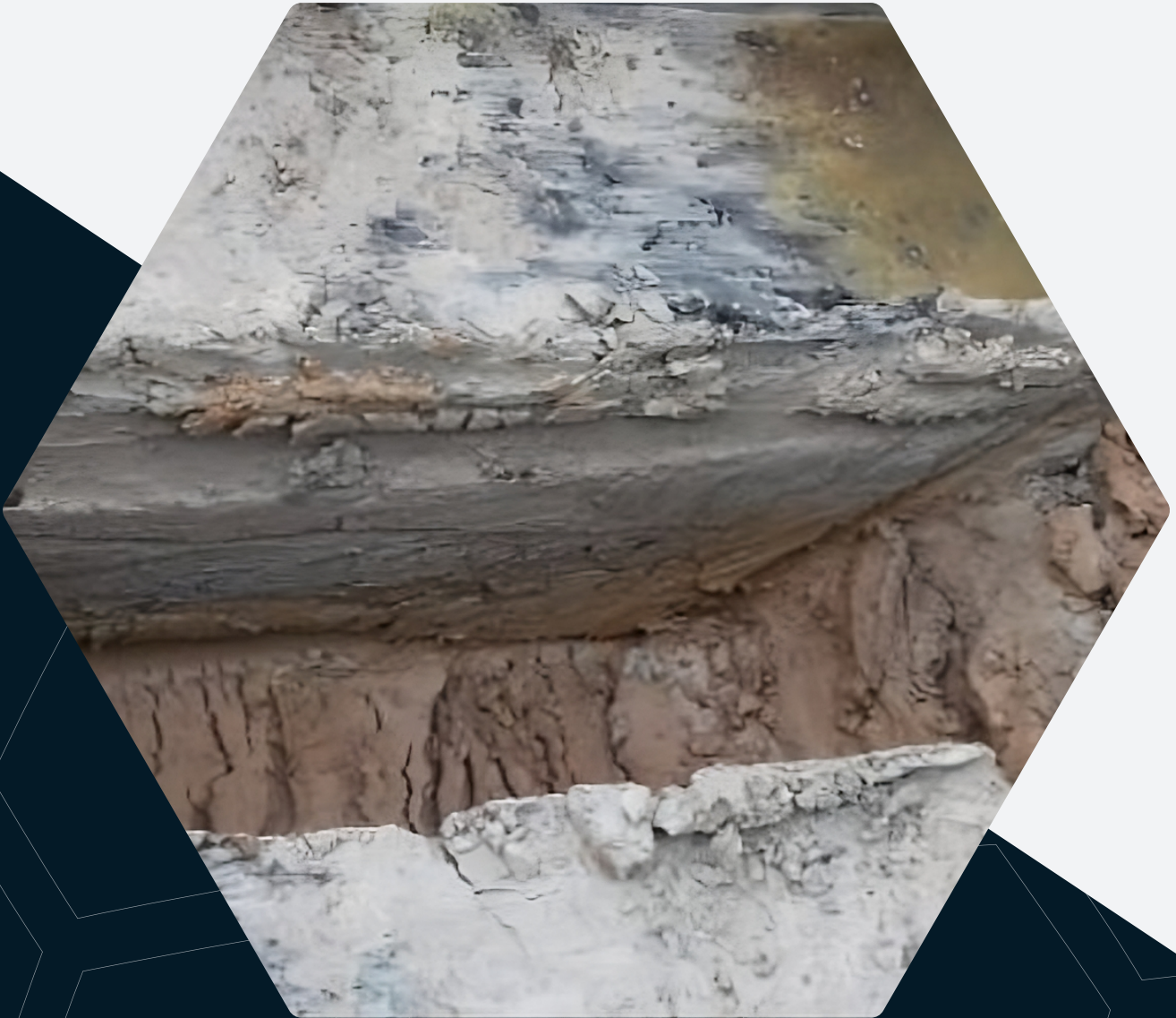




CAUSEWAY
GEOTECH



Project 16-0676

A6 RANDALSTOWN TO CASTLEDAWSON DUALLING



CLIENT

Graham Farrans JV



CLIENT REPRESENTATIVE

ROD Arup JV



SITE OPERATIONS

August to November 2016

Project 16-0676

A6 RANDALSTOWN TO CASTLEDAWSON DUALLING

PROJECT OVERVIEW

Causeway Geotech have been involved in previous phases of ground investigation for this much anticipated road upgrade, and in 2016 were again appointed, this time to undertake the Final Design Ground Investigation.

