

Application for Approval of Details Reserved by Condition

Town and Country Planning Act 1990 (as amended); Planning (Listed Buildings and Conservation Areas) Act 1990 (as amended)

Publication of applications on planning authority websites

Please note that the information provided on this application form and in supporting documents may be published on the Authority's website. If you require any further clarification, please contact the Authority's planning department.

Site Location

Disclaimer: We can only make recommendations based on the answers given in the questions.

If you cannot provide a postcode, the description of site location must be completed. Please provide the most accurate site description you can, to help locate the site - for example "field to the North of the Post Office".

Number

Suffix

Property Name

Address Line 1

Address Line 2

Address Line 3

Town/city

Postcode

Description of site location must be completed if postcode is not known:

Easting (x)

Northing (y)

Description

Rudloe Drive, Quedgeley - phase 2

Applicant Details

Name/Company

Title

Mr

First name

Rob

Surname

Stroud

Company Name

Vistry Homes Ltd

Address

Address line 1

Cleeve Hall

Address line 2

Cheltenham Road

Address line 3

Town/City

Cheltenham

County

Glos

Country

Postcode

GL52 8GD

Are you an agent acting on behalf of the applicant?

☐ Yes

☒ No

Contact Details

Primary number

***** REDACTED *****

Secondary number

Fax number

Email address

Description of the Proposal

Please provide a description of the approved development as shown on the decision letter

Application for approval of reserved matters (access, appearance, layout, scale and landscaping) for the construction of 150 dwellings including public open space and infrastructure

Reference number

22/00553/REM

Date of decision (date must be pre-application submission)

03/11/2022

Please state the condition number(s) to which this application relates

Condition number(s)

Outline condition 15

Has the development already started?

☐ Yes

☒ No

Part Discharge of Conditions

Are you seeking to discharge only part of a condition?

☐ Yes

☒ No

Discharge of Conditions

Please provide a full description and/or list of the materials/details that are being submitted for approval

433_001 Quedgeley 2 Lighting Layout (Rev B)
433_101 Quedgeley Lighting Equipment Schedule (Rev B)
433_201 Quedgeley 2 Lighting Calculation Report (Rev B)

Site Visit

Can the site be seen from a public road, public footpath, bridleway or other public land?

☒ Yes

☐ No

If the planning authority needs to make an appointment to carry out a site visit, whom should they contact?

☐ The agent

☒ The applicant

☐ Other person

Pre-application Advice

Has assistance or prior advice been sought from the local authority about this application?

☐ Yes

☒ No

Declaration

I / We hereby apply for Approval of details reserved by a condition (discharge) as described in this form and accompanying plans/drawings and additional information. I / We confirm that, to the best of my/our knowledge, any facts stated are true and accurate and any opinions given are the genuine options of the persons giving them. I / We also accept that: Once submitted, this information will be transmitted to the Local Planning Authority and, once validated by them, be made available as part of a public register and on the authority's website; our system will automatically generate and send you emails in regard to the submission of this application.

