

Policy P203 Ground Water Management

Responsible Business Unit/s	Parks and Environment
Responsible Officer	Manager Parks and Environment
Affected Business Unit/s	Engineering Development Services

Policy Objectives

The City recognises that groundwater is a resource that needs to be managed responsibly. The protection and efficient management of ground water will ensure preservation of water quality and a continued supply of water for the irrigation of the City's parks and reserves, including Collier Park Golf Course and Collier Park Retirement Village.

Policy Scope

This Policy is relevant to:

- Ground water use to irrigate parks, reserves, the Collier Park Golf Course, and the Collier Park Retirement Village for the wider community to enjoy; and
- The protection of groundwater in the superficial aquifer as a result of applications for development.

Policy Statement

Irrigation

- The City's utilisation of ground water resources will include principles and practices to minimise extraction and maximise recharge by the use of:
 - a) efficient irrigation systems;
 - b) development of water conservation practices for parks and landscape areas;
 - c) efficient equipment selection to achieve both power and water savings; and
 - d) technology for the collection, validation, collation and reporting of groundwater use and efficiency data.

Drainage

- The City will institute measures to intercept surface flows so as to:
 - a) reduce direct run-off into the Swan and Canning Rivers;
 - b) enhance groundwater recharge; and
 - c) remove pollutants from surface flows prior to discharge to receiving waters.

Development

- The City will require the provision of water quality preservation plans when considering development applications incorporating basement construction. Dewatering and Acid Sulphate Soils (ASS) management plans will need to be submitted where any basement construction is included in a development proposal that may impact upon the groundwater.
- The City will require an independent review of water quality preservation plans by a competent groundwater professional before developments incorporating basements are supported.
- Infiltration of dewatering water is not encouraged because of the high likelihood of deleterious impacts, unless the proponent can demonstrate that infiltration will pose no risk.

Legislation/ Local Law Requirements

Not Applicable

Other Relevant Policies / Key Documents

City of South Perth Strategic Community Plan 2021-2031

P692: Sustainability Policy

P211 Water Sensitive Urban Design

Water Management Plan 2017-2022

M354 Stormwater Drainage for Proposed Buildings

City of South Perth Stormwater Drainage Design Guidelines