



Edgar Wood Memorial

Methodology 20th Sept 2023

Methology For Works To The Edgar Memorial

Dismantling the Edgar Wood Memorial

- . Arrange an onsite meeting to agree an area for the site cabins to be located.
- . Carry out site set up in an agreed area.
- . Arrive on site and receive site induction.
- . Inspect the work items with the Architect and Client to agree stonework for restoration.
- . Where new stone is required. Take profiles of the stone and forward to the workshop for manufacture
- . Take detailed photographic records of 25-30 photos of the structure.
- . Mark a drawing showing all dimensions prior to dismantling the structure. Each stone to have its own unique number marked in chalk in an area on the bed of the stone.
- . Set up an exclusion zone around the structure using heras fencing.
- . Scan the ground to the area of repair for underground services if present.
- . Set up the lifting frame around the structure.
- . Set up the tools and equipment required for the task
- . Using hand tools and Fein cutters, cut through the mortar joints.
- . Raise the stone onto timber packers.
- . Place 1ton endless slings around the stone and connect to the block and tackle attached to the lifting frame.
- . Raise the stone and lower onto a 4 wheeled truck. Ensure softening is placed below the stone on the 4 wheeled truck.
- . Timber props are to be placed within the opening of the arches to reduce the risk of collapse.
- . Each stone is to be dismantled as described above.
- . All stones to be placed on pallets within a storage container.

Movement of materials from the work area

- We will arrive and set up the temporary site fencing around compound and work area.

- The traffic management was being put in place to allow for the cabins to be offloaded using a crane wagon in the carriageway.
- We propose changing the cabin to a towable groundhog unit which means it can be driven onto the compound area mitigating the need for the complex TM.
- We will start the groundworks on the footing for the new location of the monument and get the concrete slab cast.
- We will dismantle the existing monument using a lifting frame and use a combination of trolley and off-road pallet truck to transfer the stones to the new location, using the existing crossing points for the road which mitigates effects on road users with TM.
- By using the off road pallet truck and transferring the stones straight to the rebuild area, it reduces the number of times the stones are lifted/handled.
- Therefore, this will reduce the risk of damage to the stones through repeated movement/handling in and out of storage cabin.

Reinstatement of the pavement

- . Scan the ground to the area of repair for underground services if present.
- . Excavate down to good ground using a mini digger.
- . Form a 150mm deep subbase of hardcore aggregate 50mm down.
- . Make good the pavement to match the original to the approval of the local Authority.

Reinstatement of the Edgar Wood Trough

- . Position Heras fencing around the work area.
- . Excavate down to good ground using a mini digger.
- . Compact the ground and lay a 200mm deep concrete raft foundation with 2 layers of A142 mesh.
- . Locate the required replacement unit from within the pallet.
- . Transfer the stone using the 4 wheeled truck to the work area.
- . Mark out the position that the Trough is to be re-laid to.

- . Drill a 12mm hole into the concrete base and set a 10mm stainless steel rod into the concrete base set in resin.
- . Drill a 12mm hole into the bottom bed of the stone to insert to accept the 10mm stainless steel rod.
- . Dampen the surface of the receiving stone but not saturate. Place a bed of mortar 1: 2.5 NHL 3.5 Hydraulic Lime onto the receiving stone. Lift into position the stone ensuring all location fixings are located. Check for line and level. Rake back mortar joints by 15mm to receive pointing mortar.
- . Proceed to lay the required course as above.
- . On the 2nd course and above lay as above inserting 10mm stainless steel dowels between each stone set in a neat NHL 3.5 lime mix. Fixing positions are to be aligned in relation to the existing masonry
- . Once the Edgar Wood Memorial is built carry out any necessary lime mortar repairs to agree defects previously listed.
- . Protect the mortar from direct sunlight /inclement weather using hessian sacking, polythene sheeting and bubble wrap.
- . Install 1.2m high heritage Wrought Iron Railings around the memorial.
- . Install stone setts to an approved colour and finish around the memorial.
- . Clear site of any debris.
- . Remove site cabins from site.
- . On completion of works arrange for a handover meeting.
- . Remove heras fencing from site.