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## **HEALTH + SAFETY METHOD STATEMENT AND RISK ASSESSMENT FOR A CONTRACT LIFT**

### THIS METHOD STATEMENT COVERS THE FOLLOWING WORKS

|                                                            |
|------------------------------------------------------------|
| Steels offloaded from transport and lifted onto padstones. |
|------------------------------------------------------------|

|                               |                                             |
|-------------------------------|---------------------------------------------|
| CLIENT:                       | Howard Keast                                |
| SITE / ADDRESS:               | 1 Oldham Road, Rochdale OL16 1UA.           |
| PROJECT / NO                  | CCH210125                                   |
| PROPOSED DATE(S) TIMES:       | TBA                                         |
| DATE AND TIME OF ASSESSMENT:  | 20.01.25.                                   |
| OFFICE CONTACT: Number:       | Howard Keast 07504 482 336                  |
| SITE CONTACT: Number:         | As above                                    |
| PREPARED BY APPOINTED PERSON: | Mark Campbell CPCS 1108689 AP 07807 055 921 |
| SIGNED BY AUTHOR:             | MRC                                         |
| DATE:                         | 21.01.25.                                   |

### **Details of the Crane**

|                    |                        |
|--------------------|------------------------|
| Make and model:    | Bocker AK44            |
| Capacity:          | 15t                    |
| Jib Length:        | 22m                    |
| Outrigger Spread:  | 6m x 6m (7m with mats) |
| Counterweight:     | As travels             |
| Weight of crane:   | 15t                    |
| Fly Jib Required:  | Standard               |
| Mat Size Required: | 1m x 1m x 60           |

|                   |                                   |              |
|-------------------|-----------------------------------|--------------|
|                   | <b><u>LIFT CLASSIFICATION</u></b> |              |
| BASIC LIFT        | STANDARD LIFT                     | COMPLEX LIFT |
| <b><u>YES</u></b> |                                   |              |

## Introduction

It is the aim of this Method Statement to define and describe the equipment and safe procedures which are to be employed by Campbell's Crane Hire Ltd to carry out lifting operations in accordance with the following:

LEGISLATION: Health and Safety at work act 1974, Lifting Operations and Lifting Equipment Regulations 1998 (LOLER), Provision and Use of Work Equipment Regulations (PUWER) 1998, Control of Substances Hazardous to Health Regulations 1994, Manual Handling Operations Regulations 1992. APPROVED CODE OF PRACTISE: BS7121 Safe Use of Cranes part 1 - General 1998, BS7121 Safe Use of Cranes part 3 - Mobile Cranes 2000. OTHER: CPA Standard Terms and Conditions for a contract for the Lifting and Movement of goods involving Crane Operation.

This Method Statement is part of a safe system of work as required by the Health and Safety at Work Act (section 2.2) and the Management of Health and Safety at Work Regulations 1999 (regulation 3).

All work on this project will be carried out in accordance with Health, Safety and Environmental Legislation, the company Health, Safety and Environmental Policies and any relevant Risk Assessments and COSHH Assessments (see below).

All works carried out on this site will address any relevant project specific hazards and Health and Safety rules contained in the CDM Health and Safety plan.

All employees and contractors are expected to read, understand, and always comply with this Method Statement while working on this project - failure to do so may result in disciplinary action and/or removal from site. A copy of this Method Statement will be held on site and will be available for inspection by anyone working for the company, employees of the Principal Contractor including their Health, Safety and Environmental Advisor/s, as well as members of the enforcing authorities. If substantial changes are required, then these are to be carried out by the person responsible within the company and a new Method Statement issued to all affected by it.

## Client to Provide

Safe access and traffic management for the delivery of the crane, support vehicles and personnel. Other site activities should not impede the access routes and working area of the crane etc.

Client to provide means of access to height for slinging and banking.

Provide comprehensive and accurate details of weight and dimensions of all items to be lifted.

Provide relevant information relating to the load and its lifting attachments, and the site ground conditions.

If the work is to be carried out in darkness the client will provide suitable lighting.

Provide a site-specific safety induction for all personnel involved in the lift.

Provide welfare facilities.

