

GENERAL

- G1. DIMENSIONS ARE IN MILLIMETERS.

G2. STATIONS AND REDUCED LEVELS #

G3. REDUCED LEVELS ARE RELATED TO

G4. ABBREVIATIONS -

E DENOTES EXPANSION BEARII

F DENOTES FIXED BEARING.

R DENOTES RESTRAINED BEAR

SOP DENOTES SETTING OUT POIN

LV DENOTES LENGTH VARIES.

EJ DENOTES EXPANSION JOINT.

CJ DENOTES CONSTRUCTION JC

BJ DENOTES BARRIER JOINT.

ABR ALTERNATE BARS REVERSE

ABS ALTERNATIVE BARS STAGGE

SL STAGGERED LAPS.

NSOP NOTSHOWN ON PLAN.

NCF NO CHAMFER OR FILLET.

UNO UNLESS NOTED OTHERWISE.

HFL HIGH FLOOD LEVEL.

NWL NORMAL WATER LEVEL.
- G5. INFORMATION OF EXISTING SERVICES AND UTILITIES SHOWN ARE BASED ON SURVEY DATA AVAILABLE AT TIME OF DESIGN AS SUCH THE ACCURACY AND EXISTENCE OF OTHER MISSING INFORMATION SHOULD BE VERIFIED BEFORE WORK COMMENCES ON SITE.

G6. OPTIONAL CONSTRUCTION JOINTS OTHER THAN THOSE SHOWN ON THE DRAWINGS SHALL BE SUBMITTED TO THE STRUCTURAL DESIGN REPRESENTATIVE FOR APPROVAL.

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Central-Darling-Shire-Council

D02/2022-PAN-200600

Section-4.16-(1)-(a)-of-the

Environmental-Planning-and-Assessment-Act-1979

Approved-by-Council-26-April-2022

Director-Shire-Services

REINFORCEMENT - ABUTMENTS, PIERS, FOOTINGS & SUPERSTRUCTURES

R1. NOMINAL COVER TO REINFORCEMENT NEAREST TO THE CONCRETE SURFACE SHALL BE IN ACCORDANCE WITH TABLE 2 UNO.

R2. UNLESS NOTED OTHERWISE ON THE DRAWINGS, LAPS ON ADJACENT BARS ON ANY FACE SHALL BE STAGGERED BY NO LESS THAN THE LAP LENGTH.

R3. UNLESS OTHERWISE SPECIFIED, THE MINIMUM DEVELOPMENT LENGTHS AND LENGHTS OF LAPS SHALL BE AS GIVEN IN TABLE 1 BELOW.

TABLE 1

BAR SIZE	N12	N16	N20	N24	N28	N32	N36
HORIZONTAL BARS WITH >300mm OF CONCRETE CAST BELOW THE BAR	400	650	750	900	1150	1500	1750
OTHER BARS	300	500	600	700	900	1200	1400

R4. WHERE MORE THAN 50% OF BARS ARE LAPPED IN ANY ONE CROSS SECTION ON ANY FACE, THE LAPS SHOWN IN THE TABLE ABOVE SHALL BE INCREASE BY A FACTOR OF 1.3.

R5. REINFORCEMENT MAY BE DISPLACED SLIGHTLY WHERE NECESSARY TO CLEAR STEEL DOWELS, ANCHOR BOLTS, DRAINAGE PIPES, FORMED HOLES AND RECESSES.

R6. MECHANICAL COUPLERS SHALL BE CAPABLE OF DEVELOPING A STRESS IN TENSION OR COMPRESSION OF NO LESS THAN 1.1fsy, AS APPROPRIATE TO THE WEAKER BAR AT THE SPLICE. THE COUPLER SHALL BE SUBMITTED TO THE SITE SUPERINTENDENT FOR APPROVAL.

R7. WHERE HELICAL REINFORCEMENT IS SHOWN: THE HELIX SHALL BE ANCHORED AT ITS ENDS BY ONE AND ONE HALF EXTRA TURNS OF THE HELIX AT 50mm PITCH. IT MAY BE SPLICED WITHIN ITS LENGTH EITHER BY WELDING OR BY MECHANICAL MEANS.

R8. WHERE PRACTICABLE BARS ARE NUMBERED STARTING WITH '1' AS THE FIRST BAR PLACED AT THE BOTTOM OF EACH STRUCTURAL ELEMENT.

R10. FOR REINFORCEMENT BAR SHAPES REFER TO STANDARD BAR SHAPES DRAWINGS.

UNLESS OTHERWISE SHOWN ON INDIVIDUAL DRAWINGS, THESE NOTES APPLY TO ALL BRIDGE DRAWINGS.

CONCRETE - ABUTMENTS, PIERS, FOOTINGS & SUPERSTRUCTURES

C1. ALL CONCRETE SHALL BE CONSTRUCTED IN ACCORDANCE WITH RTA SPECIFICATION B80.

C2. EDGES SHALL BE CHAMFERED 20x20 AND REENTRANT ANGLES FILLETED 20x20 UNLESS SPECIFIED OTHERWISE.

C3. GAP BETWEEN PLANK/GIRDER TOP FLANGES SHALL BE FILLED WITH SEALANT COMPRESSIVE BACKING ROD OR PROPRIETARY SEAL.

C4. BLINDING AND MASS CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH EQUAL TO THE STRUCTURAL MEMBER.

C5. MINIMUM THICKNESS OF BLINDING SHALL BE 50mm UNLESS NOTED OTHERWISE.

C6. MINIMUM COMPRESSIVE STRENGTH OF MORTAR AT 28 DAYS TO BE 40MPa UNO.

TABLE 2 - CONSTRUCTION REQUIREMENTS

CONCRETE ELEMENT	LOCATION	CONCRETE SPECIFICATION		NOMINAL COVER TO NEAREST REINFORCEMENT [mm]
		EXPOSURE CATEGORY	CONCRETE f'c [MPa]	
SUPERSTRUCTURE	DECK SLAB	A	40	30 – BOTTOM
	PRECAST PLANKS	A	50	35 – TYPICAL UND
SUBSTRUCTURE	ABUTMENT	B1	40	40 – TYPICAL UND
	PIER HEADSTOCK	B1	40	40 – TYPICAL UND
	PSC PILES	B1	40	70 – TYPICAL UND
MISCELLANEOUS	TRAFFIC BARRIER	A	50	55 – STITCH BEAM
	APPROACH SLABS	B1	40	40-TYPICAL UND
	WING WALL	B1	40	40 – TYPICAL UND

PRECAST CONCRETE FOR STRUCTURES OTHER THAN PSC GIRDERS & PLANKS

PC1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS5100 AND THE RTA SPECIFICATION B115

PC2. DIMENSIONS SHOWN ARE FINAL STRUCTURAL SIZES AND ADDITIONAL CONCRETE MUST BE PROVIDED TO ALLOW FOR LOSS OF STRUCTURAL THICKNESS DUE TO THE USE OF RETARDING AGENTS AND SURFACE TREATMENT.

PC3. PANEL STRUCTURAL THICKNESS SHALL BE AS NOTED.

PC4. ALL METAL WORK AND CAST-IN FIXING SHALL BE HOT DIP GALVANISED IN ACCORDANCE WITH AS1650 UND. TOP SURFACE LIFTING FERRULES LEFT FINALLY EXPOSED SHALL BE STAINLESS STEEL.

PC5. ALL CAST-IN FERRULES SHOWN ON THE DRAWINGS ARE TO REMAIN SEALED UNTIL THE ERECTION OF THE UNIT. THEY ARE NOT TO BE USED FOR LIFTING PURPOSES.

