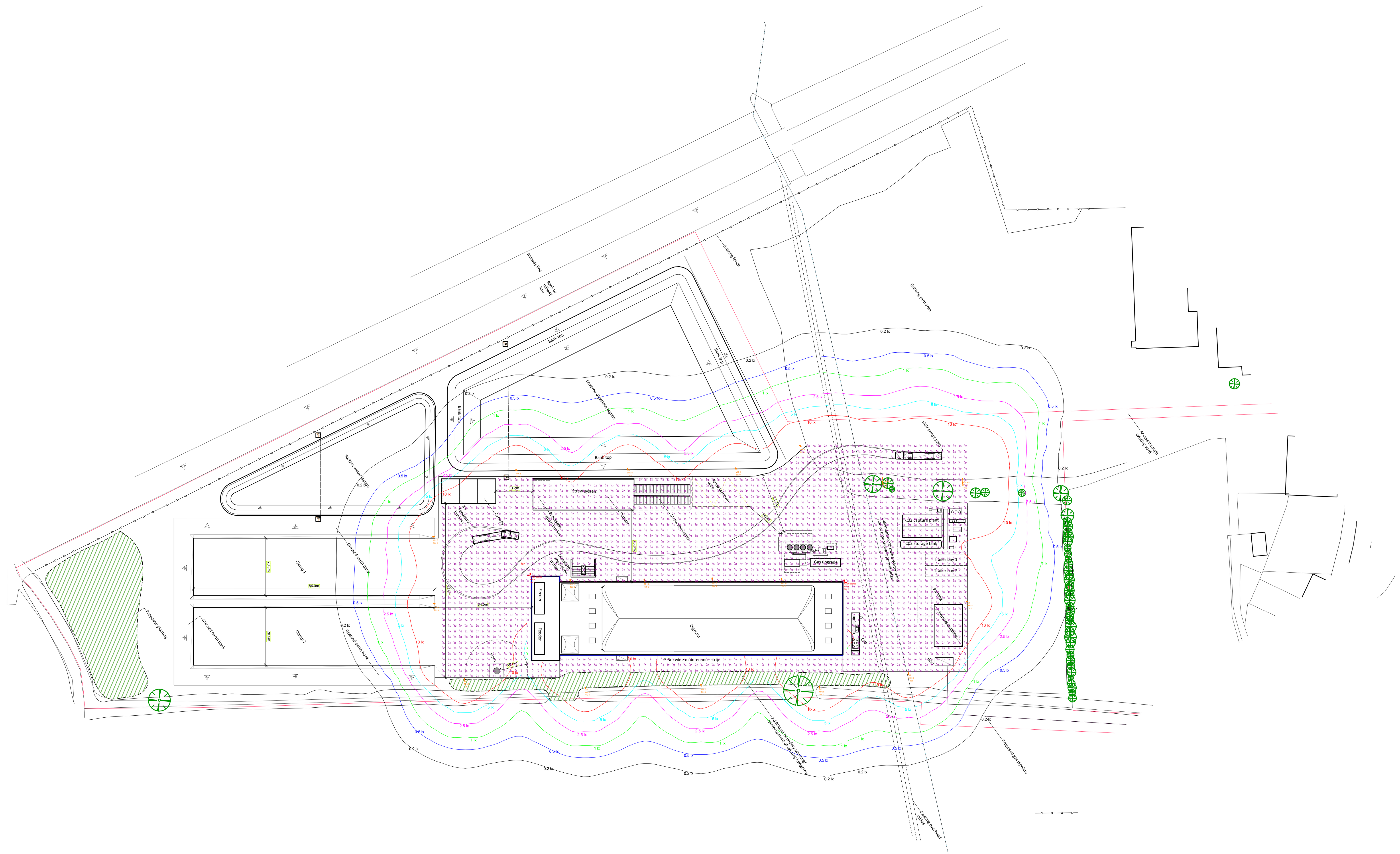


0 10m 20m 30m 40m 50m 60m 70m 80m 90M 100M

scale 1mm=1m

Kingfisher Lighting

Part of the Luceco PLC group of companies LUCECO

BREEAM New Construction 2018 (UK)

52367	Great Heck, Green Energy Ltd

	Colour Temperature (K)	Qty	Range	Light Source	Luminaire Lumens (lm)	Watts (W)	Lm/W	LOR	Total Lumens	ULOR	Upward Lumens	CRI	** ART Hour Per Day	CO^2 (Tonnes)	Kw/Hour
	4000	24	Viva City PRO	180w LED FW70	24660	180	137.00	100%	591840	0.0%	0	>70	12	3.98	18921.60

