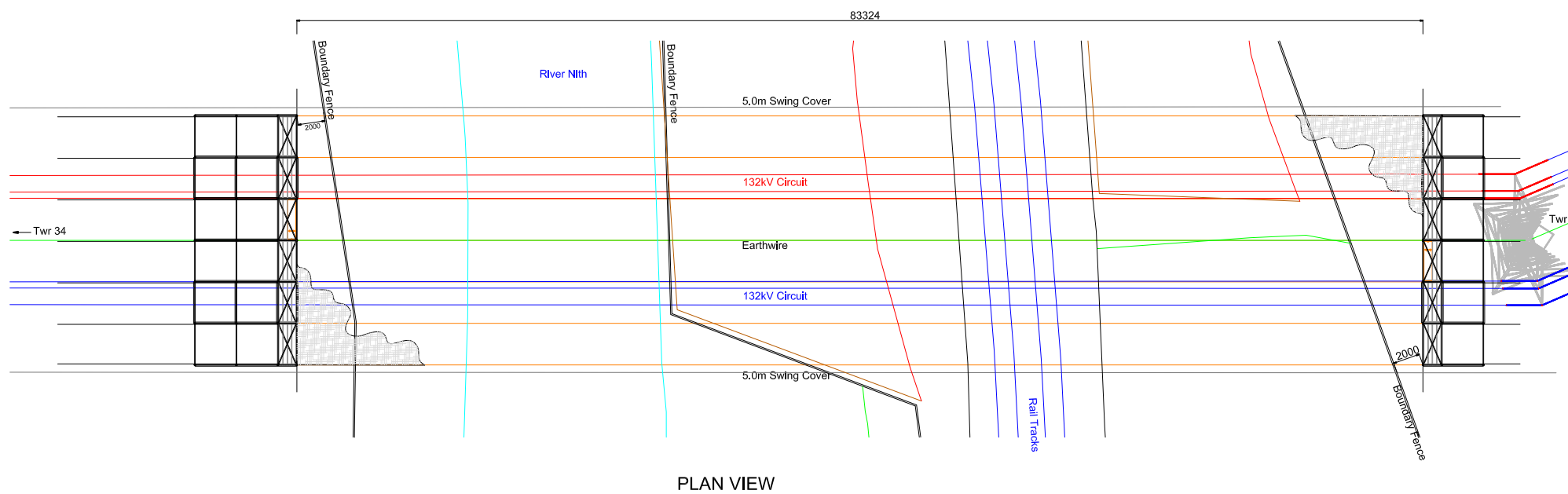
