

SECTION 30

BRIDGE WIDENINGS

30 BRIDGE WIDENINGS

30.1 *GENERAL*

Drawings for bridge widenings prepared by the Authority or by Consultants for Authority shall follow the same format as that for a new bridge with the set of drawings being in the order as stated in Clause 4.4 of this Manual.

The description of the work on the cover sheet and in the title block on each sheet shall include the word "WIDENING" as shown in figures 30.1.1 and 30.1.2 respectively.

The orientation of the General Arrangement sheet for a structure that is widened on one side only shall be such that the widening is shown on the Elevation face. In some cases this will necessitate reversing the conventional rules of orientation as stated in Clause 18.5 of this Manual and it is as illustrated in Figure 30.1.2.

When detailing bridge widenings, it is unnecessary to fully detail the existing structure, however sufficient detail shall be shown and the treatment fully described in order that the extent of the works can be clearly ascertained.

30.2 *DRAWINGS*

The General Arrangement shall be prepared in accordance with Section 21 of this Manual.

Dimensioning of the widened work shall be shown in relation to a Control Line and NOT from the centreline of the existing bridge or any part thereof.

Detail drawings shall show the following :

- All necessary details for the construction of the new work
- Details of the joint between the existing structure and the new work
- All sections of the existing structure which are to be demolished as well as the dimensions for and extent of the demolition
- A note stating that all dimensions shall be verified on site and that they shall be adjusted to suit the actual Work-as-Executed dimensions of the existing structure
- Stages of construction and widths available for traffic at each stage
- Provision and removal of any temporary barriers

30.3 *LINWORK AND SHADING*

The existing structure shall be depicted by a thin double dashed line and the extent of the widening shall be depicted by a thick continuous line as defined in Section 7 of this Manual.

Parts of the existing structure to be demolished shall be depicted by hatching.

The method of depicting work to be demolished shall be noted on the General Arrangement sheet under the General Notes and shall be consistent throughout the entire set of the drawings.



ROADS AND TRAFFIC AUTHORITY OF NSW

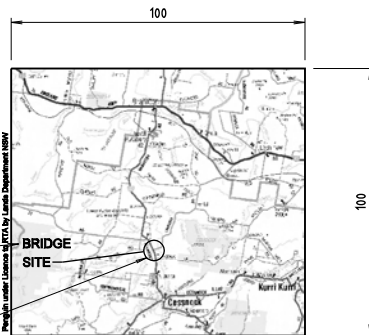
MAIN ROAD No 220
ALLANDALE ROAD

CITY OF CESSNOCK

BRIDGE OVER POKOLBIN CREEK AT 5.0km NORTH OF CESSNOCK WIDENING

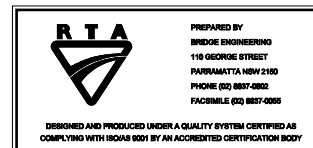
SCHEDULE OF DRAWINGS

- | | | | |
|----|------------------------------------|----|------------------------------------|
| 1 | COVER SHEET | 12 | ABUTMENT B REINFORCEMENT - SHEET C |
| 2 | GENERAL ARRANGEMENT | 13 | PIERS |
| 3 | PILES AND PILE LAYOUT | 14 | 9m SPAN PSC PLANK |
| 4 | ABUTMENTS CONCRETE - SHEET A | 15 | DECK - SHEET A |
| 5 | ABUTMENTS CONCRETE - SHEET B | 16 | DECK - SHEET B |
| 6 | ABUTMENTS CONCRETE - SHEET C | 17 | DECK - SHEET C |
| 7 | ABUTMENT A REINFORCEMENT - SHEET A | 18 | DECK - SHEET D |
| 8 | ABUTMENT A REINFORCEMENT - SHEET B | 19 | CYCLIST RAILING - PANELS |
| 9 | ABUTMENT A REINFORCEMENT - SHEET C | 20 | CYCLIST RAILING - DETAILS |
| 10 | ABUTMENT B REINFORCEMENT - SHEET A | 21 | BAR SHAPES DIAGRAM |
| 11 | ABUTMENT B REINFORCEMENT - SHEET B | | |



LOCALITY PLAN

THE BRIDGE SITE IS APPROXIMATELY
220km BY ROAD FROM SYDNEY



EXISTING BRIDGE: 1964
BRIDGE No: 1656
REGISTRATION No OF PLANS: 0220 085 BC 0111

WIDENING: 2006
DESIGN FILE No: 6M2049
DESIGN STANDARD: AS 5100 - BRIDGE DESIGN
TRAFFIC BARRIER PERFORMANCE LEVEL: REGULAR

