

**Church Gardens
Church Hill
Harefield
Middx. UB9 6DU**

Orchard Wall Repair & Restoration

**Photographic Record
&
Schedule of Works**

To be in read in conjunction with drawings 1500-12A 1600-17C & 31A

**Home Plans
July 2020**

P1



WALL 3 – Orchard Area

Description - Remains of original brick boundary wall now approx. 0.8m – 0.9m high retaining earth behind but leaning inwards – wall 380mm thick with plinth increasing to 520mm.

Proposed Works required - Existing wall to be completely removed to foundation level. Wall to be carefully demolished by hand and all salvaged brickwork to be stacked and stored safely on site for reuse. Excavate and provide new concrete strip foundation with retaining wall element to support existing ground, all to Structural Engineer's design and detail.

Rebuild wall to full height in matching 50mm handmade stock bricks in 1:4 Lime mortar mix. Wall to be 360mm thick with bricks laid in English Garden bond to match existing. Connect new brickwork to existing at each end. Provide chamfered brick detail to top of wall with brick on edge coping.



Wall 3 – Arches 1, 2 & 3

WALL 3 – Orchard Area

Description - Remains of original brick feature boundary wall comprising of 33 arches and niches. Wall is approx. 2.5m high and retaining earth behind to full height in most areas. It is understood that there would originally have been a walkway along the top and it is assumed that there would have been a protective barrier of some form along the front edge.

Proposed Works required - The proposed works involve all necessary repairs and rebuilding works to restore this feature wall to as close to it's original condition as possible with all arches and recessed niches reformed to match the existing. All repair and rebuilding works will be completed in matching 50mm handmade stock bricks in 1:4 Lime mortar mix. With feature detailing along the parapet edge. It is intended that the upper level walkway will be reinstated on completion of the restoration works with a selected metal protective balustrade along the front edge.

The proposed remedial and repair works to each individual arch are Scheduled as follows.

Arch No. 1	% Remaining	Existing Condition	Repair requirements: Fabric to add	% pointing required
Walkway	0	-		
Arch	85	Front course missing		50
West Pilaster	30	Most missing	10% toothed in to existing	60
Niche	85	Most in place		100
Dome	0			
Summary:	Remove all collapsed brickwork from opening by hand. Clean and store all existing bricks to be reused. Excavate spoil within niche to ground level. Build over the arch top with mortar and tile. Replace mortars in front of arch. Left hand arch springer brick required. Consolidate pilaster column with new brick and rebuild niche to full height. Repoint most of exposed brickwork. Backfill ground to rear.			

Arch No. 2	% Remaining	Condition As Found	Repair requirements: Fabric to add	% pointing required
Walkway	0	-	-	
Arch	10	Sound East end – remainder collapsed	Repair East end – rebuild arch	5
West Pilaster	80	Sound		10
Niche	50	Bowed in on East side	Rebuild from rising wall	Not visible
Dome	0	Collapsed	Rebuild dome	100
Summary:	Remove all collapsed brickwork and debris from opening and excavate all spoil within niche to ground level. Rebuild arch and niche from existing bases to full height. Repoint all exposed brickwork. Backfill ground to rear.			

Arch No. 3	% Remaining	Condition As Found	Repair requirements: Fabric to add	% requiring pointing
Walkway	0			
Arch	0	-		
West Pilaster	40	Sound	Partially rebuild East face	50
Niche	Approx. 30		Rebuild top 2 courses	80
Dome	0			
Summary:	Remove all existing metal sheeting and collapsed brickwork and debris within opening and excavate spoil within niche to ground level.			

	Rebuild East face of Pilaster and rebuild arch & niche completely. Repoint all exposed brickwork. Backfill ground to rear.
--	---

Page 5

P3



Wall 3 – Arches 4, 5 & 6

Arch No. 4	% Remaining	Condition As Found	Repair requirements: Fabric to add	% requiring pointing
Walkway	0			
Arch	0	-		
West Pilaster	20	Sound	Partially rebuild East face	50
Niche	Approx. 20	Presume unsound	Rebuild from base	
Dome	0			
Summary:	Remove all existing metal sheeting and collapsed brickwork and debris within opening and excavate spoil withing niche to ground level. Rebuild West pilaster to full height. Repair arch base on East side and rebuild arch with capping. Rebuild niche completely from existing base. Backfill ground to rear.			

Arch No. 5	% Remaining	Condition As Found	Repair requirements: Fabric to add	% requiring pointing
Walkway	0			
Arch	20	-		
West Pilaster	80	Sound	Partially rebuild East face and front	50
Niche	Approx. 20	Presume unsound	Rebuild from base.	
Dome	0			
Summary:	Remove all existing metal sheeting and collapsed brickwork and debris within opening and excavate spoil withing niche to ground level. Repair face and top of West pilaster. Repair arch base on East side and rebuild arch with capping. Rebuild niche completely from existing base. Backfill ground to rear.			

