



## Position Description – Irrigation Designer

<b>Division</b>	City Operations
<b>Portfolio</b>	Construction and Delivery
<b>Business Unit</b>	Open Space and Property Projects
<b>Level</b>	6
<b>Reports To</b>	Coordinator Open Space and Property Projects
<b>Prescribed Position</b>	No

### Position Objective

Working for the City of Charles Sturt, the Irrigation System Designer is responsible for the design, planning, and assessment for development of efficient and sustainable irrigation systems for parks, reserves, sporting fields, and other public open spaces within the council areas of the City of Marion, City of Charles Sturt and City of Port Adelaide. This role ensures that irrigation infrastructure supports the council's environmental sustainability objectives while delivering high-quality green spaces for the community.

### Key Responsibilities

- **Design and Development:** Design irrigation systems that optimise water efficiency, constructability and amenity outcomes for alignment with council asset management plan.
- **Project Planning:** Prepare detailed plans, specifications, and cost estimates for new irrigation projects and system renewals or upgrades.
- **Technical Assessments:** Conduct site evaluations, and hydraulic assessments to determine irrigation requirements.
- **Compliance and Standards:** Ensure designs comply with relevant industry standards, regulations, and local government policies.
- **Stakeholder Engagement:** Collaborate with collaboration partners, internal stakeholders, maintenance and construction teams, contractors, and community stakeholders to ensure irrigation project alignment with council objectives.
- **System Audits and Reporting:** Conduct audits on existing irrigation systems, assess performance, and recommend improvements.
- **Innovation and Technology:** Stay up to date with emerging irrigation technologies and integrate smart irrigation solutions where applicable.
- **Environmental Sustainability:** Promote best practices in water conservation, stormwater harvesting, and drought resilience within irrigation designs.

- Positively contribute to our constructive culture by living our values which guide decision making and delivery of outcomes for our community.
- Actively deliver an innovative customer experience that's effortless, delivered with care and exceeds our customers' expectations.
- Responsible for being actively involved in the identification and management of the day-to-day risks of their activities and projects.
- Take reasonable care for your own and others health and wellbeing in accordance with the Work Health & Safety Act 2012 and with Council's Work Health & Safety Managements Systems.
- Promote and maintain a child safe environment and take action as per Council's Children and Vulnerable Persons Policy.

## **Selection Criteria**

### **Skills**

- Experience in the design, implementation, and maintenance of irrigation systems, preferably in a local government or public infrastructure context.
- Project management awareness skills, with the ability to coordinate multiple design projects simultaneously.
- Proficiency in irrigation design software (e.g., AutoCAD, Irricad) and GIS applications.
- Ability to work independently for extended periods while also collaborating effectively with the team and broader stakeholder groups.
- A commitment to sustainability and environmental best practices in irrigation design.
- Strong analytical skills and attention to detail.

### **Knowledge**

- Strong knowledge of irrigation design principles, including hydraulic calculations, pipe sizing, and pump selection.
- Familiarity with relevant Australian Standards, local government regulations, and water conservation strategies. Including protection of trees in development zones.

### **Experience**

- Experience with smart irrigation technologies, remote monitoring systems, and water management software.
- Membership with a relevant professional organisation (e.g., Irrigation Australia, Australian Institute of Landscape Architects).
- Knowledge of plant and turf species and their irrigation requirements.

## Qualifications & Requirements

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| • A tertiary qualification in Irrigation Design, Landscape Architecture, Hydraulic Engineering, Civil Engineering, Environmental Science | Desirable |
| • Minimum 5 years' experience in irrigation installation, maintenance and management   | Desirable |
| • CID Qualification  | Desirable |
| • Car Licence  | Essential |

## Additional Information

- Travel within the multiple Council areas will be required.
- A commuter use vehicle will be available during work hours.
- Flexible working conditions are available.
- Occasional after-hours work may be necessary to meet project deadlines.