

Site	Revision		Reference No:
The Seam	Revision 4		2496
Description of work:			Date: 21 st October 2025
Cleaning of upper boundary wall, stonework rebuild and repairs			
Project address:	The Seam Car Park, Barnsley, S70 2JW		
Client:	Willmott Dixon Construction Ltd		
Start Date:	26 th August 2025	Finish Date:	Provisional – 18 th November 2025
Name of producer:	Wayne Sturman		
Sequence of operations:			
<u>Cleaning the existing stone</u>			
Working from an independent scaffold this will be fully sheeted to protect public and vehicles.			
Cleaning in progress signs to be erected in vicinity of works.			
We will visit site and carefully remove the existing vegetation from the stone, where roots are deep these will be cut back and an herbicide applied to kill any roots embedded in the masonry.			
Clean car park side of existing stonework to the retaining wall to railway arches using the DOFF/Thermatech cleaning system.			
Clean the south return from ground level up to the coping detail, also the east face of the south end the other side of the Digital Media Centre building to the return leading up to County Way using the DOFF/Thermatech cleaning system.			
This will remove biological growths such as moss and algae and gently clean off surface dirt from the stonework. It will not remove carbon or deep staining.			
<u>Removing metal fixings</u>			
Working from an independent scaffold remove the redundant metal fixings in the face of the historic stone. These will either be pointed up or a stone plug will be installed and secured in resin. Operatives will wear a Sundstrom FFP3 half mask or full face mask to prevent inhaling silica dust when drilling holes in to the masonry.			
<u>Rake out and repoint</u>			
Working from an independent scaffolding carefully rake out the joints between each stone to a suitable depth and prepare for re-pointing. Operatives will wear a Sundstrom FFP3 half mask or full face mask to prevent inhaling mortar dust when grinding out existing mortar joints.			
Point the prepared joints using a lime based mortar to be confirmed and brush back flush to the face of the stone.			
Re-point the east elevation and south return from ground level up to the coping detail, also the east face of the south end the other side of the Digital Media Centre building to the return leading up to County Way.			
<u>Missing stone to wall face</u>			
Install missing stone units to the east elevation of the vertical wall face approx. 2-3 units, these will be sourced, cut and dressed to match the existing and installed using a suitable lime mortar brushed back flush.			
<u>Existing copings</u>			
To enable the lifting of the stone copings Bonsers personnel shall drill a core hole into the centre of each stone coping to allow the Lewis Pin to be installed, this will then be connected to the excavator via a suitable attachment which is appropriate for lifting which are both being supplied by Moortown Group Ltd. Moortown Group Ltd to supply RAMS direct to Willmott Dixon who will discuss with the site team. This should include secondary slings in the event that the Lewis Pin fails.			
The excavator being supplied by Moortown Group Ltd is a Kubota KX080-4A2. Moortown Group Ltd to ensure all relevant certification and qualifications for operation are sent to Willmott Dixon.			

Loler certificate is supplied for the Lewis Pin, which is certified for lifting up to one tonne.

The mechanical movement of the stone copings will be controlled by operatives working for Moortown Group Ltd, with Bonsers personnel manually guiding the copings into place.

The stone copings will be re-bed on a suitable lime mortar on the correct line to allow them to discharge water away from the face of the building.

Lifting coping over the steels only

Working from an independent scaffold and using an installed lifting sited over each embedded steel carefully lift the existing coping to allow the embedded steel to be removed, approx. 12no location. Once complete re-bed the coping with a suitable lime mortar brushed back flush.

Repairs to skyward facing surface of the copings

Gain access off the installed scaffold and inspect the skyward facing surface of the existing coping for defects, this will be itemised and reported back.

Carry out minor repairs to the top of the coping buffing back capped edges to allow the existing coping to shed water correctly, point cracks with a suitable lime mortar brushed back flush, we have allowed to repair 15% of the overall copings.

Remove existing steels

Gain access off the installed scaffold and carefully remove the existing steel beams embedded into the stone wall. Once the coping has been removed the stone will be carefully removed around the steel to allow the steel to be taken out.

Once removed the existing dressed stone will be replaced and pointed up using a suitable lime mortar ready for the coping to be replaced, we have allowed for 12no steels in total.

