

Risk Assessment Form



Project		Diana Borehole No. 2 Water Distribution							
Activity		Excavations and trenching		Location		Kensington Gardens and Hyde Park			
Prepared by MW								Date 20.10.15	
Item	Facet of activity	Hazard (Description)	No. of Persons at Risk	When?	Risk Severity L-M-H	Risk Likelihood L-M-H	No. of people potentially affected	Risk Reduction Measures	Final Risk Class
1	General site activities, including persons inspecting and working on site	All general hazards to health shown below	6	Continuous	M	L	4	Only persons authorised by Site H&S manager to be permitted on site. All persons must have a reasonable degree of physical and mental health and wear Hi-Vis vests and hard hats, and all workers must wear steel toe boots. Site Induction to be undertaken by Site Manager prior to anyone accessing the site, including visitors. Only authorised and certified personnel to be permitted near plant.	L
2	Off-loading /Loading of plant from transport at site	Reversing/ rolling over	4	Start/completion	H	L	3	No vehicle to be loaded/ offloaded without a banksman or loader driver being present who shall stay clear of the manoeuvre. Loading/offloading to take place on level ground clear of any works. Reversing to be minimised and only with a banksman present.	L

3	Erection of Heras fencing	Falling of panels and stabilisers causing twisted fingers and crushing injuries	4	Start/completion	L	L	3	PPE to be worn including hard hat, steel toe-caps & appropriate gloves	L
4	Excavation	Rolling over, sliding	4	Continuous throughout construction	L	L	3	Operators to be sufficiently trained and able with the excavation plant being used.	L
5	Movement of Dump trucks	Rolling over, sliding, inverting	4	Continuous throughout construction	M	L	3	Operators to be sufficiently trained and able with the excavation plant being used. Particular care to be taken to drive directly up slopes rather than across them. Only trained personnel to operate.	L
6	Loading of Dump Trucks	Damage to cab by excavator	1	Continuous throughout construction	M	L	1	Loading only to occur from rear or side	L
7	Dozers, compactors	Rolling over, sliding, inverting	4	Continuous throughout construction	M	L	3	Small compacting machinery (especially) to be operated under care on near level ground only. Driving across slopes to be avoided. Only trained personnel to operate.	L
8	Reversing Plant	Crushing, rolling over	4	Continuous throughout construction	H	L	2	Reversing to be kept to an absolute minimum. Construction methodology to be explained & understood by all on site. Mirrors to be used and reversing cameras operated where possible. No unexpected reversing to be undertaken.	M

9	Adverse weather	Rolling over, sliding, inverting	4	Continuous throughout construction	L	L	1	No work to take place under very wet weather conditions	L
10	Overhead services	Danger of electrocution and service damage	4	Continuous throughout construction	L	L	2	H&S Plan to include all information of nearby overhead services. Goal posts to be erected where necessary.	L
11	Buried services	Danger of electrocution and service damage	4	Continuous throughout construction	L	L	2	H&S Plan to include all info of nearby buried services. Search by CAT & Genny & hand-dig-only instructions.	L
12	Refuelling	Risk to health caused by diesel spillage	2	Continuous throughout construction	L	L	2	No Smoking. Designated and trained staff only to refuel. PPE to be worn. Bunded fuel bowser to be operated by trained person wearing appropriate PPE. Dump Trucks are to be driven strictly within the site speed limit.	L
13	Airborne Dust	Inhalation and eye damage	4	Continuous	L	L	3	If dust is found to be a health or environmental issue, a bowser with sprayers shall be used for damping down. This shall be supplied by the Client on request.	L

14	Walking on the site	Trips and falls	4	Continuous throughout construction	L	L	3	Staff to be made aware of dangers, particularly slopes. During out-of-work hours, steep excavations to be separately fenced off within the compound. All persons on site to wear hard hats, hi-vis vests and steel-toe boots.	L
15	Noise & Vibration	Hearing damage and vibration effects	4	Continuous throughout construction	L	L	3	All plant to be correctly serviced and appropriate PPE to be worn which may include ear-defenders.	L
16	Trenching & moling	Falling. Collapsing trenches, damage to services	4	Continuous	L	L	2	A banksman to be used at all times. No trenches to be deeper than 1.1m. Open trenches to be covered or fenced off over-night with secure Heras fence.	L
17	Chamber Installation (deeper than 1.2m)	Falling, confined spaces	4	Continuous	H	L	1	Confined spaces processes to be followed by trained personnel at all times	L
18	Three phase power	Electrical shocks	2	Installation	H	L	2	Only qualified personnel to engage with electrical power	L
19	Welding	Electrical shocks & burns	2	Installation	M	L	2	Only qualified personnel to weld	L