Barry Satchell

Project Goal	**38 Lot Integrated Residential Development**
Client	Goodwin Building Services
Location	Robertson Road, Mangere, Manukau
Project Parameters	BSCL has taken this project from raw land enquiry to consent approval. Construction will occur summer 08/09. The sites location presented a natural semi-flat ex horticultural site for design. Extension of Council infrastructure to the site for sewer and stormwater was complicated as existing pipes were under capacity. A significant length of new stormwater line to reach the site was designed over a distance of 300 metres including along a public road and through a neighbouring primary school.
Services Provided	Provided Solutions for Specialist Reports: • Arborsit report – Protected Tree • Topography survey and civil engineering design • Full tender and civil contract administration • Land Transfer survey & approvals • Resource Consent approval • Environmental (Soil Contamination) monitoring before and after due to former horticultural use • Geotechnical Reports – Imported clay fill • Underpin neighbours house due to proximately to new drain • Stormwater Treatment and Disposal (ARC Discharge)Overland Flowpath with minimum FFL's
Project Period	2007 - 2009
Project Budget	$12 Million
Works Budget	$1.1 Million

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