

WORK ACTIVITY:	MECHANICAL DEMOLITION
Method Statement No:	FDL002
Project:	20 Fairhaven
Site Address:	Fairhaven, Kirkby, Liverpool, L33 1UY

BRIEF DESCRIPTION OF WORKS TO BE UNDERTAKEN	
Description of Works:	To mechanically demolish the building and remove materials from site.

PLANT & EQUIPMENT	
Tools:	Crow bars Stihl saws
Equipment:	360° Demolition Excavators
Attachments:	Concrete pulverisers Steel cutting shears Combinations shears

PERSONNEL & TRAINING	
Personnel:	Site Supervisor Demolition Labourers x 2 Plant Operators x 2
Training:	CCDO Demolition Supervisor CCDO Demolition Labourers CPCS Demolition Plant

PPE	
Mandatory PPE:	Hard hat (BSEN397) Safety boots (BSEN345 steel toe cap & steel midsole) Hi visibility vest or jacket (class 2) Gloves Safety Spectacles (1F) or task specific
Task Specific PPE:	Respiratory Protective Equipment with P3 filter (operatives are face fitted) Hearing protection (during use of cut off saw & breakers or drills)

PUBLIC INTERFACE ARRANGEMENTS	
Segregation:	All works will be undertaken inside the existing fence located around the perimeter of the buildings. It is envisaged that there will be interface with other road users and pedestrians at the site boundary. The site teams must ensure safe segregation using heras fence panel's double clipped and signed demolition keep out. The site exclusion zone must be kept always locked during the demolition activities.
Monitoring:	N/A

DRAWINGS / SURVEYS	
Surveys:	N/A
Drawings	N/A

PRE COMMENCEMENT WORKS	
Utility Disconnections:	All utility services will be isolated or disconnected prior to commencing works, see activity 1
Asbestos Survey:	A Demolition & Refurbishment Asbestos Survey has been carried out by AEC (ref N-179026-2). A copy is located in the H&S Plan for reference.

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.

Activity 1 : Ensure utility isolations/disconnections have been carried out

HOLD POINT

- A1.1 FDL Site Management team will check that written confirmation has been obtained to ensure all utility services have been isolated or disconnected.
- A1.2 Upon review of the disconnection certificates a member of FDL Management team will sign below and move onto Activity 2.

NAME:..... SIGNATURE:..... DATE:.....

Activity 2 : Location and sequence of works



Activity 3 : Establish safe working areas & dust suppression

- A3.1 The site team will establish an exclusion zone around the perimeter of the work area which will consist of heras fencing (double clipped). The exclusion zone must be locked, double clipped and signed **[Demolition in Progress – Keep Out]** during all activities.
- A3.2 Some of the pavements adjacent to the building will be temporarily closed during the demolition phase to protect members of the public. Appropriate signage will be placed on the fencing to warn pedestrians. A banksman will be stationed to direct pedestrians and as soon as each section has been demolished, the pavement will be re-opened.
- A3.3 Dust suppression will be set up to ensure a fine spray mist spray is sprayed onto the structure during mechanical demolition. The dust suppression consists of a standpipe set up with a series of high pressure water hoses.

Activity 4 : Mechanical demolition

- A4.1 The plant operators will carry out their pre-use inspections prior to commencing work. The results of the inspection will be logged into their 7-day checklist books kept in the excavators.
- A4.2 The Site Manager will brief all the team on the mechanical demolition RAMS.
- A4.3 The direction of demolition of the building is shown on the aerial image above. The structure will be demolished commencing at the northern elevation working towards the southern elevation demolishing one structural bay at time. The demolition works will be undertaken using a 360° excavator fitted with a series of demolition attachments. All materials will be separated by the excavator as the demolition progresses through the building.
- A4.4 The exposed roof truss and associated purlins located in the first structural bay will first be removed. Once this process has been completed the beams and associated walls located in the first section will be removed.
- A4.5 The above sequence will be repeated for each structural bay until the building has been completely demolished, as per the demolition sequence above.

Activity 5 : Removal of materials

- A5.1 All materials / debris generated from the soft strip and associated demolition works will be removed from site using our own multi lift trucks and 45 yard bins. The drivers will raise consignment notes for all loads that leave site.
- A5.2 A banksman will be available during the loading of wagons to marshal any members of the public.

DEMOLITION 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
Manual Handling	Operatives may suffer broken bones, cuts or lacerations from handling materials	Medium	Operatives to wear gloves, hard hats, safety spectacles and steel toe capped boots with steel midsoles	Low
	Operatives may suffer back pain when manually handling materials	High	- Trolleys and wheel barrows to be used to move loads - If manual handling has to be carried out 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 - Do not move any load if you, as an individual, feel the load is too heavy to move	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	Low
Falls from height	Operatives may suffer fatal or serious injury when working at height	High	All operations will be carried out remotely with the excavator, eliminating the need to work at height	Low
Falling materials	Operatives may suffer fatal or serious injury if struck by falling materials	High	- Safety helmets to be worn at all times - Exclusion zones to be erected - Do not access any unsafe structures - Controlled drop zone must be adhered to	Low
Contact/strikes of live utility services	Operatives may suffer fatal or serious injury if electric cables or gas pipes are struck	High	- All utility services to be isolated/disconnected prior to commencing any activities Utility disconnection paperwork to be located within the CPHSP - All live utility services to be identified and marked live - Scaffold crash deck to be erected above and around the sub-station with emergency access for utility companies	Low
Excavator operations	Operatives on site & public 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 walk into the arc of the excavator - Ensure site traffic management plan is followed on site - Exclusion zones to be erected around the site	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 - Lifting plan to be in place to lift dusts suppression unit	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
	Site operatives may suffer fatal or serious injury due to incorrect use of quick hitch, working under attachments or if the attachment becomes detached from excavator	High	• All plant operators to have undergone quick hitch training • All plant operators to use quick hitch as per manufacturer's instructions • Attachments or loads must not pass over the top of any personnel and must not be slewed over any of the site boundary	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 : 25th April 2024