

External Brickwork

- Brickwork is to be stripped of the modern paint finish.
- Any flaking and loose paint is to be removed by hand using a soft brush.
- Surrounding areas are to be suitably protected, in particular the surrounding ground and adjacent areas of stonework, to avoid damage and contamination.
- All areas of painted brick are to be treated with a combination of KEIM and FUZE paint strippers, which are appropriate for heritage projects. (Both products will be tested on a discreet area to ensure they are effective and do not damage the underlying brick).
- Once the paint stripper has lifted the paint from the surface of the brickwork, the Therma Tech steam cleaning system will be used to remove the loose paint.
- It is anticipated that the above stages 5.4 and 5.5 will need to be carried out several times in order to successfully strip all of the existing paint.
- It is anticipated that following stripping of the paintwork, the pointing on the external walls may need to be renewed. Should this be required, the existing mortar will be raked out by hand to a depth of 20mm, and the brickwork will be repointed using a hydraulic lime mortar.
- Once the paint is successfully removed the brickwork condition and appearance will also be reviewed and the next stages of finishing will be decided on:

Option 1 (preferred) - If the brickwork is in good condition and of an attractive appearance, it will be left as exposed brick.
 Option 2 - If the brickwork is not attractive, and is in poor condition, we will paint over it with a breathable lime wash.

Repair of Chimney Breast Around Electrical Cupboard

- Existing unsightly timber electrical cupboard is to be removed from the external chimney breast and is to be disposed of.
- Surround around electrical intake is to be reconstructed with a brick finish to match the surrounding brickwork and chimney breast, including brickwork, at least 2 courses high underneath electrical intake. If space does not allow use of full bricks, then brick slips will be used to ensure alignment with surrounding brickwork.
- New opening to be formed to still enable required access to electrical intake, but with a more attractive brick finish surround.
- New lockable cast iron chimney access door is to be fitted in the new opening to enable access to the electrical services.

Stone Repairs

- East facing stone facade to be repaired by specialist as follows:
- Failed hanging finials to be replaced in portland stone to match originals, to be fixed using stainless steel threaded dowels and stone resin.
- Where stone is cracked and falling, it is to be cut back and portland stone indents are to be installed.
- The portland stone carved shield from the parapet of the stone elevation is missing, to be replicated and replaced in portland stone.
- See also our Design and Access/Heritage Statement, and drawing 1943.01.03.Exg.060.1 Stonework Damage, showing the location of each of these areas on the elevation.

Stone Cleaning

- East facing stone facade to be cleaned by specialist as follows:
- Stone to be gently brushed with soft brush to remove any loose or superficial dirt and debris.
- Apply a combination of alkali stone sympathetic chemicals (to be tested on a small discreet area prior to full application).
- Stone to be brushed with light to stiff brushes.
- Therma Tech steam cleaning system applied with very low pressure to avoid damage to the stonework. The heat from the steam cleaning system will lift the remaining dirt from the surface of the stone.

