

# MITCHAM KERB, WATERTABLE & DRAINAGE



**LOCATION**

Blythwood Road,  
Lisburne Road,  
Clemsford Road &  
Northbrook Road,  
Mitcham

**CONTRACT VALUE**

\$550,000

**CONSTRUCTION PERIOD**

January 2013 - April  
2013

**FORM OF CONTRACT**

AS2124-1997

**CLIENT**

City of Mitcham

**PROJECT SUPERVISOR:**

Luca Radogna

**REFEREE**

Caren Blythe  
City of Mitcham  
Ph: 8372 8888

**DESCRIPTION OF PROJECT:**

Installation of 550m of subsurface drainage in a steep environment in significant rock. Replacement of approximately 1200m of kerb and adjustment of driveways to suit. Work to be completed in a highly populated suburban environment.

**PROJECT CHALLENGES:**

1. Extensive rock breaking for installation of stormwater pipe to be completed while causing minimum nuisance to local residents. Work proceeded with a small excavator mounted rock breaker in the middle of the day to limit the effects on local residents.
2. Work had to be completed on a number of fronts within a suburb. Complex traffic management and detours in place with daily changes to works to minimise disruption to residents. Residents continually updated on works to ensure access at all times.

**KEY CONSTRUCTION PROCESSES:**

This project involves installing stormwater infrastructure in existing roads with tight access, steep inclines, permanent residents and a rock subgrade. Over 1200m of kerb needs to be removed and replaced at new levels to match the new road reconstruction. All the driveways in the area (45) need to be matched into the new levels and permanent access for residents needs to be maintained.

This steep area in Mitcham is prone to flooding and very high velocity surface waters on the steeply inclined roads. T & J Constructions have been contracted to install subsurface drainage and new kerbs to address the flooding issues. T & J Constructions have used multiple small, high powered excavators to complete the trenching in rock with a rock breaker permanently mounted on one excavator. We have utilised smaller 8t trucks to minimise the impact on residents and to help with the access issues. Once the kerb and new stormwater is complete we are prepping for hotmix by Topcoat (contracted direct to Council) to resheet the roads.

Despite encountering rock T & J Constructions have delivered the project within the proposed 10week construction period.

- The works include;
- Routine pavements and surfacings
  - Minor culvert work
  - Moderately complex traffic management
  - Non-complex stakeholder management
  - Non-complex service relocation
  - Hotmix and Granular Pavement Construction
  - Excavation in rock not requiring blasting
  - Cross and longitudinal drainage
  - Bitumous Surfacing