

## **14.0 INTERACTIONS OF THE FOREGOING**

### **14.1 INTRODUCTION**

All environmental factors are interlinked to a degree such that interrelationships exist on numerous levels. Interactions within the study area can be one-way interactions, two-way interactions and multiple-phase interactions which can be influenced by the proposed development. As this EIAR has been prepared by a number of specialist consultants an important aspect of the EIA process is to ensure that interactions between the various disciplines have been taken into consideration.

The purpose of this chapter of the EIAR is to draw attention to significant interaction and interrelationships in the existing environment. In preparing and co-ordinating this EIAR, John Spain Associates Planning and Development Consultants ensured that each of the specialist consultants liaised with each other and dealt with the likely interactions between effects predicted as a result of the proposed development, ensuring that appropriate mitigation measures were incorporated into the design process.

John Spain Associates required that a specific section on interactions be included in each of the environmental topic chapters of this EIAR. This approach is considered to meet with the requirements of Part X of the Planning and Development Act 2000, as amended, and Part 10, and Schedules 5, 6 and 7 of the Planning and Development Regulations 2001-2018.

In this regard, the aspects of the environment likely to be significantly affected by the proposed development during both the construction and operational phases have been considered in detail in the relevant chapters of this EIAR, and, in addition, likely interactions between one topic and another have been discussed under each topic chapter by the relevant specialist consultant.

### **14.2 INTERACTIONS**

The primary interactions may be summarised as follows:

- Archaeology with Land and Soils;
- Architectural Heritage with Landscape and Visual Impact and Material Assets;
- Biodiversity with Landscape and Visual Impact;
- Land and Soils with Population and Human Health, Biodiversity and Water;
- Water with Population and Human Health, Biodiversity and Material Assets;
- Air Quality with Population and Human Health; and
- Noise and Vibration with Population and Human Health.

The relevant consultants liaised with each other where necessary to review the proposed scheme and incorporate suitable mitigation measures wherever necessary. As demonstrated throughout this EIAR, most inter-relationships are neutral in impact when the mitigation measures proposed are incorporated into the design, construction or operation of the proposed development.

In addition to the above a series of standalone reports have been prepared to accompany the application and which have helped inform the final scheme design and the relevant chapters of the EIAR. Roadplan have prepared a Traffic and Transport Assessment Report. Garlands have prepared a Flood Risk Assessment, a CEMP and Waste Management Plans for the subject site and proposed development. BSM

have prepared an Appropriate Assessment Screening Report. These are all included as separate standalone reports with the application and have informed the relevant environmental assessments where relevant.