

NOTES Dajarra Road to Chumvale 220kV & Dajarra Road to Ernest Henry Mine 220kV Circuits
 It is proposed to use the project double circuit 220kV lattice steel tower and installed with 1xSulphur AAAC phase conductors.
 The same structure design will be used for the Selwyn to Woodya 132kV circuit – operating at 132kV – with 220kV insulation.

- To complete this connection the following will be required:
- A) 6 x DL2TT70+0m towers
 - B) 6 x DL2S0+0m towers
 - C) 2 x 38m 60kN Substation Poles (complete)

Line Route length: 4km

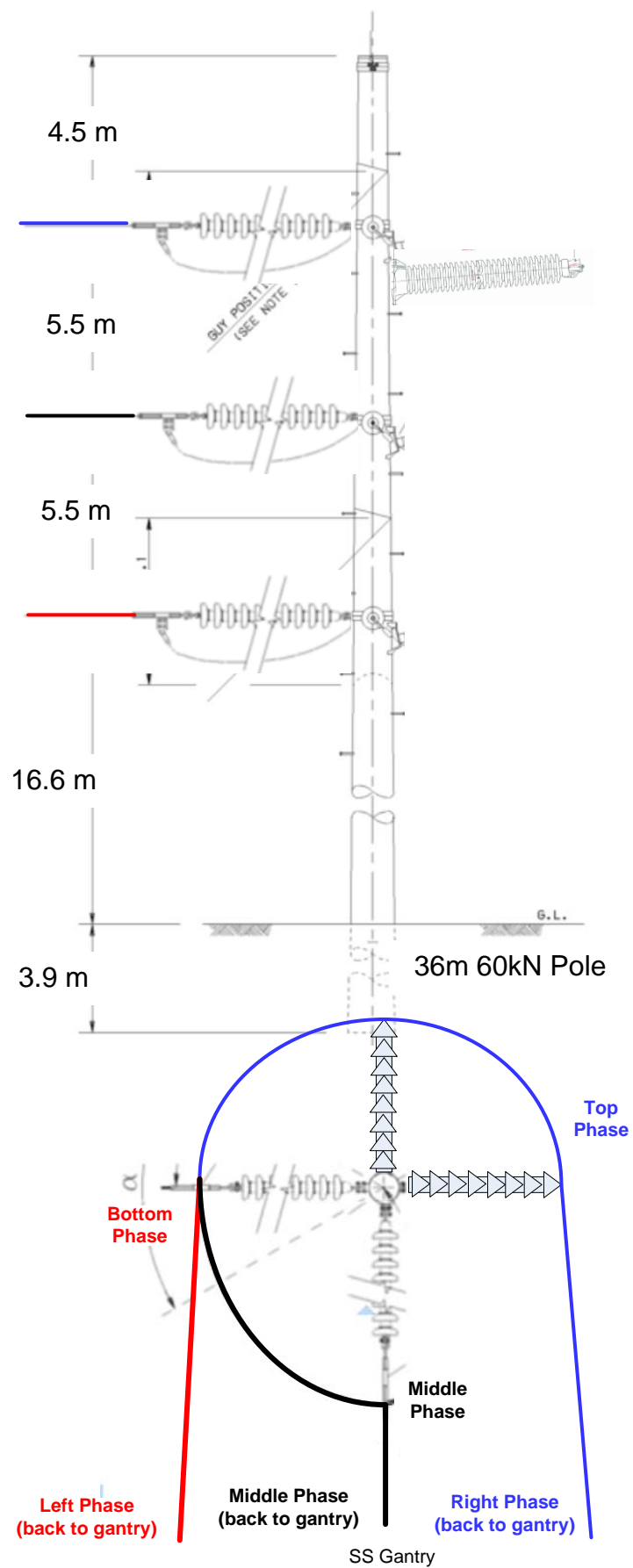
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| AMENDMENTS | | | SKETCHED BY | | STATUS | United Group Limited | | | |
| | | | REVIEWED BY | | | CuString 2.0 Project | | | |
| | | | APPROVED BY | | VISIO Sketch | Overview of the Eastern Connection | | | |
| | | | DATE | 15 April 2021 | | A3 | PREFIX | NUMBER | SHEET |



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| AMENDMENTS | |  | SKETCHED BY | | STATUS | United Group Limited | | | | | | |
| | | | REVIEWED BY | | | VISIO <i>Sketch</i> | CuString 2.0 Project Dajarra to Chumvale & Dajarra to E/Henry Mine Connections Dajarra Road SS Connections | | | | | |
| | | | APPROVED BY | | DATE | | 15 April 2021 | A3 | PREFIX | NUMBER | SHEET | AMDT |
| | | | REFERENCE DRAWINGS | | | | | | | | | |



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| | | | REFERENCE DRAWINGS | DATE | | | 15 April 2021 | | | |



NOTES:

1. THE FOLLOWING SHALL BE OBTAINED FROM THE LINE CONSTRUCTION PARTICULARS.
 - a) POLE LENGTH AND STRENGTH DESIGNATION
 - b) STRUCTURE TYPE
 - c) FOUNDATION REQUIREMENTS
 - d) CONDUCTOR AND OHEW TYPE
 - e) ASSESSED EARTHING REQUIREMENTS
 - f) TYPE OF INSULATOR
 - i) IF PORCELAIN - NUMBER AND COLOUR OF DISCS
 - ii) IF COMPOSITE - LENGTH AND END FITTINGS
 - g) GUY REQUIREMENTS
2. STRUCTURE SHALL BE ERECTED SO THAT POLE IS VERTICAL.
3. CONDUCTOR TO GUY CLEARANCE IN ANY DIRECTION SHALL BE A MINIMUM OF 1.6 METRES.
4. FOR NORMAL SOIL CONDITIONS FOUNDATIONS SHALL COMPLY WITH DRAWING TL614096 A1 FOR CONCRETE POLES AND TL614094 A1 FOR STEEL POLES. FOR FOUNDATIONS FOR OTHER SOIL CONDITIONS REFER TO THE LINE SCHEDULE.

Notea:

1. Insulators – 220kV Tension Strings and 220kV Stand-off Post
2. Prestressed Concrete Pole (Rocla)
3. Landing Span and span to first tower to be slack – no guy to be used for this structure
4. Formers to accommodate post insulators at each of the phase conductor levels are to be provided. Each pole arrangement will be arranged to meet the phasing requirements and angles on the structure.
5. Depending on the angle on the structure the left/right phase landing span conductors on the gantry will connect to either the post insulator or the live end of the tension insulator string to the next span. The centre phase landing span conductor will connect to the pole.

| REQD | S. L. No | ITEM | DRG. No | DESCRIPTION | MATERIAL |
|------|----------|------|-------------|--|----------|
| 3 | --- | 5 | TL180512 A3 | COMPOSITE PILOT POST INSULATOR ARRANGEMENT | --- |
| 6 | --- | 4 | SEE TABLE 3 | TENSION INSULATOR STRING ARRANGEMENT | --- |
| 1 | --- | 3 | SEE TABLE 2 | O. H. E. V. ARRANGEMENT | --- |
| 1 | --- | 2 | SEE TABLE 2 | EARTHING ARRANGEMENT | --- |
| 1 | --- | 1 | TL173746 A3 | POLE ASSEMBLY | --- |

1ST ANGLE PROJECTION

AMENDMENTS



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15 April 2021

VISIO Sketch

A3

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STATUS
 United Group Limited
CuString 2.0 Project
 Dajarra to Chumvale & Dajarra to E/Henry Mine Connections
 Dajarra Road Substation Poles