☒ I / We agree to the outlined declaration

Signed

Chloe Griffin

Date

20/12/2022

Unit Ref	Lighting Design Class	Column Height	Column Manufacturer	Column Model Number/Order Code	Lantern Mounting	Lantern Tilt	Door Lock	Planting Depth	Lantern Manufacturer/Model	Colour-Temperature	No. of LEDs	Lantern Shield Kit	RAL Colour	Lantern Code	Drive Current	Lantern Guarantee Period	LED Driver	NEMA Socket	Central Management System CMS	Dimming Time	Dim to Light Output	Lantern Wattage	Double Pole Isolator	Fuse	Lantern to Isolator Cabling	Paint Specification	Column Paint Colour	Electrical Service Type	Highway/Private Ownership	Maintenance Company Details (If not to be adopted)	Column Setback Requirements
2A	P5	6M	CU Phosco	Quote to GCC Standard Spec	Post Top	0 Degrees	8mm Allen bolt with anti vandal centre pin	1.0M	Urbis Axia 3.1	2700K (Warm White)	8	Y	7040	5295	850mA	12 Years	Philips Xitanium	7 Pin	Telensa 5 Pin - GPS Enabled Product Code T2E1N-G-3	00:00 - 05:30am	30%	22.8	Lucy Trojan Midi THM0014962, complete with 6mm² brown & blue tails, plus 6mm² earth lead	6A - BS88 MD Fuse	7.25m of 3 core 1.5mm² circular flex H05VV-F temperature range -15°C to +70°C	Dacrylite 2 Pack Factory pre painted or Sika	BS12.B.21 (Light Green)	Direct DNO (WPD)	Highway	N/A	Back of footpath or 0.8m behind carriageway in 1x1m sq parcel
3A	P5	6M	CU Phosco	Quote to GCC Standard Spec	Post Top	0 Degrees	8mm Allen bolt with anti vandal centre pin	1.0M	Urbis Axia 3.1	2700K (Warm White)	8	Y	7040	5295	850mA	12 Years	Philips Xitanium	7 Pin	Telensa 5 Pin - GPS Enabled Product Code T2E1N-G-3	00:00 - 05:30am	30%	22.8	Lucy Trojan Midi THM0014962, complete with 6mm² brown & blue tails, plus 6mm² earth lead	6A - BS88 MD Fuse	7.25m of 3 core 1.5mm² circular flex H05VV-F temperature range -15°C to +70°C	Dacrylite 2 Pack Factory pre painted or Sika	BS12.B.21 (Light Green)	Direct DNO (WPD)	Highway	N/A	Back of footpath or 0.8m behind carriageway in 1x1m sq parcel
7A	P5	6M	CU Phosco	Quote to GCC Standard Spec	Post Top	0 Degrees	8mm Allen bolt with anti vandal centre pin	1.0M	Urbis Axia 3.1	2700K (Warm White)	8	Y	7040	5295	850mA	12 Years	Philips Xitanium	7 Pin	Telensa 5 Pin - GPS Enabled Product Code T2E1N-G-3	00:00 - 05:30am	30%	22.8	Lucy Trojan Midi THM0014962, complete with 6mm² brown & blue tails, plus 6mm² earth lead	6A - BS88 MD Fuse	7.25m of 3 core 1.5mm² circular flex H05VV-F temperature range -15°C to +70°C	Dacrylite 2 Pack Factory pre painted or Sika	BS12.B.21 (Light Green)	Direct DNO (WPD)	Highway	N/A	Back of footpath or 0.8m behind carriageway in 1x1m sq parcel
8A	P5	6M	CU Phosco	Quote to GCC Standard Spec	Post Top	0 Degrees	8mm Allen bolt with anti vandal centre pin	1.0M	Urbis Axia 3.1	2700K (Warm White)	8	Y	7040	5295	850mA	12 Years	Philips Xitanium	7 Pin	Telensa 5 Pin - GPS Enabled Product Code T2E1N-G-3	00:00 - 05:30am	30%	22.8	Lucy Trojan Midi THM0014962, complete with 6mm² brown & blue tails, plus 6mm² earth lead	6A - BS88 MD Fuse	7.25m of 3 core 1.5mm² circular flex H05VV-F temperature range -15°C to +70°C	Dacrylite 2 Pack Factory pre painted or Sika	BS12.B.21 (Light Green)	Direct DNO (WPD)	Highway	N/A	Back of footpath or 0.8m behind carriageway in 1x1m sq parcel
