



Lead Local Flood Authority
Lancashire County Council

Dear Sir/Madam,

I am writing to discuss the drainage proposal for Gisburn Auction Mart.

The hierarchy of run of destinations favours infiltration and discharge into a watercourse. However, infiltration doesn't work which is proven by the existing drainage and there are no nearby water courses to discharge into.

Following these is a connection into surface water sewer. Currently we suggest a pumping station to pump surface water into an inspection chamber which then leads to an existing surface water manhole on the A59 via a gravity connection

Please see the below images

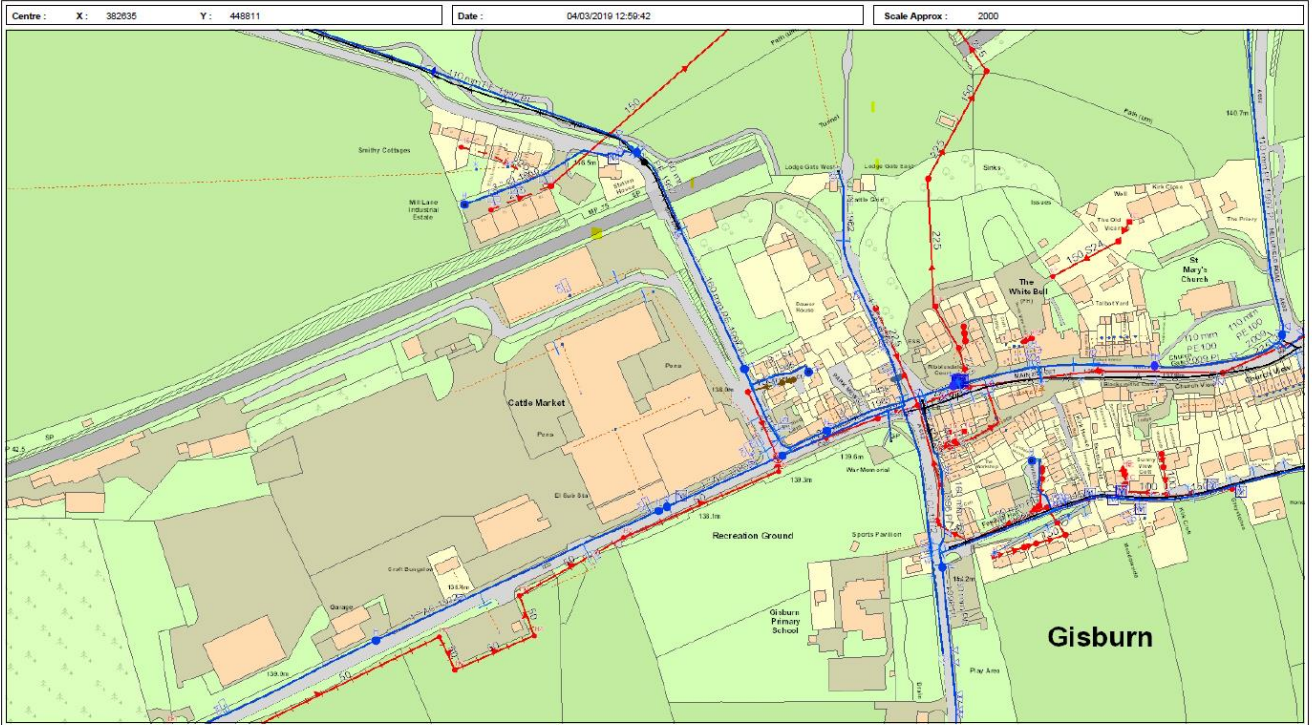


Mill lane. Photo 1

This illustrates existing drainage on mill lane extending over the railway bridge within the bridge deck structure. This corresponds with United Utilities Records.



United Utilities Maps for SafeDig



Extract from maps of United Utilities' Underground Assets
 The position of the underground apparatus shown on this plan is approximate only and is given in accordance with the best information currently available. The actual positions may be different from those shown on the plan and private service pipes may be shown by a blue broken line. United Utilities Water will not accept liability for any damage caused by the actual position being different from those shown.
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United Utilities record of existing sewer. Photo 2

We would anticipate the invert level to be a maximum of 1m below cover.



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Auction Mart Access Adjacent to Mill Lane. Photo 3

This photo shows eastern boundary of the auction mart site. As shown the levels reduce significantly as the track heads north.

At the location where any proposed gravity connection could be routed around the northern elevation of this existing auction mart building. It's expected that levels would be 2m lower than any existing sewer in mill lane.

United utilities guidance states that minimum flow rates discharging into a public sewer are required to be 5l/s..

Based on the above site proposals, the discharge of surface water flows from site are to be restricted and attenuated to 5l/s. This is to be achieved using a package pumping station and a cellular attenuation tank, prior to discharging into the existing surface water public sewer within the A59.

Kindest regards,

Alex Collier
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