

LOCHSIDE LEISURE CENTRE
SURVEY OF FOUNDATION SETTLEMENT

October 2010

The precise levelling points, installed in 2009 have been surveyed in August 2009, and again in June 2010.

The results of this survey, together with a key plan for the survey points, are enclosed in this report.

Over this 9 month period the maximum settlement recorded is 4mm. This translates to an annual settlement of over 5mm. The survey highlights the fact that the main hall is settling at a faster rate than some of the other buildings. The results generally tie-in with the observed slopes in the floor and changes in level, which have occurred over the life of the building. The building seems to be settling at a similar rate to the rate of settlement up to now. It is reasonable to predict that this settlement will continue until the building becomes unserviceable.

Monitoring of the settlement will continue annually. It is advisable to carry out a structural survey of the building, to establish that none of the roof or suspended floor structural members are likely to collapse because of dislodged bearings. The integrity of supporting walls should also be checked.