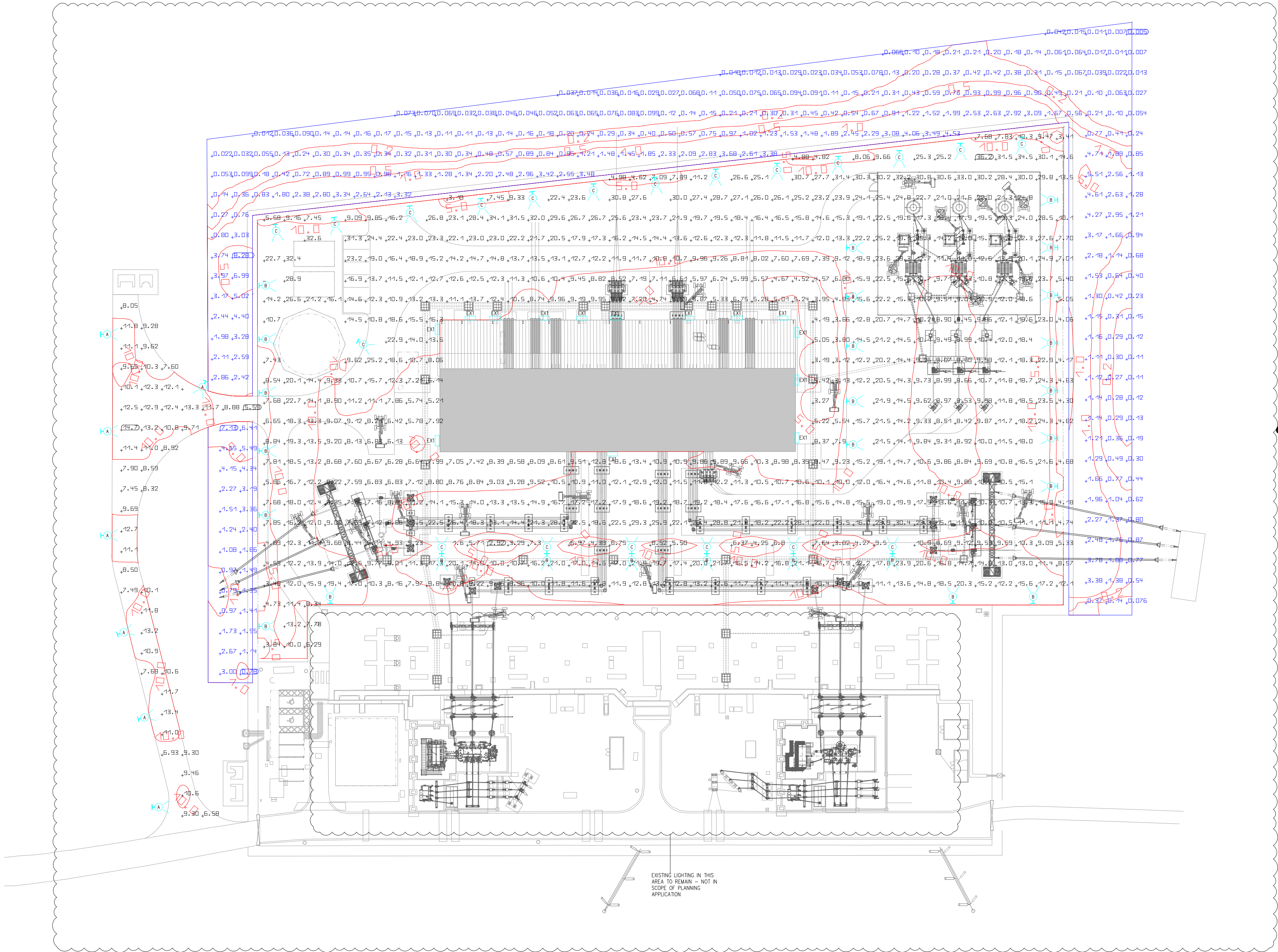


LUMINAIRE SCHEDULE								
Index	Manufacturer	Article name	Item number	Description	Luminous flux	Maintenance factor	Connected load	Quantity
A	Schröder	AMPERA EVO 1 5393 Flat glass Back light Maxi 20 LEDs LED@700mA Driver@700mA WW 727 230V 03-55-868 593122	593122	High performance, high efficacy dark sky approved lighting luminaire. 0% ULOR 2700K IP65, IK07 with back light shield	3356 lm	0.80	46 W	7
B	Schröder	NEOS GEN2 2 5393 Flat glass Back light Maxi, Embellishment plate 40 LEDs LED@350mA Driver@350mA WW 727 230V 00-70-393 621362	621362	High performance, high efficacy dark sky approved lighting luminaire. 0% ULOR 2700K IP65, IK07 with back light shield	3714 lm	0.80	43.5 W	27
C	Schröder	NEOS GEN2 2 5393 Flat glass Back light Maxi, Embellishment plate 40 LEDs LED@620mA Driver@620mA WW 727 230V 00-70-393 621362	621362	High performance, high efficacy dark sky approved lighting luminaire. 0% ULOR 2700K IP65, IK07 with back light shield	6139 lm	0.80	78 W	20
EX1	Holophone	Denver iD Wall	DWL-1.LA012.HN.W007	Led wall luminaire Dark sky approved 0% ULOR, 2700K c/w 3hr Integral Emergency.	799 lm	0.80	6.5 W	14

