

Drawing Services - 06C - High Voltage System Diagram 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 work instruction is to provide a set of Standard System Diagram Symbols for use in High Voltage Operational Diagrams.

1. All PWC System Diagrams are to be drawn using the Cell Library sysdiag.cel. and the attached Symbol Library DP60, DP61, and DP 62. The Symbol Library provides the symbol description and key in cell name.
2. The Cell Library sysdiag.cel is not to be modified without the Drawing Services Managers approval.
3. System diagrams are to be drawn on standard PWC drawing sheets.
4. System Diagrams are to be issued depicting non-connecting feeders in different colours (Refer example DP63).
5. System Diagrams are to show: -
 - a. Title
 - b. Drawing Number
 - c. Amendment Notation
 - d. Approval and Date
 - e. Legend



Danger



Caution



Tag



Environmental




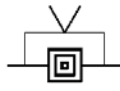










Permit





Document

Approved by:	Prepared by:	Issue Date:	Status:
Paul Heaton General Manager Water Services	Ronald Innes Technical Officer Engineering Drawings	26/02/2007	Approved
		File No.:	Version:
		F2005/3201	1

High Voltage System Diagram Symbols

DESCRIPTION	SYMBOL	CELL NAME
Air Break Switch		ABS
Auto-Recloser		AR
Transformer		TF
Capacitor Bank		CAP
Broken Bridges		BRB
Fuse Overhead		FUSE
Cable Termination/Links		CTERML
Cable Termination		CTERM
Fused Cable Termination		FTERM
Links		LINK
Fault Indicator		FI
Circuit Breaker		CB

								 POWER AND WATER AUTHORITY <small>NORTHERN TERRITORY</small>	DES M. BOCK DRN R. INNES CKD ... APPD ... SCALE 1:1 ISSUED APR '97 ALL DIM. IN mm	DRAWING PROCEDURES SYSTEM DIAGRAM SYMBOLS HIGH VOLTAGE	A4 DRAWING NUMBER DP-60	 AMDT
NO	DESCRIPTION	DRN	DATE	APPD	AMENDMENTS				DRAFTING STANDARD TO A.S.1100 CAD PRODUCT — DO NOT AMEND MANUALLY			

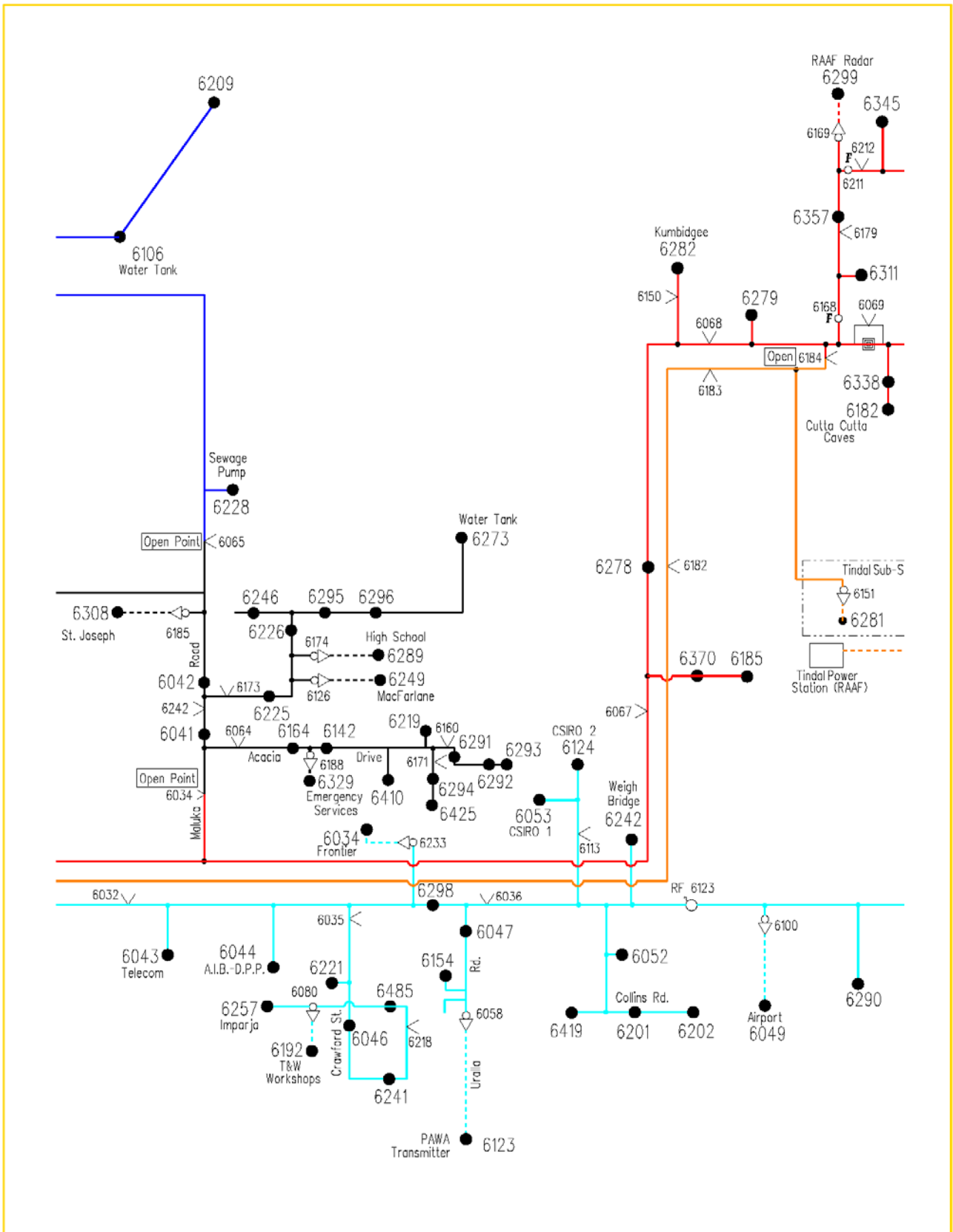
High Voltage System Diagram Symbols

DESCRIPTION	SYMBOL	CELL NAME
Single Phase Package Substation		SUB
Ring Main Unit and Package Substation (L - Lucy, R - Reyrolle, LC - Long and Crawford, GEC - General Electric.)		RMU
Package/Indoor Substation (K - Krone, Hz - Heyzemeyer, BB - Brown Bovari.)		PISUB
Switching Station		SWIST

					DES M. BOCK DRN R. INNES CKD ... APPD ... SCALE 1:1 ISSUED APR '97 ALL DIM. IN mm		DRAWING PROCEDURES SYSTEM DIAGRAM SYMBOLS HIGH VOLTAGE		
AMENDMENTS					A4	DRAWING NUMBER DP-62			
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A4 210 X 297

High Voltage System Diagram Symbols



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					DRN R. INNES	
				CKD ...		
				APPD ...		
				SCALE 1:1		
				ISSUED APR '97	A4 DRAWING NUMBER DP-63	
				ALL DIM. IN mm		
AMENDMENTS				NORTHERN TERRITORY	DRAFTING STANDARD TO A.S.1100	CAD PRODUCT — DO NOT AMEND MANUALLY

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