



NOTES:

- THE PROPOSALS HAVE BEEN DESIGNED TO MEET THE REQUIREMENTS OF THE FOLLOWING TARGET LIGHTING CLASSES: P4 MAIN ROADS & P5 MINOR ROADS
- THIS DESIGN HAS BEEN PREPARED IN ACCORDANCE WITH HEA/HM54 GUIDANCE NOTE - CDM2015 REGULATIONS, ISSUE 1.1, DATED 09/04/15
- PROCEDURE 3 - DETAILED DESIGN - BASED ON INFORMATION PROVIDED BY THE CLIENT:
- ALL NEW COLUMNS TO BE DNO SERVICED, UNLESS AGREED OTHERWISE IN WRITING.
- THE DESIGN AND INSTALLATION OF LIGHTING AND ELECTRICAL EQUIPMENT MUST FULLY COMPLY WITH WBC LATEST SPECIFICATION.
- ALL APPARATUS TO BE:
 - 1.1. INSTALLED AND TESTED IN COMPLIANCE WITH BS7671 LATEST EDITION.
 - 1.2. NUMBERED / LABELED AS AGREED WITH WBC ENGINEER.
 - 1.3. NEW AT THE TIME OF INSTALLATION AND SUPPORTED BY RELEVANT MANUFACTURERS' GUARANTEES AND DATA SHEETS.
- ALL WORKS SHOULD BE CARRIED OUT BY A SUITABLY QUALIFIED AND COMPETENT PERSONS IN ACCORDANCE WITH BUT NOT LIMITED TO, C39 WORKING IN THE VICINITY OF DNO EQUIPMENT, WORKING AT HEIGHT REGULATIONS, ELECTRICITY AT WORK REGULATIONS, SAFE DIGGING PRACTICES HSG47 AVOIDING DANGER FROM UNDERGROUND SERVICES AND CODE OF PRACTICE FOR ELECTRICAL SAFETY AND HIGHWAY ELECTRICAL OPERATIONS
- IT IS THE RESPONSIBILITY OF THE INSTALLING ORGANISATION TO UNDERTAKE FINAL DUE DILIGENCE AND DETERMINE THE EXACT LOCATION OF ANY STATUTORY UNDERGROUND SERVICES PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION WORKS ON SITE. ANY UTILITIES INDICATED ARE INDICATIVE ONLY.
- CONTRACTORS SHOULD SATISFY THEMSELVES THAT ANY UTILITY DRAWINGS AFFECTING THE SCHEME ARE ACCURATE AND UP TO DATE FROM THE COMMENCEMENT OF CONSTRUCTION WORKS. IN SOME CIRCUMSTANCES, TRAIL HOLES OF A SUITABLE SIZE ARE TO BE DUG BEFORE PLANNED INSTALLATION OF ANY COLUMNS.
- ISO LUX CONTOUR LINES SHOWN ARE INDICATIVE AND DO NOT CONSIDER PROPOSED SHIELDING.
- NO WORKS TO TAKE PLACE PRIOR TO TECHNICAL APPROVAL - ANY WORKS TAKING PLACE BEFORE APPROVAL IS AT THE CONTRACTORS RISK.

LIGHTING NOTES:

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

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

- UNKNOWN UTILITIES MAY BE PRESENT - ANY UTILITIES SHOWN ARE INDICATIVE. CONTRACTOR MUST REFER TO UP TO DATE UTILITY PLANS.
- REFER TO CDM RISK ASSESSMENT.

SYMBOL QUANTITY - #s REFER TO THIS PLAN ONLY

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PROPOSED COLUMN AND LANTERN:

COLUMN: 6m WOKINGHAM BOROUGH COUNCIL SPECIFICATION ALUMINIUM LIGHTING COMPANY CONICAL TAPERED ALUMINIUM COLUMN.
LANTERN: PHILIPS LUMA GEN2 MICRO BGP702
LIGHT SOURCE: 20 LED 3000K WARM WHITE
FLUX: 3.800lm
WATTAGE: 22W
OPTIC: DW50 B.L.
LANTERN MOUNTING: POST TOP - 76MM
LANTERN INCLINATION: 0°
CONTROL GEAR REF: PHILIPS TITANIUM DALI ENABLED DRIVER
ISOLATOR: CHARLES ENDIRECT LS402/SF
SWITCHING: TELENDA 5 PIN NEMA TELECELL WITH INTEGRAL DIMMING MODULE AND GPS POSITIONING
SUPPLY: NEW UNMETERED DNO SUPPLY - GTC
GLARE RATING: G3

PROPOSED COLUMN AND LANTERN:

COLUMN: 6m WOKINGHAM BOROUGH COUNCIL SPECIFICATION ALUMINIUM LIGHTING COMPANY CONICAL TAPERED ALUMINIUM COLUMN.
LANTERN: PHILIPS LUMA GEN2 MICRO BGP702
LIGHT SOURCE: 20 LED 3000K WARM WHITE
FLUX: 5.600lm
WATTAGE: 33W
OPTIC: DW50 B.L.
LANTERN MOUNTING: POST TOP - 76MM
LANTERN INCLINATION: 0°
CONTROL GEAR REF: PHILIPS TITANIUM DALI ENABLED DRIVER - DIMMED VIA TELENDA TO 20% (BSI OUTPUT)
ISOLATOR: CHARLES ENDIRECT LS402/SF
SWITCHING: TELENDA 5 PIN NEMA TELECELL WITH INTEGRAL DIMMING MODULE AND GPS POSITIONING
SUPPLY: NEW UNMETERED DNO SUPPLY - GTC
GLARE RATING: G3

