



Environmental  
Geotechnical  
Specialists



COMPREHENSIVE GEOTECHNICAL & ENVIRONMENTAL ENGINEERING SERVICES  
DELIVERED USING OUR OWN DRILLING RIGS / CREWS / SOILS LAB / ENGINEERS

## CASE STUDY 08

# Catterall

### // BACKGROUND

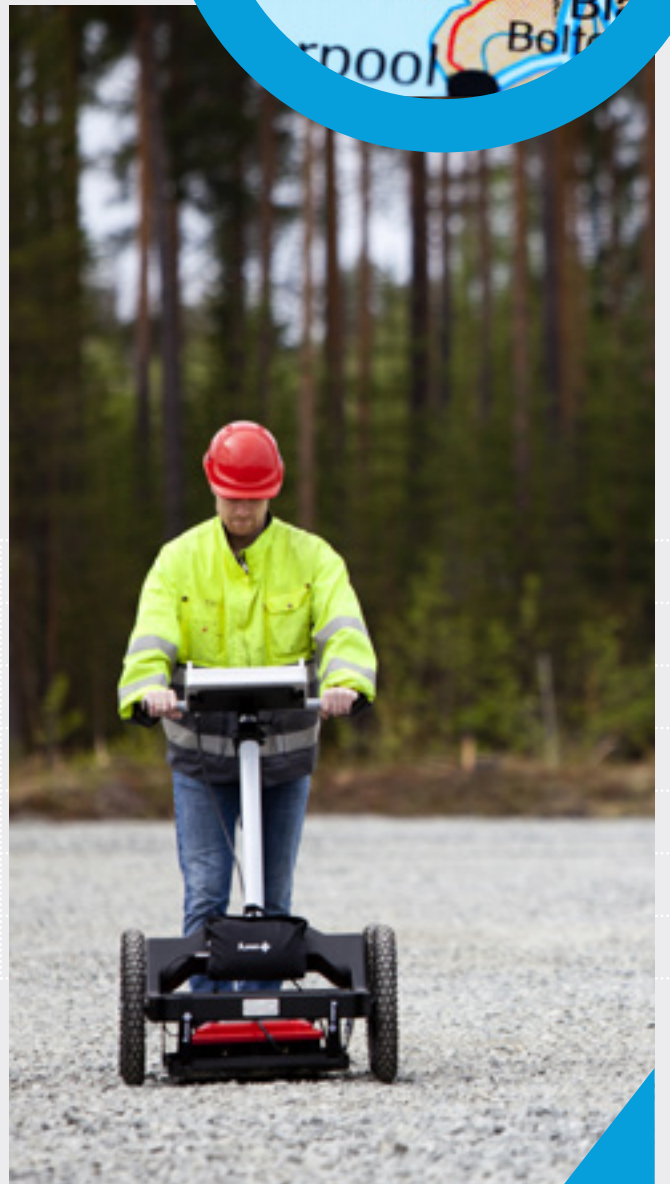
This project was completed under a specification provided by our client, Volkerstevin in a formal tender process.



### // SCOPE OF WORKS

The technical requirements included provision of:

- GPR survey of location positions
- 8 No. cable percussive boreholes to depths between 10m and 35m bgl, with SPTs, thin walled undisturbed sampling (OS-T/W samples) and piston samples where required
- Rotary coring in 3 No. holes from rockhead to 35m bgl
- Installation and readings of 2 No. inclinometers to depths of 20m and 35m bgl
- Borehole logging to BS5930
- Laboratory testing
- Post fieldworks monitoring – 12 months.
- Completion of factual report
- Works were on a flood embankment and within a flood basin and therefore extensive trackway was installed to enable access to the positions, and we were working under a flood warning and emergency evacuation procedure. The land was also owned by a third party farmer/landowner and works were carried out under licences issued by the Environment Agency.



## // DELIVERY TIMELINE

Date	Period	Action
18 Jan 2021	15 days	Mobilise to site. Drilling works with daily drillers logs.
15 Feb 2021	5 days	Compile engineers logs at RGS, rock core photography, sub-sampling etc.
22 Feb 2021	2 days	Client scheduled lab testing and issue instructions to RGS.
24 Feb 2021	10 days	Lab Testing. Subject to any lengthier tests scheduled.
11 Mar 2021	2 days	Compile factual report.



## // PROJECT PERSONNEL

Role	Plant Type / Job Title	Training Qualifications
DRILLING Crew of 2 (x2)	LIGHT CABLE PERCUSSIVE Drilling Rig GEO205 Drilling Rig	All operatives have been trained in the use of the equipment. CSCS, First Aider. NVQ Land drilling (where applicable).
ACCESS PROVISION Crew of 1	TRACKED DUMPER	CPCS (dumper driver)
ON SITE SUPERVISOR	Dan Goodwin (engineer/manager)  Charlotte Campion	EngTech MInstRE AMICE CSCS, First Aider. SMSTS, CAT 4 trained MSc, FGS, CSCS, First Aider, SSSTS.
SUPERVISING ENGINEER	Rob Palmer	MSc, FGS, ACIEH, CSCS, First Aider, SSSTS, CAT 4 trained
PRINCIPAL RGS ENGINEER	Steve Rogers, Technical Consultant	CEng, CGeol, MICE, MCIHT, FGS.
CONTRACTS MANAGER	Emma Lewis, Managing Director	LLB, ACIEH

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