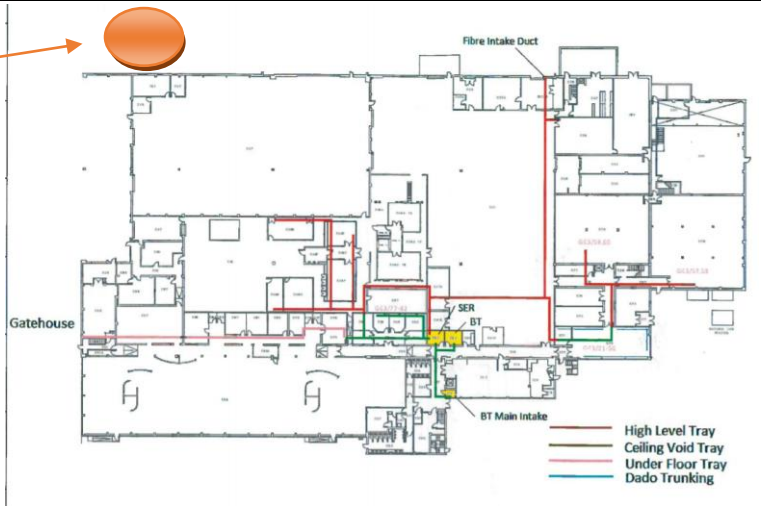
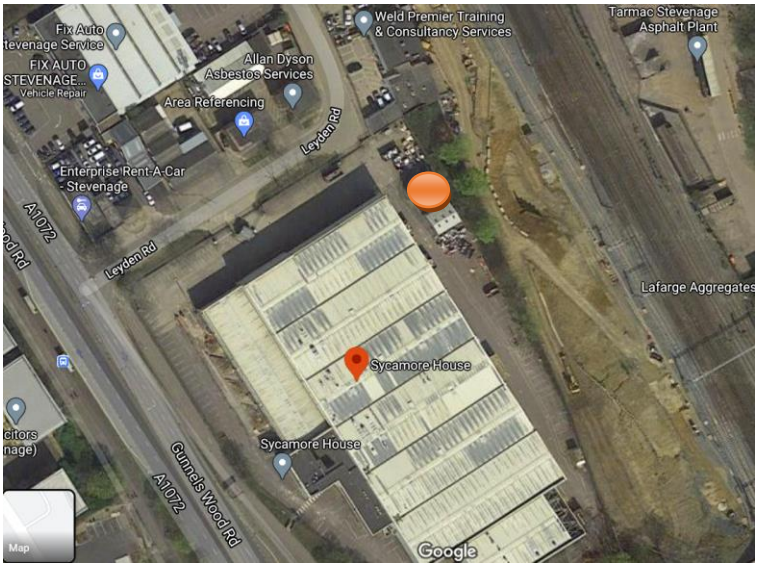
Method Statement: Water Tank De-Construction Works RAMS

(To be Submitted at Least 5 working Days Prior Commencement of Work)

	Project Name: Sycamore House	Project Number:	EN20032
	Company: LA Metalworks	Document Number:	EN20032-04
	Title / Task: Water Tank De-constriction Works	Revision Number:	02
	Date of Issue: 18/12/20	ISG Contact:	A Mc Auley

Other Trade Contractors to be copied with Method Statements and Risk Assessments for information, co-ordination and interface purposes	**TBC by ISG**

Revision No:	Date	Reviewed by ISG PM	Reviewed by ISG CM	Reviewed By ISG HSA

1.0	**PROPOSED START DATE:**	11/01/21	**PROPOSED START TIME: 08:00**
1.1	**EXPECTED DURATION:**	1 month	
1.2 1.3 1.4	**EXACT LOCATION (S): ATTACH PLAN** (highlighted demolition areas in orange)	 
	DOCUMENT PREPARED BY:	T Mc Mahon	

FULL DESCRIPTION OF METHODOLOGY / SEQUENCE OF WORKS

The purpose of this document is to detail the safe system of work for the de-construction of the water tank located in the north east corner adjacent to site perimeter at Sycamore House.

From investigations on site, the redundant water tank comprises of an outer skin of steel sheeting and an internal make up of structural steel roof purlins supported by a structural steel “T-frame” positioned on a concrete slab footing.

This document identifies and describes the following items:

- Hazards and risks associate with carrying out the works
- Any prohibited action or methods
- PPE required to carry out the task safely
- Tools, equipment and materials that are required as part of the works
- Emergency first aid procedures in the unlikely event an incident was to occur

Prior to the works taking place, the operatives will be given a method statement briefing. The operatives will also be given a daily task specific briefing.

Site Details:
Sycamore House,
Gunnels Wood Rd,
Stevenage
SG1 2BP

Working Hours: Monday to Friday 8am-5PM

Prior to any works taking place, all LA Metalworks operatives are to attend an ISG Site induction (taking note of all security arrangement requirements), receive a daily site briefing and a full RAMS briefing from LA Metalworks site supervisor.

