

Case Study

RPS Group

Location: Multiple sites in Milton Keynes

Development: Forensic Subsidence Investigations

Over the last twenty years, ListersGeo has been commissioned to undertake numerous forensic soils investigations at various residential buildings throughout the Milton Keynes area. The purpose is to investigate the causes of structural damage to the buildings.

ListersGeo carries out strategic intrusive ground investigations consisting of continuous tube sampling, dynamic probing and hand dug foundation inspection pits to reveal the existing foundations and provide detailed information on the ground conditions below the affected property. Geotechnical desk studies are also undertaken to identify possible causes of damage.

The causes of structural damage to low rise domestic properties in the Milton Keynes area are often identified as clay soil desiccation, although some investigations have identified other causes such as infiltration of water into the ground from leaking drains and mains water supplies, slope stability issues and historical non-standard building construction. In some cases a number of contributing factors have been identified.

Clay soil desiccation is identified using a number of different techniques using our in-house geotechnical laboratory GroundTech and normally includes intensive soil classification testing, strength testing and soil suction profiling.

Once the cause of the damage has been identified, a potential range of remedial measures are provided to the Client to establish the most cost effective way to stop the foundation movement and allow repairs to the structure to be undertaken.



Please call us for any ground investigation or related advice on

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