21A	P5	6M	CU Phosco	Quote to GCC Standard Spec	Post Top	0 Degrees	8mm Allen bolt with anti vandal centre pin	1.0M	Urbis Axia 3.1	2700K (Warm White)	8	Y	7040	5295	850mA	12 Years	Philips Xitanium	7 Pin	Telensa 5 Pin - GPS Enabled Product Code T2E1N-G-3	00:00 - 05:30am	30%	22.8	Lucy Trojan Midi THM0014962, complete with 6mm² brown & blue tails, plus 6mm² earth lead	6A - BS88 MD Fuse	7.25m of 3 core 1.5mm² circular flex H05VV-F temperature range -15°C to +70°C	Dacrylite 2 Pack Factory pre painted or Sika	BS12.B.21 (Light Green)	Direct DNO (WPD)	Highway	N/A	Back of footpath or 0.8m behind carriageway in 1x1m sq parcel
1B	P5	6M	CU Phosco	Quote to GCC Standard Spec	Post Top	0 Degrees	8mm Allen bolt with anti vandal centre pin	1.0M	Urbis Axia 3.1	2700K (Warm White)	8	N	7040	5295	850mA	12 Years	Philips Xitanium	7 Pin	Telensa 5 Pin - GPS Enabled Product Code T2E1N-G-3	00:00 - 05:30am	30%	22.8	Lucy Trojan Midi THM0014962, complete with 6mm² brown & blue tails, plus 6mm² earth lead	6A - BS88 MD Fuse	7.25m of 3 core 1.5mm² circular flex H05VV-F temperature range -15°C to +70°C	Dacrylite 2 Pack Factory pre painted or Sika	BS12.B.21 (Light Green)	Direct DNO (WPD)	Highway	N/A	Back of footpath or 0.8m behind carriageway in 1x1m sq parcel
4B	P5	6M	CU Phosco	Quote to GCC Standard Spec	Post Top	0 Degrees	8mm Allen bolt with anti vandal centre pin	1.0M	Urbis Axia 3.1	2700K (Warm White)	8	N	7040	5295	850mA	12 Years	Philips Xitanium	7 Pin	Telensa 5 Pin - GPS Enabled Product Code T2E1N-G-3	00:00 - 05:30am	30%	22.8	Lucy Trojan Midi THM0014962, complete with 6mm² brown & blue tails, plus 6mm² earth lead	6A - BS88 MD Fuse	7.25m of 3 core 1.5mm² circular flex H05VV-F temperature range -15°C to +70°C	Dacrylite 2 Pack Factory pre painted or Sika	BS12.B.21 (Light Green)	Direct DNO (WPD)	Highway	N/A	Back of footpath or 0.8m behind carriageway in 1x1m sq parcel
5B	P5	6M	CU Phosco	Quote to GCC Standard Spec	Post Top	0 Degrees	8mm Allen bolt with anti vandal centre pin	1.0M	Urbis Axia 3.1	2700K (Warm White)	8	N	7040	5295	850mA	12 Years	Philips Xitanium	7 Pin	Telensa 5 Pin - GPS Enabled Product Code T2E1N-G-3	00:00 - 05:30am	30%	22.8	Lucy Trojan Midi THM0014962, complete with 6mm² brown & blue tails, plus 6mm² earth lead	6A - BS88 MD Fuse	7.25m of 3 core 1.5mm² circular flex H05VV-F temperature range -15°C to +70°C	Dacrylite 2 Pack Factory pre painted or Sika	BS12.B.21 (Light Green)	Direct DNO (WPD)	Highway	N/A	Back of footpath or 0.8m behind carriageway in 1x1m sq parcel
6B	P5	6M	CU Phosco	Quote to GCC Standard Spec	Post Top	0 Degrees	8mm Allen bolt with anti vandal centre pin	1.0M	Urbis Axia 3.1	2700K (Warm White)	8	N	7040	5295	850mA	12 Years	Philips Xitanium	7 Pin	Telensa 5 Pin - GPS Enabled Product Code T2E1N-G-3	00:00 - 05:30am	30%	22.8	Lucy Trojan Midi THM0014962, complete with 6mm² brown & blue tails, plus 6mm² earth lead	6A - BS88 MD Fuse	7.25m of 3 core 1.5mm² circular flex H05VV-F temperature range -15°C to +70°C	Dacrylite 2 Pack Factory pre painted or Sika	BS12.B.21 (Light Green)	Direct DNO (WPD)	Highway	N/A	Back of footpath or 0.8m behind carriageway in 1x1m sq parcel
9B	P5	6M	CU Phosco	Quote to GCC Standard Spec	Post Top	0 Degrees	8mm Allen bolt with anti vandal centre pin	1.0M	Urbis Axia 3.1	2700K (Warm White)	8	N	7040	5295	850mA	12 Years	Philips Xitanium	7 Pin	Telensa 5 Pin - GPS Enabled Product Code T2E1N-G-3	00:00 - 05:30am	30%	22.8	Lucy Trojan Midi THM0014962, complete with 6mm² brown & blue tails, plus 6mm² earth lead	6A - BS88 MD Fuse	7.25m of 3 core 1.5mm² circular flex H05VV-F temperature range -15°C to +70°C	Dacrylite 2 Pack Factory pre painted or Sika	BS12.B.21 (Light Green)	Direct DNO (WPD)	Highway	N/A	Back of footpath or 0.8m behind carriageway in 1x1m sq parcel
