

Case Study

Service: Plate Bearing Test (CBR)

Location: Beckton Sewage Treatment Works

Client: Erith Contractors

Swantest was contracted by Erith Contractors to conduct plate loading tests on subgrade material forming part of a highway make-up.

Our plate bearing tests verified the quality of compaction and the capability of the material to withstand the imposed loads designed for it.

We were able to complete each test rapidly & accurately providing our clients with a same-day report with calculated CBR values.

Overall, our speed of testing can ensure that there are no needless delays on site, and our results confirm completed works meet the required standards.

On this site visit we completed over 30 tests on newly laid & freshly rolled crushed aggregate Type 1 material. At this time, the site in Beckton Sewage Works was still following decontamination procedures therefore additional PPE and hygiene precautions were of high importance to minimise health risks.

All tests are based & carried out on the requirements of BS 1377: Part 9: 1990; Section 4.1.

Key to images:

1. Beckton Sewage Works – Realignment of temporary road
2. Plate Bearing Test in progress using 20t excavator
3. Typical Set-Up – Steel plate being loaded against undercarriage of excavator & dial gauges measuring the deflections in the plate

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