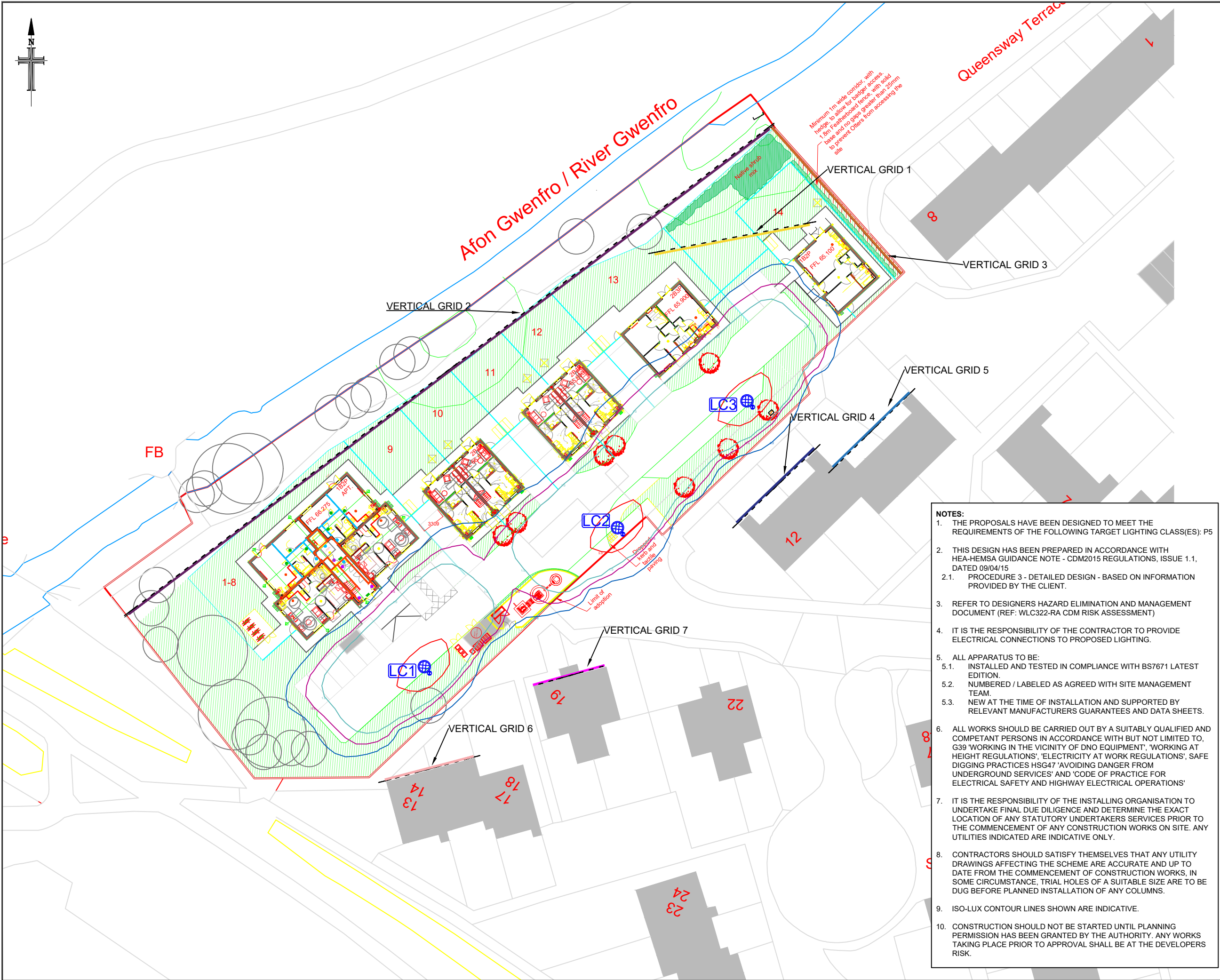




Notes:

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 WLC322-RA CDM RISK ASSESSMENT.

