

G.P.A ANCOATS C0640

Removal of Boundary wall and Hoarding Installation along Canal Boundary

Document Reference: PPO RAMS – G.P.A - 002– Rev 00

Rev No.	Review Comments	Prepared By:	Date	Reviewed By	Date	Client Approved	Date
0	First Revision	Sam Watson	13/03/25	Brian Prescott	14/03/25		
1	Update Following Methodology Review with site team	Sam Watson	21/03/25	Brian Prescott	21/03/25		

Rev No:	Signed Contracts Manager:	Date:	Signed Site Manager:	Date:
0				
1				
2				

THIS RAMS MUST BE REVIEWED AT A PERIOD NOT EXCEEDING 4 WEEKS OR WHEN CIRCUMSTANCES HAVE CHANGED

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Project / Site: Manchester Digital Campus			RISK ASSESSMENT				Page 2 of 12																																																																										
Task Location: Boundary between Manchester Digital Campus and Rochdale Canal.			Task: Removal of Boundary wall and installation of Hoarding.		Ref No: GPA- RAMS 02		Date Task Starts: TBC																																																																										
Key to Risk Rating: <table><tr><td rowspan="6">Likelihood (L)</td><td></td><td colspan="5">Severity (S)</td></tr><tr><td></td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr><tr><td>1</td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr><tr><td>2</td><td>2</td><td>4</td><td>6</td><td>8</td><td>10</td></tr><tr><td>3</td><td>3</td><td>6</td><td>9</td><td>12</td><td>15</td></tr><tr><td>4</td><td>4</td><td>8</td><td>12</td><td>16</td><td>20</td></tr><tr><td>5</td><td>5</td><td>10</td><td>15</td><td>20</td><td>25</td></tr></table> <table><tr><td colspan="2">Likelihood (L)</td><td colspan="2">Severity (S)</td></tr><tr><td>1</td><td>Very Unlikely</td><td>1</td><td>Minor injury, no lost time, no damage</td></tr><tr><td>2</td><td>Unlikely</td><td>2</td><td>Minor injury, less than or equal to 3 days lost time, minor damage</td></tr><tr><td>3</td><td>Likely</td><td>3</td><td>Reportable injury, 3+ days lost time, temporary disruption to operations</td></tr><tr><td>4</td><td>Very Likely</td><td>4</td><td>Major injury, damage, theft</td></tr><tr><td>5</td><td>Certain</td><td>5</td><td>Fatality, major damage, industry disruption</td></tr><tr><td colspan="4">Risk Rating (RR) = Likelihood (L) x Severity (S)</td></tr></table>											Likelihood (L)		Severity (S)						1	2	3	4	5	1	1	2	3	4	5	2	2	4	6	8	10	3	3	6	9	12	15	4	4	8	12	16	20	5	5	10	15	20	25	Likelihood (L)		Severity (S)		1	Very Unlikely	1	Minor injury, no lost time, no damage	2	Unlikely	2	Minor injury, less than or equal to 3 days lost time, minor damage	3	Likely	3	Reportable injury, 3+ days lost time, temporary disruption to operations	4	Very Likely	4	Major injury, damage, theft	5	Certain	5	Fatality, major damage, industry disruption	Risk Rating (RR) = Likelihood (L) x Severity (S)			
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Activity	Identified Hazards and Associated Risks	Risk Rating			Control Measures				Residual Risk		Persons at Risk - Workforce - Visitors - Public	Monitoring Responsibility																																																																					
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Working close to the Canal.	Working in close proximity to deep water Unauthorised access Plant working close to canal edge. People/ Material entering the canal	3	4	12	- Heras panels with debris netting placed between work taking place and canal edge to prevent materials entering the Canal. Heras panel placed 1m from Towpath Wall. - Plant restrictions marked on the ground to ensure no plant encroaches to close to the canal. Restriction will be 1.5m from Towpath wall. - All temporary works will have design checks carried out to ensure no materials enter the Canal. - No excessive vibration within the works covered in this set of RAMS. - All refueling will be completed at other end of the site. (Approx 130m from Canal) - Entire SSOW to be agreed with C&RT Engineers.	2	2	4	All persons on site / General Public	PPOC
General	Slips, Trips & Falls Possible injury to occupants in office, car park areas and site working areas	3	4	12	- Always maintain good levels of housekeeping. - Clean up spills immediately – spill kits. - Avoid trailing leads. - Eliminating uneven floor and ground areas were reasonably practicable.	1	4	4	All persons on site	PPOC

