

## **PREPARING WORKS AS EXECUTED DATA FOR COUNCIL STORMWATER ASSETS**

### **Report Guidelines**

This guideline is intended to provide advice to applicants on Preparing Works as Executed Data for Council Stormwater Assets.

#### **What are Works as Executed Data for Council Stormwater Assets?**

Works as executed data requirement of Council stormwater assets consists of a Works As Executed (WAE) plan (dwg file), a spreadsheet and a closed circuit television (CCTV) report which is to be prepared to enable Council to update records and note variations to Council stormwater assets.

#### **What are Works as Executed Data for Council Stormwater Assets required?**

Works as executed data for Council stormwater assets is required following development works which modify Council's stormwater assets or create new stormwater assets that will be handed over to Council's care and control. Generally this is imposed as a condition of development consent.

#### **Technical Requirements for Works as Executed Data for Council Stormwater Assets**

The Works as Executed Data is to be provided by a registered surveyor and should comply with the following:

##### **1. Level of accuracy:**

- X, Y coordinates (Easting; Northing) shall be +/-0.05m
- X, Y (Easting; Northing) to GDA 94 Map Grid of Australia Zone 56 (MGA94)
- Reduced level heights shall be +/-0.01m
- Reduced levels shall be in terms of Australian Height Datum (AHD)

##### **2. Appropriate Formats**

- Spreadsheet (.xls)
- WAE electronic plan – drawing (.dwg AutoCAD 2009 or earlier version)
- CCTV report / footage DVD (.mpeg)
- Pits:
  - Pit # (available from Council)
  - Y coordinate (Northing)
  - X coordinate (Easting)
  - Installation date
  - Pipe Type
  - Pit Material
  - Grate RL
  - Pit depth
  - Lintel
  - Pit Inflow type

- Pipes
  - From (upstream) Pit #
  - To (downstream) Pit #
  - Upstream invert level
  - Downstream invert level
  - Installation date
  - Pipe type
  - Pipe length
  - Pipe material
  - Pipe diameter
  - Construction type
  - Joint type

## **WAE Plan**

A registered survey is to electronically amend the approved 'design plan' to reflect the Works as Executed information. In this respect the electronic copy of the drawing file should contain the Works as Executed information on a separate drawing layer.

The WEA plan is to provide the following information:

- The reduced levels (AHD) of all pit and pipe attributes should be listed in the following order:
  - Pit lid level (road gully pit levels to be taken at centre of grate in the gutter junction pits
  - Centre of lid – reduced level of the invert of the outlet pipe
  - Thereafter, each inlet pipe invert in a clockwise direction from the outlet
- Coordinates of all surface features and changes of horizontal alignment (bends) must be shown (refer Datum heading for coordinate system);
- All pipe sizes, classes, material and grades

In relation to formalised overland flow paths:

- The position (coordinates for start and finish points and changes of direction) of formalised overland flow paths
- The reduced levels at appropriate intervals over the length of any formalised overland flow paths including top and bottom of any retaining structures.

## **Other general requires of reporting**

All reports are to meet the following standards:

- Include an executive summary;
- Be professionally prepared; and
- Provide details and qualifications of author.