



5. CONCEPT DEVELOPMENT

The design development chapter is a 'curated' collection of intuitive sketches, models, and photographs. Various analogies and themes are further explored in a graphic manner. The happening brings forms and concepts together in stimulating and unpredictable combinations. It immerses in an experience of shifting yet interlinked viewpoints, and multiple climaxes. The intuitive aspects relate to such an extent that if traced by the visitor the experience should seem 'curated,' inviting exploration of new themes.

Curation complicates, amplifies, and enlivens our encounter with each object while encouraging us to seek out the ways they fit together as pieces in a larger theoretical puzzle. *The structure and form should provoke us not to simply consume but to question the experience on offer* (Rugoff, 2006: 44-45).

Angus Taylor's (South African sculptor) studio as well as his most recent collaborative exhibition (in collaboration with Rina Stutzer) *Dislodge*, was visited to inform the sculptural notions of the project. Taylor is known for his deconstruction of postmodern concerns. *Dislodge refers to a purposeful shifting from the safe haven of that which is known and the need to escape from the stagnant to the uncomfortable head space where revitalisation can occur* (Artslink, 2011).



THEN & NOW: THE SEARCH FOR A SCULPTED ARCHITECTURE



IMG 077: The discovery of fire, after Fra Giocondo



IMG 076: The building of the primitive hut after Vitruvius Teutsch



IMG 079: A sentimental scene: at work around a fire. Angus Taylor's studio. Silverton



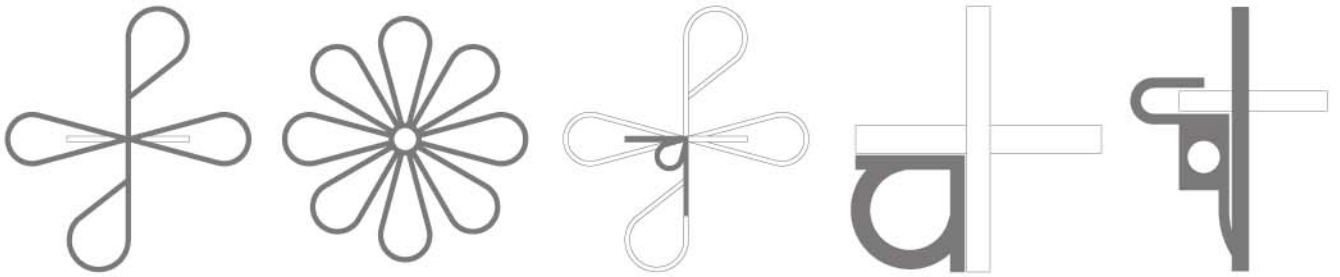
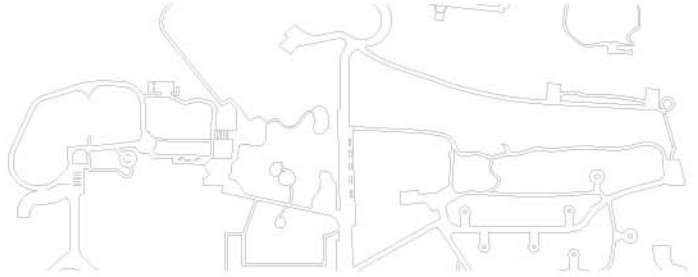
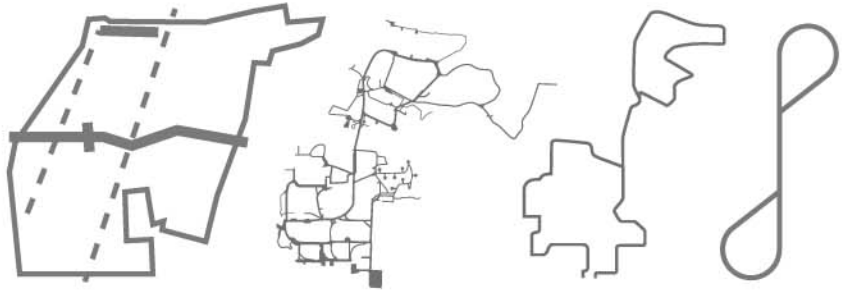
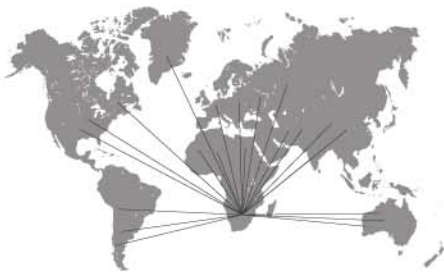
IMG 078: A sentimental scene: breaking the sculpture free. at Angus Taylor's studio in silverton



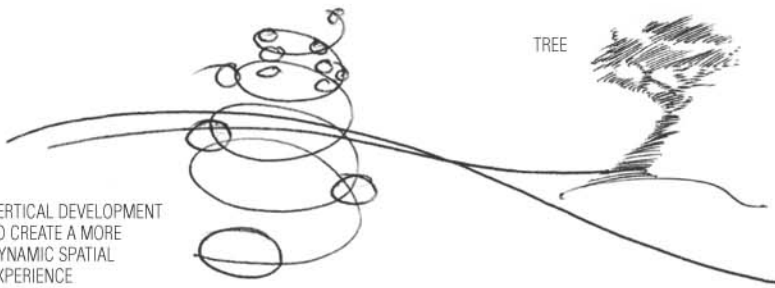


IMG 080: The first building after Viollet-le-Duc, a comparison made to the a snake's nest, together with it's builders and inhabitants described as reptile eaters