10B	P5	6M	CU Phosco	Quote to GCC Standard Spec	Post Top	0 Degrees	8mm Allen bolt with anti vandal centre pin	1.0M	Urbis Axia 3.1	2700K (Warm White)	8	N	7040	5295	850mA	12 Years	Philips Xitanium	7 Pin	Telensa 5 Pin - GPS Enabled Product Code T2E1N-G-3	00:00 - 05:30am	30%	22.8	Lucy Trojan Midi THM0014962, complete with 6mm² brown & blue tails, plus 6mm² earth lead	6A - BS88 MD Fuse	7.25m of 3 core 1.5mm² circular flex H05VV-F temperature range -15°C to +70°C	Dacrylite 2 Pack Factory pre painted or Sika	BS12.B.21 (Light Green)	Direct DNO (WPD)	Highway	N/A	Back of footpath or 0.8m behind carriageway in 1x1m sq parcel
11B	P5	6M	CU Phosco	Quote to GCC Standard Spec	Post Top	0 Degrees	8mm Allen bolt with anti vandal centre pin	1.0M	Urbis Axia 3.1	2700K (Warm White)	8	N	7040	5295	850mA	12 Years	Philips Xitanium	7 Pin	Telensa 5 Pin - GPS Enabled Product Code T2E1N-G-3	00:00 - 05:30am	30%	22.8	Lucy Trojan Midi THM0014962, complete with 6mm² brown & blue tails, plus 6mm² earth lead	6A - BS88 MD Fuse	7.25m of 3 core 1.5mm² circular flex H05VV-F temperature range -15°C to +70°C	Dacrylite 2 Pack Factory pre painted or Sika	BS12.B.21 (Light Green)	Direct DNO (WPD)	Highway	N/A	Back of footpath or 0.8m behind carriageway in 1x1m sq parcel
12B	P5	6M	CU Phosco	Quote to GCC Standard Spec	Post Top	0 Degrees	8mm Allen bolt with anti vandal centre pin	1.0M	Urbis Axia 3.1	2700K (Warm White)	8	N	7040	5295	850mA	12 Years	Philips Xitanium	7 Pin	Telensa 5 Pin - GPS Enabled Product Code T2E1N-G-3	00:00 - 05:30am	30%	22.8	Lucy Trojan Midi THM0014962, complete with 6mm² brown & blue tails, plus 6mm² earth lead	6A - BS88 MD Fuse	7.25m of 3 core 1.5mm² circular flex H05VV-F temperature range -15°C to +70°C	Dacrylite 2 Pack Factory pre painted or Sika	BS12.B.21 (Light Green)	Direct DNO (WPD)	Highway	N/A	Back of footpath or 0.8m behind carriageway in 1x1m sq parcel
13B	P5	6M	CU Phosco	Quote to GCC Standard Spec	Post Top	0 Degrees	8mm Allen bolt with anti vandal centre pin	1.0M	Urbis Axia 3.1	2700K (Warm White)	8	N	7040	5295	850mA	12 Years	Philips Xitanium	7 Pin	Telensa 5 Pin - GPS Enabled Product Code T2E1N-G-3	00:00 - 05:30am	30%	22.8	Lucy Trojan Midi THM0014962, complete with 6mm² brown & blue tails, plus 6mm² earth lead	6A - BS88 MD Fuse	7.25m of 3 core 1.5mm² circular flex H05VV-F temperature range -15°C to +70°C	Dacrylite 2 Pack Factory pre painted or Sika	BS12.B.21 (Light Green)	Direct DNO (WPD)	Highway	N/A	Back of footpath or 0.8m behind carriageway in 1x1m sq parcel
14B	P5	6M	CU Phosco	Quote to GCC Standard Spec	Post Top	0 Degrees	8mm Allen bolt with anti vandal centre pin	1.0M	Urbis Axia 3.1	2700K (Warm White)	8	N	7040	5295	850mA	12 Years	Philips Xitanium	7 Pin	Telensa 5 Pin - GPS Enabled Product Code T2E1N-G-3	00:00 - 05:30am	30%	22.8	Lucy Trojan Midi THM0014962, complete with 6mm² brown & blue tails, plus 6mm² earth lead	6A - BS88 MD Fuse	7.25m of 3 core 1.5mm² circular flex H05VV-F temperature range -15°C to +70°C	Dacrylite 2 Pack Factory pre painted or Sika	BS12.B.21 (Light Green)	Direct DNO (WPD)	Highway	N/A	Back of footpath or 0.8m behind carriageway in 1x1m sq parcel
