

## **Gazebo at Bank Hall, Sawley**

### **Design and Access Statement**

#### **Introduction**

Bank Hall is a Grade II listed property in Sawley, Clitheroe. The Gazebo is an early 19<sup>th</sup> Century structure, which also has separate Grade II listed status. The Gazebo sits 50m South East of the main house within the garden. The River Ribble flows along the East elevation of the Gazebo.

During the floods in December 2015, the river water level raised to 1.2m above the top of the river retaining wall. The soil beneath the structure became saturated and is thought to have caused significant structural movement of the gazebo.

#### **Structural Description**

The Gazebo is a single storey structure approximately 4 metres wide by 4.5 metres long. The structure varies in height, with the East elevation forming part of the river retaining wall, 2.5m below ground level. The walls are solid stone masonry with lime mortar. The walls have a thick pebble-dashed cement render finish externally and are plastered internally. The masonry walls have a parapet around all four sides, with a battlement detail.

The cement render and stone walls have significant cracks largely by the window and door openings. Each elevation has undergone significant movement, which is partly historic and increased in magnitude after the high water level. Each elevation is out of plumb by approx. 300mm and on the North elevation there is a wide crack 70mm wide.

The Gazebo has been temporarily propped, using scaffold poles and scaffold boards to brace each elevation.

#### **Proposed Works**

The proposals are to stabilise the building in its present condition, reducing any risk of further settlement, lateral movement and/or collapse.

The proposals include;

1. Underpinning (steel mini-piles and concrete needle beams) to the existing masonry walls.
2. Tying the masonry walls together at high level using Cintec Anchors.

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3. Locally repairing any cracks, damaged masonry and render with suitable stone and lime mortar.

The proposals include minor masonry repairs to the East elevation above the river. No-in water works will be undertaken by the contractor.

#### **Access**

The site is situated within the owners land and can be accessed via the driveway leading from Sawley Road.