

Lighting Design Hazard Elimination and Management List

Applies to: All Consultants and Contractors only.

Enerveo Lighting Designs will be carried out with all due reasonable skill, care and diligence in accordance with BS5489-1 2013. Enerveo Designers have in accordance with the Construction Design and Management Regulations 2015 (CDM2015), identified site-specific hazards/risks, and reasonably endeavoured to eliminate or reduce these for construction, maintenance, and decommissioning of the Lighting Design, as far as reasonably practicable. This document should be used in conjunction with addendum sheets as indicated and any consultants' and contractors' own Hazard Elimination and Management List. The construction works should be carried out by competent persons, in accordance with HSG47 Avoiding danger from underground services, G39 Working in the vicinity of DNO equipment, New Roads and Street Works Act 1991, Traffic Signs Manual Chapter 8, with consultants' and contractors' own relevant method statements, procedures and policies.

Client:	Eastleigh Borough Council						Document Ref:	EVO20024963-HE-001-A					
Project:	Non-Adoptable Private Parking & Footpath Lower Acre - One Horton Heath						Assessed by:	James Duffin	Date:	16/05/2024			
Hazards/Risk, Identified (Safety, Health & Environmental):	At Risk:			Assessment of Risk before Design:			Actions taken at the Design Stage, to identify site-specific Hazards/Risks, eliminate or reduce these Hazards/Risks for Construction, Maintenance, and Decommissioning of the Units, as far as reasonably practicable.	Assessment of Risk after Design:			Addendum Sheet required?		
	Install-er	Users	Environ-ment	L	S	R R		L	S	RR	No	Yes (See Addendum sheet)	
Electrical Sub Stations in the vicinity	✓			3	10	H	Relevant electrical sub stations have been indicated on this scheme's drawing. New units have been designed away from electrical sub stations as far as reasonably practicable. The following new unit remains close to electrical sub stations. CP38, CP29	2	10	H		(See HV/LV network maps).	
Underground High Voltage Electricity Cables (HV) in the vicinity [1kV to 132kV]	✓			3	10	H	Relevant units in the vicinity of underground HV cables have been indicated on this scheme's drawing. New units have been designed away from underground HV cables as far as reasonably practicable. The following new unit remains close to the vicinity of underground HV cables. - CP26, CP29, CP38, CP39, CP42 - FP7, FP6	2	10	H		(See HV network maps).	

Client:	Eastleigh Borough Council						Document Ref:	EVO20024963-HE-001-A					
Project:	Non-Adoptable Private Parking & Footpath Lower Acre - One Horton Heath						Assessed by:	James Duffin	Date:	16/05/2024			
Hazards/Risk, Identified (Safety, Health & Environmental):	At Risk:			Assessment of Risk before Design:			Actions taken at the Design Stage, to identify site-specific Hazards/Risks, eliminate or reduce these Hazards/Risks for Construction, Maintenance, and Decommissioning of the Units, as far as reasonably practicable.	Assessment of Risk after Design:			Addendum Sheet required?		
	Install-er	Users	Environ-ment	L	S	R R		L	S	RR	No	Yes (See Addendum sheet)	
Underground Low Voltage Electricity Cables (LV) in the vicinity	✓			3	10	H	New units have been designed close to LV cables, for power supply in order to minimise excavation and associated risks.	2	10	H		(See LV network maps).	
Underground Fibre Optic Cables	✓	✓		3	5	H	Relevant existing units in the vicinity of underground fibre optic cables have been indicated on this scheme's drawing. Fibre optic owner is Virgin Media New units have been designed away from underground fibre optic cables as far as reasonably practicable. The following new unit remains close to underground fibre optic cables. - CP9, CP10, CP11, CP17, CP19, CP21, CP26, CP33, CP51, CP55 - FP6, FP8, FP9, FP10, FP11, FP12, FP13, FP14, FP15, FP16, FP21	2	5	M	✓		
Underground Telecommunication Cables in the vicinity	✓			1	2	L	Underground telecommunications cables in the area.	1	1	L		See telecommu- nication network maps.	
Manual Handling	✓			3	5	H	New units have been located to eliminate the need of manual handling as far as reasonably practicable. It was not reasonably practicable to eliminate the need of manual handling for the following new unit. All units	3	5	H	✓		