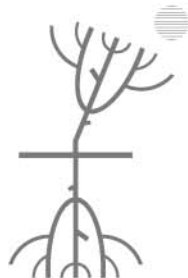
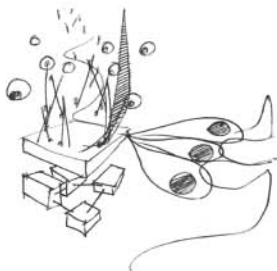
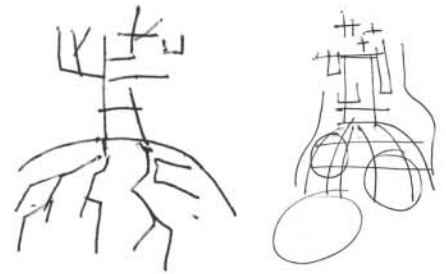
IMG 081: opposite: Handwork by Angus Taylor's studio featuring the realistic representation of a twig (nest) and the earth sculpting mix including grass as hatchwork or fine linework on the sculpture



VERTICAL DEVELOPMENT
TO CREATE A MORE
DYNAMIC SPATIAL
EXPERIENCE



TREE

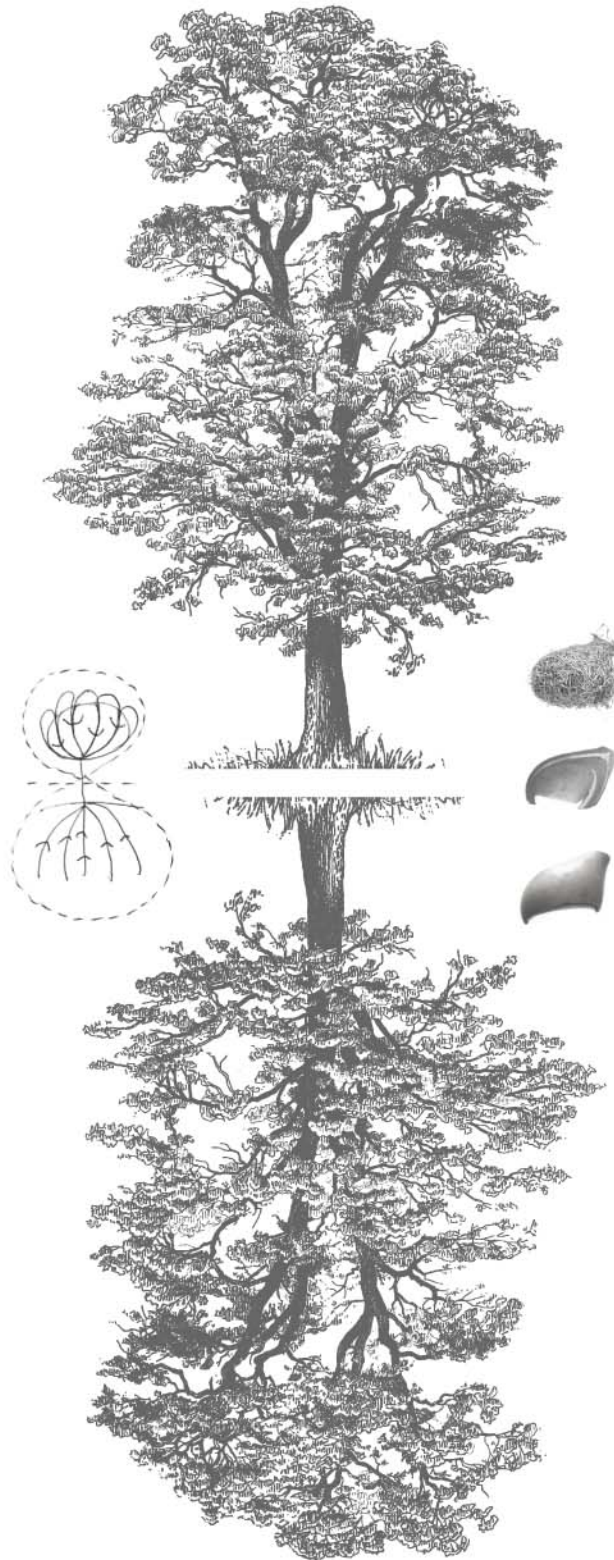


ROOT STRUCTURE AS
HUT WASHED OPEN ON
SURFACE



DIAGRAMMATIC
DEVELOPMENT OF
PATHWAYS ON A PLAN
VIEW IN RELATIONSHIP
TO THEORIES AND NZG
SITE

THE TREE AS HOME TO MAN AND ANIMAL



The Tree of Life is a metaphor that exists in the mythologies of many cultures who often see it as a source of life and an emblem of symbiosis (The Imagineers, 2007).

