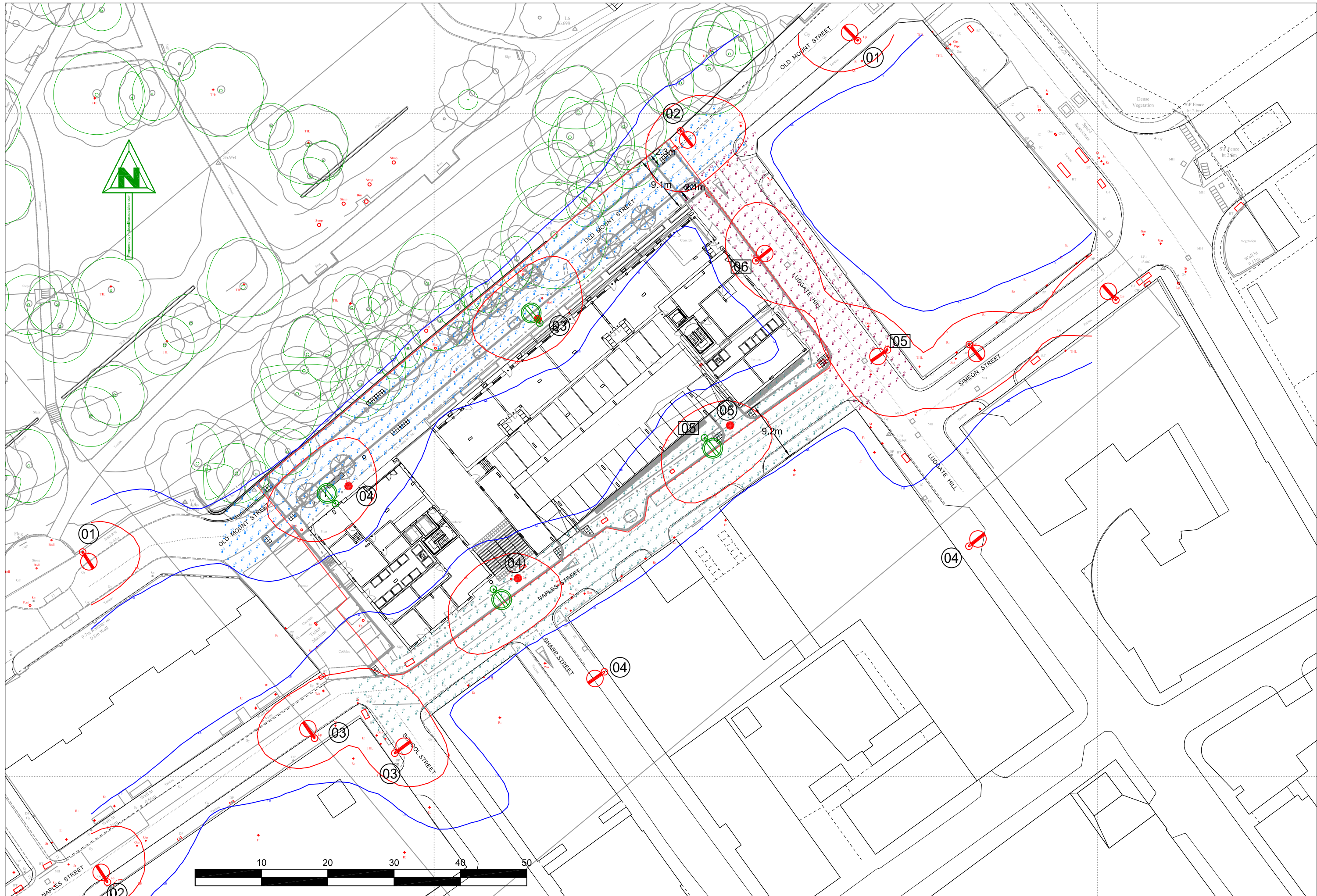