Arch No. 6	% Remaining	Condition As Found	Repair requirements: Fabric to add	% requiring pointing
Walkway	0			
Arch	80	Sound	Repair to face and cap	
West Pilaster	80	Sound	Partially rebuild East face and front	50
Niche	Approx. 20	Presume unsound	Rebuild from base.	
Dome	0			
Summary:	Remove all existing sheeting and collapsed brickwork and debris within opening and excavate spoil withing niche to ground level. Repair face and top of West pilaster. Repair arch base on East side and rebuild			

	arch with capping. Rebuild niche completely from existing base. Backfill ground to rear.
--	--

Page 7

P4



Wall 3 – Arches 7, 8 & 9

Arch No. 7	% Remaining	Condition As Found	Repair requirements: Fabric to add	% requiring pointing
Walkway	20	Unsound	Tile over	100
Arch	80	Sound	Repair to face and cap	
West Pilaster	80	Sound	Partially rebuild East face and front	50
Niche	Approx. 30	Presume sound	Rebuild top two courses.	50
Dome	0			
Summary:	Remove all existing boarding and collapsed brickwork and debris within opening and excavate spoil withing niche to ground level. Repair face and top of West pilaster. Repair arch base on East side and repair arch with capping. Rebuild niche to full height. Backfill ground to rear.			

Arch No. 8	% Remaining	Condition As Found	Repair requirements: Fabric to add	% requiring pointing
Walkway	20	Unsound	Tile over	100
Arch	80	Sound	Repair to face and cap	
West Pilaster	80	Sound	Partially rebuild East face and front	50
Niche	Approx. 20	Presume sound	Rebuild top two courses.	50
Dome	0			
Summary:	Remove all existing boarding and collapsed brickwork and debris within opening and excavate spoil withing niche to ground level. Repair face and top of West pilaster. Repair arch base on East side and repair arch with capping. Rebuild niche to full height. Backfill ground to rear.			

Arch No. 9	% Remaining	Condition As Found	Repair requirements: Fabric to add	% requiring pointing
Walkway	60	Unsound	Tile over	100
Arch	80	Sound	Repair to face and cap	
West Pilaster	80	Sound	Partially rebuild East face and front	50
Niche	80	Presume sound	Repair all areas.	50
Dome	40			50
Summary:	Remove all collapsed brickwork and debris within opening and excavate spoil withing niche to ground level. Repair face and top of West pilaster. Repair arch with capping. Repair niche. Backfill ground to rear.			



Wall 3 – Arches 10, 11 & 12

Arch No. 10	% Remaining	Condition As Found	Repair requirements: Fabric to add	% requiring pointing
Walkway	70	Unsound	Tile over	100
Arch	80	Sound	Repair to face and cap	
West Pilaster	80	Sound	Partially rebuild East face and front	50
Niche	80	Presume sound	Repair all areas.	50
Dome	60		Repair all areas.	50
Summary:	Remove all collapsed brickwork and debris within opening and excavate spoil withing niche to ground level. Repair face and top of West pilaster. Repair arch with capping. Repair niche. Backfill ground to rear.			

Arch No. 11	% Remaining	Condition As Found	Repair requirements: Fabric to add	% requiring pointing
Walkway	80	Unsound	Tile over	100
Arch	90	Sound	Repair to face	
West Pilaster	90	Sound	Partially rebuild East face and front	50
Niche	80	Presume sound	Repair all areas.	50
Dome	60		Repair all areas.	50
Summary:	Remove all collapsed brickwork and debris within opening and excavate spoil withing niche to ground level. Repair face and top of West pilaster. Repair arch with capping. Repair niche. Backfill ground to rear.			

Arch No. 12	% Remaining	Condition As Found	Repair requirements: Fabric to add	% requiring pointing
Walkway	70	Unsound	Tile over	100
Arch	90	Sound	Repair to face	
West Pilaster	90	Sound	Repairs to East face and front	50
Niche	80	Presume sound	Repair all areas.	50
Dome	80		Repair all areas.	50
Summary:	Remove all collapsed brickwork and debris within opening and excavate spoil withing niche to ground level. Repair face and top of West pilaster. Repair arch with capping. Repair niche. Backfill ground to rear.			



Wall 3 – Arches 13, 14 & 15

Arch No. 13	% Remaining	Condition As Found	Repair requirements: Fabric to add	% requiring pointing
Walkway	80	Unsound	Tile over	100
Arch	90	Sound	Repair to face	
West Pilaster	90	Sound	Repairs to face.	50
Niche	80	Presume sound	Repair all areas.	50
Dome	80		Repair all areas.	50
Summary:	Remove all collapsed brickwork and debris within opening and excavate spoil withing niche to ground level. Repair face and top of West pilaster. Repair arch with capping. Repair niche. Backfill ground to rear.			

Arch No. 14	% Remaining	Condition As Found	Repair requirements: Fabric to add	% requiring pointing
Walkway	80	Unsound	Tile over	100
Arch	90	Sound	Repair to face	
West Pilaster	90	Sound	Repairs to face.	50
Niche	80	Presume sound	Repair all areas.	50
Dome	80		Repair all areas.	50
Summary:	Remove all collapsed brickwork and debris within opening and excavate spoil withing niche to ground level. Repair face and top of West pilaster. Repair arch with capping. Repair niche. Backfill ground to rear.			