NEST - WEAVING



CALABASH



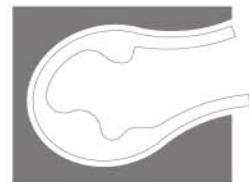
WOMB - EARLY SPACIALITY



POSSIBLE COMPOSITION



CAVE - BURROWING

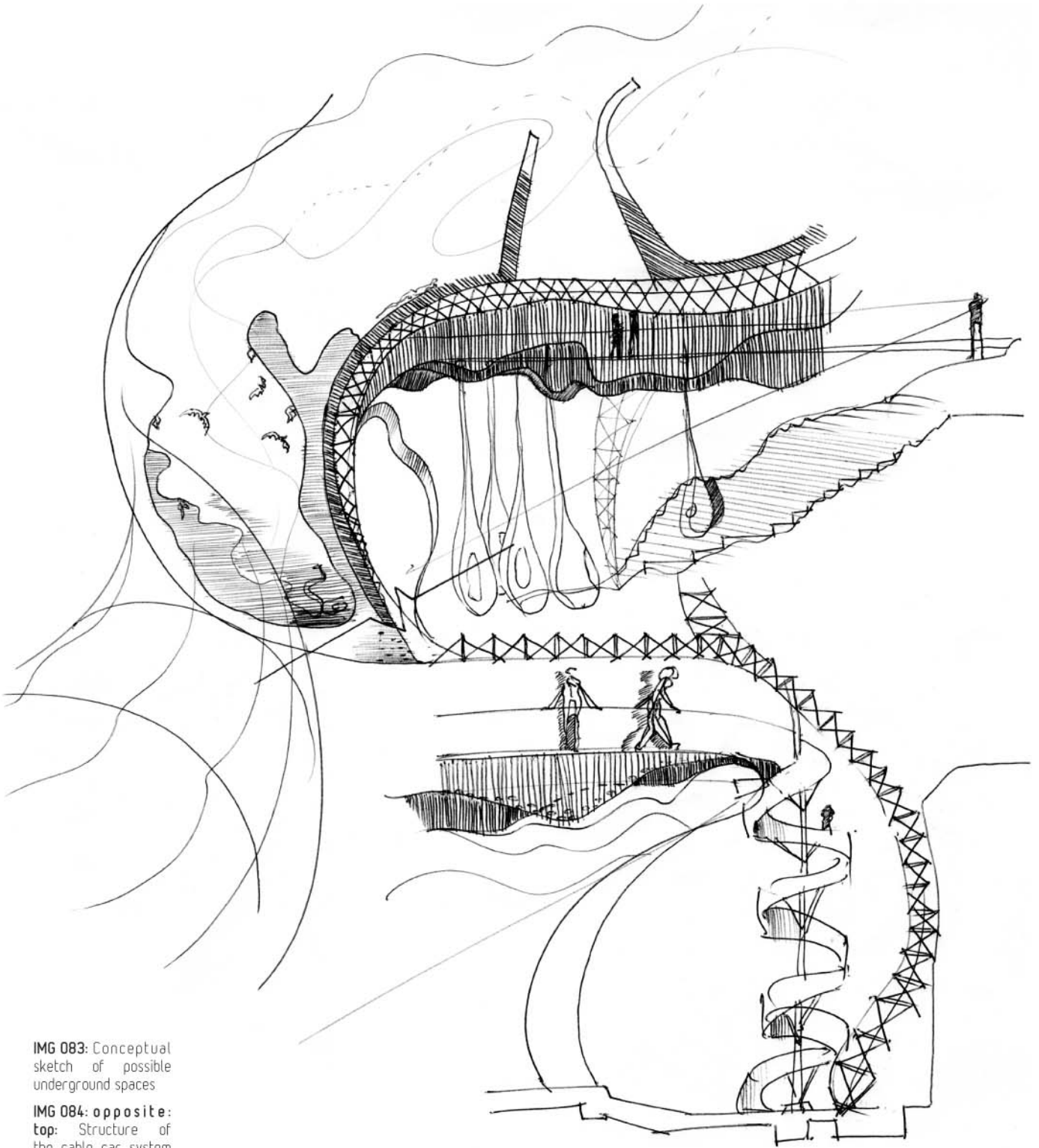


DIAGRAMMATIC
DEVELOPMENT OF
THE SECTION AS
A HIERARCHICAL
SYSTEM THAT
REPRESENTS THE
LAYERING OF ANIMAL
STRUCTURES AND
STRATIGRAPHY; THIS
FORMS THE BASIS
FOR THE LAYERING OF
TECTONICS

IMG 082: spread:
Development of
concepts on plan
and section through
diagrams indicating
the layering of
metaphor and the
hierarchical system of
natural structures

