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OUR REF: 113/24/SMJ

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RE: LORD STREET BURCOUGH, ORMSKIRK L40 4BZ.
DRAINAGE STATEMENT.

We have been asked by Baldwin Design, to provide a drainage statement for the proposed residential development.

The proposed residential development consists of three new build semi-detached properties built on an existing developed site.

Drainage

Foul Drainage.

It is proposed that the foul drainage from the new development discharges into an existing 150mm dia combined connection from the site to the existing 225mm Dia combined sewer in Lord Street.

The new foul drainage system for the properties is to remain private as detailed on drawing number 113/24/D100 Private Drainage Layout.

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.

The Geology map for this location indicates topsoil over clay. Therefore, soakaways have therefore been discounted, until a site investigation has been carried out.

2.Watercourse / ditches.

There are no watercourses or ditches abutting to the site.

3.Surface Water / Combined Sewers.

There are no surface water sewers adjacent or near the site, it is therefore intended to discharge the surface water to the existing combined connection from the site at a restricted rate.

The discharge rate will be restricted to a pass forward rate of 5 L/second to the existing 150mm dia combined connection.

The extra-over, flows generated by the required hydraulic design criteria, to be stored on site in flow attenuation crates, with the discharge being controlled by use of a hydrobrake in the last manhole, before connecting into the existing 150mm Dia combined connection.

The on-site surface water drainage system to be designed to accommodate all storms in the range of 1 in 30 year + 10% for urban creep and a check against 1 in 100 year storms with 40% added for climate change.

See Drg No : 113/24/D100 Private Drainage Layout.

It is proposed that the onsite surface water system is to remain private and maintained by a management company with each resident having equal shares in the company.