Take down and rebuild stonework

Gain access off the installed scaffold and carefully take down approx. 4m² of existing rebuilt stonework, dress and stack on the scaffold for re-use.

Prepare the stone below and rebuild the existing stone, keeping the stone in courses where possible using a suitable lime mortar brushed back flush.

Supply new stone to replicate the existing if required.

Stone capping and repairs to south end east elevation

Gain access off the installed scaffold and carry out repairs to the heads of the stone buttresses where stone is missing, install new stone to the head of the buttresses to bring up the level and install a flat stone slab in sections to the head of the wall to act as a coping and stopping water penetrating the stonework.

South end return

Gain access off the installed scaffold and rake out the existing stonework either side of the south entrance steps and prepare the surface for repointing. Operatives will wear a Sundstrom FFP3 half mask or full face mask to prevent inhaling mortar dust when grinding out existing mortar joints.

Repoint each side of the steps including the copings with a suitable lime mortar brushed back flush.

Where copings are loose to the east side, these will be lifted and re-bedded again in a lime mortar and pointed flush.

Make good minor repair works to the stonework on the south east corner where the wall has been cut back to create a flush finish.

Risks specifically relevant to this method statement:

- Musculoskeletal injury from handling heavy materials
- Hearing loss to those in immediate vicinity
- Eye injury and respirable injury from raking and grinding out mortar and inhaling dust
- Working at height to a maximum of 6 metres
- Slips, trips and falls
- Scaffold collapse
- Falling material
- Skin burns and irritation from contact with lime
- Hand arm vibration injury from use of vibrating hand tools
- Electric shock from use of 240v DOFF
- Injuries from pressure washing
- Infection and/or disease from contact with pigeon guano

Means by which the job will be supervised:

The Supervisor shall ensure safe working procedures are adopted at all times and is responsible for monitoring the works to ensure it complies with the requirements of the method statement and risk assessments.

Name of person responsible for implementation:

- Jo Bonser
- Wayne Sturman

Specific qualifications of workforce:

- Supervisors SSSTS certificated
- All operatives are CSCS certificated
- All operatives are trained in Safe Working at Height
- Maximum of 6 members of workforce at any one time.
- Training certificates for supervisors to be issued to Willmott Dixon ahead of works commencing.

First Aid facilities/personnel:

- Supervisor – Fully Qualified First Aid trained person present with a fully stocked first aid kit in works vehicle.
- Operators – Emergency First Aid at Work certificated
- First Aid personnel and facilities provided by Principal Contractor/Client

Details of proposed site layout and access and egress into and across site:

- The works vehicle shall be parked as close to the working area as possible to reduce distance of travel when carrying materials and equipment.
- The works vehicle shall be parked adjacent to the working area to unload and then moved to a designated parking area.
- Bonsers personnel will sign in and out daily using the Principal Contractors preferred method.

Means by which information will be passed to those performing the work:

- The Principal Contractor shall carry out induction training for all new site personnel informing of items such as fire points, electric, water, assembly points and emergency procedures.
- A pre-start briefing will be held by the Project Manager to the Supervisor/Operatives to explain the nature of the work, specific site hazards and the safe working procedures to be adopted. The Supervisor shall convey relevant information to the operatives.
- Toolbox talks shall be given regularly by the Supervisor on relevant topics.

Arrangements for delivery, stacking, storing and movement of materials on site:

- Materials will be brought to, and removed from, site daily via the works vehicle.
- Only small quantities of materials required will be taken to the working area.
- Materials to be stored in a designated area on site for Bonsers use.
- 110v electric hoist to be used to manoeuvre materials from ground level to working area on scaffold.

Access equipment to be used:

Equipment	Supplier	Contact Number:
Independent scaffold	Willmott Dixon Construction Ltd	0113 2383 283
Block and tackle	Bonsers Nottingham Limited	01636 815 986
110v Electric Hoist	Bonsers Nottingham Limited	01636 815 986
Lewis Pin – 1 tonne maximum weight	Bonsers Nottingham Limited	01636 815 986
Web slings	Bonsers Nottingham Limited	01636 815 986

Work equipment to be used:

Equipment	Vibration m/s2	Action Value	Limit Value	Noise (dB(A))
240v DOFF powered by diesel generator	3.2	4h 53m	8h 0m	94
Makita 5" grinder GA5021/9015B	13.5	0h 16m	1h 6m	101
Makita 9" grinder GA9020	5.5	1h 39m	6h 37m	100
Makita hammer drill HR2470	15.5	0h 12m	0h 50m	101

Makita SDS Drill HR2630	15.4	0h 12m	0hr 50m	102
BOSCH GBH226 Hammer Drill	13.5	0h 16m	1h 06m	101
Makita combi drill 8391D 8391DW-PETK DE9116	8	0h 47m	3h 8m	78
110v Duke Electric Wire Rope Hoist	N/A	N/A	N/A	N/A
All electrical equipment is subject to PAT testing every 3 months. LOLER testing is carried out on all lifting equipment				
Substances hazardous to health				
Name of substance:		Hazards		
NHL 3.5 Lime		Irritant		
Resin		Irritant		
Refer to COSHH Assessments or Material Safety Data Sheet				
Personal protective equipment:				
Equipment	Standard	When to be worn		
Safety helmet	BS 5240 pt1 1987	<input checked="" type="checkbox"/> Mandatory site requirement		
Gloves	EN 420:2003 / EN 374	<input checked="" type="checkbox"/> Puncture resistant for general site work (mandatory). <input checked="" type="checkbox"/> Waterproof for handling lime. <input type="checkbox"/> Gauntlets for JOS abrasive cleaning <input checked="" type="checkbox"/> Gauntlets waterproof for DOFF cleaning.		
Eye protection	EN166/3	<input checked="" type="checkbox"/> Goggles for angle grinding <input checked="" type="checkbox"/> Goggles or face shield for all types of cleaning		
Hearing protection – muffs	EN352-1 with an SNR of 20dB (ear muffs not plugs)	<input checked="" type="checkbox"/> Angle grinding <input type="checkbox"/> Blasting works <input type="checkbox"/> When in vicinity of compressor		
Respiratory protective equipment	FFP3	<input checked="" type="checkbox"/> Mandatory site requirement when raking out and drilling <input checked="" type="checkbox"/> Half mask <input checked="" type="checkbox"/> Full face mask		
Wet suit	Chemical resistant	<input checked="" type="checkbox"/> Wet suit chemical resistant with hood and elasticated cuffs for all wet cleaning		
Hi vis	BS EN 471	<input checked="" type="checkbox"/> Mandatory site requirement		
Safety footwear	EN ISO 20345:2004 Class 1/SB with 200 joule toecaps	<input checked="" type="checkbox"/> Safety footwear mandatory site requirement <input checked="" type="checkbox"/> Steel toe cap wellingtons boots to be used when cleaning only.		
Systems to prevent slips, trips, falls and falling materials from height and means of access/egress and safe places of work				
Independent Scaffold				
Scaffolding erection, modification, alteration and inspection shall be the responsibility of the Principal Contractor.				
The scaffolding is a bespoke design which has been installed with ledger braces along the scaffold bays which will obstruct access on working platforms. These will restrict movement for operatives and materials with potential risk for trips and falls from height from stepping around the braces.				
Scaffolding to be erected, dismantled and modified by competent certificated persons and in accordance with BS EN 12811-1:2003 and accompanying technical guidance TG 22:08				
Prior to first use, a scaffold safety certificate shall be issued by the erectors or a SCAFTAG placed on the scaffold. Scaffolding inspected and tagged (statutory 7-day inspections plus after alteration or severe weather).				
Ensure handrails, intermediate rails and toeboards are fitted to top platform and that scaffold access ladder is secured.				
Access and egress routes will be kept clear at all times.				

Additional measures required: The Principle Contractor will brief Bonsers operatives on location of the ledger braces. A toolbox talk will be given by Bonsers site supervisor to ensure the platform is always free of loose materials and debris.

Lewis Pin

To enable the lifting of the stone copings Bonsers personnel shall drill a core hole into the centre of each stone coping to allow the Lewis Pin to be installed, this will then be connected to the excavator via a suitable attachment which is appropriate for lifting which are both being supplied by Moortown Group Ltd. Moortown Group Ltd to supply RAMS direct to Willmott Dixon who will discuss with the site team. This should include secondary slings in the event that the Lewis Pin fails.

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Loler certificate is supplied for the Lewis Pin, which is certified for lifting up to one tonne.

