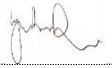
RISK ASSESSMENT - LIGHTING

SITE ADDRESS:
Kilnwood Phase 3, DEFG (Private)

WILLIAMS LIGHTING CONSULTANTS LTD.
Office 6, Stonehouse Business Centre, 1a
Middle Row, Chipping Norton, OX7 5NH
T. 01608.642530
Company Reg. No: 10736462
INFO@WLCLIGHTING.CO.UK
www.wlclighting.co.uk

Document Issue Sheet

Revision	Project Number	Document Reference	Prepared By	Date	Verified	Date
R0	WLC1152-PVT	WLC1152-PVT-RA		16/07/2024		17/07/2024

Project Overview

Brief Description of Works
Proposed private lighting works at the above development.
Design Considerations
Designed considering BS5489-1:2020 and client requirements.
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)	Liklihood (L)	Risk (SxL)		Severity (S)	Liklihood (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 barrriers 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	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 disconnetion 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	Liklihood	Residual Risk Value	Risk Rating	Comments
1	Neglible	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