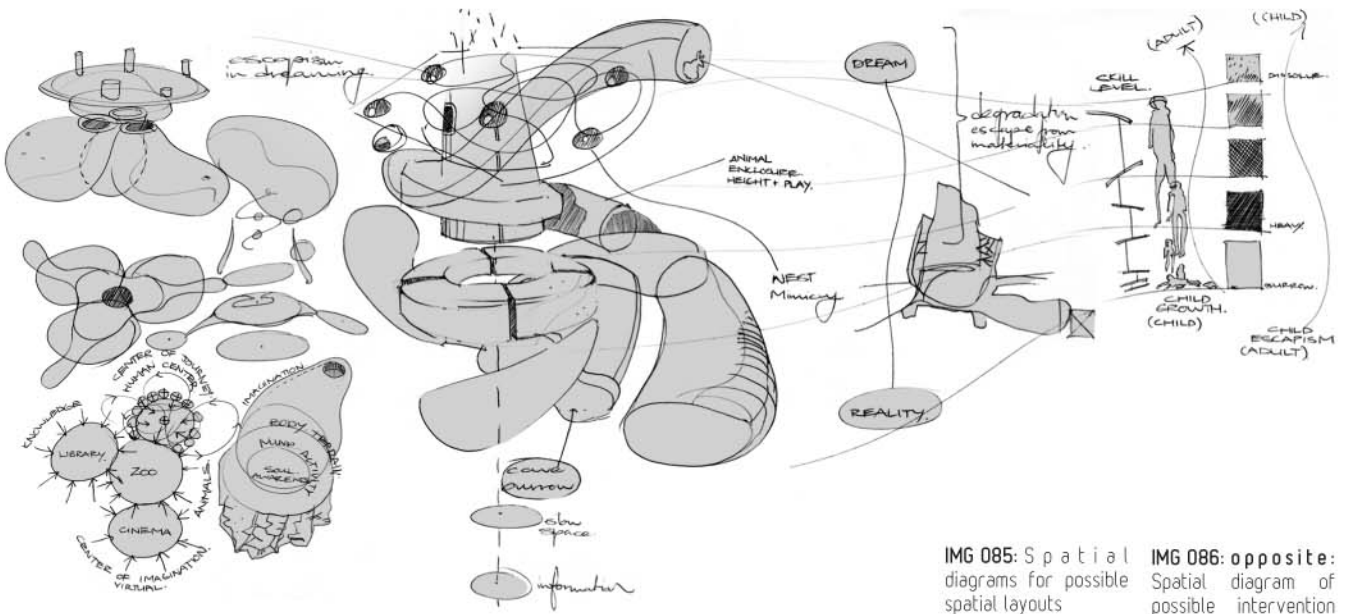
The composition of complex forms was based on the balance between ornamentation and the narrative effect thereof on the viewer. A multiple layered metaphor system forms the design vocabulary of form. Abstraction becomes the binding factor between the various conceptual forms. The reading of the form is made open for interpretation or exploration of the analogies within the form. The theory is guided by infants playful interpretations of form and the intuitive or naive approach to their utilisation of form, permitting that the form does not read or dictate a too literal interpretation.





IMG 083: Conceptual sketch of possible underground spaces

IMG 084: opposite:
top: Structure of the cable car system reaching through the tree canopy
bottom: Surrounding buildings and essential structures