Arch No. 15	% Remaining	Condition As Found	Repair requirements: Fabric to add	% requiring pointing
Walkway	80	Unsound	Tile over	100
Arch	90	Sound	Repair to face	
West Pilaster	90	Sound	Repairs to front and East and West faces.	50
Niche	80	Presume sound	Repair all areas.	50
Dome	80		Repair all areas.	50
Summary:	Remove all collapsed brickwork and debris within opening and excavate spoil withing niche to ground level. Repair face and top of West pilaster. Repair arch with capping. Repair niche. Backfill ground to rear.			



Wall 3 – Arches 16, 17 & 18

Arch No. 16	% Remaining	Condition As Found	Repair requirements: Fabric to add	% requiring pointing
Walkway	80	Unsound	Tile over	100
Arch	90	Sound	Repair to face	
West Pilaster	90	Sound	Repairs to front	50
Niche	80	Presume sound	Repair all areas.	50
Dome	70		Repair all areas.	50
Summary:	Remove all collapsed brickwork and debris within opening and excavate spoil withing niche to ground level. Repair face and top of West pilaster. Repair arch with capping. Repair niche. Backfill ground to rear.			

Arch No. 17	% Remaining	Condition As Found	Repair requirements: Fabric to add	% requiring pointing
Walkway	80	Unsound	Tile over	100
Arch	90	Sound	Repair to face	
West Pilaster	90	Sound	Repairs to front	50
Niche	80	Presume sound	Repair all areas.	50
Dome	50		Repair all areas.	50
Summary:	Remove all collapsed brickwork and debris within opening and excavate spoil withing niche to ground level. Repair face and top of West pilaster. Repair arch with capping. Repair niche. Backfill ground to rear.			

Arch No. 18	% Remaining	Condition As Found	Repair requirements: Fabric to add	% requiring pointing
Walkway	80	Unsound	Tile over	100
Arch	90	Sound	Repair to face	
West Pilaster	90	Sound	Repairs to front and East face	50
Niche	80	Presume sound	Repair all areas.	50
Dome	50		Repair all areas.	50
Summary:	Remove all collapsed brickwork and debris within opening and excavate spoil withing niche to ground level. Repair face and top of West pilaster. Repair arch with capping. Repair niche. Backfill ground to rear.			



Wall 3 – Arches 19, 20, 21 & 22

Arch No. 19	% Remaining	Condition As Found	Repair requirements: Fabric to add	% requiring pointing
Walkway	80	Unsound	Tile over	100
Arch	90	Sound	Repair to face	
West Pilaster	90	Sound	Repairs to front and East face	50
Niche	80	Presume sound	Repair all areas.	50
Dome	50		Repair all areas.	50
Summary:	Remove all collapsed brickwork and debris within opening and excavate spoil withing niche to ground level. Repair face and top of West pilaster. Repair arch with capping. Repair niche. Backfill ground to rear.			

Arches No. 20 & 21	% Remaining	Condition As Found	Repair requirements: Fabric to add	% requiring pointing
Walkway	0			
Arch	0			
West Pilaster	10	Sound	Repairs to front and East face	50
Niche	10	Presume sound	Consolidate base courses	100
Dome	0			
Summary:	Remove all collapsed brickwork and debris within opening and excavate spoil withing niche to ground level. Rebuild pilaster, arch, niche and dome to full height and cap over.			

Arch No. 22	% Remaining	Condition As Found	Repair requirements: Fabric to add	% requiring pointing
Walkway	0			
Arch	0			
West Pilaster	20	Sound	Repairs to front and East face	50
Niche	10	Presume sound	Consolidate base courses	100
Dome	0			
Summary:	Remove all collapsed brickwork and debris within opening and excavate spoil withing niche to ground level. Rebuild pilaster, arch, niche and dome to full height and cap over.			



Wall 3 – Arches 23, 24 & 25

Arch No. 23	% Remaining	Condition As Found	Repair requirements: Fabric to add	% requiring pointing
Walkway	80	Unsound	Tile over	100
Arch	90	Sound	Repair to face	
West Pilaster	90	Sound	Repairs to front and East face	50
Niche	80	Presume sound	Repair all areas.	50
Dome	60		Repair all areas.	50
Summary:	Remove all collapsed brickwork and debris within opening and excavate spoil withing niche to ground level. Repair face and top of West pilaster. Repair arch with capping. Repair niche. Backfill ground to rear.			

Arch No. 24	% Remaining	Condition As Found	Repair requirements: Fabric to add	% requiring pointing
Walkway	80	Unsound	Tile over	100
Arch	90	Sound	Repair to face	
West Pilaster	90	Sound	Repairs to front and East face	50
Niche	80	Presume sound	Repair all areas.	50
Dome	50		Repair all areas.	50
Summary:	Remove all collapsed brickwork and debris within opening and excavate spoil withing niche to ground level. Repair face and top of West pilaster. Repair arch with capping. Repair niche. Backfill ground to rear.			

Arch No. 25	% Remaining	Condition As Found	Repair requirements: Fabric to add	% requiring pointing
Walkway	80	Unsound	Tile over	100
Arch	90	Sound	Repair to face	
West Pilaster	90	Sound	Repairs to front and East face	50
Niche	80	Presume sound	Repair all areas.	50
Dome	60		Repair all areas.	50
Summary:	Remove all collapsed brickwork and debris within opening and excavate spoil withing niche to ground level. Repair face and top of West pilaster. Repair arch with capping. Repair niche. Backfill ground to rear.			



