CASE STUDY

SLOPES & EMBANKMENTS

Franklands Embankment,
Burgess Hill, West Sussex - UK

OVERVIEW >>>>

A slip occurred below an existing troughing route at the crest of this railway embankment, resulting in a temporary speed restriction, and leaving an exposed soil surface. This prompted emergency works to take place to prevent further erosion of the embankment. The area of embankment requiring remediation covered a 22m linear stretch at 4m high and a 60° angle. The residual slope material had slumped towards the toe and was held in place by an established tree line. An immediate solution was required on the embankment to prevent erosion from undermining the Brighton Line. Further complications were encountered due to access constraints, meaning all installation would need to be completed with handheld machinery.

SOLUTION >>>>

The chosen solution involved the installation of 40 Platipus Stealth anchor systems, achieving a 6m drive depth with handheld equipment despite the exceptionally hard strata present on site. The anchors were positioned in 4 rows with 0.8m spacing securing the reinforced geomat on the embankment surface. They were then loadlocked to a verifiable working load of 11kN. Platipus Percussion Driven Earth Anchors (PDEA®) are immediately serviceable, with no wait or curing times necessary. These emergency works were completed within one week from the first report of the slip.

CONTACT OUR TEAM

www.minovaglobal.com

PLATIPUS
A DIVISION OF MINOVA

PRO-190226/EN-EME