

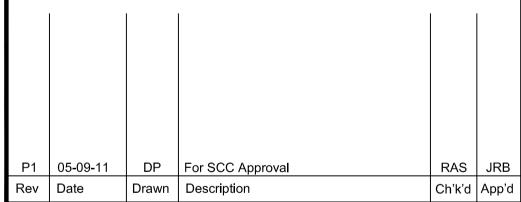
- All dimensions are in mm and chainages and co ordinates in m unless otherwise noted.
- All levels are in metres AOD unless otherwise noted. This drawing to be read in conjunction with all other relevant drawings and
- specification. The length of the vertical drains to be confirmed on site and to terminate at top
- of gravel.
- All materials classes are specified in Appendix 6/1 of the Specification for
- Highways Works Series 600 Earthworks (SHW). PFA shall have maximum particle size of 3mm as per SHW Clause 6001.
- Existing topsoil material shall be stripped to nominal depths of 200mm from all areas of cutting and from all areas to be covered by embankment. Topsoil shall wherever practicable be used immediately after its stripping and if not shall be stored in stockpiles of heights not exceeding 2 m.

 Triax TX 160 by www.tensar.co.uk (or equivalent standard and quality) RE540 Geogrid by www.tensar.co.uk (or equivalent standard and

## Reference drawings

290390 - SHF - 2000 - General Arrangement and Longitudinal Section 290390 - SHF - 2004 - Drainage General Arrangement and Construction Details 290390 - SHF - 3001 - Geotechnical Long Section (Rail Bridge) and Vertical Drains

290390 - SHF - 3002 - Geotechnical Long Section (River Bridge)





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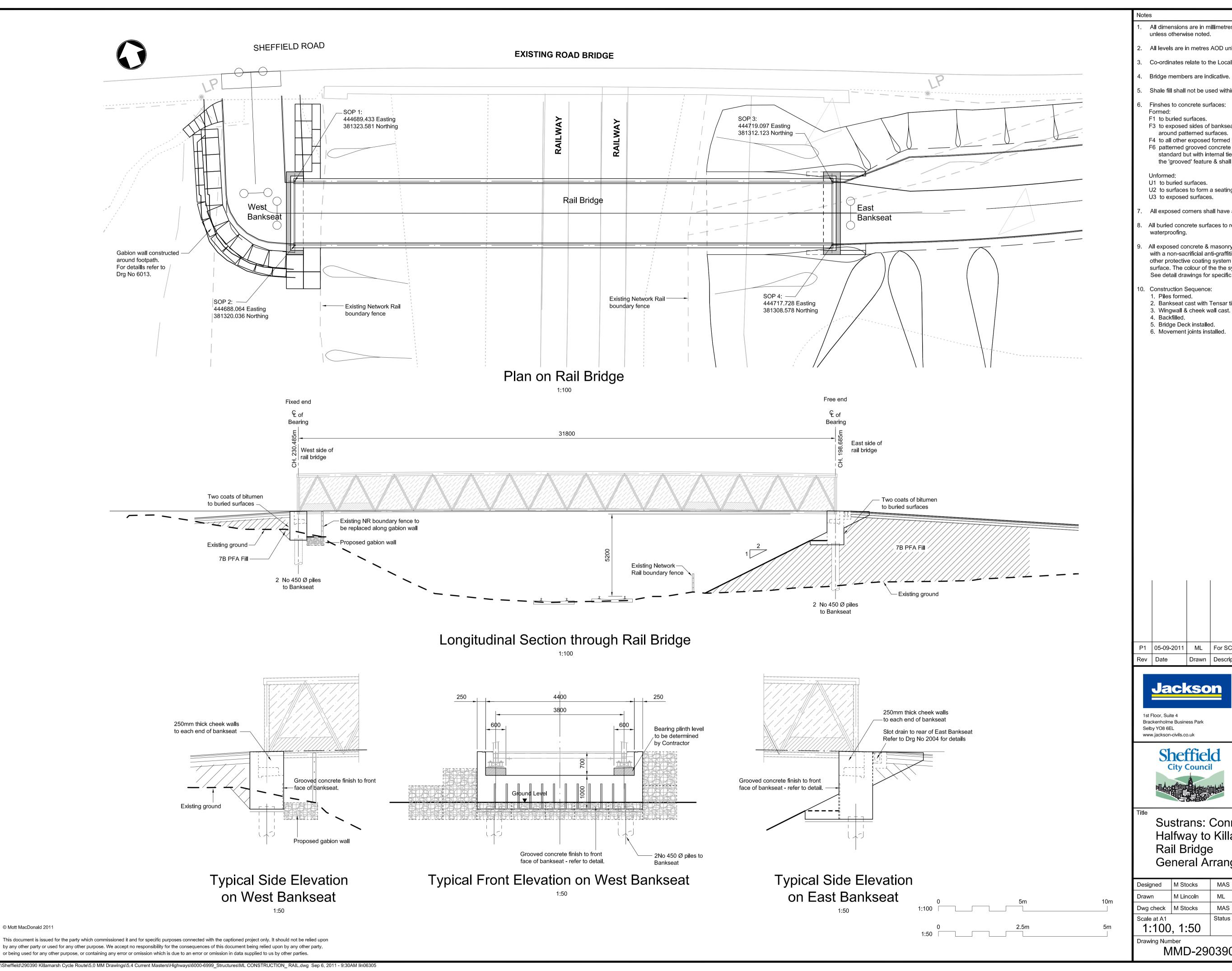
STREET FORCE **DESIGN & BUILD DIVISION** 2-10 CARBROOK HALL ROAD SHEFFIELD S9 2DB Tel. (Reception) 0114-273-6320 Fax 0114-273-6182

