

# USSL Risk Assessment

| Risk Assessment No                                                              |                                                   | 64                                                                                                                                                                                                            | Activity                                |   | Banksman. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Locations                                                                |   | Site Works    |                 |
|---------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|---|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|---|---------------|-----------------|
| Assessment Undertaken by                                                        |                                                   | M. Watson                                                                                                                                                                                                     | Assessment Date                         |   | Jun-17    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Review Date                                                              |   | 1/6/18        |                 |
| Risk Ratings                                                                    |                                                   |                                                                                                                                                                                                               |                                         |   |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                          |   |               |                 |
| Persons at risk (PAR)                                                           |                                                   |                                                                                                                                                                                                               | Severity / Harm Rating (S)              |   |           | Likelihood (L)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                          |   |               |                 |
| E                                                                               | Employees / Contractors                           | 1                                                                                                                                                                                                             | Negligible injury or no injury          |   |           | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Extremely unlikely to occur at any time                                  |   |               |                 |
| P                                                                               | Members of Public                                 | 2                                                                                                                                                                                                             | Minor injury requiring First Aid        |   |           | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | A rare combination of factors would be required for an incident to occur |   |               |                 |
| V                                                                               | Visitors                                          | 3                                                                                                                                                                                                             | Lost time injury                        |   |           | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Could happen, but considered unlikely under normal circumstances         |   |               |                 |
| C                                                                               | Clients                                           | 4                                                                                                                                                                                                             | Single serious injury or single death   |   |           | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Not certain, but an additional factor may result in an incident          |   |               |                 |
|                                                                                 |                                                   | 5                                                                                                                                                                                                             | Multiple deaths and or serious injuries |   |           | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Almost inevitable that an incident will result - Highly likely to occur  |   |               |                 |
| Tolerance rating                                                                |                                                   |                                                                                                                                                                                                               |                                         |   |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                          |   |               |                 |
| 15 - 25                                                                         |                                                   | DANGER - Task/activity should not proceed. Further control measures are to be put in place to reduce risk. When in place the level of risk should be re-assessed for adequacy before the work recommences.    |                                         |   |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                          |   |               |                 |
| 7 - 14                                                                          |                                                   | SIGNIFICANT RISK is attached to this task/activity. Look critically at ways of reducing the level of risk to a more tolerable level by improving existing control measures or introducing new controls.       |                                         |   |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                          |   |               |                 |
| 1 - 6                                                                           |                                                   | TOLERABLE RISK - Consider if risk is "as low as reasonably practicable", If not try to reduce risk further by improving control measures. Keep under review and continue with task/activity, but with caution |                                         |   |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                          |   |               |                 |
| NB. Full PPE will be utilised as a matter of course during any works undertaken |                                                   |                                                                                                                                                                                                               |                                         |   |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                          |   |               |                 |
| Initial Assessment No controls                                                  |                                                   |                                                                                                                                                                                                               |                                         |   |           | Risk Mitigation Measures                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                          |   |               |                 |
| Item No                                                                         | Hazard Identification                             | PAR                                                                                                                                                                                                           | S                                       | L | Score     | Control Measures                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | S                                                                        | L | Revised Score | Risk Acceptable |
| 1                                                                               | Contact with Pedestrians/Vehicles                 | E,P,V,C                                                                                                                                                                                                       | 4                                       | 5 | 20        | Don high-visibility clothing (correct type for speed of road).<br>Sign and Guard the site in compliance with Chapter 8.<br>Read and implement the control measures detailed in Method Statement & Risk Assessment 06 'Signing and Guarding'.<br>Ensure that the flashing beacon is in operation well in advance of entering the site, when leaving the site and at all times during operations on site.<br>Park the vehicle safely within the working space.<br>DO NOT allow members of the public to walk under suspended loads.<br>DO NOT carry out lifting operations adjacent to schools during start/home times.<br>Always ensure that a banksman is available and in view at all times in order to give signals when manoeuvring the vehicle, particularly when reversing.<br>The driver of the vehicle MUST NOT attempt to carry out any difficult/reverse manoeuvres without the aid of a banksman.<br>Ensure that the spoil is deposited directly into the body, in order to prevent spillage over the sides of the body onto pedestrianised /carriageway areas, when depositing spoil in the body of the vehicle with the use of HIAB loader.                                | 4                                                                        | 2 | 8             | Yes             |
| 2                                                                               | Untrained Personnel.                              | E,C                                                                                                                                                                                                           | 4                                       | 4 | 16        | Only fully trained, competent and authorised banksman, with appropriate high-visibility equipment and using agreed hand signals will be allowed to act as the banksman. The banksman should plan and supervise the operation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 4                                                                        | 1 | 4             | Yes             |
