

MASONRY REPAIR WORKS TO THE NORTHERN BOUNDARY WALL

The wall consists of brick panels with buttresses. The wall is capped with dreeses stone coping stones overwhich there is a metal railing fence.

Eastern facing section:

- Point up the gap between the stone pier.
- Deep tamp to secure the coping stone.

Bay A (7550mm in length):

- Point up 3no. joints to the coping stones.

Bay B (5900mm in length):

- Point up 4no. joints to the coping stones.

Bay C (6600mm in length):

- Point up 4no. joints to the coping stones.
- Point up crack to the coping stones.

Bay D (7840mm in length):

- Point up 6no. joints to the coping stones.
- Point up under the capping stones.
- Piece in 4no bricks.
- Allow for 7m sq of repointing.
- Rebuild the top 4 courses of the western buttress.

Bay E (5350mm in length):

- Carry out mortar repair to 4 no. bricks
- Patch repoint approximately 1m sq.
- Rebed 4no. loose bricks at the base of the western buttress.
- Point up the gap at the head of the western buttress and the coping stone.
- Point up 2no. cracks to the coping stones.

Bay F (5880mm in length):

- Point up 4no. joints to the coping stones.
- Point up 2no. cracks to the coping stones.
- Point up the gap between the upper course of brick and the coping stones.
- Repoint the top two courses to the western buttress.

Bay G (5920mm in length):

- Point up 1no. joint to the coping stones.
- Point up around the fence post.
- Point up the gap between the upper course of brick and the coping stones.
- Patch repoint approximately 1m sq.
- To the western buttress piece in 2no. headers at the base.
- Repoint the western buttress.

Bay H (17030mm in length):

- Point up 8no. joints to the coping stones.
- Point up 4no. areas of cracks to the coping stones around fence posts.
- Repoint all the brickwork, approximately 17m sq.

Bay I (9850mm in length) Stonework:

- Point up 4no. joints to the coping stones.
- Allow for repointing 7m sq.

Bay J (7130mm in length):

- Point up 6no. joints to the coping stones.
- Make good the damaged coping stone, reset the stone and carry out a resin repair
- Point up the gap between the upper course of brick and the coping stones.
- To the eastern buttress repoint approximately 2 courses.

Bay K (12430mm in length):

- Point up 5no. joints to the coping stones.
- Carry out mortar repairs to approximately 2m of coping stones.

Bay L (6150mm in length):

- Point up 5no. joints to the coping stones.

Bay M (6240mm in length): No repairs required

Specification 1: Rebuilding brickwork

The object is to secure the brickwork to prevent collapse of loose brickwork.

Carefully take down the indicated areas, provide suitable support to the wall plate and surrounding brickwork. The areas indicated are to be reviewed as the works progress. Put bricks to one side and include for clearing the mortar from the brickwork so they can be reused. Note: where the outer face of the brickwork is damaged, but the brick is structural sound, retain these as they can be used for rebuilding with the damaged face used facing into the wall, or used a head course.

The brickwork is to be bedded in a 3.5 NHL 1:3 with course graded sand, and pointed as specification 2.

Specification 2: Repointing brickwork

The object of the repointing is to provide effective shedding of water for the long term protection of the brickwork

Cut back existing mortar minimum depth of 50 mm. Clean out existing loose mortar using only fine chisels and a light hammer, fine saw blades and fine raking spikes, taking care not to damage the edges of the stonework, or to dislodge any stones. DO NOT USE ANGLE GRINDERS. DO NOT USE COLD CHISELS, which can wedge in the joints and damage the edges of brickwork. Impact must be at an angle to the joint face and not perpendicular to it. Brush out loose debris, wash out and wet prior to pointing. Apply mortar pointing, compacting firmly into place and fill the joint. Once the mortar has set knock back to show the arrisses of the bricks, and brush back with a chum brush or similar followed by a soft brush.

Spray with fine mist spray to prevent rapid drying throughout the process. Work must be protected from rain to avoid smearing of facework and must be protected from excessive heat/ cold.

Mix for repointing
1 : 3. NHL 3.5 natural hydraulic lime: course washed sharp sand

Note: A sample of the pointing is to be prepared for approval by the architect.

Specification 3: Mortar repair of stone cappings

The object of the mortar repair is to provide protective finish to the copings that have lost their surface i.e. that are broken or are spalling to prevent further deterioration which could potentially lead to further damage.

The coping stones to be repaired are to be agreed with the architect.

Brush out loose debris, wash out and wet prior to pointing. Apply Lithomex mortar pointing, compacting firmly into place and fill the void do not exceed a depth of 80mm and do not apply in thickness less than 5mm. Apply in full accordance with the manufacturer's recommendations. Shape and form the Lithomex to replicate the profile of the coping stones..

