

## Rondin Road, Manchester



<b>Client</b>	Arcadis Consulting UK Ltd
<b>Program</b>	December 2022 & January 2023
<b>Value</b>	£51K
<b>Role</b>	Site investigation contractor
<b>Works undertaken</b>	Rotary drilling, in-situ testing, cable percussion drilling, engineers' logs, laboratory testing, factual report
<b>Geology</b>	Made Ground, Glacial Till, Halesowen Formation. Possible limestone mine workings

### The Contract

Investigation to provide information with specific regard to any potential risk from possible limestone workings associated with the proposed infilling works to the rail bridge.

### The Challenge

The main challenge on site was to coordinate the movement of site investigation equipment around a tightly confined site with various obstacles including steel protruding from the ground. Compacted made ground and a high water table further restricted progress and several borehole locations had to be relocated.

A further challenge was faced when the temperatures around the UK dropped to -10° with associated weather warnings. With such low temperatures, the rigs struggled to operate optimally and working conditions were difficult for the site staff.

### The Solution

Planned vehicle and rig coordination was carried out, as well as communication with the principal contractor, to allow ease of movement and safe working areas.

Due to the extreme cold weather along with the Christmas shutdown, site works were postponed by the principal contractor for a return date in January 2023 when all work was successfully completed.

The investigation encountered potential limestone mine workings. Careful liaison with experienced CCGI geologists assisted in the identification of these zones.

