

Yorkshire Sculpture Park

Menagerie Wood Inlet Footbridge
Application for Listed Building Consent: Supporting Information

February 2011
R556-001

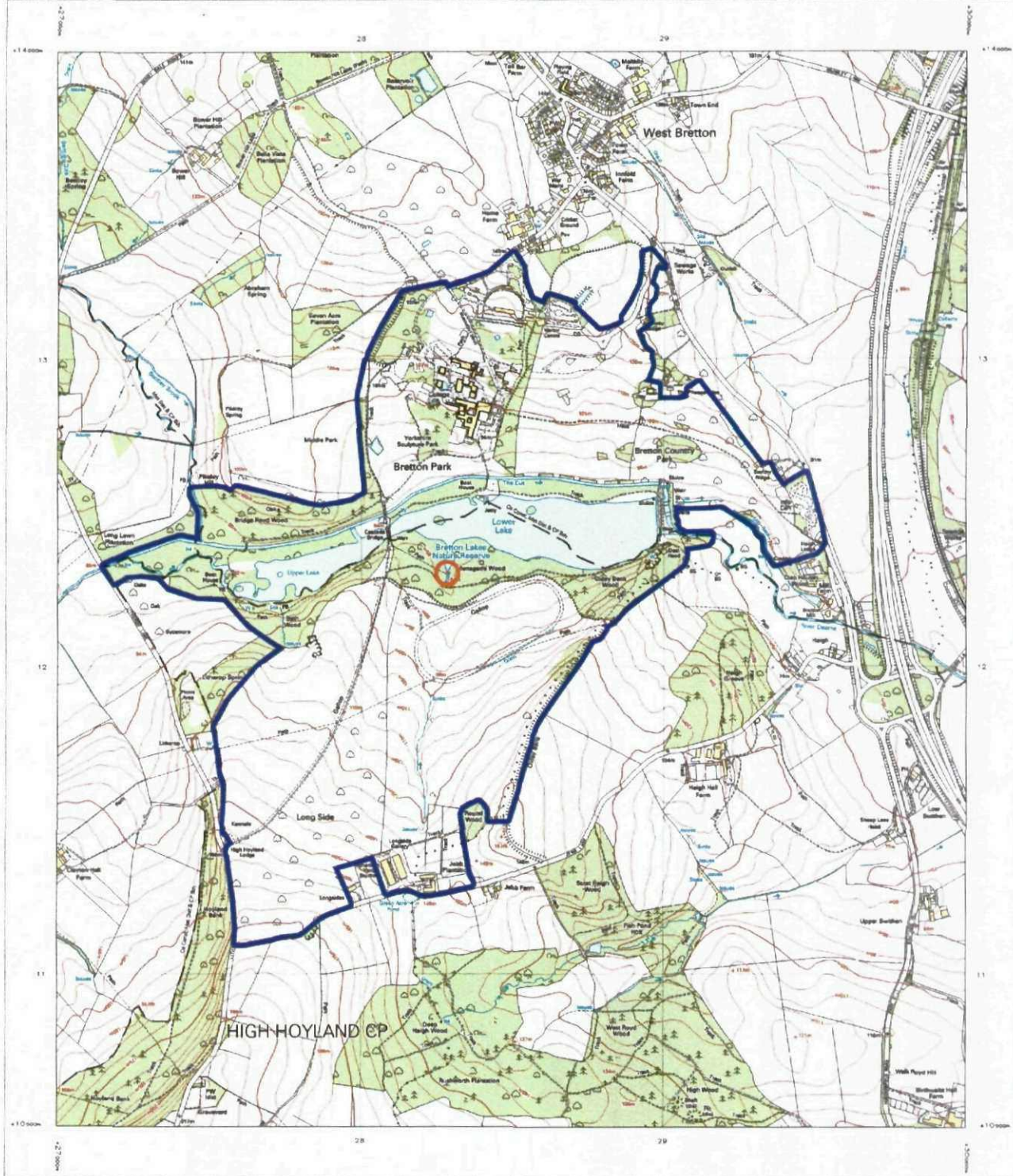


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100 50 0 100 200 300 400 500
Metres



