The Meccano Bridge

This proposal is for a footbridge to replace the old horse bridge at Nob End, Little Lever. The construction of a new bridge at this site will allow The Canal Society to re-route the footpath and

make it possible to restore this section of the Manchester Bolton & Bury Canal.

The original brief for artist Liam Curtin was to make an artwork for Little Lever. Discussions with

local people, The Council, and the Canal Society led to the artwork being based at the canal and that

artwork becoming a functional bridge.

There were many ideas, some of which can be seen towards the end of this document. The final

proposal is for a bridge made from giant meccano. Meccano scaled up by 10 times.

Meccano is scaled down engineering; this proposal involves scaling meccano back up.

A giant meccano set will be made by a local fabricator. Each part including the nuts and bolts will be

scaled up by 10 times, ten times longer, ten times thicker and a thousand times heavier.

Each part will be faithfully rendered at the new scale.

The site will be fenced off and scaffolded giving a flat plain for the bridge to be assembled. Local

volunteers will be invited to be trained to help in the assembly.

The material will be galvanised mild steel.

The new bridge will simply rest on the refurbished abutments.

Creating a design that can be assembled by local people is a major part of this project; it is felt that

the engagement of local people will help to endear the bridge to the local population

**Timescales** 

Restoration of the old abutments using original brick and stone, creation of the

foundations./ Work to be carried out by the Canal Society May/June 2012

Planning permission July 2012

• Fabrication of parts July August 2012

Construction on site September 2012

People

Overall project management: Gaynor Cox, Bolton at Home

Artist: Liam Curtin

Engineer: Jon Tuson, Bolton Council

Main Contractor: The Canal Society









There have been meccano bridges before, including the televised meccano bridge built by James May and engineering students but this was in regular meccano. This proposal uses scaled up meccano, which is a new idea.









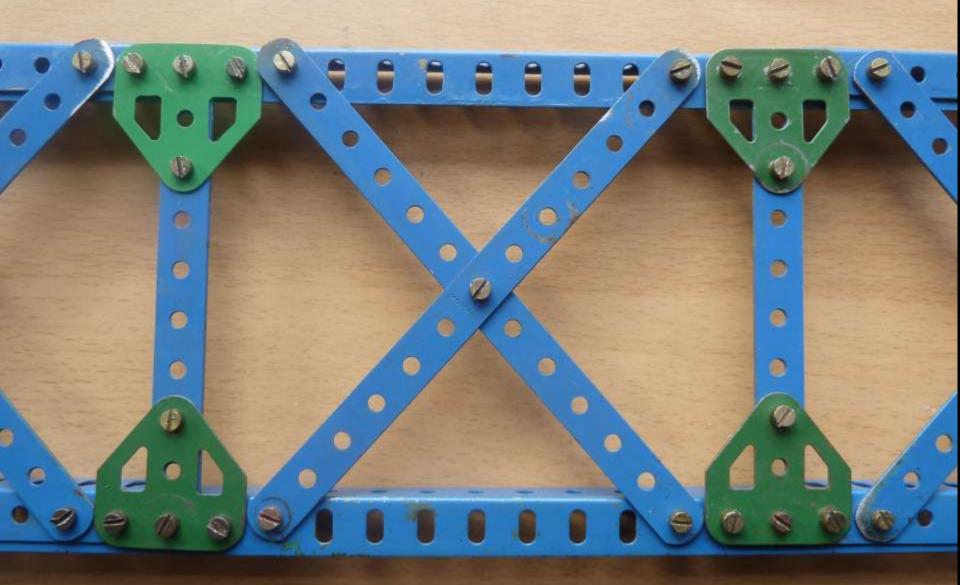
The bridge has been partly inspired by the work of Caus Oldenberg, who scales up everyday objects



