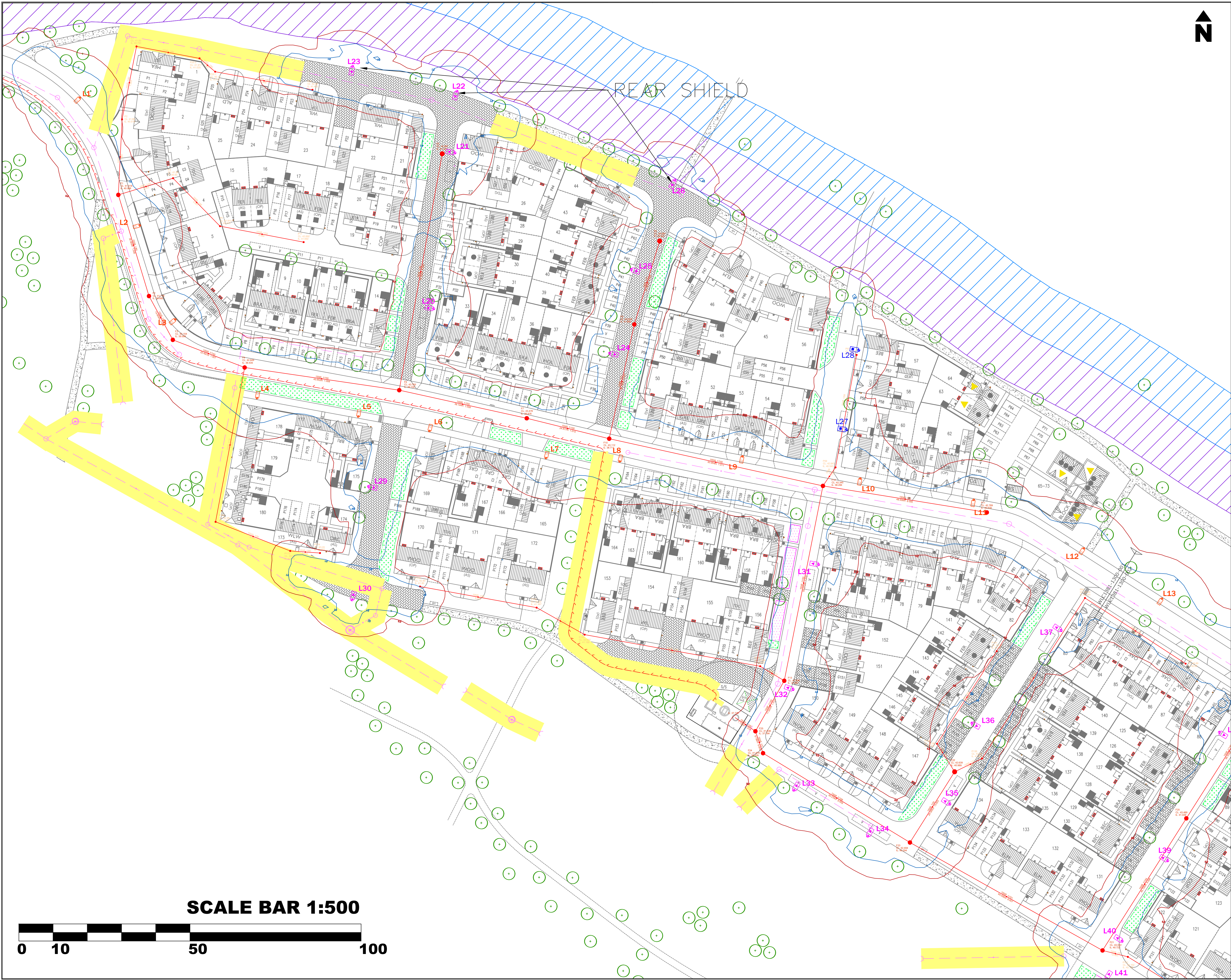
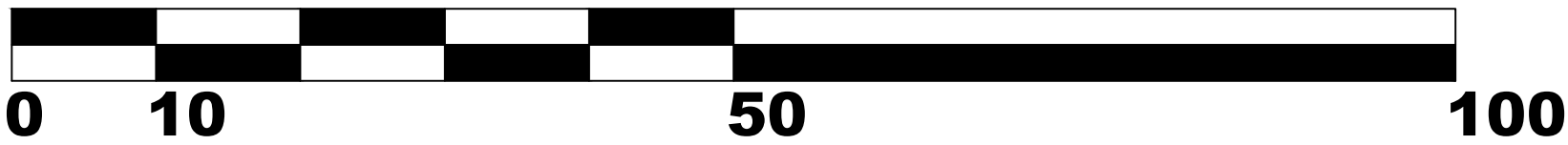




SCALE BAR 1:500



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 #s REFER TO ALL SHEETS

L1 19

PROPOSED 6m GALVANISED STEEL STEPPED "STANDARD DUTY" COLUMN WITH POST TOP MOUNTED AT 7' URBIS AXIA 3.1 16 LED WARM WHITE LANTERN TO BE FITTED WITH DALI DIMMING AND CMS COMPATIBLE LED DRIVER AND PHOTOCELL. LANTERN SHALL DIM TO 75% OUTPUT BETWEEN 20:00 TO 23:00HRS AND 50% OUTPUT BETWEEN 23:00 TO 06:00HRS.