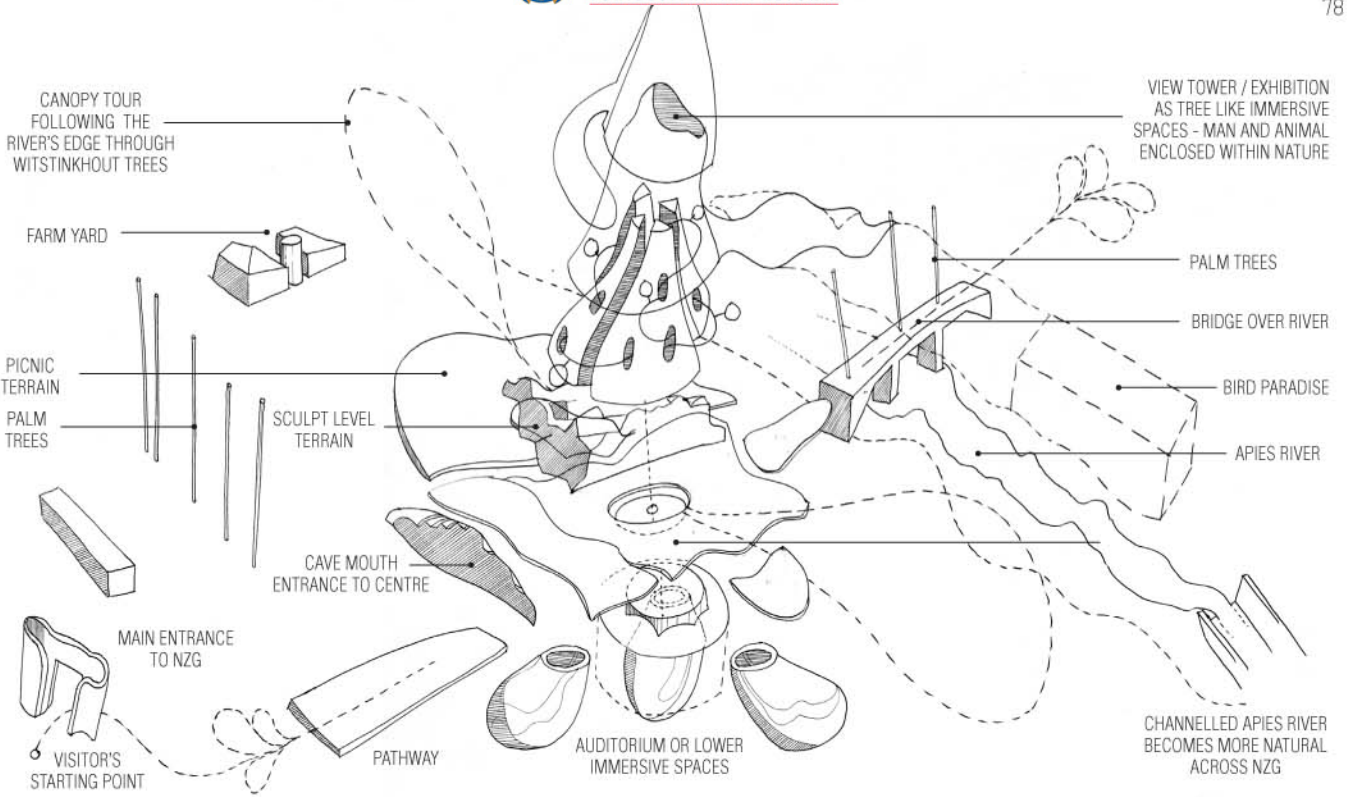


IMG 085: Spatial diagrams for possible spatial layouts

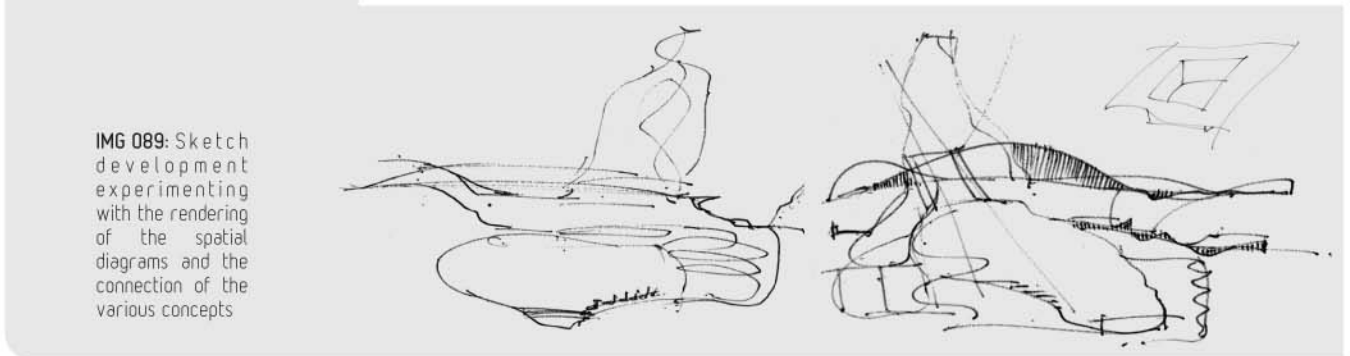
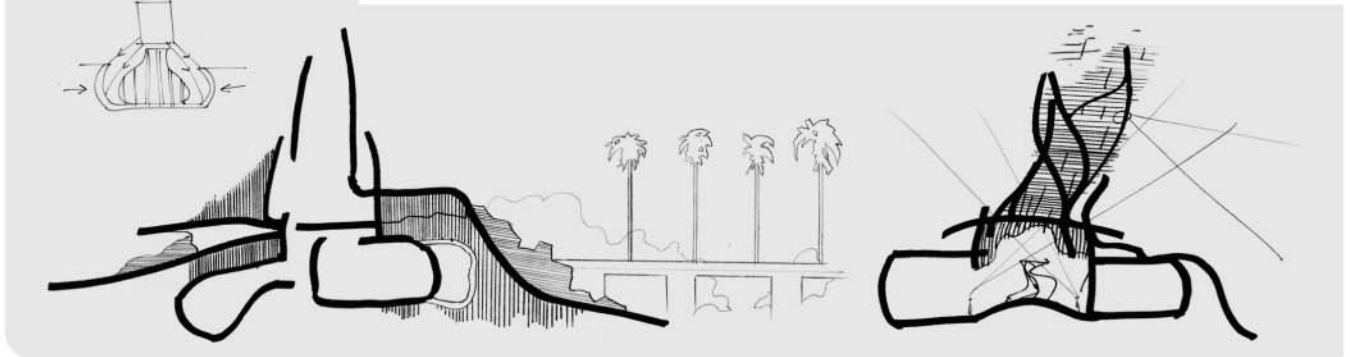
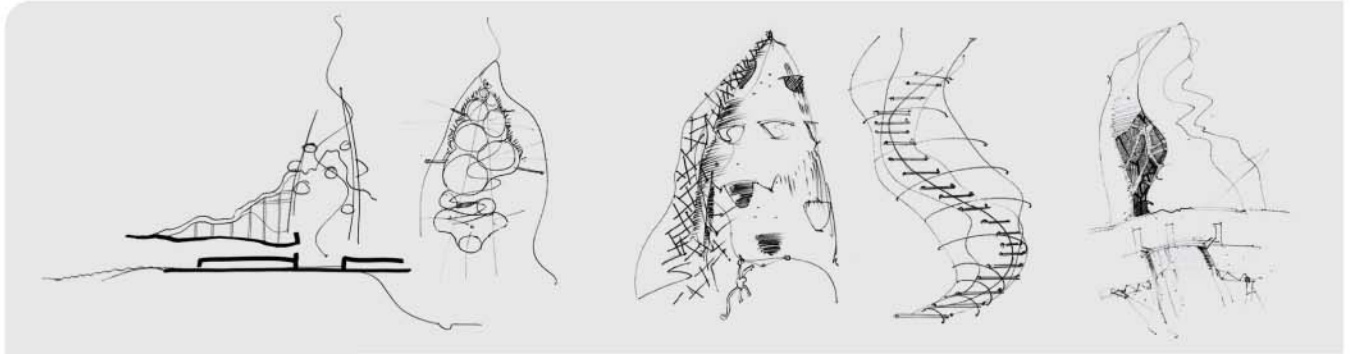
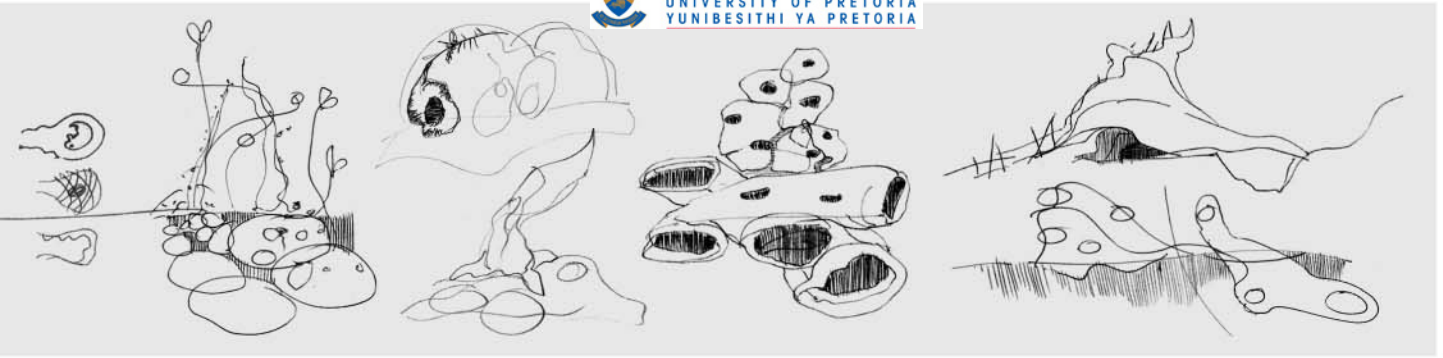
IMG 086: opposite: Spatial diagram of possible intervention on site