15B	P5	6M	CU Phosco	Quote to GCC Standard Spec	Post Top	0 Degrees	8mm Allen bolt with anti vandal centre pin	1.0M	Urbis Axia 3.1	2700K (Warm White)	8	N	7040	5295	850mA	12 Years	Philips Xitanium	7 Pin	Telensa 5 Pin - GPS Enabled Product Code T2E1N-G-3	00:00 - 05:30am	30%	22.8	Lucy Trojan Midi THM0014962, complete with 6mm² brown & blue tails, plus 6mm² earth lead	6A - BS88 MD Fuse	7.25m of 3 core 1.5mm² circular flex H05VV-F temperature range -15°C to +70°C	Dacrylite 2 Pack Factory pre painted or Sika	BS12.B.21 (Light Green)	Direct DNO (WPD)	Highway	N/A	Back of footpath or 0.8m behind carriageway in 1x1m sq parcel
16B	P5	6M	CU Phosco	Quote to GCC Standard Spec	Post Top	0 Degrees	8mm Allen bolt with anti vandal centre pin	1.0M	Urbis Axia 3.1	2700K (Warm White)	8	N	7040	5295	850mA	12 Years	Philips Xitanium	7 Pin	Telensa 5 Pin - GPS Enabled Product Code T2E1N-G-3	00:00 - 05:30am	30%	22.8	Lucy Trojan Midi THM0014962, complete with 6mm² brown & blue tails, plus 6mm² earth lead	6A - BS88 MD Fuse	7.25m of 3 core 1.5mm² circular flex H05VV-F temperature range -15°C to +70°C	Dacrylite 2 Pack Factory pre painted or Sika	BS12.B.21 (Light Green)	Direct DNO (WPD)	Highway	N/A	Back of footpath or 0.8m behind carriageway in 1x1m sq parcel
17B	P5	6M	CU Phosco	Quote to GCC Standard Spec	Post Top	0 Degrees	8mm Allen bolt with anti vandal centre pin	1.0M	Urbis Axia 3.1	2700K (Warm White)	8	N	7040	5295	850mA	12 Years	Philips Xitanium	7 Pin	Telensa 5 Pin - GPS Enabled Product Code T2E1N-G-3	00:00 - 05:30am	30%	22.8	Lucy Trojan Midi THM0014962, complete with 6mm² brown & blue tails, plus 6mm² earth lead	6A - BS88 MD Fuse	7.25m of 3 core 1.5mm² circular flex H05VV-F temperature range -15°C to +70°C	Dacrylite 2 Pack Factory pre painted or Sika	BS12.B.21 (Light Green)	Direct DNO (WPD)	Highway	N/A	Back of footpath or 0.8m behind carriageway in 1x1m sq parcel
18B	P5	6M	CU Phosco	Quote to GCC Standard Spec	Post Top	0 Degrees	8mm Allen bolt with anti vandal centre pin	1.0M	Urbis Axia 3.1	2700K (Warm White)	8	N	7040	5295	850mA	12 Years	Philips Xitanium	7 Pin	Telensa 5 Pin - GPS Enabled Product Code T2E1N-G-3	00:00 - 05:30am	30%	22.8	Lucy Trojan Midi THM0014962, complete with 6mm² brown & blue tails, plus 6mm² earth lead	6A - BS88 MD Fuse	7.25m of 3 core 1.5mm² circular flex H05VV-F temperature range -15°C to +70°C	Dacrylite 2 Pack Factory pre painted or Sika	BS12.B.21 (Light Green)	Direct DNO (WPD)	Highway	N/A	Back of footpath or 0.8m behind carriageway in 1x1m sq parcel
19B	P5	6M	CU Phosco	Quote to GCC Standard Spec	Post Top	0 Degrees	8mm Allen bolt with anti vandal centre pin	1.0M	Urbis Axia 3.1	2700K (Warm White)	8	N	7040	5295	850mA	12 Years	Philips Xitanium	7 Pin	Telensa 5 Pin - GPS Enabled Product Code T2E1N-G-3	00:00 - 05:30am	30%	22.8	Lucy Trojan Midi THM0014962, complete with 6mm² brown & blue tails, plus 6mm² earth lead	6A - BS88 MD Fuse	7.25m of 3 core 1.5mm² circular flex H05VV-F temperature range -15°C to +70°C	Dacrylite 2 Pack Factory pre painted or Sika	BS12.B.21 (Light Green)	Direct DNO (WPD)	Highway	N/A	Back of footpath or 0.8m behind carriageway in 1x1m sq parcel
20B	P5	6M	CU Phosco	Quote to GCC Standard Spec	Post Top	0 Degrees	8mm Allen bolt with anti vandal centre pin	1.0M	Urbis Axia 3.1	2700K (Warm White)	8	N	7040	5295	850mA	12 Years	Philips Xitanium	7 Pin	Telensa 5 Pin - GPS Enabled Product Code T2E1N-G-3	00:00 - 05:30am	30%	22.8	Lucy Trojan Midi THM0014962, complete with 6mm² brown & blue tails, plus 6mm² earth lead	6A - BS88 MD Fuse	7.25m of 3 core 1.5mm² circular flex H05VV-F temperature range -15°C to +70°C	Dacrylite 2 Pack Factory pre painted or Sika	BS12.B.21 (Light Green)	Direct DNO (WPD)	Highway	N/A	Back of footpath or 0.8m behind carriageway in 1x1m sq parcel