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	Poor housekeeping. Spillages of liquids. Mud and loose rubble. Uneven floors and ground areas. Obstructions. Inadequate lighting. Inadequate signage.				• Maintain clear access routes – clear away any accumulation of rubbish, materials, cables and hoses to prevent obstructions. • Install adequate lighting to work areas, corridors and stairs. • Display information/safety signage.					
General	Access & Egress.	3	3	9	• Segregated access and egress routes to be clearly marked and signed on site • All operatives to be briefed on & use of designated access & egress routes that are clearly marked and defined. • Maintain good levels of housekeeping at all times. • Separate pedestrians from plant/ vehicles through use of fencing. • Keep emergency routes clear. • Keep designated access routes clear at all times. • Only designated vehicles permitted on site	1	3	3	All persons on site	PPOC
Persons on site	Unauthorized access Public interface	4	2	8	– Excavations exclusion zones to be designated by fencing and safety signage to be established and secured. – Controlled access into the working zone will be established with the use of a banksman. – Site vehicles to check for pedestrians and traffic before driving out of and on to site – All persons on site to be vigilant for members of the public and third parties at all times – Supervisors to coordinate works with other trades in the area if any. •	4	1	4	Operatives & Operators	PPOC
General	Manual Handling Personal Injury Manual Handling Back Strain Slipped Disc Hernias Lacerations	3	3	9	• Always use mechanical devices wherever possible. • Reduce risk of injury to lowest level reasonably practicable by use of slings, hand grips. • Where the use of a machine is impracticable, sufficient labour must be available to handle any heavy or awkward loads and instructions must be issued to site on the handling of these loads (2 person lift on all fence panels and fencing blocks). • All operatives will be given training in the correct methods of handling and lifting loads as part of their normal site safety training. • Maintain High levels of housekeeping at all times	1	3	3	Operatives	PPOC Supervision

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	Crushing of hands or fingers Bruised or broken toes or feet Various sprains, strains, etc.				- Access & material transfer routes to be kept clear. - Supervisors will ensure that a supply of suitable gloves is available from issue as required for the handling of materials which could cause injuries to the hands. - All lifting devices are to have correct certification.					
General	Noise Induced hearing loss. Complaints from site Neighbours.	4	3	12	- Identify noise sourced above 85db. - If noise exceeds 85db adequate hearing protection is to be worn. - Where possible create distance between the noise source and all persons. - Ensure hearing protection area is set up – Signage. - Ensure noise assessments are carried out and a record kept. - All plant to be suitably silenced when required. - All doors around engines to be closed and sound proofed.	1	3	3	All persons on site	PPOC Supervision
General	Personal Protective Equipment	3	4	12	- PPE IS THE LAST FORM OF DEFENCE. - PPE is mandatory on all sites (Minimum – Safety helmet, light eye protection, high visibility waist coat or jacket, trousers, gloves and approved foot protection). - PPE must be worn at all times - Additional task specific PPE will be made available and must be worn at all times such as ear defenders and goggles - Some PPE requires periodic testing/ inspection - Records are to be kept - Uncertified PPE must not be used - All PPE that is damaged must be immediately replaced and reported to the supervisor. Damaged PPE is to be disposed of.	1	4	4	All persons on site	PPOC Supervision
General	Weather conditions	4	3	12	- Due consideration to ground conditions must be observed during heavy rain. - Due consideration to ground conditions must be observed during snow periods. - Due consideration to ground conditions must be observed during periods of dry weather and dust mitigation measures must be adhered to. - During adverse weather conditions appropriate PPE must be worn. - During sunny periods it is advised that skin protection measures are encouraged to all external working persons.	1	3	3	All persons on site	PPOC Supervision
General	First Aid provisions	2	3	6	- Each site must have a first aider on site at all times. - All persons on site to be made aware of whom the first aider is (Induction or tool box talk). - Notice boards must display the first aiders name and first aid procedures.	1	3	3	All persons on site	PPOC,

