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Notes:

The installation and design shall comply with the Occupational Health and Safety Act, and all Regulations.
All dimensions shown in millimetres.
This drawing shall be read in conjunction with all associated equipment schedules and mechanical, electrical, structural and architectural drawings.
All service routes, equipment locations & service/maintenance space shall be checked against fully detailed architectural, structural & specialist service drawings.
All dimensions shall be checked on site.
The contractor shall fully comply with all relevant standards, regulations, standard codes of practice, methods of working, and good practice.
Coordination working drawings, installation drawings and builderswork drawing shall be prepared by the contractor.
Dimensions shall not be scaled from the drawing. The contractor shall be responsible for obtaining all dimensions and levels on site for actual setting out of works

Specific Notes:

1. Lighting columns height is 10m and luminaires combinations as shown on layout.
2. Lighting controlled by photocell dawn to dusk operation.
3. Lighting installation to comply with BS EN 12464-2 and other relevant regulations with regards to obtrusive light requirements.

LEGEND	
A1	1 x LED ETDD 42W / 5600 lm LUMINAIRE ON 10m HIGH COLUMN
A2	1 x LED ETDD 89W / 10000 lm LUMINAIRE ON 10m HIGH COLUMN
A3	1 x LED ETDD 198W / 24000 lm LUMINAIRE ON 10m HIGH COLUMN
+20	LIGHTING LEVELS WITHIN SITE BOUNDARY (LUX)
2.5	LIGHT SPILL OUTSIDE SITE BOUNDARY (LUX)
SS-MV	PROPOSED MV SUB-STATION LOCATION
SS	FUTURE SECONDARY SUB-STATION

REV	DATE	CHKD	DESCRIPTION
C	2023/02/08	AO	PLANNING ISSUE
B	2023/02/06	AO	PLANNING ISSUE
A	2023/01/27	AO	PLANNING ISSUE

KEY PLAN

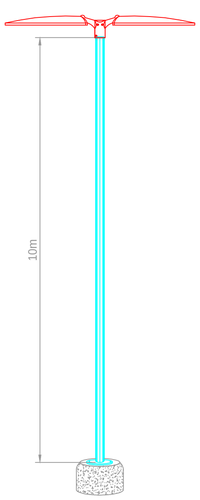


PLANNING

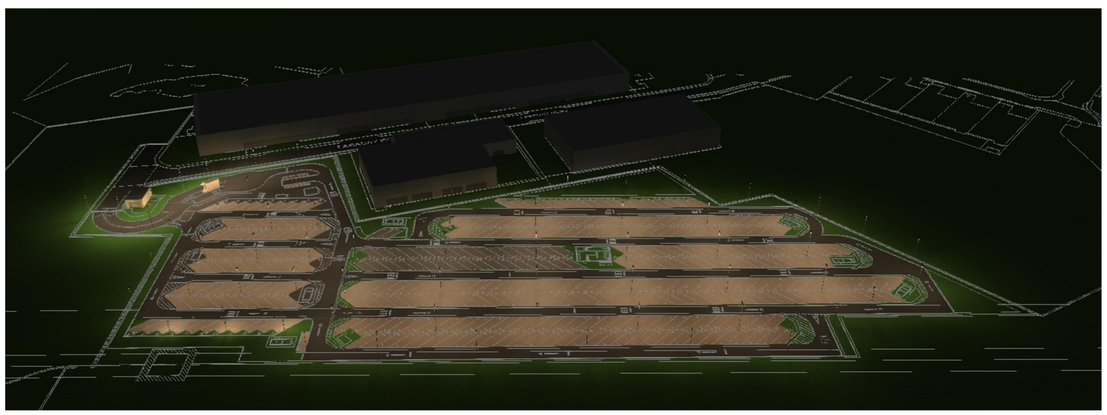
EXTERNAL LIGHTING STATISTICS				
Area	Required		Actual	
	Avg	Min/Avg	Avg	Min/Avg
Entry/Exit	100 lux	0.40	102 lux	0.59
Circulation Road	50 lux	0.40	66 lux	0.50
Car Parking	20 lux	0.40	27 lux	0.41



PROPOSED LUMINAIRE



A DETAIL NTS
TYPICAL 2 LUMINAIRES MOUNTED ON 10m HIGH POLES



SITE LIGHTING 3D VISUALIZATION

0 10000 20000 30000 40000 50000
SCALE 1:500

THE FOLLOWING DESIGN INFORMATION HAS BEEN USED IN THE PRODUCTION OF THIS DRAWING.				
Drawing Description	Drawing Number	Issue No.	Revision	Date
ARCHITECTURAL PLANS:				
PROPOSED SITE PLAN	23013-ASA-00-EX-SI-D-A-P03-(S2-P1)	-	P1	30-01-23

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Client
NETWORK SPACE

Project
VAN STORAGE AREA
FARADAY ROAD, KNOWSLEY

Title
ELECTRICAL SERVICES
EXTERNAL LIGHTING LAYOUT
KNOWSLEY VAN STORAGE

Designed	Checked	Drawn	Rev
RR	AO	RR	C
Scale 1:500@A1		Date Created JAN 2023	

Dwg No.
P.000002-RED-XX-XX-DR-E-2300

Project No. | Company | Volume | Level | Doc Type | MEP | Seq No.

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