

**Consultation Response from KC,
 Lead Local Flood Authority**
2021/93674 Greenhead College, Greenhead Road, Huddersfield, HD1 4ES
Partial redevelopment of Greenhead college including demolition and making good, erection of 2 and 4 storey buildings, reconfiguration of parking and access arrangements, reconfiguration of sports provision and other associated external works (Within a Conservation Area)
**Date Responded:
 27/10/2021**
**Responding Officer:
 Martin Stephenson**
**Responding Ref:
 0**

Drainage comments

The proposed discharge rate of 149 l/s to YW sewer (equal to a 30% betterment on existing flows) is acceptable to the LLFA

However, the MicroDrainage Calculations and drainage drawing ref: NE8659-CCS-ZZ-XX-DR-D-0501 are not acceptable due to the following:

1. The simulated maximum water levels in the MHs for the critical 1 in 100 year storm (plus 30% CC) are not provided in the calculations.
2. The volume of flooding (if any) produced by the critical storm is not shown in the calculations.
3. The rating and size of the hydrobrake on the outlet from the storage tank (SW08) is not indicated.
4. The PN numbers in the calculations are not indicated on the drainage plan making cross-referencing very difficult.
5. The calculations indicate several hydrobrakes with outlet diameters less than the acceptable diameter of 75 mm – these small diameter outlets will be prone to blockage and should be avoided.
6. The outlet from MH SW 14 connects to the YW sewer in Greenhead Road without any apparent attenuation. (Note that the flow through this MH can discharge at an unattenuated rate provided a compensatory reduction is made to the main outlet to the sewer in Park Drive South).
7. Exceedance flood routing plan.

Note that plan will be required showing temporary drainage measures (i.e. during construction following site strip/demolition) – this can be provided now or be part of the planning conditions

Kirklees Flood Management and Drainage, as the Lead Local Flood Authority (LLFA), OBJECT to this planning application and require FURTHER INFORMATION is provided on the following:

Revised MicroDrainage calculations as noted above
 Additional information added to the drainage drawing as noted above
 Flood routing plan