Sustrans: Connect2

Halfway to Killamarsh (Phase 1) Geotechnical Cross Sections

1:50		PRE		P1	
Scale at A1		Status		Rev	
Dwg check	E Belczyk	EBB	Approved	J R Bowes	JRB
Drawn	D Payne	DP	Coordination	R A Small	RAS
Designed	E Belczyk	EBB	Eng check	C Hurst	CWH

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- All dimensions are in millimetres and chainages and coordinates in metres unless otherwise noted.
- All levels are in metres AOD unless otherwise noted.
- Co-ordinates relate to the Local Grid Co-ordinate Grid.
- Shale fill shall not be used within 10 metres of a piled structure.
- Finshes to concrete surfaces:

Formed:

- F1 to buried surfaces.
- F3 to exposed sides of bankseat & wingwalls & surfaces forming a frame around patterned surfaces.
- F4 to all other exposed formed surfaces, including bearing plinths.
- F6 patterned grooved concrete finish to the extent shown. F6 finish to be F3 standard but with internal ties permitted. The location of ties shall be within the 'grooved' feature & shall be at regular intervals.
- Unformed:
- U1 to buried surfaces.
- U2 to surfaces to form a seating for bearing strips etc. U3 to exposed surfaces.
- All exposed corners shall have a 25 x 25 chamfer unless otherwise noted.
- All buried concrete surfaces to receive 2 coats of bitumen latex emulsion
- All exposed concrete & masonry surfaces within 3m of ground shall be treated with a non-sacrificial anti-graffiti coating system that is compatible with any other protective coating system or surface impregnation applied to the surface. The colour of the the system shall be clear with a matt finish.
- 10. Construction Sequence:
- Piles formed.
- 2. Bankseat cast with Tensar ties. 3. Wingwall & cheek wall cast.

See detail drawings for specific areas.

- 4. Backfilled.
- 5. Bridge Deck installed.
- 6. Movement joints installed.

