



PROVEN TRACK RECORD IN PIPELINE CONSTRUCTION

With close to 30 years' experience, Rob Carr has developed our capabilities in gravity and pressure pipeline construction to the highest standards.

Rob Carr constructs pipeline infrastructure via conventional open cut and trench excavation for a range of utilities providers including stormwater, water, wastewater and energy. We have extensive experience over multiple projects working with the varying pipe types required for gravity or pressure mains including PVC, PP, GRP, HDPE, MSCL and Sintakote. Rob Carr owns an extensive civil fleet of equipment including 40 hydraulic excavators, 14 loaders, 100+ sets of shoring and multiple pumping and power generation equipment, which aid the ongoing precise and efficient delivery of such projects.

One of the longest pipelines constructed by Rob Carr is the 41km of water and telecommunications infrastructure and complex commissioning works at Roy Hill Iron Ore Mine in remote Western Australia. Another recent example of our capability in delivering complex infrastructure projects in remote locations is the construction of a 9km pipeline in the mining town of Mount Isa, Queensland. The project involved

several interconnecting gravity and pressure wastewater pipelines, the construction of two pump stations and upgrade of a third. Most recently, we successfully completed 10km of gravity and pressure pipeline in Merrimac for the City of Gold Coast, which involved a combination of greenfield and complex urban construction.

Other major self-performed pipeline projects include ongoing individual projects on the Infill Sewerage Program works for Western Australia's Water Corporation. Some recent pipeline works delivered by Rob Carr for this state-wide program included 7km of gravity and pressure pipelines in Port Hedland, 11km of wastewater pipelines in Halls Head along with connection of 450 residential lots to mains sewer, 14km of wastewater pipeline with 650 lot connections in Spearwood, and 15km of gravity and pressure pipelines with 444 lot connections in Dawesville.

Pipeline construction, particularly with conventional open trench methods, has the potential to be disruptive to local communities and the environment. With Rob Carr's well-established certified management systems that are compliant with standards for Quality (ISO9001), Safety (AS4801) and Environment (ISO14001), we deliver quality pipelines for our clients in a safe and sustainable manner.



Mount Isa Sewerage Augmentation – Stage 1

MOUNT ISA 

CLIENT Mount Isa City Council

WORKS COMPLETED Rob Carr was engaged to manage, construct and deliver the entire project to upgrade Mount Isa City Council's sewerage infrastructure. Rob Carr self-performed all the major portions of work, which involved the construction of 9km of trunk gravity and pressure mains, the construction of two new sewage pumping stations at PS01 and PS18 including all mechanical and electrical fitout and modifications to another existing pumping station PS04. Further works on the project included construction of an emergency storage tank, modifications to pump controls along with ongoing detailed traffic management and community and stakeholder liaison. As Head Contractor, Rob Carr undertook a collaborative coordination approach and achieved project delivery five months ahead of schedule.

Roy Hill Iron Ore Project Operation Water Pipeline (Package 3 SMP E&I)

ROY HILL 

CLIENT Samsung C&T Corporation

WORKS COMPLETED This contract involved the design and construction of a 25.5km raw water supply pipeline from the existing bore fields through to the stockyard and port facility in Port Hedland. The work primarily involved conventional trench excavation along the Roy Hill rail corridor and included the installation of bore pumps and head works at six bore field sites, all self-performed by Rob Carr. Rob Carr was also responsible for the management and installation of all the telemetry and logic control software engineering for all bore fields. Trenchless works (HDD and microtunnelling) were carried out at various locations beneath rail embankments and roads to allow for the continuation of the pipeline along the rail corridor. We were awarded two additional packages of work, which required the construction of 16.4km of DN100 communications conduits and 80 chambers via open trenching and a HDD package that involved completion of 33 small crossings of diameters ranging from DN100 to DN450 PE pipe.



Infill Sewerage Program

MULTIPLE AREAS 

CLIENT Water Corporation

WORKS COMPLETED The Infill Sewerage Program is one of the biggest single capital works projects ever undertaken in Western Australia to connect more than 100,000 households in Perth and country centres that previously relied on septic tanks to deep sewerage. As a preferred and selected contractor, to date we have delivered over 150km of pipeline construction across various packages of the program in multiple locations in regional and metropolitan Western Australia. The pipelines on all Infill Sewerage Program projects have been constructed using a combination of conventional open trenching as well as innovative trenchless techniques. In 2016, Rob Carr achieved industry recognition our delivery of the Program's Construction of Gravity Sewer, Pumping Stations and Pressure Mains For Reticulation Areas Dawesville 1B, 4A, 5A and DN300 Connecting Sewer contract—we won the WA Civil Contractors Federation award for excellence in construction, for projects valued between \$10M–\$30M

Northern Pipeline Interconnector - Stage 2

SUNSHINE COAST 

CLIENT Northern Networks Alliance consisting of Seqwater, McConnell Dowell, Abigroup and KBR

WORKS COMPLETED Rob Carr was engaged by the Alliance to provide specialist tunnelling and deep shaft construction expertise to construct key road, rail and creek crossings by microtunnelling along the alignment. After successfully addressing these challenges and completing the deep caissons, the DN1500 tunnels and installation of the DN1290 Sintakote water mains within same, we delivered a further 2km of DN1290 critical water pipeline infrastructure via open trenching. Rob Carr was entrusted by the Alliance to deliver this critical section of work given our experience and skill working with difficult non self-supporting water charged ground conditions.

For more information please visit rob carr.com.au or call **1300 883 602**