Scope of Works:

The related work consists of:

- Enabling works
- De-construction works of the water tank
- Demolition of foundation
- De-construction of sprinkler housing

Methodology:

Hold Point: Prior to works commencing, ISG to issue a Permit to Demolish which will detail:

- Extent of the area and structure to be demolished
- where services are live and where they are isolated. ISG Site management to mark up areas that can be demolished clearly so LA Metalworks can not come into contact with any services that are to remain live during our works.
- ISG to also confirm that no asbestos is present in any of the works areas (as part of the demolition permit).

Hold Point: Exclusion Zones and traffic management arrangements are to be set up by LA Metalworks prior to commencement of works. No unauthorised persons are to enter the work area with the permission of the LA Metalworks supervisor (and area made safe to allow access).

Note: Clear demarcation of walkways are to be set up prior to works commencing to segregate pedestrians and plant as part of this hold point.

Enabling Works:

Prior to the works commencing, LAM supervisor is to set up an exclusion zone with either heras fence panels/chapter 8 barriers/rhino barriers to demarcate the works area. Clear walking routes to the work area are to be set up by ISG.

Exclusion Zone signs are to be erected on the works areas barriers notifying site operatives that demolition work is being undertaken and no access to anyone outside of the work party is permitted without the express consent of the LAM site supervisor.

If any unauthorised persons enter the work area, works are to stop and the occurrence is to be reported to site management immediately.

Work areas are to be classified as follows:

- The exclusion zone means that "NO ACCESS TO ANYONE", is permitted and is defined by the "owner / contact. These could be areas with risks of falling objects from height, operatives working overhead or where ground area is open or unstable. No one is to enter this zone until it has been downgraded to a restricted zone or a safe zone which will be determined by the owner / contact for the area.

- The restricted zone is an area that is deemed to have potential hazards, but are all controllable hazards under a safe system of work and is it controlled by the "owner / Contact". Who will control access into this area and the works within, The signage will be clearly posted and updated at SOS / per shift. Works only commence once all initial checks, including a clearance check, briefing to all workforce have been done of the area, within & around zones.

- Any other part of the site NOT controlled by Exclusion / restriction control are considered as safe zones. These areas could still be within the site boundary and require full PPE.

Appropriate skips are to be set up in the vicinity of the works area so that the arisings can be segregated appropriately as well as reducing plant-person interface around the site.

All vehicle and plant movement will be under the control of qualified traffic marshals/banksmen.

Fuel storage area must be fenced off, clearly sign posted with drip trays placed under all static plant /machinery. Fuel must be stored in a bunded area.

Spill kits will be available in the event of a spillage. Bins will be filled with the appropriate spill kits/granules that are to be used in the event of a spillage. COSHH Bins will be located on Site and sign posted as appropriate.

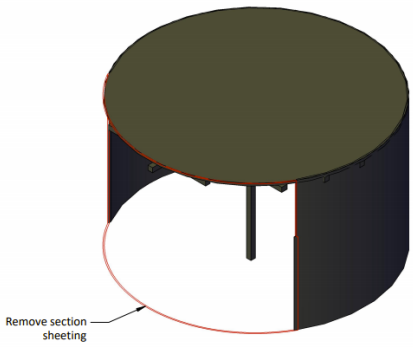
De-Construction Works:

Once the work area is set up and checked by the LAM supervisor, demolition related plant can be tracked into place. This will comprise of an 8t excavator with a steel shear attachment fixed to it (and related dumper/skid steers).

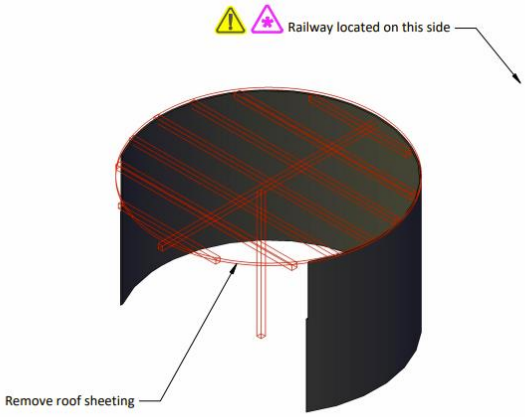
The sequence of the works has been checked within a temporary works CAT 1 design check carried out (reference: 20493-02, date: 9/12/20) with supporting drawings (Reference: 20493-02-LAS-SVG-TD-DWG-01).