FIGURE 30.1.1

REGISTRATION No OF PLANS	0220 085 BC 0956		
ISSUE STATUS:	FOR CONSTRUCTION		
SHEET No	1	No OF SHEETS	21
ISSUE	A		

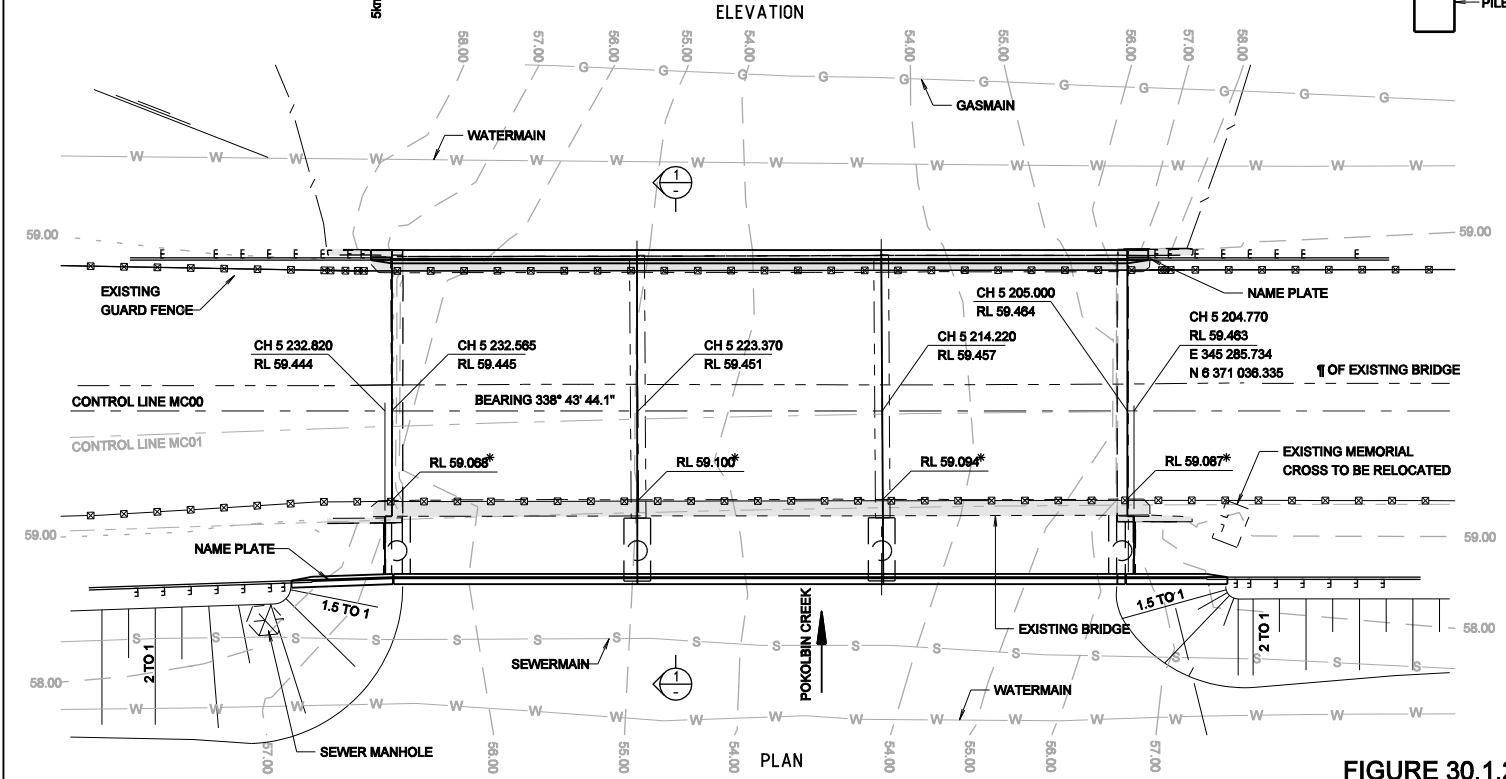
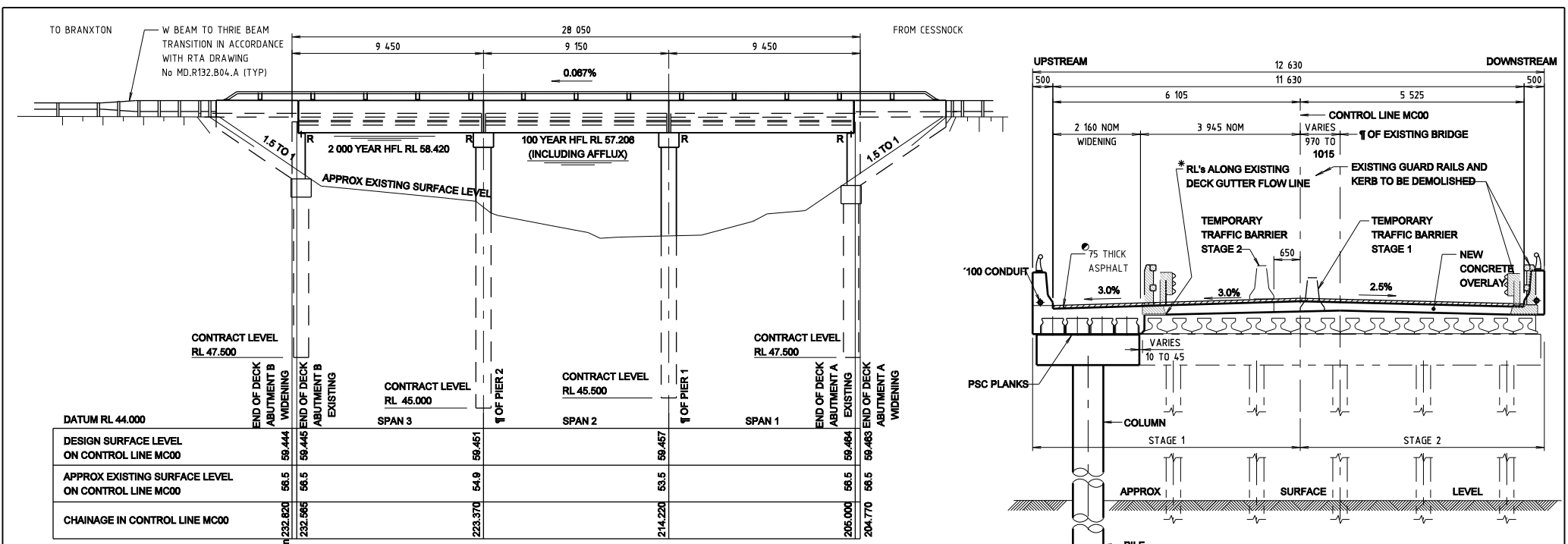


