



#	Symbol	Description
11	●	Street lighting column to be removed / relocated (see notes).
9	⊕	Reuse removed lighting column. Column to receive a post top lantern manufactured by LED Roadway Lighting ref.: NXT-12S-350mA-2ES , 4000K, c/w 5pin NEMA socket (SPR45) & Latitude IQ (PE200 GPS Node). LRL catalogue code: NXT-12S-0-R-2ES-350-XX-3-G-CE-PG-H-SPR45 Lanterns to be set to 5 degrees tilt.
3	⊕	Reuse removed lighting column. Column to receive a post top lantern manufactured by LED Roadway Lighting ref.: NXT-12S-350mA-3LB , 4000K, c/w 5pin NEMA socket (SPR45) & Latitude IQ (PE200 GPS Node). LRL catalogue code: NXT-12S-0-R-3LB-350-XX-3-G-CE-PG-H-SPR45 Lanterns to be set to 5 degrees tilt.
5	⊕	Existing lighting column to remain. Remove existing lantern and bracket. install post lantern manufactured by LED Roadway Lighting ref.: NXT-36S-350mA-2ES , 4000K, c/w 5pin NEMA socket (SPR45) & Latitude IQ (PE200 GPS Node). LRL catalogue code: NXT-36S-0-R-2ES-350-XX-3-G-CE-PG-H-SPR45 Lanterns to be set to 5 degrees tilt.
10	⊕	Existing lighting column to remain. Remove existing lantern and bracket. install post lantern manufactured by LED Roadway Lighting ref.: NXT-36S-350mA-3LB , 4000K, c/w 5pin NEMA socket (SPR45) & Latitude IQ (PE200 GPS Node). LRL catalogue code: NXT-36S-0-R-3LB-350-XX-3-G-CE-PG-H-SPR45 Lanterns to be set to 5 degrees tilt.
31	⊕	Existing lighting column to remain. Remove existing lantern. install post lantern manufactured by LED Roadway Lighting ref.: NXT-12S-350mA-2ES , 4000K, c/w 5pin NEMA socket (SPR45) & Latitude IQ (PE200 GPS Node). LRL catalogue code: NXT-12S-0-R-2ES-350-XX-3-G-CE-PG-H-SPR45 Lanterns to be set to 5 degrees tilt.
14	⊕	Existing lighting column to remain. Remove existing lantern. install post lantern manufactured by LED Roadway Lighting ref.: NXT-12S-350mA-3LB , 4000K, c/w 5pin NEMA socket (SPR45) & Latitude IQ (PE200 GPS Node). LRL catalogue code: NXT-12S-0-R-3LB-350-XX-3-G-CE-PG-H-SPR45 Lanterns to be set to 5 degrees tilt.
3	⊕	Existing lighting column to remain. Remove existing lantern. install post lantern manufactured by LED Roadway Lighting ref.: NXT-24S-350mA-2ES , 4000K, c/w 5pin NEMA socket (SPR45) & Latitude IQ (PE200 GPS Node). LRL catalogue code: NXT-24-0-R-2ES-350-XX-3-G-CE-PG-H-SPR45 Lanterns to be set to 5 degrees tilt.