<u>The sequence is as follows:</u>

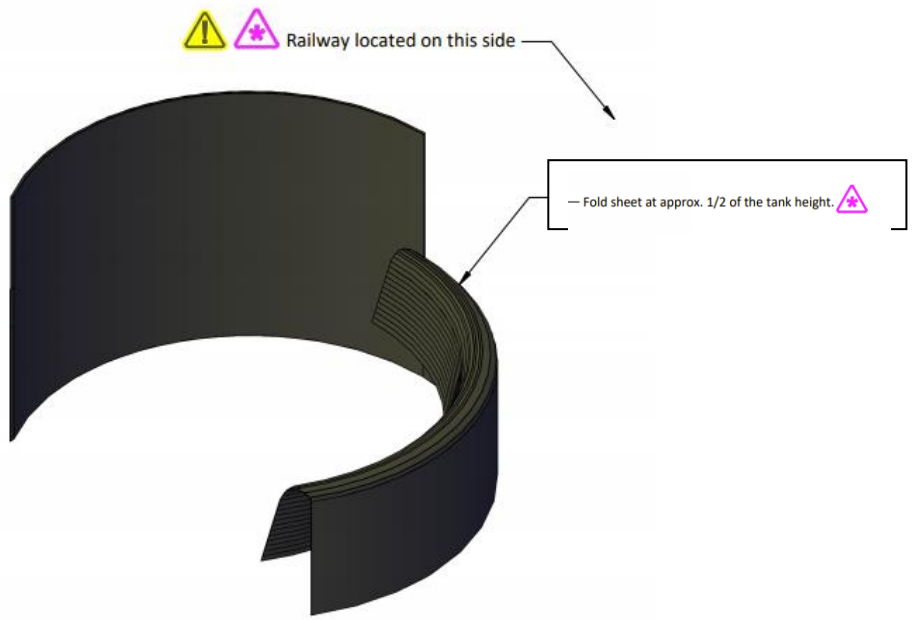
1) The excavator will commence “shearing” off the front skin of sheeting (i.e. furthest point from the perimeter fencing) in a radial direction around the perimeter of the tank (as per drawing snip below). The removed sections will be either placed directly in a skip in the works area or with the use of an attendant skid steer/dumper.

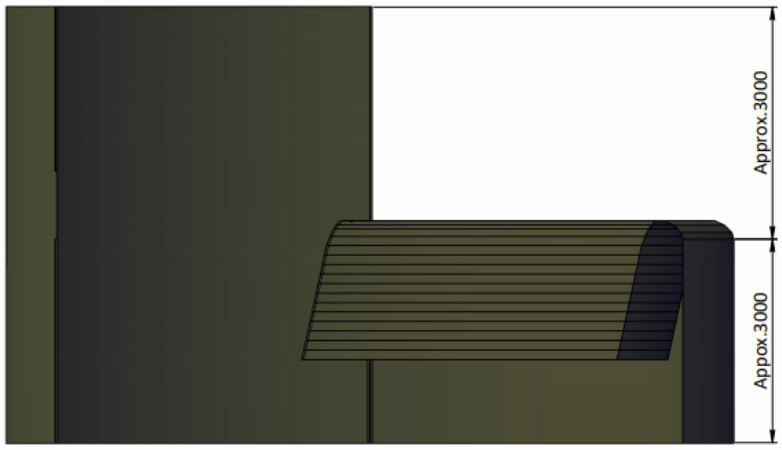


2) Once the front section is opened up appropriately, the roof sheeting is to be removed using the shear followed by the internal roof structural steel purlins and the “t-beam” section.



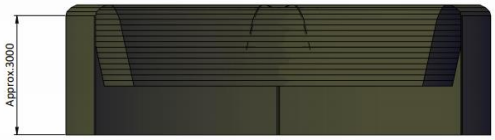
3) Fold the remaining sheeting inwards within the body of the tank



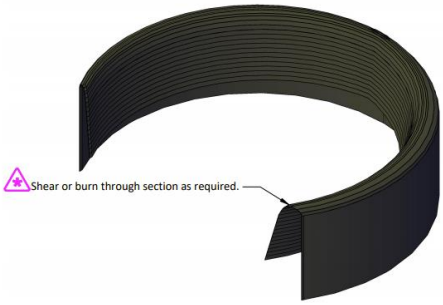


Stage 3 : Fold exterior sheeting inwards from one of the side sections and remove.

4) Fold the remaining sections inwards within the footprint of the tank.



Stage 4 : Fold remaining exterior sheeting inwards and removed.



5) Remove all materials to appropriate skips prior to starting the next phase.

Note: LAM supervisor to ensure that works to do not allow for any members to be left loose or that may be susceptible to being blown away during the works.

Demolition of the foundation:
Once all the steel elements have been removed, the concrete slab can then be removed.

Hold Point: ISG to issue a Permit to Dig detailing the presence of any services or related hazards.

Hold Point: Dust suppression will be achieved by means of damping down whilst breaking are being undertaken.

