

Drawing Services - 06A - Transmission and Distribution - Electrical Layout / Design Symbols

Corporate Work Instruction

Hazards	Personal Protective Equipment	Tools & Equipment
N/A	N/A	N/A

Note: This work instruction should be read in conjunction with the other Drawing Instructions. Refer to the Overview of Drawing Instructions for details.

Note: Additional Drawings Work Instructions exist for the provision of Water and Sewerage Infrastructure in subdivisions, refer to Guidelines for Developers and Consulting Engineers (TRIM: D2007/24189); and provision of Power Infrastructure in subdivisions, refer to Power Networks Design and Construction Guidelines, NP001.10 Documentation Requirements (TRIM: QDOC2007/15).

Purpose: The purpose of this Instruction is to identify the library of symbols to be used for preparing electrical transmission and distribution drawings for PWC.

1. All PWC Transmission and Distribution layout/design drawings are the very same FIS graphic digital data capture symbols selected from the cell library "power.cel".
2. This cell library is managed by FIS Officers and is controlled by the FIS Procedures, (TRIM: F2006/14505).
3. The cell library "power.cel" is available in the Microstation format only, upon request to any PWC Regional FIS Officer or PWC Regional Draftsperson.

Note: No alterations are to be made to the cell library or element attributes of individual cells.



Danger



Caution



Tag



Environmental



Permit



Document

Approved by:	Prepared by:	Issue Date: 26/02/2007	Status: Approved
Paul Heaton General Manager Water Services	Ronald Innes Technical Officer Engineering Drawings	File No.: F2005/3163	Version: 1

4. The cells are placed at a scale of 1, suitable for drawings produced at a scale of 1:1,000. Drawings prepared at alternate scales are to have the cell scaled as shown below.

Final Plot Scale	1:250	1:500	1:1000	1:2000	1:2500	1:5000
Cell Active Scale. AS=N	.25	.5	1	1	1	2.5

Note: For placement of cells for the graphic data capture of power distribution assets, drawings are also to be prepared with the following settings:

Working Units

Master Units = m (meters)

Sub Units = mm (millimetres)

Sub Units / Master = 1000

Positive Units / Sub unit = 1

Co-ordinate Readout

Co-ordinates:

Format = Master Units

Accuracy = 0.123

Angles

Format = DD MM SS

Mode = AZIMUTH (Active Angle = 90°)

