

## 10.0 WATER, HYDROLOGY AND DRAINAGE: SUPPLEMENTARY CHAPTER

### 10.1 INTRODUCTION

10.1.1 This supplementary Chapter provides a response to the additional information that has been requested by Blaby District Council and comprises the following:-

- Reference to the Environmental Permitting Regulations (England and Wales) 2010.

10.1.2 In support of the proposed drainage strategy, the following further information is provided at Appendix 10:-

- An addendum to the submitted Flood Risk Assessment (Appendix 10A);
- Examples of SuDS similar to those proposed as part of the Project (Appendix 10B; the general location of the systems are identified within the Green Infrastructure Biodiversity Management Plan A (supporting document));
- Indicative cross sections of the appearance of proposed balancing ponds 10a, 10b and 10c (Appendix 10B).

### 10.2 PLANNING CONTEXT

#### National

#### Environmental Permitting Regulations (England and Wales) 2010

10.2.1 The Environmental Permitting Regulations (England and Wales) 2010<sup>i</sup> aim to protect the environment and extend the permitting regime introduced in 2008 to include water discharge consents and groundwater permits.

10.2.2 The Environment Permitting Regulations and the Environment Agency website<sup>ii</sup> indicates that if runoff from roofs, roads, pathways or clean hard standing areas is discharged to surface water (be this a river, stream, estuary or the sea) or to groundwater (including infiltration) then no permit is required.

10.2.3 It states that, in this instance the development only needs to ensure that discharge remains clean and uncontaminated. As part of the proposals and in line with CIRIA guidance<sup>iii</sup>, treatment trains would be provided in order to ensure that the quality of water discharged is acceptable (as set out below), and as a result the proposals comply with the regulations.

- One treatment train: roofs only
- Two treatment trains: residential roads, parking areas and commercial zones
- Three treatment trains: refuse collection and industrial areas, loading bays, lorry parks and highways

#### Local

10.2.4 Refer to Chapter 3: Planning Policy for a more detailed summary of the current local planning policy position in relation to flood risk.

### 10.3 STATEMENT OF EFFECTS

10.3.1 The changes to the Project identified at Chapter 2: Development Proposals and shown on the revised Parameters Plans do not affect the overall conclusions reached in the Environmental Statement.

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<sup>i</sup> HMSO, 2010. The Environmental Permitting (England and Wales) Regulations

<sup>ii</sup> <http://www.environment-agency.gov.uk/business/topics/water/110593.aspx>

<sup>iii</sup> CIRIA, 2007. *CIRIA C697The SUDS manual*