Using a 360° excavator fitted with a hydraulic breaker, the slab is broken out and cleared progressively (by switching the excavator to be fitted with a clearing bucket periodically throughout the shift).

Hold Point: A 'Hot-Works' permit will be issued by ISG prior to starting any hot cutting works. Fire watchman and appropriate fire extinguishers will be in place on both levels prior to any rebar burning operations.

The protruding slab rebar, if not cut by the excavator equipped with shear jaws, will be cut off using a burning gear.

A burner will cut any rebar found if the slab is found to be heavily reinforced.

The slab will be broken/excavated to the required designed level (as dictated by ISG's structural engineer).

Sprinkler housing de-constriction Works:

Within the exclusion zone set up, the excavator will track to the sprinkler housing area and commence shearing the roof sheets (starting from front to back). As each section is sheared off, it will be placed to once site for removal to the skips.

Once completed, the side panels will be folder inwards (similar to the side panels of the water tank) in the same sequence of front to back within the footprint of the housings current position.

All materials to be segregated and removed prior to commencing the next step.

Final stage will be the shearing of the 18" pipework. This will be done by shearing manageable sections and removing to the appropriate skip.

Waste Transit and removal of waste materials from site:
Materials are to be removed to segregated waste skips in a designated area (to be agreed between LA Metalworks supervisor and ISG Site management) in accordance with site waste management plan.

		RISK	RISK
2.0	**RISK ASSESMENTS ATTACHED:** *A list of identified risks throughout the task will be noted here, The full risk assessments to be attached for each task/significant risk identified.* **See Appendix: 1**	Manual handling	Plant Movement
		HAVs	Temporary Works
		Use of hand tools	Burning Operations
		NVD	
		Demolition operations	
2.1	**COSHH:** *A comprehensive list of materials is to be entered*	Diesel	
		Engine oils	

	here. This will highlight which COSHH Assessments and manufacturers Material Data Safety Sheet (MSDS) should be attached to the Method Statement.		
2.2	**MANUAL HANDLING:** *What activities req manual handling. How will you minimise manual handling, what training will your operatives receive ?*	Manual handling training Use mechanical means for transporting demolition arisings.	
2.3	**HAND ARM VIBRATION:**	Exposure to HAV's will occur while using mechanical tools (e.g. hand breakers). HAV's to be recorded daily to ensure exposure limits are not exceeded. Operatives to rotate activities to reduce exposure.	
2.4	**NOISE:** *What activities will generate noise. How will you minimise noise? How will you define noisy areas? Will you undertake a noise assessment?* **See Appendix: 4**	Use of mechanical tools will generate noise. Operatives to wear Ear protection at all times while using any mechanical breakers/ Saws.	
2.5	**RADIATION / LASERS:** *Consider the risks to eyesight presented by lasers during setting out activities. When a laser is first delivered/brought onto site, check the label to ensure it is classified as Class 1, Class 2 or Class 3A. Classes of laser higher than 3A are not to be used on site i.e. 3B or Class 4. Consider using 'Laser Hazard' warning signs.*	N/a	
2.6	**ACCESS / EGRESS:** *Describe access, both on to site and to the workplace once on site. Reference should be made to road names, width restrictions, entry/exit points, suitability for unloading, restrictions on stopping, parking etc. On site consideration should be given to one-way circuits and the separation of pedestrians and vehicular traffic. This section could also be used to describe availability of on- and off-site parking for contractors. Consideration of movements of material, operatives, vehicles, waste.*	Access to the work area will be co-ordinated with ISG.	

3.0	**WORK AT HEIGHT: PERSONS** *Apply the hierarchy of controls as detailed in the Work at Height Regulations 2005 and describe the measures taken to ensure your operatives can work safely at height.* *Fall prevention: You will need to consider all site activities that may involve persons working at height including: loading and unloading vehicles, slinging and un-slinging loads, working adjacent to leading edges, open risers, shafts and ducts, use of mobile towers/ podiums / ladders etc. Provide details of any Work at Height Training including harness inspection and training records.*	All working at height will be undertaken via podiums/Pasma towers/MEWPS if required. Operatives to have PASMA training to inspect podiums/pasma towers. Appropriate MEWP training if required.	
3.1	**WORK AT HEIGHT: FALLING OBJECT PREVENTION** *The prevention of tools, articles and materials falling needs to be considered whenever work at height is undertaken. Considerations needs to be given to:* • **The storage of materials and tools at height**	N/a	

	• **Control/ tethering of tools when undertaking work at height** • **Controlling materials and components during the install/removal process** • **Establishing and maintaining exclusion zones,** • **Sequencing high level works to minimise risks**	
3.1a	**Prevention of tools falling** When working at height in the following circumstances, tools must be tethered at all times: • At a height, greater than 3m • When working <2m away from an edge • When a dropped tool could result in injury • When working at height >3m externally to a building • Any situation where tools could fall into a PPE free zone • When working in or adjacent to risers, shafts stairwells etc • Or when persons are working immediately below the work area If the tool is too heavy or a suitable anchor point doesn't not exist, exclusion zones must be set up below the work area	LA Metalworks and ISG Site management to set up barriers to exclude entry during demolition works. A daily co-ordination meeting is to take place when working in and around site entry points and where trade to trade co-ordination is required.

