



Installation of a TensarTech TW3 Modular block wall by Tensar, a verified RISQS supplier



Walls and Slopes Nº 462

Barrow Haven Railway Station

📍 Barrow Haven,
North Lincolnshire

CONSTRUCTED IN 2023

Benefits

Speed and ease of installation
with TensarTech TW3 system

Tensar's Construction toolbox talk

delivered to train the contractor's
installation team

Flexible construction enabled
possession between the rail
network

Tensar product retaining wall solution for Network Rail

Tensar were approached by the project team to offer a reinforced soil wall option for a Network Rail station platform, as an alternative to reinforced concrete.

CLIENT'S CHALLENGE

Railway station upgrade involved demolition of the existing platform and re-construction extending beyond the existing footprint to accommodate accessibility ramp. An adjacent live Network Rail line needed to be operational throughout the works which meant that limited access was available. The interface between historic RC wall foundations and extended platform footprint raised concern of potential differential settlement whilst restricted by excavation works in proximity to track. Only minor ground improvement works were required to support the inherently flexible reinforced soil wall system within serviceable requirements.

TENSAR SOLUTION

Tensar, who are verified by the Railway Industry Supplier Qualification Scheme (RISQS) were appointed by the consultant designer for specialist design of TensarTech TW3 wall system. The contractor also received a Construction toolbox talk from a Tensar engineer at the beginning of the works, to allow self-installation of the wall system.