Area	Parameter	Min	Max	Average	Min/average	Min/max
Overall Site	Perpendicular illuminance	2.92 lx	36.2 lx	14.1 lx	0.21	0.081
External Road	Perpendicular illuminance	5.59 lx	14.7 lx	10.4 lx	0.54	0.38
External Site spill	Perpendicular illuminance	0.78 lx	8.28 lx	2.64 lx	0.30	0.11



Health & Safety
CDM regulations 2015

Significant risks associated with this drawing are identified below and, where applicable, at specific locations on the drawing.
Refer to the CDM Regulation 9 Risk Register for full details.

NOTES

1. EXTERNAL LIGHTING DESIGN SHALL COMPLY WITH THE FOLLOWING NATIONAL GRID SPECIFICATIONS:

- TS 2.10.10: GIS AND OTHER SUBSTATION BUILDINGS DESIGN
- TS 3.10.13 MINOR ELECTRICAL WORKS
- TS 3.10.15 MECHANICAL AND ELECTRICAL EQUIPMENT
- TS 2.10.04 SITE LIGHTING

2. THE SITE WILL REMAIN UNLIT OUTSIDE OF OPERATIONAL HOURS. EXTERNAL LIGHTING WILL ONLY BE ACTIVATED WHEN OPERATIONAL OR MAINTENANCE PERSONNEL ARE PRESENT, OR IN RESPONSE TO A SECURITY ALERT.

3. CAR PARK AND ROAD LIGHTING WILL BE PROVIDED IN COMPLIANCE WITH THE GUIDE AND RECOMMENDATIONS AS PUBLISHED TO THE CHARTERED INSTITUTE OF BUILDING SERVICE ENGINEERS GUIDE FOR LIGHTING IN THE OUTDOOR ENVIRONMENT, B55489, B5EN12464 AND B5EN13201.

4. ALL EXTERNAL LIGHTING DESIGNS MUST BE CARRIED OUT IN ACCORDANCE WITH THE INSTITUTE OF LIGHTING PROFESSIONALS (ILP) GUIDANCE NOTE 01/21 THE REDUCTION OF OBTRUSIVE LIGHT. ACCOUNT MUST BE TAKEN OF THE ENVIRONMENTAL LOCATION, ADJACENT OR NEARBY PROPERTIES, ULOR AND POSITIONING/AIMING OF LUMINAIRES. DESIGNS MUST ALSO CONSIDER BAT CONSERVATION TRUST (BCP)/ILP GUIDANCE NOTE 08/23 TO MITIGATE IMPACTS ON BAT HABITATS.

5. COLUMNS WILL BE MID HINGED 8M MEDIUM DUTY TILT DOWN TUBULAR STEEL CONSTRUCTION AND WILL BE SUPPLIED AND INSTALLED IN ACCORDANCE WITH BS5649 PARTS 1 & 2.

6. EXACT SETTING OUT OF ALL BUILDING MOUNTED FITTINGS TO BE AGREED WITH THE ARCHITECT BEFORE FIRST FIX TAKES PLACE.

7. EXACT SETTING OUT OF ALL LIGHTING COLUMNS TO BE AGREE WITH THE ARCHITECT BEFORE INSTALLATION COMMENCES.

NOTE - FOR CLARITY THIS DRAWING SHOULD BE PLOTTED IN COLOUR

FOR PLANNING

PO3
SUITABLE FOR REVIEW & COMMENT

EB / RS
SH
AF
VK
22/05/2025

PO2
SUITABLE FOR REVIEW & COMMENT

EB / RS
AF
VK
05/06/2025

PO1
ISSUED FOR PLANNING

EB / RS
SH
VK
22/05/2025

Rev

Description

Cr'd

Chkd

App'd

Date

nationalgrid

National Grid Electricity Transmission plc, Warwick Technology Park, Galloway Hill, Warwick, CV34 6DA

Master Scheme No:
101667

Sub-Scheme No:
N/A

Site:
MARGAM

Scheme Name:
MARGAM CONNECTION

Document Title:
SITE PLAN
PROPOSED EXTERNAL LIGHTING
LAYOUT

Created by:
EB / RS

Date:
22/05/2025

Checked by:
SH

Date:
22/05/2025

Approved by:
AF

Date:
22/05/2025

Development Eng:
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