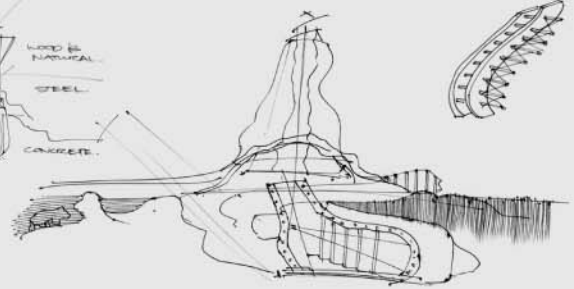
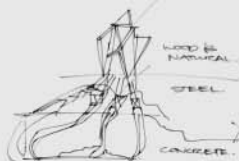
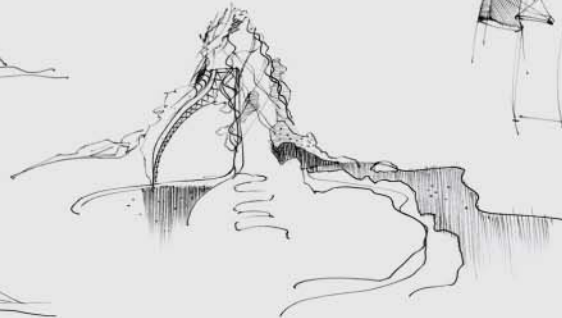
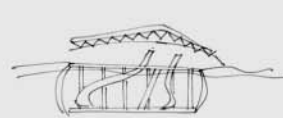
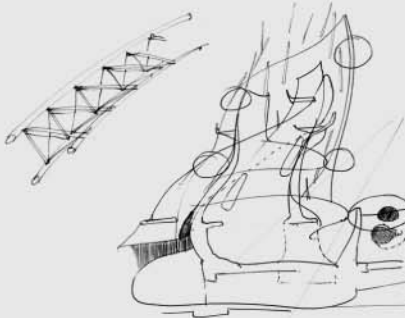
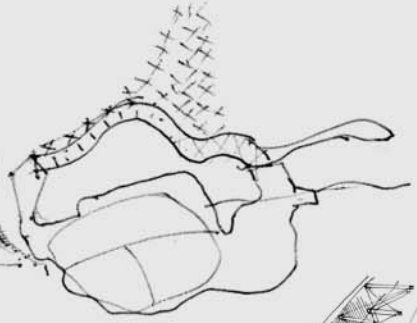
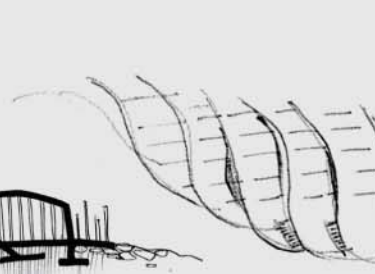
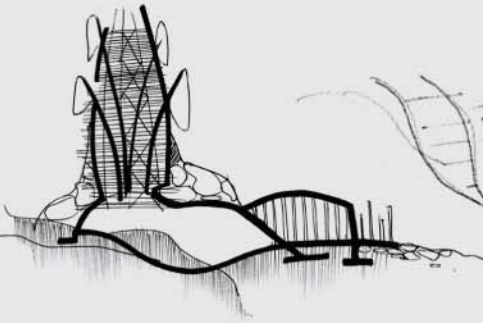
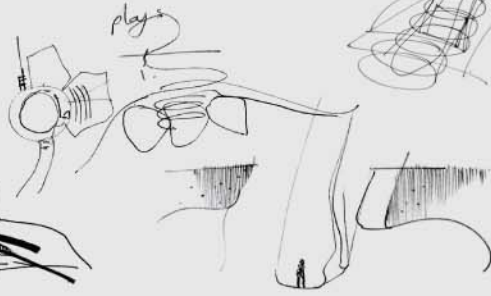
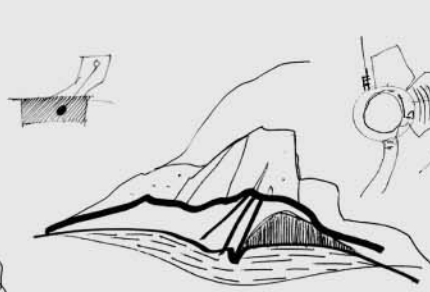
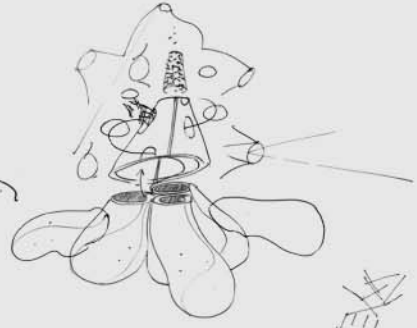
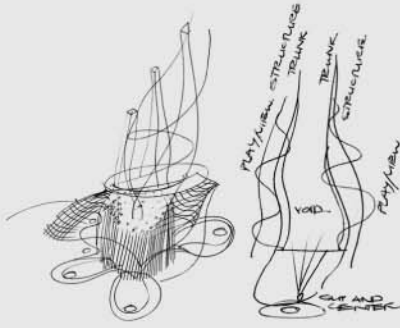
IMG 087: opposite: bottom: Fibreglass moulds at Angus Taylor's studio, Silverton