PC6. NO INSERTS SHALL BE 'SHOT' (FIRED) OR DRILLED INTO THE UNITS WITHOUT APPROVAL BE TH ENGINEER.

PC7. FABRIC IN PANELS SHALL BE OF ONE SHEET - NO LAPPING IS PERMITTED UNLESS SHOWN ON STRUCTURAL DRAWINGS.

PC8. PENETRATIONS FOR SERVICES SHALL BE NEAT FORMED HOLES. HOLE BORING THROUGH PANELS WILL NOT BE PERMITTED.

PC9. TEMPORARY STEEL PACKERS TO BE USED FOR LEVELLING MAY BE LEFT PERMANENTLY PROVIDED THEY HAVE A MINIMUM OF 50mm GROUT COVER AND ENSURE BEARING PRESSURE LESS THAN 7MPa.

PC10. ALL SHOP DRAWINGS SHALL BE SUBMITTED TO THE STRUCTURAL DESIGN REPRESENTATIVE FOR APPROVAL BEFORE FABRICATION COMMENCES. SHOP DRAWINGS SHALL SHOW ALL CAST-IN INSERTS.

PC11. EXTRA REINFORCEMENT TO THE PRECAST UNITS, SHALL BE ADDED WHERE REQUIRED BY THE LIFTING METHODS.

PC12. LIFTING DEVICES/HOOKS SHALL BE DESIGNED BY THE PRECAST MANUFACTURER.

PC13. ALL LIFTING DEVICES/HOOKS SHALL BE CUT BACK TO PROVIDE NOMINAL COVER TO THE CONCRETE SURFACE AND PATCHED WITH A CEMENTIYIOUS MORTAR TO NATCH THE PRECAST UNIT SURFACE.

PC14. HANDLING PROCEDURES INCLUDING STRIPPING, LIFTING, STACKING, TRANSPORTATION AND ERECTION OF PRECAST UNITS SHALL BE SUPPLIED TO THE ENGINEER FOR APPROVAL. STRESSES THROUGHOUT HANDLING SHALL NOT CAUSE CRACKING.

GEOTECHNICAL

G1. PILES SHALL BE CONSTRUCTED IN ACCORDANCE TO RTA SPECIFICATION B59.

G2. THE DESIGN FOR PILES AND FOOTINGS HAS BEEN UNDERTAKEN BASED ON A SITE EVALUATION FROM DISCRETE TEST BORE HOLE DATA RECORDED. GENERALISED OR IDEALISED SUBSURFACE CONDITIONS INCLUDING THE INDICATED SOIL STRATUM LEVELS SHOWN OMN THE DRAWINGS HAVE BEEN ASSUMED OR PREPARED BY INTERPOLATION/EXTRAPOLATION OF THIS DATA. LOCAL VARIATIONS OR ANOMALIES IN THE GENERALISED GROUND CONDITIONS CAN OCCUR AS SUCH, THESE CONDITIONS ARE AN INTERPRETATION AND MUST BE CONSIDERED AS A GUIDE ONLY.

G3. WHERE REFERRED TO IN THE DRAWINGS, THE ESTIMATED DEPTH OF ANY FOOTING (PILES, ETC) IS AN ENGINEERING ESTIMATE OF THE DEPTH TO WHICH THEY SHOULD BE CONSTRUCTED. THE DEPTH REMAINS, HOWEVER, AN ESTIMATE AND THEREFORE LIABLE TO VARIATION. VERIFICATION INSPECTION AND MAPPING DURING CONSTRUCTION IS REQUIRED.

G4. ANY CHANGE IN DESIGN, CONSTRUCTION METHOD OR IN GROUND CONDITION AS NOTED DURING CONSTRUCTION, FROM THOSE ASSUMED IN THIS REPORT SHOULD BE REFERRED TO THE GEOTECHNICAL DESIGN REPRESENTATIVE.

G5. BACKFILL MATERIAL TO STRUCTURAL ELEMENTS SHALL BE IN ACCORDANCE WITH RTA SPECIFICATION B30. BACKFILL MATERIAL SHALL BE NON-AGGRESSIVE SUCH THAT THE LOCAL ENVIRONMENT DOES NOT EXCEED AN EXPOSURE CLASSIFICATION OF B1 IN ACCORDANCE WITH AS5100.4.

STEELWORK - MINOR STEEL ITEMS

SS1. STEEL PLATES SHALL BE GRADE 250 TO AS/NZS 3678 U.N.D

SS2. STEEL SECTIONS SHALL BE GRADE 300 TO AS/NZS 3679.1 U.N.D.

SS3. STEEL DOWELS SHALL BE GRADE 250R TO AS4671 U.N.D.

SS4. RECTANGULAR AND SQUARE HOLLOW SECTIONS SHALL BE GRADE C350L0 TO AS 1163 U.N.D.

SS5. BOLTING CATEGOR FOR HIGH-STRENGTH STEEL BOLTS SHALL BE 8.8/S IN ACCORDANCE WITH AS5100.6.

SS6. ALL WELDING SHALL CONFORM TO THE REQUIREMENTS OF AS/NZS1554.1 WITH ADDITIONAL REQUIREMENTS AS GIVEN IN ALLIANCE SPECIFICATION B204. THE WELD CATEGORY SHALL BE SP IN ACCORDANCE WITH AS/NZS 1554.1.

SS7. WELDING SYMBOLS COMPLY WITH AS 1101 PART 3.

SS8. EDGES TO BE PROTECTIVE TREATED SHALL BE ROUNDED TO A RAIDUS OF 1.5mm UNLESS SPECIFIED OTHERWISE.

SS9. ALL COMPONENTS EXCEPTS STAINLESS STEEL ITEMS SHALL BE HOT-DIP GALVANISED AFTER FABRICATION.

SS10. DAMAGED GALVANISED SURFACES SHALL BE RENOVATED WITH A TWO PACK ORGANIC ZINC-RICH PRIMER IN ACCORDANCE WITH RTA SPECIFICATION B220.

SS11. BOLTS, NUTS AND WASHERS SHALL BE HOT-DIP GALVANISED IN ACCORDANCE WITH RTA SPECIFICATION B240.

SS12. EXPOSED BUTT WELDS SHALL BE GROUND FLUSH.

SS13. THE LONGITUDINAL SEAM IN RHS SECTIONS SHALL BE ON THE UNDERSIDE OF HORIZONTAL SECTIONS AND INSIDE OF VERTICAL SECTIONS.

SEALANT JOINTS

SJ1. SEALANT SHALL CONFORM TO RTA SPECIFICATION B312.

SJ2. SEALANT IN CONTACT WITH ASPHALT SHALL BE COMPATIBLE WITH ASPHALT.

SJ3. COLOUR CODED, SELF ADHESIVE PRESSURE SENSITIVE TAPE MADE FROM NON-STICK MATERIAL SUCH AS TEFLON OR POLYETHYLENE SHALL BE USED AS BOND BREAKERS.

SJ4. BACKER ROD SHALL BE NON-ABSORBENT CLOSED CELL POLYTHEN OR NEOPRENE (PARBURY'S EXPANDAFOAM BACKER ROD OR APPROVED EQUIVALENT) INSTALLED WITH 25% COMPRESSION.

SJ5. SEALANTS SHALL BE APPLIED BETWEEN 7.00AM AND 11.00AM AT TEMPERATURES NOT LESS THAN 10°C OR NOT MORE THAN 35°C.

SJ6. JOINT WIDTH AT INSTALLATION SHALL NOT EXCEED THE SPECIFIED WIDTH ± MOVEMENT RANGE SPECIFIED.

