

CHAPTER NINE

9.1 Conclusion

Pattern making in landscape architecture has evoked some negative responses from the landscape architecture profession, as is stated by M'Closkey. The critique focuses on the lack of space making within these patterned landscapes; as spacial qualities are lacking since it is designed on a single dimension. This can however be curbed by having process informing patterns as proposed on the Robinson Deep site; the critical processes for the working of the site, informed the pattern of movement, water purification and stormwater management.

Can landscape systems be expressed through pattern making?

The expression of landscape systems through pattern is not only possible but is a natural consequence to the forming of a system. The effect of dealing with water serves as the driving factor for the system and the variation is then translated in the detailing of different functions within the various water bodies. In other words, water systems will need a containing element like a pond structure but the pattern is derived by the functioning of these structures.

The project outcome is an expression of pattern generated from a combination of patterns influenced by existing and proposed processes for the site. The existing process is intended to form pattern over time. In a similar way the current state of the site was generated by processes over time. The species growing on the plain area and the spaces between the concrete blocks are interrupted by the movement on site

to form patterns.

How can picturesque ideals cater for a mining identity?

The principles of picturesque landscapes on site are based on the existing industrial nature of the site. Herrington identified the inherent quality industrial sites have and the similarity of these to the picturesque ideals, especially the ideal of emotive landscape. The remnant areas have qualities of vastness, mystery, multiple scale and the fact that the site is by nature a manufactured site: all of this contribute to these ideals of the picturesque.

Landscapes like the Louvre Lens that strive to merge the identity of mining with that of a museum with the use of pattern are exemplar in generating patterns on site but also having the existing processes form other patterns over time. The liquid form of wet concrete was extruded to form the 'liquid' nature of the walkways in the Louvre Lens project. On the Robinson site the robust nature of the existing mound was supported by the use of robust concrete to ground the user next to the mound.

The totality of the effect of the patterns on the site will only become clear with time as it is ever changing with seasons, users and climate.