PROPOSED COLUMN AND LANTERN:

COLUMN: 6m WOKINGHAM BOROUGH COUNCIL SPECIFICATION ALUMINIUM LIGHTING COMPANY CONICAL TAPERED ALUMINIUM COLUMN.
LANTERN: PHILIPS LUMA GEN2 MICRO BGP702
LIGHT SOURCE: 10 LED 3000K WARM WHITE
FLUX: 2.400lm
WATTAGE: 14W
OPTIC: DW50 B.L.
LANTERN MOUNTING: POST TOP - 76MM
LANTERN INCLINATION: 0°
CONTROL GEAR REF: PHILIPS TITANIUM DALI ENABLED DRIVER
ISOLATOR: CHARLES ENDIRECT LS402/SF
SWITCHING: TELENDA 5 PIN NEMA TELECELL WITH INTEGRAL DIMMING MODULE AND GPS POSITIONING
SUPPLY: NEW UNMETERED DNO SUPPLY - GTC
GLARE RATING: G3

PROPOSED COLUMN AND LANTERN:

COLUMN: 6m WOKINGHAM BOROUGH COUNCIL SPECIFICATION ALUMINIUM LIGHTING COMPANY CONICAL TAPERED RAISE AND LOWER ALUMINIUM COLUMN.
LANTERN: PHILIPS LUMA GEN2 MICRO BGP702
LIGHT SOURCE: 6 LED 3000K WARM WHITE
FLUX: 0.800lm
WATTAGE: 5W
OPTIC: DW49
LANTERN MOUNTING: POST TOP - 76MM
LANTERN INCLINATION: 0°
CONTROL GEAR REF: PHILIPS TITANIUM DALI ENABLED DRIVER
ISOLATOR: CHARLES ENDIRECT LS402/SF
SWITCHING: TELENDA 5 PIN NEMA TELECELL WITH INTEGRAL DIMMING MODULE AND GPS POSITIONING
SUPPLY: NEW UNMETERED DNO SUPPLY - GTC
GLARE RATING: G3

PROPOSED COLUMN AND LANTERN:

COLUMN: 6m WOKINGHAM BOROUGH COUNCIL SPECIFICATION ALUMINIUM LIGHTING COMPANY CONICAL TAPERED RAISE AND LOWER ALUMINIUM COLUMN.
LANTERN: PHILIPS LUMA GEN2 MICRO BGP702
LIGHT SOURCE: 20 LED 3000K WARM WHITE
FLUX: 3.800lm
WATTAGE: 22W
OPTIC: DW50 B.L.
LANTERN MOUNTING: POST TOP - 76MM
LANTERN INCLINATION: 0°
CONTROL GEAR REF: PHILIPS TITANIUM DALI ENABLED DRIVER
ISOLATOR: CHARLES ENDIRECT LS402/SF
SWITCHING: TELENDA 5 PIN NEMA TELECELL WITH INTEGRAL DIMMING MODULE AND GPS POSITIONING
SUPPLY: NEW UNMETERED DNO SUPPLY - GTC
GLARE RATING: G3

LIGHTING CALCULATION DETAILS:

THE PROPOSALS HAVE BEEN DESIGNED TO MEET THE REQUIREMENTS OF THE FOLLOWING TARGET LIGHTING CLASSES: P4 (MAIN ROAD) & P5 (MINOR ROAD) IN ACCORDANCE WITH BS 5489-1:2020.

LEVELS ACHIEVED:
REFER TO WLC1253-LC-AC-001 LIGHTING CALCULATIONS

LUX CONTOUR LINES:

DESCRIPTION	0.60 LUX CONTOUR LINE	1.00 LUX CONTOUR LINE

LANTERN ORDERS

ALL LANTERNS ORDERED SHALL HAVE CLO (CONSTANT LIGHT OUTPUT) DISABLED

TELENDA TELECELLS:
CONTRACTOR TO PROVIDE DETAILS AND LOCATIONS OF TELECELL ID NUMBERS POST INSTALLATION TO WBC STREET LIGHTING TEAM

NUMBERING:
COLUMN NUMBERING TO BE AGREED WITH WBC AND LABELLED IN ACCORDANCE WITH WBC STREET LIGHTING TEAM'S REQUIREMENTS

R6	CLIENT REVIEW	PW	22.03.26
R4	CLIENT REVIEW	PW	17.03.26
R4	LA REVIEW	PW	20.02.26
R2	AREA IN ABEYANCE - CLIENT REVIEW	PW	20.02.26
R0	FIRST ISSUE	PW	17.12.24

REV: DESCRIPTION: BY: DATE:

STATUS:

FOR APPROVAL

Williams Lighting Consultants Ltd.
 info@wclighting.co.uk
www.wclighting.co.uk
01608 642530

SITE: **FINCHWOOD PHASE 5**

TITLE: **PROPOSED ADOPTABLE LIGHTING LAYOUT 2 OF 2**

SCALE AT A1:	DATE:	DRAWN:	CHECKED:
1:500	17.12.24	LD	PW
PROJECT NO:	DRAWING NO:	REVISION:	
WLC1253	WLC1253-1300-002	R6	