BRIDGE OVER TALYAWALKA CREEK AT TINTINALLOGY STATION

NEW BRIDGE:

PROJECT NUMBER: 6283

DESIGN SPEED 10km/h

DESIGN STANDARDS: AS 5100, 1-5 BRIDGE DESIGN

DESIGN LOADING: SM1600

BARRIER PERFORMANCE LEVEL: LOW - FALL FROM HEIGHT PROTECTION ONLY

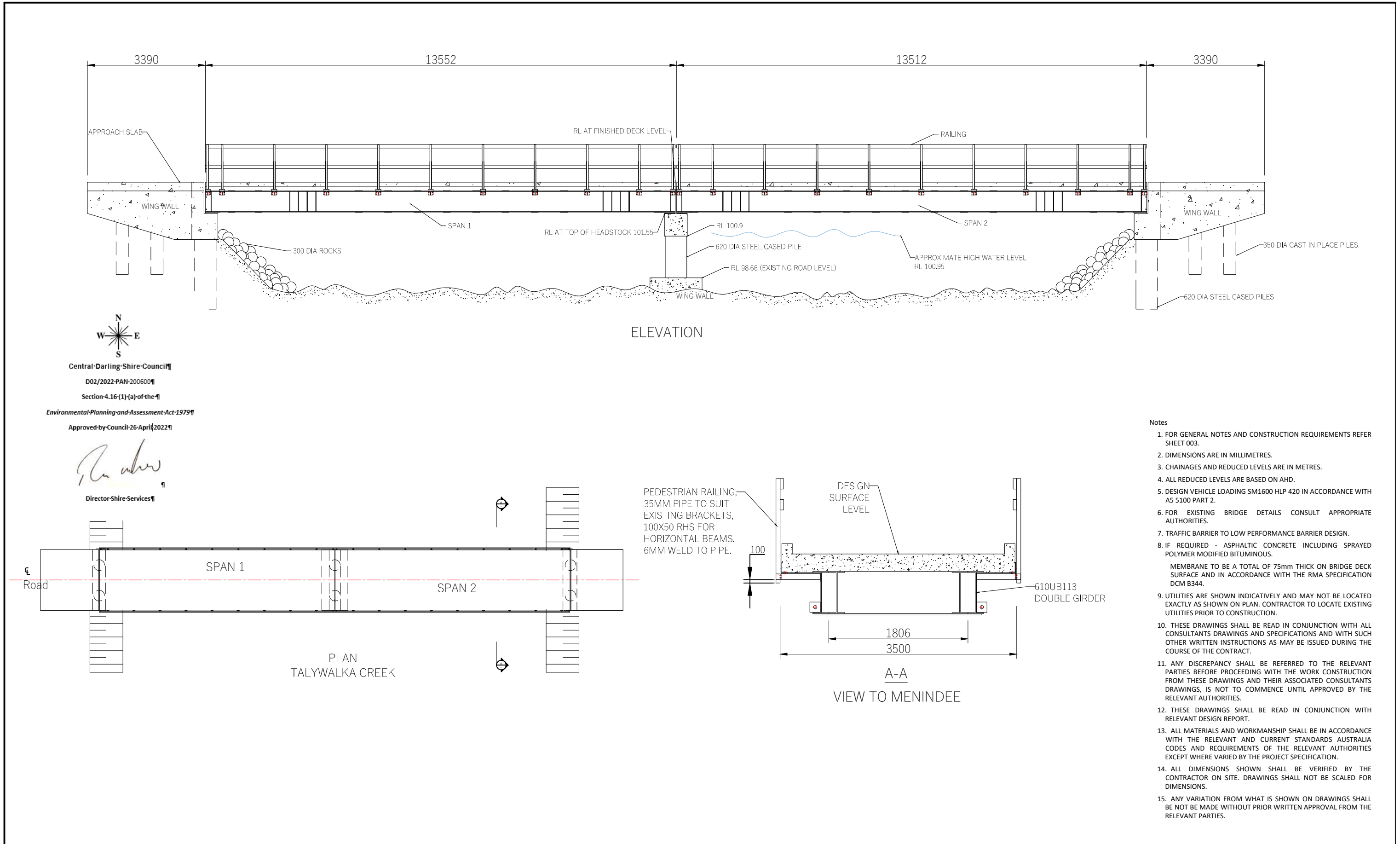
PEDESTRIAN LOADING: 5KPa

REFERENCE DESIGN REPORTS:

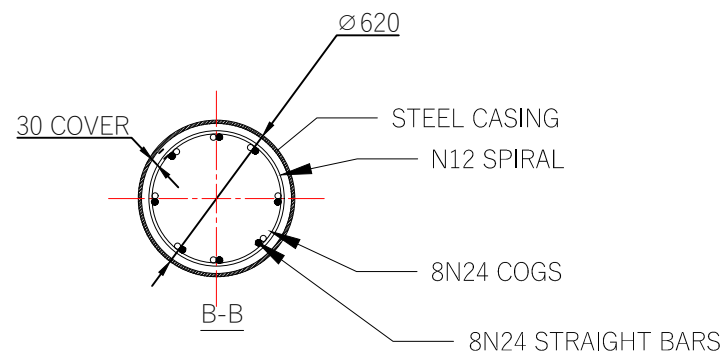
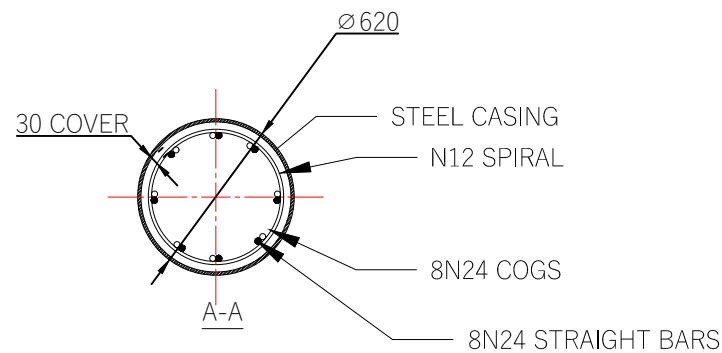
GEOTECHNICAL/SOIL INVESTIGATION & DESIGN REPORT BY METALINE ENGINEERING GROUP, PROJECT NUMBER 6283.

SURVEY STUDY: GRAHAM HOWE SURVEYING.

				<div><div>MEG</div><div>METALINE ENGINEERING GROUP</div><div>331 Cummins Street, BROKEN HILL, NSW, 2880 MOB: 0484 770 945</div><div>A.C.N. 63 7312951 <a href="http://www.metaline-engineering.com">www.metaline-engineering.com</a></div></div>	<div>CIVIL STRUCTURAL COMMERCIAL RESIDENTIAL GEOTECHNICAL BUILDING SERVICES PROJECT MANAGEMENT RAIL/ROLLINGSTOCK AUTOMOTIVE</div>	<div><div>Client:</div><div>Jack &amp; Hollie PALMER</div><div>Project:</div><div>BRIDGE OVER TALYAWALKA CREEK AT TINTINALLOGY STATION</div><div>Drawing:</div><div>General Notes:</div></div>	ISSUE FOR CONSTRUCTION					
F	ISSUE FOR CONSTRUCTION	26.10.21	A.M				Designed:	A.M.	Scale (A3):			
E	FOR REVIEW	25.10.21	A.M				Drawn:	W.B.	Date: OCT 2021			
D	FOR REVIEW	24.10.21	A.M				Checked:	A.M.	No. of Sheets: 8			
C	FOR REVIEW	22.10.21	A.M				Project No.	6283	Drawing No.	S1	Rev.	F
B	FOR REVIEW	21.10.21	A.M									
A	FOR REVIEW	21.10.21	A.M									
Rev.	Remark/Comment	Date	Apv.									



