

Drawing Services - 07A - Water and Sewerage 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 work instruction is to provide Water and Sewerage Drafting symbols plus guidelines to assist in the production of Digital Drawings.

All PWC Water and Sewerage layout / design drawings are based on FIS Graphic Digital Data Capture symbols. Refer to the FIS Work Instructions for details of the symbols used.

All symbols shall be selected from the cell library "WATER.CEL or SEWER.CEL" provided

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

The symbols are produced at an active scale of 1. This is to suit a final plot scale of 1:1000. Drawings requiring final plots with alternative scales, refer to the table 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, refer FIS procedures for Water Services data capture.



Danger



Caution



Tag



Environmental



Permit



Document

Approved by: Paul Heaton General Manager Water Services	Prepared by: Ronald Innes Technical Officer Engineering Drawings	Issue Date: 26/02/2007	Status: Approved
		File No.: F2005/3205	Version: 1

Water and Sewerage Layout – Design Symbols

Working Units

Master Units = m (meters)

Sub Units = mm (millimetres)

Sub Units / Master = 1000

Positive Units / Sub unit = 1

Co-ordinate Readout

1. Co-ordinates:

Format – Master Units

Accuracy – 0.123

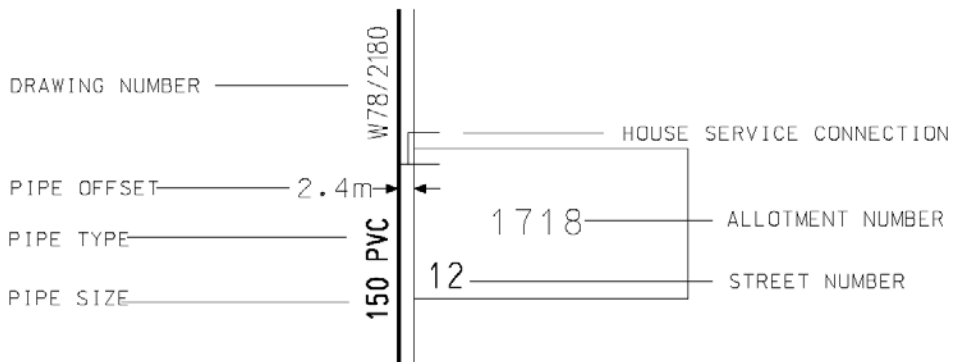
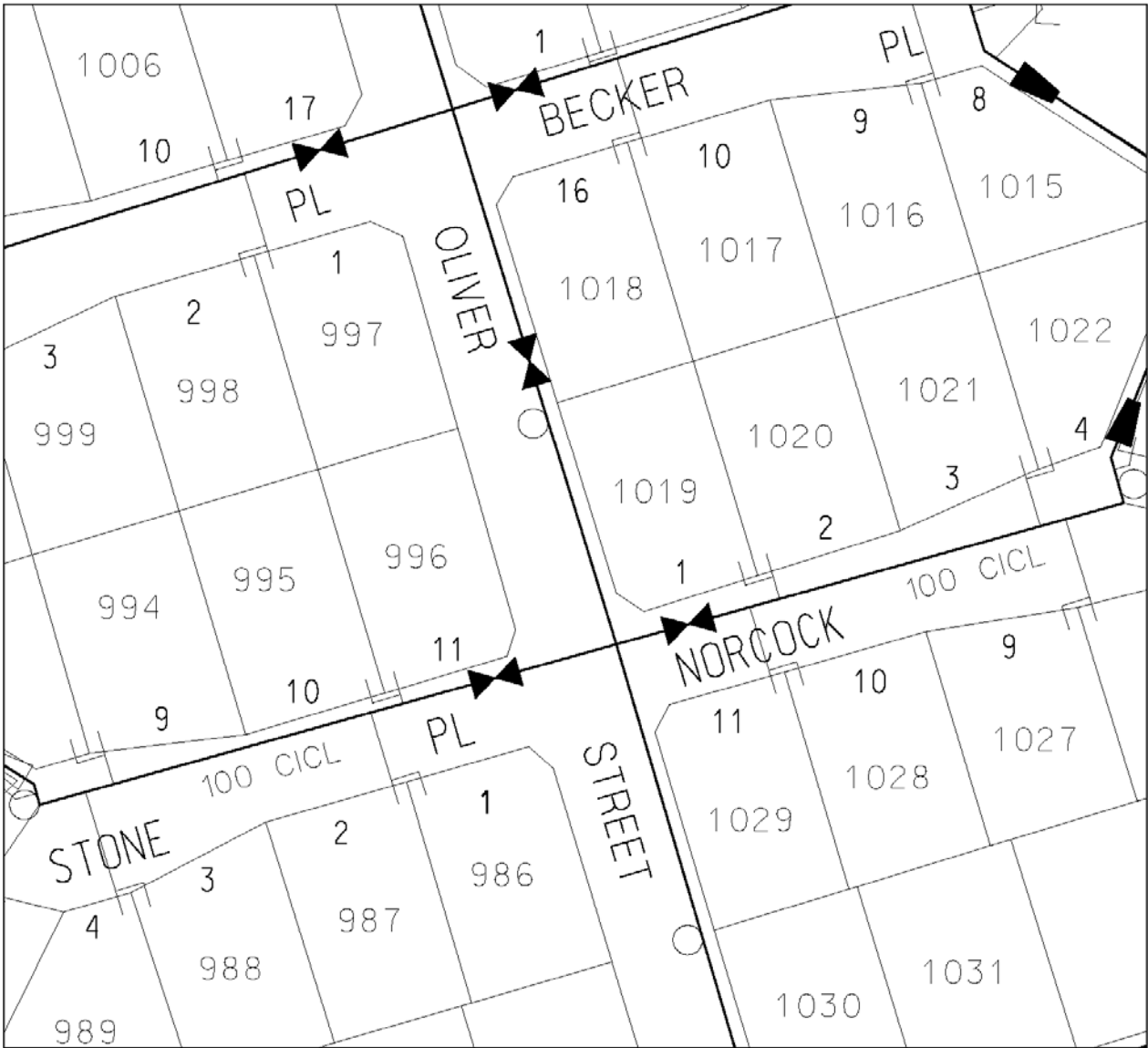
2. Angles:

Format – DD MM SS

Mode – AZIMUTH (Active Angle = 90°)

Accuracy - .123

Water and Sewerage Layout – Design Symbols



				<p>POWER AND WATER AUTHORITY</p> <p>NORTHERN TERRITORY</p>	DES	PAWA	DRAWING PROCEDURES - FIS WATER PLAN - SAMPLE ONLY
					DRN	water - FIS	
				CKD	JFC		
				APPD	MFI		
				SCALE	1:1		
				ISSUED	Oct '96	A4 DRAWING NUMBER DP-117	
				ALL DIM. IN mm			
AMENDMENTS				DRAFTING STANDARD TO A.S.1100		AMDT	
No	DESCRIPTION	DRN	DATE	APPD	CAD PRODUCT — DO NOT AMEND MANUALLY		

A4 210 X 297