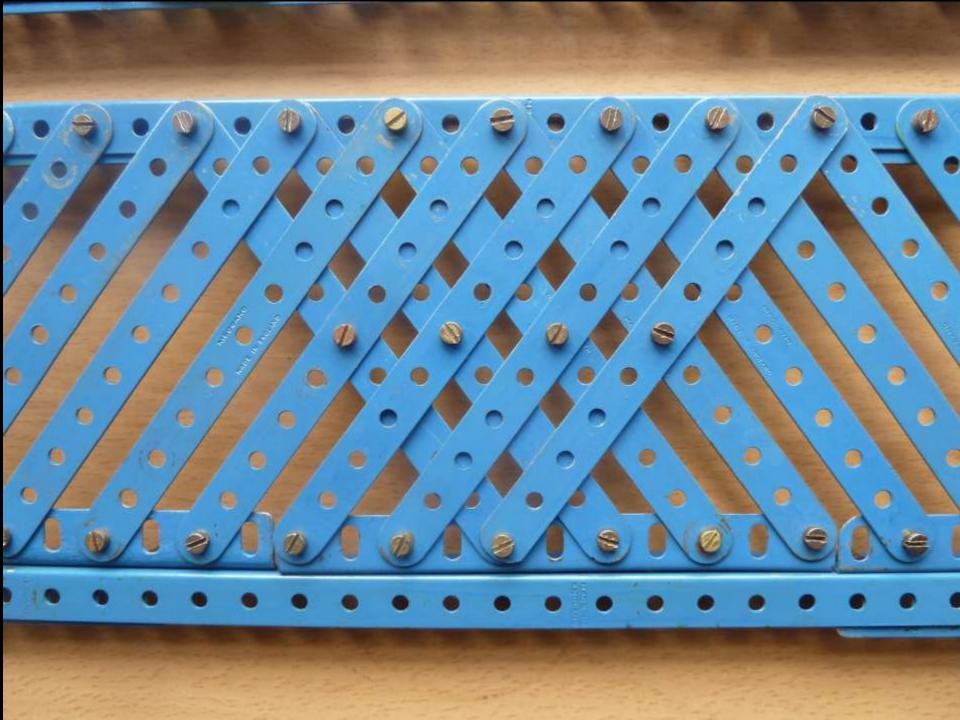


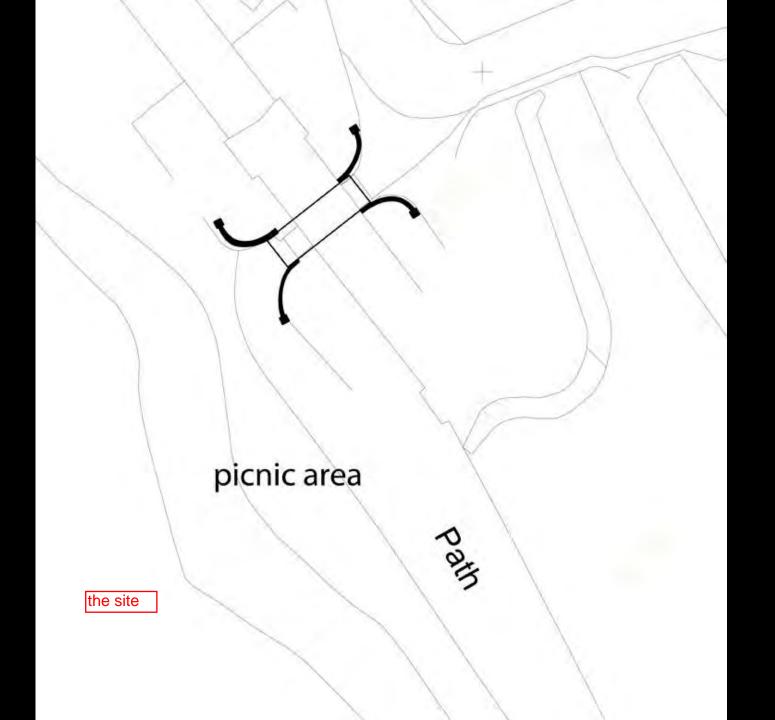
See below mock ups of scaled upmeccano

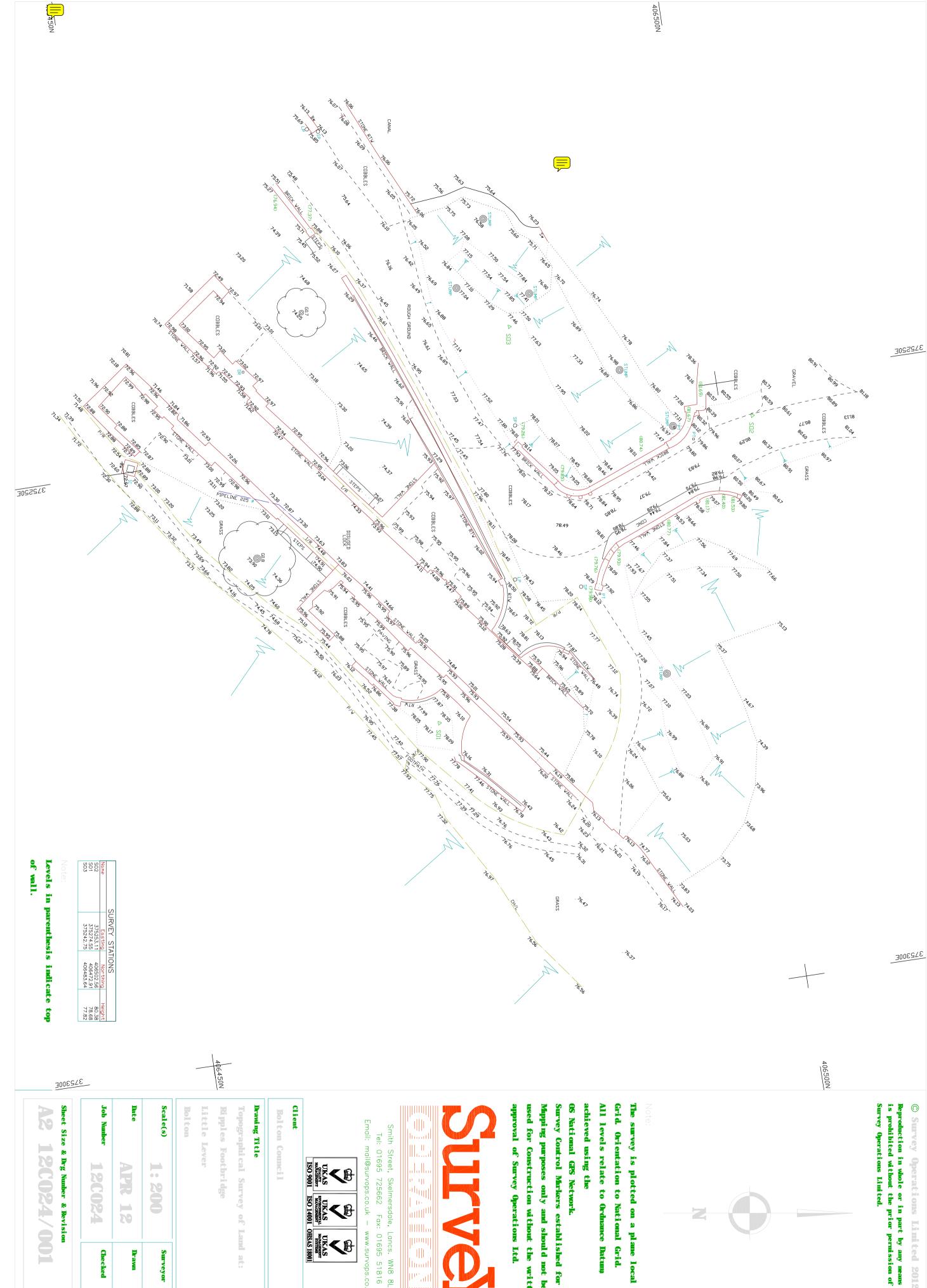




meccano mock ups







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Grid. Orientation to National Grid. The survey is plotted on a plane local Mapping purposes only and should not be Survey Control Markers established for All levels relate to Ordnance Datum used for Construction without the written