G	ISSUE FOR CONSTRUCTION Rev1	28.02.22	A.M	<div><div>MEG</div><div>METALINE ENGINEERING GROUP</div></div> <div>331 Cummins Street, BROKEN HILL, NSW, 2880 MOB: 0484 770 945</div> <div>A.C.N. 63 7312951 <a href="http://www.metaline-engineering.com">www.metaline-engineering.com</a></div> <div>CIVIL STRUCTURAL COMMERCIAL RESIDENTIAL GEOTECHNICAL BUILDING SERVICES PROJECT MANAGEMENT RAIL/ROLLINGSTOCK AUTOMOTIVE</div>	<div>Client:</div> Jack & Hollie PALMER	ISSUE FOR CONSTRUCTION		
F	ISSUE FOR CONSTRUCTION	26.10.21	A.M		<div>Project:</div> BRIDGE OVER TALYAWALKA CREEK AT TINTINALLOGY STATION	<div>Designed:</div> A.M.	<div>Scale (A3):</div>	
E	FOR REVIEW	25.10.21	A.M		<div>Drawing:</div> General Arrangement	<div>Drawn:</div> W.B.	<div>Date:</div> FEB 2022	
D	FOR REVIEW	24.10.21	A.M			<div>Checked:</div> A.M.	<div>No. of Sheets:</div> 8	
C	FOR REVIEW	22.10.21	A.M			<div>Project No.</div> 6283	<div>Drawing No.</div> S2	<div>Rev.</div> G
B	FOR REVIEW	21.10.21	A.M					
A	FOR REVIEW	21.10.21	A.M					
Rev.	Remark/Comment	Date	Apv.					



**NOTES**

1. MINIMUM 28 DAYS COMPRESSIVE STRENGTH OF CONCRETE SHALL BE 40MPa.
2. CONCRETE EXPOSURE CLASSIFICATION A.
3. CLEAR COVER TO REINFORCEMENT NEAREST TO THE CONCRETE SHALL BE 75mm.
4. LONGITUDINAL BARS AND SPIRALS SHALL BE DEFORMED BARS TO AS/NZ4671 GRADE D500N.
5. SPLICING OF SPIRAL SHALL BE WELDED.
6. THE WELD CATEGORY FOR ALL OTHER WELDS SHALL BE GP IN ACCORDANCE WITH 1554 PART1.
7. CALCULATED ULTIMATE PILE                      1000 kN COMPRESSION  
DESIGN AXIAL LOAD                                      0 kN TENSION
8. MINIMUM ALLOWABLE END BEARING CAPACITY SHALL BE 1 MPa.
9. MINIMUM ULTIMATE END BEARING CAPACITY SHALL BE 4 MPa.
10. THE END BEARING CAPACITY OF THE ROCK AT FOUNDING LEVEL SHALL BE VERIFIED BY AN EXPERIENCED GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT OF CONCRETE.
11. LAPS SHALL BE STAGGERED SO THAT NO MORE THAN 50% OF BARS ARE LAPPED IN ANY ONE CROSS SECTION.
12. PILE FOUNDING LEVELS SHALL NOT BE LIFTED WITHOUT WRITTEN APPROVAL OF THE DESIGN ENGINEER.
13. UNLESS NOTED OTHER WISE, THE MINIMUM DEVELOPMENT LENGTHS AND LENGTHS OF LAPS SHALL BE AS FOLLOWS:

BAR SIZE	N12	N16	N20	N24	N28	N32
a) HORIZONTAL BARS WITH 300mm OF CONCRETE CAST BELOW THE BAR	375	500	750	950	1250	1575
b) OTHER	300	400	600	750	1000	1250

14. PILE CONSTRUCTION TOLERANCE IS 75mm
15. BASE OF DRILLED SHAFTS SHALL BE CLEANED TO REMOVE DEBRIS PRIOR TO PLACEMENT OF CONCRETE.
16. PILES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE RTA SPECIFICATIONS B59