Means for the protection of non-employees and the public

- Security hoarding to the perimeter of the site is erected by the Principal Contractor.
- Work will be phased and sequenced to avoid conflict with others working in the vicinity or when it is necessary to work in the vicinity of access/egress points, main thoroughfares and emergency escape routes.
- Access to site is via a permitted route only.
- Signage for cleaning works shall be placed in the working area by Bonsers personnel.
- Safety signage for site to be provided by the Principal Contractor.
- Signage for moving machinery to be provided by the Principal Contractor.

Services to be provided by others:

- Electricity, water and access lighting provided by Principal Contractor
- Waste will be disposed of in the skips provided by the Principal Contractor.
- Welfare facilities, drying room and canteen to be provided by the Principal Contractor.

Means of maintaining good housekeeping:

All materials and equipment will be removed from the working area at the end of each shift and the working area will be left clear of obstruction.

Arrangements for the avoidance of excessive manual handling

- Please see additional document for MAC/RAPP for manual handling
- To reduce the amount of manual handling, the DOFF and generator are on wheels and will be placed at the base of the access equipment with pressure hoses extending aloft to the working area.
- All operators are trained in correct lifting and handling techniques.
- The works vehicle will be positioned as close to the working area as possible for unloading and loading to reduce distance of travel.
- To reduce manual handling, removed materials will be placed on the scaffold working platform.
- A gin wheel shall be used for hoisting and lowering materials on the tower scaffold.
- A block and tackle shall be affixed to the scaffolding to enable lifting of the stone copings.
- Materials will be carried up the scaffolding by buckets from the operatives via an Haki staircase the buckets will be passed through or around the ledger braces to the working area
- To aid the movement of the stone copings, a Lewis Pin will be installed and the copings mechanically moved by an excavator which is supplied and operated by Moortown Group Ltd.

Environmental Controls

- Dust shall be controlled by damping, pre-wetting and mechanical extract ventilation.
- Excessively noisy operations which are likely to cause nuisance to the surrounding environment shall be undertaken out of normal working hours.
- Substances which are harmful to flora, fauna and aquatic life shall be kept in their original containers with lids sealed.
- Drains shall be covered and a spill kit available in the event of spillage.

Electrical considerations when using the DOFF system (240V)

To ensure the correct running of this equipment it is important to maintain a low level of voltage drop. This is made more difficult by the fact that power demand can be as high as 3.5Kw principally for this reason the equipment has not been manufactured in 110 volt configuration.

The British Standard of Electrical Installations BS 7671 (1992) Section 604 "Construction Site Installations" recommends the use of 110 volt single phase for demand up to 2Kw or 110 volt three phase up to 3.75Kw. However the Standard further states that this is not to preclude the use of a higher voltage supply (eg 230 volts) for large equipment where this is necessary for functional reasons (Sub Section 604-02-02).

As with all electrical equipment, values of respect and common sense must prevail. This is all the more important because of the 230 volt requirement and the use of water as an integral part of the system. There is no substitute for establishment of a safe working procedure and providing and maintaining appropriate electrical ancillaries. Use of "Arctic Blue" extension cables exclusive to the equipment shall be the norm, these will be fitted with 16amp BS 4343 plugs and sockets and by design will exhibit good abrasion resistance. Use of earth loop Monitoring or RCD (Residual Current Device) protection is essential and should be placed to protect the full extent of cables and equipment. The RCD (max 30mA) must be regularly tested (including tests by Certified Tester and equipment). Whilst the main supply may already have such a device a separate one exclusive to this outlet should be incorporated.

If the cable is subjected to vehicular traffic or any adverse treatment use of armoured cable and/or other protection should be made. High insulation standards (indicated by an "IP" rating) must apply. The normal for the BS 4343 plugs and sockets will be IP44. If likely to be subjected to direct spray upgrading to IP67 hose proof type should be made. Good working practice will ensure however that the lance spray is operated well out of reach of the equipment leads.

It may be required to make use of generator supply for which the above advice still applies. It may be necessary to "ground" the unit if the neutral does not run to Earth (consult your Electrician). The capacity of the generator should ideally be 4Kw minimum or 3Kw if only using half pressure.

The DOFF system is manufactured to "CE" Standards. Any interference or modification to the product renders the "CE" mark and any warranty null and void.