SYMBOL QUANTITY
3

PROPOSED COLUMN AND LANTERN:
COLUMN: 5m TUBULAR GALVANISED STEEL LIGHTING COLUMN WITH GLASS FLAKE ROOT PROTECTION FOR ROAD LIGHTING IN ACCORDANCE WITH BS EN40.
LANTERN: URBIS AXIA 2.1 BACK LOUVRE
LIGHT SOURCE: 8 LED WARM WHITE 3000K 690mA
FLUX: 1.47klm
OPTIC: 5241
LANTERN MOUNTING: POST TOP - 76MM
LANTERN INCLINATION: 0°
CONTROL GEAR REF: PHILIPS XITANIUM DRIVER
ISOLATOR: CHARLES ENDIRECT DOUBLE POLE ISOLATOR
SWITCHING: 7 PIN NEMA SOCKET WITH ONE PART PHOTOCELL SET AT 35 LUX AND PROVIDE A NEGATIVE DIFFERENTIAL SWITCH 'ON/OFF' RATIO OF 1.0 TO 0.5
SUPPLY: TO BE CONFIRMED BY CONTRACTOR
GLARE RATING: G3

LIGHTING CALCULATION DETAILS: REFER TO WLC322-LC-AC CALCULATION REPORT FOR FURTHER DETAILS.	
SYMBOL	DESCRIPTION
	VERTICAL GRID 1
	VERTICAL GRID 2
	VERTICAL GRID 3
	VERTICAL GRID 4
	VERTICAL GRID 5
	VERTICAL GRID 6
	VERTICAL GRID 7
LUX CONTOUR LINES:	
SYMBOL	DESCRIPTION
	5 LUX CONTOUR LINE
	1 LUX CONTOUR LINE
	0.5 LUX CONTOUR LINE
	0.2 LUX CONTOUR LINE

- NOTES:**
1. THE PROPOSALS HAVE BEEN DESIGNED TO MEET THE REQUIREMENTS OF THE FOLLOWING TARGET LIGHTING CLASS(ES): P5
 2. THIS DESIGN HAS BEEN PREPARED IN ACCORDANCE WITH HEA-HEMSA GUIDANCE NOTE - CDM2015 REGULATIONS, ISSUE 1.1, DATED 09/04/15
 - 2.1. PROCEDURE 3 - DETAILED DESIGN - BASED ON INFORMATION PROVIDED BY THE CLIENT.
 3. REFER TO DESIGNERS HAZARD ELIMINATION AND MANAGEMENT DOCUMENT (REF: WLC322-RA CDM RISK ASSESSMENT)
 4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ELECTRICAL CONNECTIONS TO PROPOSED LIGHTING.
 5. ALL APPARATUS TO BE:
 - 5.1. INSTALLED AND TESTED IN COMPLIANCE WITH BS7671 LATEST EDITION.
 - 5.2. NUMBERED / LABELED AS AGREED WITH SITE MANAGEMENT TEAM.
 - 5.3. NEW AT THE TIME OF INSTALLATION AND SUPPORTED BY RELEVANT MANUFACTURERS GUARANTEES AND DATA SHEETS.
 6. ALL WORKS SHOULD BE CARRIED OUT BY A SUITABLY QUALIFIED AND COMPETANT PERSONS IN ACCORDANCE WITH BUT NOT LIMITED TO, G39 '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'
 7. 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.
 8. 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.
 9. ISO-LUX CONTOUR LINES SHOWN ARE INDICATIVE.
 10. CONSTRUCTION SHOULD NOT BE STARTED UNTIL PLANNING PERMISSION HAS BEEN GRANTED BY THE AUTHORITY. ANY WORKS TAKING PLACE PRIOR TO APPROVAL SHALL BE AT THE DEVELOPERS RISK.

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WLC

CLIENT:
ABBIE MECHANICAL & ELECTRICAL
UNIT 17
CHAPEL BROOK, TRADE PARK
WILSON RD., LIVERPOOL, L36 6FH

SITE:
NANT SILYN
WREXHAM

TITLE:
PROPOSED EXTERIOR
LIGHTING DETAILS

SCALE AT A3: 1:500	DATE: 26/02/20	DRAWN: PW	CHECKED: LD
PROJECT NO: WLC322	DRAWING NO: WLC322-1300-001	REVISION:	-