

DESIGNER'S RISK
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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

HAZARD AS	SESSMENT				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 N	
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 Contr Construction F ensure mitigat 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 leve across the site	21		Futher Consideration Required	Principal Cont Construction F ensure mitigat 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 Cont Construction F ensure mitigat 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. Prinicpal Contracto to be respsonsible for vegetation control during construction stages.	pr		Risk Tolerable	Principal Cont Construction F ensure mitigat 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 Cont Construction F ensure mitigat 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 Cont Construction F ensure mitigat implemented.	
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 constractors workshop.			Risk Tolerable	Principal Cont Construction F ensure mitigat implemented.	

### Further Consideration Required Risk Not Tolerable

f Mitigation Details	Designer Comments
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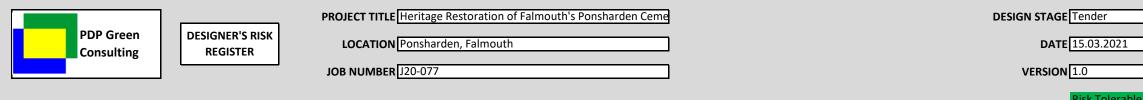
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8	Stone Headstones / Monuments	Manual lifting of heavy stone structures and repair works	Risk musculoskeletal disorders such as back or neck problems.	Contractors , Volunteer Workers	4	5	Futher Consideration Required	Principal Contractor to organise and monitor the lifting o heavy structures with appropriate measures. Use power assisted wheelbarrow to move heavy items.	-		Risk Tolerable	Principal Contr Construction P ensure mitigat 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 of dust/particles or is a risk to children. If the paint is in poo 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.	r		Risk Tolerable	Principal Contr Construction P ensure mitigat 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 hygienne and ventilation are in place and workers are made aware of H&S risks when operating molten lead			Risk Tolerable	Principal Contr Construction P ensure mitigat 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 Contr Construction P ensure mitigat implemented.		

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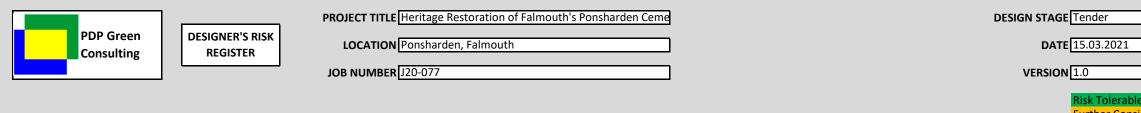


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12	Existing Iron Works	Sharp corners to some existing ironwork including points of railinging at ground level and grave surrounds.	Risk of injury from sharp objects.	General Public, Contractors , Volunteer Workers	2	4	Futher Consideration Required	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 Contr Construction P ensure mitigat 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 Contr Construction P ensure mitigat implemented.
14	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 Conti Construction P ensure mitigat implemented.
15		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 Contr Construction P ensure mitigat implemented.
16		Volunteer workers will be carying out voluntary work on the site at the same time as Principal Contractor		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 Contr Construction P ensure mitigat implemented.

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17	Interpretation Boards (No.3)	with Historic England.	•	n/a				Historic England representative to be present on site when interpretation boards are being fixed in the ground to agree position and locations.			Risk Tolerable	Construction Phase Plan and	Refer to J20-077-Specification For Monument Repairs and Re-Setting-2021-02 05.pdf
18	Heavy Unstable Masonry	masonry	Risk of injury/death from falling or collasping masonry structures.	Contractors , Volunteer Workers	3	5		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			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.	

## Further Consideration Required Risk Not Tolerable