



DESIGNER'S RISK REGISTER

PROJECT TITLE Heritage Restoration of Falmouth's Ponsharden Ceme
LOCATION Ponsharden, Falmouth
JOB NUMBER J20-077

DESIGN STAGE Tender
DATE 15.03.2021
VERSION 1.0

Risk Tolerable
Further Consideration Required
Risk Not Tolerable

HAZARD ASSESSMENT					RISK			CONTROL MEASURES	RESIDUAL RISK				
Hazard ID	Location	Hazard Description	Hazard Consequences	Persons/Areas at Risk	L	S	Result	Measures Taken by Designer Detail the hazard elimination or risk reduction actions	L	S	Result	Location of Mitigation Details	Designer Comments
1	Site Wide	Covid-19	Risk of illness/death and spread of Covid-19	General Public, Contractors , Volunteer Workers	3	5	Risk Not Tolerable	Principal Contractor is to ensure workers/visitors on site follow site operating procedures/COVID-19 site safety guidance set out by CITB. This provides guidance on close working, PPE , social distancing, cleaning and the continuous record keeping of staff/volunteers/visitors on site.			Futher Consideration Required	Principal Contractor to address in Construction Phase Plan and ensure mitigation measures implemented.	
2	Site Wide	Risk of falls and trips due to uneven and slippery surfaces	Risk of injury/death due to trips.	General Public, Contractors , Volunteer Workers	3	5	Risk Not Tolerable	Selection of new surface materials to be slip free and level across the site			Futher Consideration Required	Principal Contractor to address in Construction Phase Plan and ensure mitigation measures implemented.	
3	Site Boundary	North roadside bank and front wall with arched entrance to the access steps are unstable.	Risk of injury/death due to risk of falling earth/masonry on the footpath and road below.	General public	2	5	Risk Tolerable	Site boundary to Falmouth Road will need adequate protective fencing and signals to alert/divery pedestrians from high risk areas. The retaining wall requires reinforcing and cleared of loose masonry structures.			Futher Consideration Required	Principal Contractor to address in Construction Phase Plan and ensure mitigation measures implemented.	
4	Site Wide	Decayed vegetation, weeds and debris throughout the site including litter, unstable/broken structures, metal and glass.	Risk of injury/death due to risk of tripping or slipping on fallen or loose vegetation or debris.	General Public, Contractors , Volunteer Workers.	4	5	Risk Not Tolerable	Client to arrange for the site to be cleared free of overgrown vegetation and cut down to ground level ahead of Principal Contractor visiting site and the commencement of constructon work. Prinicipal Contractor to be responsible for vegetation control during construction stages.			Risk Tolerable	Principal Contractor to address in Construction Phase Plan and ensure mitigation measures implemented.	
5	Foot Path	Intrusive earth works/digging	Risk of damage and disturbance to tree roots and graves below.	Tree Roots/Graves	2	5	Risk Tolerable	No deep excavations are permitted during construction works. New footpath requires no excavation works.			Risk Tolerable	Principal Contractor to address in Construction Phase Plan and ensure mitigation measures implemented.	
6	New Temporary Access Path	Intrusive earth works/digging not permitted	Risk of damage to tree roots within TPO area.	Tree Roots	2	5	Futher Consideration Required	Refer to Specification			Risk Tolerable	Principal Contractor to address in Construction Phase Plan and ensure mitigation measures implemented.	Refer to 5001B Contractor's Compound and Site Access.pdf
7	Stone Headstones / Monuments	Repair works of stoneworks	Risk of crystalline silica dust creation and exposure	Contractors , Volunteer Workers	3	4	Risk Not Tolerable	Principal Contractor to ensure face masks are worn and works to be carried out in well ventilated areas. Items requiring complex repair works to be taken to constructors workshop.			Risk Tolerable	Principal Contractor to address in Construction Phase Plan and ensure mitigation measures implemented.	



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8	Stone Headstones / Monuments	Manual lifting of heavy stone structures and repair works	Risk musculoskeletal disorders such as back or neck problems.	Contractors , Volunteer Workers	4	5	Futher Consideration Required	Principal Contractor to organise and monitor the lifting of heavy structures with appropriate measures. Use power assisted wheelbarrow to move heavy items.			Risk Tolerable	Principal Contractor to address in Construction Phase Plan and ensure mitigation measures implemented.	
9	Iron Works/ existing joinery	Lead based paint to be used when restoring iron works and joinery.	Risk of exposure (breathing or ingesting) to lead dust or fumes from the existing lead paint and applying new lead paint to damaged areas.	Contractors , Volunteer Workers	3	5	Futher Consideration Required	Principal Contractor to ensure that workers dealing with lead paint to wear correct PPE when using lead paint. Only strip back old paint if it is flaking, chipping, giving off dust/particles or is a risk to children. If the paint is in poor condition, remove using a combination of chemical paint stripper, wet abrasive paper and on-tool extraction. If paint is in good condition, use waterproof abrasive paper to make a key for the new coat of paint. Remove any debris with a damp cloth and place any debris, cloths, abrasive paper in a plastic bag for disposal.			Risk Tolerable	Principal Contractor to address in Construction Phase Plan and ensure mitigation measures implemented.	
10	Iron Works/Stone Sockets	The use of molton lead to install the refurbished ironworks into stone sockets	Risk of exposure (breathing or ingesting) to lead dust or fumes. Risk of molton lead splashes occuring from spillages etc, a cloud of molten lead droplets, eg from a small water/molten metal explosion. A localised impact from a large eruption or explosion.	Contractors , Volunteer Workers	3	5	Futher Consideration Required	Principal Contractor to ensure correct PPE is worn by those operating with lead. Melt lead below 900F to prevent fumes from releasing. Contractor to ensure that correct hygiene and ventilation are in place and workers are made aware of H&S risks when operating molten lead.			Risk Tolerable	Principal Contractor to address in Construction Phase Plan and ensure mitigation measures implemented.	
11	Site Wide	Excavations	Risk of disturbing human remains within the graves on site	n/a	2	3	Risk Tolerable	No deep excavations are permitted during construction works.			Risk Tolerable	Principal Contractor to address in Construction Phase Plan and ensure mitigation measures implemented.	