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of Land

Date	Scale(s)
APR 12	1:200
Drawn	Surveyor
JR	M

Checked

M

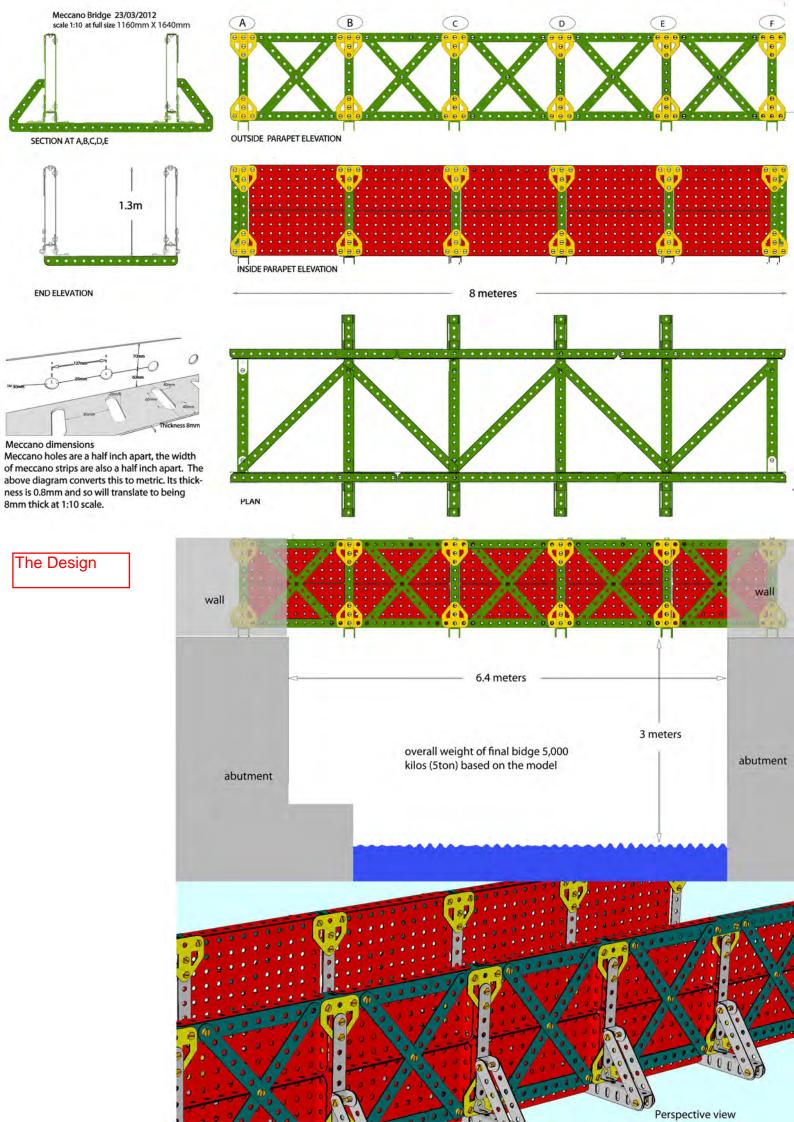
Sheet Size & Drg Number & Revision

12C024/001



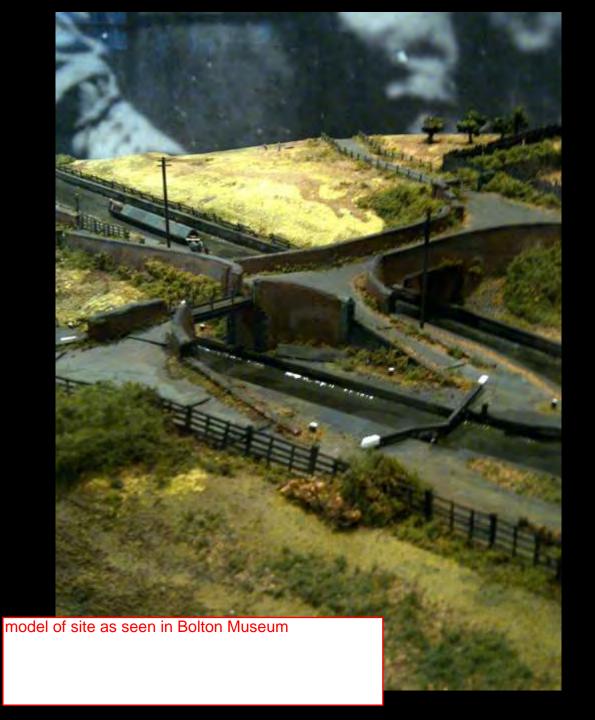




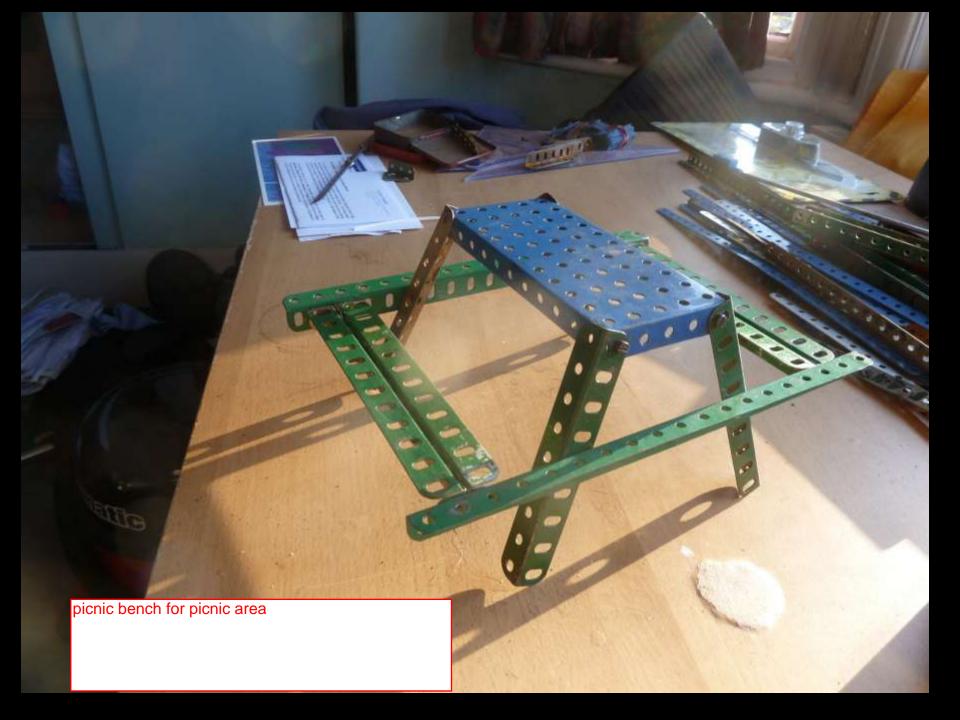


















There have been a number of community engagement projects such as this one in which a floating sculpture made with thousands of cd's was assembled by local people. This project gave the artist an opportunity to get to know local residents.