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					A first aid kit or kits must be available and match the number of persons on site.					
General	Visitors	3	4	12	- No non-personnel access into the working area. - Exclusion zones will apply at all times. Competent operative to be in control of works area. - Visitors must be site inducted (Full or Part). - Visitors must be made aware of DABS. - Visitors to site are to be escorted by fully inducted persons	1	4	4	Operatives & Plant Operatives	PPOC
Persons on site	Security Unauthorised access Public interface	4	2	8	- PPOC Banksman to maintain, monitor and marshal the work zone to ensure there is no unauthorised access. - Controlled access onto the site is in place - The access points are to be secured when there are no vehicular movement - Site vehicles to check for pedestrians and traffic before driving out of and on to site - All persons on site to always be vigilant for members of the public and third parties - If a member of the public is witnessed on site and not escorted, then all work must stop and the person taken to the site office. - Supervisors to coordinate works with other trades in the area if any. - No reversing movements without a Banksman.	4	1	4	Operatives & Operators	PPO Supervision
Use of Mechanical plant / plant movements	Operatives being struck by vehicles using vehicles Accessing & egressing from works area.	2	4	8	- Competent operative and supervisor to be in control of works area. - Ensure vehicle routes and site access and egress are clearly defined and maintained. - Site supervisors to monitor. - A general overview of Traffic management arrangements to be explained during induction. - High-visibility clothing to be worn. - Pedestrians prohibited from works area unless authorised by banksman after ensuring machines are stood down. - Where possible pedestrian / vehicle routes to be established & clearly signposted. - Safe walking routes to be in place and adhered to. - Plant to remain inside work area unless they need access/egress elsewhere.	1	4	4	All persons on site	PPOC Supervision
Operation of plant	Fitting Hydraulic Attachments to Excavators	3	3	9	- Only competent operatives to change attachments. - Ensure attachments are correct for the plant using it. If not do not proceed.	1	3	3	Plant Operatives	PPOC Supervisor

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	Poor Connections Cuts and abrasions Crushing Contact with moving parts Trapped Fingers Skin contact with hydraulic oil Environmental incident				- The use of correct PPE when changing attachments i.e., impervious gloves, eye protection, coveralls. - Ensure a spacious change over work area is designated to work unhindered. Operatives do not work under or near moving excavator arms. - Ensure that fingers are away from areas of possible entrapment such as at fixing points where pins are inserted. - Inform operatives of the findings of COSHH assessments for hazardous substances used. - Hoses changed on drip trays and any drips disposed of appropriately.					
Operation of plant	Fuel or hydraulic oil leaks from plant and spillage Slips/ falls Dermatitis Environmental impact due to spillage	2	2	4	- Spill kits to be made available on site. - All drivers to be trained in the operation of fuel pumps. - All spills to be cleaned up immediately. - Apply barrier cream before operation. - Wash hands after operation. - PPE to include impervious disposable gloves, (PPE issue). - All fuel bowsters to be double banded.	1	2	2	Plant Operatives	PPOC Supervisor
Install Debris Netting	Access and Manual Handling	1	2	2	- Operatives trained in Manual Handling and Safe manual handling techniques used - Debris netting to be installed on Heras panels after the panels are installed.	1	2	2	Operatives/ Site Management	PPOC Supervision