4.0	**No OF PERSONNEL/JOB TITLE (NAMES IF APPLICABLE):**	Approximately 5no
4.1	**SUPERVISOR (WITH CONTACT No): OR PERSON ON SITE THAT IS IN CHARGE**	Name: Gary O'Donnell No:07972583755 Training Certs/Qualifications: CSCS,CPCS,CCDO, SMSTS, First Aid, Manage to Duty, Cat and genie certificate,

4.2	**PLANT / EQUIPMENT/TOOLS:** *This section is purely a list of plant and equipment that it is proposed to use on site. It may be useful to include dimensions, weights etc. This box can then be referred to later when specific risk assessments are attached for the various operations/activities. Copies of Plant/Equipment and maintenance and inspection records will be required including competency certification for all Operative.:*	*8t excavator (with demolition attachments)* *6t dumper/skid steer* *6-30 yd skips*
4.3	**MATERIALS:** *List of materials to be used*	N/a
4.4	**TECHNICAL INFORMATION:** *Any information that is critical to the Health & safety of the project; this may include elements of the structural engineer's reports, previous Health & Safety plans, any design drawings or specifications that may be available.*	*Services drawings (appended to Permit to Demolish)*
4.5	**WASTE REMOVAL:** *How will waste be removed from site? Consider location of skips, provision of bins and what collection arrangements will be put in place.* *Disposal of controlled waste?*	*Waste will be segregated into skips in designated area (and in accordance with the Site waste management plan).*

4.6	**HOUSEKEEPNG and STORAGE:** *How will materials be stored on site?* *How will you maintain the required standard of housekeeping?*	*Any waste materials/demo arisings/plant/materials will be stored in pre-agreed areas* *Site supervisor to ensure materials are stored/stacked neatly and cleared throughout the shift.*
4.7	**PREVENTION OF LEAKS & SPILLS:** *During any activity that requires or may generate large volumes of water/fluids, consideration needs to be given to preventing leaks and spillages.* *During Flushing activities, a proprietary polypropylene tank is to be used to house the Flushing Rig, with adequate consideration given to the volumes of water involved. If there is a chance of a leak or spillage, a Wet-Vac needs to be readily accessible.*	*Spill kits to be placed in the vicinity of the works area.*

5.0	**PERMITS REQUIRED: YES / NO**	Yes.
5.1	**PERMIT TYPE:**	Permit to Demolish which should include the isolation certificate of all services. Permit to Dig when breaking out/excavating the slab.
5.2	**ISSUED BY:**	ISG
5.3	**SECURITY ARRANGEMENTS:**	ISG to detail in site induction.
5.4	**TRAINING OF PERSONS INVOLVED:** *Outline clearly activities requiring training that are going to take place on site. If a certain standard of training is required, then ensure it is detailed here. Operatives must be competent to undertake the tasks they are expected to carry out (all training requirements must be fulfilled prior to operatives being set to work) and ISG will require copies of certification.*	Supervisor: SSSTS and CSCS *Operatives: CSCS/CCDO* *Machine Operator: CCDO/CPCS* *Traffic marshall/Banksman: Type trained/CPCS*

6.0	**MANDATORY SITE PPE (AS PER BRITISH AND EUROPEAN STANDARD:**	Hard Hat / Safety Footwear / Hivis Clothing / Gloves / Light Eye Protection/Impact Goggles (when breaking/cutting masonry)
6.1	**TASK SPECIFIC PPE:** *Identified as per risk assessment.* *State grade and standard. Note: Consideration of working environments will need to be included and additional PPE may be required e.g. cut resistant arm protection for work in ceiling voids etc.*	FPP3 dust masks to be worn when any dust particles are generated on site.
6.2	**Respiratory Protection Equipment (RPE):** *When selecting RPE you must ensure that it is adequate and suitable to ensure the wearer is protected:* •***Adequate** – It is right for the hazard and reduces exposure to the level required to protect the wearer's health.* •***Suitable** – It is right for the wearer, task and*	As above Dust mask wearer to follow good practice when wearing masks (i.e. suitable for the wearer, clean shaven etc)…

	environment, such that the wearer can work freely and without additional risks due to the RPE. ***NOTE:*** *Consideration needs to be given to all construction generated fumes, vapours and dusts including Respirable Crystalline Silica.*	

7.0	**EMERGENCY ARRANGEMENTS FOR:**	
7.1	**RESCUE:** *This should include address, phone where the first aid kit is held,a rescue plan for specific operations* *e.g Confined space* *Falls from Height* *Isolated work areas*	*First aid kit to be stored in site project office. Emergency arrangements Detailed in site induction.*
7.2	**FIRST AID ON SITE (QUALIFIED PERSON):** First Aid Equipment and certification required	Stored in site office. 1st aiders to make themselves known to LA Metalworks site supervisor who will brief operatives on 1st aider arrangements.

