

Our reference: P13023/CL4

19 May 2021

Blue Sun Poles Pty Ltd  
PO Box 1683  
Coorparoo DC Qld 4151

Attention of Paul Davis

**Re: Property Pole 5.0/6.0/8.0m – 1.0 kN**

This is to certify that the Property Pole with footing as detailed on the respective drawings listed below is structurally adequate to carry the nominated service point load at the top through the eye bolt.

Blue Sun Poles Drawing *BS-EGXPP6M-210222 Rev. B dated 21.02.21*

Blue Sun Poles *Footing Guide 5m,6m & 8m 1kN Property Service Poles Rev B dated 21.05.21*

The relevant Australian Standard Codes referred to are as follows:

AS/NZS 1170 series, AS 4100 Steel Structures, AS 1798 and AS 3600.

This verification addresses the structural capacity of the pole including the baseplate in Wind Region C Terrain Category 2.5. The foundation to the pole is based on soil with a minimum bearing capacity of 150 kPa.

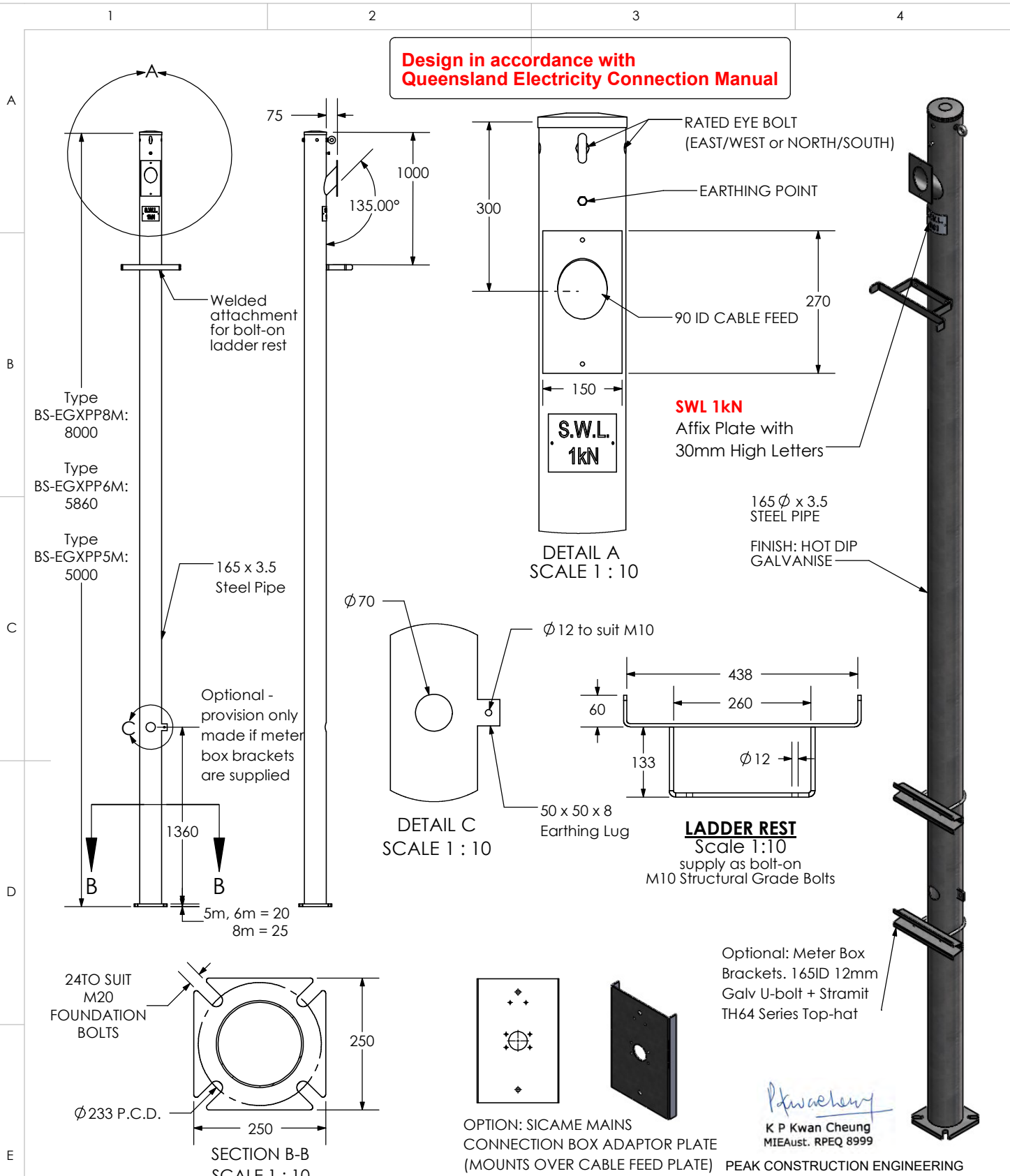
All materials and workmanship to be to AS 4100, AS 1798 and AS3600.