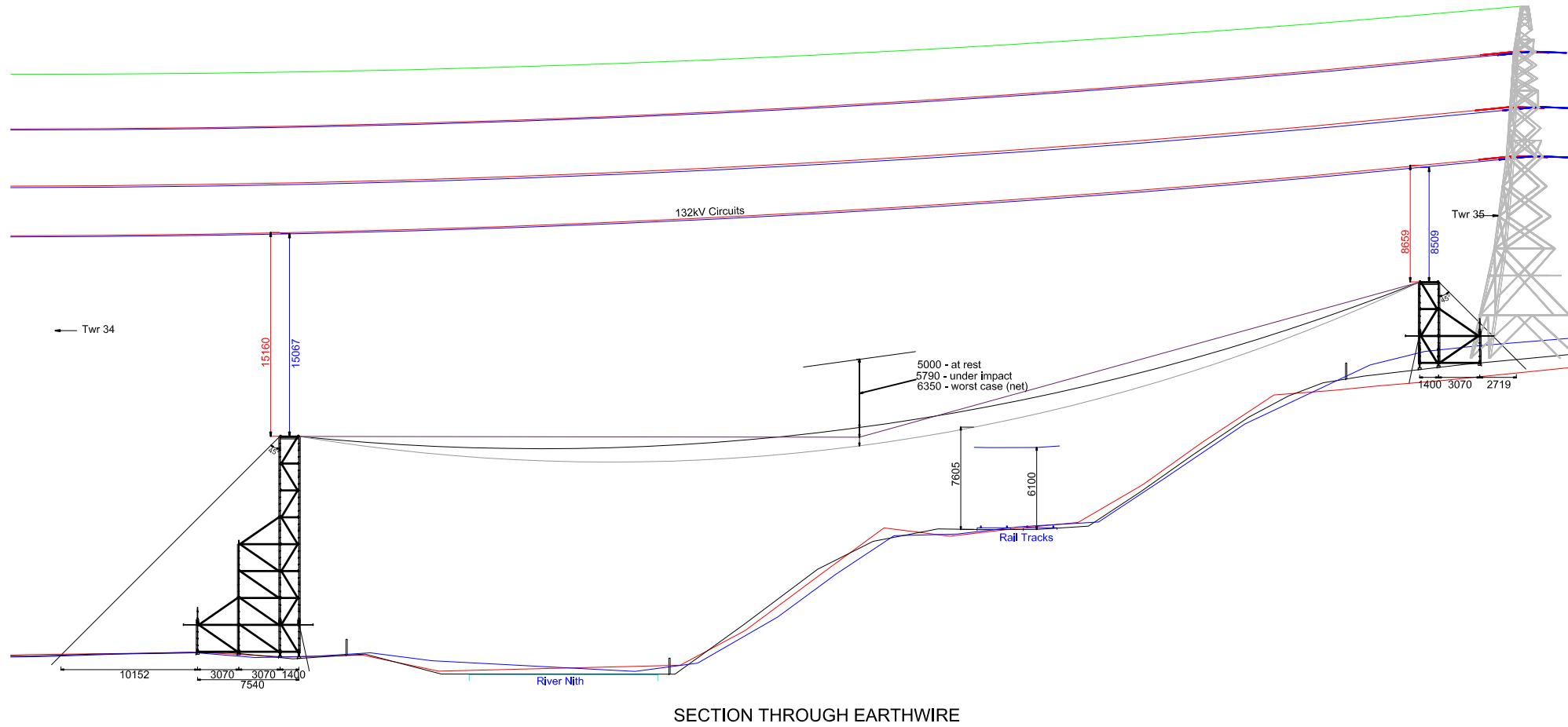


