



SITE LIGHTING INSTALLATION NOTES

- 1.00 LIGHTING POLES TO BE ALUMINIUM, ROOT MOUNTED, CONE SHAPED WITH TOP TAIL OF Ø60mm clw CLASS II 4x16mm² SHUNT TERMINAL CONNECTION BLOCK.
- 2.00 ALL CABLING TO EXTERNAL LIGHTING LOCATIONS TO BE WIRED IN 3 Core 6mm² CU/XLPE/SW/LSOH CONTAINED IN 107mm RED HDPE DUCTS WITH WALL THICKNESS OF 5mm. THE DUCT MUST HAVE THE WORDS 'PUBLIC LIGHTING' STAMPED AT 1m INTERVALS. THE LETTERS MUST BE 9mm IN HEIGHT.
- 3.00 ALL IN GROUND HDPE DUCTS TO BE INSTALLED BY THE MAIN CONTRACTOR UNDER THE COORDINATION OF THE ELECTRICAL CONTRACTOR.
- 4.00 THE ELECTRICAL CONTRACTOR SHALL, PRIOR TO THE INSTALLATION, VERIFY THE CAPACITY OF THE IN-GROUND DUCT NETWORK TO THE MAIN CONTRACTOR.
- 5.00 EACH EXTERNAL PUBLIC LIGHTING LUMINAIRE SHALL BE SWITCHED BY MINIATURE PHOTO-ELECTRONIC SWITCH INTEGRATED INTO THE LED LUMINAIRE BY MEANS OF 7-PIN NEMA SOCKET AND EACH LUMINAIRE SHALL BE INDIVIDUALLY CONTROLLED BY THIS PHOTOCELL.
- 6.00 THE PHOTOCELL USED SHALL COMPLY WITH THE LATEST VERSION OF BS5972. THE PHOTOCELL CONTROLL SHALL SWITCH ON/OFF THE LUMINAIRE AT 35 / 18 LUX RESPECTIVELY.
- 7.00 ALL OUTGOING CIRCUITS SHALL BE INDIVIDUALLY FUSED BY MEANS OF A 20A HRC CUT-OUT TYPE AND CAPABLE OF ACCOMMODATING CABLE SIZES UP TO 25mm². THESE FUSES SHALL BE RATED 16KA MINIMUM RUPTURING CAPACITY AND SHALL COMPLY WITH BS88.
- 8.00 THE LIGHTING IS TO COMPLY WITH REQUIREMENTS OF LATEST VERSION OF SOUTH DUBLIN COUNTY COUNCIL PUBLIC LIGHTING SPECIFICATION
- 9.00 THE CONTRACTOR SHALL MAKE A FULL TECHNICAL SUBMITTAL TO THE DESIGN TEAM FOR ALL EXTERNAL LIGHTING FOR APPROVAL PRIOR TO ORDERING.
- 10.00 THE LIGHTING IS TO BE INSTALLED TO LATEST IRISH WIRING REGULATIONS I.S. 10101:2020+AC1:2020 AND TO PROVIDE ADEQUATE ROAD LIGHTING AS PER IS EN 13201-2:2015

SITE LIGHTING REFERENCE KEY

- LIGHTING CIRCUIT
- X3 LED LANTERN LUMINAIRE (ROAD LIGHTING)
- X4 DECORATIVE POST-TOP LANTERN LUMINAIRE

REF: 'X4' LUMINAIRES	REF: 'X3' LUMINAIRES
18W, 2672LM, LED LUMINAIRE @ 4M, 3000K, IP66 DIMS: 194 (L) x 815 (W) x 194mm(H)	49.5W, 8154LM, POLE MOUNTED LED LUMINAIRE @ 6m DIMS: 740 (L) x 118 (W) x 427mm(H)
AS PER LUMINAIRE SCHEDULE	AS PER LUMINAIRE SCHEDULE



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STATUS	DATE	DESCRIPTION	DRN	ENG	APP	REV

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S2	03.08.2023	ISSUED FOR INFORMATION	DS	JL	JR	P01

PROJECT
TALLAGHT HERITAGE CENTRE
OLD BLESSINGTON ROAD, DUBLIN 24

CLIENT
SOUTH DUBLIN CITY COUNCIL

DRAWING TITLE ELECTRICAL SERVICES INSTALLATION SITE PLAN SITE LIGHTING SERVICES LAYOUT			STATUS S2
			REVISION P01
IN2 REF: D2301	DRAWING No. D2301-IN2-SW-00-DR-E-0101	SCALE 1:200	SIZE A1