

**6.1 Site Description**

The soil profile comprise of Kaiti clay loam 0.2 - 0.4m overlying an impermeable clay. Drainage is very poor and due primarily to poor permeability of the clay loam topsoil and irregular surface contours.

Since the reserve was opened there were initial problems with the field surfaces. As described above the reserve soil is clay. After the field tiles were laid contractors suggested mole ploughing the fields to assist drainage. This is normally a very effective procedure where there are drainage problems. However, because of the clay soil the cracks of the mole plough did not close up (as they would in normal soil) and in summer when the soil dried up the cracks got larger as the clay condensed. Thus leaving big cracks in the field surfaces, rendering the fields unsafe for formal sports games over the summer of 1997/1998. The cracks were filled with sand and the fields have been returned to an acceptable standard.

Mole ploughing alone is not appropriate for Waikirikiri Reserve soil type and shall not be used in the future without the insertion of suitable drainage materials.

**6.2 Fitness Trail Design/Path Design and Costings**

Approximations made by the Reserves Supervisor

**Estimated Costings**

Path \$10,000 (300m x1.5m)

**Fitness Trail - \$10,000**

Sit up bench x2	\$1,000
Step up steps	\$1,000
Pull up bars x 2	\$2,000
Monkey bars x 2	\$3,000
Jogging obstacle posts	\$1,500
<b>TOTAL</b>	<b>\$8,500</b>
Contingency	\$1,500
<b>TOTAL</b>	<b>\$10,000</b>



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## 6.0 Appendix

### 6.3 Recommendation for Recreation/Community Centre

On the following pages is the Recreation/Community Centre proposal made by a member of the public received by Reserves Planning during the submission process. This proposal should be revisited in the future.