Barratt David Wilson Homes & Hopkins Homes Ltd

Humber Doucy Lane, Ipswich Flood Risk & Drainage Proof of Evidence Rebuttal

Inspectorate reference: APP/X3540/W/24/3350673

890695 PoE Rebuttal V1

LDE
CIVILS | STRUCTURES | HYDROLOGY
an RSK company

JANUARY 2025

1 INTRODUCTION

1.1 My name is Thomas Fillingham, I am a Senior Infrastructure Engineer. Details of my experience and qualifications are set out in my main proof of evidence.

1.2 The primary purpose of this Rebuttal proof is to provide a response to the matters raised in the evidence submitted by Suffolk County Council (SCC) and the outstanding issues remaining in SCC's original Holding objection; 6, 7 & 9.

1.3 Following submission of proofs, emails were exchanged between myself and Mr Locksmith from SCC on the potential for the agreement of further common ground. These can be seen in Appendix A.

1.4 Accordingly, I submitted further explanatory information to Mr Locksmith on 08.01.25 as enclosed in Appendix B.

1.5 Following submission of that information Mr Locksmith provided helpful feedback and requested some additional information, which was submitted on 09.01.25 as enclosed in Appendix C.

1.6 However, at the time of writing, I have not yet had a further response and therefore I have provided the accompanying material in the form of a rebuttal in case it does not prove possible to provide a further SoCG on this matter.

2 SUPPLEMENTAL MATERIAL

2.1 The primary purpose of this supplemental material is to provide clarification on the matters raised in the evidence submitted by Suffolk County Council (SCC) and the outstanding issues remaining in SCC's original Holding objection; 6, 7 & 9. The points from the original holding objection can be found in my main proof.

2.2 On 08.01.25 I provided Mr Locksmith with a revised Drainage strategy (drg. 0007 Rev.P03), a revised Details drawing (drg. 0010 Rev.P02) and updated drainage calculations to support the amendments. As noted above these are enclosed in Appendix B.

2.3 These revisions included the following changes:

Drawing 0007:

A- 1.5m wide safety benches added to all basins, and water depths reduced to less than 1m where necessary. Basin 3a sized adjusted accordingly.

B- Additional detail added to strategic swale detail

C- Inclusion of a highway swale detail

D- Inclusion of a worst-case simple index approach calculations

E- Inclusion of notes on highway swale size, length and retention times.

Drawing 0010:

F- Inclusion of 1.5m wide safety benching

G- Inclusion of inlet forebays

H- Inclusion of incoming pipe levels

Revised drainage calculations to reflect the benching that had been added to the basins and demonstrate that the appropriate water levels have now been achieved.

2.4 This additional material demonstrates, using the simple index approach, that surface water runoff from the main distributor road is adequately treated in the worst-case scenario.

2.5 This additional material provides extra notes on the highway swales to clarify their size and further detail on the cross section to demonstrate their implementation.

2.6 This additional material provides clarification on basin sizes and calculations supporting the strategic and highway swale design showing that the appropriate water depths in basins 3a and 3b are achievable.

2.7 Following the receipt of this material Mr Locksmith provided helpful feedback and subsequently requested additional calculation reports for clarification. These were requested and submitted on 09.01.25. As noted above these are enclosed in Appendix C.

2.8 This additional material provided clarification on the swale retention time calculations and their ability to provide adequate surface water treatment.

2.9 At the time of writing, SCC have confirmed receipt of the material, but no further response has been received.

2.10 In my view, the accompanying information appropriately covers the LLFA's outstanding points, without changing any of the principles set out in the the Drainage Strategy submitted as part of the Outline Planning Applications.

3 APPENDIX

A – CORRESPONDENCE BETWEEN SCC AND APPELANT

B – SUPPLEMENTAL MATERIAL PROVIDED ON 08.01.25

C – SUPPLEMENTAL MATERIAL PROVIDED ON 09.01.25