CO^2 Calculation For A Year

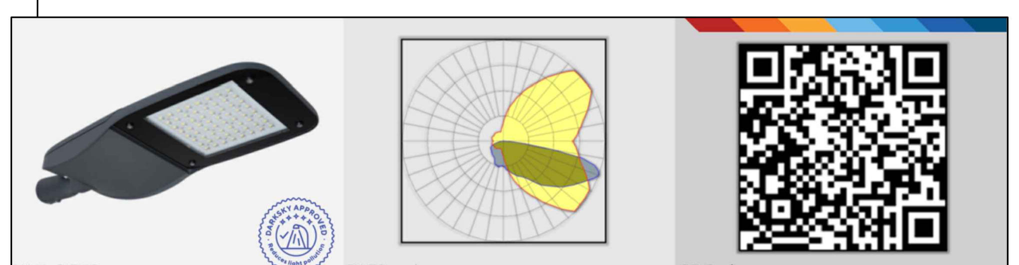
GN01 - 2011				
Table 1 Complance				
Environmental Zone	E3			
Sky Glow	Target 5.00%	Achieved 0.00%	Status Pass	
Source Intensity (Candelas)				
Pre Curfew	10,000		Pass	Note - we have not been able to calculate this as no housing is shown on the drawing
Post Curfew	1,000		Pass	Note - we have not been able to calculate this as no housing is shown on the drawing
Light Tresspass Into Windows (Lux)				
Pre Curfew	10		Pass	Note - we have not been able to calculate this as no housing is shown on the drawing
Post Curfew	2		Pass	Note - we have not been able to calculate this as no housing is shown on the drawing
Building Luminance (cd/m²)	10		Pass	

Total Installation Lumens	591840.00
Total Upward Light	0.00%
Total CO2 Per Year (Tonnes)	3.98
Total Electric Consumption (Kw)	4.32
Total Electric Consumption Per Year (Kwh)	18921.60
Average Luminaire Lumens Per Circuit Watt	137.00

Compliance Status		
Pol 04	Reduction Of Night Time Light Pollution	Pass
Ene 03	Energy Efficent External Lighting	Pass
Hea 01	Internal And External Lighting Levels	Pass

Note - HEA01 in this report only applies to exterior lighting
** ART = (Average Run Time)

Date 26/04/2024


VIVA-CITY Pro FW70 optic QR Code

NOTES FOR CONTROL

1. TIMECLOCK CONTROLLED TO SWITCH OFF AT 7PM

Luminaire Schedule

Symbol	Qty	Label	Arrangement	LLF	Description	Luminaire L/W	UWLR	TM65 & TM66 Information	Total Watts
	2	A2-90 degree	2 @ 90 degrees	0.900	180W LED 4000K VIVA-CITY Pro 880mA with FW70 forward throw optic column mounted at 8m	137	0.00		720
	2	A2 - twin	Back-Back	0.900	180W LED 4000K VIVA-CITY Pro 880mA with FW70 forward throw optic column mounted at 8m	137	0.00		720
	16	A1	Single	0.900	180W LED 4000K VIVA-CITY Pro 880mA with FW70 forward throw optic column mounted at 8m	137	0.00		2880

Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Uniformity (Min/Avg)	Diversity (Min/Max)	Meter Type	Description
Yard Area	Illuminance	Lux	32.80	102	4	0.12	0.04	Horizontal	

N

REV	DATE	DESCRIPTION	BY
B	07/05/24	AS PER REQUEST ALTERED LAMPPOSTS	RM
A	30/04/24	AS COMMENTS ON EMAIL	RM

Northamptonshire Electrical Contractors Ltd
NEC LTD
81a Charles Street, Kettering, Northants NN16 9RL
Tel: 01536 417807 Fax: 01536 412979

Client: LODGE PARK CONSTRUCTION LTD
20 KENT ROAD
ST CRISPINS LOCAL CENTRE
NORTHAMPTON
NN5 4DR

Project: AD PLANT
GREAT HECK

Title: EXTERNAL LIGHTING

Scale at A1:	Date:	Designed:	Drawn:	Design:	CAD:
1:1000	07/05/24	RM	RM	RM	RM

Drawing No: 62130-E01 Rev: B

FOR PLANNING