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**CONSULTATION UNDER THE TOWN AND COUNTRY PLANNING
(DEVELOPMENT MANAGEMENT PROCEDURE ENGLAND) ORDER 2015**

Planning Application Reference:	APP/20/00935
Proposal:	Erection of 6No. 3bed dwellings, with 4 No. car parking space
Location:	11 East Street, Havant, PO9 1AB
Date:	26 November 2020

Portsmouth Water have reviewed the application for **Erection of 6No. 3bed dwellings, with 4 No. car parking spaces** and have the following comments.

Site Setting

The site lies on Made Ground overlying Superficial Deposits, which in turn overlie Bedrock. The Superficial Deposits are Head (Clay, Silt, Sand and Gravel) deposits and the Bedrock consists of Lambeth Group. The geology underlying the site is classified as a Secondary A Aquifer overlying a Principal Aquifer. The site is located on the northern border of a Source Protection Zone 1 (SPZ1) and is located in Source Protection Zone 1c (SPZ1c) for 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 deep drainage solutions and/or piling may pose a risk to groundwater quality and the local public water supply source.

Portsmouth Water's Position

Portsmouth Water do not object to the proposed development in principle, however due to the sensitivity of the groundwater environment we would wish to be further consulted on the foundation designs. In addition to a Construction Environmental Management Plan (CEMP) and pollution prevention measures for the development prior to development commencing.

Drainage

The proposed surface water and foul water drainage strategy is disposal to existing main sewers; this is acceptable to Portsmouth Water in relation to groundwater protection as deep soakaway and infiltration drainage are not proposed. Portsmouth Water require the use of the highest specification pipework and designs for schemes involving new sewerage systems in SPZ1 to minimise leakage.

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 no objection to piling at this location if the piles terminate within the Clay cover, if the piles penetrate the full depth of the Clay cover 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.

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.

Construction Environmental Management Plan (CEMP)

Portsmouth Water wish to be consulted on the Construction Environmental Management Plan (CEMP) for comment. The plan should detail all pollution mitigation measures to be adopted during the construction phase. This should include management of overland runoff, storage of hazardous materials, chemical and hydrocarbons on site and temporary drainage infrastructure to ensure that water resources are not put at risk from leaks or spillages.

Furthermore, the CEMP should specifically outline the proposed means of surface water management during development.

Reason- Fugitive emissions from the site during construction could pose a significant threat to groundwater and therefore the local water supply sources.

Catchment Management Team
Portsmouth Water

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