WLC654-LS-004
WLC654-LS-002

LIGHTING NOTES:

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

IN ADDITION TO THE HAZARDS/RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING SIGNIFICANT RISKS (REFERENCE SHALL ALSO BE MADE TO THE DESIGN RISK ASSESSMENT).

1. NOT FOR CONSTRUCTION - PLANNING PURPOSES ONLY.

SYMBOL QUANTITY - #S REFER TO ALL PLANS

L# — 7

PROPOSED COLUMN AND LANTERN - SPEC TBC AT DETAILED DESIGN STAGE:

COLUMN:	10m TUBULAR GALVANISED STEEL LIGHTING COLUMN AS PER BS EN40 AND ECC HIGHWAYS STREET LIGHTING SPECIFICATION (APPENDIX 13/1)
LANTERN:	PHILIPS LUMA FINISHED RAL7035
LIGHT SOURCE:	40 LED 3000K WARM WHITE
OUTPUT:	10.00klm
OPTIC:	DM10
LANTERN MOUNTING:	POST TOP
LANTERN INCLINATION:	0°
CONTROL GEAR REF:	LED DRIVER AS PER ECC SPECIFICATION
ISOLATOR:	DOUBLE POLE 25A ISOLATOR AS PER ECC HIGHWAYS STREET LIGHTING SPECIFICATION
SWITCHING:	7 PIN NEMA SOCKET WITH TELENSA 5 PIN TELECELL REF: T21EN-G-3 REFER TO TELENSA NOTES BELOW FOR DETAILS REGARDING TELENSA ID LABELS.
SUPPLY:	TBC

L# — 5

PROPOSED COLUMN AND LANTERN - SPEC TBC AT DETAILED DESIGN STAGE:

COLUMN:	10m TUBULAR GALVANISED STEEL LIGHTING COLUMN AS PER BS EN40 AND ECC HIGHWAYS STREET LIGHTING SPECIFICATION (APPENDIX 13/1)
LANTERN:	PHILIPS LUMA FINISHED RAL7035
LIGHT SOURCE:	20 LED 3000K WARM WHITE
OUTPUT:	13.50klm
OPTIC:	DW50 BL1 (BACK LIGHT SHIELDING)
LANTERN MOUNTING:	POST TOP
LANTERN INCLINATION:	0°
CONTROL GEAR REF:	LED DRIVER AS PER ECC SPECIFICATION
ISOLATOR:	DOUBLE POLE 25A ISOLATOR AS PER ECC HIGHWAYS STREET LIGHTING SPECIFICATION
SWITCHING:	7 PIN NEMA SOCKET WITH TELENSA 5 PIN TELECELL REF: T21EN-G-3 REFER TO TELENSA NOTES BELOW FOR DETAILS REGARDING TELENSA ID LABELS.
SUPPLY:	TBC

L# — 28

PROPOSED COLUMN AND LANTERN - SPEC TBC AT DETAILED DESIGN STAGE:

COLUMN:	5m DW WINDSOR CARDIFF COLUMN - FACTORY FINISHED BLACK RAL9005
LANTERN:	DW WINDSOR STREET FACTORY FINISHED BLACK RAL9005
LIGHT SOURCE:	16 LED 3000K WARM WHITE
OUTPUT:	1.20klm
OPTIC:	A1
LANTERN MOUNTING:	POST TOP
LANTERN INCLINATION:	0°
CONTROL GEAR REF:	LED DRIVER
ISOLATOR:	DOUBLE POLE 25A ISOLATOR
SWITCHING:	MINIATURE PHOTOCELL 35/18 ON/OFF
SUPPLY:	TBC

L# — 4

PROPOSED COLUMN AND LANTERN - SPEC TBC AT DETAILED DESIGN STAGE:

COLUMN:	6m TUBULAR GALVANISED STEEL RAISE AND LOWER LIGHTING COLUMN AS PER BS EN40 AND ECC HIGHWAYS STREET LIGHTING SPECIFICATION (APPENDIX 13/1)
LANTERN:	PHILIPS LUMA FINISHED RAL7035
LIGHT SOURCE:	6 LED 3000K WARM WHITE
OUTPUT:	1.00klm
OPTIC:	DN09 BL1 (BACK LIGHT SHIELDING)
LANTERN MOUNTING:	POST TOP
LANTERN INCLINATION:	0°
CONTROL GEAR REF:	LED DRIVER AS PER ECC SPECIFICATION
ISOLATOR:	DOUBLE POLE 25A ISOLATOR AS PER ECC HIGHWAYS STREET LIGHTING SPECIFICATION
SWITCHING:	7 PIN NEMA SOCKET WITH TELENSA 5 PIN TELECELL REF: T21EN-G-3 REFER TO TELENSA NOTES BELOW FOR DETAILS REGARDING TELENSA ID LABELS.
SUPPLY:	TBC

L# — 40

PROPOSED COLUMN AND LANTERN - SPEC TBC AT DETAILED DESIGN STAGE:

