

Zero-HARM Hazard Awareness and Risk Management Register (0-HARM)						
Project Title	Carn Gwaval Nursery Extension and New Build Social Care Building	Project No.	150457	Risk Tolerability	Risk not tolerable	
Prepared by	Gareth Freathy	Checked By	Phil Roberts		Further consideration req'd	
Date	10.11.2017	Stage	4		Risk tolerable	
Risk Ref.	Relevant Hazard/ Risk Identification	Design Control Measures/Residual Risk/Drg. Ref.		Action Owner	Date Required	Completed
A - Catastrophic risks – site specific and generic						
A1	Structural Collapse	<ul style="list-style-type: none"> - Demolition works to existing building – no demolition works to take place without written confirmation from structural engineer. - Works adjacent to existing building – Principal Contractor to review method statements with structural engineer prior to commencement of works 		PC / SE	5/2/18	
A2	Fire	<ul style="list-style-type: none"> - Fire during construction – review contractor compound plans and fire strategy to ensure adequate means of escape for operatives and building occupants during construction. Principal Contractor to ensure access is available for fire-fighting appliances and personnel at all times. - Temporary fire protection to prevent fire spread to adjacent properties in construction phase, e.g. timber frame protection. 		PC	5/2/18	
A3	Wind or extreme weather	<ul style="list-style-type: none"> - Risk of extreme weather conditions on site. 		PC	5/2/18	
B - Significant risks – site specific						
B1	Noise, vibration and disturbance to neighbours	<ul style="list-style-type: none"> - Working hours restricted to minimise disturbance to building users and neighbours including existing Five Islands School. 		PC	5/2/18	
B2	Health and respiratory injuries from materials and dust	<ul style="list-style-type: none"> - Risk of unidentified asbestos containing materials (ACMs) and other contaminants in existing building. Principal Contractor to refer to Asbestos Survey and undertake new Refurbishment and Demolition Survey when building users have vacated the premises. - Minimise chasing, cutting blocks and masonry etc., unless procedures in place for dust suppression or vacuum extraction, or enclosure and extraction. - Demolitions and concrete breaking – minimise works and damping down processes. 		PC	5/2/18	
B3	Site access and construction facilities	<ul style="list-style-type: none"> - Surrounding roads and access roads to be considered for safe access and egress of staff, materials and waste. Low or weak bridges, narrow roads, overhanging trees or cables, etc. - Welfare facilities to be considered in terms of location, services, and convenience of contractors and existing users. Phasing of facilities as project progresses to be considered 		PC	5/2/18	

		<ul style="list-style-type: none"> - Materials unloading and waste storage areas to be considered - Static and mobile crane sizes, locations, weights and access to be considered in principal, away from possible vehicle impacts, and collapse on occupied premises where possible - Consider location, convenience and security of construction team vehicular parking, materials and tools storage facilities. 			
C - Significant risks – site generic					
C1	Animals vegetation, poisonous bites	<ul style="list-style-type: none"> - Consider risk of adders, hornets and wasps' nests from adjacent sites - Aggressive seagulls or other birds, particularly during nesting season - Consider bats, birds, newts and other fauna with regard to the breeding seasons and relocations - Consider poisonous or aggressive vegetation such as Japanese knotweed that can take considerable time to eradicate, or cause significant damage if ignored. Japanese knotweed has been identified on site – PC to refer to Council of the IoS for further information. 	PC / IoS	5/2/18	
E - Contamination and buried objects					
E1	Contamination	<ul style="list-style-type: none"> - Potential risk of oil contamination has been identified on site. PC to refer to pre-construction information for further guidance. 	PC	5/2/18	
F - Working Space / Working Platforms					
F1	Falls from height	<ul style="list-style-type: none"> - Design allows early installation of permanent floors, edge protection and guarding to holes and penetrations, Fixing holes for edge protection - Allow for work to be carried out at ground level or from permanent floor levels where possible 	PC	5/2/18	
H - Erecting Structures					
H1	Collapse/temporary instability	<ul style="list-style-type: none"> - Avoid designs which involve temporary instability during construction or specify erection sequence including details of temporary support measures required - Temporary props and bracing – high winds 	PC	5/2/18	
K - Cladding/ Glazing etc					
K1	Falls through fragile materials	<ul style="list-style-type: none"> - Consider fragility of existing roofs – Principal Contractor to review method statements with structural engineer prior to commencement of works 	PC / SE	5/2/18	
N - Maintenance / repairs					
N1	Falls from height	<ul style="list-style-type: none"> - Controls, valves and equipment requiring regular maintenance to be positioned at low level - Low-maintenance equipment/fittings to be installed where practicable 	M&E / Arch	1/6/18	
N2	Hazardous materials/substances	<ul style="list-style-type: none"> - Provide information on existing or unavoidable hazardous materials or substances, e.g. asbestos, lead paint 	PC / Arch	1/6/18	