| 3                                                                               | Reversing                                         | E,P,V,C                                                                                                                                                                                                       | 4                                       | 4 | 16        | Avoid reversing so far as possible.<br>Ensure a qualified banksman is present to supervise any reversing operation.<br>Pedestrians must be kept away from reversing area.<br>Reversing should only take place where there is enough light for drivers and pedestrians to clearly see what is happening.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 4                                                                        | 1 | 4             | Yes             |
| 4                                                                               | Operatives/ Pedestrians being struck by Materials | E,P,V,C                                                                                                                                                                                                       | 4                                       | 4 | 16        | All loads need to be secured to prevent any part slipping or falling from the vehicle.<br>The Boom should be correctly secured once the loading/unloading has been completed.<br>Personnel not involved in the lifting operation must be excluded from the area beneath the boom and the load.<br>All operatives must wear the required PPE, Hi-Vis, safety boots, hard hats, as a minimum.<br>A load must never be left suspended and unattended, persons must stay clear of any raised load.<br>Ensure lifting accessories have the current certificate and testing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 4                                                                        | 1 | 4             | Yes             |
| 5                                                                               | Fall from the vehicle                             | E                                                                                                                                                                                                             | 4                                       | 4 | 16        | Vehicles should be parked on firm level ground.<br>Vehicles should be parked in such away as they do not cause a hazard to other road users, beacons need to be in operation during loading/unloading.<br>Access and Egress from the vehicle should be via a well constructed ladder fixed to the vehicle and installed by the manufacture.<br>Vehicle steps and the working platform should be made of slip resistant material.<br>NO unauthorised persons are allowed to access the vehicle.<br>Rungs and steps should be level and give plenty of foothold/foothold.<br>Steps and the working platform should have sound hand rails and guard rails.<br>NO one should jump from or onto the vehicle.<br>Access into the main body of the vehicle should be avoided.                                                                                                                                                                                                                                                                                                                                                                                                                 | 4                                                                        | 2 | 8             | Yes             |
| 6                                                                               | Parking                                           | E                                                                                                                                                                                                             | 4                                       | 3 | 12        | Vehicles need to be parked in a clear and safe area.<br>Beacons need to be in use at all times.<br>Vehicles engines must not be left running.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 4                                                                        | 1 | 4             | Yes             |
| 7                                                                               | Overhead Power Lines                              | E                                                                                                                                                                                                             | 4                                       | 4 | 16        | No part of the HIAB should be allowed within i) 15 metres of lines suspended from steel towers, ii) 9 metres from lines suspended from wooden poles. You must consult your Supervisor and the Company Health & Safety Manager before operating any plant in close proximity to overhead power lines.<br>If work requires the HIAB or other equipment to work closer than stated above, the power must be isolated/re-routed and a permit-to-work obtained from the electricity supplier.<br>If the power can not be isolated or re-routed, stop work and advise your supervisor.<br>All operations in close proximity must comply with GS6 'Avoiding Danger from Overhead Electric Lines'.<br>Outriggers to be extended at all times during loading/unloading.<br>An interlocking system must be fitted (or equivalent engineering solution) to prevent operation without stabilisers being extended.<br>Ground conditions must be assessed prior to loading and unloading, checking for drains, service ducts, cellars etc.<br>Ensure grab is not overloaded, especially if the boom is being used at maximum out reach.<br>Always check that the machine is stable before operating. | 4                                                                        | 1 | 4             | Yes             |
| 8                                                                               | Overturning.                                      | E                                                                                                                                                                                                             | 4                                       | 3 | 12        | Avoid hazardous manual handling operations so far as reasonably practicable.<br>Carry out suitable and sufficient risk assessment.<br>All staff to receive manual handling training.<br>Heavy Equipment to be carried by a minimum of 2 people.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 4                                                                        | 1 | 4             | Yes             |
| 9                                                                               | Manual Handling                                   | E                                                                                                                                                                                                             | 3                                       | 4 | 12        | Areas to be kept clear and tidy, material should be stored in designated area.<br>Excavations need to be guarded and signed.<br>Any used or unwanted materials needs to be discarded in the appropriate skips ready for removal.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3                                                                        | 2 | 6             | Yes             |
| 10                                                                              | Slips, Trips and Falls.                           | E                                                                                                                                                                                                             | 3                                       | 4 | 12        | HIAB to be thoroughly examined by a competent person every 12 months and records kept.<br>Any associated lifting chains, slings, straps and eye bolts to be thoroughly examined every 6 months by a competent person and records kept.<br>DO NOT use defective equipment, report any defective equipment immediately to your supervisor.<br>HIAB and associated lifting equipment MUST be visually inspected once per week. Results of the inspection MUST not be entered into the LOLER Register.<br>Operatives should be encouraged to report incidents and concerns and appropriate action should be taken where reports are made.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 4                                                                        | 1 | 4             | Yes             |
| 11                                                                              | Defective Equipment.                              | E                                                                                                                                                                                                             | 4                                       | 4 | 16        | All moving parts and mechanisms should be properly and secured guarded.<br>Warning signs should be in place to warn about moving parts and mechanisms.<br>Segregate pedestrians from loading/unloading operation<br>Supervision needs to be in place to prevent inquisitive people especially children getting too close or underneath the vehicle.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 4                                                                        | 1 | 4             | Yes             |
| 12                                                                              | Entrapment                                        | E                                                                                                                                                                                                             | 4                                       | 4 | 16        | Loading/Unloading should be off the road and pavement well away from members of the public.<br>Loading and Unloading over the pavement should be avoided.<br>Delivery drivers should try and park their vehicles so that the side of the delivery vehicle with the easiest access load is towards the workplace.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 4                                                                        | 2 | 8             | Yes             |
| 13                                                                              | Loading/Unloading                                 | E                                                                                                                                                                                                             | 4                                       | 4 | 16        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 4                                                                        | 2 | 8             | Yes             |