

Project Report - Anchor Screw

Anchor Systems (International) Ltd were involved in this Network Rail project in Merseyside. A 13m long and 5m high safe access GRP Staircase was installed on a railway embankment, requiring Anchor Screw piles and adjustable adaptor plates - all supplied by Anchor Systems.

SOLUTION

The GRP access staircase, supplied by Step on Safety Ltd was installed by CSM on a railway embankment slope in Knowsley, Merseyside, where it will link to a cess walkway with self closing safety gate.

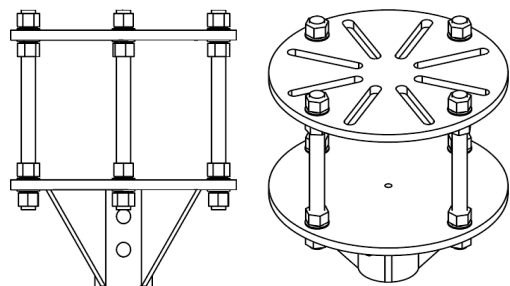
At 5m high & 13m long, it required sixteen anchor screws with adjustable adaptor plates to support the structure. Our Anchor Screw piles were easily installed into the sloped embankment with portable handheld equipment, meaning the job was completed swiftly and with no necessary isolations.

The interface plates can be adjusted, allowing for 7° lateral alteration, meaning the staircase will always be level, even on sloped and irregular ground.

Our Anchor Screw system also meets the specified design life of 100 years.



On average, an estimated 70% embodied carbon reduction is achieved with Anchor Screw foundations, compared to traditional methods such as concrete.



GRP Staircase

