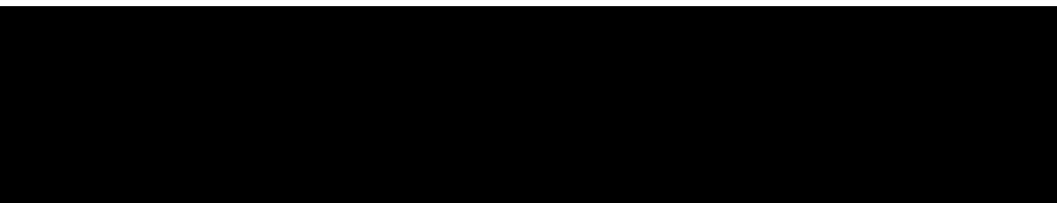




Please upload the email below which is a further consultation response from **ADC Drainage Engineers** to discharge of condition application **LU/90/20/DOC** – Hampton Park.

Thanks,

Michael



Rob

Comments;

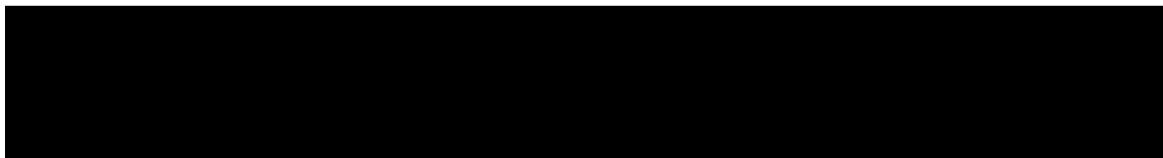
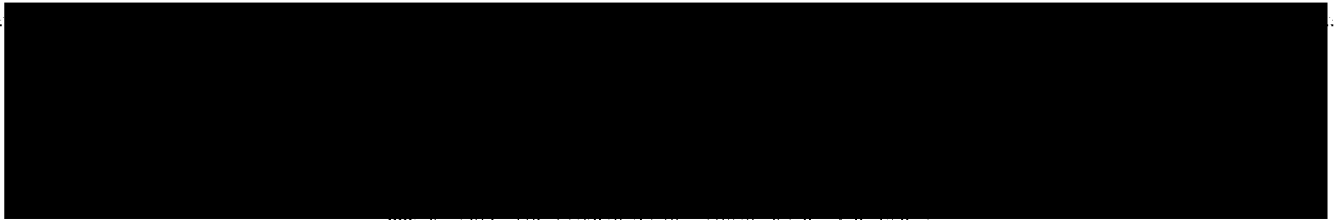
1. CP1 and CP2 (catchpits) on the manhole schedule drawing need to refer to a catchpit detail, not a type B manhole.
2. Provide non adoptable manhole construction details.
3. Provide channel drain construction details/spec.
4. Hydrobrake chamber HB01 construction detail – connect incoming 150mm connection from permeable paving at soffit to soffit level with 300mm pipe inlet.
5. Hydrobrake chamber HB02 construction detail – plan view shows incoming 900mm pipe as opposed to 300mm and 1.8m dia rings as opposed to 1.5 dia. Incoming 150mm connections to connect soffit to soffit with 300mm pipe. The gully that is connecting against flow and above hydrobrake is not ideal but willing to accept it in this instance (Section A-A shows it in a different location to the plan view?)
6. Both hydrobrake chambers – show base thickness/reinforcement details.
7. Existing manhole SW03A – just upstream of SWA2_01 – what is its purpose? Invert level is lower than the downstream manhole. Please clarify if it is required and adjust as necessary.
8. The SDS tanks construction drawing appears generic and not site specific ie. perforated pipes shown running through tanks (and not show on layout plans – in fact the configuration of pipework entering/leaving tank CS2 cannot achieve this arrangement without an undesirable pipework arrangement. Also, hydrobrake

chambers are shown immediately downstream of the tank. With the vent pipe arrangement shown, the manholes being connected to will require vented covers.

9. Specify pipe materials for non-adoptable drainage. Please also confirm that the pipe bedding construction details also apply to non-adoptable drainage.
10. Drawing 122 shows a duplicate manhole downstream of immediately downstream of SWA2_01.
11. Show pipe gradients on all non-adoptable drainage.
12. Items 11 and 12 of my previous email – please advise where these notes have been added. Also, saddle connections were not requested and reference should be made to oblique 45 degree junctions.
13. Where pipes of differing diameters are connecting to one another, the differing invert levels still need to be shown as requested (applies to both adoptable and private drainage).
14. Calculations – Network no.1 is showing flooding on the 1 in 100 year + 30%. It will need to be proven that flood water can be accommodated on site without detriment to property/access. It is concerning that the flood levels at pipeline 1.000 is much higher than the potential cover levels in the plots immediately west (ie. plots 10-12, not to mention the floor level of plot 10). This needs serious consideration.

Regards

Paul Cann
Principal Engineer (Drainage)



Hi Michael and Paul

Here's the link to the updated documents (the transfer expires in 6 days):

<https://we.tl/t-GPxbf0SiPB>

And for ease, I attach the report responding to Paul's comments.

Paul, I trust the information answers your queries but if you have any questions, please don't hesitate to get in touch.

Kind Regards

Rob

Robert Clark



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