

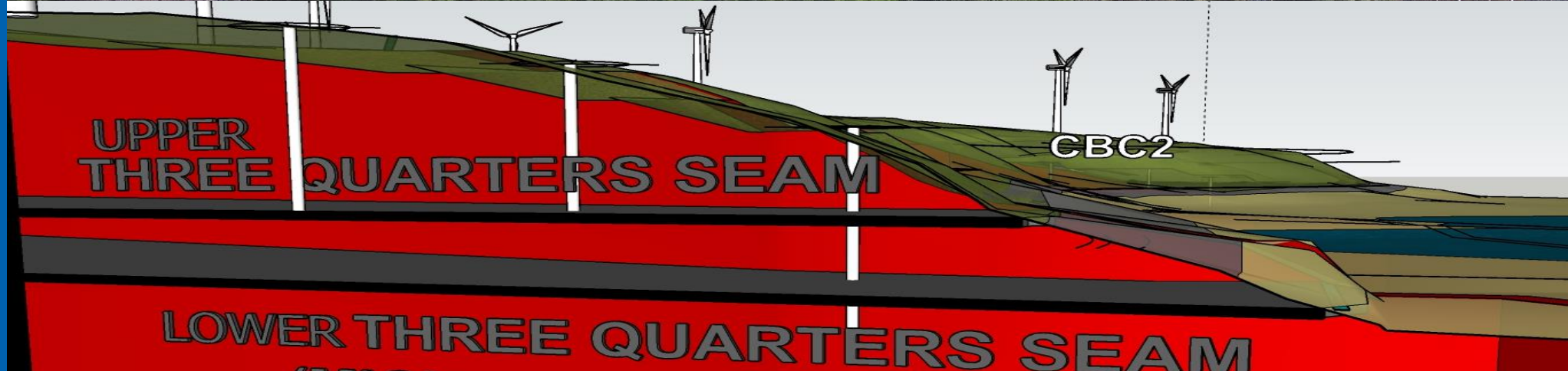
Browney Curve (ECML), Durham

Story Geotech undertook the drilling, installation and monitoring of 8no. Boreholes up to 35m depth within an 'Active Landslide' as well as investigating historical 'Hutton Coal Seam' mine workings to advance design stabilisation works.



LOWCA (CBC2), West Cumbria

As part of ongoing works to protect the Cumbria Coastal Railway, a 3D model was developed of the site before drilling 10no. Boreholes up to 40m depth in to the Pennine Coal Measures. On completion all boreholes were installed to monitor the behaviour of the slope, safeguarding the railway route.



SOUGH TUNNEL (BBB/36 Shaft No.2)

Since completion of the railway tunnel in 1848 remedial works including relining Shaft No.2 are now required.

To inform the design, 3nr boreholes are planned to 50m depth to allow for the dip and strike of the bedrock, the Geotechnical characteristics, weathering grade, strength and identification of Coal.



CARLISLE SOUTH LINK ROAD A689

As part of the proposed link road joining the south of Carlisle to Junction 42 (M6 Motorway), Ground Investigation works undertaken by Story Geotech comprised drilling boreholes up to 27m depth to recover High Quality Rock Core and In-Situ Dilatometer Tests at River Caldew Overbridge.

MORGAN
SINDALL



WALNEY ISLAND Barrow-in-Furness

To inform the design of erosion protection and cliff stabilisation works, Story Geotech undertook Geomorphological and Geological Mapping together with Ground Investigation and Groundwater Monitoring along the south western coastline of South Walney's historic household landfill site bound by the Irish Sea.



BUXTON FREIGHT POINTS (BEJ / CNB4)

As part of the 'Route Hardening and Resilience programme' Story Geotech were contracted to deliver 4no. Windowless Sampled boreholes, 19no. Automatic Ballast Samples and 21no. Trial Pits together with TRL-DCP in-situ tests ahead of planned cross over and re-signalling works.



KINGS SUTTON (DCL/66)

Ground Investigation works comprising Windowless Sampling, Diamond Core Drilling and Trial Pits were required together with surveys of a single span watercourse underbridge which is planned to be reconstructed following observations of the bridge deck moving during train loading.