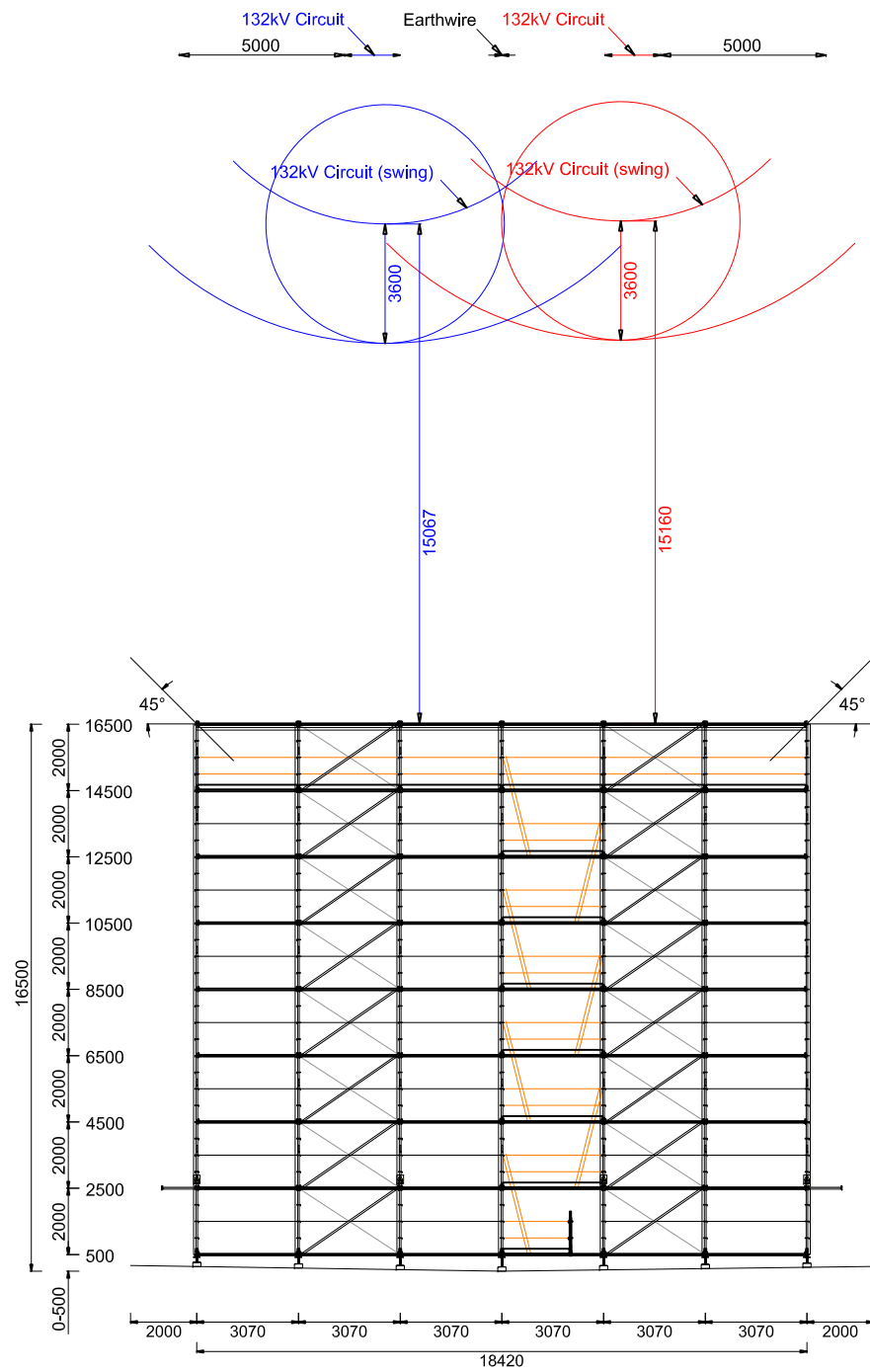
Figure 4.7a: Proposed Scaffolding Arrangement
(Section Through Earth Wire and Plan View)



