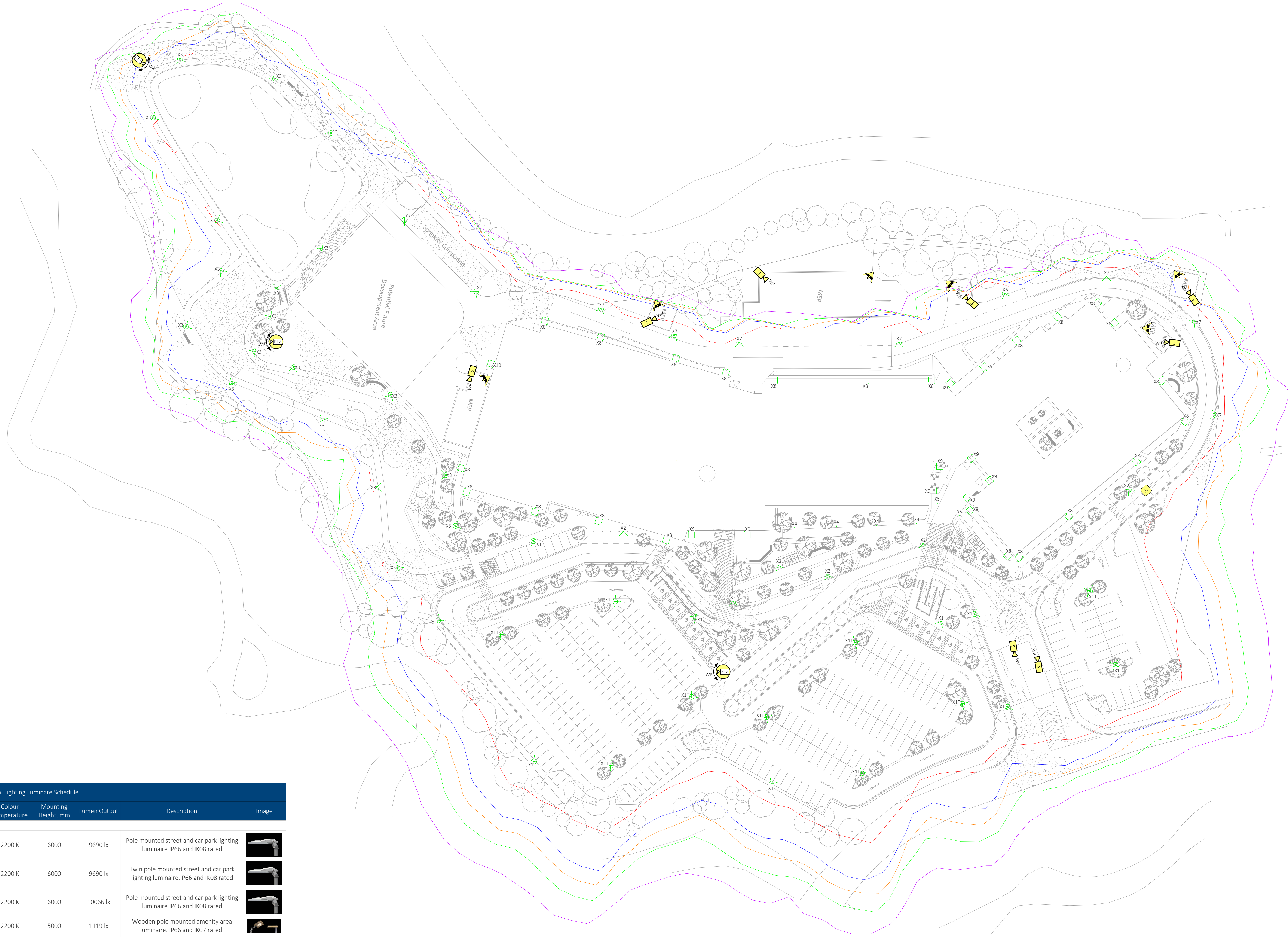

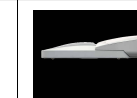
















Discipline	Model Reference	Revision	Date Frozen
Architect	155750-STL-01-ZZ-M3-A-M0001	P22	28-02-2025
Architect	155750-STL-02-ZZ-M3-A-M0002	P22	28-02-2025
Architect	155750-STL-03-ZZ-M3-A-M0003	P22	06-03-2025
Structural	W550-HYD-01-XX-M3-S-0001	P02	11-03-2025
Structural	W550-HYD-02-XX-M3-S-0001	P02	11-03-2025
Structural	W550-HYD-03-XX-M3-S-0001	P02	11-03-2025







E - External Lighting Luminaire Schedule									
Luminaire Reference	Manufacturer	Mounting Type	Model	Power	Colour Temperature	Mounting Height, mm	Lumen Output	Description	Image
X1	TRT Lighting	Pole Mounted	Optio Midi	79 W	2200 K	6000	9690 lx	Pole mounted street and car park lighting luminaire.IP66 and IK08 rated	
X1T	TRT Lighting	Pole Mounted	Optio Midi	158 W	2200 K	6000	9690 lx	Twin pole mounted street and car park lighting luminaire.IP66 and IK08 rated	
X2	TRT Lighting	Pole Mounted	Optio Midi	79 W	2200 K	6000	10066 lx	Pole mounted street and car park lighting luminaire.IP66 and IK08 rated	
X3	TRT Lighting	Pole Mounted	Oaken	8 W	2200 K	5000	1119 lx	Wooden pole mounted amenity area luminaire. IP66 and IK07 rated.	
X4	TRT Lighting	Root Mounted	Via	10 W	2200 K	1000	434 lx	1133mm Root Mounted bollard rated at IP66 and IK30	
X5	TRT Lighting	Root Mounted	Via	9 W	2200 K	1000	434 lx	1133mm Root Mounted bollard rated at IP66 and IK30	
X6	TRT Lighting	Pole Mounted	Optio Midi	42 W	2200 K	6000	4688 lx	Pole mounted street and car park lighting luminaire.IP66 and IK08 rated	
X7	TRT Lighting	Pole Mounted	Optio Midi	42 W	2200 K	6000	4445 lx	Pole mounted street and car park lighting luminaire.IP66 and IK08 rated	
X8	TRT Lighting	Wall	Facet	11 W	2200 K	3000	1175 lx	Wall mounted luminaire rated at IP66 and IK10	
X9	TRT Lighting	Wall	Facet	23 W	2200 K	3000	2300 lx	Wall mounted luminaire rated at IP66 and IK10	
X10	TRT Lighting	Wall	Aspect	110 W	2200 K	3000	13462 lx	Wall mounted floodlight with PIR Control.	