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METHOD STATEMENT	
Contractors to be used on site	PP O'Connor and Hoard-It
Method of Communication	Briefing after induction.
Specific PPOC Contacts and phone numbers	Contracts Director: David Worth (david.worth@ppoconnor.co.uk) 07872 456275 Contracts Manager: Brian Prescott (brian.presscott@ppoconnor.co.uk) 07803406110 HSEQ Manager: Nikki Rowen (HSEQ@ppoconnor.co.uk) 0161 776 0333 Works Manager: Sean McCann (Sean.McCann@ppoconnor.co.uk) Design Manager: Sam Watson (sam.watson@ppoconnor.co.uk) 07932788232 Site Manager: David Dawber (David.dawber@ppoconnor.co.uk) 07532 513611
Working Hours	07.30– 17.30hrs
Clients Specific Requirements	N/A
Training / Competencies required for personnel undertaking the task	Manager Supervisor: SMSTS/SSSTS, CSCS, First Aid Plant Operatives: CPCS/NPORS Groundworkers: CSCS
Emergency Arrangements (First Aid, Rescue, Fire, Location of nearest hospital / A&E)	<u>Emergency Arrangements</u> On-site emergency procedures & assembly points will be made clear in the Site Induction. All PPO site staff & operatives are to follow their site rules & direction.

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Attach maps / drawings as necessary	Emergency Contact List: <table><tr><td></td><td></td><td></td><td></td></tr><tr><td>PPO HSEQ Manager</td><td>Nikki Rowen</td><td>Nikki.Rowen@ppoconnor.co.uk</td><td>07522 226318</td></tr><tr><td>PPO HSEQ Director</td><td>Martin O'Donnell</td><td>Martin.odonnell@ppoconnor.co.uk</td><td>0161 776 0333</td></tr><tr><td>Police</td><td></td><td></td><td>999</td></tr><tr><td>Fire</td><td></td><td></td><td>999</td></tr><tr><td>A&E</td><td>Manchester royal infirmary upper brook street Manchester M13 9NZ</td><td></td><td>999</td></tr></table>					PPO HSEQ Manager	Nikki Rowen	Nikki.Rowen@ppoconnor.co.uk	07522 226318	PPO HSEQ Director	Martin O'Donnell	Martin.odonnell@ppoconnor.co.uk	0161 776 0333	Police			999	Fire			999	A&E	Manchester royal infirmary upper brook street Manchester M13 9NZ		999
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Access and Egress Arrangements Attach maps / photos as necessary	There is a point of access/egress to/from site on OLD MILL STREET Delivery wagons will be accompanied by banksman when required while on site. Tipper and Delivery wagons will be accompanied by banksman when required while on site. All vehicles must be reverse parked only. No waiting outside the site entrance GATE TO BE KEPT SHUT AT ALL TIMES																								
Traffic Mgmt. & Plant / Equipment Delivery	ALL DELIVERIES TO CALL SITE MANAGER BEFORE ENTERING SITE TMP to be established and updated by the principal contractor. All site personnel will be briefed upon the TMP during induction and within the daily activity briefings.																								
Procedure for Changes to Planned Activities	Any changes to planned activities will in the first instance be communicated in principle to the client for initial approval. The Method Statement will then be revised by the PPO Site Manager in line with the proposed changes, and in turn must be approved by the PPO Contract Manager. Upon internal approval, the RAMS must then be submitted to the client for ultimate approval. Changes to RAM's will require approval from C&RT Representative.																								