Key
YSP boundary
Application location

Menagerie Wood Inlet Footbridge: Designation and Landscape Setting

Yorkshire Sculpture Park

Footbridge Listing as per <http://www.barnsley.gov.uk/PID514>:
Statutory register of listed buildings

- Name: Footbridge in Menagerie Wood, approx 200m SE of the Cascade Bridge in Bretton Park.
- Grade: II.
- LBS UID: 334277.
- Street name: Park Road.
- Parish: High Hoyland.
- District: Barnsley.
- Locality: West Bretton.
- Listed: 23 November 1987.
- NGR: SE 28 28 51 23 02

Historical Significance and Wider Setting

Historically the footbridge was designed to be viewed and appreciated across the Lower Lake from the southern terrace of Bretton Hall, as per view 1. Viewed from this location the bridge, as highlighted in red, is a distant feature intended to provide a focus across the lake. The 440m long vista is also designed to be appreciated in return from the centre point of the bridge back to Bretton Hall as part of the original C18 pleasure ground experience.

The footbridge played no part in providing essential access across the Inlet, functioning primarily as a visual feature within the parkland and curtilage of Bretton Hall. As per image 1 and 2 the bridge is located within historic parkland away from any public points of access or rights of way.

Current Landscape Status

Due to numerous years of disjointed management and incremental development the Grade II Registered Park and Garden was placed on the At Risk Register by English Heritage in 2009. A series of projects to restore and enhance the historic landscape are underway with the aim of removing the landscape from the At Risk Register.

Safety

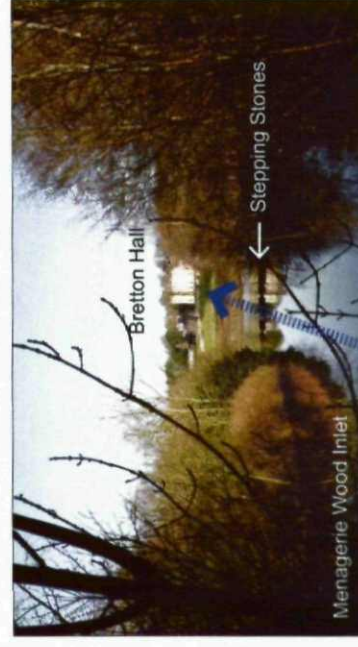
At present there is no access over the bridge as the original stone balustrade has been lost as a result of cattle damage. The bridge is structurally sound, however provides no safety aspect for pedestrians.

Purpose of Installing a balustrade

As part of the restoration of the wider landscape a series of tree works to uncover the bridge and reconnect the historic vistas is underway. To recreate the historic pleasure ground experience a balustrade is essential to meet current safety regulations and allow visitors to walk safely once again over the bridge