8.0	**PEDESTRIAN / TRAFFIC REROUTING** ARRANGEMENTS**:** *Will your works interfere with current pedestrian / traffic arrangements.*	*To be agreed daily with ISG site management due to the changing nature of the demolition locations.*
8.1	**FIRE SAFETY ARRANGEMENTS:** Will your works create additional fire risks or additional requirements E.G Hot Works	N/a
8.2	**RESPONSIBILITY FOR TASK LIGHTING:** *Consideration should be given to site hours; this may immediately highlight the need for artificial lighting if work starts before first light or continues after dusk. Additionally the requirement for general site lighting and specific task lighting would be inserted here* ***NO PORTABLE HALOGEN LIGHTS ALLOWED***	LA Metalworks (if required)

9.0	**TO WHOM THE INFORMATION / WILL BE COMMUNICATED AND HOW?** **(TO INCLUDE NON ENGLISH SPEAKING OPERATIVES)**	LA Metalworks supervisor to brief all operatives.
9.1	**CONFIRMATION OF OPERATIVES BRIEFING:**	Signed briefing sheets to be submitted prior to commencement of works

10.0	**PERSON RESPONSIBLE FOR MONITORING/REVIEW OF THE SAFE SYSTEM OF WORK AND ENSURING COMPLIANCE:** *Show here who is responsible for this operation/task, and their contact numbers.*	LA Metalworks site supervisor.
10.1	**REVIEW DATES:**	1 monthly or if scope/methodology is required to change.
10.2	**AMENDMENTS AUTHORISED BY:**	T Mc Mahon
10.3	**AMENDMENTS COMMUNICATED TO:**	ISG Site Management and LA Metalworks site supervisor.
10.4	**DATE:** **REVISION STATUS:** *E.G A,B,C ETC*	15/12/2020- Revision 01

Manual Handling Operations Checklist

Mark boxes as appropriate. Every activity must be marked

Company: LA Metalworks	Project/premises Sycamore House	Activity: De-construction of water tanks
De-construction of water tanks	Hazardous contents Silica Dust	Location Lobby/GF area
Can manual handling be eliminated: No		

TASK

YES ☒NO☐ YES ☒NO☐ YES ☒NO☐ YES ☐NO☒ YES ☒NO☐ YES ☒NO☐ YES ☒NO☐ YES ☒NO☐ YES ☐NO☒ YES ☐NO☒ YES ☐NO☒ YES☐NO☒

LOAD

YES ☐NO☒ YES ☐NO☒ YES ☐NO☒ YES ☐NO☒ YES ☐NO☒ YES ☐NO☒ YES ☒NO☐ YES ☒NO☐ YES ☐NO☒

ENVIRON

YES ☐NO☒ YES ☐NO☒ YES ☐NO☒ YES ☐NO☒ YES ☒NO☐ YES ☒NO☐ YES ☒NO☐ YES ☒NO☐ YES ☐NO☐ YES ☐NO☒ YES ☐NO☒ YES ☒NO☐

PERSON

YES ☐NO☒ YES ☒NO☐ YES ☒NO☐ YES ☒NO☐ YES ☐NO☒

Control measures

Use the available mechanical means

Assessor Name **T Mc Mahon** **Signature:** *T Mc Mahon* **Date:** 15/12/20

Risk Assessment Log

Project Name: Sycamore House

Document Status

Rev No:	Date	Reviewed	Document Prepared By
01	15/12/20	Initial issue	T Mc Mahon

Risk Assessment

Date: 15/12/20

Assessor: TM

JOB/TASK:
De-construction of Water Tank

RA No. 01 | **Sheet 1 of**

Persons Affected; Employees [x] **Contractors** [x] **Client Employees** [x] **Public** [x]

Project Address
Sycamore House
Gunnels Wood Rd,
Stevenage

Project Number
EN20032-04 Rev 01

Management Systems Required

Permit to Work Reference Numbers:
Permit to Demolish & Dig (from ISG)

