forshawdemolition

METHOD STATEMENT

WORK ACTIVITY:	GRUBBING UP & CRUSHING OPERATIONS
METHOD STATEMENT NO:	FD004
PROJECT:	Great Jackson Street Warehouses
SITE ADDRESS:	Great Jackson Street, Manchester, M15 4QF

BRIEF DESCRIPTION OF WORKS TO BE UNDERTAKEN	
Description of Works:	To grub up and crush processed hardcore materials to Type 1 or 6F2 product.

PLANT & EQUIPMENT	
Plant:	Mobile Crusher 2 x 360º excavators
Attachments:	Bucket
Work Equipment:	Dust Suppression Unit

PERSONNEL & TRAINING	
Personnel:	360º Excavator Operators Crusher Operator
Training:	CPCS Excavator CPCS Crusher Operator

PPE	
Mandatory PPE:	Hard hat (BSEN397) Safety boots (BSEN345 steel toe cap & steel midsole) Hi visibility vest or jacket (class 2)
Task Specific PPE:	Safety Spectacles (1F) (crusher operator) RPE (P3 filter) (crusher operator) Overalls (crusher operator) Gloves

PUBLIC INTERFACE ARRANGEMENTS	
Segregation:	All works will be undertaken inside the existing boundary fence located around the site.

DRAWINGS / SURVEYS	
Drawings	N/A
Surveys:	Demolition and Refurbishment asbestos survey to be held in the site file.

MONITORING	
Vibration:	N/A
Noise:	N/A
Dust:	FDL Site Management team will review the wind on daily basis. If it is deemed too windy to carry out the demolition process due to dusts being blown into or onto sensitive areas the demolition process will be suspended.

PRE COMMENCEMENT WORKS	
Utility Disconnections:	All utility services will be isolated or disconnected prior to commencing works, ***see activity 1***
Asbestos Removal:	All licensed ACMs will be removed prior to demolition commencing.

SEQUENCE OF TASKS

The Site Supervisor/Manager will ensure this method statement and risk assessment is explained to all operatives involved in the task. All operatives will sign to confirm they have understood this method, the risks involved and the control measures put in place.

Daily task briefings will be carried out and operatives given the opportunity to give feedback on tasks/method statements, where required changes will be made by FDL site team. If the structure is not being demolished as planned than the works will cease and the demolition method will be revisited and amended.

Activity 1 : Grub up Slab

A1.1 Any known live services beneath the site will be marked with spray paint.

A1.2 Using a demolition excavator with breaker and bucket attachments, the slab beneath the site will be grubbed up and stockpiled, ready for crushing.

Activity 2 : Access to crusher & excavator

A2.1 Pedestrian access to and from the crusher will be obtained from the pedestrian walk route

A2.2 The pedestrian route around the crusher will be cleared of all materials and will remain trip free at all times. It is the responsibility of the crusher operator to ensure this route is kept clear.

A2.3 No operatives will walk under running belts at any time.

Activity 3 : Set up dust suppression

A3.1 Dust suppression will be set up to ensure a fine spray mist spray is sprayed onto the structure during mechanical demolition.

A3.2 The dust suppression will consist of a jet wash type spraying unit or hose pipe stand (refer to Mechanical Demolition RAMS for further detail).

Activity 4 : Excavator & crusher operator to carry out daily checks

A4.1 The crusher operator will carry out and record daily and weekly checks of the crusher as per manufacturer's guidance.

Activity 5 : Start up and shut down crusher

A5.1 The crusher operator will operate the crusher in accordance with the manufacturer's instruction manual ensuring that the correct start up and shut down procedures are followed. The crusher operator manual will be located with the crusher and will be referred to when carrying out operating and maintenance procedures.

A5.2 The keys will be removed from the crusher when the crusher is left unattended or when the crusher is not in use. *Note: keys cannot be on a bungie as the crusher operator needs to view the hoppers from the ground.*

Activity 6 : Operate & crush materials

A6.1 The crusher will be positioned with the hopper adjacent to the processed stockpile.

A6.2 An excavator will form a level working platform on top of the stockpile. The excavator operator will proceed to load the processed materials into the crusher hopper ensuring that the hopper is never overloaded. Crushed materials will fall from the conveyor belt and form a stockpile.

A6.3 The crusher operator will wear task specific PPE consisting of safety specs, gloves, hearing protection and RPE with P3 filter.

A6.4 A second 360^{o} excavator will be positioned at the end of the conveyor belt and will clear crushed material from the crusher delivery belt and place into stockpiles.

A6.5 Metal from the crushing process will be removed by an over band magnet and placed into skips for removal from site. Any waste (timber, plastic etc.) from the processing and crushing works will be placed into skips and removed from site

A6.6 A dust suppression unit will be utilised to spray a mist of water on the conveyor belt.

A6.7 Should material jam in the jaws of the crusher, then the crusher operator will first attempt to free the blockage by reversing the motion of the jaws. If that does not clear it, then the emergency stop button will be pressed so that the material may be removed safely by the crusher operator using hand tools. The machine will be isolated, the keys will be removed and kept with the crusher operator clearing the blockage. Once cleared the pilot will re-start the machine and the works resumed. The crusher operator will use a hook to remove stranded reinforcement bar from the crusher belt whilst the crusher is operating. If reinforcement bar is too tangled, the crusher will be stopped and isolated so that access can be gained to the belt to remove the reinforcement bar.

