



| DISCIPLINE | ASSIGNED | STATUS | CHK | DATE |
|-----------------------|----------|--------|-----|------|
| WATES (FINAL REVIEW) | A | B | C | |
| CLIENT | A | B | C | |
| ARCHITECT | A | B | C | |
| STRUCTURAL CONSULTANT | A | B | C | |
| SERVICES CONSULTANT | A | B | C | |
| OTHER 1 | A | B | C | |
| OTHER 2 | A | B | C | |
| OTHER 3 | A | B | C | |

- GENERAL NOTES**
- NOTES:**
- EXTERIOR CABLES / DUCTS TO BE LAID AT A MINIMUM DEPTH OF 450mm IN SOFT/DIG / FOOTPATHS AND 650mm MINIMUM DEPTH WITHIN CARPARK / ROADWAY AREAS. DUCTS TO BE COMPLETE WITH DRAW ROPES.
 - THE CAR PARK LIGHTING COLUMNS SHALL BE MOUNTED IN THE POSITIONS SHOWN 'IN LINE' WITH THE CAR PARK DIVISION LINES' AND SHALL BE POSITIONED SUCH THAT THE ACCESS DOOR FACES THE CAR PARK KERB.
 - WHERE POSSIBLE THE LIGHTING COLUMNS SHALL BE SET BACK A DISTANCE OF 1.5m FROM THE KERB LINE. THE MINIMUM RECOMMENDED DISTANCE FROM THE KERB LINE IS 500mm. IF THE MINIMUM GAP CANNOT BE MAINTAINED THE MAIN CONTRACTOR / GROUND WORKER SHALL PRIOR TO SETTING OUT/INSTALLATION, OBTAIN CLARIFICATION OF THE POSITIONS FROM THE ENGINEERS / ARCHITECT.
 - DRAW IN FITS SHALL BE PROVIDED IN ACCORDANCE WITH THE FOLLOWING:
 - AT EACH SIGNIFICANT CHANGE OF DIRECTION.
 - AT INTERVALS NOT EXCEEDING 20m IN STRAIGHT RUNS.
 - AT EACH CHANGE IN DEPTH I.E. EACH SIDE OF ROAD CROSSINGS.
 - WHERE OTHERWISE REQUIRED TO FACILITATE DRAWING IN.
 - BUILDING MOUNTED LIGHTING CONTROLLED VIA PHOTOCELL & TIMELOCK.

| | | | |
|------|----------|-----------------------------------|-----|
| P03 | 24.05.22 | UPDATED TO SUIT LATEST BACKGROUND | DB |
| P02 | 26.04.22 | MUGA LIGHTING REMOVED | DB |
| P01 | 25.02.22 | RIBA STAGE 2 | DB |
| Rev. | Date | Description (Purpose of Issue) | CHK |

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YSGOL PLAS BRONDYFFRYN SEN SCHOOL

Drawing Title:
ELECTRICAL ENGINEERING SERVICES
EXTERNAL LIGHTING ILLUMINANCE PLOT
RIBA STAGE 2

| | | | |
|---------------------------------------|---|------------------|--------------------|
| Date of Issue: 24.05.22 | Scale @ A1: NTS @ A1 | DRW: JO | CHK: DB |
| Filename: YPB-WGC-ZZ-EX-DR-E-20000 | Suitability: ISSUED FOR STAGE APPROVAL | Revision: P03 | Suitability: S4 |
| Proj: YPB | Orig: WGC | Zone: ZZ | Volume: EX |
| Doc. Type: DR | Level: E | Series: 20000 | |

| Symbol | Label | Quantity | Catalog Number | Description | Lamp | Lumens Per Luminaire | Wattage |
|--------|-------|----------|-------------------------|---|-----------|----------------------|---------|
| | X1 | 12 | DWL 1 LA053 NR W007 | Denver ID Wall c/w 900 Lm output and NR Wide Spacing Optic. Wall Mounted on 3m AUL. | LED 3000K | 854 | 6.5 |
| | X1/Em | 20 | DWL 1 LA053 NR W007 EMD | Denver ID Wall c/w 900 Lm output and NR Wide Spacing Optic. Wall Mounted on 3m AUL. | LED 3000K | 854 | 6.5 |
| | X2 | 3 | DWL 1 LA053 FW W007 | Denver ID Wall c/w 900 Lm output and FW Forward Three Optic. Wall Mounted on 3m AUL. | LED 3000K | 848 | 6.5 |
| | X2/Em | 4 | DWL 1 LA053 FW W007 EMD | Denver ID Wall c/w 900 Lm output and FW Forward Three Optic. Wall Mounted on 3m AUL. | LED 3000K | 848 | 6.5 |
| | X3 | 12 | DPL 1 LA053 AY W038 | Denver ID Pole c/w 5000 Lm output and AY Asymmetric optic on 3m Column. | LED 3000K | 8003 | 38 |
| | X3-Tw | 4 | DPL 1 LA053 AY W038 | 2 x Denver ID Pole c/w 5000 Lm output and AY Asymmetric optic on 3m Column. | LED 3000K | 8003 | 76 |
| | X4 | 4 | DPL 1 LA053 FW W038 | Denver ID Pole c/w 5000 Lm output and FW Forward Three optic on 3m Column. | LED 3000K | 8207 | 38 |
| | X6 | 28 | FBI4D ASR 852318 | ASTER Medium Basic IP65 recessed under canopy downlight c/w wide spread optic. Assumed height 3m AUL. | LED 3000K | 1065 | 14 |
| | X7 | 4 | DPL 1 LA053 BY W048 | Denver ID Pole c/w 6000 Lm output and BY Symmetric optic on 3m Column. | LED 3000K | 8006 | 48 |

| Description | Symbol | Avg | Min | Min/Avg |
|--|--------|--------|--------|---------|
| Building Surround / Security 10 Lux Ave / 0.25 | + | 14 lux | 4 lux | 0.29 |
| Cafe Seating Area | + | 18 lux | 10 lux | 0.56 |
| Cafe Seating Area 10 Lux Ave / 0.25 | + | 18 lux | 7 lux | 0.44 |
| Car Park 10 Lux Ave / 0.25 | + | 13 lux | 6 lux | 0.46 |
| Drop Off Area | + | 12 lux | 6 lux | 0.42 |
| Sample Entrance | + | 16 lux | 10 lux | 0.67 |
| Sign Light | + | 0 lux | 0 lux | N/A |
| Under Canopy 50 Lux Ave | + | 57 lux | 13 lux | 0.23 |
| Bin Store | + | 23 lux | 11 lux | 0.48 |
| Main Ent Pedestrian Area | + | 14 lux | 8 lux | 0.43 |
| Mini Bus Parking 10 Lux Ave / 0.25 | + | 18 lux | 9 lux | 0.50 |
| Path from Cycle Shelter | + | 15 lux | 7 lux | 0.47 |