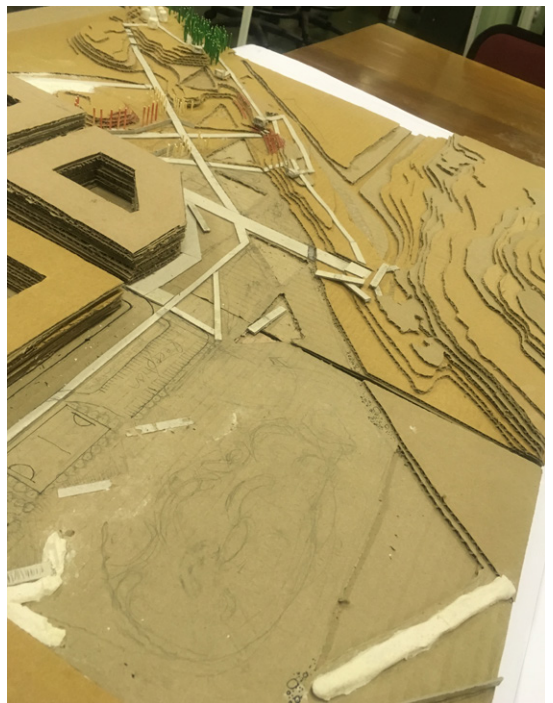


EXAM PRESENTATION

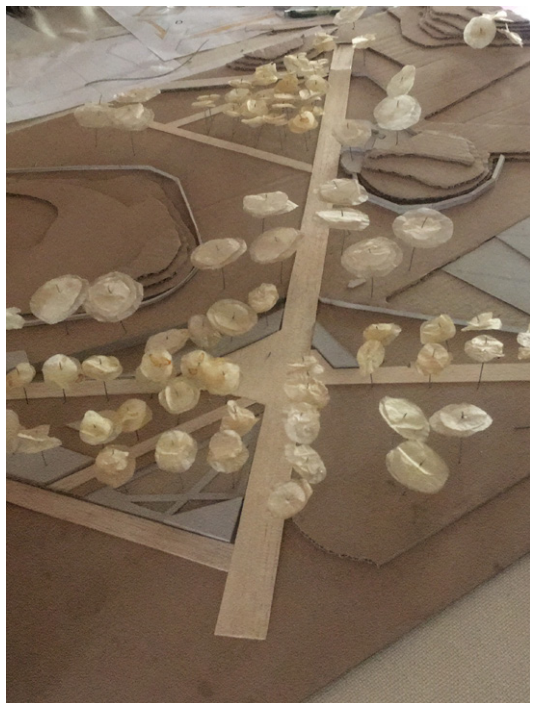
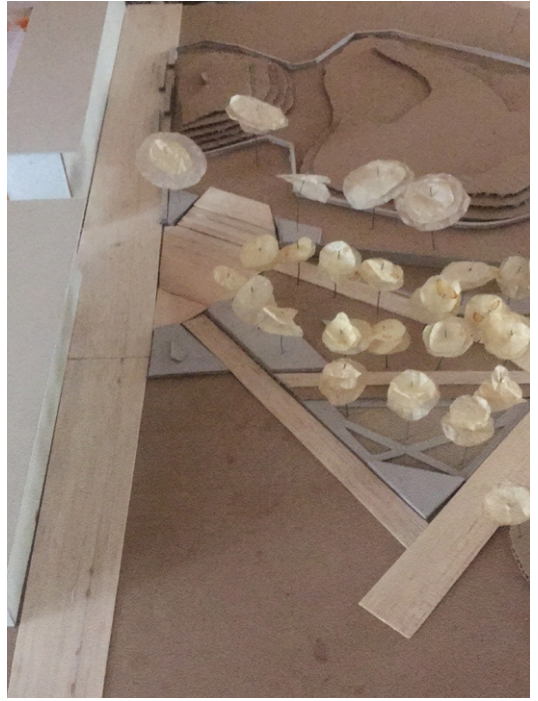
Pin up



Master plan model



Sketch plan model



LIST OF REFERENCES

- AggreBind, 2017. How to Stabilize Soil Roads. [Online]
Available at: <https://aggrebind.com/roads/how-to-stabilize-soil-roads/>
[Accessed 10 October 2017].
- AMD&ART, 2016. AMD&ART Project in Vintondale, Pennsylvania, Dr. T Allan Comp, acid mine drainage, AMD&ART reclamation site and treatment process. [Online]
Available at: <http://www.amdandart.info/>
[Accessed 15 August 2017].
- Andrew Mentis, 2017. Andrew Mentis. [Online]
Available at: <http://www.mentis.co.za/>
[Accessed 20 September 2017].
- Bell, S., 1999. Landscape Pattern, Perception and Process. New York: Routledge.
- Bowring, J., 2017. Melancholy and the Landscape: Locating Sadness, Memory and Reflection in the Landscape. London: Routledge.
- Calthorpe Associates, 1992. Transit-Oriented Development Design, California: Prepared for City San Diego.
- Catherine Chang, 2017. Catherine Chang Design Studio. [Online]
Available at: <http://www.catchangdesignstudio.com/>
[Accessed 20 July 2017].
- City of Johannesburg Metropolitan Municipality, 2016. Spatial Development Framework 2040, Johannesburg: s.n.
- City of Johannesburg: Johannesburg Development Agency, 2014. Turffontein Development Corridor Strategic Area Framework, Johannesburg: s.n.
- Deming, M. E., 2011. Landscape architecture research. Hoboken, NJ: Wiley.
- Francis, M., 2001. A Case Study Method For Landscape Architecture. Landscape Journal, 20(1), pp. 15-29.
- Google Earth, 2017. Google Earth. [Online]
Available at: <https://www.google.com/earth/>
[Accessed 20 June 2017].
- Herrington, S., 2006. The Picturesque Aesthetic of Contemporary Landscapes. Landscape Journal, 25(1), pp. 22-37.
- Invasive Species South Africa, 2017. Invasive Species South Africa. [Online]
Available at: <http://www.invasives.org.za/>
[Accessed 20 July 2017].
- Joffe, P., 2007. Skeppende Tuimaak met Inheemse Plante. 1st ed. Pretoria: Briza Publikasie.

Kaplan, A., 2009. Landscape architecture's commitment to landscape concept: a missing link?. *Journal of Landscape Architecture*, 6 February, 4(1), pp. 56-65.

Landezine, 2017. Museum Park Louvre Lens. [Online]
Available at: <http://www.landezine.com/index.php/2016/09/museum-park-louvre-lens-by-mosbach-paysagistes/>
[Accessed 5 September 2017].

