# ROAD DESIGN PRESENTATION STANDARDS

# DP006 – DRAINAGE

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## Document Amendment Record

| Rev | Change Description                          | Date                    | Author                        | Checked         | Authorised       |
|-----|---|-------------------------|-------------------------------|-----------------|------------------|
| 1   | Initial Issue                               | 29 July 2009            | Anthony Crotty                | Natasha Stone   | Noel O'Callaghan |
| 2   | General review of text and example drawings | 14<br>September<br>2009 | John Hastie<br>Alison Freer   |                 | Noel O'Callaghan |
| 3   | General review of text and example drawings | 23 December<br>2011     | Natasha Stone<br>Alison Freer | Jeremy Champion | Noel O'Callaghan |
| 4   | Culvert label and legend updated            | 15 February<br>2013     | Natasha Stone                 | Jeremy Champion | Noel O'Callaghan |

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To be read in conjunction with CAD Manual & Presentation Guidelines DP001 (Master Specification PC-EDM7)

### DP006 DRAINAGE

#### 1 Purpose

- 1.1 The 'Drainage' drawing is used to show the location and orientation of new drainage structures, drains, scour protection treatments and existing drainage structures and drains that are to remain. The drawing is also used to shows specific construction/maintenance details for the above items using various schedules.
- 1.2 For examples of this standard see attached drawings.
- 1.3 The details listed below can be arranged on the General Construction drawing provided they do not cause the drawing to become congested.

#### 2 Content

- 2.1 Layers to be shown as per the DPTI Layer Matrix (DP 001, Appendix A)
- 2.2 The following CAD entities are required:
  - a) All information in DP 001 General Requirements.
  - b) Symbols showing new drainage structures. (layer = "D-DRAI-Drainage Structure", block provided)
  - c) Drainage Structure ID numbers identifying new drainage structures and existing drainage structures to remain. (layer = "D-ENHA-General Notes", block provided)
  - d) Lines showing new stormwater pipes (layer = "D-DRAI-DI-Pipe Invert", line style provided)
  - e) Lines showing new stormwater culverts (layer = "D-DRAI-DB-Box culvert Invert", line style provided)
  - f) Text identifying new drains by their string name. (layer = "D-DRAI-Drainage Structure ID Label", block provided) (PS text height = 3.5mm)
  - g) Symbols showing new scour protection treatments. (layer = "D-DRAI-Drainage Structure", block provided).
  - h) Appropriate completed schedules. (Drain, Drain Connection, Levees, Drop Structure). (layer = "D-ENHA-Schedules", block provided)
  - i) Text describing specific drainage requirements. (layer = "D-ENHA-General Notes") (PS text height = 2.5mm)
- 2.3 Survey on the Drainage Drawing shall be untrimmed. (ie survey detail should extend across the design area)