ORDNANCE SURVEY																						
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NOTES																						
1.	All dimensions are in metres unless noted otherwise.																					
2.	The road lighting installation is to comply with South Gloucestershire Council's requirements in accordance with the Developer Specification, Maintenance Specification and Street Lighting Policy.																					
3.	New SGC lighting columns shall be installed in highway land dedicated for SGC ownership.																					
4.	All equipment and installation works shall comply with relevant British Standards. Equipment detailed in the section 'equipment specific' shall be installed. Prior to any installation or road lighting works commencing on site, alternative equipment may be considered for approval by SGC.																					
EQUIPMENT GENERAL																						
1.	The columns shall be installed to the Type F2 foundation (see standard drawing SGGD/1300/08A) in the rear of the footpath or similar off-set when in verge. Column pots may also be used after gaining prior consent of the SGC Lighting Engineer of the proposed column pot installation.																					
2.	Latitude IQ (PE200 GPS Node) are to be factory pre-programmed for step dimming or part night operation as below, in line with SGC's Part Night Lighting Strategy.																					
<table border="0"> <tr> <td>Part Night Operation:</td> <td>[Sunset + 15mins] to Midnight</td> <td>- 75%</td> </tr> <tr> <td></td> <td>Midnight to 1am</td> <td>- 50%</td> </tr> <tr> <td></td> <td>1am to 5am</td> <td>- off</td> </tr> <tr> <td></td> <td>5am to [Sunrise - 15mins]</td> <td>- 75%</td> </tr> <tr> <td>All Night Operation:</td> <td>[Sunset + 15mins] to Midnight</td> <td>- 75%</td> </tr> <tr> <td></td> <td>Midnight to 5am</td> <td>- 50%</td> </tr> <tr> <td></td> <td>5am to [Sunrise - 15mins]</td> <td>- 75%</td> </tr> </table>		Part Night Operation:	[Sunset + 15mins] to Midnight	- 75%		Midnight to 1am	- 50%		1am to 5am	- off		5am to [Sunrise - 15mins]	- 75%	All Night Operation:	[Sunset + 15mins] to Midnight	- 75%		Midnight to 5am	- 50%		5am to [Sunrise - 15mins]	- 75%
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4.	All electrical supplies for the road lighting equipment and illuminated road traffic signs shall be provided by a DNO (Distribution Network Operator) unless otherwise stated in equipment specific. Street Lighting Furniture installed on refuge or traffic calming islands will receive local authority cabled supplies installed in accordance with SGC's Developer Specification.																					
5.	The numbering detailed upon the lay-out plan is for guidance and the actual numbering used shall be consecutive numbers applied for each separately addressed named road or footpath. The consecutive lighting numbering system applied shall be only numerical and commence in each road with the start of the adjacent property numbering system.																					
6.	Any proposed amendments to the development layout and/or lighting scheme shall be approved by the SGC prior to works commencing and/or completion on site.																					
7.	Existing columns: Where lanterns are to be replaced on existing columns, the cut outs will be replaced to DPI/1F/2F or 3F depending on no. of lanterns/outgoing circuits etc.																					
8.	Council supplies denoted to street lighting furniture shall be highway ducted cabling installed to the council specification.																					
9.	SGC ducting requirements shall consist of the following: a. Road ducts 100mm diameter at 750mm cover (2 number) for DNO cabling and orange for SGC cabling at 450mm cover. b. Footpath/cycleway ducts 50mm diameter (1 number) black for DNO cabling and orange for SGC cabling at 450mm cover. c. Road crossing ducts are to have a draw wire left in place after cabling has been installed for future use unless otherwise stated in equipment specific.																					
10.	Equipment above ground base compartments to be provided with DPI cut-outs manufactured by Totoc Ltd product references DPI/F, 2F or 3F. In refuge islands there will be separate sub-fused supplies to adjacent individual signage.																					
11.	All street lighting furniture removed that is deemed to be re-usable will be returned to SGC depot at Broad Lane, Yate. Contact Andy Porter (01454 863982)																					

DNO Connections	
Connection Type	Quantity
New Service	8
Transfer (discon / recon)	4
Disconnection of Service	9

N/A	Proposed asset number
D	Supply details - see below
S004	Existing asset number
Supply Details:	
N - DNO New Service	PN - Private New Service
T - DNO Transfer of Service	PT - Private Transfer
D - DNO Disconnection of Service	PD - Private Disconnection
L/C - Lantern Change	

Street lighting lanterns marked with shall be factory pre-programmed for all-night operation. All other street lighting lantern shall be factory pre-programmed for part-night operation. See details in Equipment General & Equipment Specific.

Rev	Description	Drawn	App'd	Date



Project: LED Replacement Programme
Year 3 Siston
2016/2017

Title: Siston Hill Development
Street Lighting Adoption Design Requirements

Acad Ref	I:\STREET CARE\STREET LIGHTING\LED Replacement\Year 3 - 2016 - 17\10 - Siston\Design		
Development drawing ref:	-		
Consultant	-	SGC Profess	-
Scale @ A1	@ A1 = 1:1000	Drawn	RB
Date	Feb '16	Approved	AP
Dwg No.	LED-Y3-10-001	Rev.	-

Acad Ref: I:\STREET CARE\STREET LIGHTING\LED Replacement\Year 3 - 2016 - 17\10 - Siston\Design\Drawings\Siston Development\LED-Y3-10.dwg (Step 01, 2016 - 12:28pm)