Risk Assessment Matrix

X	5	4	3	2	1
5	25	20	15	10	5
4	20	16	12	8	4
3	15	12	9	6	3
2	10	8	6	4	2
1	5	4	3	2	1

Low 1-6 Medium 8-12 High 15-25

Standard Control Measures

No.	Hazard	Risk	S	L	R	Control Measure	S	L	R
1	Manual Handing	Manual Handling / Repetitive Strain / Musculoskeletal Injuries if the Load is too Heavy or Awkward	4	3	12	• Follow Manual Handling and lifting techniques covered during induction. • Eliminate manual handling wherever possible. • Minimise distances from storage areas to work areas. • Operative involved in handling to decide if he / she is physically capable prior to lifting and carrying (toolbox talk to be given on the right way to lift – kinetic lifting). • Operative to get assistance from team members, if load is too heavy, bulky or awkward. Or break down into smaller loads. • Swap tasks with other team members regularly to avoid repetitive strain. • Take regular breaks where necessary.	4	1	4

New Control Measures

Residual Risks	*Additional Control Measures*	S	L	R	Completion Date & Signature

2	Use of power tools	Injury to operatives from using tools	3	3	9	• Only trained and competent operatives are to use equipment. • Establish exclusion zone around work area to prevent unauthorised persons not involved with task. • HAV's to be monitored by site supervisor. • Task specific PPE to include hand protection (BS EN 374) and eye protection (BS EN 166B).	3	1	3							

S	**Severity**
L	**Likelihood**
R	**Result**

SEVERITY		**LIKELIHOOD**
No Injury	**1**	**Almost Never**
Minor Injury	**2**	**Seldom**
>7 day Injury	**3**	**Possible**
Major Injury	**4**	**Probable**
Death	**5**	**Frequently**

This continuation sheet should be attached securely to the first sheet

S – Severity **L – Likelihood** **R - Result**

No.	Hazard	Risk	S	L	R	Control Measure	S	L	R	Additional Control Measures	*Action By and Time Scale*	S	L	R	Completion Date & Signature
3	Noise	Exposure of operatives/site staff to elevated noise levels	4	3	12	• Select tool with lowest noise output where possible. • Ensure hearing protection is used for noise levels that exceed 80 dB (A). • PPE to include hearing protection (BS EN 352-3). • Establish a hearing protection zone with signage where noise levels exceed 85dB (A). • Rotate operatives working in noisy areas to minimise exposure. • Regularly maintain tools to reduce noise levels.	4	1	4						
4	Dust	Operatives/3rd parties being exposed to elevated dust levels	4	3	12	• Damp down materials where necessary if dust is being generated • Dust masks to be worn during works if dust is being generated	4	1	4						
5	HAV's	Operatives exposure to Hand Arm Vibration syndrome	4	4	16	• Select tool with lowest vibration output. • Ensure tools are properly maintained. • Ensure attachments are in good condition and correct for tool. • Ensure operatives are aware of how to avoid and can recognise symptoms of Hand Arm Vibration Syndrome (HAVS) & Carpal Tunnel Syndrome (CTS). • Rotate operatives where possible to minimise exposure to HAVS • Operatives must not be allowed to exceed the maximum exposure time limits. • Operatives must report any symptoms of HAVS to supervisor.	4	1	4						

						• Supervisors/Managers to monitor exposures regularly. • Operatives to wear gloves to keep hands warm. • Supervisor to regularly check operatives for symptoms of HAVS • HAV questionnaires to be carried out with all operatives during site induction and every 6 months there after."			
6	Use of hand tools	Injury to operatives/3rd parties	4	4	16	• Use tools only for their intended/designed purpose. • Ensure tools are in good condition prior to use.	4	1	4
7	Flying debris	Injury to operatives/3rd parties	4	4	16	• Establish exclusion zone during the demolition works. • If required, use spotters when working near site walkways to prevent interface with 3rd parties • Addittional protection is to be installed if there are any risks of debris making contact with RSK assets.	4	1	4

SEVERITY		LIKELIHOOD
No Injury	1	Almost Never
Minor Injury	2	Seldom
>3 day Injury	3	Possible
Major Injury	4	Probable
Death	5	Frequently

No.	Hazard	Risk	S	L	R	Control Measure	S	L	R	Additional Control Measures	*Action By and Time Scale*	S	L	R	Completion Date & Signature
8	Working at height	Operatives	5	3	15	• Upon delivery to site, operative are to inspect all components to ensure all are present and free of damage. • Works to be assessed and only the most suitable equipment appropriate to the task is to be utilised. • Ensure towers/podiums are erected and inspected by PASMA trained operatives. • Towers/Podiums only to be erected on solid, flat level ground. • Ensure wheels brakes are locked off. • Tower to be inspected and Scaff tagged upon first use, after significant alteration and then every 7 days the tower remains erected by a PASMA trained competent person. • Close guard – rail / gate at all times whilst on the working platform. • The SWL of the platform is to be adhered to at all times. Materials/equipment to be moved manually and internally within the tower structure. • If a MEWP is required during the course of the works, it is to operated by a trained and competent operator only.	5	1	5						
9	Slips and trips					• Ensure that work areas are adequately illuminated and clearly demarked. • Maintain good housekeeping practices in all work areas and work platforms, do not allow waste, tools or stores items to accumulate in work areas and access/egress routes. • Promptly dispose of waste in designated skips, bins or areas. • Clear work areas as works progress. • All cables and hoses to be suspended wherever possible									

