

Remedial Works Phase 3

Phase	Action	Scoped Works	Days to Complete
3	1	Remobilise to site and demolish the 3 x brick plinths adjacent to the external wall of the barn to facilitate the further excavation. Extend the external excavation approx 2.5m x 1.5m and dispose of into skip on site. Re-route the oil supply pipe from the brickwork to be demolished. Disc cut and break out up to 4 x trial pits within the barn to assess migration along the side walls.	2
3	2	Install steel beams noted number 1 (x 5 needle beams) on acro props resting on a concrete block spreader base. Breakout impacted brickwork over the first half of the wall as noted on SK4 of the engineer's drawings. Please note as the construction is a solid wall it is not possible to remove "1 skin" as the solid wall is stretcher bond, not 2 independent skins. Cast new foundation including shuttering and 16mm rebar / A393 mesh.	4
3	3	Reinstate brickwork as removed over area 1 (3 days). Following 24 hours, remove the steel beams and make good the holes. (1 day). After another 24 hours, proceed to install x 4 needle beams over Area 2 and repeat, breaking out the existing brickwork, casting a new foundation tied into the foundation already poured for the first half and rebuild brickwork to the underside of the existing (7 days). After 24 hours pack between the new and existing	12
3	4	Backfill both excavations up to underside of floor level with MOT, compacted in 150mm layers (2 days spread over Area 1 and 2 separately). Reinstate concrete floor slab, tying into the existing with rebar and resin (1 day). Sand and cement render to be reinstated internally to match existing (2 days). Reinstate skirting boards and paint render and skirtings (1 day).	6
3	5	Electrician to reinstate sockets on the wall, 1st and 2nd fix. Install new tank base externally. Once cured rebuild brick piers to accommodate new OST. Dress surrounding area with topsoil and grass seed. Install new OST and remove hire tank from site.	3
10	1	Contingency	1