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	The revised RAMS will then be briefed to the workforce on site by the Site Manager, with signatures collected respectively.
Asbestos Management & Control	If asbestos is discovered or suspected. Follow SOP 1 Managing Asbestos
Plant & Equipment incl. portable tools	- Excavator (Size to be confirmed approx. 15t) 6t Dumper Small tools to remove wall sections
Materials to be used (Inc. COSHH)	- Diesel - AdBlue - Hydraulic/Engine Oil
Interfaces with other contractors	Co-ordinate within daily briefings.
Temporary Works, Structures, Falsework	NA for this works.
Environmental Impacts e.g., waste, pollution, flora and fauna, Noise, Vibration, Air Quality, Dust etc.	Dust suppression to be in place if needed. Noise/Dust to be monitored.
Working Procedure	Towpath Heras fencing will be completed by PPOC including the edge protection along Canal. PPOC will complete the removal of the wall and place the 100mm layer of type 1 to provide level surface for hoarding. Hoard-It will complete all work associated with hoarding install.
Sequence of Events <i>Identify specific stages throughout the task to be carried out (Add drawings / photos / maps as necessary)</i>	

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Pre-commencement

- All operatives shall need to have the mandatory PPO'Connor induction before being allowed to work on this site.
- Operatives shall be checked that they are competent to carry out the task, ensuring that all

Methodology

1. The first activity will be to place chapter 8 signs. As we will be reducing the width of the footpath by 1m.
2. We will place Heras panels 1m from existing boundary wall, These Heras Panels have debris netting placed on them to prevent any material entering the Canal.
3. Heras panels will have blocks supporting them and Temporary works checks completed to ensure there is no risk of them falling over.
4. Within our site, PPOC engineers will mark up a plant exclusion zone. This will be 1.5m from the Towpath wall. No plant will go within 1.5m of Towpath.
5. Once towpath fencing is in place, we will begin removal of existing wall- This method to remove the wall will be to focus on 30m sections each day. Removing first the metal railings before removing the upper aspects of the wall using the excavator the pull the wall into the site. The Final 4 course of brick will be removed by hand using small tools to break free ensuring the towpath receives no damage. Material will be placed in dumper to be transported to skips within the site.
6. Following the Removal of the wall a layer of 100mm of Type 1 material will be used to provide a level area to place the hoarding, including for the ballast block.
7. To avoid multiple work faces in a small area. Removal of the existing wall will take place in advance of hoarding installation. Durations will be 1 week to remove wall and place Type 1 Material. Following week Hoard-IT will install hoarding this will also take 1 week to completed as Hoarding installation team can complete 30m per day.
8. Hoarding Install will be as per Hoard-It Safe system of work. (Hoard-It safe system of work included in supporting documents)
Summary of hoarding Install. Blocks are placed at 1.32m intervals, uprights are attached to the blocks and finally boards are attached to uprights. The methodology ensures the no risk of items of hoarding entering canal. It also ensures that's telehandler used to lift the blocks and uprights does not need to enter the plant exclusion zone.
9. Following Installation of Hoarding the towpath will be cleaned and cleared of any material form the construction works including the Heras panels.
10. Following removal of final Heras panels and cleaning we will remove the chapter 8 signs.

Material removed from wall will be sent down waste routes in which the material we be reused.

Line of Hoarding is to be placed in same location of existing wall so width of towpath will remain the same width throughout length of closure.

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P.P.E to be Worn (Red is mandatory unless risk assessed out):					
Type	Standard	Req Y/N	Type	Standard	Req Y/N
FR & Arc Coveralls		N	RPE (Disposable)		N
FR Coveralls		N	RPE ½ Face Mask		N
Standard Coveralls		N	RPE Full Face Mask		N
Hi Vis Jackets	EN20471	Y	Hard Hat	EN397	Y
Hi-Vis Trousers	EN20471	Y	Bump Cap		N
FR Undergarments		N	Standard Gloves	EN388	Y
Knee Pads		N	LV Gloves		N
Eye Protection (Glasses)	EN166	Y	Leather Gauntlets		N
Eye Protection (Goggles)		N	Safety Footwear	EN20345	Y
Face Shield (Arc Protect)		N	Wellingtons (Safety)		N
Additional / Other PPE <u>specified / required</u> by the <u>risk assessment</u> for the activity:					
Permits Required:					
Waste Transfer Notices					
Waste Carrier Licenses					

Confirmation of RAMS Briefing

Signature	Name	Employer	Date

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