

<b>Project Goal</b>	<b>Set out of Birkdale Catchment Upgrade</b>
<b>Client</b>	Smythe Contractors Ltd
<b>Location</b>	Between Birkenhead Ave, Coroglen Ave, Parkhill Rd, along Bernie Pl. to Roseberry Reserve
<b>Project Parameters</b>	Setout of Manholes and lines
<b>Services Provided</b>	Provided Solutions for Specialist Reports: <ul style="list-style-type: none"><li>• Calculation of sewerline positions and grades</li><li>• Setout sewerlines every 5m along 6 lines with a total length of approximately 1500m.</li><li>• Supplying New Zealand Transverse Mercator coordinates and levels with depths to center of pipes</li><li>• Redefinition surveys and setout of retaining wall</li><li>• As built survey and drawings to be supplied to NSCC</li></ul>

<b>Project Period</b>	2009
<b>Project Budget</b>	\$5 million
<b>Works Budget</b>	\$50 K

