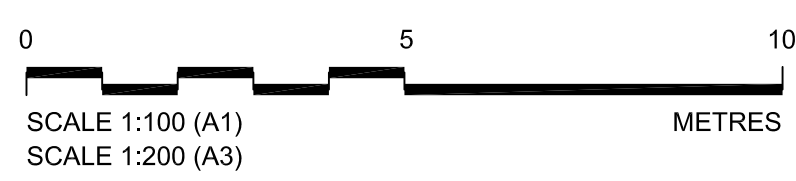


- Notes:**
- DO NOT SCALE FROM THIS DRAWING.
 - ALL LEVELS GIVEN IN METRES WITH THE CHANNEL BED LEVEL AS THE DATUM.
 - ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE NOTED.
 - LOCK OPENS OUT TO CHANNEL WIDTH OF 21000mm FOR OPEN ASPECT WATERWAY OR 9000mm FOR VERTICAL SIDED WATERWAY (AT BOTH ENDS OF LOCK).
 - THIS DRAWING SHOWS A LOCK WITH A 3.5m CHANGE IN WATER LEVEL. SIMILAR DETAILS APPLY FOR OTHER LOCKS (SEE TABLE BELOW).
 - ROUTE OF TOWPATH VARIES BETWEEN LOCKS IN ORDER TO ACCOMMODATE A 1 IN 16 SLOPE. A 9m DISTANCE BETWEEN LOCK AND EDGE OF ADDITIONAL MAINTENANCE STRIP WILL BE ADHERED TO.
 - THIS DRAWING IS INDICATIVE ONLY - SUBJECT TO CHANGE AT DETAIL DESIGN STAGE.

Locks	
Chainage (m)	Dim C (mm)
3960	3500
4430	2750
4630	3250



0	CM	JS	JN	24/02/15	FOR INFORMATION
Rev	By	Chkd	Apprvd	Date	Description

Client

BEDFORD BOROUGH COUNCIL
Bedford Borough Council
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A CH2M HILL COMPANY

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Project **BEDFORD MILTON KEYNES WATERWAY BELL FARM**

Drawing

TYPICAL LOCK STRUCTURE (SHEET 1 OF 2)

Drawn by: CM	Date: 20/02/14
Checked by: JS	Date: 20/03/14
Approved by: JN	Date: 24/02/15
Drawing No.	Revision
476075-HG-01-00-DR-C-700	0

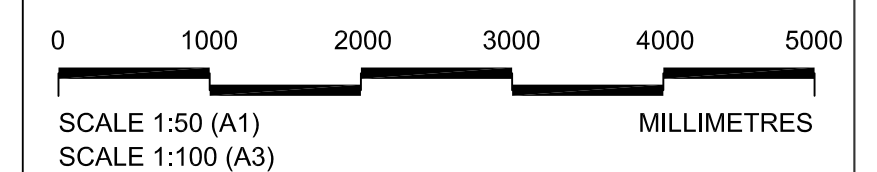
Drawing Scale: AS SHOWN at A1

OUTLINE DESIGN



1. DO NOT SCALE FROM THIS DRAWING.
2. ALL LEVELS GIVEN IN METRES WITH THE CHANNEL BED LEVEL AS THE DATUM.
3. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE NOTED.
4. THIS DRAWING SHOWS A LOCK WITH A 3.5m CHANGE IN WATER LEVEL. SIMILAR DETAILS APPLY FOR OTHER LOCKS (SEE TABLE BELOW).
5. THIS DRAWING IS INDICATIVE ONLY - SUBJECT TO CHANGE AT DETAIL DESIGN STAGE.