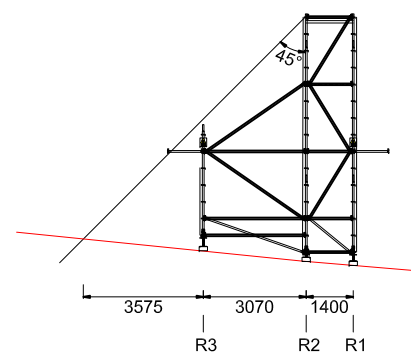
NOT TO SCALE

THIS DRAWING HAS BEEN PRODUCED FOR DISCUSSION / DESIGN DEVELOPMENT PURPOSES ONLY
Drawing Reference: SP Energy Networks - 90SP1182-10-001-Issue1 - Scaffolding.dwg

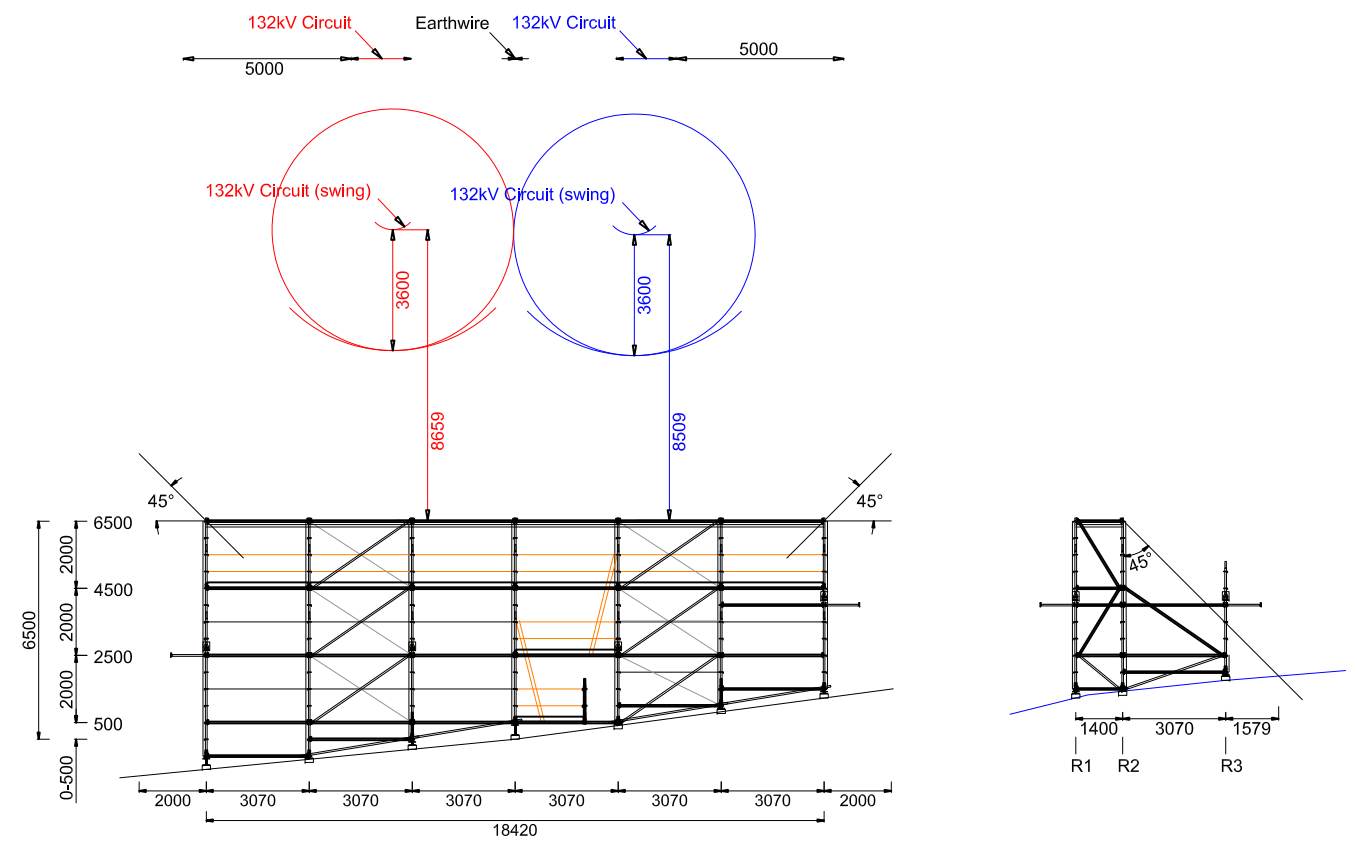
Figure 4.7b: Proposed Scaffolding Arrangement
(Front Elevation and Indicative End Frame)