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12	Existing Iron Works	Sharp corners to some existing ironwork including points of railing at ground level and grave surrounds.	Risk of injury from sharp objects.	General Public, Contractors , Volunteer Workers	2	4	Futher Consideration Required	Sharp corners have been grounded down to reduce hazard and risk, however caution should be taken and workers on site should wear steel cap shoes and gloves to protect from any sharp ironworks.			Risk Tolerable	Principal Contractor to address in Construction Phase Plan and ensure mitigation measures implemented.	
13	Underground Vault	3m vault beneath graves.	Risk of injury or death from falling into the deep vault.	General Public, Contractors , Volunteer Workers	1	5	Futher Consideration Required	Opening up works or deep excavations are not permitted.			Risk Tolerable	Principal Contractor to address in Construction Phase Plan and ensure mitigation measures implemented.	
14	Access Road/ Contractors Compound	Access to site is shared with Sainsburys supermarket which will be very busy throughout the day/week.	Risk of traffic incident	General Public, Contractors , Volunteer Workers	3	5	Risk Not Tolerable	Principal Contractor to arrange and manage safe traffic management operations for deliveries and movement between site and compound.			Futher Consideration Required	Principal Contractor to address in Construction Phase Plan and ensure mitigation measures implemented.	
15	Public Open Days	Falmouth Town Council plan to arrange Open Days for the general public to view the site whilst works progress	Risk of incidents occuring involving the general public on site as work is progressing	General Public			Futher Consideration Required	Client to arrange with Principal Contractor any open days and provide advanced notification of the date and time when the open day will take place. The contractor is responsible for clearing the site of any tools, hazarous materials and ensure any ground works that may cause trip hazards are sectioned off/covered up. The Principal Contractor is to provid a H&S briefing to the public and provide suitable PPE.			Risk Tolerable	Principal Contractor to address in Construction Phase Plan and ensure mitigation measures implemented.	
16	Volunteer Workers	Volunteer workers will be carrying out voluntary work on the site at the same time as Principal Contractor	Any incidents involving voluntary workers.	Volunteer Workers			Futher Consideration Required	The Principal Contractor will be responsible for the H&S of any voluntary workers on the site and provide PPE. Cleaning is to be carried out by volunteer labour. The contractor is to allow for all necessary access for volunteers and equipment, site safety briefings for volunteers, and access to site welfare facilities. The contractor is to allow for programming volunteer cleaning in conjunction with conservators operations to prevent delays to the progress of the monument conservation works.			Risk Tolerable	Principal Contractor to address in Construction Phase Plan and ensure mitigation measures implemented.	



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17	Interpretation Boards (No.3)	3 x interpretation boards to be fixed in the ground. Posistions to be agreed with Historic England.	Positioning of boards need to be agreed with Historic England to ensure no distrupction to graves below.	n/a			Futher Consideration Required	Historic England representative to be present on site when interpretation boards are being fixed in the ground to agree position and locations.			Risk Tolerable	Principal Contractor to address in Construction Phase Plan and ensure mitigation measures implemented.	Refer to J20-077-Specification For Monument Repairs and Re-Setting-2021-02-05.pdf
18	Heavy Unstable Masonry	Falling/Collasping heavy masonry	Risk of injury/death from falling or collasping masonry structures.	Contractors , Volunteer Workers	3	5	Risk Not Tolerable	Principal Contractor to ensure that heavy and unstable masonry are supported and any lifting or removal should be done safely and in compliance with the Manual Handling Operations Regulations.			Risk Tolerable	Principal Contractor to address in Construction Phase Plan and ensure mitigation measures implemented.	
19	Grave J2	Trip / Falling hazard	Risk of injury from tripping or falling due to uneven ground levels.	Contractors , Volunteer Workers, General Public	4	5	Risk Not Tolerable	Principal Contractor to ensure grave J2 is bridged with a stone slab bridge, tight against the northern boundary fence to avoid grave. Fencing to be raised in height and increased in strength to prevent falls.			Risk Tolerable	Principal Contractor to address in Construction Phase Plan and ensure mitigation measures implemented.	