



OUR NEED

The human need for water is second only to the need for air. Maslow describes the four basic human needs as air, water, food and sleep (Wagner, 2009). The four elements of nature are air, water, earth and fire. Water and air are the physical needs we directly associate with water and water is the most tangible of the two and thus could be seen as one of the strongest links between man and nature (figure 22).

Besides the physical need for drinking water, humanity uses water in its many forms in more ways than we can imagine, thus shaping our world into a water dependant system. Memories associated with water evoke an array of feelings, reactions and different interpretations of water. Water has a prominent place in many cultures and societies where its use varies from religious symbolism to manufacturing processes in factories (memory collage figure 23).

To be able to continue using water and to keep these water related memories alive, water and its related natural manifestations must be protected as a resource through

preserving, enhancing and reintroducing natural and artificial ecosystems.

The proposed site has a collage of water related, tangible and intangible, attributes that renders it appropriate for a design that focuses on the aspects of water.

These aspects include:

- The Apies River channel
- The Apies River's historical importance in the establishment of Pretoria
- The potential for habitat restoration
- The river as a functional and visual resource
- Opportunity for rainwater harvesting and treatment as part of a integrated design from concept phase

Sites specific water related goals arise

- Zero storm water runoff from parts of the site
- No use of municipal water for irrigation
- Create an educative and experiential landscape that provides encounters with water in as many forms, phases and applications as possible.

WATER EXPLORATION

The author explored ways to express some of the aspects, qualities and emotions associated water in Landscape Architecture (figure 24).

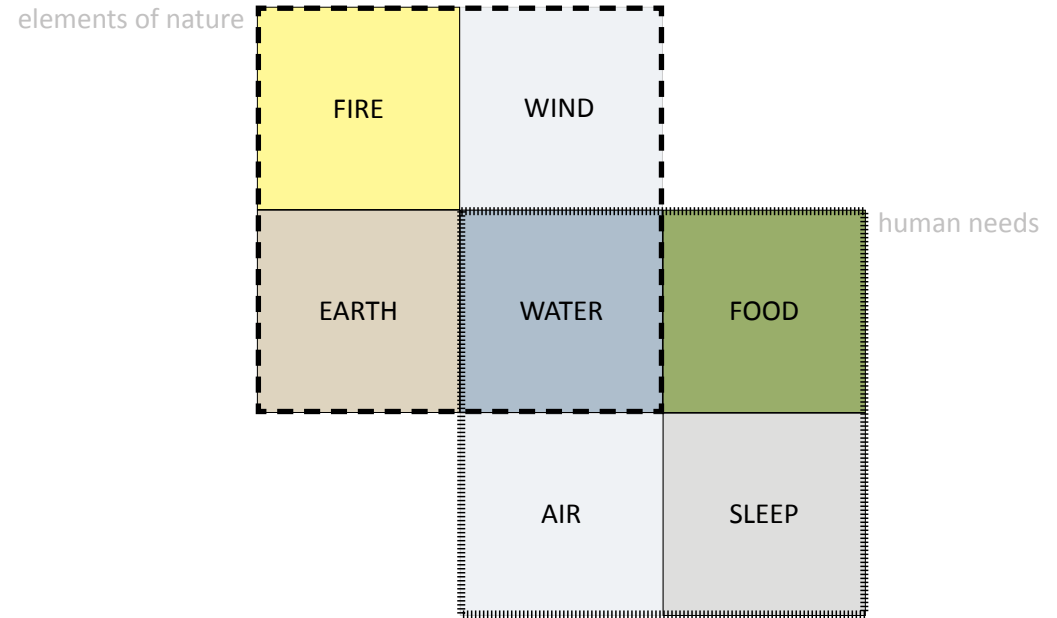
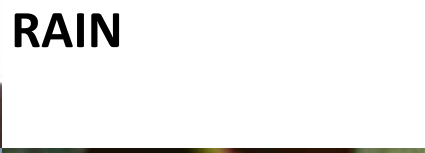