Wall 3 – Arches 26, 27 & 28

Arch No. 26	% Remaining	Condition As Found	Repair requirements: Fabric to add	% requiring pointing
Walkway	80	Unsound	Tile over	100
Arch	90	Sound	Repair to face	
West Pilaster	90	Sound	Repairs to front and East face	50
Niche	80	Presume sound	Repair all areas.	50
Dome	60		Repair all areas.	50
Summary:	Remove all collapsed brickwork and debris within opening and excavate spoil withing niche to ground level. Repair face and top of West pilaster. Repair arch with capping. Repair niche. Backfill ground to rear.			

Arch No. 27	% Remaining	Condition As Found	Repair requirements: Fabric to add	% requiring pointing
Walkway	80	Unsound	Tile over	100
Arch	90	Sound	Repair to face	
West Pilaster	90	Sound	Repairs to front and East face	50
Niche	80	Presume sound	Repair all areas.	50
Dome	70		Repair all areas.	50
Summary:	Remove all collapsed brickwork and debris within opening and excavate spoil withing niche to ground level. Repair face and top of West pilaster. Repair arch with capping. Repair niche. Backfill ground to rear.			

Arch No. 28	% Remaining	Condition As Found	Repair requirements: Fabric to add	% requiring pointing
Walkway	80	Unsound	Tile over	100
Arch	90	Sound	Repair to face	
West Pilaster	90	Sound	Repairs to front and East face	50
Niche	80	Presume sound	Repair all areas.	50
Dome	50		Repair all areas.	50
Summary:	Remove all collapsed brickwork and debris within opening and excavate spoil withing niche to ground level. Repair face and top of West pilaster. Repair arch with capping. Repair niche. Backfill ground to rear.			

P21

P11



Wall 3 – Arches 29, 30 & 31

Arch No. 29	% Remaining	Condition As Found	Repair requirements: Fabric to add	% requiring pointing
Walkway	0			
Arch	75	Sound	Repair to head	
West Pilaster	90	Sound	Repairs to front and East face	50
Niche	80	Presume sound	Repair all areas.	50
Dome	0			
Summary:	Remove all metal sheeting and collapsed brickwork and debris within opening and excavate spoil within niche to ground level. Repair face and top of West pilaster. Repair arch with capping. Repair niche. Backfill ground to rear.			

Arch No. 30	% Remaining	Condition As Found	Repair requirements: Fabric to add	% requiring pointing
Walkway	0			
Arch	10	Sound		
West Pilaster	90	Sound	Repairs to front and East face	50
Niche	70	Presume sound	Repair all areas.	50
Dome	0			
Summary:	Remove all metal sheeting and collapsed brickwork and debris within opening and excavate spoil within niche to ground level. Repair face and top of West pilaster. Repair arch with capping. Repair niche. Backfill ground to rear.			

Arch No. 31	% Remaining	Condition As Found	Repair requirements: Fabric to add	% requiring pointing
Walkway	0			
Arch	10	Sound		
West Pilaster	90	Sound	Repairs to front and East face	50
Niche	70	Presume sound	Repair all areas.	50
Dome	0			
Summary:	Remove all metal sheeting and collapsed brickwork and debris within opening and excavate spoil within niche to ground level. Repair face and top of West pilaster. Repair arch with capping. Repair niche. Backfill ground to rear.			

P23

P12



Wall 3 – Arches 32 & 33

Arch No. 32	% Remaining	Condition As Found	Repair requirements: Fabric to add	% requiring pointing
Walkway	0			
Arch	10	Sound		
West Pilaster	90	Sound	Repairs to front and East face	50
Niche	30	Presume sound	Repair all areas.	50
Dome	0			
Summary:	Remove all metal sheeting and collapsed brickwork and debris within opening and excavate spoil within niche to ground level. Repair face and top of West pilaster. Repair arch with capping. Repair niche to limited height. Backfill ground to rear.			

Arch No. 32	% Remaining	Condition As Found	Repair requirements: Fabric to add	% requiring pointing
Walkway	0			
Arch	60	Sound		
West Pilaster	90	Sound	Repairs to front and East face	50
Niche	30	Presume sound	Repair all areas.	50
Dome	0			
Summary:	Remove all metal sheeting and collapsed brickwork and debris within opening and excavate spoil within niche to ground level. Repair face and top of West pilaster. Repair arch with capping. Repair niche to limited height. Backfill ground to rear.			

P13



Wall 2 – East wall Section enclosing recessed area.

Description – Original brick wall approx. 2.0m high and 0.35m thick with brick on edge coping.

Proposed works required- Repair and repoint all brickwork. Take off coping and remove any loose brickwork by hand. Rebuild top courses and replace coping. All new bricks to match existing. Brickwork laid in 1:4 Lime mortar mix in bond to match existing.

Wall 2 – South wall Section enclosing recessed area.

Description – Original brick wall approx. 2.0m high and 0.35m thick with retaining base, approx. 0.9m high. Wall missing to ground level.