COLUMN:	6m TUBULAR GALVANISED STEEL LIGHTING COLUMN AS PER BS EN40 AND ECC HIGHWAYS STREET LIGHTING SPECIFICATION (APPENDIX 13/1) - INACCESSIBLE UNITS TO BE RAISE AND LOWER
LANTERN:	PHILIPS LUMA FINISHED RAL7035
LIGHT SOURCE:	20 LED 3000K WARM WHITE
OUTPUT:	5.20klm
OPTIC:	DW52
LANTERN MOUNTING:	POST TOP
LANTERN INCLINATION:	0°
CONTROL GEAR REF:	LED DRIVER AS PER ECC SPECIFICATION
ISOLATOR:	DOUBLE POLE 25A ISOLATOR AS PER ECC HIGHWAYS STREET LIGHTING SPECIFICATION
SWITCHING:	7 PIN NEMA SOCKET WITH TELENSA 5 PIN TELECELL REF: T21EN-G-3 REFER TO TELENSA NOTES BELOW FOR DETAILS REGARDING TELENSA ID LABELS.
SUPPLY:	TBC

L# — 5

PROPOSED COLUMN AND LANTERN - SPEC TBC AT DETAILED DESIGN STAGE:

COLUMN:	6m TUBULAR GALVANISED STEEL LIGHTING COLUMN AS PER BS EN40 AND ECC HIGHWAYS STREET LIGHTING SPECIFICATION (APPENDIX 13/1)
LANTERN:	PHILIPS LUMA FINISHED RAL7035
LIGHT SOURCE:	2 LED 3000K WARM WHITE
OUTPUT:	2.60klm
OPTIC:	DM10 BL1 (BACK LIGHT SHIELDING)
LANTERN MOUNTING:	POST TOP
LANTERN INCLINATION:	0°
CONTROL GEAR REF:	LED DRIVER AS PER ECC SPECIFICATION
ISOLATOR:	DOUBLE POLE 25A ISOLATOR AS PER ECC HIGHWAYS STREET LIGHTING SPECIFICATION
SWITCHING:	7 PIN NEMA SOCKET WITH TELENSA 5 PIN TELECELL REF: T21EN-G-3 REFER TO TELENSA NOTES BELOW FOR DETAILS REGARDING TELENSA ID LABELS.
SUPPLY:	TBC

L# — 1

PROPOSED COLUMN AND LANTERN - SPEC TBC AT DETAILED DESIGN STAGE:

COLUMN:	6m TUBULAR GALVANISED STEEL RAISE AND LOWER LIGHTING COLUMN AS PER BS EN40 AND ECC HIGHWAYS STREET LIGHTING SPECIFICATION (APPENDIX 13/1)
LANTERN:	PHILIPS LUMA FINISHED RAL7035
LIGHT SOURCE:	20 LED 3000K WARM WHITE
OUTPUT:	5.20klm
OPTIC:	DW50 BL2 (BACK LIGHT SHIELDING)
LANTERN MOUNTING:	POST TOP
LANTERN INCLINATION:	0°
CONTROL GEAR REF:	LED DRIVER AS PER ECC SPECIFICATION
ISOLATOR:	DOUBLE POLE 25A ISOLATOR AS PER ECC HIGHWAYS STREET LIGHTING SPECIFICATION
SWITCHING:	7 PIN NEMA SOCKET WITH TELENSA 5 PIN TELECELL REF: T21EN-G-3 REFER TO TELENSA NOTES BELOW FOR DETAILS REGARDING TELENSA ID LABELS.
SUPPLY:	TBC

LIGHTING CALCULATION DETAILS:

THE PROPOSALS HAVE BEEN DESIGNED TO MEET THE REQUIREMENTS OF THE FOLLOWING TARGET LIGHTING CLASS(ES): C3 (ROUNDABOUT ACCESS), P3 (SPINE ROADS), P4 (ADOPTABLE SIDE STREETS) AND P5 (PRIVATE AREAS) FOLLOWING BS5489-1:2020.

LEVELS ACHIEVED:
REFER TO LIGHTING CALCULATION REPORTS.

LUX CONTOUR LINES - SET AT 'DAY 1' VALUES:

SYMBOL	DESCRIPTION
	0.60 LUX CONTOUR LINE
	1.00 LUX CONTOUR LINE
	1.50 LUX CONTOUR LINE

NOTES:
1. DESIGN IS FOR PLANNING PURPOSES ONLY AND NOT FOR CONSTRUCTION.

REV:	DESCRIPTION:	BY:	DATE:
R2	REVISED BASE LAYOUT	PW	16.02.24
R1	REVISED BASE LAYOUT	PW	05.09.23
R0	FIRST ISSUE	PW	24.08.23

STATUS: **PLANNING**

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SITE: **OFFICERS' MEADOW SHENFIELD**

TITLE: **INDICATIVE LIGHTING STRATEGY (PLAN) SHEET 4 OF 4**

SCALE AT A1:	DATE:	DRAWN:	CHECKED:
1:500	24.08.23	PW	LD

PROJECT NO:	DRAWING NO:	REVISION:
WLC654	WLC654-LS-004	R2