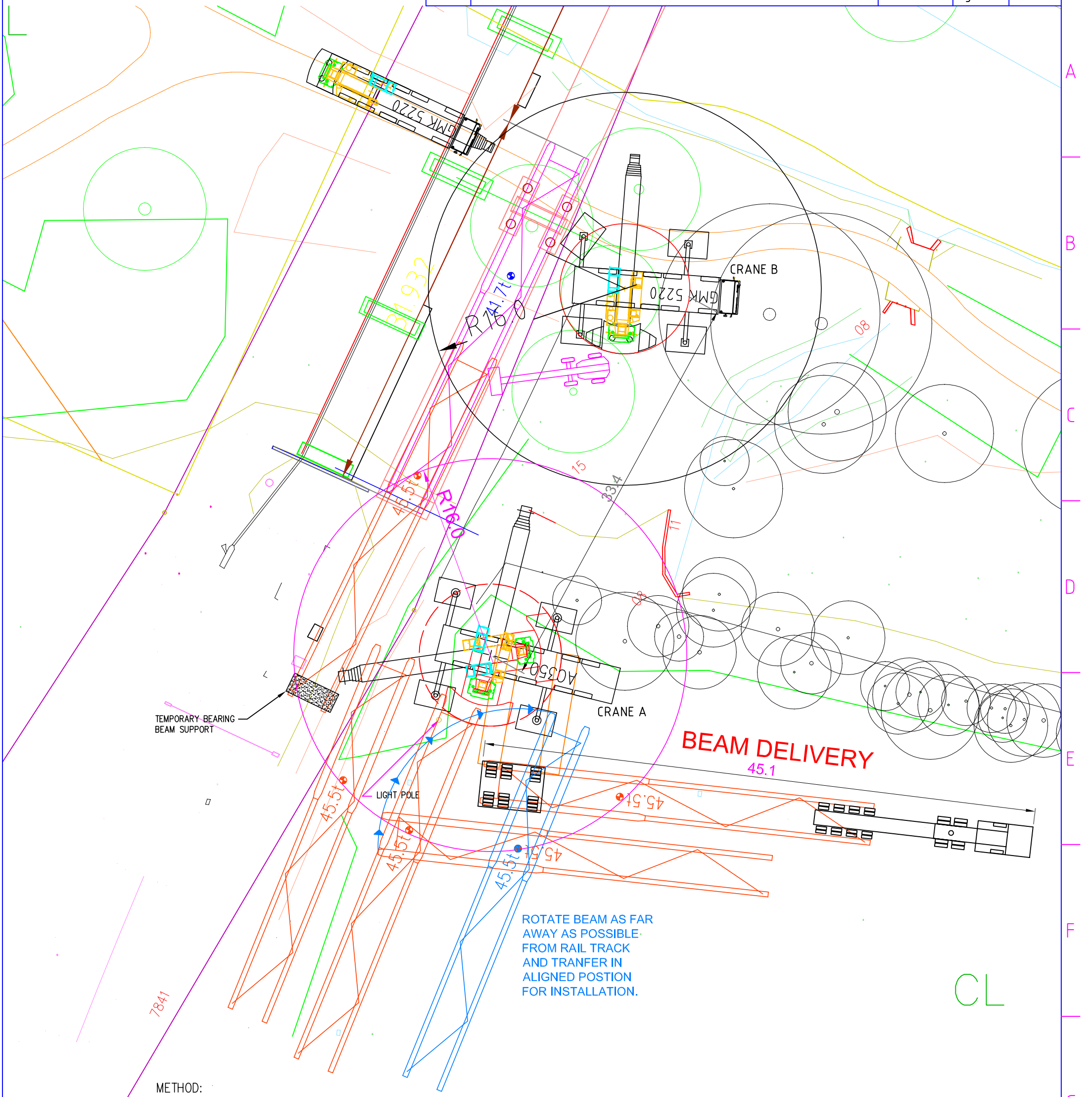
RevNo	Revision note	Date	Signature	Checked



METHOD:
SINGLE LIFT BEAM FROM TRUCK WITH CRANE 'A' WITHIN 16M RADIUS.
LAND SOUTH END OF BEAM ON TEMPORARY BLOCK AND HOOK
NORTH END OF BEAM TO CRANE 'B' WITHIN 16M RADIUS.
CRANE 'A' TO DERIG & HOOK UP BEAM ON SOUTH END.
BOTH CRANES TO DUAL LIFT BEAM INTO POSITION WITHIN
16M WORKING RADIUS.

BEAM (SG1 + PG1) WEIGHT = 45.5 TONNE (APPROX.)

	CRANE A
SINGLE LIFT	DEMAG AC350
BEAM WEIGHT	45.5 TONNE
RIGGING & HOOKBLOCK (EST)	2.5 TONNE
TOTAL LIFT WEIGHT	48.0 TONNE
BOOM LENGTH	37.7m
COUNTERWEIGHT	82 TONNE
MAX LIFT RADIUS	16m
CRANE CAPACITY @ MAX RADIUS	50 TONNE
MAXIMUM OUTRIGGER LOAD (est.)	105 TONNE
BOG MAT SIZE	3m x 2m

	CRANE A	CRANE B
DUAL LIFT	DEMAG AC350	GROVE GMK5220
BEAM WEIGHT DISTRIBUTION (+20%)	20 TONNE	35.5 TONNE
RIGGING & HOOKBLOCK (EST)	1.5 TONNE	1.5 TONNE
TOTAL LIFT WEIGHT	21.5 TONNE	37 TONNE
BOOM LENGTH	37.7m	31.77m
COUNTERWEIGHT	82 TONNE	77 TONNE
MAX LIFT RADIUS	16m	16m
CRANE CAPACITY @ MAX RADIUS	50 TONNE	39 TONNE
MAXIMUM OUTRIGGER LOAD (est.)	105 TONNE	90 TONNE
BOG MAT SIZE	3m x 2m	3 m x 2 m

Drawn by:	Checked by	Approved by - date	File name	Date	Scale
T. Arena		PRELIMINARY		18/09/2008	

THIS DRAWING & INFORMATION CONTAINED HEREIN IS PROPRIETARY TO METCALF CRANE SERVICES PTY LTD AND SHALL NOT BE REPRODUCED, COPIED OR DISCLOSED IN WHOLE OR IN PART FOR ANY OTHER PURPOSE WITHOUT THE WRITTEN PERMISSION OF METCALF CRANE SERVICES PTY LTD

METCALF CRANE SERVICES PTY LTD
74–76 FREIGHT DRV. SOMERTON
VICTORIA 3062
PH 03 9308 0044
FAX 03 9308 0123

Project: CLIFTON HILL RAIL BRIDGE
BEAM No. 1 ABT A - PIER B

Client: JOHN HOLLAND GROUP

Edition

Sheet 1 of 1