Provide adequate lifting points on each section to be lifted and provide adequate tailing points if required. Suitable firm, level ground to enable the crane and its support vehicles to travel and safely set up in position.

A clear level hard standing area for the crane capable of withstanding the anticipated outrigger loads to be imposed as detailed in this method statement.

Their site Risk Assessment document which identifies any hazards (environmental or other) that may be present within the works area.

All information necessary relating to ground conditions. Confirmation of the location of any underground services and vaults / voids in the agreed crane position (s). This is in accordance with BS7121 (part1).

Personnel required to carry out mechanical installation / removal of the equipment being lifted.

Provide an assessment of the site in accordance with The Control of Substances Hazardous to Health Regulations 1999 (COSHH). Any substances or conditions hazardous to health must be identified in time for suitable precautions to be arranged.

## **Site Inductions**

All operatives will attend any site inductions and/or toolbox talks carried out by the Principal Contractor.

## **Work Area**

The work area to be clearly always identified and kept safe for Company operatives and anyone else entering the area. If necessary, this area is to be clearly identified using signs, barriers etc.

## **Health Hazards**

All operatives are to be fully conversant with any hazardous substances/materials they are to use on this project and the necessary controls to be followed to avoid exposure to any health risk.

Any existing hazardous substances on the site to be identified by the Principal Contractor and appropriate details provided. These to include details of health hazards and their associated risks (what they are, who might be affected and the precautions to be taken). This to include asbestos, chemicals, ground contamination, fumes etc. Any controls detailed in these are to be complied with where appropriate.

## **Safety Hazards**

All Safety Hazards associated with these works to be covered by a Risk Assessment. All operatives to read understand and comply with the requirements of these Risk Assessments.

## **Environmental Aspects**

Any activities that have the potential to harm the environment will be controlled. This to include storage of fuel and chemicals (see below), control of waste (see below), nuisance noise, mud on public highway, dust pollution of watercourses etc.

## **Safety of Third Parties**

All works to be planned and carried out as to avoid risk or injury to members of the public passing near the site and employees of other organizations working on the project. Where other contractors are working in the same area, then the activities will be coordinated to avoid risk to those other contractors.

## **Monitoring Arrangements**

The day to day on site monitoring of the implementation of this Method Statement will be the responsibility of the Supervisor (see below). Any breaches will be addressed as appropriate. Any Health, Safety and Environmental Issues identified following formal site inspections will be addressed in conjunction with the Principal Contractor where appropriate.

## **Safety Procedures**

Any operative that considers that an operation cannot be carried out without un-due risk to either him or others will report his concerns to his supervisor for any necessary measures to be implemented prior to work continuing. All operatives will be made aware of the content of this Method Statement and associated Risk Assessments prior to commencing and specific operation. Any divergence from this Method Statement will be authorized by the Site Manager and will be recorded prior to any work commencing. Additionally, the operatives affected by the alteration will be informed accordingly of these changes.

## **Weather Conditions**

The maximum wind speed operations can take place is 20mph. Note that local conditions and safety of personnel may indicate that the Crane Supervisor and Crane Operator (s) must stop lifting operations at a lower wind speed than specified above. Lifting operations must stop during storms, or when there is a risk of lightning strikes.

