

Glenn Lee

Good morning,

Apologies for not responding sooner.

Having looked at the information you have supplied, I have no issue with agreeing to the proposal in principle.

Many thanks

***** External Mail *****

Hi Chris,

Further to my email below, is there any chance you can review and provide any comments?

Many thanks

Regards

Max Collis
Director of Engineering



Hi Chris,

Hope you are well?

Further to your attached correspondence in relation to the above proposed development, we are seeking to obtain confirmation in writing that DCWW are happy to accept the proposed SW drainage outfalls.

Existing Arrangement

The site is Brownfield and the attached 'Existing Drainage Plan' indicates that all SW runoff from the site currently discharges (unrestricted) into unadopted combined systems serving the existing houses and then into the existing DCWW combined sewer in Heol Crwys / through the site. The approximate discharge rates for various Return Periods are shown for each existing sub-catchment.

The 'Existing Drainage Plan' is based on DCWW records and CCTV survey information (also attached).

Drainage Proposals

Separate foul and storm networks are proposed as indicated on the attached 'Drainage Strategy Plan'.

SW runoff from 1 – 29 is proposed to outfall to the existing DCWW storm sewer, subsequently removing all storm flows associated with this eastern catchment from the existing DCWW combined system. The proposed discharge rates into the existing storm sewer are summarised on the attached 'Drainage Strategy Plan'.

SW runoff from the eastern part of the site (Plots 30 – 39) is proposed to outfall to the existing DCWW Combined Sewer as per the current scenario for the entire site, however, SW flows from these plots will be restricted using flow controls. The 'Total Catchment' figures set out on the Drainage Strategy Plan confirm the proposals will result in significant betterment to the existing DCWW Combined System.

Drainage Hierarchy

Infiltration - Geotechnical Engineer has recommended infiltration / soakaways are not used (see attached extract from SI report prepared by Integral Geotechnique)

Watercourse - There is no watercourse within a reasonable / practical distance from the site.

Storm Sewer - As above, runoff from Plots 1-29 is proposed to outfall to the DCWW Storm Sewer. However, due to levels and topographical & layout constraints it is not feasible to discharge runoff from plots 30-39 to the storm sewer. Hence it is therefore proposed to the existing combined sewer.

Given the above and the current existing unrestricted connections to the combined network, it is considered the proposed strategy is suitable and will provide betterment to the DCWW combined network.

We would be grateful if you can review the attached information and provide your thoughts on the proposed SW outfall arrangements.

Ultimately, to support our full SAB application we need to demonstrate these storm outfalls have been agreed therefore any written confirmation you can provide would be greatly appreciated.

Happy to discuss in more detail over the phone or on Teams if needed.

Thanks

Regards

Max Collis
Director of Engineering