Proposed Works required- Remove all loose brickwork to top of remaining wall and consolidate to receive new work. Rebuild wall in new brickwork to match existing with chamfered detail to top and brick on edge coping. Salvaged bricks to be selectively mixed in with new work. Brickwork laid in 1:4 Lime mortar mix in bond to match existing.

P14



Wall 2 – Northern End

Description - Original brick boundary wall reasonably plumb with standing section in relatively good condition. Northern end of wall missing to ground level and top 10 -12 courses missing.

Proposed works required - Remove all vegetation to outside face of wall. Remove timber fencing. Take off any loose bricks at base to missing section and along top of wall. All bricks to be removed by hand and where possible bricks to be clean and stored safely for reuse. Repair and consolidate top of wall to receive new work. Rebuild wall in new brickwork to match existing with chamfered detail to top and brick on edge coping. Salvaged bricks to be selectively mixed in with new work. Brickwork laid in 1:4 Lime mortar mix in bond to match existing.

P15



Wall 2 – Northern End

Description - Original brick boundary wall reasonably plumb with standing section in relatively good condition with top 10 -12 courses missing.

Proposed works required - Remove all vegetation to outside face of wall. Take off any loose bricks along top of wall. All bricks to be removed by hand and where possible bricks to be clean and stored safely for reuse. Repair and consolidate top of wall to receive new work. Rebuild wall in new brickwork to match existing with chamfered detail to top and brick on edge coping. Salvaged bricks to be selectively mixed in with new work. Brickwork laid in 1:4 Lime mortar mix in bond to match existing.

P28

P16



Wall 2 – Centre Section

Description - Original brick boundary wall reasonably plumb with standing section in relatively good condition with top 6 - 7 courses missing.

Proposed works required - Remove all vegetation to outside face of wall. Take off any loose bricks along top of wall. All bricks to be removed by hand and where possible bricks to be clean and stored safely for reuse. Repair and consolidate top of wall to receive new work. Rebuild wall in new brickwork to match existing with chamfered detail to top and brick on edge coping. Salvaged bricks to be selectively mixed in with new work. Brickwork laid in 1:4 Lime mortar mix in bond to match existing.

Complete infill repairs to wall at low level.

P29

P17



Wall 2 – Centre Section

Description - Original brick boundary wall reasonably plumb with standing section in relatively good condition with original coping still largely in place.

Proposed works required- Remove all vegetation to both sides of wall. Take off existing coping brick and remove and loose bricks along top of wall. All bricks to be removed by hand and where possible, bricks to be cleaned and stored safely for reuse. Repair and consolidate top of wall to receive new work. Rebuild top of wall in new brickwork to match existing with chamfered detail to top and new brick on edge coping. Salvaged bricks to be selectively mixed in with new work. Brickwork laid in 1:4 Lime mortar mix in bond to match existing. Repair cracking to brickwork with all loose bricks removed and damaged area made good with new brickwork incorporating Helifix or similar tie rods into brick coursing.

Excavate to expose damaged section of wall at low level and underpin existing base if required. Complete repairs to damaged brickwork at low level.

Take out infill brickwork to feature arch to plinth level and make good.

P30

P18



Wall 2 – Centre Section

Description - Original brick boundary wall leaning into garden with temporary steel and timber props.

Proposed works required- Remove all vegetation to both sides of wall. Take off existing coping brick and remove and loose bricks along top of wall. All bricks to be removed by hand and where possible, bricks to be cleaned and stored safely for reuse. Provide adequate temporary support to existing wall to remove props individually. Construct new support piers in accordance with Structural Engineer's design and detail. Repair and consolidate top of wall to receive new work. Rebuild top of wall in new brickwork to match existing with chamfered detail to top and new brick on edge coping. Salvaged bricks to be selectively mixed in with new work. Brickwork laid in 1:4 Lime mortar mix in bond to match existing.

P31

P19



Wall 2 – Centre Section

Description - Original brick boundary wall seriously leaning into garden with temporary steel and timber props.

Proposed works required- Remove all vegetation to both sides of wall. Take down section of wall from nearest prop for full height once support pier has been constructed as above. All bricks to be removed by hand and where possible, bricks to be cleaned and stored safely for reuse.

Break out base of wall and excavate for new concrete strip foundation. Construct foundation with retaining wall element to base of wall in accordance with structural Engineers design and details. Rebuild wall to full height to match existing to 480mm width to plinth level reducing to 360mm thick to main areas. Wall rebuilt in matching 50mm handmade stock bricks in 1:4 Lime mortar mix. laid in English Garden bond to match existing. Salvaged bricks to be selectively mixed into new work. Provide chamfered brick detail to top of wall with brick on edge coping.

P32

P20



Wall 2 – Centre Section

Description - Original brick boundary wall seriously leaning into garden with temporary steel and timber props.

Proposed works required- Remove all vegetation to both sides of wall. Take down section of wall from nearest prop for full height once support pier has been constructed as above. All bricks to be removed by hand and where possible, bricks to be cleaned and stored safely for reuse.

Break out base of wall and excavate for new concrete strip foundation. Construct foundation with retaining wall element to base of wall in accordance with structural Engineers design and details. Rebuild wall to full height to match existing to 480mm width to plinth level reducing to 360mm thick to main areas. Wall rebuilt in matching 50mm handmade stock bricks in 1:4 Lime mortar mix. laid in English Garden bond to match existing. Salvaged bricks to be selectively mixed into new work. Provide chamfered brick detail to top of wall with brick on edge coping.