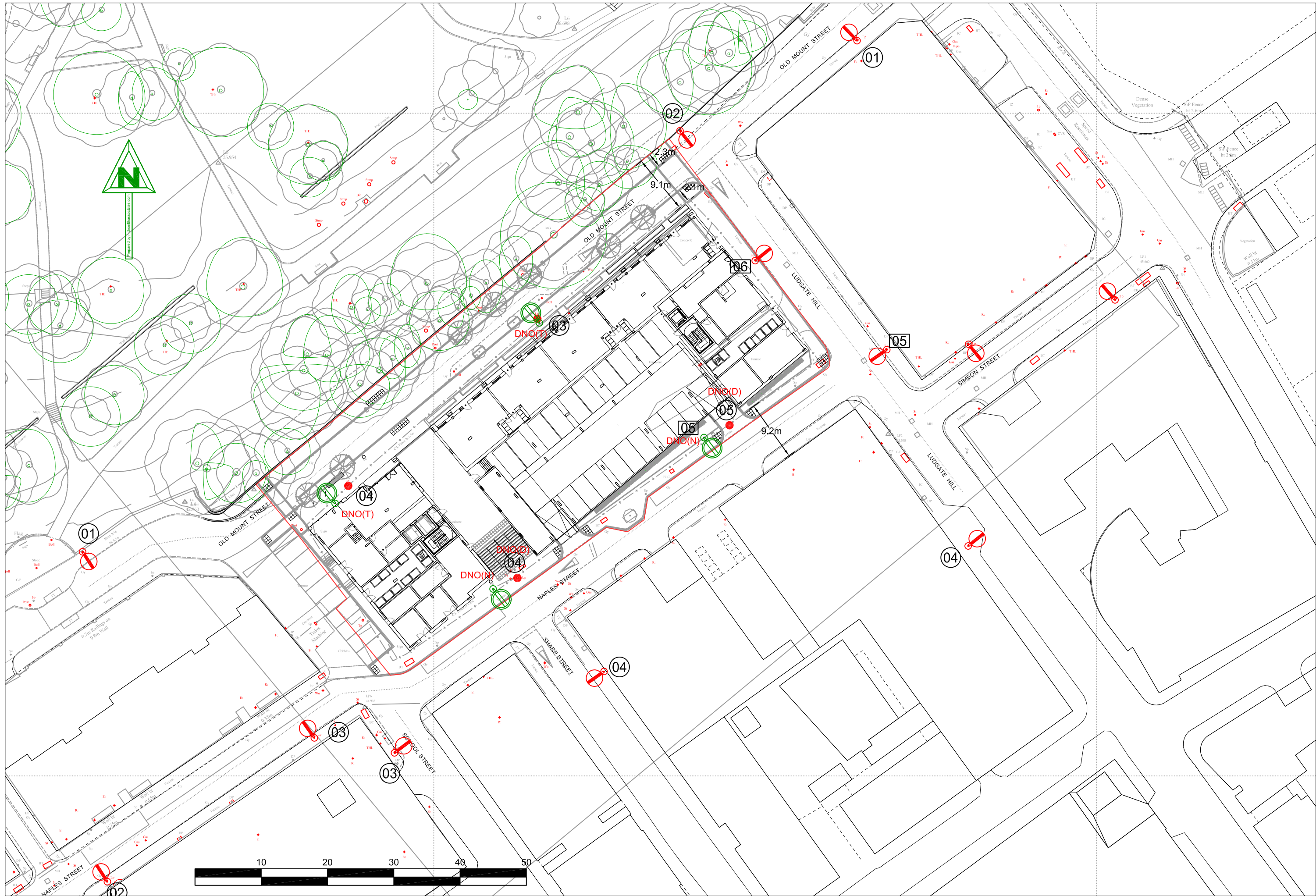