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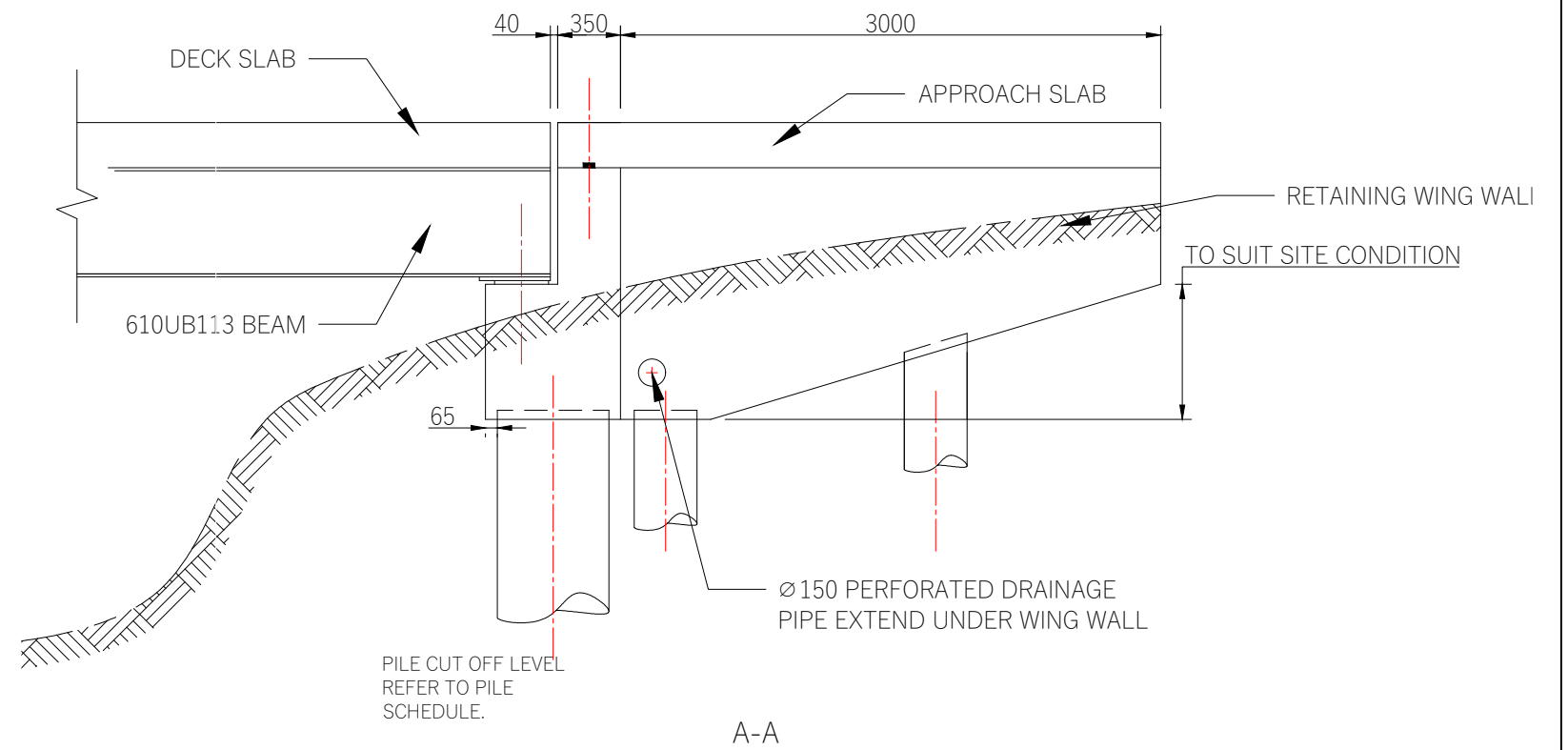
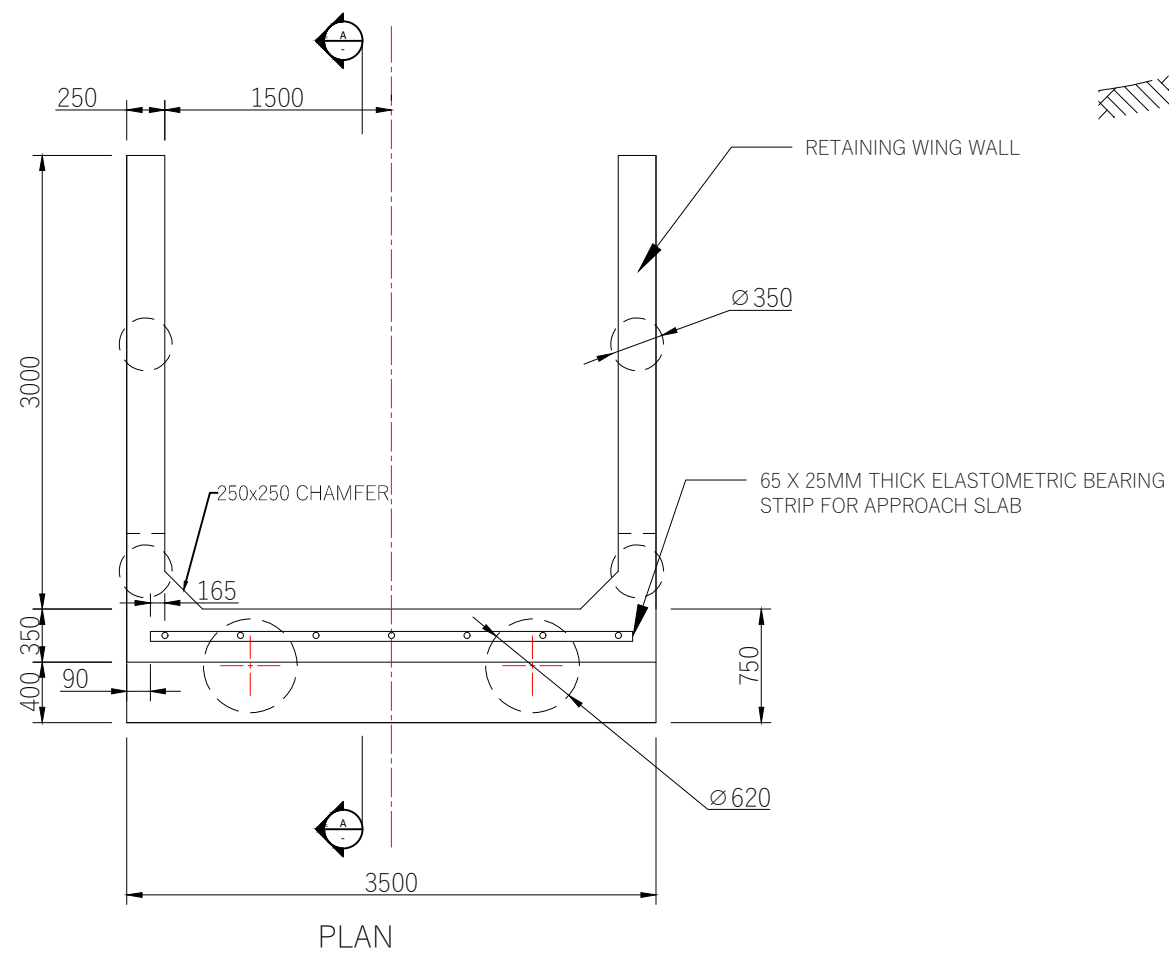
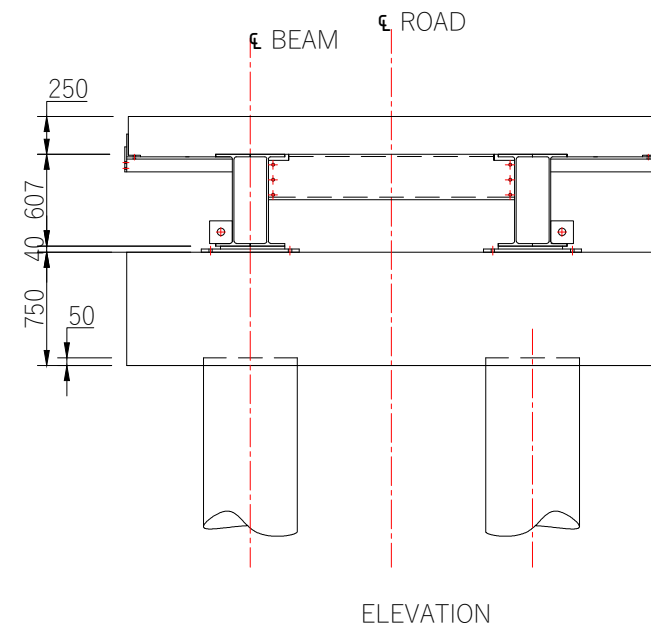
CIVIL  
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RESIDENTIAL  
GEOTECHNICAL  
BUILDING SERVICES  
PROJECT MANAGEMENT  
RAIL/ROLLINGSTOCK  
AUTOMOTIVE

Client: Jack & Hollie PALMER

Project: BRIDGE OVER TALYAWALKA CREEK  
AT TINTINALLOGY STATION

Drawing: Piling Layout and Detail:

ISSUE FOR CONSTRUCTION		
Designed: A.M.	Scale (A3):	
Drawn: W.B.	Date: OCT 2021	
Checked: A.M.	No. of Sheets: 8	
Project No. 6283	Drawing No. S3	Rev. F



Central Darling Shire Council  
 D02/2022-PAN-200600  
 Section 4.16(1)(a) of the  
 Environmental Planning and Assessment Act 1979  
 Approved by Council 26 April 2022  
  