The scheme involves the dualling of approximately 12km of road between the end of the M22 Motorway at Randalstown in the east, and the Castledawson roundabout in the west. The new road will be predominantly off-line, apart from at the Castledawson end where the existing road is to be widened.

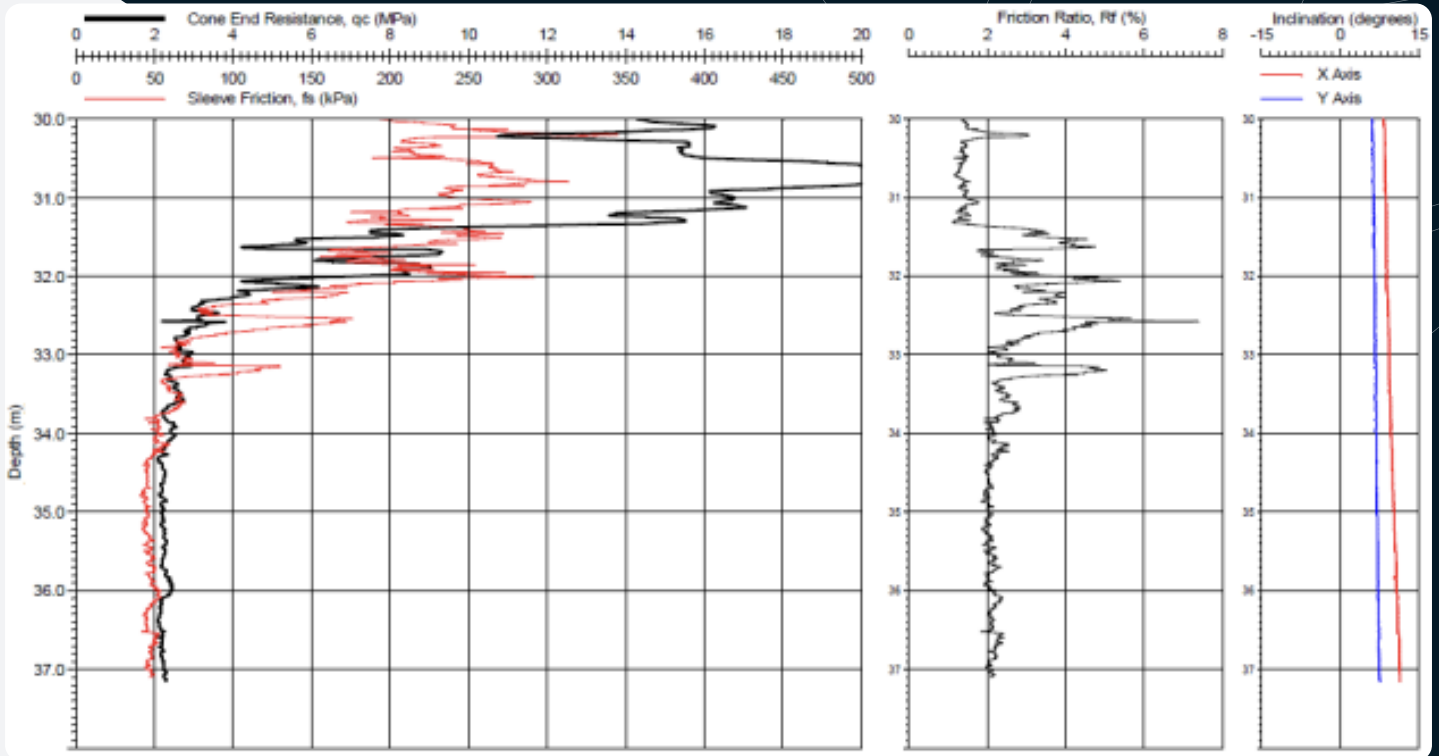
OUR APPROACH

- **58 boreholes** by light cable percussion boring.
- **21 boreholes** by rotary drilling techniques, including Symmetrixcased full hole rotary percussive drilling, and Geobor S wireline coring.
- **30 boreholes** by a combination of light cable percussion boring and rotary drilling.
- Standpipe installations in **57 boreholes**.
- **3 boreholes** by light percussion (dynamic sampling).
- **77** machine-excavated trial pits.
- **173** dynamic probes.
- **9** cone penetration tests.
- Variable head tests in **13 boreholes**.
- **15** plate load tests.
- Factual ground investigation **report**.



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Static Cone Penetration Testing (In Situ Site Investigation): estimates soil behaviour plot

THE PROCESS

Site operations were carried out under the supervision of a team of Site Engineers and Geologists from Causeway Geotech who were based in Toome at the centre of the site.