

CASE STUDY

Henwick Turnback - UK



Project Specification

AMEY Rail installed a new signal in a railway cutting, and needed to provide support for the slope behind the signal, prior to construction of a proposed retaining wall.

Solution

Platipus Geotechnical Engineers suggested a cost effective and swift solution that would permanently stabilise the slope behind the signal, removing the need to construct a retaining wall as originally planned. A Platipus Conceptual Proposal was drawn up which allowed Amey Rail designers to complete the Network Rail Forms 1, 2 and 3 and issue an AFC (Approved For Construction) drawing.

Vertical Access, a Platipus Approved Installer, carried out an anchor suitability test prior to the installation of five rows of Percussion Driven Earth Anchors (PDEA®) driven directly through a geo-mat to spread the load between the anchors and support the slope. From concept to completion this project was delivered in less than two weeks.



Anchor System: S8 Aluminium Bronze Anchor, c/w 5 metres of 8mm Ø Stainless Steel Wire Tendon, 200 x 200mm stainless steel load plate, hemi-ball washer and 8mm stainless steel recessed wedge grip.

Quantity: 34

Design Life: 120yrs

Soil Type: Sand /gravel overlaying clay

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