M253 BIRMINGHAM UNIVERSITY

Client:
Birmingham University

Summary:
Connection to existing sewer on a new building at the university

Programme:
September 2018

PROJECT DETAILS

A new building at Birmingham University required a connection to the existing surface water sewer in the adjacent road. At the proposed point of connection the existing sewer ran through a reinforced concrete culvert that was previously used to allow a canal to pass below the road. The culvert was backfilled when the canal had been removed. Throughout the works the live road above had to remain unaffected.

Our works included a 6m long x 4’ diameter hand excavated steel pipe jack along the existing RC culvert.

Cut into and install a saddle connection on to the existing sewer. Installation of the new DN150 pipe through tunnel and filling of the tunnel with foamed concrete. The steel jacking pipes were manufactured to our specification to allow them to be jacked from a short drive pit.

Ground conditions: MADE - dry sand, bricks, concrete and stone granular fill.