ROAD DESIGN PRESENTATION STANDARDS

DP013 - ROAD LIGHTING

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Document Amendment Record

Rev	Change Description	Date	Author	Checked	Authorised
1	Initial Issue	29 July 2009			Noel O'Callaghan
2	General review of text and example drawings	23 December 2011	Natasha Stone Alison Freer	Jeremy Champion	Noel O'Callaghan
3	Note 1 amended, Long/Lat added, PLIG points changed	21 January 2014	Natasha Stone	Greg Gurner	Noel O'Callaghan
4	Example drawing updated	11 March 2020	Disha Nayak	Yanyan Xiao	Joanna Davis
5	Example drawing updated	28 June 2021	Disha Nayak	John Brodie	Colin Boulden

Document Management

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

DP013 LIGHTING

1 Purpose

- 1.1 The 'Lighting' drawing is used to show the location and orientation of new lighting structures and related electrical components along with existing lighting structures and related electrical components that are to remain.
- 1.2 For examples of this standard see attached drawing.
- 1.3 The details listed below shall be arranged on separate lighting drawing unless specified otherwise.

Content

- 1.4 Layers to be shown as per the DIT Layer Matrix (DP001, Appendix A)
- 1.5 The following CAD entities are required:
 - a) All information in DP001 General Requirements.
 - b) Symbols showing new lighting pole. (Layer = D-ELEC-Lighting Pole, block provide)
 - c) Symbols showing new lighting outreach and Luminaire. (outreach drawn to scale). (Layer = D-ELEC-Lighting Outreach+Luminaire, block provide)
 - d) Symbols showing existing lighting outreach and Luminaire. (outreach drawn to scale). (Layer = S-ELEC-Lighting Outreach+Luminaire, block provide)
 - e) Text identifying both new lighting structures and existing lighting structures to remain. (layer = D-ELEC-Lighting ID number, block provided)
 - f) Lines showing lighting conduit. (layer = D-ELEC-Lighting Conduit, line style provide)
 - g) Text identifying new lighting conduit (number of & size). (layer = D-ELEC-Lighting Conduit Label) (Paper Space text height =2.5mm)
 - h) Appropriate completed schedules. (Lighting, Circuit Details, Luminaire and pole type). (layer =D-ENHA-Schedules)
 - Text describing specific lighting requirements. (layer = D-ENHA-General Notes)(Paper Space text=2.5mm)
 - j) Symbols showing switchboards. (layer = D-ELEC-Lighting Pits, block provided)
 - k) Symbols showing junction pit locations and size. (layer = D-ELEC-Lighting Pits, block provided)
 - I) Text identifying supply points. (layer = D-ELEC-Service Point ID Label)
 - m) Hatching must indicate the clearance from any overhead or underground cabling as required by the Office of the Technical Regulator (OTR). (only required to be shown if work is expected to occur within this zone. (layer =D-ELEC-Lighting Conduit)
- 1.6 Survey on the Lighting Drawing shall be trimmed (i.e. survey detail should only be shown outside the extents of the design)
- 1.7 Existing Services shall be shown

