



CEMETERY INVESTIGATIONS REPORT – TEST TRIALS REPORT

SOUTH AYRSHIRE COUNCIL

AYR CEMETERY, HOLMSTON ROAD, AYR, KA7 3BE

CS&P REFERENCE: 9200

DATE:12/08/2022

INNOVATION IN THOUGHT AND STRUCTURE



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Originator : Lindsay Cunningham
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Test Trials Report

Charles Scott & Partners were commissioned to inspect the site following reports of water ingress within the burial chambers at Ayr Cemetery. Our brief was to provide Engineering Advice relating to potential water ingress issues within the concrete chambers on the eastern side of Ayr Cemetery. We carried out a series of test trials on four no. chambers.

Discussion/Recommendations

The preferred option is to install raincovers for each chamber. This will be implemented alongside other remedial works to provide a final solution for the affected chambers.

The final remedial works will include –

Removal of water within each chamber

Installation of Waterproof screed at top slats within each chamber

Installation of suitable waterproof DPM/membrane

New fabricated chamber aluminium raincover

The water will be removed from the chambers in a planned programme of works by Peter Mitchell Associates.

We would note that the above options relate to chambers where exhumations will not take place in the chambers.

Where exhumations do not occur, it will not be possible to provide a waterproof screed at base level or mid slats within a double occupancy chamber. It will also not be possible to seal/bung any holes in the chambers or provide minor remedial works to the chamber walls or base. It will also not be possible to provide any internal tanking measures.

New drainage has been installed in the general area to allow rainwater from above or below to disperse by gravity to a piped outfall. This will further reduce the possibility of water ingress into the chambers where there is a higher water table or differing ground conditions.

The trial results have provided a level of confidence in chamber rectification works. However, we cannot guarantee that water ingress will not re-occur within the chambers. Although this would be considered to be a low risk with above remedial works implemented.