



LEGEND

- ☐ LIGHT SWITCH ('O' DENOTES OVERRIDE)
- ☑ SECRET KEY TEST SWITCH
- ☐ TIMECLOCK
- ☉ PHOTOCELL
- ⚡ SWITCHED FUSED CONNECTION UNIT
- △ RJ45 DATA OUTLET
- ▬ DISTRIBUTION BOARD

REFER TO LUMINAIRE SCHEDULE FOR LUMINAIRE REFERENCE DETAILS

This drawing is for engineering services only and is to be used in conjunction with relevant architectural, structural, plumbing and building services drawings and the contract specification.

THIS IS NOT AN INSTALLATION DRAWING.

All service routes and equipment locations are indicative, actual location to be determined from site dimensions.

To whom they concern. The requirements of the Health & Safety at Work Act 1974 & subsequent amendments thereto are brought to the attention of all those who design, install or maintain the plant or equipment shown on these drawings or who are required to enter the areas shown on these drawings.

DO NOT SCALE FROM THIS DRAWING.

### GENERAL NOTES

- THIS DRAWING IS INDICATIVE OF THE SITE SITUATION ON 10/02/24. ANY SUBSEQUENT CHANGES WILL NOT BE ILLUSTRATED ON THIS DRAWING.
- REFER TO DRAWING NCWC-WBS-ZZ-XX-DR-E-63100 FOR LIGHTING CONTROL ZONES.
- IT IS ESSENTIAL THAT THE CONTRACTOR VISITS SITE WITHIN THE TENDER PERIOD TO FAMILIARISE THEMSELVES WITH THE SITE. THE MAIN BUILDING IS GRADE 1 LISTED AND THE INSTALLATION SHALL BE REVERSIBLE.
- EXISTING CIRCUITS BEING AMENDED IN ZONES THAT ARE TO UTILISE WIRELESS CONTROLS SHALL HAVE THE EXISTING CONTROLS (PHOTOCELL, CELLS AND TIMELOCKS ETC) REMOVED BY THE CONTRACTOR, WITH THE CIRCUIT MADE GOOD AND REWired.
- ALL EXISTING CIRCUITS SHALL BE TESTED BY THE CONTRACTOR PRIOR TO BEING AMENDED, WITH ANY NON-COMPLIANCE BEING HIGHLIGHTED TO THE CONTRACTOR. THE CONTRACTOR SHALL AMEND THE CIRCUITS, RETESTING CIRCUITS TO ENSURE COMPLIANCE WITH BS7911.
- THE CONTRACTOR SHALL ALLOW FOR ALL APPROPRIATE ACCESS EQUIPMENT, BEING COORDINATE OF THE RE-HEADING OF COLUMNS AND THE MOUNTING OF LUMINAIRES AT HIGH LEVEL ON THE MAIN HOUSE.
- THE CONTRACTOR SHALL BE COORDINATE THAT THE MAIN HOUSE IS GRADE-1 LISTED.
- REFER TO THE LUMINAIRE SCHEDULE FOR LUMINAIRE DETAILS.
- SUFFIX 'X' INDICATES THAT A LUMINAIRE IS REPLACING AN EXISTING LUMINAIRE.
- SUFFIX 'N' INDICATES THAT A NEW LUMINAIRE IN A NEW POSITION IS BEING INSTALLED.
- SUFFIX 'EM' INDICATES THAT THE LUMINAIRE IS A SELF-CONTAINED EMERGENCY VERSION.
- THE CLIENT'S IT TEAM IS TO PROVIDE AN RJ45 DATA OUTLET ADJACENT TO EACH LIGHTING CONTROL 'COLLATOR' POSITION, WITH THE EXCEPTION OF THE CAR PARK FEEDER PILLAR, WHERE THE CONTRACTOR SHALL INSTALL TWO 100MM PVC DUCTS AND A PRE-TERMINATED OM4 FIBRE OPTIC CABLE FROM WENTWORTH COURT TO THE CAR PARK FEEDER PILLAR FOR A COLLATOR CONNECTION AND FUTURE CCTV.
