

CONSTRUCTION OF CARPARK 28



VALUE \$1.5M

YEAR 2018

DURATION 2 months

CLIENT University of Canberra

REFEREE Mark Thompson

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SUMMARY

Carpark 28 was constructed to replace 200 carparking spaces lost to the development of the University of Canberra Specialist Medical Centre. A section of sports ground was reclaimed to construct the new parking facility. In the early stages of construction Complex undertook investigations to determine the suitability of existing material to form the pavement subgrade.

Existing materials on site were found to be unsuitable, primarily consisting of uncontrolled fill with high moisture and organic content. This was accepted as a latent condition to the contract and posed a significant increase in cost to the client. Complex worked closely with the projects design consultant to develop a solution to reduce financial impacts, proposing an alternative cement stabilised pavement design and additional subsoil drainage. The alternative design was well received by the client and provided a significant cost saving.

Features of the project included; coordination of works with the Health Hub building tenants, face-rock finished gabion retaining walls, terraced parking facilities, heavy duty flexible pavements, LED streetlighting and CCTV security camera installations. All works were completed without any safety, environmental or quality non-conformances.

PROJECT FEATURES

Bulk earthworks	Multiple flexible pavement profiles
Subsoil drainage	Signage and line marking
Stormwater pits and pipes	LED street lighting
Cement stabilised pavement base	CCTV security camera
Gabion retaining walls	Paid parking facilities (inc. boom gates)
Kerb and gutter	Handrails
Vehicle crossings	Landscape plantings
Rigid pavements	