 Director Shire Services

F	ISSUE FOR CONSTRUCTION	26.10.21	A.M.
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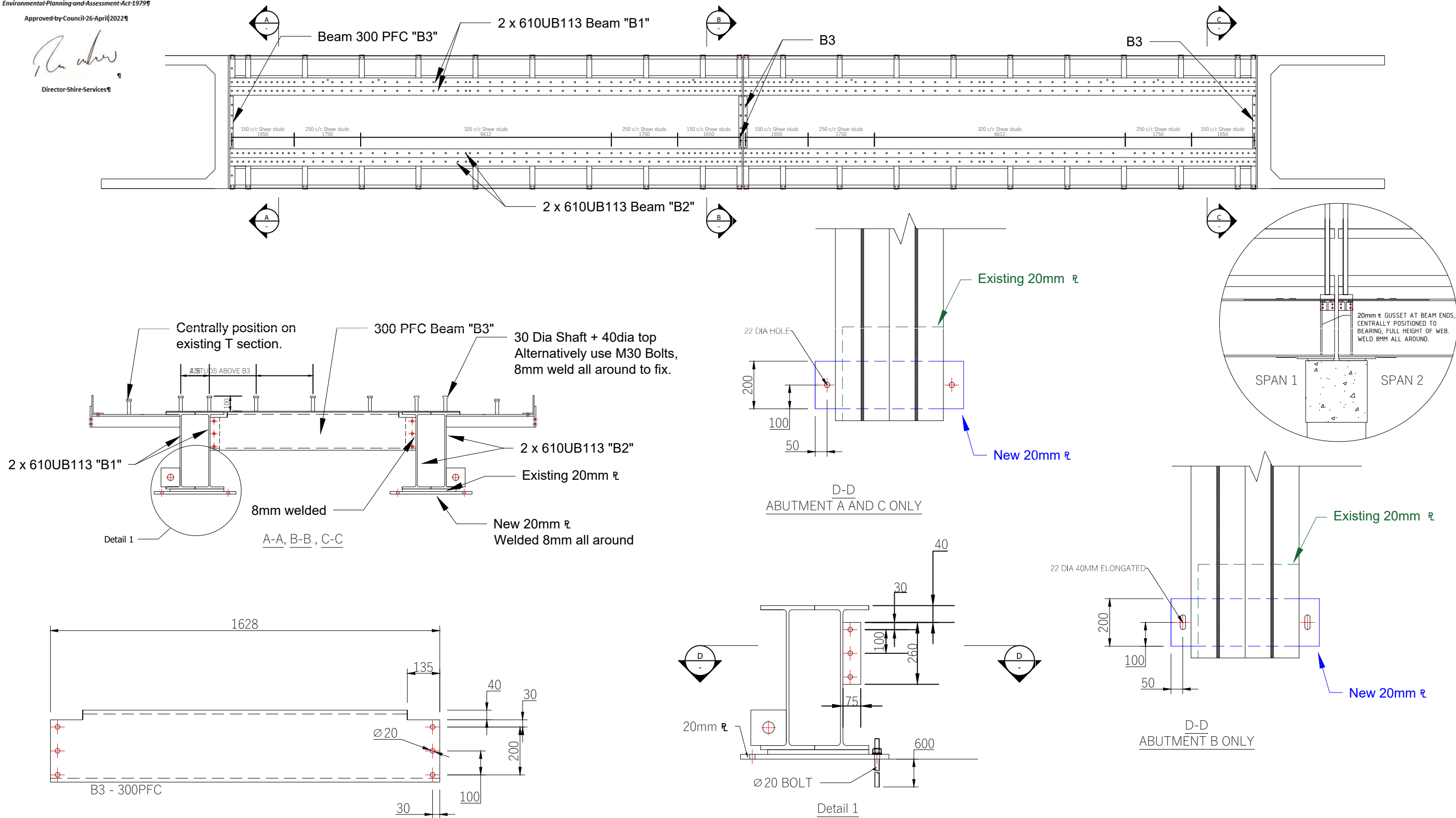
Client: Jack & Hollie PALMER  
 Project: BRIDGE OVER TALYAWALKA CREEK AT TINTINALLOGY STATION  
 Drawing: Abutment A & C detail:

ISSUE FOR CONSTRUCTION

Designed: A.M.	Scale (A3):
Drawn: W.B.	Date: OCT 2021
Checked: A.M.	No. of Sheets: 8
Project No. 6283	Drawing No. S4
	Rev. F







F	ISSUE FOR CONSTRUCTION	26.10.21	A.M
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D	FOR REVIEW	24.10.21	A.M
C	FOR REVIEW	22.10.21	A.M
B	FOR REVIEW	21.10.21	A.M
A	FOR REVIEW	21.10.21	A.M
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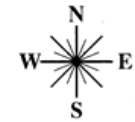
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BUILDING SERVICES  
PROJECT MANAGEMENT  
RAIL/ROLLINGSTOCK  
AUTOMOTIVE

Client: Jack & Hollie PALMER  
Project: BRIDGE OVER TALYAWALKA CREEK  
AT TINTINALLOGY STATION  
Drawing: Beam layout and modification:

ISSUE FOR CONSTRUCTION

Designed: A.M.	Scale (A3):
Drawn: W.B.	Date: OCT 2021
Checked: A.M.	No. of Sheets: 8
Project No. 6283	Drawing No. S6
	Rev. F



Central Darling Shire Council

D02/2022-PAN-200600

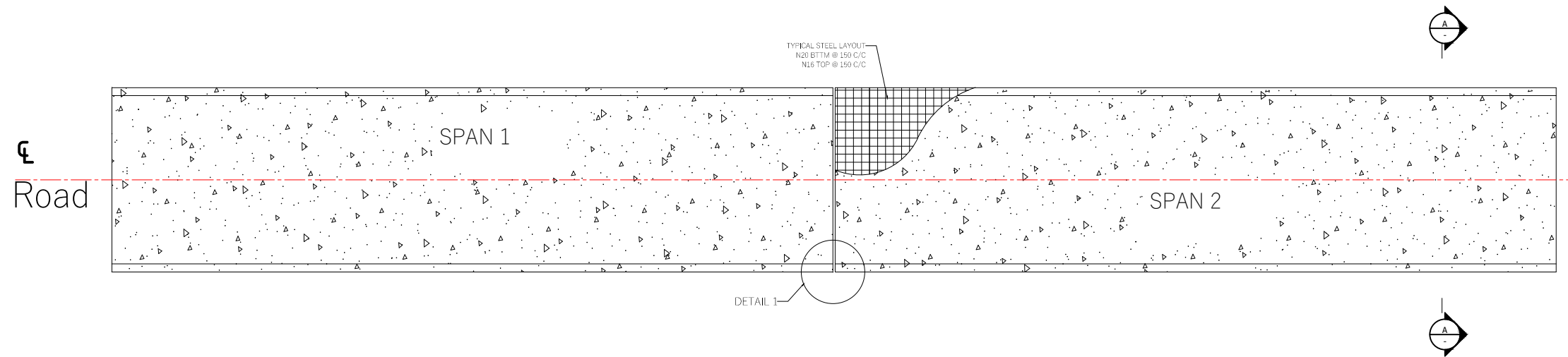
Section 4.16(1)(a) of the

Environmental Planning and Assessment Act 1979

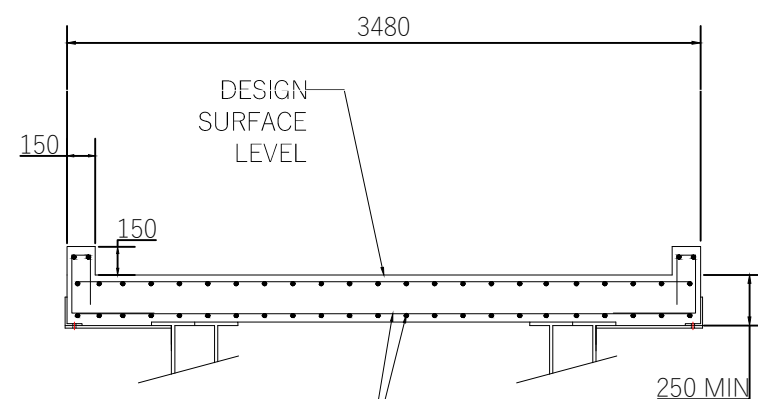
Approved by Council 26 April 2022

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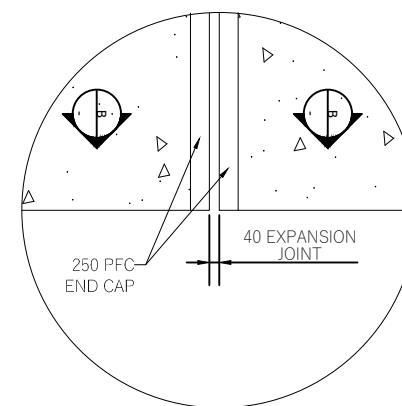
Director Shire Services