P33

P21



Wall 2 – Southern Section

Description - Remains of original brick boundary wall seriously leaning into garden.

Proposed works required- Remove timber fencing. Remove all vegetation to both sides of wall. Take down standing section of wall to ground level. All bricks to be removed by hand and where possible, bricks to be cleaned and stored safely for reuse.

Break out base of wall and excavate for new concrete strip foundation. Construct foundation with retaining wall element to base of wall in accordance with structural Engineers design and details. Rebuild wall to full height to match existing to 480mm width to plinth level reducing to 360mm thick to main areas. Wall rebuilt in matching 50mm handmade stock bricks in 1:4 Lime mortar mix. laid in English Garden bond to match existing. Salvaged bricks to be selectively mixed into new work. Provide chamfered brick detail to top of wall with brick on edge coping.

P34

P22



Wall 2 – Southern Section

Description - Remains of original brick boundary wall seriously leaning into garden.

Proposed works required - Remove timber fencing. Remove all vegetation to both sides of wall. Take down remaining section of wall to ground level. All bricks to be removed by hand and where possible, bricks to be cleaned and stored safely for reuse.

Break out base of wall and excavate for new concrete strip foundation. Construct foundation with retaining wall element to base of wall in accordance with structural Engineers design and details. Rebuild wall to full height to match existing to 480mm width to plinth level reducing to 360mm thick to main areas. Wall rebuilt in matching 50mm handmade stock bricks in 1:4 Lime mortar mix. laid in English Garden bond to match existing. Salvaged bricks to be selectively mixed into new work. Provide chamfered brick detail to top of wall with brick on edge coping.

P35

P23



Wall 2 – Southern Section

Description - Remains of original brick boundary wall seriously leaning into garden.

Proposed works required - Remove timber fencing. Remove all vegetation to both sides of wall. Take down remaining section of wall to ground level. All bricks to be removed by hand and where possible, bricks to be cleaned and stored safely for reuse.

Break out base of wall and excavate for new concrete strip foundation. Construct foundation with retaining wall element to base of wall in accordance with structural Engineers design and details. Rebuild wall to full height to match existing to 480mm width to plinth level reducing to 360mm thick to main areas. Wall rebuilt in matching 50mm handmade stock bricks in 1:4 Lime mortar mix. laid in English Garden bond to match existing. Salvaged bricks to be selectively mixed into new work. Provide chamfered brick detail to top of wall with brick on edge coping.

P36

P24



Wall 2 – Southern Section

Description - Remains of original brick boundary wall slightly leaning into garden.

Proposed works required - Remove timber fencing. Remove all vegetation to both sides of wall. Take off all loose brickwork to top of wall. All bricks to be removed by hand and where possible, bricks to be cleaned and stored safely for reuse.

Rebuild wall to full height to match existing. Wall rebuilt in matching 50mm handmade stock bricks in 1:4 Lime mortar mix. laid in English Garden bond to match existing. Salvaged bricks to be selectively mixed into new work. Provide chamfered brick detail to top of wall with brick on edge coping.

Take off loose bricks to top of raked section of wall and rebuild to original level with new brick on edge coping.

P37

P25



Wall 1 – Eastern End

Description - Original brick wall enclosing Orchard Area, retaining higher ground behind. Wall in reasonably good condition with some vegetation growth at plinth level.

Proposed works required - Remove all vegetation to both sides of wall. Take off remaining coping and loose bricks to top of level wall and to raked section. All bricks to be removed by hand and where possible, bricks to be cleaned and stored safely for reuse.

Rebuild wall to full height in selected bricks to match existing in 1:4 Lime mortar mix. laid in English Garden bond to match existing. Salvaged bricks to be selectively mixed into new work. Provide brick on edge coping.

P38

P26



Wall 1 – Eastern End

Description - Original brick wall enclosing Orchard Area, retaining higher ground behind. Area each side of original gate opening missing but standing sections appear sound.

Proposed works required - Remove all vegetation to both sides of wall. Take off remaining loose bricks to top of level wall and to raked section. All bricks to be removed by hand and where possible, bricks to be cleaned and stored safely for reuse.

Rebuild wall to full height in selected bricks to match existing in 1:4 Lime mortar mix. laid in English Garden bond to match existing. Salvaged bricks to be selectively mixed into new work. Provide brick on edge coping.

P39

P27



Wall 1 – Eastern End

Description - Original brick wall enclosing Orchard Area, retaining higher ground behind. Area each side of original gate opening missing but standing sections appear sound.

Proposed works required - Remove all vegetation to both sides of wall. Take off remaining loose bricks to top of level wall and to raked section. All bricks to be removed by hand and where possible, bricks to be cleaned and stored safely for reuse. Damaged buttress piers to be taken down.

Rebuild wall to full height in selected bricks to match existing in 1:4 Lime mortar mix. laid in English Garden bond to match existing. Salvaged bricks to be selectively mixed into new work. Provide brick on edge coping.