DATE: 11 December 2022
DESIGNER: EDS
PROJECT No: 433
PROJECT NAME: Quedgley (Rev B)



Design to lighting design class P5 (lowered from P4 to be sympathetic towards ecology conditions).

Luminaire specified at 2700K warmer white colour temperature and rear louvres in vicinity of bat corridors/activity.

0 degree tilt with 0 skyglow

Outdoor Lighting Report

PREPARED BY: Design Software from:
Lighting Reality Ltd
Park Business Centre
Wood Lane
Erdington
Birmingham
B24 9QR
United Kingdom



Layout Report

General Data

Dimensions in Metres Angles in Degrees
Grid Origin 381145.4m x 213235.5m
Area 379.0m x 226.2m
Sample Spacing 1.52m x 1.50m

Luminaires

Luminaire A Data

Supplier	
Type	AXIA 3.1 5295 8 OSLON SQUARE GIANT @850mA WW 727 230V 00-53-394
Lamp(s)	8 OSLON SQUARE GIANT@850mA WW 727 230V 00-53-394 [CJOIO3STDA]
Lamp Flux (klm)	2.76
File Name	AXIA 3.1 5295 8 OSLON SQUARE GIANT 850mA WW 727 22.8W 7x5 II-Medium 45...
Maintenance Factor	0.86
Imax70,80,90(cd/klm)	567.7, 8.0, 0.0
No. in Project	5



Luminaire B Data

Supplier	
Type	AXIA 3.1 5295 8 OSLON SQUARE GIANT @850mA WW 727 230V 00-53-394
Lamp(s)	8 OSLON SQUARE GIANT@850mA WW 727 230V 00-53-394 [CJOIO3STDA]
Lamp Flux (klm)	2.76
File Name	AXIA 3.1 5295 8 OSLON SQUARE GIANT 850mA WW 727 22.8W 7x5 II-Medium 43...
Maintenance Factor	0.86
Imax70,80,90(cd/klm)	648.1, 21.7, 0.0
No. in Project	16



Luminaire C Data

Supplier	Urbis
Type	AMPERA MINI 5112 - 16 LEDs 700mA N W Flat, Glass Extra Clear,
Lamp(s)	16 LEDs
Lamp Flux (klm)	3.44
File Name	AMPERA MINI 5112 16 LEDs 700mA NW 356392 Flat Glass Extra Clear Smooth - ...
Maintenance Factor	0.86
Imax70,80,90(cd/klm)	456.8, 262.3, 0.0
No. in Project	3

Luminaire D Data

Supplier	Urbis
Type	AMPERA MIDI 5096 - 48 LEDs 500mA N W Flat, Glass Extra Clear,
Lamp(s)	48 LEDs
Lamp Flux (klm)	8.18
File Name	AMPERA MIDI 5096 48 LEDs 500mA NW 351332 Flat Glass Extra Clear Smooth - ...
Maintenance Factor	0.86
Imax70,80,90(cd/klm)	668.3, 158.0, 0.0
No. in Project	1