Locks	
Chainage (m)	Dim C (mm)
3960	3500
4430	2750
4630	3250



0	CM	JS	JN	24/02/15	FOR INFORMATION
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Project

BEDFORD MILTON
KEYNES WATERWAY
BELL FARM

Drawing

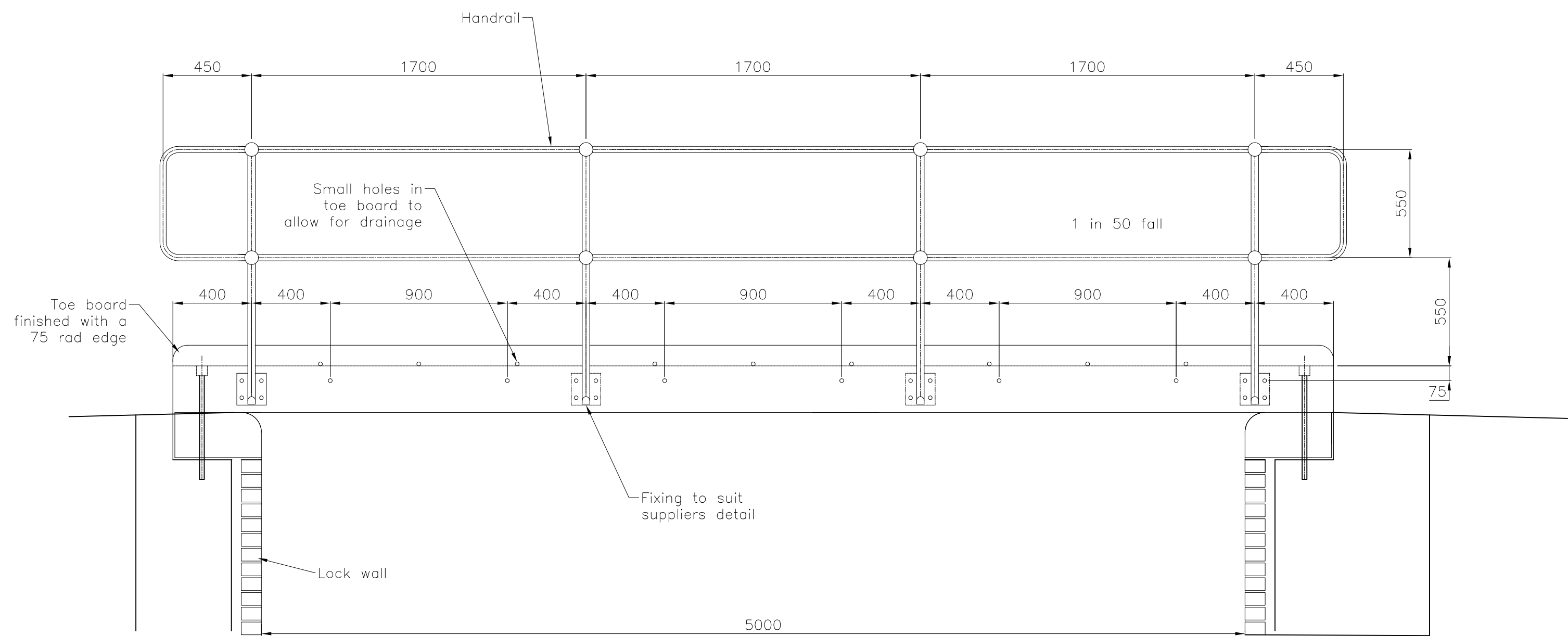
TYPICAL LOCK STRUCTURE
(SHEET 2 OF 2)

Drawn by: CM	Date: 20/02/14
Checked by: JS	Date: 20/03/14
Approved by: JN	Date: 24/02/15