Rebuild existing buttressing piers to front and rear in accordance with detail drawings. Piers to front to be in solid masonry with feature detailing to match existing. Piers to rear to be in facing brick, built off original bases with reinforced concrete infill to Engineer's details.

P40

P28



Wall 1 – Centre Section

Description - Original brick wall enclosing Orchard Area, retaining higher ground behind. Standing sections appear sound.

Proposed works required - Remove all vegetation to both sides of wall. Take off remaining coping and any loose bricks to top of level wall. All bricks to be removed by hand and where possible, bricks to be cleaned and stored safely for reuse. Damaged buttress piers to be taken down.

Rebuild wall to full height in selected bricks to match existing in 1:4 Lime mortar mix. laid in English Garden bond to match existing. Salvaged bricks to be selectively mixed into new work. Provide brick on edge coping.

Rebuild existing buttressing piers to front and rear in accordance with detail drawings. Piers to front to be in solid masonry with feature detailing to match existing. Piers to rear to be in facing brick, built off original bases with reinforced concrete infill to Engineer's details.

P41

P29



Wall 1 – Centre Section

Description - Original brick wall enclosing Orchard Area, retaining higher ground behind. Standing sections appear sound but slightly leaning outwards. Original brick pier buttress pier has become disconnected from main wall..

Proposed works required - Take down buttress pier, but only when new pier to opposite side has been constructed. Rebuild pier to full height in accordance with detail drawings. Piers to be in solid masonry with feature detailing to match existing.

P42

P30



Wall 1 – Centre Section

Description - Original brick wall enclosing Orchard Area, retaining higher ground behind. Standing sections appear sound.

Proposed works required - Remove all vegetation to both sides of wall. Take off remaining coping and any loose bricks to top of level wall. All bricks to be removed by hand and where possible, bricks to be cleaned and stored safely for reuse.

Rebuild wall to full height in selected bricks to match existing in 1:4 Lime mortar mix. laid in English Garden bond to match existing. Salvaged bricks to be selectively mixed into new work. Provide brick on edge coping.

Complete repairs to lower section of wall in salvaged and new bricks to match all as above.

P43

P31



Wall 1 – Centre Section

Description - Original brick wall enclosing Orchard Area, retaining higher ground behind. Standing sections appear sound.

Proposed works required - Remove all vegetation to both sides of wall. Take off remaining coping and any loose bricks to top of level wall. All bricks to be removed by hand and where possible, bricks to be cleaned and stored safely for reuse.

Rebuild wall to full height in selected bricks to match existing in 1:4 Lime mortar mix. laid in English Garden bond to match existing. Salvaged bricks to be selectively mixed into new work. Provide brick on edge coping.

Complete repairs to lower section of wall in salvaged and new bricks to match all as above.

P44

P32



Wall 1 – Centre Section

Description - Original brick wall enclosing Orchard Area, retaining higher ground behind. Standing sections appear sound.

Proposed works required - Remove all vegetation to both sides of wall. Take off remaining coping and any loose bricks to top of level wall. All bricks to be removed by hand and where possible, bricks to be cleaned and stored safely for reuse.

Rebuild wall to full height in selected bricks to match existing in 1:4 Lime mortar mix. laid in English Garden bond to match existing. Salvaged bricks to be selectively mixed into new work. Provide brick on edge coping.

Complete repairs to lower section of wall in salvaged and new bricks to match all as above.

P45

P33



Wall 1 – Centre Section

Description - Original brick wall enclosing Orchard Area, retaining higher ground behind. Standing sections appear sound.

Proposed works required - Remove all vegetation to both sides of wall. Take off remaining coping and any loose bricks to top of level wall. All bricks to be removed by hand and where possible, bricks to be cleaned and stored safely for reuse.

Rebuild wall to full height in selected bricks to match existing in 1:4 Lime mortar mix. laid in English Garden bond to match existing. Salvaged bricks to be selectively mixed into new work. Provide brick on edge coping.

Complete repairs to lower section of wall in salvaged and new bricks to match all as above.

P46

P34



Wall 1 – Centre Section

Description - Original brick wall enclosing Orchard Area, retaining higher ground behind. Standing sections appear sound.

Proposed works required - Remove all vegetation to both sides of wall. Take off remaining coping and any loose bricks to top of level wall. All bricks to be removed by hand and where possible, bricks to be cleaned and stored safely for reuse.

Rebuild wall to full height in selected bricks to match existing in 1:4 Lime mortar mix. laid in English Garden bond to match existing. Salvaged bricks to be selectively mixed into new work. Provide brick on edge coping.

Complete repairs to lower section of wall in salvaged and new bricks to match all as above.

P47

P35



Wall 1 – Centre Section

Description - Original brick wall enclosing Orchard Area, retaining higher ground behind. Standing sections appear sound.

Proposed works required - Remove all vegetation to both sides of wall. Take off remaining coping and any loose bricks to top of level wall. All bricks to be removed by hand and where possible, bricks to be cleaned and stored safely for reuse.

Rebuild wall to full height in selected bricks to match existing in 1:4 Lime mortar mix. laid in English Garden bond to match existing. Salvaged bricks to be selectively mixed into new work. Provide brick on edge coping.

Complete repairs to lower section of wall in salvaged and new bricks to match all as above.

