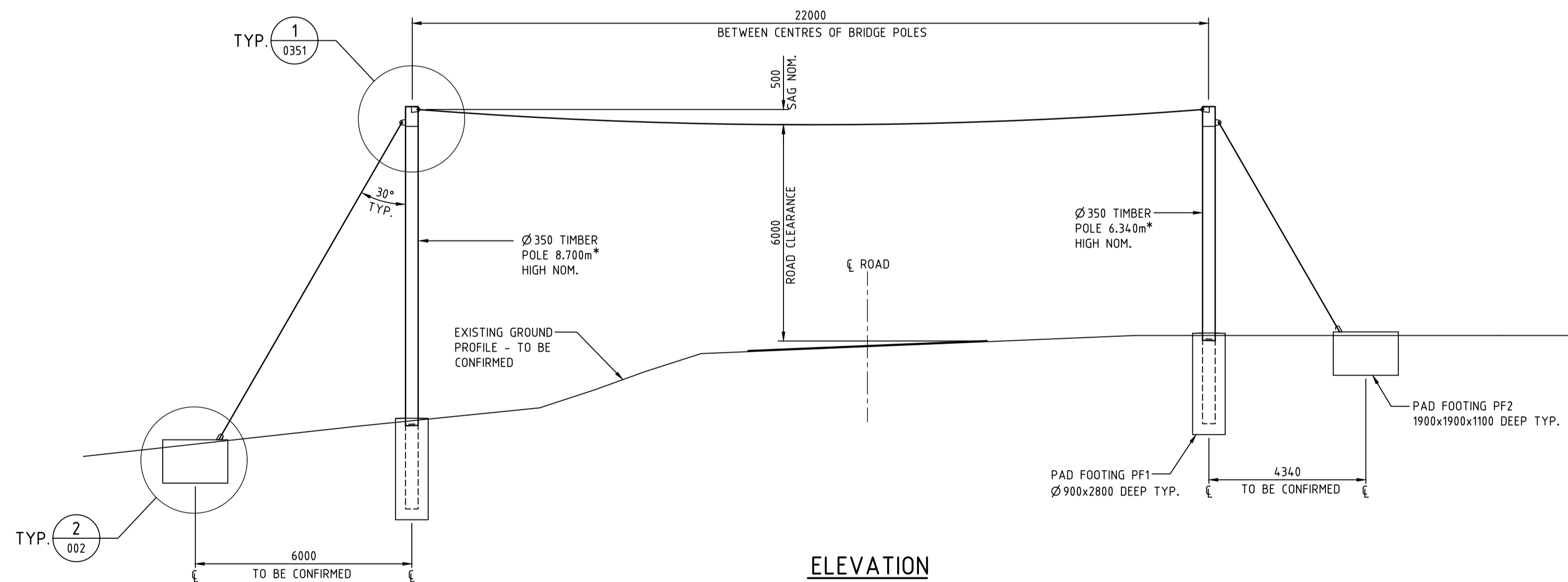


ROPE BRIDGE PLAN
1:100



ELEVATION
1:100

* - DENOTES NOMINAL POLE HEIGHT ABOVE GROUND LEVEL.
(TO BE CONFIRMED)

GENERAL

1. ANY DISCREPANCIES MUST BE REPORTED TO THE ENGINEER PRIOR TO COMMENCEMENT.
2. DO NOT OBTAIN DIMENSIONS BY SCALING FROM THE DRAWINGS. ALL DIMENSIONS ARE IN MILLIMETRES UNO AND ALL LEVELS IN METRES.
3. VERIFY SETTING OUT DIMENSIONS SHOWN ON THE DRAWINGS BEFORE CONSTRUCTION AND FABRICATION IS COMMENCED.
4. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE SAA CODES AND THE BY-LAWS AND ORDINANCES OF THE RELEVANT BUILDING AUTHORITY.
5. DATUM FOR LEVEL IS LOCAL.

EARTHWORKS / FOUNDATIONS

1. REMOVE ANY ORGANIC OR UNSUITABLE MATERIAL AND REPLACE WITH CLEAN FREE DRAINING SAND.
2. DO NOT USE COMPACTION METHODS THAT WILL CAUSE DAMAGE TO ADJACENT STRUCTURES. SELECTION OF METHODS SHALL BE BUILDERS RESPONSIBILITY.

