

Project Name	CIVIL SEWER DIVERSION
Project Date	August to December 2018
End Client	Maranoa Regional Council
Suffcon's Client	Maranoa Regional Council
Total Project Value	\$478,000.00
Suffcon's Project Value	\$478,000.00
Project Scope	Supply and Install a permanent Truck Sewer Diversion Main between to existing sewer mains to increase flow rates and alleviate congestion during peak flow periods.
Suffcon's Scope	<p>Supply and Install 303m of 225mm RRJ Sewer grade SN8 - laid in an existing street, across two intersections (one was the main street of Roma). Connect the discharge main to an Existing Manhole; construct two new inline Manholes and construct a new Manhole over an existing Sewer at the head of the line.</p> <p>Perform all 'Live Sewer' works including 'breaking in' and benching. The sewer depth varied between 3.3 and 4m deep.</p> <p>A traffic Management Plan was developed and implemented with daily inspections.</p> <p>Confined space permitting was required and completed.</p> <p>Service Location was required and completed and was carried out by an accredited supplier. Potholing of services was done in-house.</p> <p>The existing road was saw cut and after backfilling Base Coarse and sub Base were install with a 2 part seal coat to finish.</p>
Suffcon's Deliverables	<p>Hydrostatic testing of the new mains and manholes was a requirement and completed.</p> <p>Lot conformance Testing plan (ITP) was developed and completed for the compaction testing regime.</p> <p>Witness and Hold points were compliant and the only deviation from the tender documents related to unsuitable excavated material where Suffcon resolved the issue with an option to blend Type 3.4 CBR with the sandy excavated materials, wet and relay as general compaction tested fill.</p>
Suffcon's Man Hours	5267 hrs
Safety Highlights	The project had numerous safety related objectives which were all mitigated by having good risk analysis and management. These were namely but not limited too – Traffic and Pedestrian Management; Deep Excavations; Working at Heights; Confined space; Multiple simultaneous Plant and Truck movements, with egress to and from the exclusion zone.
Environmental Highlights	ESC controls were in place throughout the project. Sediment Barriers to Stormwater structures and Sediment fencing to all stockpiles and rills were installed, to limit any sediment escaping into the stormwater system and/or surrounding lagoon. Daily inspections, reviewed and remedial actions taken as the works progressed. Stock pile Management- Carting spoil to a remote location and stockpiling – to be later mixed with CRB and returned the excavation for compaction.

Commencement – Markout ; Raod sawing; Excavation



Potholing



Road Plates

Excavation



Silt Fencing

Intersection crossing



Sotrmwater inlet silt protection



Excavation



Shoring



Shoring



Service location



NBN & Water



900mm SW



Compaction 95% General Fill



Shoring & Excavation



Existing Services methodology



Manhole base & setting Lid