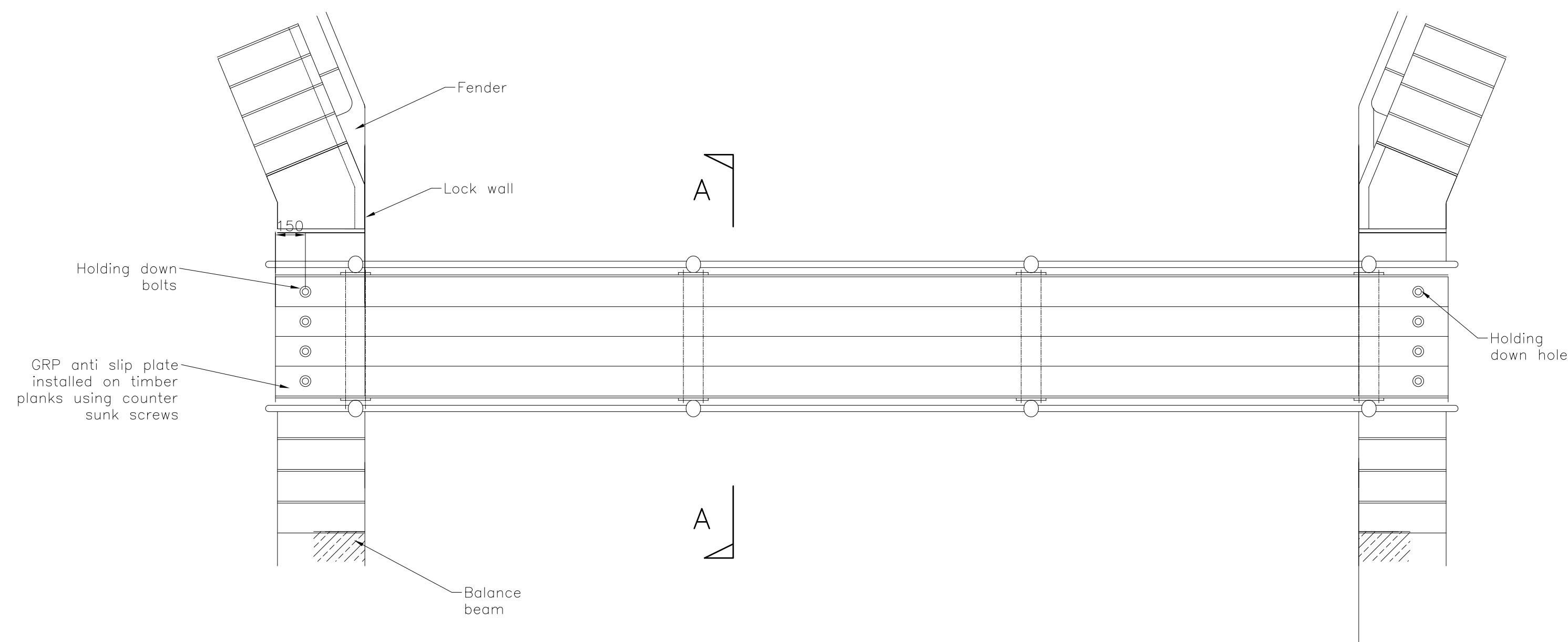
Drawing No.	Revision
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Drawing Scale: AS SHOWN at A1

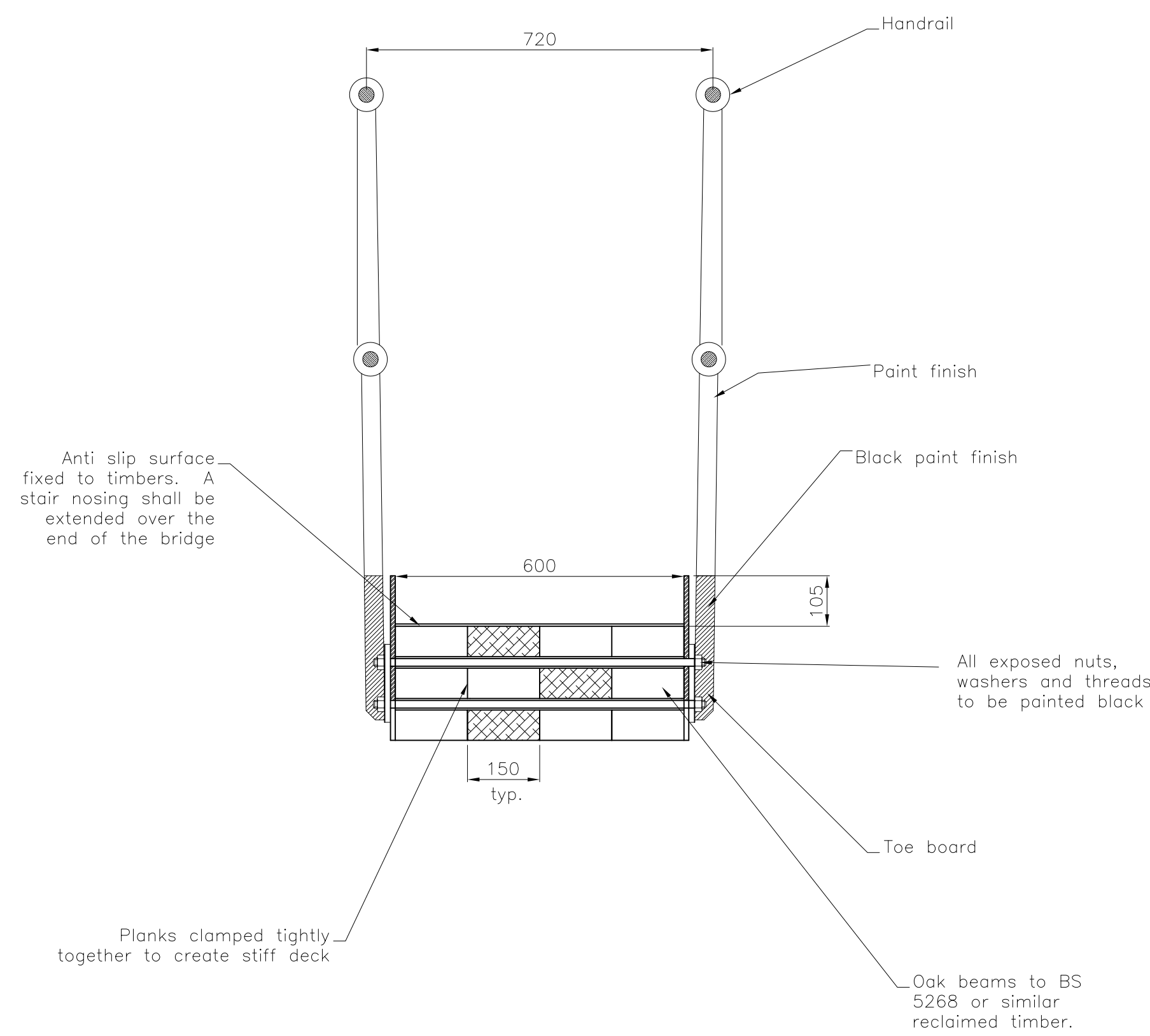
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USER NAME = Munden, Chris\UKP