COLUMN REF: 6m STANDARD - CU PHOSCO - FR2506T01

LANTERN REF: URBIS AXIA 3.1 / C3.5 / 3.50m / 16 LED / WARM WHITE / 2700K / 0° TILT

CONTROL GEAR REF: DALI DIMMING AND CMS COMPATIBLE

PHOTOCELL REF: LUCY ZODIAC S88 1-PART 3-PIN PHOTOCELL WITH SWITCHING RATIO OF 35/18 LUX MOUNTED ON 7-PIN NEMA SOCKET

DIMMING REGIME: 75% - 20:00HRS TO 23:00HRS AND 50% - 23:00HRS TO 06:00HRS

SWITCH REGIME: 35/18

ISOLATOR REF: (SINGLE) LUCY LIGHTING TR1-PP20-EB2-LD06-06

INTERNAL WIRING: 2.5MM² TWIN AND EARTH

SERVICE CONNECTION: TBC BY DEVELOPER

L2 2

PROPOSED 6m GALVANISED STEEL STEPPED "STANDARD DUTY" COLUMN WITH POST TOP MOUNTED AT 7' URBIS AXIA 3.1 16 LED WARM WHITE LANTERN TO BE FITTED WITH DALI DIMMING AND CMS COMPATIBLE LED DRIVER AND PHOTOCELL. LANTERN SHALL DIM TO 75% OUTPUT BETWEEN 20:00 TO 23:00HRS AND 50% OUTPUT BETWEEN 23:00 TO 06:00HRS.

COLUMN REF: 6m STANDARD - CU PHOSCO - FR2506T01

LANTERN REF: URBIS AXIA 3.1 / B1.0 / 1.08m / 8 LED / WARM WHITE / 2700K / 0° TILT

CONTROL GEAR REF: DALI DIMMING AND CMS COMPATIBLE

PHOTOCELL REF: LUCY ZODIAC S88 1-PART 3-PIN PHOTOCELL WITH SWITCHING RATIO OF 35/18 LUX MOUNTED ON 7-PIN NEMA SOCKET

DIMMING REGIME: 75% - 20:00HRS TO 23:00HRS AND 50% - 23:00HRS TO 06:00HRS

SWITCH REGIME: 35/18

ISOLATOR REF: (SINGLE) LUCY LIGHTING TR1-PP20-EB2-LD06-06

INTERNAL WIRING: 2.5MM² TWIN AND EARTH

SERVICE CONNECTION: TBC BY DEVELOPER

L3 24

PROPOSED 6m GALVANISED STEEL STEPPED "STANDARD DUTY" COLUMN WITH POST TOP MOUNTED AT 7' URBIS AXIA 3.1 16 LED WARM WHITE LANTERN TO BE FITTED WITH DALI DIMMING AND CMS COMPATIBLE LED DRIVER AND PHOTOCELL. LANTERN SHALL DIM TO 75% OUTPUT BETWEEN 20:00 TO 23:00HRS AND 50% OUTPUT BETWEEN 23:00 TO 06:00HRS.

COLUMN REF: 6m STANDARD - CU PHOSCO - FR2506T01

LANTERN REF: URBIS AXIA 3.1 / S266 / 1.57m / 8 LED / WARM WHITE / 2700K / 0° TILT

CONTROL GEAR REF: DALI DIMMING AND CMS COMPATIBLE

PHOTOCELL REF: LUCY ZODIAC S88 1-PART 3-PIN PHOTOCELL WITH SWITCHING RATIO OF 35/18 LUX MOUNTED ON 7-PIN NEMA SOCKET

DIMMING REGIME: 75% - 20:00HRS TO 23:00HRS AND 50% - 23:00HRS TO 06:00HRS

SWITCH REGIME: 35/18

ISOLATOR REF: (SINGLE) LUCY LIGHTING TR1-PP20-EB2-LD06-06

INTERNAL WIRING: 2.5MM² TWIN AND EARTH

SERVICE CONNECTION: TBC BY DEVELOPER

TABLE B: DIMMING REGIMES (D19)

TIME	OUTPUT
DUSK TO 20:00	100%
20:00 TO 23:00	75%
23:00 TO 06:00	50%
06:00 TO DAWN	100%

LIGHTING CALCULATION DETAILS:

THE PROPOSALS HAVE BEEN DESIGNED TO MEET THE REQUIREMENTS OF THE FOLLOWING TARGET LIGHTING CLASSES:

P4 (SPINE RD) & P5 (SIDE ROADS)

CONTOUR LINES: 0.20 LUX CONTOUR

1.00 LUX CONTOUR

NOTES:

1. THIS DESIGN HAS BEEN PREPARED IN ACCORDANCE WITH HEA/HMSA GUIDANCE NOTE - CDM016 REGULATIONS, ISSUE 1.1, DATED 09/04/15

1.1. PROCEDURE 3 - 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, GS9 WORKING IN THE VICINITY OF AND 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.

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.

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