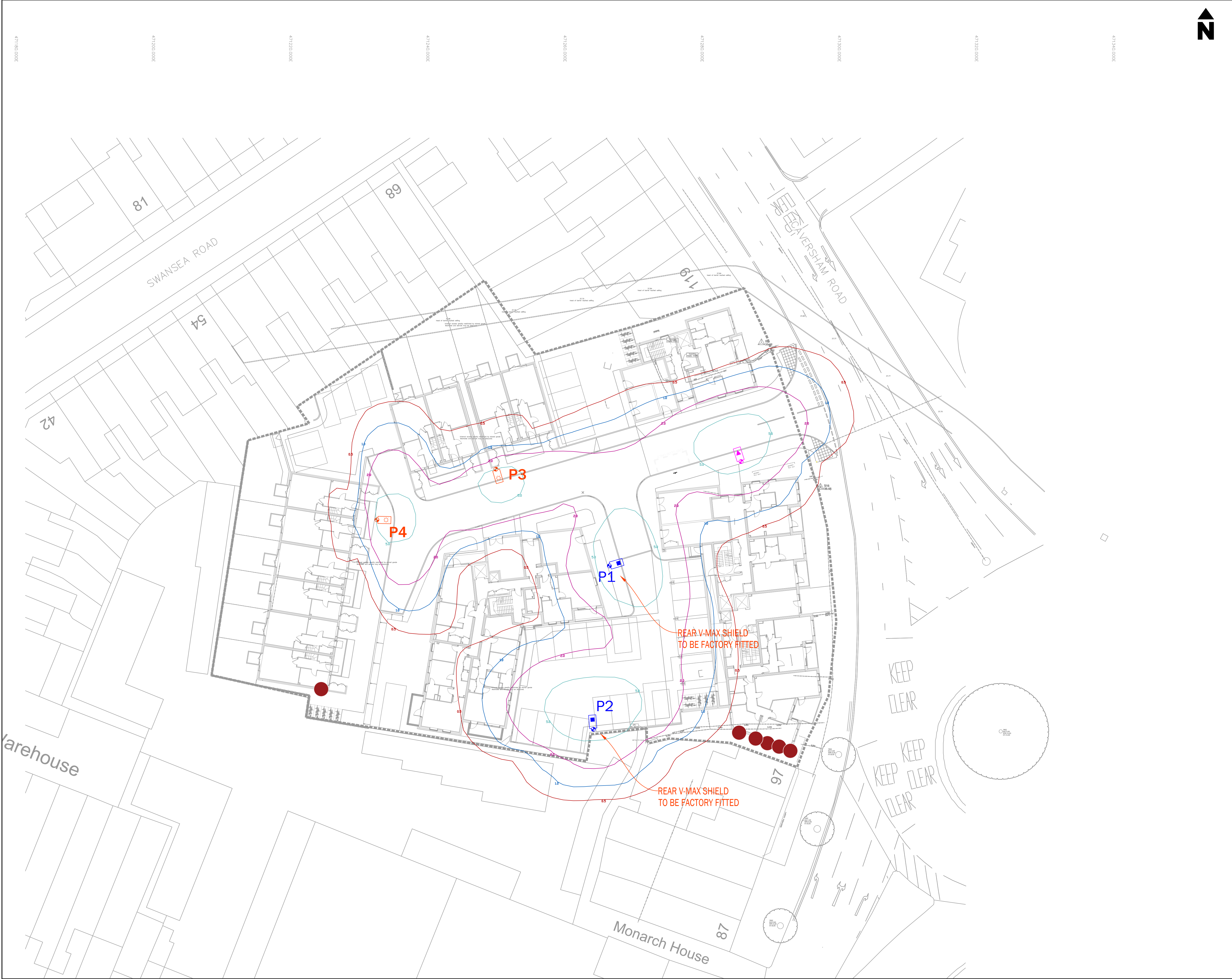




LIGHTING NOTES:

