1ST HORIZON

FLOOD RISK & DRAINAGE – SUMMARY PROOF OF EVIDENCE

(REF: 8607-R09-PoE)

Client: **Home Office**

Project: **Haslar IRC, Gosport**

Date: **20/10/2026**

Contact Details

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Flood Risk and Drainage Summary Proof of Evidence	
Project	Haslar IRC, Gosport
For	Home Office
Reference	8607-R09
Date	20 October 2026
Author	[redacted] (BSc [Hons], MSc, MCIWEM, C.WEM) – Associate Director, Enzygo Ltd

Revision	Date	Status	Reason for Revision
P01	20th October 2026	Final	-

1.1 My name is [redacted], Associate Director, Enzygo Ltd.

1.2 I hold a First Class Bachelor of Science degree with honours in Physical Geography, from Aberystwyth University, specialising in Hydrology, and a Master of Science Degree with Merit in Catchment Dynamics and Management from the University of Leeds. I am a Chartered Water and Environmental Manager (C.WEM) with the Chartered Institution of Water and Environmental Management (CIWEM).

1.3 I have written and managed many Flood Risk Assessments across a 13-year career, in all regions of the United Kingdom, spanning multiple sectors including Leisure, Strategic Land for residential use, Energy, Schools and Commercial Developments. These have involved complex hydrological interactions of Pluvial and Fluvial Flood Risk, Groundwater flooding, and flooding from canals and other infrastructure. Much of this work has been tested at planning appeal, ranging from written representations to inquiry. Most of this work has resulted in approval of documents in planning to gain consent.

1.4 I have expertise in writing Flood Evacuation and Management Plans and have designed a training programme for holiday park General Managers in the leisure industry.

1.5 I have undertaken some bespoke work advising local authorities on geographic information systems to assess flood risk for social housing portfolios. I am also an expert in property flood resilience (as a CIWEM and Environment Agency trained PFR surveyor at foundation level) and have also problem solved prolific surface water flooding issues for existing residential areas on behalf of a local authority.

1.6 I have previously prepared expert evidence for public hearings, inquiries and civil court matters. I have given evidence in hearing and inquiry formats

1.7 I have produced this report as a specialist sub-consultant on behalf of 1st Horizon Surveying & Engineering Limited and the Home Office.

1.8 The FRA supporting the proposed extension of the Immigration Removal Centre at Haslar demonstrates that the proposed development would be operated with minimal risk from flooding, would not increase flood risk elsewhere and is compliant with the requirements of national and local policy and guidance. The incorporated design measures as part of the development ensure known and residual risks can be managed.

1.9 A site-specific hydraulic modelling study has aided in determining, most accurately, a design flood level and proposed ground floor level of proposed buildings with an Environment Agency accepted freeboard allowance to provide a refuge. A Flood Evacuation Management Plan will be in place to avoid site occupants being isolated by flooding in most flood circumstances with an advanced evacuation, but site occupants and property will still be safe should a flood event occur onsite without sufficient warning.

1.10 A SuDS drainage strategy is proposed to manage surface water runoff rates post-development. This will be achieved through gravity discharge to a public surface water sewer within the wider site, with appropriate discharge rates and appropriately sized attenuation. Capacity in the surface water sewer will be provided by Southern Water in advance of a connection from the proposed development. This can be conditioned to ensure capacity and connection timelines align. The proposals offer betterment above the current undeveloped status of that site.

1.11 The surface water drainage strategy during the construction phase will be integrated into a Construction Environment Management Plan (CEMP). The quality of surface water runoff from the proposed development during the operational phase will be improved through the adoption of a SuDS drainage strategy. A maintenance and management plan will ensure the effectiveness of the drainage strategy for the lifetime of the development. Details can be managed through a condition.

1.12 There are no statutory objections on flood risk, drainage and water quality grounds. Concerns of other third parties are addressed by the submitted flood risk and drainage evidence. Additional information required can be secured by condition as outlined in the consultation letters from statutory bodies.

1.13 In my professional opinion the proposed site in discussion at this Inquiry, with regard to Flood Risk and Drainage, complies with National and Local Policies and should not be precluded on these grounds.



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