CONCRETE

1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 3600
2. QUALITY OF CONCRETE ELEMENTS SHALL BE AS FOLLOWS:
EXPOSURE CLASS B1
GRADE (28 DAY STRENGTH) N32
MAX. AGG. SIZE 20
SLUMP 80
3. CONCRETE IS TO BE COMPACTED USING VIBRATORS.
4. FORM ALL CONSTRUCTION JOINTS AND USE ONLY WHERE SHOWN OR APPROVED BY THE ENGINEER.
5. NO HOLES, CHASES OR EMBEDDED PIPES, OTHER THAN THOSE SHOWN ON THE STRUCTURAL ENGINEER'S DRAWINGS, SHALL BE MADE WITHOUT THE APPROVAL OF THE ENGINEER.
6. CONCRETE SHALL BE CONTINUOUSLY WATER CURED FOR 3 DAYS AFTER POURING AND KEPT DAMP FOR NOT LESS THAN A FURTHER 4 DAYS THEREAFTER.
7. FORMWORK AND ITS REMOVAL TO BE IN ACCORDANCE WITH AS 3610.
9. DO NOT USE ADMIXTURES TO CONCRETE UNLESS SPECIFIED OR PRIOR APPROVED BY THE ENGINEER.
10. CONSTRUCTION TOLERANCES TO BE IN ACCORDANCE WITH AS 3600 CL. 19.5.
11. SURFACE FINISHES TO BE IN ACCORDANCE WITH AS 3610 ABBREVIATIONS USED:
N^o FORMED FINISH CLASS N^o.
12. REINFORCEMENT SYMBOLS:-
N NORMAL DUCTILITY GRADE 500N DEFORMED BARS TO AS 4671
R GRADE 230R HOT ROLLED PLAIN BARS TO AS 4671
SL HARD DRAWN REINFORCING FABRIC TO AS 4671
W HARD DRAWN PLAIN WIRE TO AS 4671
13. COVER TO REINFORCEMENT FOOTINGS:
40mm MIN. - TOP
50mm MIN. - SIDES FOR PF2
100mm MIN. - SIDES FOR PF1
70mm MIN. - BOTTOM
14. THE CONTRACTOR SHALL SUPPLY ALL NECESSARY BAR CHAIRS, SUPPORT AND SPACER BARS TO LOCATE REINFORCING STEEL IN ITS CORRECT LOCATION DURING CONCRETE PLACEMENT.

STRUCTURAL STEEL

1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 4100 AND AS 1554
2. ALL STEEL SHALL BE IN ACCORDANCE WITH AS 3678, AS 3679 OR AS 1163. MINIMUM GRADE TO BE G300 FOR ROLLED SECTIONS AND PLATES, G350 FOR HOLLOW SECTIONS.
3. PROVIDE ALL CLEATS AND DRILL HOLES FOR FIXINGS WHETHER OR NOT DETAILED ON THE DRAWINGS TO THE APPROVAL OF THE STRUCTURAL ENGINEER. THIS INCLUDES ALL BUILDING DESIGNERURAL FIXINGS WHICH ARE NOT NECESSARILY SHOWN ON THE STRUCTURAL DRAWINGS.
4. ALL WELDS TO BE IN ACCORDANCE WITH AS 1554 AND AS 4100. UNLESS NOTED OTHERWISE:
ALL WELDS TO BE CATEGORY SP
ALL BUTT WELDS TO BE FULL PENETRATION
ALL FILLET WELDS TO BE 6mm CONTINUOUS ELECTRODES TO BE CLASSIFICATION E48XX
5. REFER TO AISC 'STANDARDISED STRUCTURAL CONNECTIONS' FOR DESIGNATION AND DETAILS OF CONNECTIONS.
BOLT TYPE AND TIGHTENING PROCEDURE ARE DESIGNATED:
ALL BOLTS TO BE GRADE 8.8/S UNO.
BOLTS TO AS 1111
BOLTS, NUTS AND WASHERS TO AS 1252
TIGHTENING PROCEDURES:
S - SNUG TIGHT
ALL BOLTS, NUTS AND WASHERS TO BE HOT DIP GALVANISED.
6. MINIMUM CONNECTION TO BE A 8mm CLEAT AND 2-M12.
7. THE ENDS OF ALL HOLLOW SECTIONS SHALL BE SEALED WITH 6mm PLATE MIN. FULLY WELDED UNO.
8. ALL NATURAL CAMBERS IN STEELWORK SHALL BE UPWARDS.
9. AREAS OF DAMAGED CORROSION PROTECTION THAT REQUIRE REPAIR ON SITE SHALL BE MECHANICALLY CLEANED WITH A POWER WIRE BRUSH TO AS 1627.2 PRIOR TO REINSTATEMENT OF THE PROTECTIVE COATING.



WARNING:
SERVICES AND CADASTRAL BOUNDARY LOCATIONS SHOWN ARE ONLY INDICATIVE AND MUST NOT BE USED FOR EXCAVATION.
THE "ONE CALL 1100" SYSTEM SHALL BE USED TO OBTAIN ACCURATE SERVICE LOCATIONS.



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REVISIONS				
N ^o .	DESCRIPTION	APPROVED	DATE	DRAWN
0	ISSUED FOR CONSTRUCTION		8-9-17	MSK
A	ISSUED FOR REVIEW		24-7-17	MSK

NOTE: * INDICATES SIGNATURES ON ORIGINAL ISSUE OF DRAWING OR LAST REVISION OF DRAWING

NAMES PRINTED IN FULL		DATE	CLIENT
DESIGNED	R. JARMAN	JULY 2017	CITY OF MANDURAH
DRAWN	M. KELLY	JULY 2017	PROJECT
VERIFIED			FAUNA BRIDGE - GUMNUT RESERVE P.O.S. JINATONG LOOP, DAWESVILLE
APPROVED			

DRAWING TITLE
PLAN AND ELEVATION

THIS DRAWING SHALL BE TREATED AS PRELIMINARY AND IS NOT TO BE USED FOR CONSTRUCTION PURPOSES UNLESS SIGNED AS APPROVED.

DRAWING NUMBER
7716-S-001
REVISION
0

SCALE
A1