31.8.2 Sub Surface

31.8.2.1 Install sub surface drainage in all garden areas adjacent to paths, buildings and turf.

31.8.2.2 Install sub surface drainage adjacent to paths and buildings in all turfed areas.

31.8.2.3 Corrugated, slotted pipe to be encased in 150mm gravel surround.

31.8.2.4 Solid pipe connections to be used under paved areas.

31.8.2.5 High end of pipe to be turned up and capped 75 mm above mulch or level with turf for flushing.

31.8.2.6 Connect sub surface pipe to stormwater system.

31.9.1 Water is to be supplied to the site for irrigation of designated turf and gardens, for hose points and for drinking fountains adjacent to the building with appropriate backflow prevention units.

31.9.2 Hose points are to be located for ease of access on building and at approximately 40 metres apart, 800 mm above ground.

31.9.3 Field gullies are to be located under hose cocks, and waste water from drinking fountains discharged in accordance with the relevant standards.

31.9.4 Water specific for irrigation should utilize recycled/bore water where available.

31.10.1 All designated grass and gardens are to be irrigated through an automatically controlled irrigation system and connected to the campus CBUS system.

31.10.2 Systems to be water efficient, low maintenance and are to be designed by an authorized irrigation designer with plans and specification included in landscape documentation and/or specified for design and construction to JCU standards. All systems to be fitted to Manufacturer's design specifications, in their entirety.

31.10.3 Landscape Architect and Irrigation designer to meet on site with JCU Grounds Supervisor before undertaking design.

31.10.4 Equipment to be located for ease of access for mainte Td[2 o)4.eB sa Td[2aff,(t)7.94t73.2(G)-i22.9

31.10.8 Shop and As Built drawings are to be provided to the client with demonstration at handover to the client at the completion of the establishment and maintenance period.

31.10.9 Materials to have a minimum 12-month warranty.

31.11.1 Categories

Categories for Gardens are to be allocated.

New Gardens	Approved imported premium quality soil mix pH 6.5 – 7.0
Under Turf	Mineral under turf mix in poorly drained soils. pH6.5 –

31.11.3.5 Proposed New Plantings

- Single species gardens should be considered
- All plants shou

31.12.1 Grass Categories

Category	Type	Species	Location
Grass 1	High profile lawns Mown Lawns Turf laid edge to edge 'A' Grade 100% weed free monoculture	Selected Buffalo Hybrid Buffalo - 'Sir Walter' - 'Palmetto' Carpet Grass	Open sunny situations
		Sweet Smother Grass	Shaded situations and under trees
Grass 2	Lawn as ground cover mown/slashed turf laid edge to edge Nut grass and noxious weed free 80% monoculture specified grass	As above	As above
Grass 3			

31.13.1 Light fittings to be vandal proof according to13