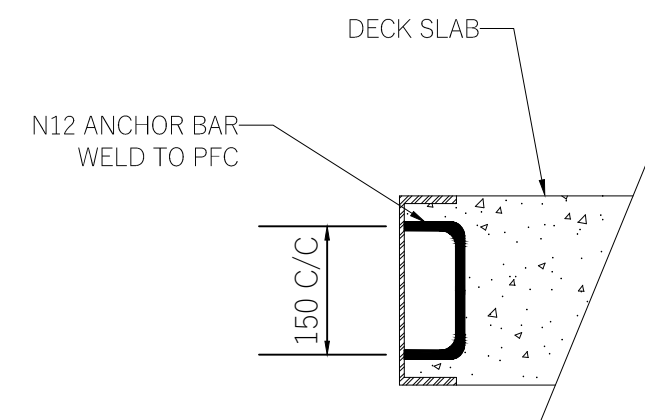
PLAN



N20 @ 150 CENTERS BTM  
N16 @ 150 CENTERS TOP  
45 COVER TO AND BTM

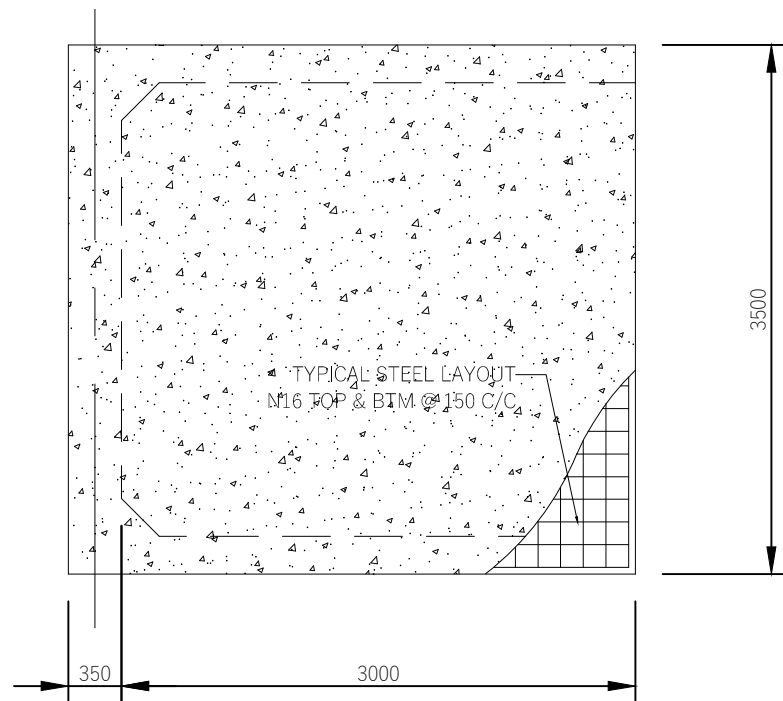
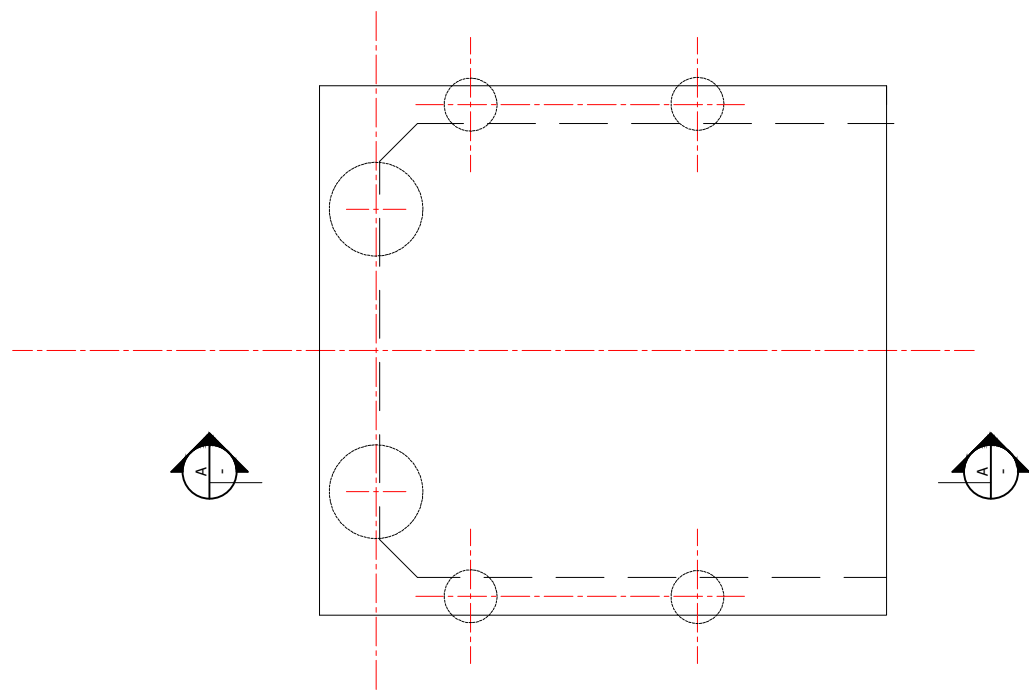


DETAIL 1  
DECK SLAB TYPICAL END DETAIL

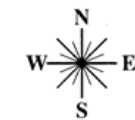
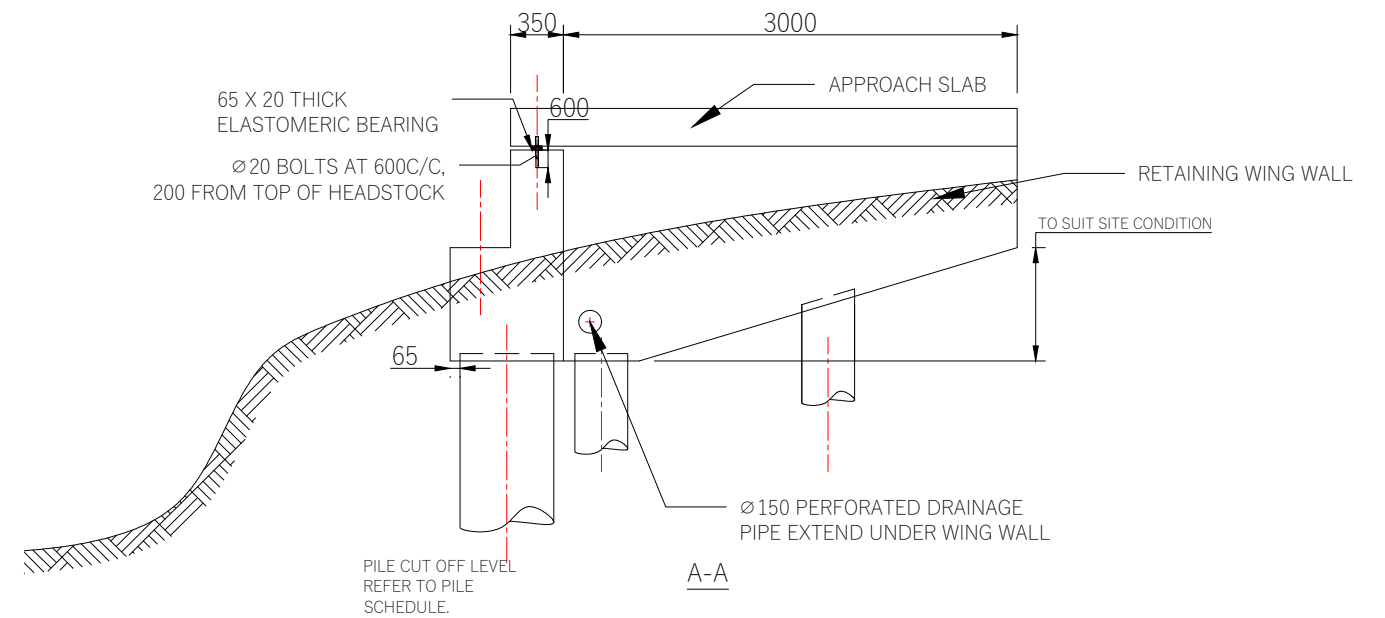


