



Germinate

Architecture of Growth

ii

A mixed-use housing development in Salvokop to stimulate physical and social growth in a disconnected area

by Karl-Robert Gloeck

Submitted in partial fulfilment of the requirements for the degree Master of Architecture (Professional) Department of Architecture, Faculty of Engineering, Built Environment and Information Technology, University of Pretoria

Study leader: Course coordinator: Gary White Jacques Laubscher

Pretoria 2011



for Tasha

Romans 5:3-5a

And not only this, but we also exult in our tribulations, knowing that tribulation brings about perseverance and perseverance, proven character; and proven character, hope and hope does not disappoint...



In accordance with Regulation 4(e) of the General Regulations (G.57) for dissertations and theses, I declare that this dissertation, which I hereby submit for the degree Master of Architecture (Professional) at the University of Pretoria, is my own work and has not previously been submitted by me for a degree at this or any other tertiary institution.

I further state that no part of my dissertation has already been, or is currently being, submitted for any such degree, diploma or other qualification.

I further declare that this dissertation is substantially my own work. Where reference is made to the works of others, the extent to which that work has been used is indicated and fully acknowledged in the text and list of references.

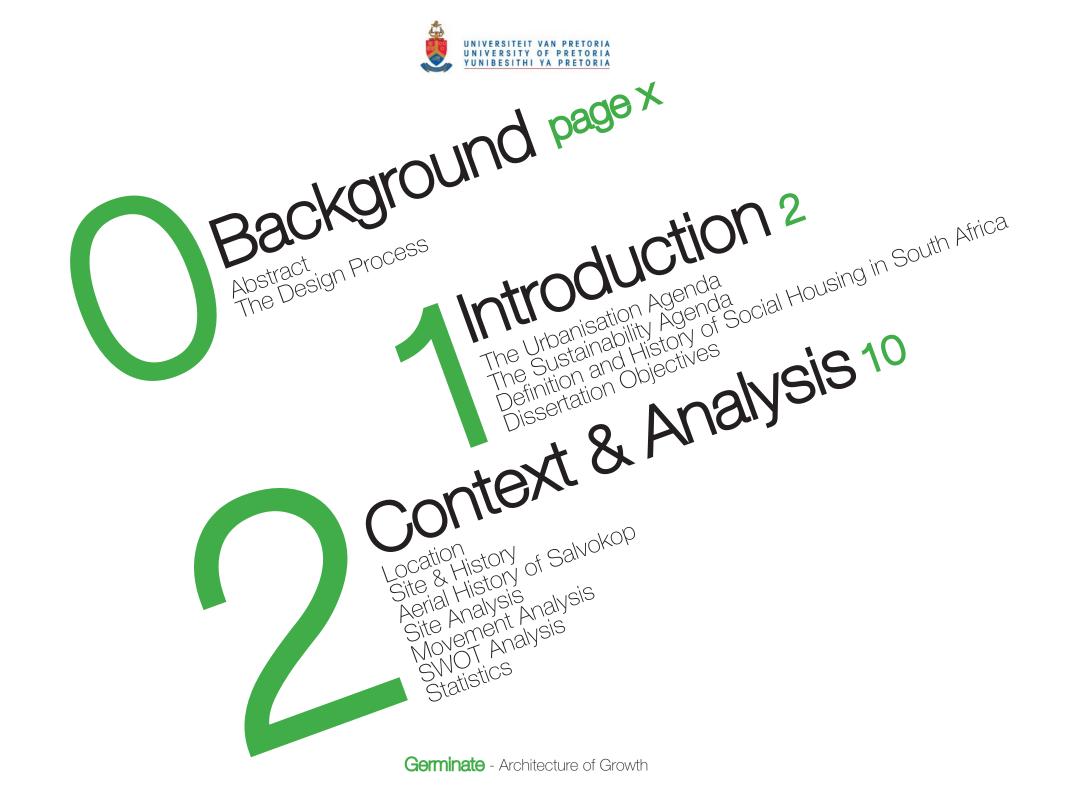
Karl-Robert Gloeck

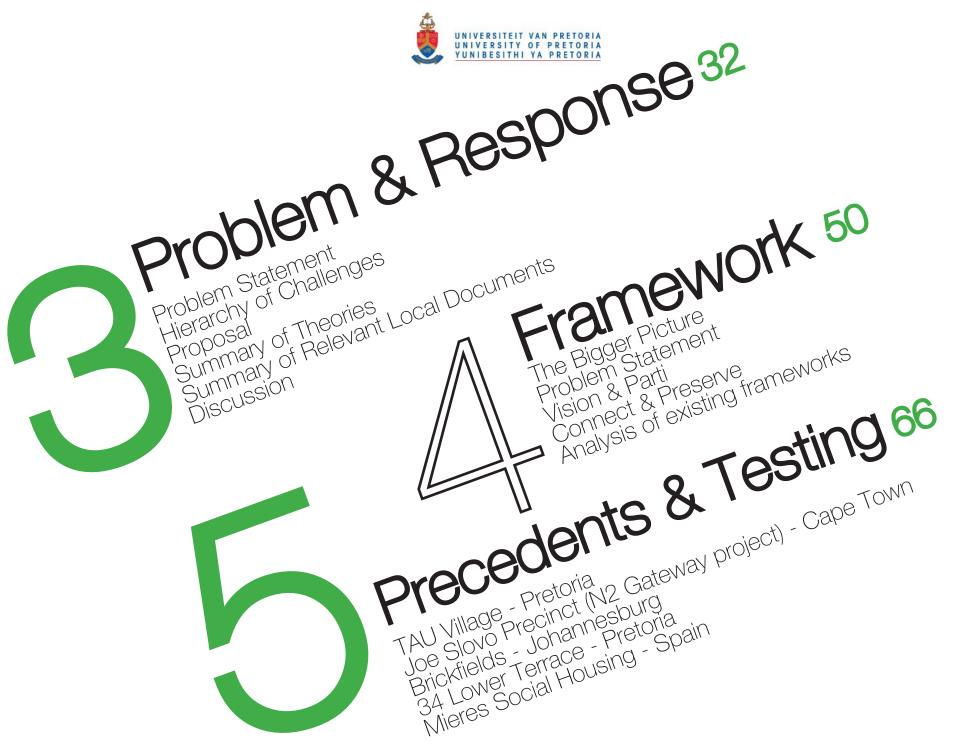


Germinate: Architecture of Growth, a mixed use development in Salvokop

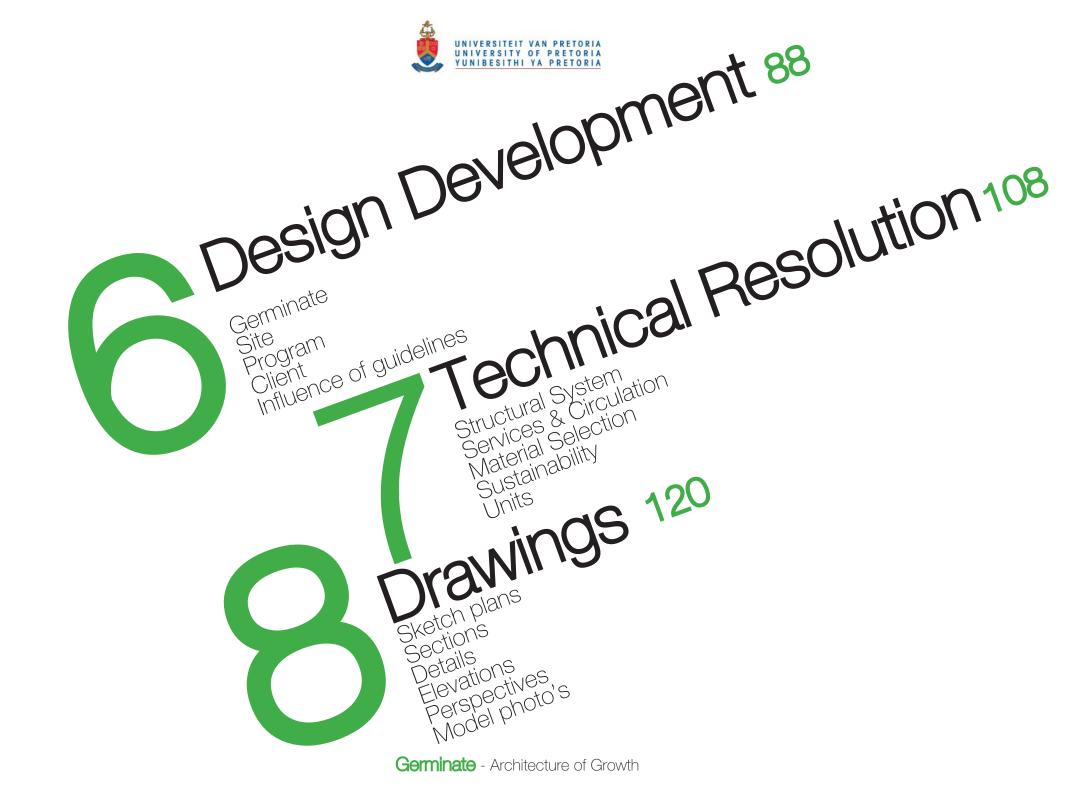
Full dissertation title:

Submitted by: Karl-Robert Gloeck Student number: 25193890 Study leader: Gary White Course coordinator Jacques Laubscher Master of Architecture (Professional) Degree: Department: Department of Architecture Faculty: Faculty of Engineering, Built Environment and Information Technology University: University of Pretoria Project summary A mixed-use housing development in Salvokop to stimulate physical and social growth in a disconnected area Mixed-use housing development Programme: Site description: Gateway into Salvokop, activating the existing pedestrian route Client: Mixed client, primarily Yeast City Housing. Students and facilitators of the Department of the Built Environment, the built Users: environment industry and the general public Site Location: Erf R/406, Salvokop c/o Skietpoort Avenue and Koch Street, Salvokop, Pretoria, South Africa Address: GPS Coordinates: 25°45'36"S, 28°11'13"E Architectural Approach: A process-focussed approach whereby guidelines are developed, validated and, along with practical influences. used to substantiate the architectural product Urbanism and human settlements Research filed:





Architecture - Housing - South Africa - Sustainability - Community





Addendums 140 Bibliography List of Illustrations List of Tables List of Figures SBAT rating tool List of Figures - SBAT rating Surface Analysis List of Figures - Horizontal Surface Analysis Addendum B - Horizontal Surface Analysis Addendum B - Horizontal Surface Analysis Addendum B - Horizontal Surface Analysis



Abstract

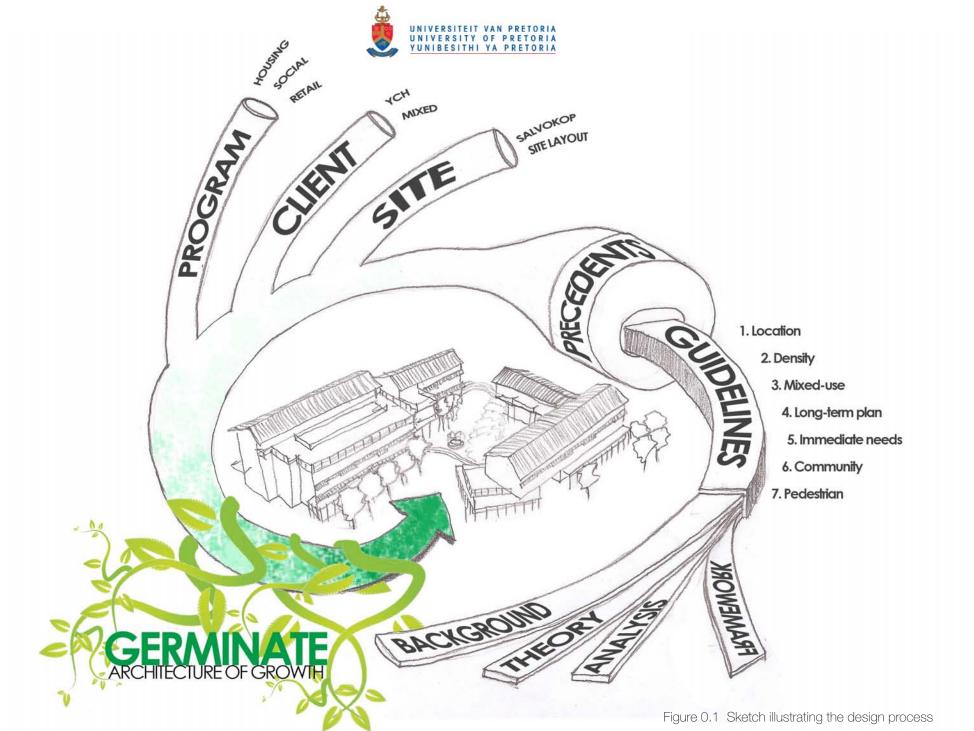
The core idea of the thesis (Germinate: Architecture of Growth) provides the creative impetus, and along with the site, the program (or function), and the client, act as a set of catalysts for the arrival at the architectural product.

The product presents the practical element of the suggested solution, and concludes the exploration of the housing and wider land-use options with the proposal of a mixed-use development to create a relevant intervention in the suburb of Salvokop.