FIGURE 30.1.2

GENERAL NOTES

SCALE 1:0.5 OR AS SHOWN.

DIMENSIONS ARE IN MILLIMETRES
CHAINAGES AND REDUCED LEVELS ARE IN METRES
REDUCED LEVELS ARE RELATED TO AUSTRALIAN HEIGHT DATUM.

COMBINED SYSTEM OF WEARING SURFACE AND SUITABLE BITUMINOUS WATERPROOFING MEMBRANE.

FOR EXISTING UTILITIES SEE DRAWING REGISTRATION No 0220 085 BA 3799.

FOR CONSTRUCTION SEQUENCE SEE SHEET No 6

ISSUE	DATE	REVISION	PREP	CHECK	AUTH
ROADS AND TRAFFIC AUTHORITY OF NSW					
MAIN ROAD No 220			CITY OF CESSNOCK		
BRIDGE OVER POKOLBIN CREEK AT 5.0 km NORTH OF CESSNOCK WIDENING					
GENERAL ARRANGEMENT					
		PREPARED BY BRIDGE ENGINEERING 110 GEORGE STREET PARRAMATTA NSW 2150 PHONE (02) 8857-0802 FACSIMILE (02) 8857-0065		CLIENT HUNTER REGIONAL OFFICE 66 DARBY STREET NEWCASTLE LOCKED BAG 30 NEWCASTLE NSW 2300 PHONE (02) 4924-0240 FACSIMILE (02) 4924-0344	
		PREPARED _____ DESIGN _____ DRAWING _____	CHECKED _____ _____ _____	REGISTRATION No OF PLANS 0220 085 BC 0956	
MANAGER, BRIDGE DESIGN PROJECTS		SHEET No 2 ISSUE A		ISSUE STATUS: FOR CONSTRUCTION	