Site: **30 TRENCHARD DRIVE, WOODHOUSE PARK, WYTHENSHAWE, MANCHESTER, M22 5NA**

Client: **PLP CONSTRUCTION LTD**

Date of Works: **WEEK COMMENCING TBC 00/00/00**

Probability (P)		Severity (S)		Significance (P x S)	
1 = Highly Improbable	4 = Probable	1 = Insignificant	4 = Major Injury	1 to 4	Risk is tolerable
2 = Improbable	5 = Highly Probable	2 = Minor Injury	5 = Catastrophic Event	5 to 10	Stop and consider controls
3 = Possible		3 = Lost Time Injury		11 to 25	Risk is unacceptable

Health and Safety : ENVIRONMENTAL HAZARD RISK ASSESSMENT

Description of work to be assessed: SITE EXCAVATION

Hazard	Harm	Risk			Mitigation	New Risk		
		Probability (P)	Severity (S)	Significance (PxS)		New Probability (P)	New Severity (S)	New Significance (PxS)
Unloading of equipment and/or movement in area with site traffic	Accident causing serious injury or death	**2**	**4**	**8**	JKC to be briefed/inducted on site by Client as regards relevant site specific information on traffic movement. Access route to infestation/s are to be agreed with Client on sites with other contractors present. Heras fencing to be provided by Client as required and installed by JKC to secure area of site works. Operatives will maintain awareness of traffic movements. Operatives to supervise plant/wagon entry and egress onto site works area. High visibility clothing to be worn at all times.	**1**	**4**	**4**
Excavation – Use of Machinery	Accident causing serious injury or death	**4**	**4**	**16**	All operatives to wear correct PPE and Hi-Vis at all times. Only designated operatives to use plant and machines. Operatives to be aware of potential for debris falling from machines and to maintain a safe working distance.	**2**	**4**	**8**
Excavation - Live Services	Potential contact with drain, gas / water pipe and electricity cables	**3**	**4**	**12**	Staff will not interfere with services on site. Work will be planned so as to avoid contact with or damage to services. Extreme caution will be taken when working in the vicinity of any pipes. Work areas to be scanned with **Cable Avoidance Tool** prior to excavation. Underground services map to be consulted prior to excavation. All operatives to observe for underground services throughout excavation.	**2**	**3**	**6**
Excavation – Danger of Collapsing Trench	Accident causing serious injury or death	**4**	**4**	**16**	Supervising JKC operative and plant operative to ensure sides of excavated holes are battered to 1:1 ratio from 1m depth.	**1**	**4**	**4**

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Excavation - Soil Containing Hazardous Waste	Spoilage of soil whilst transferring from excavation area to spoilage removal vehicle	**4**	**3**	**12**	Drive to be aware of spoilage type and to ensure all removal is completed using good practice and using due care and attention.	**2**	**3**	**6**
Excavation - Overhead Services/Obstructions	Potential contact with overhead services or obstructions	**3**	**4**	**12**	Overhead hazards will be identified and avoided during any work on site. Head protection will be worn throughout the site regardless of where there is a risk of contact with an overhead obstruction, or item falling from above.	**2**	**4**	**8**
Excavation - Vehicle Cleaning Process	Potential harm to person/s and cross-contamination of the surrounding areas	**4**	**4**	**16**	The cleaning of machinery should be completed in a designated area identified within a managed location on-site. This is to reduce the risk of cross contamination. The machinery should be switched-off prior to any cleaning commencing. The correct tools and PPE must be used/worn during the cleaning process.	**2**	**4**	**8**
Manual Handling of Root Barrier Membrane Installation	Incorrect handling and use of tools to fit and install	**3**	**3**	**9**	Ensure manual handling guidelines are followed at all times when moving, manoeuvring and fitting the root barrier membrane. H&S guidelines for the handling of tools must be used to ensure the risk of harm is significantly reduce.	**2**	**2**	**4**
Working in Areas Containing Hazardous Waste	Contact with these materials both physical and airborne may be harmful to immediate heath	**4**	**4**	**16**	If hazardous waste is identified from soil analysis or physical presence, the main contractor must take responsibility for any activities on-site or within the area. No works can take place until the correct processes have been agreed and evidence put in place to either restrict or protect operative from harm (i.e. RAMS, PPE.etc.)	**2**	**3**	**6**
General Site Risks	Potential for Injury	**3**	**3**	**9**	Staff will complete or receive method statements and risk assessments prior to their first visit to site. Carry out re-evaluation of risks if circumstances are different to what is expected. Stop and resolve any arising issues not covered within RAMS before starting works.	**2**	**3**	**6**