View 1: Historic view of Menagerie Wood Footbridge from Bretton Hall



View 2: Historic view of Bretton Hall from Menagerie Wood Footbridge

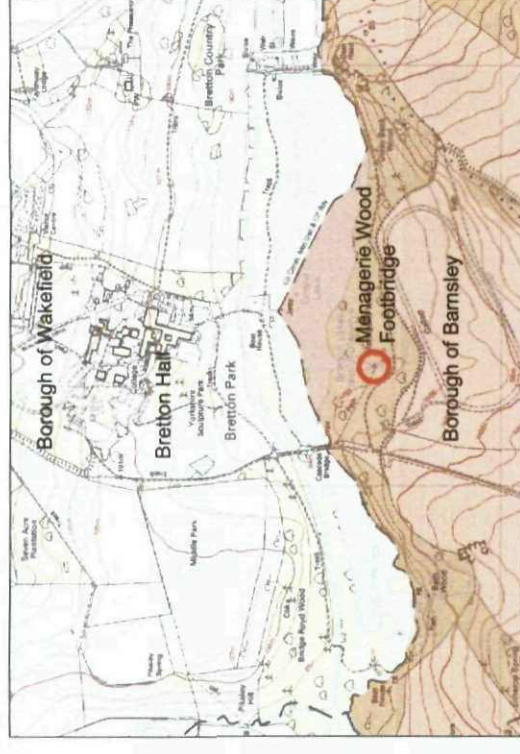


Image 1: Location of Menagerie Wood Footbridge

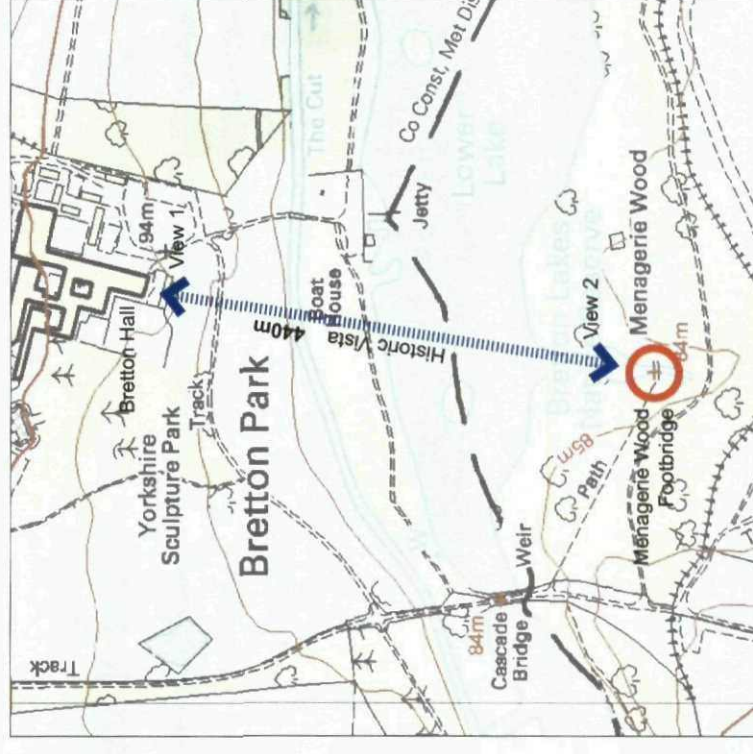


Image 2: Location of historic views and relationship of Menagerie Wood Footbridge with the context

Menagerie Wood Inlet Footbridge: Current Condition and Proposed Location of the Balustrade Yorkshire Sculpture Park

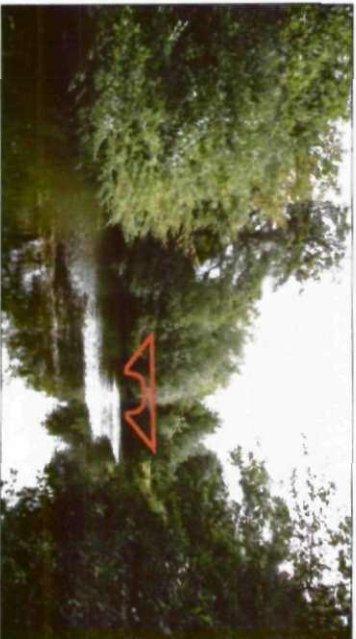


Image 3: View taken from the Stepping stones towards the bridge.

Current Condition

At present the inlet bridge is lost within un managed scrub and tree growth that currently obscures views of the structure both in the immediate setting and context. Please refer to images 1, 2, 3 & 4.

An ongoing programme of tree works is set to reveal the structure, prevent potential damage from unmanaged growth and recreate the historic vistas.

Over successive years the bridge deck has been removed and the balustrade lost. Please refer to image 5 & 6. The current deck surface is a combination of organic matter and weeds over a gravel surface. Please refer to image 6.

Proposed Balustrade Location and Fabric Intervention

Historically we believe the original stone balustrade sat on the remaining low walls of the bridge.

The current proposals are to install a metal estate fence balustrade, as per the specification overleaf, which is to be fixed to the deck of the bridge to minimise any disturbance or damage to the exposed remaining fabric.

The end gate posts and panels are set into the earth adjacent to the bridge entry points to ensure the depth of footing required does not damage or impact upon the existing bridge structure.

Image 6 provides a flavour to the style and location of the proposed balustrade. It is felt that a subtle structure of this character will not compromise the visual experience of the 440m view across the lake. The proposed method of installation is a less intrusive approach: should the balustrade one day be removed or replaced with a stone structure no damage or lasting marks will be left.



