Sent: 04 August 2023 11:42

Subject: RE: Clough Road, Slaithwaite 2023/90157 - Drainage

I have had an opportunity to review the drainage drawing no. 1311-900-P1.

I have taken a cursory review of this drawing and I would like to make the following comments: -

- Pipe run no. 2 (MH no. S7 to S14) has an internal diameter of 1000m, which is not acceptable as the maximum is 900mm;
- The storm water run is located within the centreline of the proposed carriageway. If this pipe was to be maintained in the future it will mean the whole carriageway being taken up and a requirement for a road closure- this would not be unacceptable. It must also be noted the same issues will result if the pipe sizes were to be increased for capacity purposes when any revisions are made;
- Reviewing the Microdrainage data, pipe no. 1.007 is subject to flood risk. The pipe diameter could potential be increased;
- The utilisation of pipe with an internal diameter greater than 900mm would require an AIP. However, the usage of this size of pipe will also require oversized manholes too that would be subject to a full structural check. Specific advice from Farhad in relation to this must be sought.
- The proposed system surcharges for a 1 in 100-year event, to remedy this it will need to increase all pipe sizes beyond 900mm diameter, which in turn make this whole S38 road unadoptable given reasons already stated.

Given the above. Our current recommendation would be to advise the developer to keep the road private if separate online storage is not integrated to reduce pipe sizes.

Regards,

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