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

Applicant:	Zionstone Limited
Planning Application Reference:	APP/20/00689
Proposal:	Subdivision of existing units including blocking up of flank walls to create 3 No. units together with new shopfronts.
Location:	Units 1-3 and 12-13 North Street Arcade, North Street Arcade, Havant
Date:	23 September 2020

Portsmouth Water have reviewed the application ref: APP/20/00689 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 and the Bedrock consists of London Clay Formation. The geology underlying the site is classified as an Unproductive Aquifer overlying a Principal Aquifer.

The site 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 would 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 any piling or deep excavations on the site.

Drainage

The proposed surface water strategy is disposal by an existing main sewer; this is acceptable to Portsmouth Water in relation to groundwater protection. The proposed foul water strategy is discharge into the foul main sewers; this is acceptable to Portsmouth Water in relation to groundwater protection. 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

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.

Catchment Management Team
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