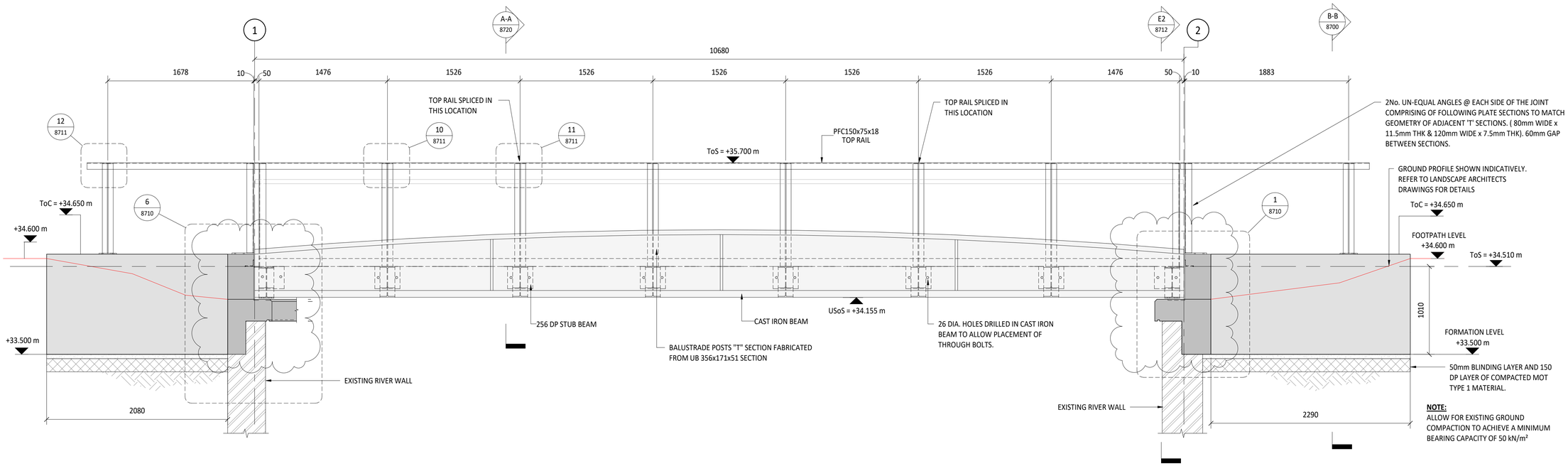


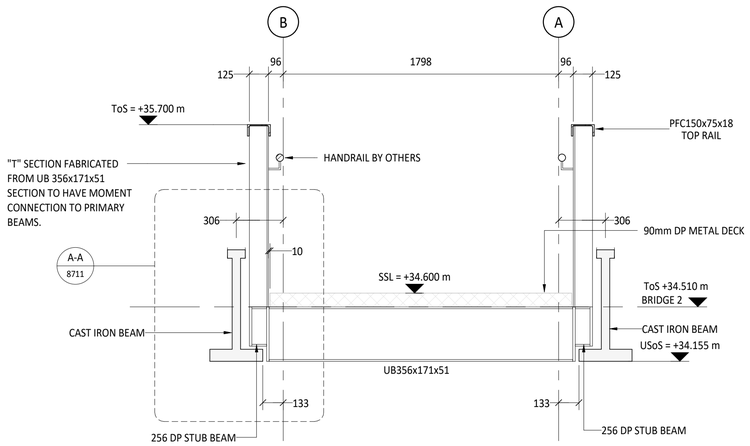
ELEVATION - E1

SCALE: 1 : 25 @ A1

SPECIFICATION FOR TREATMENT OF CAST IRON BEAMS SURFACE PREPARATION:

- THOROUGHLY WASH DOWN ALL THE CAST IRON AND THEN DRY THOROUGHLY.
- PREPARE THE SURFACE BY BLAST CLEANING TO SA 2 1/2 BS EN ISO 8501-1:2009.

