

PROJECT: ELF Stage 2B – Enoggera
Gallipoli Army Barracks Upgrade
Installation of underground service infrastructure

VALUE: 11.5 million (AWD Works)

DURATION: 12 months

Allan Ward Drainage was the primary Subcontractor onsite for installing underground service infrastructure and pump stations at the Gallipoli Army Barracks. Working closely with the Principle contractor (John Holland), AWD delivered and commissioned all service infrastructure enabling the successful handover of new building precincts on program.

Works include:

Installation of underground service networks including Natural Gas and Firefighting/Potable/Recycled Water.



Installation of HV and communication conduits, SCEC pits and upgrading of existing pits



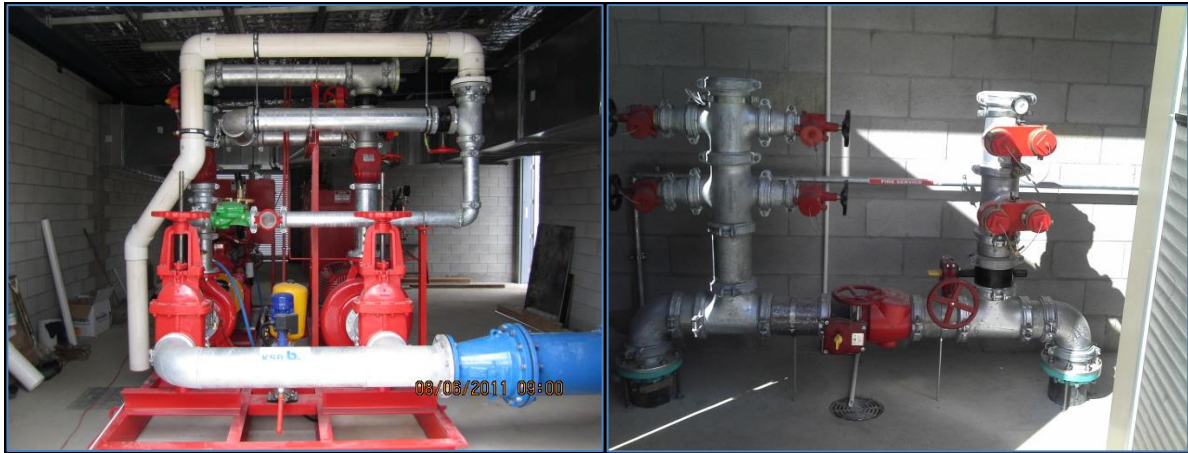
Installation of Flow Meter Pits, Reduced Pressure Zone Arrangements, Reflux/Check Valve arrangements

Performing night works to eliminate the disruption cause to the Barracks



Approximately 25km of underground pipe work was installed on the project with 100% of all pipelines passing the pressure testing requirements. Pressure tests ranged from 180kpa, for Natural Gas, to 1700kpa for boosted fire mains. Pipe material types installed included HD PVC, M PVC, PVC, Ductile Iron, Polyethylene and Copper.

Installation of a fire fighting system including multiple pump sets, H-patterns and double pillar fire hydrants pump stations



AWDs broad range of capabilities in the field of service infrastructure was the main contributing factor to the successful installation and delivery of new service networks at the Enoggera Army Barracks.

Some of the challenges overcome on the project included:

Negotiating excavations in close proximity to

Assisted with site design issues

Live Traffic

Managing Delivery systems

Material Volumes and handling, stockpile small area

Environmental management (Silt, PH levels in discharge water)