

NOTE: -

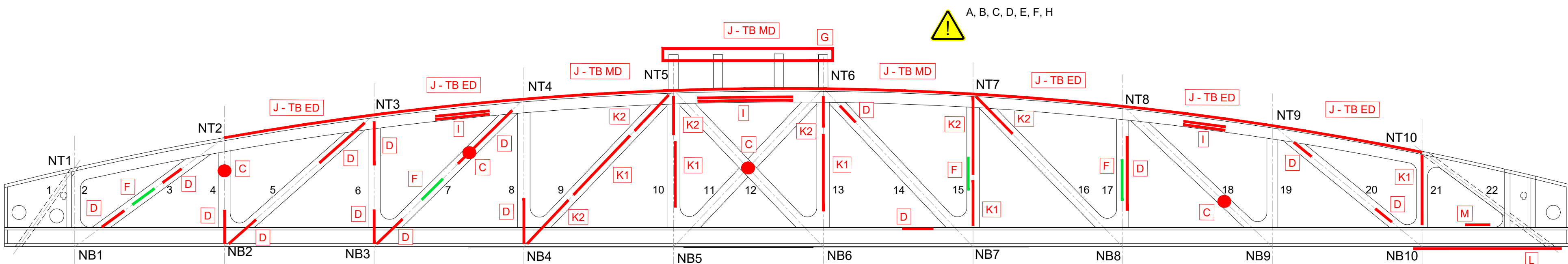
IN CASE POST GRIT BLAST INSPECTION REVEALS SIGNIFICANT LOSS OF SECTION TO RIVETS (GREATER THAN 50% CORRODED), THE RIVETS SHALL BE REPLACED BY TCB BOLTS. THIS SHALL BE PARTICULARLY CHECKED ON THE EXPOSED OUTER FACES OF TOP / BOTTOM BOOMS WHERE CORROSION IS OBSERVED TO BE LEADING TO SIGNIFICANT LOSS OF RIVET SECTION.

THE HANDRAILS ON SWING SPAN ARE TO BE FULLY REPLACED.

SOUTH TRUSS DEFECTS (SPAN 4)

(TRACK SIDE ELEVATION)

SCALE 1:100



NORTH TRUSS DEFECTS (SPAN 4)

(TRACK SIDE ELEVATION)

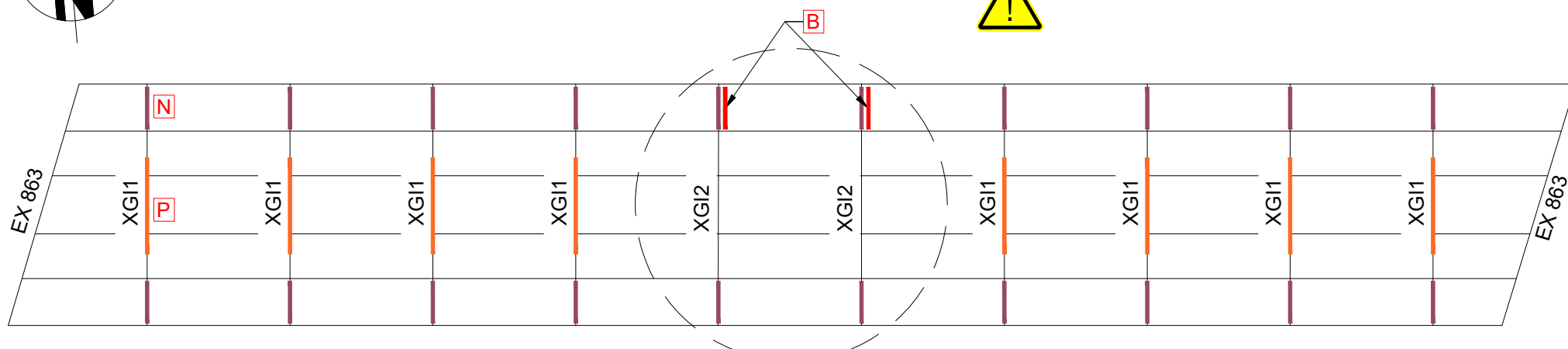
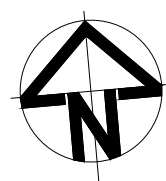
SCALE 1:100

TRUSS	TOP / BOTTOM	NODE NUMBER
NORTH TRUSS	TOP	NT1 TO NT10
NORTH TRUSS	BOTTOM	NB1 TO NB10
SOUTH TRUSS	TOP	ST1 TO ST10
SOUTH TRUSS	BOTTOM	SB1 TO SB10

TRUSS MEMBER	MEMBER No.
DIAGONAL	1,3,5,7,9,11,12,14,16,18,20 & 22
VERTICAL	2,4,6,8,10,13,15,17,19 & 21

NOTES ON SPLICING:

- WHERE VERTICAL / DIAGONAL MEMBERS ARE PROPOSED TO BE STRENGTHENED. THE FOLLOWING SPLICE DETAILS ARE APPLICABLE-
- SPLICING OF FLANGE STRENGTHENING PLATES WITH GUSSET PLATE AT CONNECTION WITH TOP BOOM 'REFER TO DRAWING NUMBER 152093-ARC-DRG-ECV-000020'.
- SPLICING OF ANGLE SECTIONS BETWEEN EXISTING SOUND METAL AND REPLACEMENT ANGLE - REFER TO DRAWING NUMBER 152093-ARC-DRG-ECV-000020.
- SPLICING OF FLANGE STRENGTHENING PLATES ON THE TRACK SIDE OF TRUSS VERTICALS AT THE INTERFACE WITH BOOM BRACKET OVER CROSS GIRDER - REFER TO DRAWING NUMBER 152093-ARC-DRG-RCV-000021.



KEY PLAN - SPAN 4 CROSS GIRDERS

SCALE : 1:25

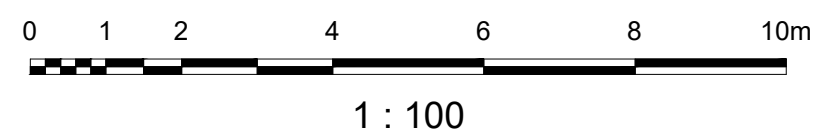
HAZARD SUMMARY TABLE	SIGNIFICANT DESIGNER'S IDENTIFIED HAZARDS		LIFE SAVING RULES	
	SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION			
A	WORKING ON / ADJACENT TO LIVE RAILWAY			
	DAMAGING TRACK SIDE INFRASTRUCTURE			
B	WORKING OVER A WATERCOURSE			
	PRESENCE OF LEAD WITHIN EXISTING PAINTWORK			
C	TEMPORARY INSTABILITY OF THE STRUCTURE DURING THE WORK			
	TEMPORARY WORKS NEED TO CONSIDER GAUGING			
D	FAILURE OF TEMPORARY WORKS			
	FOR MORE DETAILED INFORMATION PLEASE REFER TO THE PROJECT HAZARD RECORD LOG. DOCUMENT REF.: 152093-ARC-LOG-SSD-000001			

NOTES:

- ALL DIMENSIONS ARE IN MILLIMETRES AND LEVELS ARE IN METRES AOD UNLESS NOTED OTHERWISE.
- DO NOT SCALE OFF THIS DRAWING. USE FIGURED DIMENSION ONLY.
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH DRAWINGS:
152093-ARC-DRG-ECV-000004,
152093-ARC-DRG-ECV-000005,
152093-ARC-DRG-ECV-000007 &
152093-ARC-DRG-ECV-000013.
- REFER TO DRAWINGS. 152093-ARC-DRG-ECV-000028 TO 152093-ARC-DRG-ECV-000030 FOR DEFECT / REPAIR SCHEDULES AND PAINTWORK SPECIFICATIONS.

LEGEND:

TB ED	-	TOP BOOM END SPAN
TB MD	-	TOP BOOM MID SPAN
J	-	STRENGTHENING OF TOP BOOM
G	-	REPLACEMENT OF OVERHEAD BEAMS
K1	-	STRENGTHENING OF AS-BUILT SECTION OF TRUSS VERTICAL / DIAGONAL
K2	-	STRENGTHENING OF REDUCED SECTION OF TRUSS VERTICAL / DIAGONAL
XG1	-	TYPICAL CROSS - GIRDER
XG2	-	CROSS - GIRDER OVER PIVOT (INTERMEDIATE) SUPPORT
EX 863	-	END CROSS GIRDER
	-	PROPOSED STRENGTHENING
	-	REMOVE THE EXISTING REPAIR STEELWORK
	-	WEB STRENGTHENING TO CROSS GIRDER
	-	BOTTOM FLANGE OVER PLATING OF CROSS GIRDER
	-	INSTALL BOLTS AND SEAL HOLES
	-	CLEAR THE DEBRIS IN THE JOINTS



A02	12.06.2020	UPDATED TO DRN COMMENTS	T.A	B.K	J.L
A01	24.04.2020	FOR FORM 001 REVIEW	K.S	B.K	J.L
Rev	Date	Description of Revisions	Drawn	Chkd	Appr
Status	FOR FORM 001 REVIEW				S3



Contractor(s):



Project:

RIVER NEATH SWING
BRIDGE GRIP 4

Drawing Title:

SWING SPAN - PROPOSED REPAIR
AND
STRENGTHENING

Designed	S. ALURU	Signed	S.A	Date	12.06.2020
Drawn	K. SRILEKHA	Signed	K.S	Date	12.06.2020
Checked	B. KING	Signed	B.K	Date	12.06.2020
Approved	J. LYNN	Signed	J.L	Date	12.06.2020

Scale(s)	AS SHOWN @ A1	ELR & Mileage	SD11 207m 63ch
Alternative Reference	152093	Sheet	1 of 1
Drawing Number	152093-ARC-DRG-ECV-000039	Revision	A02