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

SYMBOL QUANTITY

P4 2

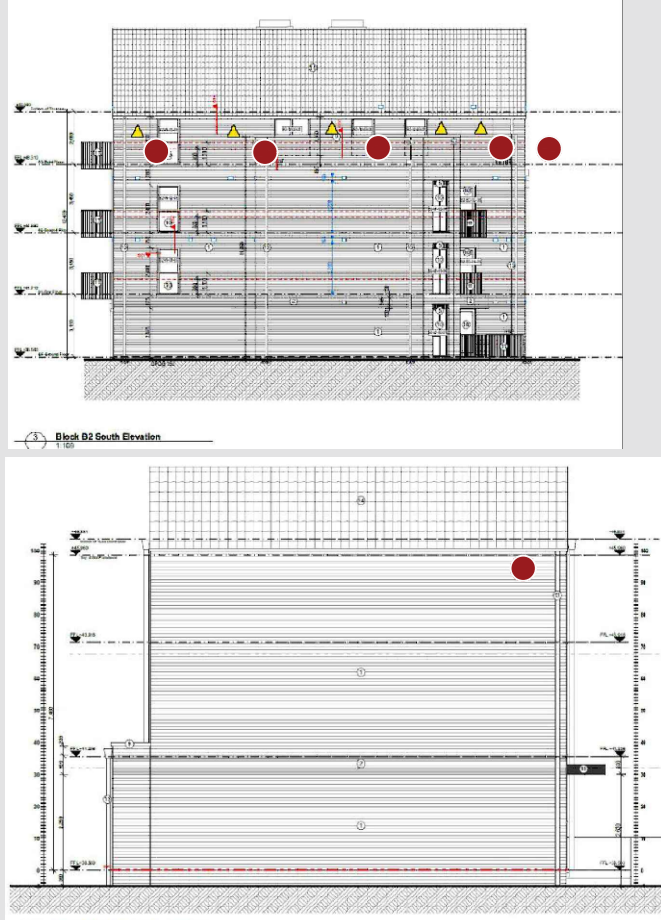
PROPOSED LIGHTING COLUMN AND LANTERN:
COLUMN: 6M TUBULAR GALVANISED STEEL LIGHTING COLUMN AS PER READING BOROUGH COUNCILS SPECIFICATION FOR ROAD LIGHTING AND BS EN40
LANTERN: HOLOPHANE V-MAX (VMX.I.LA022.V1.X2L3.W011)
LIGHT SOURCE: LED 2700K WARM WHITE
FLUX: 1204lm
WATTAGE: 11W
OPTIC: X2L3
LANTERN MOUNTING: POST TOP - 76MM
LANTERN INCLINATION: 0°
CONTROL GEAR REF: LED ELECTRONIC DRIVER DALI ENABLED
ISOLATOR: CHARLES ENGINEER DOUBLE POLE SOLATOR
SWITCHING: 7 PIN NEMA SOCKET WITH ONE PART PHOTOCELL 35/18 LUX ON/OFF
SUPPLY: DEVELOPER TO CONFIRM
GLARE RATING: G3

P1 2

PROPOSED LIGHTING COLUMN AND LANTERN:
COLUMN: 6M TUBULAR GALVANISED STEEL LIGHTING COLUMN AS PER READING BOROUGH COUNCILS SPECIFICATION FOR ROAD LIGHTING AND BS EN40
LANTERN: HOLOPHANE V-MAX (VMX.I.LA032.V1.F4Q1.W022)
LIGHT SOURCE: LED 2700K WARM WHITE
FLUX: 2726lm
WATTAGE: 22W
OPTIC: F4Q1
LANTERN MOUNTING: POST TOP - 76MM
LANTERN INCLINATION: 0°
CONTROL GEAR REF: LED ELECTRONIC DRIVER DALI ENABLED
ISOLATOR: CHARLES ENGINEER DOUBLE POLE SOLATOR
SWITCHING: 7 PIN NEMA SOCKET WITH ONE PART PHOTOCELL 35/18 LUX ON/OFF
SUPPLY: DEVELOPER TO CONFIRM
GLARE RATING: G4

ADJACENT COLUMN:
LIGHTING COLUMN PART OF 838 ADAPTABLE WORKS - REFER TO LATEST ADAPTABLE LIGHTING PACKAGE WL0907-838 FOR FURTHER DETAILS - SHOWN FOR TIE-IN PURPOSES ONLY.