## Sequence of works

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Upon arrival on site the Crane Operator will sign in at the site office and report to the Client. Induction given.                                                                                                                                                                                                                                                                                                                                                                                                 |
| AP / Lift Supervisor to check all documentation and complete toolbox talk. All personnel to be fully briefed by Client on safety measures.                                                                                                                                                                                                                                                                                                                                                                         |
| All personnel to hold current up-to-date CPCS Card. Permits to work issued.                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| The operator will proceed to the lifting area where the crane is to set up guided by the banksman.                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Crane drivers will extend outriggers. Nylon rigger pads will be placed under each out-rigger to spread the weight of the load on the ground. Jacks will be deployed lifting the crane off the ground into a level position. (Note this should be on hard standing ground supplied by the client). For the crane to be set up as per manufacturers specifications for maximum lifting capacity the area required for the crane is 7m by 10m. This allows a 360-degree slew and full rigger set-up for maximum lift. |
| The lifting radius area surrounding the crane is to be cordoned off and all personnel and plants not involved with the lift evacuated. All personnel working with the crane will wear appropriate PPE (Min Hard Hat and High Visibility Jacket, Hard boots, Safety Gloves).                                                                                                                                                                                                                                        |
| The crane driver will lift his jib observing proximity hazards overhead and slewing restrictions. <u>Crane slew restrictor will be activated restricting slewing towards the Tramway or overhead cables.</u>                                                                                                                                                                                                                                                                                                       |
| Crane driver will attach the lifting gear as stated in Method Statement 2 leg chains 6m and extend jib to required length 22m                                                                                                                                                                                                                                                                                                                                                                                      |
| Slinger to locate the chains over the steel.                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Slinger will sling the load choking in two equal positions.                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Under the supervision of the Slinger crane to lift the steel inches from the ground and check stability of the load, Safe load indicator is working / within radius and wind speed is within working limits 17mph.                                                                                                                                                                                                                                                                                                 |
| The crane will lift the steel into position guided by the banksman using 2-way radios.                                                                                                                                                                                                                                                                                                                                                                                                                             |
| No persons to stand under the load at any given time. <u>No slewing is allowed towards the tramway or overhead cables. Crane to stay within red zone as shown on lifting plan.</u>                                                                                                                                                                                                                                                                                                                                 |
| Once the lift/s is complete the operator will de-rig the crane and report to the site office where any necessary paperwork will be exchanged and signed.                                                                                                                                                                                                                                                                                                                                                           |
| The operator and Slinger / Banksman will sign out.                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| The crane will leave the site by the designated site traffic route.                                                                                                                                                                                                                                                                                                                                                                                                                                                |

## Initial Conditions

1. The working area must be cleared to allow the crane assembly and lifting operations to take place in a safe manner without endangering miscellaneous personnel, not directly involved in the lifting operations. All enabling works (by client / others) to be completed prior to crane arrival.
2. All personnel not directly concerned with the lift must keep out of the crane assembly and rigging areas. If necessary, the working area should be cordoned off or otherwise secured against personnel entry.
3. The Crane Supervisor shall make himself known to all personnel and conduct a toolbox talk prior to commencing operations.
4. Under no circumstances shall the crane be moved for lifting purposes if not under the instruction of the Crane Supervisor.

Slew Restrictor to be used on the crane to restrict slewing towards the tramline or overhead cables.

## SUPERVISION These works will be managed/supervised by:

|                |                                   |
|----------------|-----------------------------------|
| Name:          | Mark Campbell 07807 055 921       |
| Title/Position | Appointed Person/Crane Supervisor |
|                |                                   |

## Workforce Details

| Title            | Name                            | Title          | Name                            |
|------------------|---------------------------------|----------------|---------------------------------|
| Appointed Person | Mark Campbell CPCS<br>1108689   | Slingers       | William France CPCS<br>40003920 |
| Crane Supervisor | William France CPCS<br>40003920 | Signalers      | TBA                             |
| Crane Driver/s   | Mark Campbell                   | Crane Erectors | N/A                             |

## Communications

Communication between Crane Supervisor and Crane Operator shall be maintained by means of:

|                  |     |                            |     |
|------------------|-----|----------------------------|-----|
| Hand Signals     | YES | Two Way Radios (by CCH)    | YES |
| Second Banks man | NO  | Two Way Radios (by client) | NO  |

## Details of the loads

|                              |                    |
|------------------------------|--------------------|
| <b>Description of Load A</b> | Steel RSJ x 2      |
| Dimensions                   | 6m x 0.2m          |
| Weight                       | 350kgs             |
| Slinging Method              | Choke at 2 points  |
| Position Centre of Gravity   | 3m                 |
| Monetary Value               | under 25k          |
| <b>Description of Load B</b> | Steel RSJ X 3      |
| Dimensions                   | 3m x 0.2m          |
| Weight                       | 150kgs             |
| Slinging Method              | Choke at 2 points. |
| Position Centre of Gravity   | 1.5m               |
| Monetary Value               | Under 25k          |

|                              |     |
|------------------------------|-----|
| <b>Description of Load C</b> | N/A |
| Dimensions                   |     |
| Weight                       |     |
| Slinging Method              |     |
| Position Centre of Gravity   |     |
| Monetary Value               |     |