CARSTAIRS JUNCTION (WCM, ECA & CSP)

As part of the Rationalisation and Renewal of Track and OLE at Carstairs Junction, Story Geotech were contracted to deliver 29no. CPT(u), 20no. Windowless Sampled Boreholes, 30no. Probes and 10no. Cable Percussion boreholes with 5no. Rotary Continuations up to 30m depth.



CUMBRIA LOC Staging's (CGJ7)

Ground Investigation works for LOC Staging's were undertaken between Gretna and Kendal on the West Coast Main Line comprising Windowless Sampling boreholes for foundations and retaining walls within embankments and cuttings.



COWBURN TUNNEL (MAS) Edale

Story Geotech have undertaken Diamond Drilling to recover cores through the tunnel lining to confirm the condition and thickness of the tunnel brickwork and to determine the composition of the surrounding rock. Both video and laser scanning methods were used to confirm the presence of voids.



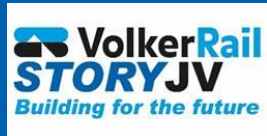
CANAL UNDERBRIDGE (CNN6), Nuneaton

Story Geotech undertook structural coring of the abutment, together with recovering paint samples from girders from the canal. Windowless sampled boreholes and trial pits were undertaken on the tow path to confirm foundation levels and soil strength on the Tow path.



HOPE VALLEY (MAS, TJC1, DWS, HGC, NMC1)

Story Geotech have undertaken various Investigations including Trial Pits, Automatic Ballast Sampling (ABS), Windowless Sampling (WLS), Rotary Coring and Structural Diamond Drilling at various Structures, Buildings and Earthworks as part of the 'Route Enhancement Project'.



STATION ROAD (SAC) Settle

Story Geotech completed Structural Investigations comprising abutment cores, ferro-scanning and trial pits to examine the main girders and existing waterproofing together with recovery of paint samples for laboratory lead testing to develop an accelerated design following concerns of bridge movement under load.



FRODINGHAM (DOW) Scunthorpe

Ground Investigation works undertaken by Story Geotech comprised the formation of 6no. Boreholes up to 20m depth installed with inclinometers and piezometers to monitor the earthwork and sheet piled wall ahead of design stabilisation options.



LEVENMOUTH

As part of the Route wide Reconnection Project Story Geotech have undertaken 15no. Dynamically samples boreholes continued by Rotary Coring into bedrock and 17no. Cone Penetration Tests (CPT's). Additional Cable Percussion boreholes were drilled at Bawbee Bridge.



LEVENMOUTH >> RECONNECTED

Part of



SCOTLAND'S RAILWAY

VICKERS WAY Crewe

Story Geotech were able to investigate soils and install slope movement monitoring instrumentation in an embankment without disrupting rail services midweek following reports of track settlement. Suspected due to burrows within the embankment, the Geotech team accessed the slope completing all works midweek using long reach machines.



LOWER WHARF STREET (SAJ) Ashton-under-Lyne

Story Geotech undertook the installation and testing of 54no. Structural Anchors within a retaining wall requiring 250mm over 125mm Diamond Core Drilling up to 3.5m depth in preparation of Installing anchors to 12m depth and tension testing / load locking on pattress plates.



DALMENY (ECN2) Queensferry

Story Geotech were contracted to undertake the Ground Investigation and later returned to install 60no. Earth Anchors up to 9.0m length as part of the Temporary Works design to retain embankment materials enabling INEOS to inspect the Forties Pipeline which carries 500 thousand barrels of oil per day, over 500 miles.



Glasgow to Barrhead Electrification (GBE) OLE Mini-Piles

Story Geotech were contracted to install 84no. Micro-piles for 21no. OLE masts between Barrhead and Glasgow as part of the first phase of Scotland's Rolling Programme of Decarbonisation



CARSTAIRS LOC Staging Piles

Story Geotech have completed 144no. Bottom Driven Piles up to 8m length for double, triple and quad LOC platforms as part of the signalling renewals at Carstairs during possession and midweek shifts.

SIEMENS



Millerhill Piling, Edinburgh

We've invested in the latest technology to support our piling installation capability.