Layout

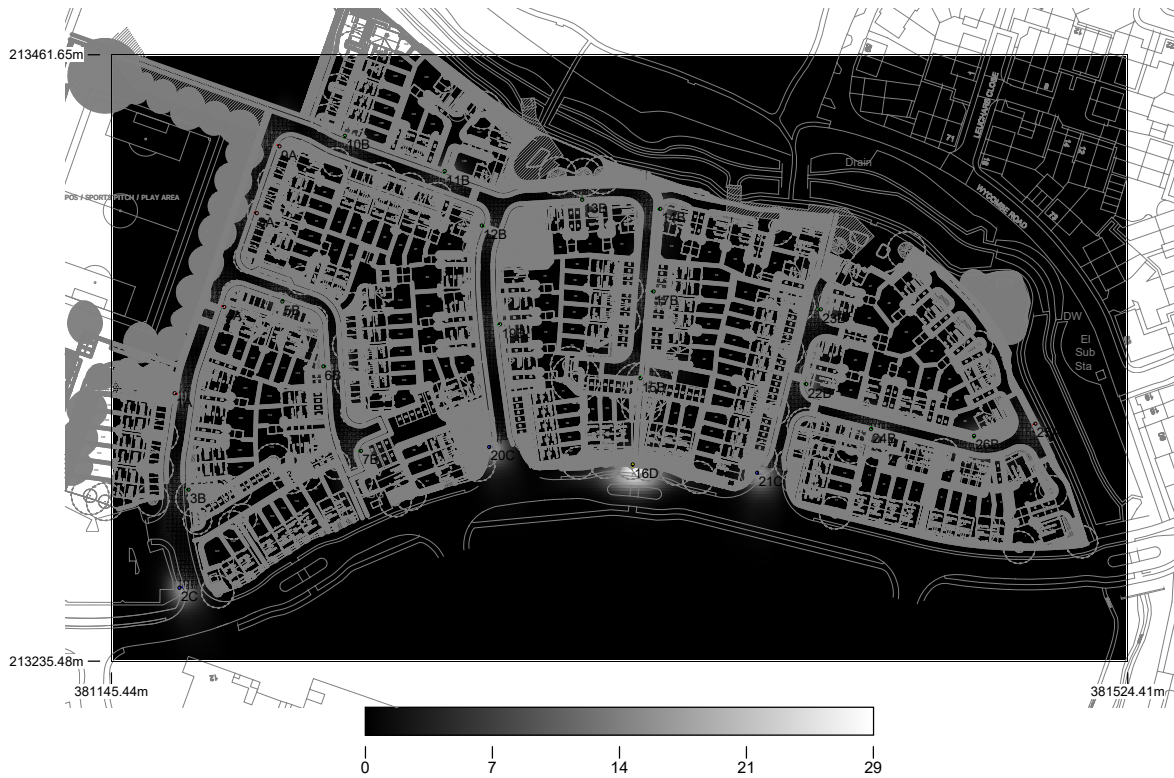
ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	381169.03	213335.42	6.00	351.00	0.00	0.00	0.50			
2	C	381170.82	213262.86	6.00	9.00	0.00	0.00	0.50			
3	B	381174.20	213299.43	6.00	178.00	0.00	0.00	0.50			
4	A	381187.51	213367.59	6.00	162.00	0.00	0.00	0.50			
5	B	381209.17	213369.61	6.00	70.00	0.00	0.00	0.50			
6	B	381224.47	213345.47	6.00	4.00	0.00	0.00	0.50			
7	B	381238.48	213313.93	6.00	182.00	0.00	0.00	0.50			
8	A	381199.63	213402.57	6.00	164.00	0.00	0.00	0.50			
9	A	381208.09	213427.49	6.00	151.00	0.00	0.00	0.50			
10	B	381232.45	213431.38	6.00	248.00	0.00	0.00	0.50			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
11	B	381269.67	213418.23	6.00	252.00	0.00	0.00	0.50			
12	B	381283.57	213397.95	6.00	340.00	5.00	0.00	0.50			
13	B	381320.97	213407.60	6.00	97.00	0.00	0.00	0.50			
14	B	381350.07	213404.16	6.00	189.00	0.00	0.00	0.50			
15	B	381342.66	213341.01	6.00	84.00	0.00	0.00	0.50			
16	D	381339.79	213308.86	8.00	270.00	0.00	0.00	0.50			
17	B	381347.55	213373.40	6.00	177.00	0.00	0.00	0.50			
19	B	381290.34	213361.14	6.00	185.00	0.00	0.00	0.50			
20	C	381286.26	213315.36	6.00	5.00	0.00	0.00	0.50			
21	C	381386.19	213305.74	6.00	347.00	0.00	0.00	0.50			
22	B	381404.49	213338.82	6.00	168.00	0.00	0.00	0.50			
23	B	381409.93	213366.67	6.00	169.00	0.00	0.00	0.50			
24	B	381428.64	213322.06	6.00	78.00	0.00	0.00	0.50			
25	A	381489.90	213324.02	6.00	211.00	0.00	0.00	0.50			
26	B	381467.05	213319.56	6.00	261.00	0.00	0.00	0.50			

Horizontal Illuminance (lux)

Grid 1



Results

Eav	4.53
Emin	0.60
Emax	17.40
Emin/Emax	0.03
Emin/Eav	0.13



Health & Safety - CDM Regulations 2015 (Design Risk)

The following risks have been identified for which a suitably qualified and experienced street lighting contractor holding a 'HERS' certificate would be familiar with and should therefore be used for installation, maintenance and decommissioning. A comprehensive risk assessment should be carried out prior to the commencement of any site work.