## Ground conditions (visual assessment)

|                                        |                  |
|----------------------------------------|------------------|
| Access/egress for crane and transport: | OK               |
| Lifting position:                      | See lifting plan |

## Lifting Accessories:

|                                 |                                              |
|---------------------------------|----------------------------------------------|
| Slings (chains) YES 2 LEG 6m 2t | Slings NO                                    |
| Slings (wire rope) NO           | Shackles NO                                  |
| Lifting Beam NO                 | Man, Rider NO                                |
| Brick-grab NO                   | Other: tag lines x 2 either end of steel 6m. |

|                     |                   |
|---------------------|-------------------|
| Method of Slinging: | Choke at 2 points |
|---------------------|-------------------|

## Identification of Hazards

| <u>Proximity Hazard</u>         | <u>Present?</u> | <u>Proximity Hazard</u>  | <u>Present?</u> |
|---------------------------------|-----------------|--------------------------|-----------------|
| Overhead Tram Lines             | YES             | Other Hazards identified | NO              |
| Other overhead obstacles        | NO              |                          |                 |
| Underground services            | NO              | <u>Load Hazards</u>      | <u>Present?</u> |
| Excavations                     | NO              | Slinging difficulties    | NO              |
| Unstable / Soft ground          | NO              | Top Heavy                | NO              |
| Hazardous Chemicals / materials | NO              | Sharp edges              | NO              |
| Confined working area           | NO              | Other Hazards identified | NO              |
| Restricted access - width       | NO              |                          |                 |
| Restricted access - height      | NO              |                          |                 |
| Other vehicles                  | YES             |                          |                 |

## Lift Radius and Obstruction

|                                                     |     |
|-----------------------------------------------------|-----|
| Distance: center of crane To building / obstruction | 5m  |
| Height of building / obstruction                    | 6m  |
| Distance of lift into Building / past obstruction   | 5m  |
| Lift Radius                                         | 10m |

|                                       |      |
|---------------------------------------|------|
| Weight of lift                        | 0.4t |
| Weight of hook-block                  | 0.1  |
| Estimated weight of tackle            | 0.1t |
| Gross lift weight / capacity required | 0.6t |

**Crane size: AK44..... Gross weight of lift: 0.6t. Jib Length Required:22m @ Radius of: 10m. SWL @ given radius:2t. Crane within SWL? YES WITHIN 80% TOLERANCE.**

## Ground Conditions

Have assurances been obtained that the ground can withstand the load? YES

Crane gross weight = 15t

Proposed Crane mat size is 1000mm x 1000mm = (1m<sup>2</sup>)

Seventy-five percent of crane gross weight is  $\frac{3}{4}$  of 15t = 12t

Weight of the load plus tackle= 0.6t

Maximum potential outrigger load/pad is 12t + 0.6t = 12.6t

Minimum ground bearing pressure is 12.6t / 1 m<sup>2</sup> (area of proposed mats) = 12.6 tons / m<sup>2</sup>

## PPE

|                                     |     |                           |     |
|-------------------------------------|-----|---------------------------|-----|
| Hard Hats EN397                     | YES | Protective Footwear EN345 | YES |
| Gloves EN388                        | YES | Overalls                  | YES |
| High visibility clothing            | YES | Eye Protection            | NO  |
| Ear protection (Marked noise zones) | NO  | Flame retardant clothing  | NO  |

## On site amendments to Method Statement

- 1.
- 2.
- 3.

