

## LAND NORTH OF GROBY ROAD, ANSTEY

### DRAINAGE STRATEGY TECHNICAL NOTE 15 MARCH -2021

#### Introduction

1. Davidsons Developments Limited appointed ADC Infrastructure to conduct a joint Flood Risk Assessment and Drainage Strategy report in support of a residential development on land north of Groby Road, Anstey.
2. The Flood Risk Assessment and Drainage Strategy report (ref: ADC1468-RP-G-v2) was submitted to the Lead Local Flood Authority (Leicestershire County Council) under the planning reference **P/20/2251/2** and their response dated 17<sup>th</sup> February 2021 is summarised below.

#### LLFA comments on drainage strategy

3. The response from the LLFA requested the following information:

*details demonstrating the connectivity from the ditch on the southern boundary of the site are necessary. Should surface water discharge into a Severn Trent Water (STW) sewer here, evidence would be required demonstrating consultation with STW with support in principle.*

#### Response to LLFA comments

4. The principal LLFA comment states that further details are needed to demonstrate connectivity from the site's proposed surface water outfall to the wider catchment.
5. The proposed surface water outfall location is a drainage ditch which flows along the eastern boundary of the site. The drainage ditch is shown to outfall to a culvert which is located beneath Groby Road. The culvert then conveys surface water beneath Groby Road to another drainage network to the south. This drainage network then continues to flow in a southerly direction until it forms a confluence with The Rothley Brook.
6. Figure 1 overleaf demonstrates the headwall of an existing culverted pipe to the south of Groby Road, this existing culverted pipe beneath Groby Road connects the proposed surface water outfall and ditch on the northern side of Groby Road to the southern ditch network.



Figure 1: An image demonstrating the connection between the proposed surface water outfall and the drainage network to the south of Groby Road.

7. Figure 2 demonstrates an extract taken from the proposed drainage strategy ADC1468-DR-502. This has been overlaid with additional details on the connection of the proposed outfall ditch to the wider catchment.



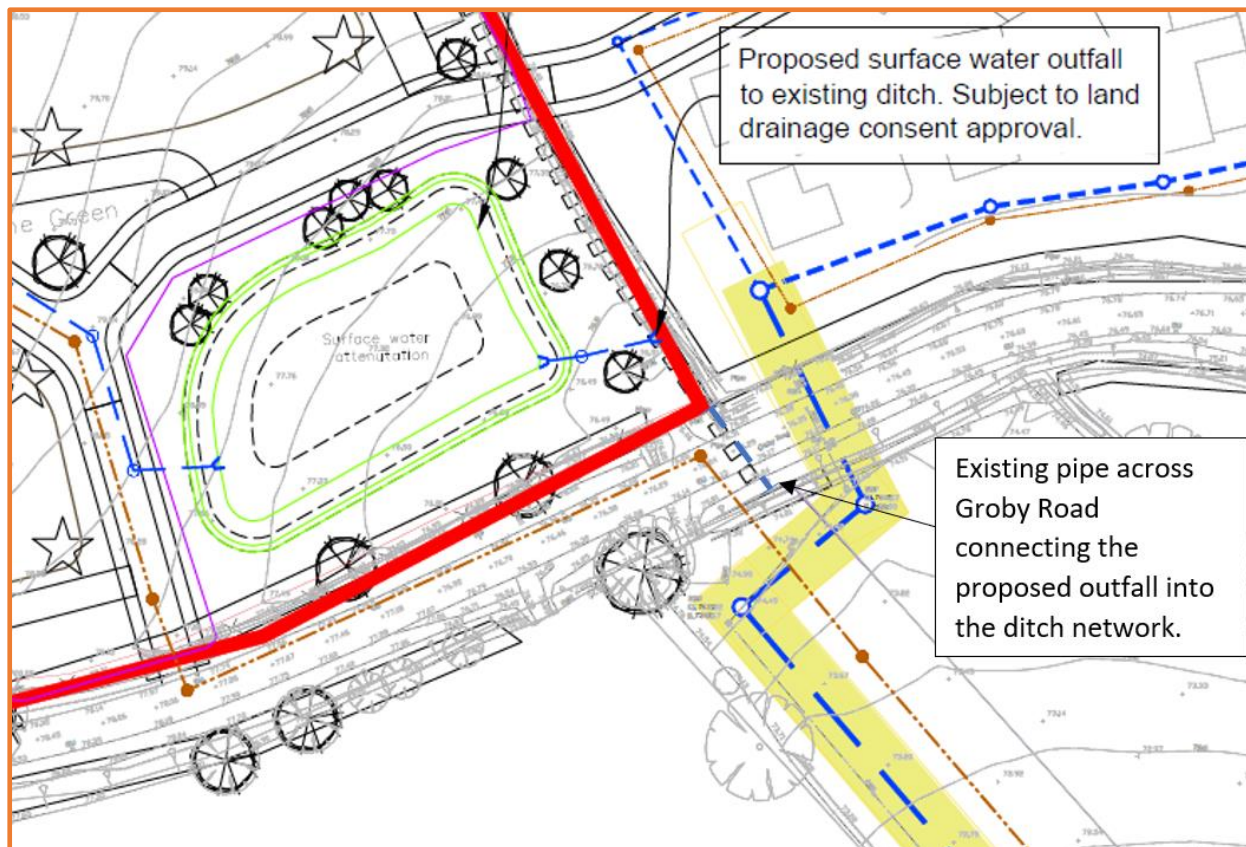


Figure 2: An extract from the proposed drainage strategy demonstrating the connection of the proposed outfall ditch to the wider catchment.