ELEVATION
Scale 1:20



PLAN
Scale 1:20

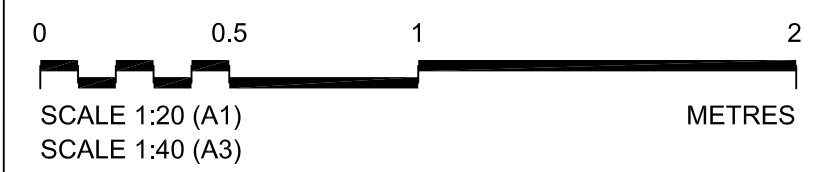


SECTION A-A
Scale 1:10

OUTLINE DESIGN

Notes:

- DO NOT SCALE FROM THIS DRAWING.
- ALL LEVELS GIVEN IN METRES WITH THE CHANNEL BED LEVEL AS THE DATUM.
- ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE NOTED.
- BRIDGES ARE TO BE LOCATED TYPICALLY AT THE DOWNSTREAM END OF THE LOCK STRUCTURE.
- A 3m CLEARANCE BETWEEN THE WATER AND UNDERSIDE OF THE BRIDGE MUST BE PROVIDED. IF THE LOCK HAS A CHANGE IN LEVEL OF LESS THAN THIS, THE BRIDGE MUST BE ELEVATED TO ACCOMMODATE THE REQUIRED DISTANCE.
- THIS DRAWING IS INDICATIVE ONLY - SUBJECT TO CHANGE AT DETAIL DESIGN STAGE. A STEEL DECK BRIDGE COULD BE USED AS AN ALTERNATIVE TO THIS - TO BE CONSIDERED AT DETAIL DESIGN STAGE.



Rev	By	Chkd	Apprvd	Date	Description
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Client