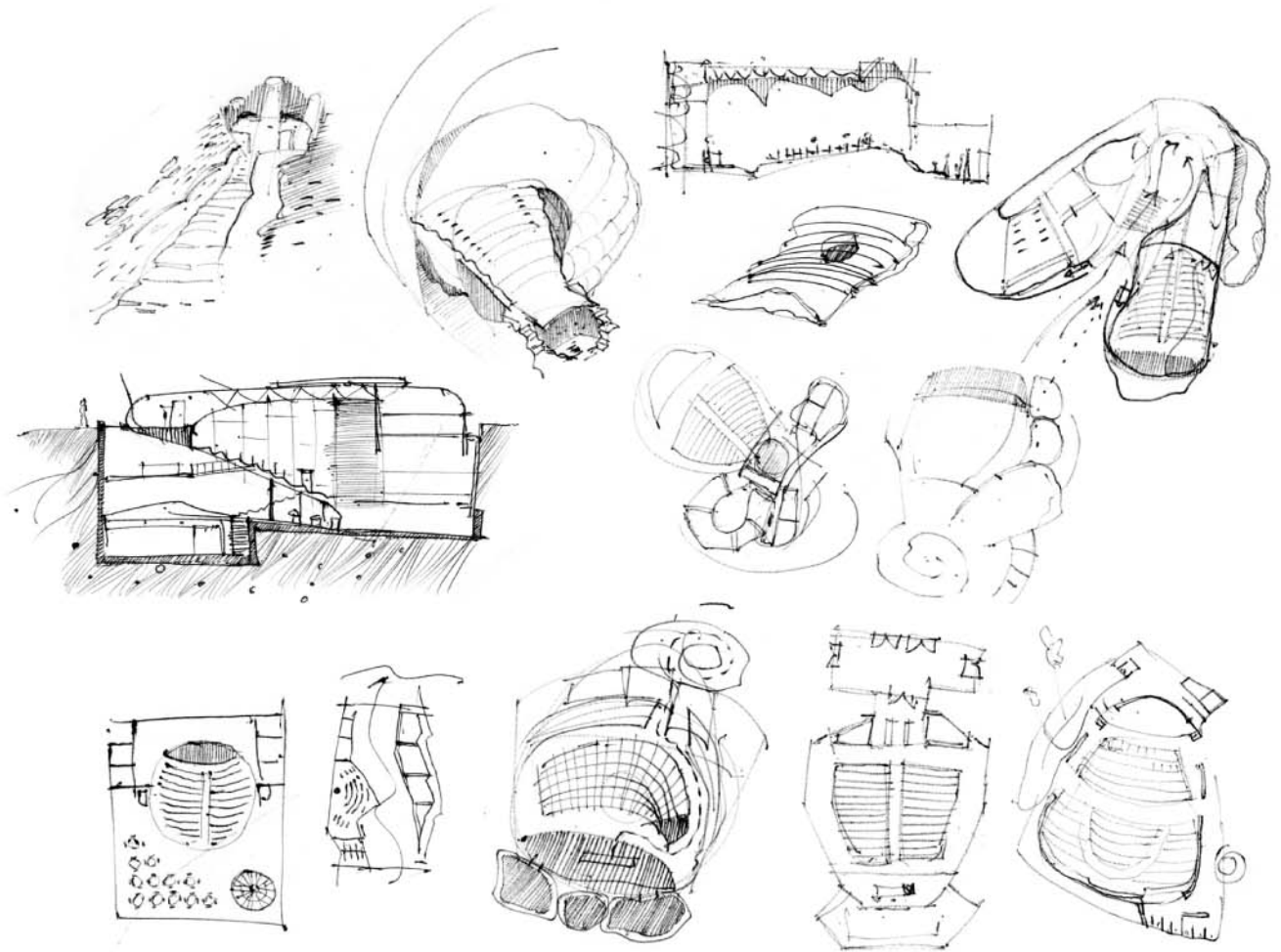
IMG 088: Wild grass spotted at Maropeng, Cradle of Humankind



IMG 089: Sketch development experimenting with the rendering of the spatial diagrams and the connection of the various concepts







IMG 090: a b o v e :
Sketch development
of possible auditorium
layouts

IMG 091: r i g h t :
Material contrast
between expanding
foam and calabash
used for the building
of conceptual physical
model exploring the
underground: Moulded
and sculpted