P48

P36



Wall 1 – Centre Section

Description - Original brick wall enclosing Orchard Area, retaining higher ground behind. Standing sections appear sound.

Proposed works required - Remove all vegetation to both sides of wall. Take off remaining coping and any loose bricks to top of level wall. All bricks to be removed by hand and where possible, bricks to be cleaned and stored safely for reuse.

Rebuild wall to full height in selected bricks to match existing in 1:4 Lime mortar mix. laid in English Garden bond to match existing. Salvaged bricks to be selectively mixed into new work. Provide brick on edge coping.

Complete repairs to lower section of wall in salvaged and new bricks to match all as above.

P49

P37



Wall 1 – Western Section

Description - Original brick wall enclosing Orchard Area, retaining higher ground behind. Standing sections appear sound.

Proposed works required - Remove all vegetation to both sides of wall. Take off remaining coping and any loose bricks to top of level wall. All bricks to be removed by hand and where possible, bricks to be cleaned and stored safely for reuse.

Rebuild wall to full height in selected bricks to match existing in 1:4 Lime mortar mix. laid in English Garden bond to match existing. Salvaged bricks to be selectively mixed into new work. Provide brick on edge coping.

Complete repairs to lower section of wall in salvaged and new bricks to match all as above.

P50

P38



Wall 1 – Centre Section

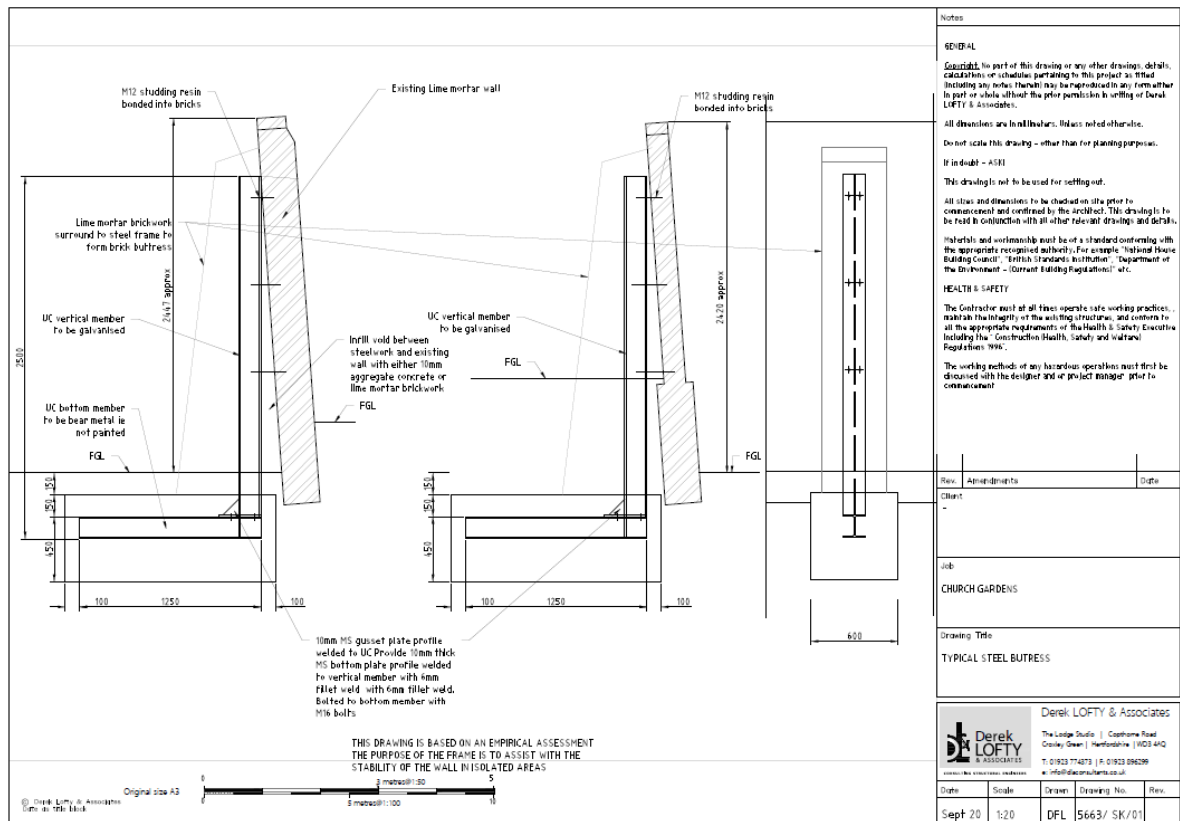
Description - Original brick wall enclosing Orchard Area, retaining higher ground behind. Standing sections appear sound.

Proposed works required - Remove all vegetation to both sides of wall. Take off remaining coping and any loose bricks to top of level wall. All bricks to be removed by hand and where possible, bricks to be cleaned and stored safely for reuse.

Rebuild wall to full height in selected bricks to match existing in 1:4 Lime mortar mix. laid in English Garden bond to match existing. Salvaged bricks to be selectively mixed into new work. Provide brick on edge coping.

Complete repairs to lower section of wall in salvaged and new bricks to match all as above.

Appendix 1



Drawing No. 5663/SK/01 Derek Lofty & Associates