FIGURE 22. HUMAN NEEDS AND THE ELEMENTS OF NATURE- WATER BECOMES THE MOST TANGIBLE LINK BETWEEN NATURE AND MANKIND



CLOUDS

RAIN

GROUND WATER

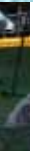
SPRINGS & HOT SPRINGS

STREAMS & RIVERS

FIGURE 24: MEMORY COLLAGE



POOLS



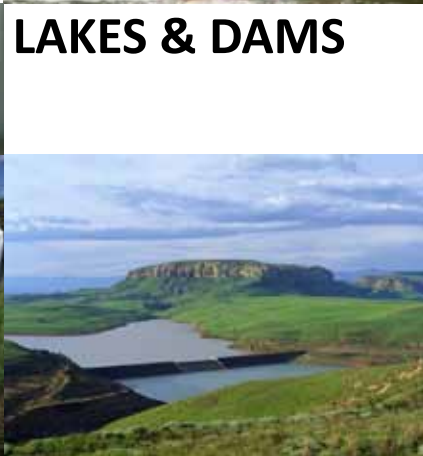
WATERFALLS



OCEANS



LAKES & DAMS



PLAY



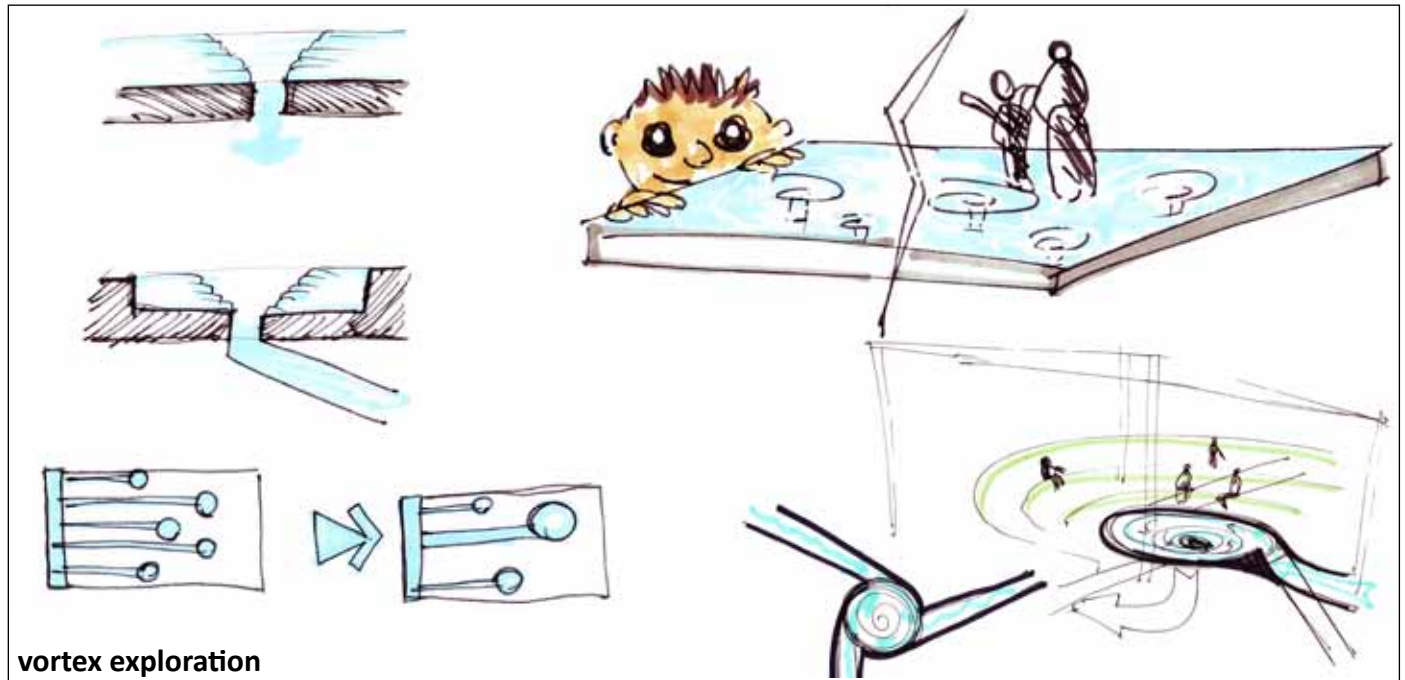
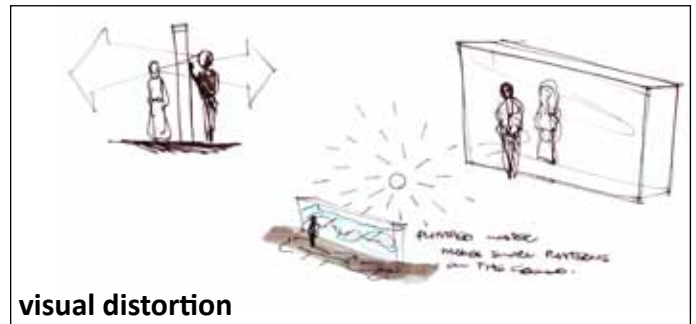
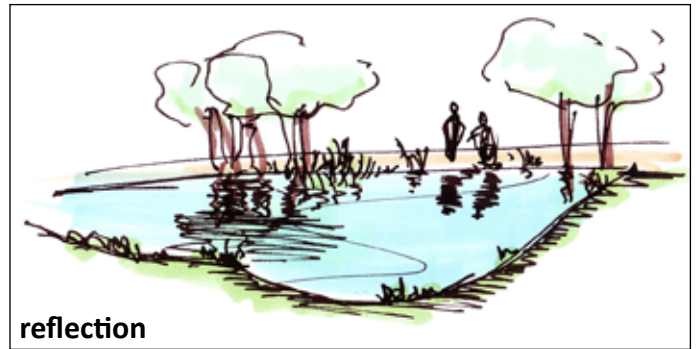
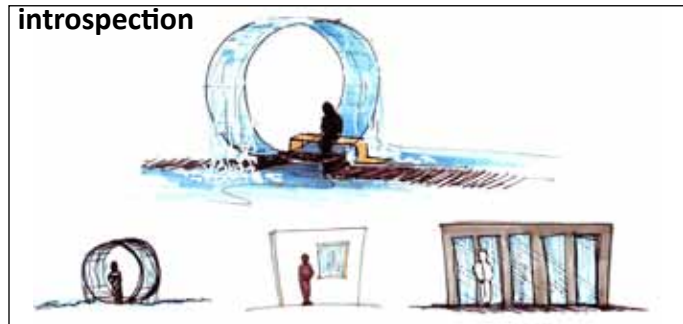
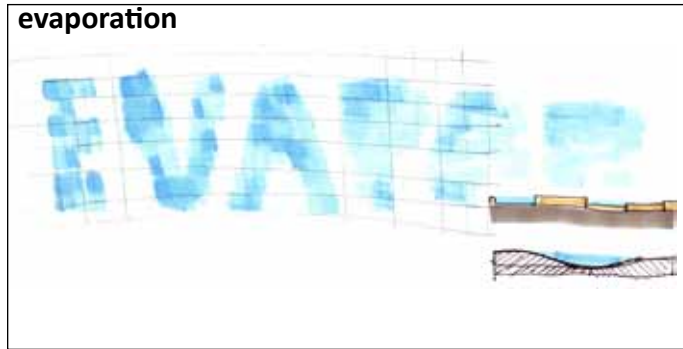
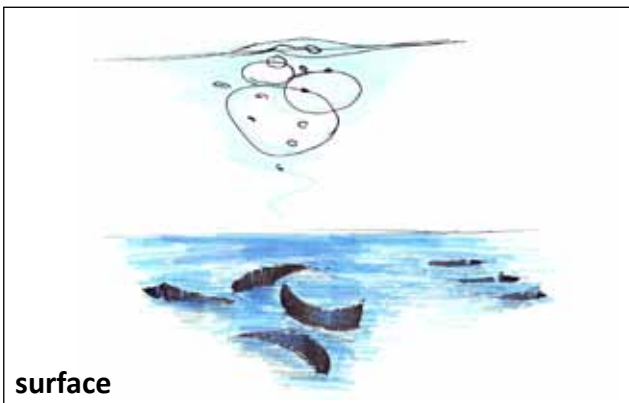
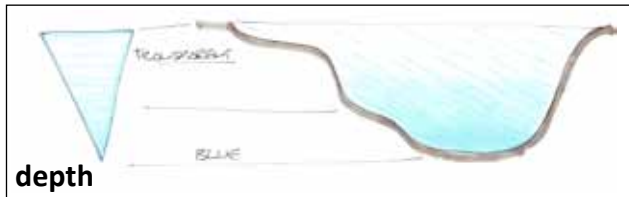
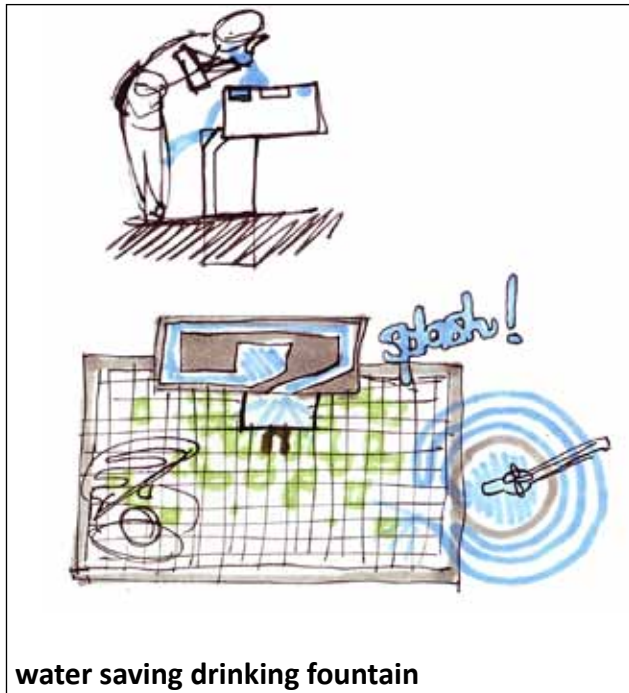


FIGURE 24. WATER EXPLORATION

