



Stratford Park Lido

Estimated Costs for plantroom replacement

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Brief

Following our condition survey report for the site submitted on the 10th August 2023 we are now able to provide estimated costs. These are based on the list of recommendations identified in the condition survey.

Objective

To provide estimated costs to enable the client to appropriately set aside funds for the upgrading of the pool plantroom area and bring the system in line with PWTAG recommendations and guidelines for good practice.

Estimated Costs

The below items were identified within the condition survey report:

Recommendation	Rationale	Budget cost +VAT
Decommission and remove all filters and pipework to the incoming and outgoing filtration pipework flanges by the external west wall of the plantroom.	To remove all existing plant and equipment not required. Items such as chemical controllers and Plate Heat exchanger will be retained	£30,000.00
Install new U-PVC pipework with GRP filters within the plantroom. Filters loaded with media compatible with Dryden Aqua DAISY filtration system.	This will protect the installation long term and reduce maintenance costs over the life cycle of the installation. A DAISY system will reduce the environmental impact of chemicals in the pool and reduce operating costs.	£300,000.00
Survey the pipework from the plantroom to the pool inlets and deep end suction points	To ascertain the condition and possible replacement requirements	£20,000.00
Install an overhead beam system to comply with LOLER for pump maintenance and installation	To enable a single pump install with a standby pump available	£15,000.00
Install either a run/standby or single pump with standby circulation system	We have budgeted for a single pump installation with a standby pump provided and stored on site	£43,000.00
Upgrade all control systems to include safety shutdown for chemical controls and variable speed control on the pump/s Bring all electrical distribution into a main control panel with appropriate safety interlocks	This would provide a single point of control for the installation with all interlock requirements included	£20,000.00
Dryden DAISY filtration system to reduce chemicals and provide substantial water and energy savings	This system is bespoke to an outdoor lido and will reduce chemical costs and wasted water and would align with reduced carbon costs.	£6,000.00
Relocation of the Hydrochloric acid installation	The current system is at risk, causes corrosion within the plantroom area and has the potential to liberate toxic gas	£10,000.00

The figures provided above are for budget purposes only and are valid at present day prices. Should this work proceed to order stage Broadwater would be happy to provide accurate quotations for the work required.

Our budget estimate would provide a complete plantroom refurbishment up to the pipework entry and exit points on the west wall. We have included an estimate for a CCTV survey of the pipework from the plantroom to and from the pool. As identified previously this pipework is assumed to be cast iron and may require replacement. No costs have been allocated to the replacement of this pipework within this estimate. This would involve either groundworks to replace or boring and relining of the existing pipework installation should it be required.

The estimate assumes worst case scenario and is based on the current pool installation. Should the pool tank volume change then estimated costs for plant and equipment could be reduced to account for reduced pool water volumes.