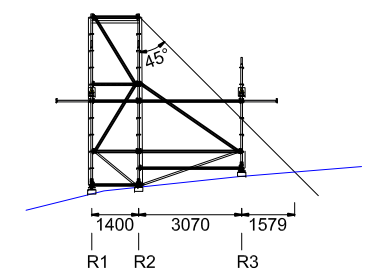
FRONT ELEVATION
TWR 34 SIDE



INDICATIVE SECTION
END FRAME



FRONT ELEVATION
TWR 35 SIDE

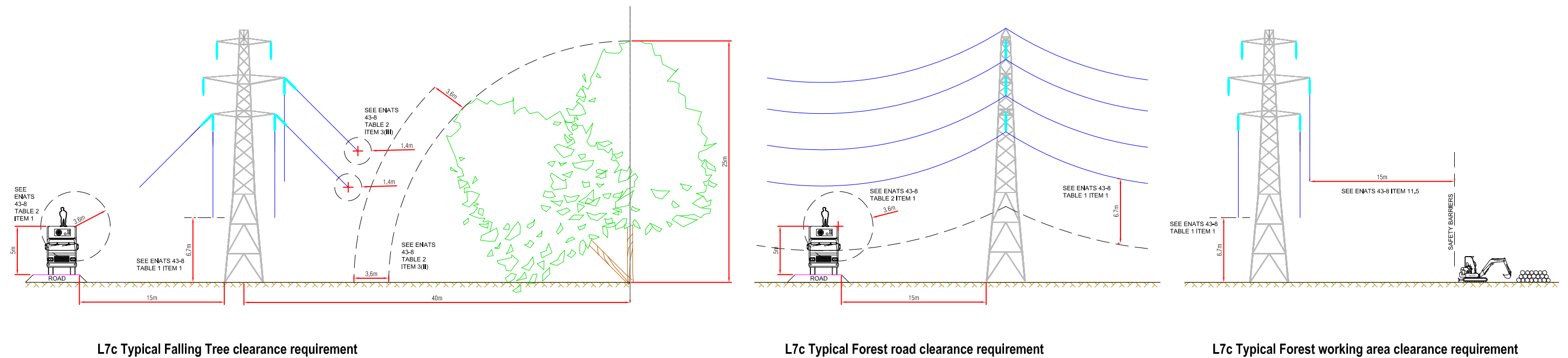


INDICATIVE SECTION
END FRAME

NOT TO SCALE

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Drawing Reference: SP Energy Networks - 90SP1182-10-001-Issue1 - Scaffolding.dwg

Figure 4.8: Forestry Clearance Requirements

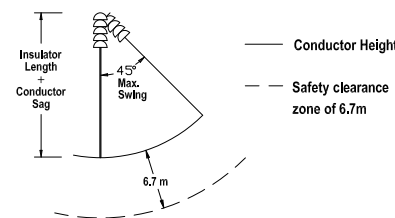


NOTES:

1. DO NOT SCALE DRAWINGS.
2. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
3. CLEARANCE IS BASED UPON CONDUCTOR IN STILL AIR AT MAX OPERATING TEMPERATURE AND SWING.
4. DEVELOPERS AND PERSONNEL SHOULD BE AQUAINTED WITH THE FOLLOWING:
 - I) ENATS 43-8 OHL CLEARANCES
 - II) H.S.E GUIDANCE NOTES GS6 - AVOIDANCE OF DANGER FROM OHL
 - III) ELECTRICITY COUNCIL ENGINEERING RECOMMENDATIONS G35 - PRECAUTIONS TO BE TAKEN BY PERSONS WORKING IN VICINITY OF ELECTRIC LINES ON CONSTRUCTION SITES
5. UPON CONSTRUCTION PHASE, ADDITIONAL ADVICE SHOULD BE OBTAINED FROM:
 - SP ENERGY NETWORKS ENGINEERING AND TRANSMISSION OPERATIONS SECTION (ETOPS)
 - 55 FULLARTON DRIVE, CAMBUSLANG, GLASGOW, G328FA
 - TELEPHONE - 0141 614 0131
6. THIS DRAWING HAS BEEN PRODUCED TO SHOW THE RELATIONSHIP BETWEEN THE PROPOSED OHL TOWERS AND AREAS LOCATED TYPICALLY IN THE FORESTRY. IT SHOULD NOT BE USED FOR ANY OTHER PURPOSE.

7. PARTICULAR ATTENTION SHOULD BE TAKEN TO TABLE 1 OF ENATS 43-8. THIS REFERS TO THE REQUIRED GROUND CLEARANCE FOR 132kV CONDUCTORS. ATTENTION SHOULD BE TAKEN TO TABLE 2 THIS REFERS TO FALLING TREE CLEARANCE AND ATTENTION SHOULD ALSO BE TAKEN TO SECTION 11 OF ENATS 43-8 WHICH REFERS TO H.S.E GUIDANCE (GS6)

8. SWING CLEARANCES:
THE CONDUCTORS MAY SWING (BLOW-OUT) TO A MAXIMUM OF 45° DURING VERY STRONG WINDS. CLEARANCES NEED TO BE MAINTAINED FOR THIS SITUATION.



NOT TO SCALE

THIS DRAWING HAS BEEN PRODUCED FOR DISCUSSION / DESIGN DEVELOPMENT PURPOSES ONLY
Drawing Reference: SP Energy Networks - 1C26-1-0001-DO-SPENEL-0203-Rev 03 Typical L4m & L7c Clearance Sketch