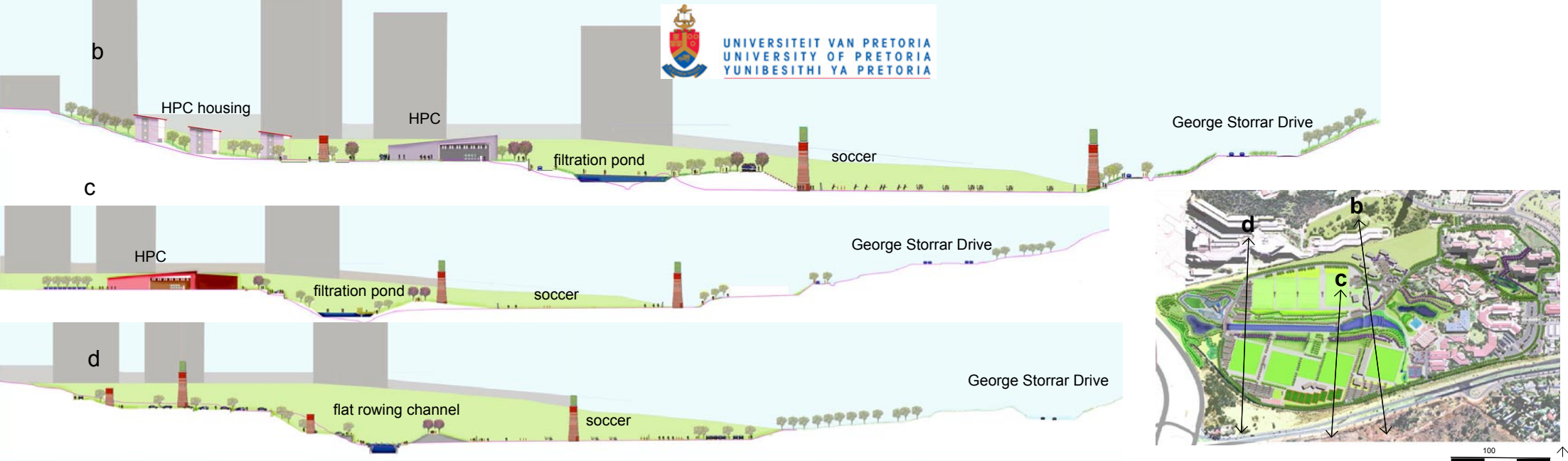




Chapter 9

Conclusion and references



9 CONCLUSIONS

9.1 Conclusions

Hypothesis made in Chapter 1:

a. The hypothesis was made that Groenkloof campus could be better utilized if an HPC is introduced.

An HPC has been set up on Groenkloof campus. Sports facilities of international standards have been implemented. The Groenkloof campus is a sports park that trains, educates, entertains and relaxes visitors from all walks of life. The campus is better utilized with the HPC as catalyst.

b. It was hypothesized that stormwater could be used in recreation and to maintain and satisfy the proposed scheme.

The stormwater management plan maintains the gardens of the campus, supplies water to the watersport facilities and aesthetically enhances the campus.

c. It was hypothesized that a material selection inspired by relevant history could commemorate cultural significance. Although the Jacaranda plantation and the landfill era were interesting history layers, the Kirkness brickfields influenced the material

choice the most. The Kirkness chimneys were reinvented in this scheme to commemorate the memory of place and the origin of the bricks used in architectural treasures in the 1900's.

The brief set up in Chapter 2 were shaped into a project by implementing the guidelines set up in Chapter 3. Chapter 4 of this thesis showed the many attempts and hurdles presented by this scheme. Did this scheme answer the brief?

- Incorporate a HPC on Groenkloof campus that caters for soccer, hockey and canoeing facilities.

The proposed Groenkloof HPC has sportsfields and watersport facilities that provide for soccer, hockey, rowing and slalom athletes.

- This project should be a regional and a sports park able to function day and night.

Sports fields and facilities, spectator seating, walking routes, stormwater management and habitat creation have been integrated to create a public/sports park environment. The Kirkness brickfield chimneys' inspired red brick floodlight/orientation beacons/ refreshment shops/ablution and history canvas towers. These structures commemorate cultural significance and allows for a 24 hour sports park.

- Circulation and parking should be dealt with on a master plan level.

Several ring roads with parking were introduced to better the vehicle and pedestrian circulation. An additional entrance at the existing service entrance further reduces the traffic volume of the main entrance of Groenkloof campus. Large sports events can now be held at Groenkloof campus.

- Incorporate a stormwater management plan for Groenkloof campus.

On-site and off-site stormwater were incorporated in the management plan / design. Bio-remediation measures were implemented to enhance the water quality of the stormwater. Stormwater is not only used as an aesthetic enhancement but also aids in habitat creation, irrigation, recreation and sports activities. The stormwater became one of the central features of the Groenkloof campus developmental proposal.

- A historically relevant material selection should be assembled for detail design.

Red brick towers commemorate the Kirkness brickfields. Clay brick have been used in paving, retaining walls and edge details.

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