Landezine, 2017. Trinity College Quadrangle by gh3 - Landscape Architecture Works. [Online]
Available at: <http://www.landezine.com/>

Larkin, J., 2017. Tales From The City Of Gold: Jason Larkin. [Online]
Available at: <http://jasonlarkin.co.uk/work/tales-from-the-city-of-gold-3/>
[Accessed 10 March 2017].

Liefferink, M., 2017. West Rand Mining sites [Interview] (30 June 2017).

Lynch K, H. G., 1984. *Site Planning*. 2 ed. Massachusetts: MIT Press.

McCarthy, T. S., Arnold, V., Venter, J. & Ellery, W. N., 2007. The collapse of the Johannesburg's Klip River wetland. *South African Journal of Science*, Sept/Oct, pp. 9-10.

McHarg, I. L., 1992. *Design with nature*. New York: J.Wiley.

M'Closkey, K., 2013. Synthetic patterns: Fabricating landscapes in the age of 'green'. *Journal of Landscape Architecture*, pp. 16-27.

Menarek Stamped Concrete, 2017. Menarek Stamped Concrete. [Online]
Available at: <http://www.menarekstampedconcrete.com/patterns.html>
[Accessed 25 September 2017].

Mucina, L. & Rutherford, M. C., 2010. *The Vegetation of South Africa, Lesotho and Swaziland*. 19 ed. Pretoria: South African National Biodiversity Institute.

Pataki, D. E. et al., 2011. Coupling biochemical cycles in urban environments: ecosystems services, green solutions and misconceptions. *Frontiers in Ecology and the Environment*, 1 February, pp. 27-36.

Pinterest, 2017. Patio. [Online]
Available at: <https://za.pinterest.com/pin/416583034272961539/>
[Accessed 20 10 2017].

Pinterest, 2017. Wetland. [Online]
Available at: <https://za.pinterest.com/pin/778559854302318060/>
[Accessed 31 10 2017].

Ryerson Department of Architectural Sciences, 2014. *Designed Ecologies* by Dr. Kongjian Yu. [Online]
Available at: https://www.youtube.com/watch?v=8jXJiqms_D4&t=2s
[Accessed 20 April 2017].

Salingaros, N. A., 2003. Connecting the Fractal City, San Antonio: Department of Mathematics, University of Texas.

Santiago, Z. V., 2015. A collection of stories: Euralens Centralite and the Louvre-Lens Museum Park. *Journal of Landscape Architecture*, 10(2), pp. 44-57.

South African Bureau of Standards, 2011. South African National Standard 10400, Pretoria: South African Bureau of Standards.

South African Council for Landscape Architects, 2011. Identification of work, Johannesburg: South African Council for the Landscape Architectural Profession.

Square One, 2015. Square One Landscape Architects. [Online]
Available at: <http://sq1.co.za/portfolio/the-towers-merriman-square/>
[Accessed 22 September 2017].

Swart, E., 2003. The South African legislative framework for mine closure. *The South African institute of mining and metallurgy*, 103(8), pp. 489-492.

Thurman, C., 2010. Brand South Africa. [Online]
Available at: <https://www.brandsouthafrica.com/tourism-south-africa/melrose-211210>
[Accessed 5 March 2017].

Turescape, 2017. Turescape Landscape Architects. [Online]
Available at: <https://www.turescape.com/en/project/detail/435.html>

U.S Environmental Protection Agency, 1994. Technical Report: Treatment of Cyanide Heap Leaches and Tailings, Washington: U.S Environmental Protection Agency.

VdW & Co, 2017. Institute for Landscape Architecture in South Africa. [Online]
Available at: <http://www.ilasa.co.za/>
[Accessed 25 March 2017].

Vermeulen, N. J., 2001. The Composition and State of Gold Tailings, Pretoria: University of Pretoria.

Walker, S., 2015. Tailings management strategies to meet today's demands. *E & MJ engineering and Mining Journal*, 05 November, pp. 1-10.

Wegelin, H., 2009. Construction Primer for South Africa. 1st ed. Pretoria: Visual books.

Woolshed Thugoona, 2017. Woolshed Thugoona Landscape Group. [Online]
Available at: <http://wtlandcare.org/wp-content/uploads/2016/01/eucalyptus-blakelyi-flora-ala-source.jpg>
[Accessed 15 November 2017].