## Acknowledgement of Method Statement and Assessments

The persons below acknowledge that they have read, understood, and complied with this Method Statement and associated Risk and COSHH Assessments in relation to the works to be carried out on this site. To be signed before lifting commencing after the toolbox talk on the day of the lift.

| NAME (PRINT)   | SIGNATURE | DATE |
|----------------|-----------|------|
|                |           |      |
| Mark Campbell  |           | TBA  |
| William France |           | TBA  |
|                |           |      |

|                                                                                                                                                                                                                                          |                          |                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|----------------|
| Appointed Person's Acceptance of Responsibilities                                                                                                                                                                                        |                          |                |
| I confirm that the lifts have been planned and will be. Carried out in accordance with current legislation and British Standards 7121 and that I accept responsibility for the preparation of this Risk Assessment and Method Statement. | Signed: <i>MCampbell</i> | Date: 21.01.25 |

|                                                                                                                                                                                                                                                   |                          |                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|----------------|
| Crane Supervisor's Acceptance of Duties                                                                                                                                                                                                           |                          |                |
| I confirm that I have been fully briefed on the contents of this Risk Assessment and Method Statement and I accept the duty of ensuring that the lift/swill be carried out in accordance with the method and procedures set out in this document. | Signed: <i>MCampbell</i> | Date: 21.01.25 |

# RAMS

|                                                                     |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Injury to personnel in crane radius i.e., site.                     | HIGH – Crushing significant injury fatal injury.                                    | Site personnel to be segregated from slewing area, barriers tape will be used for an exclusion zone for the work area, brief all personnel during toolbox talk working within the exclusion zone.                                                                                                                                                                                                                                                                                                                  |
| Damage to plant equipment and property.                             | Collision crushing, serious or fatal injury.                                        | Access and egress from the work area shall always be monitored, high visibility vests shall be worn. Any approach to vehicles shall be from the front or draw the lift supervisor's attention.                                                                                                                                                                                                                                                                                                                     |
| Fall from height.                                                   | Collision with the mobile crane.<br>HIGH – Serious or fatal injury from falling.    | All personnel to wear full safety harness & fixed length lanyard suitable to the task.                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Site Access.                                                        | LOW – Collision damage.                                                             | Crane to be banked when always moving. Site personnel to be kept clear.                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Other vehicles / Site traffic and pedestrians.                      | LOW – Collision with property / people.                                             | All crane movements to be banked by competent people for positioning on site. Site access road will be closed so that no other traffic can enter lifting area whilst operations are taking place.                                                                                                                                                                                                                                                                                                                  |
| Slings of loads.                                                    | HIGH – Serious or fatal injury from falling objects.                                | Lifts to be planned in accordance with BS7121 Appointed Persons, and to be controlled by a trained and competent CPCS Supervisor. Where manufacturers information on load weights, center of gravity and slinging arrangements are to be obtained in advance. Where manufacturers information is not available slinger banksman to use his safest discretion before lifting. Test lift to be carried out prior to lifting. Correct capacity lifting and handling equipment to be used for slinging configurations. |
| Loss of load.                                                       | MEDIUM – Damage to plant / property.                                                | Guide ropes to be used on long loads that can spin. Personnel not to walk under suspended loads.                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Falling objects.                                                    |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Crane stability.                                                    | HIGH – Overturning of the crane.                                                    | Crane outriggers shall be deployed in accordance with manufacturer's instructions. Outrigger feet shall be fully supported on purpose made mats or adequate timber. When the outriggers are deployed the crane shall be level with all wheels clear of the ground. Sufficient ballast counterweight shall be in place.                                                                                                                                                                                             |
| Collapse of the ground beneath the outriggers.                      | Outriggers will only be deployed on firm level ground.                              | ASLI shall be in good working order. Cranes shall stop if wind speeds exceed 20mph.                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Ground Bearing.                                                     | Injury to operator in control of crane.<br>All voids to be identified.<br>Pressure. | Crane outriggers will be positioned on suitable mats for loads being lifted.                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Lifting equipment failure, chains, slings, shackles, eye bolts etc. | MEDIUM – Equipment failure.                                                         | All lifting equipment to have relevant test and inspection certification in order and available for inspection.                                                                                                                                                                                                                                                                                                                                                                                                    |

