



**Drainage Summary Table**

The on site stormwater system has been designed to contain the 1% AEP critical event and 10% AEP critical event, in accordance with Shire of Murray requirements.

**Site Details**

Roof Area (C=1.0): 0.915Ha  
 Hardstand area (C=0.9): 1.90Ha  
 Infiltration Rate: 5m/day  
 Max Groundwater Level: 1.5m AHD

**Storage Volume Calculations**

1% AEP, 1 Hour Duration Event  
 Rainfall Intensity: 41.1mm/hr  
 Storage Volume Required: 1,080m<sup>3</sup>  
 Soakage Volume: 334m<sup>3</sup>  
 Outflow Volume: 212m<sup>3</sup>  
 Storage Volume: 545m<sup>3</sup>  
 Total Volume Provided: 1,091m<sup>3</sup>

**Storage Details**

Soakwells: 40 x Ø1.2m x 1.2m depth  
 Graf Ecobloc Drainage Cells: 746 (No.) x 800mm (w) x 800mm (l) x 350mm (h)  
 Drainage Swales: 1080m<sup>2</sup> infiltration area, 324m<sup>3</sup> volume

- LEGEND**
- PROPOSED DRAINAGE PIPE
  - AREA OF PAVEMENT\*
  - AREA OF BUILDING
  - AREA OF LANDSCAPING
  - PROPOSED GRAF ECOBLOCK CELLS
  - PROPOSED SOAKWELL (Ø1.2m x 1.2m DEPTH)
  - PROPOSED FINISHED PAVEMENT LEVELS
  - INDICATES OVERLAND FLOW PATH
  - INDICATES DRAINAGE PIPE FLOW DIRECTION