Image 5: Current condition and restricted access

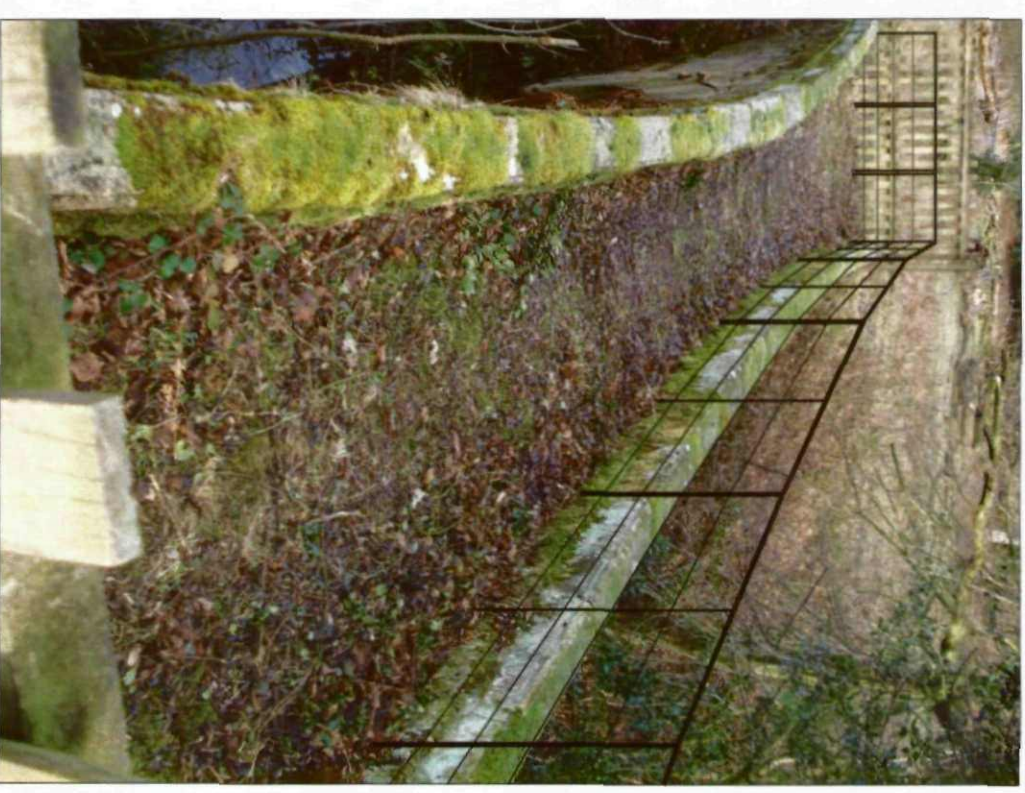


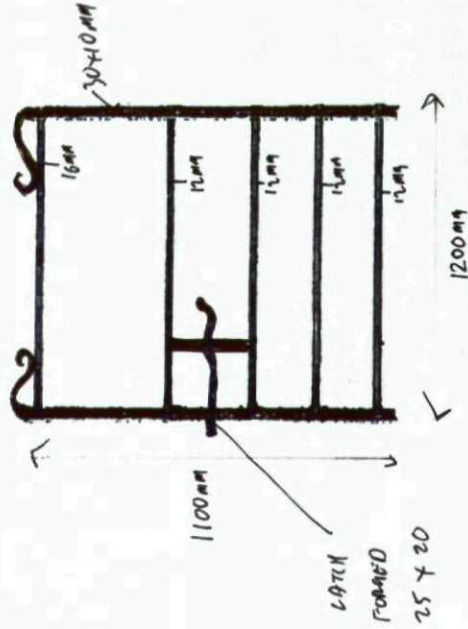
Image 6: Proposed Estate Railing handrail.

This image is for illustrative purposes only and provides a flavour of the style of intervention proposed. A full specification and supporting images follows overleaf.