Emergency Procedures

In the event of any emergency:

- Cease work
- Make the work area safe and secure
- Raise the alarm
- Evacuate to a safe position
- Make your presence known to the person in charge of the assembly point

Do not leave the assembly point or return to the building until authorised to do so.

Any incidents on site should be reported to the Principal Contractor immediately.

Emergency contacts

Managers

☒ Wayne Sturman – Construction Manager 07898 985 365

Supervisors

☒ Joe Alton 07783 361 610
 ☒ Gary Older 07722 484 139

First Aider on site

☒ Joe Alton 07783 361 610
 ☒ Gary Older 07722 484 139

RISK ASSESSMENT											
Project		The Seam Car Park, Barnsley, S70 2JW				Risk Assmt No.		Revision 4			
Task/Activity:		Cleaning of upper boundary wall, stonework rebuild and repairs				Date Prepared:		21 st October 2025			
Hazards					Initial Risk			Residual Risk			
Qualitative Risk Assessment					Likelihood	Severity	Initial Risk (H M or L)	Likelihood	Severity	Residual Risk (H M or L)	
Severity											
		Slight 1	Serious 2	Major 3							
Likelihood	Certain 3	Amber 3	Red 6	Red 9							
	Possible 2	Green 2	Amber 4	Red 6							
	Unlikely 1	Green 1	Green 2	Amber 3							
Key		Green 1-2 Low Risk	Amber 3-4 Med Risk	Red 6-9 High Risk							
Musculoskeletal injury from handling heavy materials					2	2	M	1	2	L	
Spillage of acid causing slipping, skin & eye irritation, contamination of water courses					2	2	M	1	2	L	
Hearing loss to those in immediate vicinity					2	2	M	1	2	L	
Scaffold collapse					2	3	H	1	3	M	
Working at height					2	3	H	1	3	M	
Falling materials					2	3	H	1	3	M	
Falling copings					2	3	H	1	3	M	
Slips, trips and falls					2	2	M	1	2	L	
Hand arm vibration injury from use of vibrating hand tools					2	2	M	1	2	L	
Skin and eye damage from the use of high pressure water jetting					2	2	M	1	2	L	
Electric shock from use of 240v DOFF					2	3	H	1	2	L	
Injuries from pressure washing					2	3	H	1	2	L	
Injury to members of the public					2	2	M	1	2	L	
Persons Affected					PPE Requirements						
Operatives	X	Members of Public	X	Site Visitors	X	Harness & Lanyard		Hi-Vis	X	Respiratory Protection	X
Other Workers	X	Young Persons	X	Others	X	Hearing Protection	X	Eye Protection	X	Head Protection	X
						Gloves	X	Boots	X	Waterproofs	X

ADDITIONAL CONTROL MEASURES	
Information / Instruction / Training	Managerial Controls
<input checked="" type="checkbox"/> Operators trained in correct lifting and handling techniques. <input type="checkbox"/> Chemicals handled and used by competent and experience persons <input checked="" type="checkbox"/> High pressure water jetting carried out by trained and competent persons	<input checked="" type="checkbox"/> Electrical hand tools PAT tested every 3 months. <input checked="" type="checkbox"/> Ensure hand tool operators rotate work so that the Exposure Action Value (EAV) as detailed on the method statement is not exceeded in any 8 hour period
Physical Controls	Procedural Controls
<input checked="" type="checkbox"/> PPE to be worn for specific tasks as detailed in the method statement. <input checked="" type="checkbox"/> RCD fitted to DOFF <input checked="" type="checkbox"/> in the event of the Lewis Pin failing, secondary slinging shall be used to prevent copings from falling.	<input checked="" type="checkbox"/> Team handling for lifting heavy or awkward materials <input checked="" type="checkbox"/> Due to power demand of DOFF it only operates at 240v. <input checked="" type="checkbox"/> Safe working procedures adopted to prevent electric shock. <input checked="" type="checkbox"/> Pre works briefing to be carried out by Willmott Dixon in conjunction with Bonsers and Moortown Group Ltd prior to works commencing.
Assessment prepared by:	Wayne Sturman
Signature:	<i>W Sturman</i>
Date:	21 st October 2025



Work at Height Rescue Plan – Scaffold and Scaffold Towers



