. Alongside each borehole location a number of smaller trial pits are also required to test ground conditions closer to the surface. The proposed locations have been reviewed to ensure environmental impacts are avoided or mitigated to minimise any potential impact during the works.

Drilling Methodology

Construction will be carried out using a rotary core drilling machine complete with associated equipment. The drilling rig will be situated on protective track matting to protect the existing ground conditions. The drill rig will also be fully encapsulated with secure heras fencing complete with acoustic sound barriers attached to the panels to reduce noise levels whilst dynamic sampling is carried out. BH101 will be drilled to a depth of 30 metres and BH102 will be 60 metres deep.

In several locations access to the borehole location is restricted and as such these locations will require small temporary compounds to allow for safe unloading and distribution of the drilling equipment. The compound will be set up as close to the borehole location as possible.

Added security measures will be put in place at each location in the form of 360-degree 24 hour monitored security tripod to ensure security of the works sites.

Duration of the works and monitoring period



Construction timescales for the boreholes varies with depths. BH101 will take approximately 2 weeks to drill and BH102 will take approximately 3 weeks to drill. These durations are indicative and subject to change depending on ground conditions encountered.

The boreholes would be required for a period of up to 12 months in total to allow the necessary data collection to be carried out over the full winter period. The boreholes would be filled in and the land fully restored on completion of the data collection.

Site and Surroundings

BH101

The borehole and construction compound for BH101 are proposed to be located to the western edge of the playing field to the north of Bidbury Lane. The site is screened from Bidbury Lane by a mature belt of trees, although the borehole itself would not impact any tree root protection areas.

St Thomas' Church and 2 residential properties lie 30 metres to the west. There is an allotments site adjacent to the south of Bidbury Lane. There are residential properties 140 metres to the east of the playing field, along King's Croft Lane. The Bedhampton Cricket Ground lies to the north of BH101, as described under the BH102 surroundings section below.

BH102

The borehole and construction compound for BH102 is proposed to be located to the northeast corner of the Bedhampton Cricket Ground. A residential property lies adjacent to the north of the site area and a number of additional residential properties associated with Bedhampton Road and King's Croft Lane to the north and east respectively.

It will be necessary to leave the temporary above ground headworks in place for up to 12 months following construction. For this reason, the borehole has been located to the side of the cricket field to enable the ground to continue to be used for sport and recreation throughout the monitoring period.

There are a small number of trees to the west and east of the site, however the borehole is to be located away from the root protection zones. Construction equipment will also be located away from root protection zones.

Access

Both BH101 and 102 area accessed via the existing access road from Bidbury Lane. As both sites are located on the playing fields, trakmat will be laid to extend the road access to each site compound to aid construction vehicle access.

A small 5m x 5m compound close to the BH101 compound is proposed as a laydown and safe turning area for delivery vehicles to offload plant and materials without the need to enter the playing fields via the trakmat which is intended for smaller construction vehicles.

Environmental and Health considerations

To minimise disruption to nearby residents, the following measures have been implemented:

- Working hours will be at the least sensitive times (08:00 to 17:00 Monday to Friday) only.
- The borehole will be micro-sited where possible to maximise distance to nearest residential properties.
- Temporary screening (ECHO Barrier ECHO H8) will be introduced using panels fixed to site boundary fencing. This is anticipated to fully screen the main noise sources (the pump and rig motor) as these are at relatively low height.
- Other standard best practice mitigation measures will be implemented as part of best industry practice.

Residents and other stakeholders have been notified in advance of the nature and duration of the proposed works through a letter drop. This includes details of activities that may result in more noticeable periods of noise and vibration and details of the measures being used to minimise disturbance.

We trust that this letter is fully explanatory, however, please do not hesitate to contact me if you have any queries or would like to discuss any issues raised in this letter.

Yours sincerely,



Lawrence Blyth

Town and Country Planner