This arrival at the product is justified by guidelines developed as a response to the pressing issues of urbanisation, environmental sustainability, and the need for housing. In addition, a development framework for the entire area of Salvokop is proposed together with

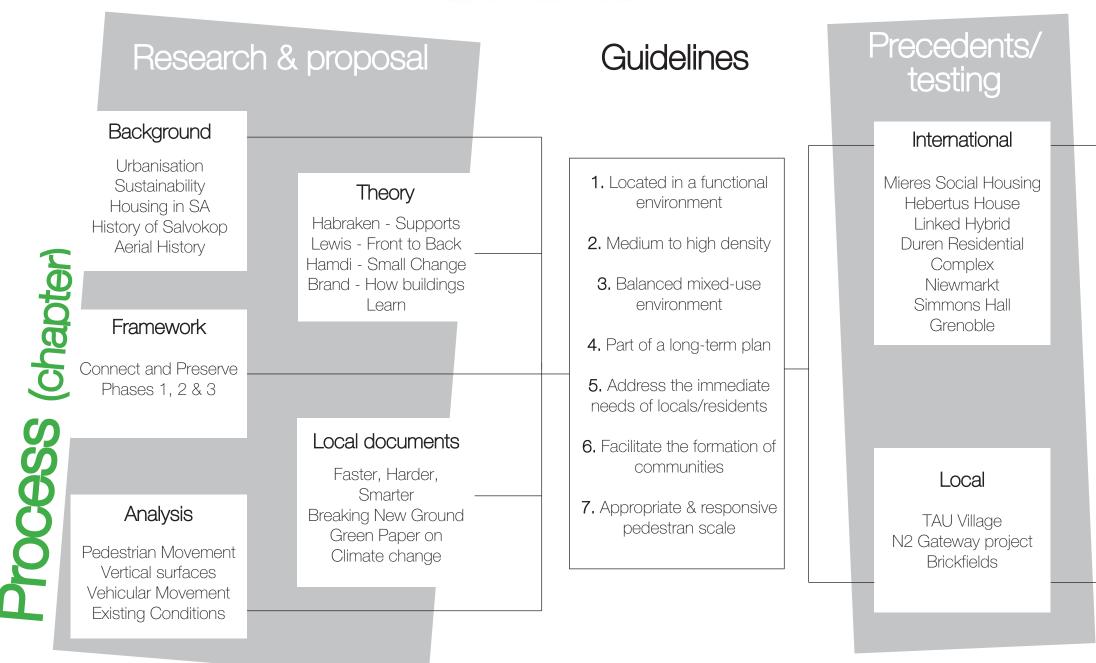
supporting analysis which also contributes to the establishment of these guidelines. Existing local and international theories are considered in order to strengthen the foundation of the argument as is appropriate for this level of post-graduate study.

Once the guidelines are established they are individually tested against a variety of existing local and international precedents. This testing validates the inclusion of each guideline in the entire process, thus justifying their application to the design.

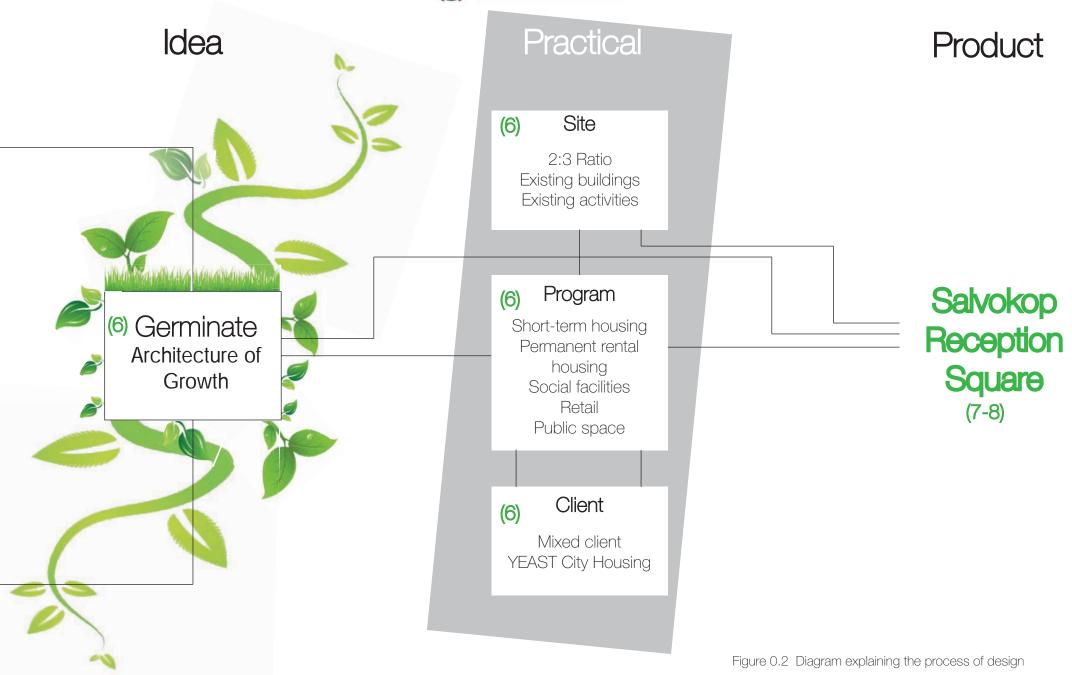


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