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Project

**BEDFORD MILTON
KEYNES WATERWAY
BELL FARM**

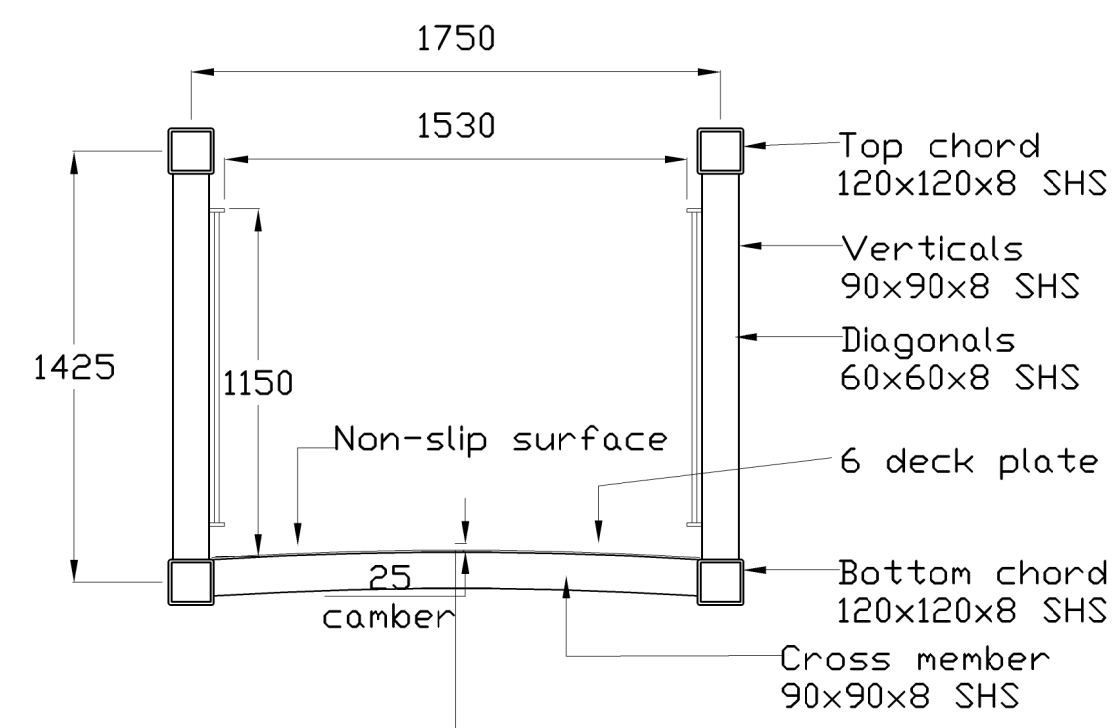
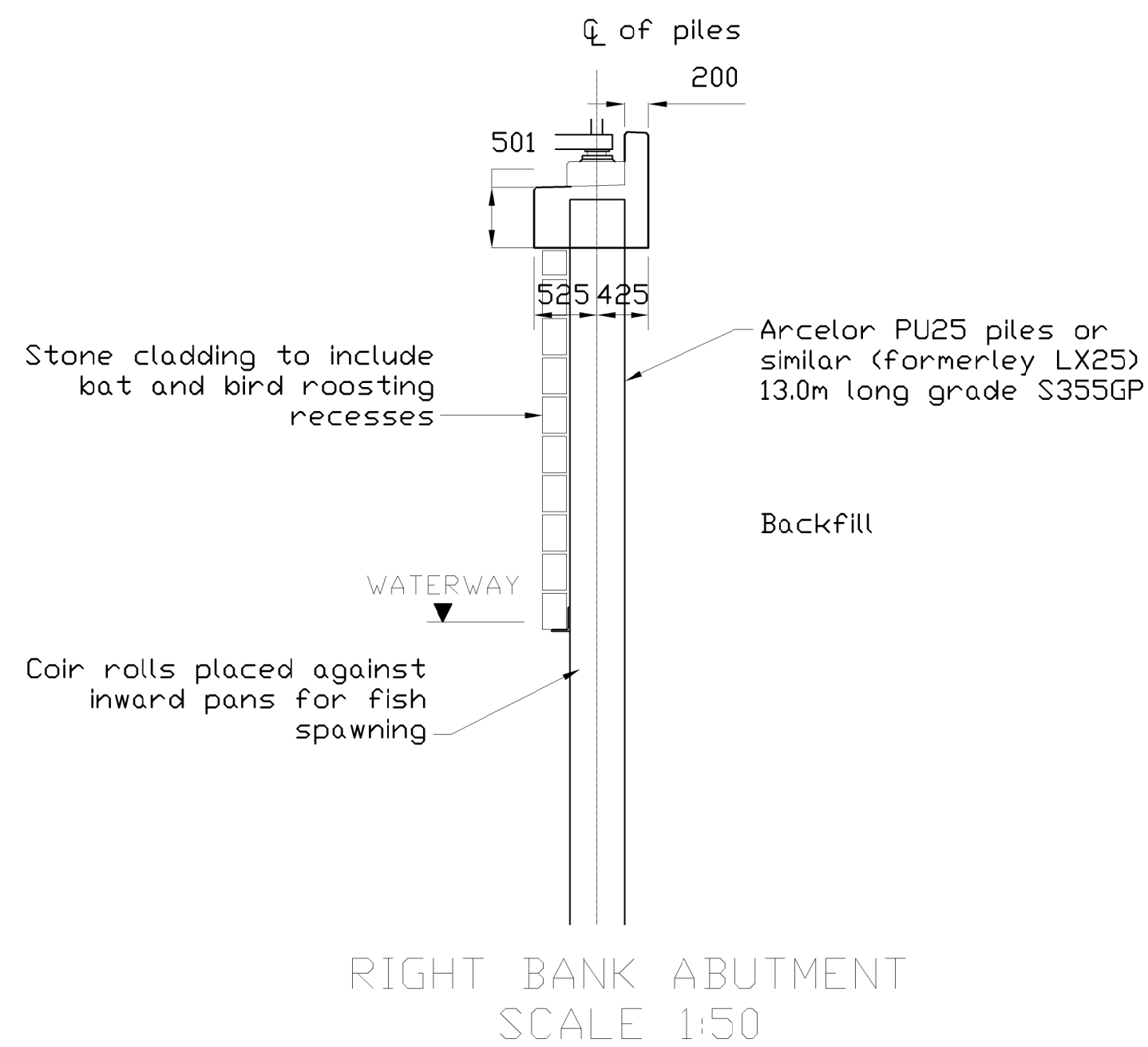
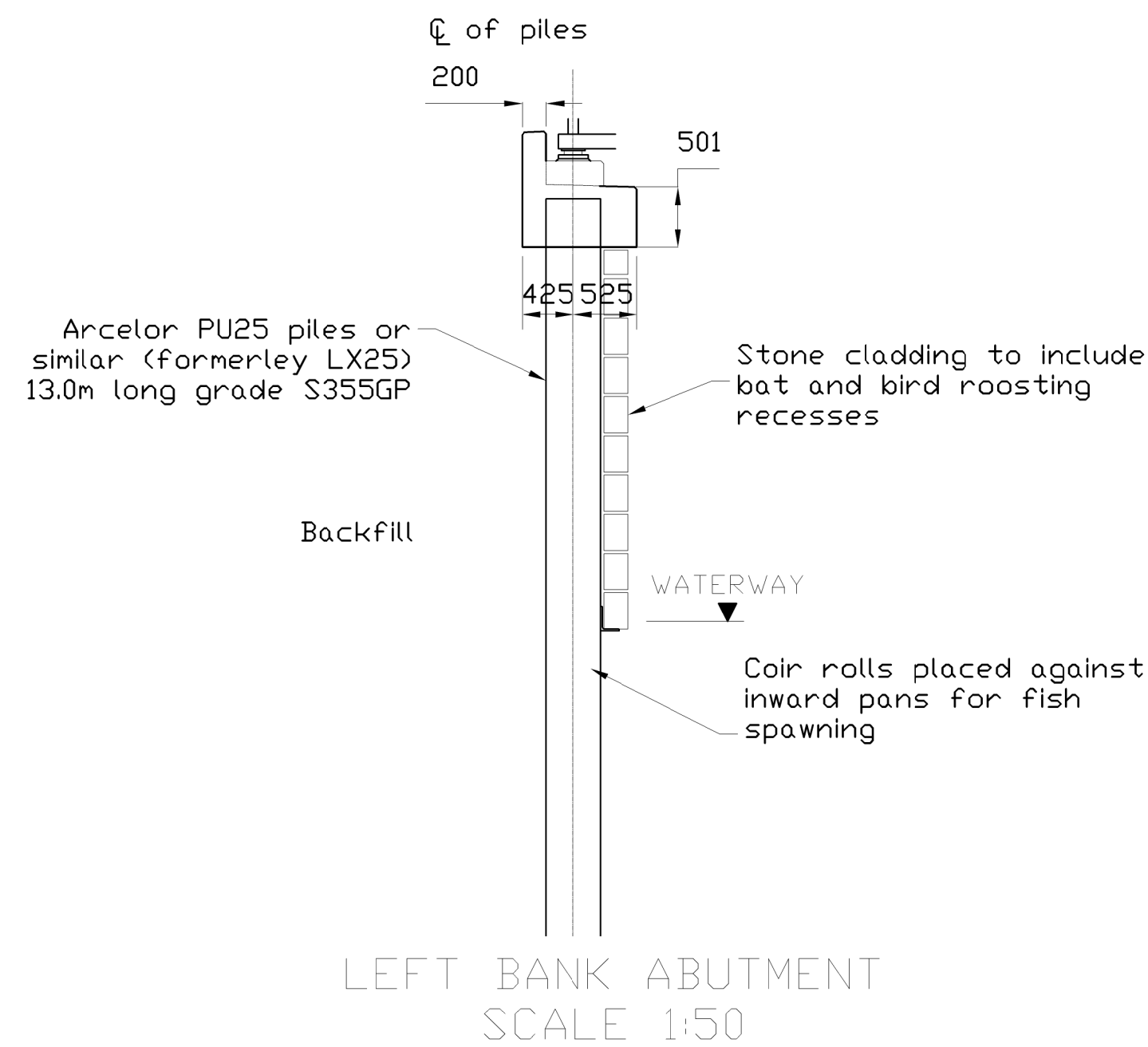
Drawing

