

# Springlight Estate Stormwater Drainage

**This information sheet outlines the requirements for stormwater drainage for Springlight Estate. All residential lots located in this estate are to comply with the requirements for drainage to meet water sensitive urban design requirements.**

This information sheet has been prepared in accordance with the Urban Water Management Plan (UWMP) and Section 70A Notification on Title. Please refer to the below information when designing stormwater for this estate.

All lots shall capture the first 15mm of rainfall and infiltrate on site. Infiltration devices installed on the lot shall be interconnected with minimum 90mm diameter PVC pipe work. No infiltration device shall be installed any deeper than 900mm below ground level. The City of Armadale does not mandate any particular type of stormwater infiltration device for lot use.

All lots shall install a grated pit in the driveway to function as a bubble out pit. In the event that the lot scale drainage system is overcome the bubble out chamber will allow stormwater flows to escape overland into the City controlled street drainage system. The use of a material capable of traffic

loading is advised under driveways. Residents are also recommended to ensure the top of the bubble out chamber is below the house pad level. The figure attached provides an example of a driveway bubble out pit.

## Summary of drainage requirements

- Storage to capture first 15mm rainfall.
- All infiltration devices to be interconnected.
- Bubble out chamber in the driveway.
- Infiltration devices to be no deeper than 900mm below ground level.

**Table 1: Infiltration pit size and roof area served**

Chamber Diameter (mm)	Chamber Depth (mm)	Max. Storage Volume (m <sup>3</sup> )	Roof Area Served (m <sup>2</sup> )
1200	900	1.02	68
1500	900	1.59	106
1800	900	1.59	106

## Springlight Estate Stormwater Drainage (Continued)

