GLASGOW CITY COUNCIL - LIGHTING CC9

Project Title:
Development RCC/ S56 Ref No.
Drawing No. & Revision No.
Designer: **Designer Check Date:** **GCC Check:**

	PRESENTATION	n/a	Yes	No	Pass	Fail
P1	Layout Drawing • 1:500 Scale, black line/ text on white background					
P2	Drawing legend to indicate proposed, retained & removed equipment					
P3	'North' orientation indicated					
P4	Existing Street Names & retained street lights (inc. column refs nos.) indicated					
P5	Layout drawing indicates features e.g., traffic calming, pedestrian crossings, bridges, culverts, rail lines, steps, building overhangs, trees (existing and proposed) & soft/hard landscapes					
P6	Lanterns • Manufacturer/ Model/ LED No./ Lumens/ Optic/ Drive Current/ NW 4000k/ Wattage/ Tilt/ Elexon Charge Code (UMSUG)/ CLO and Zhaga-D4i Certified with factory pre-wired twin Zhaga-D4i Book-18 sockets (Top & Bottom). Remote path or shared surface 'post top' style luminaire with Symmetrical Distribution, one Zhaga B-18 socket shall be fitted on top					
P7	Consent Title & Ref No./ GCC 'Standard Drawing Notes' Inc. GCC site contact details					
P8	Supporting lighting design calculations supplied & referenced to the lighting drawing - Road Surface Type = C2 • Road Surface Coefficient (Q0) = 0.07 Luminaire Maintenance Factor (LED) = 0.84MF ≤ 6m • 0.92MF ≥ 8m • & 0.92MF for all discharge lighting Post mounted & Luminaire tilt = 0 deg incline ≤ 6m • 0 deg incline ≥ 8m with a Max. 5 deg incline Provide glare control performance by complying with Luminous Intensity Class min. 'G3'					
P9	CDM Design Risk Assessment supplied & referenced to the lighting drawing					
	LIGHTING DESIGN					
L1	GCC (Glasgow City Council) Adoptable areas all lit					
L2	Non GCC adoptable areas to be lit has Private Lighting indicated					
L3	All adoptable equipment contained within GCC adoptable areas					
L4	Min. distance between columns acceptable >15 metres. (Including Private Lighting)					
L5	Equipment selection suitable for Road Type					
L6	Column spacings meeting limits of design calculations					
L7	Lanterns at right angles to heel of footways/ paths					
L8	Lighting levels & design geometry acceptable					
L9	Equipment positions sympathetic with property driveways, windows, accesses etc.					
L10	Non vehicle maintenance considered - e.g. 'mid-hinged' columns should be used on paths at 5 metre height & with the direction of fall indicated					
L11	All equipment generally at heel of footways					
L12	Contiguous lighting system shown to include 3 existing units in all directions					
	ELECTRICAL DESIGN					
E1	Electrical separation of Adoptable and Private lighting					
E2	Schematic diagram provided for each Power Supply positions					
E3	EFLI Values at pillar & end of circuits shown (on schematics)					
E4	Volt Drop values given for each circuit (on schematics)					
E5	Protective device & ratings for Load (Inc. lamp starting) and EFLI acceptable					
E6	Unit reference numbers to be indicated on layout drawing & schematics					
E7	Lattice earth mats at both supply & ends of circuits with more than 3 units					
E8	Cabling • 3c x 16mm² PVC/SWA/PVC or 3c x 6mm² to illuminated signs					
E9	Max. number of cables terminated at any column - three					
E10	Switching • Group Control (Westire Set 45-18/55N Digital Programmable Solar Timeclock)					
E11	Illuminated traffic signs (above 20mph limit) & non-lit retroreflective reboundable self-righting bollards indicated					
E12	Electrical supply to new lighting pillars generally 3-Phase					
E13	Circuit maintainability designed in cable runs, re-cabling & restricting outages etc					