
Storm Water Management

Policy Owner: Development Services
Person Responsible: Executive Manager Technical Services
Executive Manager Development Services
Date of Approval: 19 October 2022
Amended:

Objective

This policy provides guidelines to effectively control and manage stormwater runoff from land under the care, control or management of the Shire.

Definitions

Sump means a drainage retention basin that disposes of stormwater runoff by infiltration into the ground and ultimately to the ground water table.

Compensation basin means a drainage detention basin that incorporates both a piped inlet and a piped outlet. Compensating basins may also incorporate infiltration into the ground and ultimately to the ground water table.

Scope

This policy applies primarily to manage construction, seeding/planting of compensating basin and fencing within Shire of Chittering.

Policy

The Shire does not contribute toward the cost of any fence which divides privately owned land and adjoining land held by the Shire for a public purpose except that the Shire shall contribute toward the cost of a dividing fence separating private land and a drainage basin.

The Shire allows for several methods of disposal of stormwater runoff that shall be designed and implemented to the satisfaction of the Executive Manager Technical Services.

Construction of sumps/compensating basins shall be seeded, planted and form parts of road reserve to the satisfaction of the Shire.

1. DRAINAGE SUMPS AND FENCING

- 1.1. Drainage retention basins, commonly referred to as drainage sumps built in Public Open Space or Easement, shall consist of an area of land capable of retaining a designed discharge of water in such a manner as to allow it to infiltrate to the ground water table without causing damage or undue

inundation to adjacent land.

- 1.2. All drainage sumps shall be fenced in such a manner as to prevent the entry of children.
- 1.3. A strip of land a minimum of 1 meter in width must be supplied around the perimeter of a sump fence such that landscaping may be supplied when seasonal conditions allow. All landscaping shall be to the satisfaction of the Executive Manager Technical Services.
- 1.4. Drainage sumps shall have a maximum side slope equal to the angle of repose of the natural soil unless design criteria demand a shallower slope. A berm width of 2.0 metres shall be provided between the top of the sump side slope and the fence. Vehicle access gates and ramps shall be provided to the satisfaction of the Executive Manager Technical Services to enable ongoing maintenance access to the sump.

2. COMPENSATING BASINS

- 2.1 Designs for detention basins, commonly referred to as compensating basins, shall be to the satisfaction of the Executive Manager Technical Services.
- 2.2 Where compensating basins are unfenced and are located adjacent to or surrounded by Public Open Space / Easement the side slopes shall be a maximum of 1 in 8.
- 2.3 All pipes entering compensating basins shall have Protective End Treatments in accordance with the Shire's Standard Drawings / IPWEA Guidelines.

For unfenced compensation basins the maximum overall storage depth shall not exceed 400mm.