

QUINTAIN DEVELOPMENTS IRELAND LIMITED

Portmarnock South Phase 1D

Statement of Consistency with Ministerial Guidance – Flood Risk

The Planning and Flood Risk Management Guidelines for Local
Authorities (2009)

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SECTION 1: STATEMENT

1.1 This statement of consistency confirms the following:

- The Flood Risk Assessment that forms part of the Planning Application documentation to An Bord Pleanála has been prepared in accordance with the Planning System and Flood Risk Management Guidelines for Local Government (2009).
- The Flood Risk Assessment is also in accordance with the recommendations contained in the Portmarnock South Local Area Plan 2013. Fingal County Council at its meeting on the 14th May 2018 passed a resolution approving an extension of the life of the Portmarnock South Local Area Plan 2013 up to 6th July 2023.

SECTION 2: FLOOD RISK ASSESSMENT

2.1 The Site Specific Flood Risk Assessment (SSFRA) address the following:

1. INTRODUCTION

- 1.1. General
- 1.2. Portmarnock South – Local Area Plan

2. FLOOD RISK ASSESSMENT METHODOLOGY

2.1. Methodology used for FRA

Step 1 – Identification of the Flood Zones at the Development

- Flood Zone A – Risk of river flooding (greater than 1 in 100 year return period (RP)) and risk of coastal flooding greater than (1 in 200 year return period) is highest;
- Flood Zone B – Risk of river flooding (between the 1 in 1000 year return period and the 1 in 100 year return period) and risk of coastal flooding (between the 1 in 1000 year and the 1 in 200 year return period) is moderate;
- Flood Zone C – Risk of river flooding and coastal flooding is low (less than 1 in 1000 year return period)

Step 2 – Identification of the vulnerability class of the Development

- Highly vulnerable Development (incl essential infrastructure)
- Less vulnerable Development
- Water compatible Development

Step 3 – Use of vulnerability class v’s Flood Zone matrix to identify the necessity for Justification Test for the Development

	Flood Zone A	Flood Zone B	Flood Zone C
Highly Vulnerable Development	Justification Test	Justification Test	Appropriate
Less Vulnerable Development	Justification Test	Appropriate	Appropriate
Water Compatible Development	Appropriate	Appropriate	Appropriate

2.2. Data Collection

- Dublin Coastal Flooding Protection project – 2005;

- Irish Coastal Protection Strategy Study (ICPSS) Phase III – 2008;
- Catchment Flood Risk Assessment and Management Study (CFRAMS);
- Portmarnock South Local Area Plan - 2013-2019;
- Greater Dublin Strategic Drainage Study (GSDSDS) – 2005

3. EXISTING HYDROLOGICAL ENVIRONMENT

- 3.1. Salient Hydrological Features
- 3.2. Existing Geology and Hydrogeology of the Area
- 3.3. Flood Regime of the Area
- 3.4. Existing Flood Studies

4. FLOOD RISK ASSESSMENT

- 4.1. Introduction
- 4.2. Stage 1 – Flood Risk Identification
 - Coastal/Tidal Flood Risk
 - Fluvial Flood Risk
 - Groundwater Flood Risk
 - Pluvial Flood Risk
 - Artificial Drainage Systems Flood Risk
- 4.3. Stage 2 – Initial Flood Risk Assessment
 - Step 1: Identification of the Flood Zone(s) at the Development
 - Step 2: Identification of the vulnerability of the Development
 - Step 3: Prepare matrix of vulnerability v Flood Zone(s) in respect of Justification Test for the Development
- 4.4. Stage 3 – Detailed Flood Risk Assessment
- 4.5. Flood Risk Mitigation Measures and Residual Risks

5. CONCLUSIONS

- 5.1. Summary of results
- 5.2. Impact of the development on existing flood regime of the area
- 5.3. Vulnerability of the Proposed Development to Flooding

It includes the following Maps in the Appendices:

APPENDIX 1: OPW Summary Local Area Reports

APPENDIX 2: Irish Coastal Protection Strategy Study Map

APPENDIX 3: CFRAMS Maps

APPENDIX 4: Portmarnock South – Local Area Plan SFRA Map