- THE CONTRACTOR SHALL SUPPLY AND INSTALL NEW POWER SUPPLIES TO EACH LIGHTING CONTROL 'COLLATOR' FROM THE RESPECTIVE LOCAL DISTRIBUTION BOARD / FEEDER PILLAR, AS INDICATED ON THE DRAWING. THE POWER SUPPLY SHALL BE COMPLIANT WITH BS7911. A POWER SUPPLY FOR A FIBRE OPTIC TO COPPER CONVERTER SHALL ALSO BE SUPPLIED AND INSTALLED IN THE CAR PARK FEEDER PILLAR.
- THE CONTRACTOR SHALL PRODUCE A PROGRAMME OF WORKS AT LEAST 15 WORKING DAYS PRIOR TO STARTING ON SITE AND SHALL URGE WITH THE CLIENT TO ENSURE MINIMAL DISRUPTION TO THE COLLEGE.
- THE CONTRACTOR SHALL EMPLOY A CIVIL ENGINEERING SPECIALIST TO UNDERTAKE ANY GROUNDWORKS REQUIRED ON THE PROJECT.
- EMERGENCY BULKHEADS LOCATED EXTERNALLY TO FINAL EXITS SHALL BE CONTROLLED VIA TIMELOCK AND PHOTOCELL, ILLUMINATING IN EMERGENCY MODE ONLY ON MAINS FAILURE.
- THE CONTRACTOR SHALL ENSURE THAT THE LIGHTING CONTROL SYSTEM IS COMMISSIONED TO THE CLIENT'S REQUIREMENTS AND THE CLIENT IS FULLY TRAINED ON THE CONTROL SYSTEM'S ONLINE APPLICATION.
- THE EMERGENCY LIGHTING SELF-TEST SYSTEM SHALL BE INCORPORATED IN THE WIRELESS CONTROL SYSTEM AND ALLOW THE CLIENT TO UNDERTAKE MONTHLY FUNCTION TESTS AND ANNUAL DURATION TESTS. THE SYSTEM SHALL REPORT ANY INDIVIDUAL LUMINAIRE FAILS VIA THE ONLINE APPLICATION, IN-LINE WITH BS5586-1:2018. EMERGENCY LIGHTING LUMINAIRES NOT INSTALLED ON THE WIRELESS CONTROL SYSTEM SHALL BE THE SELF-TEST, ONWARD LED VERSION OF THE RESPECTIVE LUMINAIRE.
- THE CONTRACTOR SHALL SUPPLY AND INSTALL A PRE-TERMINATED OM4 FIBRE OPTIC CABLE BETWEEN THE COMING CABINET LOCATED ON THE FIRST FLOOR OF WENTWORTH COURT AND THE CAR PARK FEEDER PILLAR. CONNECTION, TESTING AND COMMISSIONING SHALL BE UNDERTAKEN BY THE CLIENT'S IT DEPARTMENT.
- THE CONTRACTOR SHALL CO-ORDINATE THE MOUNTING OF NEW COLUMN HEADS ON EXISTING COLUMNS AND SUPPLY AND INSTALL ANY BRACKETS, CLAMPS, FUNDS OR FASTENERS REQUIRED TO ENSURE A SAFE, FULLY FUNCTIONAL SOLUTION.
- REFER TO WILKINSON HILL ECOLOGY CONSULTING LETTER DATED 01/08/25 FOR DETAILS OF THE ECOLOGY SURVEY AND PROSPECTIVE PLANNING APPLICATION AND LIGHTING ILLUMINATION TIMES/ CONTROLS.
- WHERE EMERGENCY LUMINAIRE'S STATUS LED IS NOT EASILY VISIBLE, A SECRET KEY TEST SWITCH SHALL BE INSTALLED ON THAT CIRCUIT.

Rev	Date	Description	By
PO4	20.10.24	AMENDED TO SUIT PLANNING CONSENT CONDITIONS	JK
PO3	20.08.24	ISSUED FOR TENDER	JK
PO2	15.07.24	ISSUED FOR INFORMATION	JK
PO1	11.07.24	ISSUED FOR INFORMATION	JK

Project: WENTWORTH CASTLE

Title: ELECTRICAL SERVICES SITE PLAN EXTERNAL SERVICES LAYOUT

Client: NORTHERN COLLEGE

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TENDER

Designed by: JK Checked by: MP Project No: BSD15230

Drawn by: K Date: JULY 2024

Scale: 1:500

NCWC-WBS-ZZ-XX-DR-E-63100 PO4