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OUR REF: 126/21/SMJ

7th April 2021

RE: DEVELOPMENT OFF DINAS LANE, LIVERPOOL, L36 2NL.
DRAINAGE STATEMENT.

The proposed development, consists of two blocks of apartments fronting Dinas Lane, Knowsley Council planning approval 18/00237/FUL.

Drainage

On site drainage based on Pre Development Enquiry response, UU Ref 4200038599.

Foul Drainage.

It is proposed that the foul drainage from the new development will discharge into the existing 225mm dia Foul sewer in Dinas Lane.

The new foul sewers on site will be to remain private. See Drg 126/21/D100.

Surface water drainage.

Under current guidance a hierarchical approach for the disposal of surface water is required and is as follows:-

1. Soakaway's / infiltration.
2. Watercourse / ditches.
3. Surface Water / combined sewers

1. Soakaway's / infiltration.

Trial pitting has been carried out on site and has confirmed the site is made up of hardstanding overlaying sandy gravelly clay. Soakaways are not considered feasible and have been discounted.

2. Watercourse / ditches.

There are no watercourses or ditches abutting to the site.

3.Surface Water / Combined Sewers.

There are the heads of two 225mm dia surface water sewers in Dinas Lane opposite the site, one heading south along Dinas Lane to Page Moss Lane the other heading North to cross Liverpool Road.

It is proposed to connect the surface water to the system going south at MH Ref. 4701.

The surface water system will be restricted to a maximum pass forward of 5L/second with the remaining discharge being stored on site. The design will incorporate all storm frequency up to and including 1 in 100 year plus 40% for climate change.

It is proposed that the onsite surface water system is to remain private. See Drg 126/21/D100.