

Issued by	Electrical Development Services Limited 14 Bluebell Rise Chalford Stroud GL6 8NP	Client	PHG
		Project name	Harvey Crescent, Port Talbot
		Title	Street Lighting Installation
		Doc ref	748/901
		Project number	748
		Status	Detailed Design
	Office contact Jakob Sparrow EDS_LTD@hotmail.com	Date	22/04/2024

Document production record		
Issue number	X	Name
Prepared by		Jakob Sparrow Director
Checked by		Click here to enter name.
Approved by		Click here to enter name.

Document revision record			
Issue number	Status	Date	Revision details

Hazard	Location	Who is at Risk	Consequence	Risk Before Mitigation			Mitigation Measures		Residual Risk				
				S	L	R	Preliminary Design	Detailed Design	S	L	R	Information/Notes	
Construction													
i) Installation of lighting columns	Highway Lighting equipment	Public / operatives	Injury, falls, trips	5	2	10	N/A	Install barriers and traffic management to protect public and vehicles from works area	3	1	3	TM Needs be applied for safe working in accordance with TSM Chapter 8.	
ii) Site Clearance	Highway Lighting equipment	Public / operatives	Electrocution, falls, trips	4	5	20	N/A	Electrical cables to be disconnected by contractor/DNO before columns can be removed.	4	1	4	TM Needs be applied for safe working in accordance with TSM Chapter 8.	
iii) Underground services	Below Ground	Public / Operatives	Electrocution gas leak,flood	5	4	20	N/A	CAT scans to be undertaken. Mark up site. Permit to dig required.	5	2	10	Ensure excavations are carried out in accordance with HSG47.	
iv) Overhead services	Above Ground	Public / Operatives	Electrocution	5	4	20	N/A	Consult with local DNO prior to construction	4	1	4	G39 Regulations to be applied for safe working	
Operation and Maintenance													
i) Night-time operation	Various Highway Lighting equipment	Public / Traffic	Visual Impact, Lighting Nuisance	1	2	2	N/A	Design to be in keeping with road/footway characteristics, reduce light nuisance, glare and light intrusion.	1	1	1		
ii) Electrical works	New electrical circuits	Public / Operatives	Electrocution	5	4	20	N/A	Isolate in accordance with BS7671. Trained & competent operative.	5	1	5		

S = Severity	
1	Minor Injury – Minor Cuts or Bruising
2	Lost Time Injury – Injury that requires First Aid
3	Reportable Accident – Injury resulting in 7 or more days off work
4	Major Accident – As defined by RIDDOR
5	Fatal Accident

L = Likelihood	
1	Very Unlikely
2	Unlikely
3	Fairly Likely
4	Likely
5	Very Likely

R = Risk Rating (S x L)		1
1 to 7	Low Risk – No Further Action Required	
8 to 15	Medium Risk – Further design controls needed to reduce or information on how the owner can control the risks to be included	
16 to 25	High Risk – Further design controls needed	