IMG 092: o p p o s i t e :
top: Calabashes from
craft market at NZG's
entrance

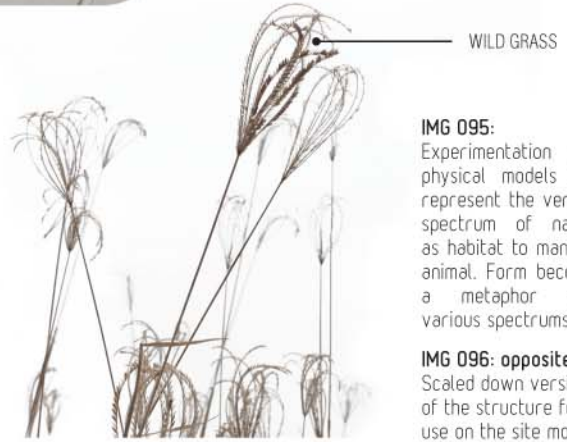
IMG 093: o p p o s i t e :
centre: Safari Nursery
main building's roof
structure

IMG 094: o p p o s i t e :
bottom: Safari
Nursery small primate
exhibition





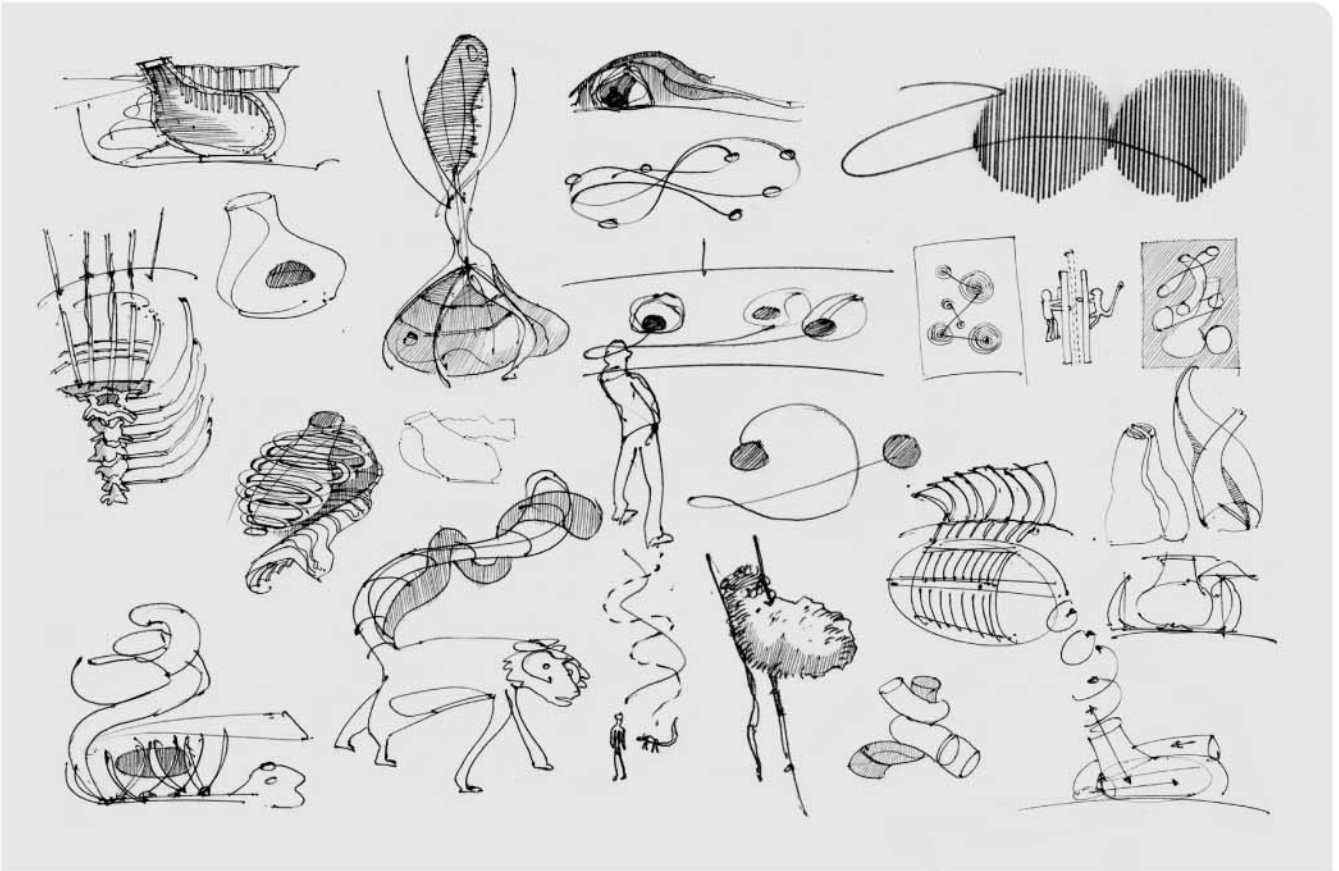
Our perception of the beauty of animals arises through a rational appreciation of the structure of their parts and the functions of their organs (Steadman, 1979: 10). Although it stands to reason that objects look like what it is, and vice versa, it is what it looks like; forms for identical or closely related functions will be geometrically similar, giving rise to the appearance of repeated instances of artifact 'types' (Steadman, 1979: 59-60). However these similarities could reach into a spectrum of greater unity, where function is overshadowed by the metaphor thereof – a language of form, beyond the dictates of function. The use of this multiple metaphor system provides abstracted layered meaning and opens the ornamented structure to various interpretations as part of the design language.



IMG 095:
Experimentation with physical models that represent the vertical spectrum of nature as habitat to man and animal. Form becomes a metaphor over various spectrums

IMG 096: opposite:
Scaled down version of the structure for use on the site model





IMG 097: Conceptual sketches developing further analogies