SECTION B-B

				<div><div><div>MEG</div><div>METALINE ENGINEERING GROUP</div></div><div>331 Cummins Street, BROKEN HILL, NSW, 2880 MOB: 0484 770 945</div><div>A.C.N. 63 7312951 <a href="http://www.metaline-engineering.com">www.metaline-engineering.com</a></div><div>CIVIL STRUCTURAL COMMERCIAL RESIDENTIAL GEOTECHNICAL BUILDING SERVICES PROJECT MANAGEMENT RAIL/ROLLINGSTOCK AUTOMOTIVE</div></div> <td><div>Client:</div>Jack &amp; Hollie PALMER</td> <td colspan="3">ISSUE FOR CONSTRUCTION</td>	<div>Client:</div> Jack & Hollie PALMER	ISSUE FOR CONSTRUCTION		
F	ISSUE FOR CONSTRUCTION	26.10.21	A.M		<div>Project:</div> BRIDGE OVER TALYAWALKA CREEK AT TINTINALLOGY STATION	<div>Designed:</div> A.M.	<div>Scale (A3):</div>	
E	FOR REVIEW	25.10.21	A.M		<div>Drawing:</div> Concrete Deck detail:	<div>Drawn:</div> W.B.	<div>Date:</div> OCT 2021	
D	FOR REVIEW	24.10.21	A.M			<div>Checked:</div> A.M.	<div>No. of Sheets:</div> 8	
C	FOR REVIEW	22.10.21	A.M			<div>Project No.</div> 6283	<div>Drawing No.</div> S7	<div>Rev.</div> F
B	FOR REVIEW	21.10.21	A.M					
A	FOR REVIEW	21.10.21	A.M					
Rev.	Remark/Comment	Date	Apv.					



PLAN



Central Darling Shire Council

D02/2022-PAN-200600

Section 4.16(1)(a) of the

Environmental Planning and Assessment Act 1979

Approved by Council 26 April 2022

Director Shire Services

Rev.	Remark/Comment	Date	Apv.
F	ISSUE FOR CONSTRUCTION	26.10.21	A.M.
E	FOR REVIEW	25.10.21	A.M.
D	FOR REVIEW	24.10.21	A.M.
C	FOR REVIEW	22.10.21	A.M.
B	FOR REVIEW	21.10.21	A.M.
A	FOR REVIEW	21.10.21	A.M.

**MEG** **METALINE ENGINEERING GROUP**

331 Cummins Street, BROKEN HILL, NSW, 2880  
MOB: 0484 770 945

A.C.N. 63 7312951  
[www.metaline-engineering.com](http://www.metaline-engineering.com)

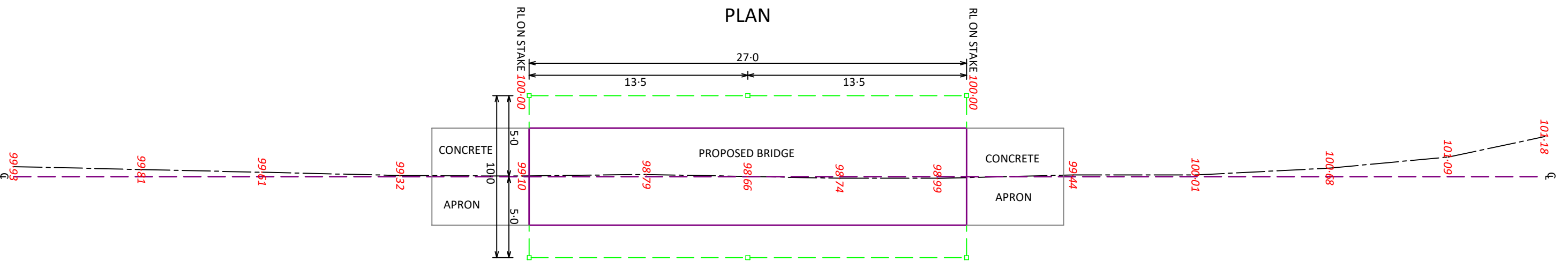
CIVIL  
STRUCTURAL  
COMMERCIAL  
RESIDENTIAL  
GEOTECHNICAL  
BUILDING SERVICES  
PROJECT MANAGEMENT  
RAIL/ROLLINGSTOCK  
AUTOMOTIVE

Client: Jack & Hollie PALMER  
Project: BRIDGE OVER TALYAWALKA CREEK AT TINTINALLOGY STATION  
Drawing: Approach slab detail:

ISSUE FOR CONSTRUCTION

Designed: A.M.	Scale (A3):
Drawn: W.B.	Date: OCT 2021
Checked: A.M.	No. of Sheets: 8
Project No. 6283	Drawing No. S8
	Rev. F

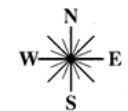




- - STAKE
- OFFSET LINE
- CENTRELINE OF ROAD
- CENTRELINE OF BRIDGE
- HIGH WATER LEVEL (APPROXIMATE)

NOTES:

1. ASSUMED SPOT HEIGHTS SHOWN THUS 100.00
2. HIGH WATER LEVEL 100.95 (APPROXIMATE)



Central Darling Shire Council

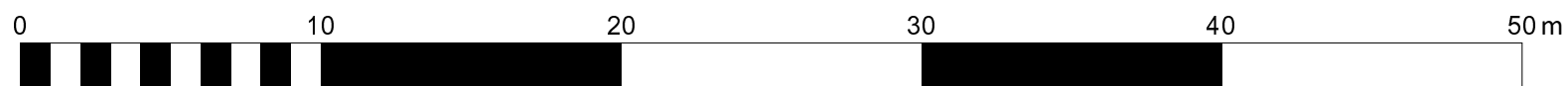
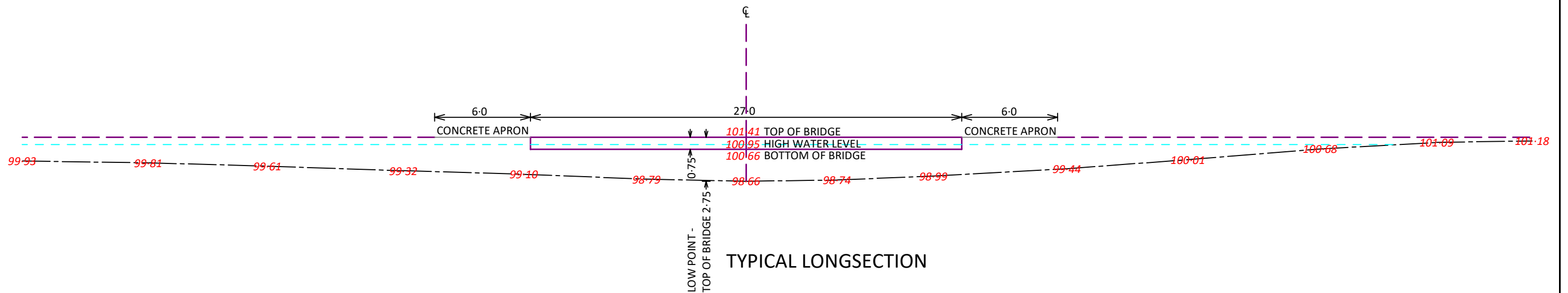
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SCALE 1:250 (A3)

SURVEY FOR PROPOSED BRIDGE OVER TALYAWALKA CREEK, TINTINALLOGY

LENGTHS ARE IN METRES

SCALE 1:250 (A3)

GRAHAM F. HOWE  
REGISTERED SURVEYOR  
PH/FAX 08 8087 3660  
515 WYMAN LANE, BROKEN HILL  
P.O. BOX 317 N.S.W. 2880

SIGNED:

27-9-2021

C203-6