8. The figure highlights the location of the existing connecting pipe in its route across Groby Road and its outfall via the headwall to the south of Groby Road into the existing ditch network.

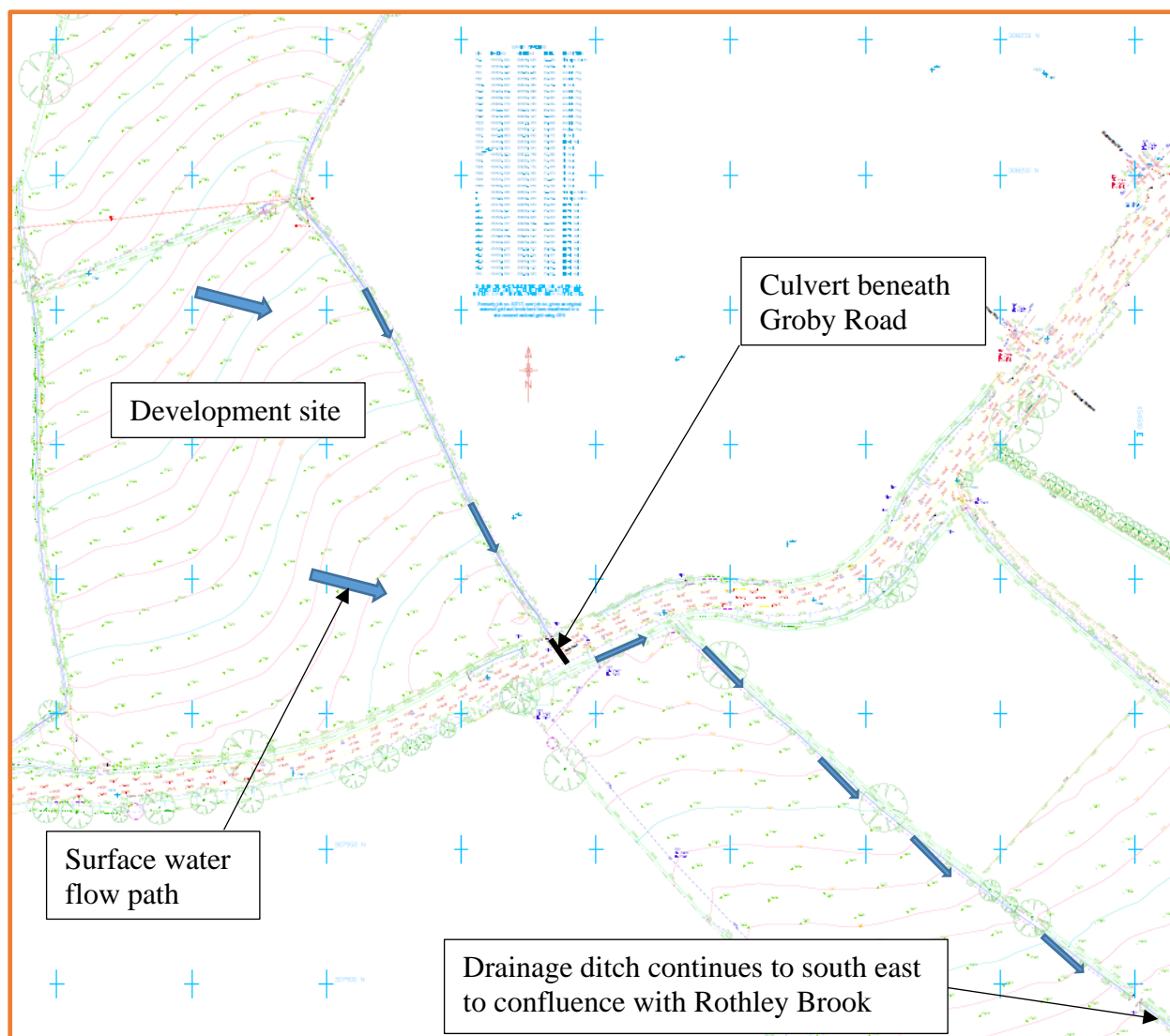


Figure 3: An extract from the topographical survey demonstrating the drainage route to the Rothley Brook

9. Figure 3 demonstrates the drainage route for existing surface water runoff from the development site to the Rothley Brook. This drainage path is replicated by the development site proposals.

### Conclusion

10. The clarification provided in this technical note addresses the comments raised by the LLFA and confirms the connectivity from the proposed surface water outfall location to the wider catchment.
11. This has been confirmed via evidence of a culverted pipe under Groby Road which emerges as a headwall and discharges into a drainage network which ultimately outfalls into the Rothley Brook to the south of the proposed development.
12. Surface water is not proposed to discharge into a surface water sewer therefore further consultation with Severn Trent Water is not necessary at this stage.