P1 05-09-2011 ML For SCC Approval MS GS Drawn Description Ch'k'd App'd



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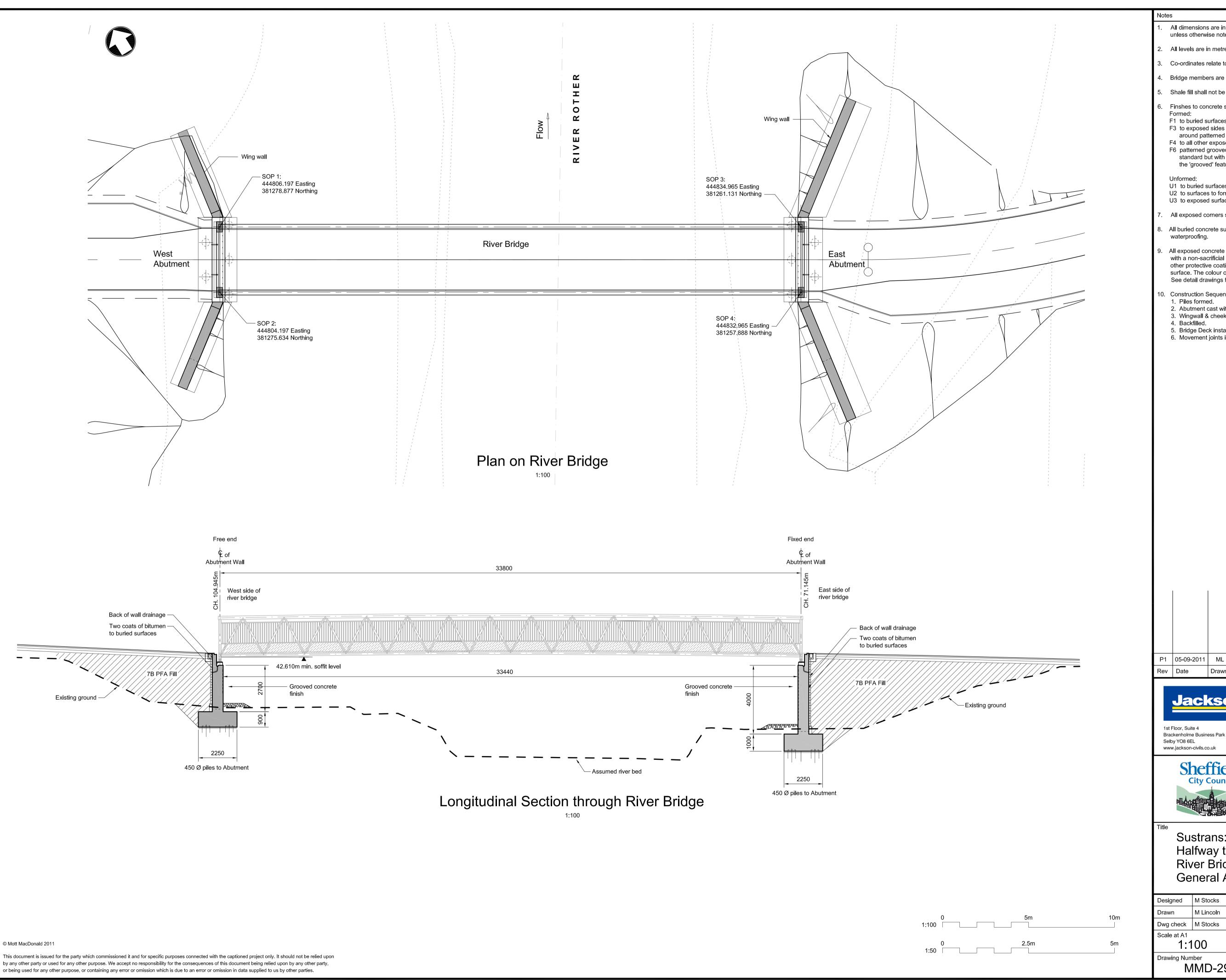
United Kingdom

Sustrans: Connect2 Halfway to Killamarsh (Phase 1) Rail Bridge General Arrangement

1:100, 1:50		PRE		P1	
Scale at A1		Status		Rev	
Dwg check	M Stocks	MAS	Approved	J R Bowes	JRB
Drawn	M Lincoln	ML	Coordination	R A Small	RAS
Designed	M Stocks	MAS	Eng check	D Carr	DC

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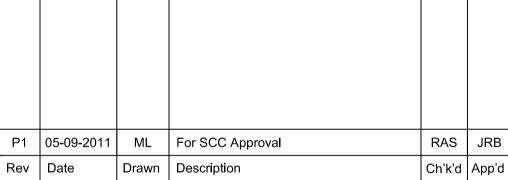
- All dimensions are in millimetres and chainages and coordinates in metres unless otherwise noted.
- . All levels are in metres AOD unless otherwise noted.
- Co-ordinates relate to the Local Grid Co-ordinate Grid.
- . Bridge members are indicative.
- Shale fill shall not be used within 10 metres of a piled structure.
- Finshes to concrete surfaces:

## Formed: F1 to buried surfaces.

- F3 to exposed sides of Abutment & wingwalls & surfaces forming a frame around patterned surfaces.
- F4 to all other exposed formed surfaces, including bearing plinths.
  F6 patterned grooved concrete finish to the extent shown. F6 finish to be F3 standard but with internal ties permitted. The location of ties shall be within the 'grooved' feature & shall be at regular intervals.

## Unformed:

- U1 to buried surfaces.
- U2 to surfaces to form a seating for bearing strips etc. U3 to exposed surfaces.
- All exposed corners shall have a 25 x 25 chamfer unless otherwise noted.
- All buried concrete surfaces to receive 2 coats of bitumen latex emulsion waterproofing.
- All exposed concrete & masonry surfaces within 3m of ground shall be treated with a non-sacrificial anti-graffiti coating system that is compatible with any other protective coating system or surface impregnation applied to the surface. The colour of the the system shall be clear with a matt finish. See detail drawings for specific areas.
- 0. Construction Sequence:
- Piles formed. 2. Abutment cast with Tensar ties.
- 3. Wingwall & cheek wall cast.
- 4. Backfilled.
- 5. Bridge Deck installed.
- 6. Movement joints installed.





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Sustrans: Connect2

Halfway to Killamarsh (Phase 1) River Bridge General Arrangement

1:100		PRE		P1	
Scale at A1		Status		Rev	
Dwg check	M Stocks	MAS	Approved	J R Bowes	JRB
Drawn	M Lincoln	ML	Coordination	R A Small	RAS
Designed	M Stocks	MAS	Eng check	D Carr	DC

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