It is also hereby confirmed that the undersigned has been registered as RPEQ prior to 1<sup>st</sup> July 2008 and that his field of expertise is as a Structural Engineer.



K Patrick Kwan Cheung  
MIE Aust RPEQ 8999

**Design in accordance with Queensland Electricity Connection Manual**



**NOTES:**

- All welding and weld preparation to be in accordance with AS1554
- Circumferential welds to be joggled butt types. Longitudinal welds to be single butt type. All welds unless noted are to be 5mm continuous fillet welds and are not to be dressed smooth
- After fabrication all components are to be acid de-scaled and hot dipped galvanised, minimum 450g.sq.m to AS1650
- Columns are to conform to the requirements of AS4100 and AS1798

| REV.    | NAME                      | SIGNATURE | DATE   | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS    | DWG TITLE                                     |
|---------|---------------------------|-----------|--------|---|---|
| DRAWN   | P.D.                      |           | 8-5-19 | ALL WELDS SHALL BE IN ACCORDANCE WITH AS1554.1 CATEGORY SP. | Energy Queensland 1kN Property Service Poles  |
| CHK'D   |                           |           |        |   |   |
| APP'V'D |                           |           |        |   | DWG NUMBER                                    |
| REV.    | A 16-7-12                 |           |        | MATERIAL: Grade 350 - S345 Steel                            | BS-EGXPP6M-210222                             |
|         | B 21-2-21 Include 8m Pole |           |        | FINISH: Hot Dip Galvanise                                   |   |
|         |                           |           |        | WEIGHT: 80kg (5m) 95kg (6m) 125kg (8m)                      | SCALE: 1:50 DO NOT SCALE DRAWING SHEET 1 OF 2 |



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**Blue Sun Poles Pty Ltd**

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This guide is for:

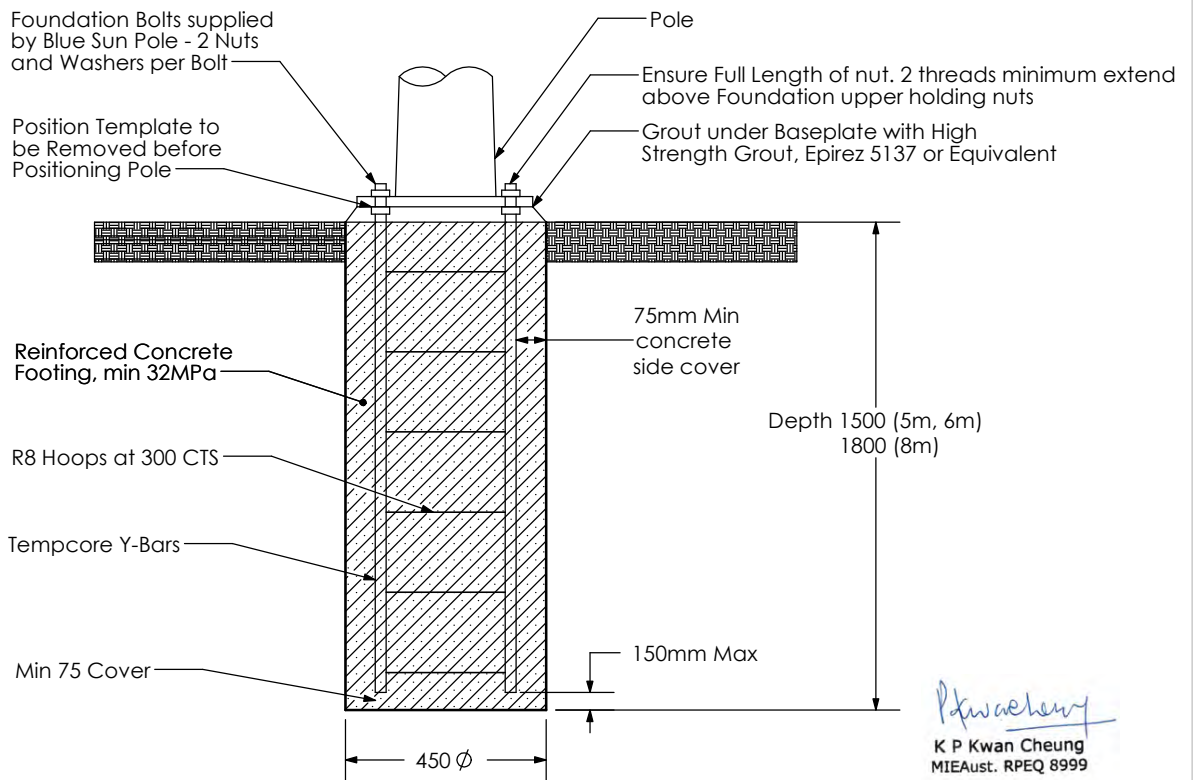
**Poles:** 5M, 6M & 8M 1kN Property Poles

**Site:** <insert address here>

## FOOTING GUIDE

Unless indicated by striking out "Guide" this document is a RECOMMENDATION ONLY, based on average soil conditions (>150kPa). Certified foundations will require soil tests and engineering certification.

|                       |                                |     |
|-----------------------|--------------------------------|-----|
| Bolts                 | 4                              | M20 |
| Bolts P.C.D.          | 233                            | mm  |
| Length / depth        | 1500 (5m, 6m) 1800 (8m)        | mm  |
| Bore hole diameter    | 450                            | mm  |
| Pole Weight - Total   | 80kg (5m) 95kg (6m) 125kg (8m) | Kg  |
| Soil Bearing Capacity | 150                            | KPa |



*K P Kwan Cheung*  
K P Kwan Cheung  
MIEAust. RPEQ 8999

PEAK CONSTRUCTION ENGINEERING  
19 MAY 2021

|        | NAME                      | SIGNATURE | DATE    | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS    |  |
|--------|---------------------------|-----------|---------|---|--|
| DRAWN  | M.V.                      |           | 16-7-12 |   | Bluesun Poles Pty Ltd<br>PO Box 1683 Coorparoo DC Qld 4151<br>Ph: 61 7 3847 3166 |
| CHK'D  |                           |           |         | ALL WELDS SHALL BE IN ACCORDANCE WITH AS1554.1 CATEGORY SP. |  |
| APPV'D |                           |           |         |   |  |
| REV.   | A 16-7-12                 |           |         | MATERIAL: Grade 250/350 Steel                               | DWG TITLE<br>FOOTING GUIDE - 5m, 6m & 8m 1kN Property Service Poles              |
|        | B 21-2-21 Include 8m Pole |           |         | FINISH: Foundation Cage Hot Dip Galvanised                  | DWG NUMBER<br>FOOTING GUIDE - 5m, 6m & 8m 1kN Property Service Poles             |
|        |                           |           |         | WEIGHT:   | SCALE:1:50 DO NOT SCALE DRAWING SHEET 2 OF 2                                     |

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