A6.8 The area around the belt will be kept clear of trip hazards. ***Note:*** The manufacturer's instructions will be followed when attempting to clear any blockages.

A6.9 In common with all items of plant, during rest breaks the crusher will be shut down and prevented from unauthorised use eg. immobilised or made safe by removing the key. All plant operators will track down to a safe area when accessing or egressing the cab of the excavator.

A6.10 On completion of the crushing works all plant and machinery will be removed from site, on a low loader, and the site left clean and tidy.

CRUSHING RISK ASSESSMENTS

What are the hazards ?	Who might be harmed and how ?	Risk rating before control measures have been implemented	What control measures are in place ?	Risk rating after control measures have been implemented
Excavator operations	Operatives on site may suffer fatal or serious injury if struck by an excavator	High	• Plant operators to be trained and competent • Always approach excavator from the front & ensure operator has made contact with you prior to walking into the arc of the excavator • Never stand behind an excavator • Ensure site traffic management plan is followed on site • All operatives to use the pedestrian route established within the site • Crusher operator to be located on the ground where possible when the crusher is in operation.	Low
	Excavator operator may suffer fatal or serious injury due to excavator overturning	High	• Excavator operator to wear seat belts at all times • Excavator to be operated on firm level ground • Gradient of stockpile not to be too steep when tracking up and down • Level surface on top of the stockpile to be established to provide a flat, wide working area	Low
	Site operatives may suffer fatal or serious injury due to plant attachments being stored unsafely	High	• Plant attachments that are not fixed to the excavator must be stored on firm level ground • Where necessary chocks must be used to prevent the attachment from toppling	Low
Contact/strikes of live utility services	Plant operator operatives may suffer fatal or serious injury if electric cables or gas pipes are struck	High	• All utility services to be disconnected prior to commencing mechanical demolition • Utility disconnection paperwork to be located within the CPHSP • Any known live services must be marked with spray paint	Low
Incorrect use of quick hitch/working under attachments	Site operatives may suffer fatal or serious injury if attachment becomes detached from excavator	High	• All plant operators to use quick hitch as per manufactures instructions • Attachments or loads must not be manoeuvred over the top of any personnel •	Low
Crusher operations	Crusher operator may suffer fatal or serious injury due to crusher operations	High	• Crusher operator to be trained and competent • Crusher to be operated in accordance with manufacturer's instructions • All blockages must be carried out as per manufacturer's recommendations	Low
	Crusher operator may suffer fatal or serious injury due to entanglement	High	• All safety guards to remain in place to protect against moving parts • Crusher operator must not climb over or lean into the crusher chamber or hopper	Low

What are the hazards ?	Who might be harmed and how ?	Risk rating before control measures have been implemented	What control measures are in place ?	Risk rating after control measures have been implemented
			• Ensure the correct start up/shut down and maintenance procedures are followed as per the manufacturer's instructions • All loose items of clothing and jewellery to be secured • Where possible operate crusher from ground level	
	Crusher operator and members of the public may suffer chronic and acute deafness & respiratory problems due to noise of crusher & inhalation of dusts from crusher	High	• Crusher operator to wear RPE with P3 filter • Crusher operator to wear hearing protection • Crushing to be halted in windy conditions.	Low
Manual Handling	Operatives may suffer broken bones, cuts or lacerations from handling materials	Medium	Operatives to wear gloves, hard hats and steel toe capped boots with steel midsoles	Low
	Operatives may suffer back pain when manually handling materials	High	• 360 excavator to be utilised to move loads where possible • Assess the loads before lifting, if required break down the load into manageable weights & sizes using hand held tools • Kinetic lifting techniques to be used to lift all loads • All operatives to have undergone manual handling training	Low
Slips & trips	Operatives may suffer broken bones, sprains or cuts due to tripping over materials	Medium	• Pedestrian access routes to be kept clear of all materials • Pedestrian routes to be clearly lit • Plant operators to ensure access routes are kept clear & clean • Crusher operator to ensure the walk routes are kept clear at all times • Excavators to track down the stockpile to a safe location when exiting the cab. Plant operators to track to a clean and trip free area when accessing egressing cab of excavator	Low
Falling objects	Operatives on site may suffer serious or minor injury due to falling materials when crusher hopper is being loaded	High	• All materials to be loaded into the crusher away from the crusher operator • No operatives to walk under the belt of the crusher when in use • Where possible operate crusher from ground level	Low

SIGNATURES & AMENDMENTS

I confirm I have read and understood the method statement and risks involved and will work in accordance with the method statement as described

Operative Signatures			
Name	Signature	Date	Revision No.

Amendments		
Time / Date	Description of Amendment	Signature of Manager / Supervisor

RAMS Prepared by : **J.Wolstencroft** Date : **11th September 2026**

RAMS Reviewed by : **A.Forshaw** Date : **11th September 2026**