

Our Ref: 600902-9201/ST/V01

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Tuesday, 25 February 2025

Dear Sir or Madam,

Twycross Zoo – Surface and foul water drainage proposals

The drainage proposals for the above development are detailed within the following design drawings and documents:

- TWZ-HEX-XX-XX-DR-C-9200-Surface Water Drainage Layout Sheet 1 of 2_P03
- TWZ-HEX-XX-XX-DR-C-9201-Surface Water Drainage Layout Sheet 2 of 2_P03
- TWZ-HEX-XX-XX-DR-C-9202-Foul Water Drainage Layout Sheet 1 of 2_P02
- TWZ-HEX-XX-XX-DR-C-9203-Foul Water Drainage Layout Sheet 2 of 2_P03
- TWZ-HEX-XX-XX-DR-C-9212-Drainage Details Sheet 3_P01
- TWZ-HEX-XX-XX-DR-C-9410-Catchment Plan_P02
- 600902 - SW Network_V2 (Hydraulic calculations)
- 600902-Twycross CBR & Infiltration tests mark up
- 150125-04 CSJ Construction Twycross Zoo Burton Road Atherstone (infiltration results)

These drawings have been prepared fully in accordance, and should be read in conjunction, with Flood Risk Assessment and Drainage Strategy report (21440-CCL-XX-XX-RP-C-001 Rev 1 by Clancy Consulting Ltd) previously submitted as part of an approved planning application for the development (23/00948/FUL).

We also comment further as follows:

- We are proposing to make a new connection to the existing watercourse on site
- There is also an existing surface water outfall pipe into this watercourse which will be retained as shown on the plan drawings, although the pipework upstream of this will be diverted to suit the new site layout
- Soakaway testing has been carried out for the car park and proved unsuccessful, so we have connected this area into the attenuation tank
- In terms of the surface water management during construction, it is planned to install the attenuation tanks at an early stage of “enabling works”, meaning all subsequent drainage which is installed is connected to the tank, so that at no time flows are allowed to enter the watercourse unattenuated
- It is planned, as part of the early works, to install the permeable paving construction up to the macadam base course layer to allow trafficking during the construction phase. This will adequately treat the surface water runoff onto these areas before discharge to the attenuation tank. Surface water from other areas in the construction phase, will be treated via other means, for example via temporary filter drains.



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If you have any questions or need further clarification, please do not hesitate to reach out.

Yours faithfully,

A handwritten signature in black ink, appearing to read "Scott Thompson".

Scott Thompson
Principal Engineer
0781 363 5747

For and on behalf of Hexa Consulting Ltd