

OJ Building Contractors

Risk Assessment

External building work on Fernfield Dinas Baglan		Risk assessment reference number: Risk assessment created on: Review date due:		
Persons undertaking or affected by the activity				
☒ Employees ☐ Contractor ☒ Public ☒ Service User ☐ Other _____				
Hazard	Control measure	Likelihood 1. Very Unlikely 2. Unlikely 3. Likely 4. Very Likely 5. Certainty	Severity 1. Negligible 2. Minor 3. Medical Treatment 4. Major 5. Fatal	Risk Level <i>Likelihood x Severity = Risk Level</i>
Disruption of public road/walkway (single track road)	To limit the disruption, I'll be working in areas of 3-5 meters and moving along the wall. There will be a groundworker from my team on the road to ensure that traffic can move past taking out any issues of blind spots. The area will be coned off and visible to anyone passing.	5	1	5Y
Building materials obstructing road/pathway	There will be no materials, left out overnight and everything will be within the 3-5 meters of area that we are working. A groundworker will be always present ensuring that the road and pathway is kept clearer, also any assistant needed by members of the public.	2	1	2
Machinery, equipment obstructing road/pathway	When I will have machinery and trailer on site to move excess materials taken out of the ground. There will be always a ground worker watching and supporting the machinery to ensure that members of the public are safe around the machinery. The groundworker will always assist the driver, machinery will not be left unoccupied and put away each night.	5	1	5Y
Work being undertaken.	Please see work methodology attached,	2	2	4

Disruption and inconvenience to neighbours	All residents will be given notice before hand, explaining what I am why I am undertaking the work and the time scale. I will also have a member of ground worker who will be able to help traffic along and support anyone who needs assistance. I am going to do this within 6 days (1 week) to limit disruption and inconvenience.	5	1	2																																				
Personal Protective Equipment																																								
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Additional risk information																																								
In the event of an incident/accident, please contact your nearest first aider. All incidents/accidents will be recorded. Suitable information, instruction and training on how to use, store and maintain Personal Protective Equipment (PPE) correctly to be provided (CSCS Card) All staff to have regard for their and others health and safety at all times.																																								
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Risk assessments must be reviewed as a result of change in working practices / legislation or following an incident / accident											
Reviews		Key									
Review date :		Likelihood	Severity		Likelihood of Injury	5	5Y	10R	15	20	25
Reviewed by:		1. Very Unlikely - This will probably never happen/occur 2. Unlikely - Do not expect it to happen/recur but it is possible it may do so 3. Likely - Might happen or recur occasionally 4. Very Likely - Will probably happen/recur, but it is not a persisting issue/circumstance 5. Certainty - Will undoubtedly happen/recur, possibly frequently	1. Negligible - Minor injuries or discomfort. No medical treatment or measurable physical effects. 2. Minor - Injuries or illness requiring on site first aid. Temporary impairment. 3. Medical Treatment - Injuries or illness requiring hospital treatment. 4. Major - Injury or illness resulting in permanent impairment. 5. Fatal - Fatality.	4		4	8	12	16	20	
Review date :				3		3	6G	9	12	15	
Reviewed by:				2		2	4	6Y	8	10Y	
Review date :				1		1	2	3	4	5G	
Reviewed by:				0		1	2	3	4	5	
Review date :				Severity of Injury							
Reviewed by:						Low Risk		Medium Risk		High Risk	

Methodology

- Excavation works, 3.5 ton machine , tractor and 8 ton trailer removing earthworks from site ,
- Ground was prepared and wacked (using a wacker plate), laying 150 mm of type 1 subbase to a depth of 50mm below existing tarmac level
- Gabion baskets 1mt x1mt wired into place, stacked 2 high , filled with dressed blue pendant front of baskets , with block and brick hard-core filled behind , teram membrane at rear of baskets with an in fill of 20mm clean stone .
- All working areas were always cordoned off with orange fencing and shepherd hooks

Tools needed

- Hammer, wacker plate, bolster, pick, shovel, brush, tying wire nip, Retaining walls, blockwork

Excavation as above

- Foundations, 1.2mts wide with a min of 250mm stepped concrete with 2 layers of a393 reinforcing mesh.
- Concrete was poured into trench by means of a concrete wagon.
- All areas dug out and concreted were cordoned off with orange plastic mesh fencing and shepherd hooks.
Reconstruction of retaining block walls, 4inch concrete blocks were delivered to site by a local builders' merchants and hiab off onto existing footing not to obstruct any movement of access.
- 450mm Blockwork wall with min 125mm cavity and 225 front wall,
- A393 mesh tied at 200mm centres to L shape bars from the mat of the foundation in cavity, with a 4 to 1 concrete mix filling the cavity.
Sand/cement mix for blockwork was a 4 to 1 mix.
Weep holes were fitted at every 1.2mtr, with polythene up against rear of wall and 20mm clean stone and teram.