Client:	Eastleigh Borough Council						Document Ref:	EVO20024963-HE-001-A					
Project:	Non-Adoptable Private Parking & Footpath Lower Acre - One Horton Heath						Assessed by:	James Duffin			Date:	16/05/2024	
Hazards/Risk, Identified (Safety, Health & Environmental):	At Risk:			Assessment of Risk before Design:			Actions taken at the Design Stage, to identify site-specific Hazards/Risks, eliminate or reduce these Hazards/Risks for Construction, Maintenance, and Decommissioning of the Units, as far as reasonably practicable.	Assessment of Risk after Design:			Addendum Sheet required?		
	Install-er	Users	Environ-ment	L	S	R R		L	S	RR	No	Yes (See Addendum sheet)	
Passive Safety Equipment		✓		3	10	H	The Principal Designer is yet to determine the need for the protection of roadside features or passive street furniture (determination to be in accordance with good practice such as the UKRLG ‘Provision of Road Restraint Systems on Local Authority Roads’, CD377, the Overseeing Organisation’s policy & practice, etc). Standard equipment has been specified at this stage, subject to review by the Principal Designer.	3	10	H	✓		
Trees in the vicinity		✓		1	2	L	Wherever reasonably practicable new Units have been designed away from trees. Where the tree growth does/could impact/encroach on this scheme, pruning requirements have been indicated.	1	1	L	✓		
Visual impact / light pollution /intrusion		✓	✓	1	2	L	Wherever reasonably practicable new units have been designed to be in keeping with the road characteristics, reduce light pollution and light intrusion. 2700K warm white LEDs due to known presence of bats at the site and rear louvres used to minimise spill light onto properties and the natural environment.	1	1	L	✓		
Environmental Impact Assessment	✓		✓	3	5	H	The designer has been notified by the principal designer or client about site-specific Environmental Impact Assessments. Design utilises equipment with characteristics that are suitable to mitigate lighting impacts in accordance with ILP guidance. Bats present 2700K warm white used along with louvred optics.	1	3	L	✓		

Client:	Eastleigh Borough Council						Document Ref:	EVO20024963-HE-001-A						
Project:	Non-Adoptable Private Parking & Footpath Lower Acre - One Horton Heath						Assessed by:	James Duffin			Date:	16/05/2024		
Hazards/Risk, Identified (Safety, Health & Environmental):	At Risk:			Assessment of Risk before Design:			Actions taken at the Design Stage, to identify site-specific Hazards/Risks, eliminate or reduce these Hazards/Risks for Construction, Maintenance, and Decommissioning of the Units, as far as reasonably practicable.			Assessment of Risk after Design:			Addendum Sheet required?	
	Install-er	Users	Environ-ment	L	S	R				L	S	RR	No	Yes (See Addendum sheet)
Legend - Major Site specific, Safety, Health and Environmental Hazards –							Risk Rating (RR) Matrix - Indicate L, M, H, or VH in box.							
Will any of the following hazards affect Enerveo staff, client's staff, general public or affect the environment?							L = Likelihood, Multiply by S = Severity, for Risk Rating (RR).							
Use "Risk Rating" (RR) matrix to assess each hazard and indicate level of risk i.e.;							1 Unlikely to be affected. 1 Minor First Aid Injury Only.							
L = 1- 4, M = 5 – 10, H = 15 - 30 or VH = 50, in space next to each hazard.							2 May be affected. 2 Hospital Treatment & Off Work.							
							3 Occasionally affected. 5 Some Disability - Long absence.							
							5 Likely to be affected. 10 Permanent Disability/Death.							
<u>Declaration:</u> I the undersigned have read and understood the hazards / risks identified in this Lighting Design Hazard Elimination and Management List.														
<u>Construction Manager (Sign):</u>						<u>(Print):</u>			<u>Date:</u> / /					