Comparable Level of Lighting Classes from BS5489:2013								
-	ME1	ME2	ME3	ME4	ME5	ME6	-	-
CE0	CE1	CE2	CE3	CE4	CE5	-	-	-
-	-	-	S1	**S2**	S3	**S4**	S5	S6

Summary of Lighting CE Classes from BS5489:2003		
Class	**Eave**	**Uo**
CE0	50 lux	40%
CE1	30 lux	40%
CE2	20 lux	40%
CE3	15 lux	40%
CE4	10 lux	40%
CE5	7.5 lux	40%

Contours
Results - Horizontal Illuminance (lux)
Eav= 1,24
Emin= 0,00
Emax= 37,42
Emin/Emax= 0,00
Emin/Eav= 0,00

Section 38
Results - Horizontal Illuminance (lux)
Eav= 5,96
Emin= 1,03
Emax= 31,11
Emin/Emax= 0,03
Emin/Eav= 0,17

S278
Results - Horizontal Illuminance (lux)
Eav= 10,01
Emin= 3,28
Emax= 38,51
Emin/Emax= 0,09
Emin/Eav= 0,33

Junction
Results - Horizontal Illuminance (lux)
Eav= 11,12
Emin= 4,57
Emax= 35,05
Emin/Emax= 0,13
Emin/Eav= 0,41

Luminaire Data
Luminaire A P567-3 Lamp 70W SON-T
Luminaire B P567-3 Lamp 50W SON-T
Luminaire C SPH2/CTG/1523/123/-30/982694 Lamp 100W-SONT+
Luminaire E MRL6100N 100W SON-T Lamp 100W SON-T

Key
- Luminaire A Column
- Luminaire B Column
- Luminaire C Column
- Luminaire E Column
- Beam Aiming Target
- Photometric Centre

Notes

1. All column and signs in the verge or footway are to be serviced via Direct connection by Eon). Signs and Columns shall be fitted with secondary isolation above the DNO cut out. The Unit shall be as Leicestershire County Council specification i.e. Charles Lighting 'LS01. Fuse discrimination shall comply with BS7671 between the DNO cut out and the secondary isolation.
2. Where installed sub fuses for external sub circuits shall be fitted with 10A BS 88 fuses with a 2A fuse in the external sign. Fuse discrimination shall comply with BS7671.
3. Where there are known services in the vicinity of excavations the Contractor shall ensure hand digging is carried out with care. The Contractor shall arrange for statutory undertakers plant to be marked on site prior to excavations with mechanical excavators.
4. In this instance the use of 3 dimensional masking has not been used to take into consideration the actual position of high sided objects such as buildings and the like. Trees and shrubs etc have not been considered as their masking ability will vary with seasonal conditions.
5. Iso contours produced in this drawing have been created using a conventional symmetrical grid. This does not take into account the spacing or weightings as detailed in BS5489 or BS EN 13201-3:2003.
6. Copies of the original Lighting Reality calculations are available upon request





Key

- New tubular steel road lighting column of 8m nominal height with post mounted Urbis Sapphire 2 lantern (SPH2/CTG/1523/123/-30/982694) fitted with 100w SONTPP lamp integral electronic gear and Zodion SS12HT photocell set to switch on at 35lux with 1:0.5 (see notes 1)
- New tubular steel road lighting column of 6m nominal height with post mounted CU Phosco P567A lantern (Position 3) fitted with 50w SONTPP lamp integral electronic gear and Zodion SS12HT photocell set to switch on at 35lux with 1:0.5 (see notes 1)
- Existing column to remain
- Existing column to be disconnect and removed to tip
- 79 Project column number
- 11 Existing column number
- 5 lux iso-contour line
- 1 lux iso-contour line
- 3 lux iso-contour line

REV	DETAILS	DWN	DATE
A	Island supply details added	RSS / NWS	25.02.13

Drawing Number	Revision
1846-D-01	A

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Drawing Title
Proposed
Section 38 and 278
Road Lighting and
Illuminance Layout

Scale at A1	Sheet 1 of 1
1-500	
Drawn: NWS	Date: 24/02/13

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