

WRC Project K5/2413: Development and management of a Water Sensitive Design Community of Practice programme



Mining Industry Study Centre, University of Pretoria 2013



The MISC is a new study centre for the Engineering Faculty at UP. The site falls within the Manie van der Schijff Botanical Garden, a research and conservation area on the western portion of the campus. Stormwater runoff is managed through a series of SuDS, all of which are extensively vegetated with plants displayed as part of the Botanical Garden. The environment created by the various SuDS provides unique humid, aquatic and/or marginal ecosystems on campus, allowing the Botanical Garden to display a variety of new native and non-native plant species.

Developers

University of Pretoria

Consultants

Aurecon (Engineering Services); ARC Architects; Department of Facilities Management; Botanical Gardens Curator

Operators

Faculty of Engineering, Built Environment and IT; Faculty of Natural & Agricultural Sciences

Water Sensitive Practices

Sustainable Urban Drainage Systems: Swales; retention ponds; 'tidal' ponds / constructed wetlands

Alternative water supplies: Stormwater (general runoff) harvesting for irrigation purposes within the Manie van der Schijff Botanical Garden

Water conservation & water demand management: Water-wise planting; use and protection of indigenous species