- Underground Services
This design has not included a survey of existing and proposed underground services, the owners of these services must be consulted prior to commencement of works.
Electricity
Gas
Water/Sewage
Telecoms
- Overhead cables
Removal of lighting equipment to comply with G39 regulations.
- Working near a public highway
Columns should be installed with the doors orientated such that an operative working in the base compartment faces oncoming traffic. Appropriate traffic management must be used for any works on these columns.
- Working with electricity
Compliance with local DNO/IDNO regulations.
- During works all traffic management to be in accordance with Chapter 8 of the traffic signs manual.

Street Lighting Key:

- Proposed 6m galvanised steel column with post top mounted at 0° Urbis Axia 3.1 8LED warm white lantern to be fitted with DALI dimming & louvre for ecology.
Column Ref: CU Phosco (to GCC Specification)
Lantern Order Ref: Axia 3.1 5295 8LED 850mA 2700K WW
7 PIN NEMA SOCKET
Control Gear Ref: DALI Dimming and CMS compatible
Telecell Ref: 5 Pin NEMA Telensa – GPS Enabled (Product Code T2E1N-G-3)
Dimming Regime: 30% Light Output – 23:00hrs to 5:30hrs
LED Driver: Philips Xiatanium
Service Connection: WPD Unmetered Statutory Low Voltage Supply
Project quantity (5no.)
- Proposed 6m galvanised steel column with post top mounted at 0° Urbis Axia 3.1 8LED warm white lantern to be fitted with DALI dimming
Column Ref: CU Phosco (to GCC Specification)
Lantern Order Ref: Axia 3.1 5295 8LED 850mA 2700K WW
7 PIN NEMA SOCKET
Control Gear Ref: DALI Dimming and CMS compatible
Telecell Ref: 5 Pin NEMA Telensa – GPS Enabled (Product Code T2E1N-G-3)
Dimming Regime: 30% Light Output – 23:00hrs to 5:30hrs
LED Driver: Philips Xiatanium
Service Connection: WPD Unmetered Statutory Low Voltage Supply
Project quantity (16no.)
- Existing column to be disconnected removed. Existing lantern to be collected by GCC
- Location of existing lighting in other phases

1A Unit numbers for general reference purposes only.

LUX Contours

- 0.6
0.5

Notes:

- All illuminated street furniture drawings shall be submitted to GCC Street Lighting for approval.
- The installation of street lighting shall be in accordance with Gloucestershire County Council Manual for Gloucestershire Streets (Section 11).
- All columns types shall be in accordance to the above specification. Any other manufacturer or model type other than those specified on the GCC approved drawing will not be accepted for adoption.
- All columns to be located as shown on the drawing and in adoptable highway. They must be at the back, and within the footway wherever possible, or positioned in an adoptable build out as per Manual for Gloucestershire Streets Section 11 (Appendix G/02)
- All columns to be installed accordingly so doors are facing away from oncoming traffic.
- All columns and illuminated signs require direct DNO connections.
- All illuminated bollards within central reserves are to be privately fed from the nearest lighting column or feeder pillar.
- Contractor to check all dimensions and report all errors and omissions to the engineer.

- Drawing to be read in conjunction with:
- Lighting Schedule (Ref 433/101B)
 - GCC Manual for Gloucestershire Streets

B	JS	-	-	11/12/2022	Unit 7A relocated away from parking bay.
A	JS	-	-	27/10/2022	Updated lantern specification. Colour temperature 2700K ecology condition Lighting design class lowered for ecology. Dimming regime updated.
Rev	By	Chkd	Apprvd	Date	Description

Developer

VISTRY HOMES

Development

QUEDGELEY,
PHASE 2

Drawing

STREET LIGHTING DESIGN

Drawn by: JS Date Drawn: 22.05.2022

Drawing No. Revision

4330/001

B

Drawing Scale: 1:1000 at A2