THE UNIVERSITY OF SYDNEY

WATER HARVESTING [2.18] Submittal Form

Project Name

Measure

The water balance report must assess the roof collection area, amount of median monthly rain water available, monthly building and garden water demands, life cycle cost savings in avoided water consumption, and the operation and maintenance costs of the water treatment system.
Water tanks must be sized appropriately to maximise water collection potential of the building for irrigation, cooling tower use and WCs and urinals. Nominally allow the lesser of either 0.05 cubic meters or 50L storage per 1 m2 of roof area, or 75% of the maximum monthly peak water demand for the building.

The water balance report must identify the portion of annual building water consumption that will be met by rainwater reuse. The appropriate system must be installed in accordance with the CIS Hydraulic Standard.

Mandatory Requirement

Points Available **3** **Points Claimed** Select

Sign-off: Pre-contract Design Stage

☐ By ticking this box the project team confirms the Pre-contract design stage meets the requirements of the measure and details are provided in this form.

Project Team Representative	
Signature	
Name (print)	
Date	

Campus Infrastructure Services Sustainability Representative	
Signature	
Name (print)	
Date	

Sign-off: As-built Stage - to be completed at Practical Completion of Project

☐ By ticking this box the project team confirms the design and associated calculations as completed meets the requirements of this measure

Project Team Representative As-built Sign-off		Campus Infrastructure Services Sustainability Representative	
Signature		Signature	
Name (print)		Name (print)	
Date		Date	

1.0 Pre-Contract Design Stage - Water Harvesting

1.1 Proposed Design

Provide details of proposed rainwater collection, storage and reuse system:

Tank Size (L)	
Capture Area (m2)	

Rainwater to serve which services within the building and meet the following expected demands within the building:

◯ Irrigation	% Water Demand met	
◯ Cooling Towers	% Water Demand met	
◯ Fire Test Water	% Water Demand met	
◯ WC's	% Water Demand met	

Overall Potable Water Offset in the Building (L)

Provide description of the system below including filtration systems and other specific details:

1.2 Reference Documents

Provide the following reference documents as part of the Pre-Contract sign-off:

- ◯ Option 1: Roof Area and hard surfaces calculations OR
  Option 2: Water Balance Study
- ◯ Hydraulic Schematic drawing that shows rainwater tank and rainwater connections to services
- ◯ Architectural drawing(s) showing tank size and location

2.0 As-built Stage - Water Harvesting

Has the installed rainwater reuse system deviated from the approved design? Select

If there are deviations from the approved design describe these below and reasons why:

Provide details of the installed rainwater collection, storage and reuse system:

Tank Size (L)

Capture Area (m2)

Rainwater serves which services within the building and meet the following expected demands within the building:

- ◯ Irrigation % Water Demand met
- ◯ Cooling Towers % Water Demand met
- ◯ Fire Test Water % Water Demand met

Overall Potable Water Offset in the Building (L)

2.1 Reference Documents

Provide the following reference documents as part of the As-built sign-off:

- ◯ Updated Water Balance and Rainwater Capture calculations (if required)
- ◯ Hydraulic As-built schematic that shows rainwater tank and rainwater connections to services
- ◯ Architectural As-built drawing(s) showing tank size and location