



Public Utilities Quick Access Guide

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UTILITY		CBD SCOPE	UTILITY AUTHORITY SCOPE
ALL UTILITIES		<p>Design management of all Major Utility Infrastructure Design processes. Interface lead for coordination of all utility design packages by others including water, sewer, stormwater, electrical, telecoms, gas, combined services routes (CSR), state conduits, traffic signals, street lighting and CCTV, ensuring a coordinated design approach is achieved.</p> <p>3D, BIM, 4D (timescale) and photorealistic staging animation. Utility Survey Data Management to manage sub-surface utility data in accordance with AS 5488 and authority drafting & presentation standards.</p> <p>Clash Analysis utility register and maintain during the design and construction of the utility works.</p>	<p>Review utility relocation coordination plans, models, animations and provide 'in principle' approval for the concept designs. This may be over a number of iterations until all concerned Utility Authorities and stakeholders are happy with the proposed alignments.</p> <p>Asset owners are involved in the design development journey to obtain efficient approvals.</p>
CONTESTABLE	WATERMAIN	Undertake certified design and documentation of major water infrastructure relocations and protections and obtain approvals from authorities.	Authority to approve watermain relocation design
	SEWER	Undertake certified design and documentation of major sewer infrastructure relocations and protections and obtain approvals from authorities.	Authority to approve sewer relocation design
NON-CONTESTABLE	ELECTRICAL	<p>Detailed design and space proofing for all civil works required to facilitate required electrical relocations (pits, ducts, poles and padmount / ring main unit sites) Liaise with electrical authority accredited consultant, stakeholders, and design team in the design process.</p>	<p>Electrical authority to approve CBD detailed civil design of the electrical relocations. Detailed electrical design by electrical authority accredited consultant. Electrical authority manages construction of electrical reticulation, termination and energisation works.</p>
	TELECOMS	<p>Space proofing for all civil works required to facilitate required telecoms relocations (pits and ducts) Our concept design informs Telstra, NBN and other telecoms carriers detailed design. Usually, they adopt 3D alignments we develop in their detailed design.</p>	<p>Telecoms carriers develop their own detailed designs either inhouse or using a panel of their own approved consultants. Based on previous projects, their designs are very schematic and do not consider other utilities / urban environment, etc. They rely heavily on our 3D space proofing. Telecoms authority manages construction of network relocations</p>
	GAS	In Queensland and other states with prior agreement we can develop detailed Gas relocation designs and obtain approvals from the Gas Authority.	<p>Gas Authority to approve CBD detailed design of the gas relocations. Gas authority manages construction of the gas relocations</p>
CONSTRUCTION SUPPORT		<p>Construction support providing constructability input and sequencing for all civil engineering areas including roads, rail, civil structures, stormwater, sewer, water, telecoms, electrical, gas, traffic signals, street lighting, CCTV and urban hard/softscapes, with a strong focus on value engineering. Construction phase services including procurement, cost planning, programme, quality systems, management plans, inspections, RFI's, REPA certification and progress reporting.</p> <p>Temporary works including support structures and bypassing of utilities Subsurface Utility Investigations (SUI) and develop pothole schedules & plans on behalf of the contractor.</p>	<p>Approval to access utility owned assets in accordance with their Duty of Care. Assistance on site where required to trouble shoot issues and carry out higher risk investigations.</p>