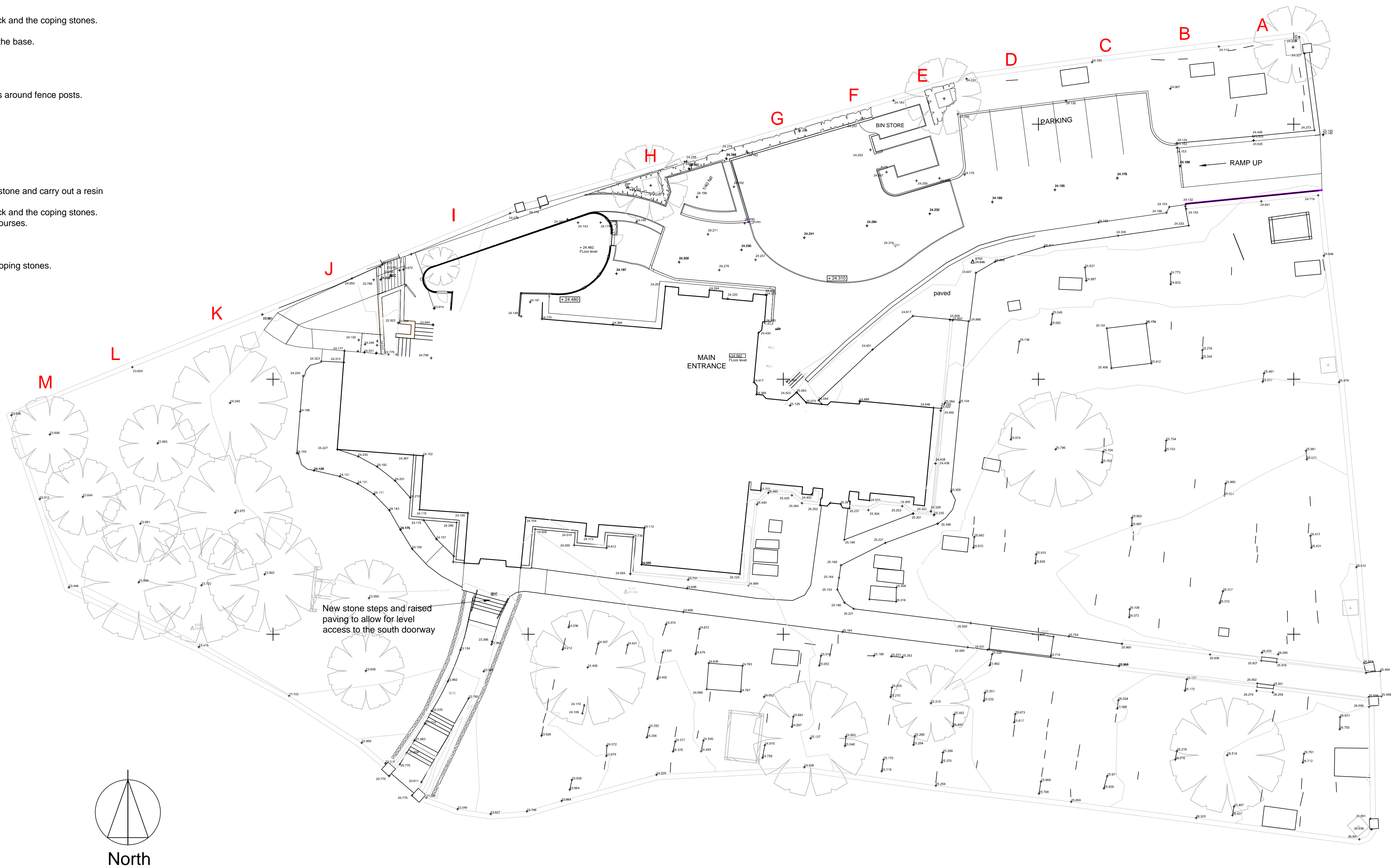
Provide a sampe to agree the colour of the mortar mix. Protection: Protect completed mortar repairs from adverse weather until they have fully set.

Specification 4: Renewal of damaged bricks

The object of the task is to remove and replace bricks that are so badly damaged that they are no longer supporting the surrounding brickwork with salvaged bricks.

The bricks to be repaired are to be agreed with the architect before removal.

Carefully remove the remnants of the damaged bricks taking care to avoid damage to the surrounding bricks. This may involve drilling the mortar, rake out the mortar and clear out the socket with fresh water. Insert a mortar bed into the socket, wet the salvaged brick and inset into the socket taking care to ensure the consistency of the joints. Repoint as Specification 2.



Project name		
St Mary's Heritage Centre		
Repairs & Alterations		
Date	Drawn by	Scale
May 2024	TS	1:200@A1
Job no	Drawing no	Rev
1555	P01	
For		
TWBPT		
Drawing title		
Proposed Site Plan		

Discrepancies, ambiguities and/or omissions between this drawing and information given elsewhere must be reported to the architect before proceeding.
This drawing is copyright.
Dimensions must be checked on site.
Do not scale off dimensions from this drawing.