1. All addressees are to be checked on no later than the commencement of works. Any discrepancies are to be reported to the Architect & Engineer for verification. Figure 10.10.1 shows the locations where the checks are to be taken from this drawing.
2. This drawing is to be read in conjunction with all relevant engineering and services engineers' drawings and specifications. This drawing is copyright.
3. Refer to luminaires schedule for details of types of luminaires.
4. All electrical works shall comply with the 18th Edition of the IET Wiring Regulations (BS7671) including all current amendments and guidance notes.
5. This drawing is to refer to the architect and landscape architect for setting out details. No dimensions shall be measured from this drawing.
6. Co-ordination of the services is to be by the contractor. Services shall be installed so that they do not clash with other services and be located so that they are easily accessed.
7. The contractor is to refer to distribution board schedules for cabling details. Lightings Levels to comply with BS1364-2, including all up to date amendments.
8. External Lighting Control via daylight controls, 'on', time 'clock off' with override switch. Daylight control shall be mounted in a suitable location. Time clock and override switch shall be mounted next to the distribution board within the feeder cabinets.
9. The contractor shall install luminaires as per manufacturer's recommendations for ingress protection and mechanical protection.
10. Emergency lighting luminaires to be provided within 2m of final exits.

-  0.1 lux
-  0.25 lux
-  0.5 lux
-  1 lux
-  5 lux

-  External Static CCTV Camera
-  External PTZ CCTV Camera
-  Intercom for out of hours entry
-  Wall Mounted PIR (Passive Infrared Sensor)

Description	Avg	Max	Min	Min/s
Black C-Path	19.16	85.36	5.16	0.0
Front Cross	23.16	101.16	6.16	0.0
Lower Car Park	25.16	77.16	7.16	0.0
Lower Car Park	25.16	12.16	2.16	0.0
Main Entrance	22.16	69.16	6.16	0.0
Medical Care Park	24.16	83.16	6.16	0.0
Pedestrian Path	19.16	71.16	5.16	0.0
Recreation Area	21.16	43.16	3.16	0.0
Sport Light	14.16	63.16	4.16	N
Sungl-Hub Path	14.16	20.16	0.16	0.0
Sungl-Hub Path	14.16	74.16	9.16	0.0
Vertical Calculations	0.216	0.816	0.016	0.0
Vertical Calculations	0.116	0.416	0.016	0.0
Vertical Calculations	0.116	0.916	0.016	0.0
Vertical Calculations	0.416	1.416	0.016	0.0
Vertical Calculations	0.216	0.916	0.016	0.0
Vertical Calculations	0.416	2.416	0.016	0.0
Vertical Calculations	0.116	1.116	0.016	0.0
Vertical Calculations	0.116	0.316	0.016	0.0
Vertical Calculations	0.116	0.216	0.016	N
Vertical Calculations	0.116	0.216	0.016	0.0
Vertical Calculations	0.116	0.516	0.016	0.0
Vertical Calculations	0.116	0.416	0.016	0.0
Vertical Calculations	0.216	0.716	0.016	0.0
Vertical Calculations	0.316	2.216	0.016	0.0
Vertical Calculations	0.216	0.916	0.016	0.0
Vertical Calculations	0.316	2.716	0.016	0.0
Vertical Calculations	0.316	2.316	0.016	0.0
Vertical Calculations	0.216	0.416	0.016	0.0
Vertical Calculations	0.116	0.316	0.016	0.0
Vertical Calculations	0.116	0.216	0.016	0.0
Vertical Calculations	0.116	0.116	0.016	N
Vertical Calculations	0.116	0.516	0.016	0.0
Vertical Calculations	0.216	0.716	0.016	0.0
Vertical Calculations	0.116	1.816	0.016	0.0
Vertical Calculations	0.216	2.6216	0.216	0.0
Amusement Bay	119.16	262.16	52.16	0.0

[illegible]

P01	Stage 3 Issue	18/03/2025	SG	PC   AH
Rev.	Revision Notes	Date	Drawn By	Checked   App

**Hydrock**  
now  
**Stantec**

3rd Floor, Wharton Place  
13 Wharton St  
Cardiff  
CF10 1GS  
t: +44(0) 2920 023665  
e: cardiff@hydrock.com

CLIENT  Bwrdd Iechyd Prifysgol  
Cwm Taf Morgannwg  
University Health Board

PROJECT

Liantrisant Health Park

TITLE

Electrical Services  
External Lighting Strategy

HYDROCK PROJECT NO. 29762	SCALE @ A0 1 : 500	
STATUS DESCRIPTION SUITABLE FOR STAGE APPROVAL		STATUS S4
DRAWING NO. W550-HYD-XX-XX-DR-F-218002		REVISION PO