● PROPOSED BAT BOX - MOUNTING DETAIL BELOW:



LIGHTING CALCULATION DETAILS:
THE PROPOSALS HAVE BEEN DESIGNED TO MEET THE REQUIREMENTS OF THE FOLLOWING TARGET LIGHTING CLASSES: P5 FOLLOWING BS5489-1:2020.

LEVELS ACHIEVED:
REFER TO LIGHTING CALCULATION REPORTS.

LUX CONTOUR LINES - CALCULATED AT GROUND LEVEL:

SYMBOL	DESCRIPTION
Red line	0.50 LUX CONTOUR LINE
Blue line	1.00 LUX CONTOUR LINE
Purple line	2.00 LUX CONTOUR LINE
Pink line	5.00 LUX CONTOUR LINE

- LIGHTING NOTES:**
1. THIS DESIGN HAS BEEN PREPARED IN ACCORDANCE WITH HEA+HMSA GUIDANCE NOTE - CDM2019 REGULATIONS, ISSUE 1.1, DATED 09/04/19.
1.1. PROCEDURE 1 - DETAILED DESIGN - BASED ON INFORMATION PROVIDED BY THE CLIENT.
 2. REFER TO DESIGNERS HAZARD ELIMINATION AND MANAGEMENT DOCUMENT (CDM RISK ASSESSMENT).
 3. ALL APPARATUS TO BE:
3.1. INSTALLED AND TESTED IN COMPLIANCE WITH BS7671 LATEST EDITION.
3.2. NUMBERED / LABELED AS AGREED WITH DEVELOPMENT ENGINEER.
3.3. NEW AT THE TIME OF INSTALLATION AND SUPPORTED BY RELEVANT MANUFACTURERS GUARANTEES AND DATA SHEETS.
 4. ALL WORKS SHOULD BE CARRIED OUT BY A SUITABLY QUALIFIED AND COMPETENT PERSONS IN ACCORDANCE WITH BUT NOT LIMITED TO, CD29 WORKING IN THE VICINITY OF DNO EQUIPMENT, WORKING AT HEIGHT REGULATIONS, 'ELECTRICITY AT WORK REGULATIONS', SAFE DIGGING PRACTICES (SS807) AVOIDING DANGER FROM UNDERGROUND SERVICES' AND 'CODE OF PRACTICE FOR ELECTRICAL SAFETY AND HIGHWAY ELECTRICAL OPERATIONS'.
 5. IT IS THE RESPONSIBILITY OF THE INSTALLING ORGANISATION TO UNDERTAKE FINAL DUE DILIGENCE AND DETERMINE THE EXACT LOCATION OF ANY STATUTORY UNDERTAKERS SERVICES PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION WORKS ON SITE. ANY UTILITIES INDICATED ARE INDICATIVE ONLY.
 6. 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 CIRCUMSTANCE, TRIAL HOLES OF A SUITABLE SIZE ARE TO BE DUG BEFORE PLANNED INSTALLATION OF ANY COLUMNS.
 7. ISO-LUX CONTOUR LINES SHOWN ARE INDICATIVE.
 8. CONSTRUCTION SHOULD NOT BE STARTED UNTIL PLANNING PERMISSION HAS BEEN GRANTED. ANY WORKS TAKING PLACE PRIOR TO APPROVAL SHALL BE AT THE DEVELOPERS RISK.

R3	REVISED BAT BOX LOCATIONS	PW	26.03.25
R2	PLANNING PERMITS	PW	17.03.25
R1	CHANGED TO 3000K	PW	17.03.25
RD	FIRST ISSUE	PW	20.09.23
REV:	DESCRIPTION:	BY:	DATE:

STATUS:

FOR APPROVAL

Williams Lighting Consultants Ltd.



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www.wlighting.co.uk
01608 642530

SITE: CARTER'S SITE
READING

TITLE: PROPOSED PRIVATE
LIGHTING LAYOUT

SCALE AT A1:	DATE:	DRAWN:	CHECKED:
1:250	20.09.23	PW	LD
PROJECT NO:	DRAWING NO:	REVISION:	
WLC907-PRV	WLC907-PRV-1300-001		R3