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Health and Safety : ENVIRONMENTAL HAZARD RISK ASSESSMENT

Description of work to be assessed: SITE EXCAVATION

Hazard	Harm	Risk			Mitigation	New Risk		
		Probability (P)	Severity (S)	Significance (PxS)		New Probability (P)	New Severity (S)	New Significance (PxS)
Work Next to Water	Potential for drowning/ exposure	**3**	**3**	**9**	Work next to water will be avoided where possible. Where edge assessments are required, personnel will work in pairs and make themselves familiar with the area and take time to reduce trip hazards. Staff will wear safety footwear and flotation devices, and ensure there is sufficient light for the tasks being undertaken. Lone working near water is not permitted.	**2**	**3**	**6**
Inclement weather	Inclement weather may represent a greater hazard if a high level of PPE is required e.g. Chemical Protection and heat stress	**3**	**4**	**12**	Monitor weather conditions, and changes to weather during work. In inclement weather a review of the tasks and procedures will be made, and if necessary work will be stopped and advice sought from the main contractor prior to re-commencing activities.	**1**	**4**	**4**
Slips, Trips and Falls	Potential for personnel to slip, trip or fall on site	**3**	**4**	**12**	Before starting work, personnel will make themselves familiar with the area and take time to reduce trip hazards if possible. Staff will wear safety footwear when on site. Ensure there is sufficient light for the tasks being undertaken. When using stairs hold the handrail. Where possible, uneven ground will be avoided to minimise the potential for slips, trips and falls. Avoid stepping on debris, loose sheets on the ground or manhole covers – step on solid surfaces that you can see are sound. Do not undertake tasks whilst walking; e.g. note taking / talking on mobile phone. Always stop in a place of safety to perform tasks.	**2**	**4**	**8**
Biological Hazards	Potential to be exposed to diseases, insects, animals and other biological hazards	**3**	**4**	**12**	All cuts and grazes will be covered with a suitable dressing before going on site. Always wash face and hands before drinking or eating. Do not attempt to manually clear debris or items at ground level or in vegetation with hands - keep hands / arms away from areas where needles may be present. Body will be covered as much as possible (long sleeves/ trousers/ gloves) and insect repellents used to reduce potential for bites. Staff will remain vigilant for dogs and other animals in the work area.	**2**	**4**	**8**

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Inclement weather	Inclement weather may represent a greater hazard if a high level of PPE is required e.g. Chemical Protection and heat stress	**3**	**4**	**12**	Monitor weather conditions, and changes to weather during work. In inclement weather a review of the tasks and procedures will be made, and if necessary work will be stopped and advice sought from the main contractor prior to re-commencing activities.	**1**	**4**	**4**
Lone Working	Potential for personnel to have an accident whilst working alone	**3**	**4**	**12**	Avoid lone working if possible. If this is essential, Inform other site staff or main office as to where you will be, what you will be doing and when you expect to finish. Always report back after completing the task. Ensure the task is suitable for lone working e.g. does not require heavy lifting. Never work alone near water or at height. Care will be taken when travelling outside of normal working hours.	**2**	**4**	**8**
Personal Security	Potential for theft, aggression	**3**	**3**	**9**	Avoid carrying valuable items. Keep mobile phones, cameras etc., out of general sight when not in use. Report incidences of strangers entering the site to security or the client. If you feel threatened, leave site, retreat to a safe place and telephone the project manager. Report suspicious activities to the police. Avoid capturing the general public in photographs.	**1**	**3**	**3**
AUTHOR NAME & SIGNATURE:	**ROB GIBBS**							
DATE PRODUCED:	**26/10/2018**							