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**CONSULTATION UNDER THE TOWN AND COUNTRY PLANNING
(DEVELOPMENT MANAGEMENT PROCEDURE ENGLAND) ORDER 2010**

Planning Application Reference:	APP/21/00989
Proposal:	Outline planning application for the development of 150 dwellings (3-bed; 4-bed and 5-bed dwelling houses and 1-bed and 2-bed apartments) addressing layout, scale and access, including biodiversity enhancements and buffers and species-specific enhancements, SUDS and car parking (with appearance and landscaping matters reserved).
Location:	Cabbagefield Row adjacent 103, Swanmore Road, Havant
Date:	13 October 2021

Portsmouth Water have reviewed the outline application (APP/21/00989) and have the following comments.

Portsmouth Water's Position

The site lies on Bedrock consisting of Bognor Sand Member overlying the Portsdown Chalk Formation. The geology underlying the site is classified as a Secondary A Aquifer overlying a Principal Aquifer. The site is located in Source Protection Zone 1c (SPZ1c) for the Havant and Bedhampton springs; an essential public water supply source. The SPZ1c relates to subsurface activity only, where the Chalk aquifer is confined and may be impacted by deep drilling activities. Subterranean activities such as drainage solutions and/or piling may pose a risk to groundwater quality and our supply at Havant and Bedhampton Springs.

The groundwater environment is of high sensitivity and consequently all measures to prevent pollution during and post construction are required in order to safeguard the local public water supply.

Drainage

The Flood Risk Assessment and Surface Water Drainage Strategy by SOCCOTEC UK Ltd (Ref:223/01/cr/fra/0821) outlines the surface water drainage strategy. Surface water will be managed through the installation and operation a Sustainable Drainage System (SuDS). The use of soakaways and infiltration has been ruled out due to the hydrogeology of the area. All surface water will continue to drain to the local surface water body (Park Lane Stream) via a storm drainage system. Run off from roads and drives will be carefully managed and treated. The proposed foul water drainage strategy is the connection to existing main sewers. Both drainage strategies are acceptable to Portsmouth Water in relation to groundwater protection as deep soakaway and infiltration drainage are not proposed. If there is any deviation from these proposals we would wish to be consulted further.

Piling & Foundations

The proposed site is situated in a sensitive groundwater catchment and there are potential significant risks associated with groundworks in this area.

Portsmouth Water would have a presumption against piling at this location if the piles penetrate the full depth of the Clay cover. We would have no objection to piled foundations that terminate within the Clay cover; in this instance we would expect a piling risk assessment and method statement (detailing the depth and type of piling to be undertaken and the methodology by which such piling will be carried out, including measures to prevent and minimise the potential for damage to subsurface water infrastructure, vibration and the programme for the works) to be submitted to and approved in writing by the local planning authority in consultation with Portsmouth Water.

Any piling, if proposed, must be undertaken in accordance with the terms of the approved piling method statement.

Reason: Piling or any other foundation designs using penetrative methods can pose a risk to potable supplies from, for example, turbidity, mobilisation of historical contaminants, drilling through different aquifers and creation of preferential pathways.

Catchment Management Team
Portsmouth Water

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