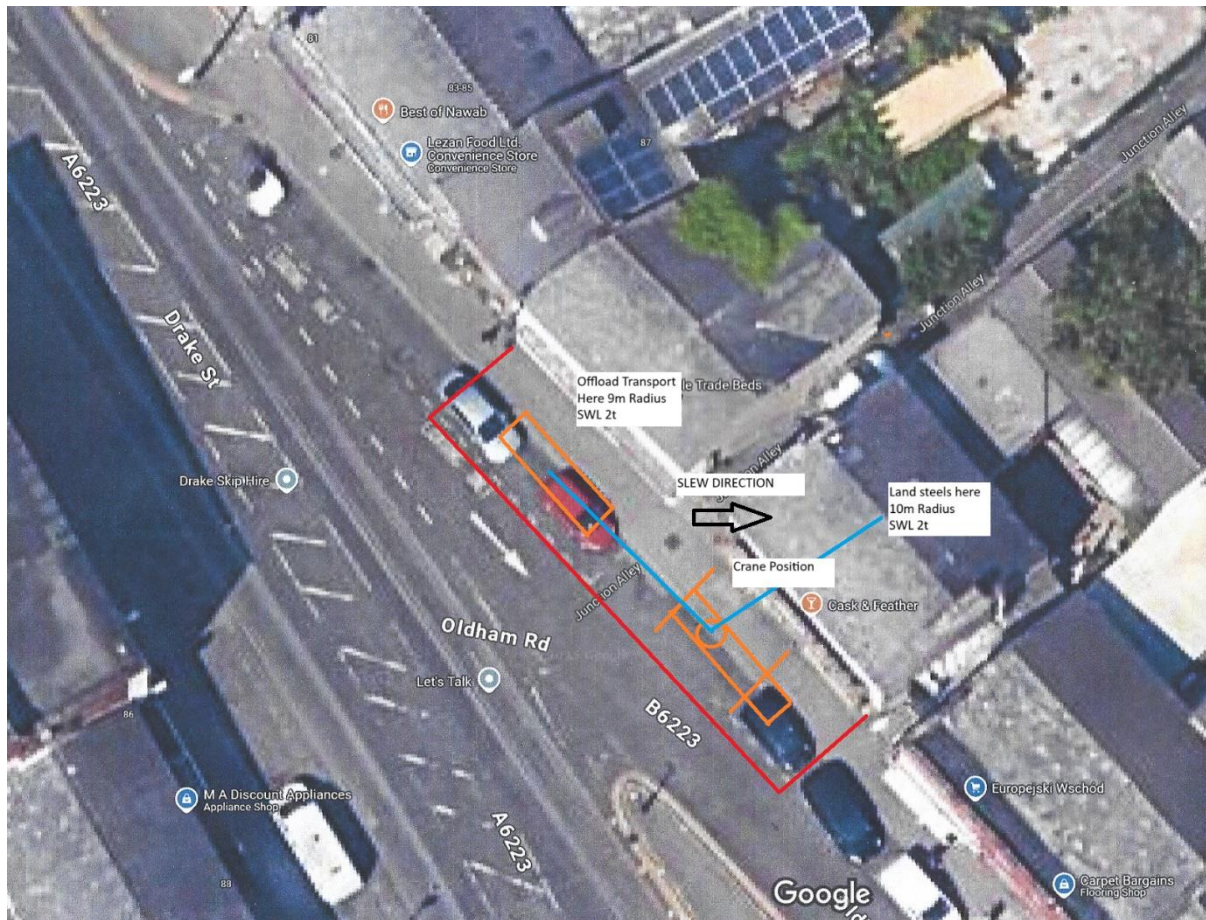
## CAMPBELLS CRANE HIRE

### ASSESSMENT OF RISK

|                           |                               |
|---------------------------|-------------------------------|
| Operational Requirements: | Supervision of lifting always |
|---------------------------|-------------------------------|

## RAMS

**Lifting Plan.** Crane and transport to set up within red lifting zone. Crane will offload transport as shown. Crane will not slew outside the lifting zone. Slew limitation device fitted to reduce risk of slewing outside the lifting zone. Supervisor present always.



# RAMS



Crane to be positioned as shown to offload the transport.

Barriers provided by client to segregate pedestrians from lifting area.

Traffic flow always maintained.

Crane not to slew outside the red lifting zone shown.

Crane to keep a safe distance of 4m or above of overhead cables at all times.