THE SELECTED CAST IRON BEAMS ARE 10.68M LONG EACH. THE DESIGN PROPOSALS ASSUME 25MM TOLERANCE FOR LONGITUDINAL IRREGULARITIES IN CAST-IRON BEAMS. CONTRACTOR TO ENSURE THAT THE EXISTING BEAMS MEET THE DESIGN TOLERANCE



SECTION A-A

SCALE: 1 : 20 @ A1

Standard Notes

1. This drawing is to be read in conjunction with all relevant Architect's and Engineer's drawings and the specifications.
2. This drawing should not be scaled.
3. All dimensions are to be verified by the contractor on site.
4. All discrepancies should be reported to C.A. prior to the commencement of works.

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Notes and Keys

GENERAL NOTES

ALL DIMENSIONS ARE IN MILLIMETRES UNLESS STATED OTHERWISE.

ALL LEVELS ARE IN METERS UNLESS STATED OTHERWISE. PROPOSED LEVELS WERE TAKEN FROM GILLESPIES DRAWING P20567-00-001-GIL-0101-00 UNLESS STATED OTHERWISE.

ALL SETTING OUT TO BE APPROVED BY GILLESPIES PRIOR TO FABRICATION AND / OR CONSTRUCTION.

DIMENSIONS OF EXISTING FEATURES ARE BASED ON SURVEY INFORMATION. CONTRACTOR TO CHECK AND CONFIRM DIMENSIONS OF EXISTING STRUCTURES/OBSTACLES (INCLUDING FULL EXTENT OF CHIMNEY FOUNDATIONS) PRIOR TO FABRICATION AND / OR CONSTRUCTION. THE DESIGN TEAM MUST BE NOTIFIED OF ANY DISCREPANCIES PRIOR TO FABRICATION AND / OR CONSTRUCTION.

ALL EARTHWORKS TO BE UNDERTAKEN IN ACCORDANCE WITH SPECIFICATION FOR HIGHWAY WORKS UNLESS STATED OTHERWISE.

MATERIAL & FINISHES

WEATHERING STEEL S355J2W TO BE USED THROUGHOUT.

CONNECTION BETWEEN THE PRIMARY BEAMS AND BALUSTRADE POSTS/SECONDARY BEAMS TO BE WELDED. ALL OTHER CONNECTIONS TO BE BOLTED USING WEATHERING STEEL BOLTS MIN GR10.9.

FOR STEEL FINISHES REFER TO GILLESPIES DRAWINGS.

LOADING

CROWD / PEDESTRIAN LIVE LOAD: 5.0kN/m² (CS 454, cl. 5.32, BS EN 1991-2:2003).

HORIZONTAL BALUSTRADE:

TABLE NA8. NA. TO BS EN 1991-1-1:2002

LOADING. LINE LOAD (SLS) = 1.5kN/m
POINT LOAD (SLS) = 1.5 kN

ACCIDENTAL ACTIONS

THE BRIDGE WAS NOT DESIGNED FOR VEHICULAR IMPACT LOADING AS PER CLIENT'S REQUIREMENTS. THEREFORE THE USE OF ANY VEHICLE ACROSS THE WALKWAY IS STRICTLY PROHIBITED. REFER TO LANDSCAPE ARCHITECTS DETAILS FOR VEHICLE ACCESS PREVENTION MEASURES.

Date	Rev	Description	Drawn	Chkd
28.09.21	A.2	CONSTRUCTION UPDATE - CAPPING BEAMS UPDATED	PMe	TL
17.08.21	A.1	STEELWORK UPDATED FOR CONSTRUCTION	IG	TL
06.08.21	A	STEELWORK ISSUED FOR CONSTRUCTION	PMe	TL
04.06.21	S4	ISSUED FOR APPROVAL	JS	TL
28.05.21	S3	FOR INTERNAL REVIEW	PMe	TL

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Project

MAYFIELD PARK

Title

BRIDGE 02 - ELEVATIONS & SECTIONS

Status

CONSTRUCTION

Project Number	Scale @ A1	Date Created	Drawn	Checked	Suitability
1076-13	SHOWN	MAY 21	PMe	TL	-

Drawing Number	Revision
MAY101-WSS-EXT-CIV-DR-7030-8720	A.2