Comparable Level of Lighting Classes from EN13201-2:2015										
M Class	-	M1	M2	M3	M4	M5	M6	-	-	-
C Class	C0	C1	C2	C3	C4	C5	-	-	-	-
P Class	-	-	-	-	P1	P2	P3	P4	P5	P6

Summary of Lighting P Classes from EN13201-2:2015			
Class	Eave	E Min	E Ave Max
P1	18 lux	5 lux	25.8 lux
P3	7.50 lux	1.50 lux	11.25 lux
P5	3.00 lux	0.50 lux	4.50 lux
P6	2.00 lux	0.40 lux	3.00 lux

Ludgate Hill
Results - Horizontal Illuminance (lux)
Eave= 8.52
Emin= 1.51
Emax= 31.75
Emin/Emax= 0.05
Emin/Eave= 0.18
Emax/Eave= 3.73

Naples Street
Results - Horizontal Illuminance (lux)
Eave= 8.35
Emin= 1.79
Emax= 32.20
Emin/Emax= 0.06
Emin/Eave= 0.21
Emax/Eave= 3.85

Notes

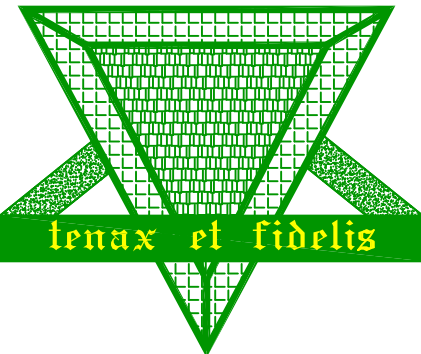
- All columns and signs shall be serviced via DNO supplies and fitted with a 20A fuse.
- Columns shall be fitted with secondary isolation above the DNO cut out. The Unit shall be as Manchester City Council specification i.e. Charles Endirect LSA02 with a 32A Isolator and as BS88 Fuse Carrier. Fuse discrimination shall comply with BS7671 between the DNO cut out and the secondary isolation.
- If required sub fuses for external sub circuits shall be fitted with 10A BS 88 fuses with a 6A fuse in the external sign. Fuse discrimination shall comply with BS7671.
- Prior to any excavation the contractor shall have reviewed the existing services in the area of the excavation. Residual risks where known have been indicated. The have been based upon design drawing and may have changed at construction stage. 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 excavation.
- 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.
- 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 13201-3:2015
- Equipment shown on this drawing is available through most specialist street lighting electrical distributors like Electrical Lighting Solutions (www.elsld.co.uk), Marwood Electrical (www.marwoodelectrical.co.uk) or Maclean Electrical (www.macleanelectrical.co.uk)
- Copies of the original lighting reality calculations available upon request please send a email to mail@nicksmithassociates.com quoting the project number,

Key

- Existing column to be disconnected and removed to tip
- Existing 6m column fitted with Philips Luma lantern to remain
- Proposed steel galvanised 6m column with post mounted Philips Luma gen 2 lantern (BGP702 DM10 6600 230 LED 5.25 CLO L80 T40) with neutral white LED to deliver 6600 lumens, integral dali driver, 7 pin nema socket and photocell set to switch on at 35 / 18 lux switching regime
- Proposed column number
- Existing column number
- 7.5 lux iso-contour line
- 1.5 lux iso-contour line
- DNO(N) New DNO supply
- DNO(D) Disconnect DNO supply
- DNO(T) Transfer DNO supply
- Wattage:42w
- Charge Code : 42 042 0000 100
- Switching Regime: 808

REV	DETAILS	APP DWN	DATE
Drawing Number			Revision
2718-D-01			-
Client			
Dexcon Construction			
Project			
Development between Old Mount Street and Naples Street Manchester			
Drawing Title			
Proposed Road Lighting and Illuminance Layout			
Scale at A1 1:500		Sheet 1 of 1	
Drawn NWS		Date 23.04.21	

Nick Smith Associates Ltd



Tel: 01246 229444
Fax: 01246 270465
mail@nicksmithassociates.com
www.nicksmithassociates.com