

RISK ASSESSMENT - LIGHTING

SITE ADDRESS:

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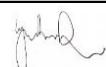
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Document Issue Sheet

Revision	Project Number	Document Reference	Prepared By	Date	Verified	Date
R0	WLC648	WLC648-RA		04/04/2022		05/04/2022

Project Overview

Brief Description of Works
Exterior lighting works at above proposed development works.
Design Considerations
Notes

Hazard Identification / Activity	Applicable	Activity	What is the hazard / Who is at risk?	Initial Risk Assessment			Design Control Measures and Document / Drawing Reference	Residual Risk Assessment			Further control measures / recommendations / comments
				Severity (S)	Likelihood (L)	Risk (SxL)		Severity (S)	Likelihood (L)	Risk (SxL)	
A.1. LAND USAGE											
A.1.1. Are there any H&S hazards from the works that might affect adjacent land or land use?											
i) During construction works	Yes	Installation of lighting equipment adjacent to highway / footpath	Public / operatives	5	2	10	Installation of barriers and appropriate traffic management. Competent contractor to be employed.	5	1	5	

ii) During operation of works	No										
A.2. EXISTING AND PROPOSED UTILITIES / SERVICES											
A.2.1. Are there any underground services / utilites within the site?											
i) Electricity (LV)	Yes	Installation of lighting equipment. Below ground works.	Striking underground cable. Public / operatives	5	4	20	Ensure CAT scans are undertaken to locate services/utilities. Mark up on site if required. No works to be undertaken without a valid permit to dig. Utility plans to be provided by contractor	5	1	5	Principal Contractor Must ensure that all excavations are carried out in accordance with HSG 47
ii) Water	Yes	Below ground works	Striking underground water main – flooding hazard. Workforce, site personnel and public.	3	4	12	Ensure CAT scans are undertaken to locate services/utilities. Mark up on site if required. No works to be undertaken without a valid permit to dig. Utility plans to be provided by contractor	3	1	3	Principal Contractor Must ensure that all excavations are carried out in accordance with HSG 47
iii) Telecom	Yes	Below ground works	Striking underground telecom service	3	4	12	Ensure CAT scans are undertaken to locate services/utilities. Mark up on site if required. No works to be undertaken without a valid permit to dig. Utility plans to be provided by contractor	3	1	3	Principal Contractor Must ensure that all excavations are carried out in accordance with HSG 47
iv) Gas	Yes	Below ground works	Striking underground gas main – explosion, gas leak. Workforce and site personnel	5	4	20	Ensure CAT scans are undertaken to locate services/utilities. Mark up on site if required. No works to be undertaken without a valid permit to dig. Utility plans to be provided by contractor	5	1	5	Principal Contractor Must ensure that all excavations are carried out in accordance with HSG 47
A.2.2. Are there any overhead services / utilites within the site?											

i) Telecom	No										
ii) Electricity	No										
A.3. Site Clearance – existing electrical equipment											
i) Any disconnection and removal of existing equipment required?	No										
B.1. Commencement of site works											
B.1.1. Any special measures needed to protect the public?											
i) Pedestrians, equestrians and other non motorised users (e.g footpath diversions and segregation)	Yes	Installation and removal of lighting equipment	Struck by vehicle / moving machinery / workforce / public	5	4	20	Traffic Management in accordance with Chapter 8 – competent contractor to be appointed.	5	1	5	
ii) Motorised users (e.g. Traffic Management -traffic diversions, road closures, speed limits, safety zones, barriers)	Yes	Installation and removal of lighting equipment	Struck by vehicle / moving machinery / workforce / public	5	4	20	Traffic Management in accordance with Chapter 8 – competent contractor to be appointed.	5	1	5	

B.2. Site clearance											
i) Any special H&S considerations for site clearance?	No										
C.1. Commissioning and Maintenance											
i) Electrical works	Yes	Electrical testing (new and periodic)	Operatives, electrocution	5	3	15	Isolate cables in accordance with BS7671. Trained and competent workforce.	5	1	5	
S	Severity	L	Likelihood	Residual Risk Value		Risk Rating		Comments			
1	Negligible	1	Remote	1		Low		Acceptable			
2	Minor	2	Unlikely	2-5		Low		Acceptable with effective control measures			
3	Lost time injuries	3	Possible	6-7		Medium		Not acceptable, risks need investigation to consider reasonable practical improvements			
4	Severe	4	Likely	8-16		Significant		Review urgently required to determine whether the risk can be removed / reduced or controls improved			
5	Fatality	5	Probable	20-25		High (expected)		Risks must be removed or reduced			