**TYPICAL LOCK
BRIDGE DETAILS**

Drawn by: CM	Date: 20/02/14
Checked by: JS	Date: 20/03/14
Approved by: JN	Date: 24/02/15

Drawing No.	Revision
476075-HG-01-00-DR-C-702	0

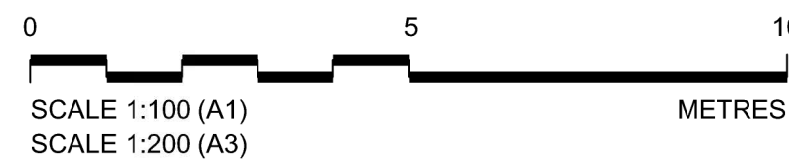
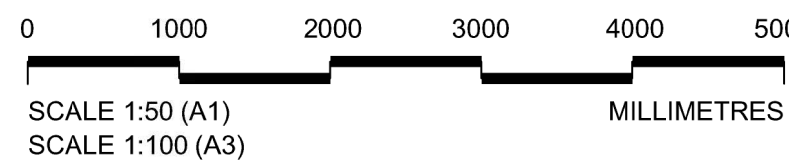
Drawing Scale: AS SHOWN at A1



DECK SECTION
SCALE 1:25

DRAFT

1. DO NOT SCALE FROM THIS DRAWING.
2. ALL LEVELS GIVEN IN METRES WITH THE CHANNEL BED LEVEL AS THE DATUM.
3. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE NOTED.
4. EXCAVATION TO THE FINAL SURFACE FOR THE FOUNDATION OF EARTH STRUCTURES AND EMBANKMENTS SHALL BE CARRIED OUT IMMEDIATELY BEFORE THE COMMENCEMENT OF FILLING.
5. IF ANY PART OF THE EXPOSED GROUND AT THE FINAL SURFACE OF THE EXCAVATION IS CONSIDERED UNSUITABLE DUE TO THE ORGANIC NATURE OF THE MATERIAL OR ITS SOFT CONSISTENCY (<50KPA), THE CONTRACTOR SHALL EXCAVATE AND REMOVE SUCH UNSUITABLE MATERIAL AND REPLACE IT WITH SUITABLE COHESIVE NON ORGANIC MATERIAL COMPACTED TO A MINIMUM UNDRAINED SHEAR STRENGTH OF 50KPA.
6. WHENEVER FILL IS TO BE DEPOSITED AGAINST THE FACE OF A NATURAL SLOPE, OR SLOPING EARTHWORKS FACE INCLUDING EMBANKMENTS, CUTS, OTHER FILLS AND EXCAVATIONS, SUCH FACES SHALL BE BENCHED.
7. THIS DRAWING IS BASED ON RIVER THAMES TOWPATH OSNEY FOOTBRIDGE (DRAWING NUMBER: W 5042-003)
8. THIS DRAWING IS INDICATIVE ONLY - SUBJECT TO CHANGE AT DETAIL DESIGN STAGE.



0	CM	JS	JN	24/02/15	FOR INFORMATION
Rev	By	Chkd	Apprvd	Date	Description

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Project

BEDFORD MILTON
KEYNES WATERWAY
BELL FARM

Drawing

TYPICAL WATERWAY FOOTBRIDGE

Drawn by: CM Date: 24/03/14

Checked by: JS Date: 20/03/14

Approved by: JN Date: 24/02/15

Drawing No.	Revision
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476075-HG-01-00-DR-C-705	0
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Drawing Scale: AS SHOWN at A1

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