

**Consultation Response from KC,
Lead Local Flood Authority**

2024/93605 Land at, Main Avenue, Cowlersley, Huddersfield, HD4 5US

Erection of 57 dwellings with access from new through road connecting Main Avenue and Windsor Road, and associated works, including engineering and landscaping

Date Responded: 7th February 2025

Responding Officer: Paul Farndale

Responding Ref:

Kirklees Flood Management & Drainage acting as LLFA, requires FURTHER INFORMATION before making an initial decision on the application.

We accept that infiltration techniques for the removal of surface water are not suitable for this development. We would object to a pumped solution to watercourse as identified would be required due to attenuation requirements and the shallow depth of the receiving system. We therefore hold no objection to discharging surface water to the public combined sewer at a restricted rate of 3.5l/s as stipulated by Yorkshire Water.

The WYCA guide to SUDS is now out of date and Kirklees climate change requirements default to NPPF and associated guidance. For this a 45% uptake is required. As the 1 in 100 year + climate change critical event is being stored, there is no requirement for urban creep. This should be analysed to provide indicative drawings, at the very least, that show that space has been made for water in the proposed layout.

We note that a survey of the watercourse running from site at the eastern boundary has been attempted indicating some capped off land drainage but with the main run obstructed. As land drainage from the site will need to connect in at this point, a full downstream survey of the culverted section of the watercourse is required to show that it is fit for purpose (this will form part of the flood risk assessment). For a site of this size, the survey should extend to the first open section located at 67 Warneford Road (see attached).

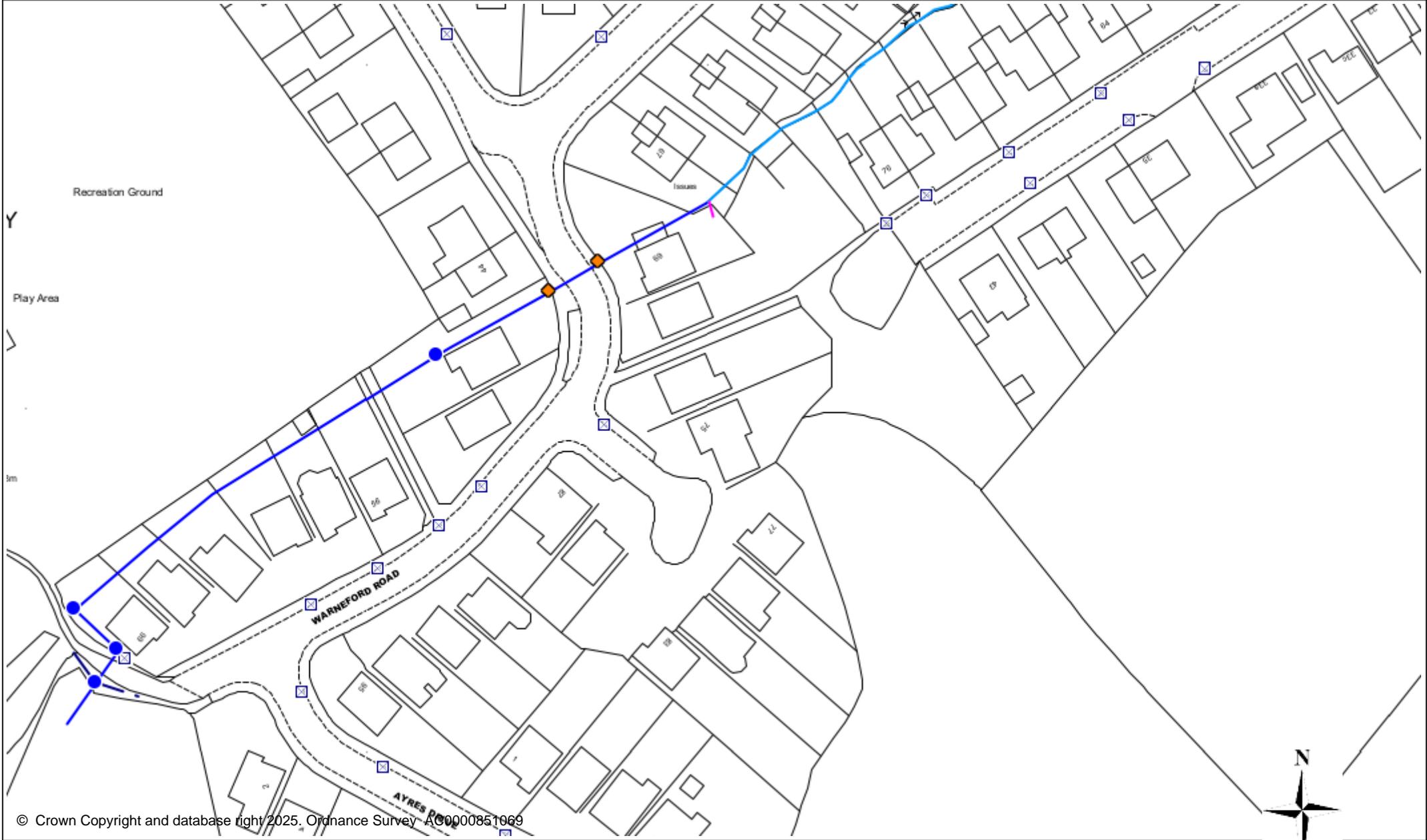
An examination of historical OS Maps shows a cluster of buildings toward the eastern boundary named 'Jubilee'. A well is clearly shown and in line with the downstream watercourse. The 1933 map is included as an example. Kirklees would like the applicant to determine the depth of the system as it leaves site and perform the excavation of slip trenches at the well location and upstream at several intervals including the western boundary with Main Avenue. Kirklees Council has previously noted overland flows (flows escaping?) along this low valley within the site in addition to water running south to north. The presence of existing systems must be fully investigated.

Kirklees Council has also witnessed flooding from gullies at the end of Main Avenue and will investigate this ourselves to ascertain what system they are connected to. There is anecdotal evidence of a culvert in a verge in Main Avenue and an abandoned manhole independent of the combined public sewer is still present within the road itself.

The LLFA is concerned about levels to the south of the development with a clear valley running toward retaining walls. This low spot does not coincide with the step identified as flow route. A layout review is required as should be the potential to include positive land drainage from the perimeter of the site.

Some plots on the northern side of the access road may need lifting slightly to ensure all driveways fall back toward to the road, in the interests of safe flood routing.

warneford road



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Scale = 1:952.560

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