



TTT SED POLES

TTT SED Poles were used to construct a 3.0m high retaining wall to repair a serious slip affecting a main road. The site was located in Dairy Flat, Auckland.

Project background:

- A main road in Auckland was affected by a serious slip and required urgent remediation.
- The project was completed by the contractor in 2018.

Why use TTT Poles:

- The ground conditions were steep and unstable where the road had collapsed and slipped.
- The site was unstable and needed to be quickly stabilised to ensure the viability of the remaining section of road.
- Site access was difficult and suitable only for lightweight installation equipment and materials. Poles, when compared with steel and concrete alternatives, are lightweight, easily handled, and installed using equipment with a lightweight footprint.
- The customer required a fast installation solution with minimal impact on the remaining road, and little disruption to traffic.
- TTT Poles were identified by the contractor as being the best solution that would satisfy the need for rapid installation using lightweight installation equipment and materials.

How TTT Poles were used:

- TTT SED Poles were ordered by the contractor.
- TTT SED Poles are naturally tapered, machine-peeled poles. Minimal wood is removed during processing so each pole retains its strength.
- TTT supplied 11.0m x 400mm SED Poles.
- The SED Poles were installed at 1.2m centres.
- The contractor's equipment was operated from a position in the slip material whilst installing the poles. Firstly holes were drilled, then the poles were installed, and finally concreted into place.
- The completed retaining wall was 3.0m high.



Photos courtesy of Markovina Pile Driving

