

Position Title	Senior Design Engineer
Department	City Assets
Unit	Asset Design
Team	Design
Supervises	no direct reports
Reports To	Team Leader
Grade	I
Date Prepared	1/10/2018
Date Last Updated	8/10/2024

Our Vision & Values: A leading organisation that collaborates & innovates



We are committed to **safety**



We work as one **team**



We act with **integrity**



We care about our **customers**



We **continuously improve**

Primary purpose of position

Deliver design documentation and cost estimates on assigned Capital works projects






Accountabilities

- Carry out site investigations and prepare preliminary designs and reports in line with investigation.
- Prepare detailed documentation for tender and construction.
- Prepare cost estimates related to design documentation and in line with project budget.
- Liaise with your Team Leader, Project Managers, relevant Utilities, Asset partners and/or other
- Government agencies in the delivery of design documentation.
- Serve as a tender evaluation panel member in the selection of contractors and consultants.
- Act as mentor to graduate designers or work experience students.
- Act as Team Leader when required.
- Perform other duties as required by Manager.

Position capabilities and level

Below is the full list of capabilities and the level required for this position. The capabilities in bold are the focus capabilities for this position. Refer to the next section for further information about the focus capabilities.

Capability Profile – Senior Technical/ Professional Specialist

Capability Group	Capability Name	Level
 Personal Character	Lead Self	Advanced
	Display Resilience	Adept
	Act with Integrity	Advanced
	Safety and Accountability	Advanced
 Relationships	Communicate and Engage	Adept
	Customer and Community Focus	Adept
	Work Collaboratively	Advanced
	Influence and Negotiate	Adept
 Results	Plan and Prioritise	Advanced
	Think and Solve Problems	Adept
	Innovate and Improve	Advanced
	Deliver Results	Advanced
 Resources	Finance	Adept
	Assets and Tools	Adept
	Technology and Information	Adept
	Procurement and Contracts	Adept
 People Leadership	Manage and Develop People	N/A
	Inspire Direction and Purpose	N/A
	Optimise Workforce Contribution	N/A
	Lead and Manage Change	N/A

Focus Capabilities

The focus capabilities for the position are those judged to be most important at the time of recruiting to the position. That is, the ones that must be met at least satisfactory level for a candidate to be suitable for appointment.

CBCity Capability Framework - Focus Capabilities

Group & Capability	Level	Behavioural Indicators
Personal Character		
Act with Integrity	Advanced	<ul style="list-style-type: none"> • Models ethical behaviour and reinforces it in others • Represents the organisation in an honest, ethical and professional way and sets an example for others to follow • Promotes integrity, courage and professionalism inside and outside the organisation • Monitors ethical practices, standards and systems and reinforces their use • Proactively addresses ethical and people issues before they magnify
Relationships		
Communicate and Engage	Adept	<ul style="list-style-type: none"> • Tailors content, pitch and style of communication to the needs and level of understanding of the audience • Clearly explains complex concepts and technical information • Adjusts style and approach flexibly for different audiences • Actively listens and encourages others to provide input • Writes fluently and persuasively in a range of styles and formats
Results		
Think and Solve Problems	Adept	<ul style="list-style-type: none"> • Draws on numerous sources of information, including past experience, when facing new problems • Demonstrates an understanding of how individual issues relate to larger systems • Makes appropriate recommendations based on synthesis and analysis of complex numerical data and written reports

		<ul style="list-style-type: none"> • Uses rigorous logic and a variety of problem solving methods to develop workable solutions • Anticipates, identifies and addresses risks and issues with practical solutions • Leads cross team/unit efforts to resolve common issues or barriers to effectiveness
Resources		
Technology and Information	Adept	<ul style="list-style-type: none"> • Selects appropriate technologies for projects and tasks • Identifies ways to leverage the value of technology to achieve outcomes • Ensures team understands their obligations to use technology appropriately • Ensures team understands obligations to comply with records, information and knowledge management requirements

* Focus Capabilities are those judged to be the most important at the time of recruiting to the position. The mix of “focus” capabilities can change over time, reflecting changing work priorities and current team strengths.

Delegations

Decisions associated with this position are to be made in accordance with the Delegations of Authority (Policy186) approved by the Chief Executive Officer.

Code of Conduct

All staff are required to adhere to the Code of Conduct (CP25).

Work Health & Safety

All staff are required to adhere to Council’s WHS&E Responsibilities and Authorities document (REF229) and associated policies and procedures.

Records Management

All staff are required to comply with Council’s Records and Information Management policies, procedures and guidelines.

Qualifications and Experience

Essential Qualifications

- Tertiary qualification in Civil Engineering recognised by Engineers Australia.
- Class C driver's licence.

Essential Experience

- Minimum 5-10 year's industry experience working at the level of professional engineer in the field of design.
- Skilled in all areas of Civil Engineering, survey, analysis, design and documentation.
- Extensive experienced in the application of current Australian engineering standards in particular RMS, AUSTROADS standards and guidelines, AUSPEC and Australian Rainfall and Runoff.
- Demonstrated competency in the use of civil engineering software programs, 12D, AutoCad, AutoTurn, ParkCad, DRAINS, and HEC-RAS.
- Excellent knowledge of construction cost estimating and extraction of quantities for civil infrastructure projects.
- Extensive knowledge of and ability to prepare REFs (Review of Environmental Factors) for design projects in accordance with EP&A Act of 1979.
- Excellent written and verbal communication skills.

Desirable Qualifications and or Experience

- Further training and/or experience in the field of design Civil Engineering, design preparation and software, e.g. Honours or Masters Degree

HUMAN RESOURCES USE (SELECT YES OR NO)	YES	NO
Does this position fall under the definition of child related employment?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Does this position require incumbent to undergo criminal reference check?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Does this position require incumbent to demonstrate good driving Licence class required: C Class Drivers Licence	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Will incumbent need to make disclosure of pecuniary interest?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Could there be a conflict of interest with secondary employment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>