

Project Profile

Home Improvement Store – Masters Adelaide Airport



Client	Construction Engineering
Location	Adelaide Airport, South Australia
Duration	February 2014 - October 2014
Contract	Civil, Demolition and Asbestos removal package
Cost	\$2.3 million

Project Overview

McMahon Services were contracted by Construction Engineering to undertake this extensive project at the Adelaide Airport. The project involved the demolition of existing buildings, asbestos removal and extensive civil packages for the new Masters Hardware store, totaling 13,700 square metres. The project utilised many of our in-house trades and divisions, including; Civil Engineering, Demolition and Decommissioning and Asbestos Removal.

The scope was as follows:

- › Demolition of buildings, two fire pump tanks and a bowling club as well as various structures, including the removal of asbestos within the bowling club eaves;
- › Removal of existing trees, asphalt, concrete car parks, footpaths, kerbing, fencing, gates and underground services;
- › Installation of temporary stormwater drain and silt erosion management items, including a silt trap built with a silt fence to clean water exiting site into the airport drain;
- › Extensive removal of underground asbestos piping including decommissioning of some live services within the asbestos piping;
- › Temporary re-division of live main water with asbestos pipe to allow for delivery of bulk earthworks;
- › Major bulk earthworks under Level 1 geotechnical supervision for all proof of layers during placing of fill and compaction tests;

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- › Rectification of soft ground to high groundwater levels;
- › Construction of building plateau to make way for new warehouse construction;
- › Installation of underground stormwater system including installation of gross pollutant traps and floodgates;
- › Construction of new roundabout adjacent to IKEA carpark entrance;
- › Construction of concrete kerbs and ramps;
- › Construction of asphalt carparks and roads;
- › Construction of plateau for concrete wearing course and footpaths;
- › Installation of new street lighting.

With this project being undertaken just outside the Adelaide Airport, which is a very high traffic and high pedestrian area, detailed planning and thorough project management was a pivotal part of the successful delivery. To ensure minimal impact on IKEA trading, traffic management was essential and undertaken by the McMahon Services team, resulting in temporary revised traffic flow to allow for the construction of the new roundabout. The project was also split into stages to allow the IKEA carpark to stay permanently open for trading.

McMahon Services worked collaboratively with Construction Engineering to keep the project moving forward at all times. McMahon Services achieved all early project milestones and ensured that there was no initial delay with the Construction Engineering master program. Furthermore, Construction Engineering were pleased with the efforts of McMahon Services especially given these works were completed in and around a high volume live traffic area, situated in the new joint entrance road and roundabout.