Menagerie Wood Inlet Footbridge: Bridge Repair Specification Yorkshire Sculpture Park

Panels

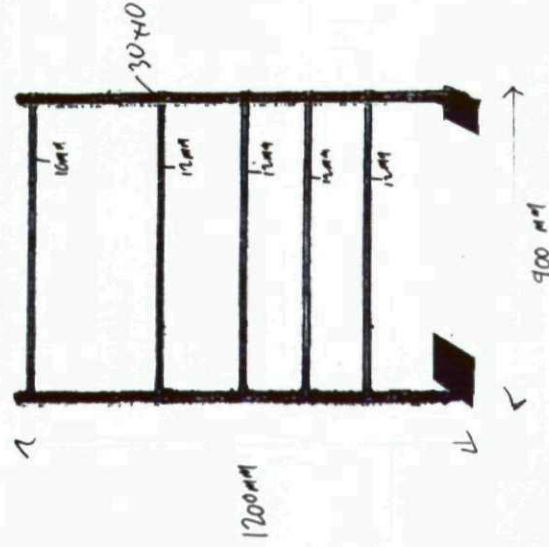
- Panel dimensions. Width and height: 2000mm x 1200mm.
- Diameter of circular bars: 16mm dia. top rail 12mm lower rails.
- Vertical flat bar dimensions: 30 X 10mm flat bar.
- Method of connecting panels to one another: 3x, M12 bolts.
- Method of fixing the panels to the wearing surface of the bridge and fixing types: 150 X 150 X 6mm flat plates with 12mm dia holes for M10 rawl bolts. Cement pads are to be used in the locations where there is no suitable footing to bolt to.
- Spacing of the horizontal bars: as per elevation 3.



Elevation 1: Gate

Gates and End Panels

- Gate dimensions. Width and height: Gate 1200mm X 1200mm.
- Side fencing panels 900mm X 1200mm, Total width 3000mm
- Hinge: self closing hinge
- Latch: as per elevation 1.
- Scroll and stile. as per elevation 1.



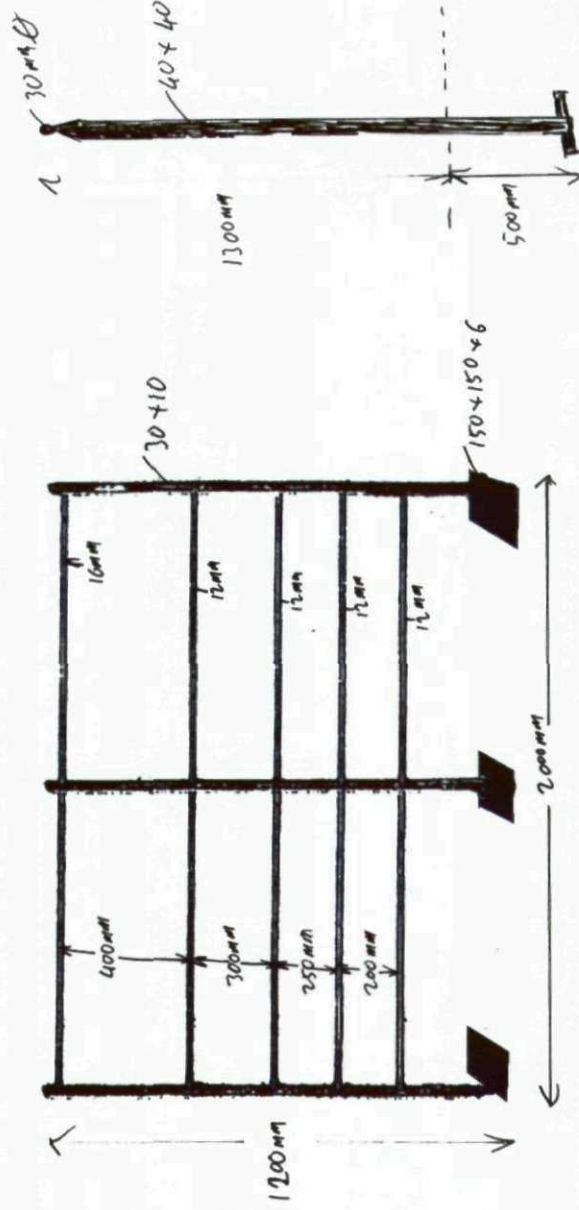
Elevation 2: End panel located either side of the gates

Posts

- Post height/diameter and image: 1300mm high, of 40 X 40mm Square bar
- Finial: Taper and ball, as per elevation 4.
- Method of securing the post: Concrete into the ground adjacent to the bridge.

Finish

- Primer: Red zinc phosphate primer and Grey under coat.
- Spec of black paint finish including the number of coats: Crown Black exterior Gloss one coat



Elevation 3: Panels

Elevation 4: Posts