Ongoing Monitoring of Internal Damp

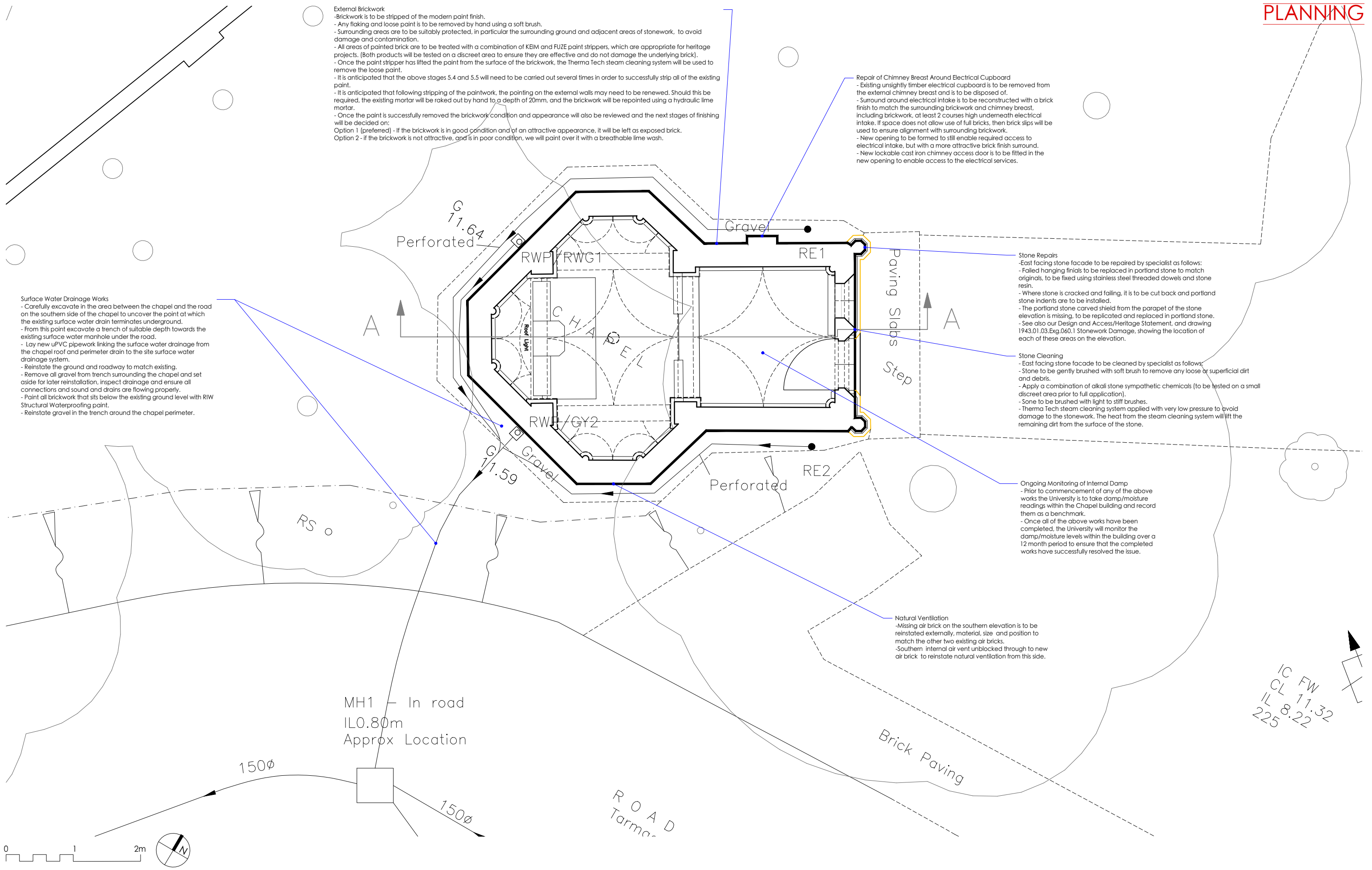
- Prior to commencement of any of the above works the University is to take damp/moisture readings within the Chapel building and record them as a benchmark.
- Once all of the above works have been completed, the University will monitor the damp/moisture levels within the building over a 12 month period to ensure that the completed works have successfully resolved the issue.

Natural Ventilation

- Missing air brick on the southern elevation is to be reinstated externally, material, size and position to match the other two existing air bricks.
- Southern internal air vent unblocked through to new air brick to reinstate natural ventilation from this side.

Surface Water Drainage Works

- Carefully excavate in the area between the chapel and the road on the southern side of the chapel to uncover the point at which the existing surface water drain terminates underground.
- From this point excavate a trench of suitable depth towards the existing surface water manhole under the road.
- Lay new uPVC pipework linking the surface water drainage from the chapel roof and perimeter drain to the site surface water drainage system.
- Reinstall the ground and roadway to match existing.
- Remove all gravel from trench surrounding the chapel and set aside for later reinstatement, inspect drainage and ensure all connections and sound and drains are flowing properly.
- Point all brickwork that sits below the existing ground level with RIW Structural Waterproofing paint.
- Reinstall gravel in the trench around the chapel perimeter.



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job title
Chapel in The Woods

client
St.Mary's University, Twickenham

drawing title
Proposed Plan

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1943.03.03.Pl.n.022

scale
 1:50@A3

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 June 2024

rev
 drawn by XD
 checked by AB