

## CS013 BARNETBY SIDINGS



<b>CLIENT</b>	Ridge & Partners LLP
<b>DATE</b>	Spring 2023
<b>ROLE</b>	Principal Contractor
<b>WORKS UNDERTAKEN</b>	4x 20m Rotary Boreholes 21 Trial Pits 3 soakaways 35 Dynamic Cone Penetrometer DCP TRL Probe
<b>GEOLOGY</b>	Made Ground, Superficial Glacial Deposits, Kimmeridge Clay Formation (mudstones)
<b>DELIVERABLES</b>	Factual Report



### The Contract

As part of Network Rail improvements, work is to be carried out to deliver a new Rail Delivery Unit comprising offices, storage compounds and associated access roads. The purpose of the investigation was to classify made ground and superficial deposits and confirm the depth and characteristics of bedrock for foundation design.



### The Challenge

As an active site commercial vehicles were continually parked and moved around the site. During its historic use the site had been built up with site won materials making the engineering geologists' task of distinguishing between the made ground and natural boundary difficult. Further, the site location meant that it was an exposed site, where the weather was felt with full force!

### The Solution

Planning vehicle and site location movements with the site user, along with Tool Box talks from our site supervisor explaining both the commercial implications and the hazards associated with the commercial vehicle movements was key. Developing the conceptual ground model as data was collected helped to understand the depth of made ground relative to surrounding, natural terrain.

