

## **Lordsfield Swimming Pool Renovation Video Conference 21<sup>st</sup> February 2023**

Present:

Sport England	Morgana Simpson
Abacus	Steve Emmas
Devin Consulting	Colin Dougal Stephano Lantrua-Kissack
Furness Partnership	Daryosh Gulparvar
LSC	Janice Stott Dave Lancaster Alan Tombs Tania Bridge Mindy Noble

The object of the meeting was to discuss the reports and recommendations for Overton swimming pool. The bullet points highlighted in Morgana's email of 14<sup>th</sup> February were used as the agenda.

- 1 Investigate the spare capacity in the local electrical distribution board and capacity of the water supply (both fed from the school). This is necessary prior to the redesign of the pool water treatment system and plantroom builders work to ensure the power and water can meet the requirements.**
  - 1.1 Dave noted that the electricity supply cable was sized for 125 amps. This was considered adequate, but the consultants require a statement of fact by a qualified electrician.  
**ACTION: LSC**
  - 1.2 The consultants consider that a 1 to 1.5 litres/second water supply capacity is required. If less, then the backwash period would have to be extended, possibly by the provision of a holding tank. The capacity is to be checked.  
**ACTION: LSC**
- 2 Carry out a CCTV of the drainage to confirm the condition and suitability for the proposed improvement works.**

- 2.1 The consultants require an investigation of the existing system: where does it go, capacity, condition, suitability to cope with backwash, agreement with Southern Water as to how much can be discharged, etc.
- 2.2 Tell Daryosh what the current discharge rate is.  
**ACTION: LSC**
- 2.3 What is the output from the school that will also have to be accommodated by the drainage system?  
**ACTION: LSC**
- 2.4 Carry out a utilities search by Southern Water to ascertain the location of public drains.  
**ACTION: LSC**
- 2.5 Provide scope for a local company to carry out the CCTV survey.  
**ACTION: Daryosh**
- 2.6 Arrange for the survey.  
**ACTION: LSC**
- 3 Carry out investigations as to the suitability of the pool surround substrate local to where the pavements have been removed (Eastern side). Management of water soaking through the paving to be resolved.**
- 3.1 The consultants noted that there was currently no drainage system for the pool surround. See 5 below.
- 4 Carry out an initial watertightness monitoring test to assess the loss of pool water.**
- 4.1 Janice reported that there had been no demonstrable loss of water from the pool over the winter. However, the consultants noted that rainfall and ambient temperature, etc. would affect that position and a more formal assessment was required, noting dates, levels, rainfall, temperature, etc.
- 4.2 This was less important if the lining was to be replaced, as is the case, so a simpler alternative was suggested. This would involve sinking a tank into the shallow end of the pool and filling it to the same level as its surroundings. This would act as a control and any differences between the level in the tank and the level in the pool would not be affected by rainfall, temperature, etc. and would therefore identify any leakage through the pool structure.  
**ACTION: LSC**

- 5 Check pool tank structural integrity by doing one of the below:**
- A. Survey from waterside before committing to improvement works, plus trial pits to the ground side. Ideally.**
  - B. Trial pits to the ground side only. Possible.**
  - C. Carry out investigation works to water side & ground side when enabling works start. Not ideal.**

5.1 LSC confirmed that option B was preferred.

5.2 The consultants considered that more site investigation is required due to:

- potential issues around the plant room foundations,
- the unknown nature of the pool structure,
- the known areas of washout due to leakage from the existing pipework and
- the ingress of water into the round through the existing paving.

5.3 This would comprise a geotechnical based on a borehole in the vicinity of the new plant room, together with a number of trial pits. LSC were assured that the work could be carried out before the pool opens for the summer, with the end of March being the target date.

5.4 It would be useful if LSC could identify the actual location of the leak(s) in the pool pipework so that the investigation could target that/those areas.

**ACTION: LSC**

5.4 The consultants would define and organise specialist quotes for the work.

**ACTION: Daryosh**

## **6 Other Matters**

6.1 It became apparent that the organisational structure will be that LSC will contract with Abacus. Devin and Furness will be subcontracted by Abacus. LSC will pay and then reclaim the money from the £20,000 grant provided by Sport England.

**ACTIONS: LSDC to accept Sport England grant offer: Completed**

**Contact Abacus: LSC tba**

**Provide fee proposals: Devin & Furness (to Abacus); Abacus to LSC**

6.2 LSC queried the reference in the reports to a deck level pool, reiterating our opinion that such a design was inappropriate for our particular needs. The consultants (Stephano) confirmed that our preferred freeboard pool was suitable for our purposes.

6.3 It is anticipated that the physical investigation works can be carried out before the pool opens for the summer season. Reports, recommendations, more accurate

estimates and design finalisation will then follow so that hopefully capital works can commence in September when the pool closes.

- 6.4 Following receipt of future work requirements and costings LSC will be in a position to talk further with Sport England about the possibility of a grant towards the capital costs.