						or to be run alongside access/egress routes.										
10	Eye injuries	Operatives suffering eye injuries	5	3	15	• Safety glasses to be worn at all times • Impact goggles to be worn if undertaking any hot cutting works.	5	1	5							
11	Demolition Operations	Operatives/3rd Parties	5	5	25	• Exclusion zones must be set up and marshalled at all times with appropriate signage (Demolition Zone-Keep out). To be managed by supervisor at all times. • Temporary works design sequence to be followed. If the site conditions require a design change, this must be notified to the temporary works designer for approval.	5	1	5							
12	Service strike	Operatives cutting though live cables causing injury	5	5	25	• Through liaison with the client, establish the exact nature, location and status of all existing services on site prior to commencement of works. Do not work within 1m of a live service. • Where services have been identified, client to mark, protect and arrange for necessary isolations. • Where necessary the Client will scan to positively locate services. • Ensure Permit to commence works (Demolish and Dig) has been issued by client. • Any damage to services is to be reported immediately and all works to cease. • LAM not to work near any live cables/services.	5	1	5							

13	Material falling from height					• Ensure bystanders are kept away from the work area by means of an exclusion zone and erect signage. •Do not leave any structural elements in a state that they could blow away/get dislodged. .										

No.	Hazard	Risk	S	L	R	Control Measure	S	L	R
14	Exposure to ACM's	Contracting asbestosis	5	4	20	• Client to provide a copy of asbestos register for premises and any surveys carried out. • Operatives to have asbestos awareness training. • Plan works to avoid disturbing asbestos and any asbestos containing materials (ACM's) if there are any present. • Where works in areas of asbestos or ACM's is carried out, conduct works briefing and toolbox talk on control measures, what to look for and ill health effects. • On discovery of any asbestos or suspicious materials, stop work immediately, clear areas and report to supervisor and client. DO NOT resume work until confirmation of materials has been given, revised safe system of works issued and authorisation given by senior management. • Any accidental exposure or contamination is to be reported to site management • Asbestos removal operations are only to be carried out by specialist licensed contractor.	5	1	5
15	Covid-19	Contracting Covid-19	5	4	20	• Comply with site's Covid-19 policy/guidance as detailed in site induction.	5	1	5
16									

Additional Control Measures	*Action By and Time Scale*	S	L	R	Completion Date & Signature

Assessor Signature *T Mc Mahon*

Date: 15/12/20

Noise Assessment Single Equipment

Project: Sycamore House	**Activity:** De-construction of Water Tank	**Sheet**: 1 of 1	**Completed By: TM**	**Date: 15/12/20**
Project No: 20032	**People affected / at risk of being harmed:** Operatives			

No	Activity	Tools in use	Pre Control Risk Rating		Controls Required	Post Control Risk Rating		
			High Above 85dBa	Medium 80 – 85dBA		High	Medium	Low
1	**Hydraulic breaking**	**8t excavators hydraulic breaker**	**105 dBa +**		☐ Can the noisy work be eliminated? No ☐ Can the equipment be substituted? No ☐ Can the number of employees exposed be reduced? Yes How……Planning the works so as to segregate work groups as much as practicable…… ☐ Can the exposure time be reduced? No ☐ Hearing Protection provided on request Yes ☑ Mandatory Hearing Protection Yes ☐ Hearing Protection Zones set up Yes How…Supervisor to ensure all operatives in the work area where ear protection ☐ Signage in place Yes How……Supervisor to ensure appropriate signage set up in the works area……			

Guidelines;

- **80dBA** is the First Action Level – hearing protection should be offered.
- **85dBA** is the Second Action Level – hearing protection is mandatory.
- Before resorting straight to PPE, look at the organisation of the work and consider if the risk can be reduced any other way. For example by isolating the noisy work, reducing the number of people exposed, or the length of time someone is working in the noisy environment
- Noise ratings can be determined using a sound level meter. Should you require a noise assessment, please contact the Health & Safety Dept.
- As a rough guide, if you have to raise your voice to be heard from 2 metres away, the noise will be approximately at the first action level. If you are raising your voice to be heard at 1 metre away from the source, it is likely to be at the second level
- Download the Noise Exposure Calculator from **http://www.hse.gov.uk/noise/calculator.htm** to calculate exposure from multiple activities or to calculate exposure duration before the action level is reached
- Don't forget to take into account other persons working within the noisy area.
- **Exposure limit values (ELV):** These relate to personal exposure to noise and must not be exceeded, peak sound pressure of 140 dB.